**KALLIOTEKNIIKKA**
**CONSULTING ENGINEERS OY**
*KIINTEISTÖKATSELMUKSET *RÄJÄYTYSKONSULTOINTI *TÄRINÄMITTAUKSET *RADONMITTAUKSET *ÄÄNITASOMITTAUKSET

Työnro: 470

24.5.2016 / 2.6.2016

# LIIKENNETÄRINÄMITTAUS

Lempäälä, Ehtookoto-Pappila

arviointi tärinän siirtymisestä maasta tuleviin perustuksiin

KALLIOTEKNIIKKA
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## Sisällys

# 1. YLEISTÄ

Kalliotekniikka Consulting Engineers Oy suoritti junaliikennetärinämittausta Lempäälässä, Ehtookoto-Pappila välillä sijaitsevalla alueella. Työ suoritettiin Destian toimeksiannosta.

Mittauksia suoritettiin yhteensä kahdeksasta mittauspisteestä, jotka oli sijoitettuna Hollonrannan itäpuolelle. Mittaukset suoritettiin aikavälillä 9.-17.5.2016.

# 2. MITTAUKSEN SUORITUS

Mittausanturit asennettiin neljään mittalinjaan pareittain. Mittalinjojen ensimmäiset mittarit (MP1, MP3, MP5 ja MP7) sijaitsivat lähellä rataa ja toimivat ns. herättäjinä muille mittareille (MP2, MP4, MP6 ja MP8). Mittareiden sijainnit on esitetty liitteenä 1 olevassa kartassa.

Rataa lähinnä olevat mittarit (MP1, MP3, MP5 ja MP7) sijaitsivat noin 5 metriä lähimmästä raiteesta ja kauimmaiset mittarit (MP2, MP4, MP6 ja MP8) noin 25–30 metrin etäisyydellä lähimmästä raiteesta. Rataa lähinnä olevat mittarit toimivat ainoastaan herätteinä kauimmaisille mittareille, jotka kuvaavat suurinta mahdollista tärinää joka maaperään voi välittyä heti Hollonrannan länsipuolelle kaavoitetulle alueelle. Näin ollen rataa lähimpien mittapisteiden tuloksia ei ole analysoitu sen tarkemmin.

Mittaukset tehtiin miehittämättömänä mittauksena ja mittarit oli kytketty BlastView -kaukovalvonta järjestelmään. Mittaustulosten long-komponenttia vastaava x-komponentti oli rataan nähden kohtisuorassa. Tuloksien tran-komponenttia vastaava y-komponentti oli radan suuntainen. Tulosten vert-komponenttia vastaava z-komponentti oli pystykomponenttina.

# 3. MITTAUSTULOSTEN KÄSITTELY

Suomessa ei ole virallisia raja-arvoja liikennetärinän suuruudelle. Tässä raportissa mittaustulokset käsiteltiin pääosin VTT:n julkaiseman ”Suositus liikennetärinän mittaamisesta ja luokituksesta” – mukaisesti. Tämä tarkoittaa, että mittaukset tehdään kolmikomponenttisesti ja värähtelyn tunnusluvun määritykseen käytetään jokaisesta komponentista 15 merkittävintä tulosta. Merkittävillä tuloksilla tarkoitetaan tuloksia, jotka tiedetään saadun käyrän tai jonkin muun seikan perusteella varmuudella johtuvan mitattavasta kulkuneuvosta eikä mittauskohdetta lähellä esiintyvästä muusta tärinästä.

Mittaustuloksista määritetään suurimmat värähtelyn taajuuspainotetut (f= 5,6Hz) yhden sekunnin tehollisarvot ja niistä lasketaan suosituksen mukainen tunnusluku $v_{W,95}$ kuvaamaan tärinän voimakkuutta. Tunnusluvun määrityksessä edellytetään yleensä 7 vuorokauden mittausaikaa.

Tulokset käsiteltiin VTT:n ”Suositus liikennetärinän mittaamisesta ja luokituksesta (VTT 2004)” – mukaisesti, jossa käytetään taajuuspainotettua tehollisarvoa $v_{W,95}$. Tämän lisäksi raporttiin on merkitty heilahdusnopeuden komponentin huippuarvot, huippuarvojen tunnusluvut sekä vallitsevien taajuuksien keskiarvot (viidentoista merkitsevän taajuuden keskiarvo, taajuus heilahdusnopeuden huippuarvosta).

Oheisessa taulukossa on laskettu RMS keskiarvot, maaperän tunnusluvut, maa-perustuskertoimet sekä perustus tunnusluvut.

**Taulukko 1:** RMS keskiarvot, maaperän tunnusluvut, maa-perustuskertoimet sekä perustus tunnusluvut.

| | | **Mittalinja 1** | | **Mittalinja 2** | | **Mittalinja 3** | | **Mittalinja 4** | |
|---|---|---|---|---|---|---|---|---|---|
| | | **MP1** *BE16269* | **MP2** *BE7911* | **MP3** *BE7446* | **MP4** *BE15709* | **MP5** *BE9808* | **MP6** *BE11630* | **MP7** *BE11026* | **MP8** *BE8544* |
| **TRAN** | Taajuspainotettu RMS keskiarvo | **0,804** | **0,030** | **0,733** | **0,029** | **1,142** | **0,035** | **0,758** | **0,027** |
| | Taajuspainotettu RMS keskihaj. | 0,382 | 0,014 | 0,061 | 0,008 | 0,390 | 0,019 | 0,228 | 0,015 |
| | Maaperä tunnusluku | **1,491** | **0,055** | **0,844** | **0,044** | **1,844** | **0,069** | **1,168** | **0,054** |
| | Maa-perustus kerroin | 1,497 | 0,937 | 1,266 | 2,812 | 1,355 | 1,605 | 1,116 | 1,286 |
| | Perustus tunnusluku | **2,232** | **0,051** | **1,069** | **0,123** | **2,498** | **0,111** | **1,304** | **0,069** |
| **VERT** | Taajuspainotettu RMS keskiarvo | **0,660** | **0,023** | **0,335** | **0,019** | **0,560** | **0,067** | **0,702** | **0,038** |
| | Taajuspainotettu RMS keskihaj. | 0,328 | 0,010 | 0,161 | 0,005 | 0,211 | 0,019 | 0,400 | 0,012 |
| | Maaperä tunnusluku | **1,251** | **0,041** | **0,624** | **0,028** | **0,940** | **0,100** | **1,423** | **0,059** |
| | Maa-perustus kerroin | 1,161 | 0,697 | 1,039 | 1,483 | 1,364 | 2,188 | 1,032 | 1,175 |
| | Perustus tunnusluku | **1,453** | **0,028** | **0,649** | **0,041** | **1,282** | **0,220** | **1,469** | **0,070** |
| **LONG** | Taajuspainotettu RMS keskiarvo | **0,826** | **0,038** | **0,257** | **0,034** | **0,228** | **0,063** | **0,641** | **0,039** |
| | Taajuspainotettu RMS keskihaj. | 0,329 | 0,018 | 0,462 | 0,006 | 0,295 | 0,025 | 0,204 | 0,019 |
| | Maaperä tunnusluku | **1,418** | **0,070** | **1,089** | **0,045** | **0,759** | **0,109** | **1,008** | **0,074** |
| | Maa-perustus kerroin | 1,384 | 0,951 | 1,187 | 2,595 | 1,572 | 2,169 | 1,195 | 1,376 |
| | Perustus tunnusluku | **1,963** | **0,067** | **1,293** | **0,118** | **1,193** | **0,235** | **1,205** | **0,102** |

# 4. JOHTOPÄÄTÖKSET

VTT Taulukon 2 ”Suositus liikennetärinän mittaamisesta ja luokituksesta” mukaisesti kaikkien kauimmaisten mittapisteiden 2,4, 6 ja 8 värähtelyluokka on A. Mittausten perusteella voidaan todeta, että Ehtookoto-Pappila välillä tarkasteltu alue kuuluu värähtelyluokkaan A.

*Värähtelyluokka A: Hyvät asuinolosuhteet, ihmiset eivät yleensä havaitse värähtelyjä (**$v_{W,95} < 0,1$ mm/s**)*

**Taulukko 2.** ”Suositus liikennetärinän mittaamisesta ja luokituksesta”, VTT

| Värähtely-luokka | Kuvaus värähtelyolosuhteista | Taajuuspainotettu tehollisarvo $v_{W,95}$ (mm/s) |
|---|---|---|
| A | **Hyvät asuinolosuhteet** *Ihmiset eivät yleensä havaitse värähtelyjä* | ≤ 0,10 |
| B | **Suhteellisen hyvät asuinolosuhteet** *Ihmiset voivat havaita värähtelyjä, mutta ne eivät ole häiritseviä* | ≤ 0,15 |
| C | **Suositus uusien rakennusten ja väylien suunnittelussa** *Keskimäärin 15% asukkaista pitää värähtelyä häiritsevänä* | ≤ 0,30 |
| D | **Olosuhteet, joihin pyritään vanhoilla asuinalueilla.** *Keskimäärin 25% asukkaista pitää värähtelyä häiritsevänä ja voi valittaa häiriöstä* | ≤ 0,60 |

Mittaustuloksia analysoimalla voidaan todeta, että mikäli liitteessä 3 esitetyn alustavan asemakaavaluonnoksen mukaiselle AK-alueelle rakennetaan, vaurioitumisriski VTT taulukon 3 ”Suositus rakennusten vaurioitumisen kannalta” mukaisesti olisi alueella E.

*Haitat epätodennäköisiä, tärinä voidaan havaita, mutta vaurioriski on merkityksetön*

**Taulukko 3**. ”Suositus rakennusten vaurioitumisen kannalta” (VTT 2004)

| Alue | Alueen kuvaus | Heilahdusnopeuden resultantin huippuarvo rakennuksen perustassa $v_{res}$ (mm/s) |
|---|---|---|
| V | **Vauriot ovat mahdollisia**<br>*Kohonneen tärinäalttiuden alue* | > 3,0 |
| H | **Haitat ovat mahdollisia, vauriot epätodennäköisiä**<br>*Vähäisen tärinäalttiuden alue* | 1,0 … 3,0 |
| E | **Haitat epätodennäköisiä**<br>*Tärinä voidaan havaita, mutta vaurioriski on merkityksetön* | < 1,0 |

Junaliikennemäärien (ks. liite 2) lisääntyminen ei vaikuta edellä mainittuihin johtopäätöksiin, mikäli akselipainot pysyvät samanlaisena.

Helsingissä 24.5.2016 / 2.6.2016

KALLIOTEKNIIKKA CONSULTING ENGINEERS OY

Juha Skogman / Ville Mäkelä

## 5. LIITTEET

1. Kartta mittapisteistä
2. Junaliikennemäärät nyt ja tulevaisuudessa
3. Kaavoitetut rakennukset
4. Mittaustulokset, taajuuskaista-analyysit ja mittausraportit 15 merkittävästä tuloksesta

**KALLIOTEKNIIKKA**
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Liite 1: Kartta mittapisteistä, Ehtookoto - Pappila

liite 2 **Junatiedot, Lempäälä** 13.5.2016 VR Track Oy

## NYKYTILANNE

| Tyyppi | Selitys | Päivä klo. 7-22 [kpl] | Yö klo. 22-7 [kpl] | Pituus [m] | Suositeltu nopeus/ nopeusrajoitus [km/h] | Todellinen nopeus [km/h] |
|---|---|---|---|---|---|---|
| Sr | Sr1- tai Sr2-veturin vetämät henkilöliikenteen junat (punaiset, siniset tai yksikerroksiset IC-vaunut) | 1 | 4 | 340 | 140 | 140 |
| Pen | Pendolino (Sm3) | 15 | 2 | 200 | 200 | 200 |
| IC2 | kaksikerroksisista IC- | 45 | 9 | 166 | 160 | 160 |
| Sm4 | Sm4 sähkömoottorijunat | 12 | 2 | 54 | 160 | 160 |
| F-TaJu | suomalaisista tavaravaunuista koostuvat tavarajunat | 16 | 16 | 400 | 100 | 80 |
| R-TaJu | venäläisistä tavaravaunuista koostuvat tavarajunat | - | - | | | |

Lähteet:
Liikennevirasto, Pirkanmaan rataverkon kehittämisen liikenteellinen tarveselvitys (2013)

## ENNUSTETILANNE 2040

| Tyyppi | Selitys | Päivä klo. 7-22 [kpl] | Yö klo. 22-7 [kpl] | Pituus | Suositeltu nopeus/ | Todellinen |
|---|---|---|---|---|---|---|
| Sr | Sr1- tai Sr2-veturin vetämät henkilöliikenteen junat (punaiset, siniset tai yksikerroksiset IC-vaunut) | 1 | 5 | 340 | 140 | 140 |
| Pen | Pendolino (Sm3) | 16 | 3 | 200 | 200 | 200 |
| IC2 | Sr2-veturin vetämät kaksikerroksisista IC-vaunuista koostuvat junat | 48 | 10 | 166 | 160 | 160 |
| Sm4 | Sm4 sähkömoottorijunat | 14 | 2 | 54 | 160 | 160 |
| F-TaJu | suomalaisista tavaravaunuista koostuvat tavarajunat | 19 | 20 | 400 | 100 | 80 |
| R-TaJu | venäläisistä tavaravaunuista koostuvat tavarajunat | - | - | | | |

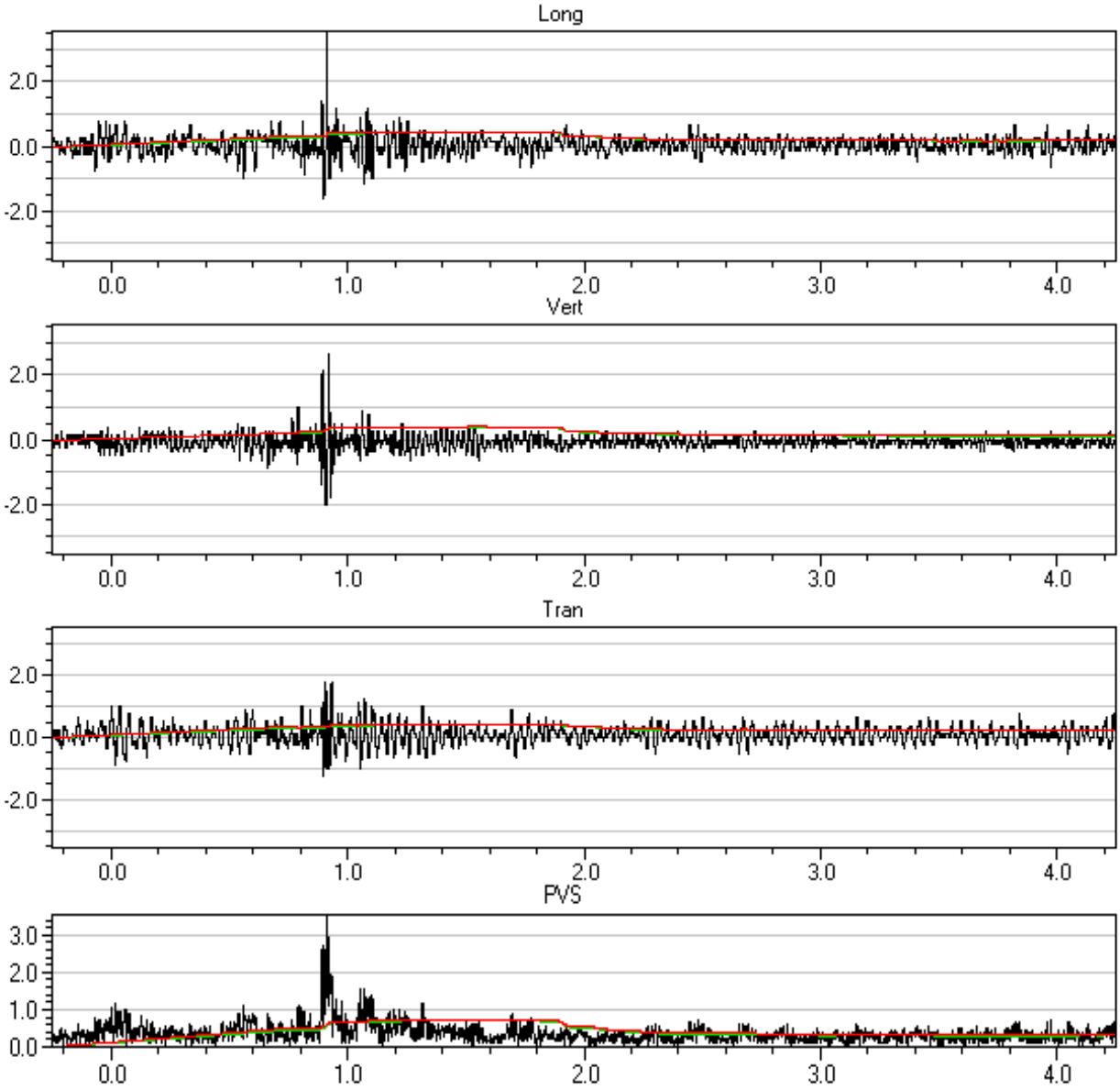
liite 3


418-425-17-184
418-425-17-183
418-425-6-225
418-425-17-158
418-425-20-0
418-425-6-266
418-425-17-13
418-425-6-265
418-425-6-45
418-425-6-12
418-425-6-12
418-425-6-12
418-444-4-129
418-444-19-9
418-444-1-83
418-444-19-10
418-444-1-40
418-444-1-79
418-444-4-131
418-444-3-120
418-444-3-18
418-444-1-79
AK
LR
P
VL
EV
VP
LPA
YS
418-444-1-84
AO
418-444-1-85
YS
VL
EV
AK-23
418-444-19-8
AK-23
AR
LPA
EV
LPA
418-444-19-7
418-444-3-18
418-444-3-22
418-444-3-20
418-444-3-17
418-444-3-5
418-444-3-23
418-444-3-19
418-444-3-107
418-444-3-121

**BlastView RMS report. Generated: 19.5.2016 10:33:09** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 00:12:19 | *File Name:* | R269GD3F.8J0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.78 | 2.67 | 3.56 | 3.66 | mm/s |
| *Freq* | 51 | 64 | 57 | | Hz |
| *Time of Peak* | 0.905 | 0.920 | 0.911 | 0.911 | Sec |
| *Peak Acceleration* | 0.0928 | 0.106 | 0.133 | | g |
| *Peak Displacement* | 0.00645 | 0.00620 | 0.00862 | | mm |
| *RMS (1s fw 5.6)* | **0,42** | **0,39** | **0,44** | **0,72** | mm/s |
| *RMS (1s)* | **0,44** | **0,40** | **0,45** | **0,74** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:09** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 00:12:19 | *File Name:* | R269GD3F.8J0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.78 | 2.67 | 3.56 | 3.66 | mm/s |
| *Freq* | 51 | 64 | 57 | | Hz |
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| *Peak Displacement* | 0.00645 | 0.00620 | 0.00862 | | mm |
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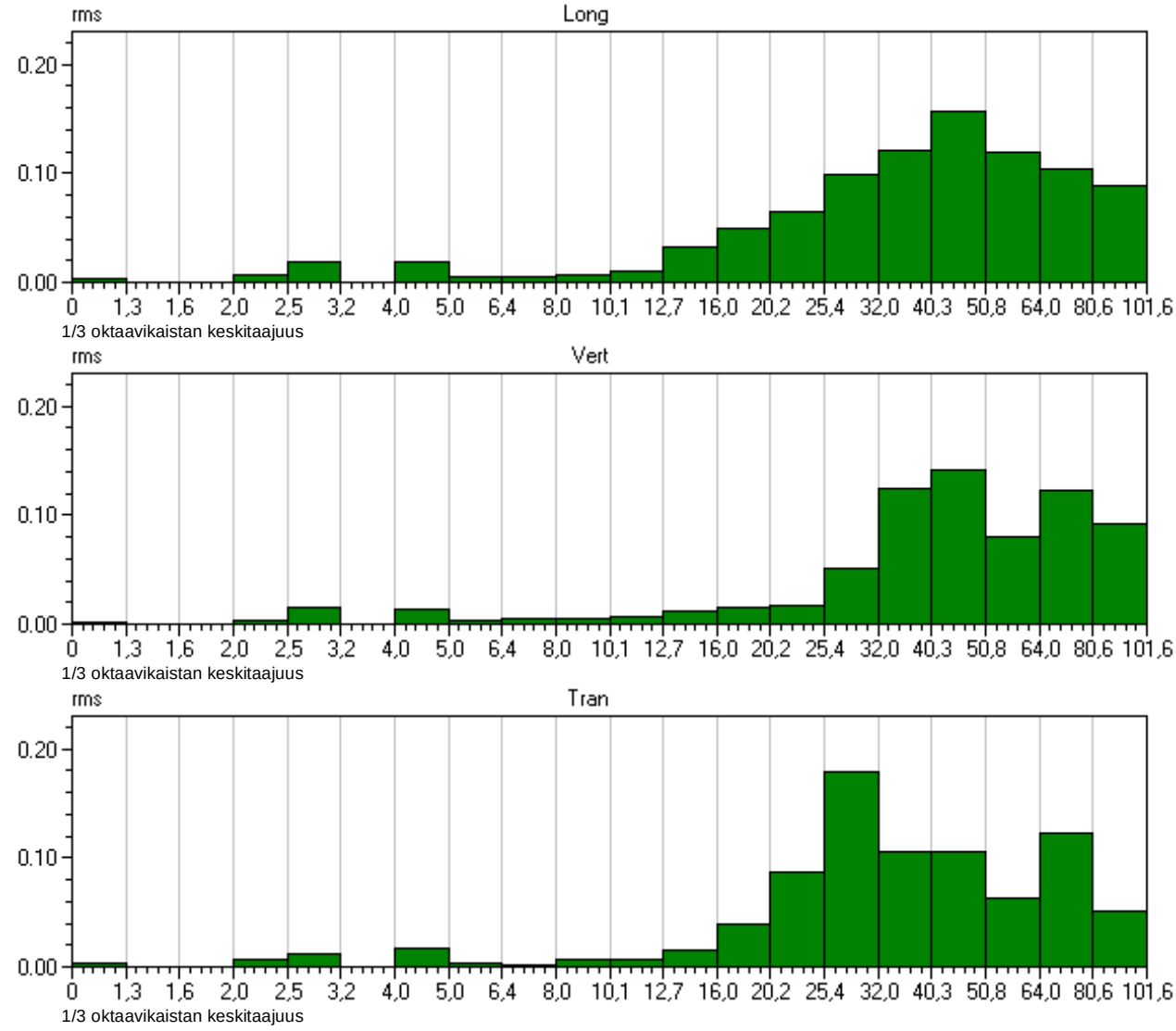
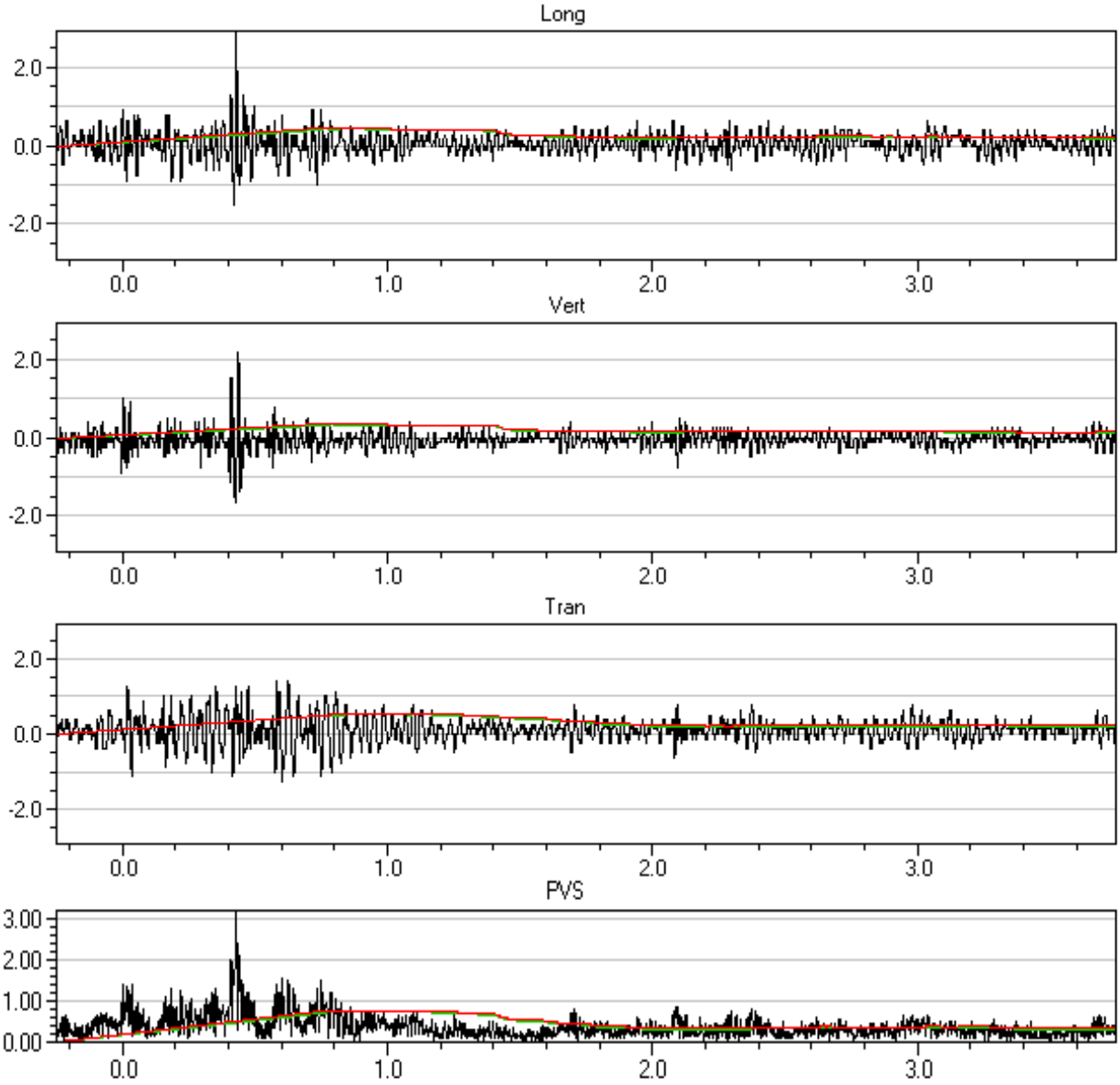
| *RMS (1s)* | **0,44** | **0,40** | **0,45** | **0,74** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:33:14** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 01:56:36 | *File Name:* | R269GD3K.2C0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 3.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

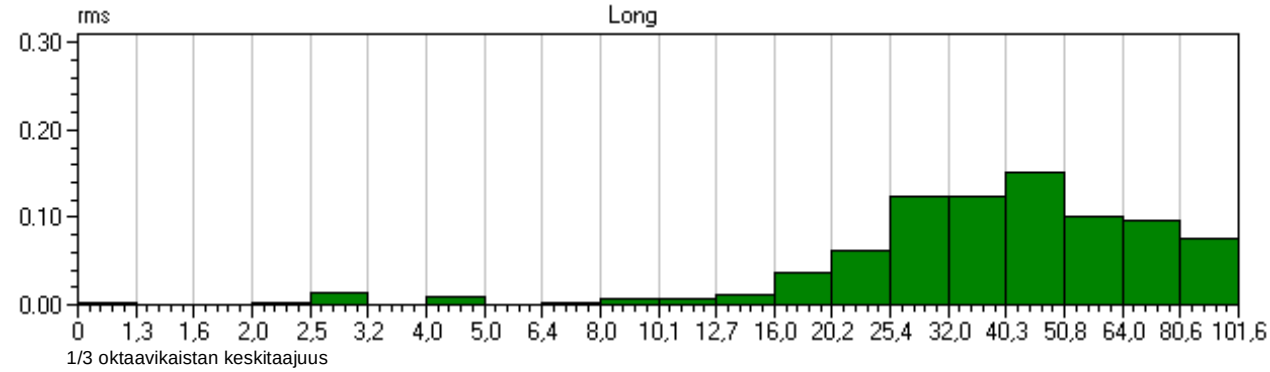
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.40 | 2.16 | 2.92 | 3.34 | mm/s |
| *Freq* | 28 | 57 | 57 | | Hz |
| *Time of Peak* | 0.582 | 0.436 | 0.427 | 0.427 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0795 | 0.119 | | g |
| *Peak Displacement* | 0.00881 | 0.00558 | 0.00707 | | mm |
| *RMS (1s fw 5.6)* | **0,52** | **0,33** | **0,42** | **0,74** | mm/s |
| *RMS (1s)* | **0,54** | **0,34** | **0,43** | **0,77** | mm/s |

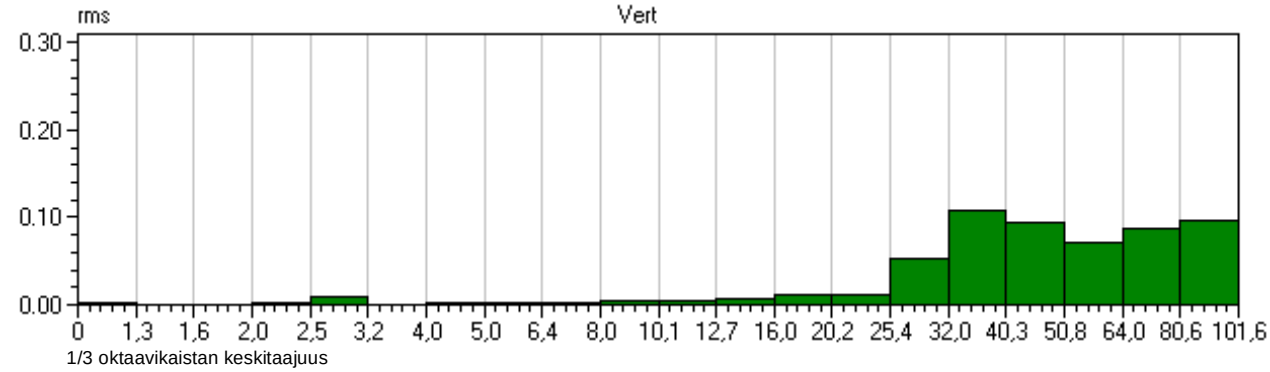


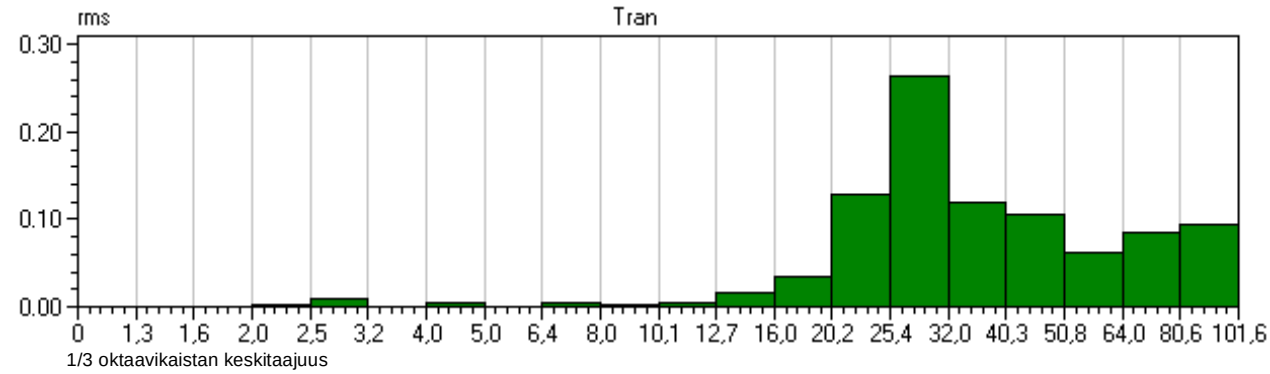
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:14** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 01:56:36 | *File Name:* | R269GD3K.2C0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 3.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.40 | 2.16 | 2.92 | 3.34 | mm/s |
| *Freq* | 28 | 57 | 57 | | Hz |
| *Time of Peak* | 0.582 | 0.436 | 0.427 | 0.427 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0795 | 0.119 | | g |
| *Peak Displacement* | 0.00881 | 0.00558 | 0.00707 | | mm |
| *RMS (1s fw 5.6)* | **0,52** | **0,33** | **0,42** | **0,74** | mm/s |
| *RMS (1s)* | **0,54** | **0,34** | **0,43** | **0,77** | mm/s |



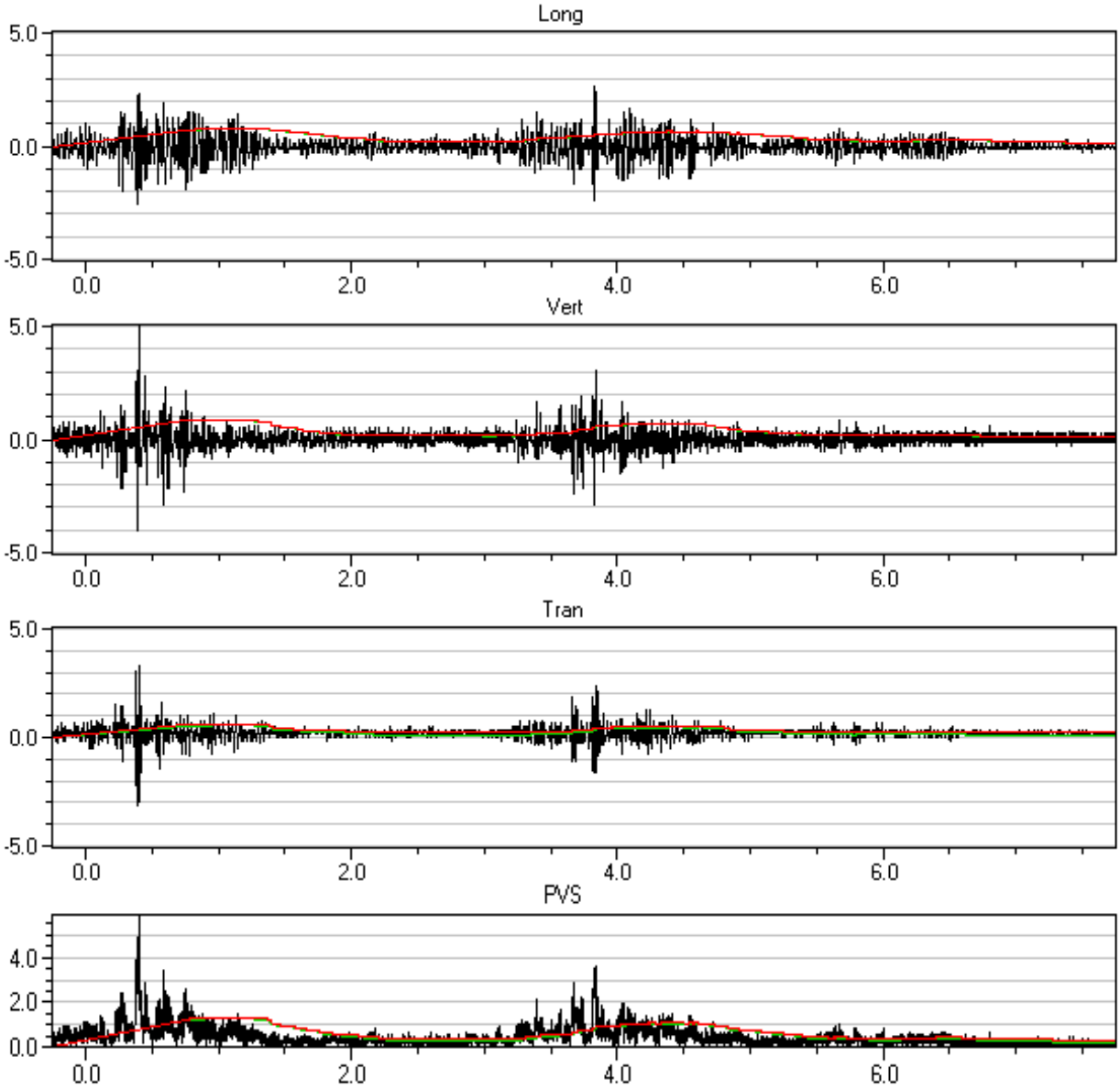



**BlastView RMS report. Generated: 19.5.2016 10:33:16** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 07:32:35 | *File Name:* | R269GD3Z.MB0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 7.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

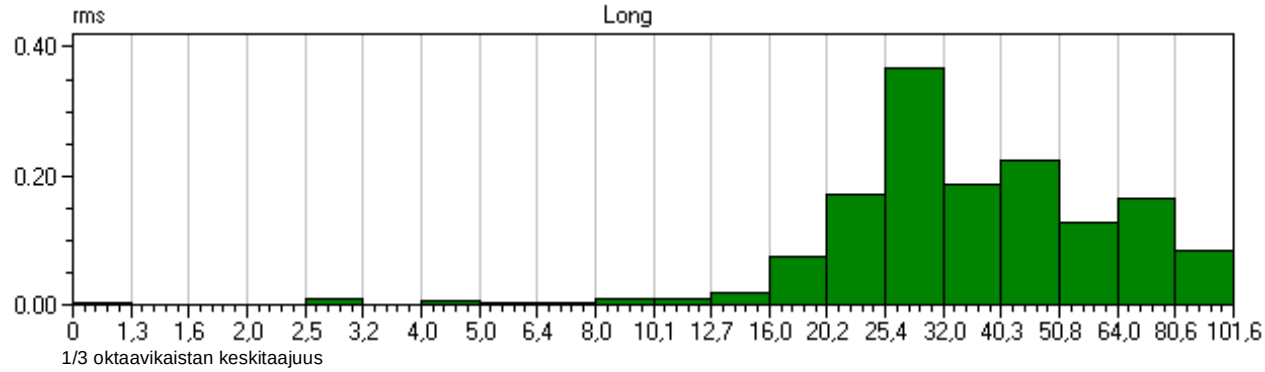
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.30 | 5.08 | 2.67 | 5.87 | mm/s |
| *Freq* | 43 | 51 | 47 | | Hz |
| *Time of Peak* | 0.410 | 0.400 | 3.831 | 0.399 | Sec |
| *Peak Acceleration* | 0.146 | 0.159 | 0.0928 | | g |
| *Peak Displacement* | 0.0110 | 0.0162 | 0.0104 | | mm |
| *RMS (1s fw 5.6)* | **0,56** | **0,85** | **0,79** | **1,27** | mm/s |
| *RMS (1s)* | **0,60** | **0,86** | **0,80** | **1,31** | mm/s |

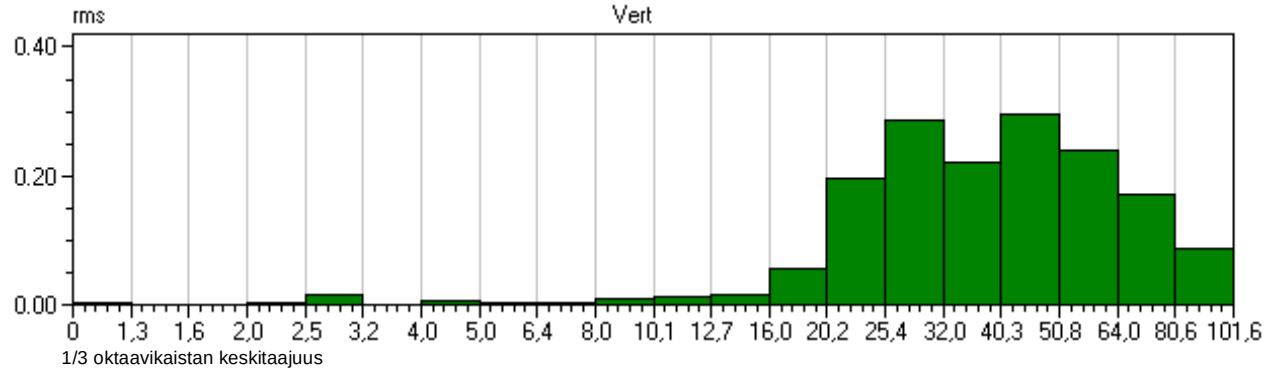


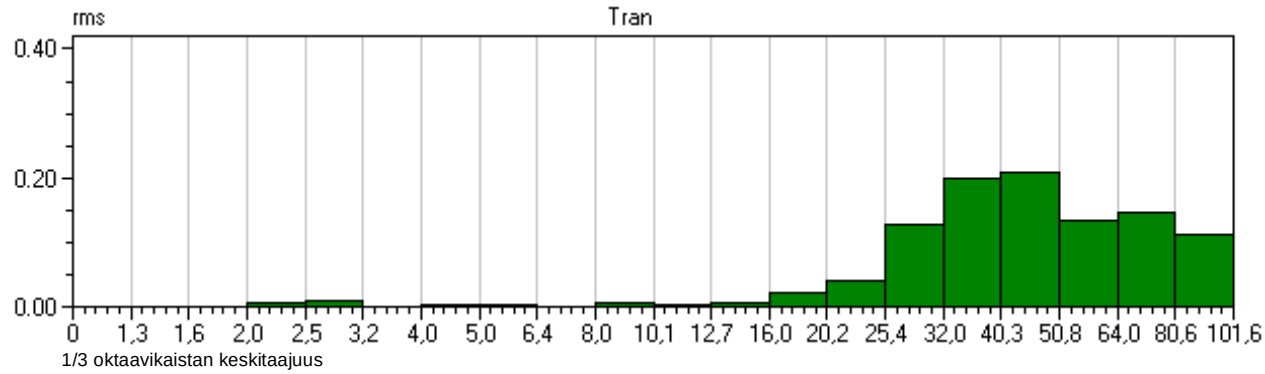
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:17** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 07:32:35 | *File Name:* | R269GD3Z.MB0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 7.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.30 | 5.08 | 2.67 | 5.87 | mm/s |
| *Freq* | 43 | 51 | 47 | | Hz |
| *Time of Peak* | 0.410 | 0.400 | 3.831 | 0.399 | Sec |
| *Peak Acceleration* | 0.146 | 0.159 | 0.0928 | | g |
| *Peak Displacement* | 0.0110 | 0.0162 | 0.0104 | | mm |
| *RMS (1s fw 5.6)* | **0,56** | **0,85** | **0,79** | **1,27** | mm/s |
| *RMS (1s)* | **0,60** | **0,86** | **0,80** | **1,31** | mm/s |



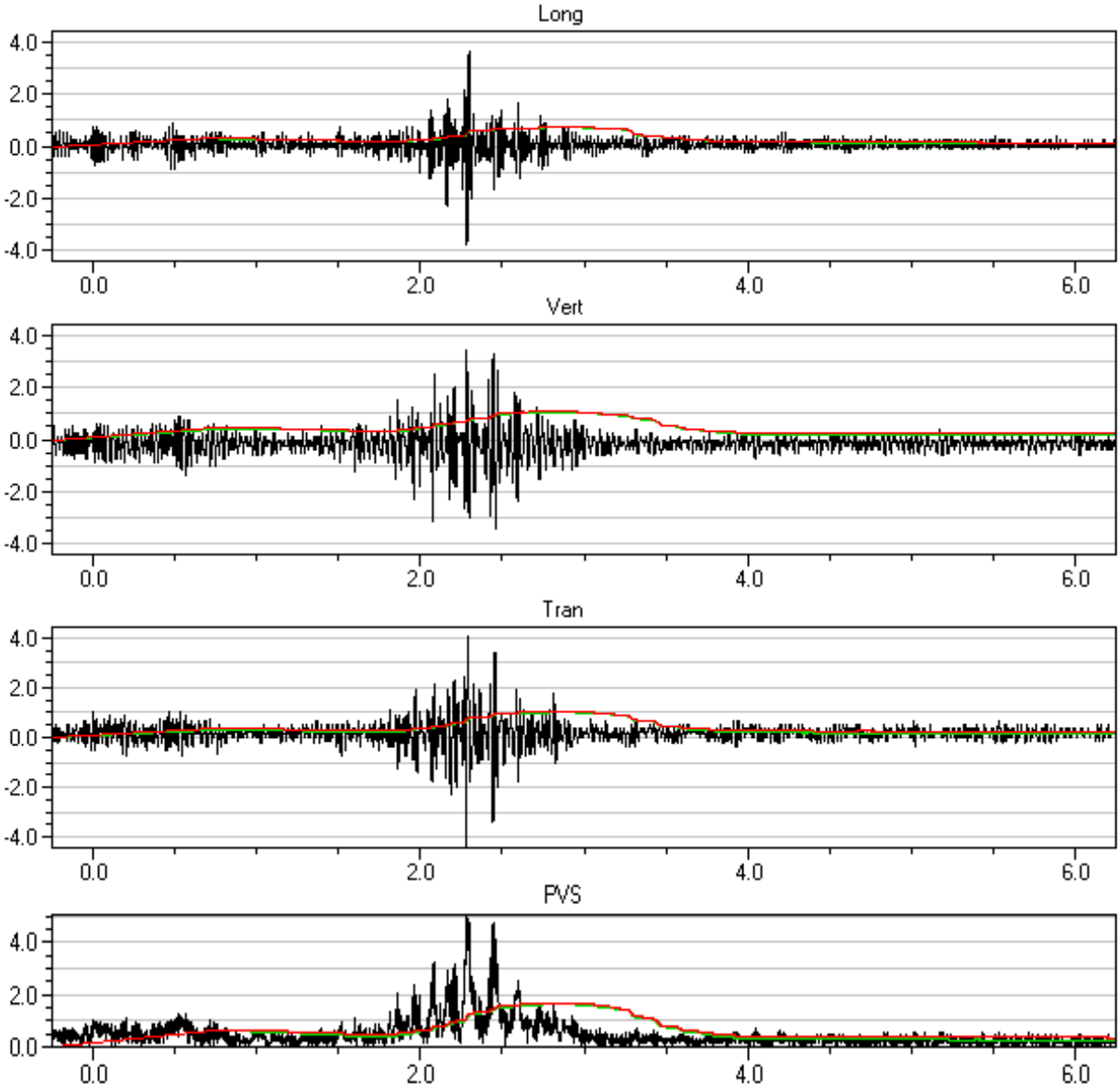



**BlastView RMS report. Generated: 19.5.2016 10:33:11** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:30:56 | *File Name:* | R269GD47.VK0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

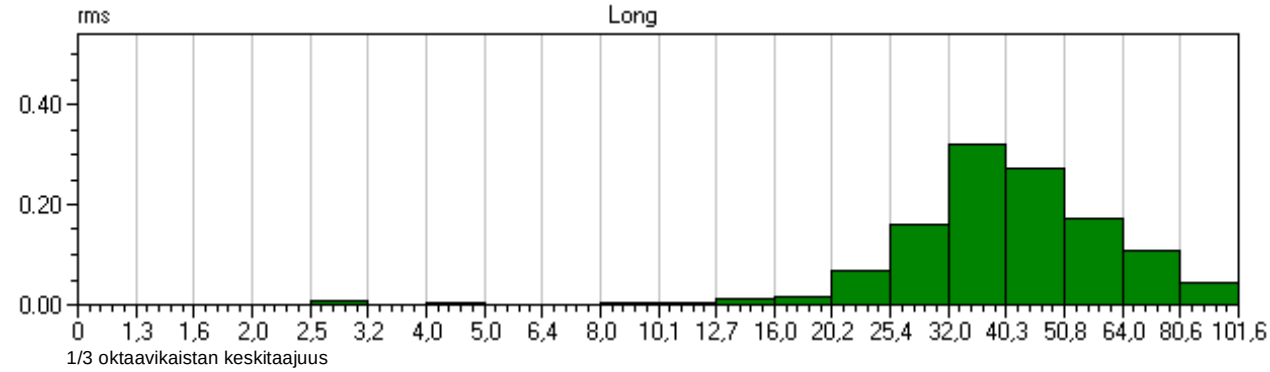
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.44 | 3.43 | 3.81 | 5.04 | mm/s |
| *Freq* | 47 | 37 | 43 | | Hz |
| *Time of Peak* | 2.277 | 2.282 | 2.284 | 2.284 | Sec |
| *Peak Acceleration* | 0.133 | 0.106 | 0.119 | | g |
| *Peak Displacement* | 0.0188 | 0.0174 | 0.0138 | | mm |
| *RMS (1s fw 5.6)* | **1,01** | **1,06** | **0,72** | **1,63** | mm/s |
| *RMS (1s)* | **1,04** | **1,09** | **0,72** | **1,67** | mm/s |

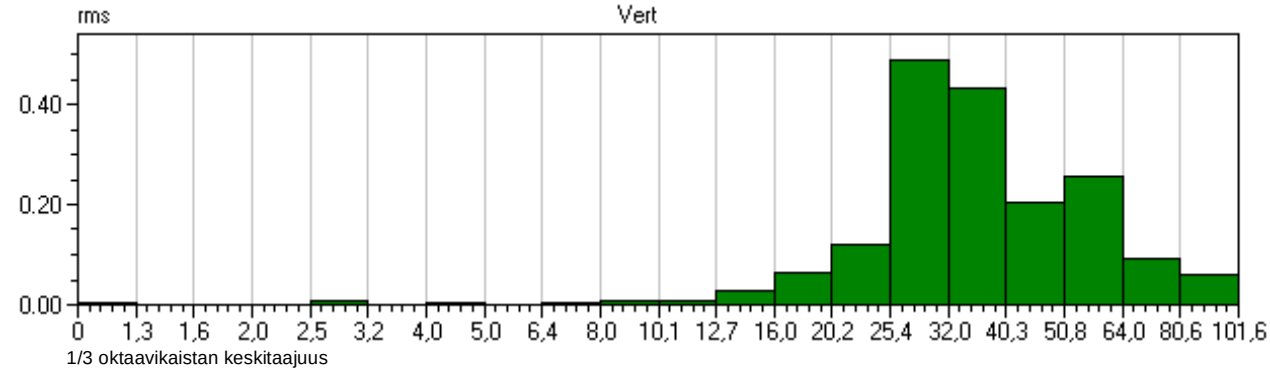


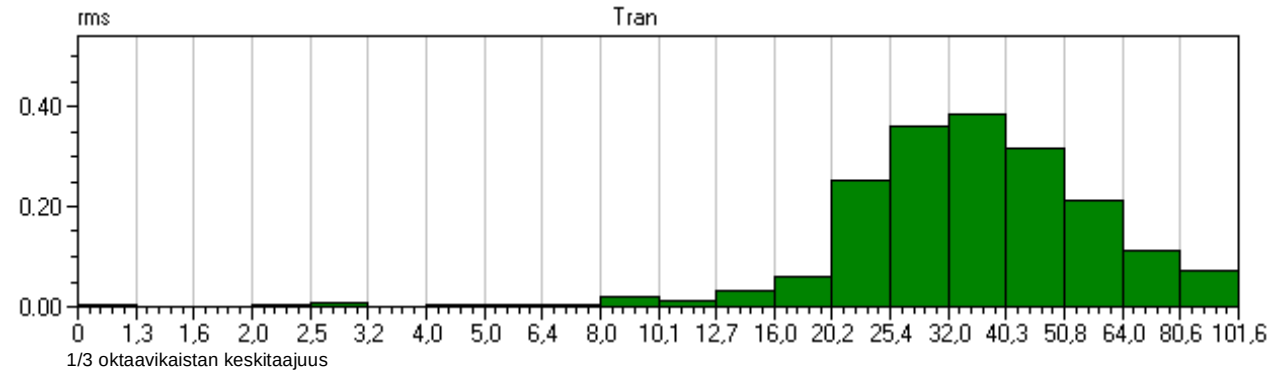
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:11** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:30:56 | *File Name:* | R269GD47.VK0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.44 | 3.43 | 3.81 | 5.04 | mm/s |
| *Freq* | 47 | 37 | 43 | | Hz |
| *Time of Peak* | 2.277 | 2.282 | 2.284 | 2.284 | Sec |
| *Peak Acceleration* | 0.133 | 0.106 | 0.119 | | g |
| *Peak Displacement* | 0.0188 | 0.0174 | 0.0138 | | mm |
| *RMS (1s fw 5.6)* | **1,01** | **1,06** | **0,72** | **1,63** | mm/s |
| *RMS (1s)* | **1,04** | **1,09** | **0,72** | **1,67** | mm/s |



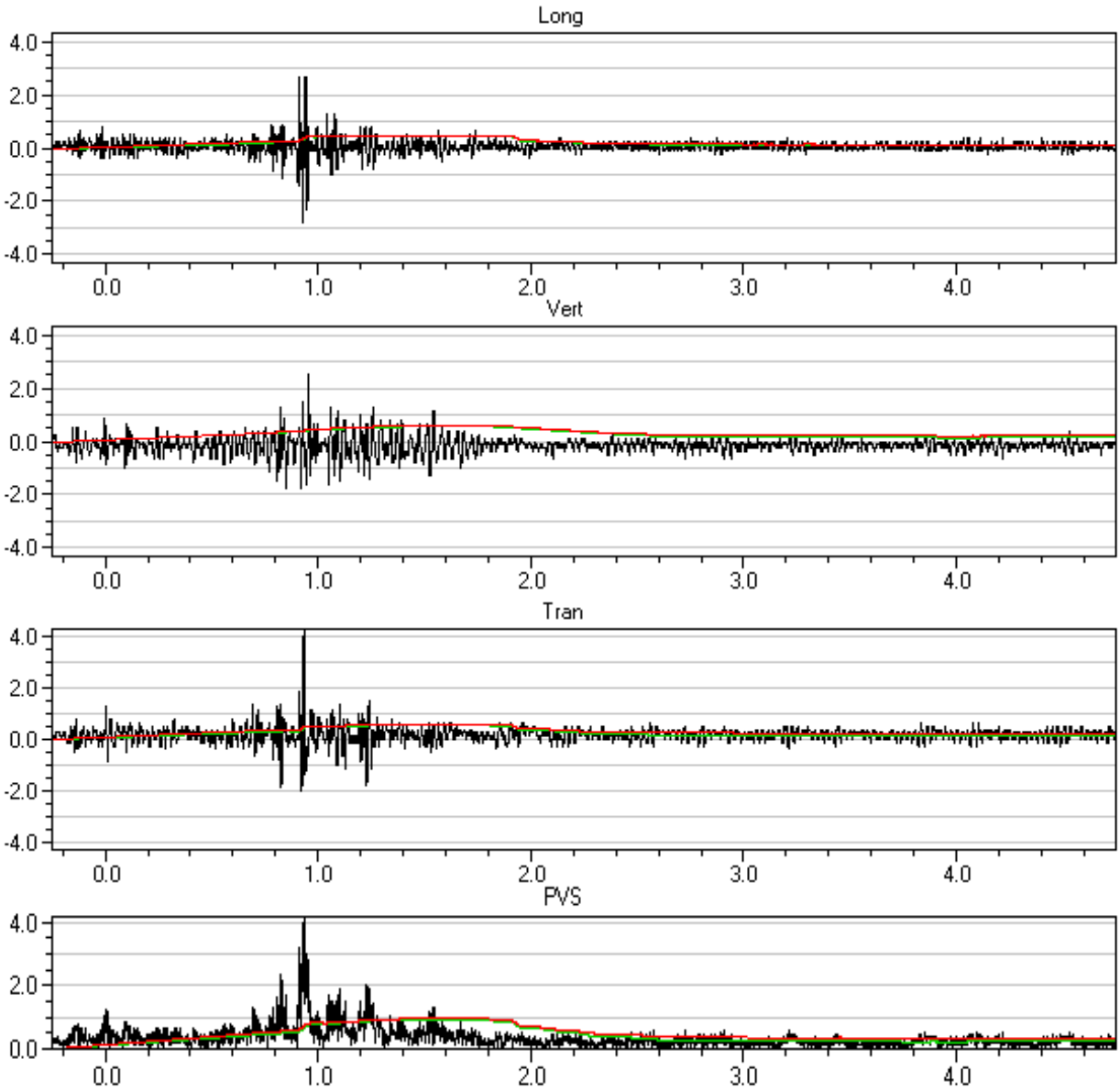



**BlastView RMS report. Generated: 19.5.2016 10:33:13** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:31:11 | *File Name:* | R269GD47.VZ0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

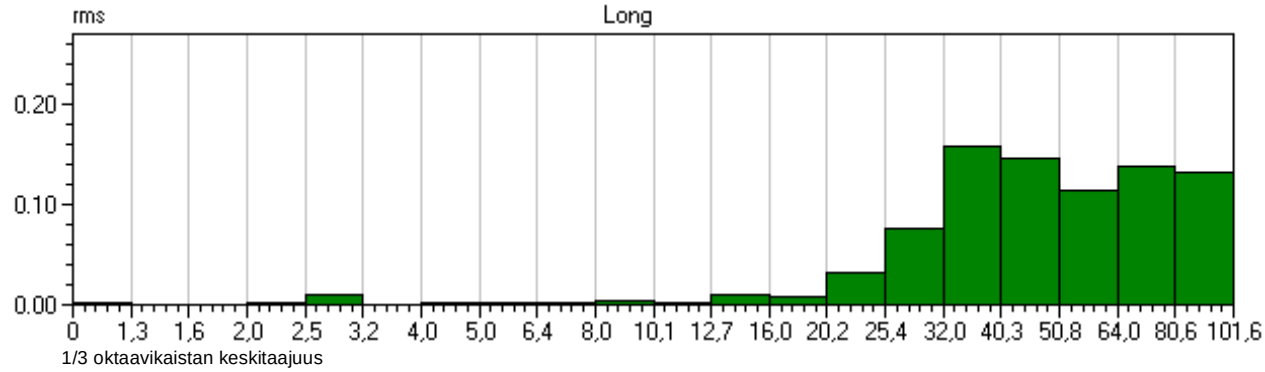
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.32 | 2.54 | 2.79 | 4.33 | mm/s |
| *Freq* | 57 | 57 | 57 | | Hz |
| *Time of Peak* | 0.932 | 0.954 | 0.928 | 0.932 | Sec |
| *Peak Acceleration* | 0.133 | 0.0795 | 0.106 | | g |
| *Peak Displacement* | 0.0109 | 0.00769 | 0.00930 | | mm |
| *RMS (1s fw 5.6)* | **0,56** | **0,58** | **0,46** | **0,93** | mm/s |
| *RMS (1s)* | **0,60** | **0,61** | **0,47** | **0,97** | mm/s |

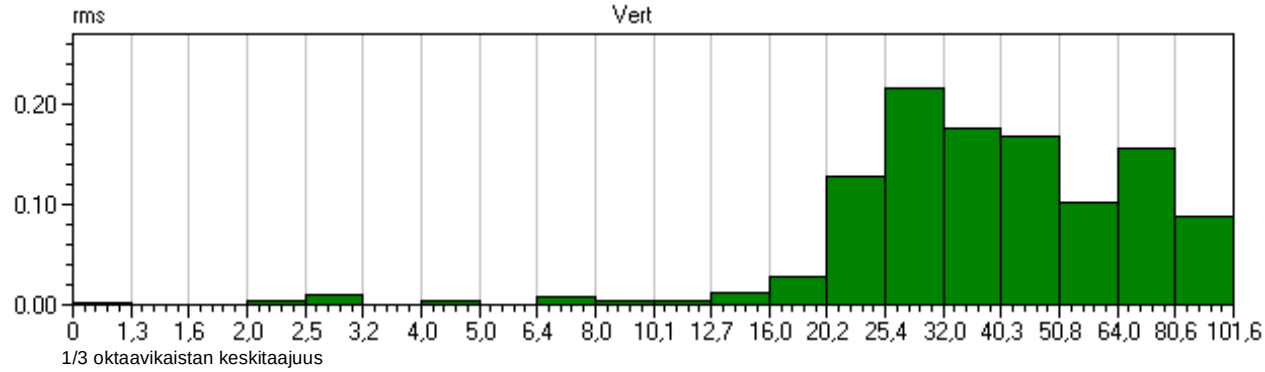


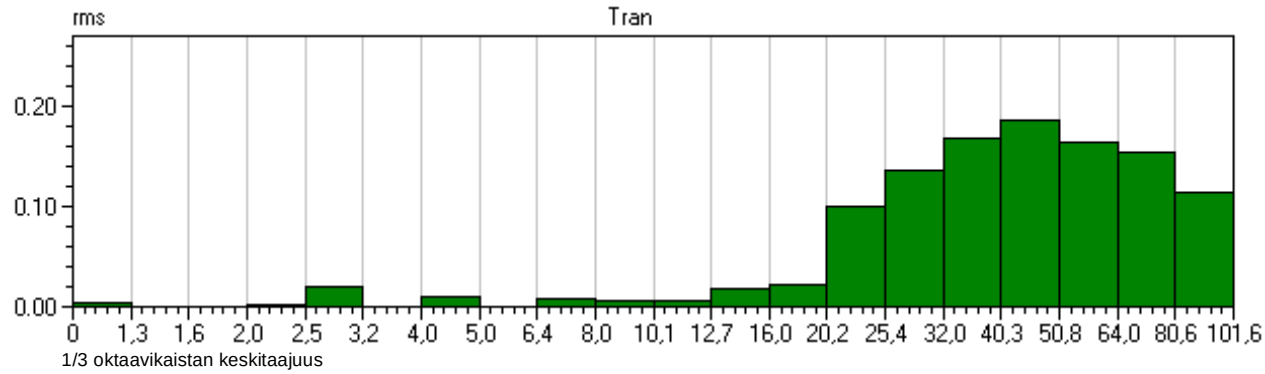
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:13** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:31:11 | *File Name:* | R269GD47.VZ0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.32 | 2.54 | 2.79 | 4.33 | mm/s |
| *Freq* | 57 | 57 | 57 | | Hz |
| *Time of Peak* | 0.932 | 0.954 | 0.928 | 0.932 | Sec |
| *Peak Acceleration* | 0.133 | 0.0795 | 0.106 | | g |
| *Peak Displacement* | 0.0109 | 0.00769 | 0.00930 | | mm |
| *RMS (1s fw 5.6)* | **0,56** | **0,58** | **0,46** | **0,93** | mm/s |
| *RMS (1s)* | **0,60** | **0,61** | **0,47** | **0,97** | mm/s |



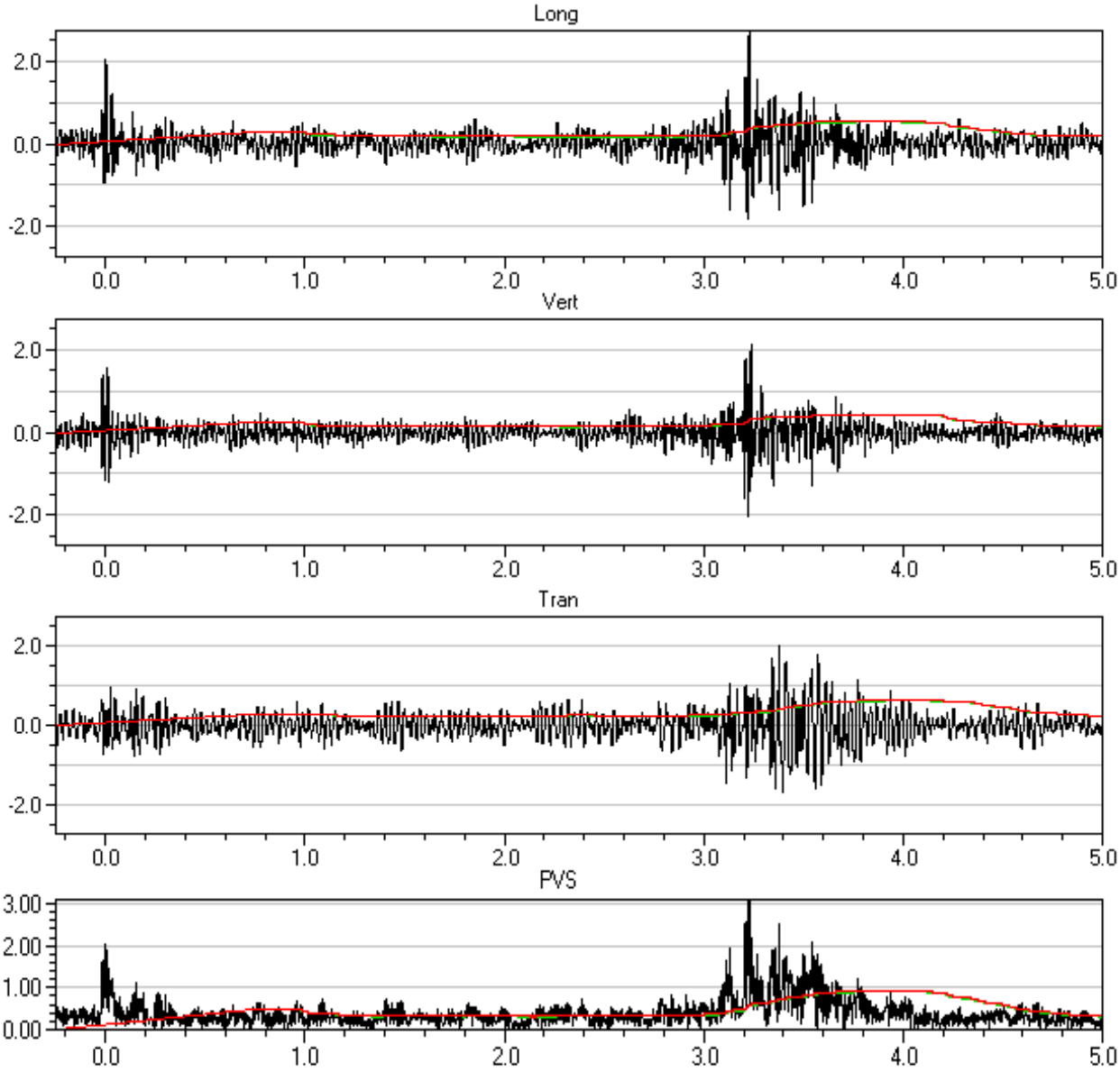



**BlastView RMS report. Generated: 19.5.2016 10:33:24** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:52:21 | *File Name:* | R269GD5H.B90W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

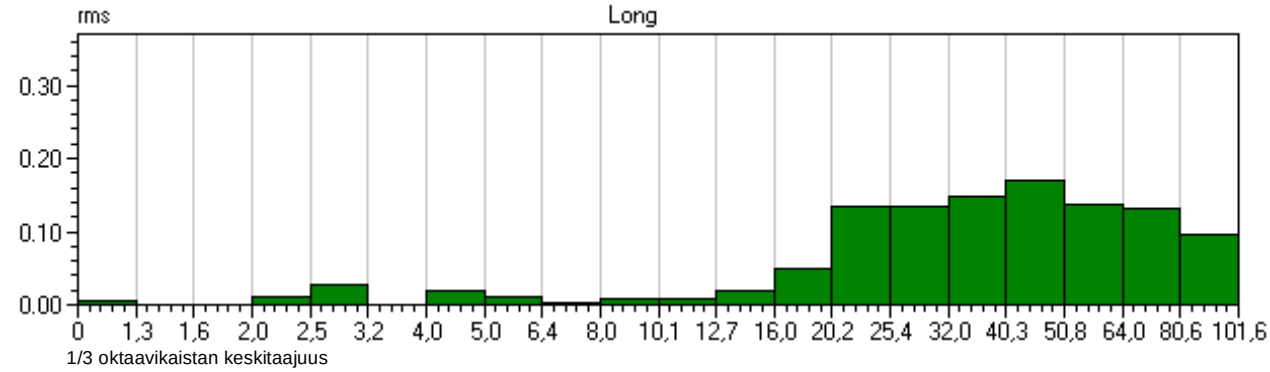
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.02 | 2.11 | 2.73 | 3.09 | mm/s |
| *Freq* | 32 | 43 | 57 | | Hz |
| *Time of Peak* | 3.376 | 3.235 | 3.227 | 3.226 | Sec |
| *Peak Acceleration* | 0.0630 | 0.0994 | 0.103 | | g |
| *Peak Displacement* | 0.00992 | 0.00615 | 0.00784 | | mm |
| *RMS (1s fw 5.6)* | **0,63** | **0,41** | **0,53** | **0,92** | mm/s |
| *RMS (1s)* | **0,64** | **0,42** | **0,54** | **0,93** | mm/s |

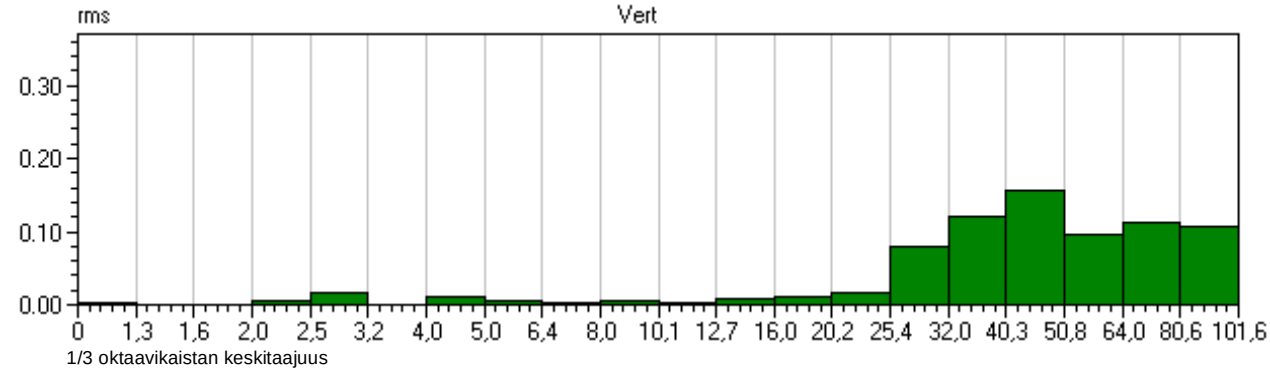


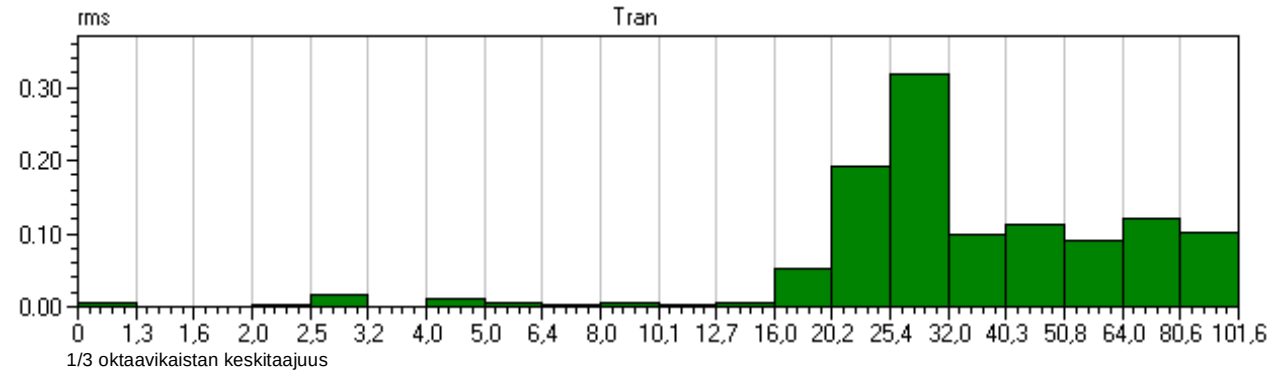
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:24** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:52:21 | *File Name:* | R269GD5H.B90W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.02 | 2.11 | 2.73 | 3.09 | mm/s |
| *Freq* | 32 | 43 | 57 | | Hz |
| *Time of Peak* | 3.376 | 3.235 | 3.227 | 3.226 | Sec |
| *Peak Acceleration* | 0.0630 | 0.0994 | 0.103 | | g |
| *Peak Displacement* | 0.00992 | 0.00615 | 0.00784 | | mm |
| *RMS (1s fw 5.6)* | **0,63** | **0,41** | **0,53** | **0,92** | mm/s |
| *RMS (1s)* | **0,64** | **0,42** | **0,54** | **0,93** | mm/s |



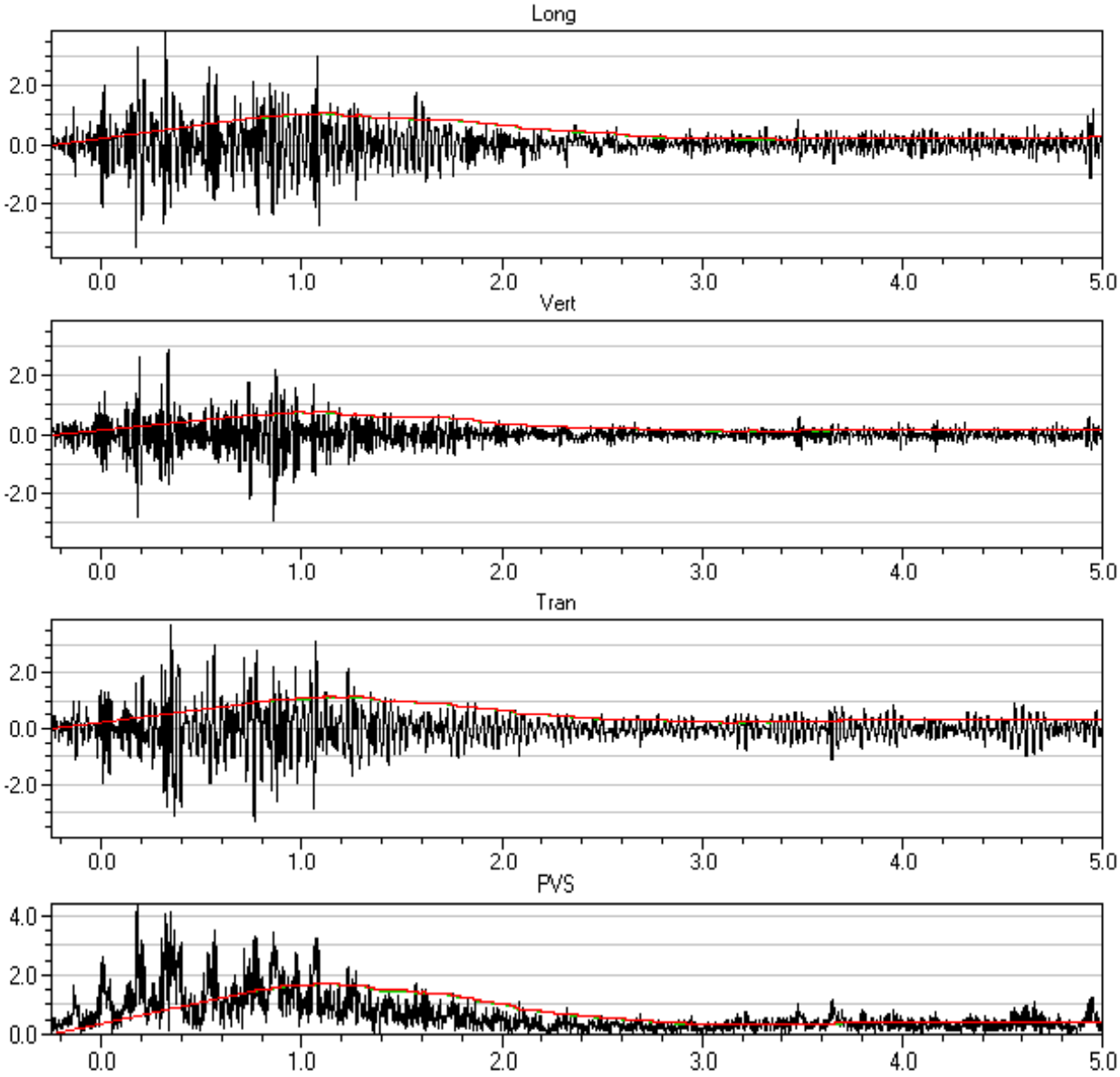



**BlastView RMS report. Generated: 19.5.2016 10:33:22** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:08 | *File Name:* | R269GD62.S80W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

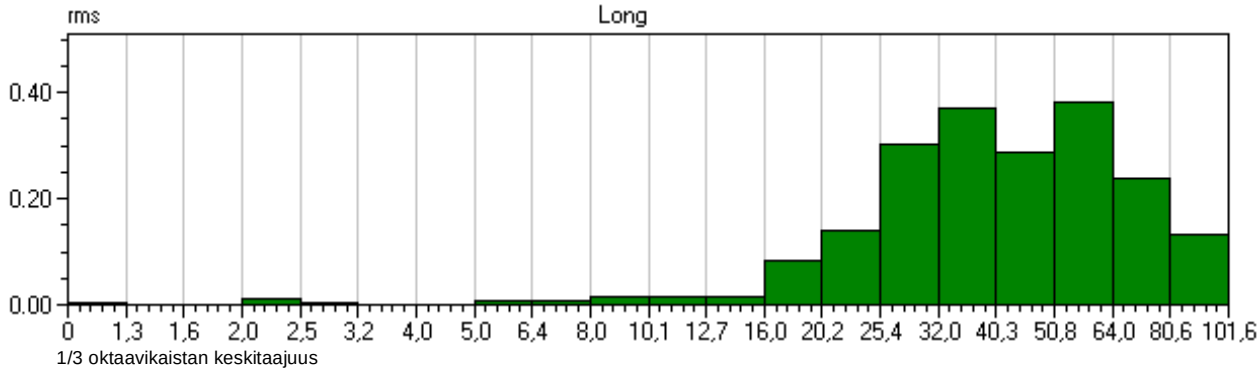
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.68 | 2.95 | 3.89 | 4.48 | mm/s |
| *Freq* | 43 | 47 | 57 | | Hz |
| *Time of Peak* | 0.347 | 0.860 | 0.319 | 0.179 | Sec |
| *Peak Acceleration* | 0.119 | 0.108 | 0.139 | | g |
| *Peak Displacement* | 0.0180 | 0.00917 | 0.0133 | | mm |
| *RMS (1s fw 5.6)* | **1,13** | **0,75** | **1,06** | **1,71** | mm/s |
| *RMS (1s)* | **1,15** | **0,76** | **1,07** | **1,73** | mm/s |

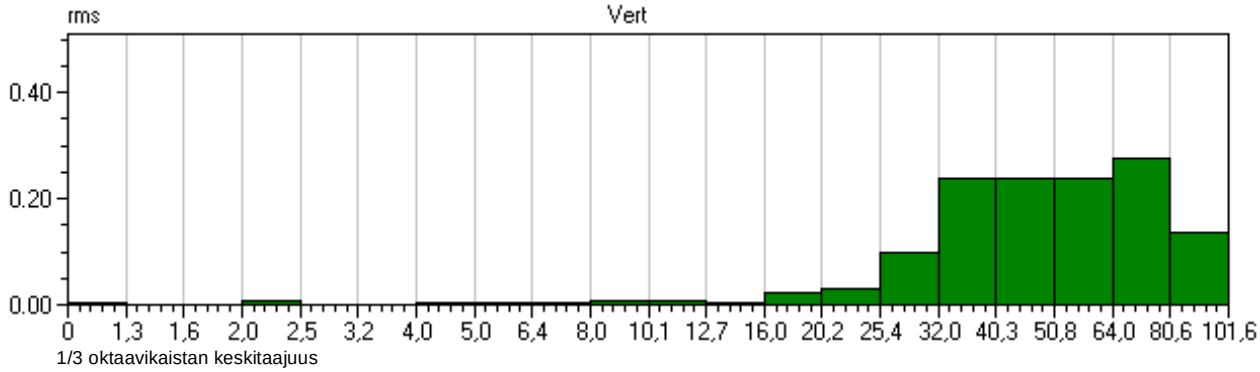


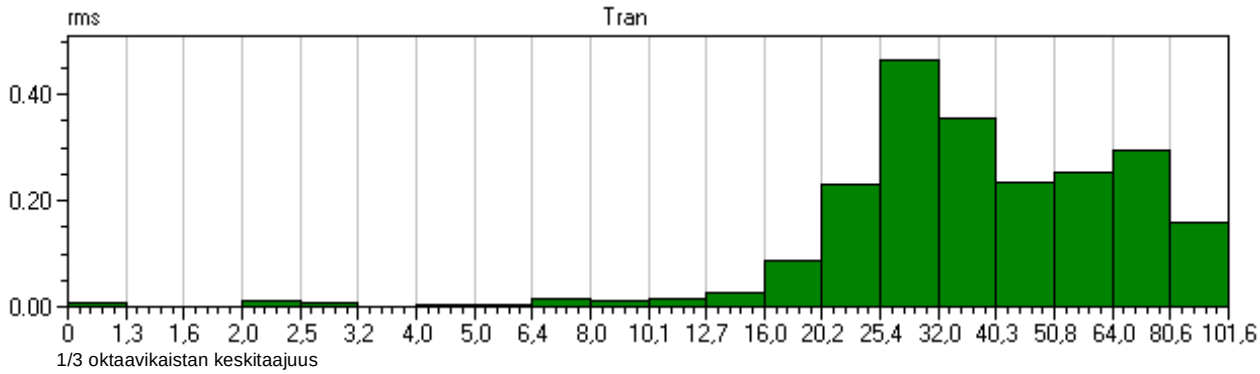
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:22** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:08 | *File Name:* | R269GD62.S80W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.68 | 2.95 | 3.89 | 4.48 | mm/s |
| *Freq* | 43 | 47 | 57 | | Hz |
| *Time of Peak* | 0.347 | 0.860 | 0.319 | 0.179 | Sec |
| *Peak Acceleration* | 0.119 | 0.108 | 0.139 | | g |
| *Peak Displacement* | 0.0180 | 0.00917 | 0.0133 | | mm |
| *RMS (1s fw 5.6)* | **1,13** | **0,75** | **1,06** | **1,71** | mm/s |
| *RMS (1s)* | **1,15** | **0,76** | **1,07** | **1,73** | mm/s |



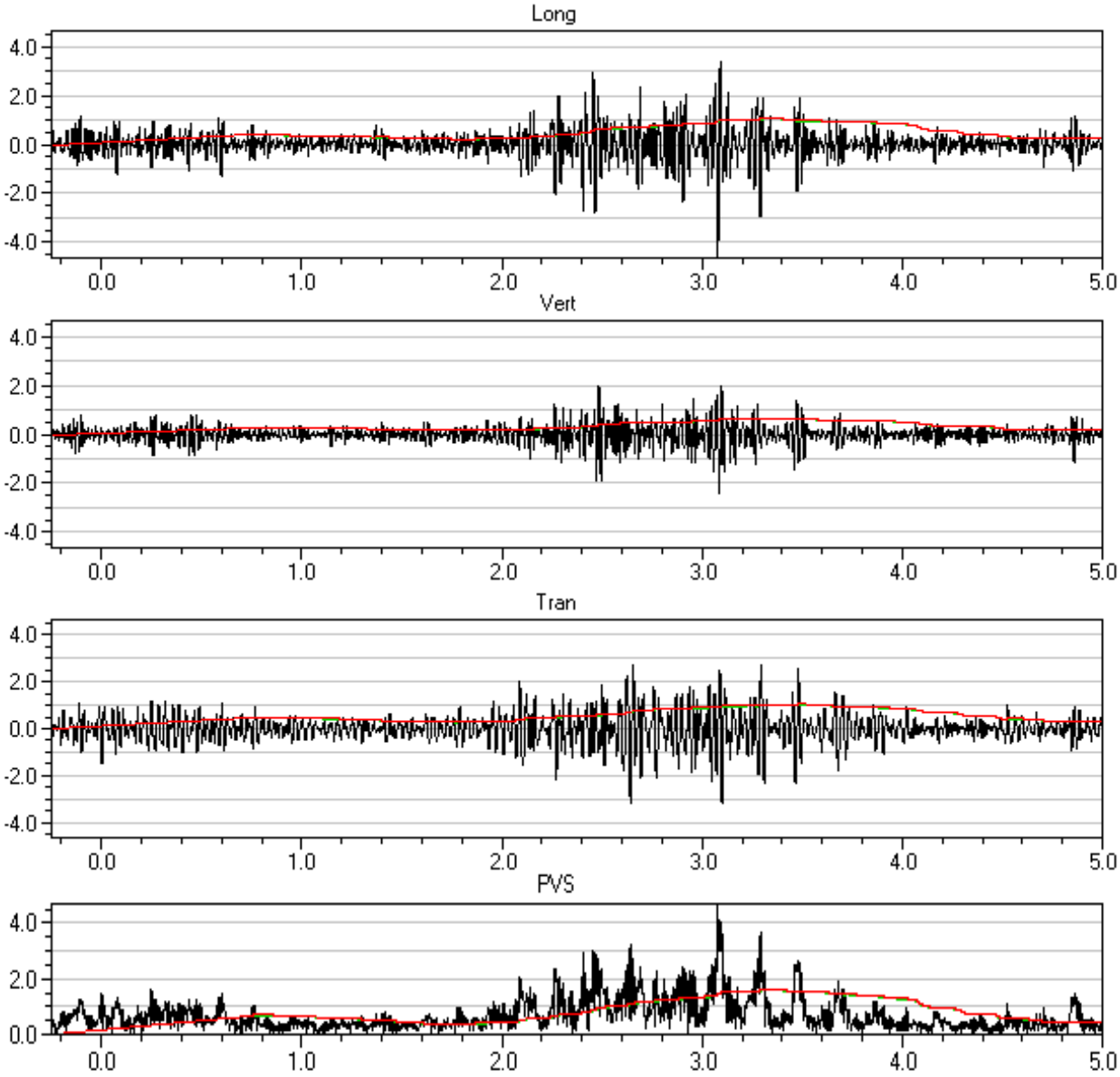



**BlastView RMS report. Generated: 19.5.2016 10:33:18** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:14 | *File Name:* | R269GD62.SE0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

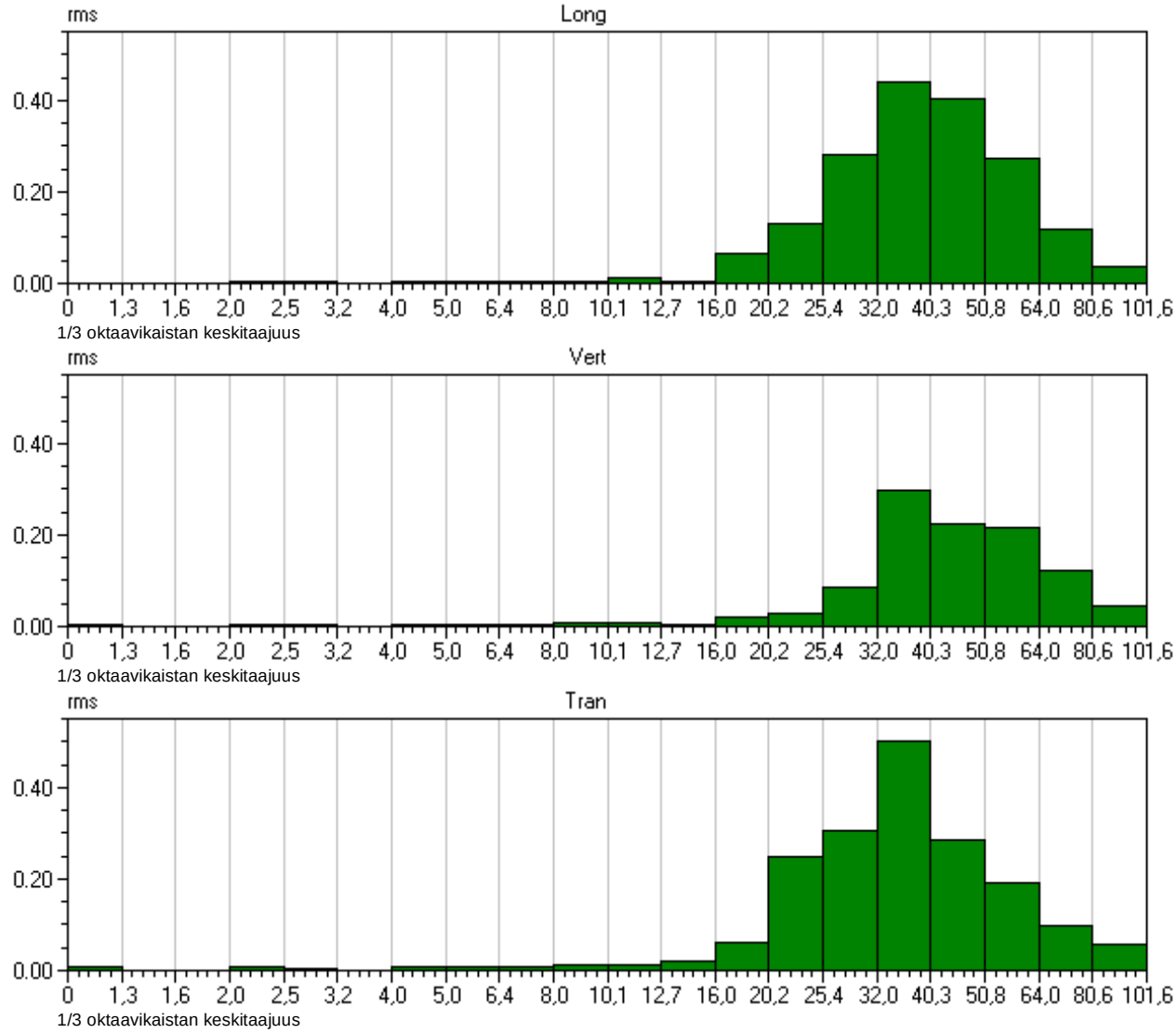
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.17 | 2.41 | 4.64 | 4.72 | mm/s |
| *Freq* | 34 | 43 | 39 | | Hz |
| *Time of Peak* | 2.642 | 3.084 | 3.078 | 3.077 | Sec |
| *Peak Acceleration* | 0.0829 | 0.0630 | 0.106 | | g |
| *Peak Displacement* | 0.0142 | 0.00895 | 0.0173 | | mm |
| *RMS (1s fw 5.6)* | **1,04** | **0,65** | **1,05** | **1,59** | mm/s |
| *RMS (1s)* | **1,06** | **0,66** | **1,06** | **1,61** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:18** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:14 | *File Name:* | R269GD62.SE0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

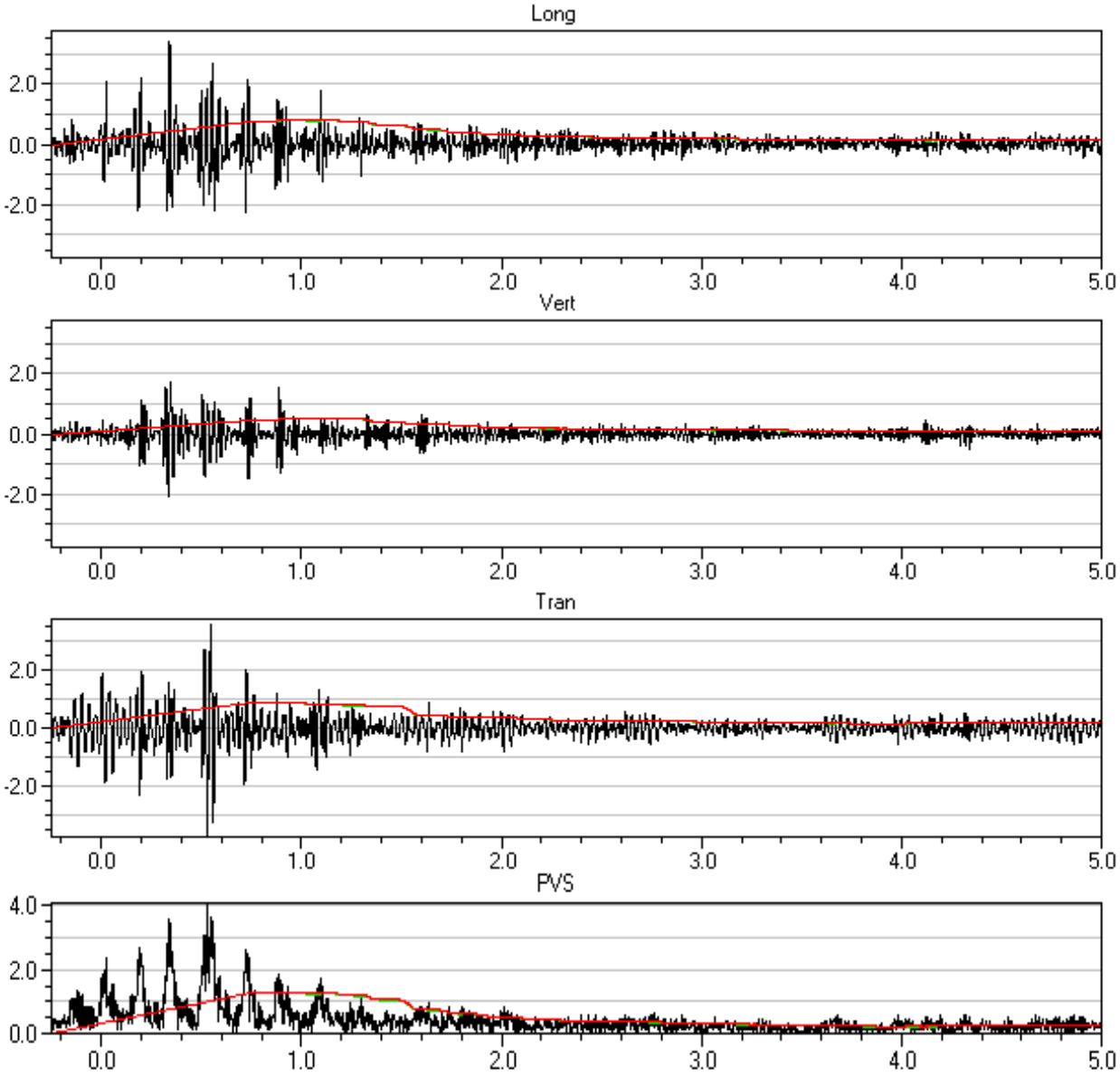
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.17 | 2.41 | 4.64 | 4.72 | mm/s |
| *Freq* | 34 | 43 | 39 | | Hz |
| *Time of Peak* | 2.642 | 3.084 | 3.078 | 3.077 | Sec |
| *Peak Acceleration* | 0.0829 | 0.0630 | 0.106 | | g |
| *Peak Displacement* | 0.0142 | 0.00895 | 0.0173 | | mm |
| *RMS (1s fw 5.6)* | **1,04** | **0,65** | **1,05** | **1,59** | mm/s |
| *RMS (1s)* | **1,06** | **0,66** | **1,06** | **1,61** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:33:20** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:21 | *File Name:* | R269GD62.SL0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

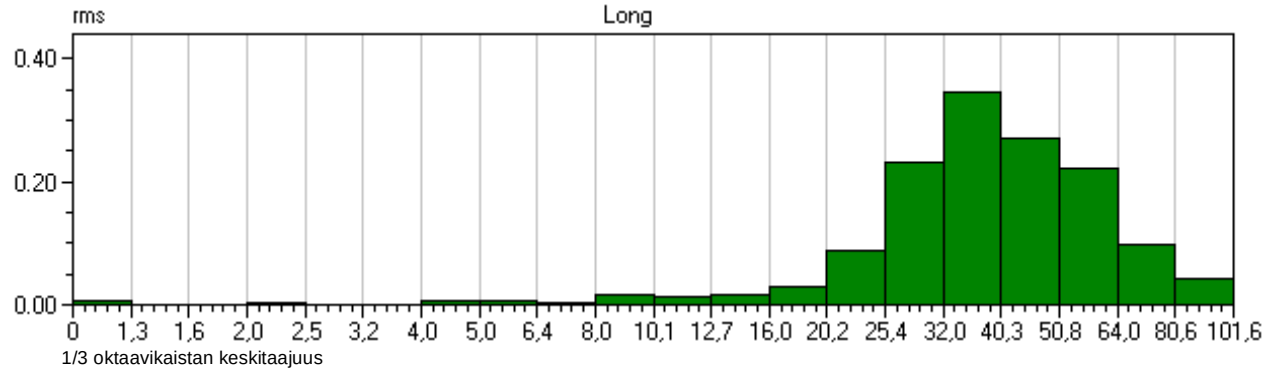
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.76 | 2.05 | 3.37 | 4.15 | mm/s |
| *Freq* | 32 | 43 | 39 | | Hz |
| *Time of Peak* | 0.527 | 0.333 | 0.340 | 0.527 | Sec |
| *Peak Acceleration* | 0.101 | 0.0580 | 0.0812 | | g |
| *Peak Displacement* | 0.0162 | 0.00762 | 0.0136 | | mm |
| *RMS (1s fw 5.6)* | **0,89** | **0,51** | **0,80** | **1,28** | mm/s |
| *RMS (1s)* | **0,90** | **0,51** | **0,81** | **1,30** | mm/s |

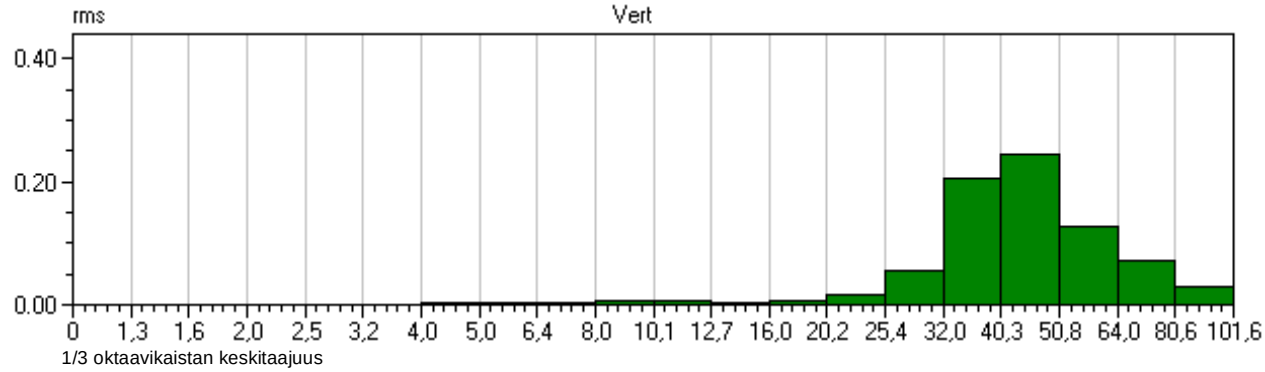


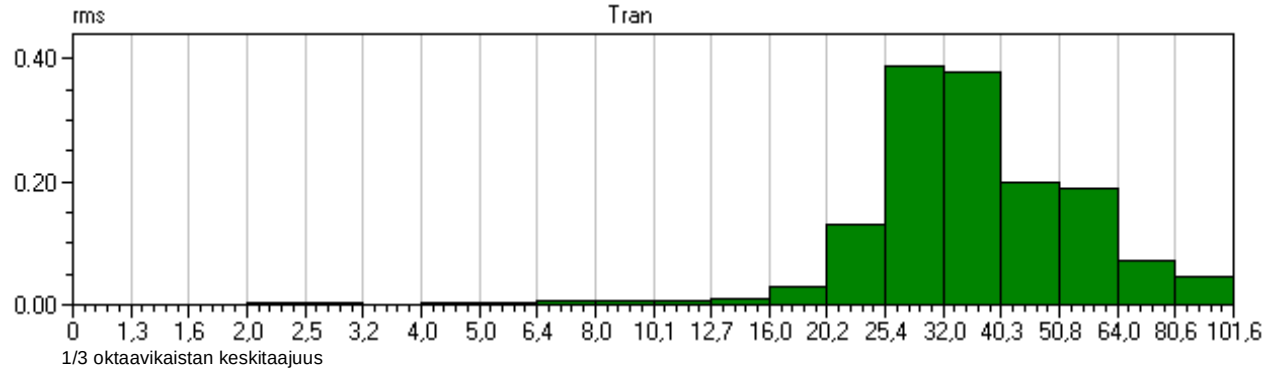
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:20** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:36:21 | *File Name:* | R269GD62.SL0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.76 | 2.05 | 3.37 | 4.15 | mm/s |
| *Freq* | 32 | 43 | 39 | | Hz |
| *Time of Peak* | 0.527 | 0.333 | 0.340 | 0.527 | Sec |
| *Peak Acceleration* | 0.101 | 0.0580 | 0.0812 | | g |
| *Peak Displacement* | 0.0162 | 0.00762 | 0.0136 | | mm |
| *RMS (1s fw 5.6)* | **0,89** | **0,51** | **0,80** | **1,28** | mm/s |
| *RMS (1s)* | **0,90** | **0,51** | **0,81** | **1,30** | mm/s |



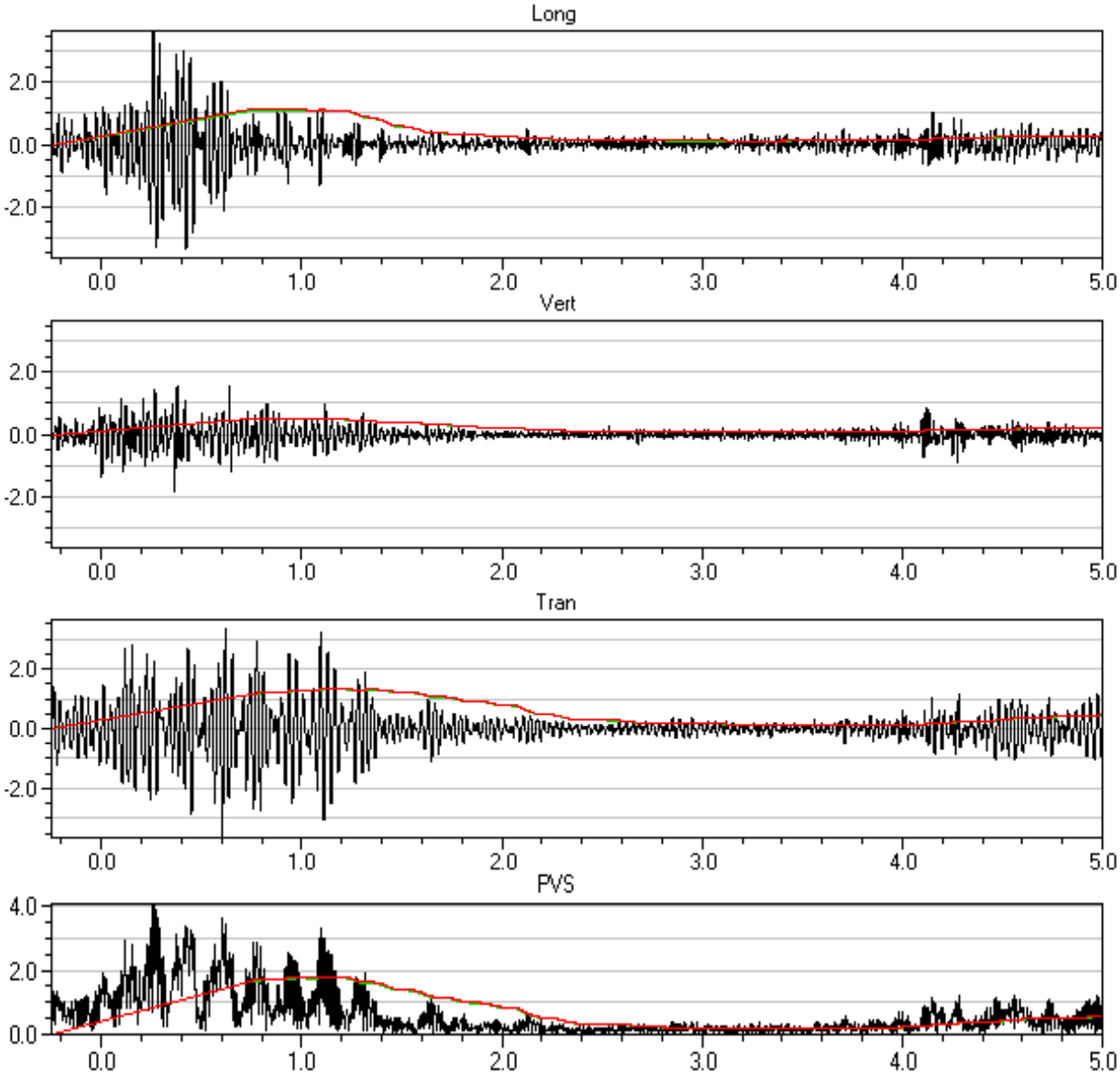



**BlastView RMS report. Generated: 19.5.2016 10:33:25** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:19:53 | *File Name:* | R269GD7A.H50W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

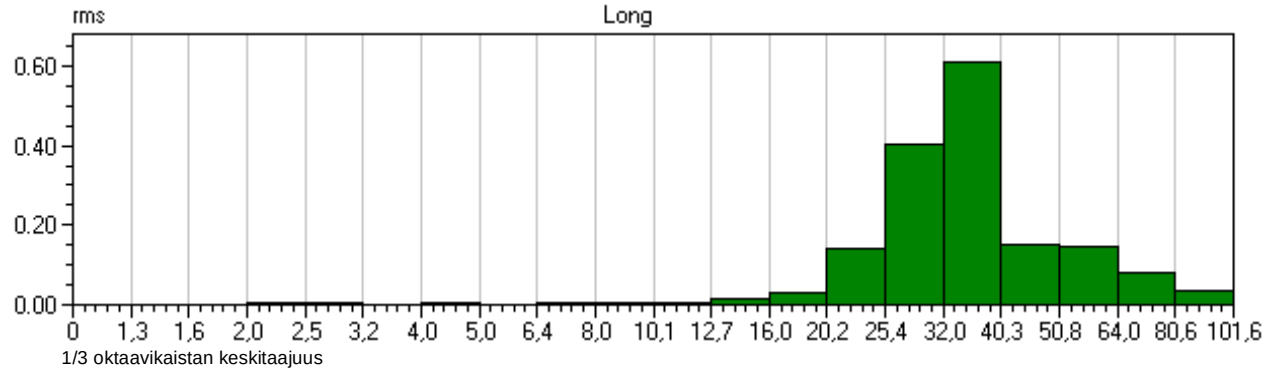
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.56 | 1.84 | 3.65 | 4.13 | mm/s |
| *Freq* | 30 | 39 | 34 | | Hz |
| *Time of Peak* | 0.602 | 0.364 | 0.258 | 0.258 | Sec |
| *Peak Acceleration* | 0.0679 | 0.0597 | 0.0829 | | g |
| *Peak Displacement* | 0.0176 | 0.00686 | 0.0183 | | mm |
| *RMS (1s fw 5.6)* | **1,33** | **0,52** | **1,11** | **1,78** | mm/s |
| *RMS (1s)* | **1,36** | **0,53** | **1,12** | **1,81** | mm/s |

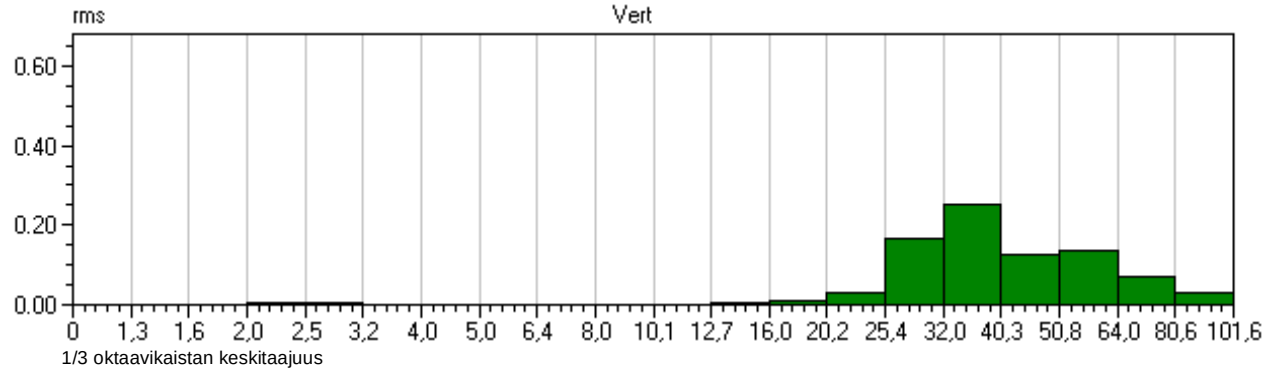


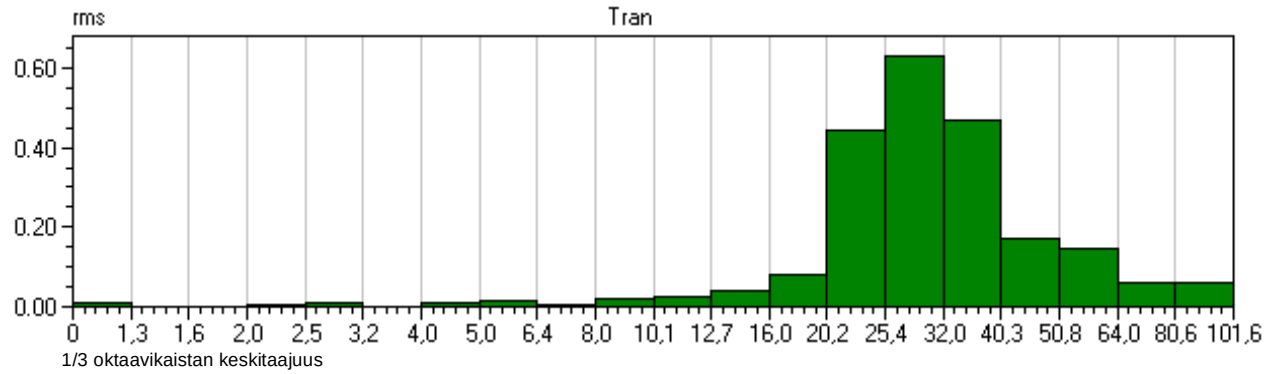
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:25** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:19:53 | *File Name:* | R269GD7A.H50W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.56 | 1.84 | 3.65 | 4.13 | mm/s |
| *Freq* | 30 | 39 | 34 | | Hz |
| *Time of Peak* | 0.602 | 0.364 | 0.258 | 0.258 | Sec |
| *Peak Acceleration* | 0.0679 | 0.0597 | 0.0829 | | g |
| *Peak Displacement* | 0.0176 | 0.00686 | 0.0183 | | mm |
| *RMS (1s fw 5.6)* | **1,33** | **0,52** | **1,11** | **1,78** | mm/s |
| *RMS (1s)* | **1,36** | **0,53** | **1,12** | **1,81** | mm/s |



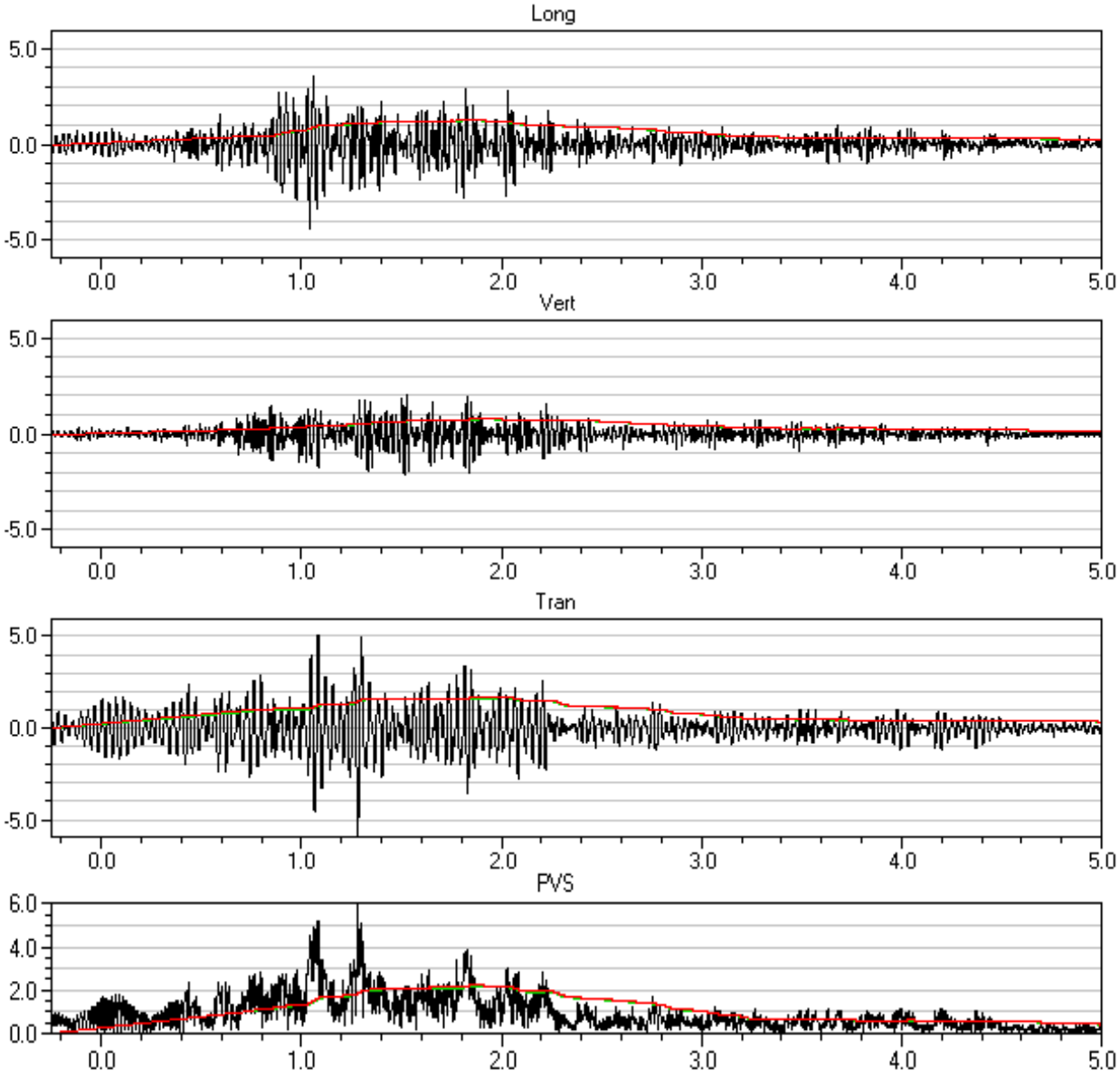



**BlastView RMS report. Generated: 19.5.2016 10:33:27** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:20:08 | *File Name:* | R269GD7A.HK0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

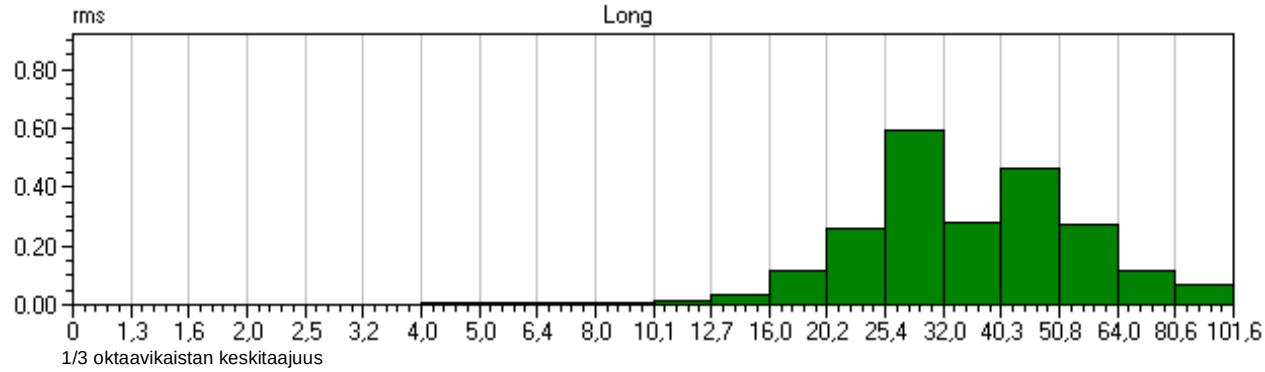
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.94 | 2.14 | 4.41 | 6.17 | mm/s |
| *Freq* | 30 | 47 | 37 | | Hz |
| *Time of Peak* | 1.280 | 1.514 | 1.040 | 1.280 | Sec |
| *Peak Acceleration* | 0.116 | 0.0663 | 0.109 | | g |
| *Peak Displacement* | 0.0312 | 0.00739 | 0.0206 | | mm |
| *RMS (1s fw 5.6)* | **1,64** | **0,76** | **1,28** | **2,20** | mm/s |
| *RMS (1s)* | **1,68** | **0,77** | **1,30** | **2,24** | mm/s |

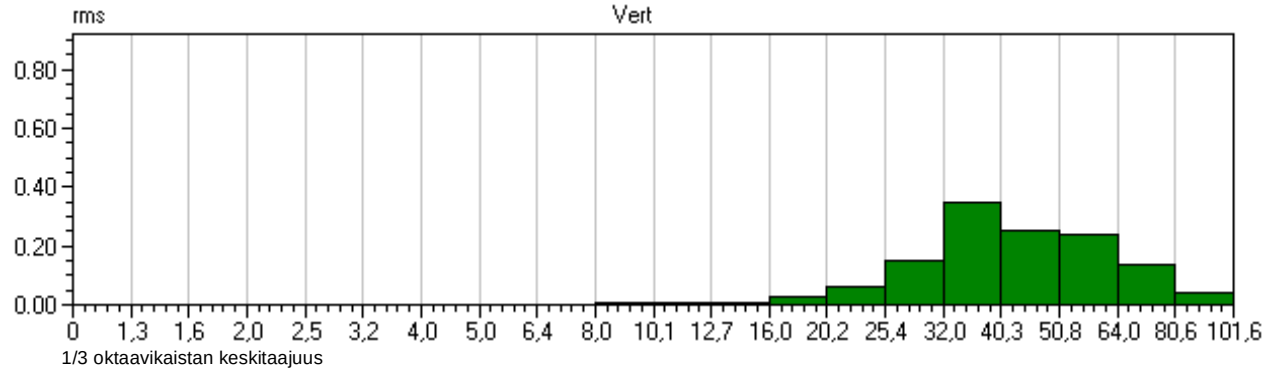


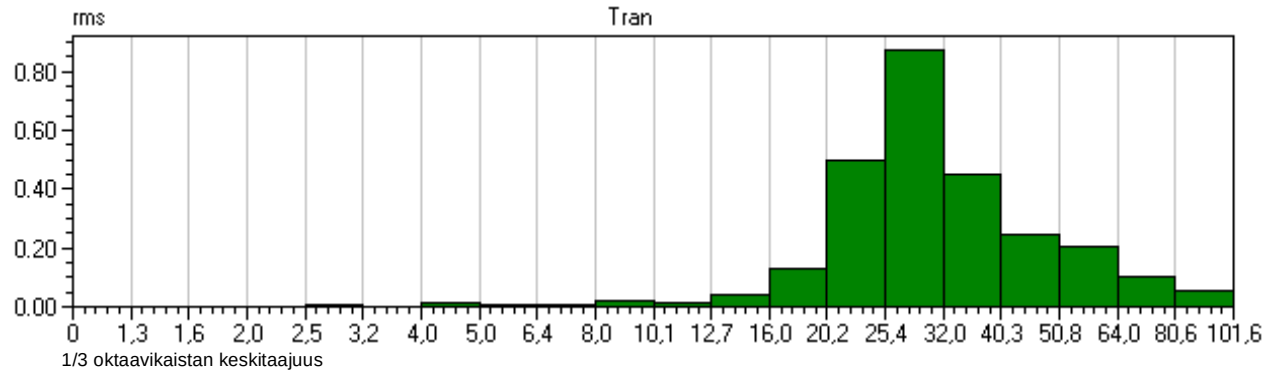
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:27** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 02:20:08 | *File Name:* | R269GD7A.HK0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.94 | 2.14 | 4.41 | 6.17 | mm/s |
| *Freq* | 30 | 47 | 37 | | Hz |
| *Time of Peak* | 1.280 | 1.514 | 1.040 | 1.280 | Sec |
| *Peak Acceleration* | 0.116 | 0.0663 | 0.109 | | g |
| *Peak Displacement* | 0.0312 | 0.00739 | 0.0206 | | mm |
| *RMS (1s fw 5.6)* | **1,64** | **0,76** | **1,28** | **2,20** | mm/s |
| *RMS (1s)* | **1,68** | **0,77** | **1,30** | **2,24** | mm/s |



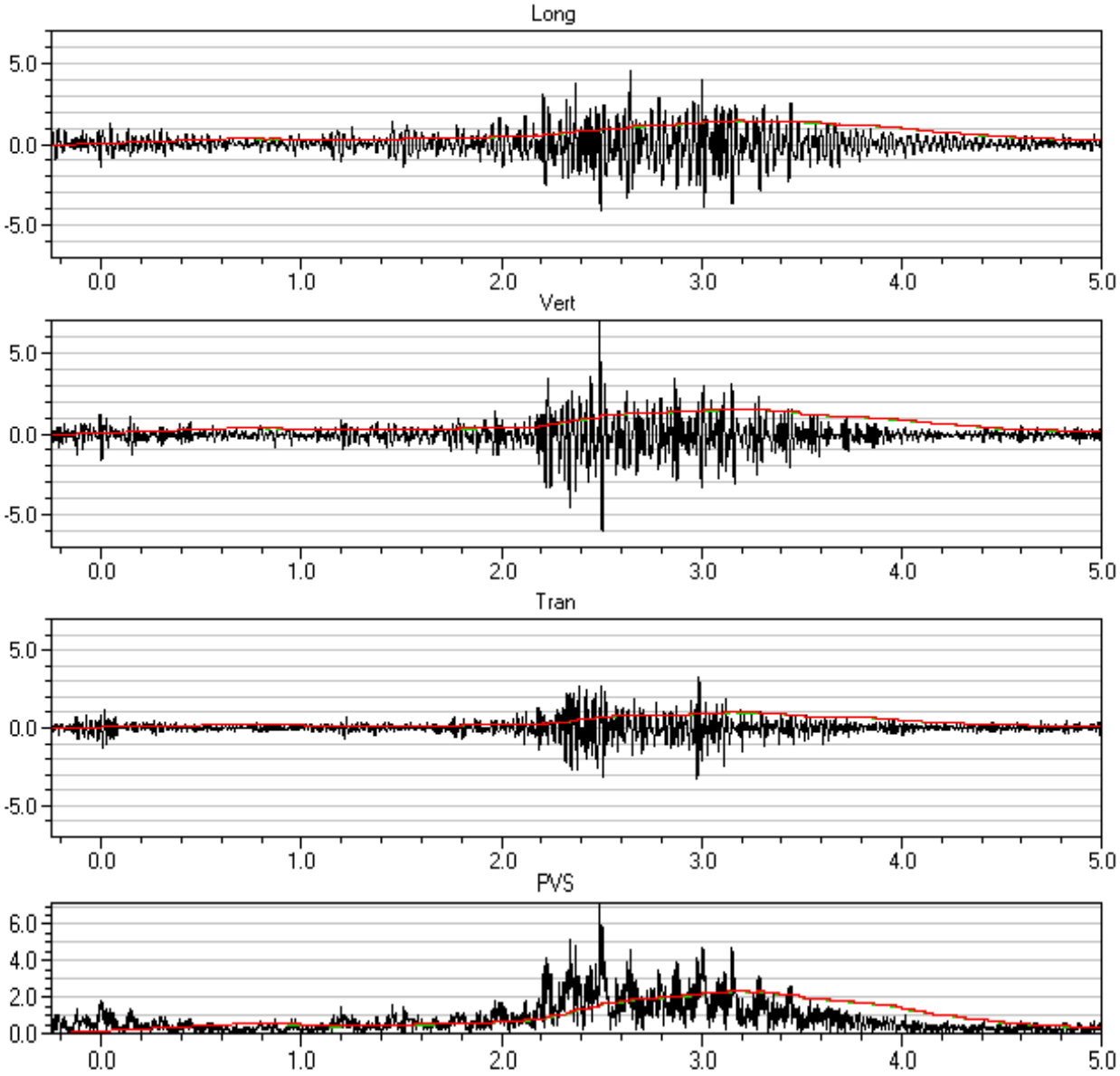



**BlastView RMS report. Generated: 19.5.2016 10:33:29** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:41:44 | *File Name:* | R269GDBN.1K0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

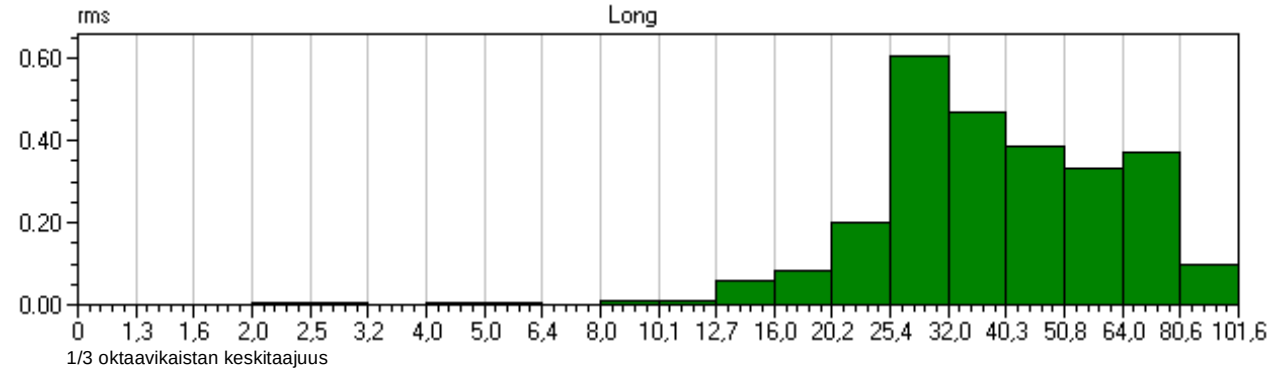
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.30 | 7.00 | 4.49 | 7.22 | mm/s |
| *Freq* | 57 | 47 | 37 | | Hz |
| *Time of Peak* | 2.979 | 2.490 | 2.644 | 2.490 | Sec |
| *Peak Acceleration* | 0.141 | 0.166 | 0.128 | | g |
| *Peak Displacement* | 0.0103 | 0.0223 | 0.0197 | | mm |
| *RMS (1s fw 5.6)* | **0,99** | **1,53** | **1,45** | **2,33** | mm/s |
| *RMS (1s)* | **1,00** | **1,55** | **1,47** | **2,36** | mm/s |

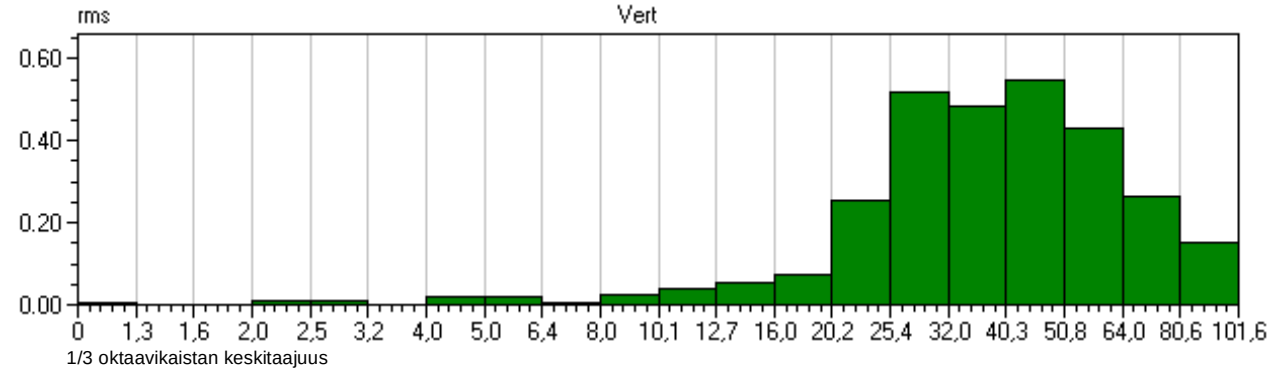


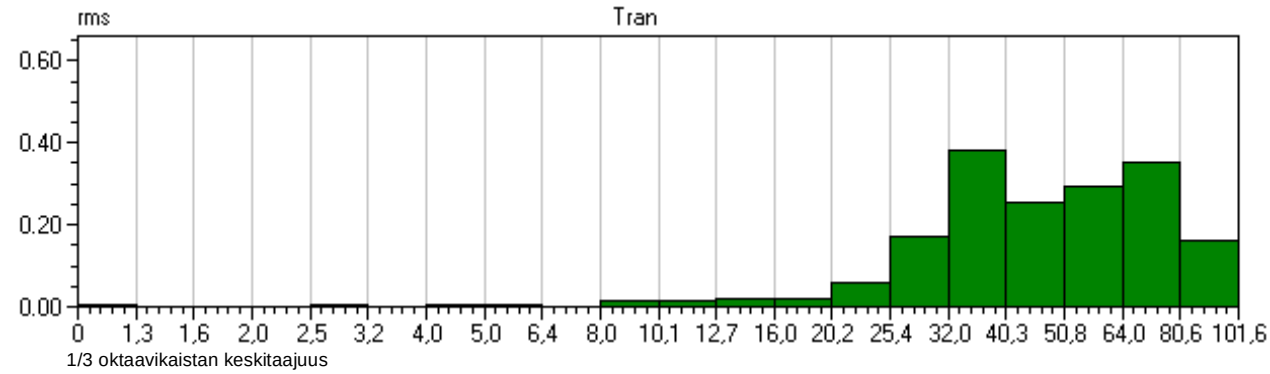
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:29** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 10:41:44 | *File Name:* | R269GDBN.1K0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.30 | 7.00 | 4.49 | 7.22 | mm/s |
| *Freq* | 57 | 47 | 37 | | Hz |
| *Time of Peak* | 2.979 | 2.490 | 2.644 | 2.490 | Sec |
| *Peak Acceleration* | 0.141 | 0.166 | 0.128 | | g |
| *Peak Displacement* | 0.0103 | 0.0223 | 0.0197 | | mm |
| *RMS (1s fw 5.6)* | **0,99** | **1,53** | **1,45** | **2,33** | mm/s |
| *RMS (1s)* | **1,00** | **1,55** | **1,47** | **2,36** | mm/s |



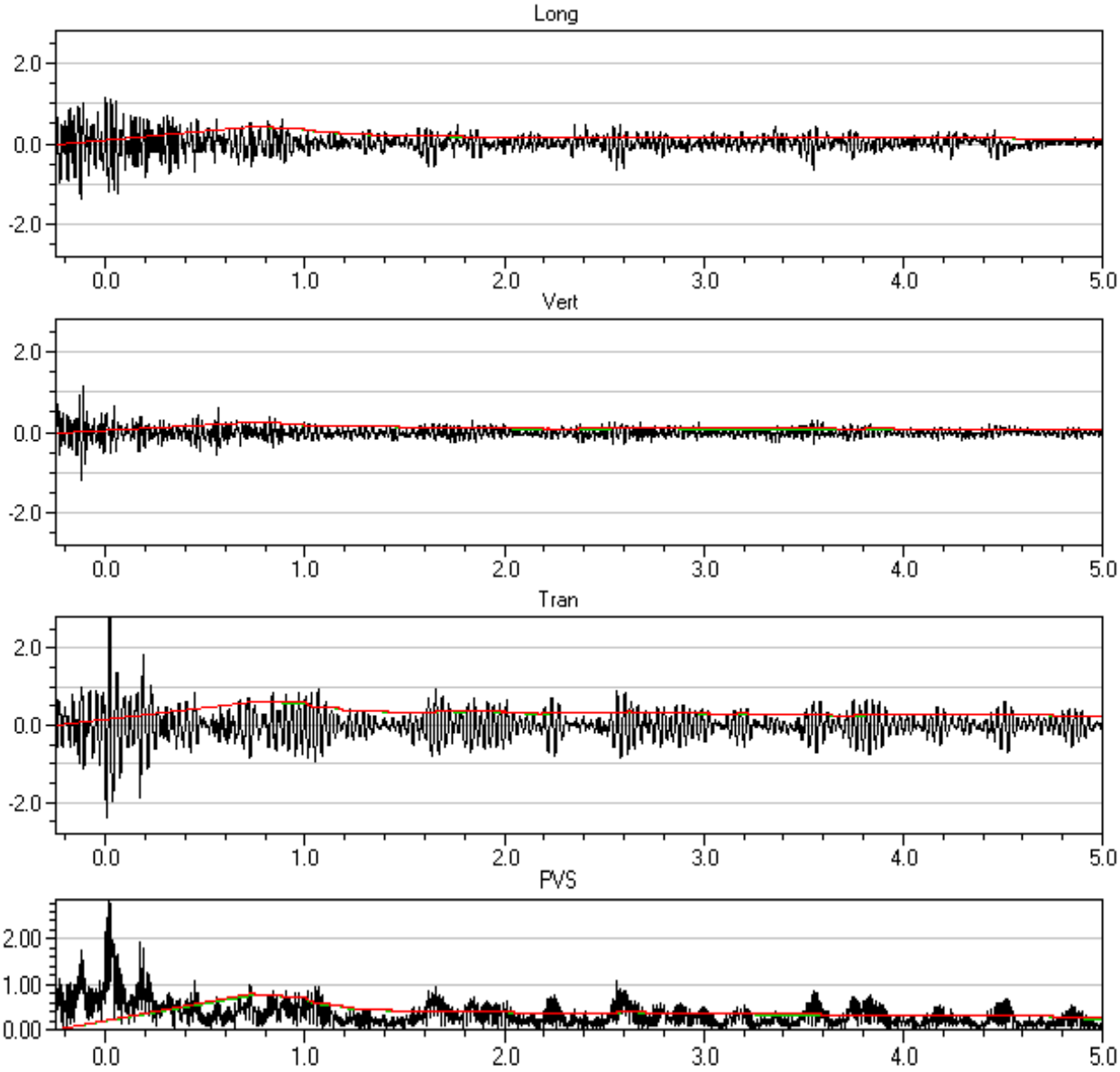



**BlastView RMS report. Generated: 19.5.2016 10:33:31** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 15, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 22:28:58 | *File Name:* | R269GDEE.GA0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

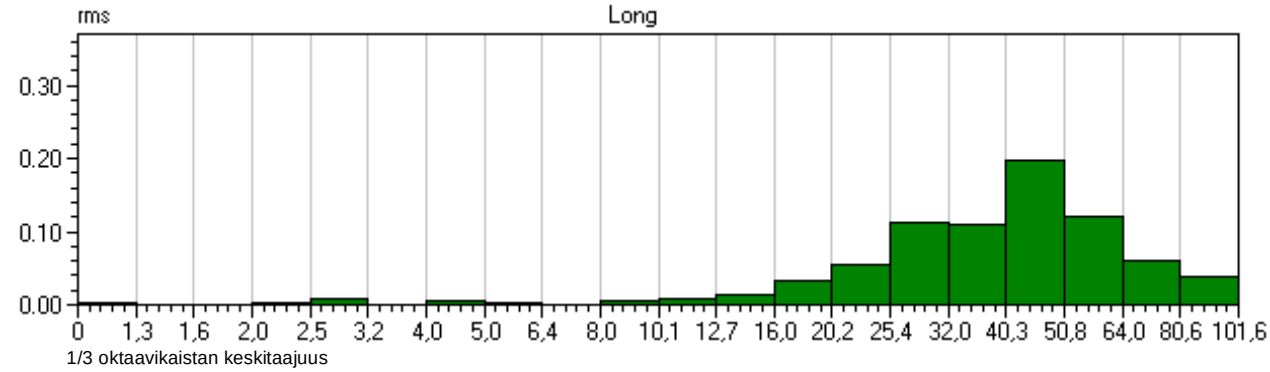
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.81 | 1.19 | 1.38 | 2.90 | mm/s |
| *Freq* | 32 | 51 | 47 | | Hz |
| *Time of Peak* | 0.019 | -0.123 | -0.126 | 0.019 | Sec |
| *Peak Acceleration* | 0.0630 | 0.0481 | 0.0431 | | g |
| *Peak Displacement* | 0.0129 | 0.00405 | 0.00552 | | mm |
| *RMS (1s fw 5.6)* | **0,60** | **0,25** | **0,42** | **0,77** | mm/s |
| *RMS (1s)* | **0,61** | **0,25** | **0,43** | **0,79** | mm/s |

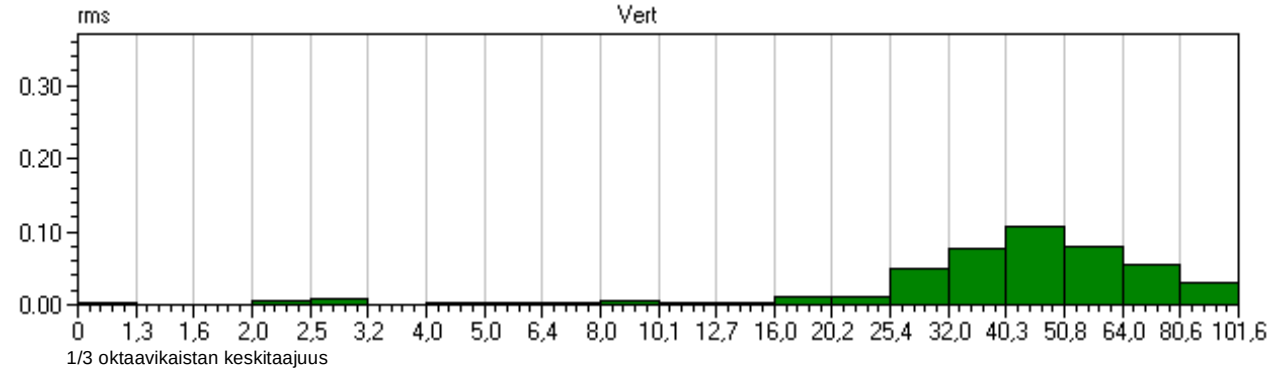


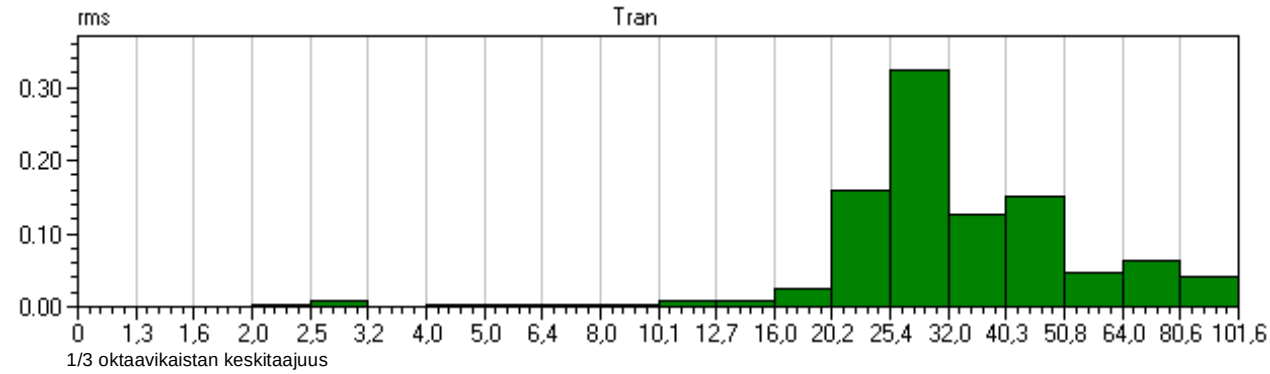
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:31** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 15, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 22:28:58 | *File Name:* | R269GDEE.GA0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.81 | 1.19 | 1.38 | 2.90 | mm/s |
| *Freq* | 32 | 51 | 47 | | Hz |
| *Time of Peak* | 0.019 | -0.123 | -0.126 | 0.019 | Sec |
| *Peak Acceleration* | 0.0630 | 0.0481 | 0.0431 | | g |
| *Peak Displacement* | 0.0129 | 0.00405 | 0.00552 | | mm |
| *RMS (1s fw 5.6)* | **0,60** | **0,25** | **0,42** | **0,77** | mm/s |
| *RMS (1s)* | **0,61** | **0,25** | **0,43** | **0,79** | mm/s |



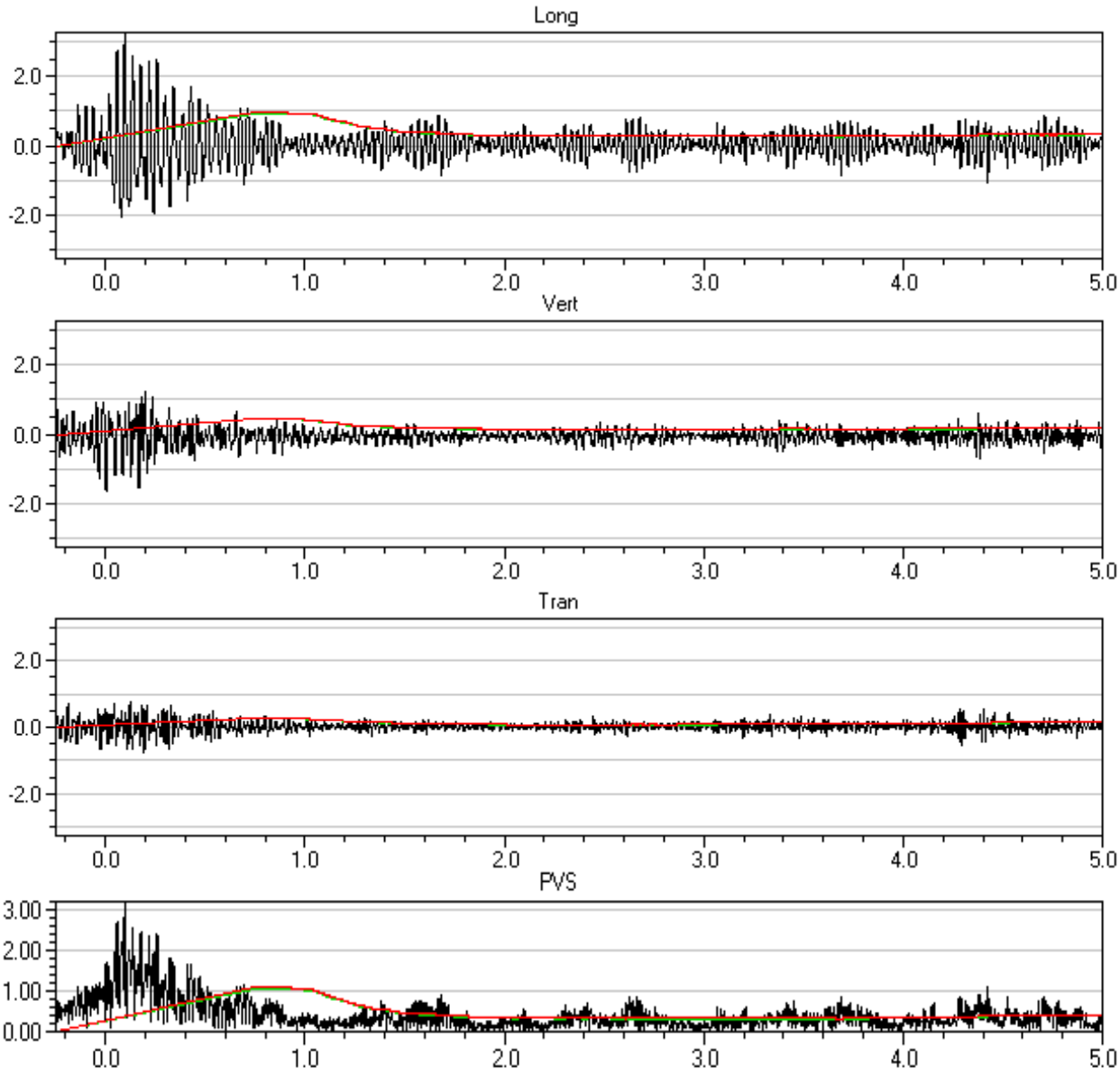



**BlastView RMS report. Generated: 19.5.2016 10:33:34** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 08:27:59 | *File Name:* | R269GDH0.UN0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

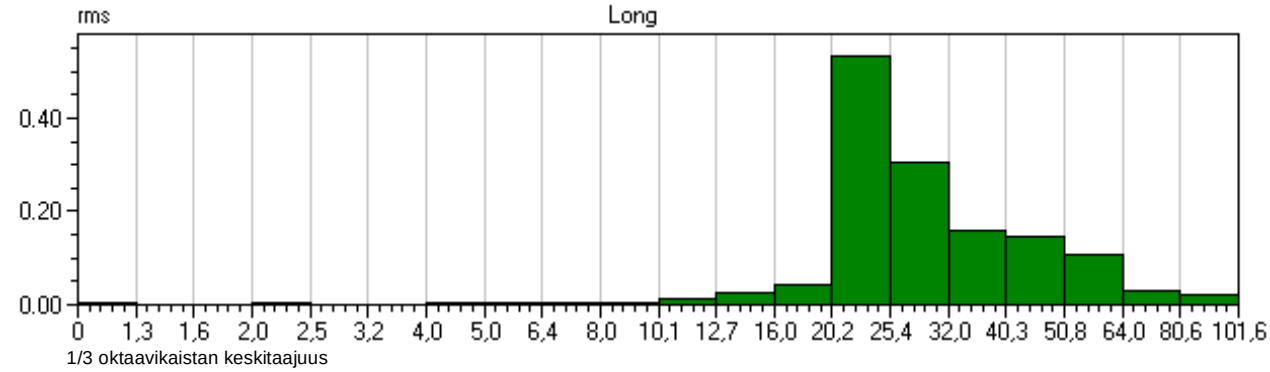
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.762 | 1.67 | 3.27 | 3.31 | mm/s |
| *Freq* | 43 | 30 | 30 | | Hz |
| *Time of Peak* | 0.191 | 0.002 | 0.095 | 0.095 | Sec |
| *Peak Acceleration* | 0.0265 | 0.0365 | 0.0630 | | g |
| *Peak Displacement* | 0.00310 | 0.00826 | 0.0167 | | mm |
| *RMS (1s fw 5.6)* | **0,27** | **0,46** | **0,93** | **1,07** | mm/s |
| *RMS (1s)* | **0,28** | **0,47** | **0,96** | **1,10** | mm/s |

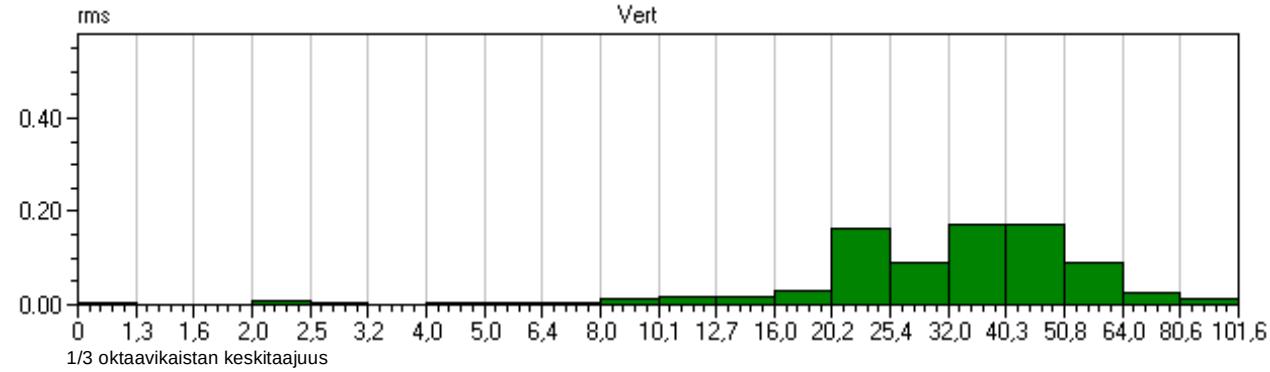


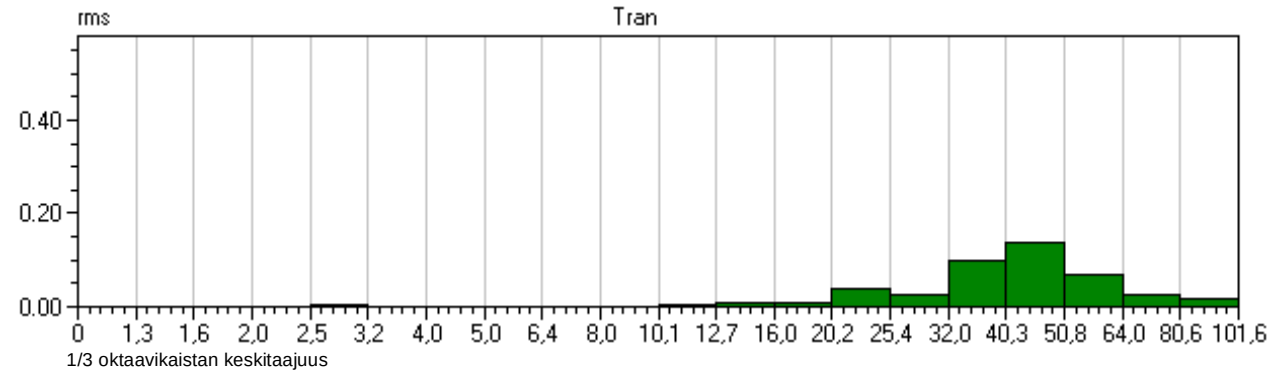
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:34** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 08:27:59 | *File Name:* | R269GDH0.UN0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.762 | 1.67 | 3.27 | 3.31 | mm/s |
| *Freq* | 43 | 30 | 30 | | Hz |
| *Time of Peak* | 0.191 | 0.002 | 0.095 | 0.095 | Sec |
| *Peak Acceleration* | 0.0265 | 0.0365 | 0.0630 | | g |
| *Peak Displacement* | 0.00310 | 0.00826 | 0.0167 | | mm |
| *RMS (1s fw 5.6)* | **0,27** | **0,46** | **0,93** | **1,07** | mm/s |
| *RMS (1s)* | **0,28** | **0,47** | **0,96** | **1,10** | mm/s |



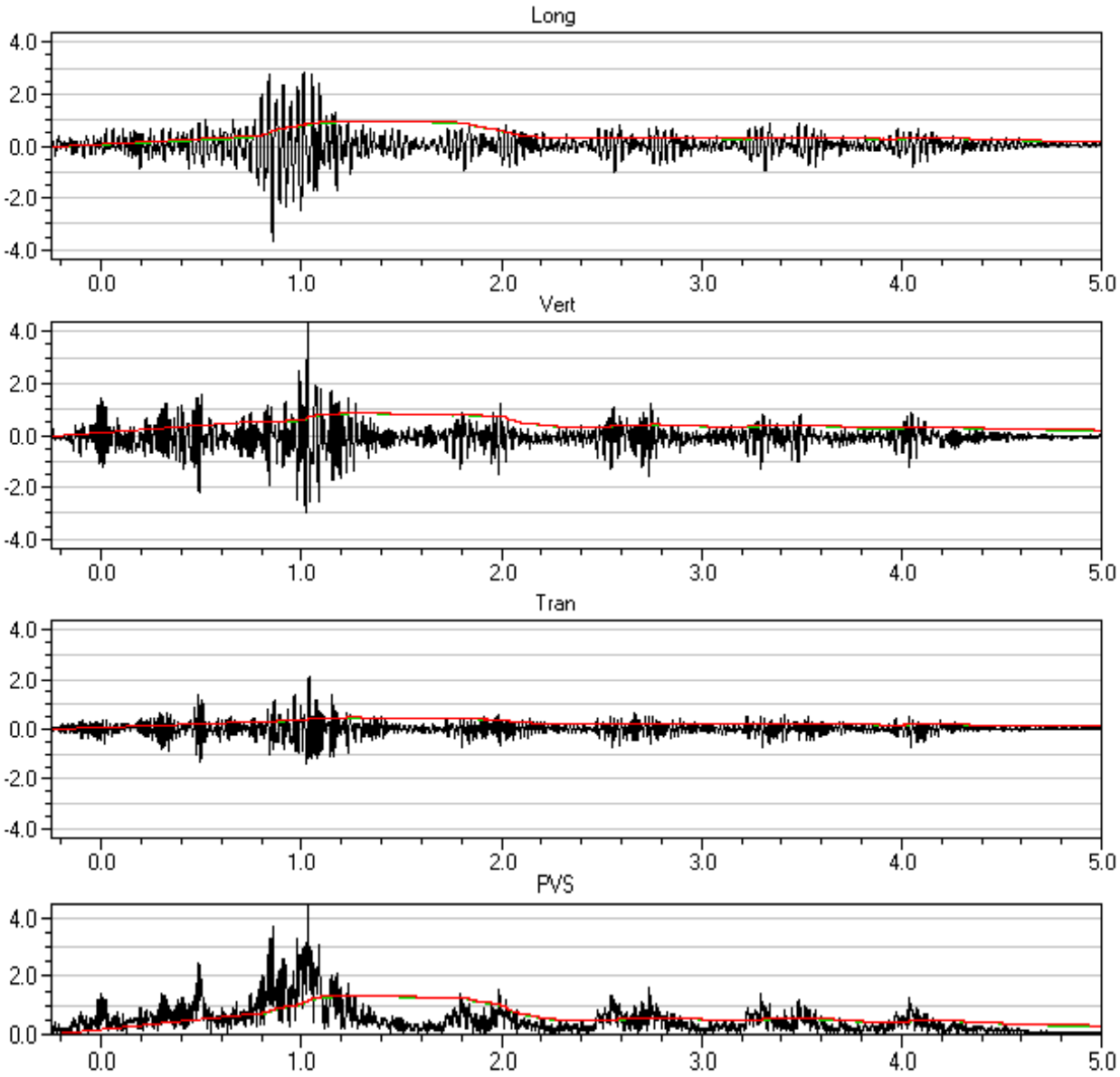



**BlastView RMS report. Generated: 19.5.2016 10:33:32** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 22:52:38 | *File Name:* | R269GDI4.VQ0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

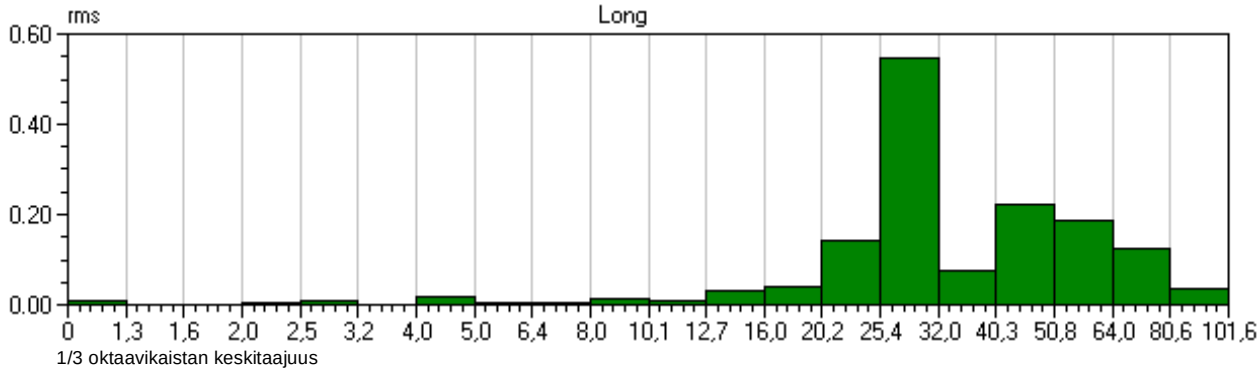
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.14 | 4.37 | 3.65 | 4.51 | mm/s |
| *Freq* | 47 | 43 | 34 | | Hz |
| *Time of Peak* | 1.037 | 1.030 | 0.854 | 1.030 | Sec |
| *Peak Acceleration* | 0.0563 | 0.118 | 0.0762 | | g |
| *Peak Displacement* | 0.00667 | 0.0162 | 0.0157 | | mm |
| *RMS (1s fw 5.6)* | **0,47** | **0,85** | **0,93** | **1,34** | mm/s |
| *RMS (1s)* | **0,48** | **0,87** | **0,95** | **1,37** | mm/s |

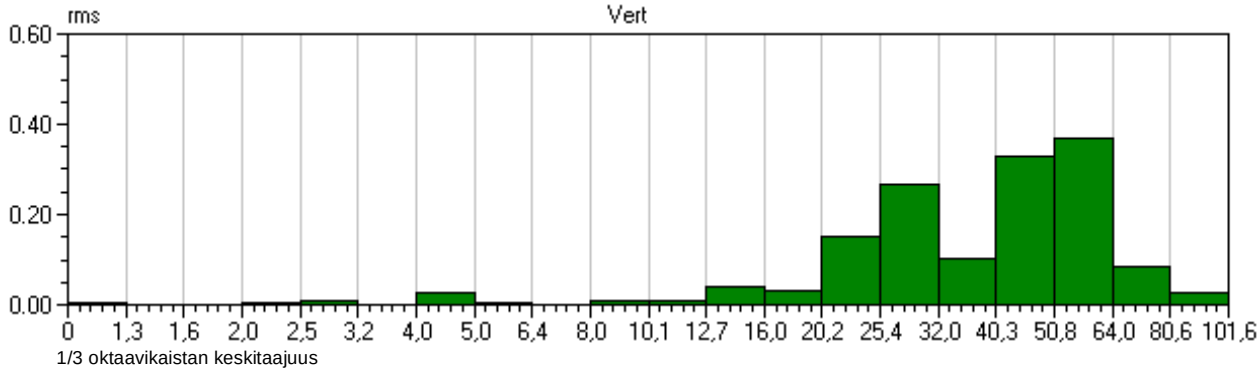


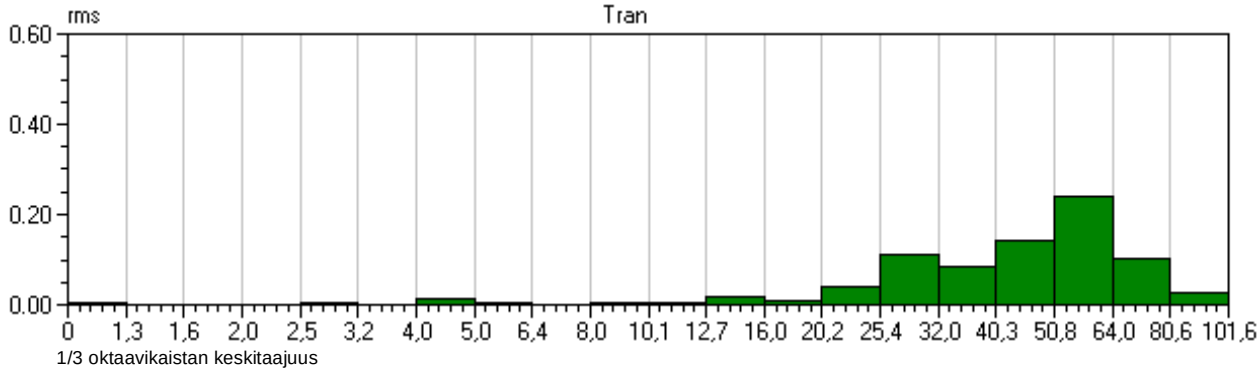
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:33:32** - **MP1**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE16269, V 10.10-8.17 MiniMate Plus |
| *Event Time:* | 22:52:38 | *File Name:* | R269GDI4.VQ0W |
| *Location:* | Hollonranta, linja 1, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | September 24, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.14 | 4.37 | 3.65 | 4.51 | mm/s |
| *Freq* | 47 | 43 | 34 | | Hz |
| *Time of Peak* | 1.037 | 1.030 | 0.854 | 1.030 | Sec |
| *Peak Acceleration* | 0.0563 | 0.118 | 0.0762 | | g |
| *Peak Displacement* | 0.00667 | 0.0162 | 0.0157 | | mm |
| *RMS (1s fw 5.6)* | **0,47** | **0,85** | **0,93** | **1,34** | mm/s |
| *RMS (1s)* | **0,48** | **0,87** | **0,95** | **1,37** | mm/s |



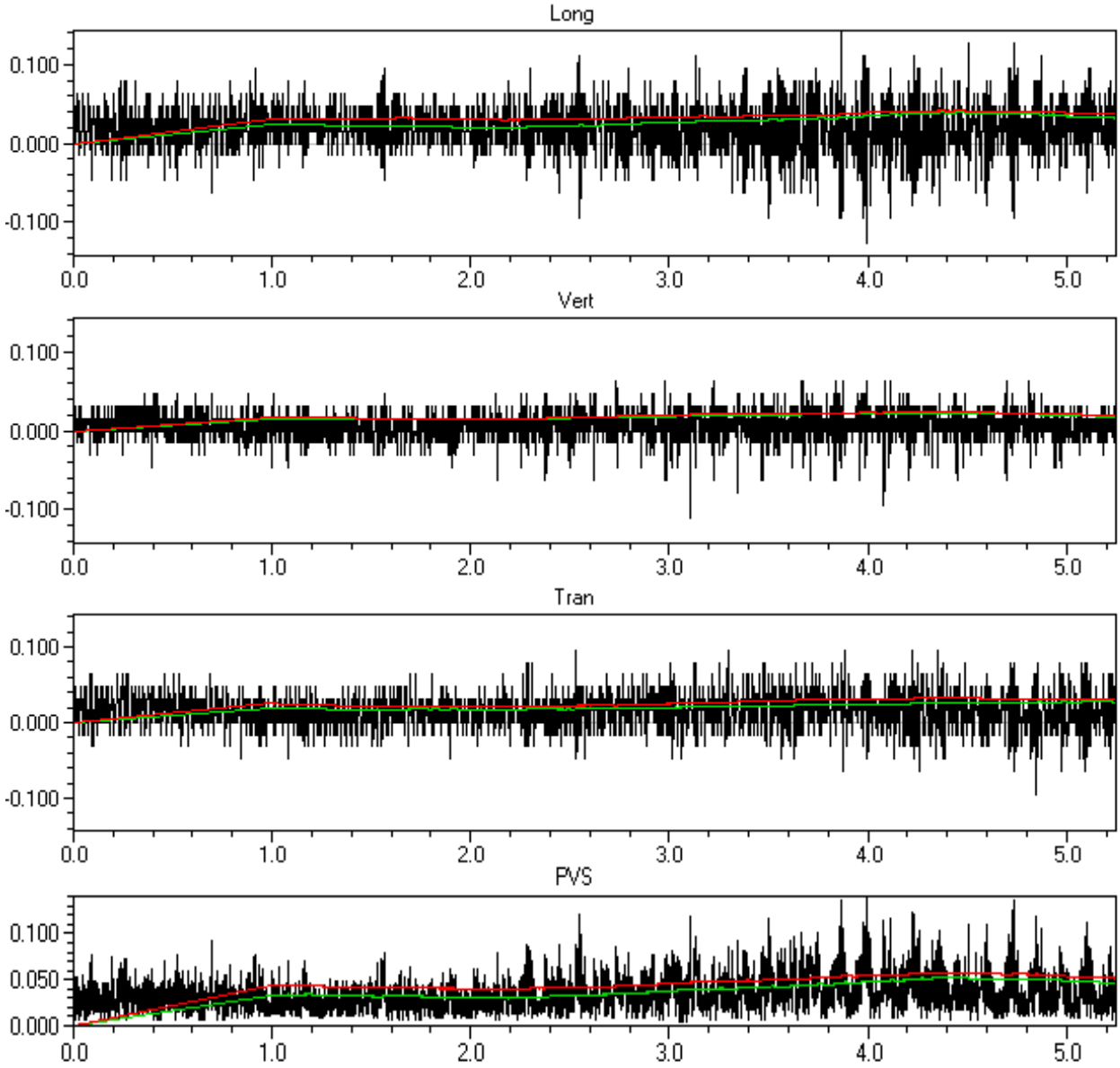



**BlastView RMS report. Generated: 19.5.2016 10:41:27** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 02:52:21 | *File Name:* | I911GD5H.B90 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

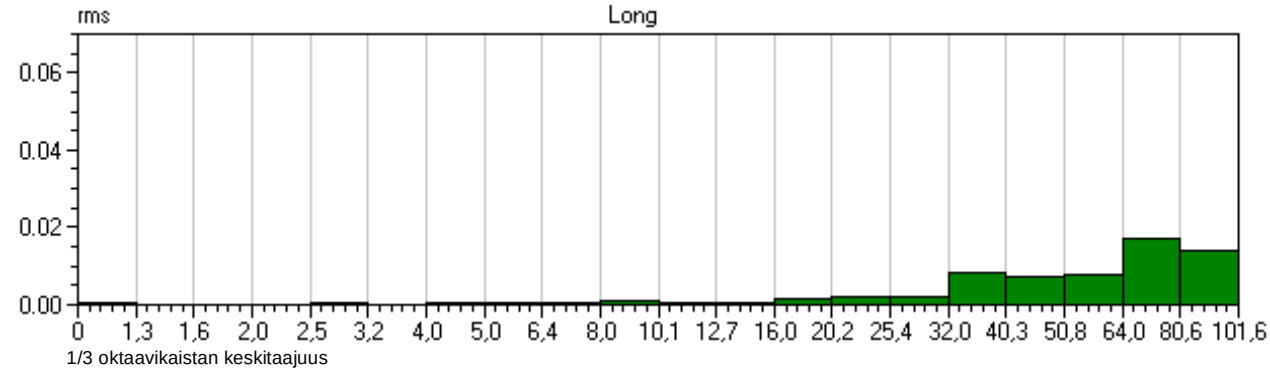
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.111 | 0.143 | 0.147 | mm/s |
| *Freq* | 73 | >100 | 73 | | Hz |
| *Time of Peak* | 2.276 | 2.853 | 3.613 | 3.613 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00033 | 0.00018 | 0.00032 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |

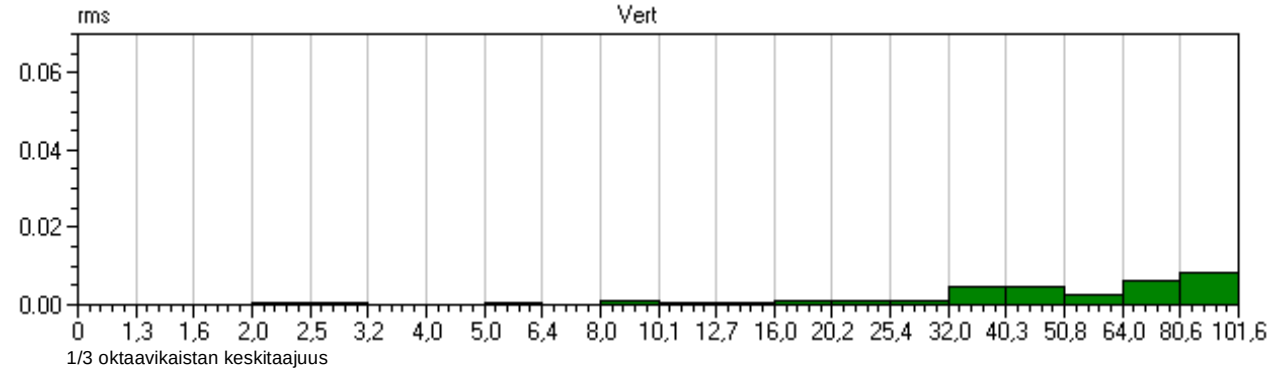


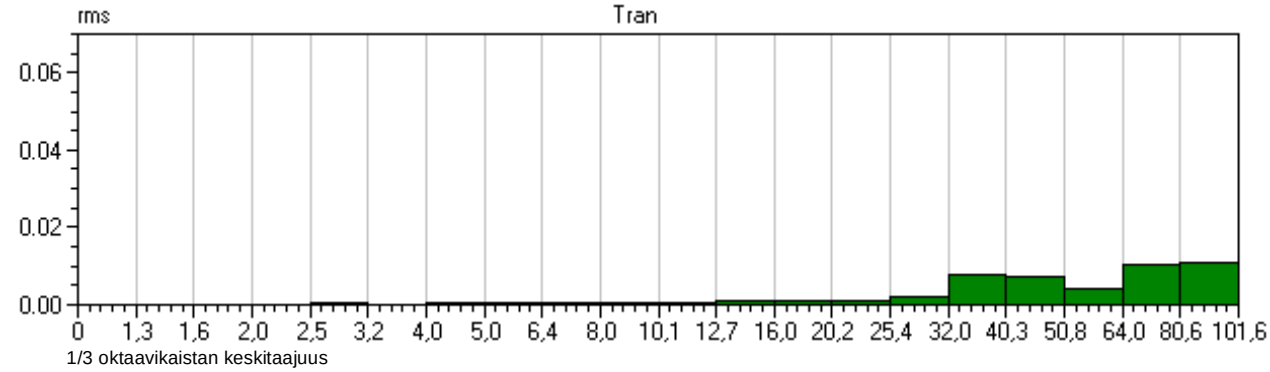
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:28** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 02:52:21 | *File Name:* | I911GD5H.B90 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.111 | 0.143 | 0.147 | mm/s |
| *Freq* | 73 | >100 | 73 | | Hz |
| *Time of Peak* | 2.276 | 2.853 | 3.613 | 3.613 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00033 | 0.00018 | 0.00032 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |



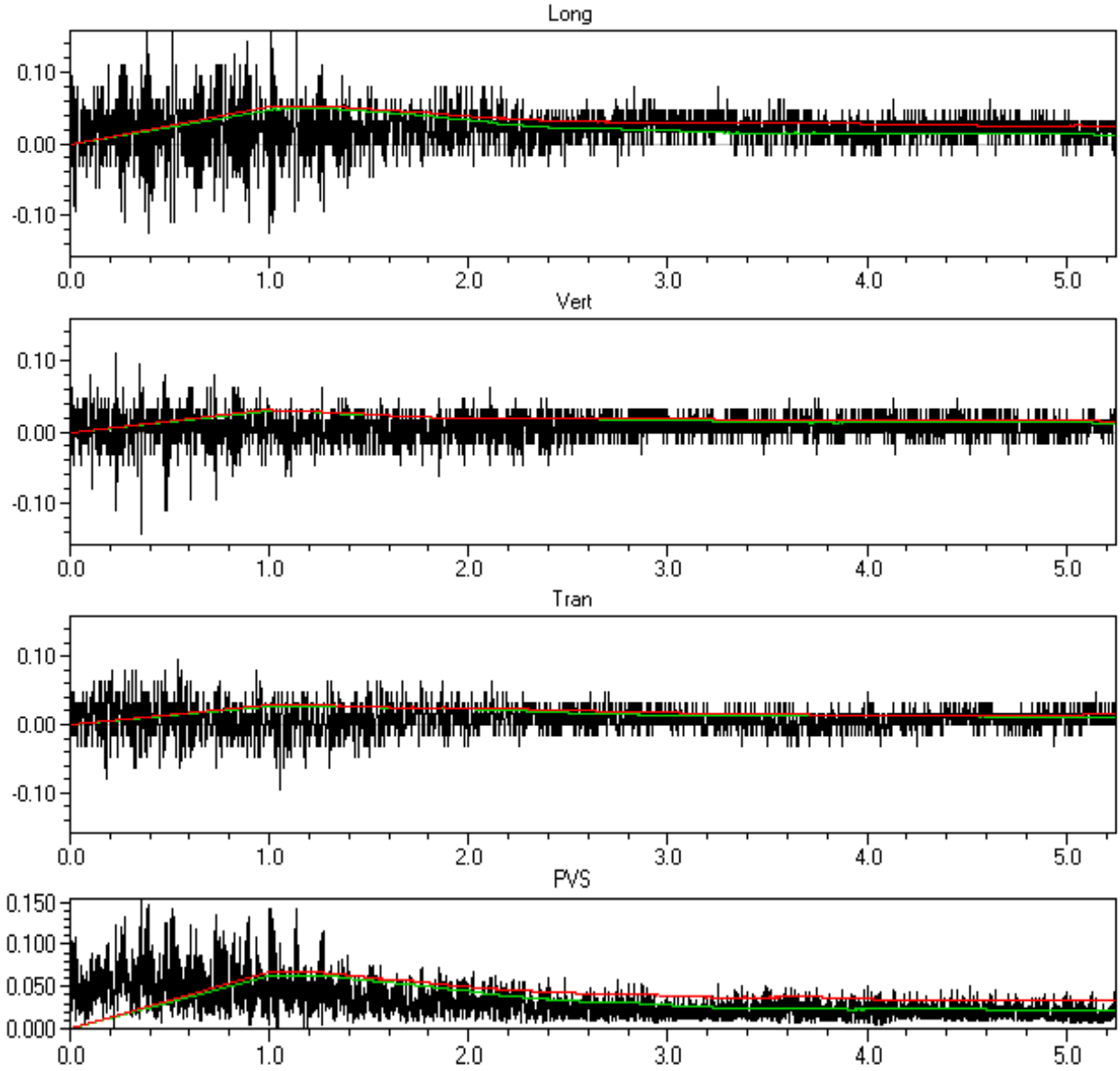



**BlastView RMS report. Generated: 19.5.2016 10:41:29** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:24:02 | *File Name:* | I911GD8L.W20 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

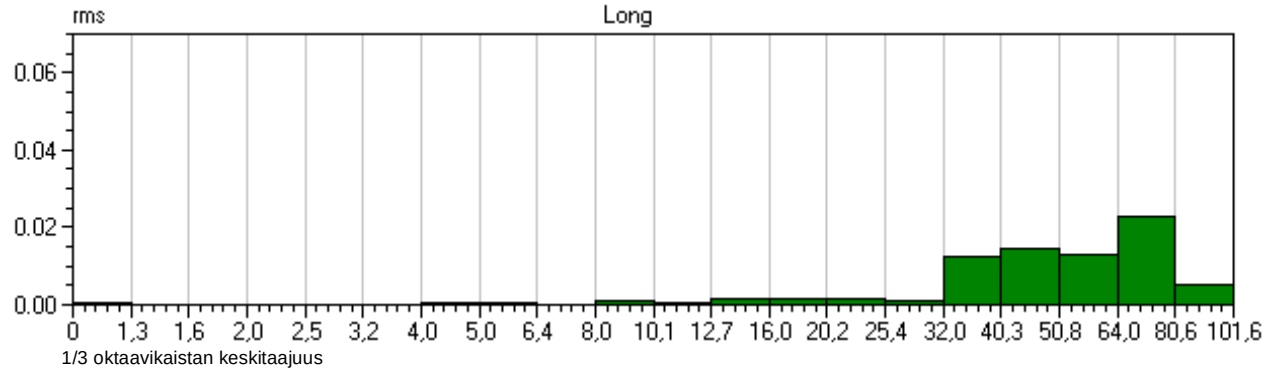
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.143 | 0.159 | 0.163 | mm/s |
| *Freq* | 73 | >100 | 51 | | Hz |
| *Time of Peak* | 0.293 | 0.105 | 0.137 | 0.137 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00025 | 0.00026 | 0.00047 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,05** | **0,06** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,05** | **0,07** | mm/s |

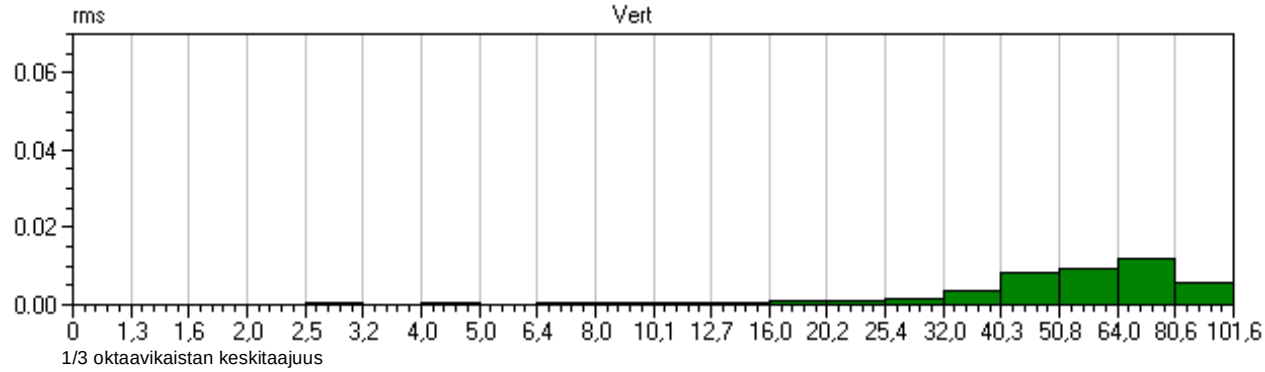


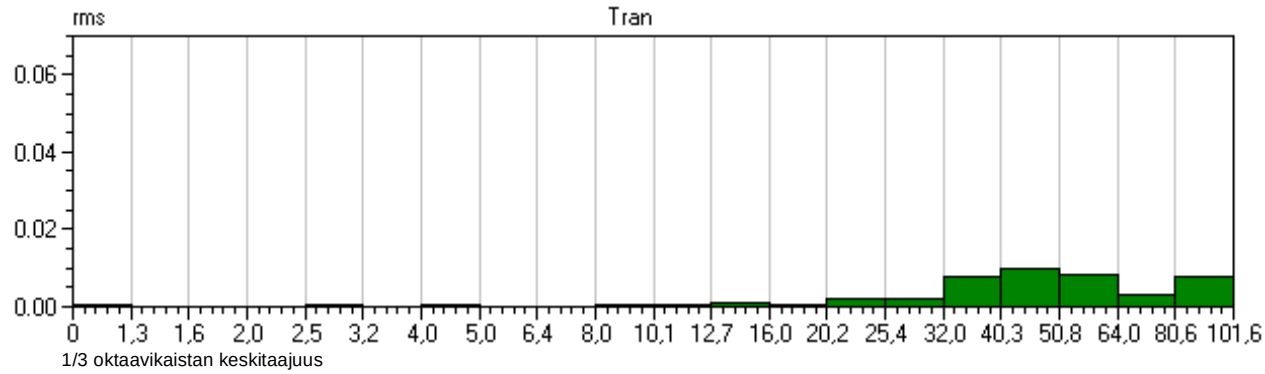
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:29** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:24:02 | *File Name:* | I911GD8L.W20 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.143 | 0.159 | 0.163 | mm/s |
| *Freq* | 73 | >100 | 51 | | Hz |
| *Time of Peak* | 0.293 | 0.105 | 0.137 | 0.137 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00025 | 0.00026 | 0.00047 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,05** | **0,06** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,05** | **0,07** | mm/s |



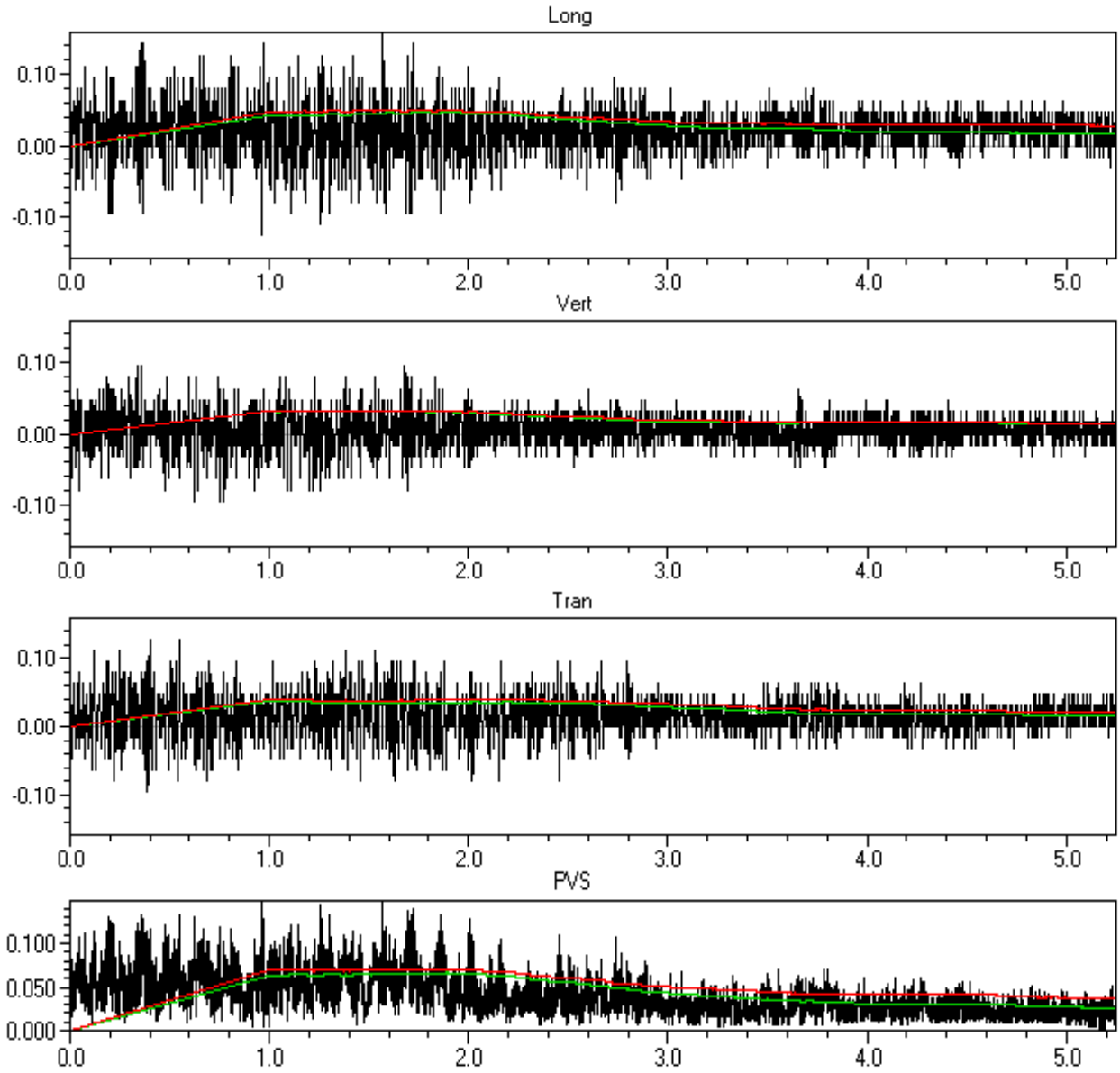



**BlastView RMS report. Generated: 19.5.2016 10:41:33** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 07:17:32 | *File Name:* | I911GD9I.X80 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

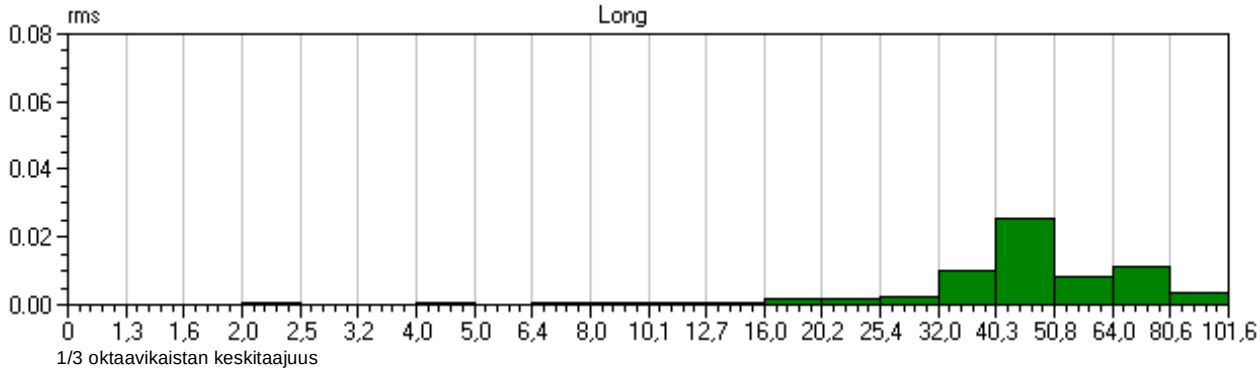
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0952 | 0.159 | 0.160 | mm/s |
| *Freq* | 43 | 73 | 57 | | Hz |
| *Time of Peak* | 0.149 | 0.084 | 1.319 | 0.104 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00044 | 0.00021 | 0.00047 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,03** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,05** | **0,07** | mm/s |

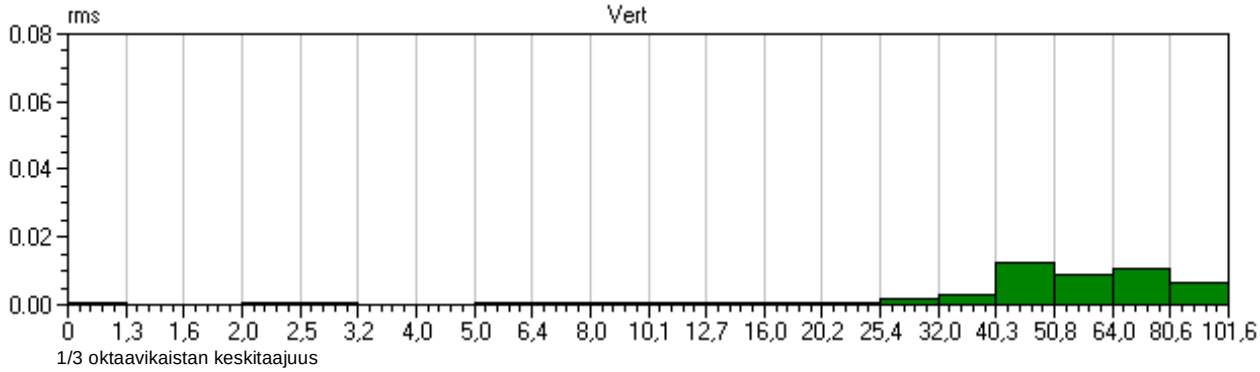


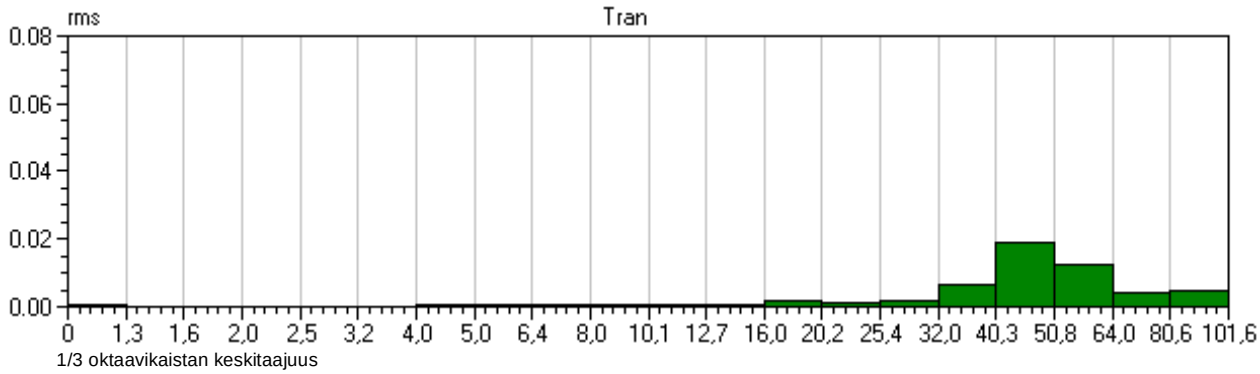
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:33** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 07:17:32 | *File Name:* | I911GD9I.X80 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0952 | 0.159 | 0.160 | mm/s |
| *Freq* | 43 | 73 | 57 | | Hz |
| *Time of Peak* | 0.149 | 0.084 | 1.319 | 0.104 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00044 | 0.00021 | 0.00047 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,03** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,05** | **0,07** | mm/s |



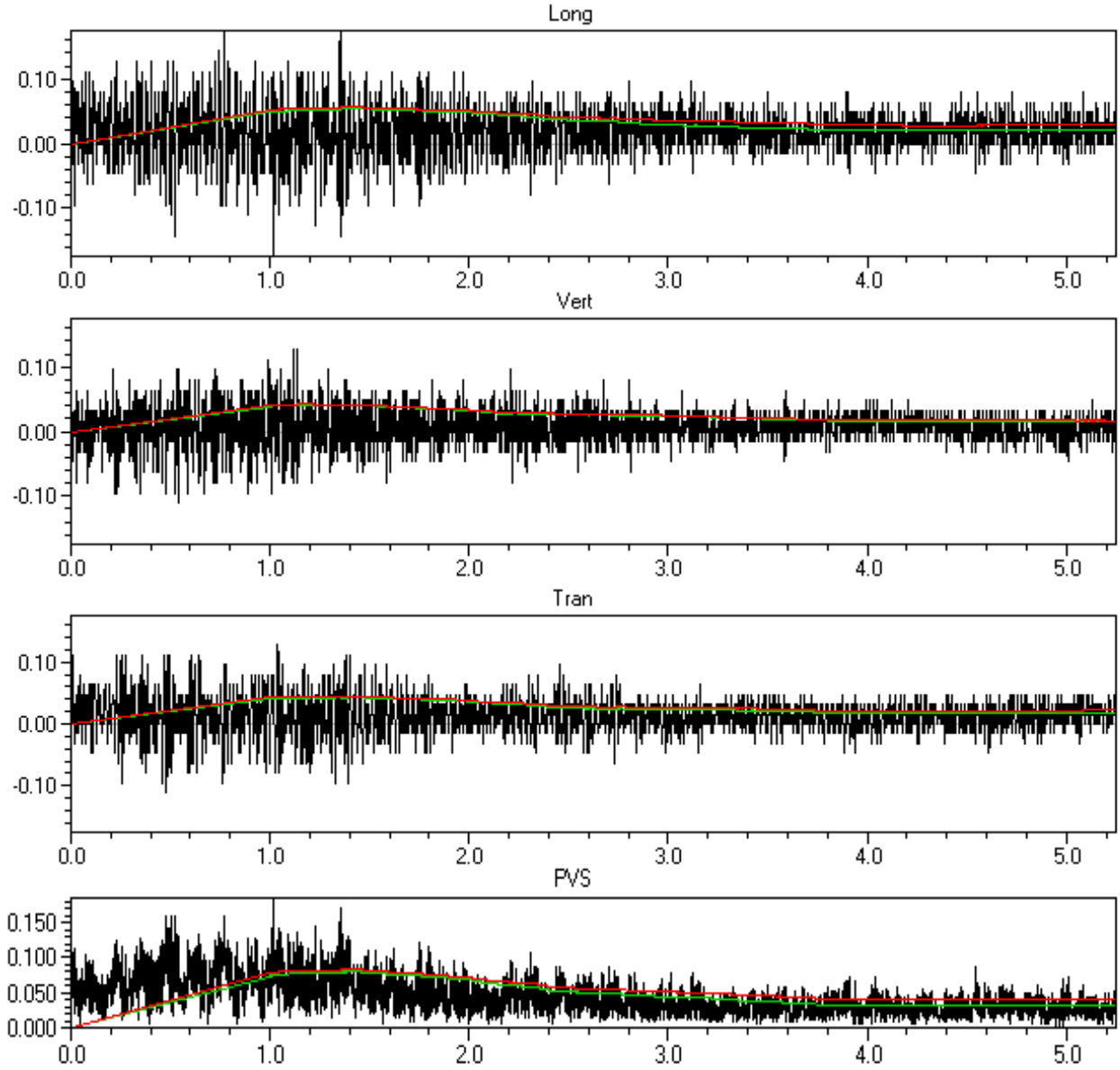



**BlastView RMS report. Generated: 19.5.2016 10:41:31** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:21:24 | *File Name:* | I911GDAG.FO0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

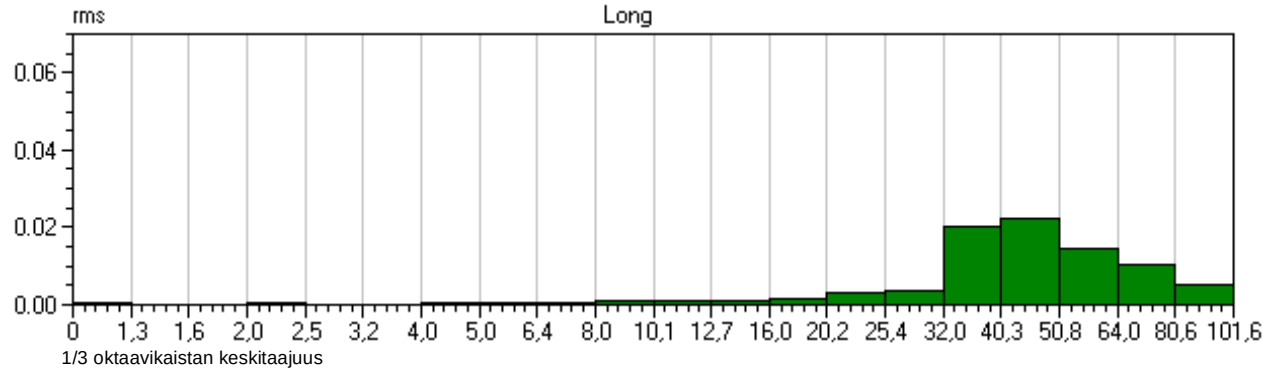
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.127 | 0.175 | 0.178 | mm/s |
| *Freq* | 47 | 85 | 51 | | Hz |
| *Time of Peak* | 0.788 | 0.867 | 0.517 | 1.102 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00043 | 0.00030 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,04** | **0,05** | **0,08** | mm/s |
| *RMS (1s)* | **0,05** | **0,04** | **0,06** | **0,08** | mm/s |

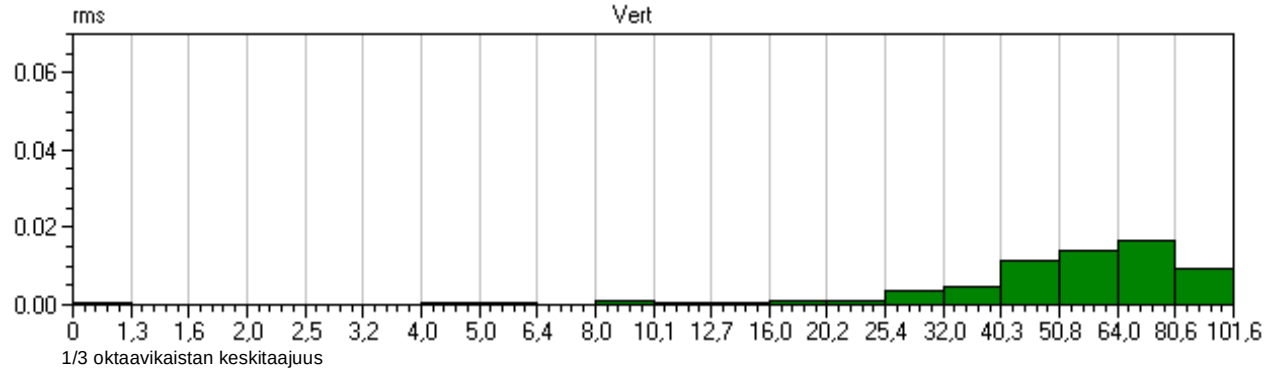


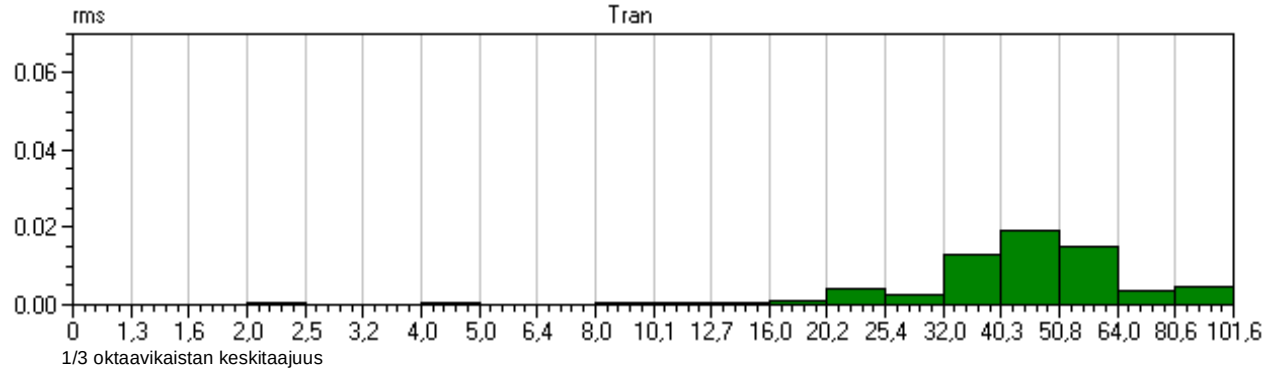
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:31** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:21:24 | *File Name:* | I911GDAG.FO0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.127 | 0.175 | 0.178 | mm/s |
| *Freq* | 47 | 85 | 51 | | Hz |
| *Time of Peak* | 0.788 | 0.867 | 0.517 | 1.102 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00043 | 0.00030 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,04** | **0,05** | **0,08** | mm/s |
| *RMS (1s)* | **0,05** | **0,04** | **0,06** | **0,08** | mm/s |



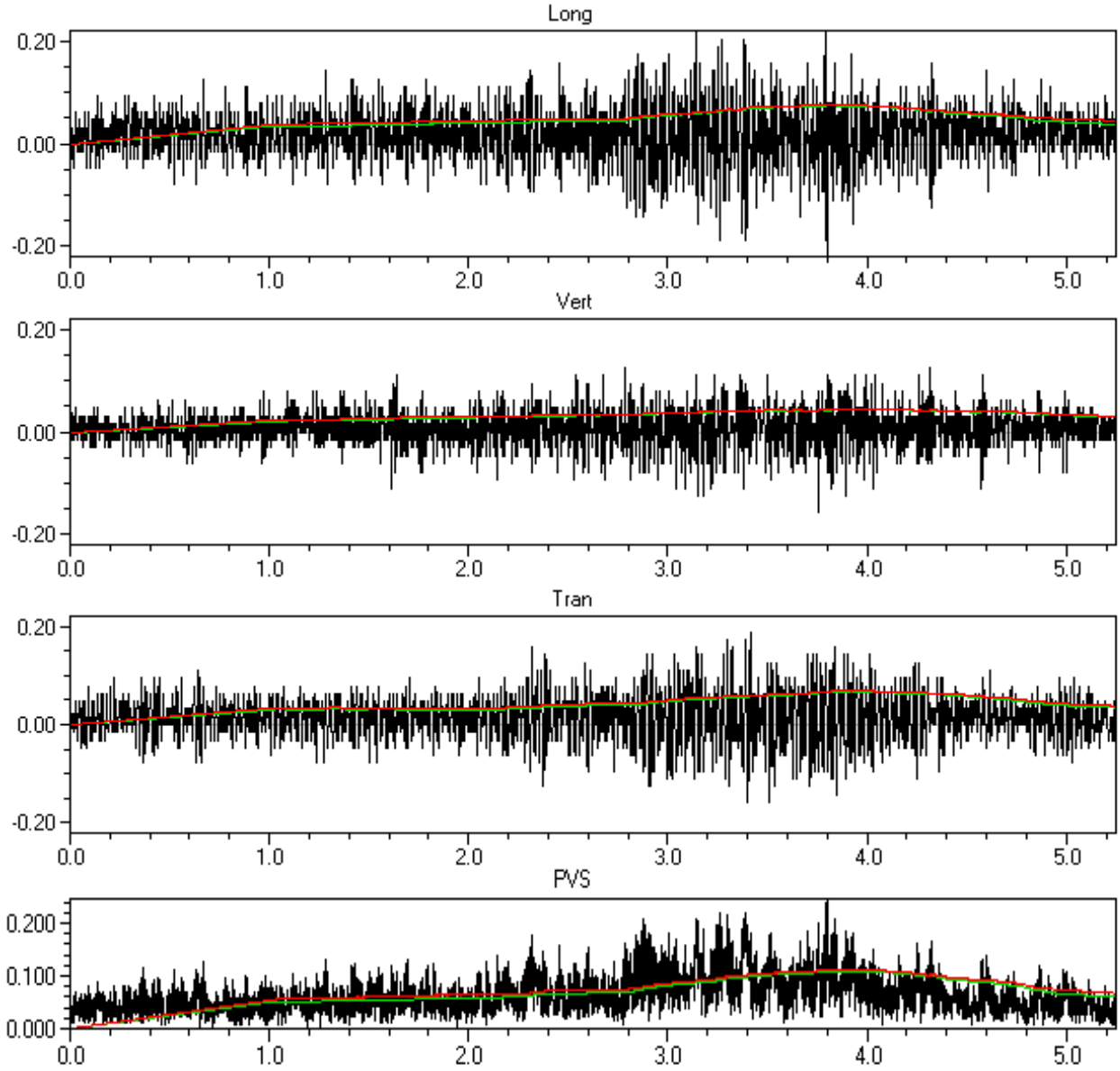



**BlastView RMS report. Generated: 19.5.2016 10:41:35** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:41:45 | *File Name:* | I911GDBN.1L0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

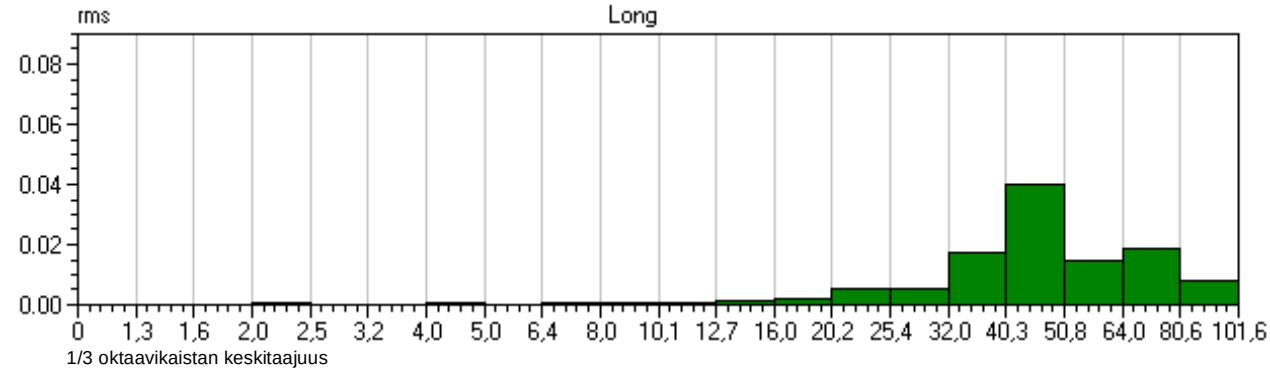
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.190 | 0.159 | 0.222 | 0.256 | mm/s |
| *Freq* | 51 | 73 | 51 | | Hz |
| *Time of Peak* | 3.163 | 3.508 | 2.890 | 3.540 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00061 | 0.00033 | 0.00078 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,04** | **0,08** | **0,11** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,08** | **0,11** | mm/s |

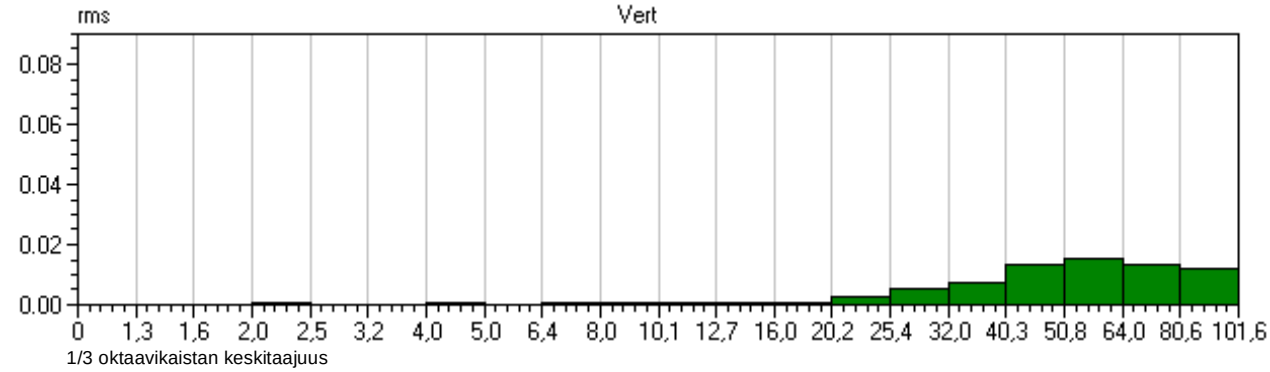


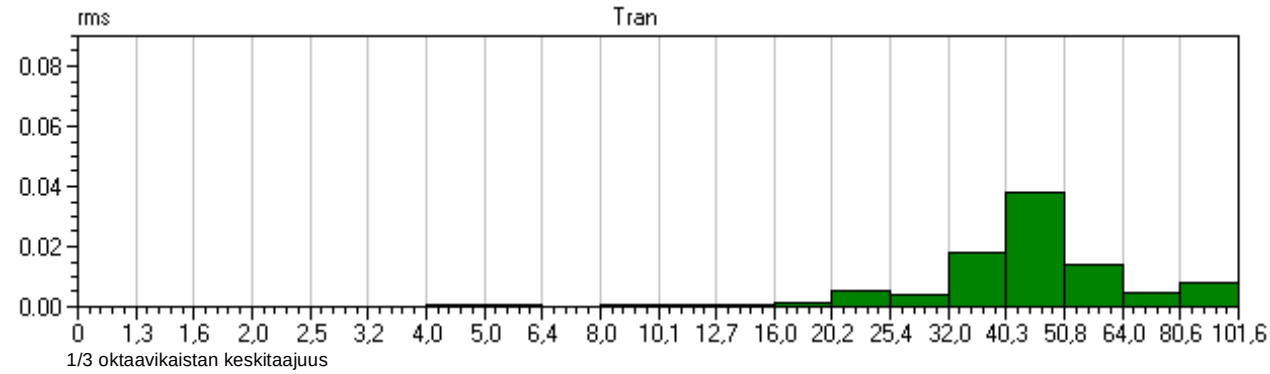
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:35** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:41:45 | *File Name:* | I911GDBN.1L0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.190 | 0.159 | 0.222 | 0.256 | mm/s |
| *Freq* | 51 | 73 | 51 | | Hz |
| *Time of Peak* | 3.163 | 3.508 | 2.890 | 3.540 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00061 | 0.00033 | 0.00078 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,04** | **0,08** | **0,11** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,08** | **0,11** | mm/s |



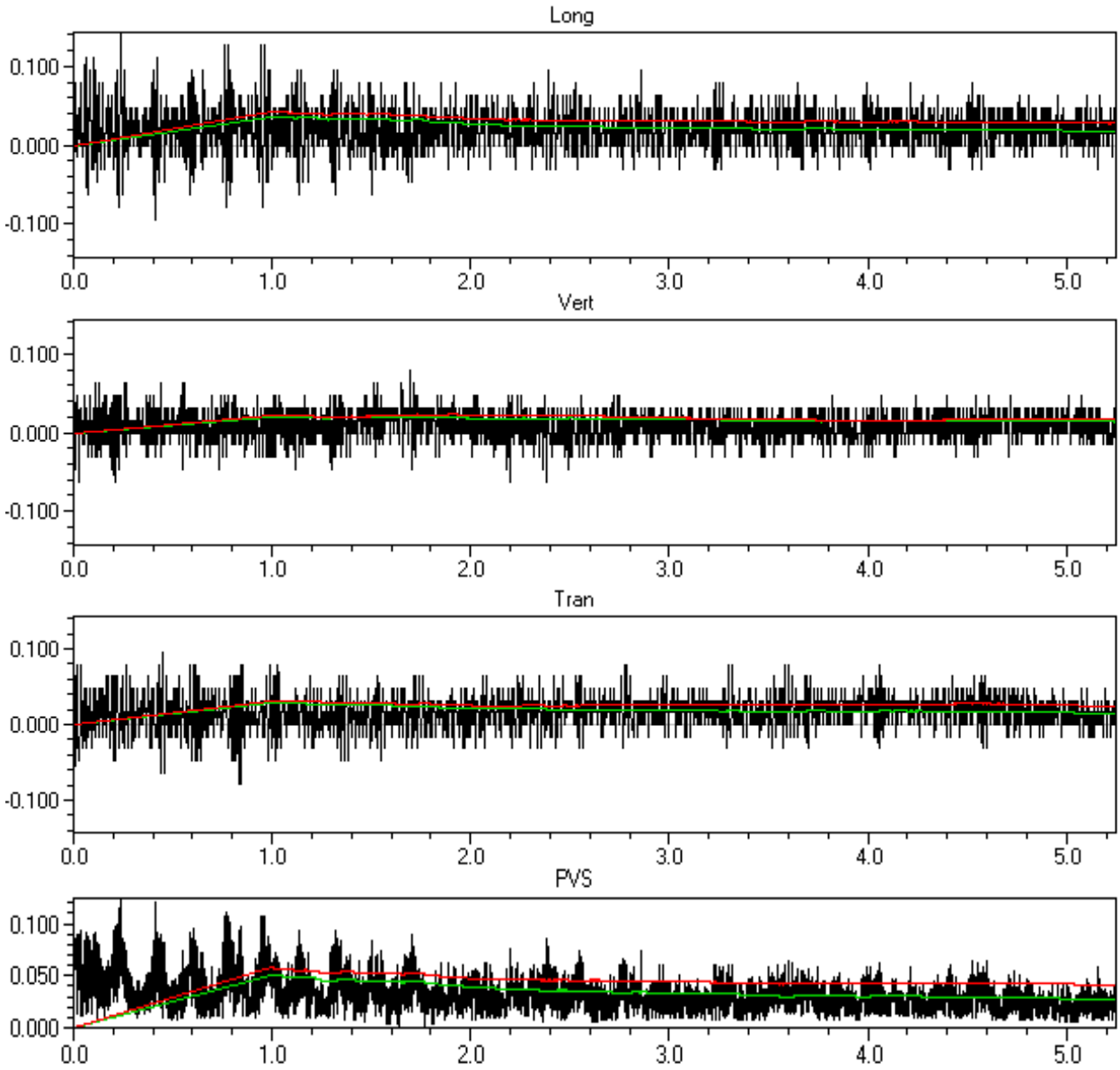



**BlastView RMS report. Generated: 19.5.2016 10:41:36** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 17:16:24 | *File Name:* | I911GDC5.BC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

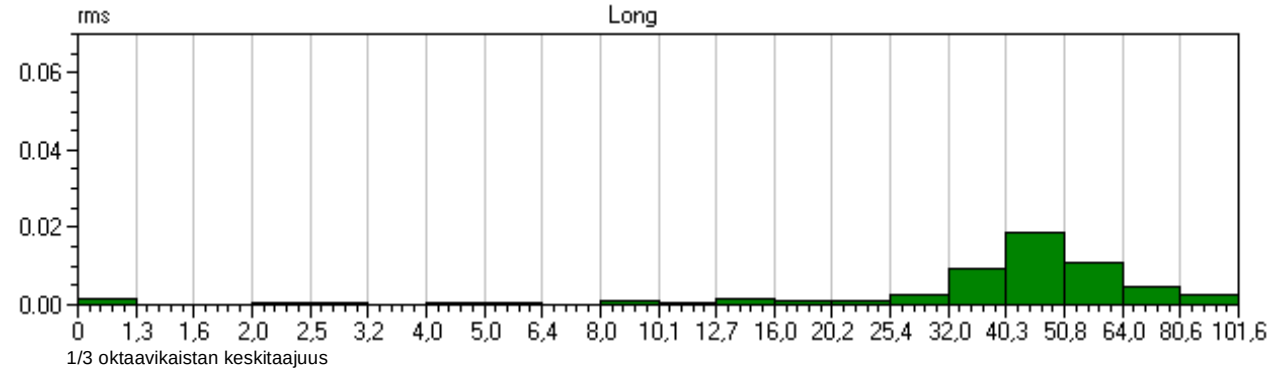
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.143 | 0.143 | mm/s |
| *Freq* | 57 | 51 | 43 | | Hz |
| *Time of Peak* | 0.197 | 1.442 | -0.013 | -0.013 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00829 | | g |
| *Peak Displacement* | 0.00033 | 0.00022 | 0.00050 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |

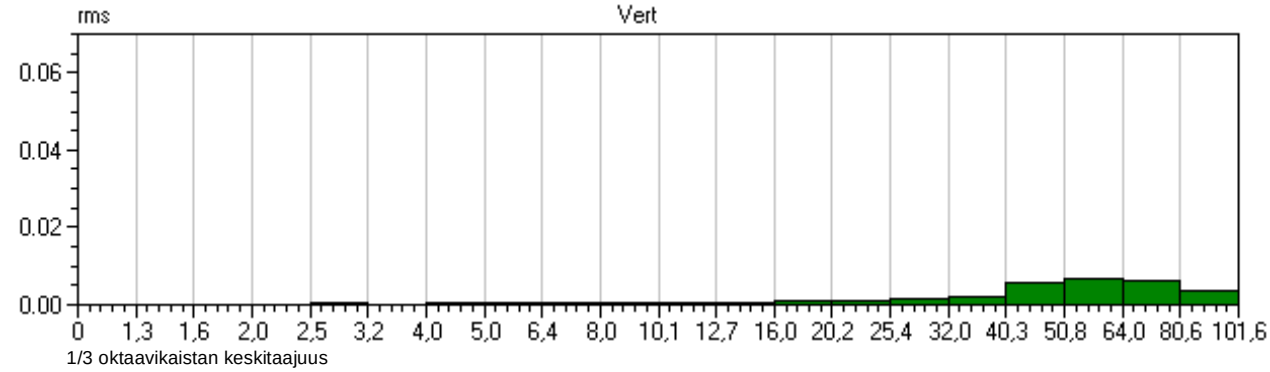


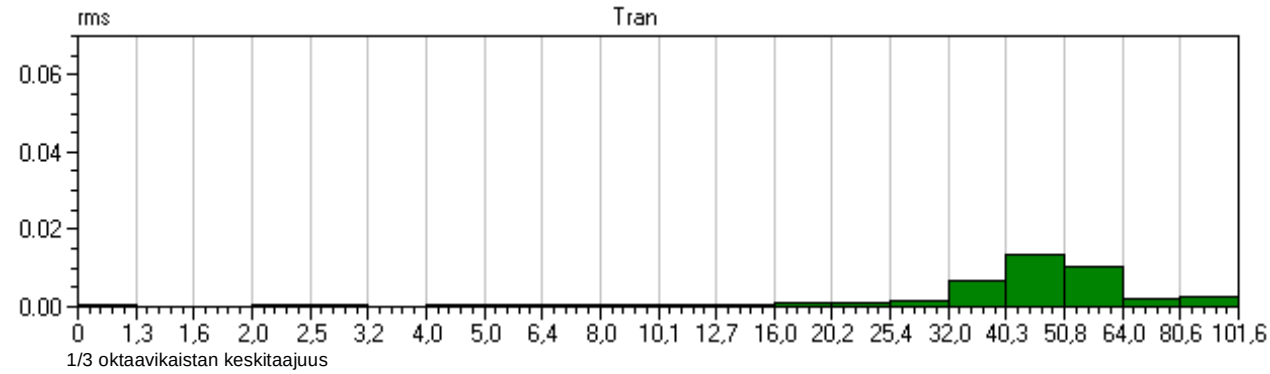
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:37** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 17:16:24 | *File Name:* | I911GDC5.BC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.143 | 0.143 | mm/s |
| *Freq* | 57 | 51 | 43 | | Hz |
| *Time of Peak* | 0.197 | 1.442 | -0.013 | -0.013 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00829 | | g |
| *Peak Displacement* | 0.00033 | 0.00022 | 0.00050 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |



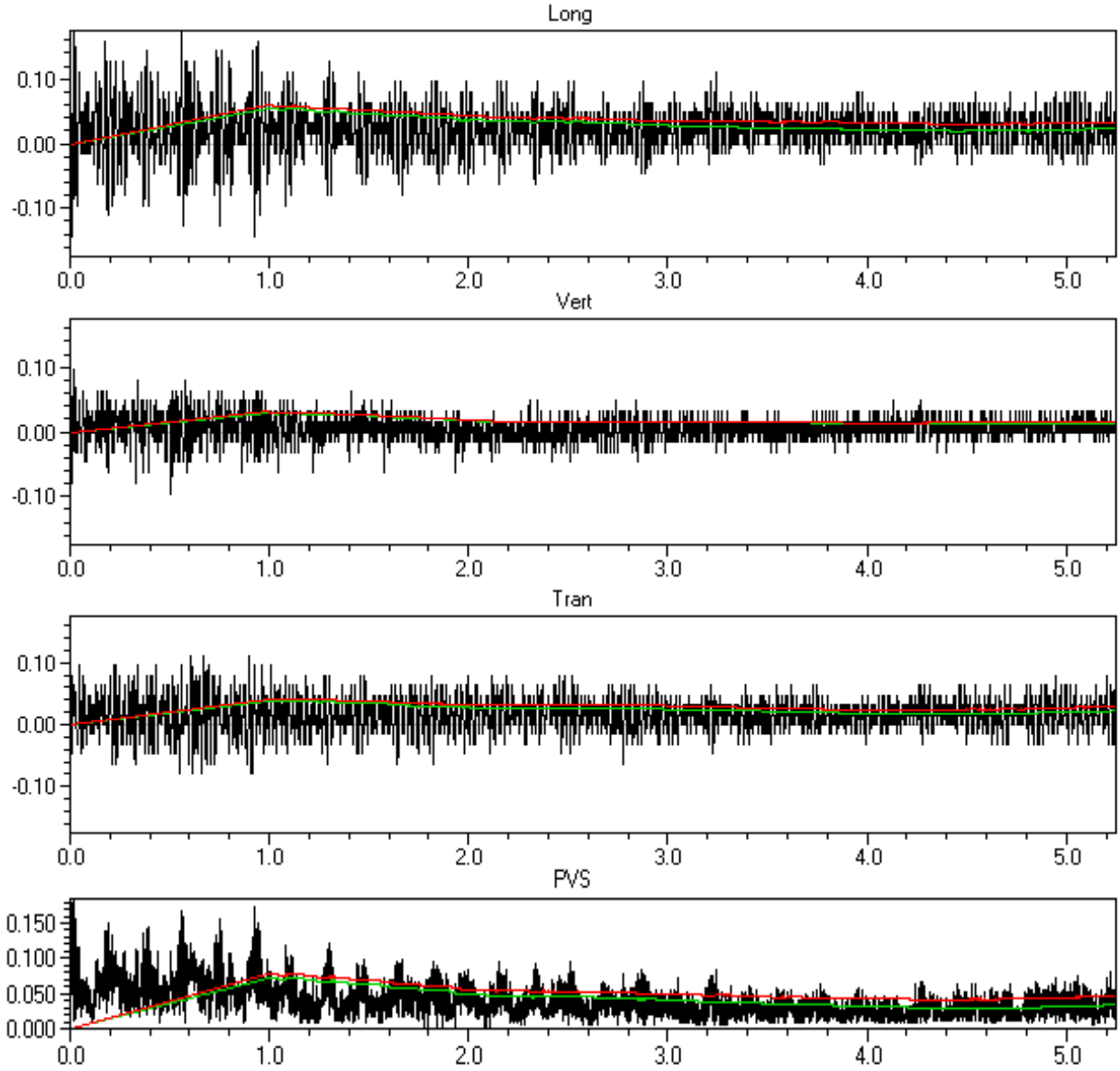



**BlastView RMS report. Generated: 19.5.2016 10:41:38** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 17:16:36 | *File Name:* | I911GDC5.BO0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

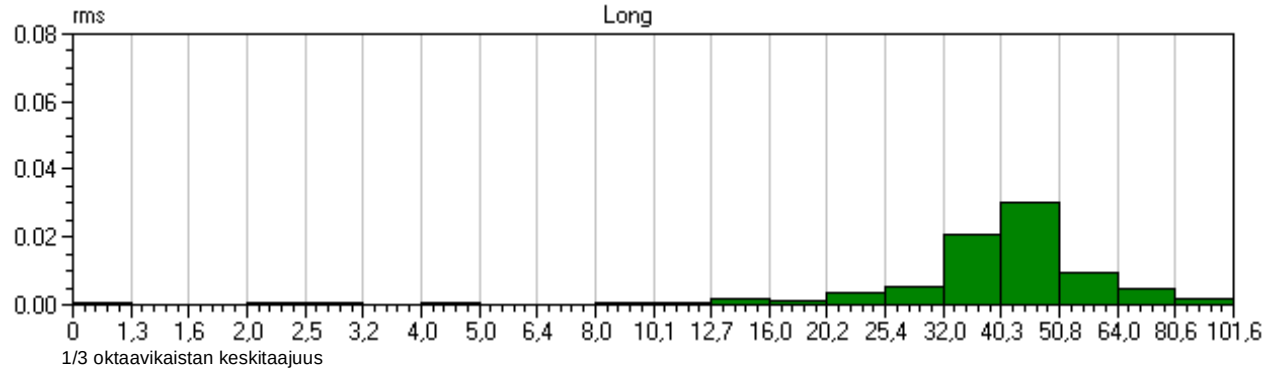
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0952 | 0.175 | 0.202 | mm/s |
| *Freq* | 39 | 43 | 43 | | Hz |
| *Time of Peak* | 0.356 | -0.230 | -0.229 | -0.229 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00829 | | g |
| *Peak Displacement* | 0.00042 | 0.00032 | 0.00064 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,03** | **0,06** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,06** | **0,08** | mm/s |

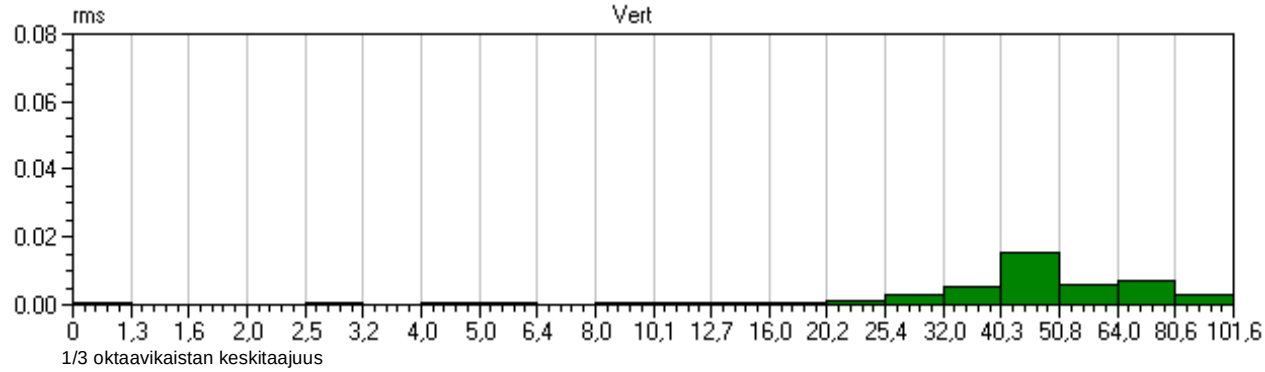


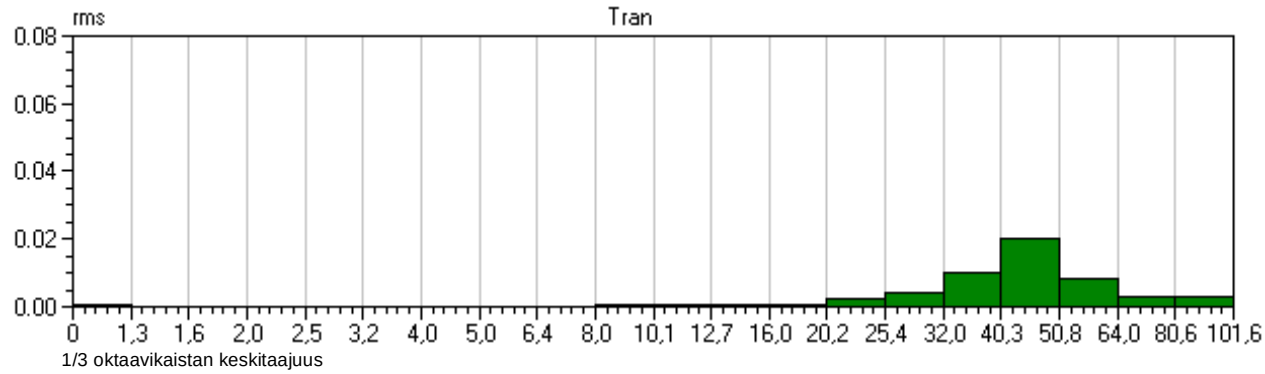
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:38** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 14, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 17:16:36 | *File Name:* | I911GDC5.BO0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0952 | 0.175 | 0.202 | mm/s |
| *Freq* | 39 | 43 | 43 | | Hz |
| *Time of Peak* | 0.356 | -0.230 | -0.229 | -0.229 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00829 | | g |
| *Peak Displacement* | 0.00042 | 0.00032 | 0.00064 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,03** | **0,06** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,06** | **0,08** | mm/s |



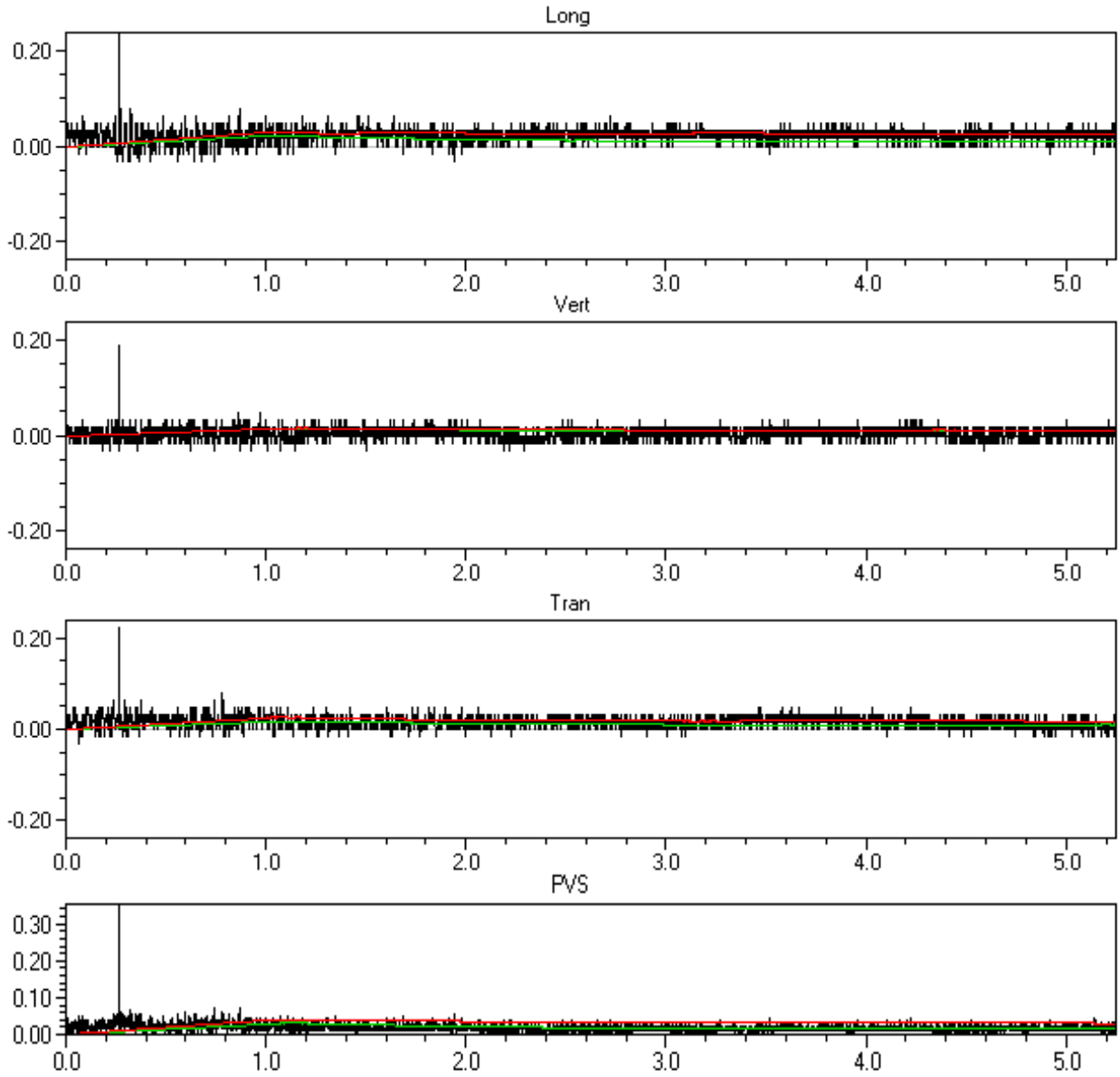



**BlastView RMS report. Generated: 19.5.2016 10:41:40** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 15, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 09:17:35 | *File Name:* | I911GDDD.TB0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

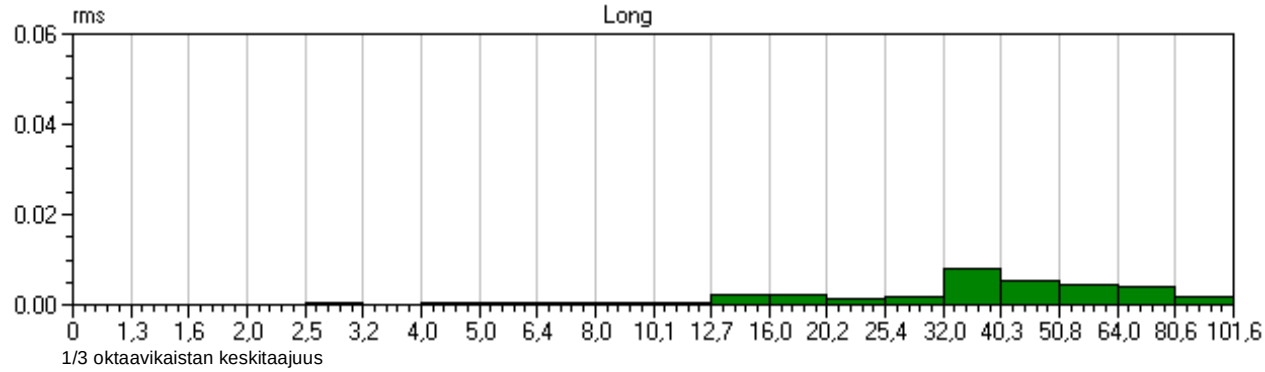
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.222 | 0.190 | 0.238 | 0.377 | mm/s |
| *Freq* | >100 | >100 | 43 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0215 | 0.0215 | 0.0215 | | g |
| *Peak Displacement* | 0.00027 | 0.00009 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,02** | **0,03** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,04** | mm/s |

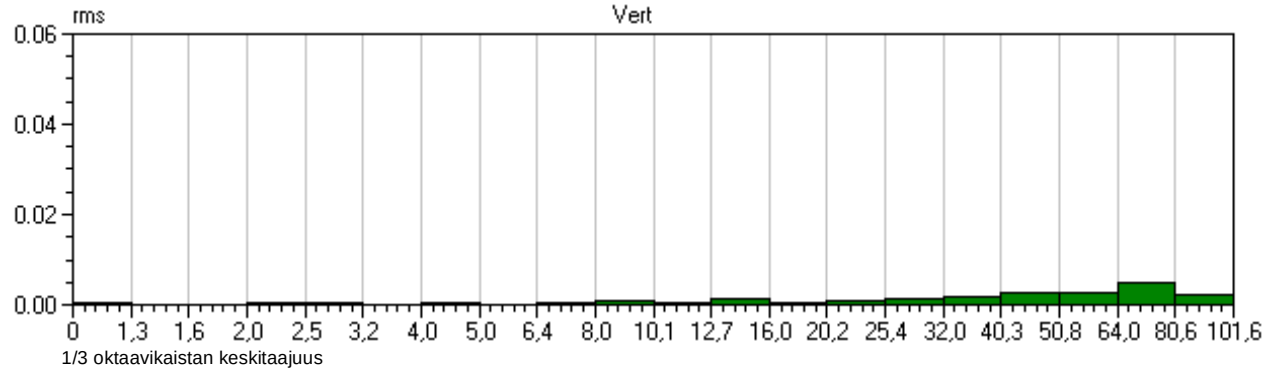


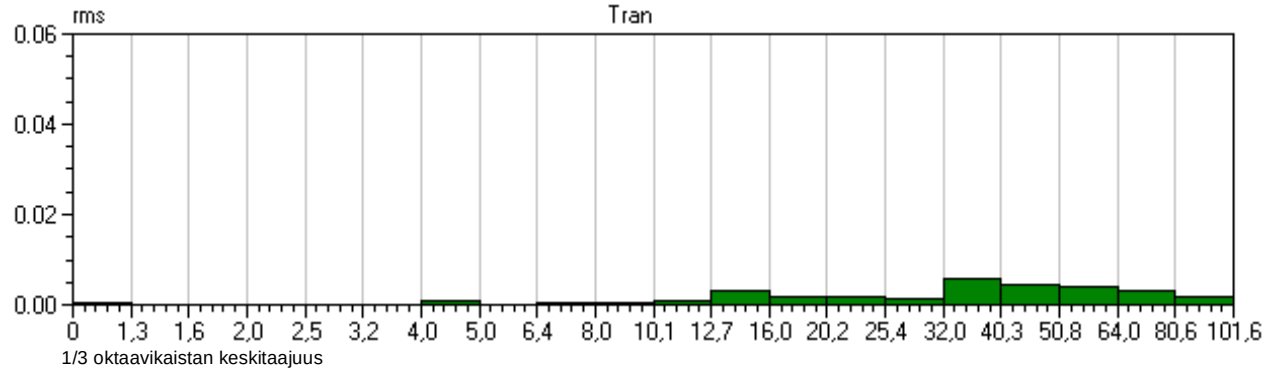
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:40** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 15, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 09:17:35 | *File Name:* | I911GDDD.TB0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.222 | 0.190 | 0.238 | 0.377 | mm/s |
| *Freq* | >100 | >100 | 43 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0215 | 0.0215 | 0.0215 | | g |
| *Peak Displacement* | 0.00027 | 0.00009 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,02** | **0,03** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,04** | mm/s |



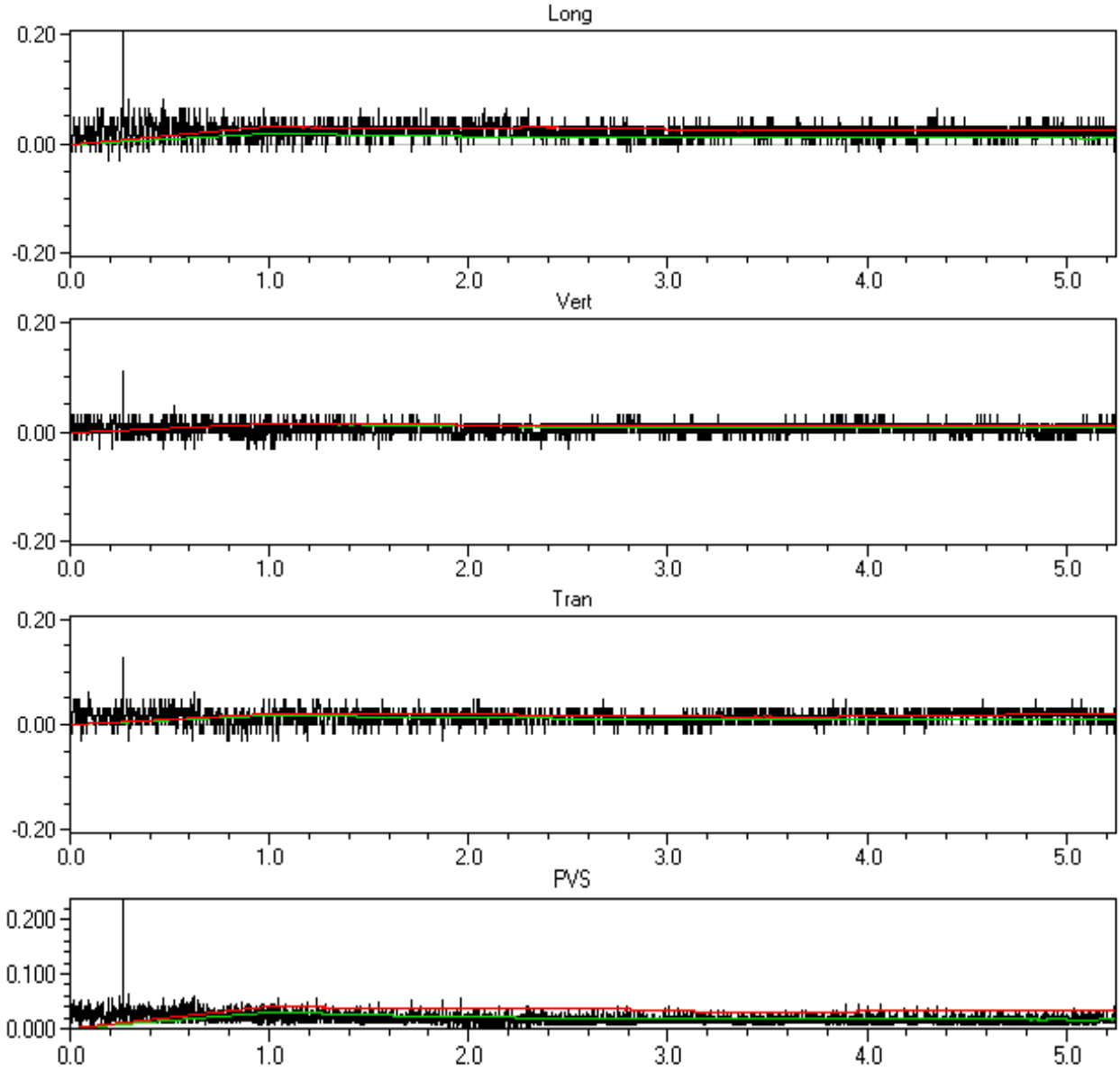



**BlastView RMS report. Generated: 19.5.2016 10:41:42** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 16, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:13:07 | *File Name:* | I911GDG0.1V0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

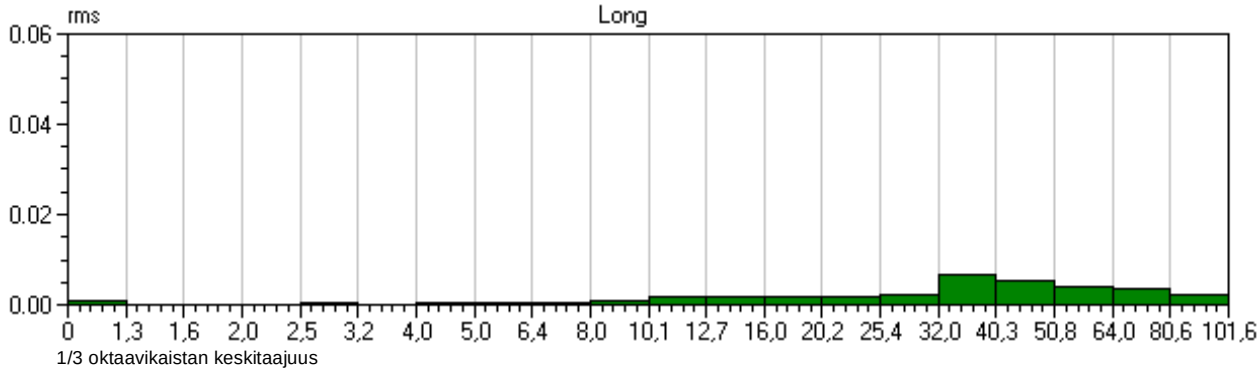
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.111 | 0.206 | 0.267 | mm/s |
| *Freq* | >100 | >100 | 32 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0166 | | g |
| *Peak Displacement* | 0.00033 | 0.00009 | 0.00039 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,02** | **0,03** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |

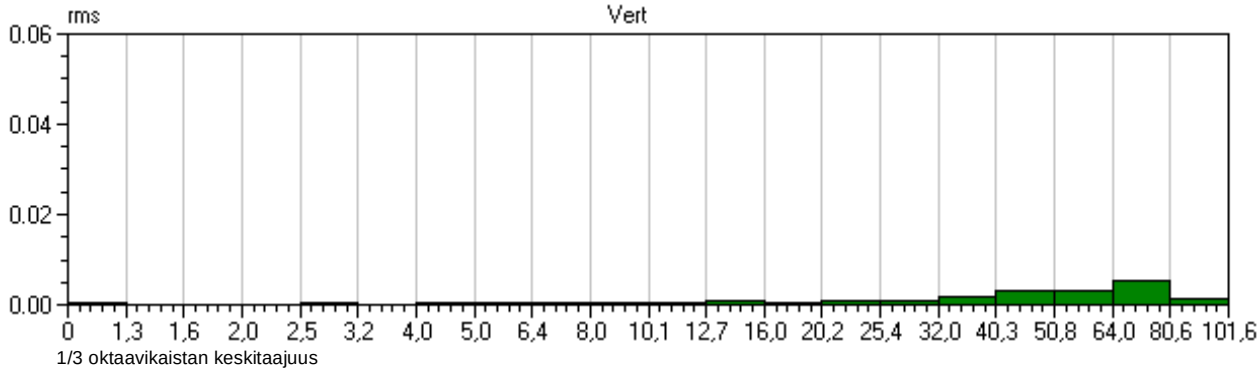


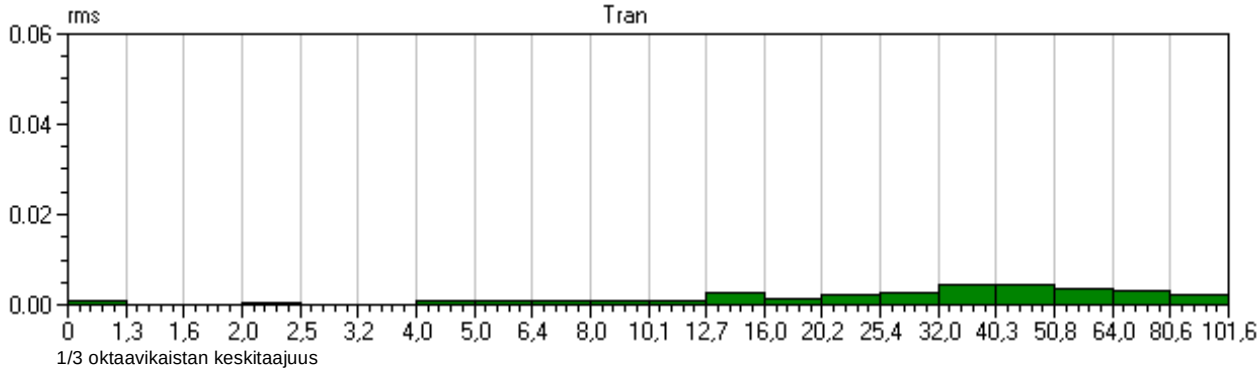
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:42** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 16, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:13:07 | *File Name:* | I911GDG0.1V0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.111 | 0.206 | 0.267 | mm/s |
| *Freq* | >100 | >100 | 32 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0166 | | g |
| *Peak Displacement* | 0.00033 | 0.00009 | 0.00039 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,02** | **0,03** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |



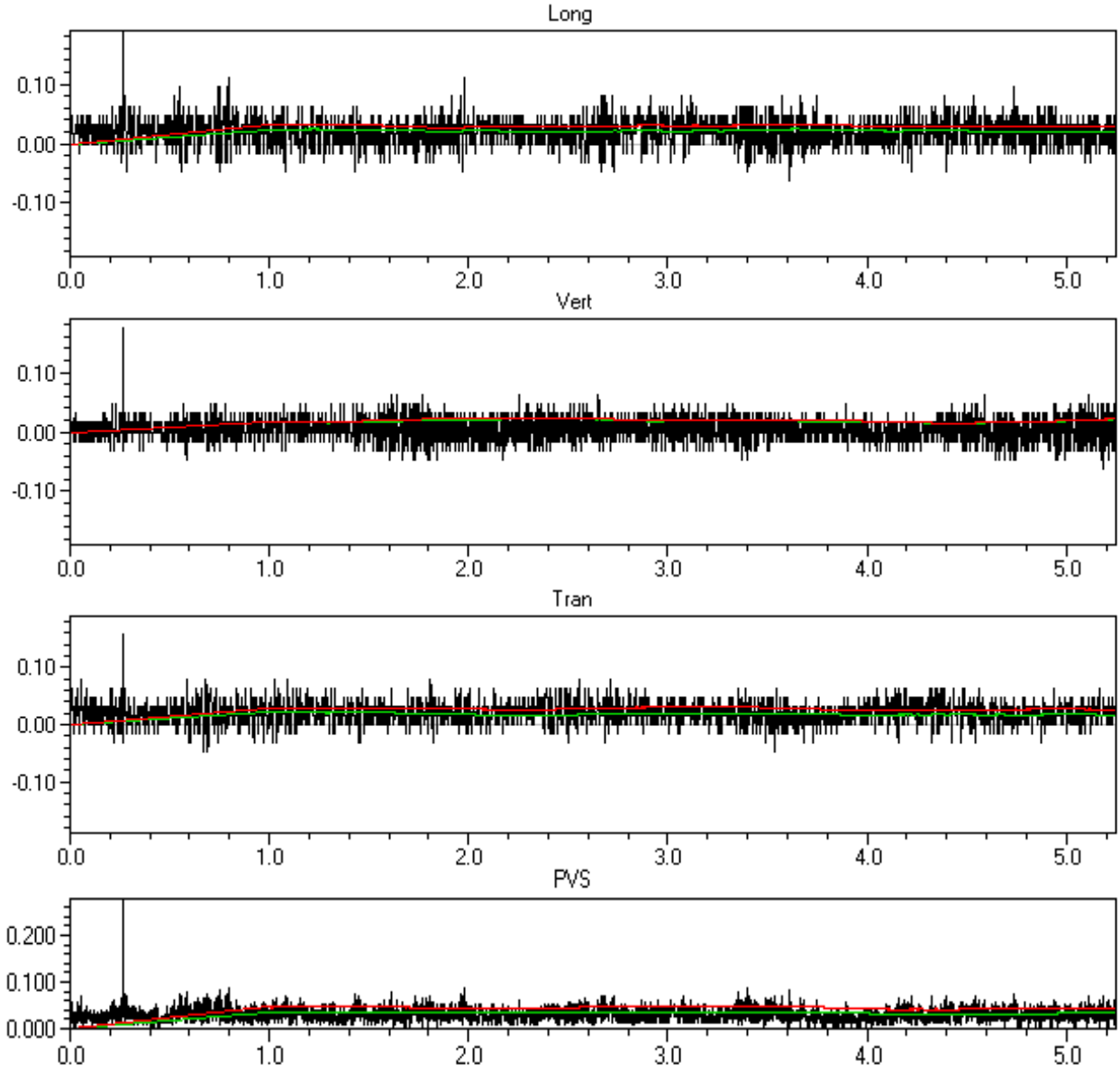



**BlastView RMS report. Generated: 19.5.2016 10:41:47** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 06:09:41 | *File Name:* | I911GDGU.G50 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

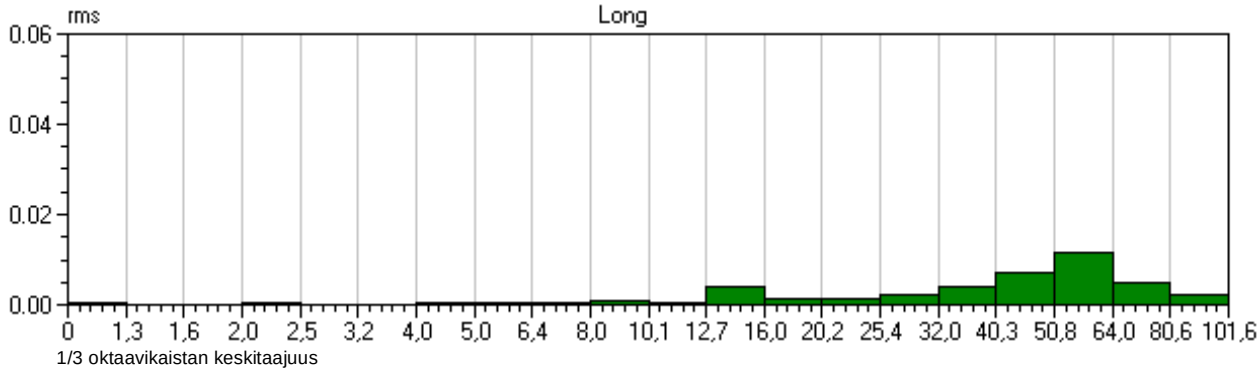
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.159 | 0.175 | 0.190 | 0.303 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0199 | 0.0199 | 0.0199 | | g |
| *Peak Displacement* | 0.00037 | 0.00014 | 0.00049 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |

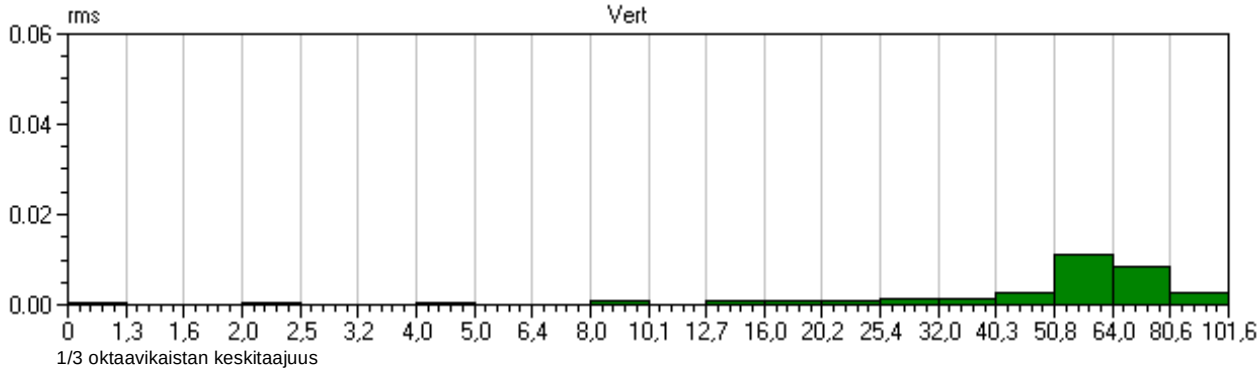


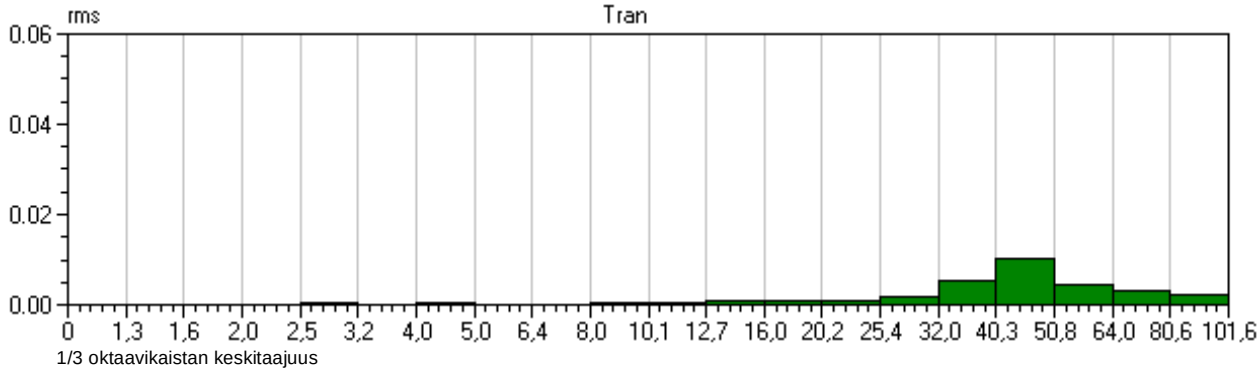
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:47** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 06:09:41 | *File Name:* | I911GDGU.G50 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.159 | 0.175 | 0.190 | 0.303 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0199 | 0.0199 | 0.0199 | | g |
| *Peak Displacement* | 0.00037 | 0.00014 | 0.00049 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |



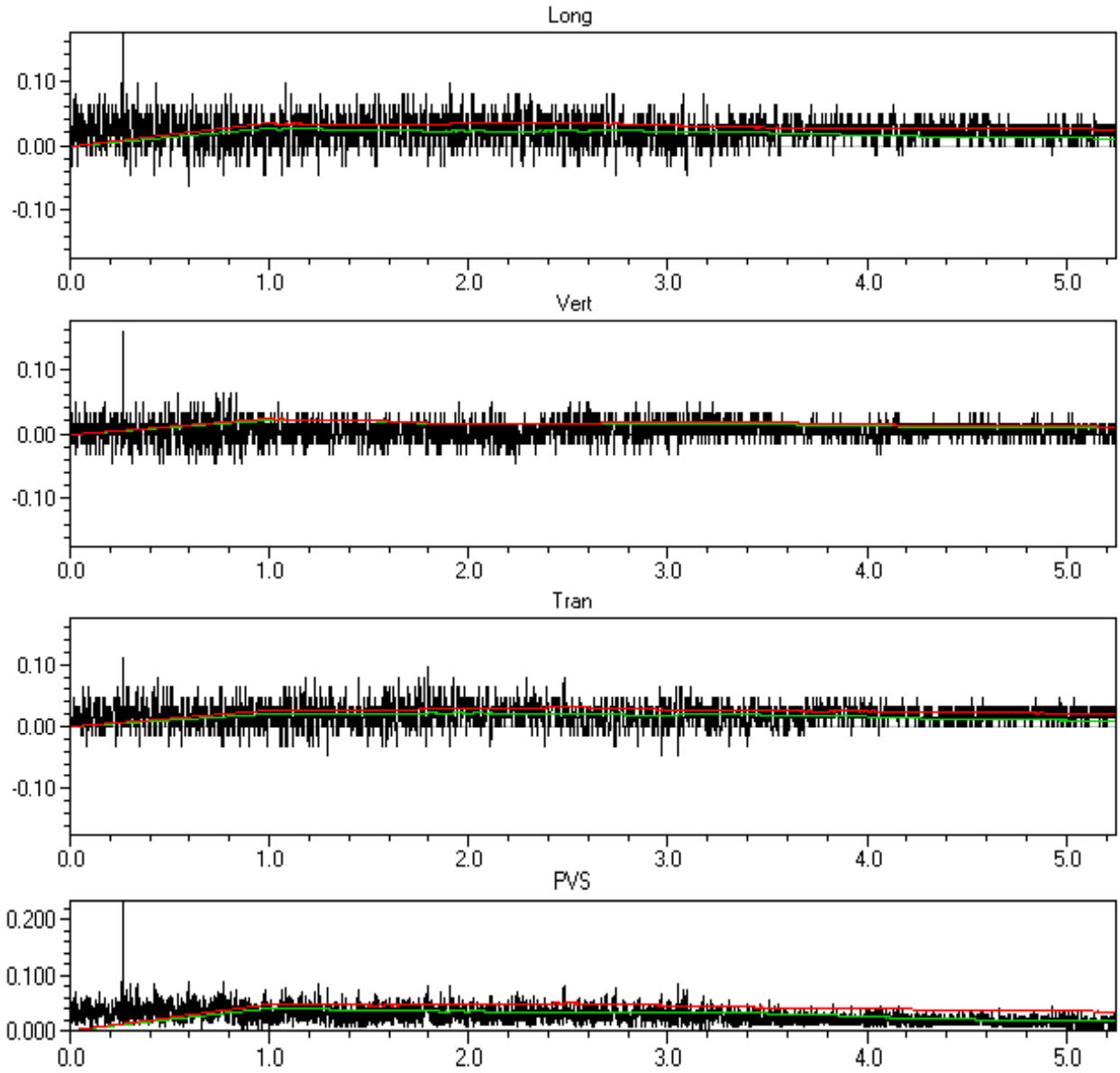



**BlastView RMS report. Generated: 19.5.2016 10:41:49** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 09:12:40 | *File Name:* | I911GDH2.X40 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

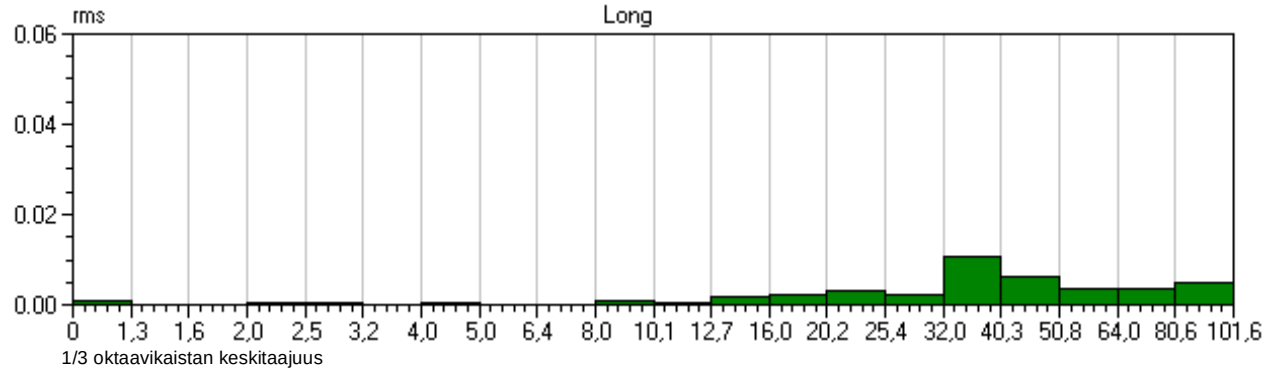
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.159 | 0.175 | 0.261 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0199 | | g |
| *Peak Displacement* | 0.00038 | 0.00015 | 0.00048 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |

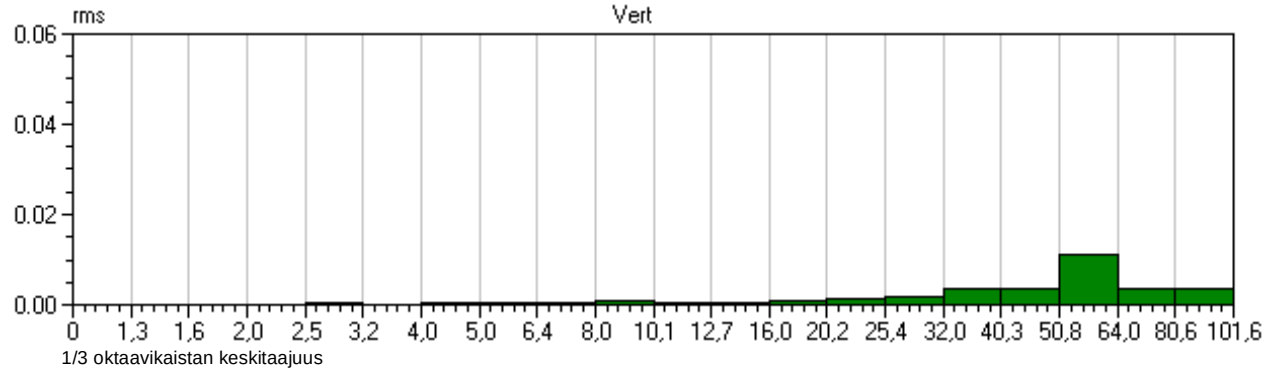


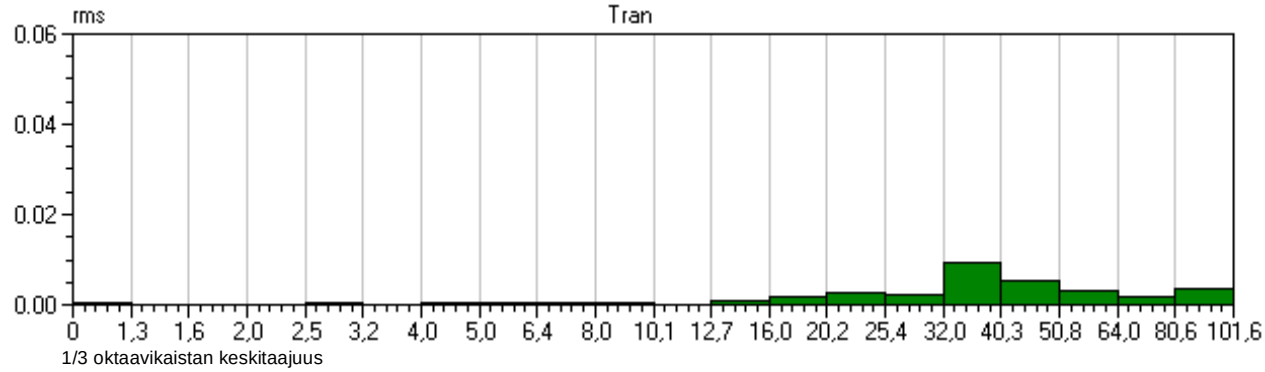
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:49** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 09:12:40 | *File Name:* | I911GDH2.X40 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.159 | 0.175 | 0.261 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0199 | | g |
| *Peak Displacement* | 0.00038 | 0.00015 | 0.00048 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |



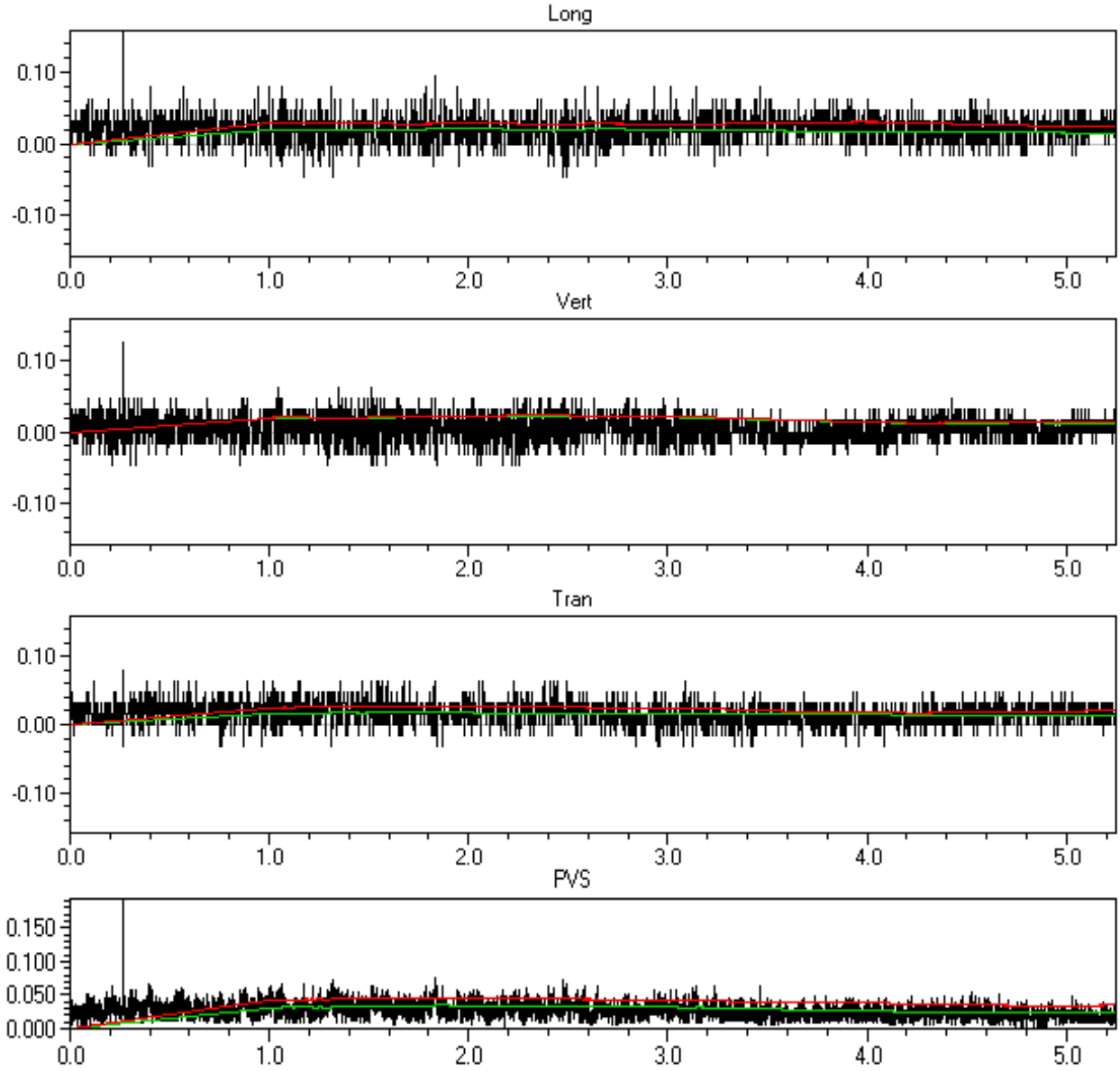



**BlastView RMS report. Generated: 19.5.2016 10:41:44** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 21:21:12 | *File Name:* | I911GDI0.NC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

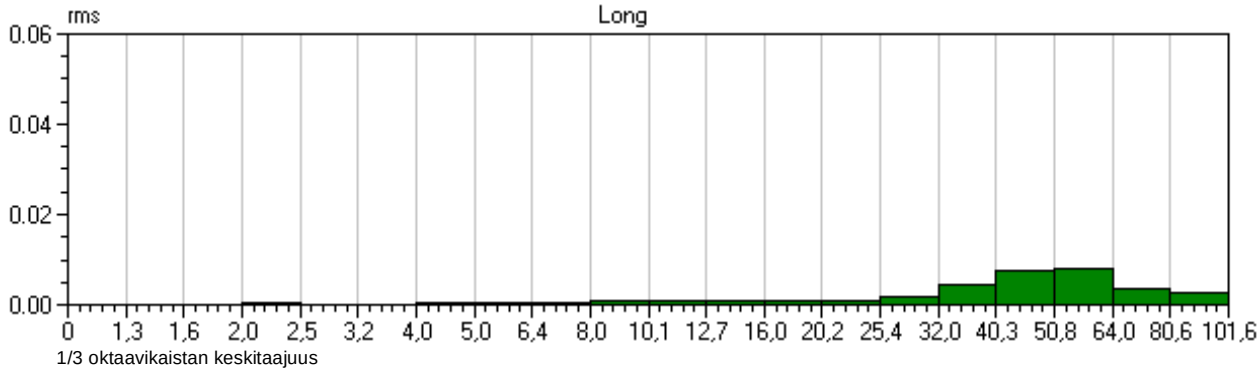
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.127 | 0.159 | 0.218 | mm/s |
| *Freq* | >100 | >100 | 51 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0133 | | g |
| *Peak Displacement* | 0.00025 | 0.00016 | 0.00032 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |

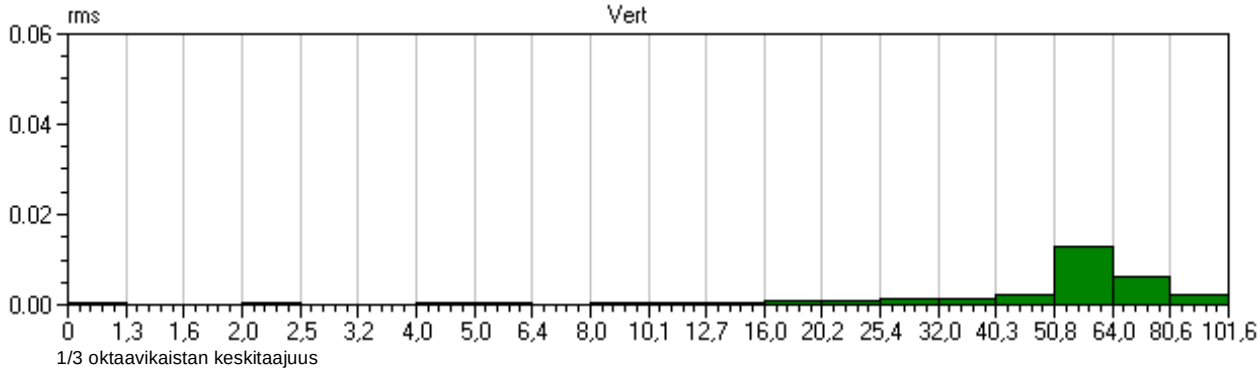


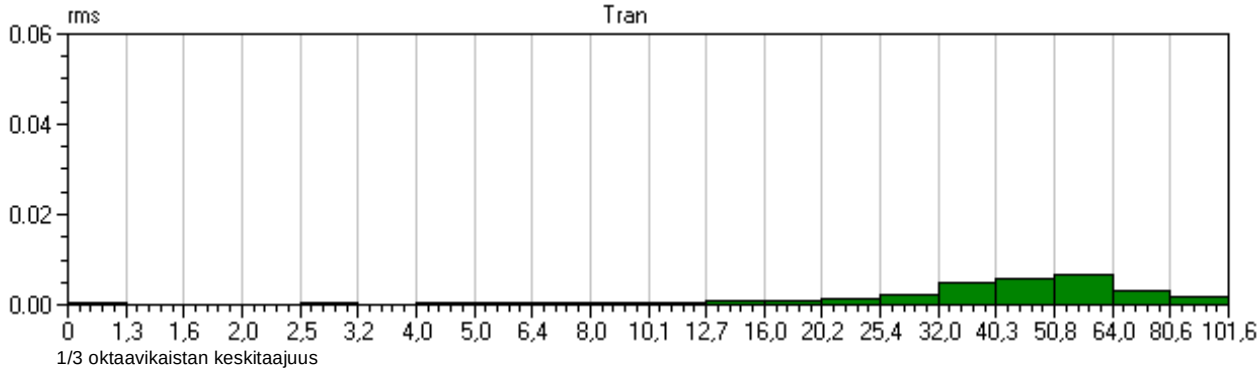
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:44** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 21:21:12 | *File Name:* | I911GDI0.NC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.127 | 0.159 | 0.218 | mm/s |
| *Freq* | >100 | >100 | 51 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0116 | 0.0133 | 0.0133 | | g |
| *Peak Displacement* | 0.00025 | 0.00016 | 0.00032 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |



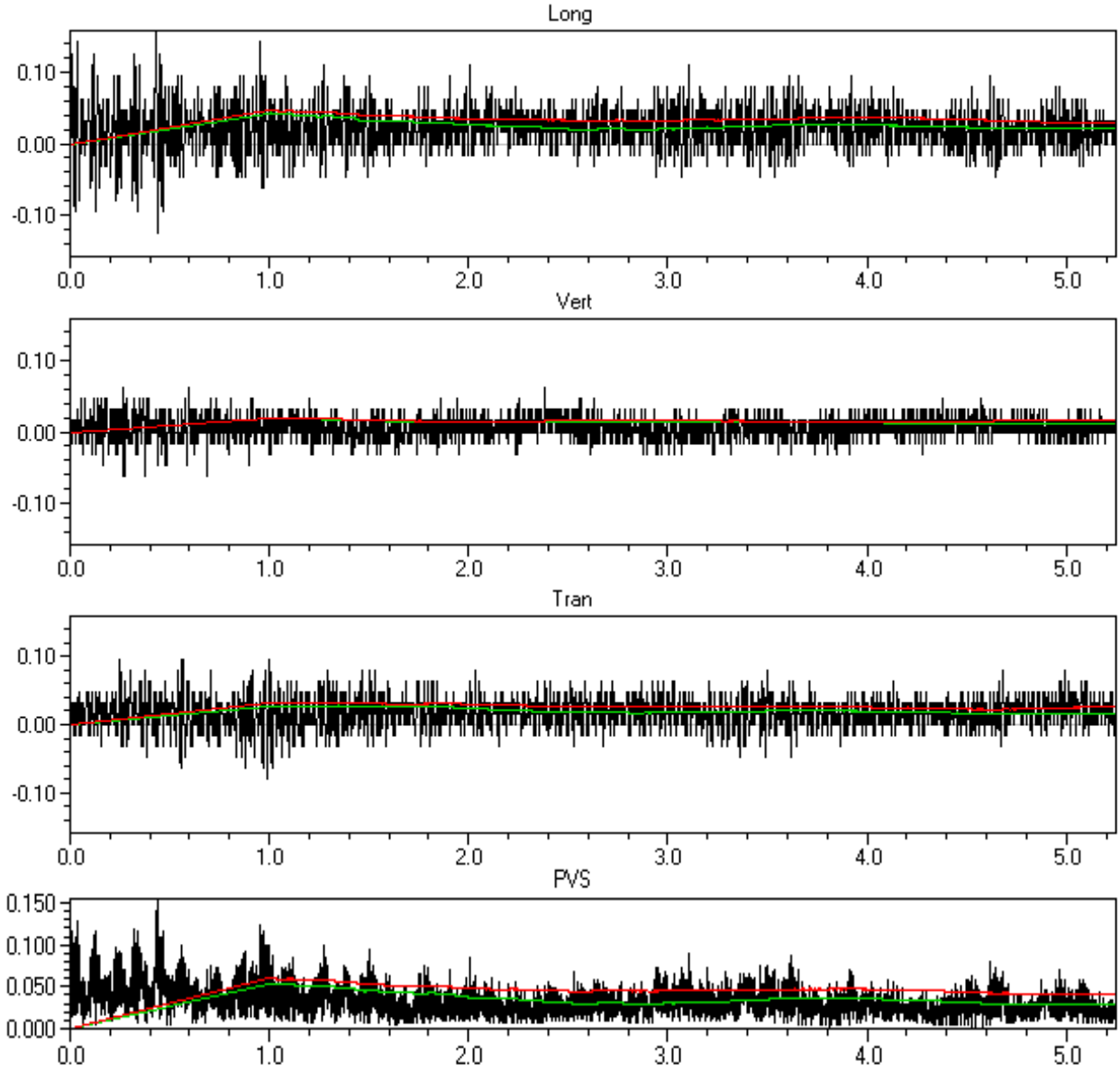



**BlastView RMS report. Generated: 19.5.2016 10:41:45** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 22:48:48 | *File Name:* | I911GDI4.PC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

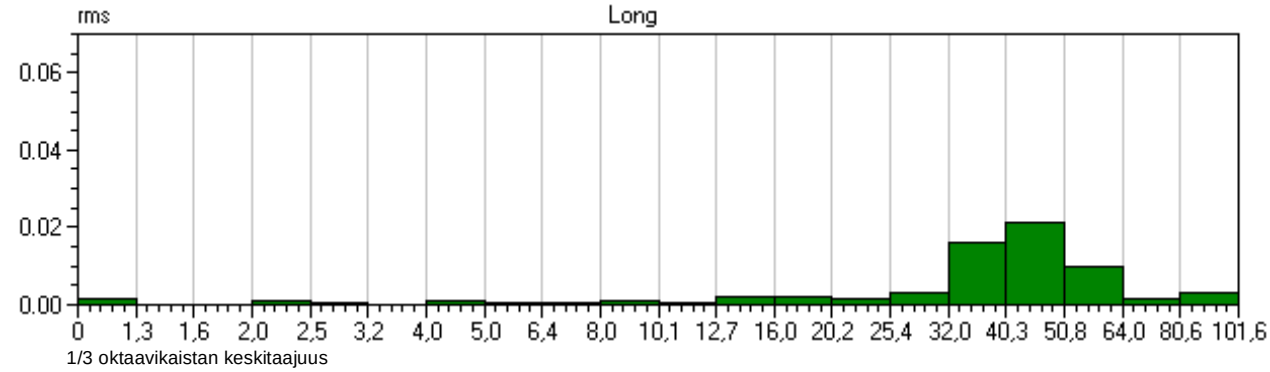
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.159 | 0.162 | mm/s |
| *Freq* | 39 | >100 | 43 | | Hz |
| *Time of Peak* | 0.000 | 0.013 | 0.180 | 0.180 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00994 | | g |
| *Peak Displacement* | 0.00034 | 0.00015 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,05** | **0,06** | mm/s |

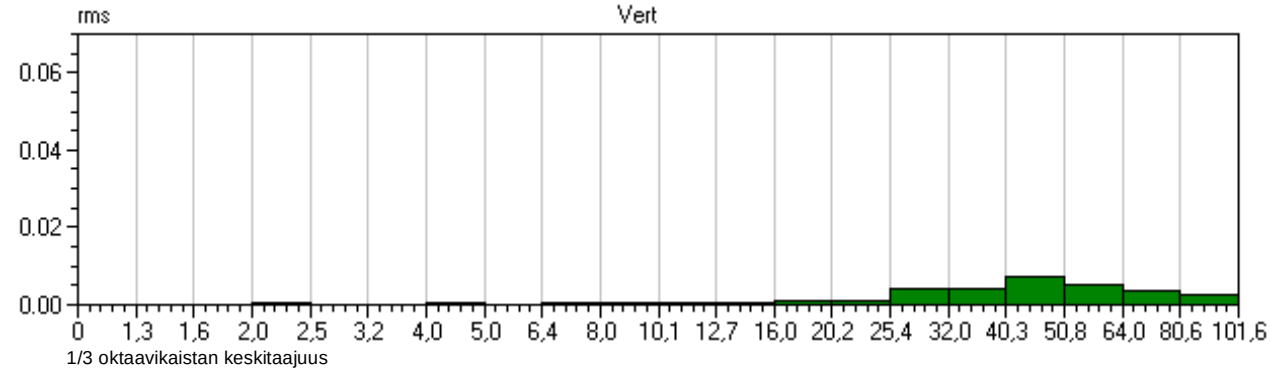


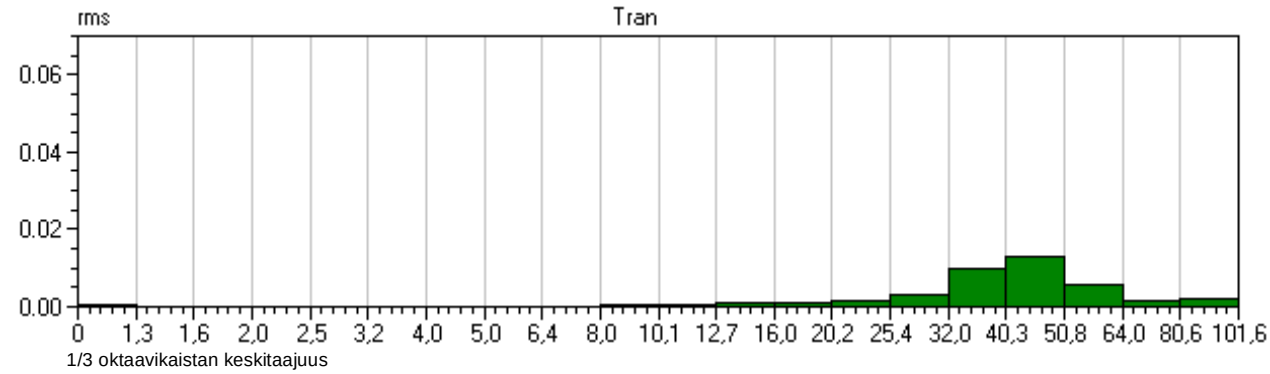
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:45** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 22:48:48 | *File Name:* | I911GDI4.PC0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.159 | 0.162 | mm/s |
| *Freq* | 39 | >100 | 43 | | Hz |
| *Time of Peak* | 0.000 | 0.013 | 0.180 | 0.180 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00994 | | g |
| *Peak Displacement* | 0.00034 | 0.00015 | 0.00057 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,05** | **0,06** | mm/s |



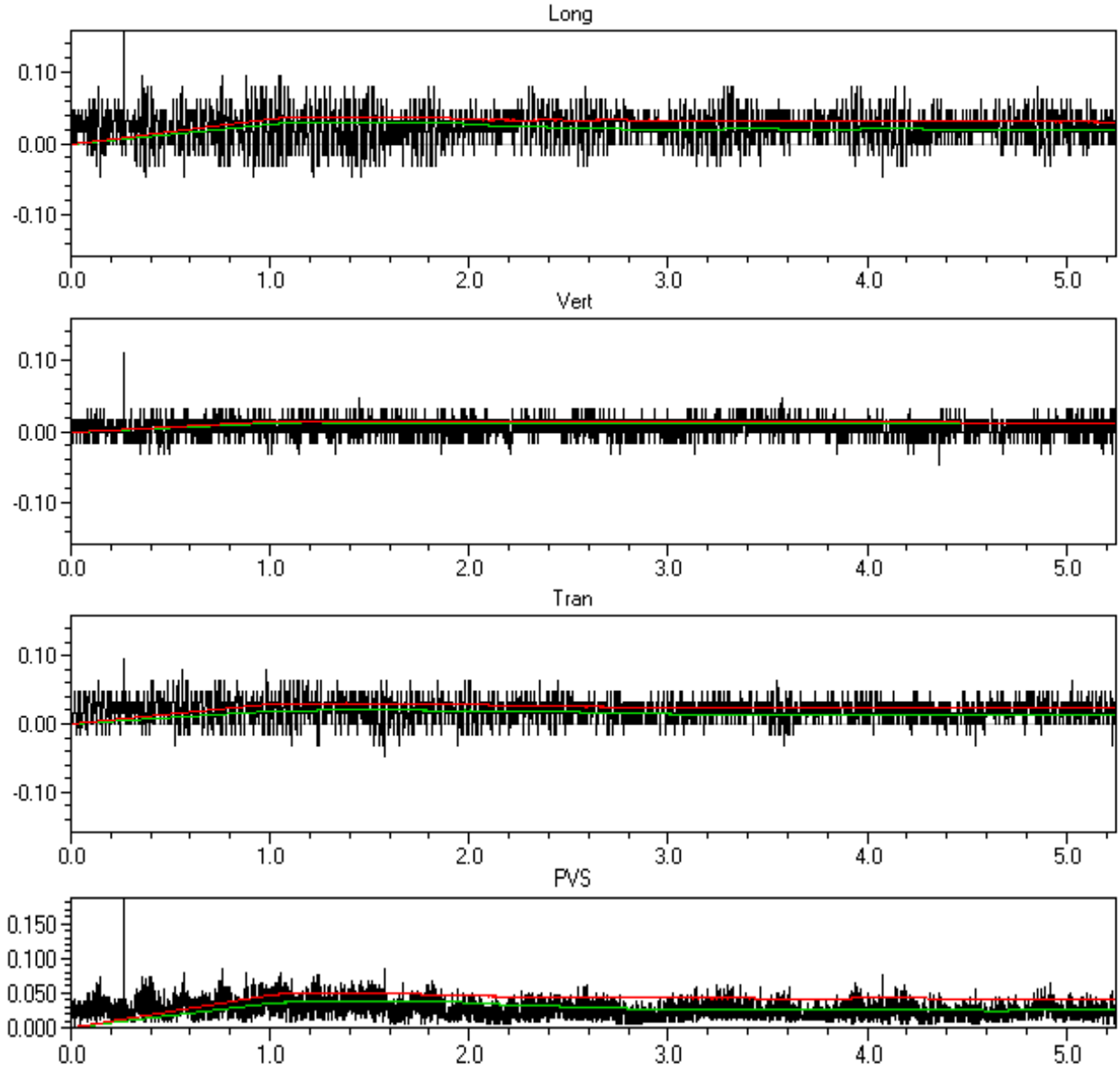



**BlastView RMS report. Generated: 19.5.2016 10:41:51** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 18, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 01:59:57 | *File Name:* | I911GDID.JX0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

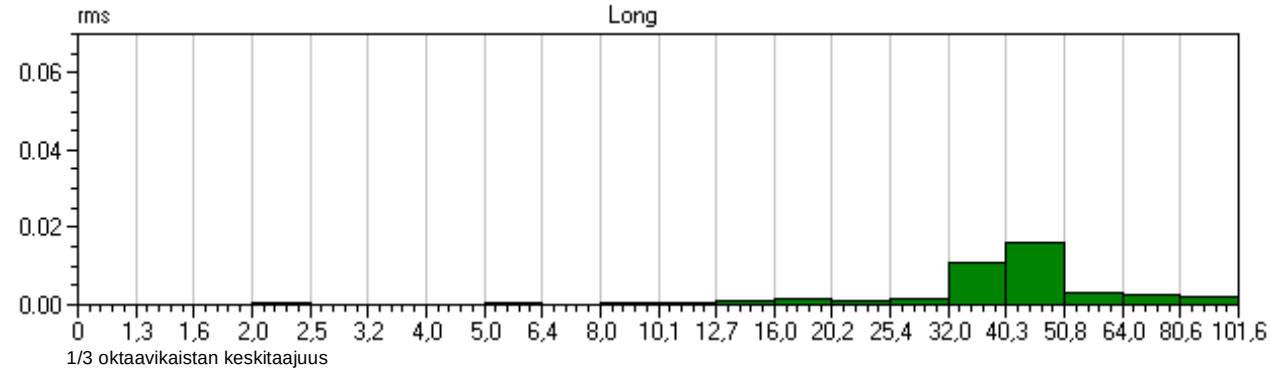
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.111 | 0.159 | 0.216 | mm/s |
| *Freq* | >100 | >100 | 47 | | Hz |
| *Time of Peak* | 0.014 | 0.014 | 0.014 | 0.014 | Sec |
| *Peak Acceleration* | 0.00829 | 0.0133 | 0.0133 | | g |
| *Peak Displacement* | 0.00029 | 0.00008 | 0.00043 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,01** | **0,04** | **0,05** | mm/s |

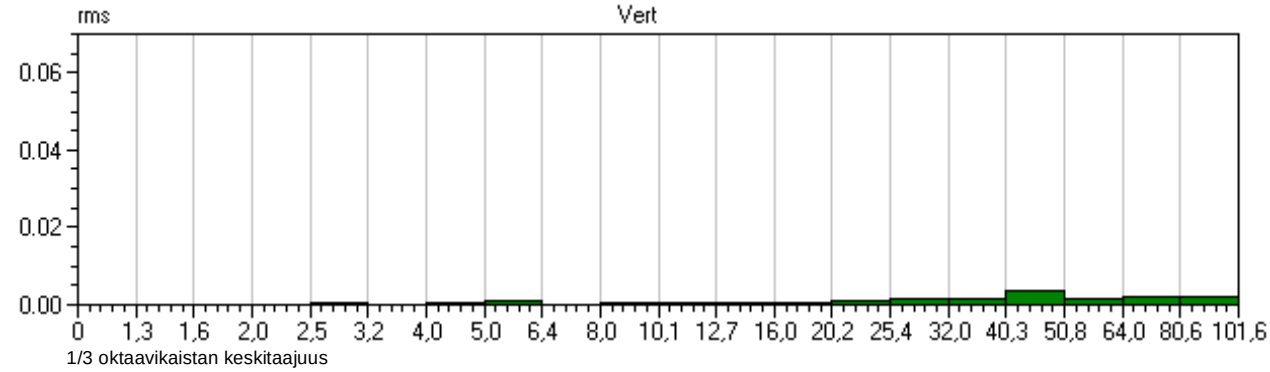


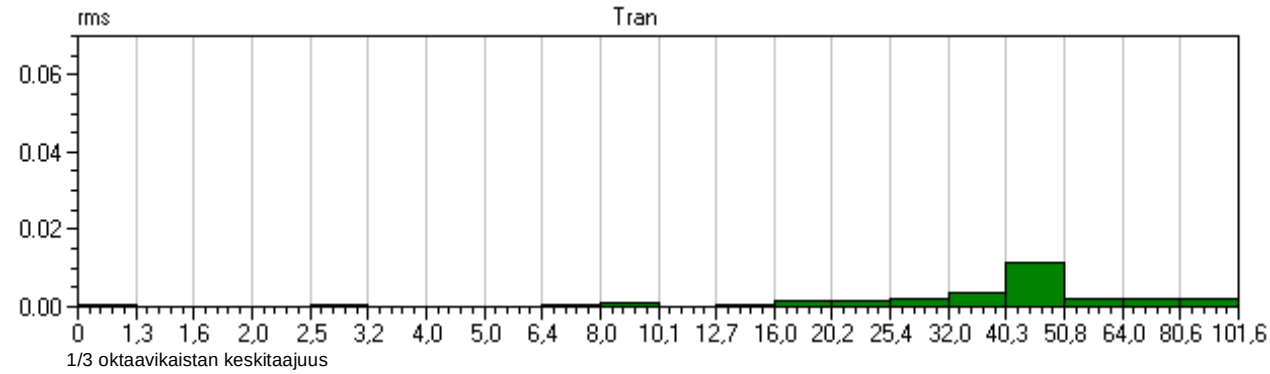
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:51** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 18, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 01:59:57 | *File Name:* | I911GDID.JX0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.111 | 0.159 | 0.216 | mm/s |
| *Freq* | >100 | >100 | 47 | | Hz |
| *Time of Peak* | 0.014 | 0.014 | 0.014 | 0.014 | Sec |
| *Peak Acceleration* | 0.00829 | 0.0133 | 0.0133 | | g |
| *Peak Displacement* | 0.00029 | 0.00008 | 0.00043 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,01** | **0,04** | **0,05** | mm/s |



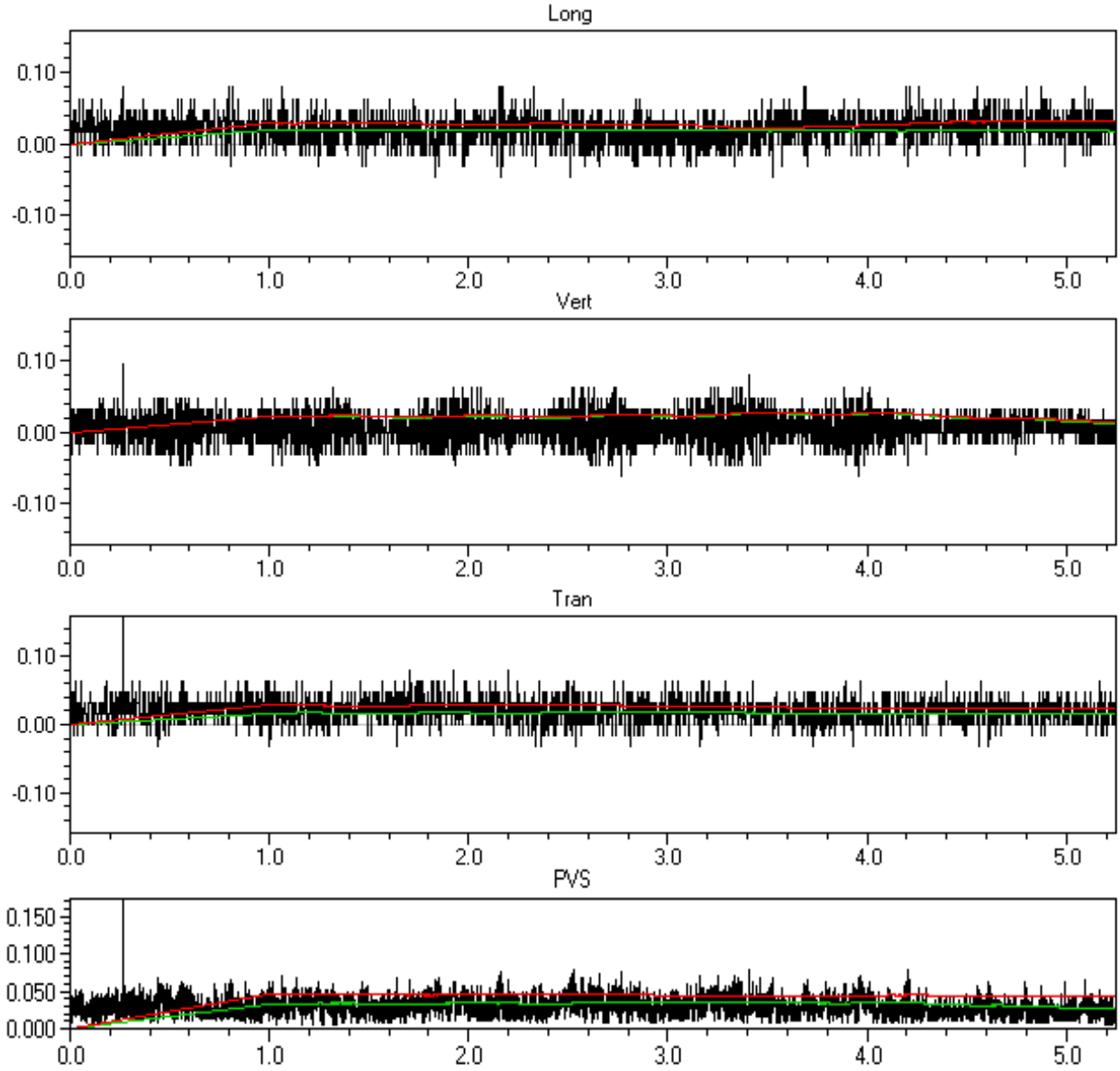



**BlastView RMS report. Generated: 19.5.2016 10:41:52** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 18, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 06:28:59 | *File Name:* | I911GDIQ.0B0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

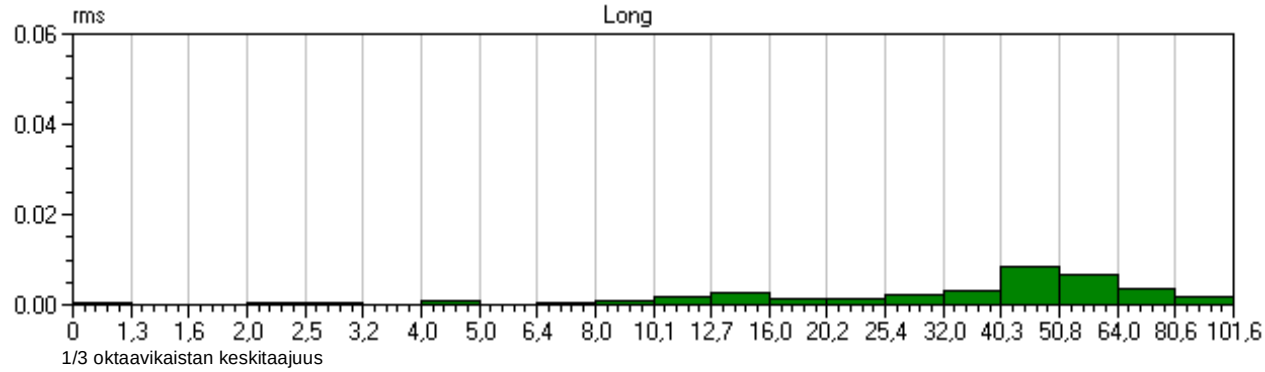
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.159 | 0.0952 | 0.0794 | 0.201 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0149 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00043 | 0.00016 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,03** | **0,05** | mm/s |

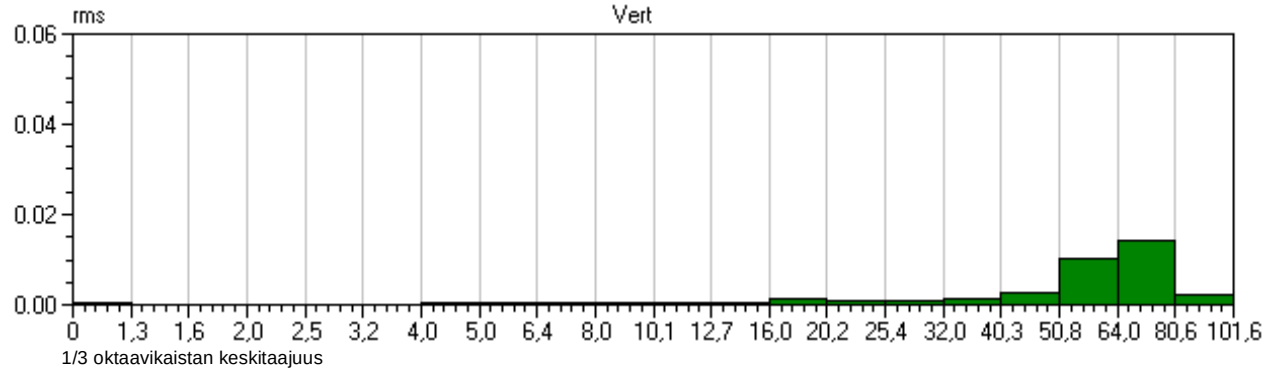


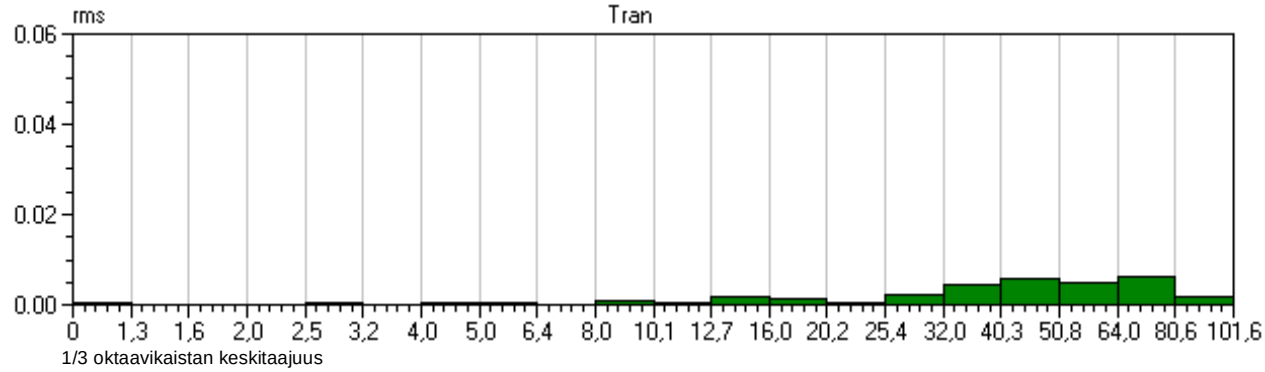
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:41:52** - **MP2**

| | | | |
|---|---|---|---|
| *Event Date:* | May 18, 2016 | *Serial Number:* | BE7911, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 06:28:59 | *File Name:* | I911GDIQ.0B0 |
| *Location:* | Hollonranta, linja 1, 25 metria radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 4, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.159 | 0.0952 | 0.0794 | 0.201 | mm/s |
| *Freq* | >100 | >100 | >100 | | Hz |
| *Time of Peak* | 0.015 | 0.015 | 0.015 | 0.015 | Sec |
| *Peak Acceleration* | 0.0149 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00043 | 0.00016 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,03** | **0,05** | mm/s |



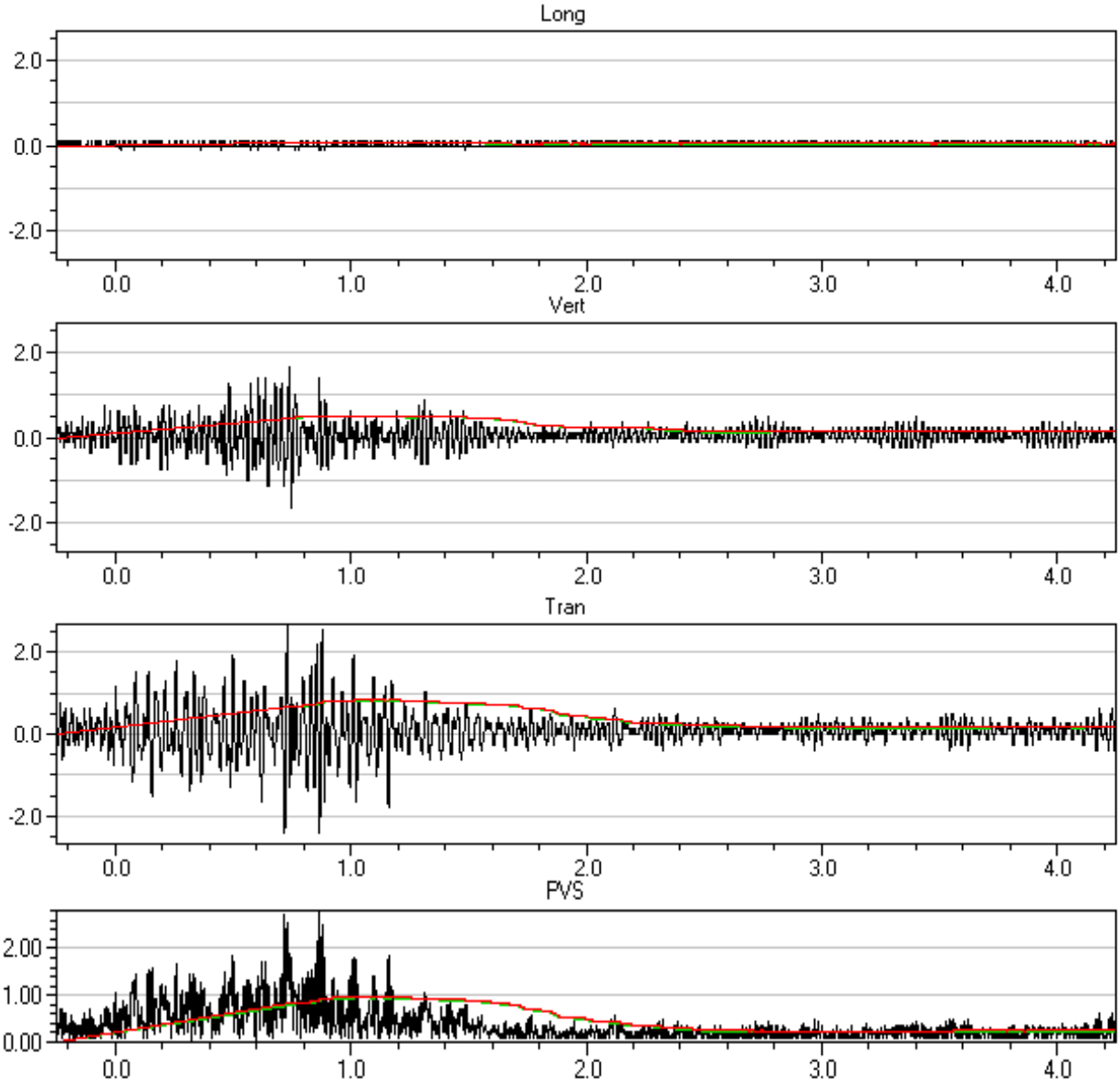



**BlastView RMS report. Generated: 19.5.2016 10:53:12** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 21:03:53 | *File Name:* | I446GD36.IH0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

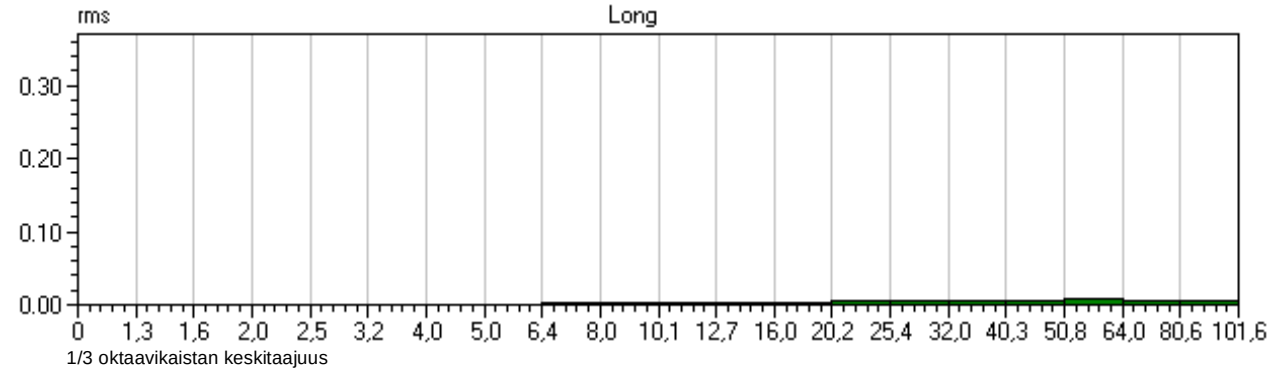
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 1.65 | 0.127 | 2.79 | mm/s |
| *Freq* | 39 | 39 | >100 | | Hz |
| *Time of Peak* | 0.729 | 0.736 | -0.244 | 0.865 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0530 | 0.0133 | | g |
| *Peak Displacement* | 0.0105 | 0.00633 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,49** | **0,05** | **0,95** | mm/s |
| *RMS (1s)* | **0,83** | **0,50** | **0,05** | **0,97** | mm/s |

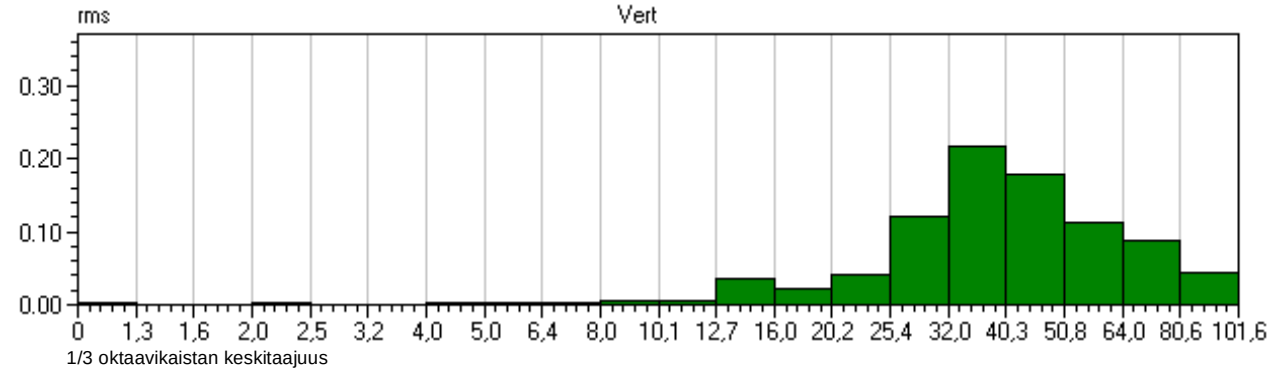


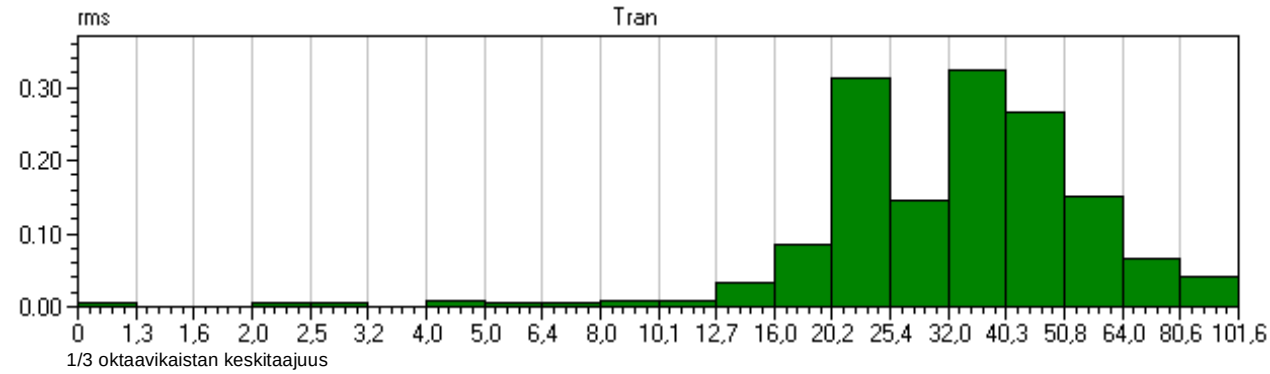
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:12** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 21:03:53 | *File Name:* | I446GD36.IH0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 4.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 1.65 | 0.127 | 2.79 | mm/s |
| *Freq* | 39 | 39 | >100 | | Hz |
| *Time of Peak* | 0.729 | 0.736 | -0.244 | 0.865 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0530 | 0.0133 | | g |
| *Peak Displacement* | 0.0105 | 0.00633 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,49** | **0,05** | **0,95** | mm/s |
| *RMS (1s)* | **0,83** | **0,50** | **0,05** | **0,97** | mm/s |



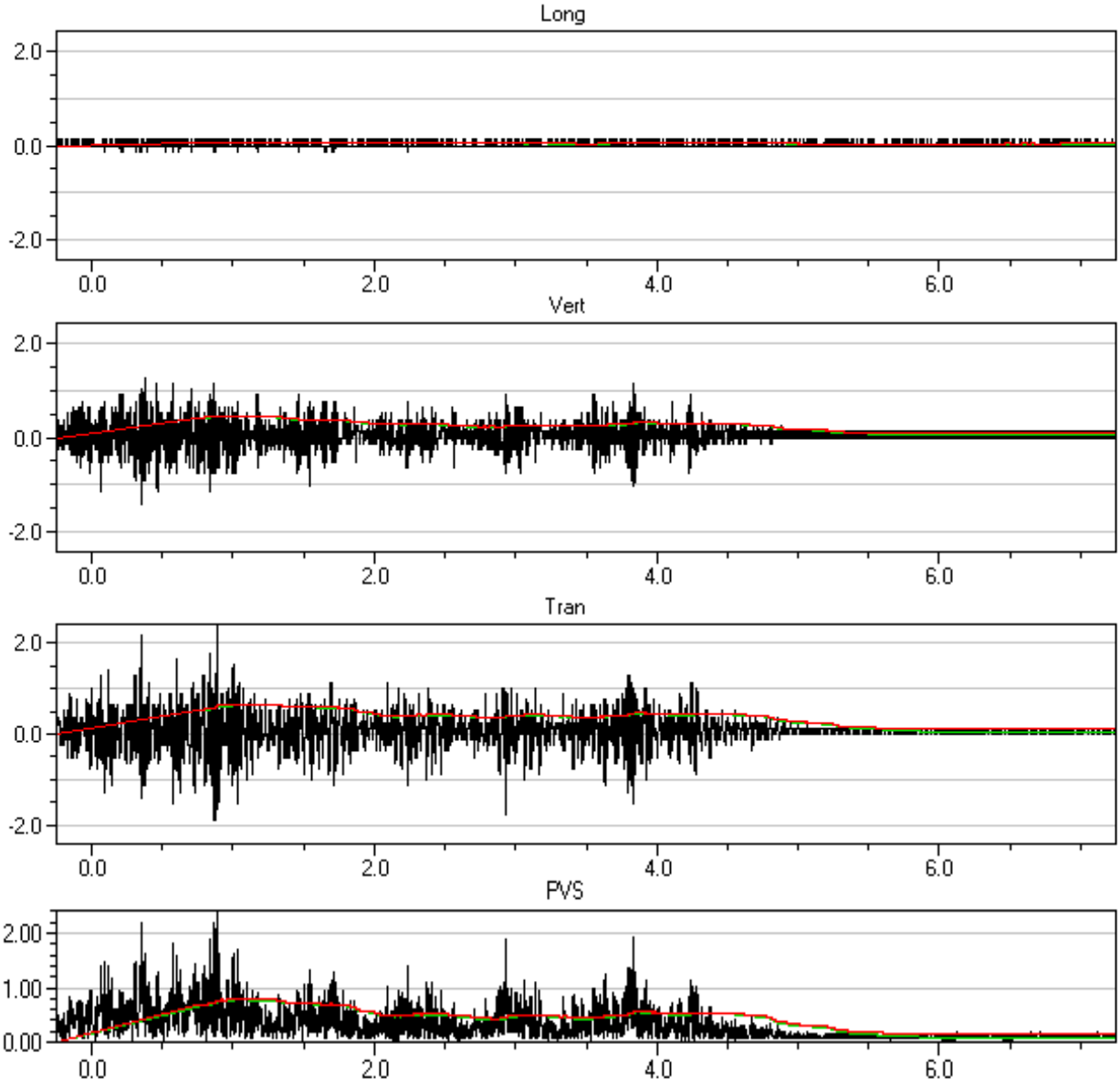



**BlastView RMS report. Generated: 19.5.2016 10:53:36** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 21:17:36 | *File Name:* | I446GD37.5C0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 7.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

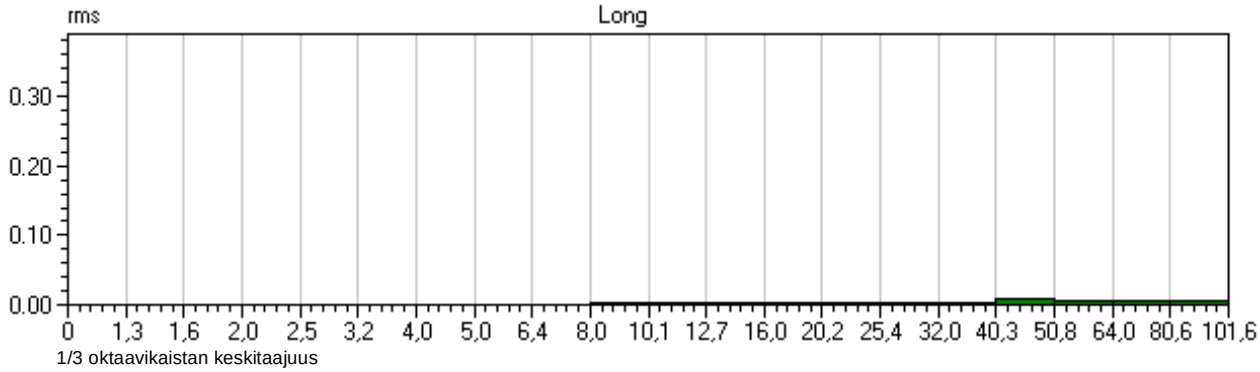
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.40 | 0.127 | 2.50 | mm/s |
| *Freq* | 47 | 64 | >100 | | Hz |
| *Time of Peak* | 0.885 | 0.350 | -0.246 | 0.885 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0530 | 0.0265 | | g |
| *Peak Displacement* | 0.00819 | 0.00366 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,65** | **0,45** | **0,05** | **0,79** | mm/s |
| *RMS (1s)* | **0,66** | **0,46** | **0,05** | **0,80** | mm/s |

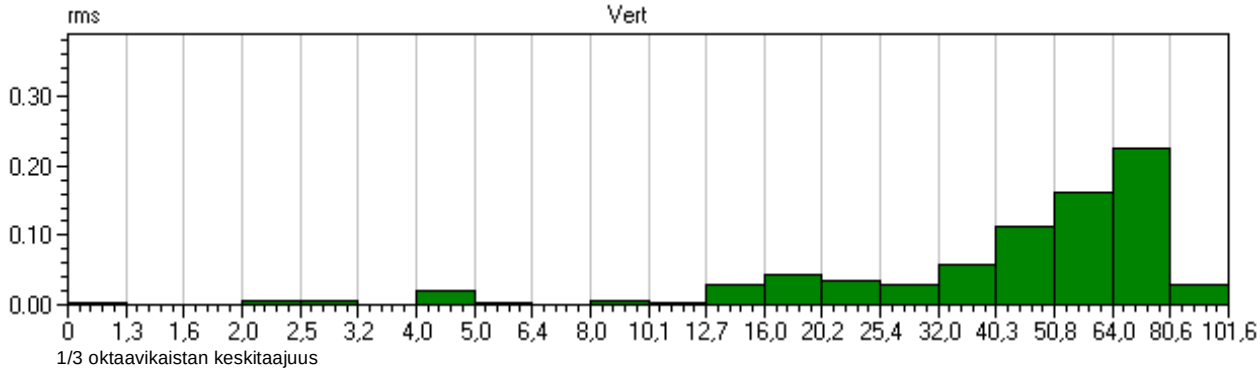


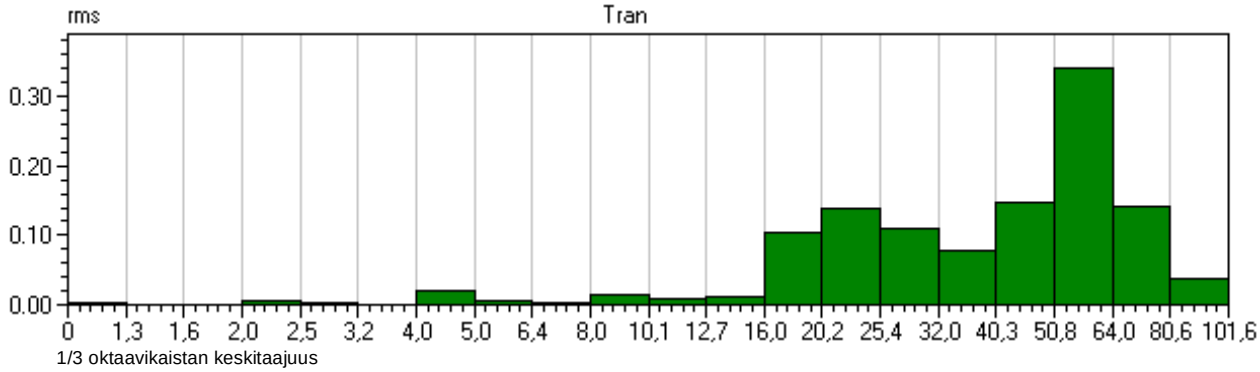
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:37** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 21:17:36 | *File Name:* | I446GD37.5C0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 7.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.40 | 0.127 | 2.50 | mm/s |
| *Freq* | 47 | 64 | >100 | | Hz |
| *Time of Peak* | 0.885 | 0.350 | -0.246 | 0.885 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0530 | 0.0265 | | g |
| *Peak Displacement* | 0.00819 | 0.00366 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,65** | **0,45** | **0,05** | **0,79** | mm/s |
| *RMS (1s)* | **0,66** | **0,46** | **0,05** | **0,80** | mm/s |



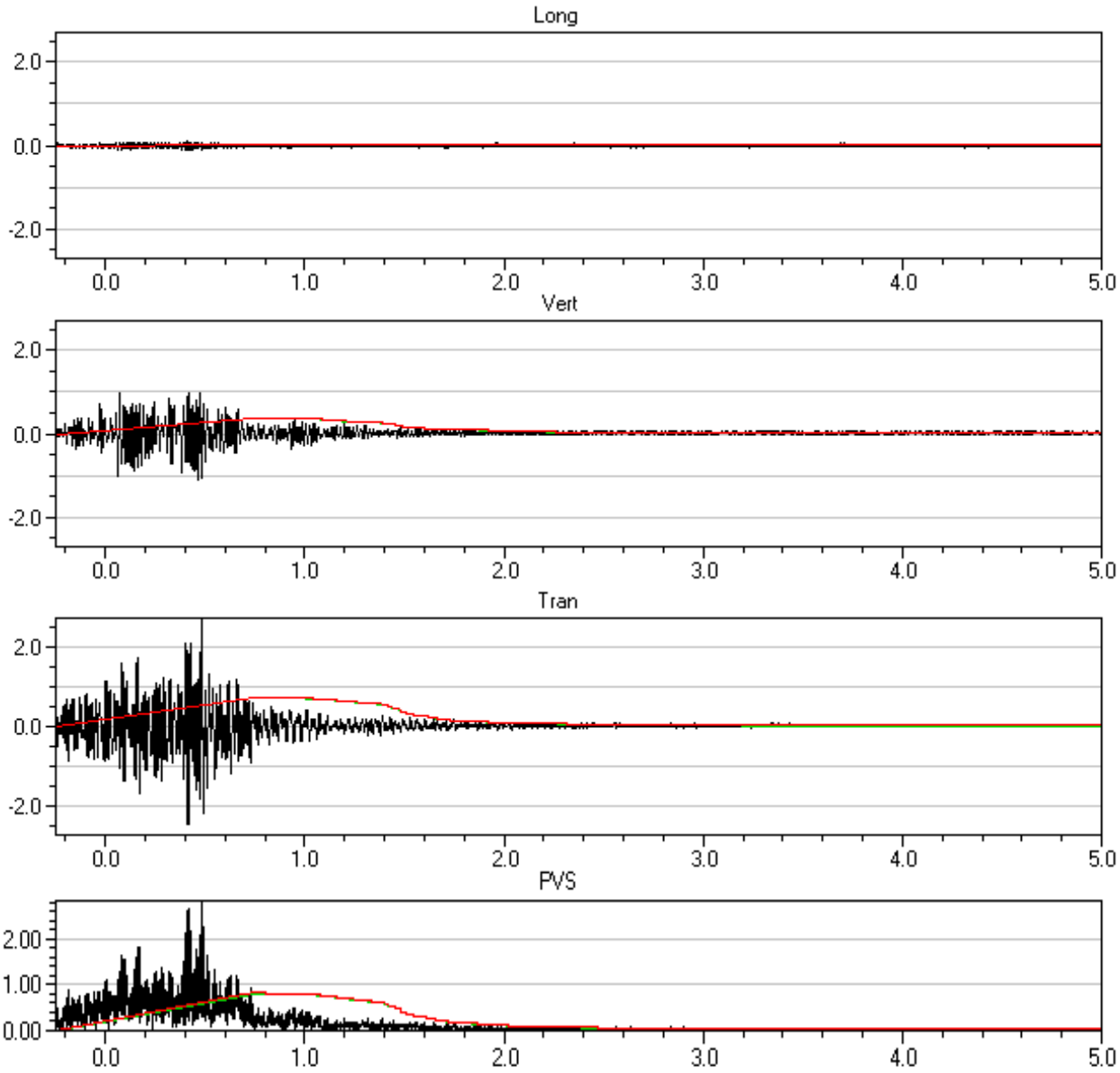



**BlastView RMS report. Generated: 19.5.2016 10:53:14** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 20:24:35 | *File Name:* | I446GD4Z.CZ0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

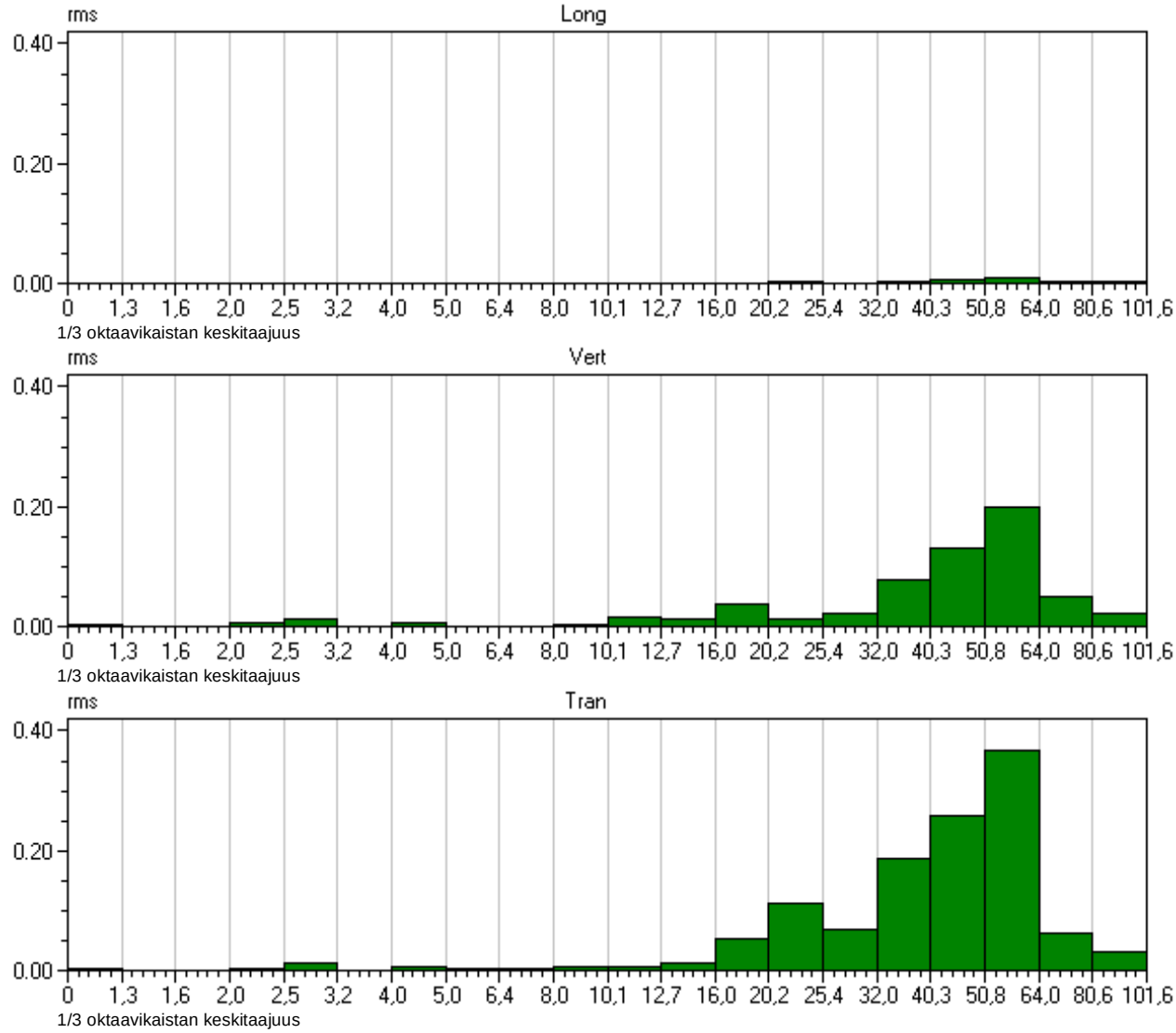
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.71 | 1.11 | 0.127 | 2.92 | mm/s |
| *Freq* | 43 | 51 | >100 | | Hz |
| *Time of Peak* | 0.480 | 0.461 | 0.400 | 0.480 | Sec |
| *Peak Acceleration* | 0.0779 | 0.0414 | 0.0133 | | g |
| *Peak Displacement* | 0.0102 | 0.00331 | 0.00016 | | mm |
| *RMS (1s fw 5.6)* | **0,72** | **0,37** | **0,03** | **0,81** | mm/s |
| *RMS (1s)* | **0,73** | **0,37** | **0,03** | **0,82** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:14** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 20:24:35 | *File Name:* | I446GD4Z.CZ0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

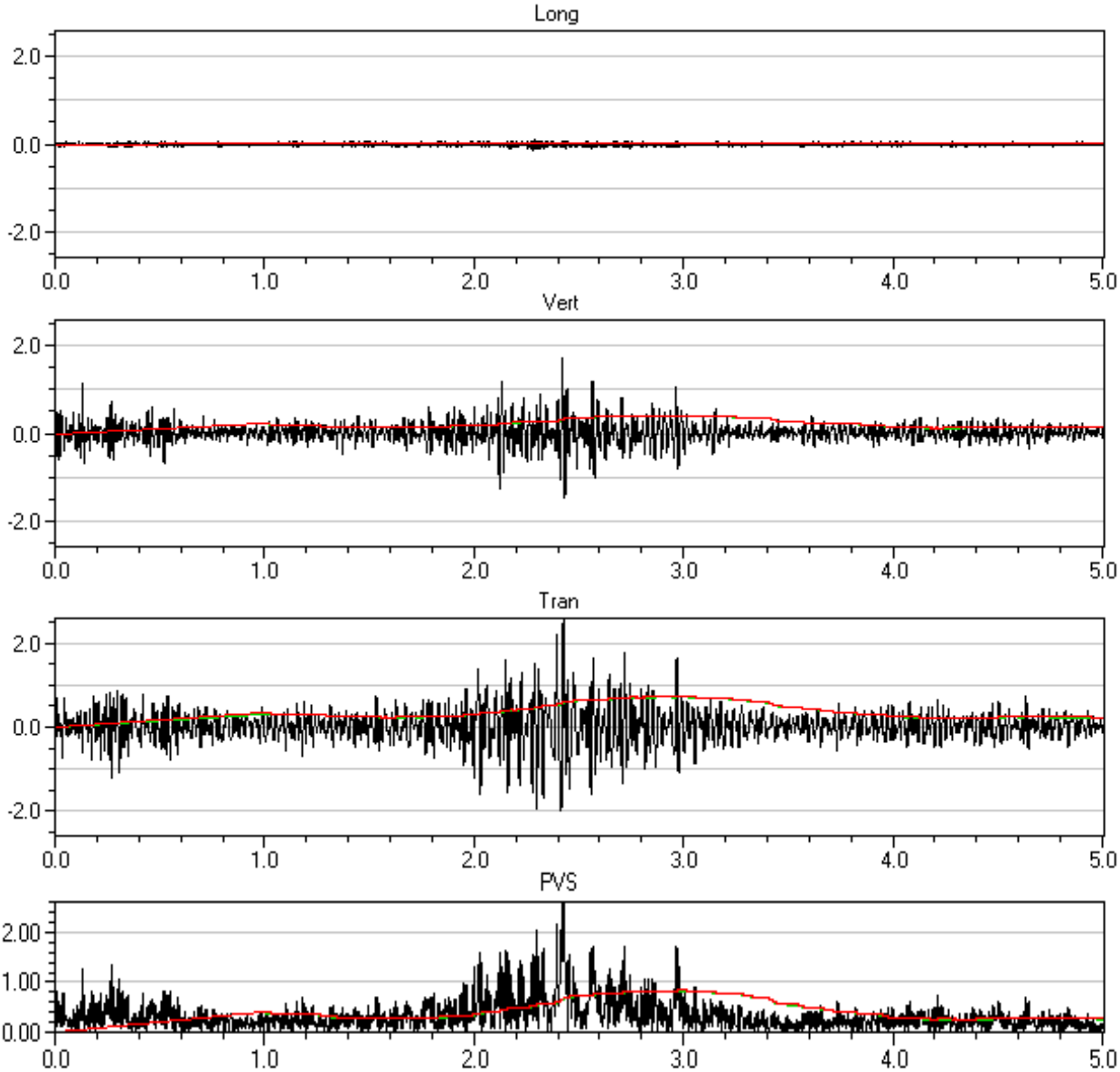
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.71 | 1.11 | 0.127 | 2.92 | mm/s |
| *Freq* | 43 | 51 | >100 | | Hz |
| *Time of Peak* | 0.480 | 0.461 | 0.400 | 0.480 | Sec |
| *Peak Acceleration* | 0.0779 | 0.0414 | 0.0133 | | g |
| *Peak Displacement* | 0.0102 | 0.00331 | 0.00016 | | mm |
| *RMS (1s fw 5.6)* | **0,72** | **0,37** | **0,03** | **0,81** | mm/s |
| *RMS (1s)* | **0,73** | **0,37** | **0,03** | **0,82** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:16** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 00:25:18 | *File Name:* | I446GD5A.I60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

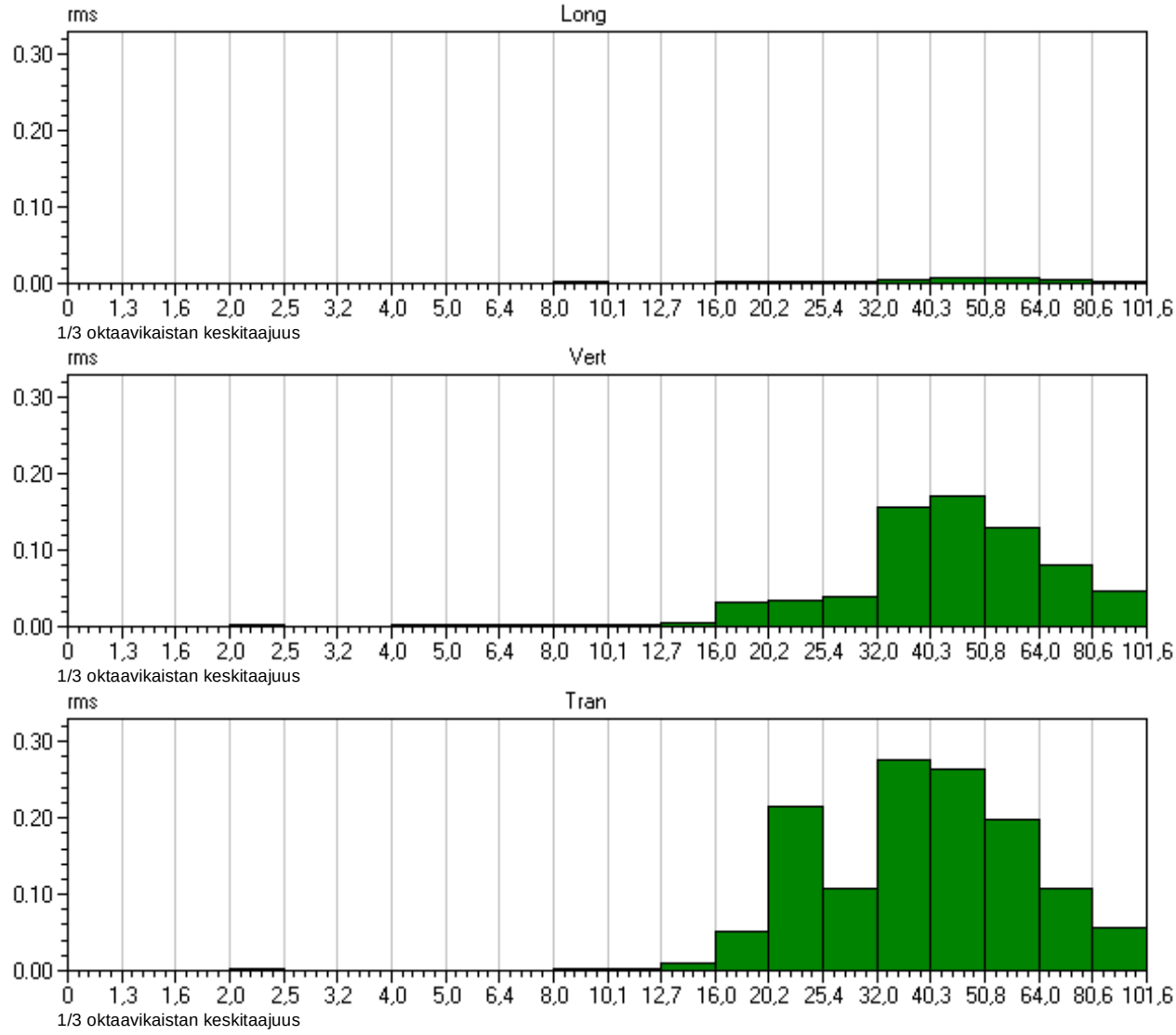
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.59 | 1.70 | 0.127 | 2.67 | mm/s |
| *Freq* | 39 | 47 | >100 | | Hz |
| *Time of Peak* | 2.416 | 2.412 | 2.271 | 2.416 | Sec |
| *Peak Acceleration* | 0.0762 | 0.0497 | 0.0116 | | g |
| *Peak Displacement* | 0.0110 | 0.00549 | 0.00025 | | mm |
| *RMS (1s fw 5.6)* | **0,72** | **0,41** | **0,03** | **0,83** | mm/s |
| *RMS (1s)* | **0,73** | **0,41** | **0,04** | **0,84** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:16** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 00:25:18 | *File Name:* | I446GD5A.I60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

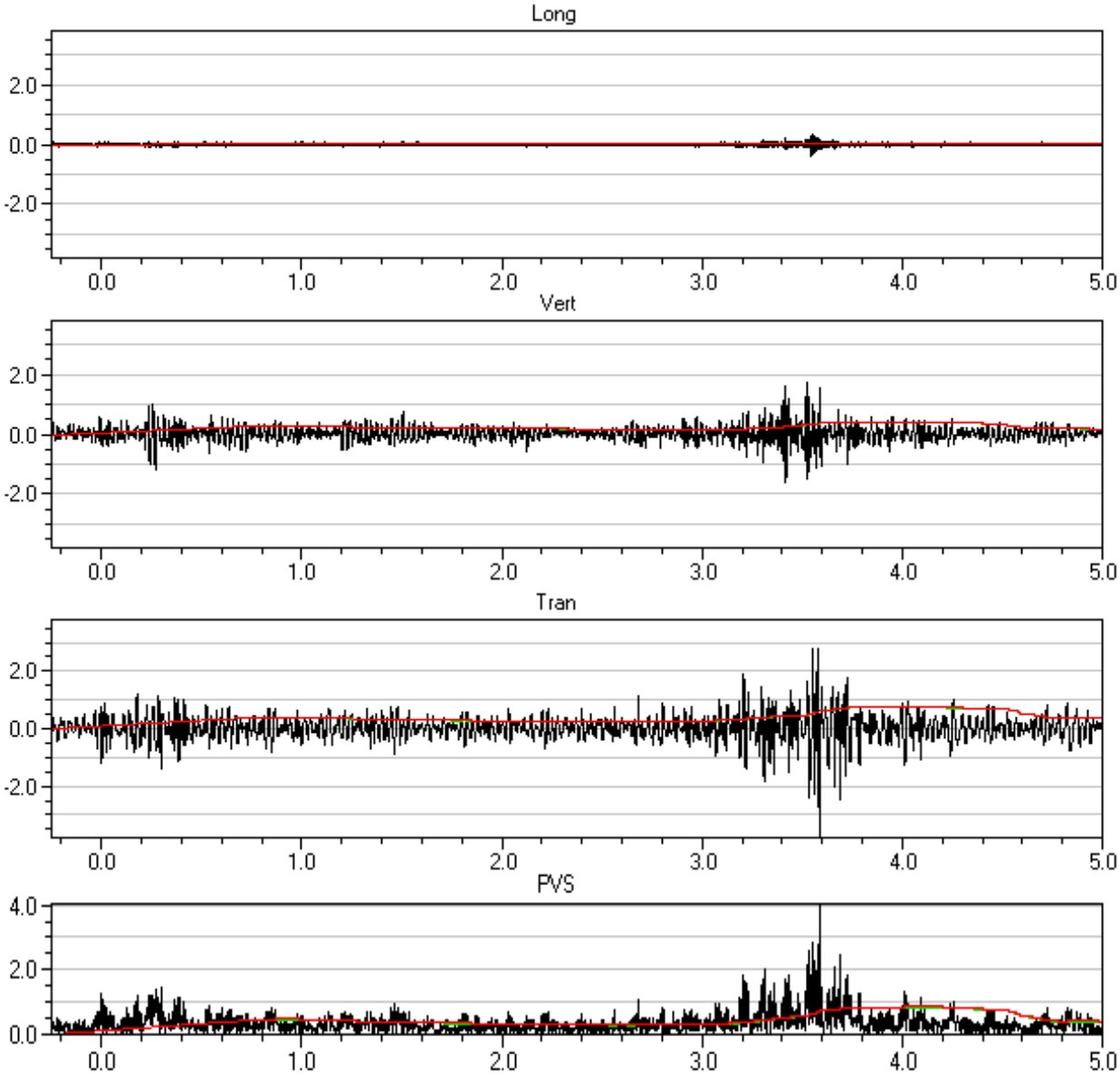
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.59 | 1.70 | 0.127 | 2.67 | mm/s |
| *Freq* | 39 | 47 | >100 | | Hz |
| *Time of Peak* | 2.416 | 2.412 | 2.271 | 2.416 | Sec |
| *Peak Acceleration* | 0.0762 | 0.0497 | 0.0116 | | g |
| *Peak Displacement* | 0.0110 | 0.00549 | 0.00025 | | mm |
| *RMS (1s fw 5.6)* | **0,72** | **0,41** | **0,03** | **0,83** | mm/s |
| *RMS (1s)* | **0,73** | **0,41** | **0,04** | **0,84** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:24** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:52:23 | *File Name:* | I446GD5H.BB0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

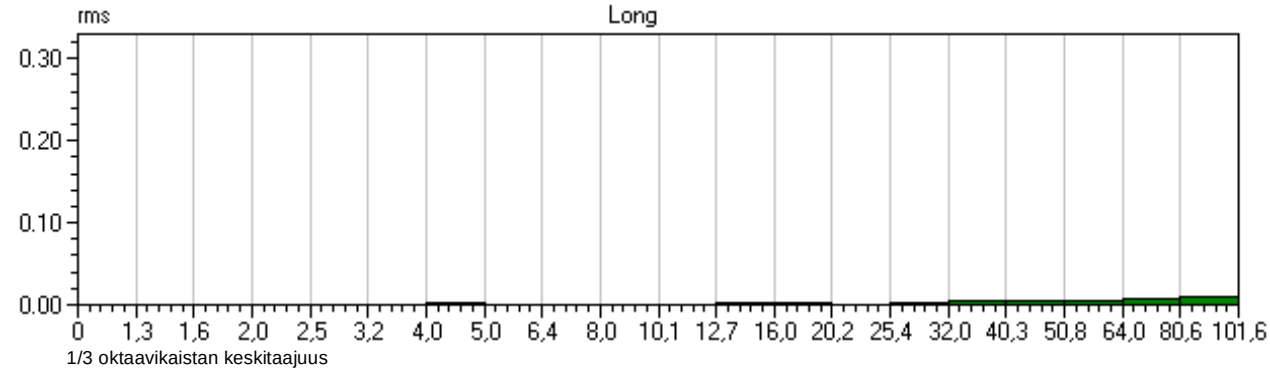
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.79 | 1.71 | 0.413 | 4.08 | mm/s |
| *Freq* | 47 | 73 | >100 | | Hz |
| *Time of Peak* | 3.586 | 3.521 | 3.545 | 3.586 | Sec |
| *Peak Acceleration* | 0.119 | 0.0878 | 0.0431 | | g |
| *Peak Displacement* | 0.0113 | 0.00411 | 0.00027 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,40** | **0,06** | **0,85** | mm/s |
| *RMS (1s)* | **0,76** | **0,40** | **0,06** | **0,86** | mm/s |

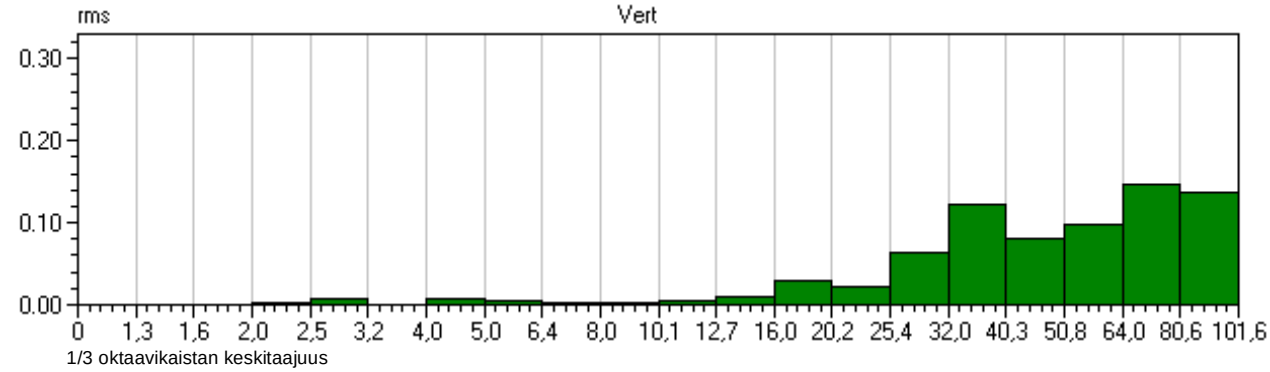


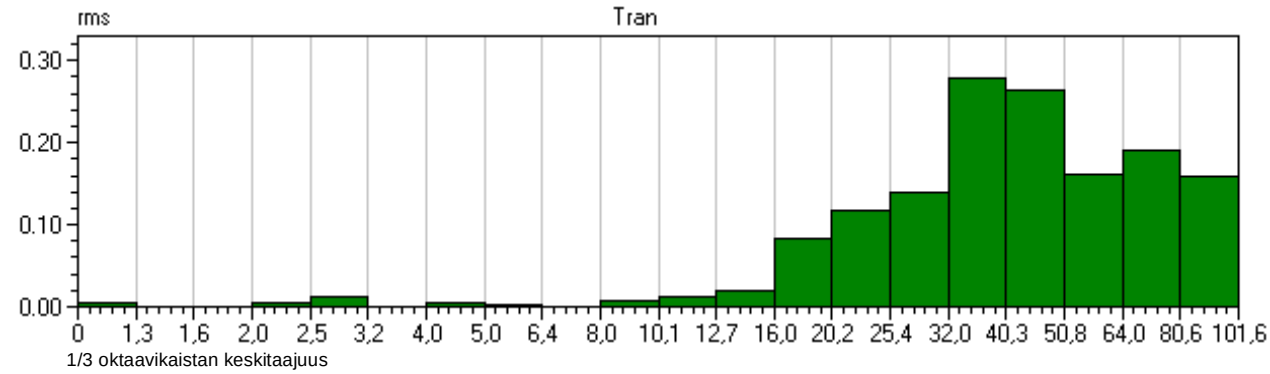
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:24** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:52:23 | *File Name:* | I446GD5H.BB0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.79 | 1.71 | 0.413 | 4.08 | mm/s |
| *Freq* | 47 | 73 | >100 | | Hz |
| *Time of Peak* | 3.586 | 3.521 | 3.545 | 3.586 | Sec |
| *Peak Acceleration* | 0.119 | 0.0878 | 0.0431 | | g |
| *Peak Displacement* | 0.0113 | 0.00411 | 0.00027 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,40** | **0,06** | **0,85** | mm/s |
| *RMS (1s)* | **0,76** | **0,40** | **0,06** | **0,86** | mm/s |



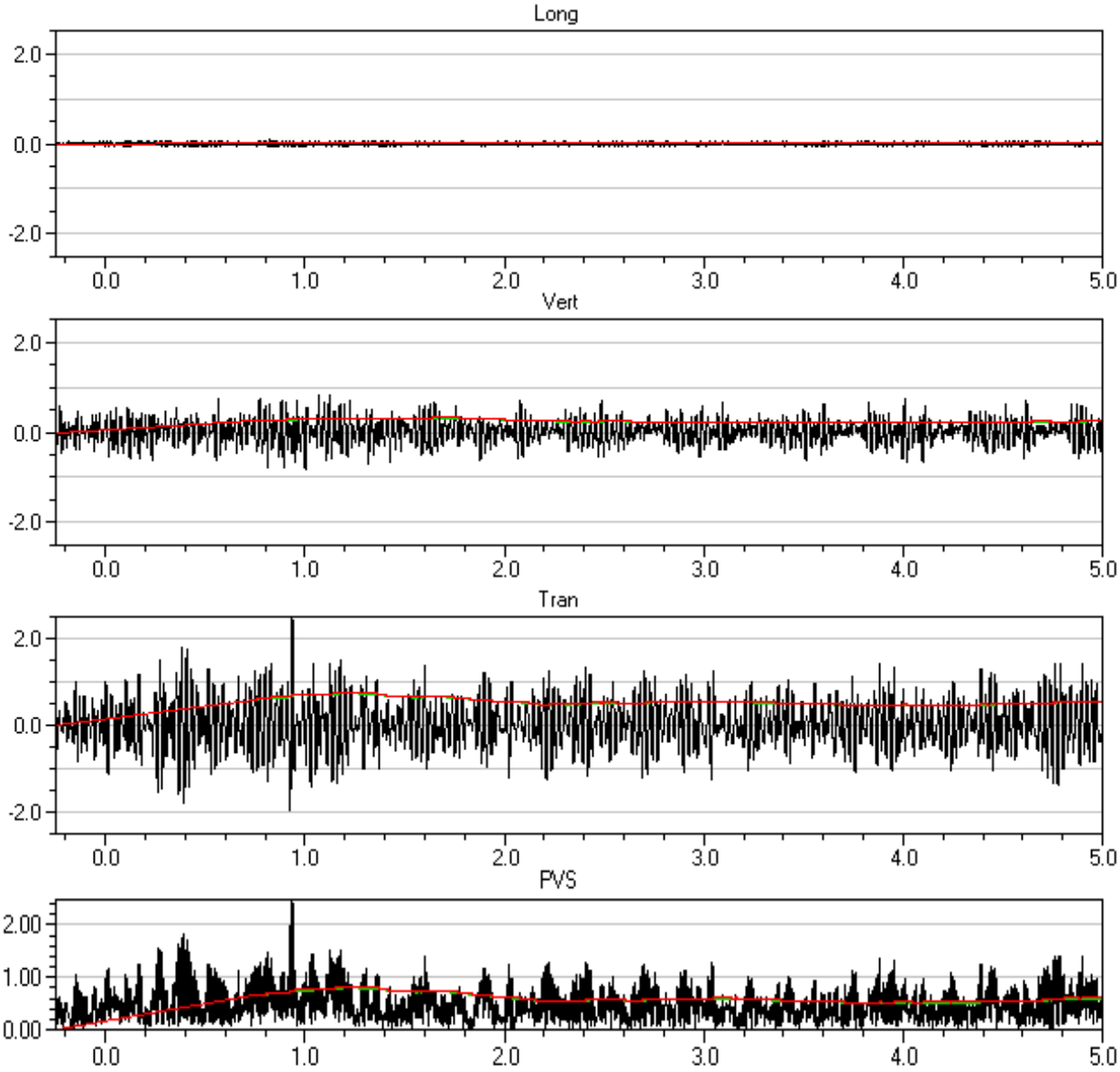



**BlastView RMS report. Generated: 19.5.2016 10:53:26** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 03:18:57 | *File Name:* | I446GD5I.JL0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

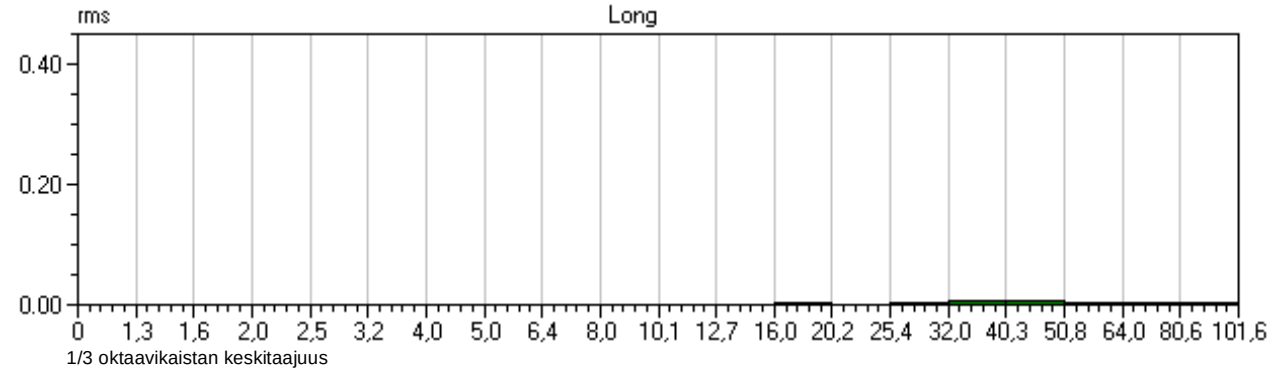
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.51 | 0.825 | 0.0952 | 2.55 | mm/s |
| *Freq* | 43 | 43 | >100 | | Hz |
| *Time of Peak* | 0.935 | 1.067 | 0.822 | 0.935 | Sec |
| *Peak Acceleration* | 0.0729 | 0.0265 | 0.00994 | | g |
| *Peak Displacement* | 0.00920 | 0.00360 | 0.00014 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,32** | **0,03** | **0,81** | mm/s |
| *RMS (1s)* | **0,76** | **0,33** | **0,03** | **0,82** | mm/s |

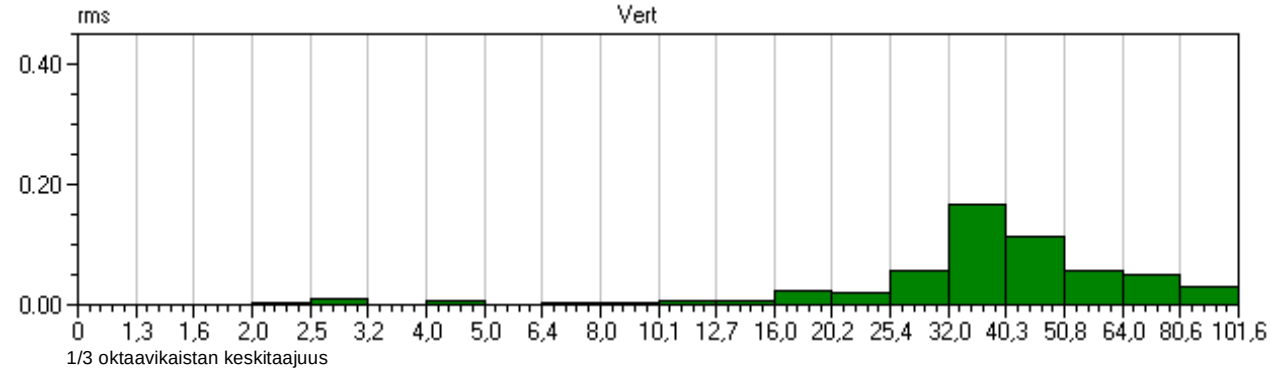


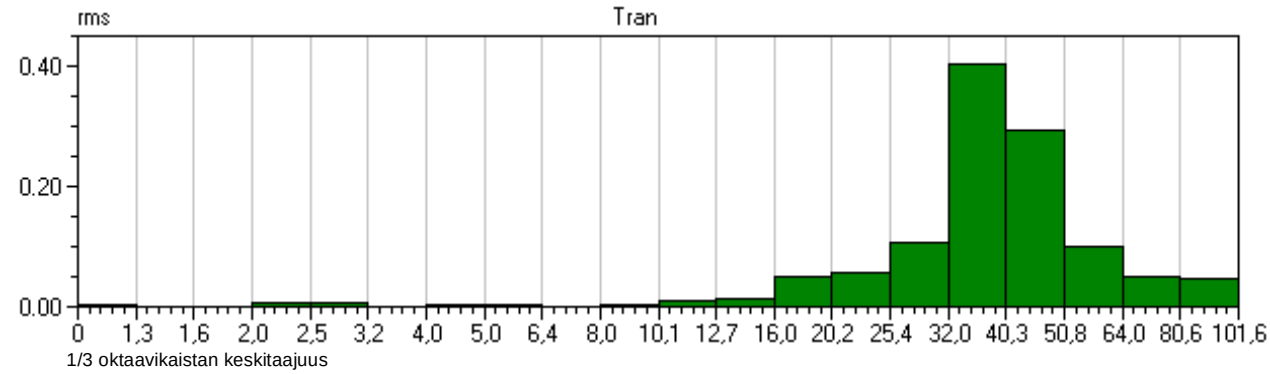
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:26** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 03:18:57 | *File Name:* | I446GD5I.JL0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.51 | 0.825 | 0.0952 | 2.55 | mm/s |
| *Freq* | 43 | 43 | >100 | | Hz |
| *Time of Peak* | 0.935 | 1.067 | 0.822 | 0.935 | Sec |
| *Peak Acceleration* | 0.0729 | 0.0265 | 0.00994 | | g |
| *Peak Displacement* | 0.00920 | 0.00360 | 0.00014 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,32** | **0,03** | **0,81** | mm/s |
| *RMS (1s)* | **0,76** | **0,33** | **0,03** | **0,82** | mm/s |



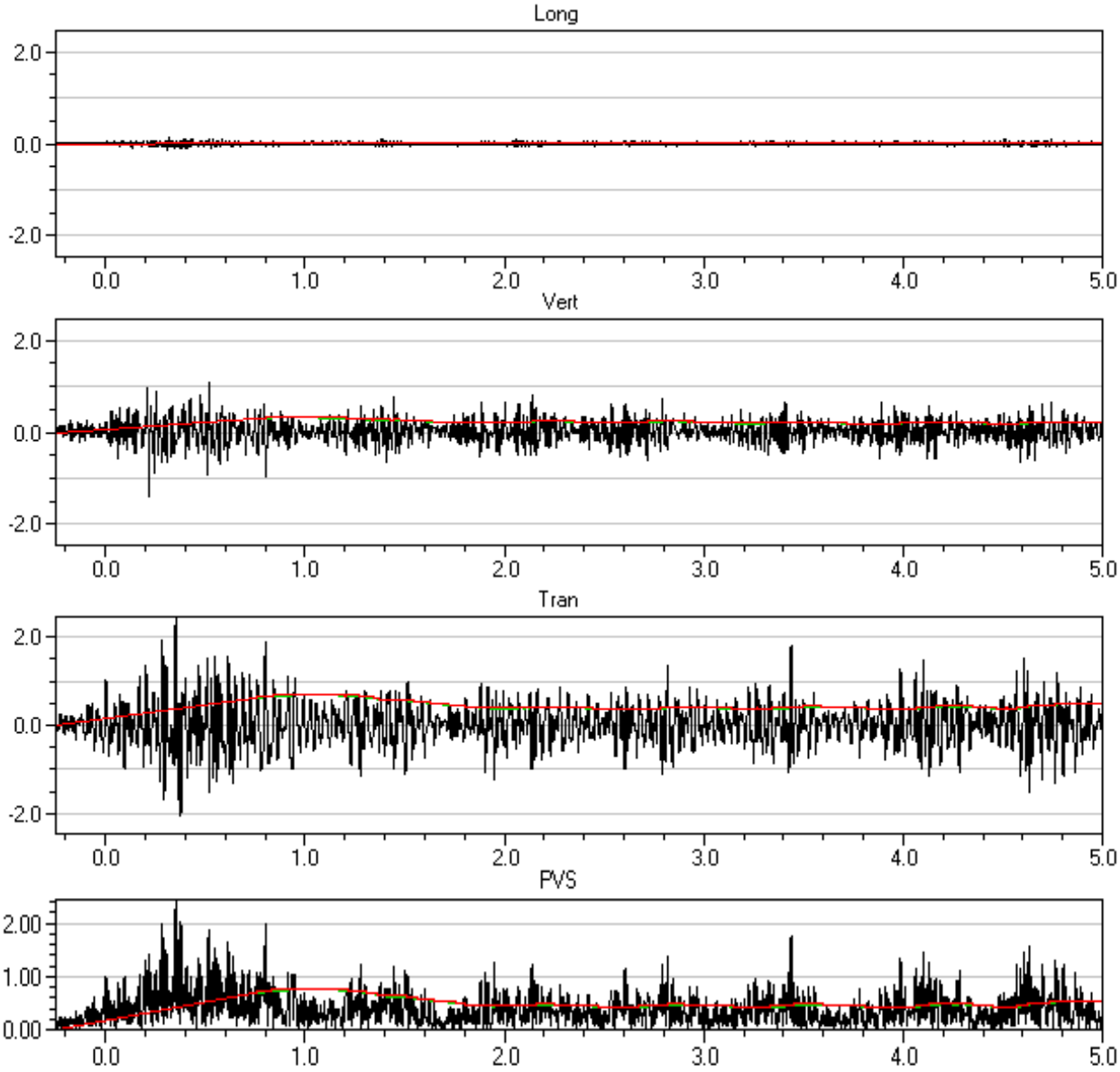



**BlastView RMS report. Generated: 19.5.2016 10:53:28** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 06:08:30 | *File Name:* | I446GD5Q.E60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

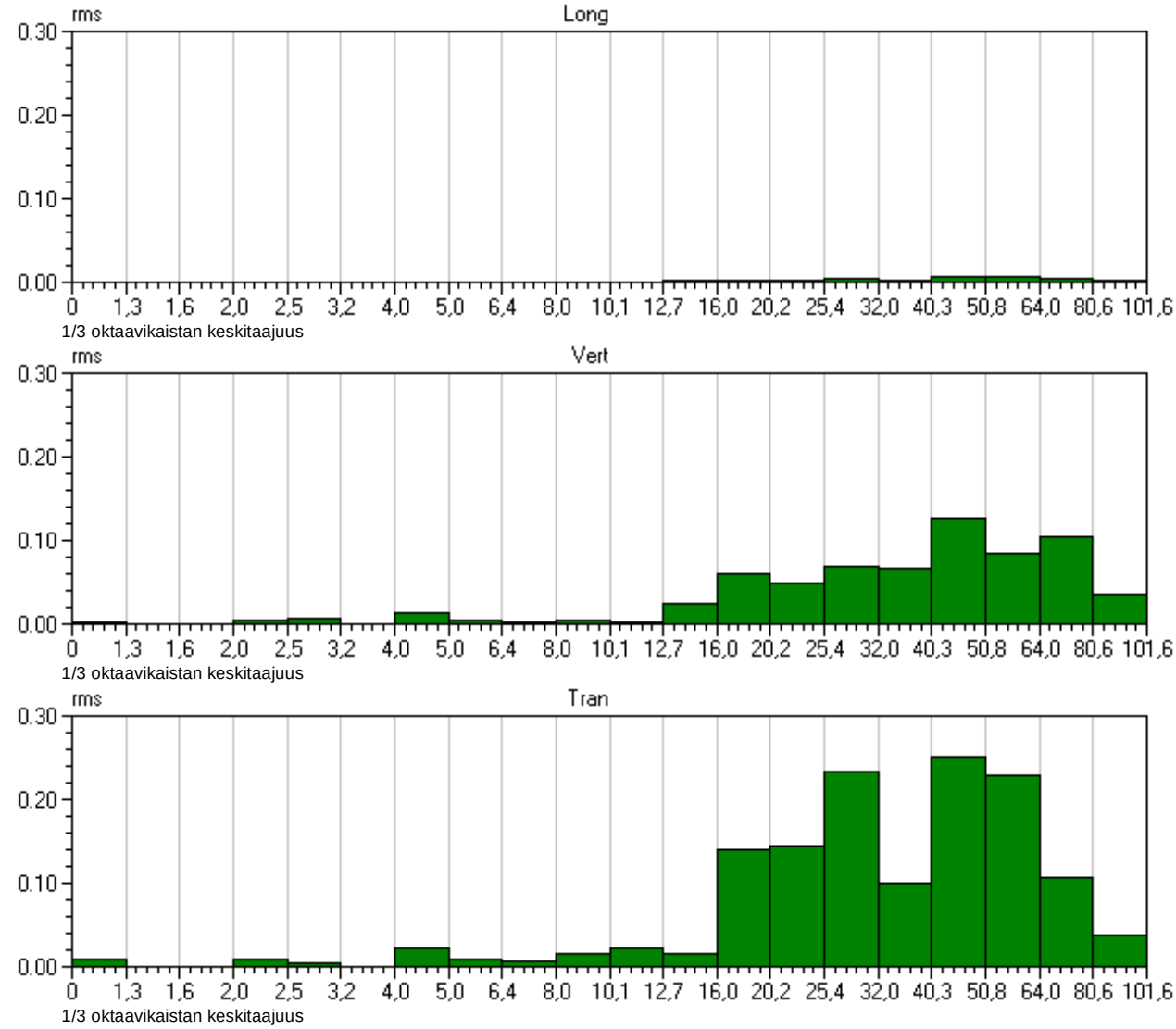
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.46 | 1.38 | 0.127 | 2.47 | mm/s |
| *Freq* | 39 | 51 | >100 | | Hz |
| *Time of Peak* | 0.351 | 0.216 | 0.309 | 0.351 | Sec |
| *Peak Acceleration* | 0.0713 | 0.0447 | 0.0116 | | g |
| *Peak Displacement* | 0.00981 | 0.00388 | 0.00015 | | mm |
| *RMS (1s fw 5.6)* | **0,69** | **0,32** | **0,03** | **0,76** | mm/s |
| *RMS (1s)* | **0,70** | **0,33** | **0,03** | **0,77** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:28** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 06:08:30 | *File Name:* | I446GD5Q.E60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

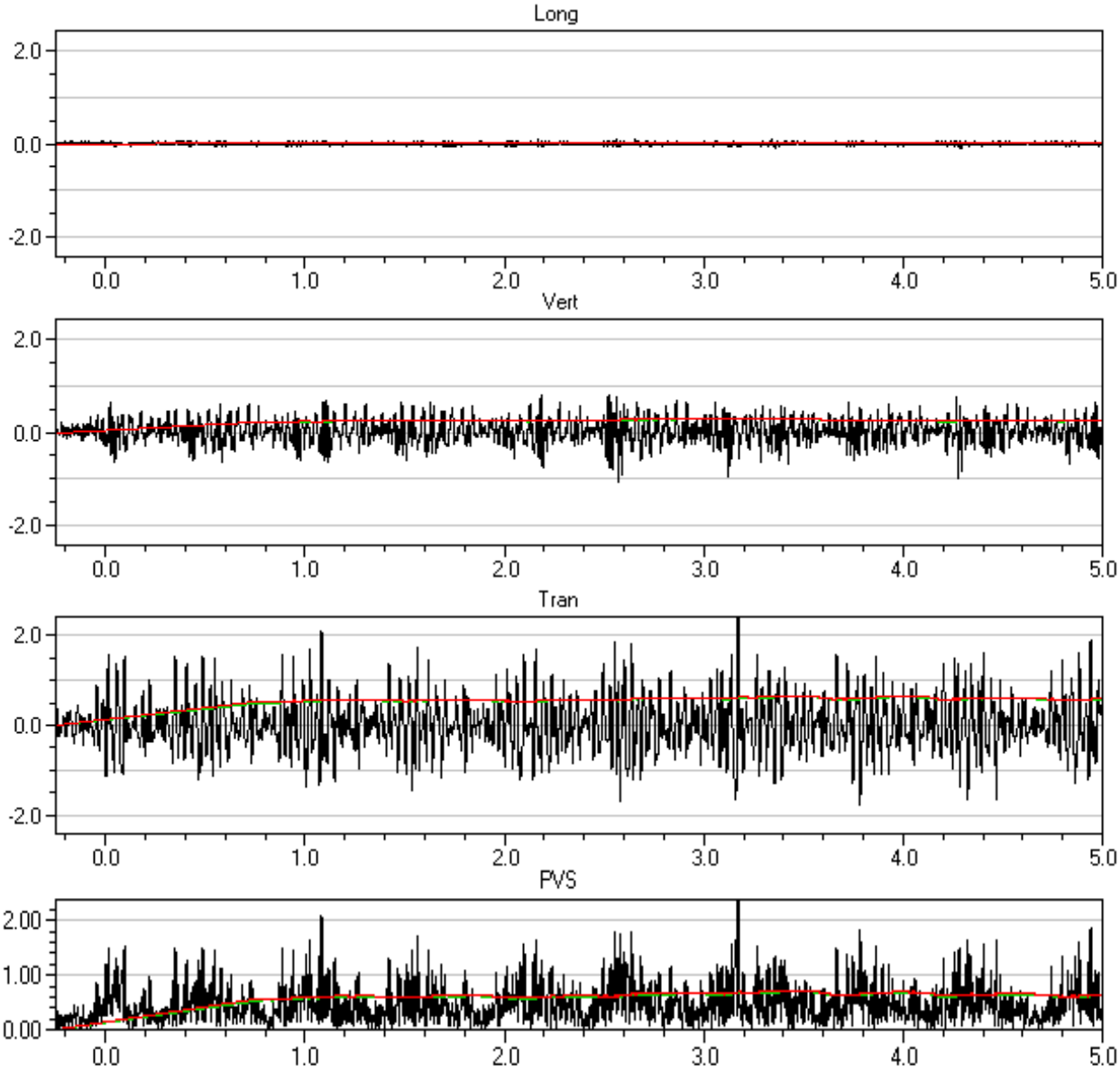
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.46 | 1.38 | 0.127 | 2.47 | mm/s |
| *Freq* | 39 | 51 | >100 | | Hz |
| *Time of Peak* | 0.351 | 0.216 | 0.309 | 0.351 | Sec |
| *Peak Acceleration* | 0.0713 | 0.0447 | 0.0116 | | g |
| *Peak Displacement* | 0.00981 | 0.00388 | 0.00015 | | mm |
| *RMS (1s fw 5.6)* | **0,69** | **0,32** | **0,03** | **0,76** | mm/s |
| *RMS (1s)* | **0,70** | **0,33** | **0,03** | **0,77** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:29** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:49 | *File Name:* | I446GD5T.BP0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

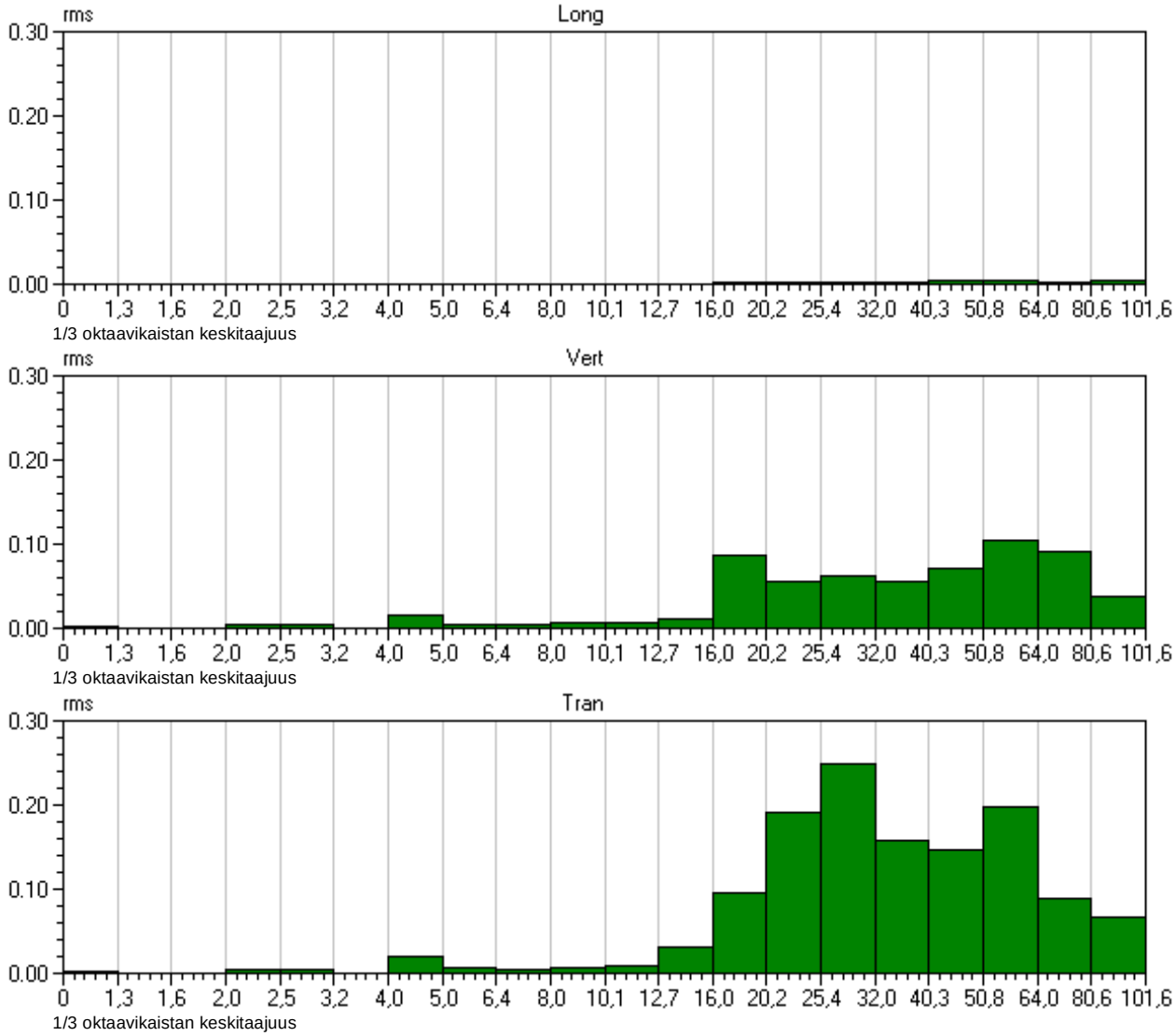
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.05 | 0.0952 | 2.41 | mm/s |
| *Freq* | 47 | 51 | >100 | | Hz |
| *Time of Peak* | 3.172 | 2.570 | 2.558 | 3.172 | Sec |
| *Peak Acceleration* | 0.0679 | 0.0381 | 0.00994 | | g |
| *Peak Displacement* | 0.0118 | 0.00391 | 0.00016 | | mm |
| *RMS (1s fw 5.6)* | **0,65** | **0,30** | **0,02** | **0,71** | mm/s |
| *RMS (1s)* | **0,66** | **0,30** | **0,02** | **0,73** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:30** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:49 | *File Name:* | I446GD5T.BP0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

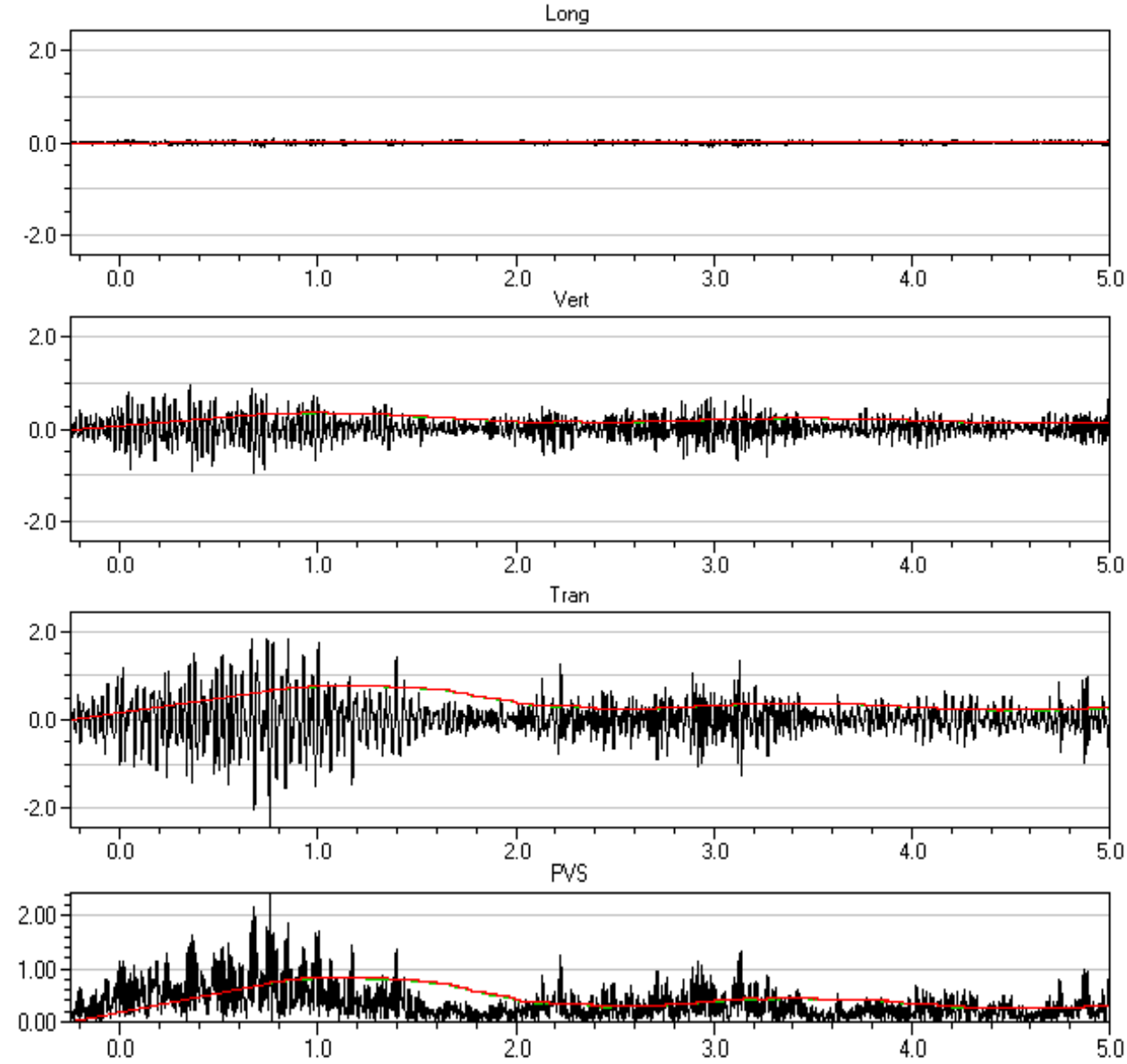
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.05 | 0.0952 | 2.41 | mm/s |
| *Freq* | 47 | 51 | >100 | | Hz |
| *Time of Peak* | 3.172 | 2.570 | 2.558 | 3.172 | Sec |
| *Peak Acceleration* | 0.0679 | 0.0381 | 0.00994 | | g |
| *Peak Displacement* | 0.0118 | 0.00391 | 0.00016 | | mm |
| *RMS (1s fw 5.6)* | **0,65** | **0,30** | **0,02** | **0,71** | mm/s |
| *RMS (1s)* | **0,66** | **0,30** | **0,02** | **0,73** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:31** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:31:37 | *File Name:* | I446GD5X.0P0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

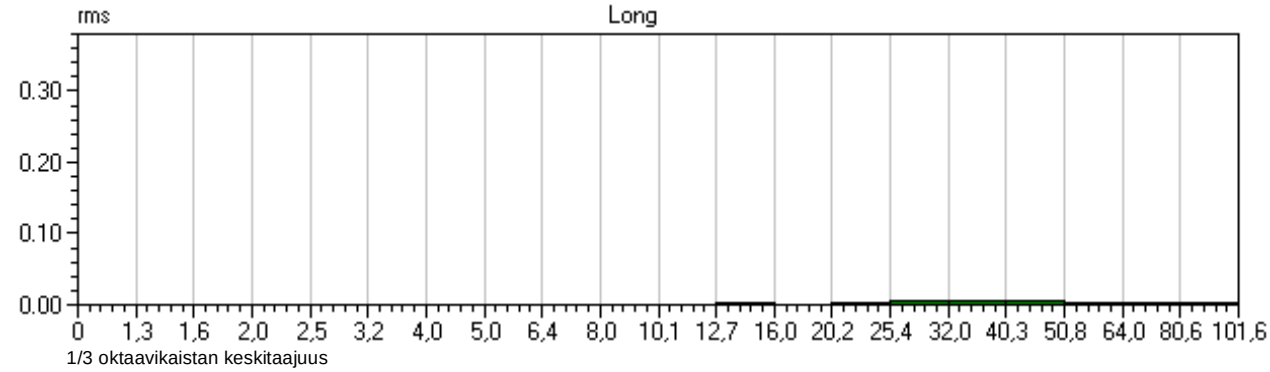
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.43 | 0.968 | 0.0952 | 2.43 | mm/s |
| *Freq* | 37 | 43 | >100 | | Hz |
| *Time of Peak* | 0.756 | 0.351 | 2.972 | 0.756 | Sec |
| *Peak Acceleration* | 0.0497 | 0.0315 | 0.00994 | | g |
| *Peak Displacement* | 0.0102 | 0.00380 | 0.00019 | | mm |
| *RMS (1s fw 5.6)* | **0,77** | **0,36** | **0,02** | **0,84** | mm/s |
| *RMS (1s)* | **0,78** | **0,36** | **0,02** | **0,85** | mm/s |

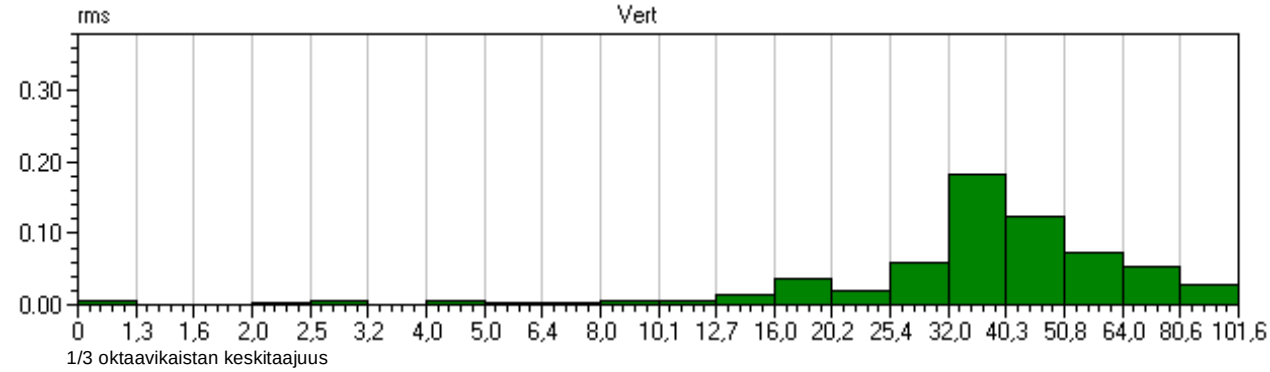


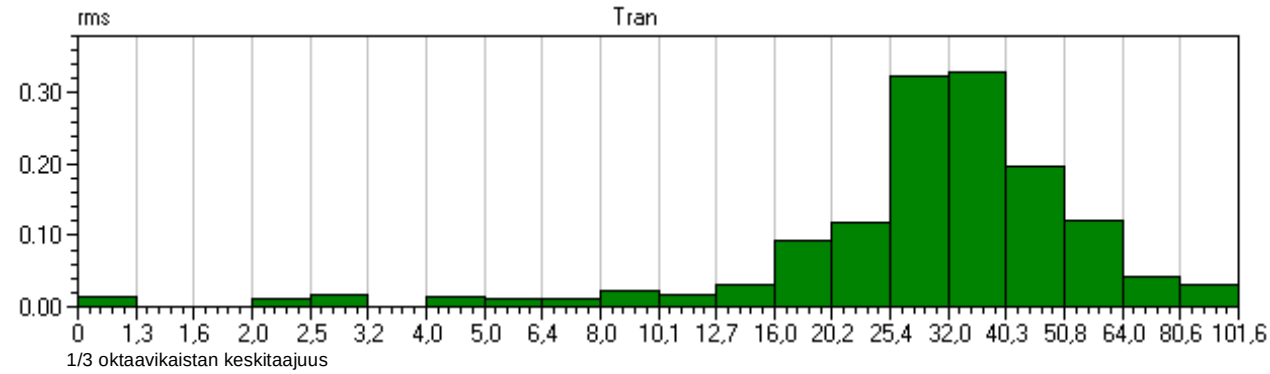
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:31** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:31:37 | *File Name:* | I446GD5X.0P0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.43 | 0.968 | 0.0952 | 2.43 | mm/s |
| *Freq* | 37 | 43 | >100 | | Hz |
| *Time of Peak* | 0.756 | 0.351 | 2.972 | 0.756 | Sec |
| *Peak Acceleration* | 0.0497 | 0.0315 | 0.00994 | | g |
| *Peak Displacement* | 0.0102 | 0.00380 | 0.00019 | | mm |
| *RMS (1s fw 5.6)* | **0,77** | **0,36** | **0,02** | **0,84** | mm/s |
| *RMS (1s)* | **0,78** | **0,36** | **0,02** | **0,85** | mm/s |



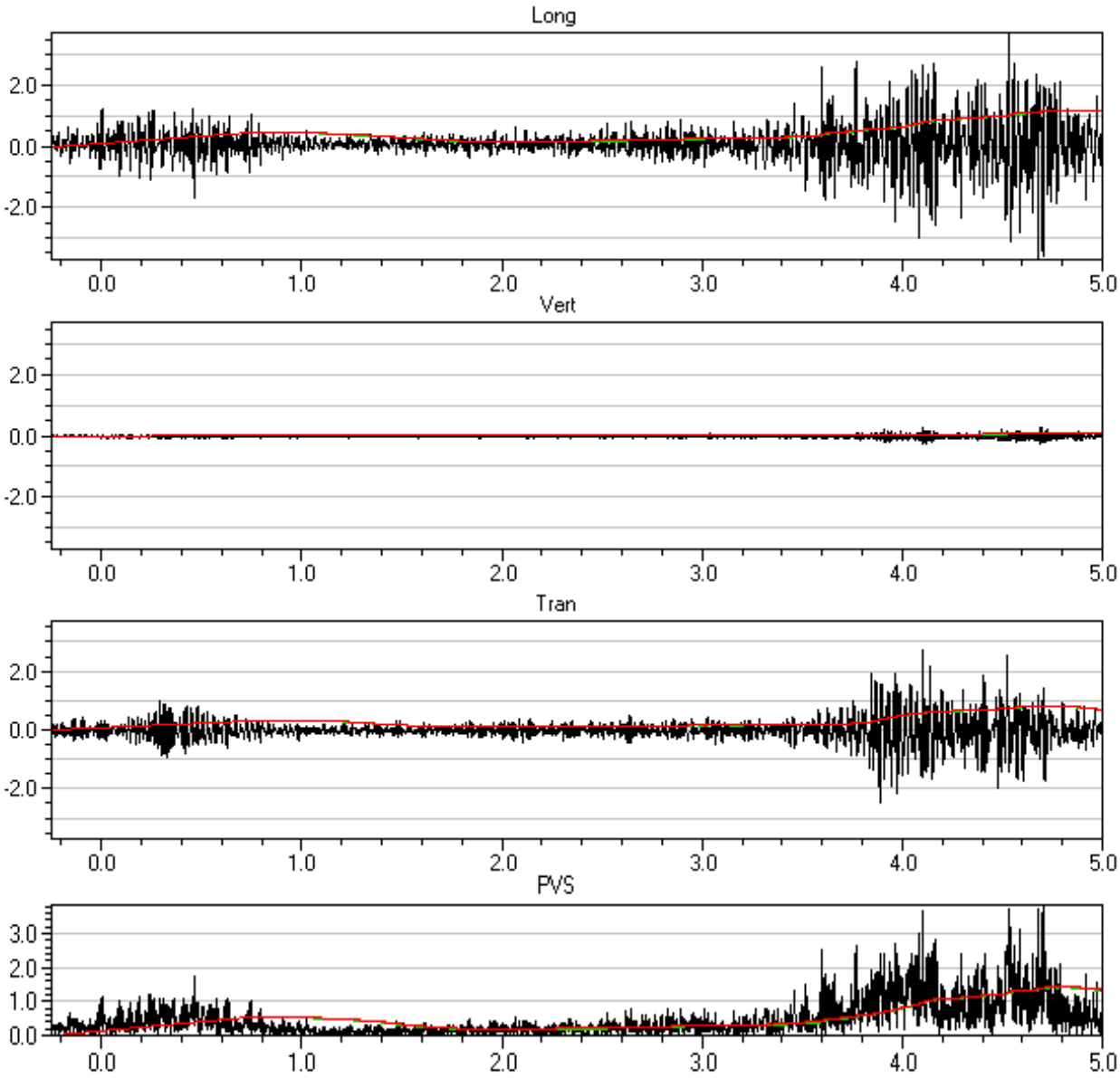



**BlastView RMS report. Generated: 19.5.2016 10:53:21** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:06 | *File Name:* | I446GD62.S60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

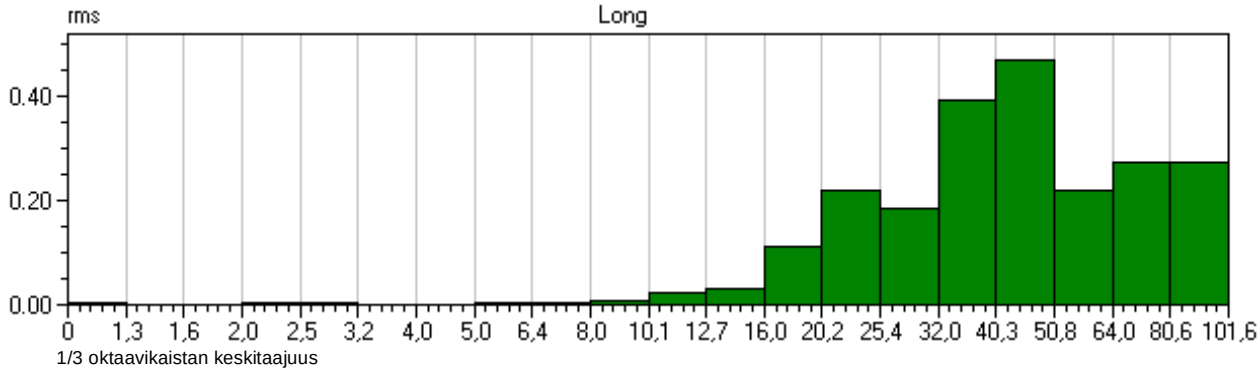
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.71 | 0.286 | 3.71 | 3.81 | mm/s |
| *Freq* | 57 | >100 | 37 | | Hz |
| *Time of Peak* | 4.104 | 4.102 | 4.530 | 4.530 | Sec |
| *Peak Acceleration* | 0.101 | 0.0298 | 0.151 | | g |
| *Peak Displacement* | 0.00802 | 0.00029 | 0.0142 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **0,07** | **1,17** | **1,42** | mm/s |
| *RMS (1s)* | **0,81** | **0,08** | **1,19** | **1,44** | mm/s |

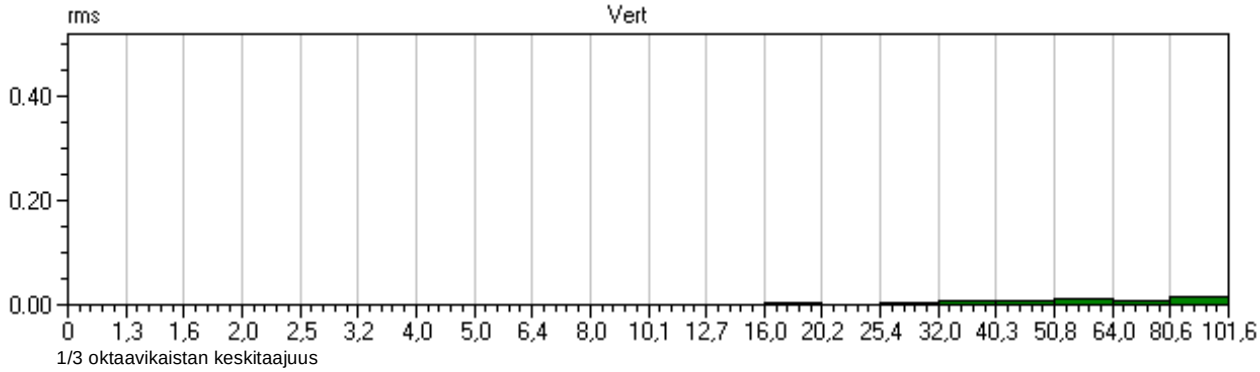


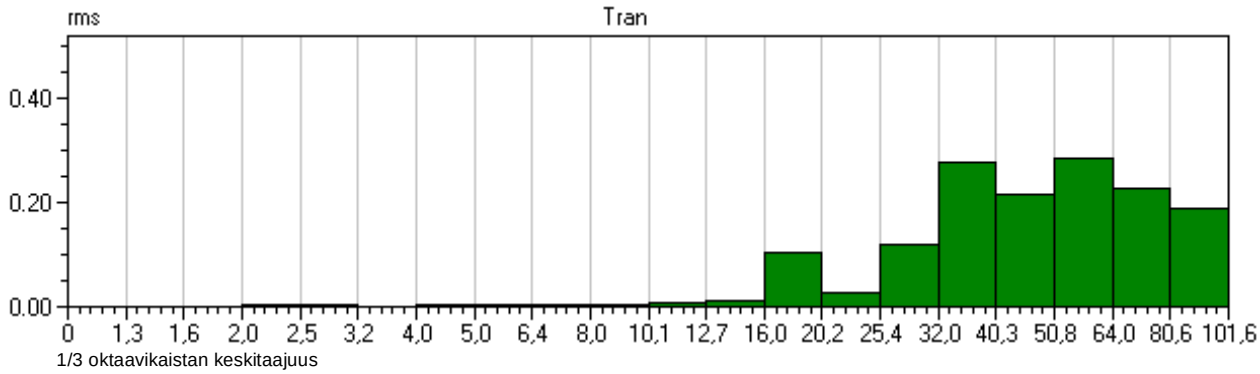
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:21** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:06 | *File Name:* | I446GD62.S60W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.71 | 0.286 | 3.71 | 3.81 | mm/s |
| *Freq* | 57 | >100 | 37 | | Hz |
| *Time of Peak* | 4.104 | 4.102 | 4.530 | 4.530 | Sec |
| *Peak Acceleration* | 0.101 | 0.0298 | 0.151 | | g |
| *Peak Displacement* | 0.00802 | 0.00029 | 0.0142 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **0,07** | **1,17** | **1,42** | mm/s |
| *RMS (1s)* | **0,81** | **0,08** | **1,19** | **1,44** | mm/s |



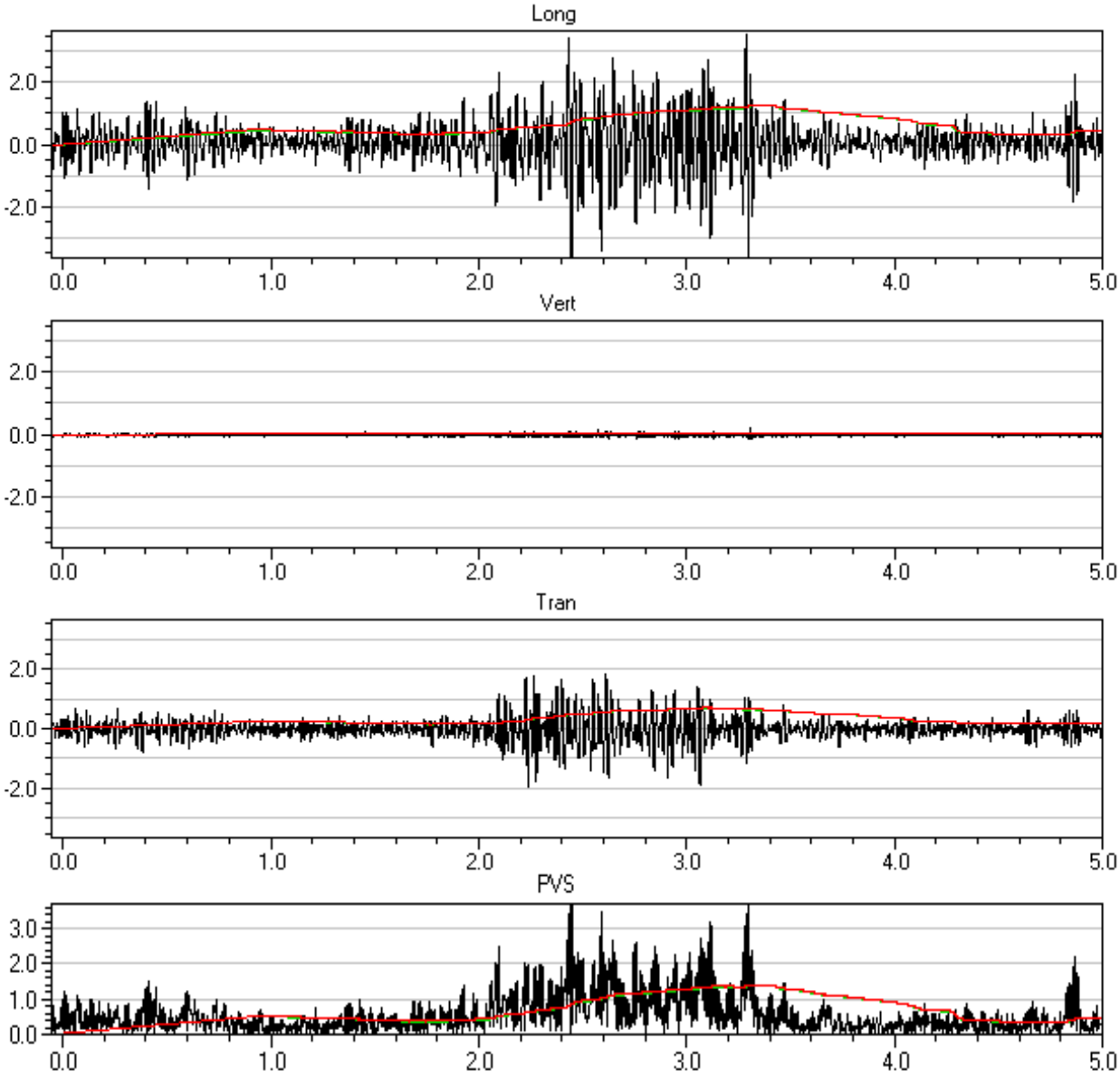



**BlastView RMS report. Generated: 19.5.2016 10:53:17** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:17 | *File Name:* | I446GD62.SH0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

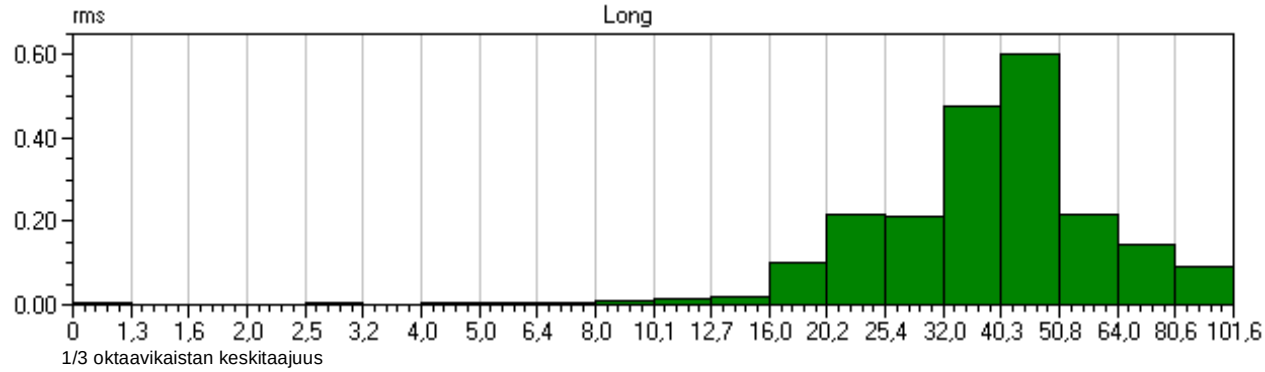
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.95 | 0.190 | 3.65 | 3.70 | mm/s |
| *Freq* | 47 | >100 | 37 | | Hz |
| *Time of Peak* | 2.236 | 3.304 | 2.446 | 2.446 | Sec |
| *Peak Acceleration* | 0.0613 | 0.0182 | 0.136 | | g |
| *Peak Displacement* | 0.00722 | 0.00035 | 0.0156 | | mm |
| *RMS (1s fw 5.6)* | **0,70** | **0,04** | **1,24** | **1,40** | mm/s |
| *RMS (1s)* | **0,70** | **0,05** | **1,26** | **1,41** | mm/s |

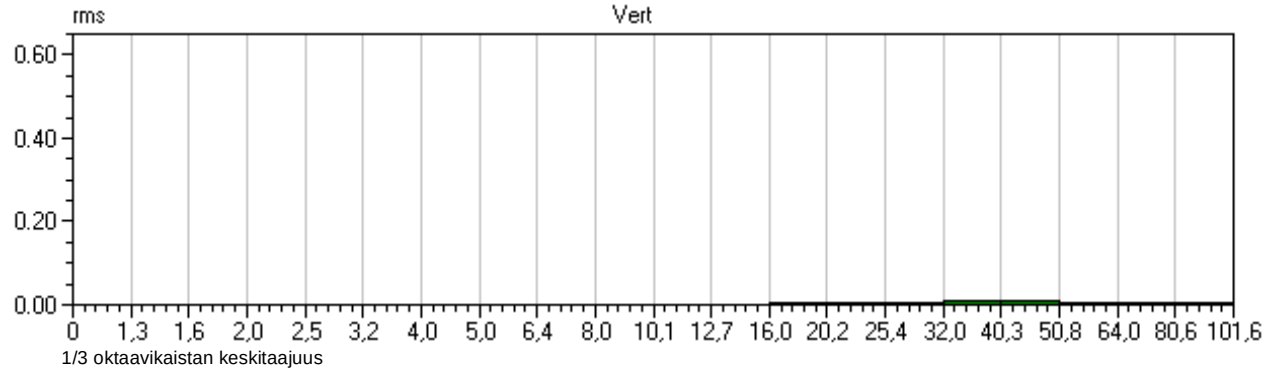


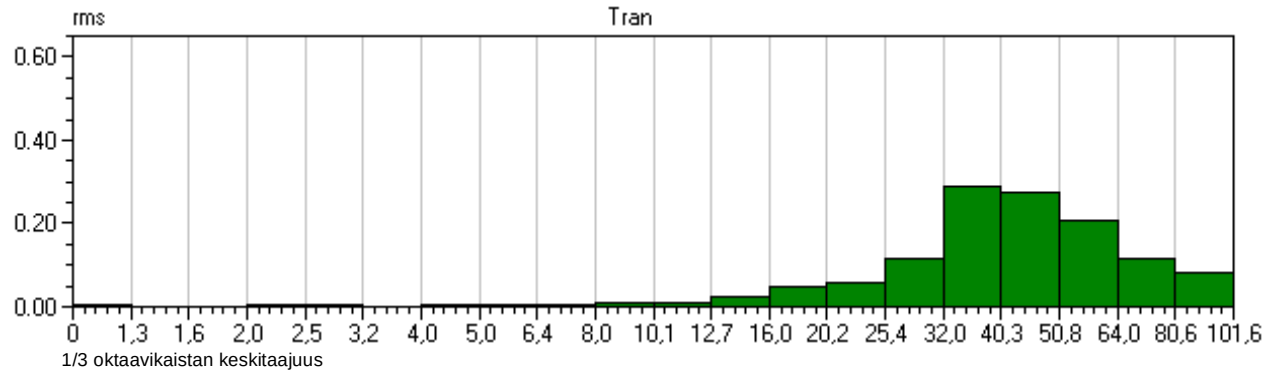
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:18** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:17 | *File Name:* | I446GD62.SH0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.95 | 0.190 | 3.65 | 3.70 | mm/s |
| *Freq* | 47 | >100 | 37 | | Hz |
| *Time of Peak* | 2.236 | 3.304 | 2.446 | 2.446 | Sec |
| *Peak Acceleration* | 0.0613 | 0.0182 | 0.136 | | g |
| *Peak Displacement* | 0.00722 | 0.00035 | 0.0156 | | mm |
| *RMS (1s fw 5.6)* | **0,70** | **0,04** | **1,24** | **1,40** | mm/s |
| *RMS (1s)* | **0,70** | **0,05** | **1,26** | **1,41** | mm/s |



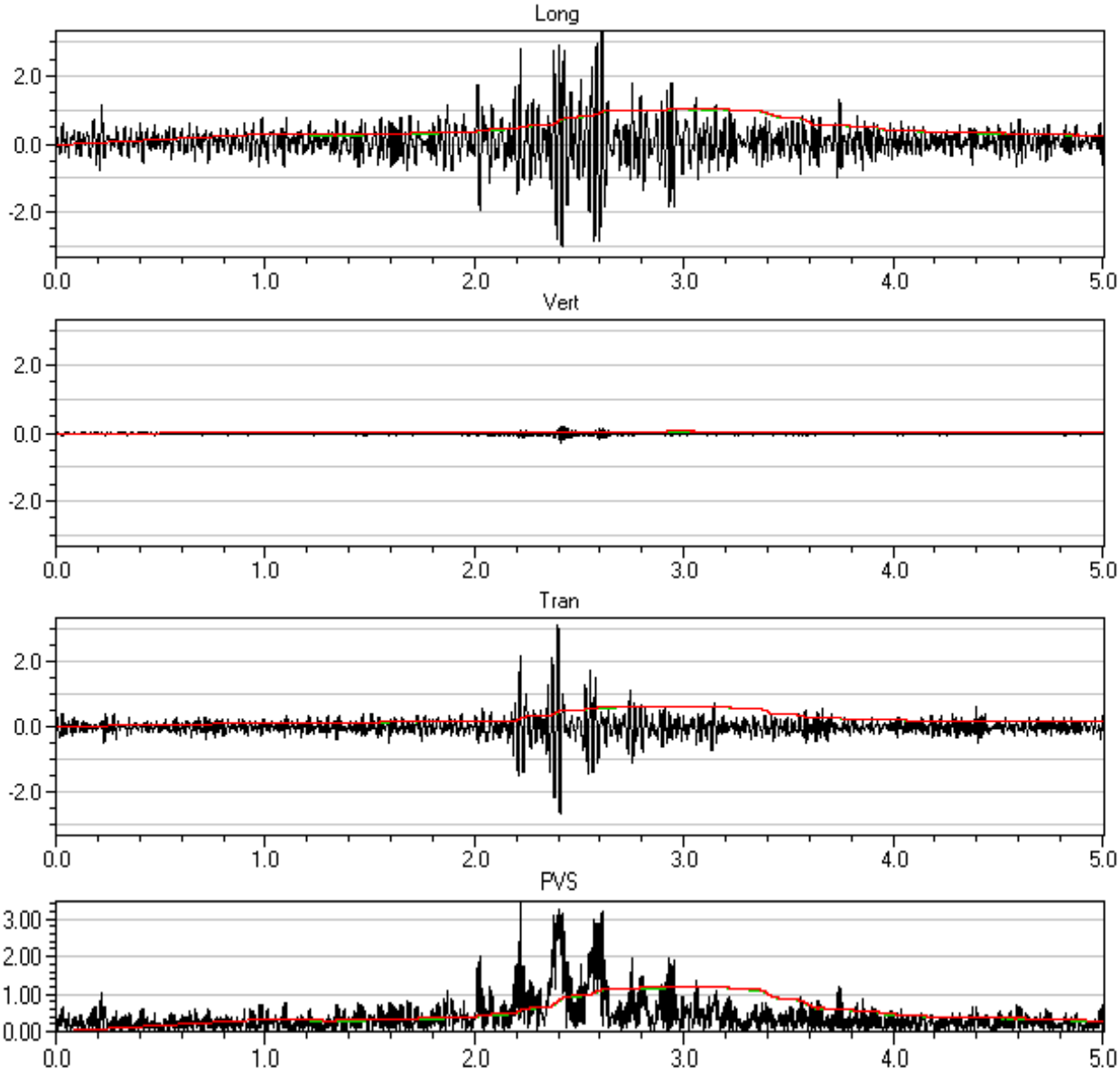



**BlastView RMS report. Generated: 19.5.2016 10:53:19** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:22 | *File Name:* | I446GD62.SM0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

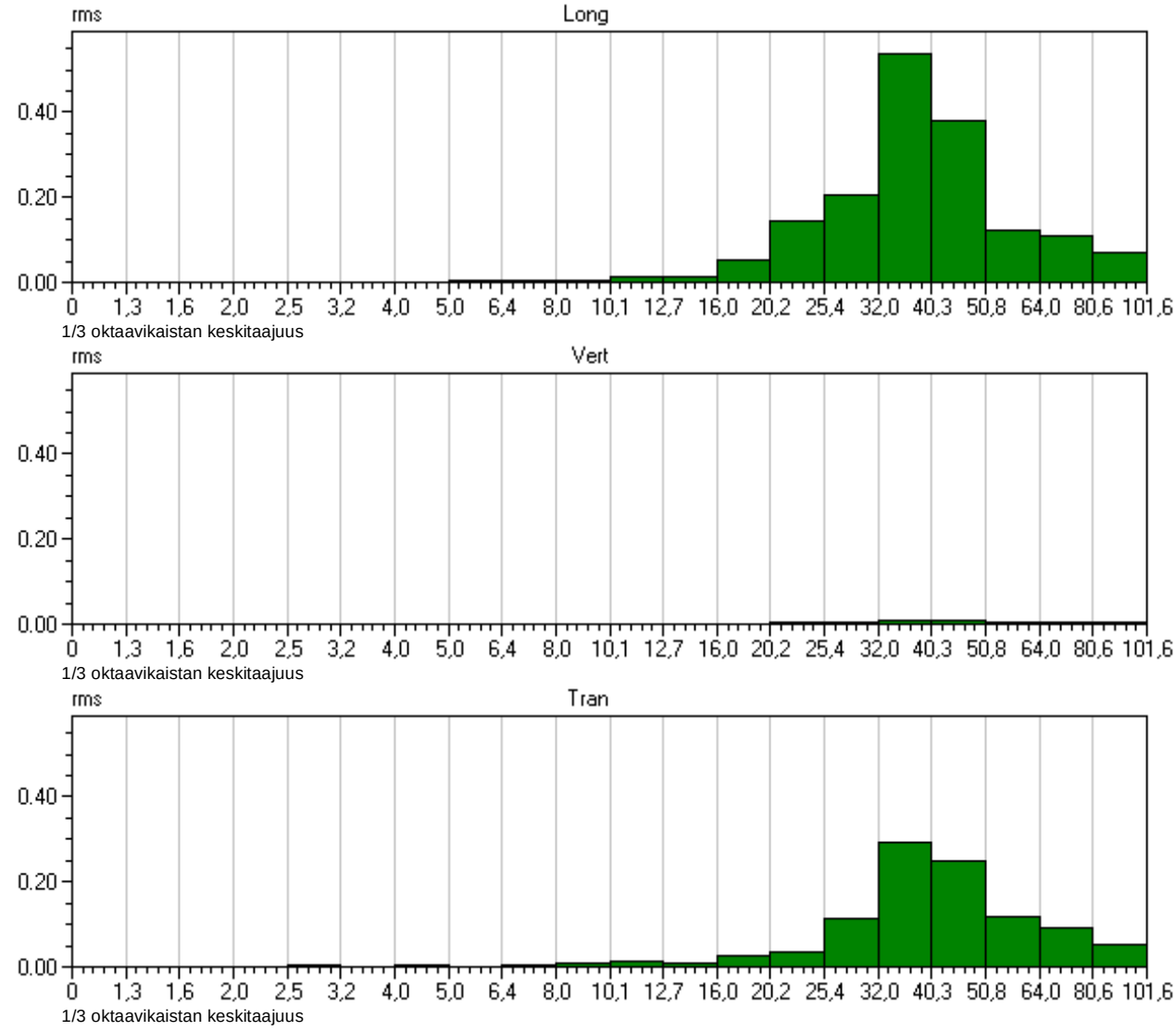
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.11 | 0.270 | 3.33 | 3.55 | mm/s |
| *Freq* | 43 | >100 | 39 | | Hz |
| *Time of Peak* | 2.389 | 2.398 | 2.600 | 2.208 | Sec |
| *Peak Acceleration* | 0.0895 | 0.0282 | 0.109 | | g |
| *Peak Displacement* | 0.0102 | 0.00041 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **0,62** | **0,05** | **1,03** | **1,20** | mm/s |
| *RMS (1s)* | **0,62** | **0,05** | **1,04** | **1,22** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:19** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:22 | *File Name:* | I446GD62.SM0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

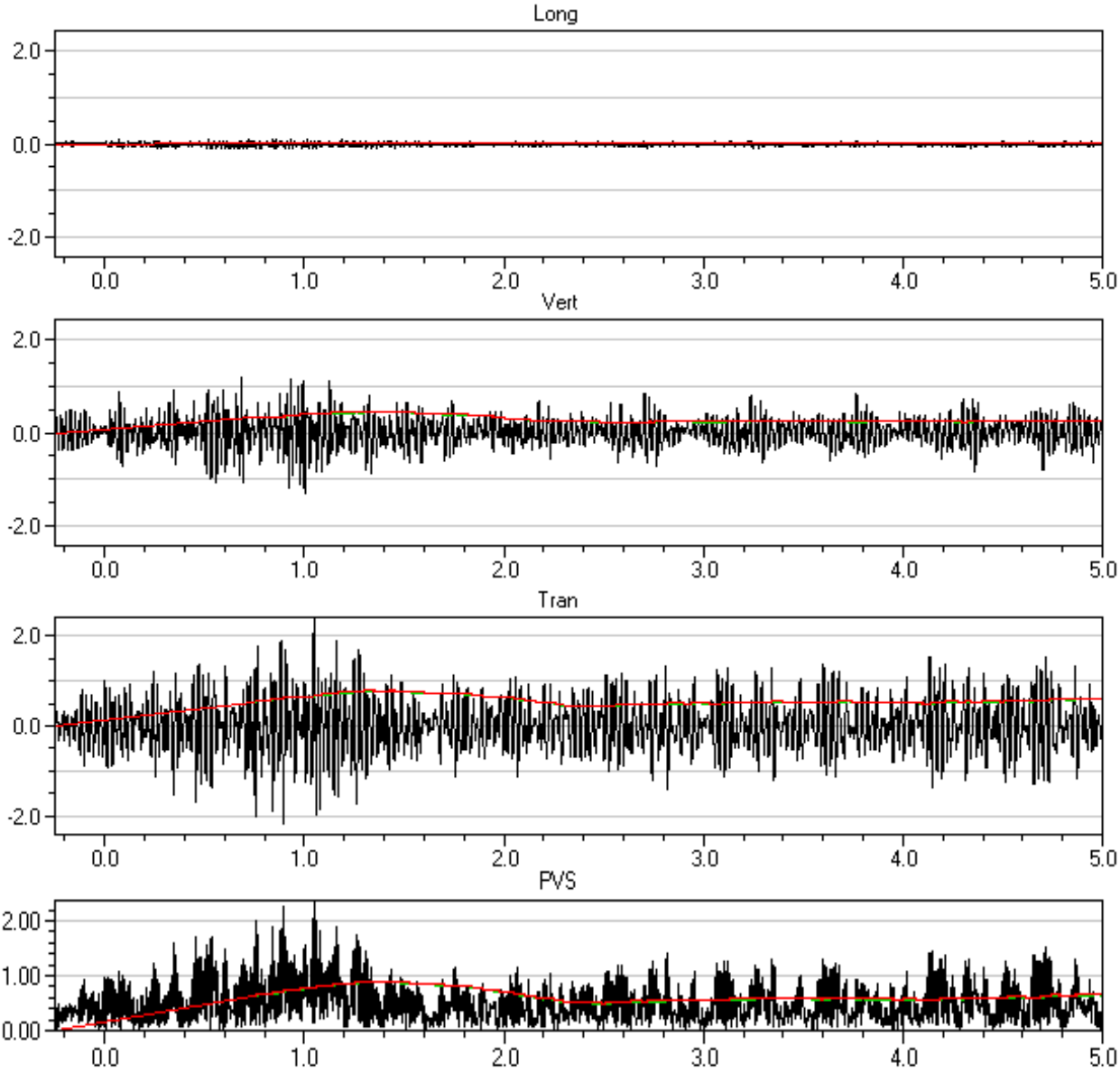
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.11 | 0.270 | 3.33 | 3.55 | mm/s |
| *Freq* | 43 | >100 | 39 | | Hz |
| *Time of Peak* | 2.389 | 2.398 | 2.600 | 2.208 | Sec |
| *Peak Acceleration* | 0.0895 | 0.0282 | 0.109 | | g |
| *Peak Displacement* | 0.0102 | 0.00041 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **0,62** | **0,05** | **1,03** | **1,20** | mm/s |
| *RMS (1s)* | **0,62** | **0,05** | **1,04** | **1,22** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:23** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 16:53:47 | *File Name:* | I446GD6K.9N0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

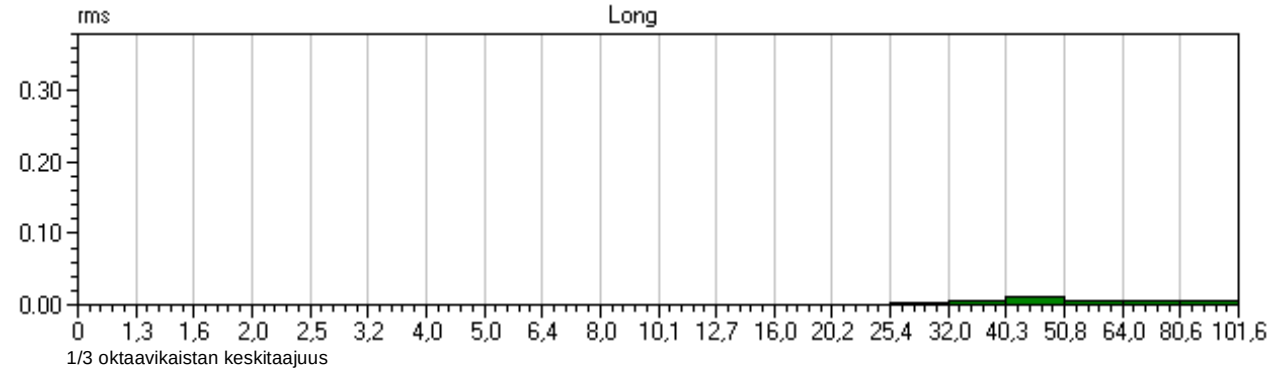
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.30 | 0.111 | 2.42 | mm/s |
| *Freq* | 43 | 51 | >100 | | Hz |
| *Time of Peak* | 1.047 | 1.001 | 0.625 | 1.047 | Sec |
| *Peak Acceleration* | 0.0646 | 0.0514 | 0.00994 | | g |
| *Peak Displacement* | 0.00848 | 0.00401 | 0.00020 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,43** | **0,03** | **0,89** | mm/s |
| *RMS (1s)* | **0,79** | **0,44** | **0,04** | **0,90** | mm/s |

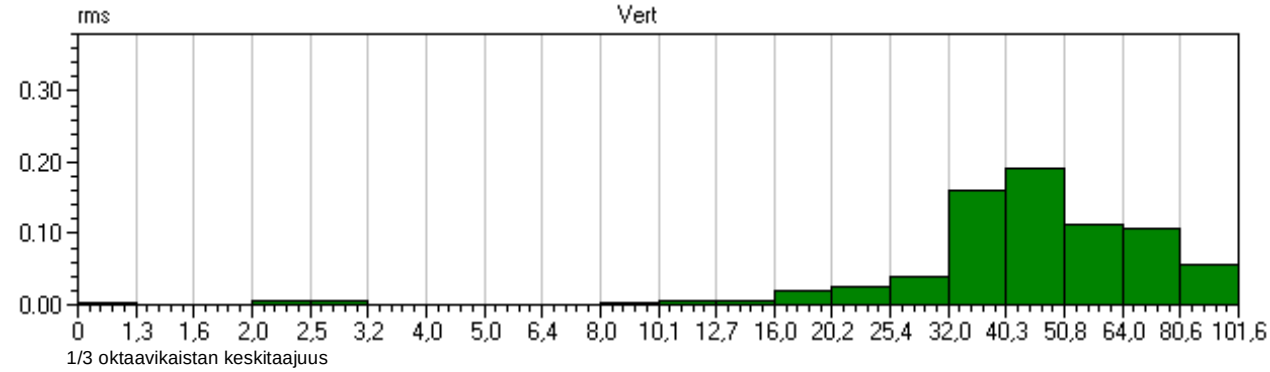


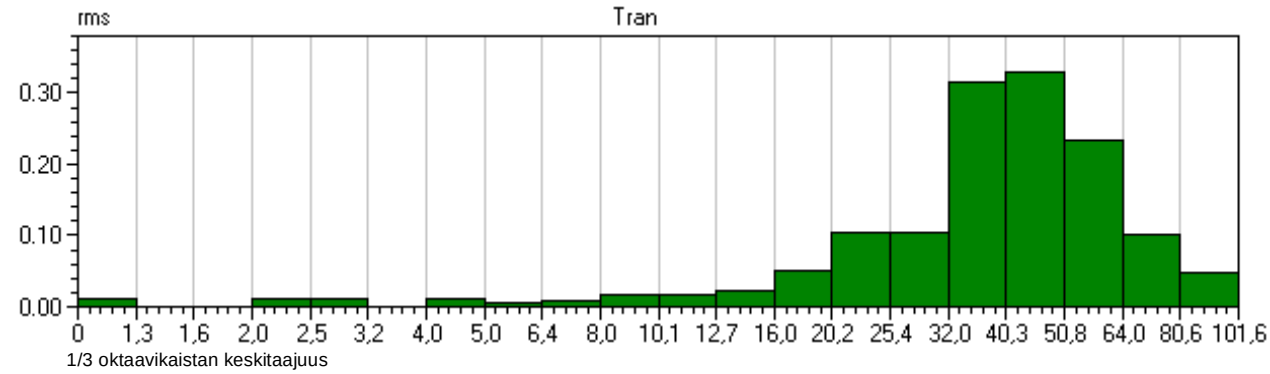
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:23** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 16:53:47 | *File Name:* | I446GD6K.9N0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.41 | 1.30 | 0.111 | 2.42 | mm/s |
| *Freq* | 43 | 51 | >100 | | Hz |
| *Time of Peak* | 1.047 | 1.001 | 0.625 | 1.047 | Sec |
| *Peak Acceleration* | 0.0646 | 0.0514 | 0.00994 | | g |
| *Peak Displacement* | 0.00848 | 0.00401 | 0.00020 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,43** | **0,03** | **0,89** | mm/s |
| *RMS (1s)* | **0,79** | **0,44** | **0,04** | **0,90** | mm/s |



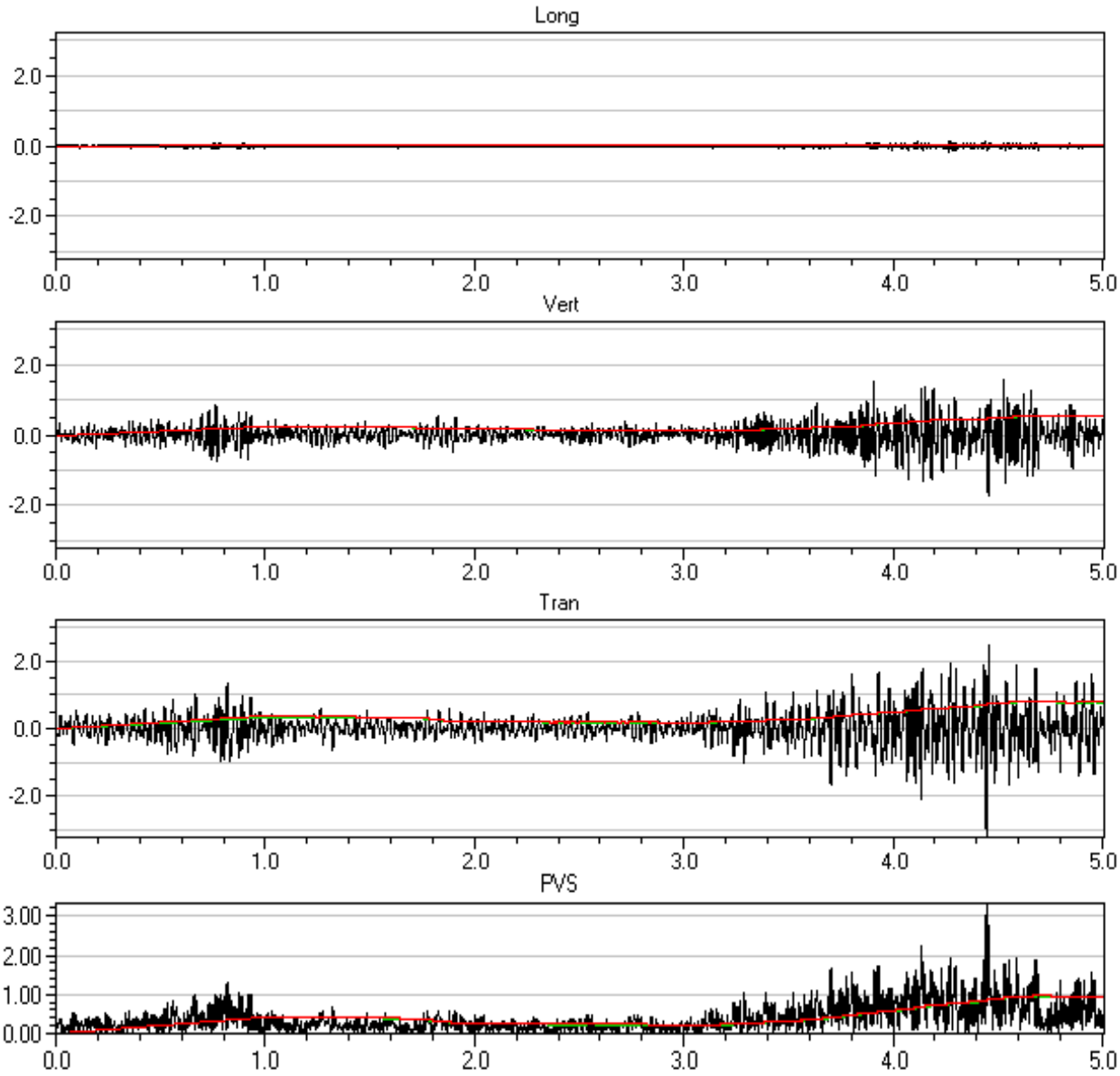



**BlastView RMS report. Generated: 19.5.2016 10:53:33** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:13 | *File Name:* | I446GD7X.810W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

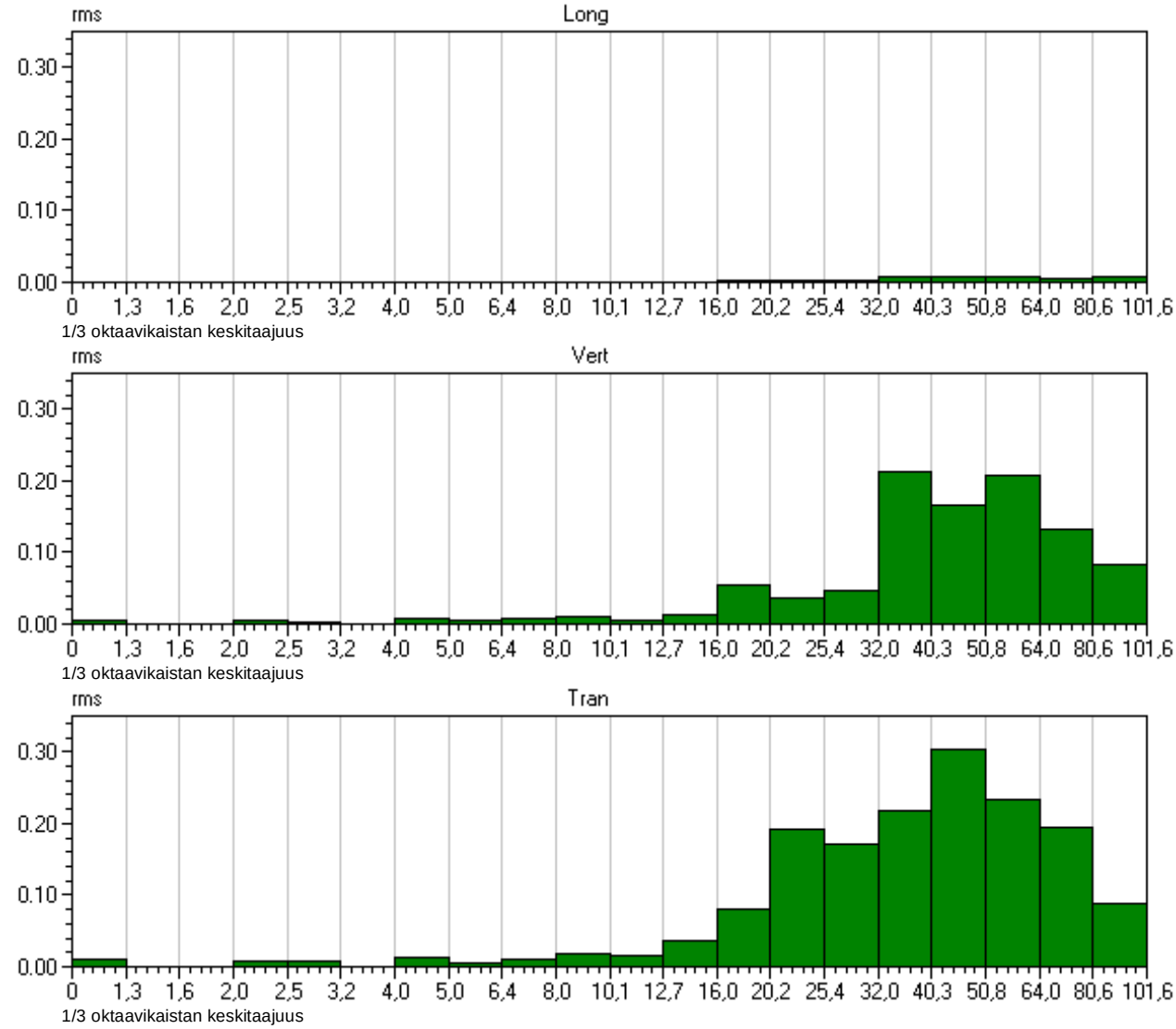
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.21 | 1.70 | 0.159 | 3.32 | mm/s |
| *Freq* | 51 | 51 | >100 | | Hz |
| *Time of Peak* | 4.437 | 4.444 | 4.258 | 4.437 | Sec |
| *Peak Acceleration* | 0.0862 | 0.0646 | 0.0166 | | g |
| *Peak Displacement* | 0.00943 | 0.00585 | 0.00022 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **0,54** | **0,04** | **0,97** | mm/s |
| *RMS (1s)* | **0,81** | **0,55** | **0,04** | **0,98** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:33** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:13 | *File Name:* | I446GD7X.810W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

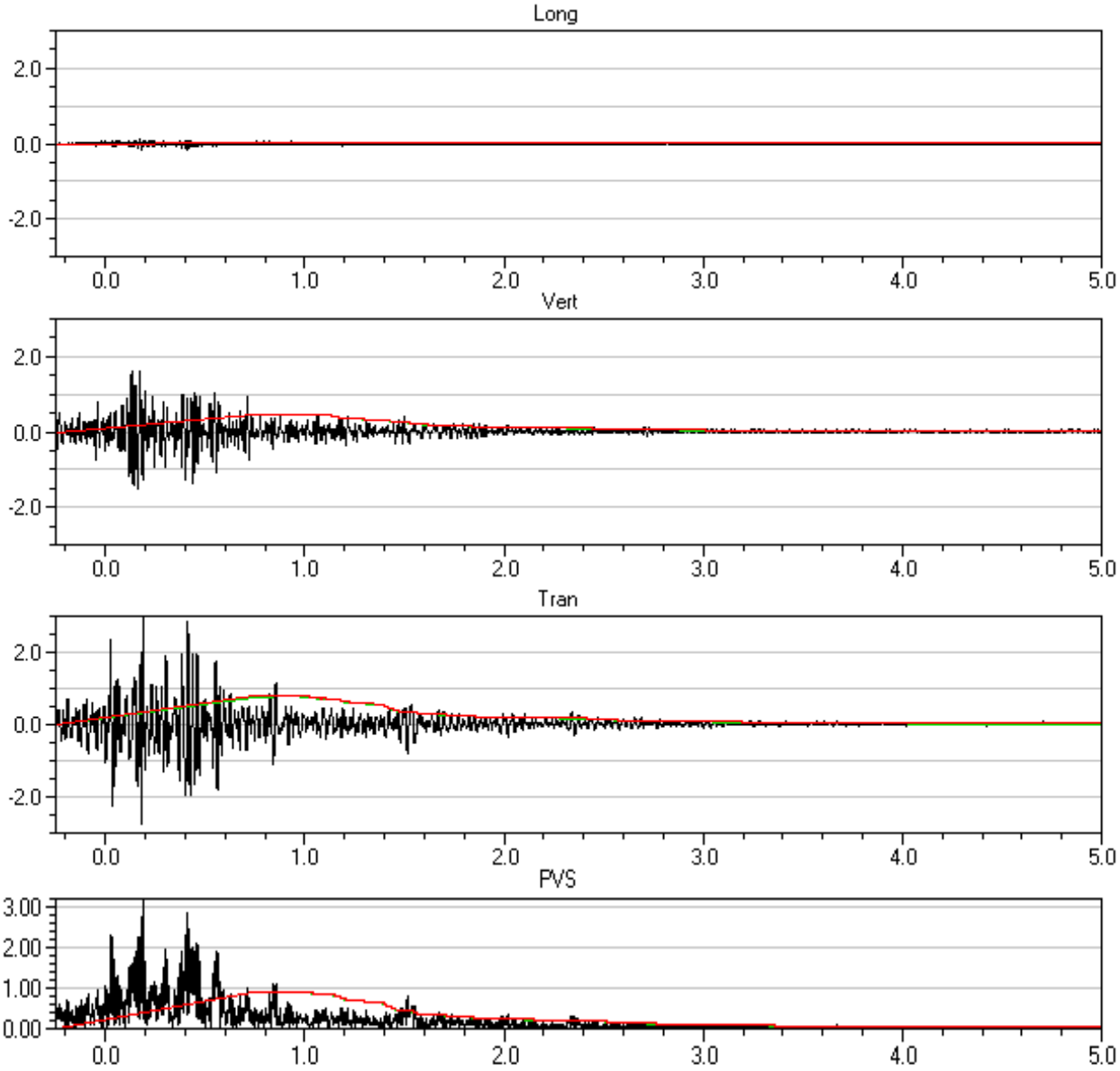
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.21 | 1.70 | 0.159 | 3.32 | mm/s |
| *Freq* | 51 | 51 | >100 | | Hz |
| *Time of Peak* | 4.437 | 4.444 | 4.258 | 4.437 | Sec |
| *Peak Acceleration* | 0.0862 | 0.0646 | 0.0166 | | g |
| *Peak Displacement* | 0.00943 | 0.00585 | 0.00022 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **0,54** | **0,04** | **0,97** | mm/s |
| *RMS (1s)* | **0,81** | **0,55** | **0,04** | **0,98** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:53:35** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:29 | *File Name:* | I446GD7X.8H0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

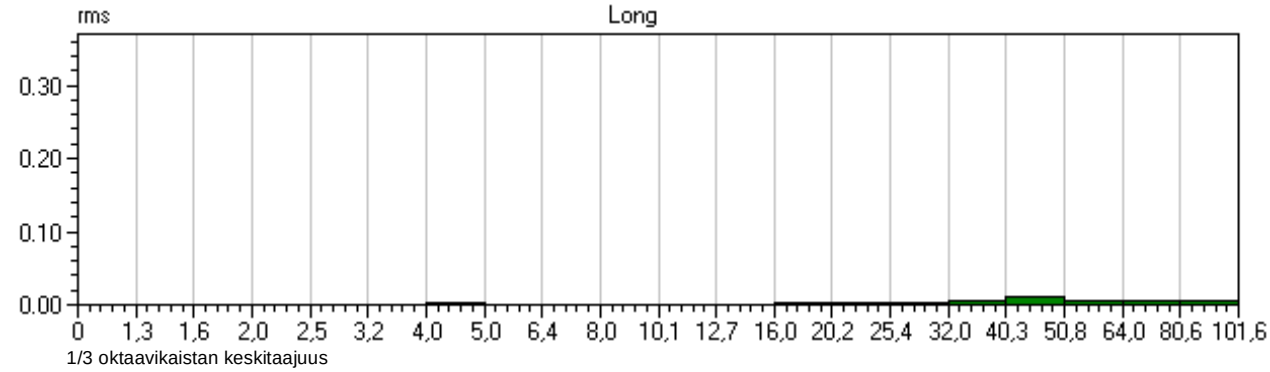
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.00 | 1.62 | 0.159 | 3.26 | mm/s |
| *Freq* | 51 | 51 | >100 | | Hz |
| *Time of Peak* | 0.187 | 0.131 | 0.183 | 0.187 | Sec |
| *Peak Acceleration* | 0.103 | 0.0613 | 0.0133 | | g |
| *Peak Displacement* | 0.0101 | 0.00637 | 0.00024 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,48** | **0,03** | **0,91** | mm/s |
| *RMS (1s)* | **0,79** | **0,48** | **0,03** | **0,92** | mm/s |

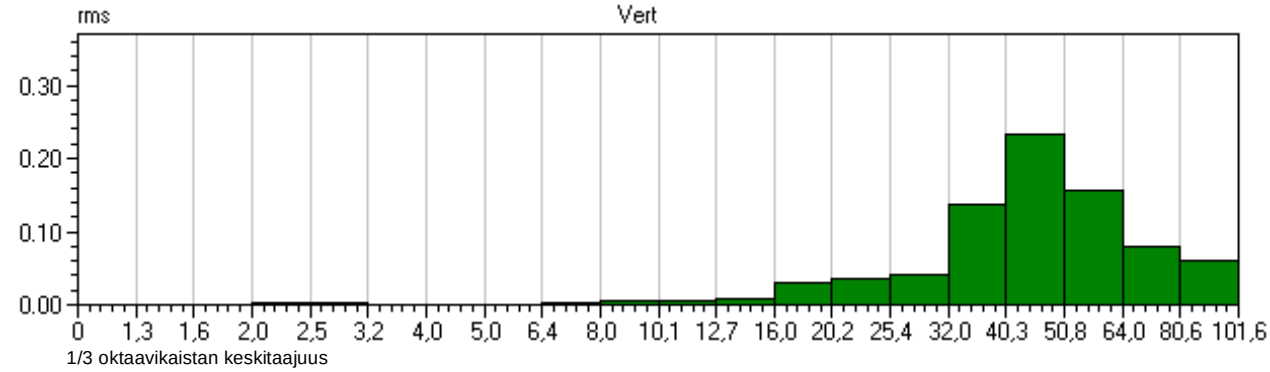


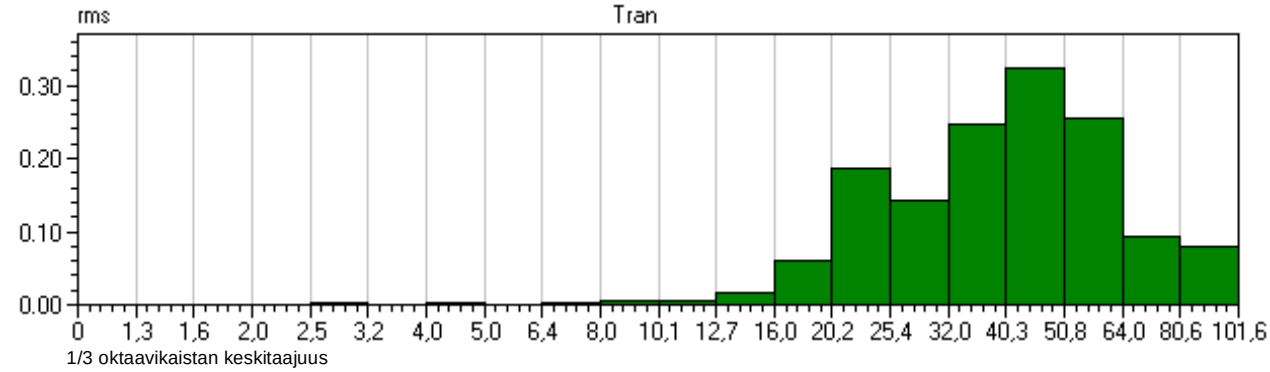
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:53:35** - **MP3**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE7446, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:29 | *File Name:* | I446GD7X.8H0W |
| *Location:* | Hollonranta, linja 2, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | January 22, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.00 | 1.62 | 0.159 | 3.26 | mm/s |
| *Freq* | 51 | 51 | >100 | | Hz |
| *Time of Peak* | 0.187 | 0.131 | 0.183 | 0.187 | Sec |
| *Peak Acceleration* | 0.103 | 0.0613 | 0.0133 | | g |
| *Peak Displacement* | 0.0101 | 0.00637 | 0.00024 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,48** | **0,03** | **0,91** | mm/s |
| *RMS (1s)* | **0,79** | **0,48** | **0,03** | **0,92** | mm/s |



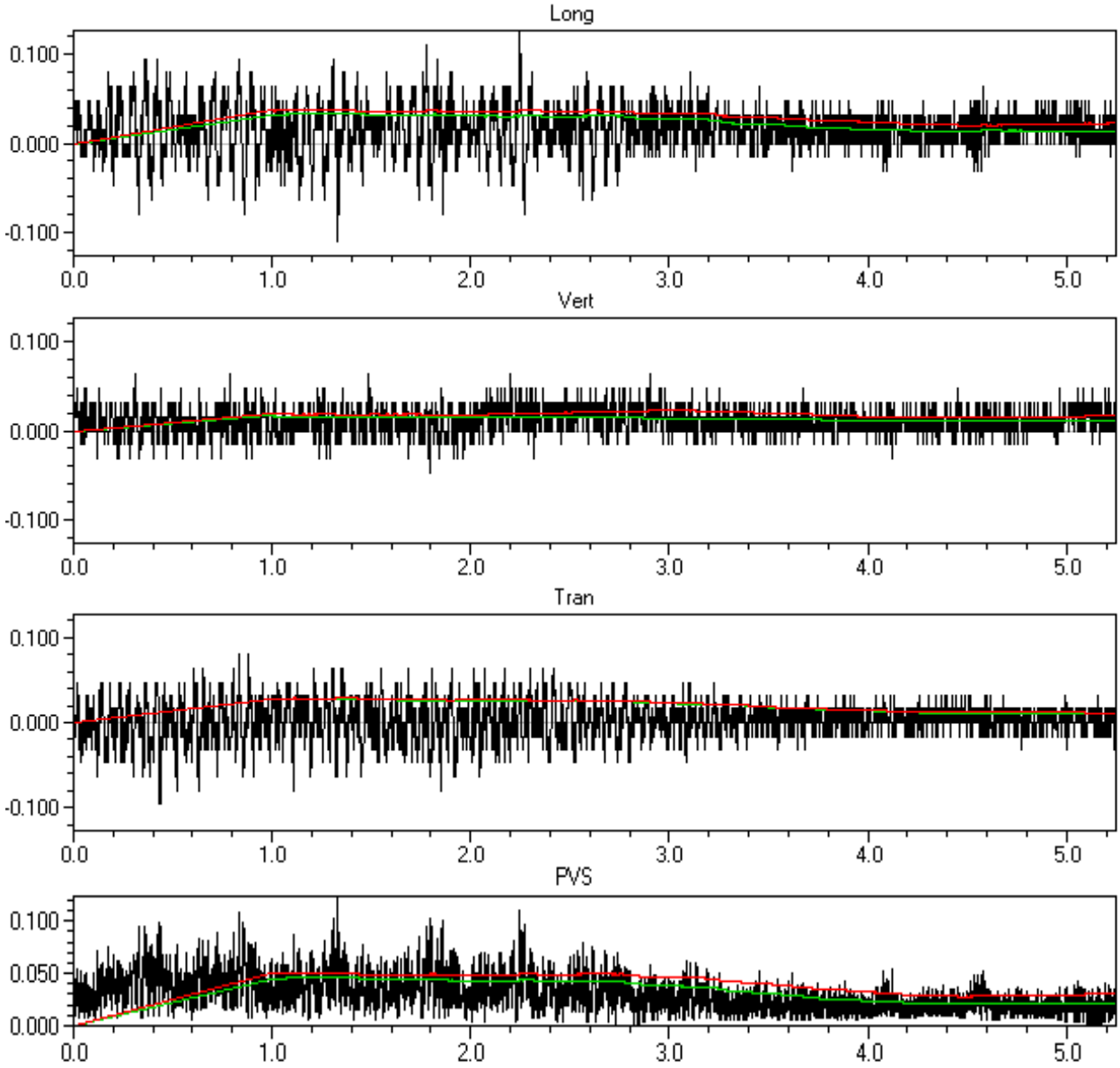



**BlastView RMS report. Generated: 19.5.2016 10:57:23** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 15:50:33 | *File Name:* | Q709GD4M.O90W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

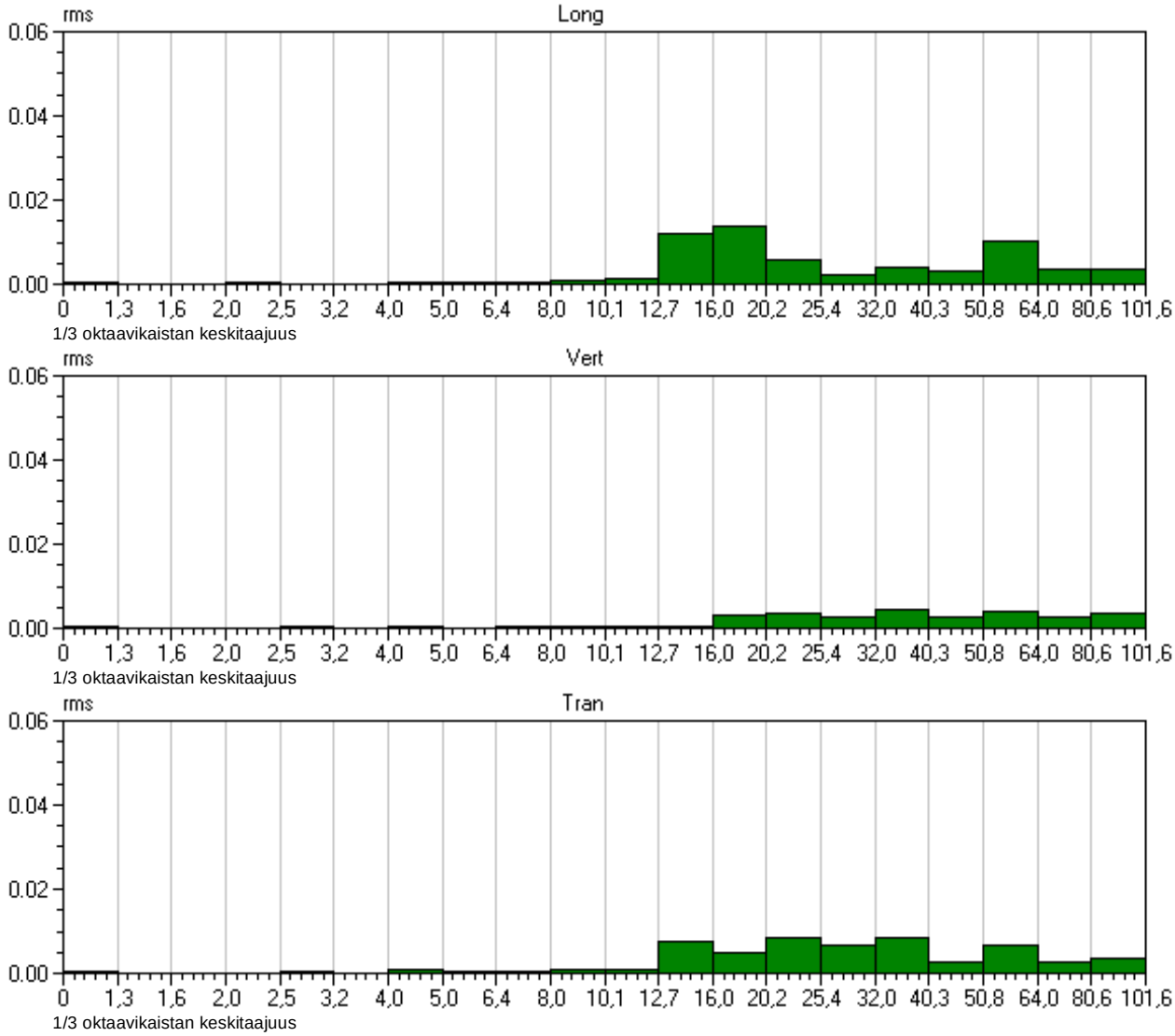
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.127 | 0.135 | mm/s |
| *Freq* | 43 | 51 | 20 | | Hz |
| *Time of Peak* | 0.183 | 0.059 | 1.997 | 1.997 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00037 | 0.00022 | 0.00084 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:24** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 15:50:33 | *File Name:* | Q709GD4M.O90W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

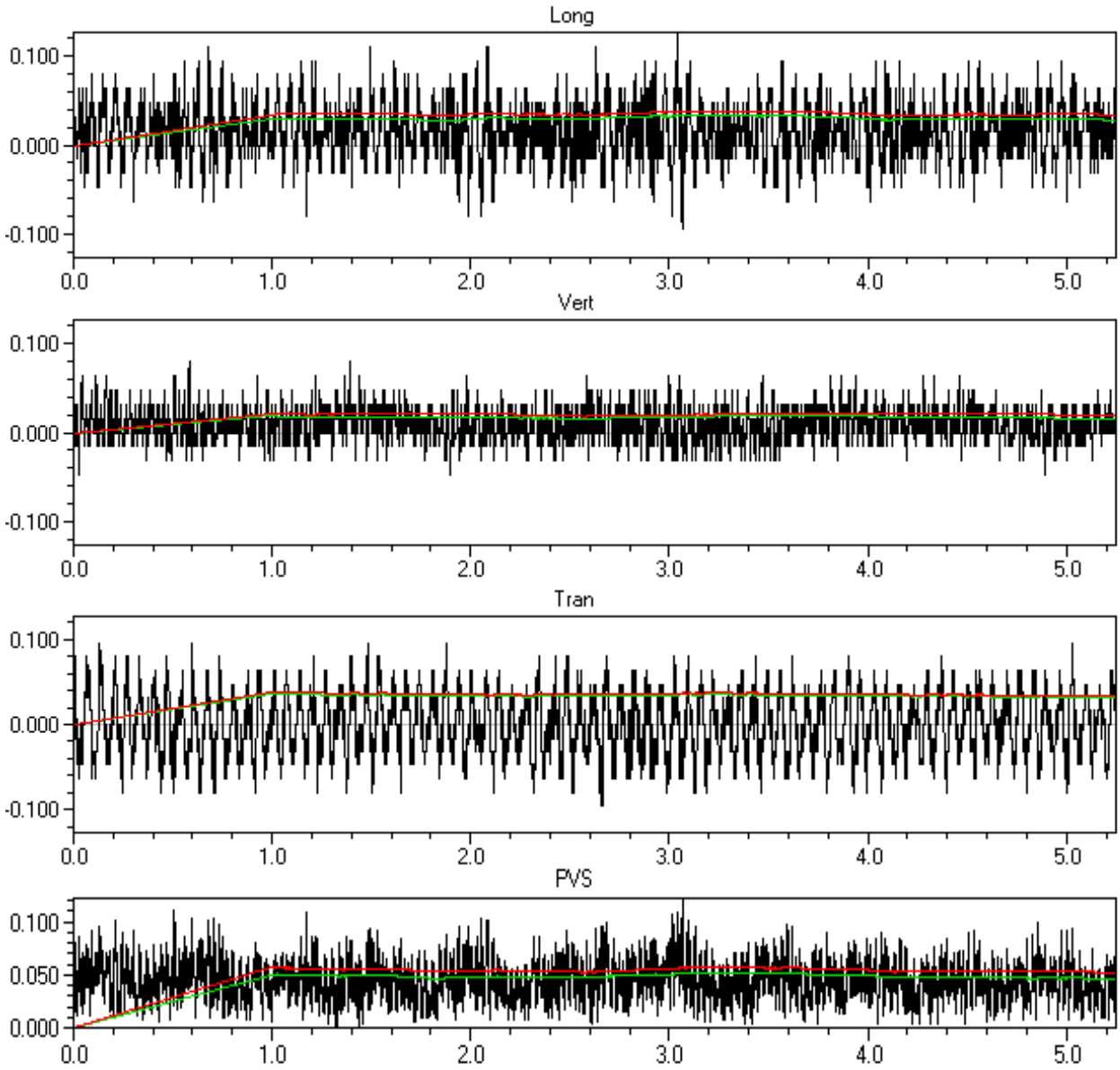
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.127 | 0.135 | mm/s |
| *Freq* | 43 | 51 | 20 | | Hz |
| *Time of Peak* | 0.183 | 0.059 | 1.997 | 1.997 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00037 | 0.00022 | 0.00084 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:57:25** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 16:48:56 | *File Name:* | Q709GD4P.DK0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

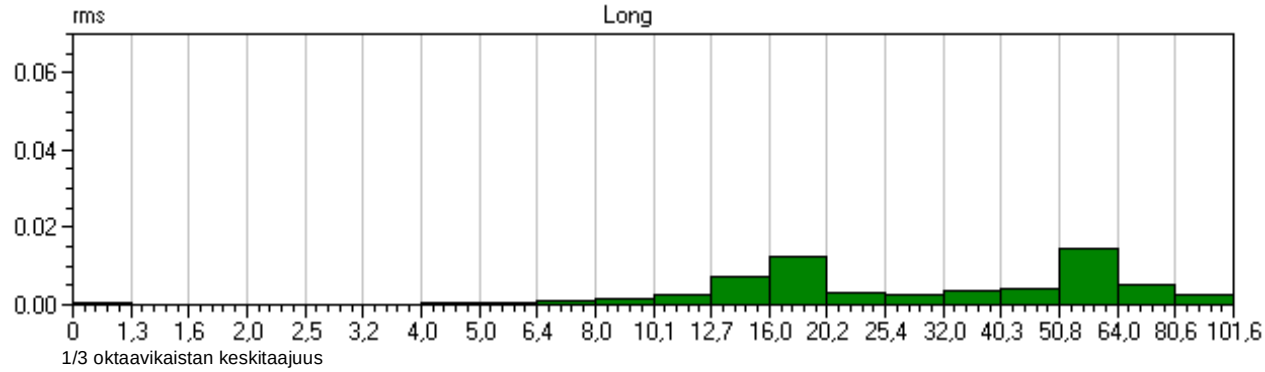
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.127 | 0.129 | mm/s |
| *Freq* | | 64 | 32 | | Hz |
| *Time of Peak* | -0.249 | 0.331 | 2.789 | 0.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00071 | 0.00027 | 0.00078 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,02** | **0,04** | **0,06** | mm/s |

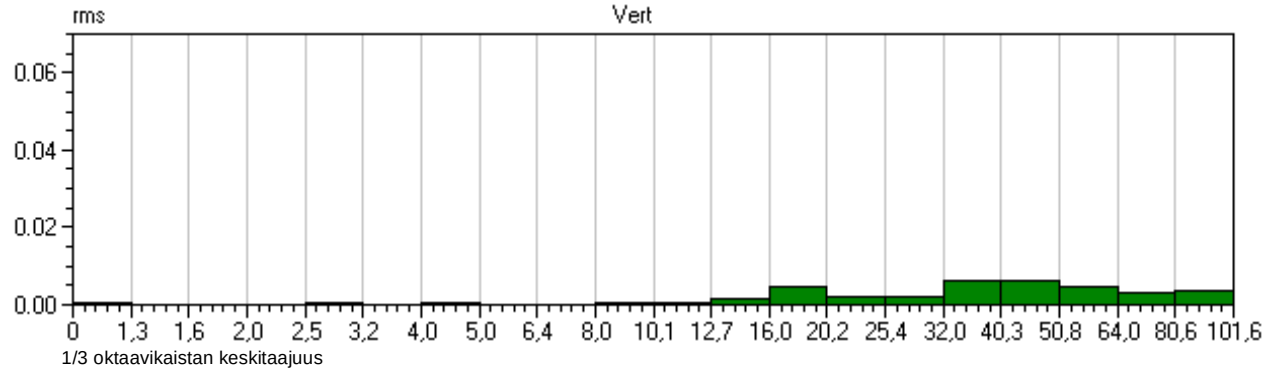


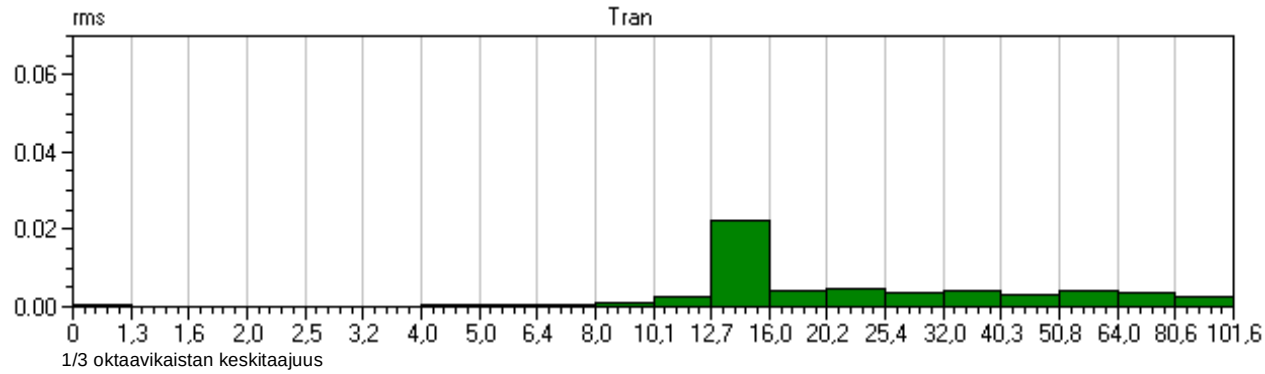
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:26** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 16:48:56 | *File Name:* | Q709GD4P.DK0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.127 | 0.129 | mm/s |
| *Freq* | | 64 | 32 | | Hz |
| *Time of Peak* | -0.249 | 0.331 | 2.789 | 0.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00071 | 0.00027 | 0.00078 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,02** | **0,04** | **0,06** | mm/s |



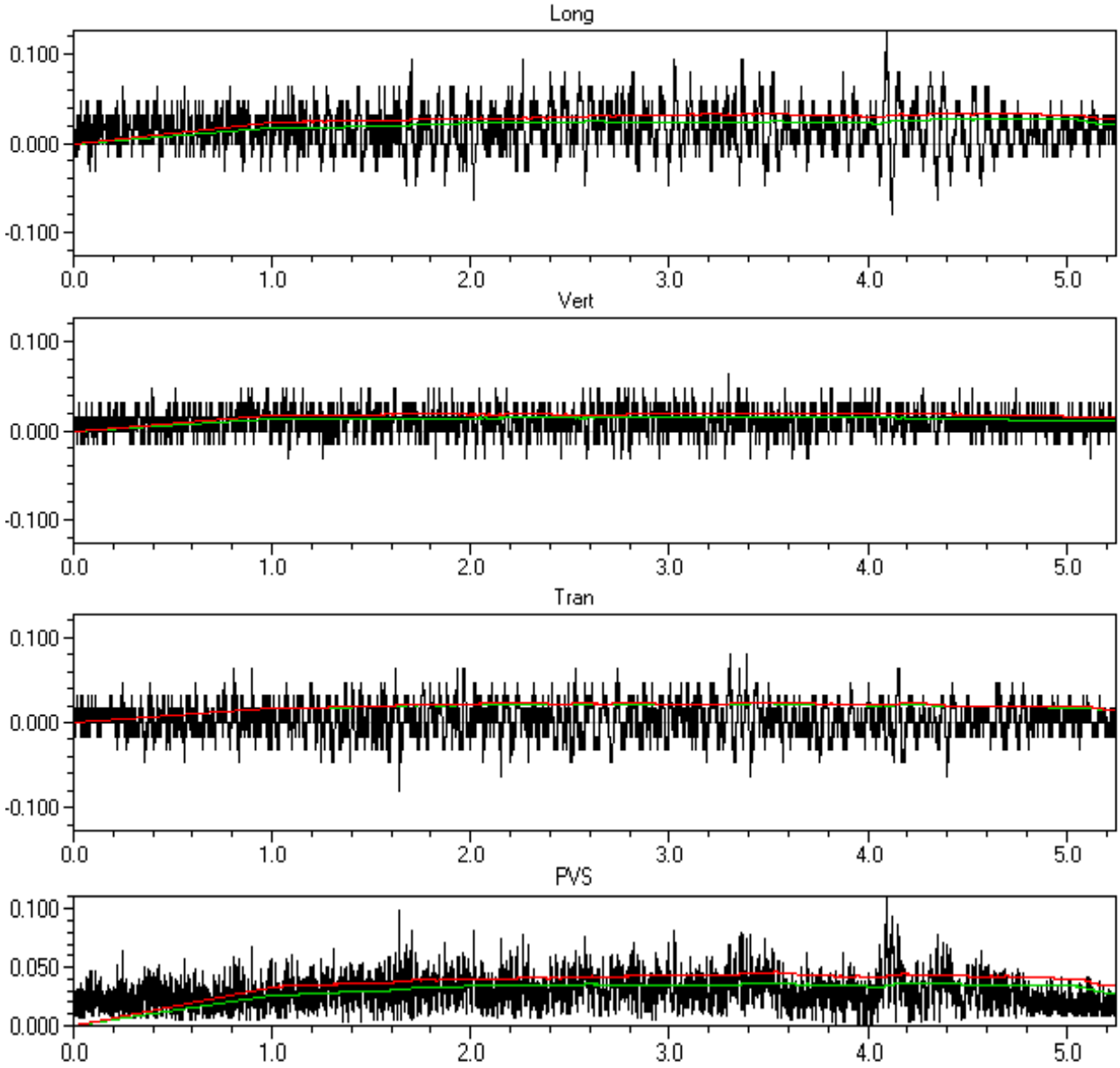



**BlastView RMS report. Generated: 19.5.2016 10:57:27** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:17:40 | *File Name:* | Q709GD4W.9G0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

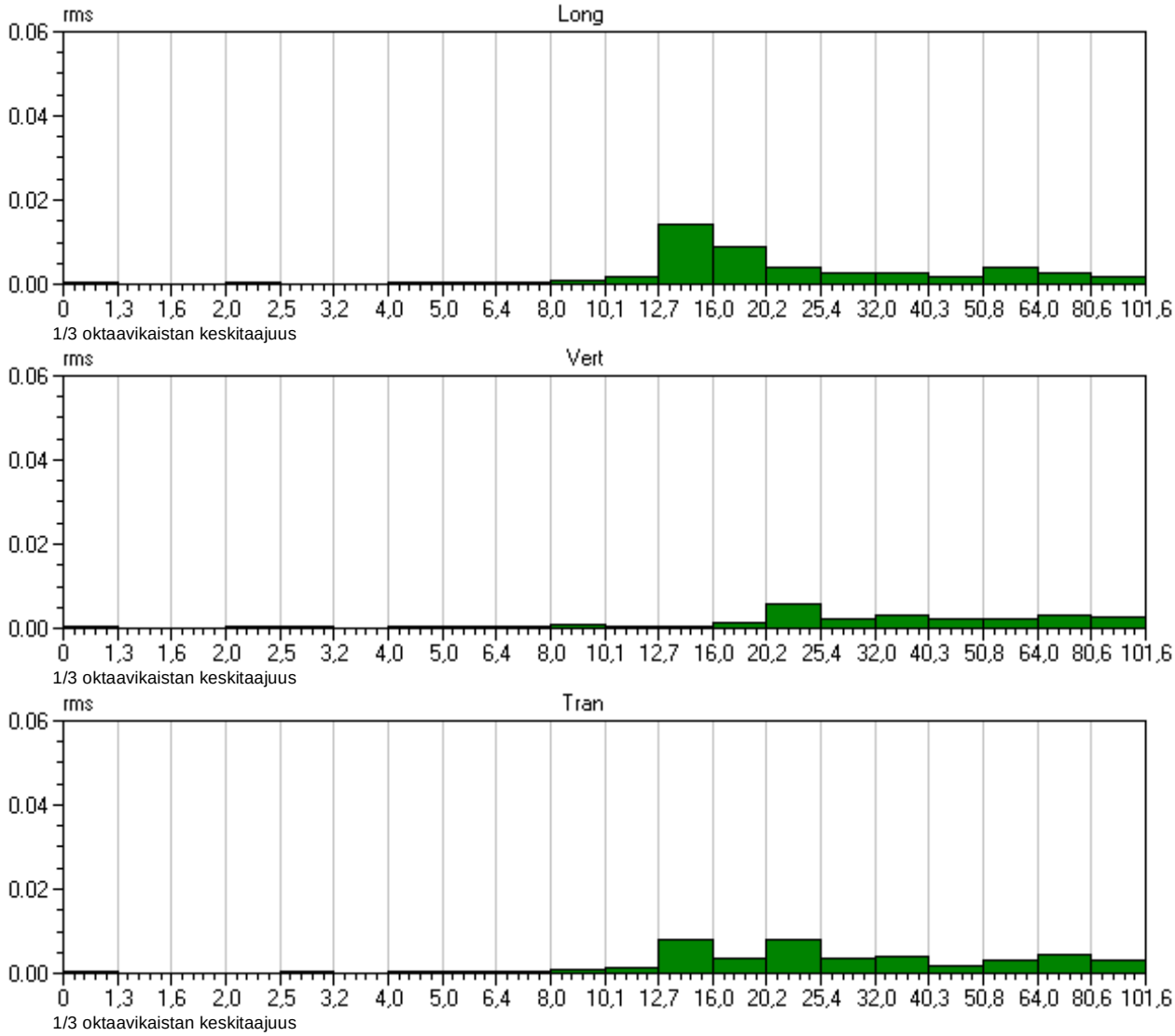
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.132 | mm/s |
| *Freq* | 51 | >100 | 17 | | Hz |
| *Time of Peak* | 1.392 | 3.044 | 3.841 | 3.841 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00041 | 0.00017 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,05** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:27** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 19:17:40 | *File Name:* | Q709GD4W.9G0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

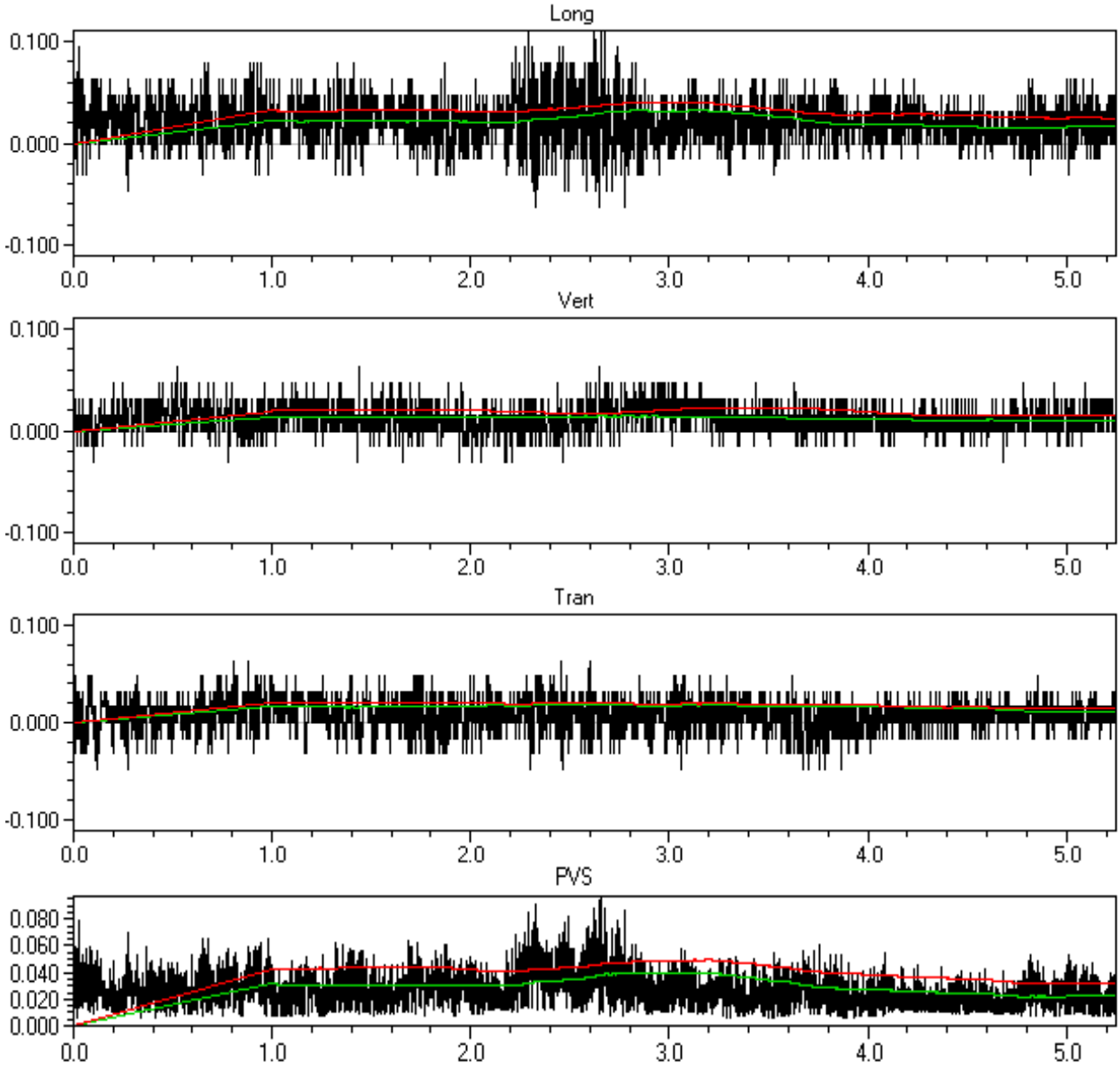
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.132 | mm/s |
| *Freq* | 51 | >100 | 17 | | Hz |
| *Time of Peak* | 1.392 | 3.044 | 3.841 | 3.841 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00041 | 0.00017 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,05** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:57:29** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 21:38:10 | *File Name:* | Q709GD52.RM0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

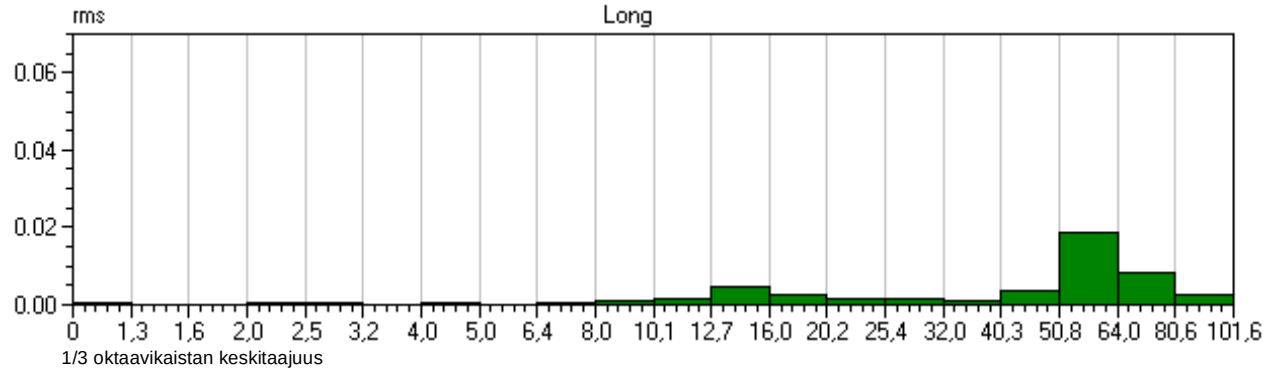
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0635 | 0.0635 | 0.111 | 0.116 | mm/s |
| *Freq* | 51 | 64 | 47 | | Hz |
| *Time of Peak* | 0.553 | 0.268 | 2.038 | 2.404 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00019 | 0.00019 | 0.00036 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,04** | **0,05** | mm/s |

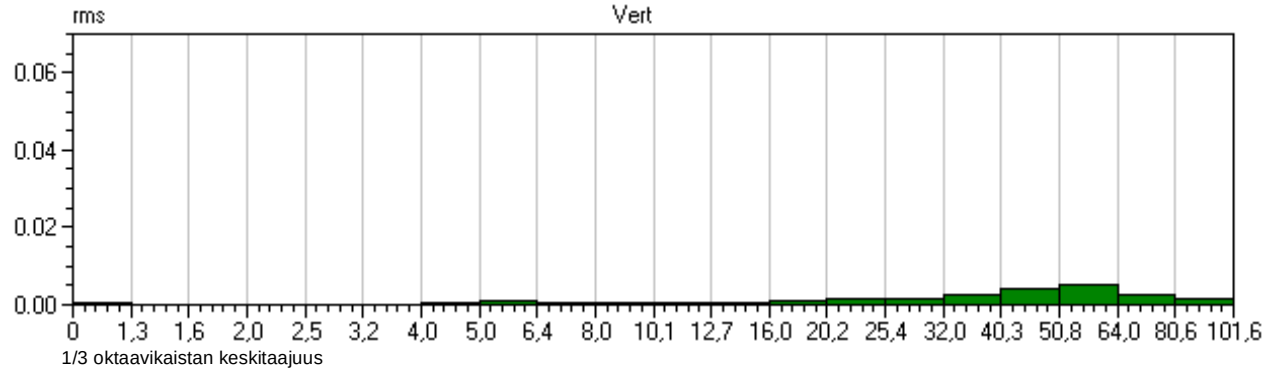


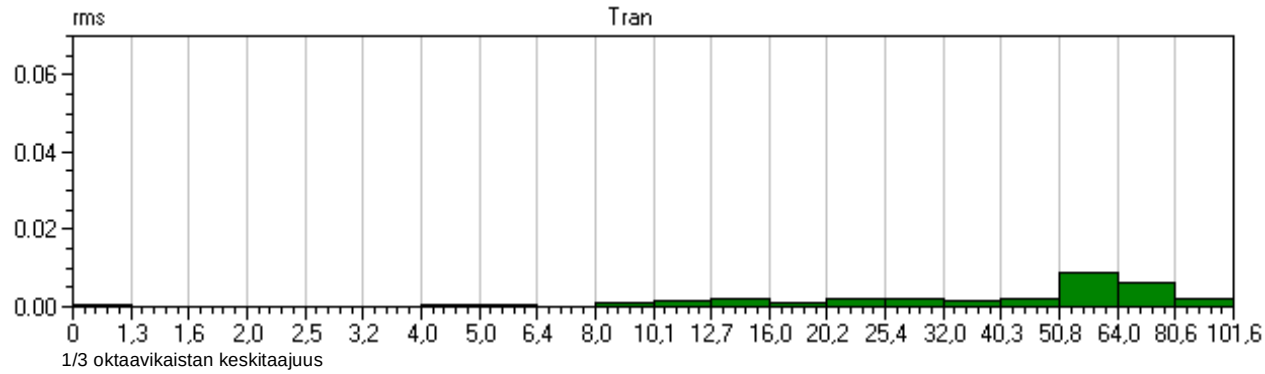
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:29** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 21:38:10 | *File Name:* | Q709GD52.RM0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0635 | 0.0635 | 0.111 | 0.116 | mm/s |
| *Freq* | 51 | 64 | 47 | | Hz |
| *Time of Peak* | 0.553 | 0.268 | 2.038 | 2.404 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00019 | 0.00019 | 0.00036 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,04** | **0,05** | mm/s |



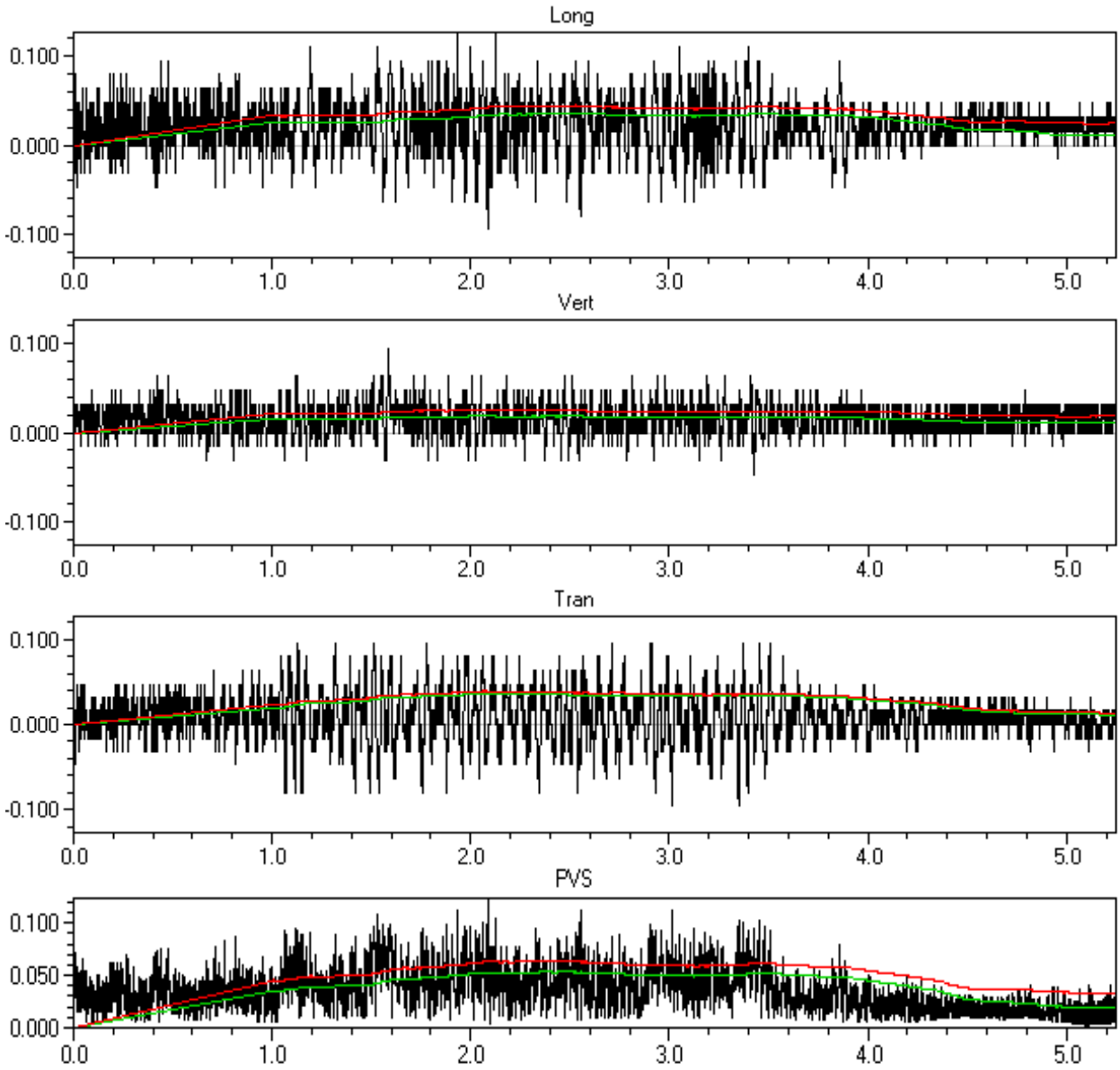



**BlastView RMS report. Generated: 19.5.2016 10:57:31** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 23:15:11 | *File Name:* | Q709GD57.9B0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

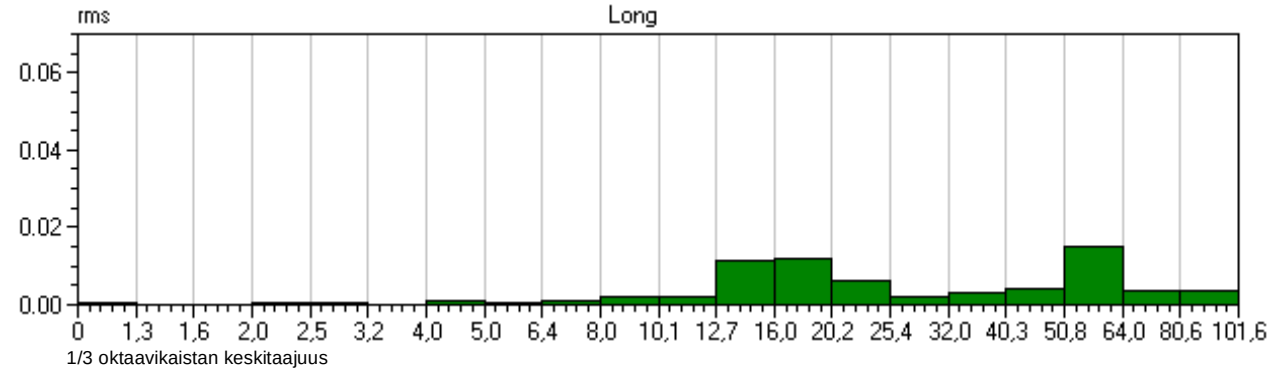
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0952 | 0.127 | 0.143 | mm/s |
| *Freq* | 32 | 32 | 39 | | Hz |
| *Time of Peak* | 0.879 | 1.335 | 1.683 | 1.683 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00076 | 0.00043 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,04** | **0,06** | mm/s |

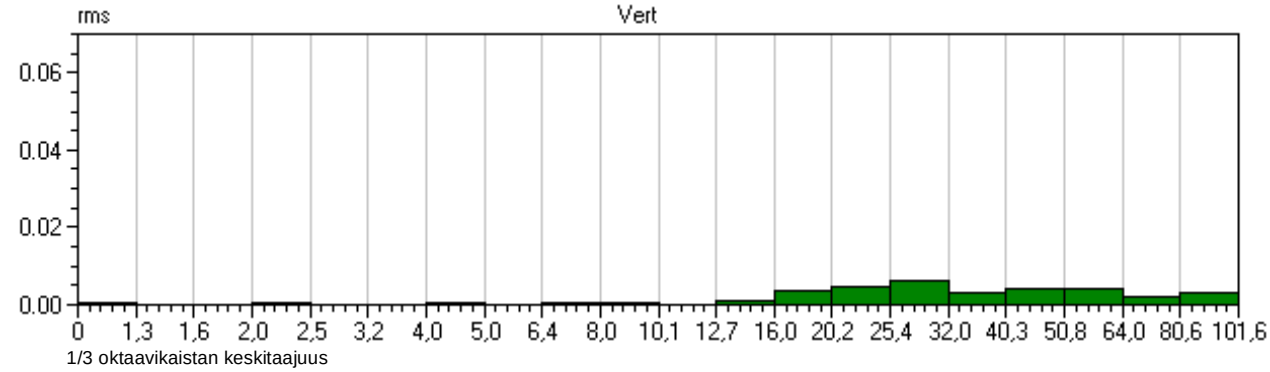


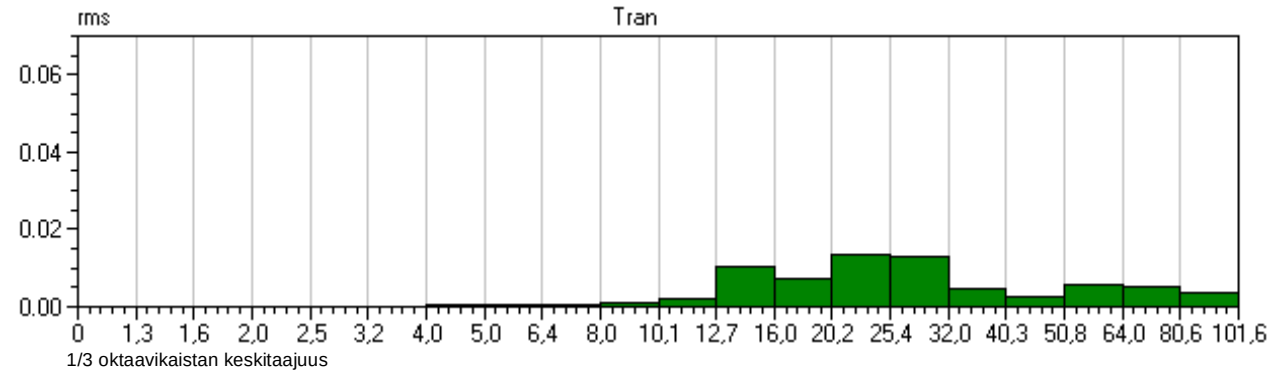
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:31** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 23:15:11 | *File Name:* | Q709GD57.9B0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0952 | 0.127 | 0.143 | mm/s |
| *Freq* | 32 | 32 | 39 | | Hz |
| *Time of Peak* | 0.879 | 1.335 | 1.683 | 1.683 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00076 | 0.00043 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,04** | **0,06** | mm/s |



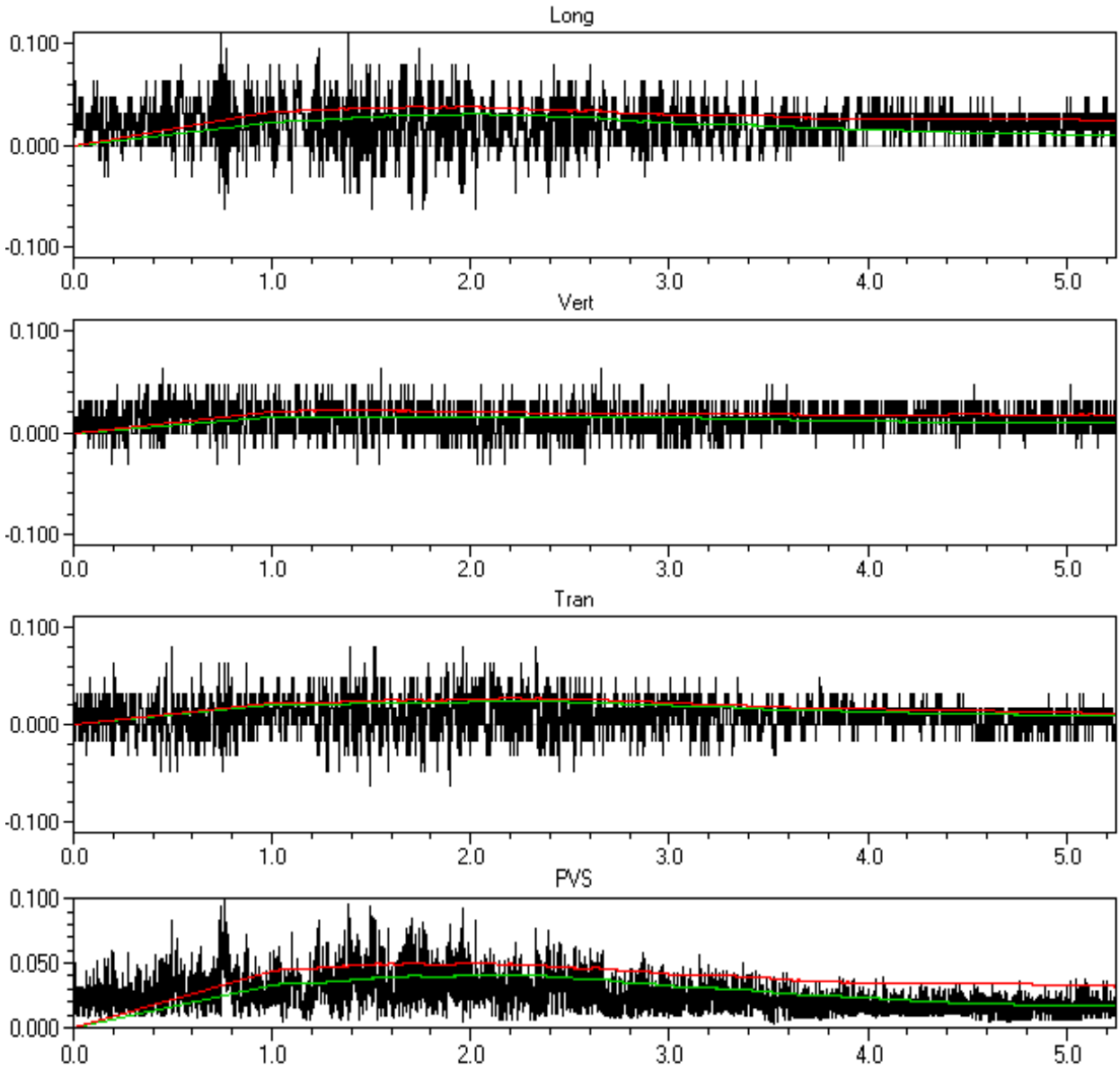



**BlastView RMS report. Generated: 19.5.2016 10:57:33** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:21:34 | *File Name:* | Q709GD62.3Y0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

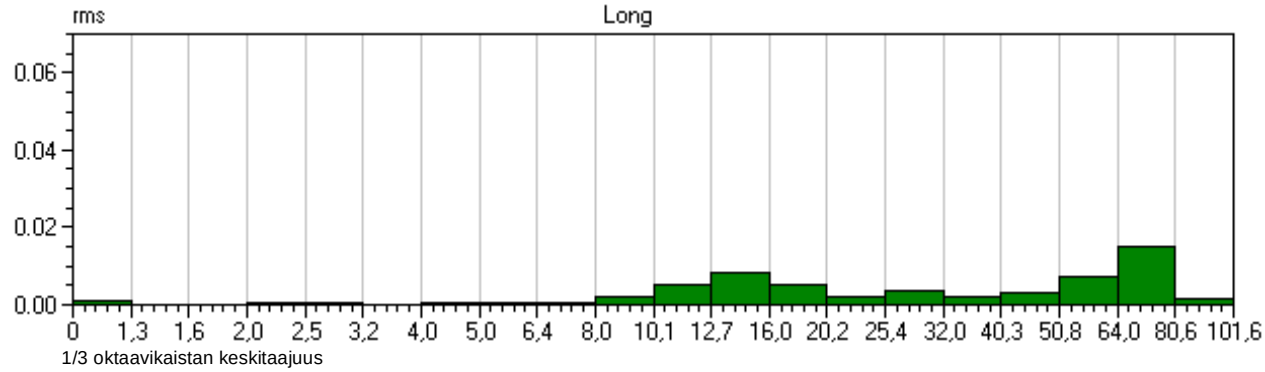
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.111 | 0.117 | mm/s |
| *Freq* | 47 | 85 | 57 | | Hz |
| *Time of Peak* | 0.246 | 0.195 | 0.488 | 0.488 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00030 | 0.00018 | 0.00073 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |

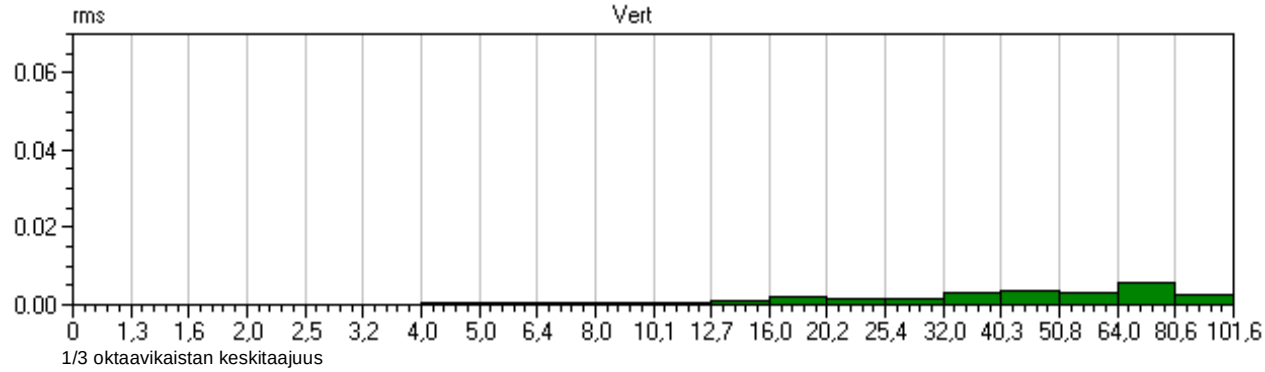


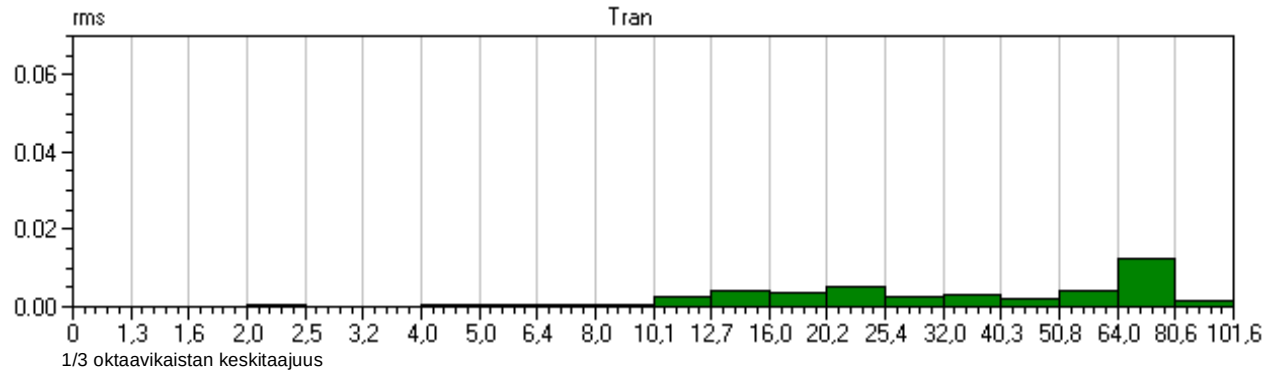
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:33** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:21:34 | *File Name:* | Q709GD62.3Y0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.111 | 0.117 | mm/s |
| *Freq* | 47 | 85 | 57 | | Hz |
| *Time of Peak* | 0.246 | 0.195 | 0.488 | 0.488 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00030 | 0.00018 | 0.00073 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |



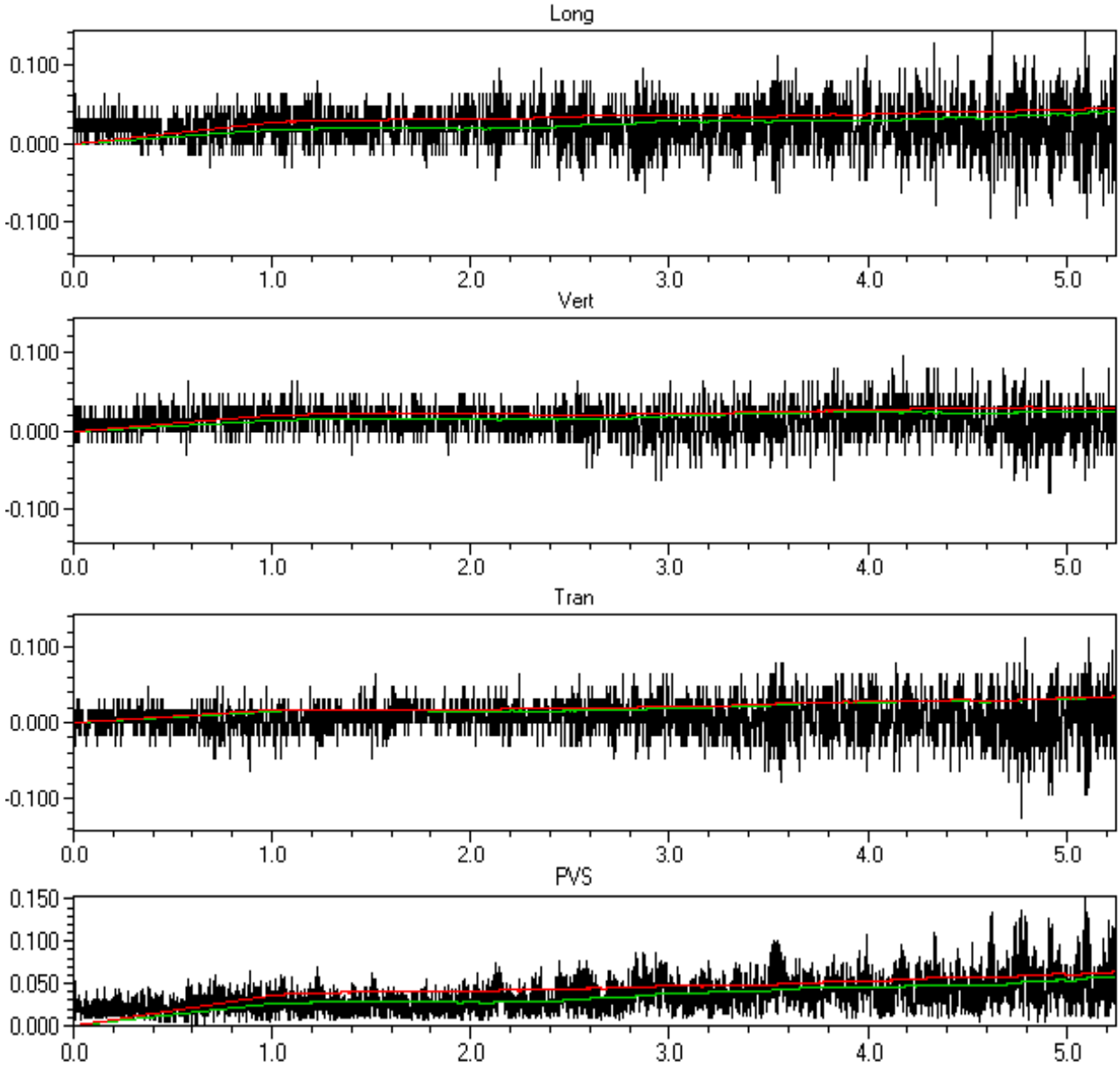



**BlastView RMS report. Generated: 19.5.2016 10:57:36** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:36:05 | *File Name:* | Q709GD62.S50W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

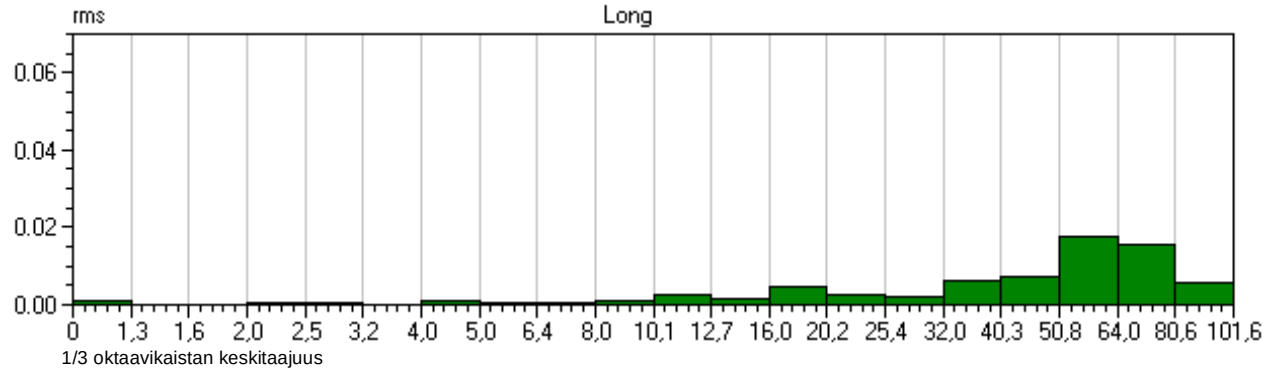
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0952 | 0.143 | 0.163 | mm/s |
| *Freq* | 64 | 64 | 64 | | Hz |
| *Time of Peak* | 4.521 | 3.928 | 4.377 | 4.841 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00030 | 0.00027 | 0.00041 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,05** | **0,06** | mm/s |

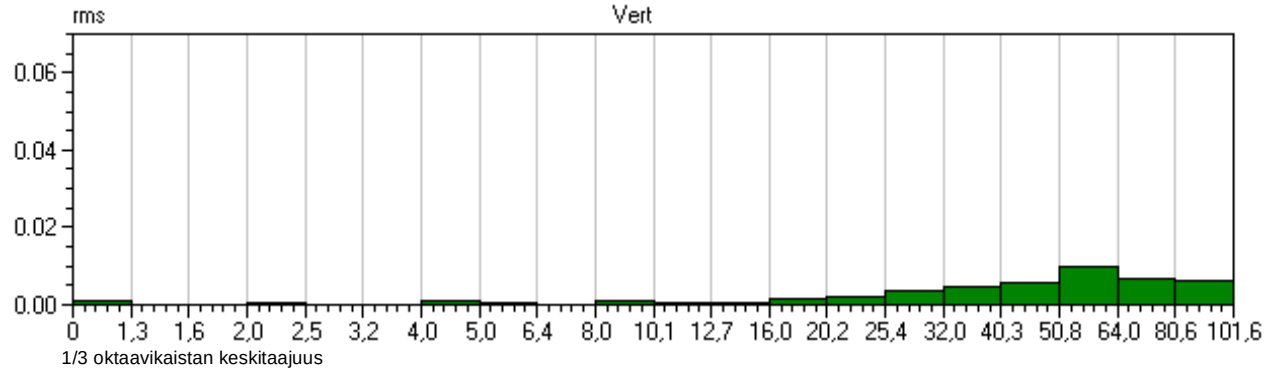


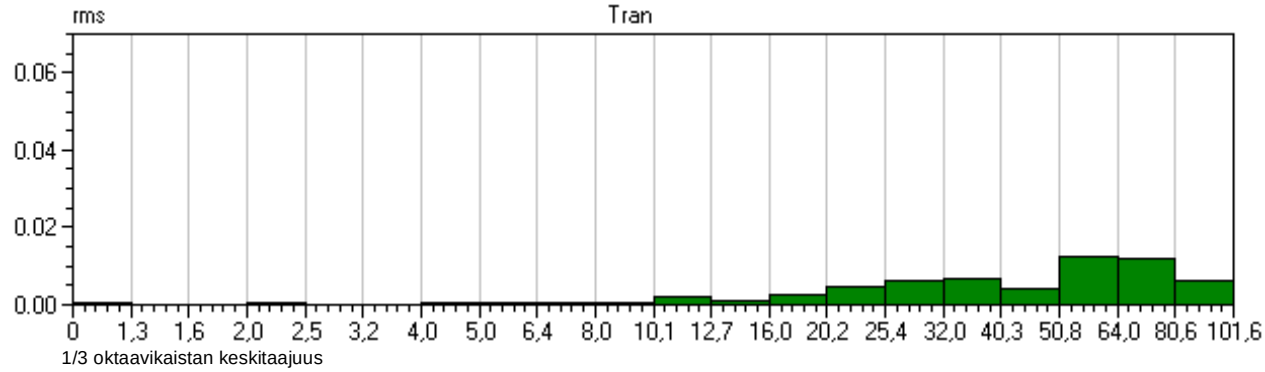
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:36** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:36:05 | *File Name:* | Q709GD62.S50W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0952 | 0.143 | 0.163 | mm/s |
| *Freq* | 64 | 64 | 64 | | Hz |
| *Time of Peak* | 4.521 | 3.928 | 4.377 | 4.841 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00030 | 0.00027 | 0.00041 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,05** | **0,06** | mm/s |



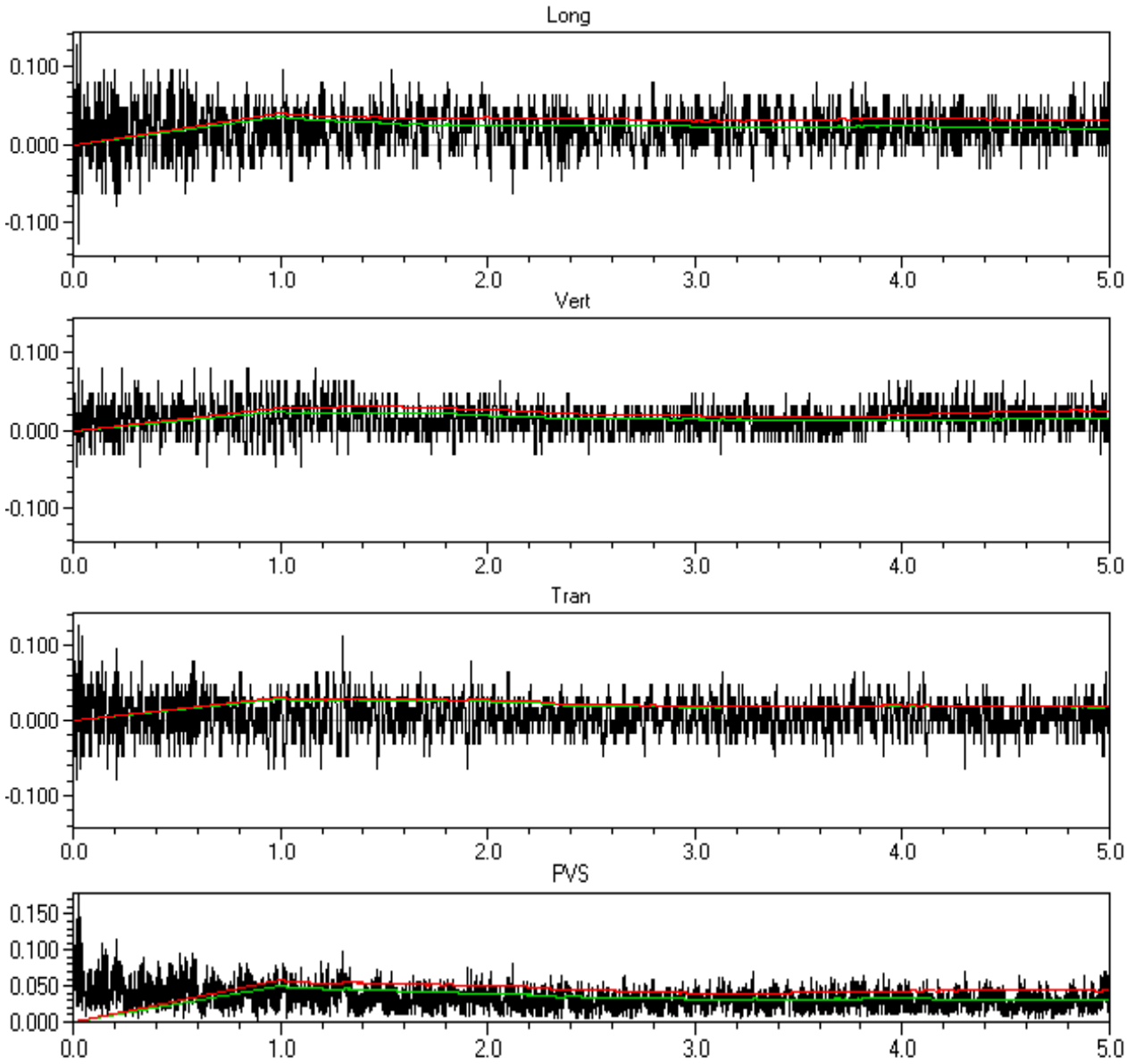



**BlastView RMS report. Generated: 19.5.2016 10:57:34** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:36:11 | *File Name:* | Q709GD62.SB0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

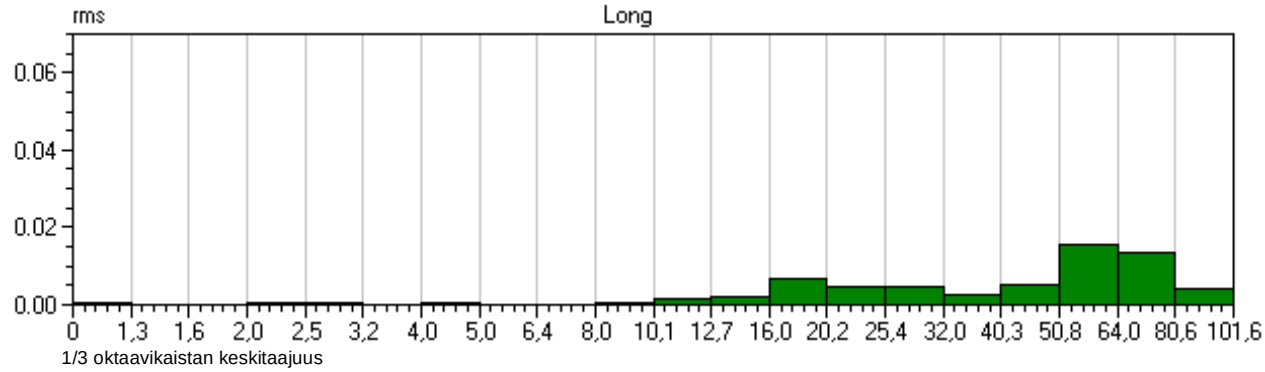
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0794 | 0.143 | 0.180 | mm/s |
| *Freq* | 85 | 85 | 64 | | Hz |
| *Time of Peak* | 0.026 | 0.024 | 0.033 | 0.026 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00497 | 0.00829 | | g |
| *Peak Displacement* | 0.00053 | 0.00047 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |

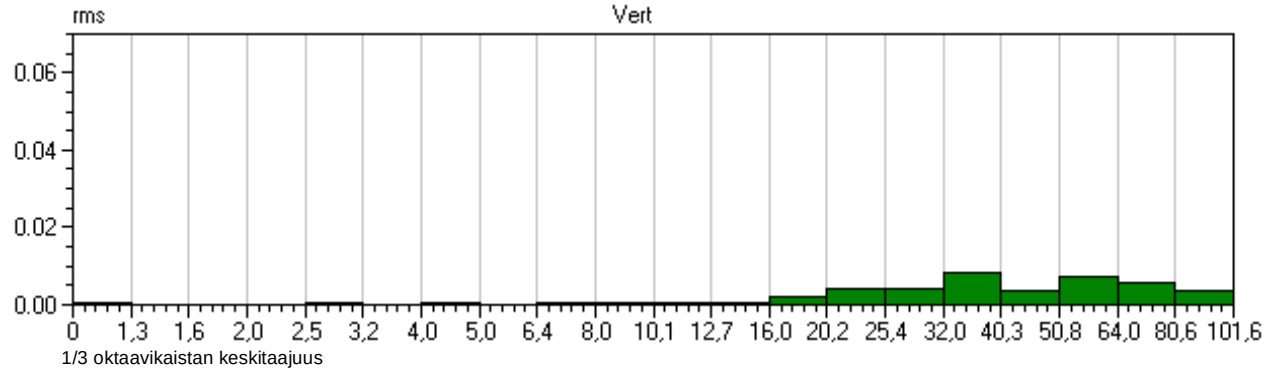


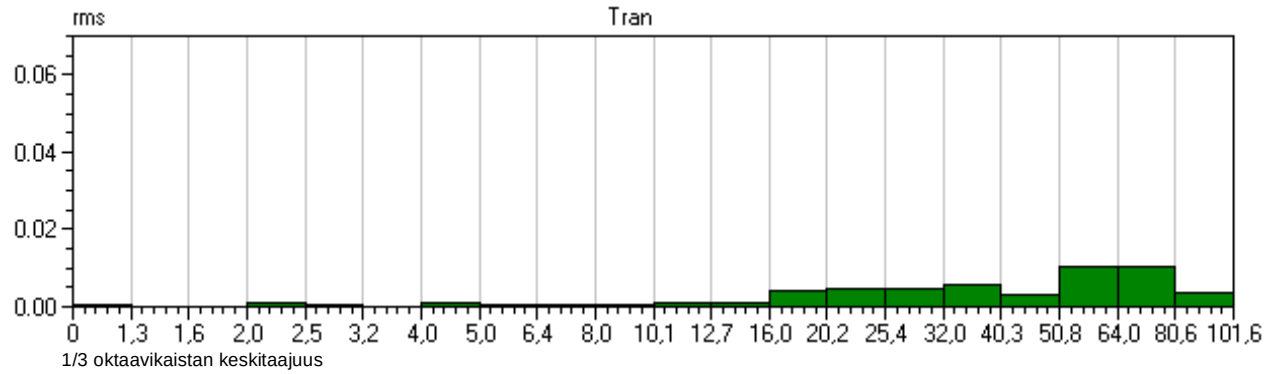
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:34** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:36:11 | *File Name:* | Q709GD62.SB0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.0794 | 0.143 | 0.180 | mm/s |
| *Freq* | 85 | 85 | 64 | | Hz |
| *Time of Peak* | 0.026 | 0.024 | 0.033 | 0.026 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00497 | 0.00829 | | g |
| *Peak Displacement* | 0.00053 | 0.00047 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |



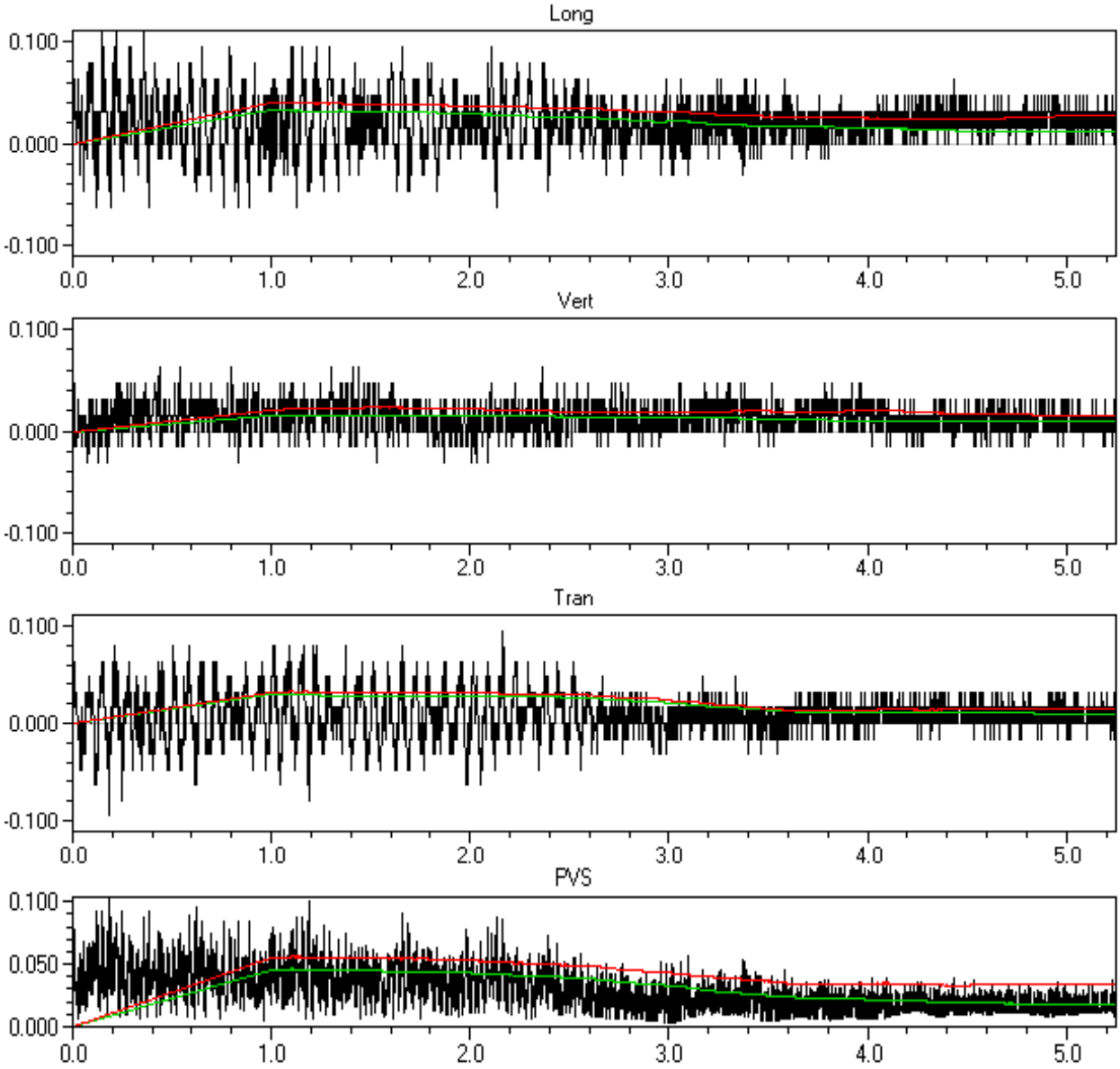



**BlastView RMS report. Generated: 19.5.2016 10:57:38** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:47:16 | *File Name:* | Q709GD63.AS0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

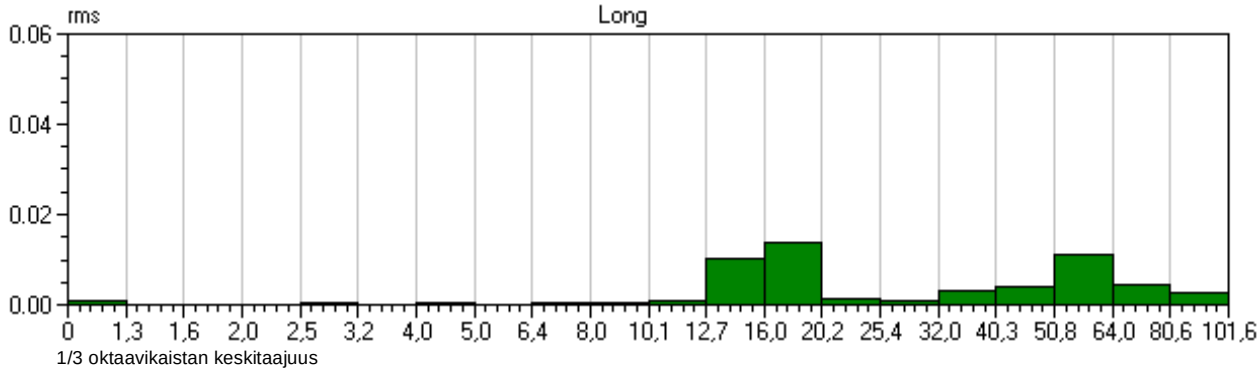
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.111 | 0.122 | mm/s |
| *Freq* | 39 | 57 | 17 | | Hz |
| *Time of Peak* | -0.070 | 0.185 | -0.104 | -0.104 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00079 | 0.00028 | 0.00102 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |

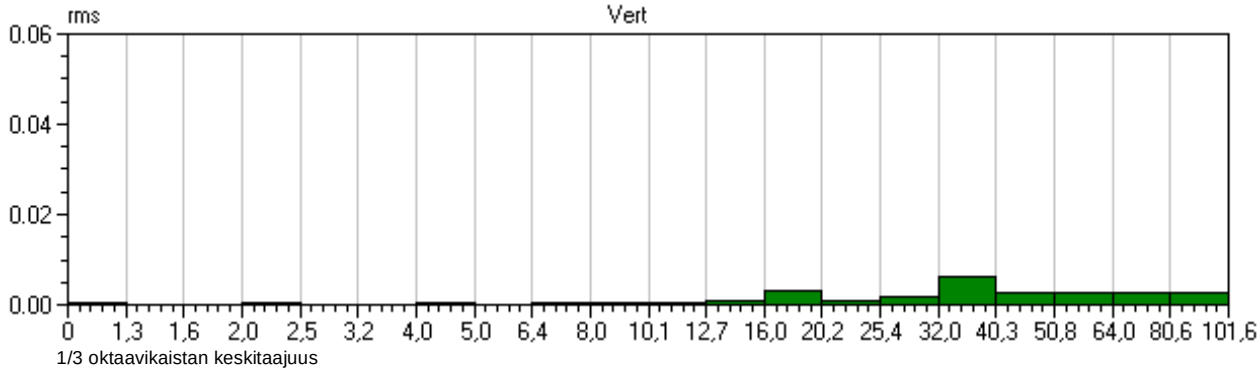


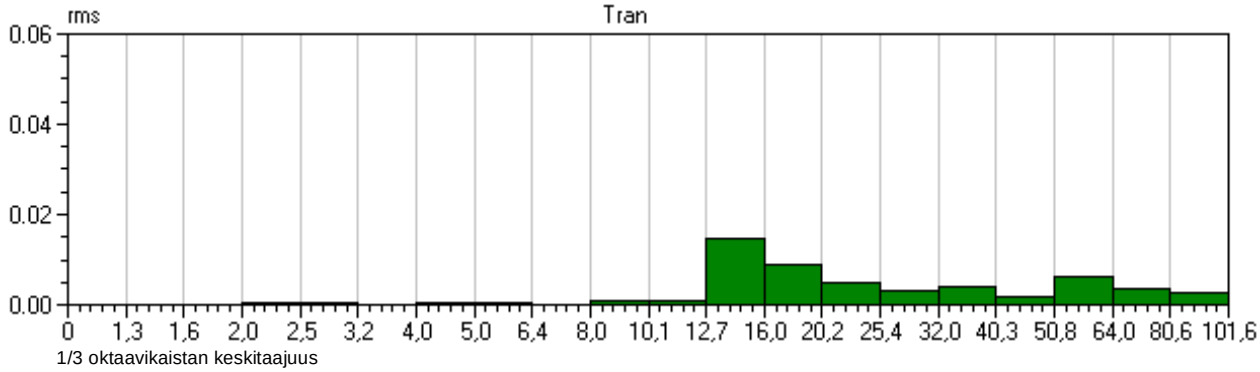
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:38** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:47:16 | *File Name:* | Q709GD63.AS0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0635 | 0.111 | 0.122 | mm/s |
| *Freq* | 39 | 57 | 17 | | Hz |
| *Time of Peak* | -0.070 | 0.185 | -0.104 | -0.104 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00079 | 0.00028 | 0.00102 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,06** | mm/s |



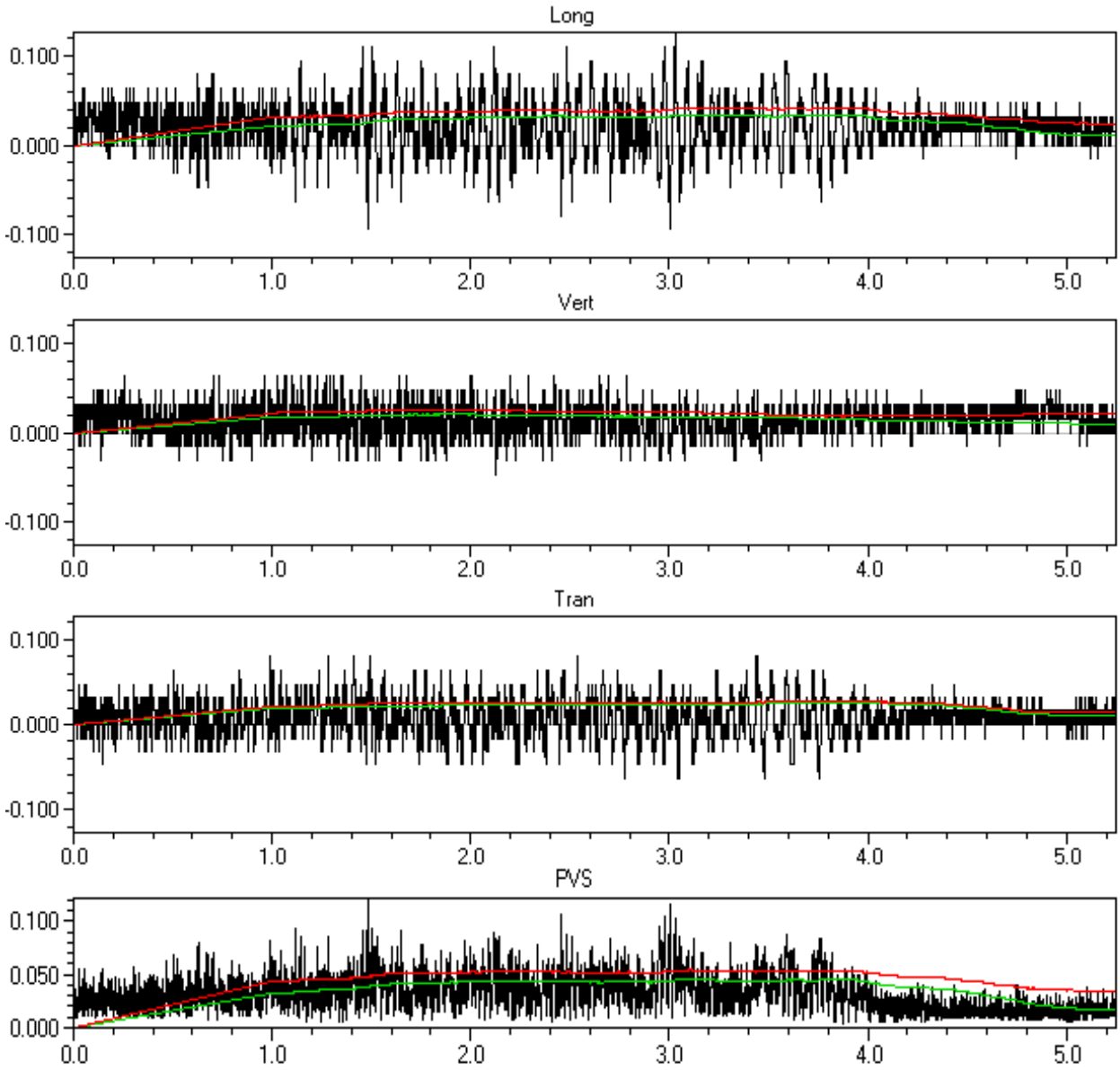



**BlastView RMS report. Generated: 19.5.2016 10:57:40** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 12:17:16 | *File Name:* | Q709GD67.GS0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

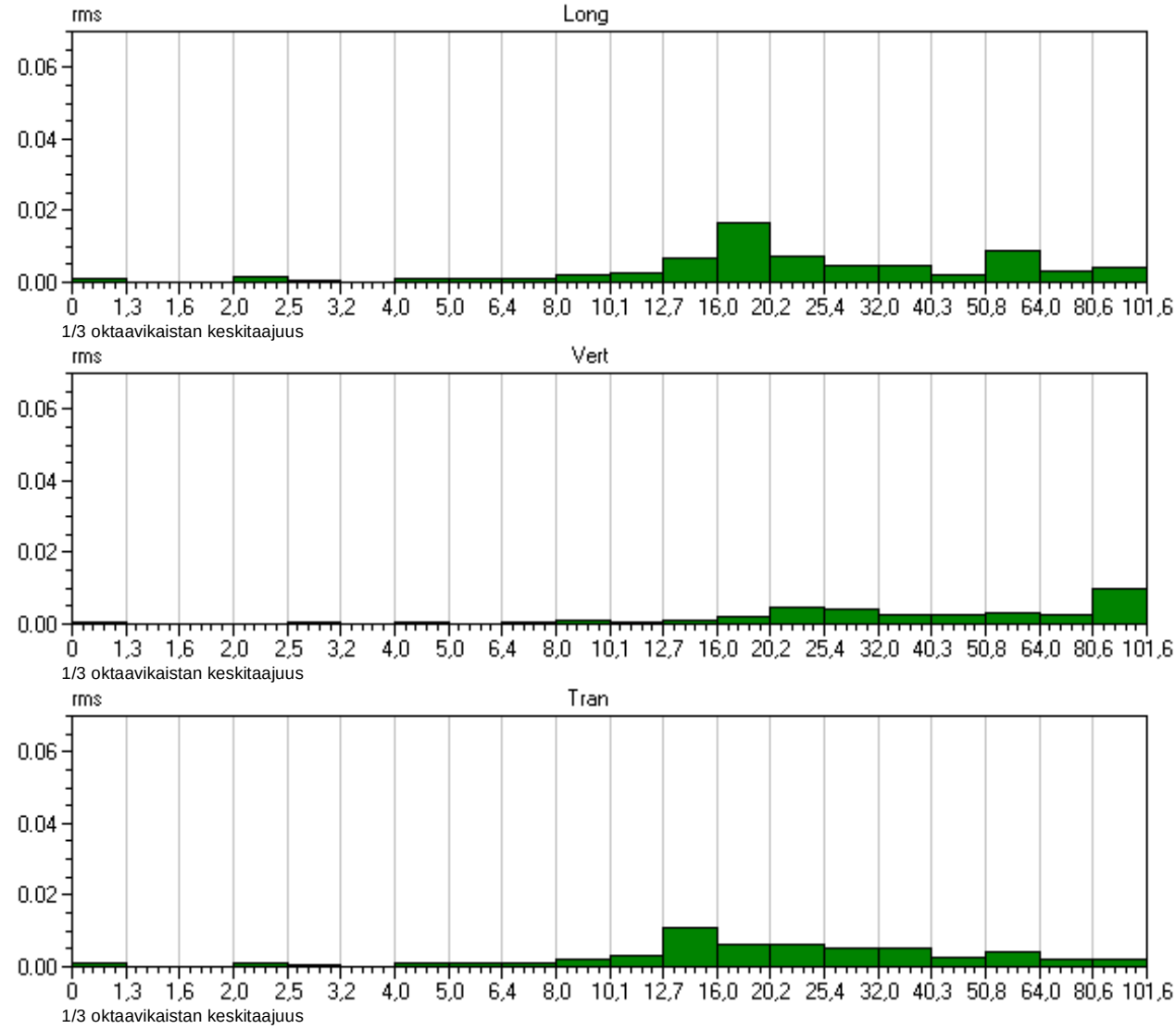
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.128 | mm/s |
| *Freq* | 57 | 85 | 18 | | Hz |
| *Time of Peak* | 0.741 | 0.008 | 2.778 | 2.778 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00067 | 0.00033 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,05** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:40** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 12:17:16 | *File Name:* | Q709GD67.GS0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

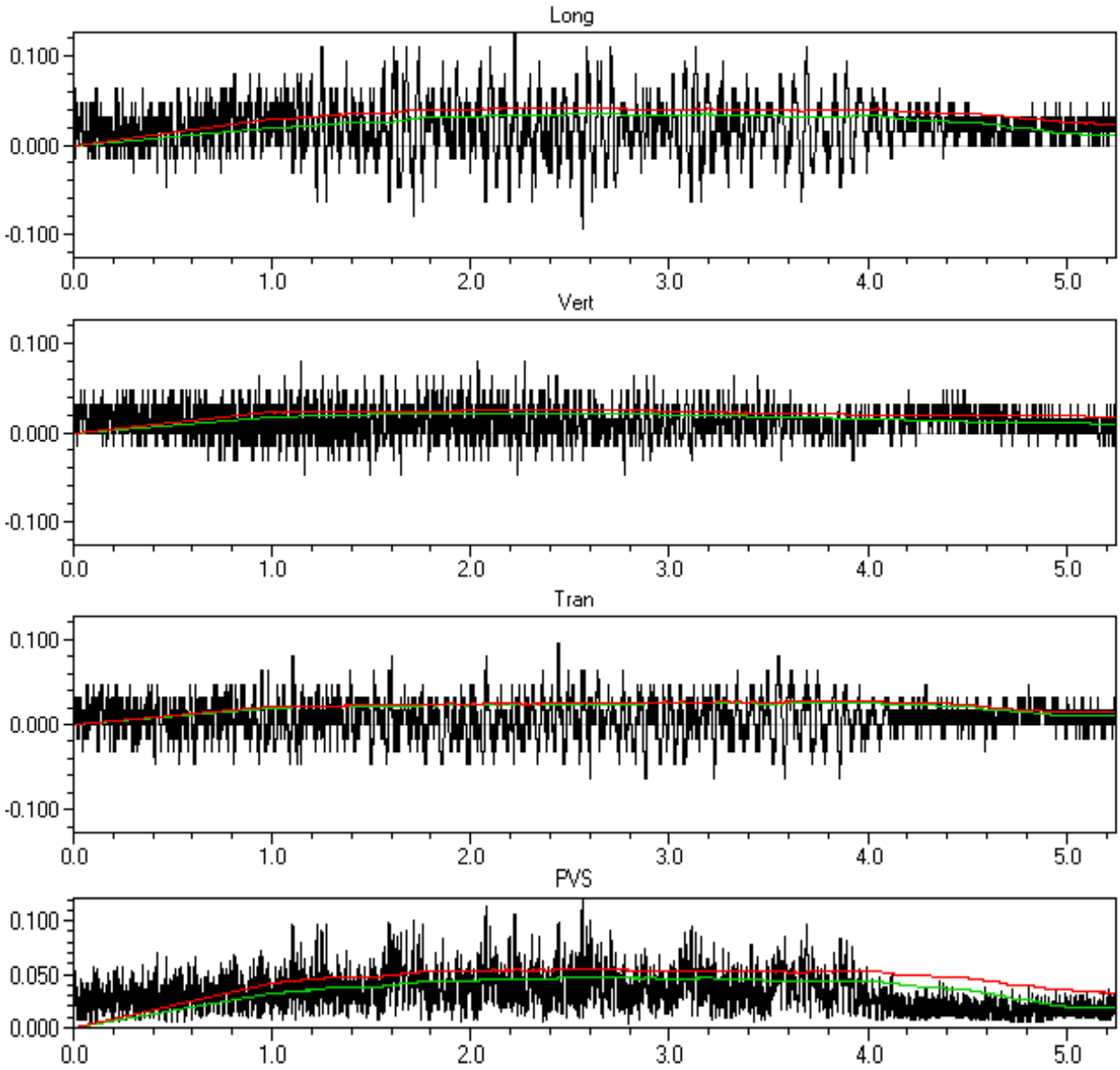
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.128 | mm/s |
| *Freq* | 57 | 85 | 18 | | Hz |
| *Time of Peak* | 0.741 | 0.008 | 2.778 | 2.778 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00067 | 0.00033 | 0.00098 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,05** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:57:41** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 16:17:40 | *File Name:* | Q709GD6I.LG0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

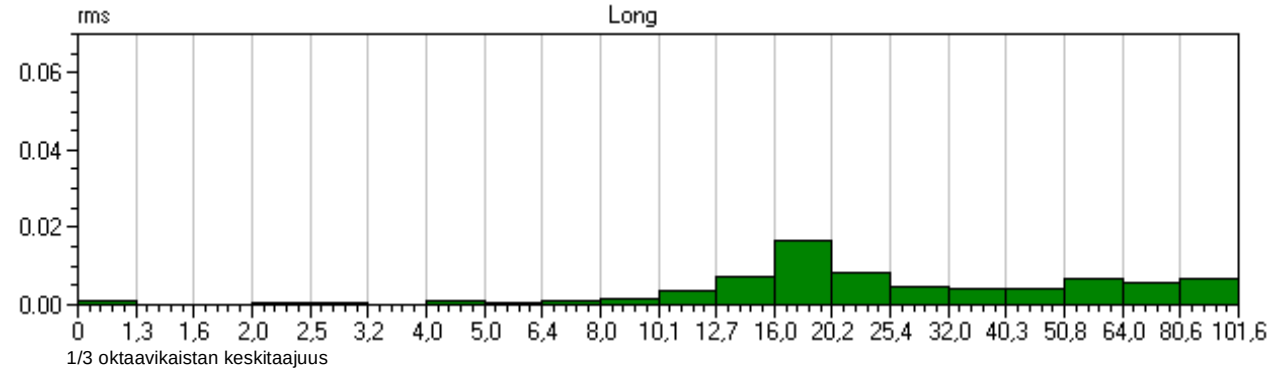
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.127 | 0.131 | mm/s |
| *Freq* | 39 | 64 | 20 | | Hz |
| *Time of Peak* | 2.188 | 0.894 | 1.971 | 1.972 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00064 | 0.00026 | 0.00091 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |

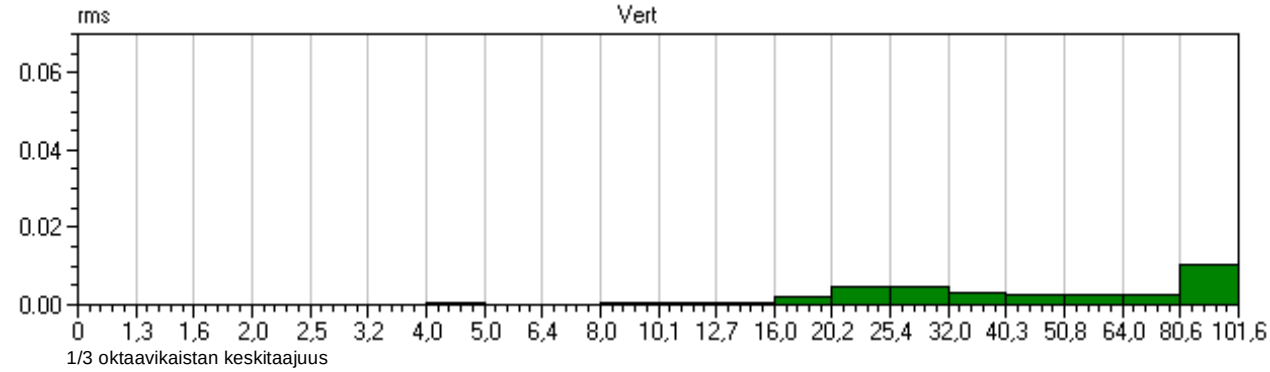


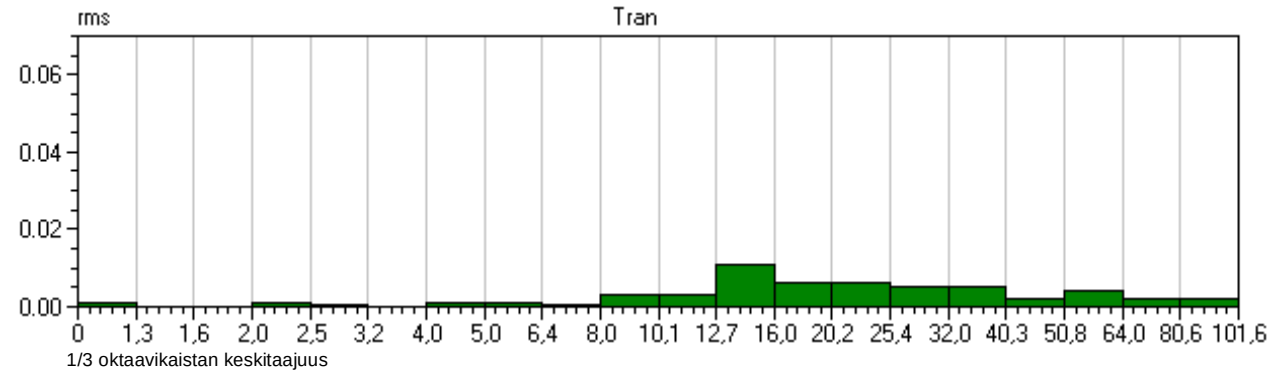
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:42** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 16:17:40 | *File Name:* | Q709GD6I.LG0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.0794 | 0.127 | 0.131 | mm/s |
| *Freq* | 39 | 64 | 20 | | Hz |
| *Time of Peak* | 2.188 | 0.894 | 1.971 | 1.972 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00064 | 0.00026 | 0.00091 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,03** | **0,03** | **0,04** | **0,06** | mm/s |



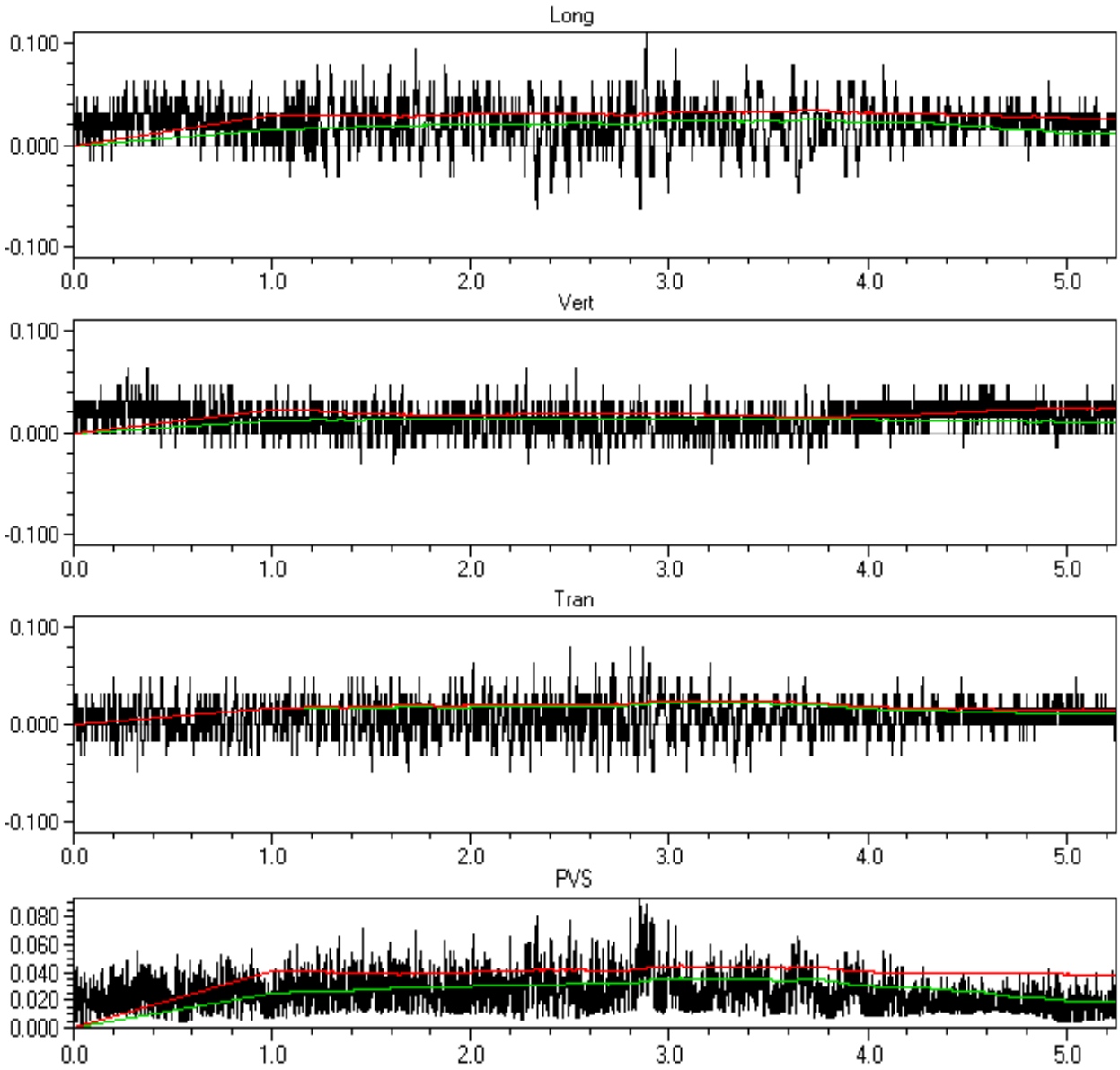



**BlastView RMS report. Generated: 19.5.2016 10:57:43** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:16:39 | *File Name:* | Q709GD7W.JR0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

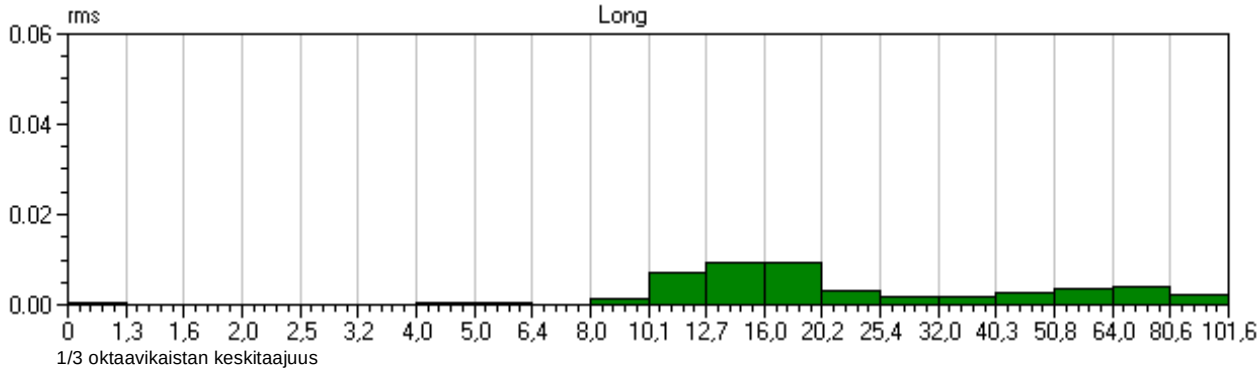
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.111 | 0.117 | mm/s |
| *Freq* | 51 | 37 | 19 | | Hz |
| *Time of Peak* | 2.250 | 0.020 | 2.632 | 2.632 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00046 | 0.00029 | 0.00085 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |

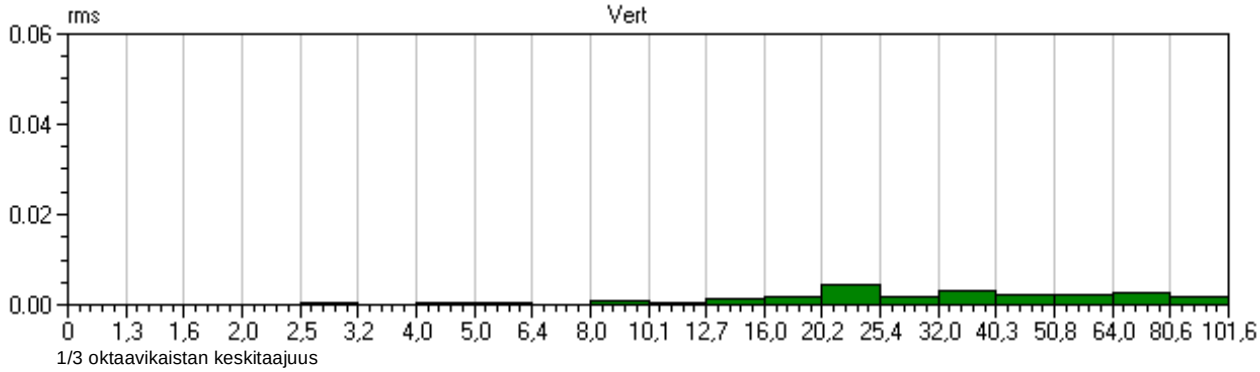


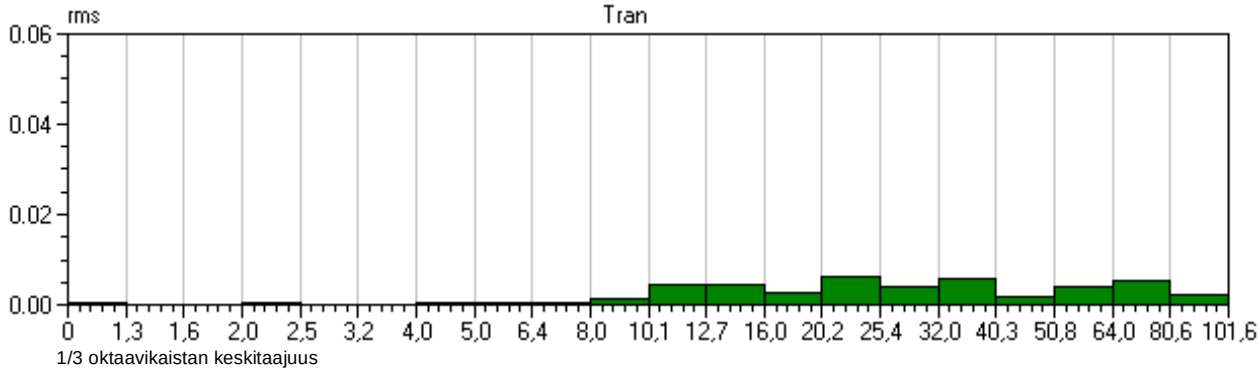
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:43** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:16:39 | *File Name:* | Q709GD7W.JR0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.111 | 0.117 | mm/s |
| *Freq* | 51 | 37 | 19 | | Hz |
| *Time of Peak* | 2.250 | 0.020 | 2.632 | 2.632 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00046 | 0.00029 | 0.00085 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,01** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |



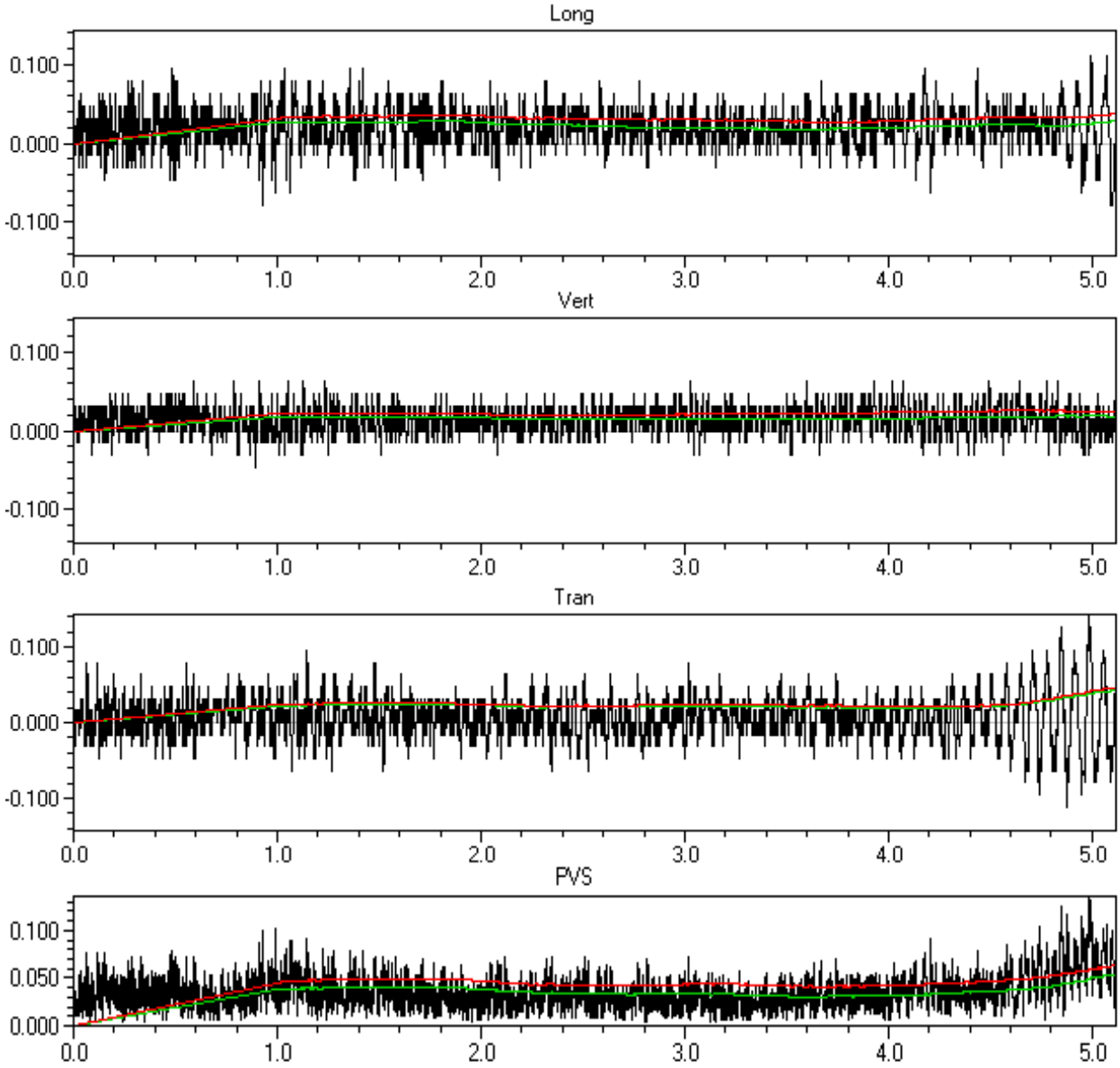



**BlastView RMS report. Generated: 19.5.2016 10:57:45** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:31:22 | *File Name:* | Q709GD7X.8A0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

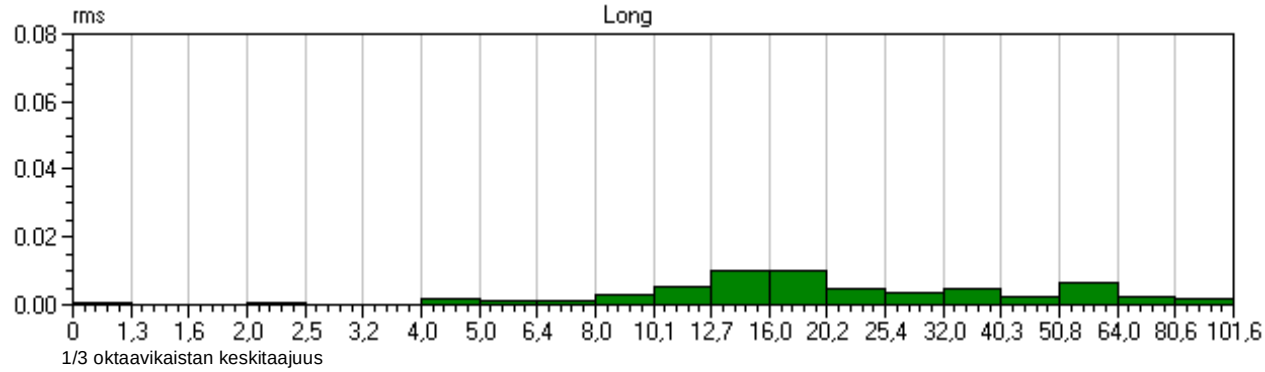
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.143 | 0.0635 | 0.111 | 0.151 | mm/s |
| *Freq* | 19 | 57 | 20 | | Hz |
| *Time of Peak* | 4.866 | 0.468 | 4.878 | 4.730 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00119 | 0.00035 | 0.00112 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,05** | **0,03** | **0,04** | **0,06** | mm/s |

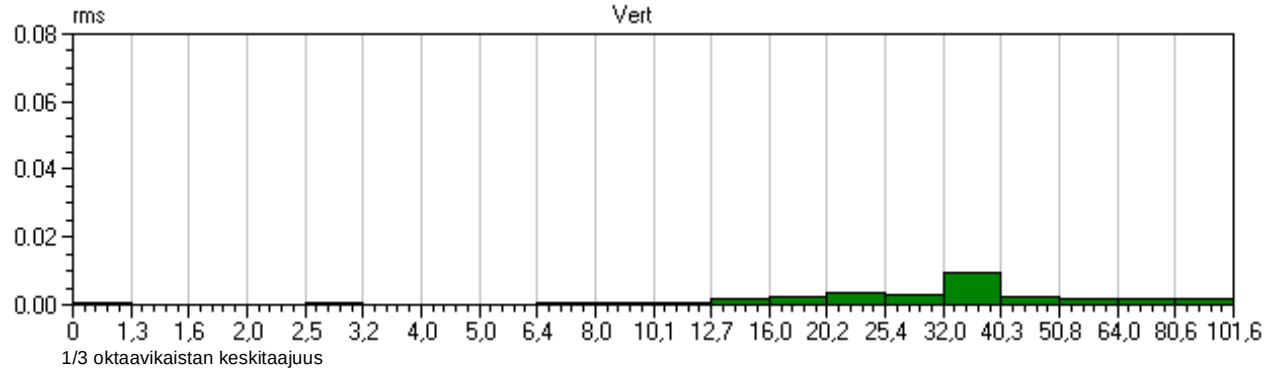


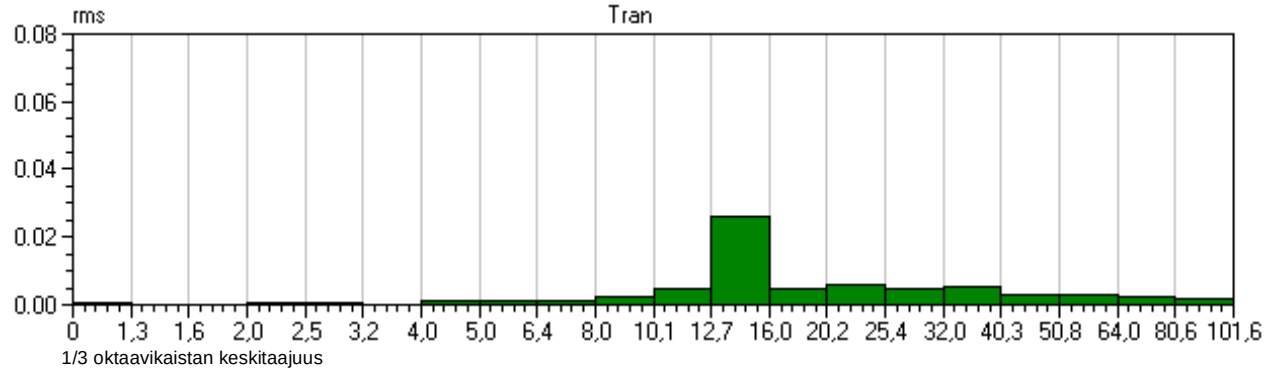
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:45** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:31:22 | *File Name:* | Q709GD7X.8A0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.143 | 0.0635 | 0.111 | 0.151 | mm/s |
| *Freq* | 19 | 57 | 20 | | Hz |
| *Time of Peak* | 4.866 | 0.468 | 4.878 | 4.730 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00119 | 0.00035 | 0.00112 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,05** | **0,03** | **0,04** | **0,06** | mm/s |



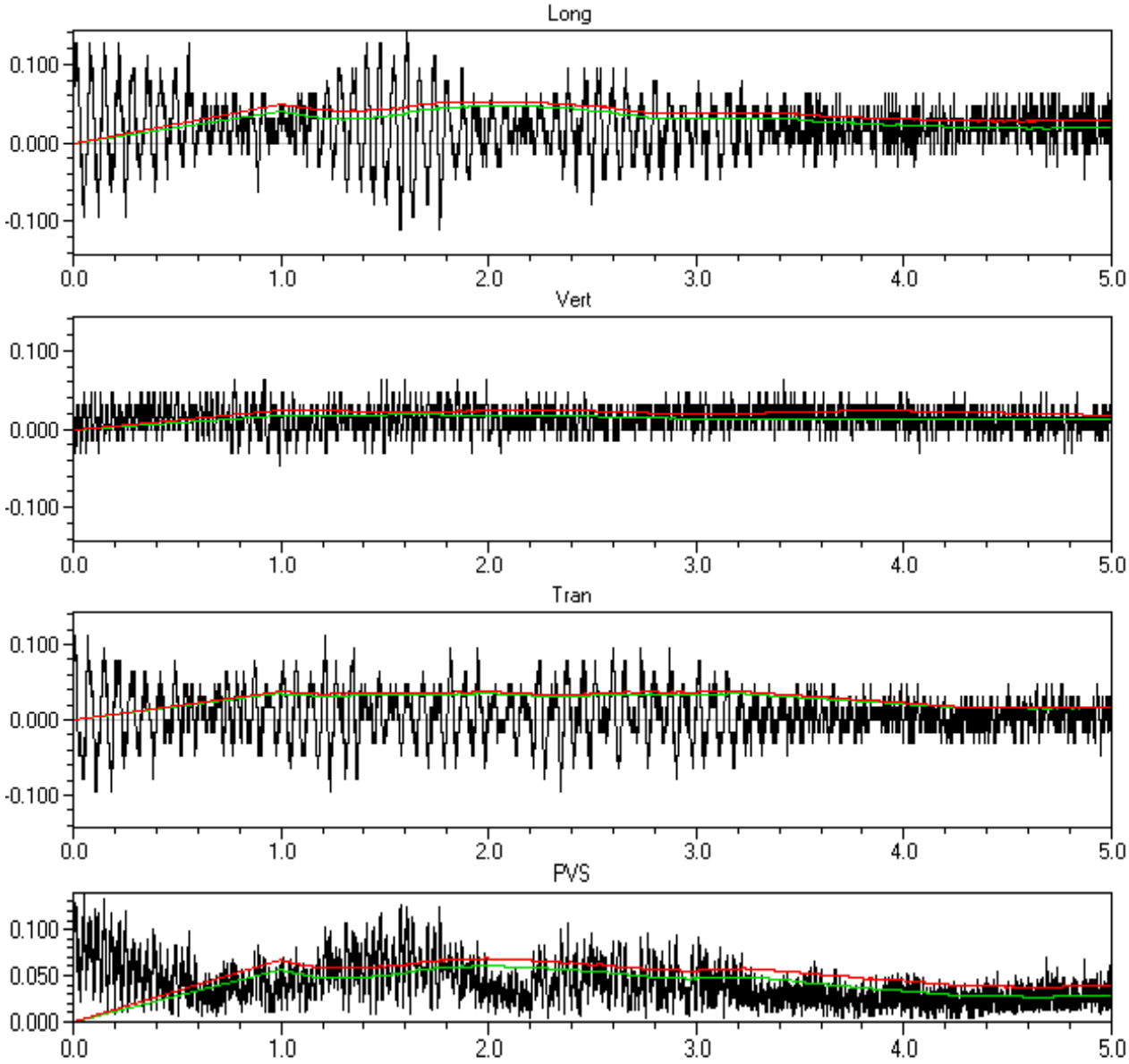



**BlastView RMS report. Generated: 19.5.2016 10:57:47** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:31:27 | *File Name:* | Q709GD7X.8F0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

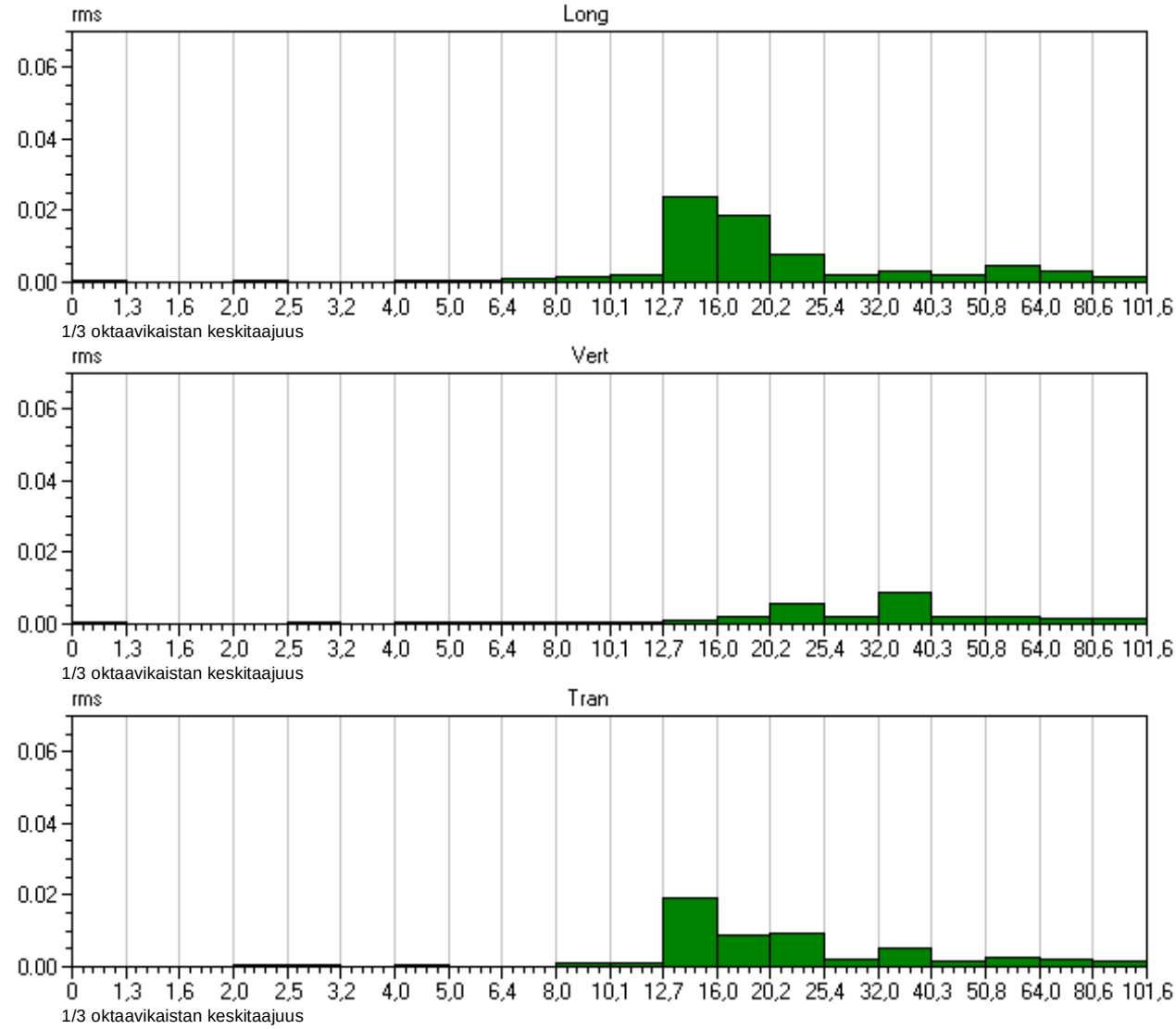
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0635 | 0.143 | 0.159 | mm/s |
| *Freq* | | 30 | 18 | | Hz |
| *Time of Peak* | 0.004 | 0.773 | 1.608 | 0.149 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00088 | 0.00043 | 0.00138 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,05** | **0,06** | mm/s |
| *RMS (1s)* | **0,04** | **0,02** | **0,05** | **0,07** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:47** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 10:31:27 | *File Name:* | Q709GD7X.8F0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

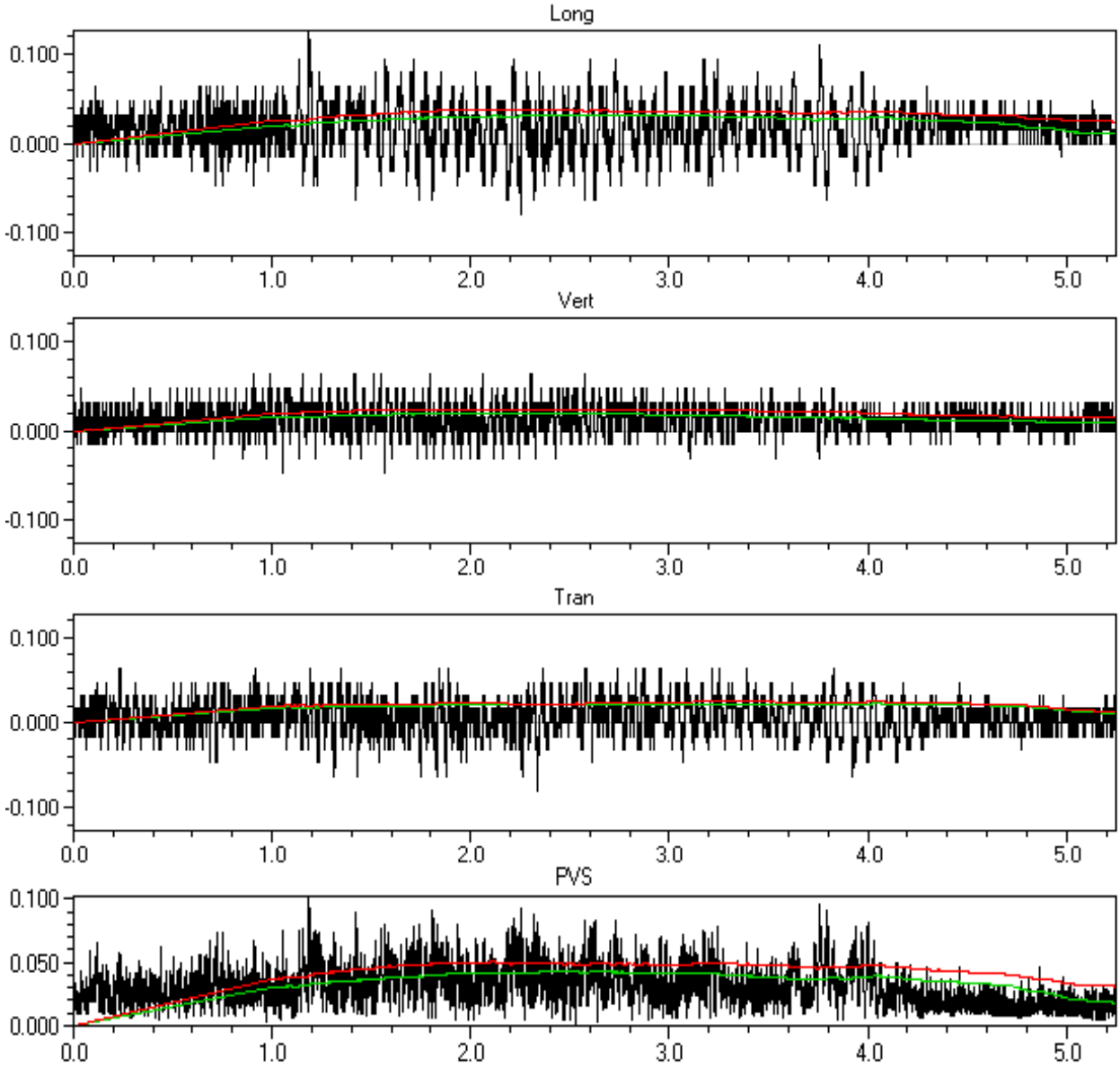
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0635 | 0.143 | 0.159 | mm/s |
| *Freq* | | 30 | 18 | | Hz |
| *Time of Peak* | 0.004 | 0.773 | 1.608 | 0.149 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00497 | 0.00663 | | g |
| *Peak Displacement* | 0.00088 | 0.00043 | 0.00138 | | mm |
| *RMS (1s fw 5.6)* | **0,04** | **0,02** | **0,05** | **0,06** | mm/s |
| *RMS (1s)* | **0,04** | **0,02** | **0,05** | **0,07** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 10:57:49** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 13:17:42 | *File Name:* | Q709GD84.XI0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

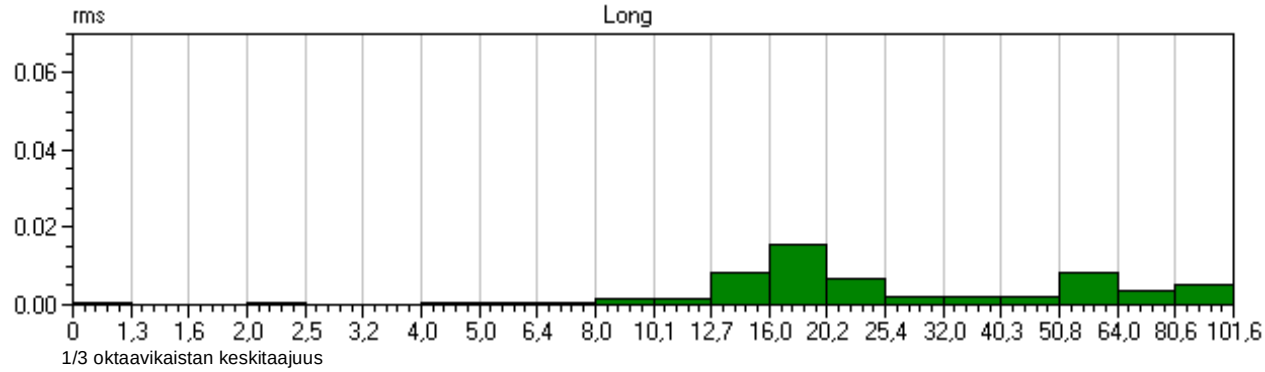
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.128 | mm/s |
| *Freq* | 51 | >100 | 21 | | Hz |
| *Time of Peak* | 2.089 | 0.657 | 0.935 | 0.935 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00040 | 0.00028 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |

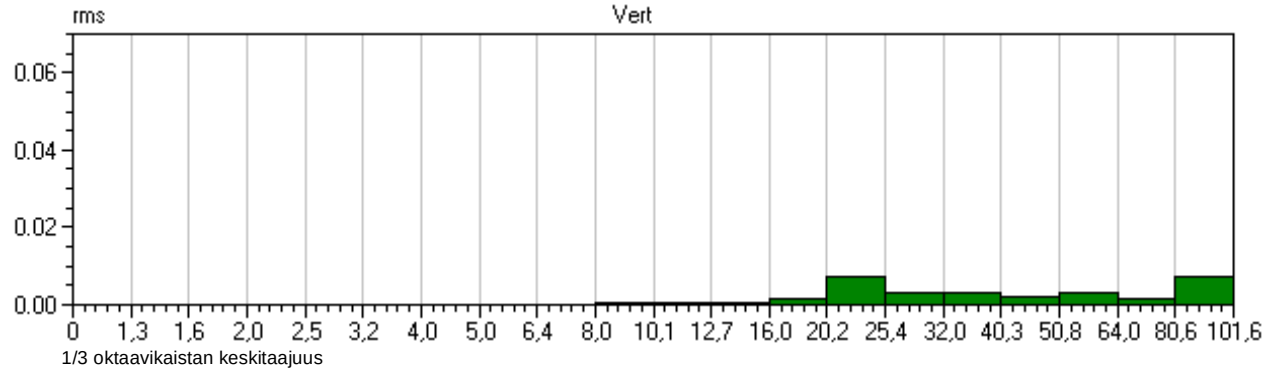


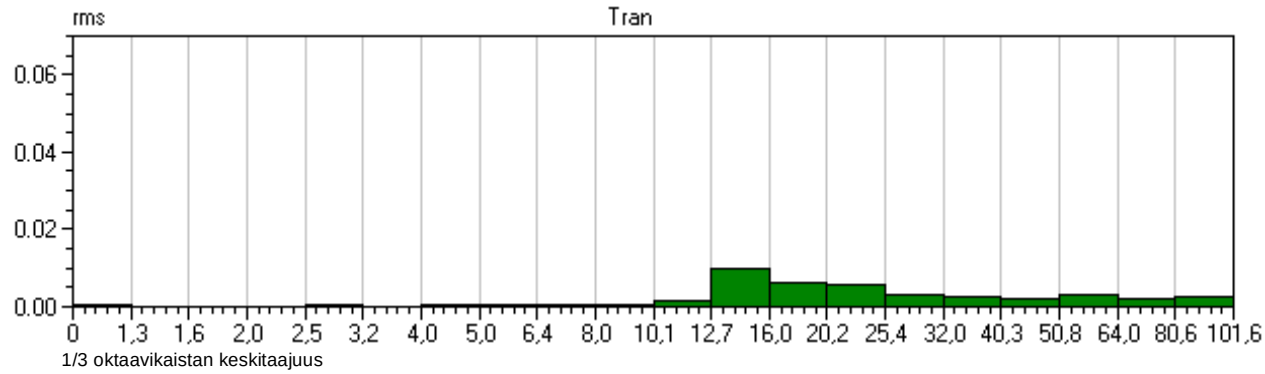
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 10:57:49** - **MP4**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE15709, V 10.06-8.17 MiniMate Plus |
| *Event Time:* | 13:17:42 | *File Name:* | Q709GD84.XI0W |
| *Location:* | Hollonranta, linja 2, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 13, 2010 by Instantel inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.0635 | 0.127 | 0.128 | mm/s |
| *Freq* | 51 | >100 | 21 | | Hz |
| *Time of Peak* | 2.089 | 0.657 | 0.935 | 0.935 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00497 | 0.00497 | | g |
| *Peak Displacement* | 0.00040 | 0.00028 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,03** | **0,02** | **0,04** | **0,05** | mm/s |



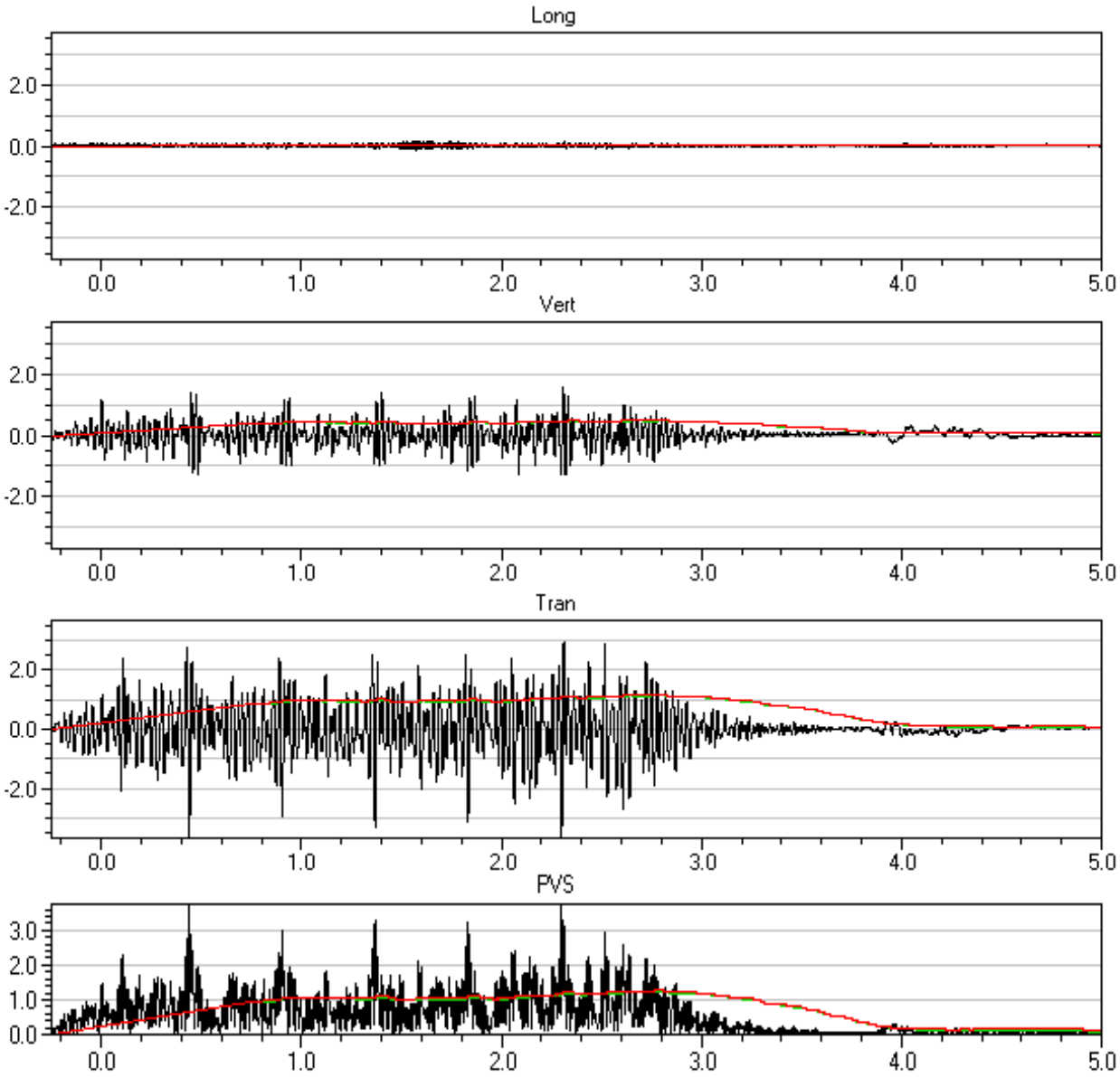



**BlastView RMS report. Generated: 19.5.2016 11:05:55** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 23:15:13 | *File Name:* | K808GD57.9D0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

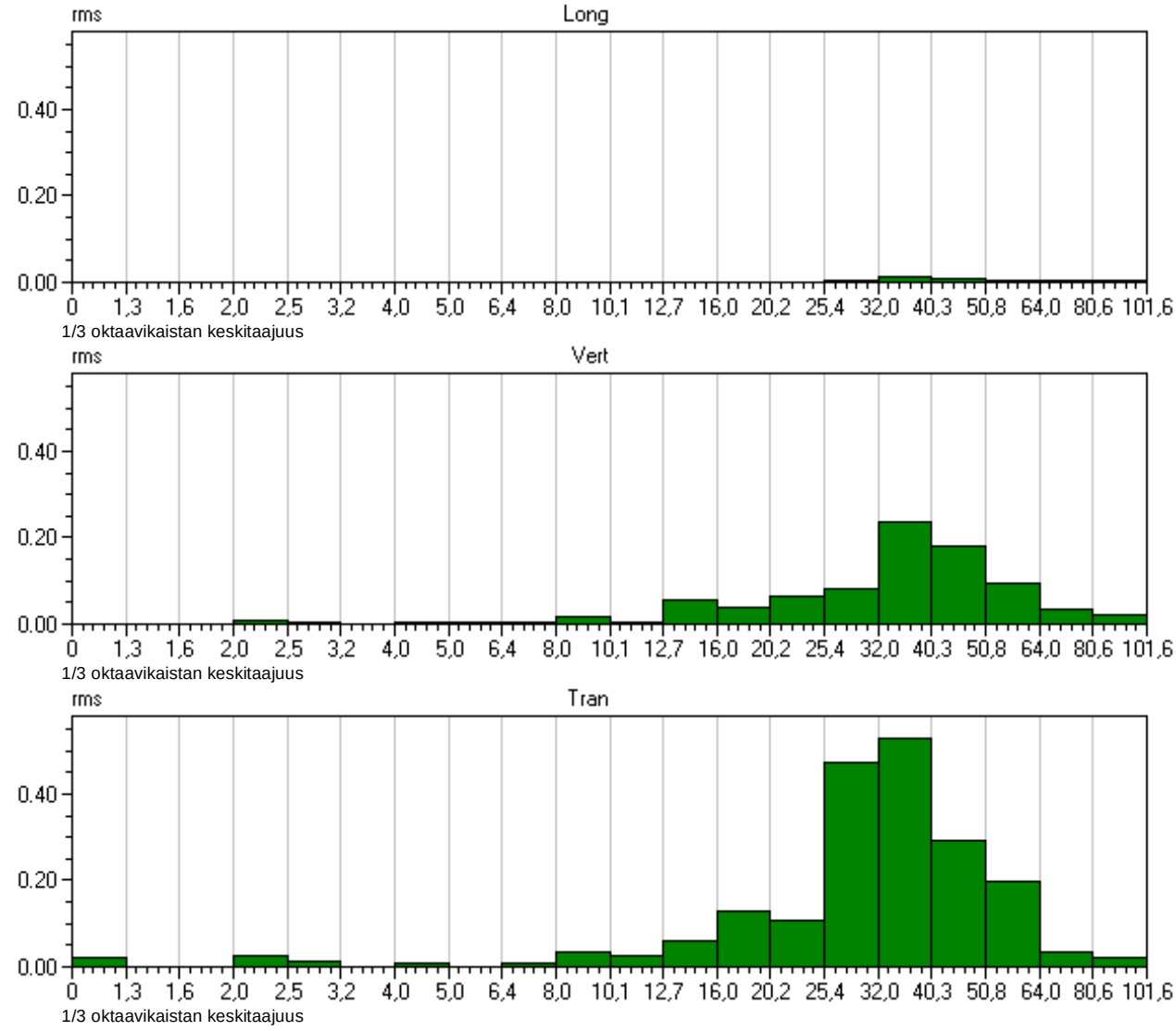
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.68 | 1.57 | 0.175 | 3.74 | mm/s |
| *Freq* | 37 | 39 | >100 | | Hz |
| *Time of Peak* | 0.438 | 2.309 | 1.639 | 2.299 | Sec |
| *Peak Acceleration* | 0.0895 | 0.0464 | 0.0182 | | g |
| *Peak Displacement* | 0.0162 | 0.0156 | 0.00039 | | mm |
| *RMS (1s fw 5.6)* | **1,15** | **0,48** | **0,05** | **1,24** | mm/s |
| *RMS (1s)* | **1,17** | **0,49** | **0,05** | **1,27** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:05:55** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 23:15:13 | *File Name:* | K808GD57.9D0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

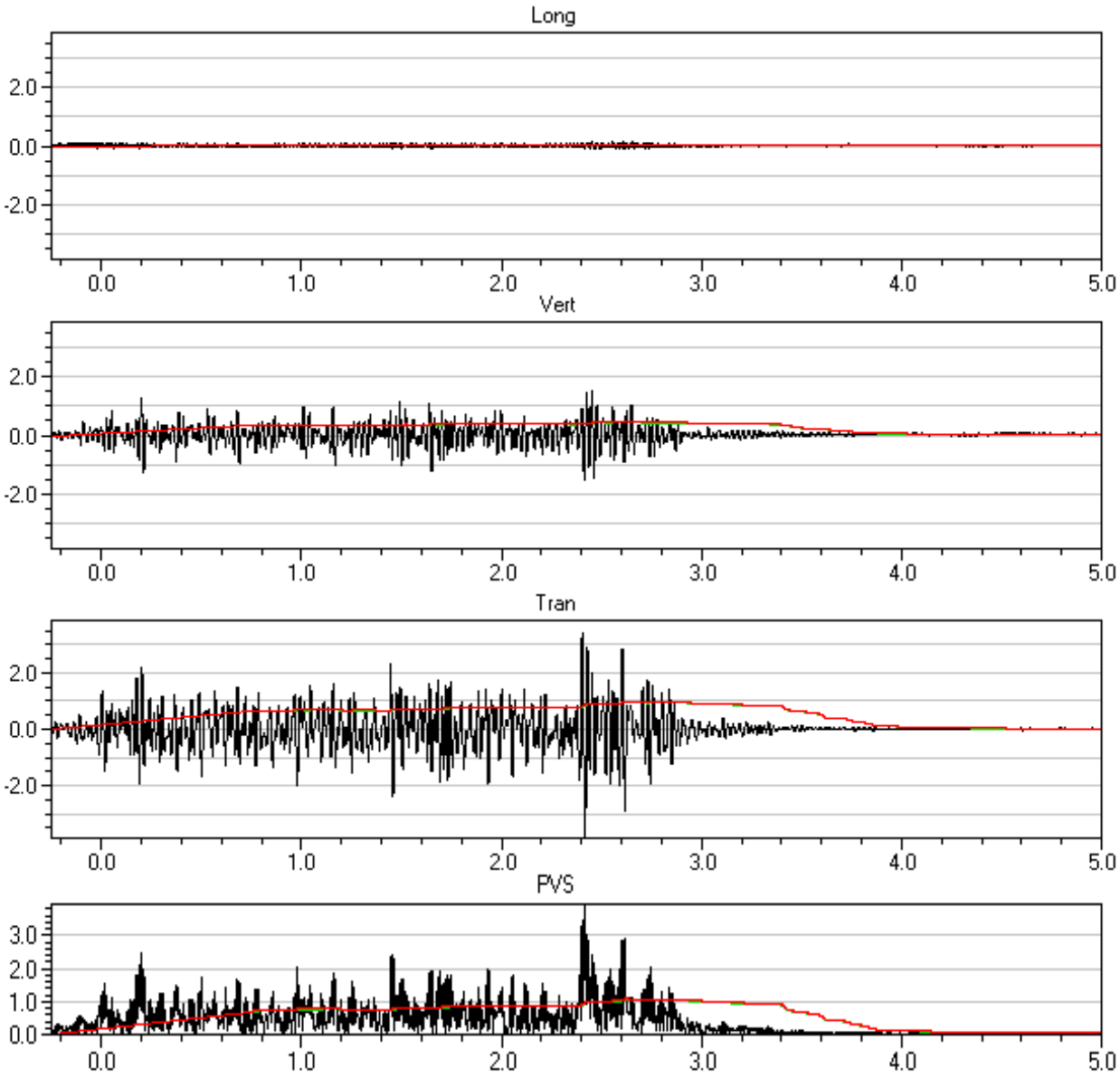
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.68 | 1.57 | 0.175 | 3.74 | mm/s |
| *Freq* | 37 | 39 | >100 | | Hz |
| *Time of Peak* | 0.438 | 2.309 | 1.639 | 2.299 | Sec |
| *Peak Acceleration* | 0.0895 | 0.0464 | 0.0182 | | g |
| *Peak Displacement* | 0.0162 | 0.0156 | 0.00039 | | mm |
| *RMS (1s fw 5.6)* | **1,15** | **0,48** | **0,05** | **1,24** | mm/s |
| *RMS (1s)* | **1,17** | **0,49** | **0,05** | **1,27** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:00** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:19:57 | *File Name:* | K808GD5T.P90 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

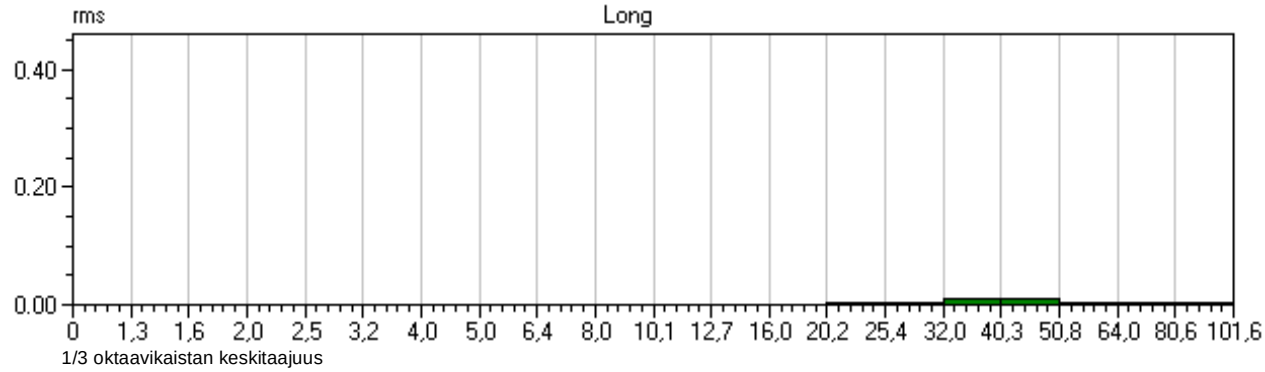
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.87 | 1.54 | 0.143 | 3.97 | mm/s |
| *Freq* | 37 | 43 | 57 | | Hz |
| *Time of Peak* | 2.416 | 2.413 | 2.454 | 2.416 | Sec |
| *Peak Acceleration* | 0.0911 | 0.0464 | 0.0133 | | g |
| *Peak Displacement* | 0.0164 | 0.00646 | 0.00038 | | mm |
| *RMS (1s fw 5.6)* | **0,97** | **0,45** | **0,03** | **1,07** | mm/s |
| *RMS (1s)* | **0,99** | **0,46** | **0,04** | **1,09** | mm/s |

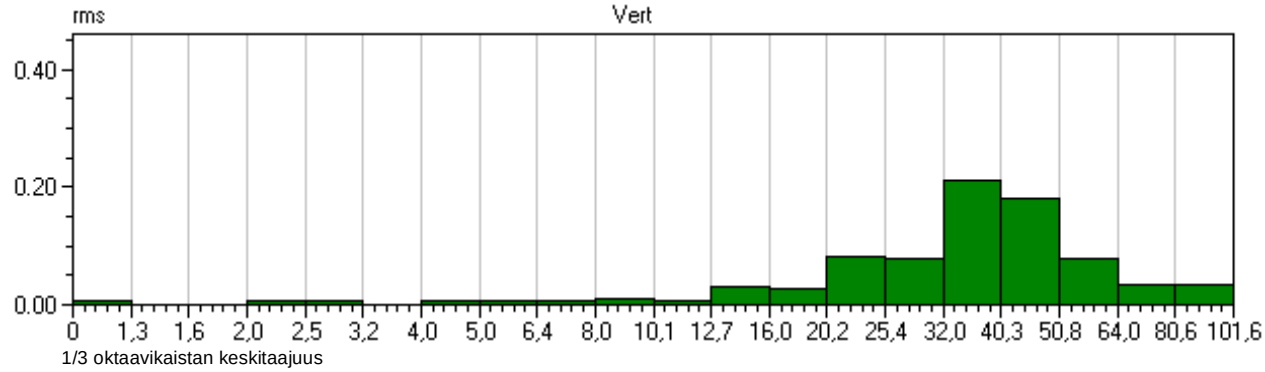


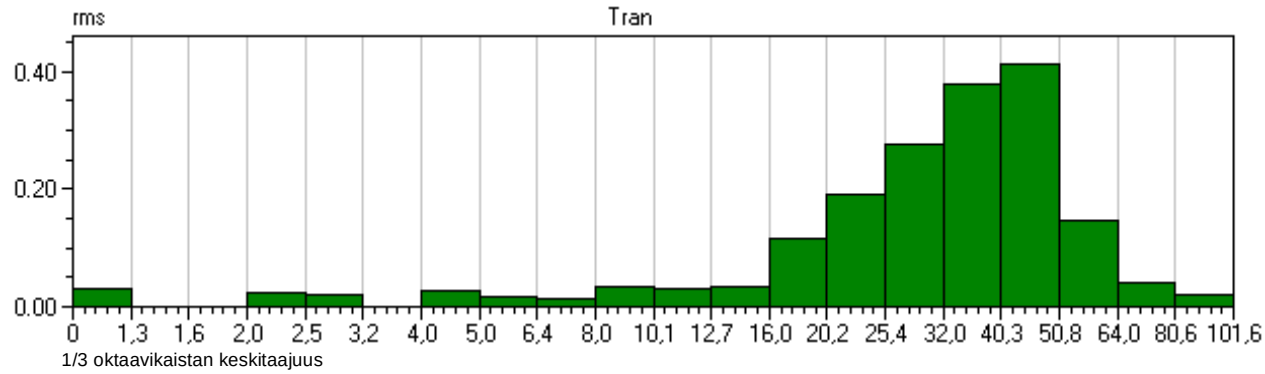
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:00** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:19:57 | *File Name:* | K808GD5T.P90 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.87 | 1.54 | 0.143 | 3.97 | mm/s |
| *Freq* | 37 | 43 | 57 | | Hz |
| *Time of Peak* | 2.416 | 2.413 | 2.454 | 2.416 | Sec |
| *Peak Acceleration* | 0.0911 | 0.0464 | 0.0133 | | g |
| *Peak Displacement* | 0.0164 | 0.00646 | 0.00038 | | mm |
| *RMS (1s fw 5.6)* | **0,97** | **0,45** | **0,03** | **1,07** | mm/s |
| *RMS (1s)* | **0,99** | **0,46** | **0,04** | **1,09** | mm/s |



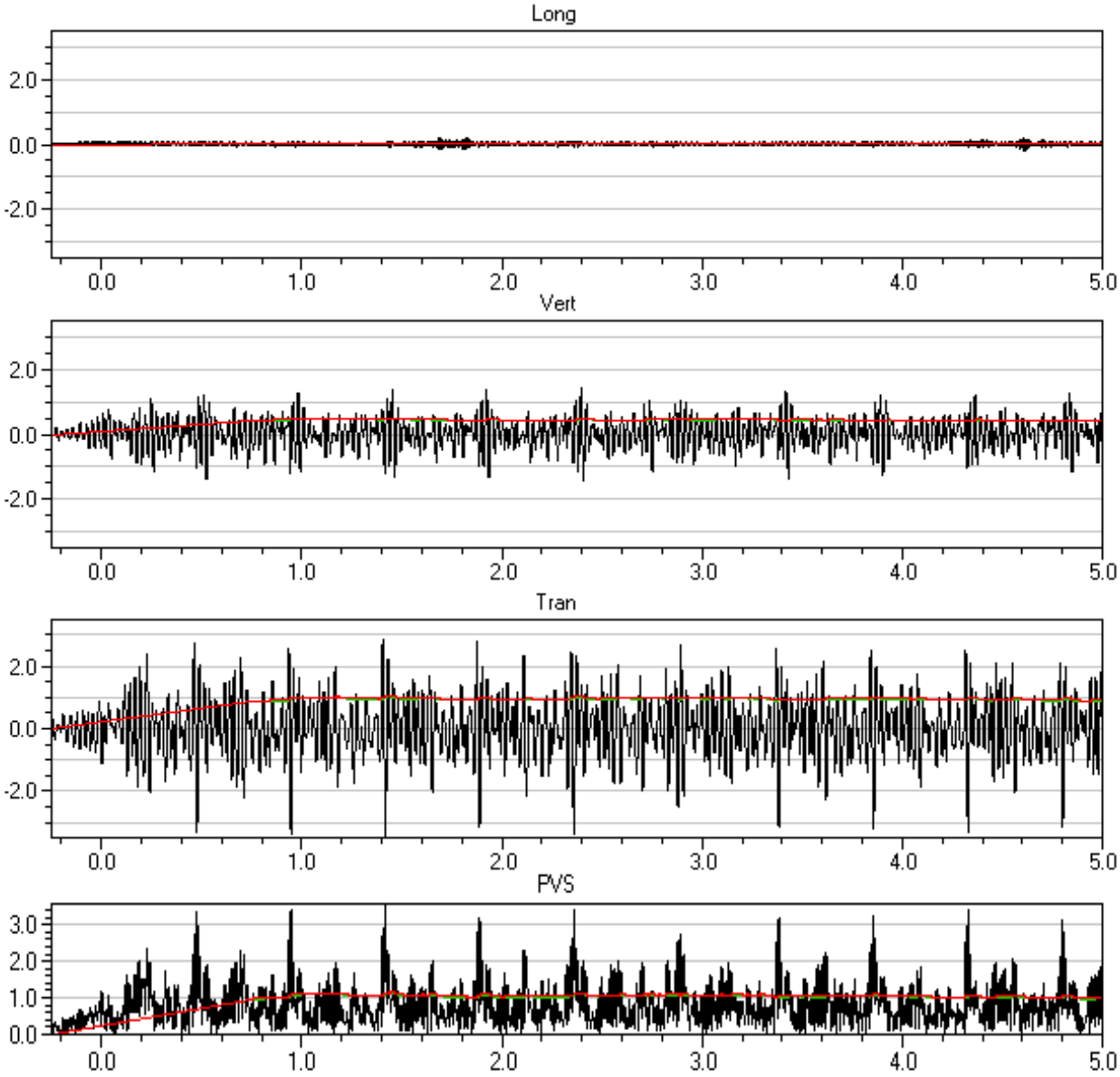



**BlastView RMS report. Generated: 19.5.2016 11:06:02** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:11:25 | *File Name:* | K808GD5W.310 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

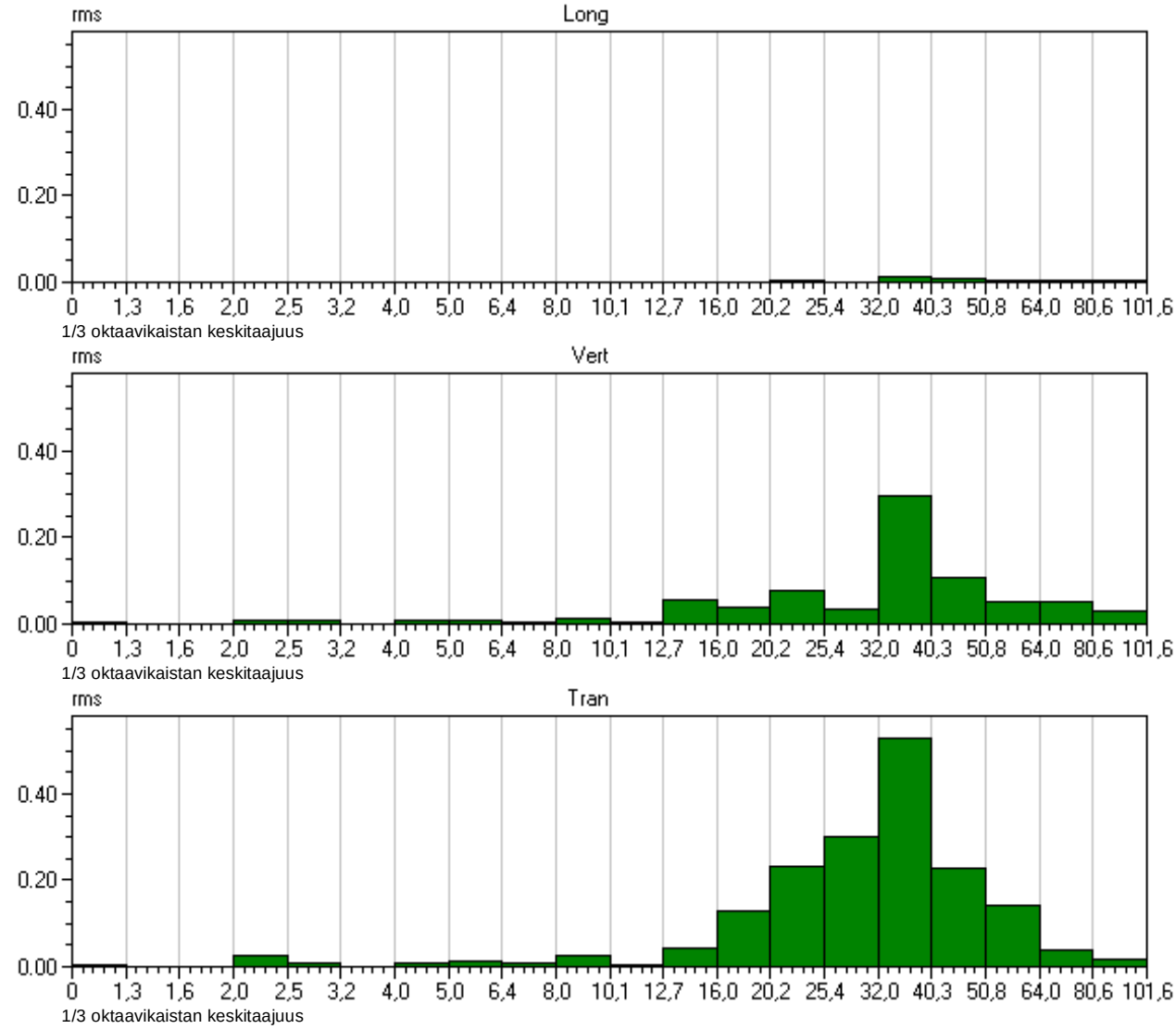
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.49 | 1.43 | 0.190 | 3.57 | mm/s |
| *Freq* | 37 | 34 | >100 | | Hz |
| *Time of Peak* | 1.417 | 2.395 | 4.612 | 1.417 | Sec |
| *Peak Acceleration* | 0.0812 | 0.0414 | 0.0215 | | g |
| *Peak Displacement* | 0.0151 | 0.00651 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **1,02** | **0,49** | **0,04** | **1,13** | mm/s |
| *RMS (1s)* | **1,04** | **0,50** | **0,05** | **1,15** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:02** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:11:25 | *File Name:* | K808GD5W.310 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

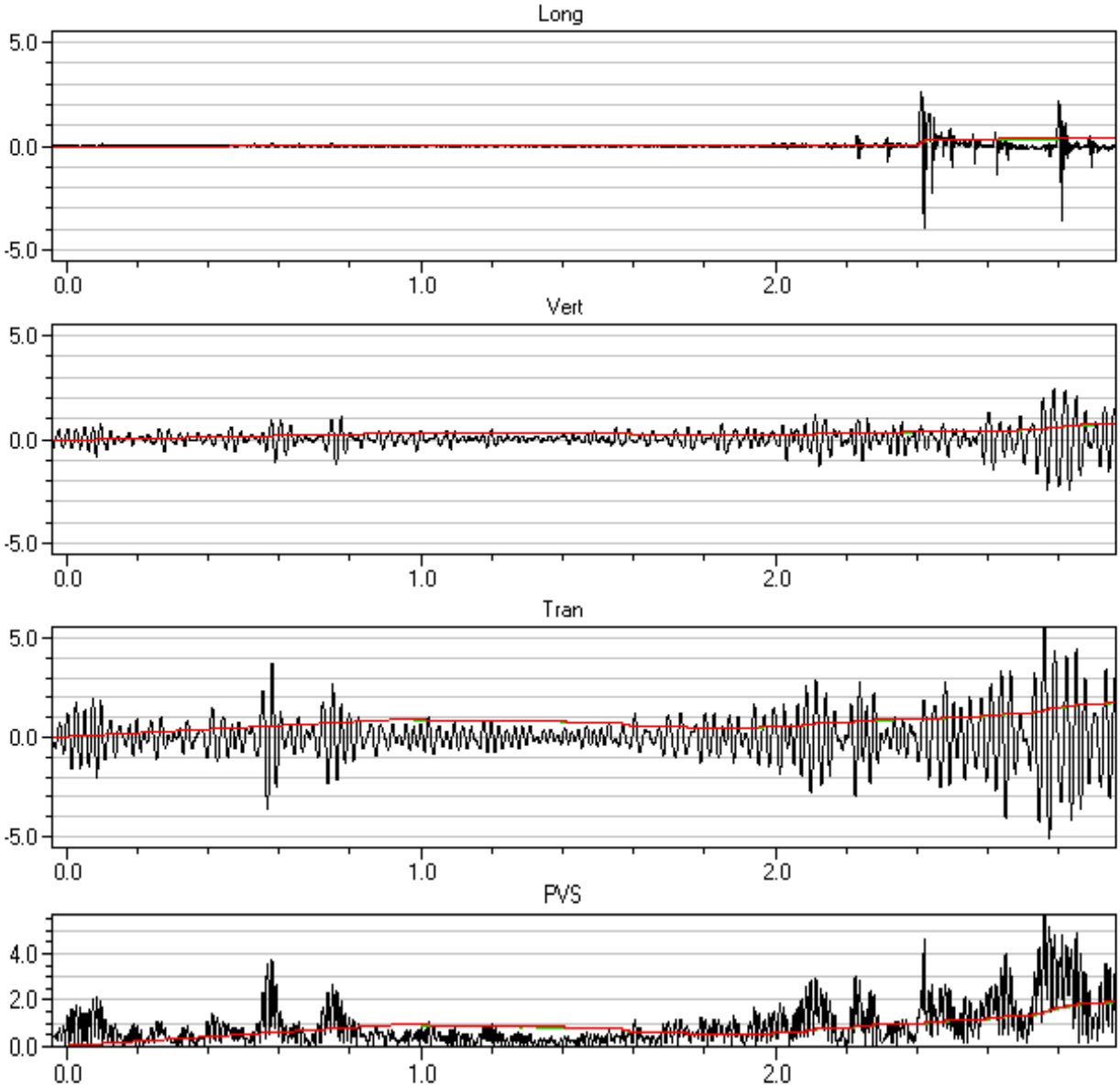
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.49 | 1.43 | 0.190 | 3.57 | mm/s |
| *Freq* | 37 | 34 | >100 | | Hz |
| *Time of Peak* | 1.417 | 2.395 | 4.612 | 1.417 | Sec |
| *Peak Acceleration* | 0.0812 | 0.0414 | 0.0215 | | g |
| *Peak Displacement* | 0.0151 | 0.00651 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **1,02** | **0,49** | **0,04** | **1,13** | mm/s |
| *RMS (1s)* | **1,04** | **0,50** | **0,05** | **1,15** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:05:57** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:19 | *File Name:* | K808GD62.SJ0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

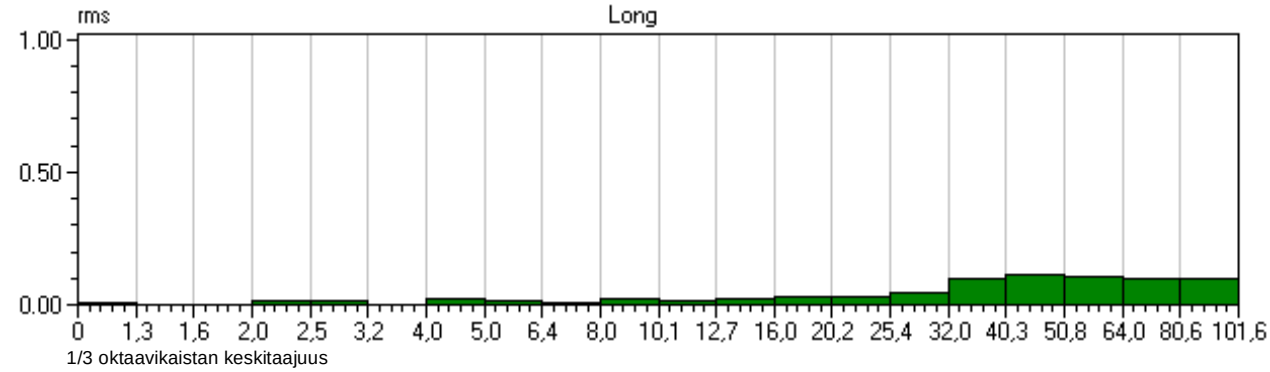
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.54 | 2.48 | 6.00 | 6.08 | mm/s |
| *Freq* | 34 | 37 | 85 | | Hz |
| *Time of Peak* | 2.757 | 2.766 | 3.054 | 3.054 | Sec |
| *Peak Acceleration* | 0.123 | 0.0795 | 0.537 | | g |
| *Peak Displacement* | 0.0250 | 0.0122 | 0.0144 | | mm |
| *RMS (1s fw 5.6)* | **1,72** | **0,75** | **0,41** | **1,92** | mm/s |
| *RMS (1s)* | **1,75** | **0,76** | **0,43** | **1,96** | mm/s |

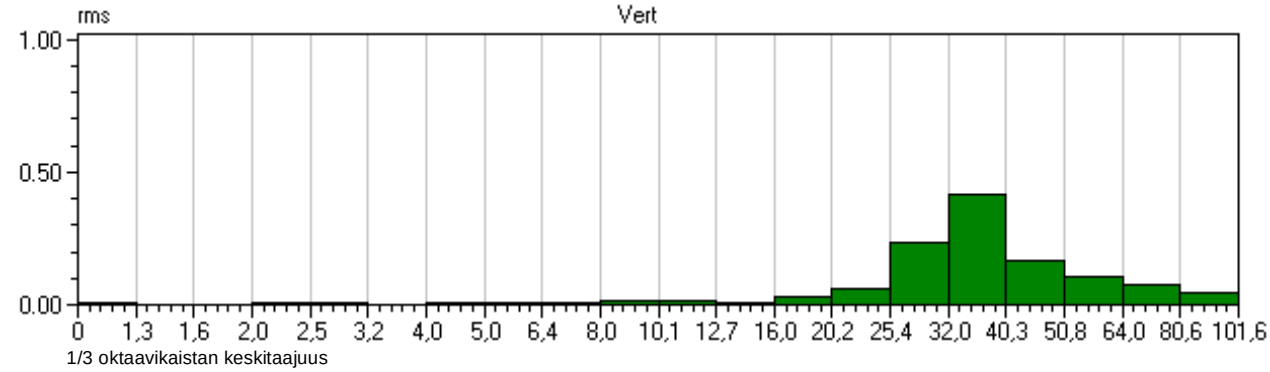


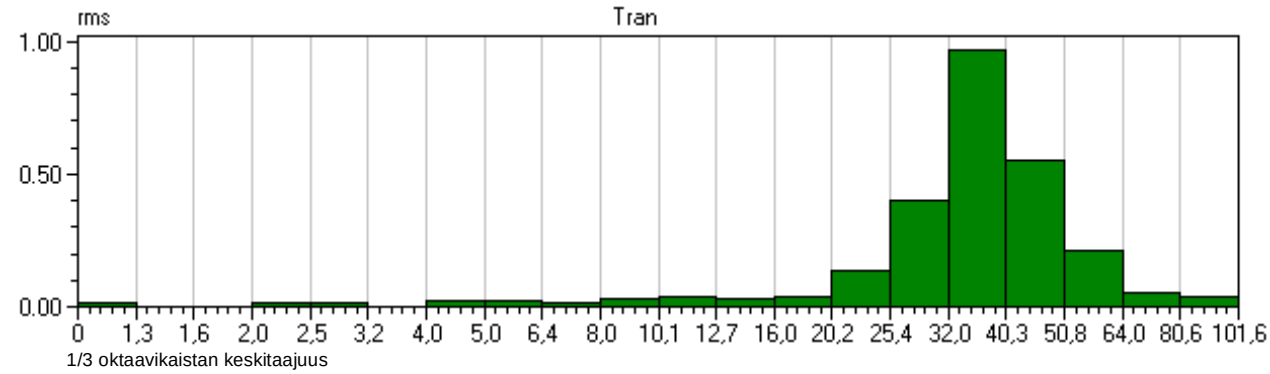
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:05:57** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:36:19 | *File Name:* | K808GD62.SJ0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.54 | 2.48 | 6.00 | 6.08 | mm/s |
| *Freq* | 34 | 37 | 85 | | Hz |
| *Time of Peak* | 2.757 | 2.766 | 3.054 | 3.054 | Sec |
| *Peak Acceleration* | 0.123 | 0.0795 | 0.537 | | g |
| *Peak Displacement* | 0.0250 | 0.0122 | 0.0144 | | mm |
| *RMS (1s fw 5.6)* | **1,72** | **0,75** | **0,41** | **1,92** | mm/s |
| *RMS (1s)* | **1,75** | **0,76** | **0,43** | **1,96** | mm/s |



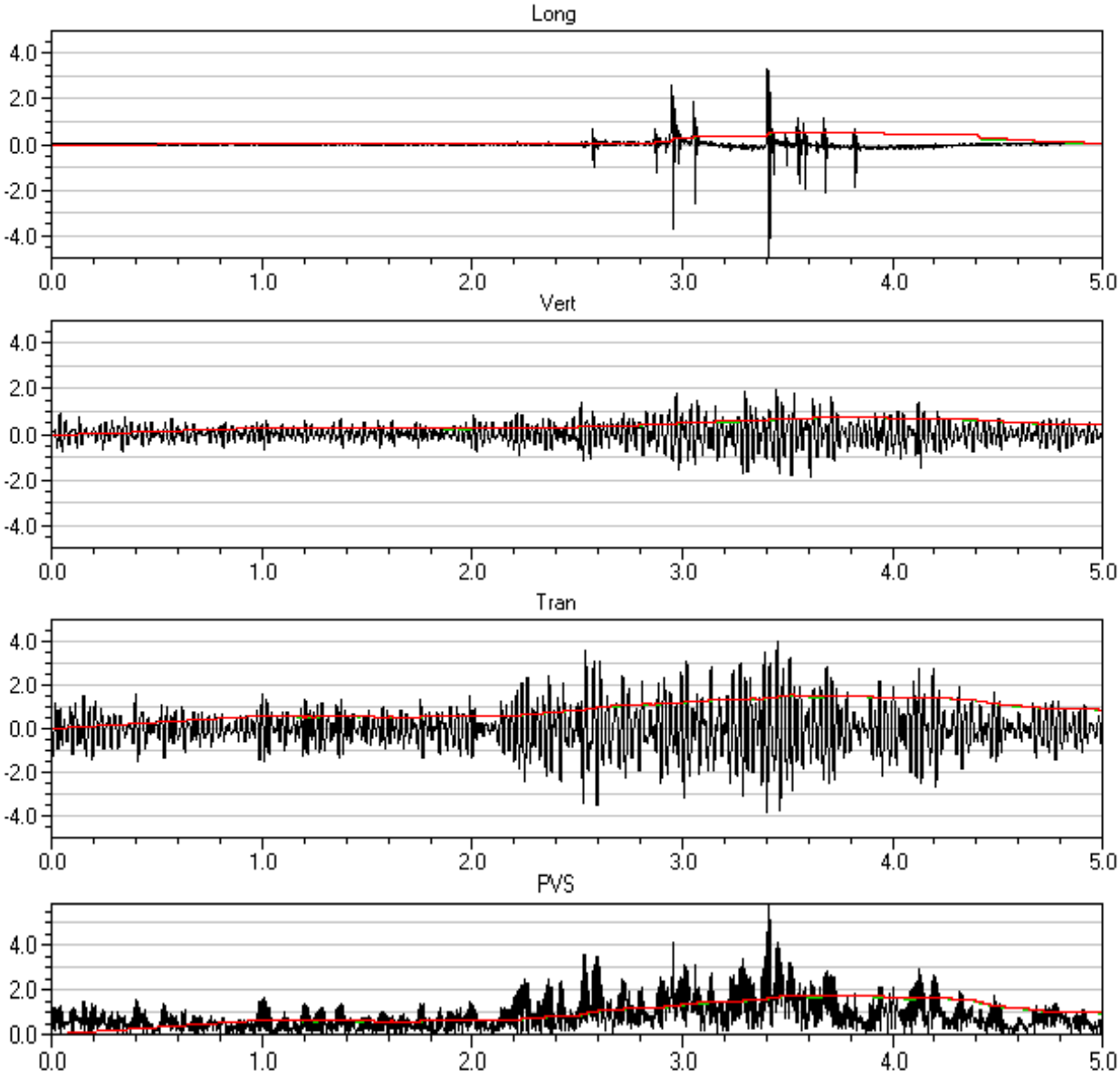



**BlastView RMS report. Generated: 19.5.2016 11:05:58** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 18:11:21 | *File Name:* | K808GD6N.UX0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

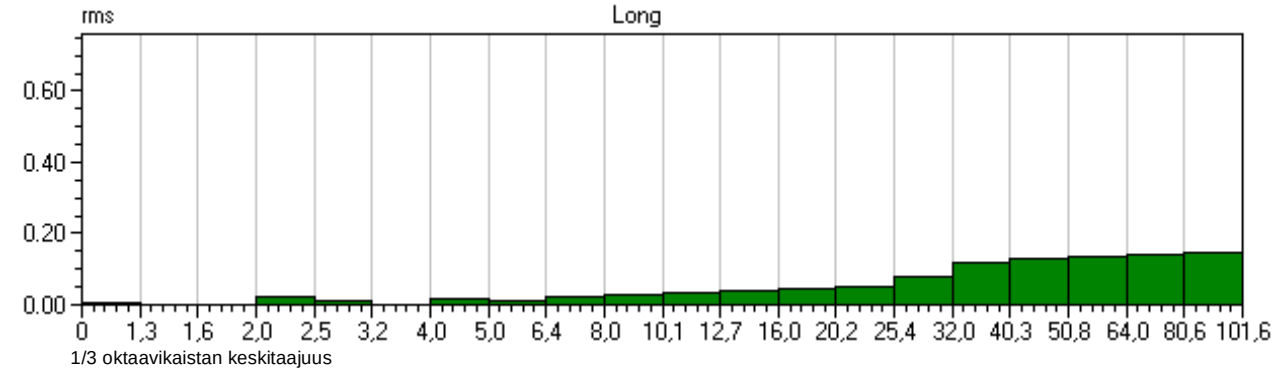
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.97 | 1.92 | 4.98 | 5.79 | mm/s |
| *Freq* | 34 | 37 | 85 | | Hz |
| *Time of Peak* | 3.450 | 3.447 | 3.413 | 3.413 | Sec |
| *Peak Acceleration* | 0.0961 | 0.0547 | 0.313 | | g |
| *Peak Displacement* | 0.0170 | 0.00833 | 0.0128 | | mm |
| *RMS (1s fw 5.6)* | **1,53** | **0,74** | **0,53** | **1,74** | mm/s |
| *RMS (1s)* | **1,55** | **0,75** | **0,55** | **1,77** | mm/s |

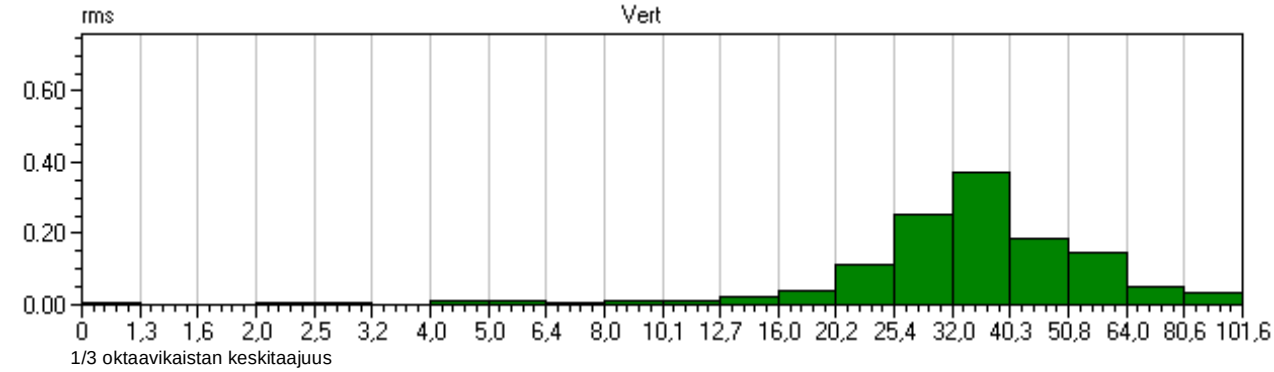


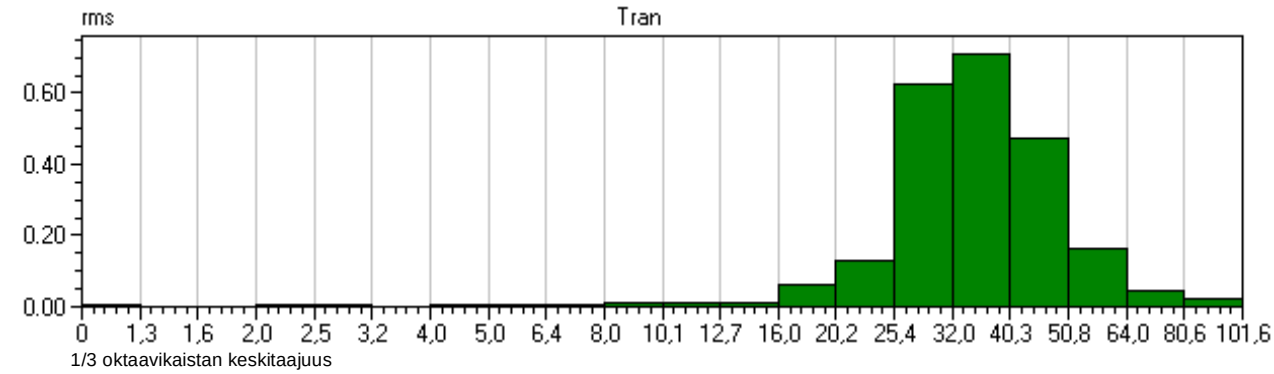
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:05:58** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 18:11:21 | *File Name:* | K808GD6N.UX0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.97 | 1.92 | 4.98 | 5.79 | mm/s |
| *Freq* | 34 | 37 | 85 | | Hz |
| *Time of Peak* | 3.450 | 3.447 | 3.413 | 3.413 | Sec |
| *Peak Acceleration* | 0.0961 | 0.0547 | 0.313 | | g |
| *Peak Displacement* | 0.0170 | 0.00833 | 0.0128 | | mm |
| *RMS (1s fw 5.6)* | **1,53** | **0,74** | **0,53** | **1,74** | mm/s |
| *RMS (1s)* | **1,55** | **0,75** | **0,55** | **1,77** | mm/s |



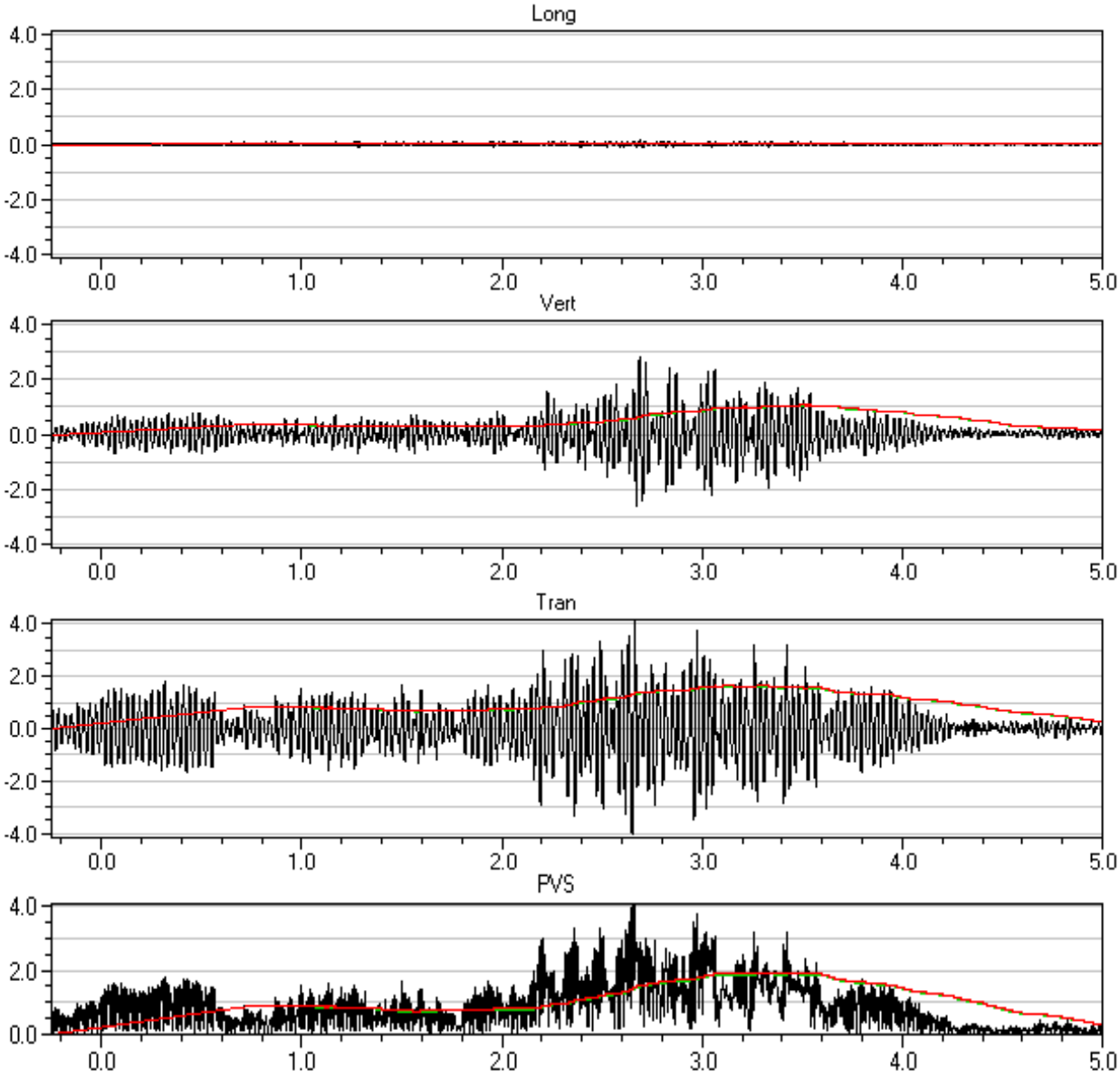



**BlastView RMS report. Generated: 19.5.2016 11:06:07** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:19:50 | *File Name:* | K808GD7A.H20 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

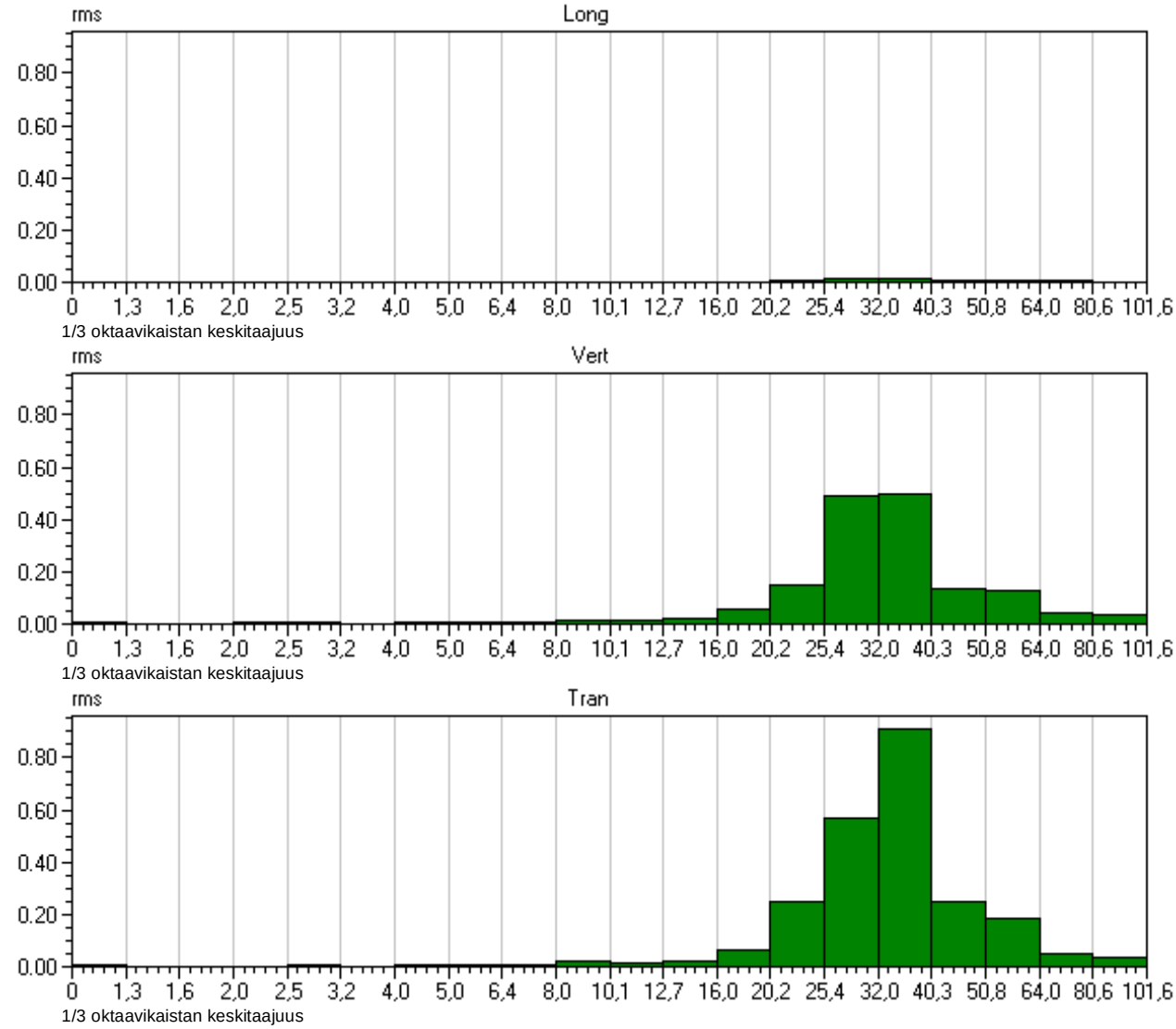
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.16 | 2.86 | 0.175 | 4.16 | mm/s |
| *Freq* | 37 | 30 | 39 | | Hz |
| *Time of Peak* | 2.664 | 2.687 | 2.686 | 2.664 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0646 | 0.0133 | | g |
| *Peak Displacement* | 0.0204 | 0.0133 | 0.00056 | | mm |
| *RMS (1s fw 5.6)* | **1,62** | **1,05** | **0,04** | **1,90** | mm/s |
| *RMS (1s)* | **1,65** | **1,07** | **0,05** | **1,93** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:07** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:19:50 | *File Name:* | K808GD7A.H20 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

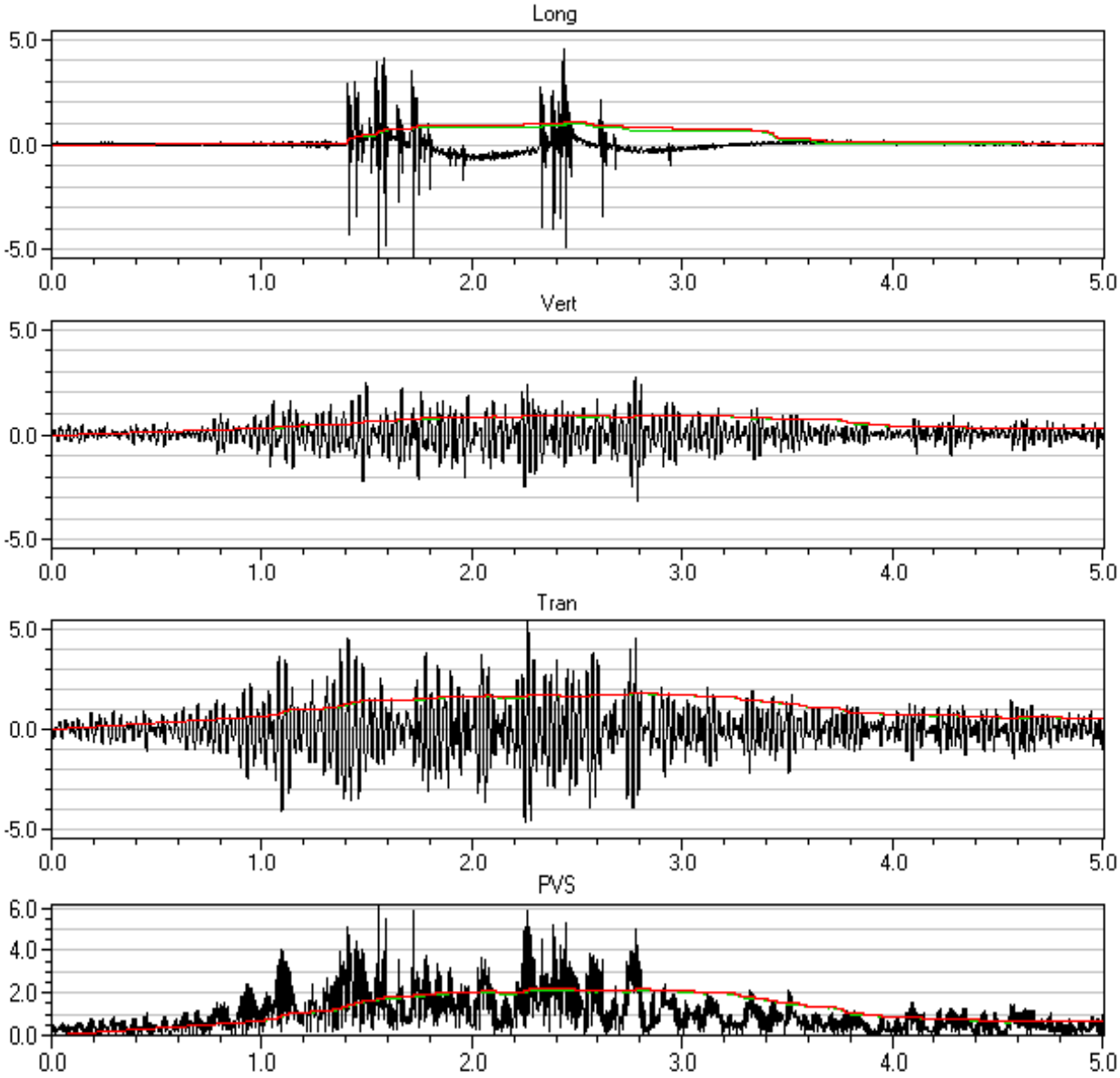
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 4.16 | 2.86 | 0.175 | 4.16 | mm/s |
| *Freq* | 37 | 30 | 39 | | Hz |
| *Time of Peak* | 2.664 | 2.687 | 2.686 | 2.664 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0646 | 0.0133 | | g |
| *Peak Displacement* | 0.0204 | 0.0133 | 0.00056 | | mm |
| *RMS (1s fw 5.6)* | **1,62** | **1,05** | **0,04** | **1,90** | mm/s |
| *RMS (1s)* | **1,65** | **1,07** | **0,05** | **1,93** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:09** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:20:07 | *File Name:* | K808GD7A.HJ0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

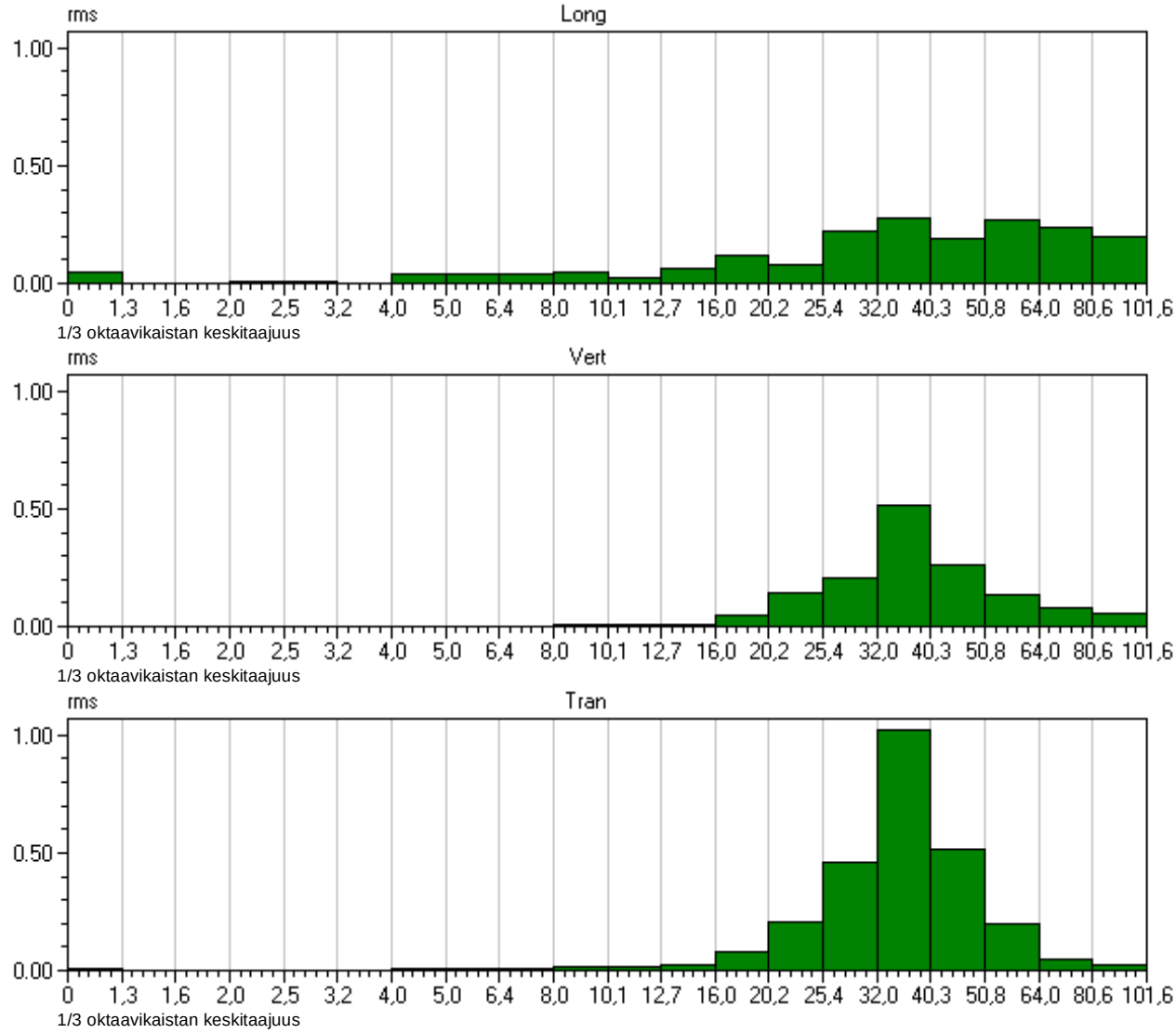
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.43 | 3.21 | 5.38 | 5.91 | mm/s |
| *Freq* | 34 | 39 | >100 | | Hz |
| *Time of Peak* | 2.257 | 2.778 | 1.713 | 2.256 | Sec |
| *Peak Acceleration* | 0.119 | 0.0878 | 0.520 | | g |
| *Peak Displacement* | 0.0245 | 0.0131 | 0.0879 | | mm |
| *RMS (1s fw 5.6)* | **1,79** | **0,93** | **0,98** | **2,15** | mm/s |
| *RMS (1s)* | **1,82** | **0,94** | **1,09** | **2,22** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:09** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 02:20:07 | *File Name:* | K808GD7A.HJ0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

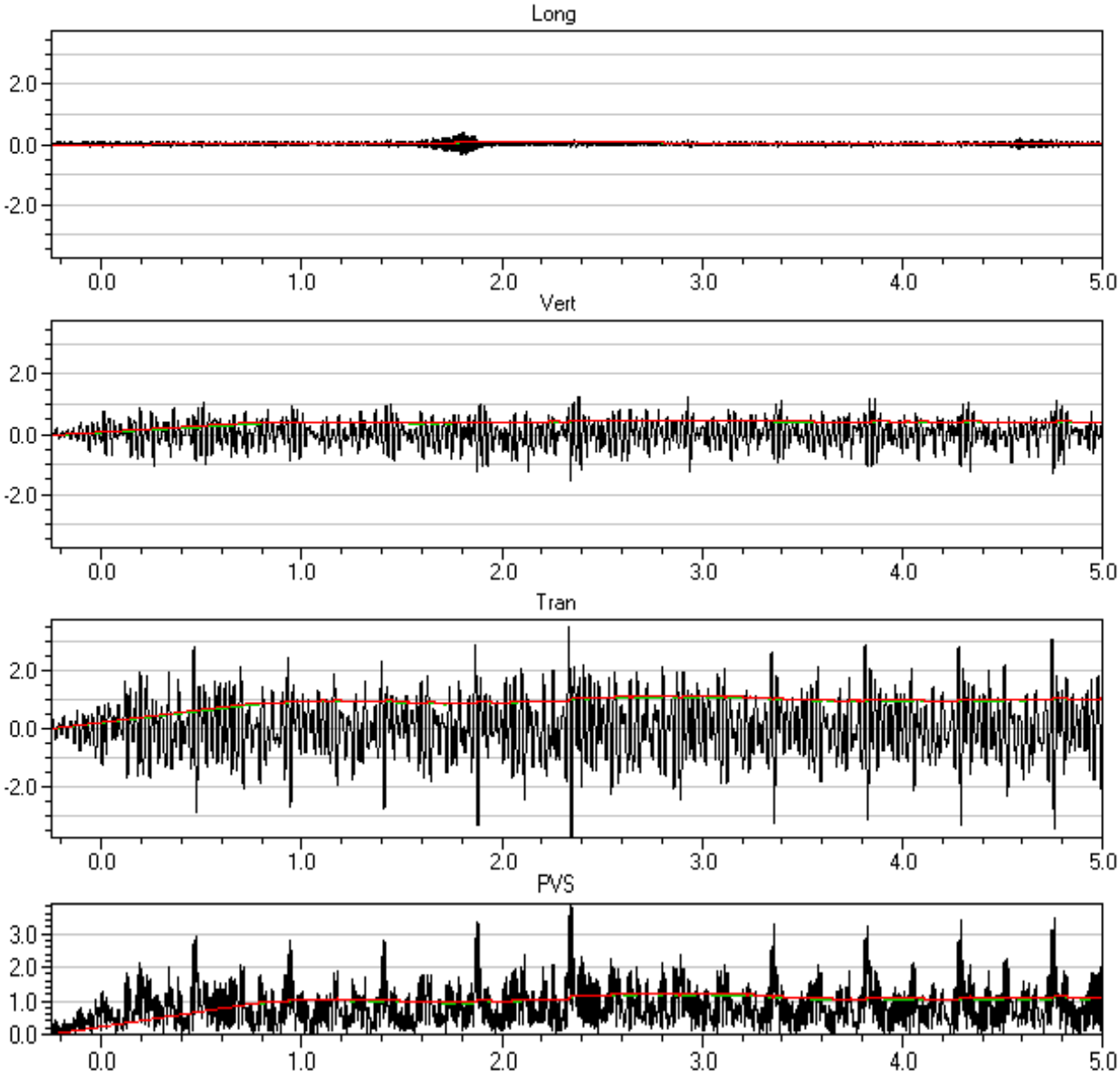
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 5.43 | 3.21 | 5.38 | 5.91 | mm/s |
| *Freq* | 34 | 39 | >100 | | Hz |
| *Time of Peak* | 2.257 | 2.778 | 1.713 | 2.256 | Sec |
| *Peak Acceleration* | 0.119 | 0.0878 | 0.520 | | g |
| *Peak Displacement* | 0.0245 | 0.0131 | 0.0879 | | mm |
| *RMS (1s fw 5.6)* | **1,79** | **0,93** | **0,98** | **2,15** | mm/s |
| *RMS (1s)* | **1,82** | **0,94** | **1,09** | **2,22** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:11** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:11:44 | *File Name:* | K808GD7Q.RK0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

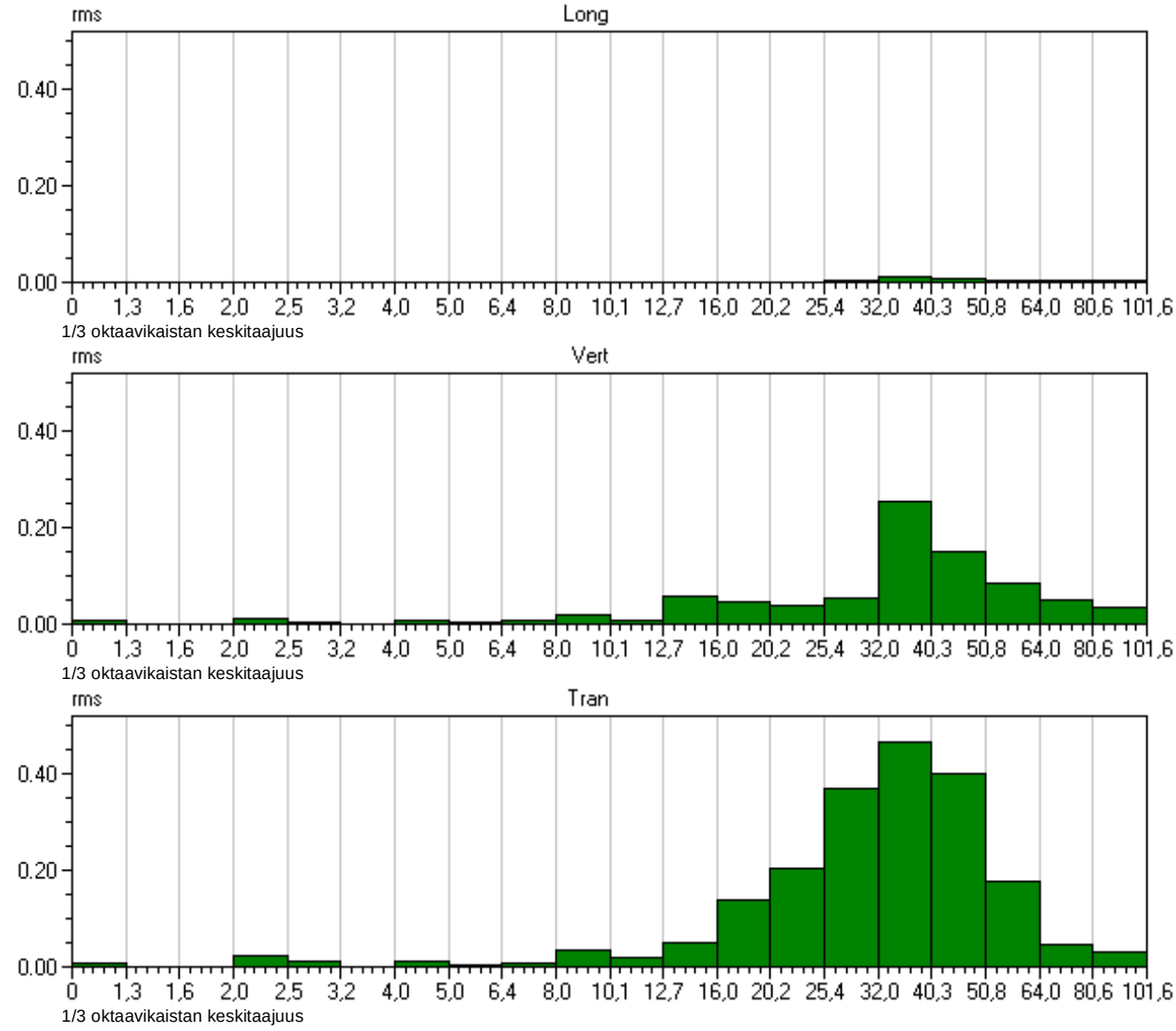
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.78 | 1.54 | 0.381 | 3.89 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 2.346 | 2.343 | 1.808 | 2.346 | Sec |
| *Peak Acceleration* | 0.0994 | 0.0431 | 0.0447 | | g |
| *Peak Displacement* | 0.0165 | 0.00554 | 0.00038 | | mm |
| *RMS (1s fw 5.6)* | **1,11** | **0,46** | **0,09** | **1,20** | mm/s |
| *RMS (1s)* | **1,13** | **0,47** | **0,09** | **1,23** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:11** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 08:11:44 | *File Name:* | K808GD7Q.RK0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

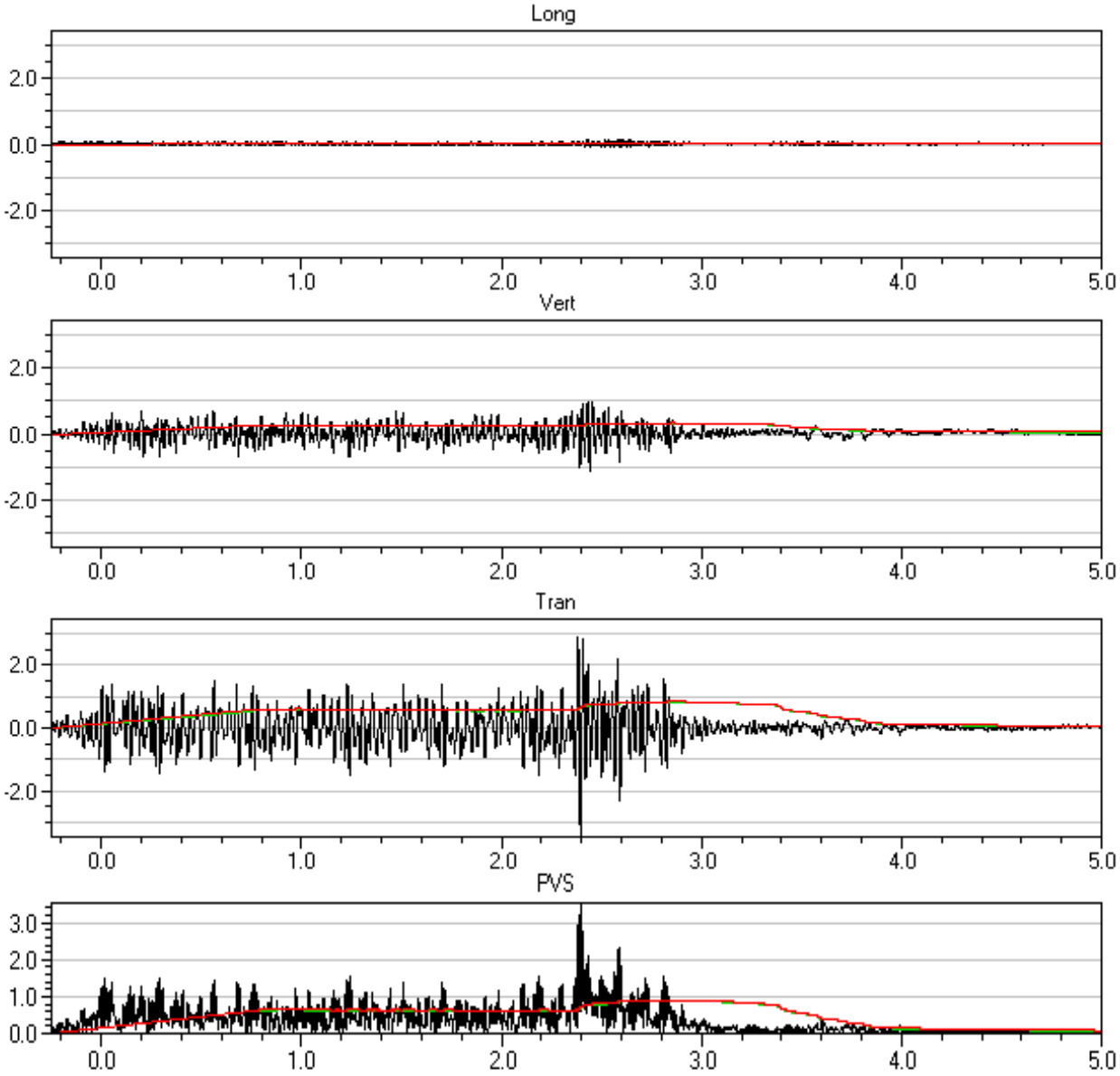
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.78 | 1.54 | 0.381 | 3.89 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 2.346 | 2.343 | 1.808 | 2.346 | Sec |
| *Peak Acceleration* | 0.0994 | 0.0431 | 0.0447 | | g |
| *Peak Displacement* | 0.0165 | 0.00554 | 0.00038 | | mm |
| *RMS (1s fw 5.6)* | **1,11** | **0,46** | **0,09** | **1,20** | mm/s |
| *RMS (1s)* | **1,13** | **0,47** | **0,09** | **1,23** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:12** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 09:19:27 | *File Name:* | K808GD7T.WF0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

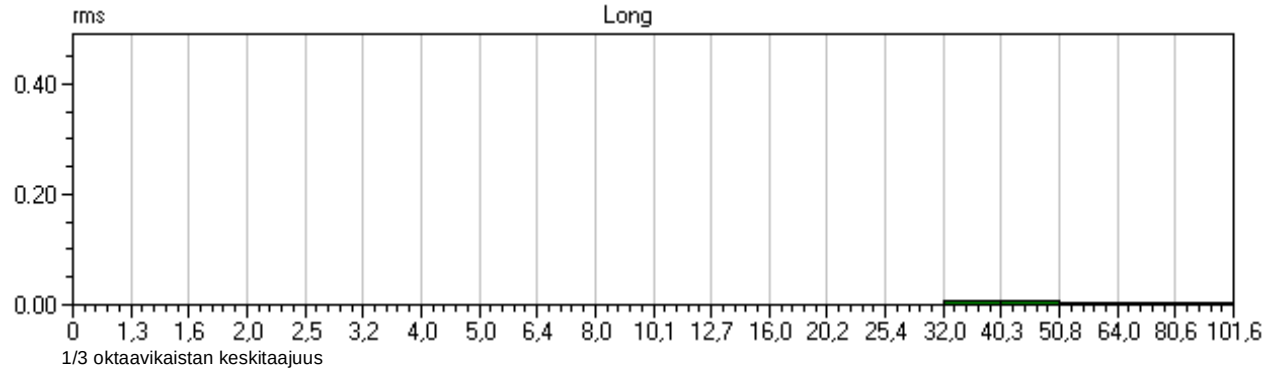
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.46 | 1.13 | 0.159 | 3.55 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 2.394 | 2.440 | 2.432 | 2.394 | Sec |
| *Peak Acceleration* | 0.0829 | 0.0348 | 0.0166 | | g |
| *Peak Displacement* | 0.0149 | 0.00829 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,32** | **0,03** | **0,89** | mm/s |
| *RMS (1s)* | **0,84** | **0,33** | **0,04** | **0,90** | mm/s |

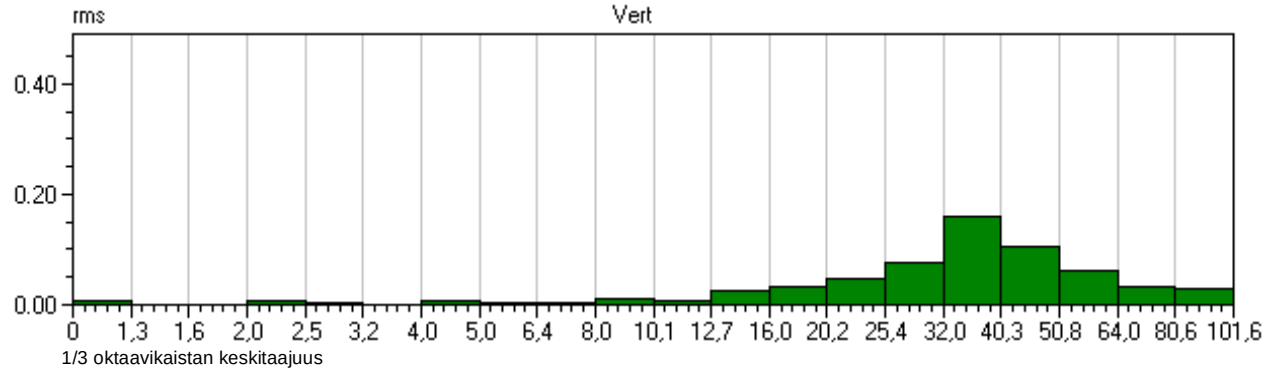


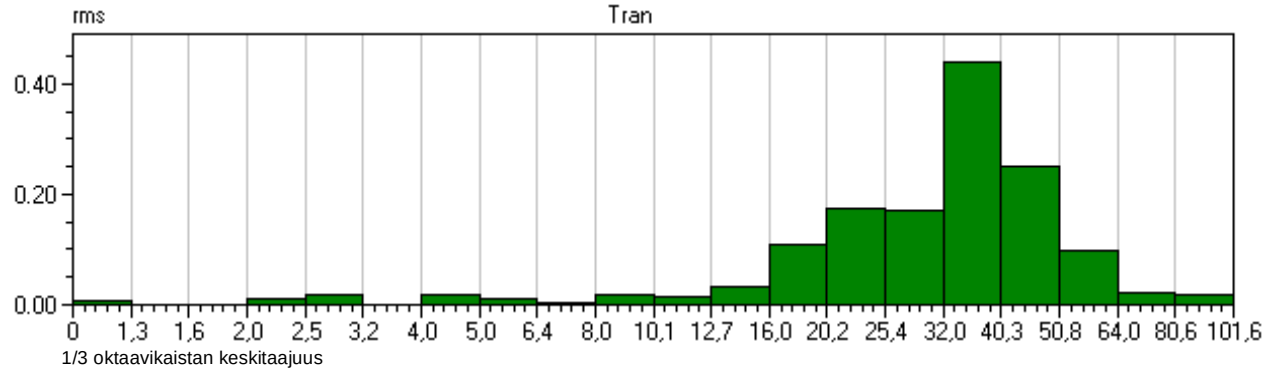
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:13** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 09:19:27 | *File Name:* | K808GD7T.WF0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.46 | 1.13 | 0.159 | 3.55 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 2.394 | 2.440 | 2.432 | 2.394 | Sec |
| *Peak Acceleration* | 0.0829 | 0.0348 | 0.0166 | | g |
| *Peak Displacement* | 0.0149 | 0.00829 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,32** | **0,03** | **0,89** | mm/s |
| *RMS (1s)* | **0,84** | **0,33** | **0,04** | **0,90** | mm/s |



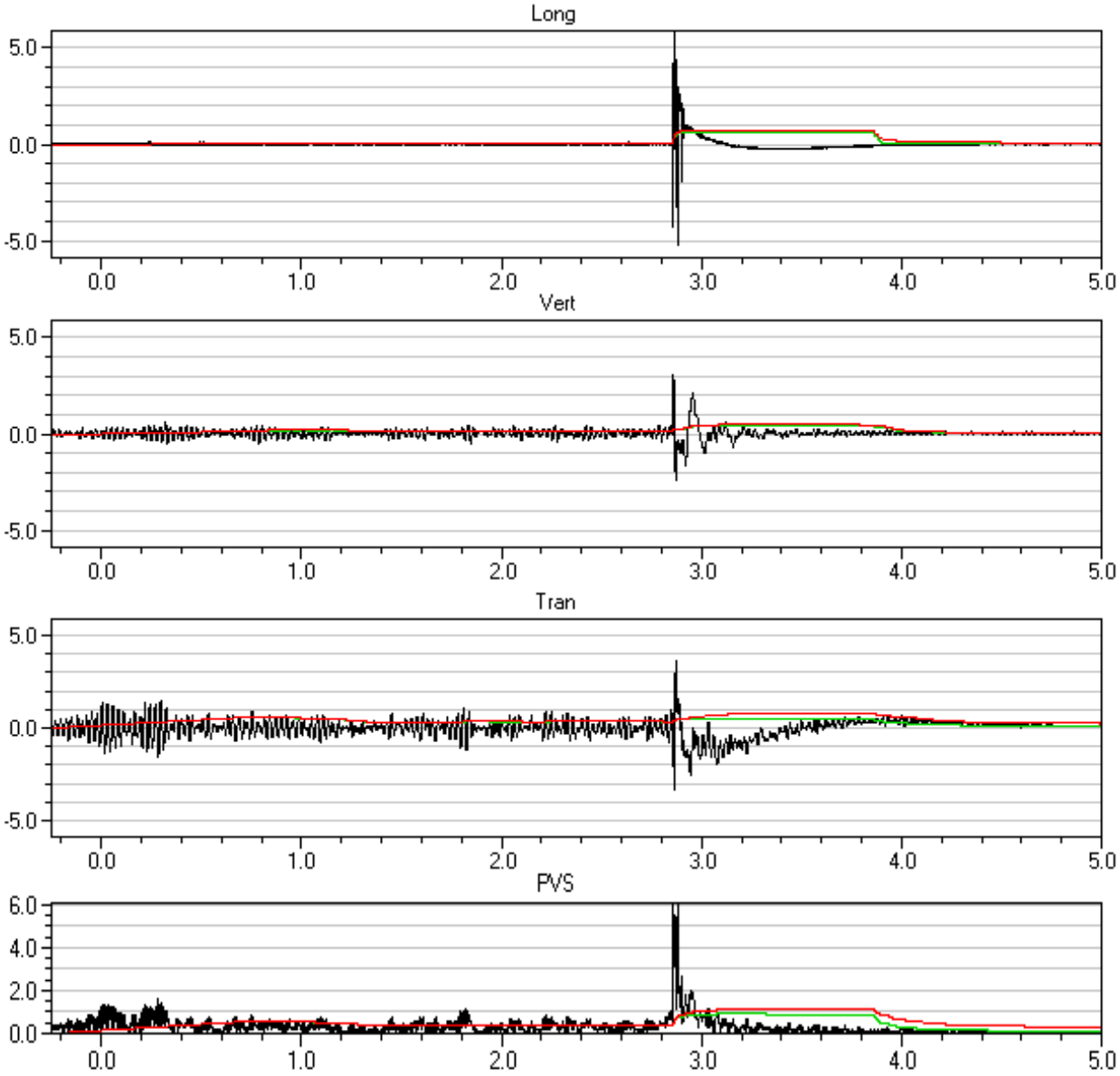



**BlastView RMS report. Generated: 19.5.2016 11:06:14** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 09:36:43 | *File Name:* | K808GD7U.P70 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

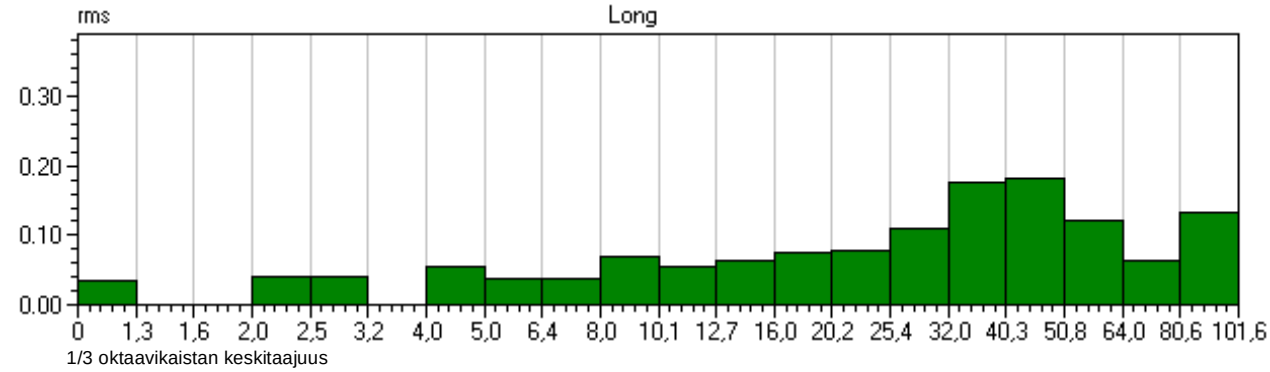
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.59 | 3.08 | 5.86 | 6.15 | mm/s |
| *Freq* | 17 | 64 | 32 | | Hz |
| *Time of Peak* | 2.869 | 2.859 | 2.861 | 2.869 | Sec |
| *Peak Acceleration* | 0.424 | 0.315 | 0.834 | | g |
| *Peak Displacement* | 0.114 | 0.0328 | 0.0626 | | mm |
| *RMS (1s fw 5.6)* | **0,55** | **0,42** | **0,61** | **0,91** | mm/s |
| *RMS (1s)* | **0,79** | **0,48** | **0,73** | **1,18** | mm/s |

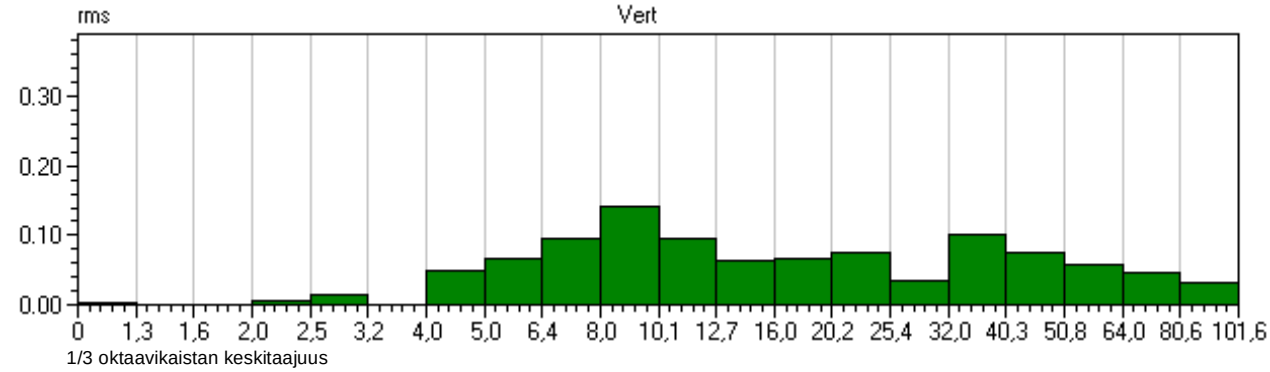


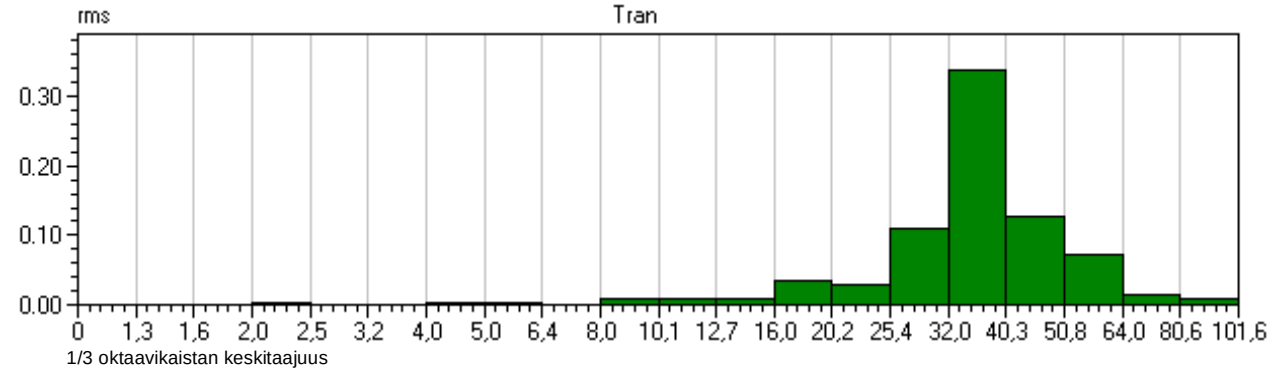
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:14** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 09:36:43 | *File Name:* | K808GD7U.P70 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.59 | 3.08 | 5.86 | 6.15 | mm/s |
| *Freq* | 17 | 64 | 32 | | Hz |
| *Time of Peak* | 2.869 | 2.859 | 2.861 | 2.869 | Sec |
| *Peak Acceleration* | 0.424 | 0.315 | 0.834 | | g |
| *Peak Displacement* | 0.114 | 0.0328 | 0.0626 | | mm |
| *RMS (1s fw 5.6)* | **0,55** | **0,42** | **0,61** | **0,91** | mm/s |
| *RMS (1s)* | **0,79** | **0,48** | **0,73** | **1,18** | mm/s |



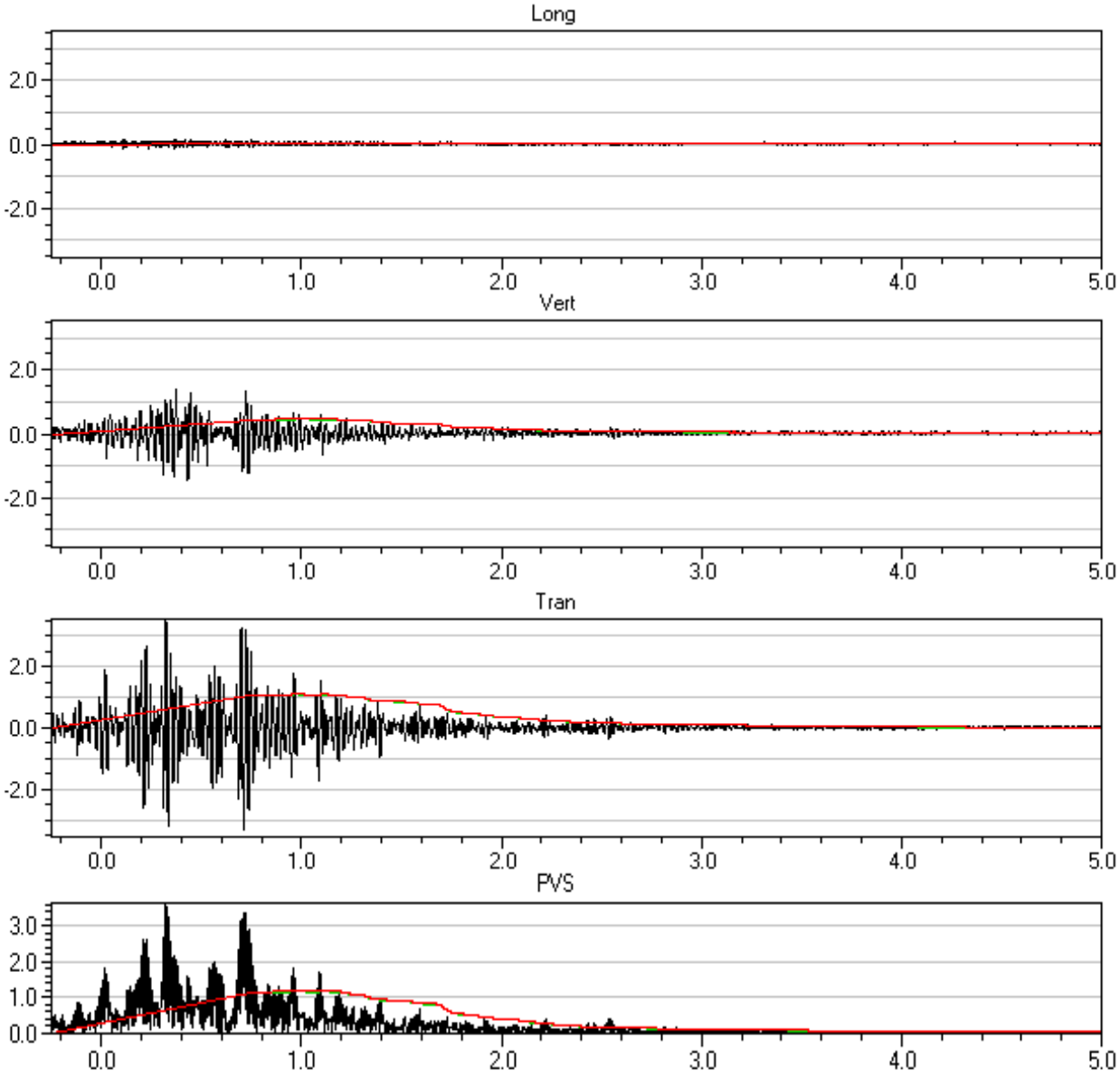



**BlastView RMS report. Generated: 19.5.2016 11:06:04** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:30 | *File Name:* | K808GD7X.8I0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

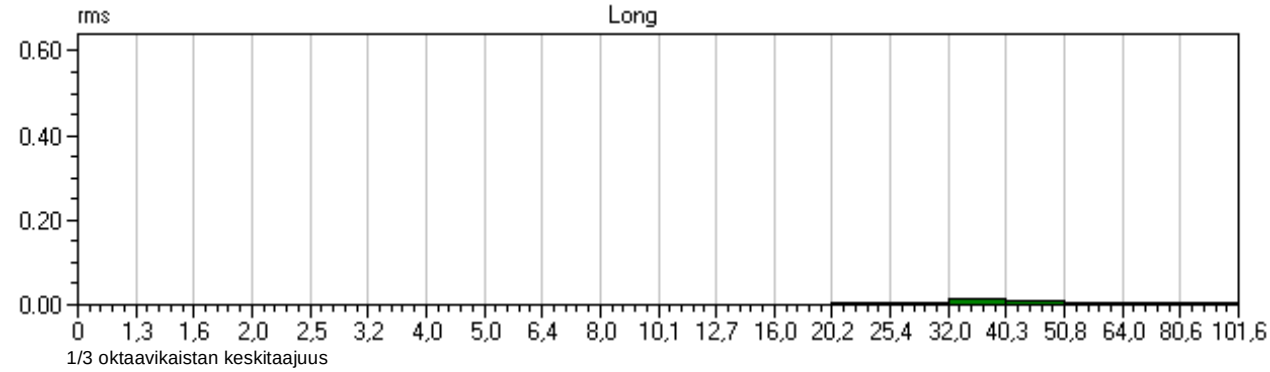
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.54 | 1.43 | 0.143 | 3.69 | mm/s |
| *Freq* | 43 | 39 | >100 | | Hz |
| *Time of Peak* | 0.321 | 0.431 | 0.107 | 0.321 | Sec |
| *Peak Acceleration* | 0.101 | 0.0381 | 0.0182 | | g |
| *Peak Displacement* | 0.0135 | 0.00651 | 0.00067 | | mm |
| *RMS (1s fw 5.6)* | **1,09** | **0,46** | **0,04** | **1,18** | mm/s |
| *RMS (1s)* | **1,10** | **0,46** | **0,05** | **1,20** | mm/s |

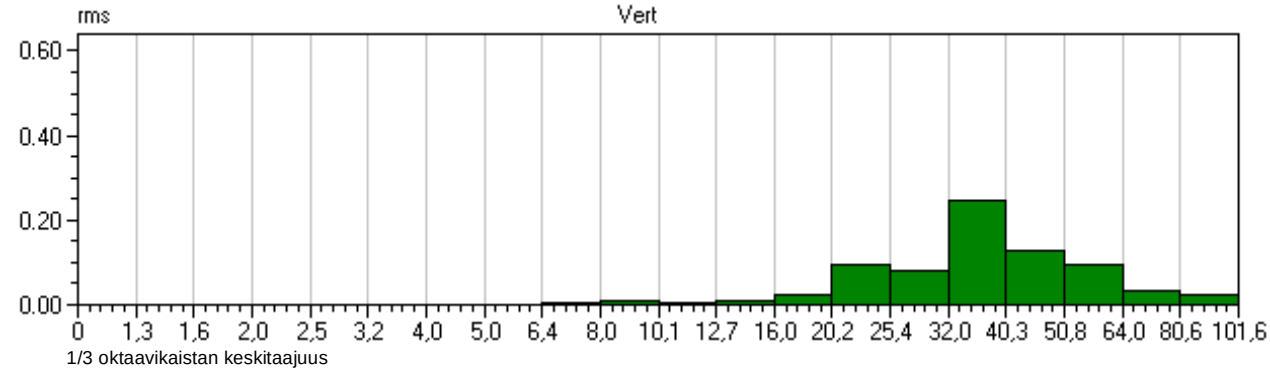


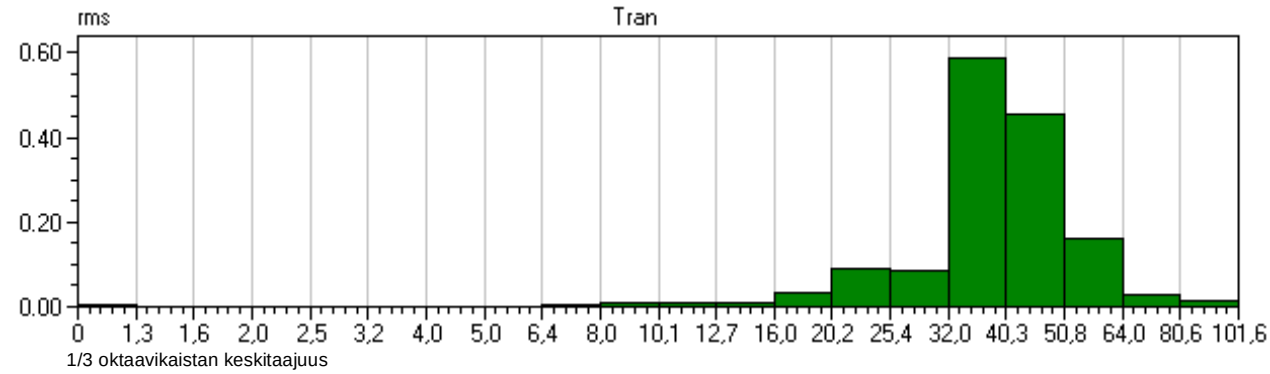
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:04** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 10:31:30 | *File Name:* | K808GD7X.8I0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.54 | 1.43 | 0.143 | 3.69 | mm/s |
| *Freq* | 43 | 39 | >100 | | Hz |
| *Time of Peak* | 0.321 | 0.431 | 0.107 | 0.321 | Sec |
| *Peak Acceleration* | 0.101 | 0.0381 | 0.0182 | | g |
| *Peak Displacement* | 0.0135 | 0.00651 | 0.00067 | | mm |
| *RMS (1s fw 5.6)* | **1,09** | **0,46** | **0,04** | **1,18** | mm/s |
| *RMS (1s)* | **1,10** | **0,46** | **0,05** | **1,20** | mm/s |



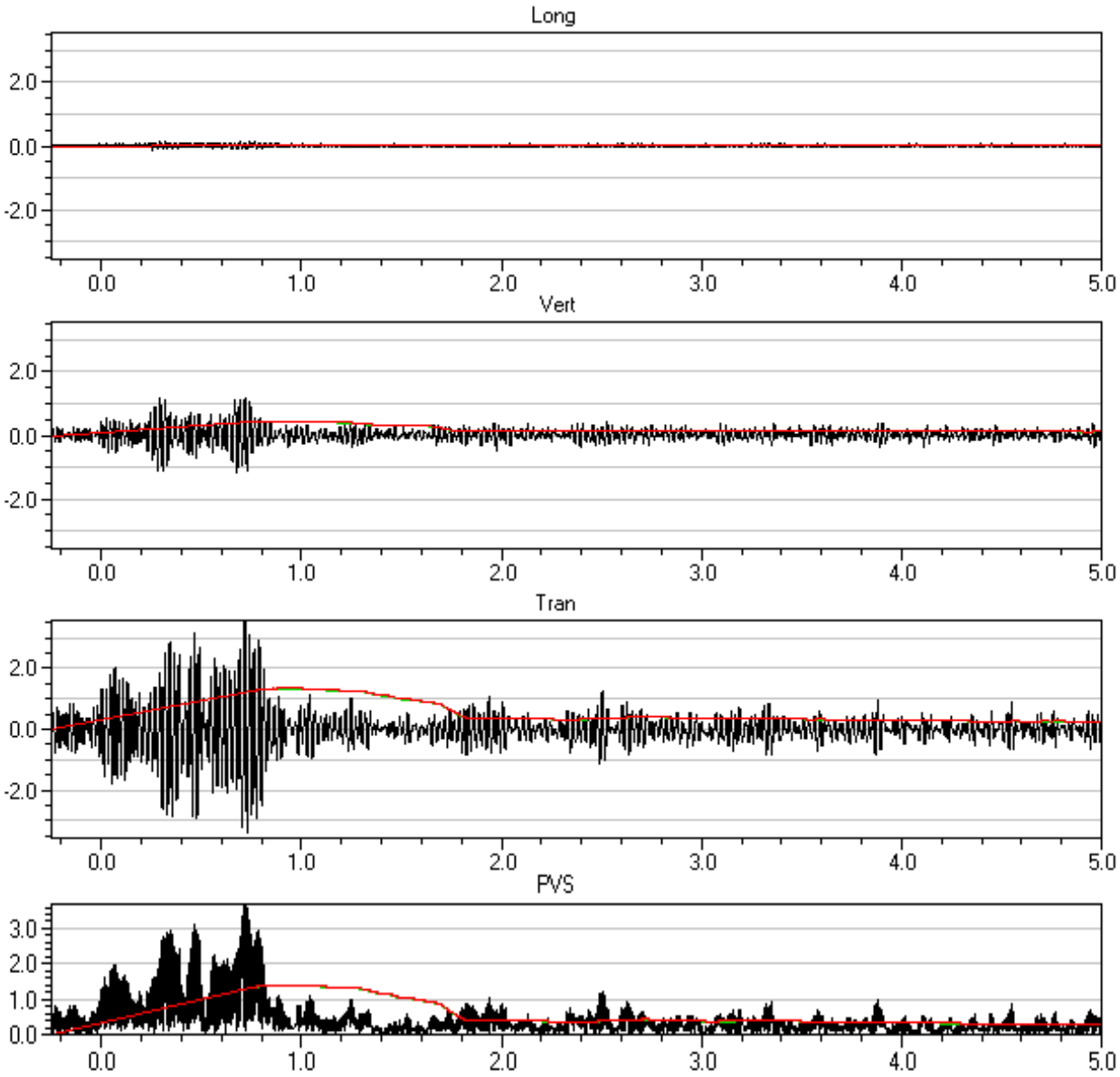



**BlastView RMS report. Generated: 19.5.2016 11:06:05** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 14:37:40 | *File Name:* | K808GD88.MS0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

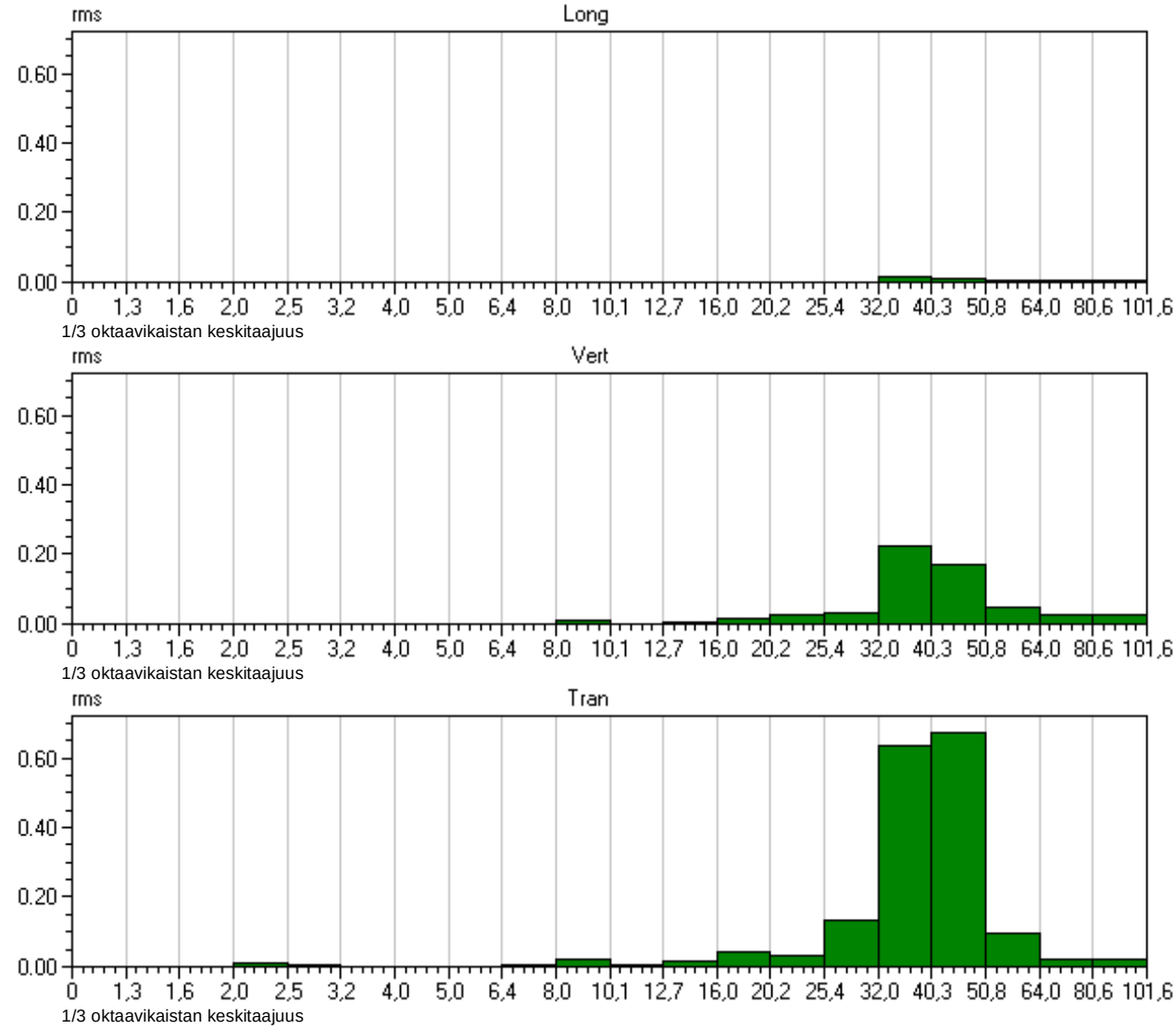
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.57 | 1.19 | 0.143 | 3.76 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 0.716 | 0.678 | 0.765 | 0.716 | Sec |
| *Peak Acceleration* | 0.0945 | 0.0365 | 0.0116 | | g |
| *Peak Displacement* | 0.0145 | 0.00506 | 0.00043 | | mm |
| *RMS (1s fw 5.6)* | **1,33** | **0,41** | **0,04** | **1,39** | mm/s |
| *RMS (1s)* | **1,34** | **0,42** | **0,04** | **1,41** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:05** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 14:37:40 | *File Name:* | K808GD88.MS0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

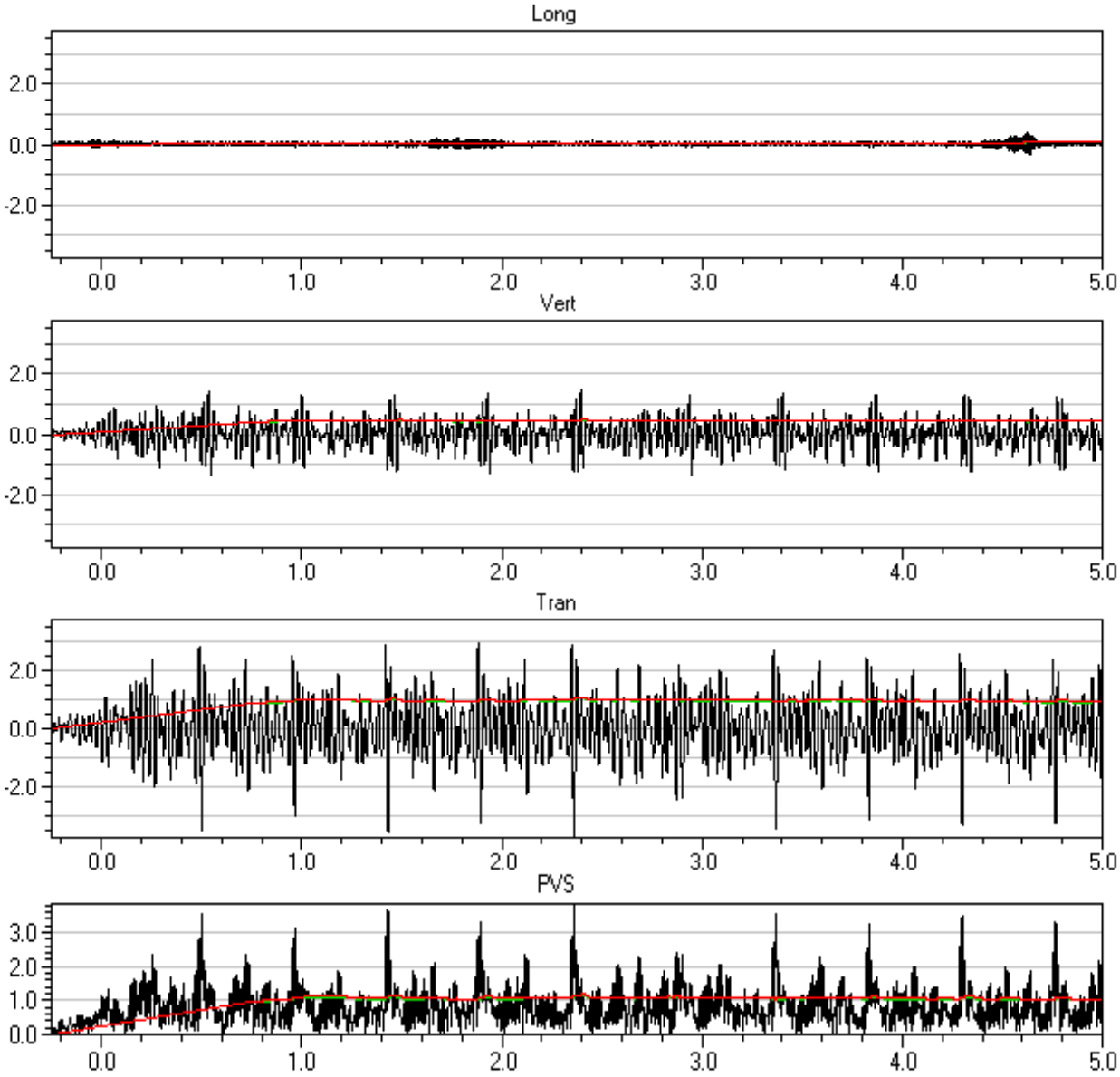
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.57 | 1.19 | 0.143 | 3.76 | mm/s |
| *Freq* | 37 | 47 | >100 | | Hz |
| *Time of Peak* | 0.716 | 0.678 | 0.765 | 0.716 | Sec |
| *Peak Acceleration* | 0.0945 | 0.0365 | 0.0116 | | g |
| *Peak Displacement* | 0.0145 | 0.00506 | 0.00043 | | mm |
| *RMS (1s fw 5.6)* | **1,33** | **0,41** | **0,04** | **1,39** | mm/s |
| *RMS (1s)* | **1,34** | **0,42** | **0,04** | **1,41** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:18** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:34 | *File Name:* | K808GD9I.NA0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

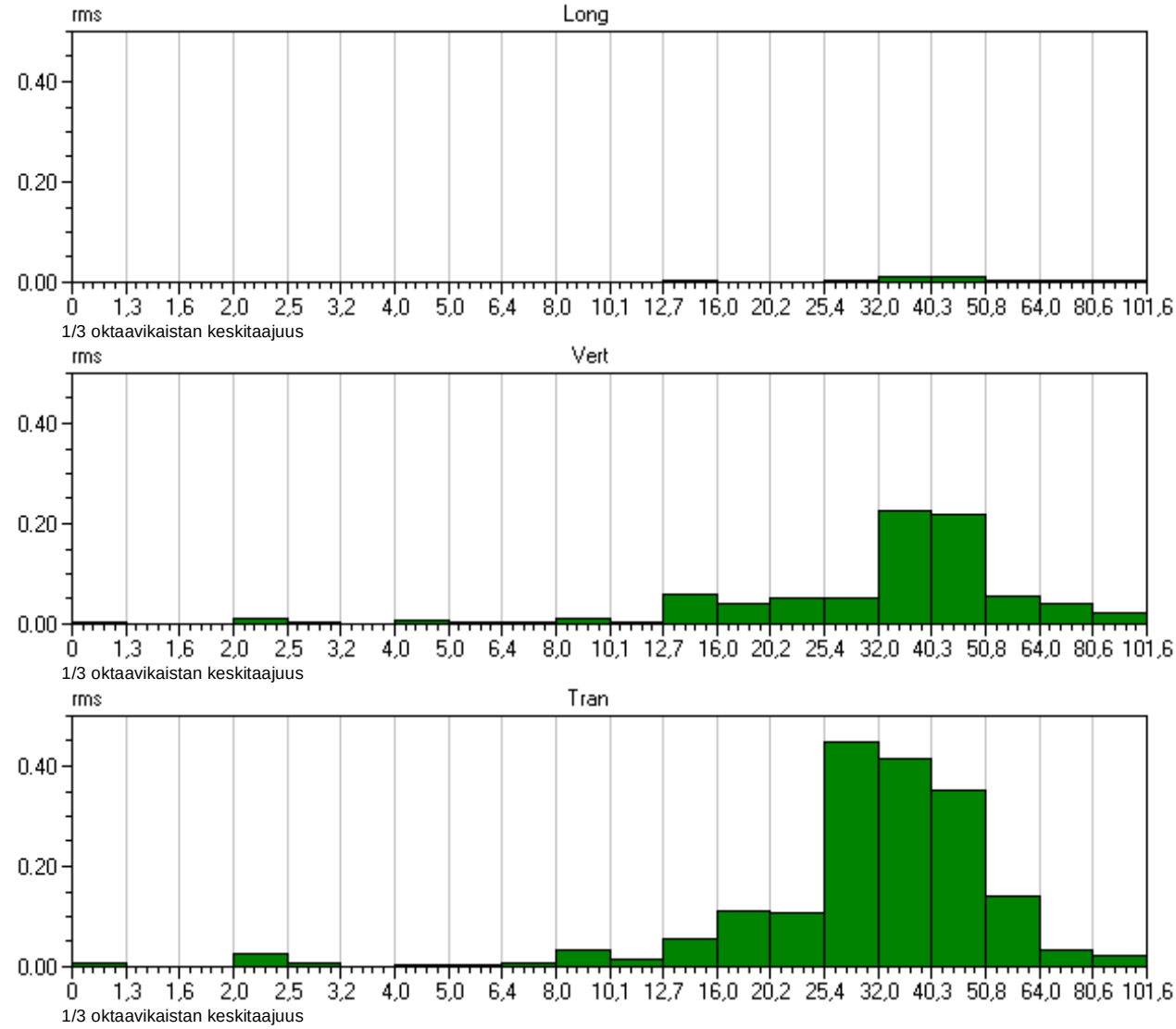
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.76 | 1.49 | 0.365 | 3.85 | mm/s |
| *Freq* | 37 | 34 | >100 | | Hz |
| *Time of Peak* | 2.359 | 2.394 | 4.621 | 2.359 | Sec |
| *Peak Acceleration* | 0.0878 | 0.0414 | 0.0431 | | g |
| *Peak Displacement* | 0.0159 | 0.00683 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **1,05** | **0,48** | **0,07** | **1,15** | mm/s |
| *RMS (1s)* | **1,07** | **0,49** | **0,08** | **1,17** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:18** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:34 | *File Name:* | K808GD9I.NA0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

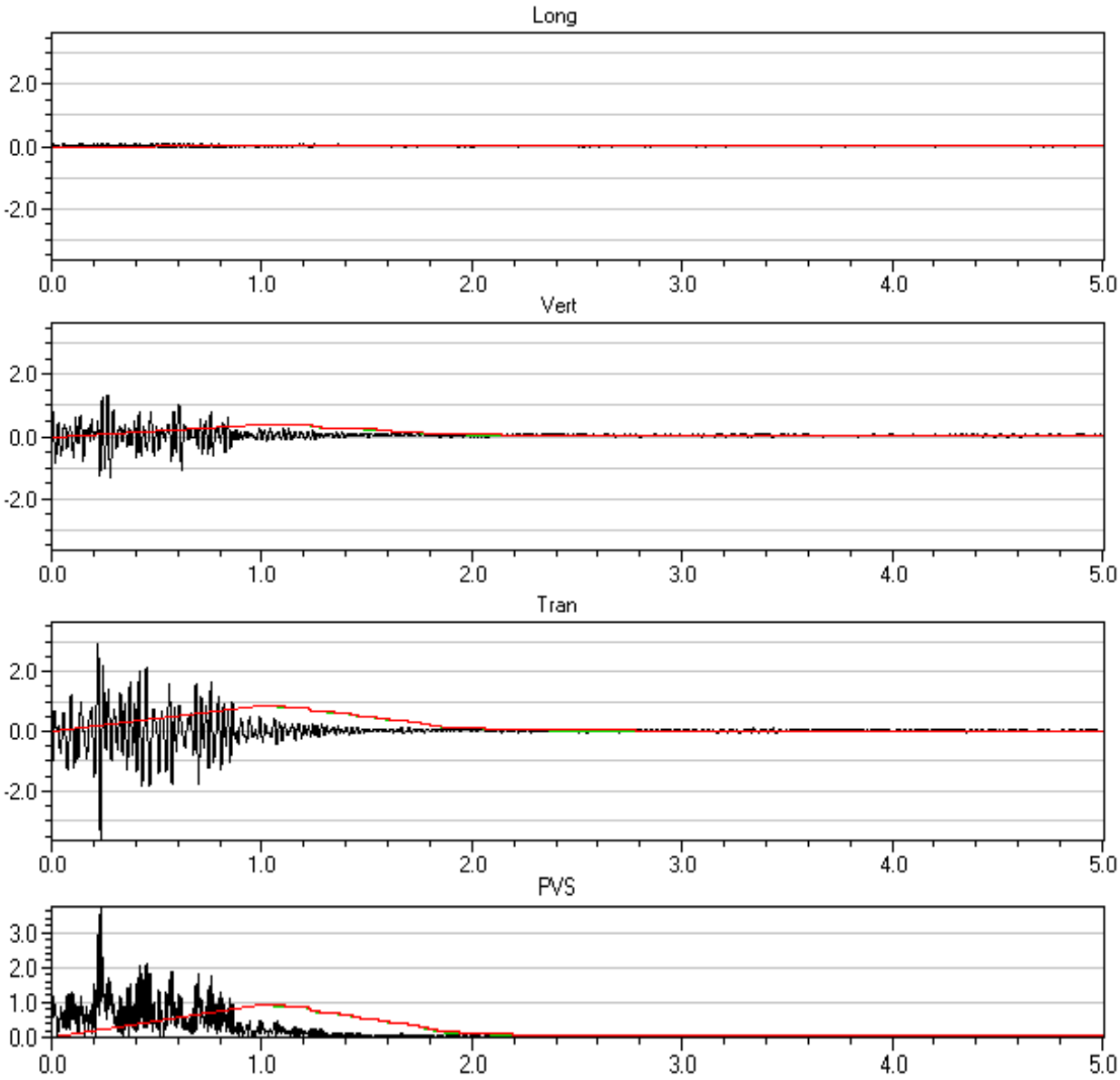
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.76 | 1.49 | 0.365 | 3.85 | mm/s |
| *Freq* | 37 | 34 | >100 | | Hz |
| *Time of Peak* | 2.359 | 2.394 | 4.621 | 2.359 | Sec |
| *Peak Acceleration* | 0.0878 | 0.0414 | 0.0431 | | g |
| *Peak Displacement* | 0.0159 | 0.00683 | 0.00040 | | mm |
| *RMS (1s fw 5.6)* | **1,05** | **0,48** | **0,07** | **1,15** | mm/s |
| *RMS (1s)* | **1,07** | **0,49** | **0,08** | **1,17** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 11:06:19** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:39 | *File Name:* | K808GD9I.NF0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

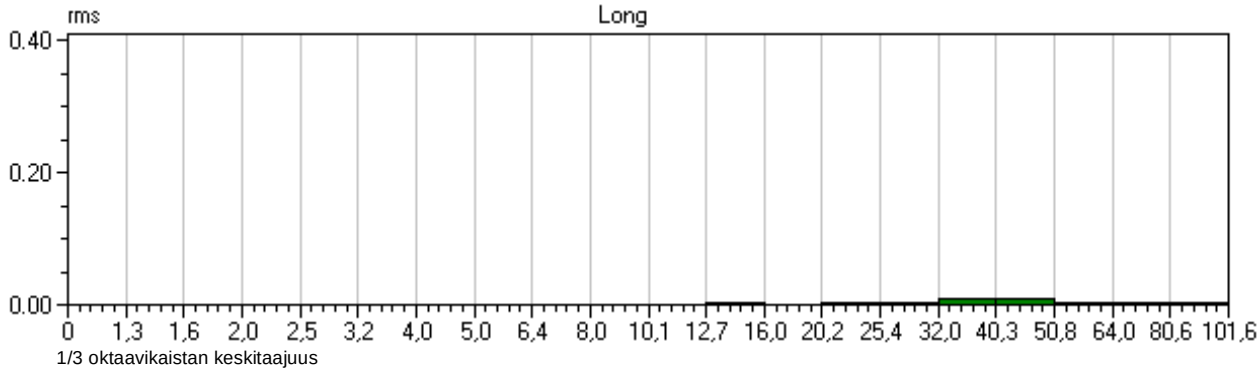
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.65 | 1.33 | 0.111 | 3.75 | mm/s |
| *Freq* | 37 | 34 | 37 | | Hz |
| *Time of Peak* | 0.223 | 0.258 | 0.234 | 0.223 | Sec |
| *Peak Acceleration* | 0.0862 | 0.0414 | 0.00829 | | g |
| *Peak Displacement* | 0.0155 | 0.00598 | 0.00063 | | mm |
| *RMS (1s fw 5.6)* | **0,83** | **0,39** | **0,02** | **0,92** | mm/s |
| *RMS (1s)* | **0,85** | **0,40** | **0,03** | **0,94** | mm/s |

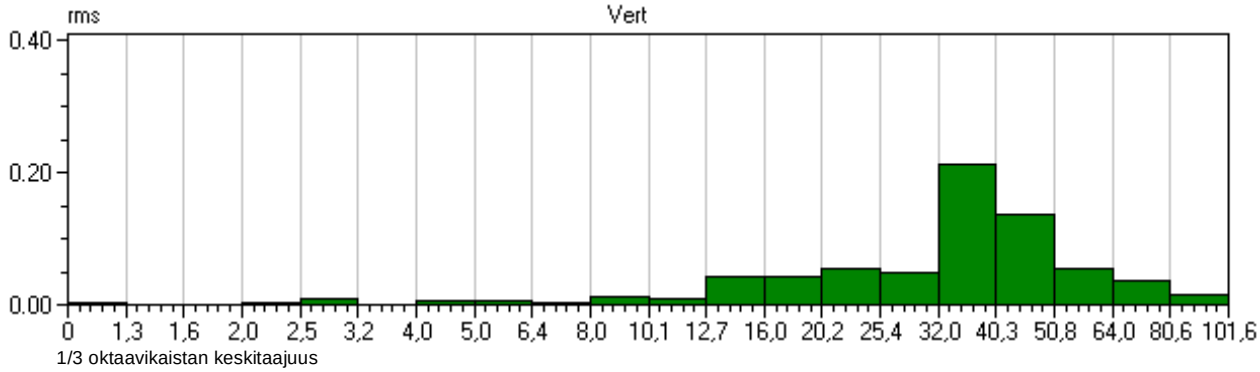


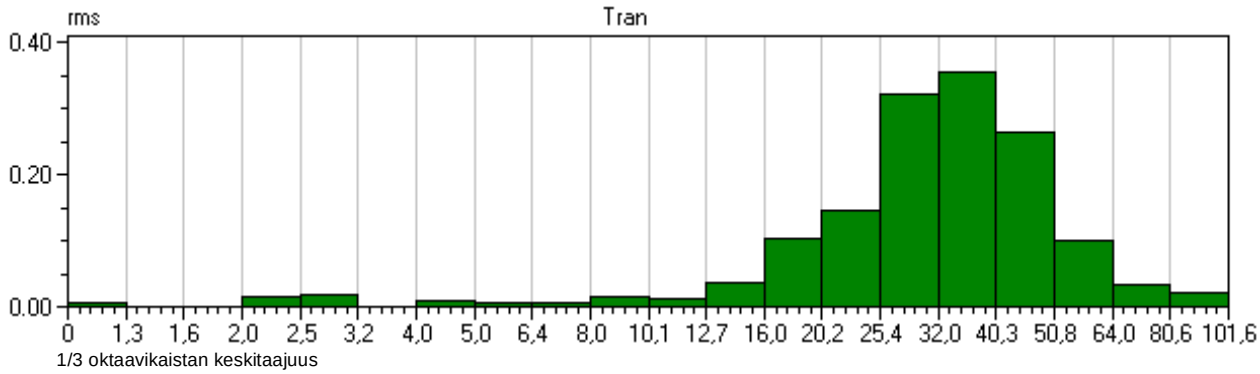
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:20** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 07:11:39 | *File Name:* | K808GD9I.NF0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.65 | 1.33 | 0.111 | 3.75 | mm/s |
| *Freq* | 37 | 34 | 37 | | Hz |
| *Time of Peak* | 0.223 | 0.258 | 0.234 | 0.223 | Sec |
| *Peak Acceleration* | 0.0862 | 0.0414 | 0.00829 | | g |
| *Peak Displacement* | 0.0155 | 0.00598 | 0.00063 | | mm |
| *RMS (1s fw 5.6)* | **0,83** | **0,39** | **0,02** | **0,92** | mm/s |
| *RMS (1s)* | **0,85** | **0,40** | **0,03** | **0,94** | mm/s |



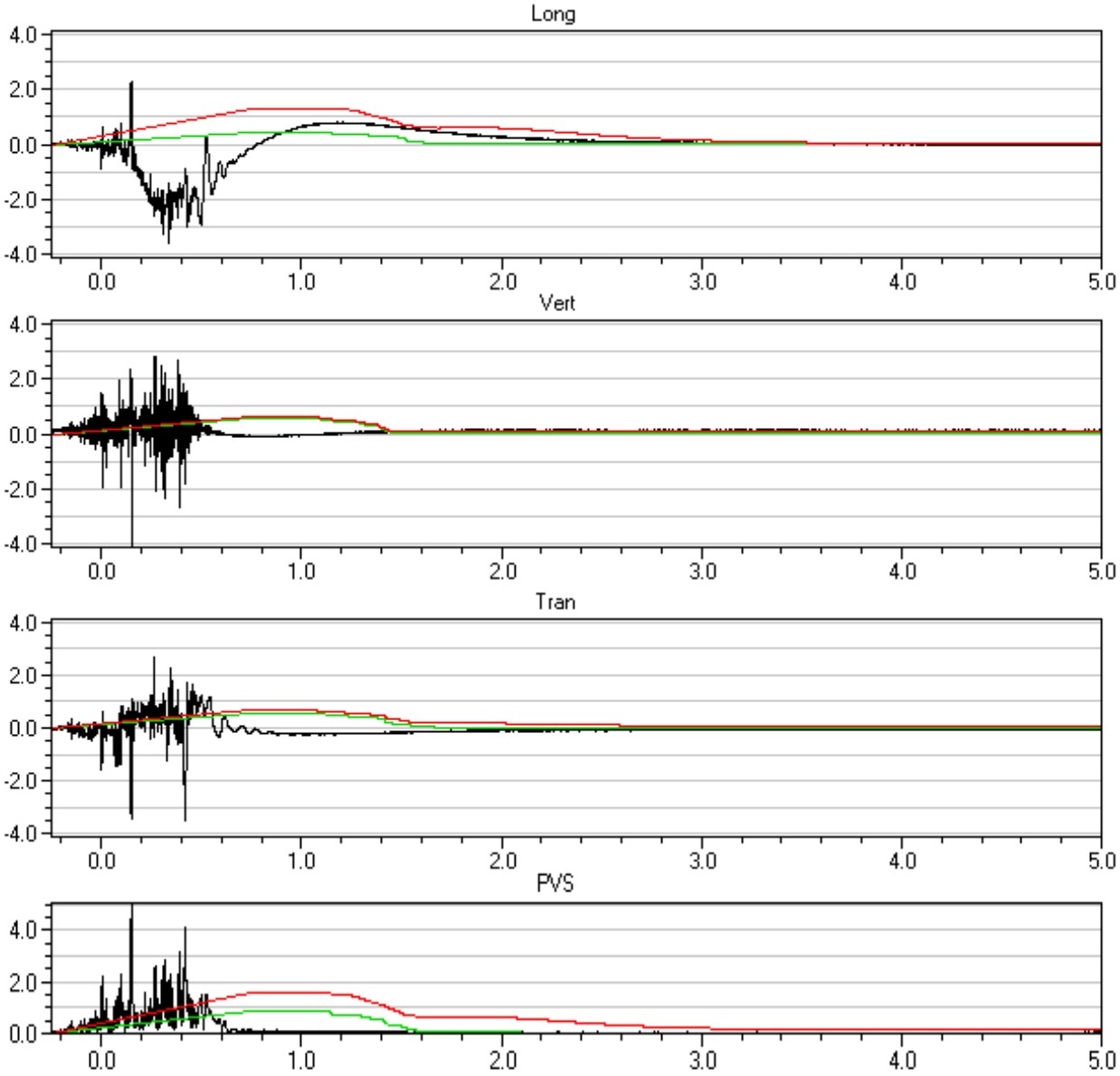



**BlastView RMS report. Generated: 19.5.2016 11:06:16** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 11:52:34 | *File Name:* | K808GD9V.NM0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

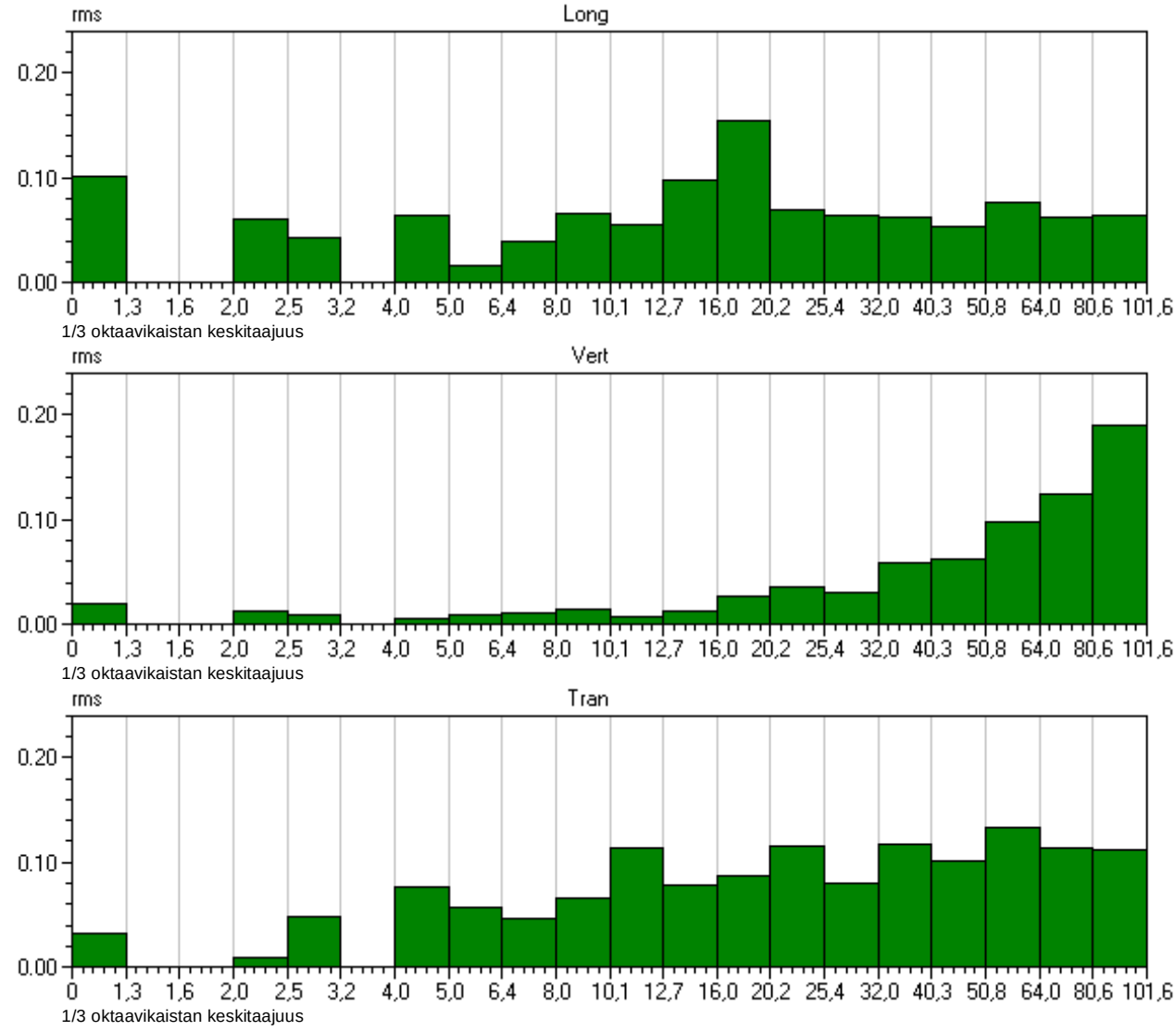
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.49 | 4.13 | 3.57 | 4.64 | mm/s |
| *Freq* | 28 | >100 | 1.4 | | Hz |
| *Time of Peak* | 0.419 | 0.151 | 0.335 | 0.151 | Sec |
| *Peak Acceleration* | 0.134 | 0.414 | 0.0911 | | g |
| *Peak Displacement* | 0.160 | 0.0142 | 0.394 | | mm |
| *RMS (1s fw 5.6)* | **0,55** | **0,57** | **0,44** | **0,91** | mm/s |
| *RMS (1s)* | **0,67** | **0,63** | **1,30** | **1,57** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 11:06:16** - **MP5**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE9808, V 10.20-8.17 MiniMate Plus |
| *Event Time:* | 11:52:34 | *File Name:* | K808GD9V.NM0 |
| *Location:* | Hollonranta, linja 3, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | February 5, 2010 by Instantel Inc. |

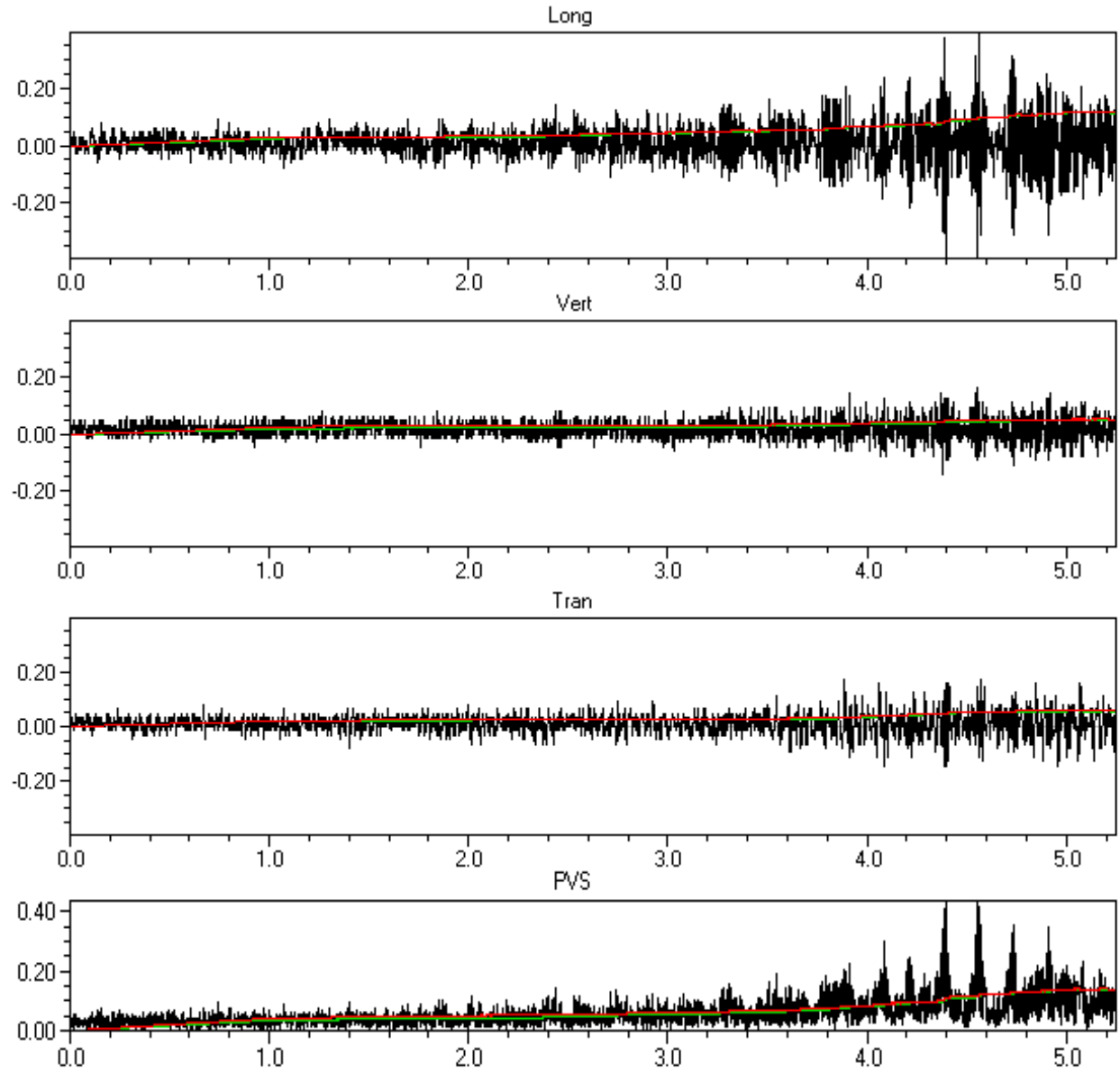
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.49 | 4.13 | 3.57 | 4.64 | mm/s |
| *Freq* | 28 | >100 | 1.4 | | Hz |
| *Time of Peak* | 0.419 | 0.151 | 0.335 | 0.151 | Sec |
| *Peak Acceleration* | 0.134 | 0.414 | 0.0911 | | g |
| *Peak Displacement* | 0.160 | 0.0142 | 0.394 | | mm |
| *RMS (1s fw 5.6)* | **0,55** | **0,57** | **0,44** | **0,91** | mm/s |
| *RMS (1s)* | **0,67** | **0,63** | **1,30** | **1,57** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:33** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:12 | *File Name:* | M630GD62.SC0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

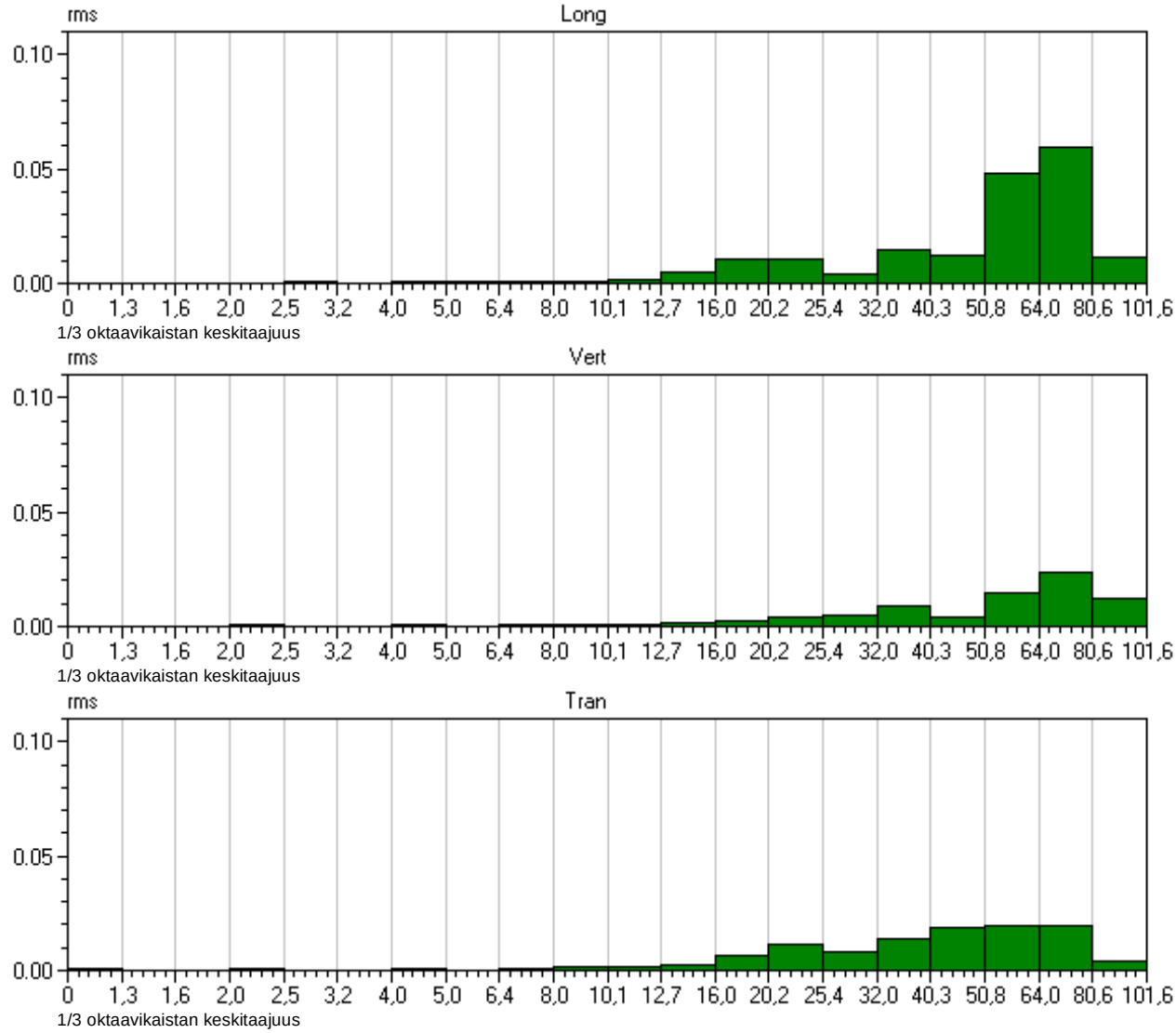
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.175 | 0.159 | 0.397 | 0.432 | mm/s |
| *Freq* | 43 | 57 | 64 | | Hz |
| *Time of Peak* | 3.636 | 4.299 | 4.144 | 4.144 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00994 | 0.0182 | | g |
| *Peak Displacement* | 0.00081 | 0.00047 | 0.00097 | | mm |
| *RMS (1s fw 5.6)* | **0,06** | **0,05** | **0,12** | **0,14** | mm/s |
| *RMS (1s)* | **0,06** | **0,05** | **0,12** | **0,14** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:34** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:12 | *File Name:* | M630GD62.SC0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

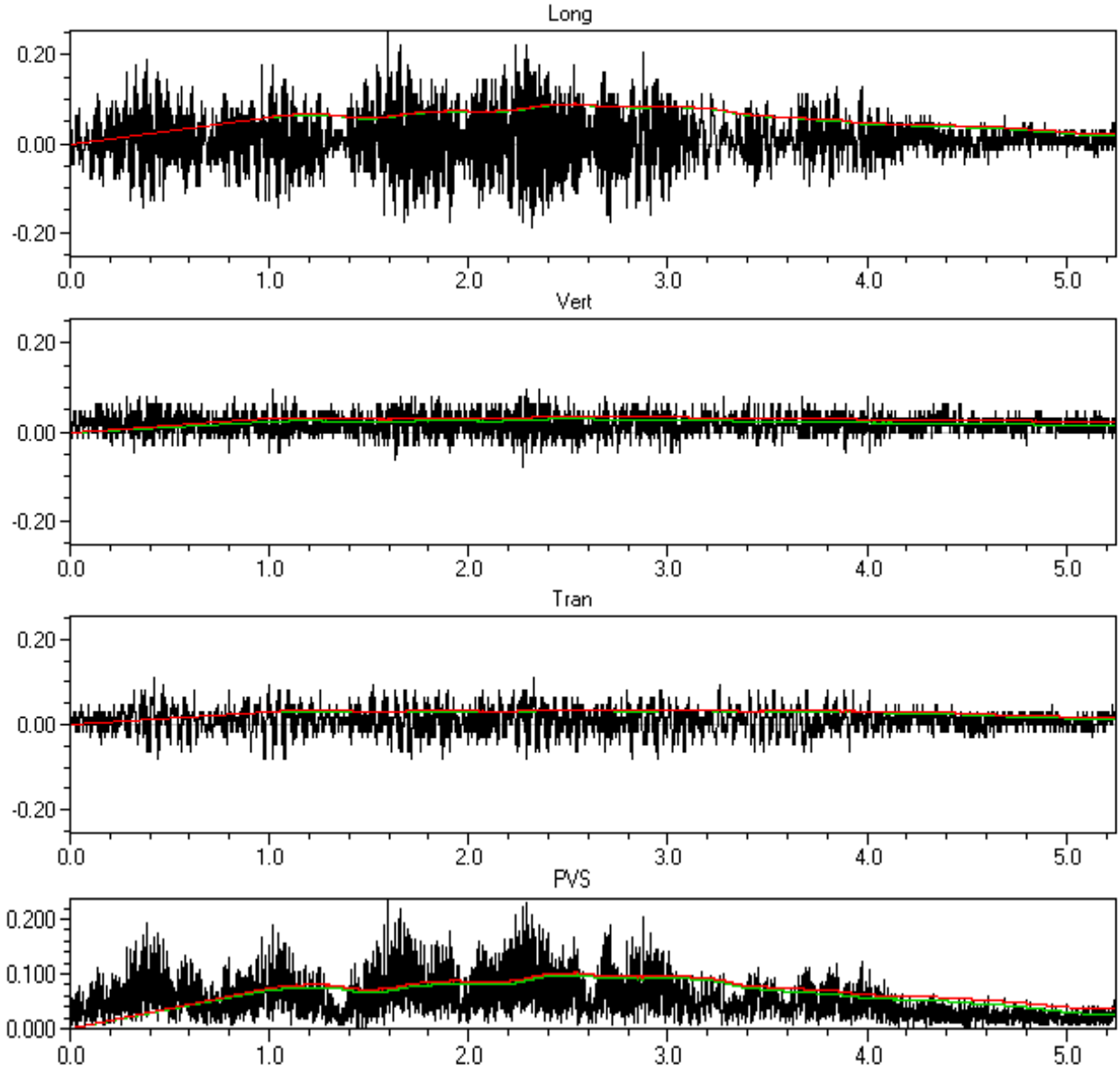
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.175 | 0.159 | 0.397 | 0.432 | mm/s |
| *Freq* | 43 | 57 | 64 | | Hz |
| *Time of Peak* | 3.636 | 4.299 | 4.144 | 4.144 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00994 | 0.0182 | | g |
| *Peak Displacement* | 0.00081 | 0.00047 | 0.00097 | | mm |
| *RMS (1s fw 5.6)* | **0,06** | **0,05** | **0,12** | **0,14** | mm/s |
| *RMS (1s)* | **0,06** | **0,05** | **0,12** | **0,14** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:35** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 11:16:34 | *File Name:* | M630GD64.NM0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

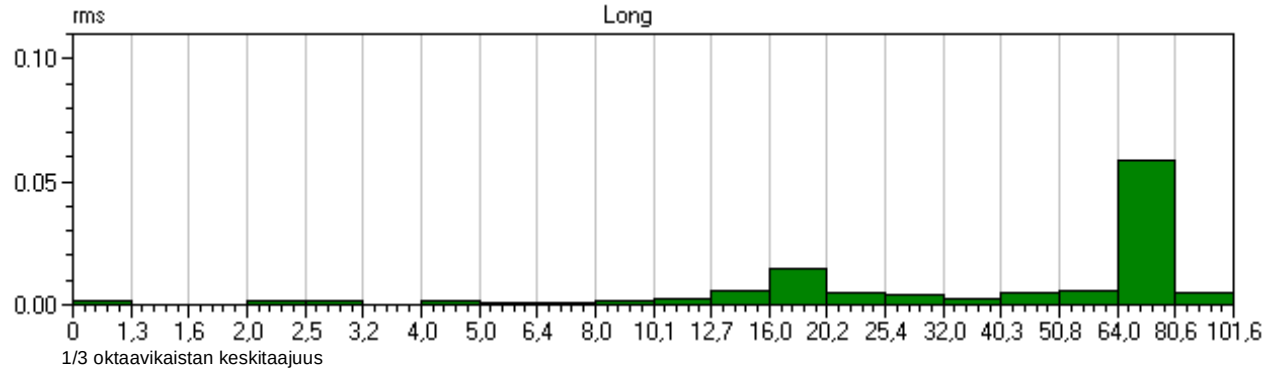
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0952 | 0.254 | 0.264 | mm/s |
| *Freq* | 24 | 57 | 47 | | Hz |
| *Time of Peak* | 0.171 | 0.769 | 1.346 | 1.346 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00065 | 0.00033 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,09** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,09** | **0,10** | mm/s |

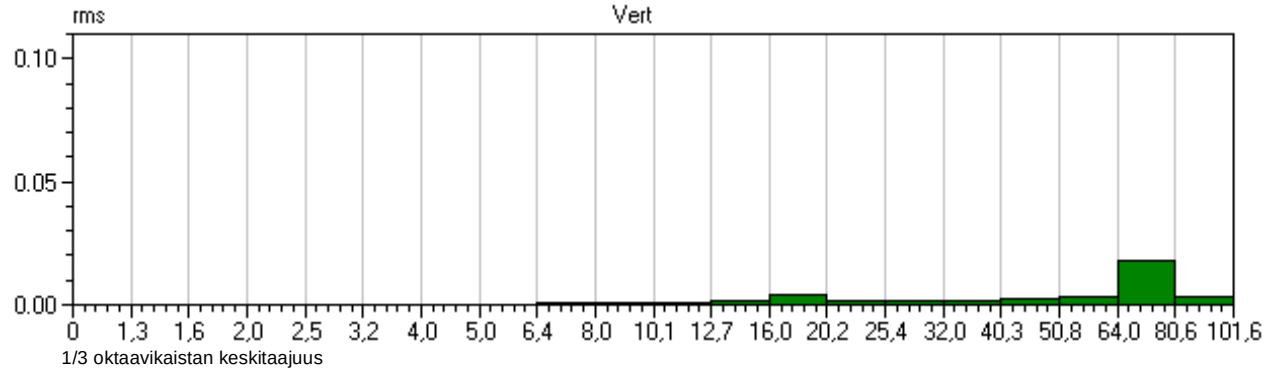


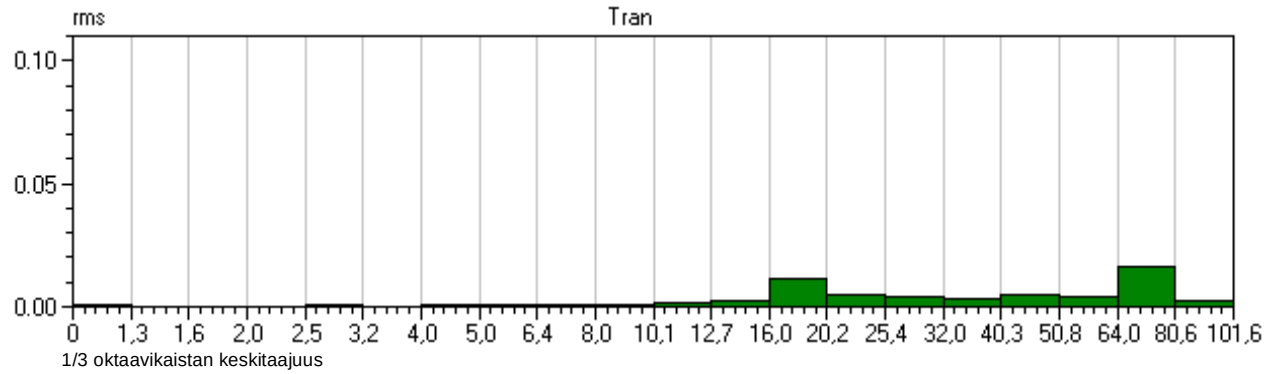
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:35** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 11:16:34 | *File Name:* | M630GD64.NM0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.0952 | 0.254 | 0.264 | mm/s |
| *Freq* | 24 | 57 | 47 | | Hz |
| *Time of Peak* | 0.171 | 0.769 | 1.346 | 1.346 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00065 | 0.00033 | 0.00088 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,03** | **0,09** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,03** | **0,09** | **0,10** | mm/s |



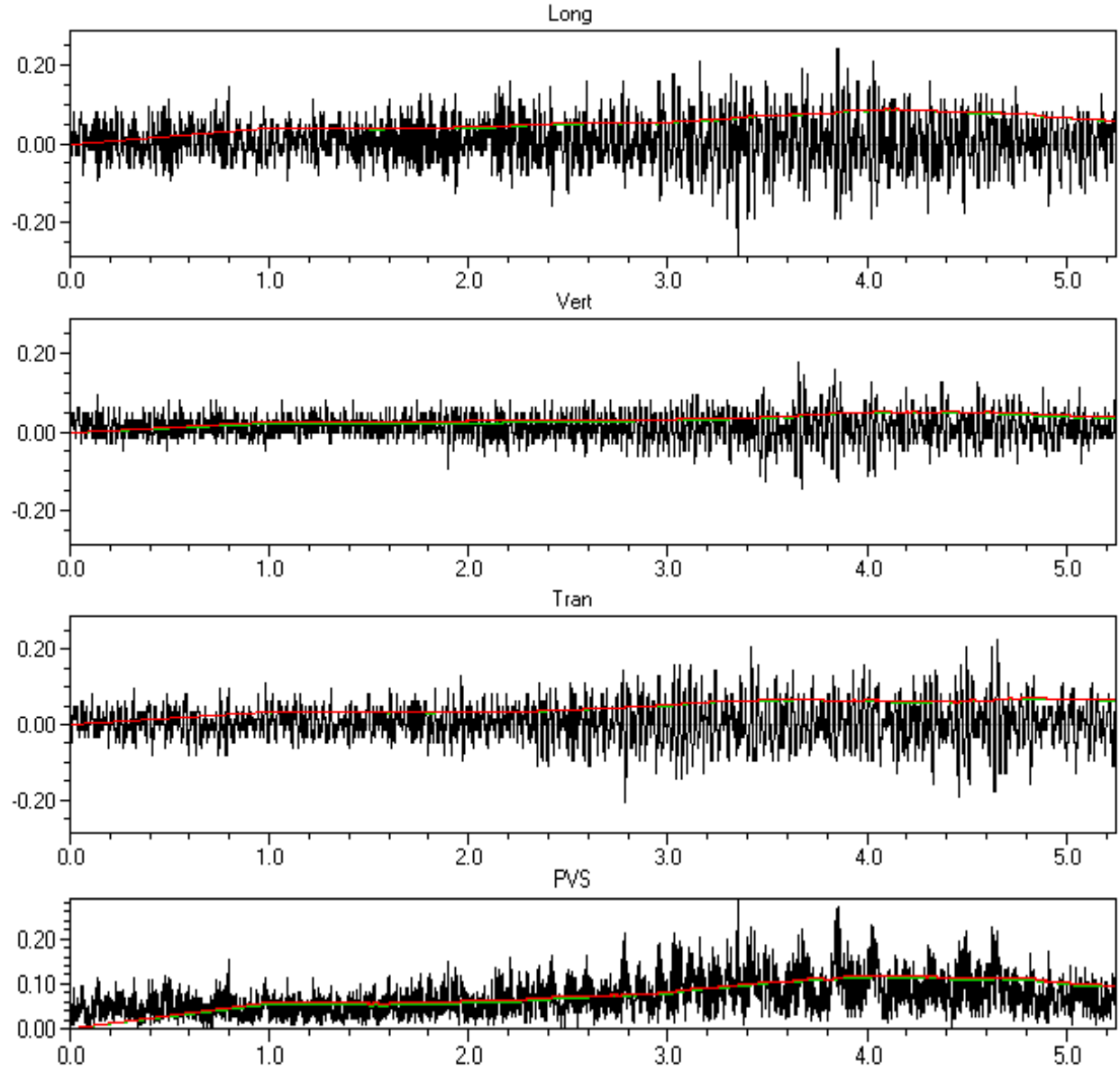



**BlastView RMS report. Generated: 19.5.2016 12:31:37** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 18:11:27 | *File Name:* | M630GD6N.V30 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

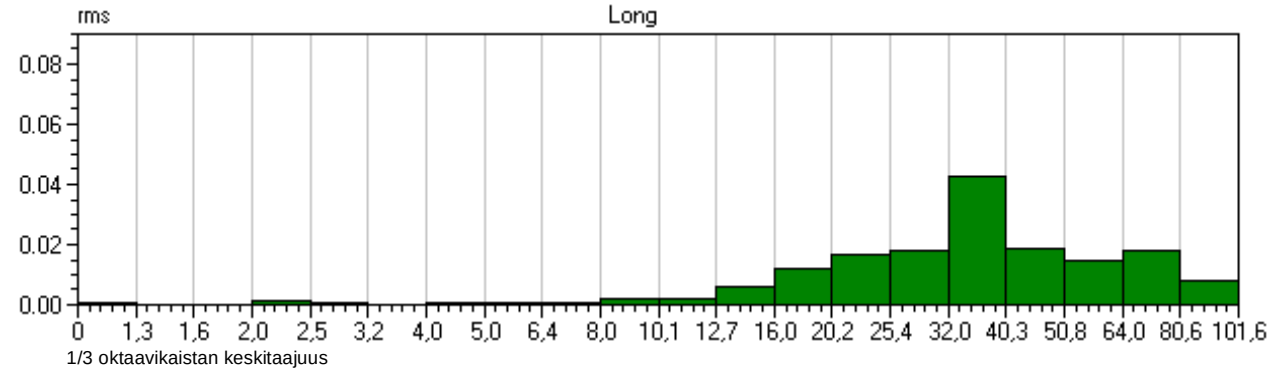
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.222 | 0.175 | 0.286 | 0.289 | mm/s |
| *Freq* | 34 | 32 | 51 | | Hz |
| *Time of Peak* | 4.405 | 3.407 | 3.101 | 3.101 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00096 | 0.00077 | 0.00091 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,05** | **0,09** | **0,12** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,09** | **0,12** | mm/s |

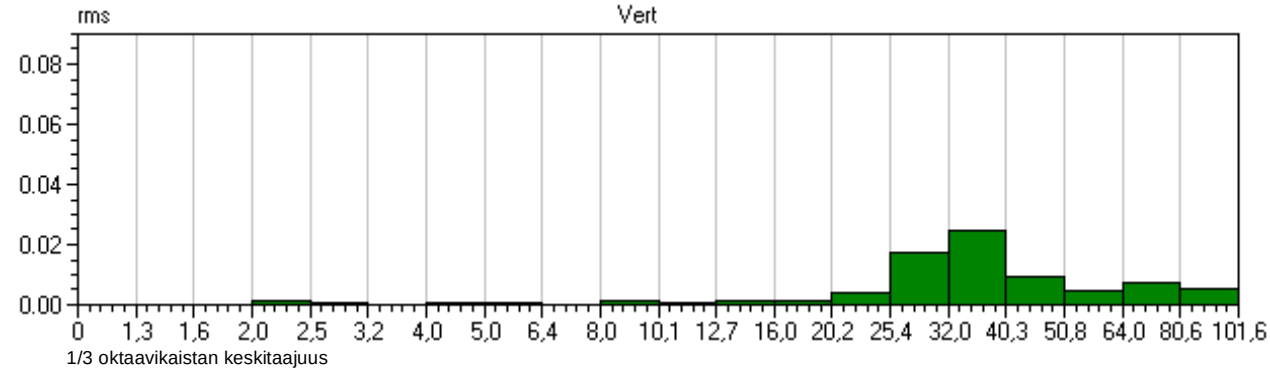


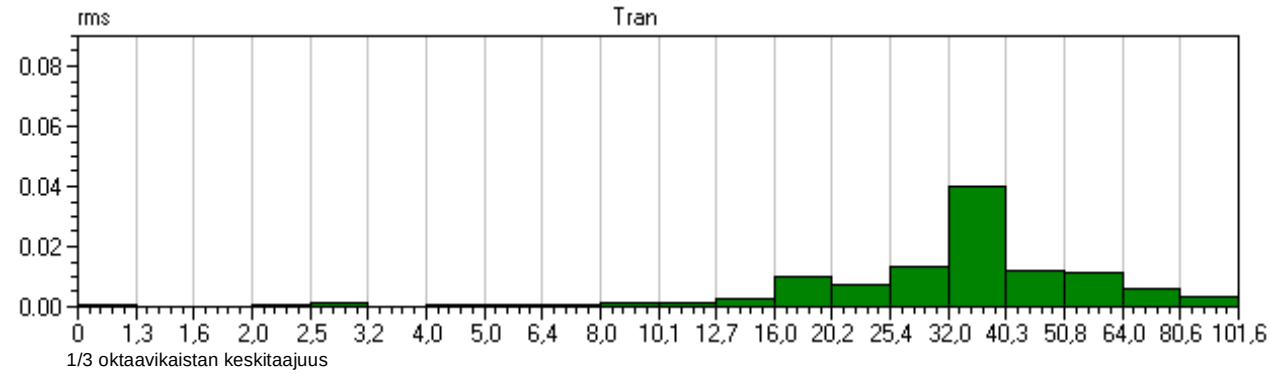
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:37** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 18:11:27 | *File Name:* | M630GD6N.V30 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.222 | 0.175 | 0.286 | 0.289 | mm/s |
| *Freq* | 34 | 32 | 51 | | Hz |
| *Time of Peak* | 4.405 | 3.407 | 3.101 | 3.101 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00994 | | g |
| *Peak Displacement* | 0.00096 | 0.00077 | 0.00091 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,05** | **0,09** | **0,12** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,09** | **0,12** | mm/s |



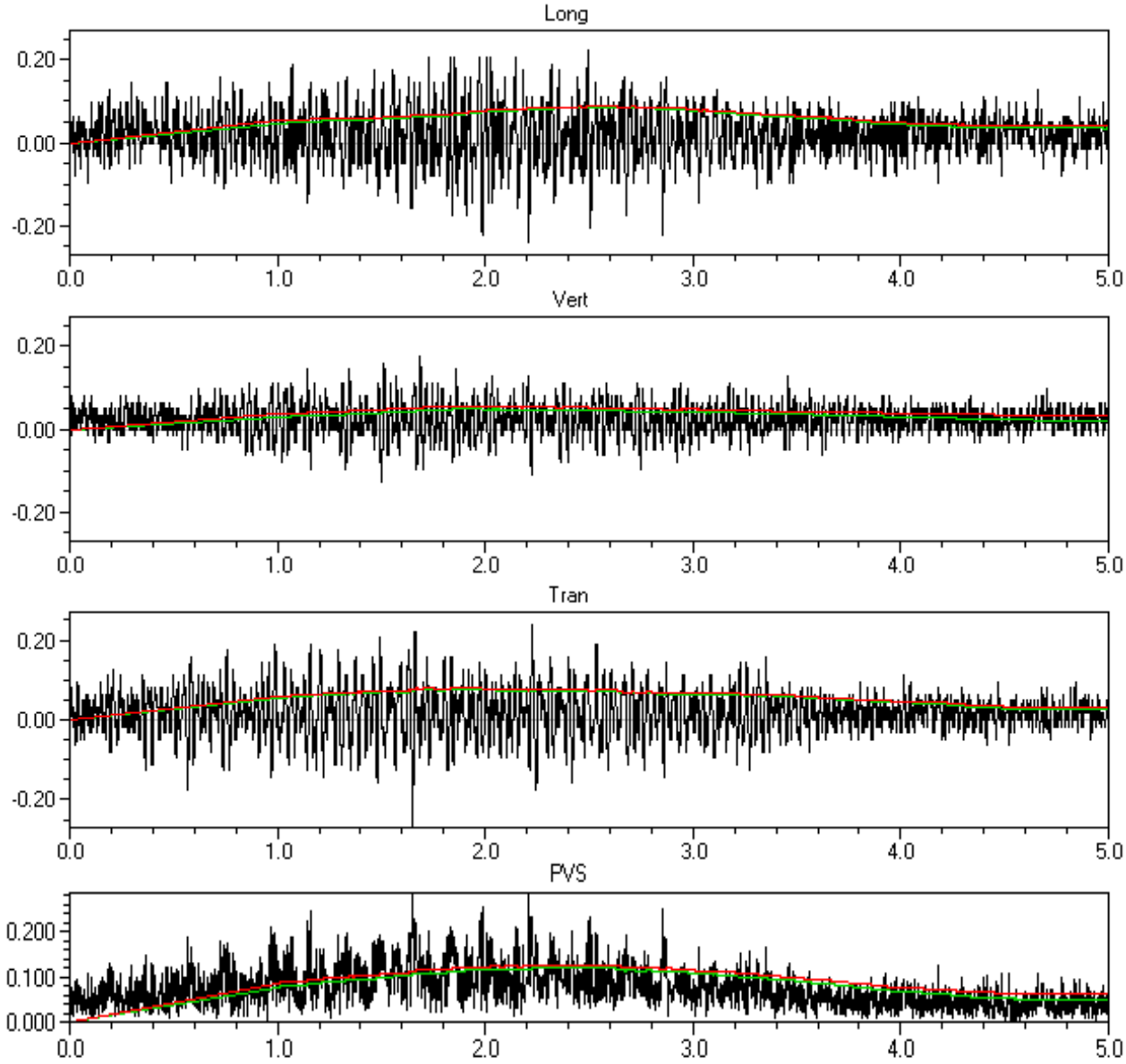



**BlastView RMS report. Generated: 19.5.2016 12:31:42** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 02:20:16 | *File Name:* | M630GD7A.HS0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

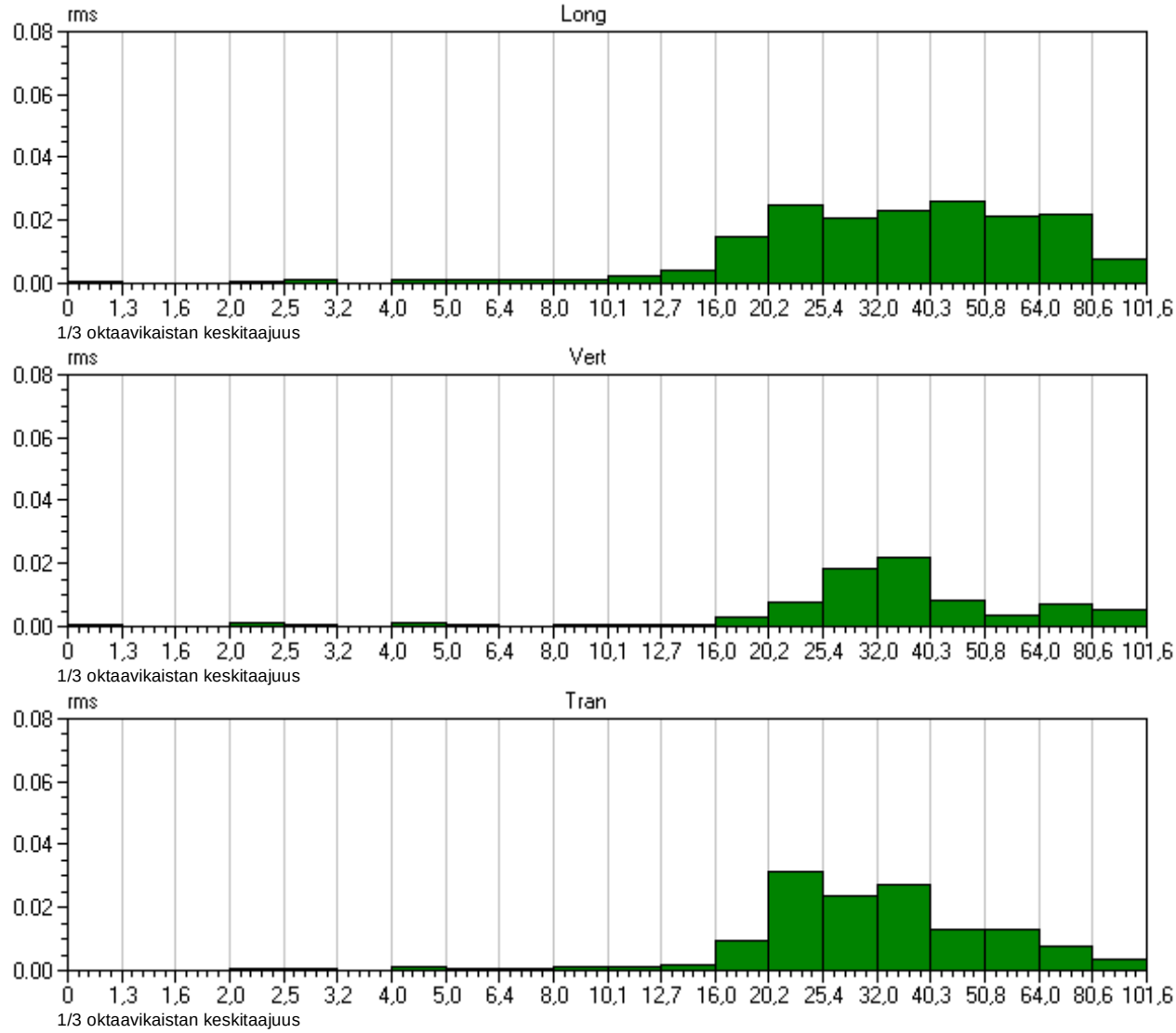
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.270 | 0.175 | 0.238 | 0.278 | mm/s |
| *Freq* | 37 | 37 | 47 | | Hz |
| *Time of Peak* | 1.651 | 1.685 | 2.209 | 1.651 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00112 | 0.00072 | 0.00113 | | mm |
| *RMS (1s fw 5.6)* | **0,08** | **0,05** | **0,09** | **0,12** | mm/s |
| *RMS (1s)* | **0,08** | **0,05** | **0,09** | **0,13** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:43** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 02:20:16 | *File Name:* | M630GD7A.HS0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

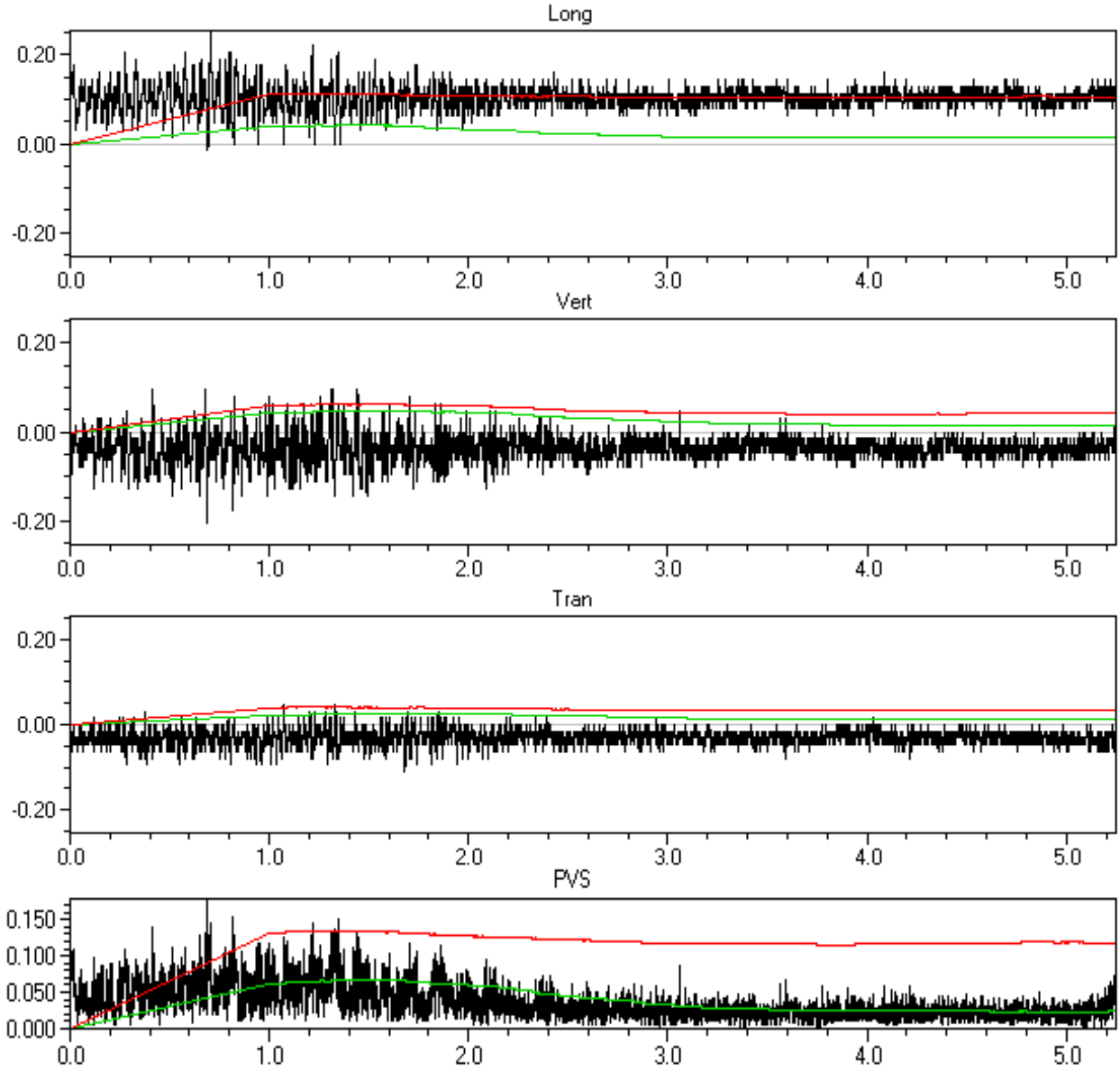
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.270 | 0.175 | 0.238 | 0.278 | mm/s |
| *Freq* | 37 | 37 | 47 | | Hz |
| *Time of Peak* | 1.651 | 1.685 | 2.209 | 1.651 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.00994 | | g |
| *Peak Displacement* | 0.00112 | 0.00072 | 0.00113 | | mm |
| *RMS (1s fw 5.6)* | **0,08** | **0,05** | **0,09** | **0,12** | mm/s |
| *RMS (1s)* | **0,08** | **0,05** | **0,09** | **0,13** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:39** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:31:39 | *File Name:* | M630GD7X.8R0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

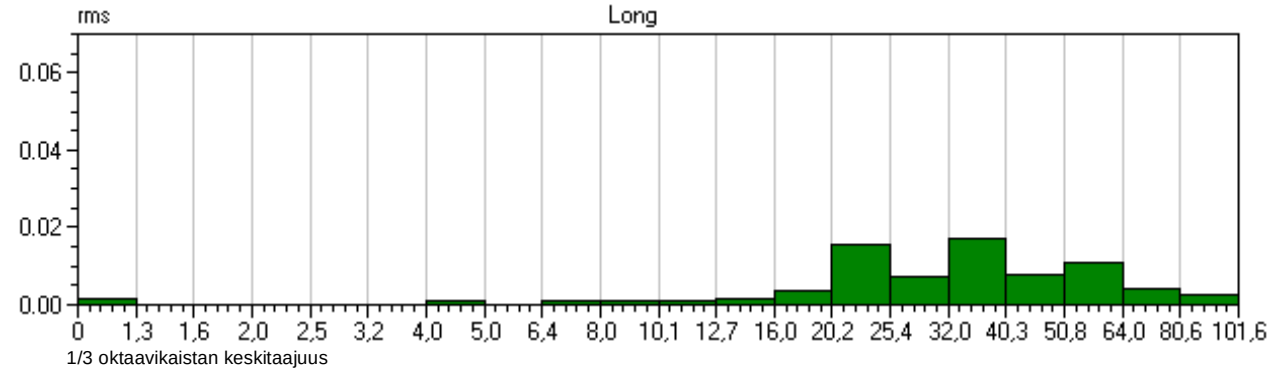
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.206 | 0.254 | 0.260 | mm/s |
| *Freq* | 37 | 37 | 4.2 | | Hz |
| *Time of Peak* | 1.430 | 0.436 | 0.455 | 0.455 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00059 | 0.00129 | 0.0262 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,05** | **0,04** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,06** | **0,11** | **0,13** | mm/s |

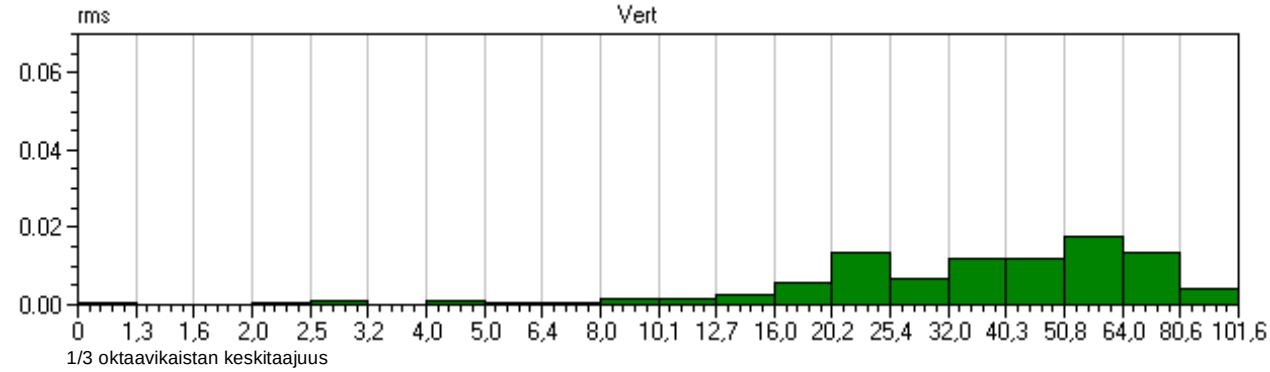


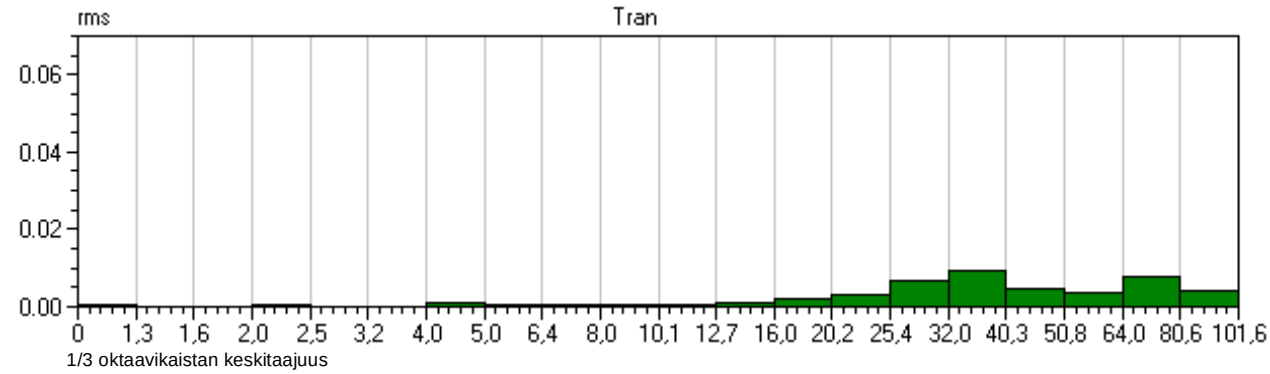
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:39** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:31:39 | *File Name:* | M630GD7X.8R0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.206 | 0.254 | 0.260 | mm/s |
| *Freq* | 37 | 37 | 4.2 | | Hz |
| *Time of Peak* | 1.430 | 0.436 | 0.455 | 0.455 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00059 | 0.00129 | 0.0262 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,05** | **0,04** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,06** | **0,11** | **0,13** | mm/s |



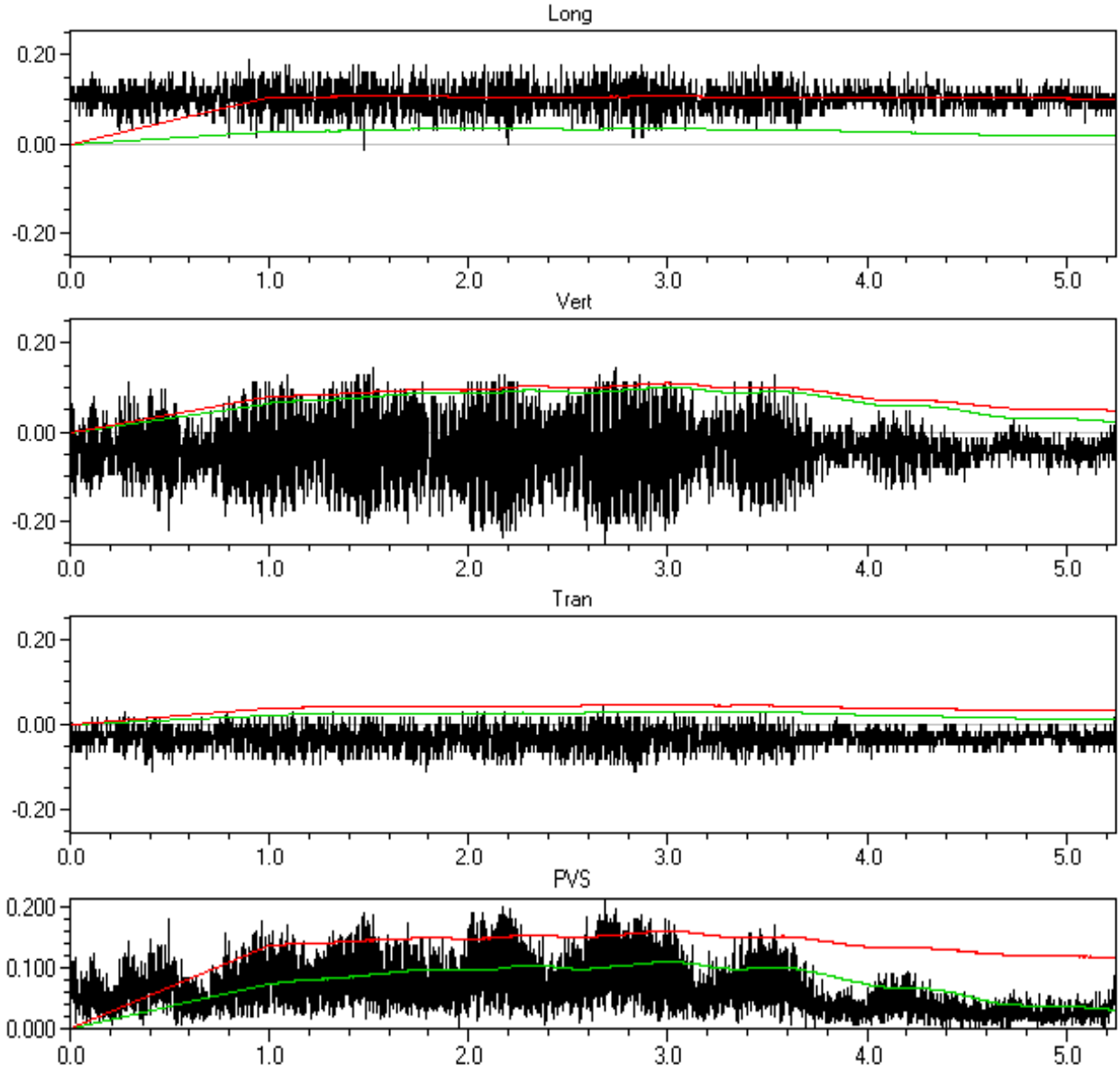



**BlastView RMS report. Generated: 19.5.2016 12:31:41** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 13:40:25 | *File Name:* | M630GD85.ZD0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

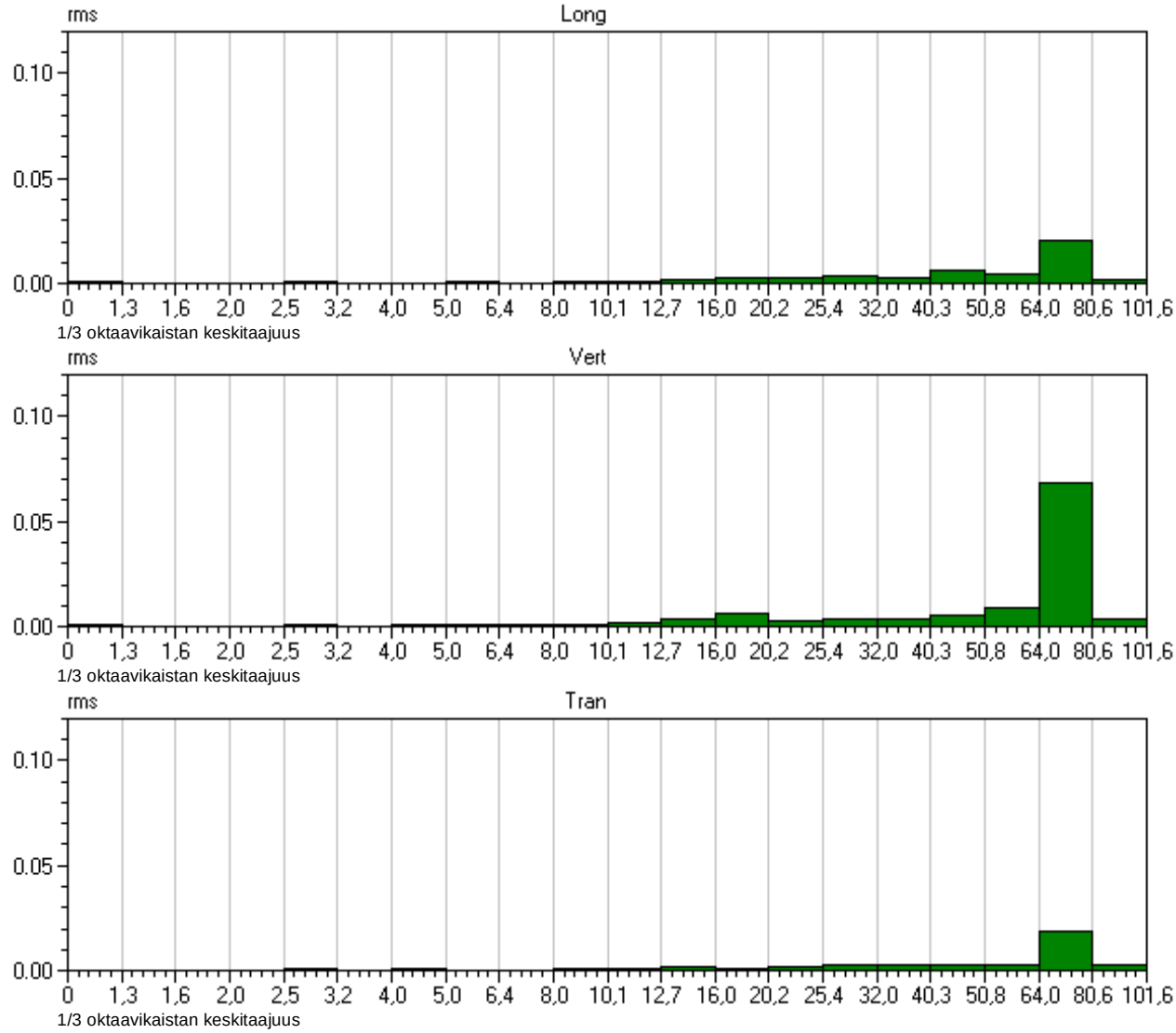
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.254 | 0.190 | 0.298 | mm/s |
| *Freq* | 43 | 57 | 3.7 | | Hz |
| *Time of Peak* | 0.157 | 2.431 | 0.646 | 2.431 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00064 | 0.00098 | 0.0405 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,10** | **0,03** | **0,11** | mm/s |
| *RMS (1s)* | **0,05** | **0,11** | **0,11** | **0,16** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:41** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 12, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 13:40:25 | *File Name:* | M630GD85.ZD0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

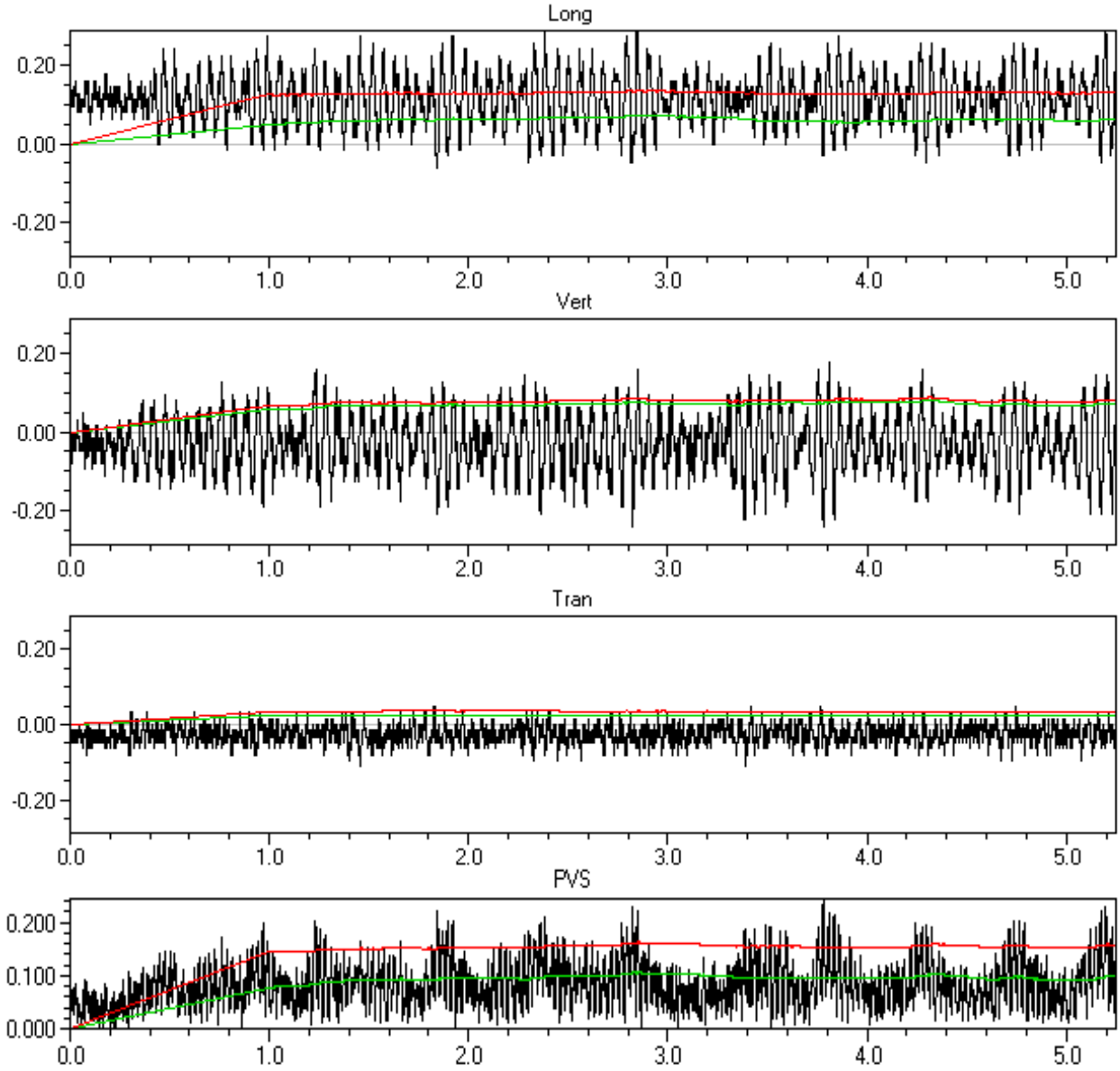
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.254 | 0.190 | 0.298 | mm/s |
| *Freq* | 43 | 57 | 3.7 | | Hz |
| *Time of Peak* | 0.157 | 2.431 | 0.646 | 2.431 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00064 | 0.00098 | 0.0405 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,10** | **0,03** | **0,11** | mm/s |
| *RMS (1s)* | **0,05** | **0,11** | **0,11** | **0,16** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:46** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:11:48 | *File Name:* | M630GD9I.NO0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

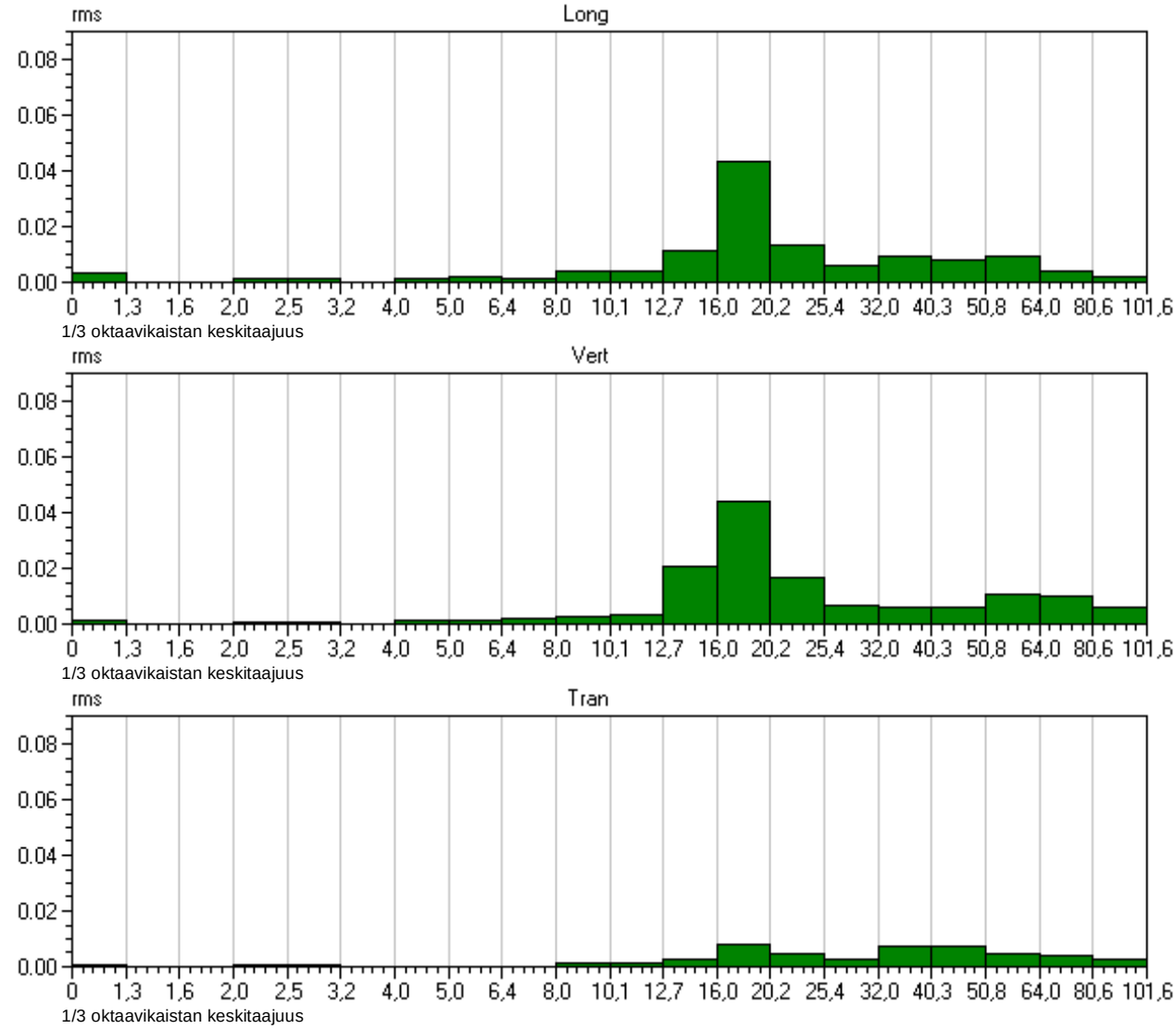
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.238 | 0.286 | 0.308 | mm/s |
| *Freq* | 34 | 18 | 11 | | Hz |
| *Time of Peak* | 1.204 | 2.574 | 2.133 | 4.947 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00063 | 0.00194 | 0.0251 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,07** | **0,11** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,14** | **0,16** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:46** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:11:48 | *File Name:* | M630GD9I.NO0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

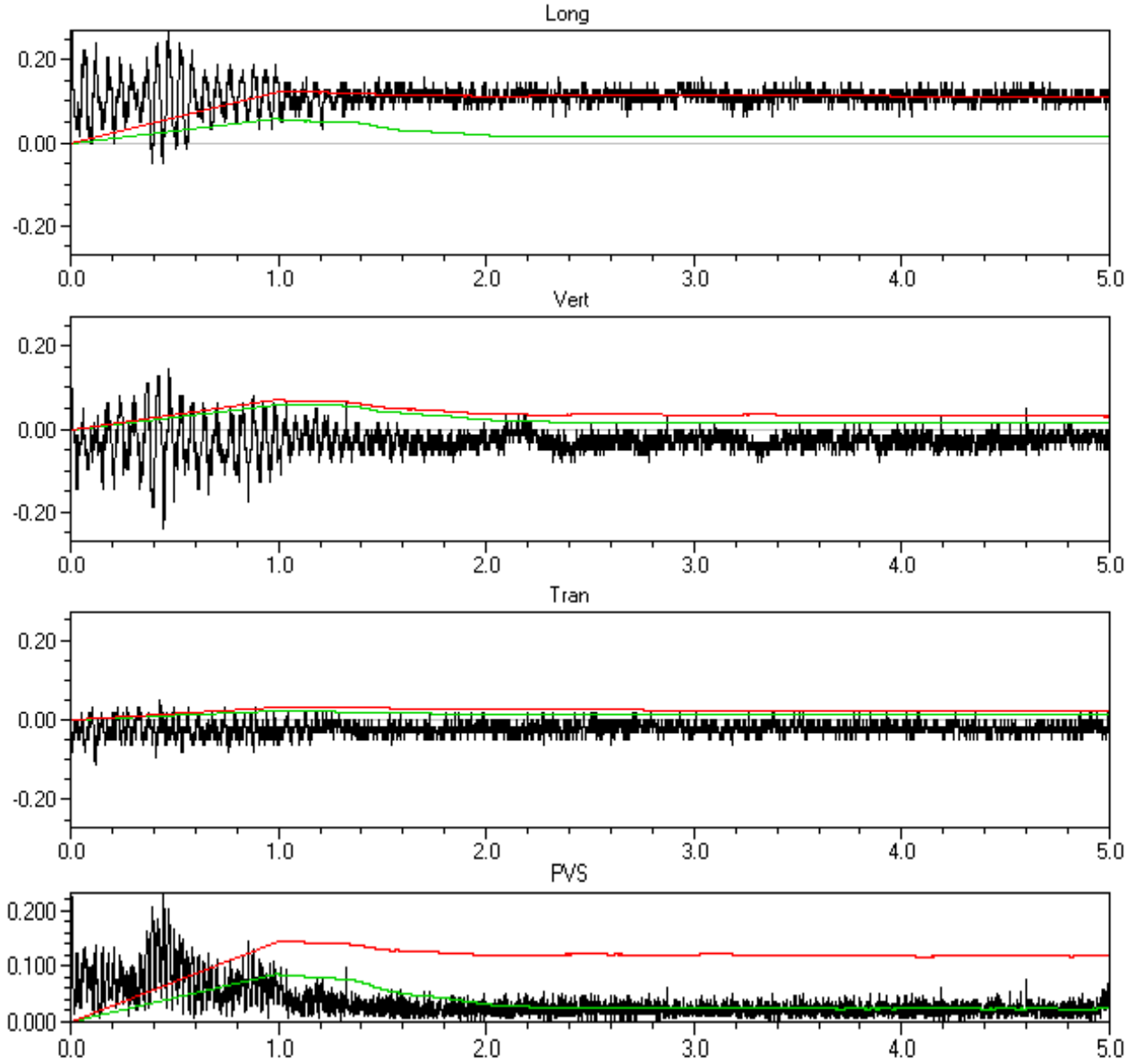
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.238 | 0.286 | 0.308 | mm/s |
| *Freq* | 34 | 18 | 11 | | Hz |
| *Time of Peak* | 1.204 | 2.574 | 2.133 | 4.947 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00063 | 0.00194 | 0.0251 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,07** | **0,11** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,14** | **0,16** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:48** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:11:53 | *File Name:* | M630GD9I.NT0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

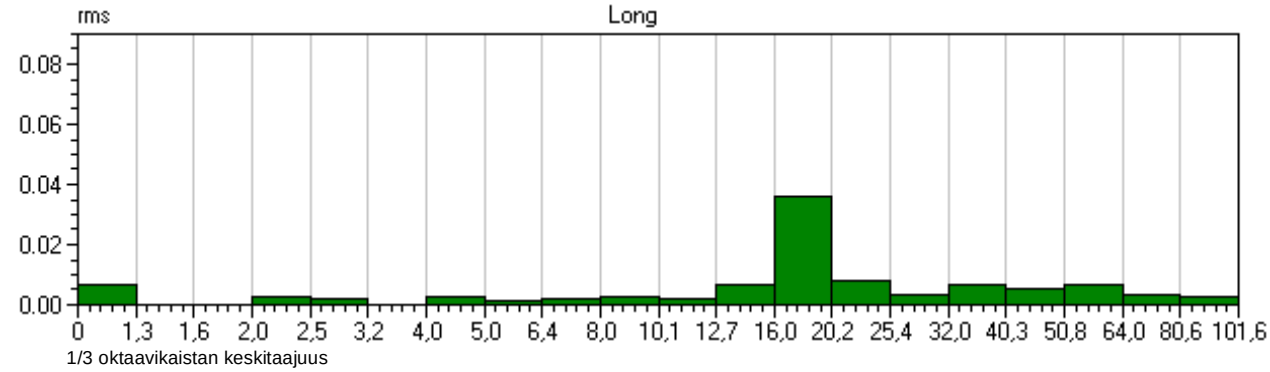
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.238 | 0.270 | 0.285 | mm/s |
| *Freq* | 28 | 27 | | | Hz |
| *Time of Peak* | 0.117 | 0.447 | 0.000 | 0.004 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00057 | 0.00189 | 0.00984 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,06** | **0,06** | **0,09** | mm/s |
| *RMS (1s)* | **0,03** | **0,07** | **0,12** | **0,15** | mm/s |

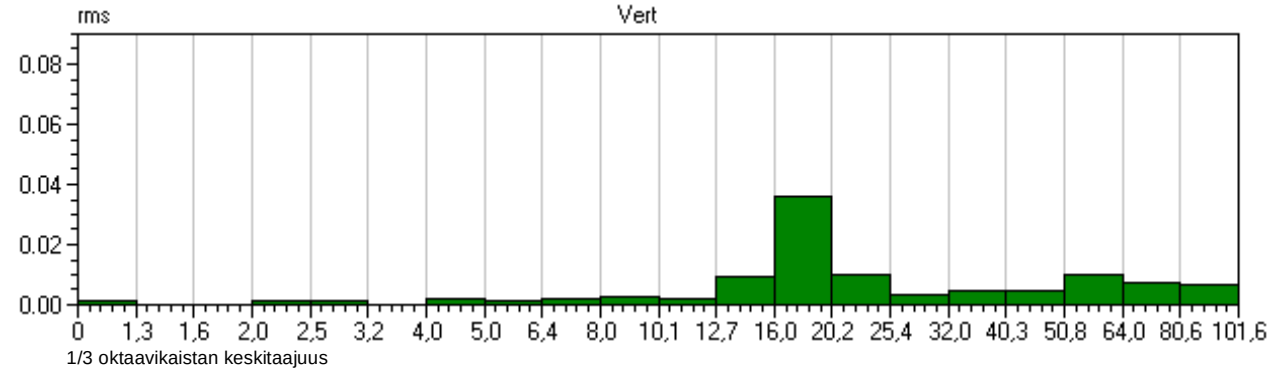


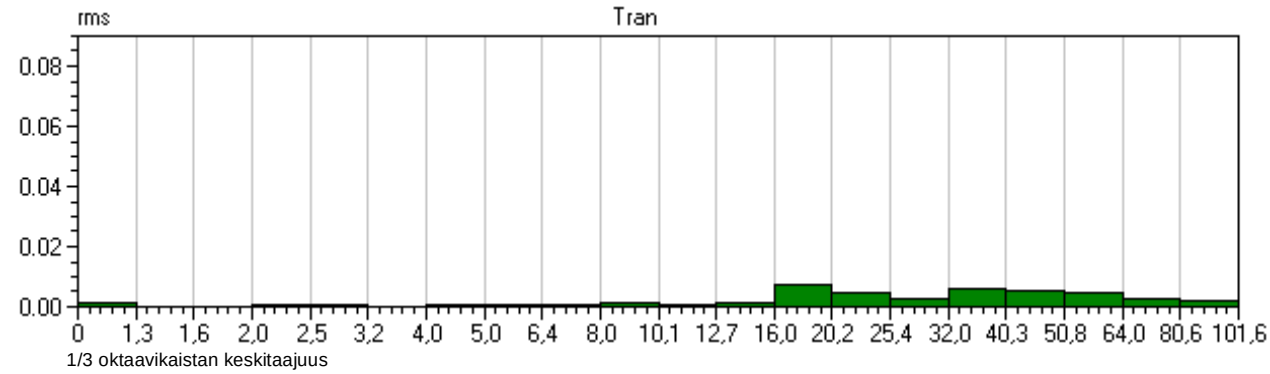
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:48** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:11:53 | *File Name:* | M630GD9I.NT0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.238 | 0.270 | 0.285 | mm/s |
| *Freq* | 28 | 27 | | | Hz |
| *Time of Peak* | 0.117 | 0.447 | 0.000 | 0.004 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00057 | 0.00189 | 0.00984 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,06** | **0,06** | **0,09** | mm/s |
| *RMS (1s)* | **0,03** | **0,07** | **0,12** | **0,15** | mm/s |



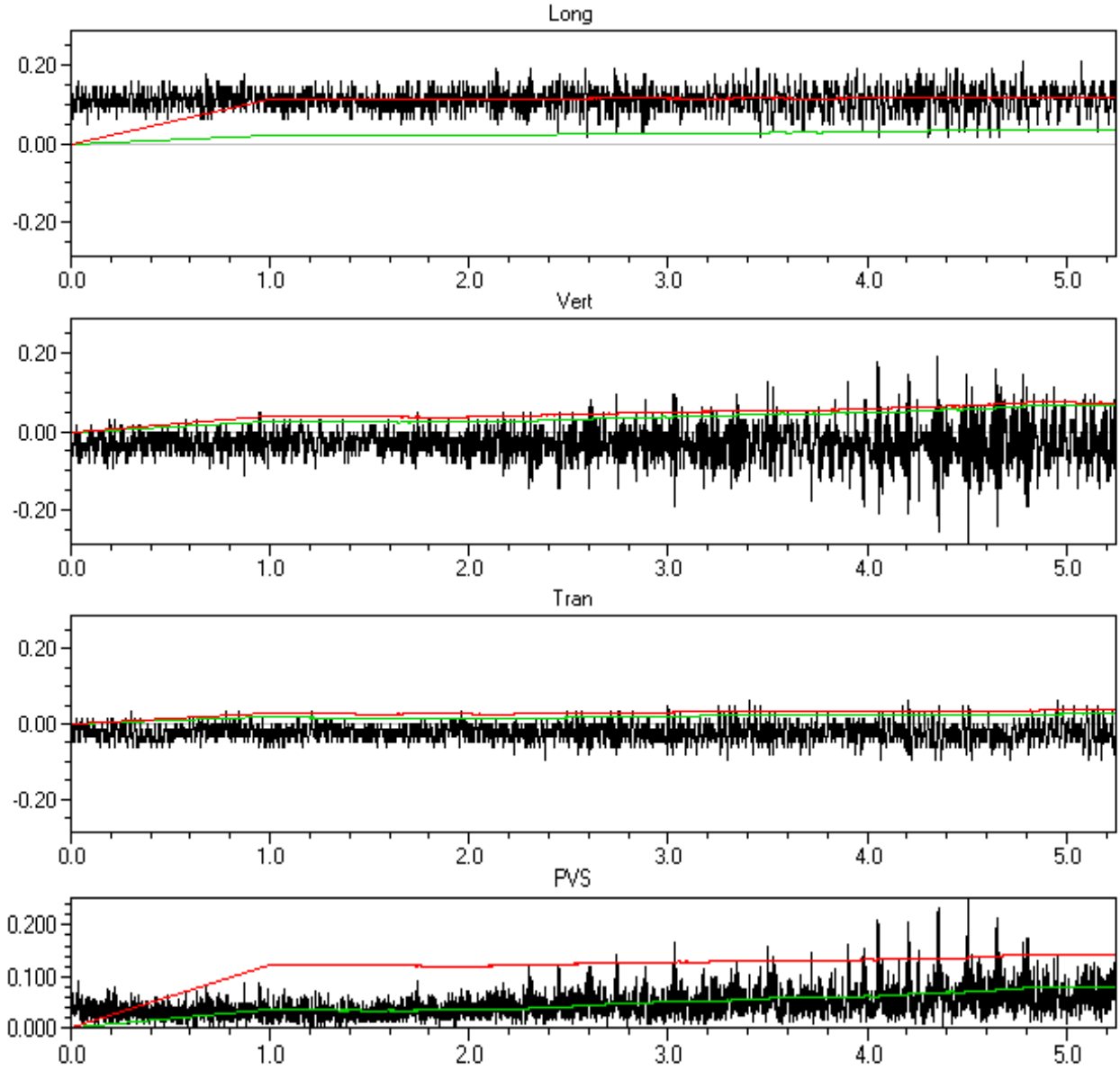



**BlastView RMS report. Generated: 19.5.2016 12:31:50** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:17:33 | *File Name:* | M630GD9I.X90 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

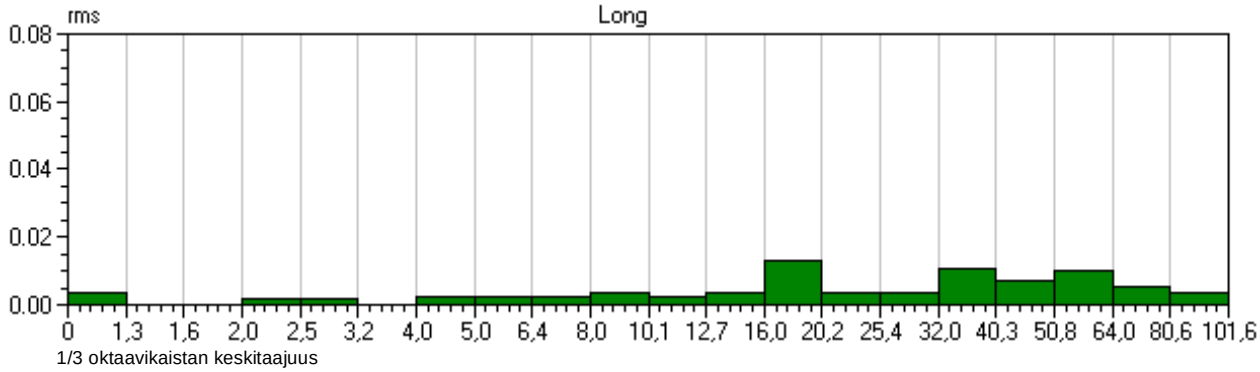
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.286 | 0.206 | 0.302 | mm/s |
| *Freq* | 51 | 64 | | | Hz |
| *Time of Peak* | 2.128 | 4.256 | 4.527 | 4.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0133 | 0.00663 | | g |
| *Peak Displacement* | 0.00066 | 0.00088 | 0.144 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,07** | **0,04** | **0,08** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,12** | **0,14** | mm/s |

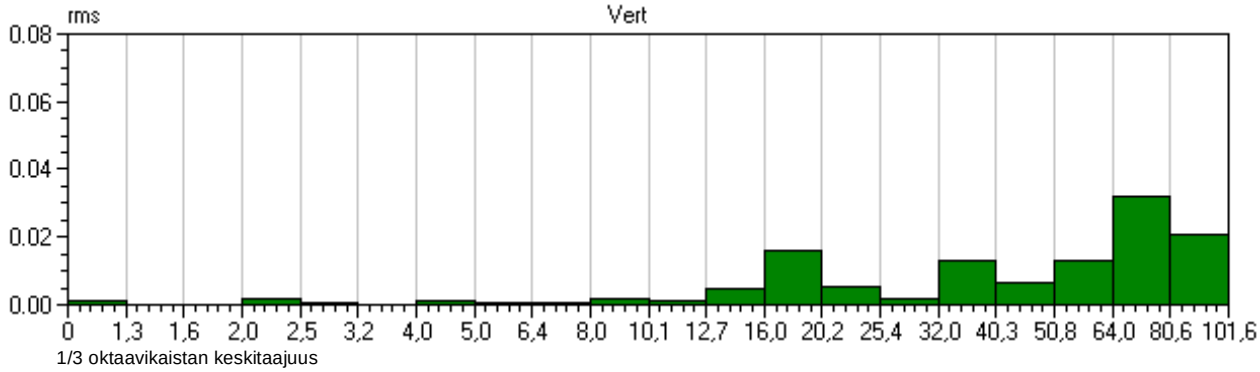


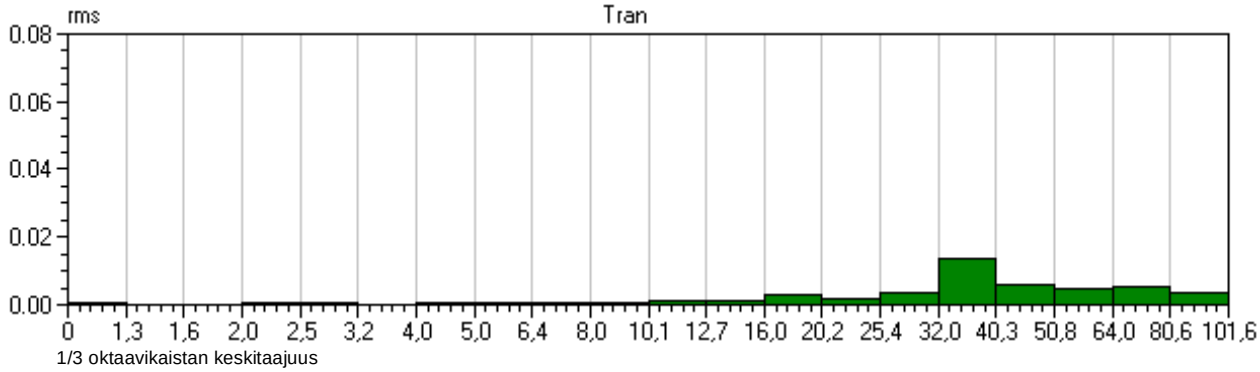
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:50** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:17:33 | *File Name:* | M630GD9I.X90 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.286 | 0.206 | 0.302 | mm/s |
| *Freq* | 51 | 64 | | | Hz |
| *Time of Peak* | 2.128 | 4.256 | 4.527 | 4.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0133 | 0.00663 | | g |
| *Peak Displacement* | 0.00066 | 0.00088 | 0.144 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,07** | **0,04** | **0,08** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,12** | **0,14** | mm/s |



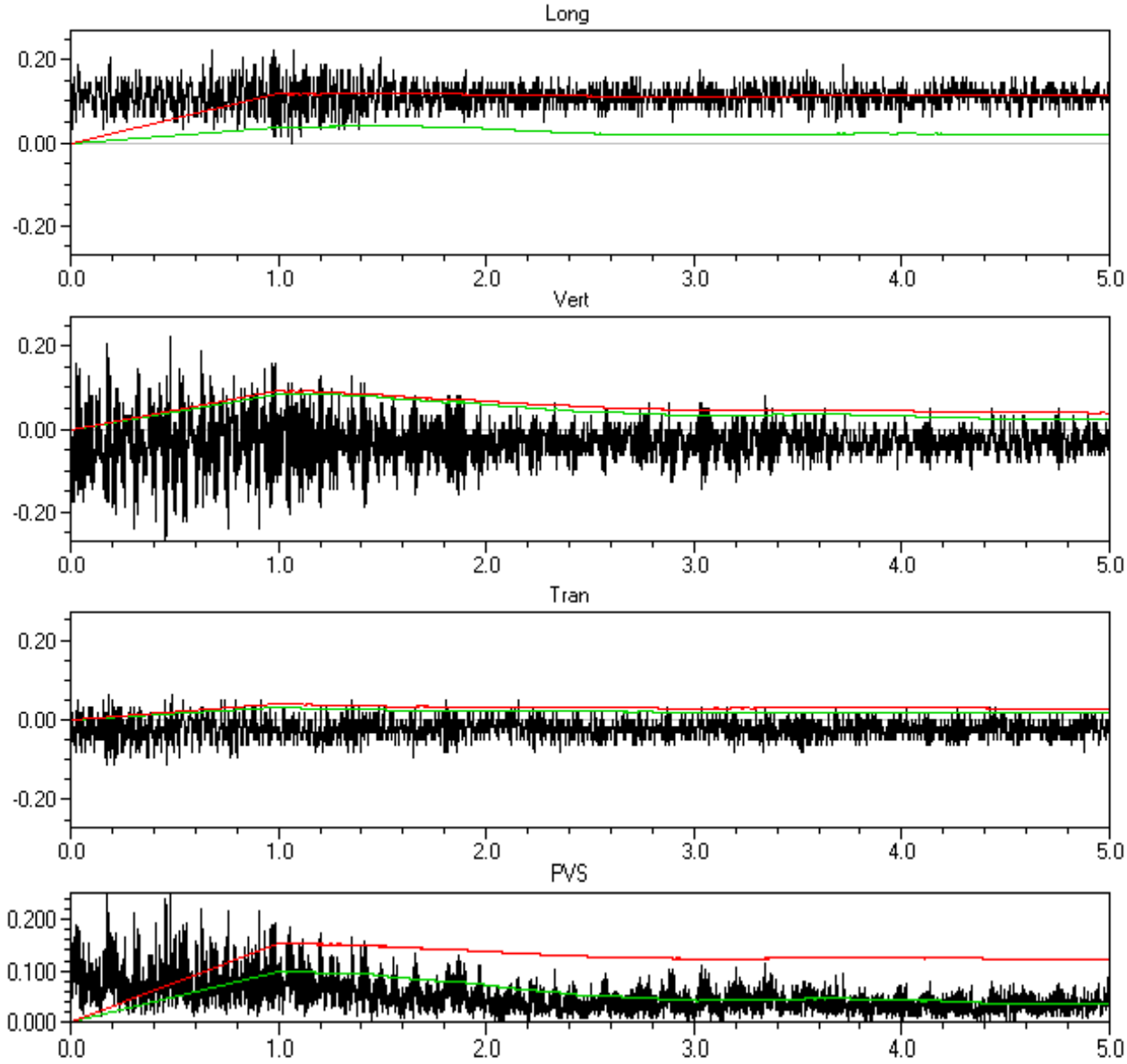



**BlastView RMS report. Generated: 19.5.2016 12:31:51** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:17:38 | *File Name:* | M630GD9I.XE0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

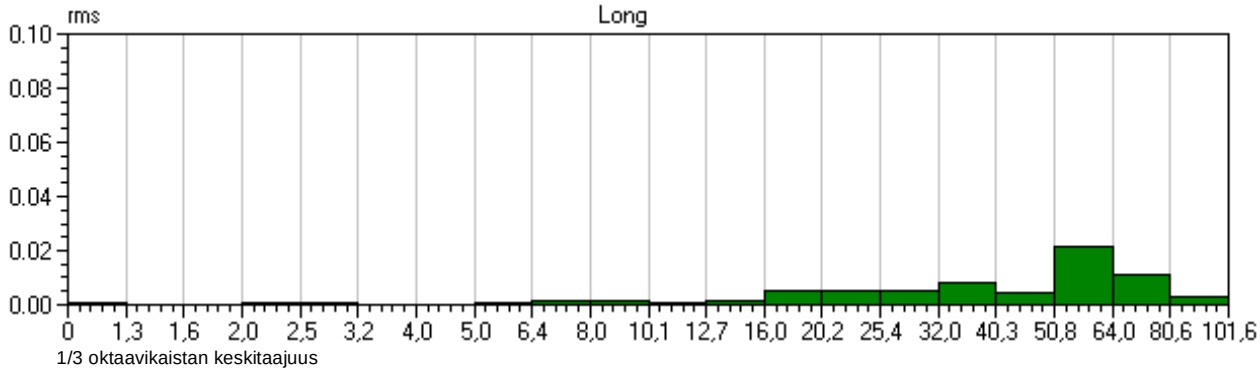
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.270 | 0.222 | 0.282 | mm/s |
| *Freq* | 73 | 51 | | | Hz |
| *Time of Peak* | 0.176 | 0.457 | 0.677 | 0.457 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00829 | | g |
| *Peak Displacement* | 0.00039 | 0.00087 | 0.0538 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,09** | **0,04** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,15** | mm/s |

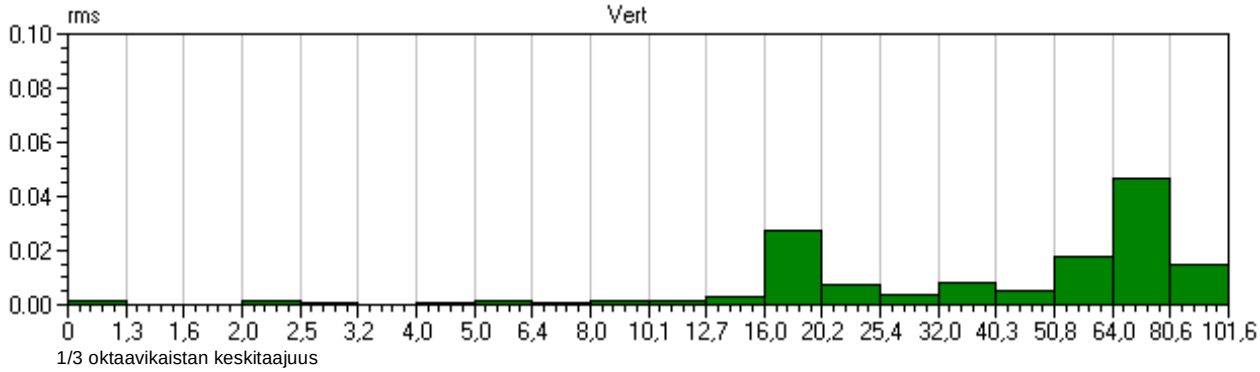


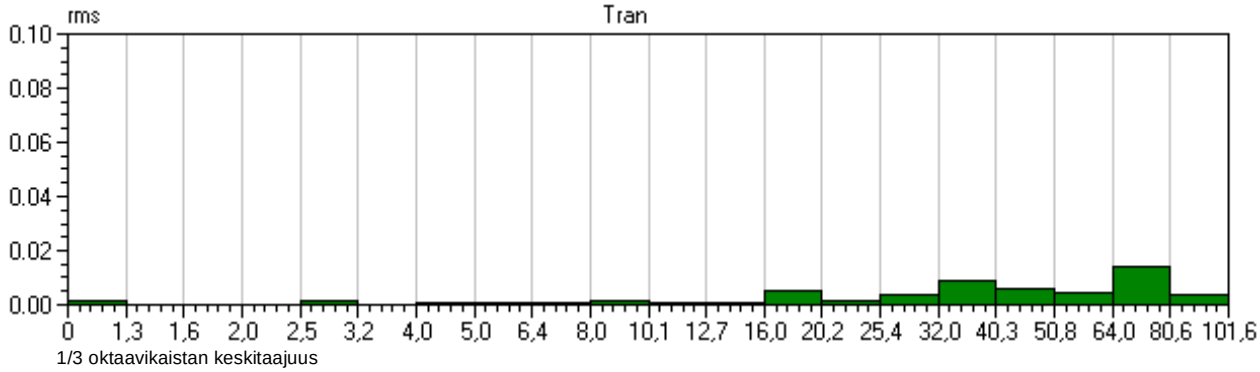
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:52** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:17:38 | *File Name:* | M630GD9I.XE0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.270 | 0.222 | 0.282 | mm/s |
| *Freq* | 73 | 51 | | | Hz |
| *Time of Peak* | 0.176 | 0.457 | 0.677 | 0.457 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00829 | | g |
| *Peak Displacement* | 0.00039 | 0.00087 | 0.0538 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,09** | **0,04** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,15** | mm/s |



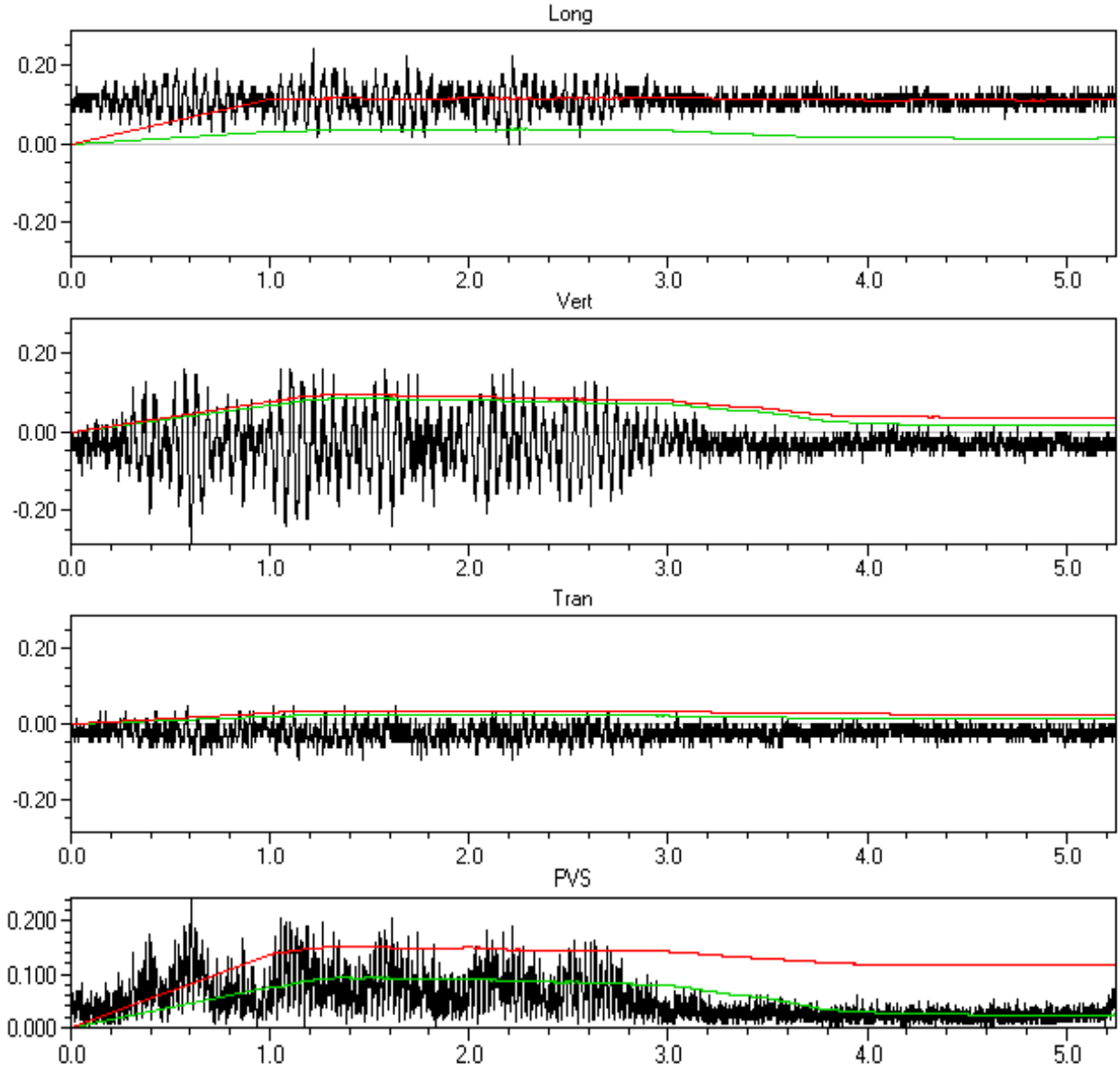



**BlastView RMS report. Generated: 19.5.2016 12:31:53** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:45:49 | *File Name:* | M630GD9K.8D0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

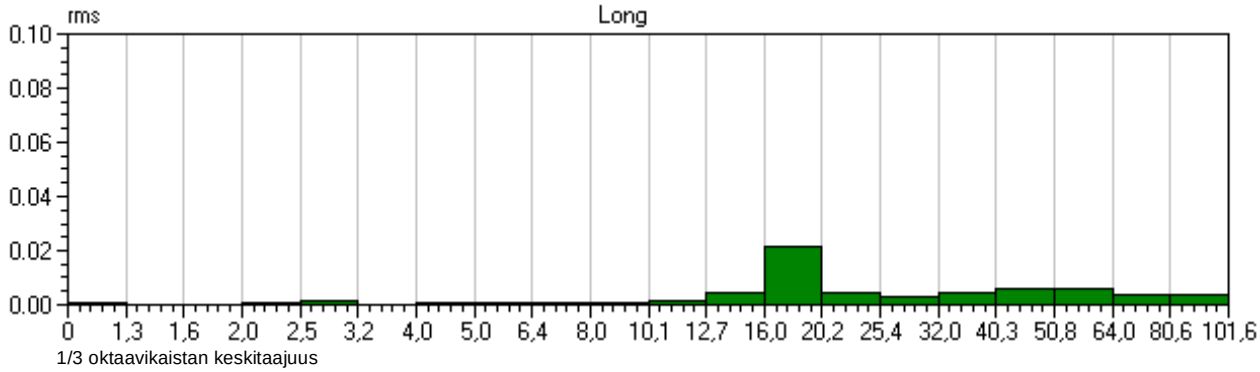
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.286 | 0.238 | 0.294 | mm/s |
| *Freq* | 34 | 17 | | | Hz |
| *Time of Peak* | 0.891 | 0.354 | 0.966 | 0.354 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00081 | 0.00223 | 0.0670 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,04** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,15** | mm/s |

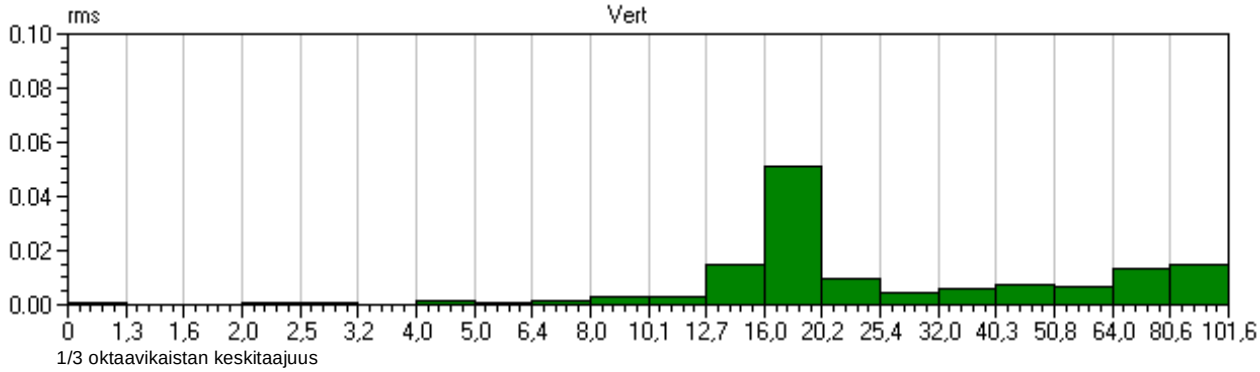


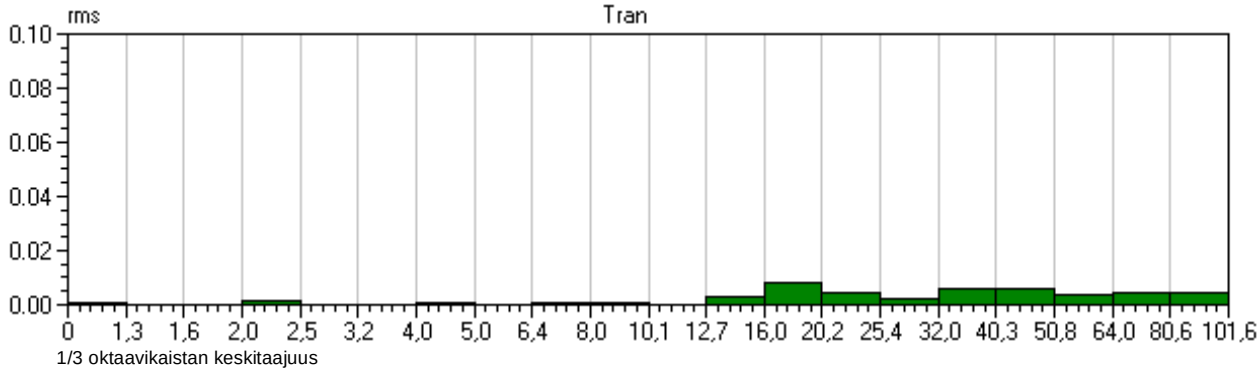
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:53** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 07:45:49 | *File Name:* | M630GD9K.8D0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.286 | 0.238 | 0.294 | mm/s |
| *Freq* | 34 | 17 | | | Hz |
| *Time of Peak* | 0.891 | 0.354 | 0.966 | 0.354 | Sec |
| *Peak Acceleration* | 0.00497 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00081 | 0.00223 | 0.0670 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,04** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,15** | mm/s |



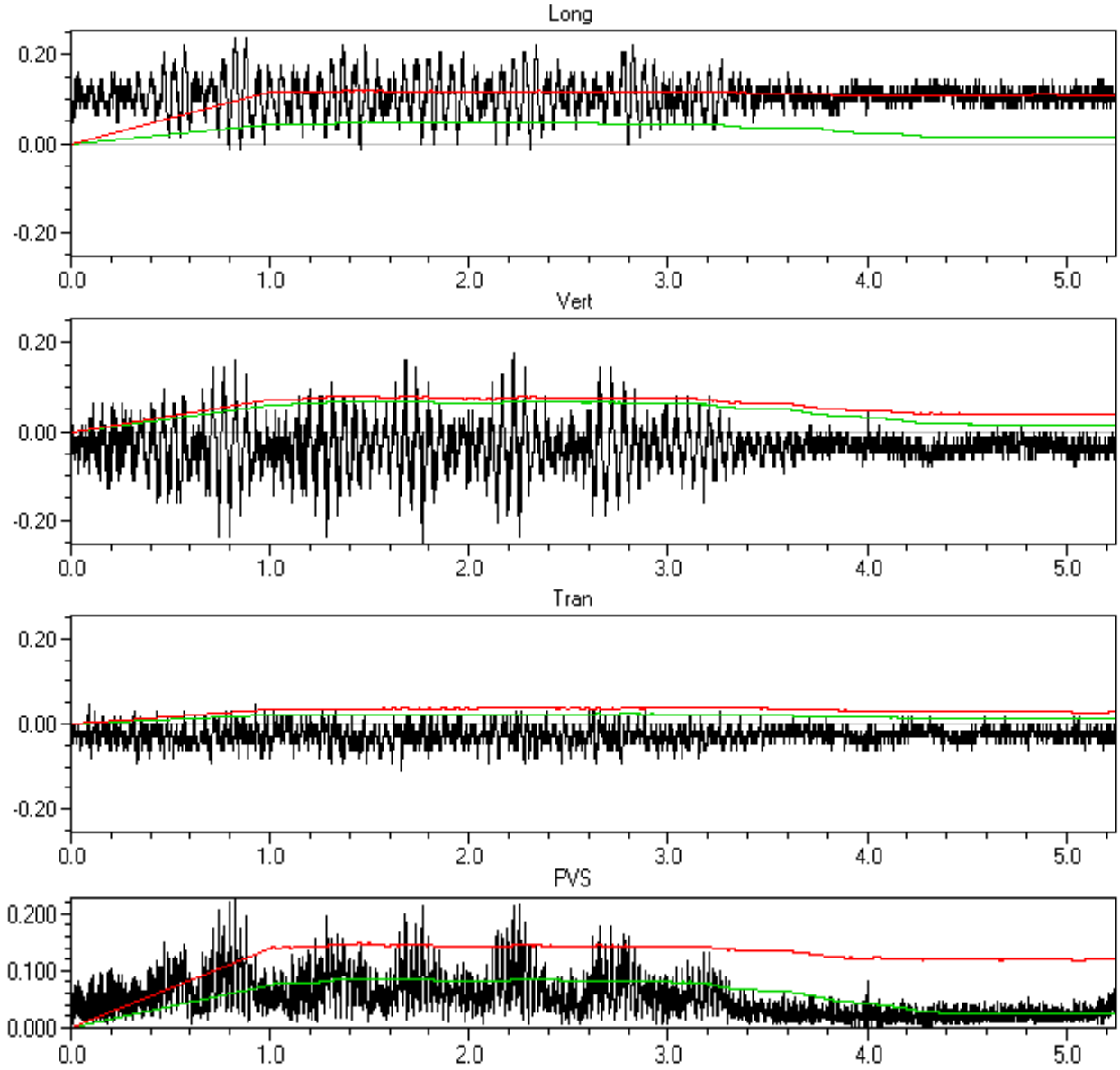



**BlastView RMS report. Generated: 19.5.2016 12:31:55** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 08:17:00 | *File Name:* | M630GD9L.OC0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

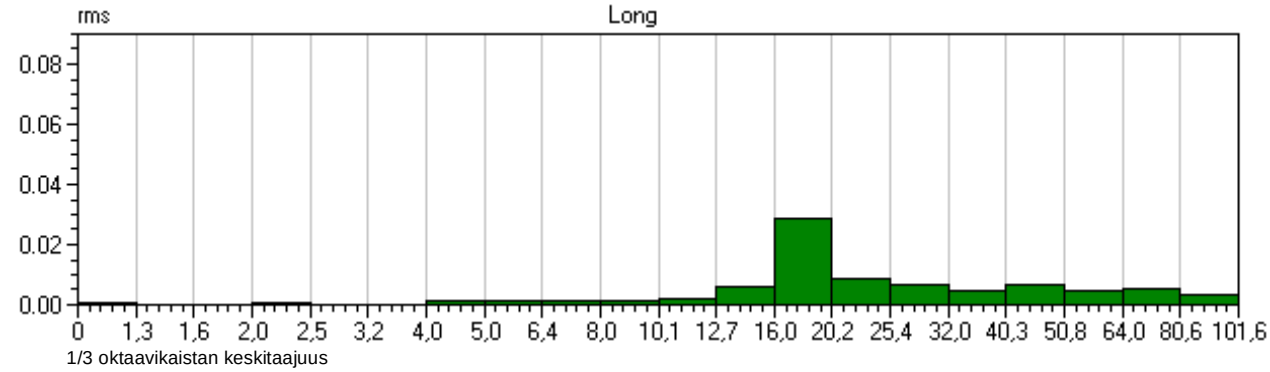
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.254 | 0.238 | 0.287 | mm/s |
| *Freq* | 51 | 28 | 11 | | Hz |
| *Time of Peak* | 1.410 | 1.520 | 0.573 | 0.575 | Sec |
| *Peak Acceleration* | 0.00497 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00074 | 0.00177 | 0.0260 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,07** | **0,05** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,12** | **0,15** | mm/s |

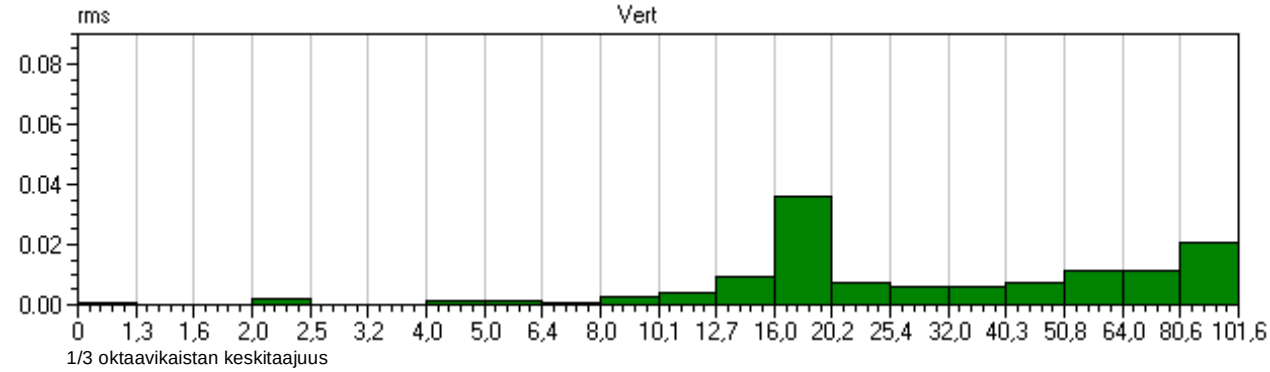


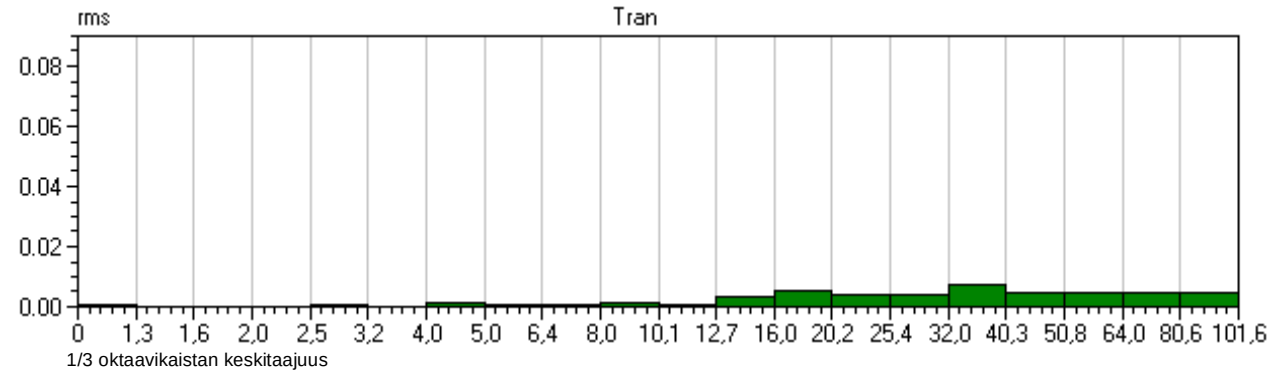
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:55** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 08:17:00 | *File Name:* | M630GD9L.OC0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.254 | 0.238 | 0.287 | mm/s |
| *Freq* | 51 | 28 | 11 | | Hz |
| *Time of Peak* | 1.410 | 1.520 | 0.573 | 0.575 | Sec |
| *Peak Acceleration* | 0.00497 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00074 | 0.00177 | 0.0260 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,07** | **0,05** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,12** | **0,15** | mm/s |



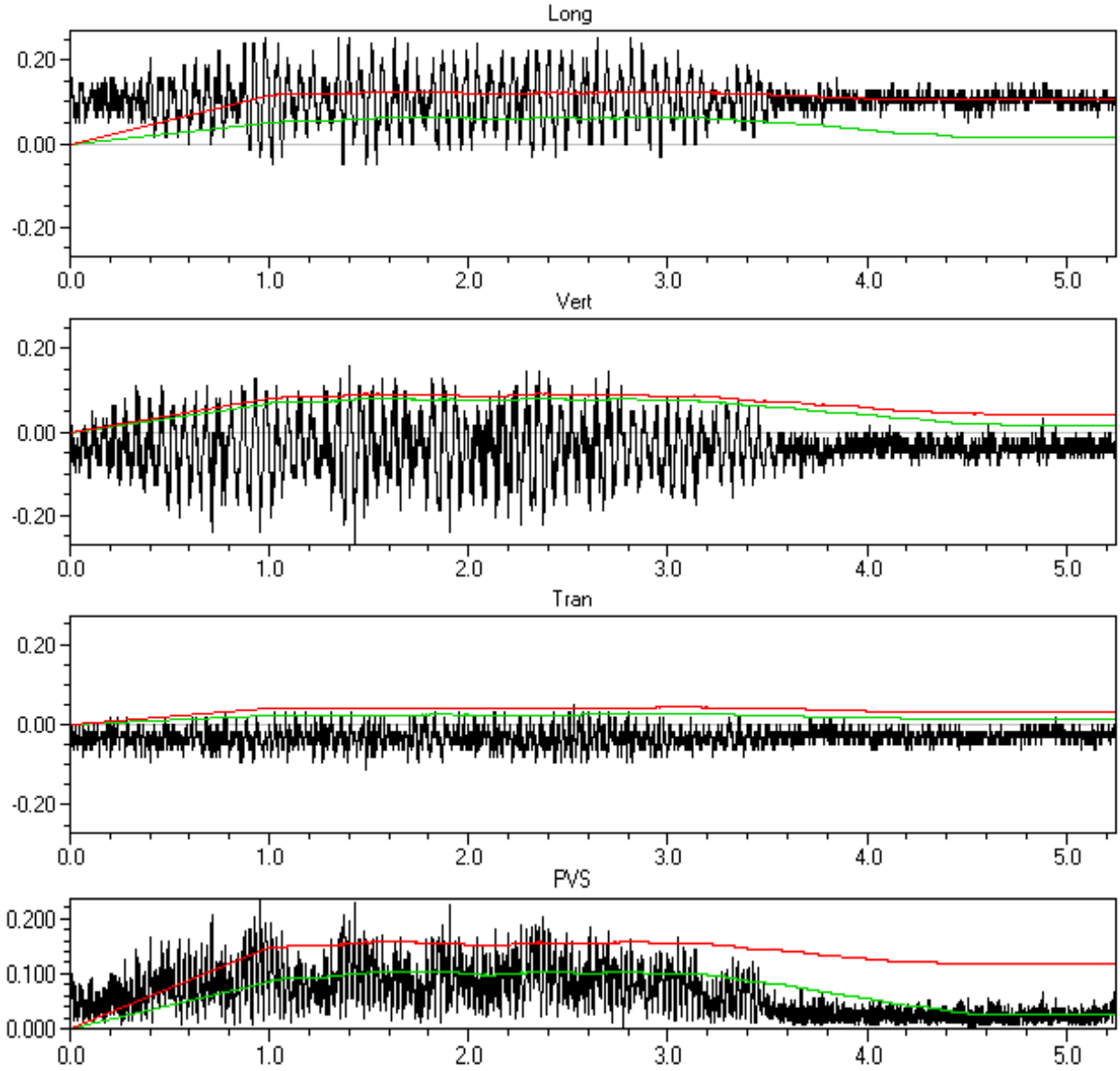



**BlastView RMS report. Generated: 19.5.2016 12:31:57** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 09:21:56 | *File Name:* | M630GD9O.OK0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

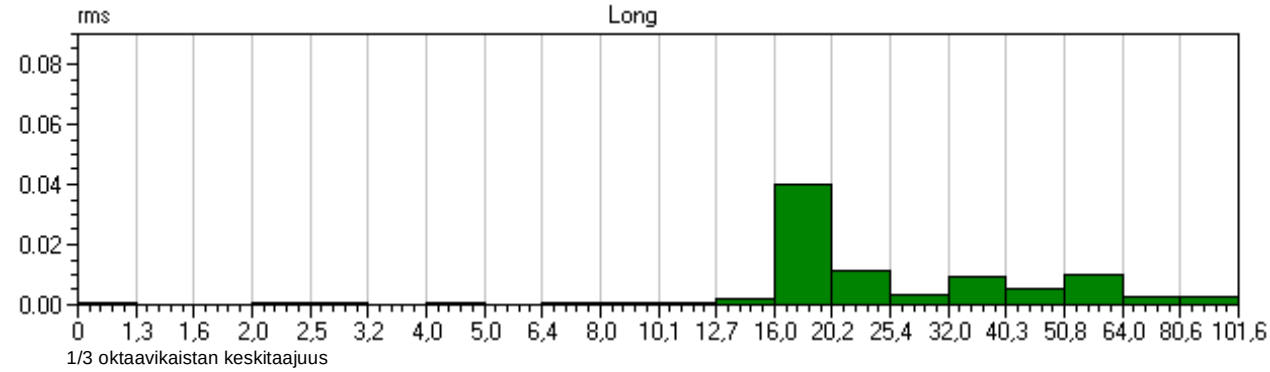
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.270 | 0.254 | 0.277 | mm/s |
| *Freq* | 37 | 20 | 12 | | Hz |
| *Time of Peak* | 1.233 | 1.175 | 0.729 | 0.674 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00075 | 0.00209 | 0.0220 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,08** | **0,06** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,16** | mm/s |

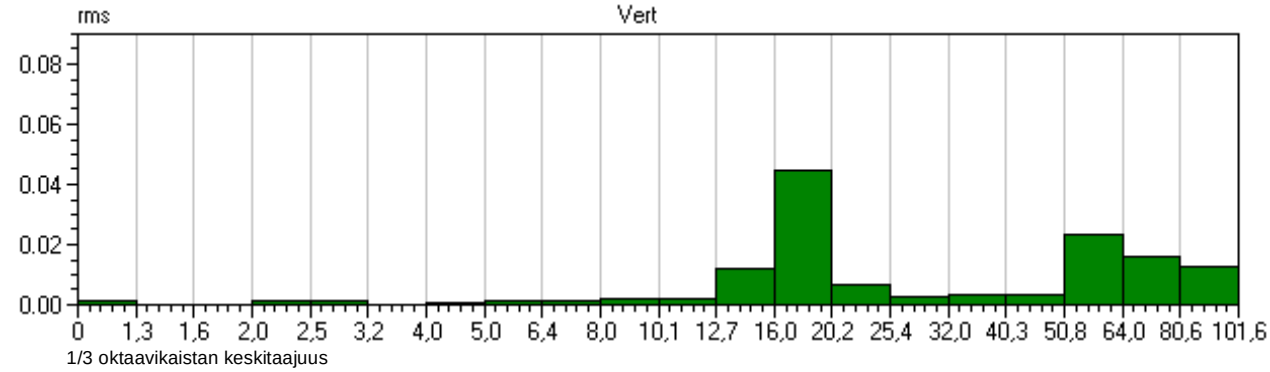


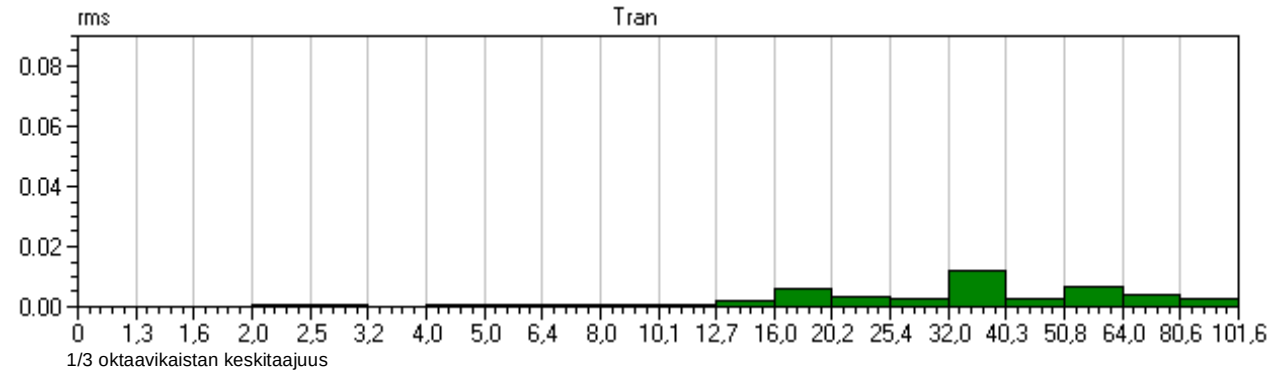
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:57** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 09:21:56 | *File Name:* | M630GD9O.OK0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.270 | 0.254 | 0.277 | mm/s |
| *Freq* | 37 | 20 | 12 | | Hz |
| *Time of Peak* | 1.233 | 1.175 | 0.729 | 0.674 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00075 | 0.00209 | 0.0220 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,08** | **0,06** | **0,10** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,12** | **0,16** | mm/s |



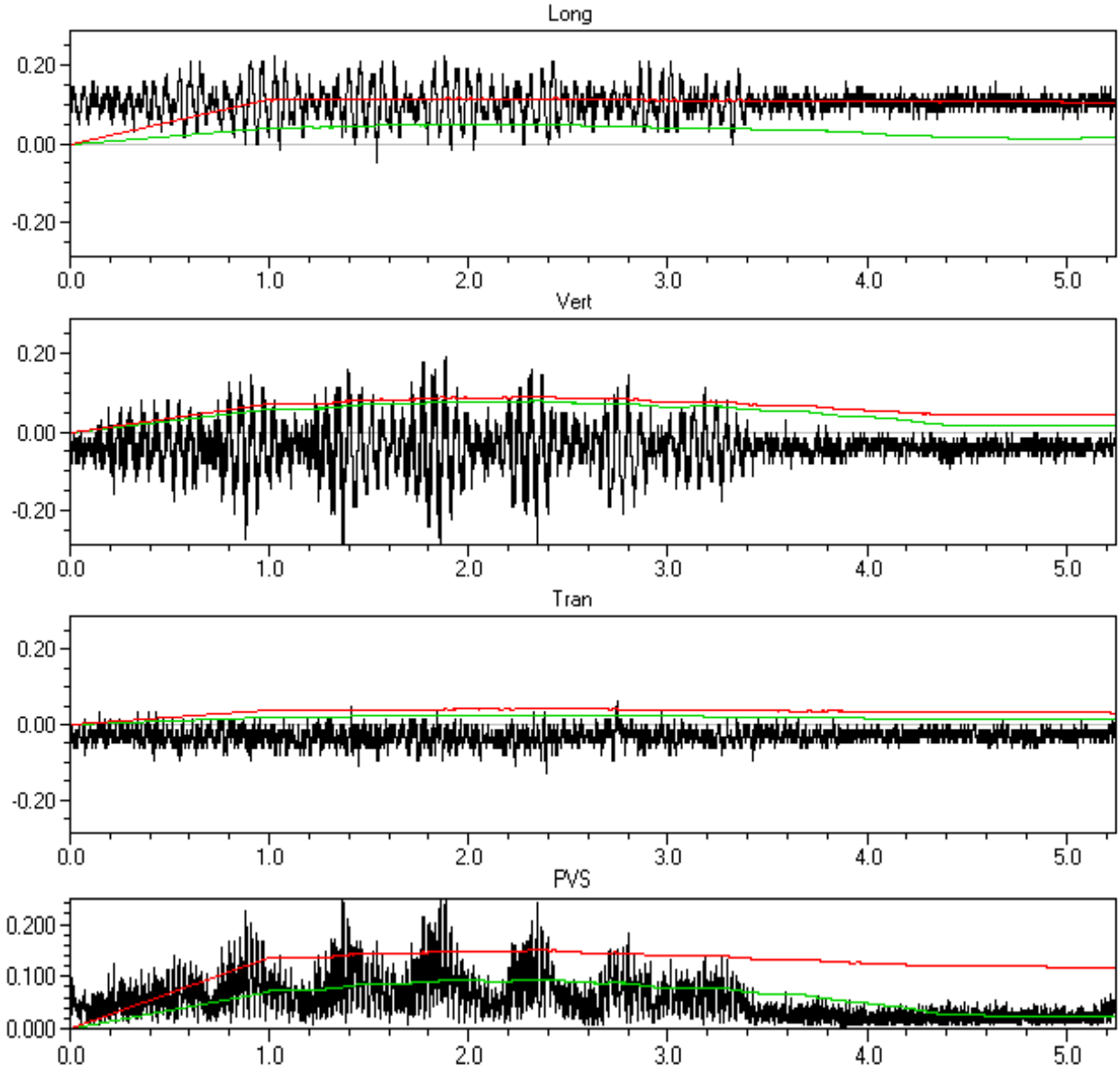



**BlastView RMS report. Generated: 19.5.2016 12:31:59** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 09:26:23 | *File Name:* | M630GD9O.VZ0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

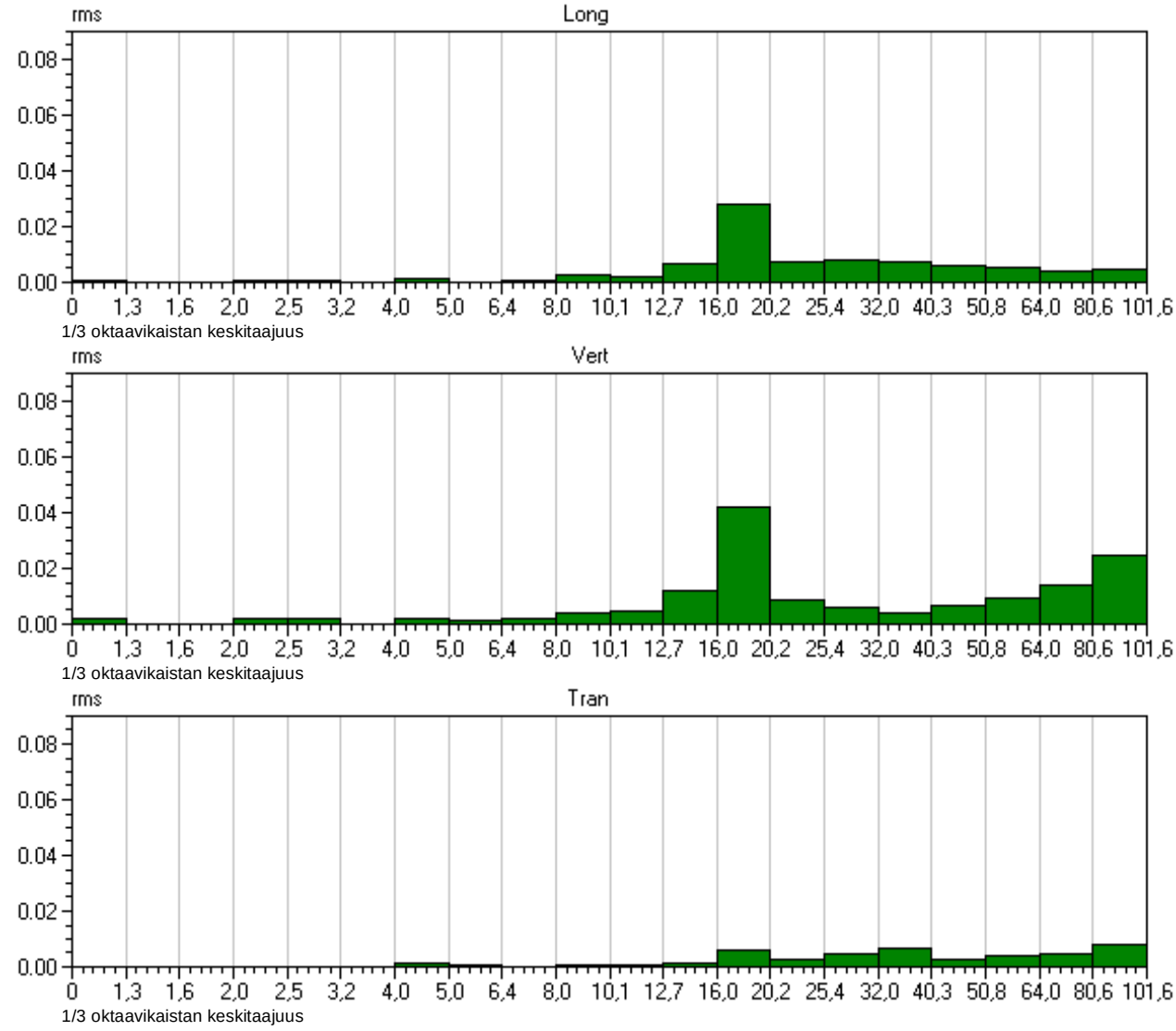
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.286 | 0.222 | 0.298 | mm/s |
| *Freq* | 26 | 23 | 10 | | Hz |
| *Time of Peak* | 2.138 | 1.118 | 0.776 | 1.119 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00065 | 0.00198 | 0.0445 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,05** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,11** | **0,15** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:59** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 09:26:23 | *File Name:* | M630GD9O.VZ0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

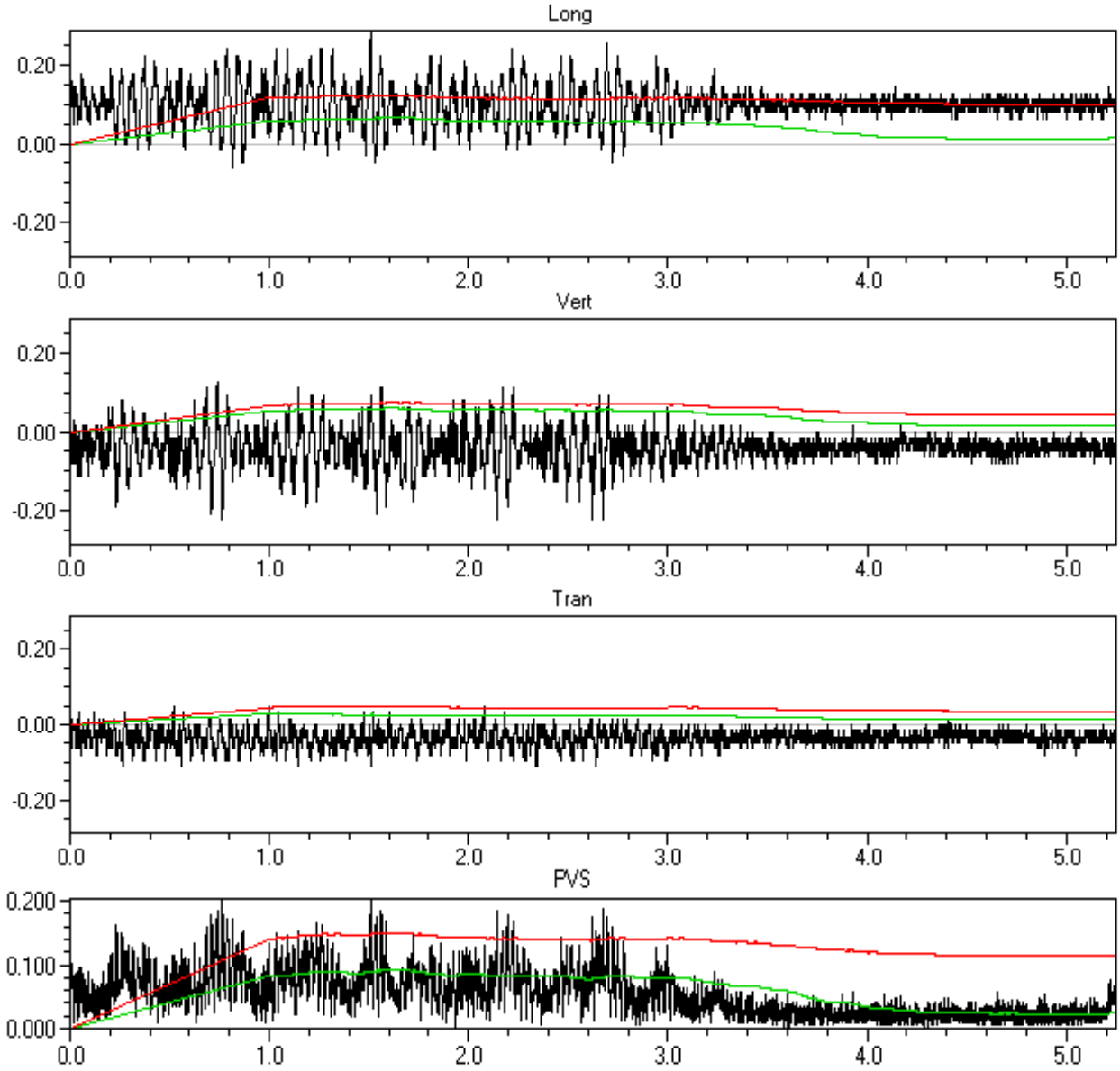
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.127 | 0.286 | 0.222 | 0.298 | mm/s |
| *Freq* | 26 | 23 | 10 | | Hz |
| *Time of Peak* | 2.138 | 1.118 | 0.776 | 1.119 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00065 | 0.00198 | 0.0445 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,08** | **0,05** | **0,09** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,11** | **0,15** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:31:44** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 17:16:22 | *File Name:* | M630GDAA.NA0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

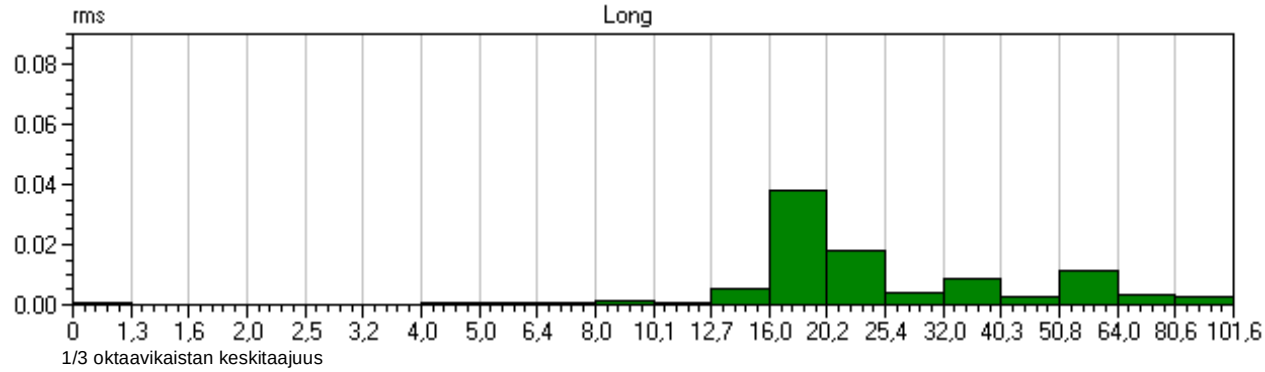
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.286 | 0.303 | mm/s |
| *Freq* | 27 | 20 | 12 | | Hz |
| *Time of Peak* | 0.013 | 0.511 | 1.257 | 1.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00116 | 0.00180 | 0.0115 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,06** | **0,07** | **0,09** | mm/s |
| *RMS (1s)* | **0,05** | **0,07** | **0,12** | **0,15** | mm/s |

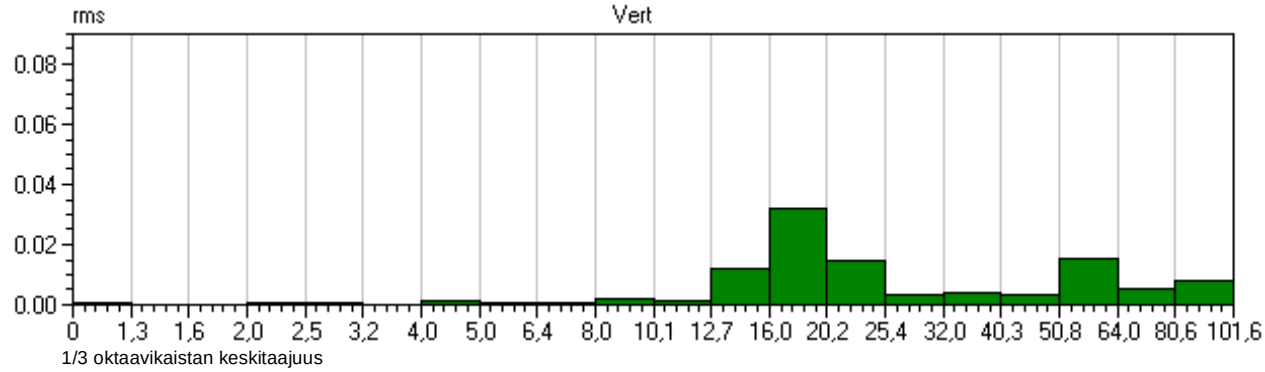


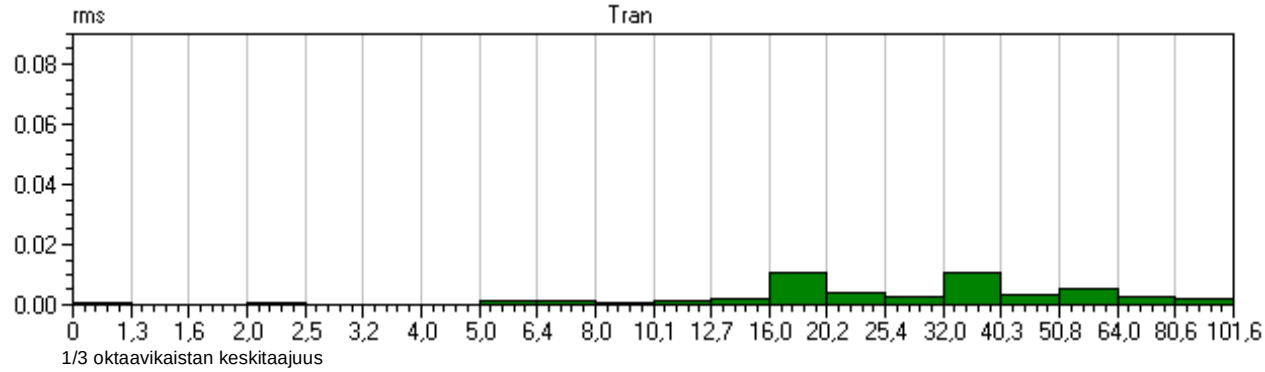
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:31:44** - **MP6**

| | | | |
|---|---|---|---|
| *Event Date:* | May 13, 2016 | *Serial Number:* | BE11630, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 17:16:22 | *File Name:* | M630GDAA.NA0 |
| *Location:* | Hollonranta, linja 3, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | March 19, 2012 by Instantel |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.286 | 0.303 | mm/s |
| *Freq* | 27 | 20 | 12 | | Hz |
| *Time of Peak* | 0.013 | 0.511 | 1.257 | 1.257 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00116 | 0.00180 | 0.0115 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,06** | **0,07** | **0,09** | mm/s |
| *RMS (1s)* | **0,05** | **0,07** | **0,12** | **0,15** | mm/s |



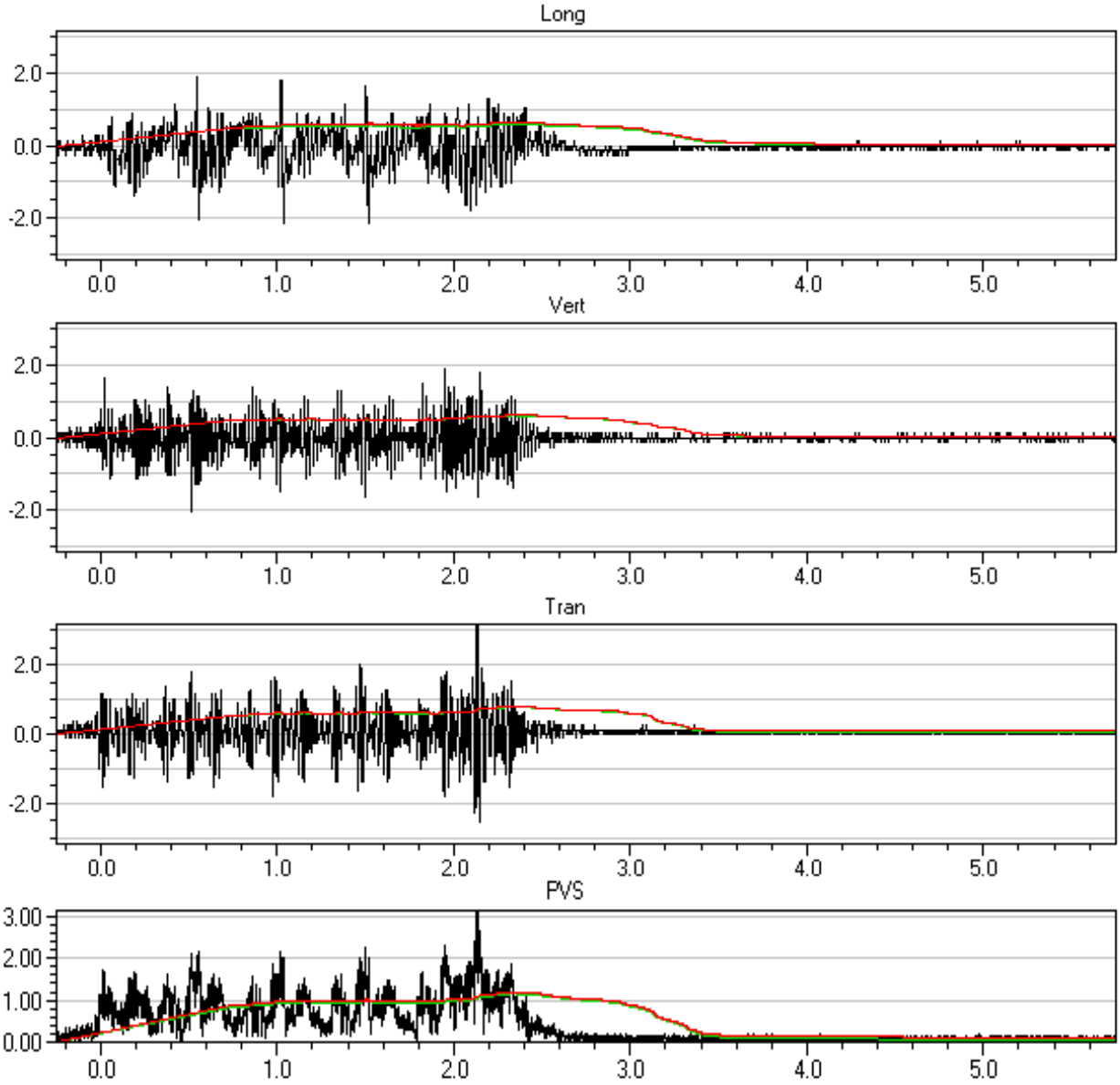



**BlastView RMS report. Generated: 19.5.2016 12:35:44** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:17:04 | *File Name:* | M026GD31.KG0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

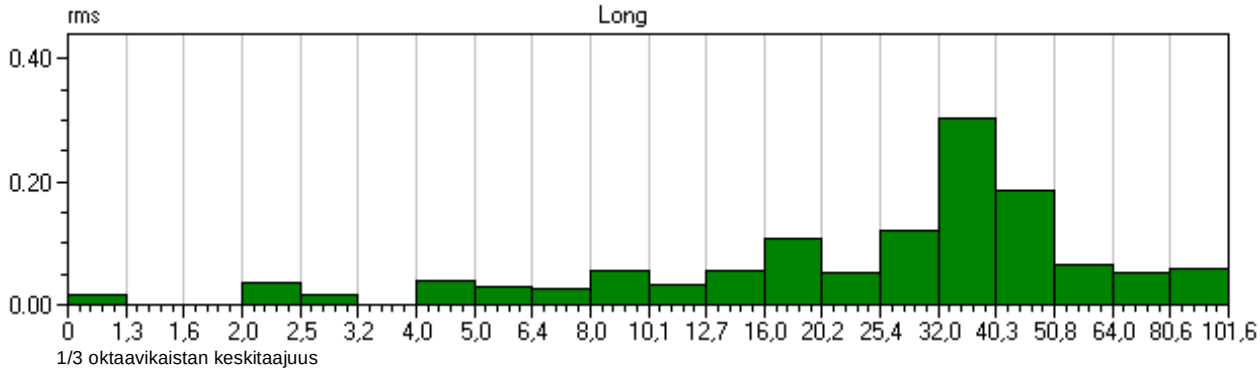
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.17 | 2.03 | 2.16 | 3.21 | mm/s |
| *Freq* | 39 | 64 | 27 | | Hz |
| *Time of Peak* | 2.132 | 0.516 | 1.036 | 2.132 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0795 | 0.0928 | | g |
| *Peak Displacement* | 0.0115 | 0.00639 | 0.0113 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,61** | **0,60** | **1,16** | mm/s |
| *RMS (1s)* | **0,79** | **0,62** | **0,65** | **1,19** | mm/s |

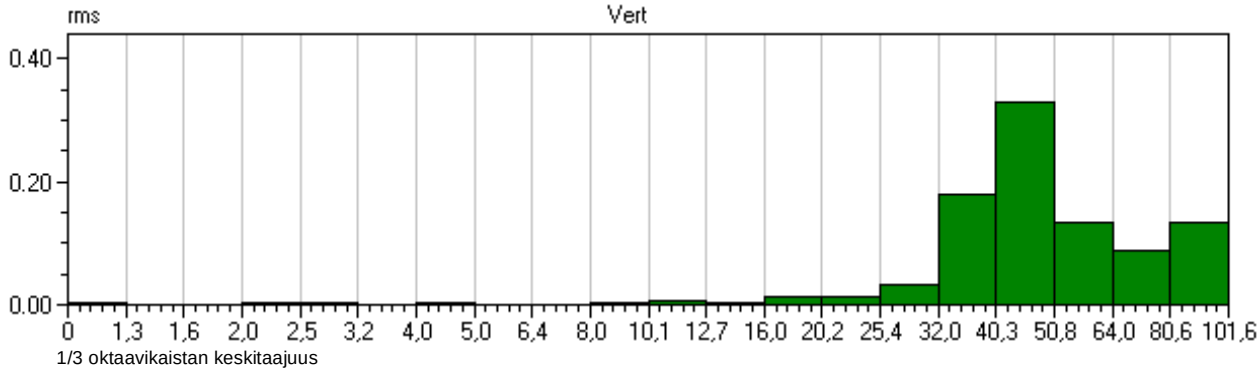


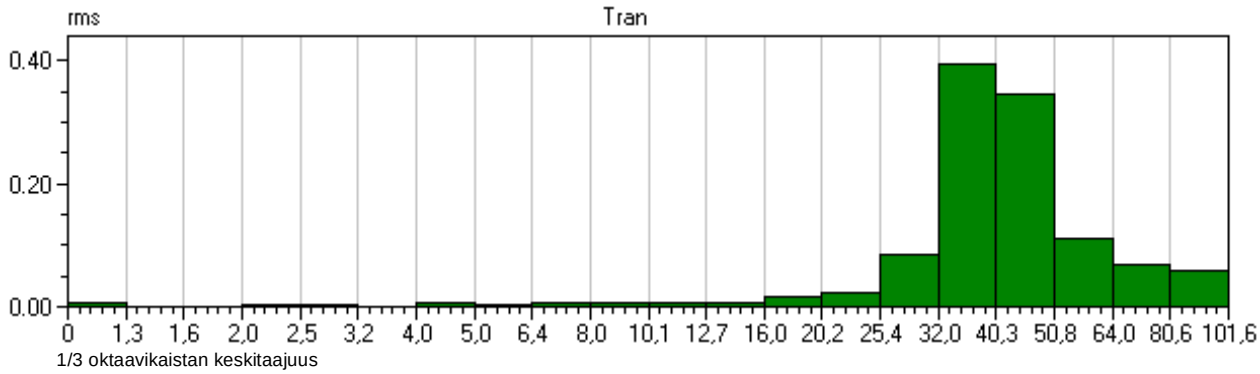
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:44** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:17:04 | *File Name:* | M026GD31.KG0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.17 | 2.03 | 2.16 | 3.21 | mm/s |
| *Freq* | 39 | 64 | 27 | | Hz |
| *Time of Peak* | 2.132 | 0.516 | 1.036 | 2.132 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0795 | 0.0928 | | g |
| *Peak Displacement* | 0.0115 | 0.00639 | 0.0113 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,61** | **0,60** | **1,16** | mm/s |
| *RMS (1s)* | **0,79** | **0,62** | **0,65** | **1,19** | mm/s |



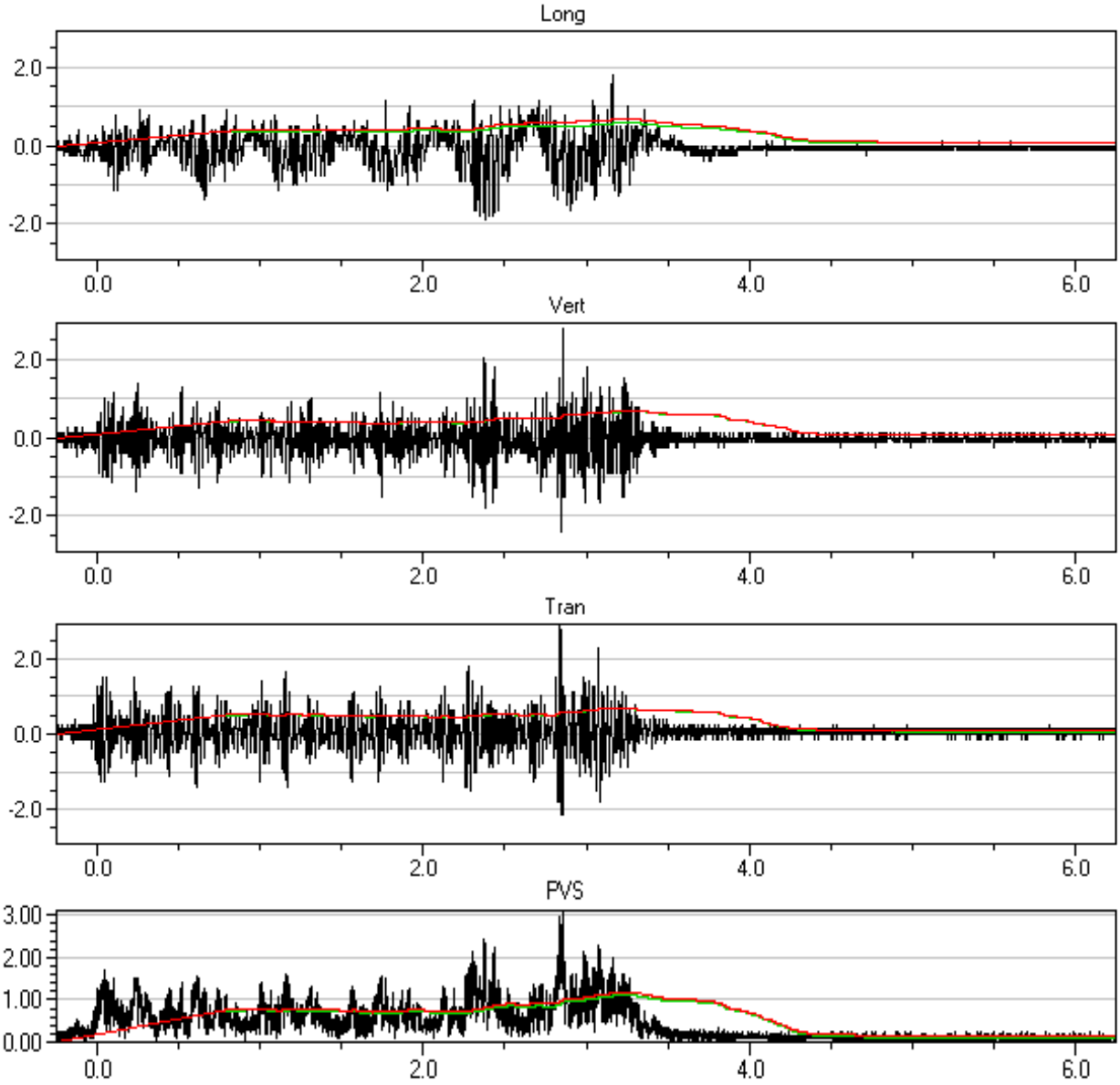



**BlastView RMS report. Generated: 19.5.2016 12:36:04** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:23:26 | *File Name:* | M026GD31.V20W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

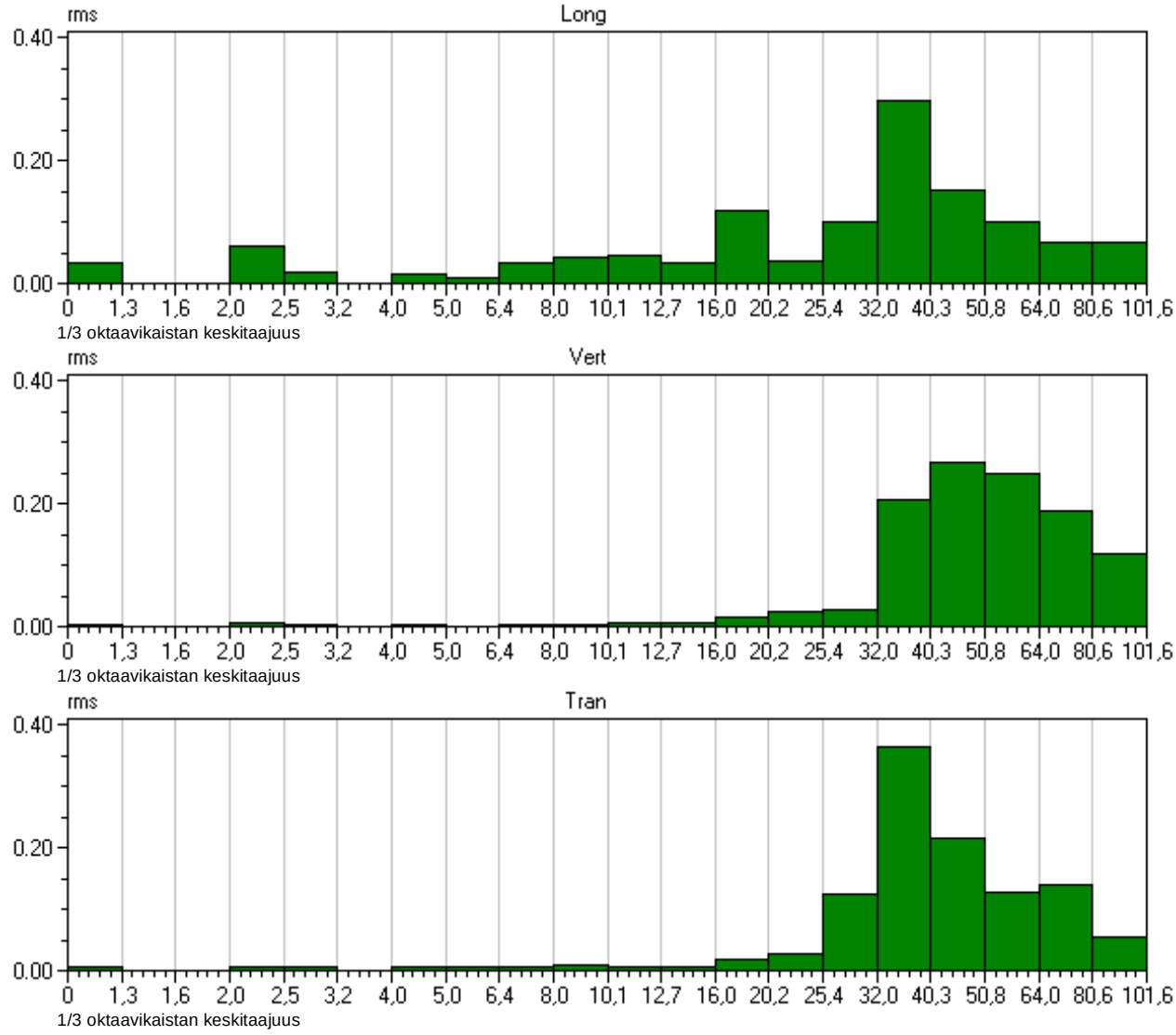
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.92 | 2.79 | 1.90 | 3.14 | mm/s |
| *Freq* | 43 | 51 | 20 | | Hz |
| *Time of Peak* | 2.840 | 2.854 | 2.377 | 2.854 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0928 | 0.106 | | g |
| *Peak Displacement* | 0.00936 | 0.00819 | 0.0271 | | mm |
| *RMS (1s fw 5.6)* | **0,69** | **0,68** | **0,58** | **1,13** | mm/s |
| *RMS (1s)* | **0,70** | **0,69** | **0,68** | **1,19** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:04** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:23:26 | *File Name:* | M026GD31.V20W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

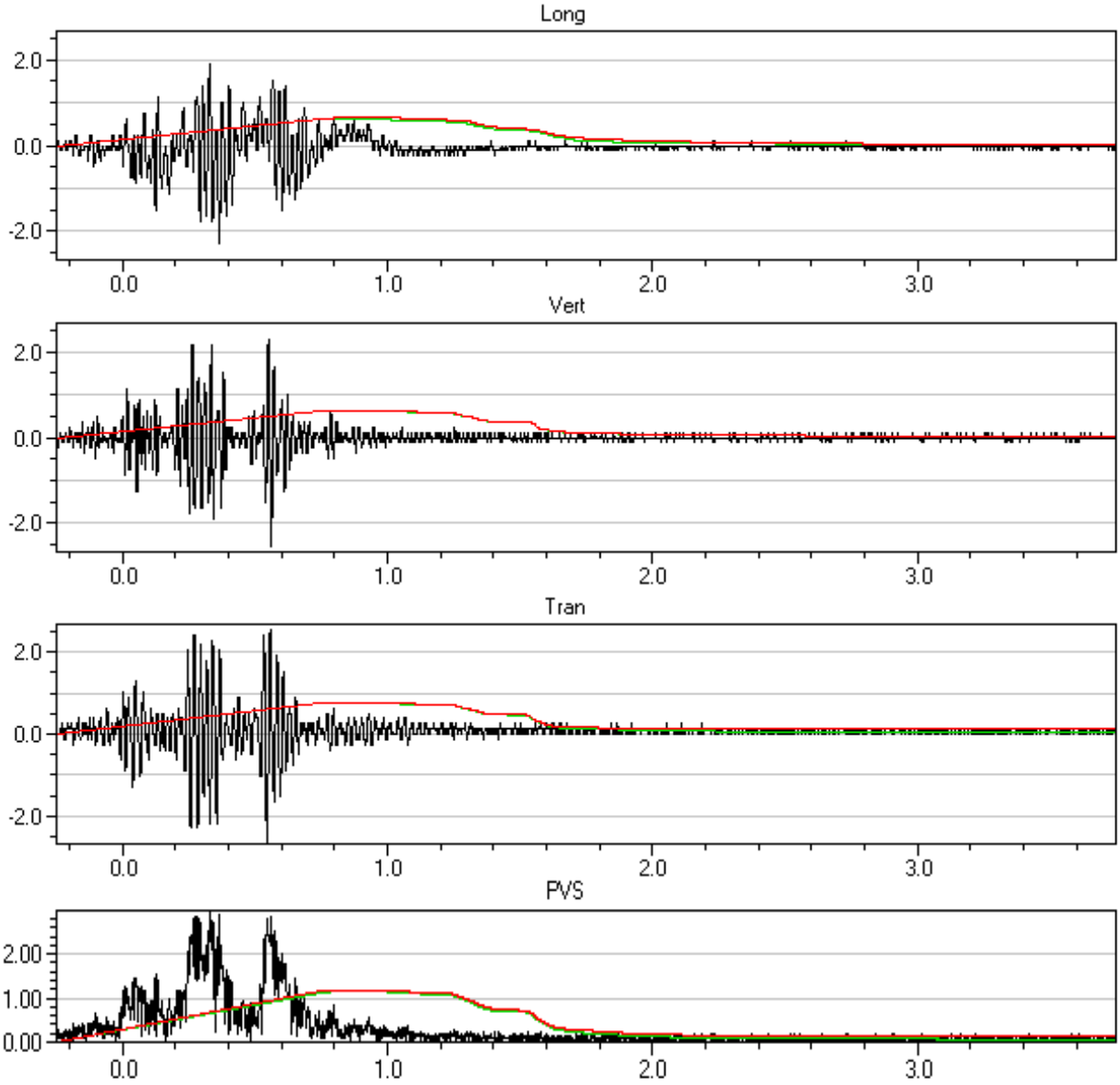
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.92 | 2.79 | 1.90 | 3.14 | mm/s |
| *Freq* | 43 | 51 | 20 | | Hz |
| *Time of Peak* | 2.840 | 2.854 | 2.377 | 2.854 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0928 | 0.106 | | g |
| *Peak Displacement* | 0.00936 | 0.00819 | 0.0271 | | mm |
| *RMS (1s fw 5.6)* | **0,69** | **0,68** | **0,58** | **1,13** | mm/s |
| *RMS (1s)* | **0,70** | **0,69** | **0,68** | **1,19** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:36:05** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 20:06:47 | *File Name:* | M026GD33.VB0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 3.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

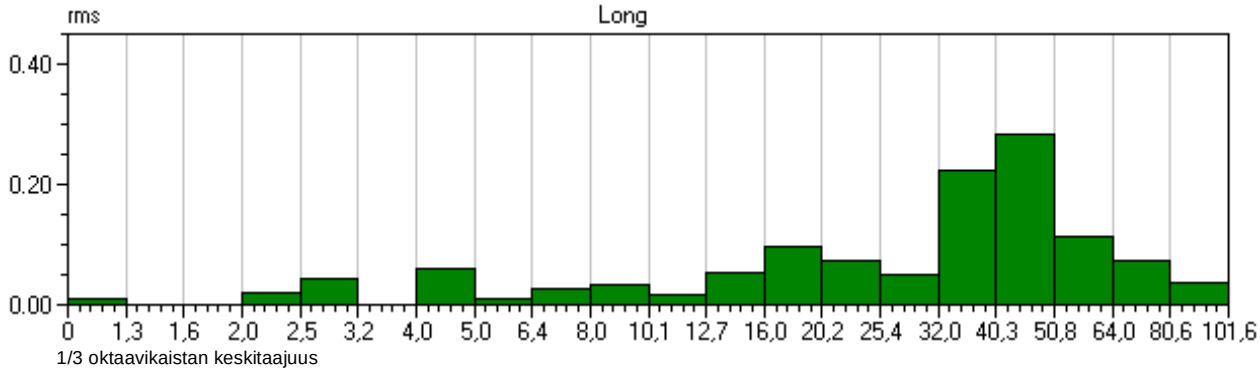
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 2.54 | 2.29 | 3.10 | mm/s |
| *Freq* | 43 | 47 | 43 | | Hz |
| *Time of Peak* | 0.544 | 0.560 | 0.363 | 0.364 | Sec |
| *Peak Acceleration* | 0.0795 | 0.106 | 0.106 | | g |
| *Peak Displacement* | 0.00986 | 0.00831 | 0.00992 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,62** | **0,60** | **1,15** | mm/s |
| *RMS (1s)* | **0,77** | **0,63** | **0,65** | **1,18** | mm/s |

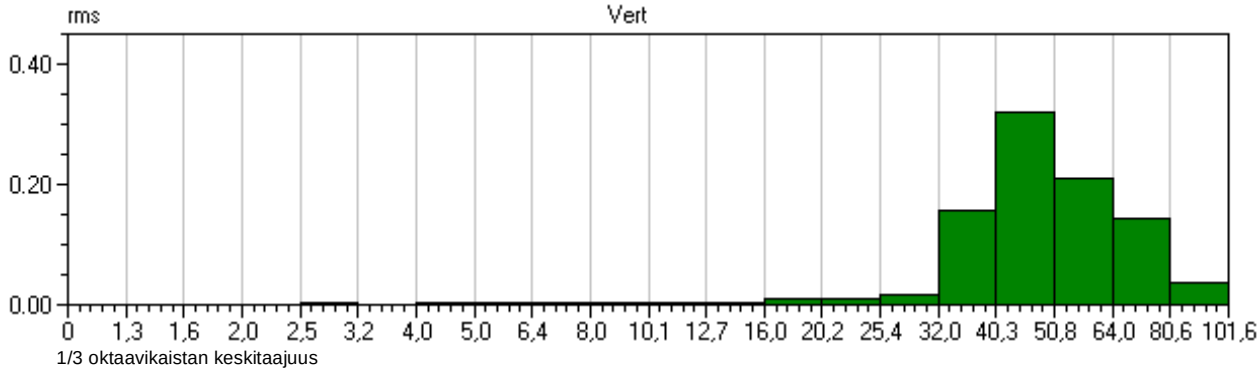


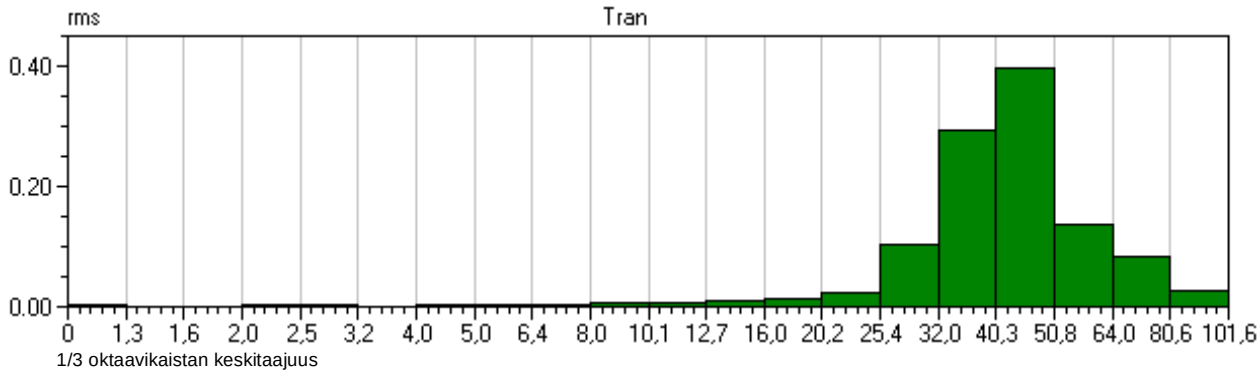
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:06** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 20:06:47 | *File Name:* | M026GD33.VB0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 3.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 2.54 | 2.29 | 3.10 | mm/s |
| *Freq* | 43 | 47 | 43 | | Hz |
| *Time of Peak* | 0.544 | 0.560 | 0.363 | 0.364 | Sec |
| *Peak Acceleration* | 0.0795 | 0.106 | 0.106 | | g |
| *Peak Displacement* | 0.00986 | 0.00831 | 0.00992 | | mm |
| *RMS (1s fw 5.6)* | **0,75** | **0,62** | **0,60** | **1,15** | mm/s |
| *RMS (1s)* | **0,77** | **0,63** | **0,65** | **1,18** | mm/s |



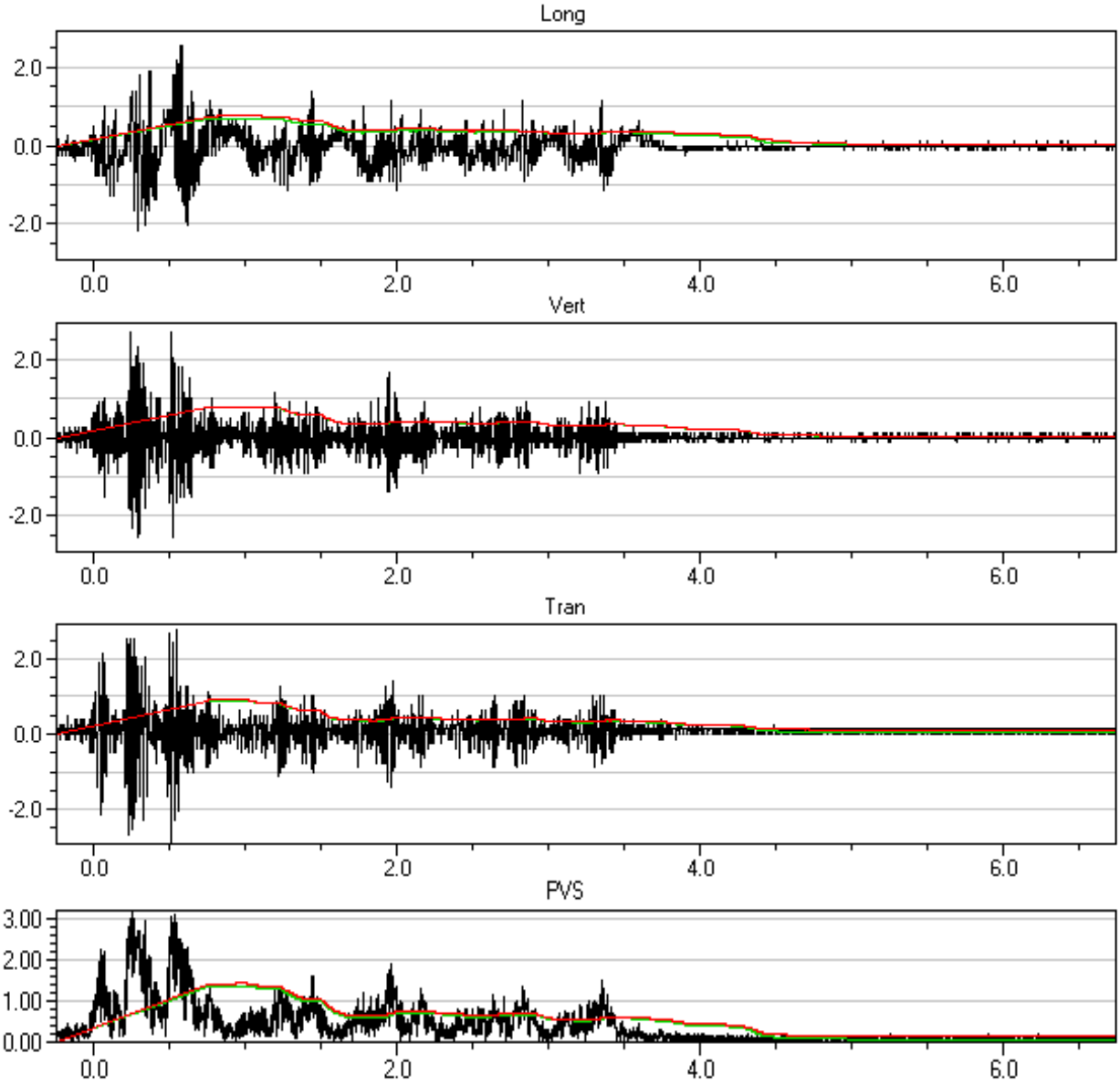



**BlastView RMS report. Generated: 19.5.2016 12:36:07** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 21:22:14 | *File Name:* | M026GD37.D20W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

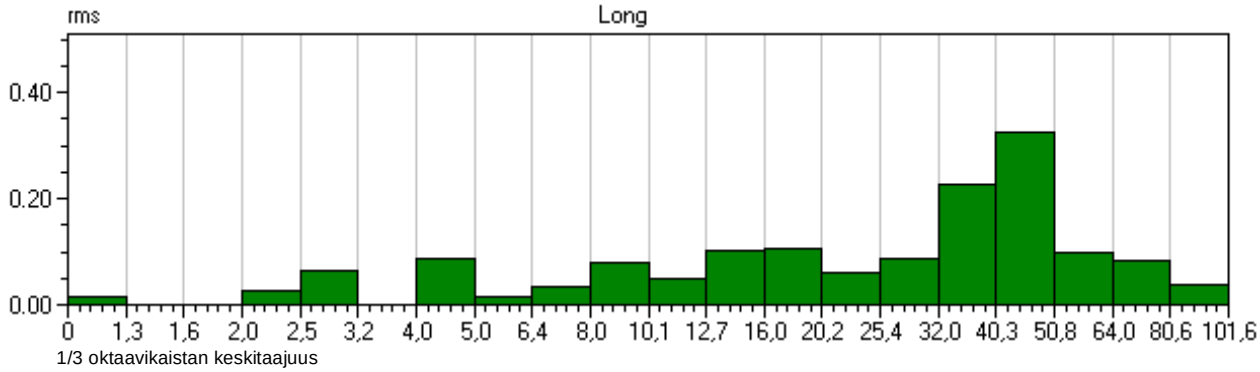
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.92 | 2.67 | 2.54 | 3.16 | mm/s |
| *Freq* | 47 | 51 | 30 | | Hz |
| *Time of Peak* | 0.504 | 0.235 | 0.573 | 0.336 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0928 | 0.0928 | | g |
| *Peak Displacement* | 0.0105 | 0.00868 | 0.0260 | | mm |
| *RMS (1s fw 5.6)* | **0,90** | **0,77** | **0,68** | **1,37** | mm/s |
| *RMS (1s)* | **0,91** | **0,78** | **0,76** | **1,42** | mm/s |

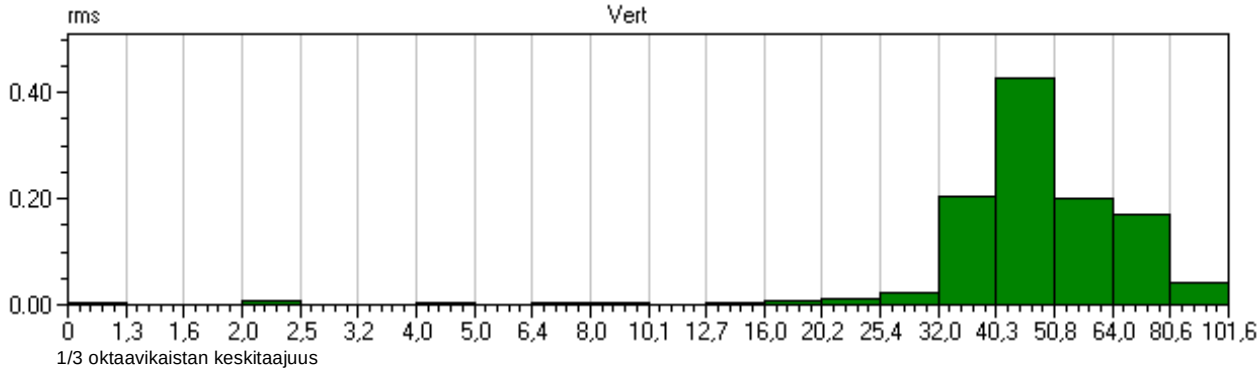


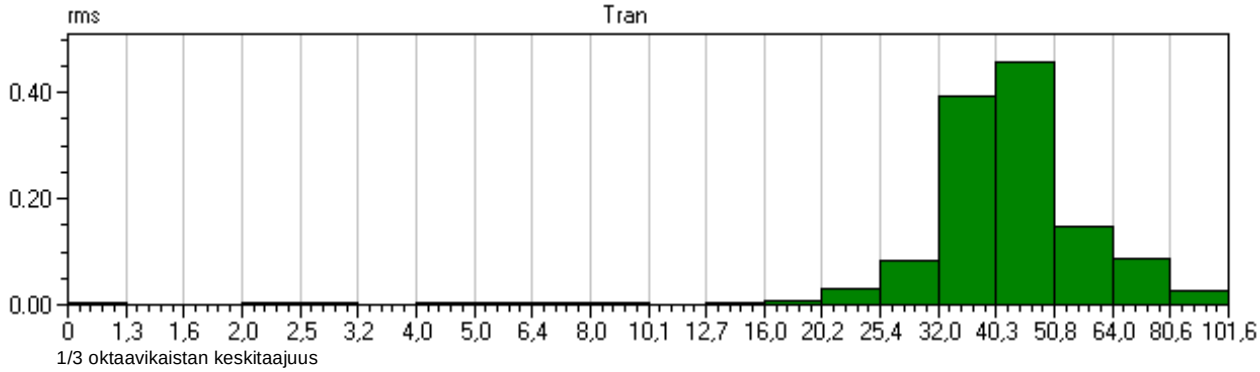
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:07** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 21:22:14 | *File Name:* | M026GD37.D20W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 6.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.92 | 2.67 | 2.54 | 3.16 | mm/s |
| *Freq* | 47 | 51 | 30 | | Hz |
| *Time of Peak* | 0.504 | 0.235 | 0.573 | 0.336 | Sec |
| *Peak Acceleration* | 0.0928 | 0.0928 | 0.0928 | | g |
| *Peak Displacement* | 0.0105 | 0.00868 | 0.0260 | | mm |
| *RMS (1s fw 5.6)* | **0,90** | **0,77** | **0,68** | **1,37** | mm/s |
| *RMS (1s)* | **0,91** | **0,78** | **0,76** | **1,42** | mm/s |



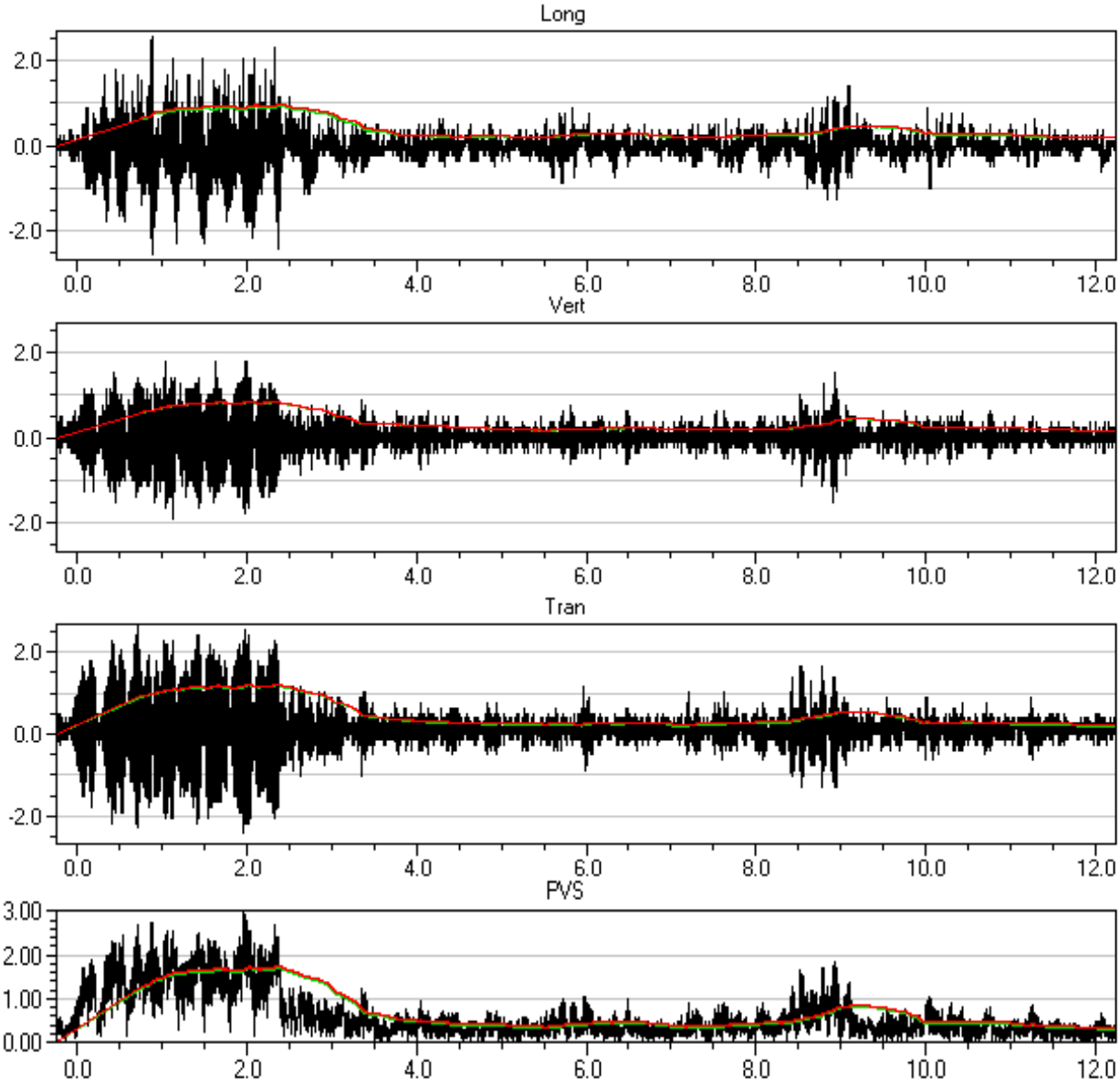



**BlastView RMS report. Generated: 19.5.2016 12:36:10** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 23:33:39 | *File Name:* | M026GD3D.G30W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 12.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

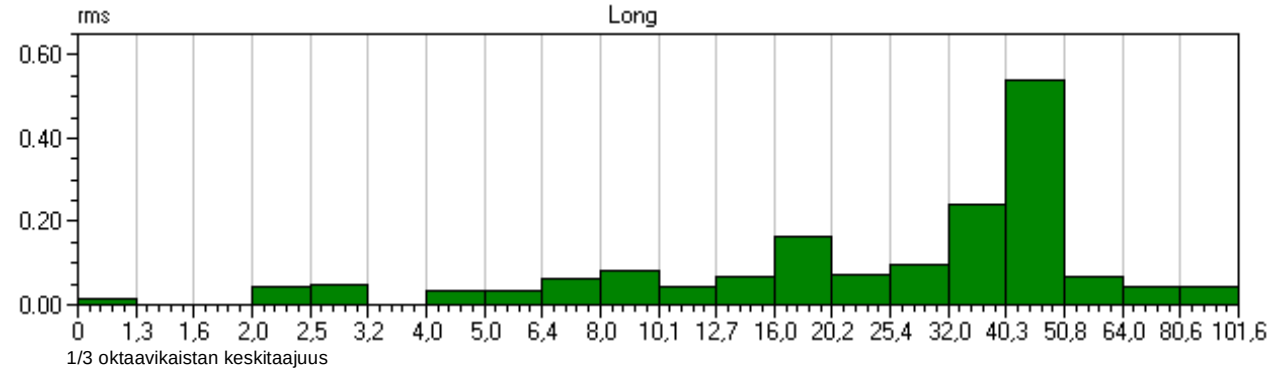
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 1.90 | 2.54 | 3.14 | mm/s |
| *Freq* | 37 | 47 | 32 | | Hz |
| *Time of Peak* | 0.699 | 1.123 | 0.873 | 1.974 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0663 | 0.159 | | g |
| *Peak Displacement* | 0.0109 | 0.00670 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **1,19** | **0,83** | **0,92** | **1,71** | mm/s |
| *RMS (1s)* | **1,20** | **0,84** | **0,97** | **1,75** | mm/s |

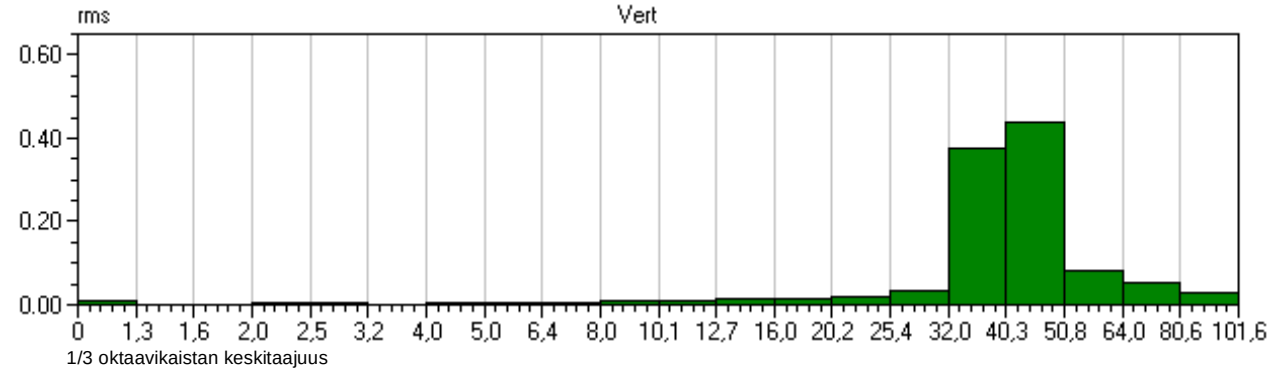


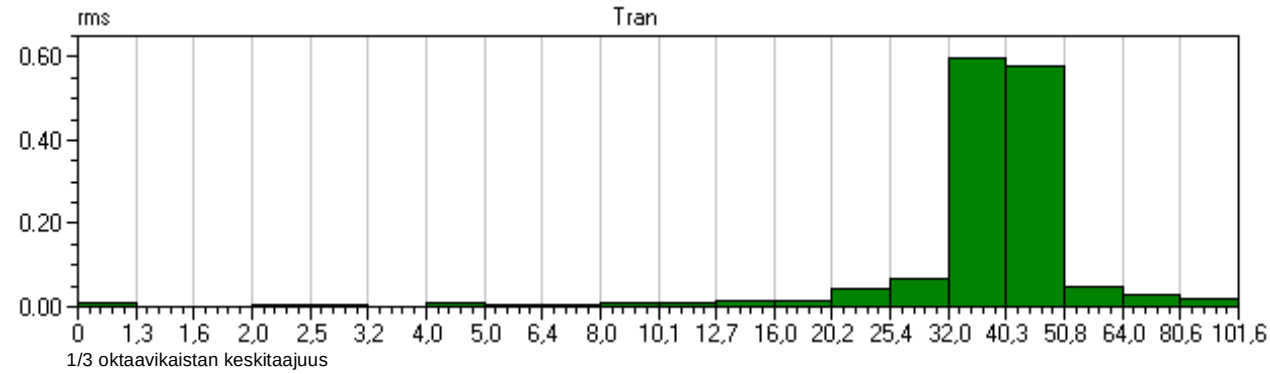
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:10** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 9, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 23:33:39 | *File Name:* | M026GD3D.G30W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 12.25 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.67 | 1.90 | 2.54 | 3.14 | mm/s |
| *Freq* | 37 | 47 | 32 | | Hz |
| *Time of Peak* | 0.699 | 1.123 | 0.873 | 1.974 | Sec |
| *Peak Acceleration* | 0.0663 | 0.0663 | 0.159 | | g |
| *Peak Displacement* | 0.0109 | 0.00670 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **1,19** | **0,83** | **0,92** | **1,71** | mm/s |
| *RMS (1s)* | **1,20** | **0,84** | **0,97** | **1,75** | mm/s |



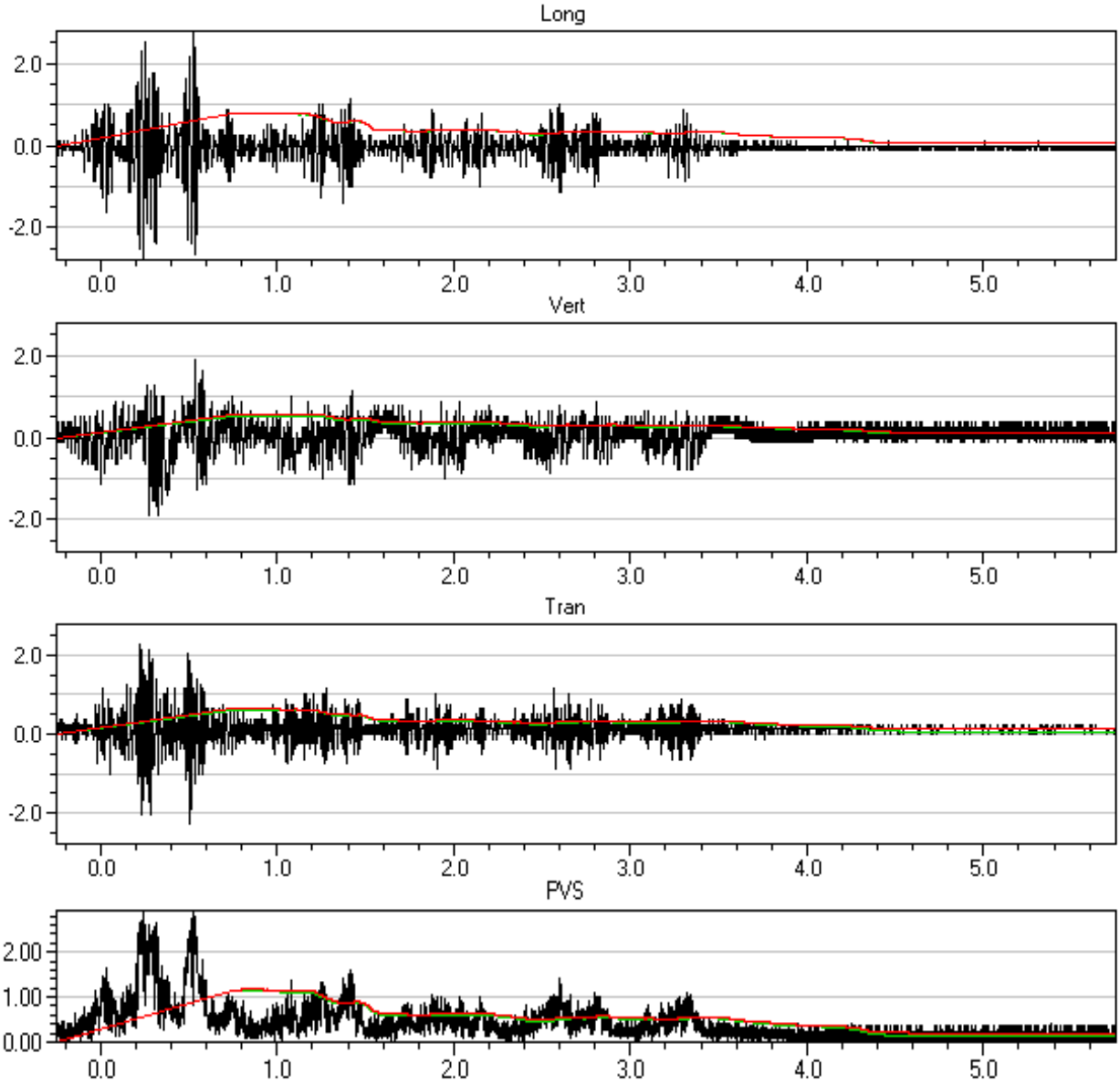



**BlastView RMS report. Generated: 19.5.2016 12:35:46** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 12:43:11 | *File Name:* | M026GD4D.ZZ0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

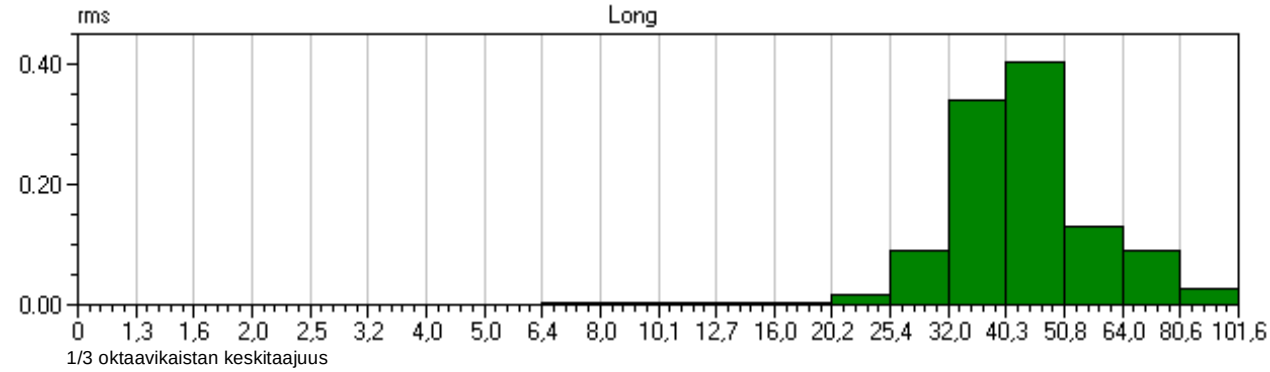
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.29 | 1.90 | 2.79 | 3.03 | mm/s |
| *Freq* | 51 | 43 | 43 | | Hz |
| *Time of Peak* | 0.224 | 0.273 | 0.242 | 0.244 | Sec |
| *Peak Acceleration* | 0.0795 | 0.106 | 0.0795 | | g |
| *Peak Displacement* | 0.00701 | 0.0150 | 0.0102 | | mm |
| *RMS (1s fw 5.6)* | **0,62** | **0,52** | **0,79** | **1,13** | mm/s |
| *RMS (1s)* | **0,63** | **0,57** | **0,80** | **1,17** | mm/s |

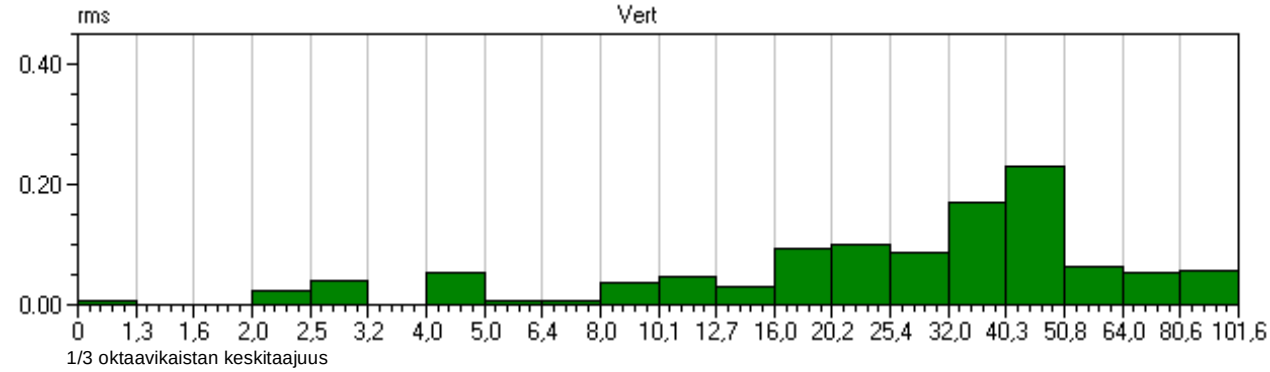


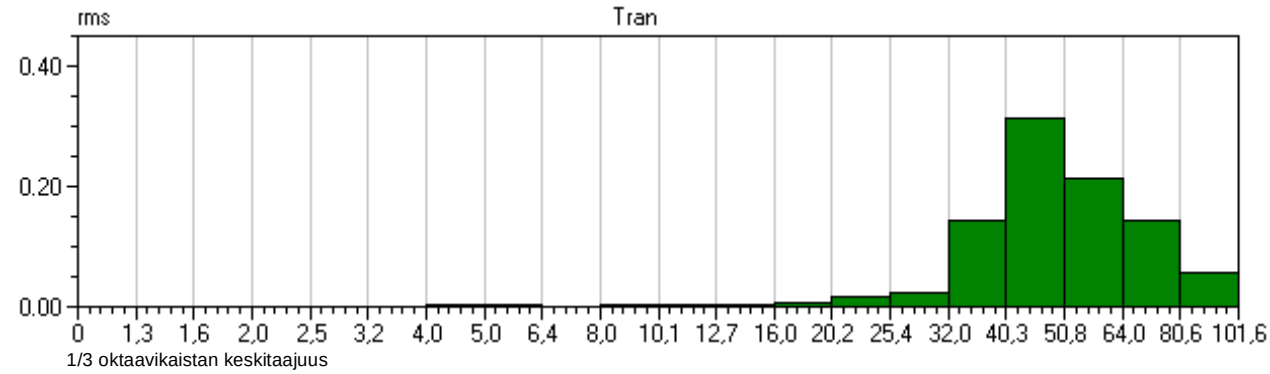
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:46** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 10, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 12:43:11 | *File Name:* | M026GD4D.ZZ0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.75 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.29 | 1.90 | 2.79 | 3.03 | mm/s |
| *Freq* | 51 | 43 | 43 | | Hz |
| *Time of Peak* | 0.224 | 0.273 | 0.242 | 0.244 | Sec |
| *Peak Acceleration* | 0.0795 | 0.106 | 0.0795 | | g |
| *Peak Displacement* | 0.00701 | 0.0150 | 0.0102 | | mm |
| *RMS (1s fw 5.6)* | **0,62** | **0,52** | **0,79** | **1,13** | mm/s |
| *RMS (1s)* | **0,63** | **0,57** | **0,80** | **1,17** | mm/s |



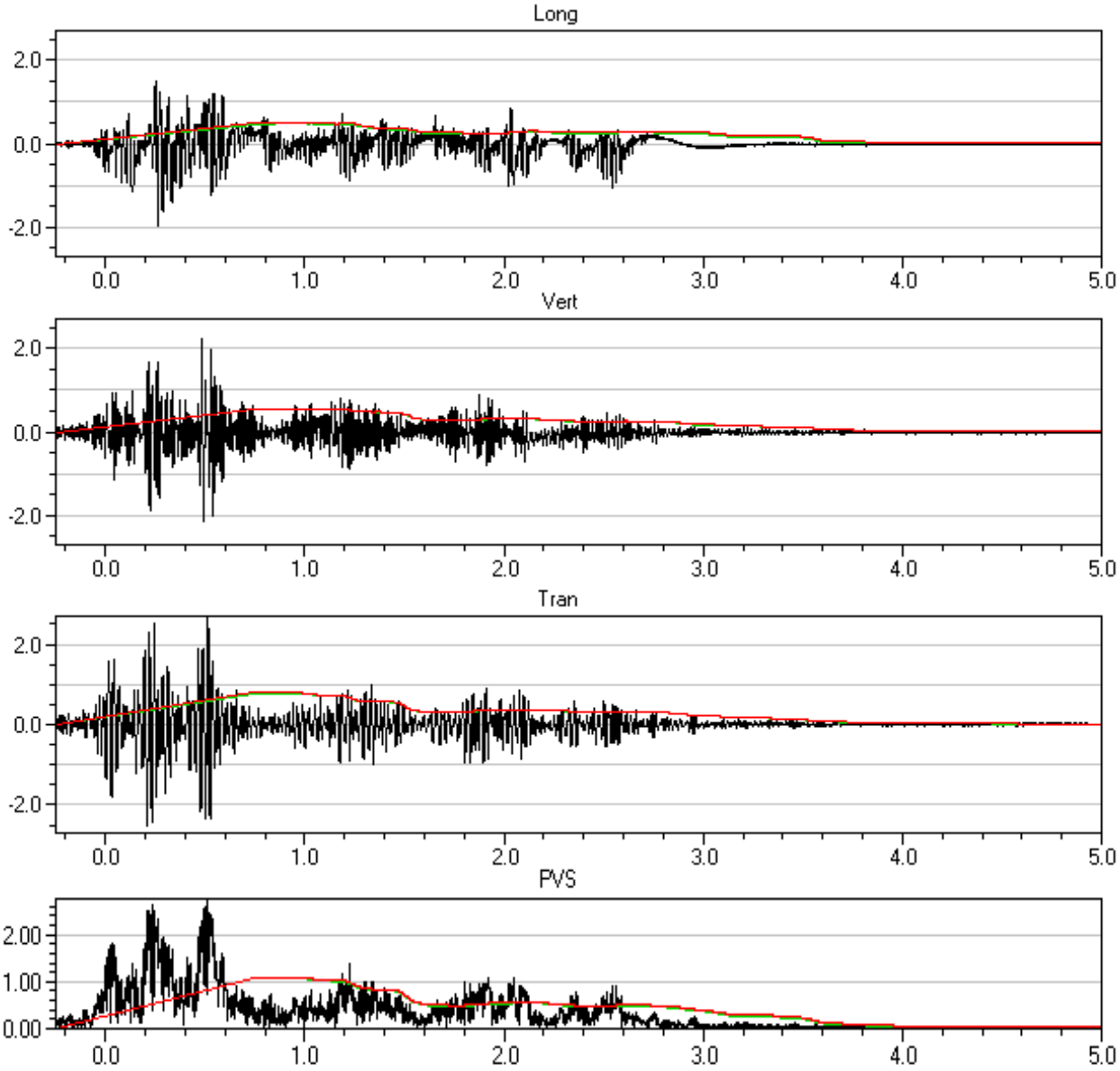



**BlastView RMS report. Generated: 19.5.2016 12:35:48** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:21:36 | *File Name:* | M026GD62.400W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

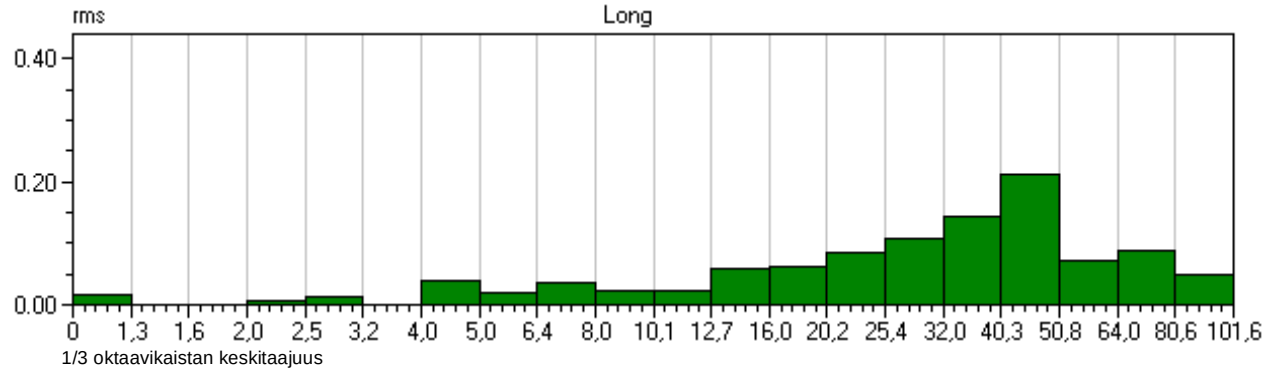
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.70 | 2.24 | 1.95 | 2.84 | mm/s |
| *Freq* | 47 | 57 | 51 | | Hz |
| *Time of Peak* | 0.513 | 0.481 | 0.262 | 0.513 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0696 | 0.101 | | g |
| *Peak Displacement* | 0.00947 | 0.00626 | 0.0115 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,55** | **0,48** | **1,07** | mm/s |
| *RMS (1s)* | **0,79** | **0,56** | **0,51** | **1,09** | mm/s |

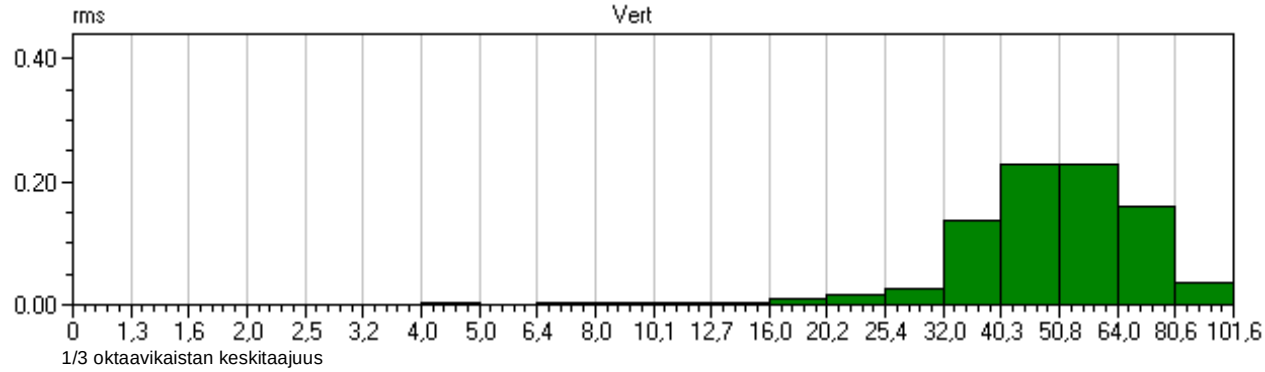


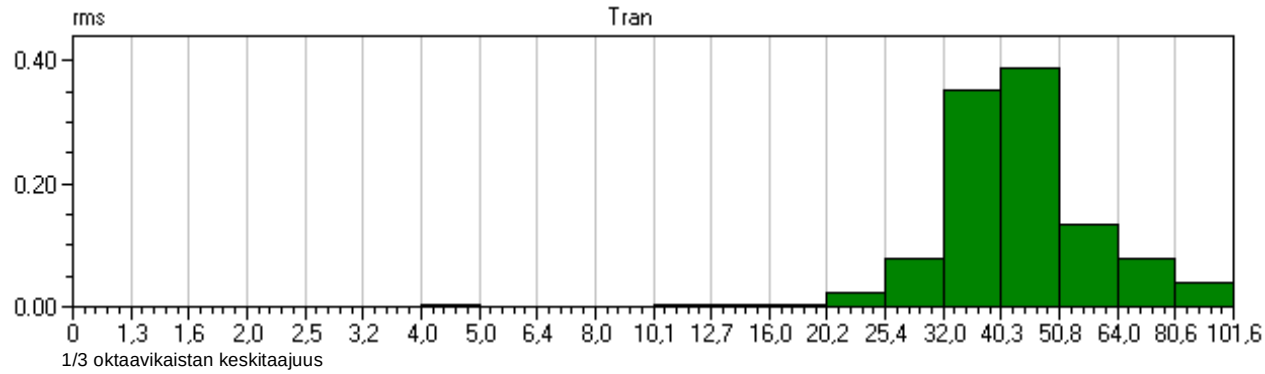
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:48** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:21:36 | *File Name:* | M026GD62.400W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.70 | 2.24 | 1.95 | 2.84 | mm/s |
| *Freq* | 47 | 57 | 51 | | Hz |
| *Time of Peak* | 0.513 | 0.481 | 0.262 | 0.513 | Sec |
| *Peak Acceleration* | 0.0795 | 0.0696 | 0.101 | | g |
| *Peak Displacement* | 0.00947 | 0.00626 | 0.0115 | | mm |
| *RMS (1s fw 5.6)* | **0,78** | **0,55** | **0,48** | **1,07** | mm/s |
| *RMS (1s)* | **0,79** | **0,56** | **0,51** | **1,09** | mm/s |



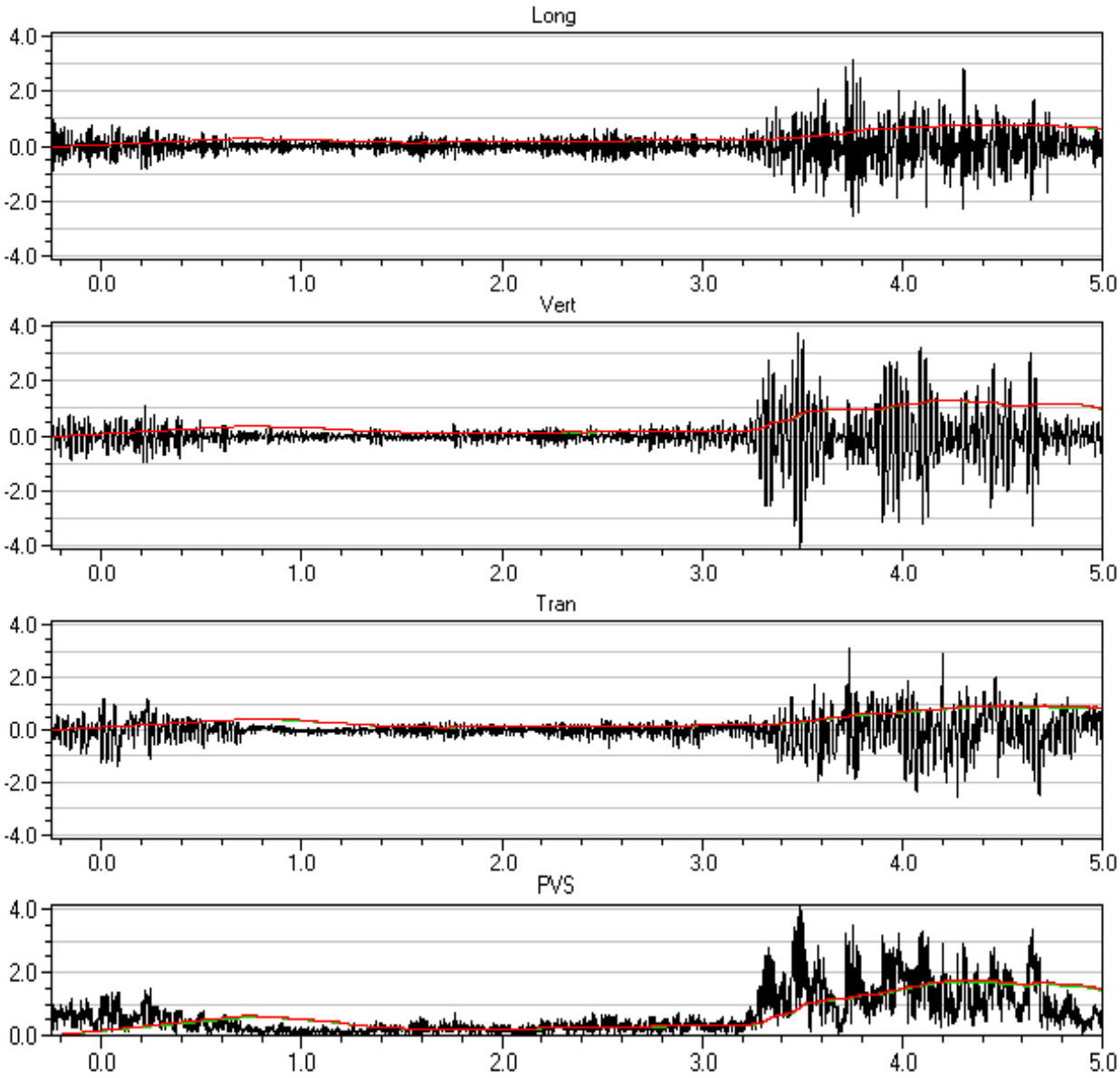



**BlastView RMS report. Generated: 19.5.2016 12:35:50** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:10 | *File Name:* | M026GD62.SA0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

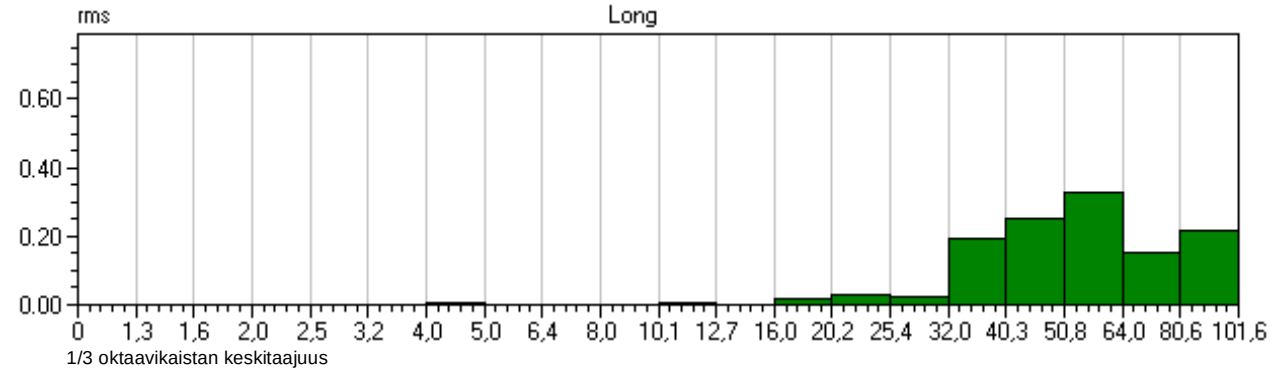
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.14 | 4.16 | 3.14 | 4.23 | mm/s |
| *Freq* | 51 | 39 | 85 | | Hz |
| *Time of Peak* | 3.734 | 3.490 | 3.754 | 3.490 | Sec |
| *Peak Acceleration* | 0.204 | 0.0978 | 0.194 | | g |
| *Peak Displacement* | 0.0164 | 0.0165 | 0.00677 | | mm |
| *RMS (1s fw 5.6)* | **0,89** | **1,28** | **0,79** | **1,72** | mm/s |
| *RMS (1s)* | **0,94** | **1,30** | **0,80** | **1,75** | mm/s |

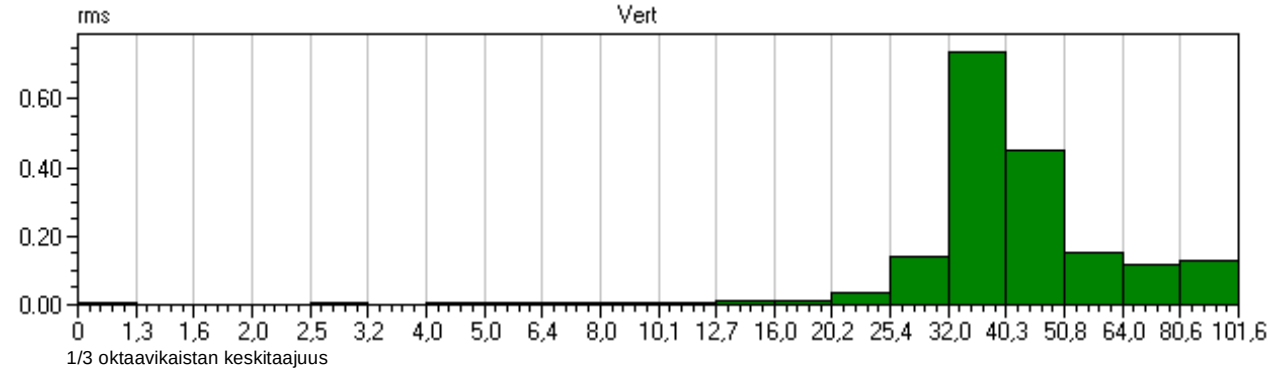


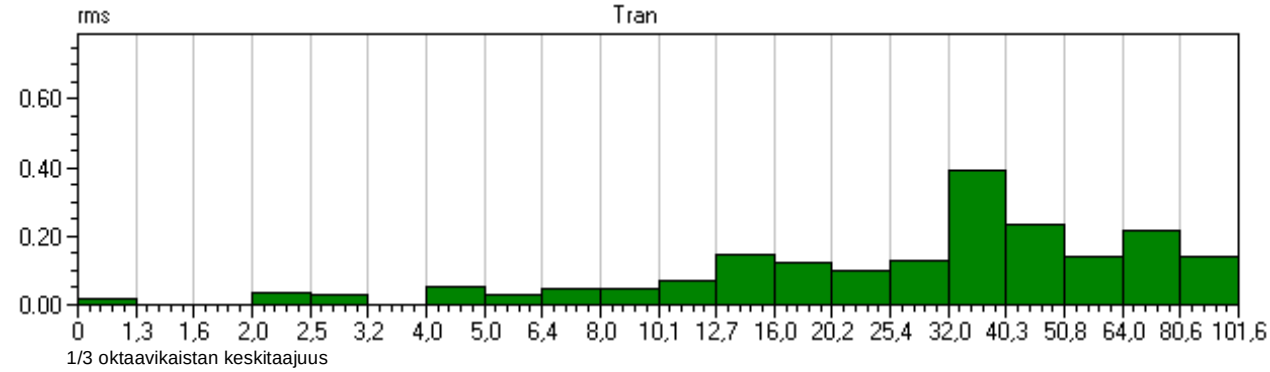
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:50** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:10 | *File Name:* | M026GD62.SA0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.14 | 4.16 | 3.14 | 4.23 | mm/s |
| *Freq* | 51 | 39 | 85 | | Hz |
| *Time of Peak* | 3.734 | 3.490 | 3.754 | 3.490 | Sec |
| *Peak Acceleration* | 0.204 | 0.0978 | 0.194 | | g |
| *Peak Displacement* | 0.0164 | 0.0165 | 0.00677 | | mm |
| *RMS (1s fw 5.6)* | **0,89** | **1,28** | **0,79** | **1,72** | mm/s |
| *RMS (1s)* | **0,94** | **1,30** | **0,80** | **1,75** | mm/s |



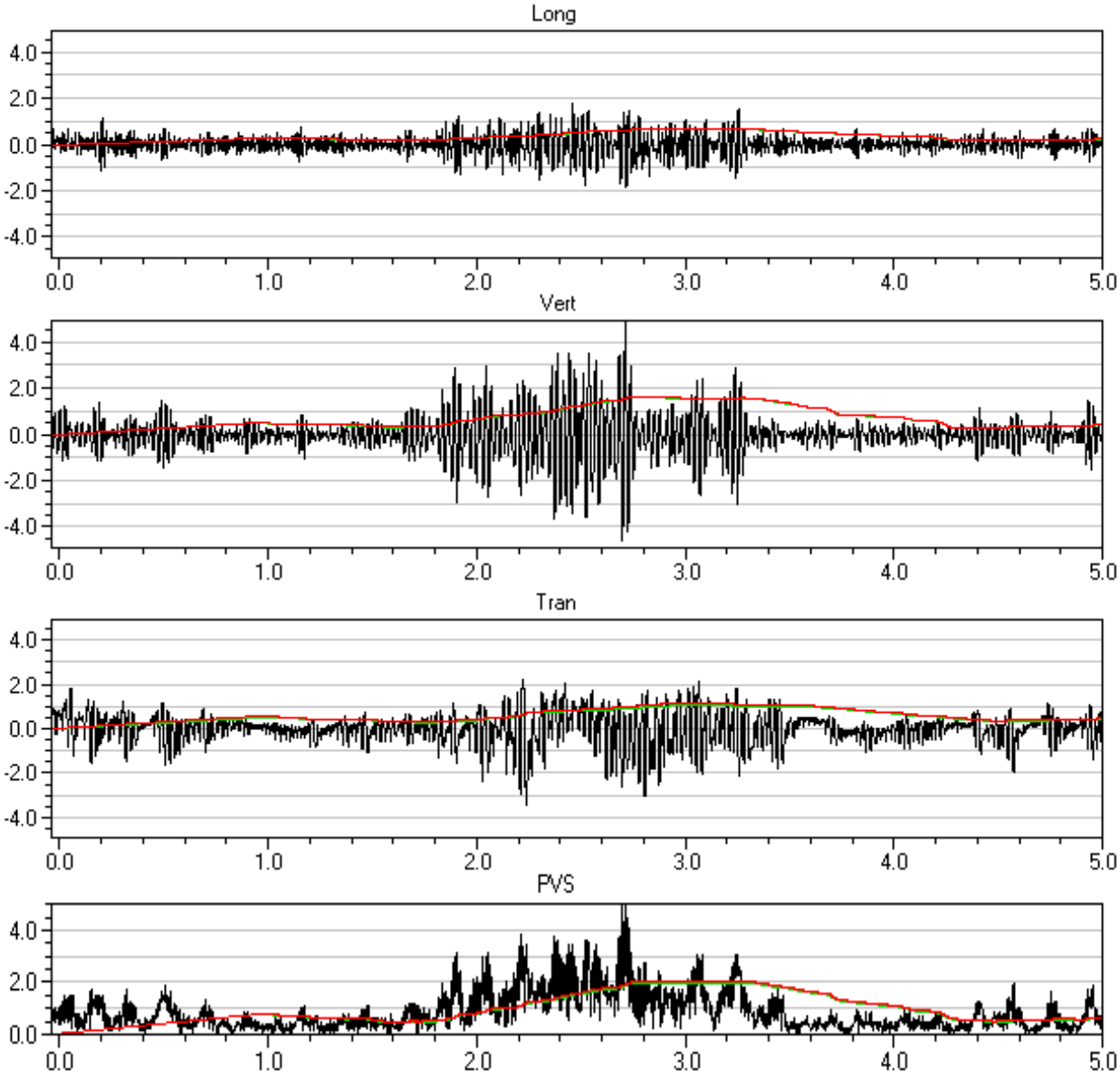



**BlastView RMS report. Generated: 19.5.2016 12:35:51** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:21 | *File Name:* | M026GD62.SL0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

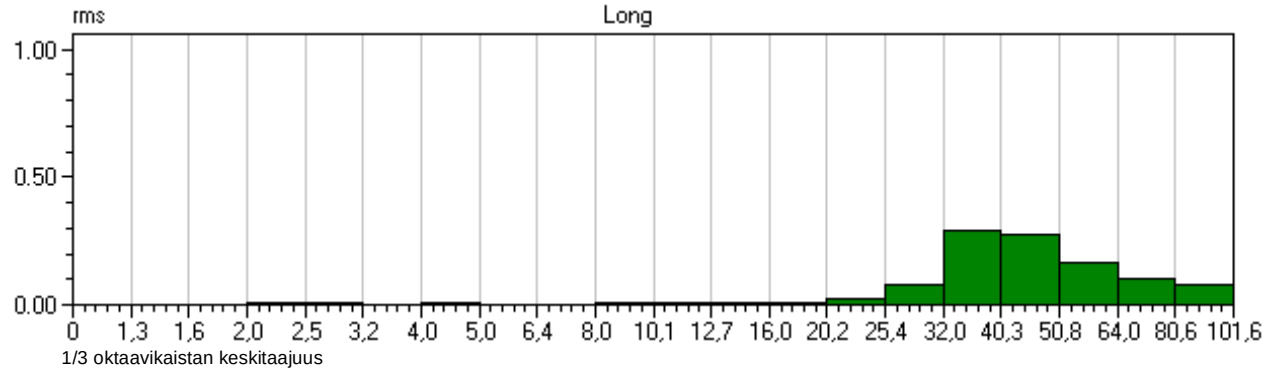
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.44 | 4.91 | 1.86 | 5.27 | mm/s |
| *Freq* | 13 | 37 | 43 | | Hz |
| *Time of Peak* | 2.235 | 2.712 | 2.717 | 2.697 | Sec |
| *Peak Acceleration* | 0.164 | 0.116 | 0.0829 | | g |
| *Peak Displacement* | 0.0320 | 0.0206 | 0.00723 | | mm |
| *RMS (1s fw 5.6)* | **1,09** | **1,61** | **0,66** | **2,00** | mm/s |
| *RMS (1s)* | **1,17** | **1,63** | **0,67** | **2,06** | mm/s |

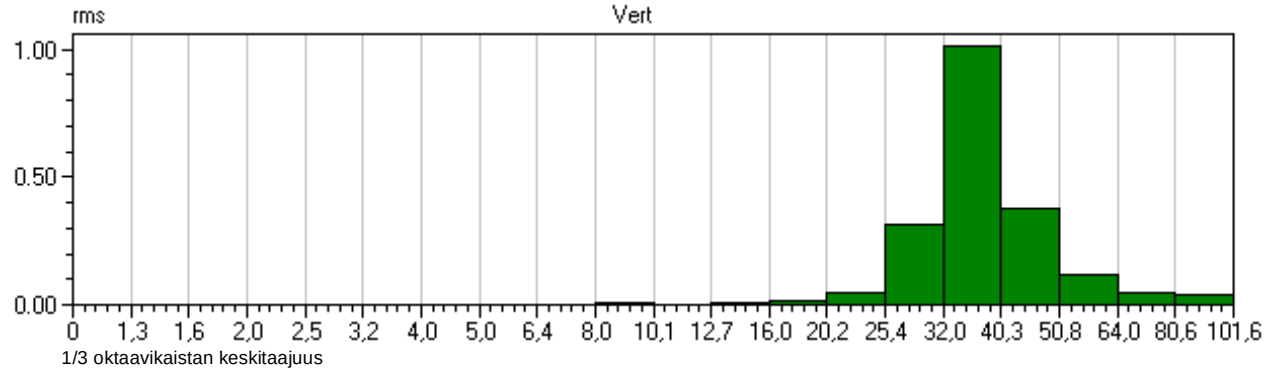


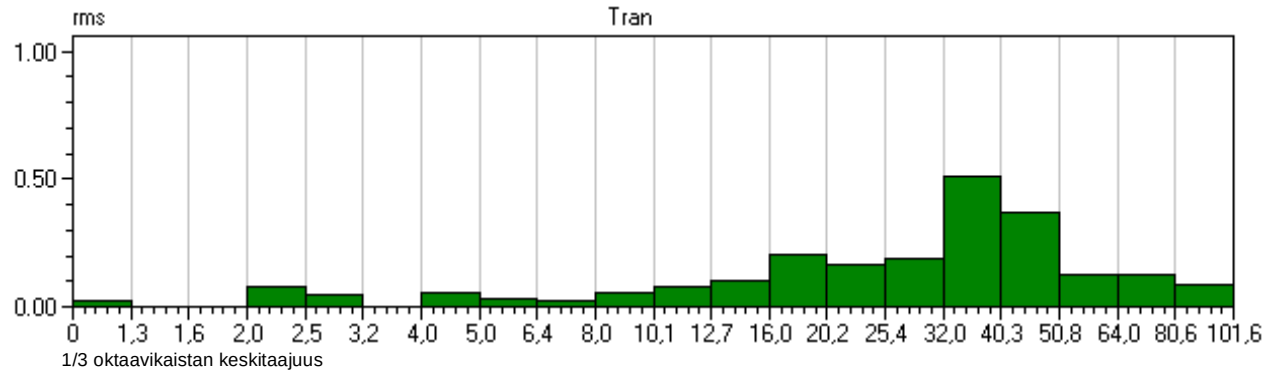
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:51** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:21 | *File Name:* | M026GD62.SL0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Vert |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.44 | 4.91 | 1.86 | 5.27 | mm/s |
| *Freq* | 13 | 37 | 43 | | Hz |
| *Time of Peak* | 2.235 | 2.712 | 2.717 | 2.697 | Sec |
| *Peak Acceleration* | 0.164 | 0.116 | 0.0829 | | g |
| *Peak Displacement* | 0.0320 | 0.0206 | 0.00723 | | mm |
| *RMS (1s fw 5.6)* | **1,09** | **1,61** | **0,66** | **2,00** | mm/s |
| *RMS (1s)* | **1,17** | **1,63** | **0,67** | **2,06** | mm/s |



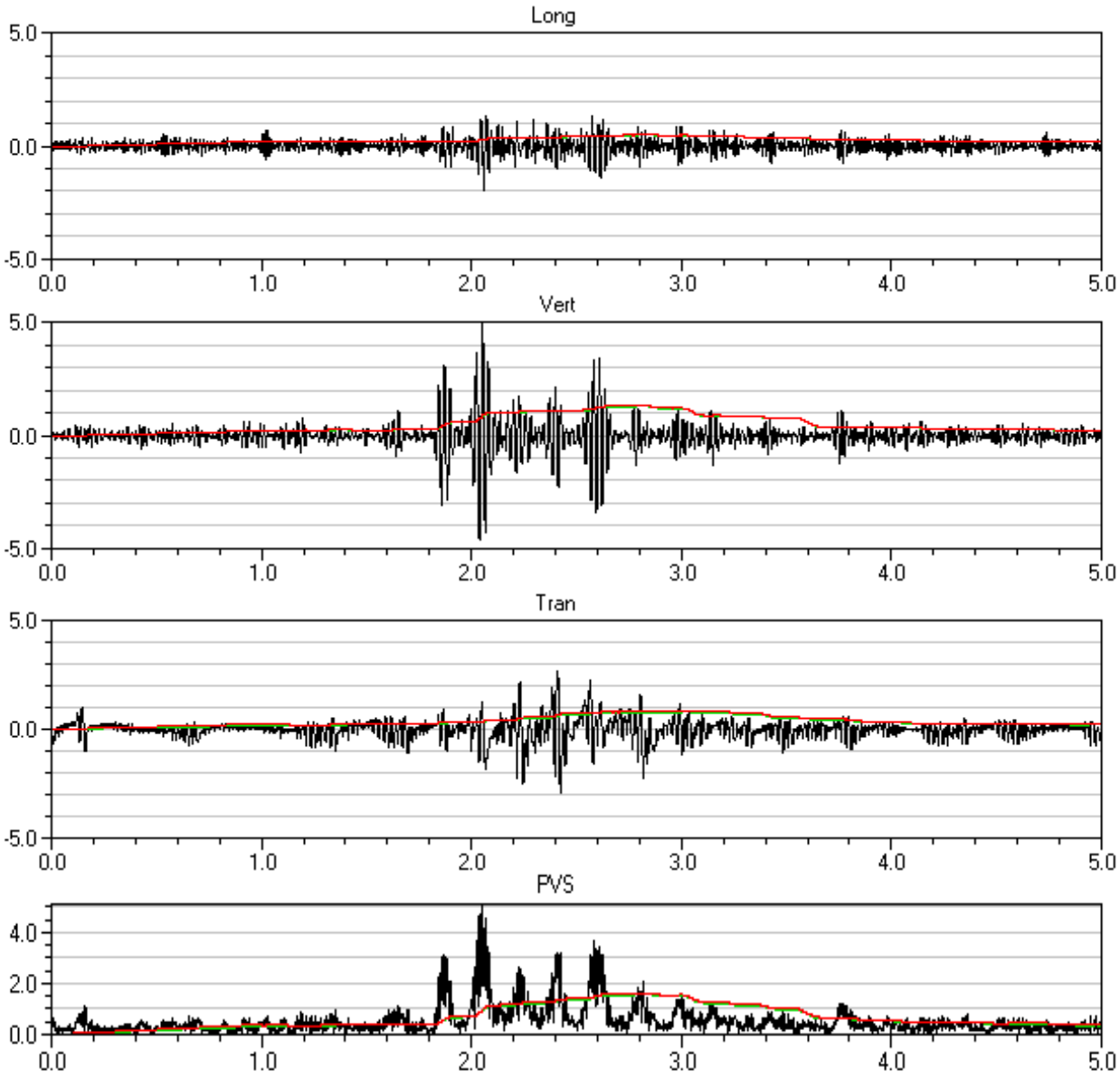



**BlastView RMS report. Generated: 19.5.2016 12:35:53** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:26 | *File Name:* | M026GD62.SQ0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

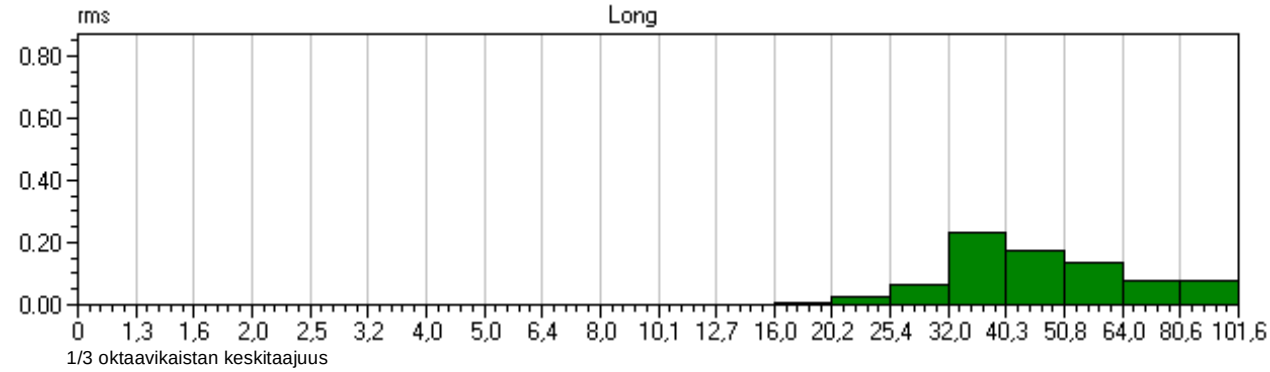
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.97 | 5.02 | 1.97 | 5.12 | mm/s |
| *Freq* | 30 | 37 | 43 | | Hz |
| *Time of Peak* | 2.423 | 2.052 | 2.058 | 2.052 | Sec |
| *Peak Acceleration* | 0.161 | 0.114 | 0.0613 | | g |
| *Peak Displacement* | 0.0227 | 0.0221 | 0.00683 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **1,29** | **0,49** | **1,59** | mm/s |
| *RMS (1s)* | **0,87** | **1,31** | **0,50** | **1,64** | mm/s |

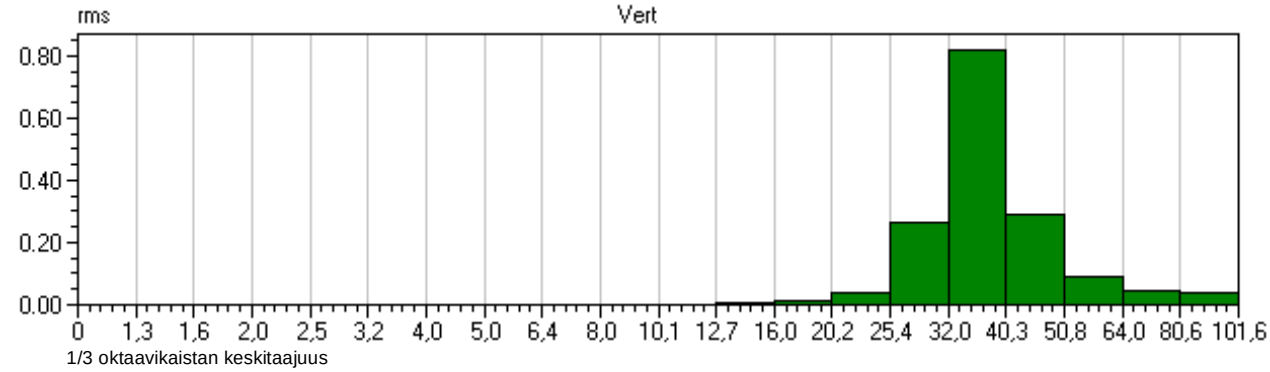


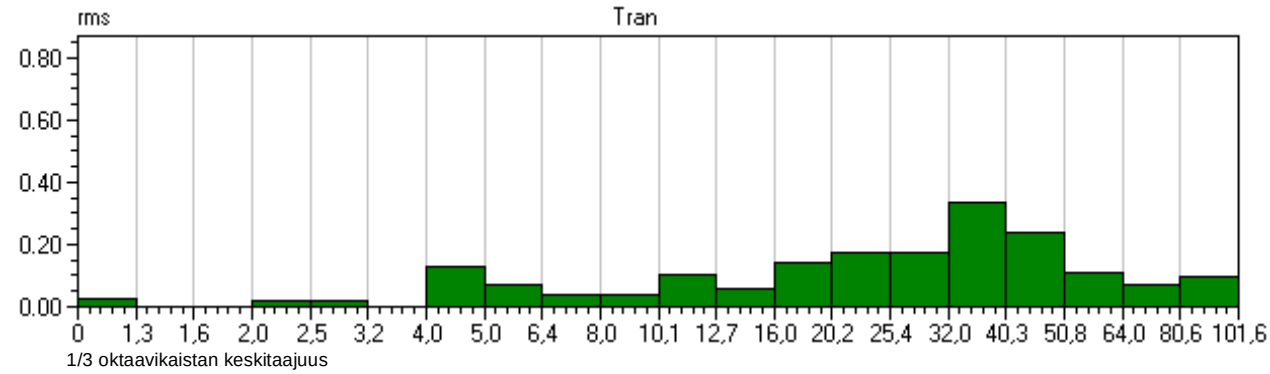
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:53** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 10:36:26 | *File Name:* | M026GD62.SQ0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.97 | 5.02 | 1.97 | 5.12 | mm/s |
| *Freq* | 30 | 37 | 43 | | Hz |
| *Time of Peak* | 2.423 | 2.052 | 2.058 | 2.052 | Sec |
| *Peak Acceleration* | 0.161 | 0.114 | 0.0613 | | g |
| *Peak Displacement* | 0.0227 | 0.0221 | 0.00683 | | mm |
| *RMS (1s fw 5.6)* | **0,80** | **1,29** | **0,49** | **1,59** | mm/s |
| *RMS (1s)* | **0,87** | **1,31** | **0,50** | **1,64** | mm/s |



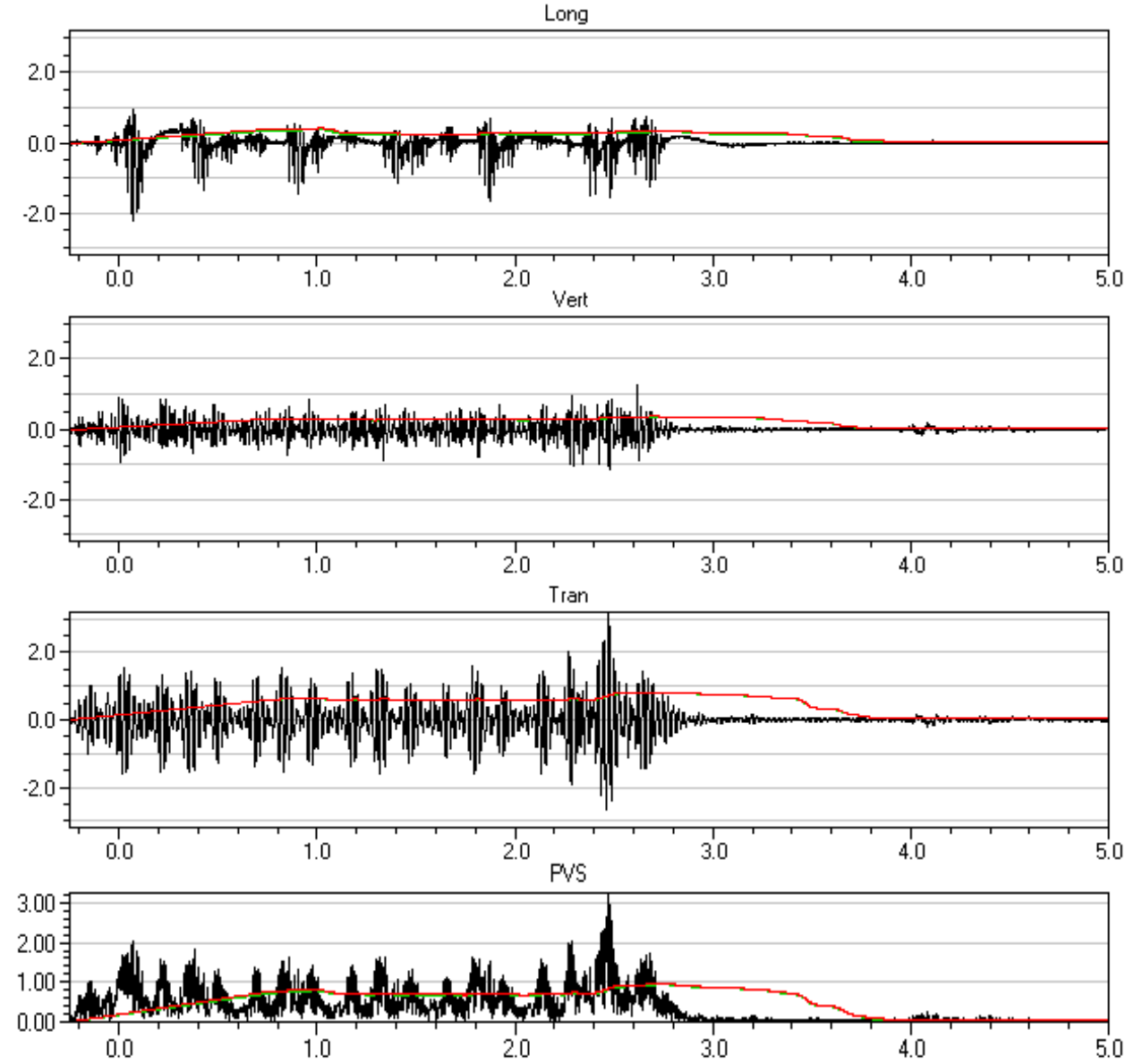



**BlastView RMS report. Generated: 19.5.2016 12:35:55** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 16, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 16:18:14 | *File Name:* | M026GDFR.YE0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

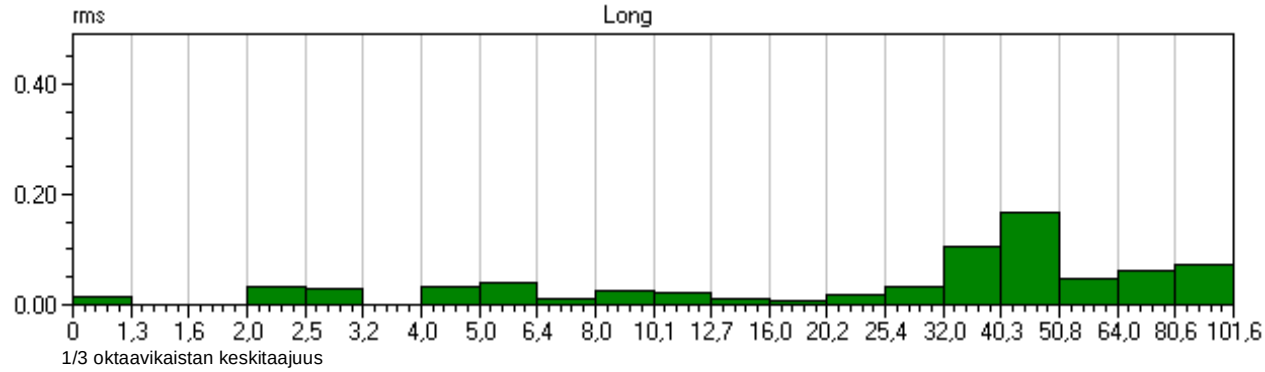
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.19 | 1.25 | 2.21 | 3.28 | mm/s |
| *Freq* | 39 | 57 | 47 | | Hz |
| *Time of Peak* | 2.474 | 2.616 | 0.066 | 2.474 | Sec |
| *Peak Acceleration* | 0.0812 | 0.0464 | 0.119 | | g |
| *Peak Displacement* | 0.0119 | 0.00364 | 0.0193 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,36** | **0,36** | **0,94** | mm/s |
| *RMS (1s)* | **0,82** | **0,36** | **0,41** | **0,96** | mm/s |

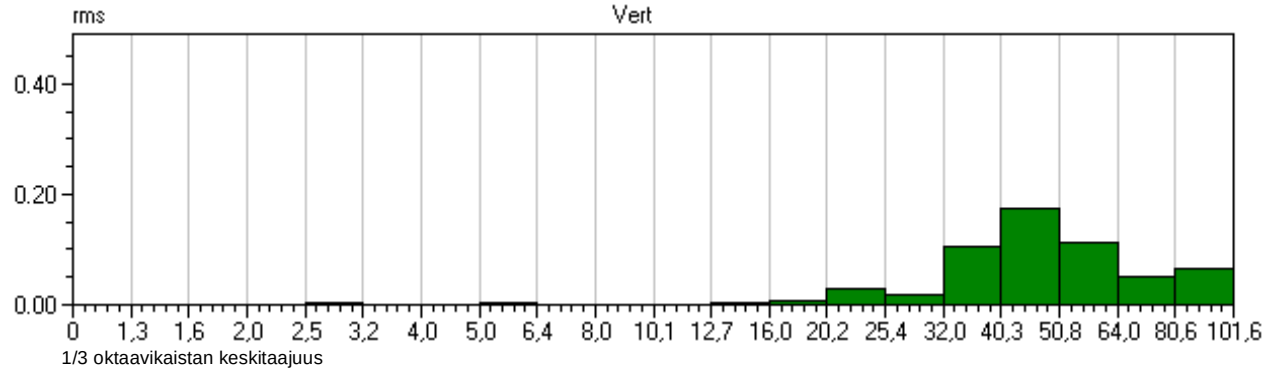


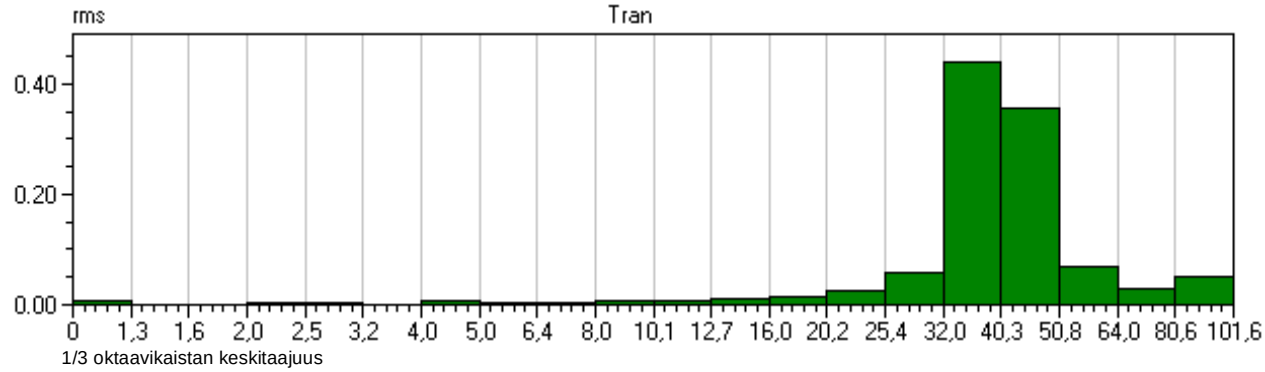
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:55** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 16, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 16:18:14 | *File Name:* | M026GDFR.YE0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.19 | 1.25 | 2.21 | 3.28 | mm/s |
| *Freq* | 39 | 57 | 47 | | Hz |
| *Time of Peak* | 2.474 | 2.616 | 0.066 | 2.474 | Sec |
| *Peak Acceleration* | 0.0812 | 0.0464 | 0.119 | | g |
| *Peak Displacement* | 0.0119 | 0.00364 | 0.0193 | | mm |
| *RMS (1s fw 5.6)* | **0,82** | **0,36** | **0,36** | **0,94** | mm/s |
| *RMS (1s)* | **0,82** | **0,36** | **0,41** | **0,96** | mm/s |



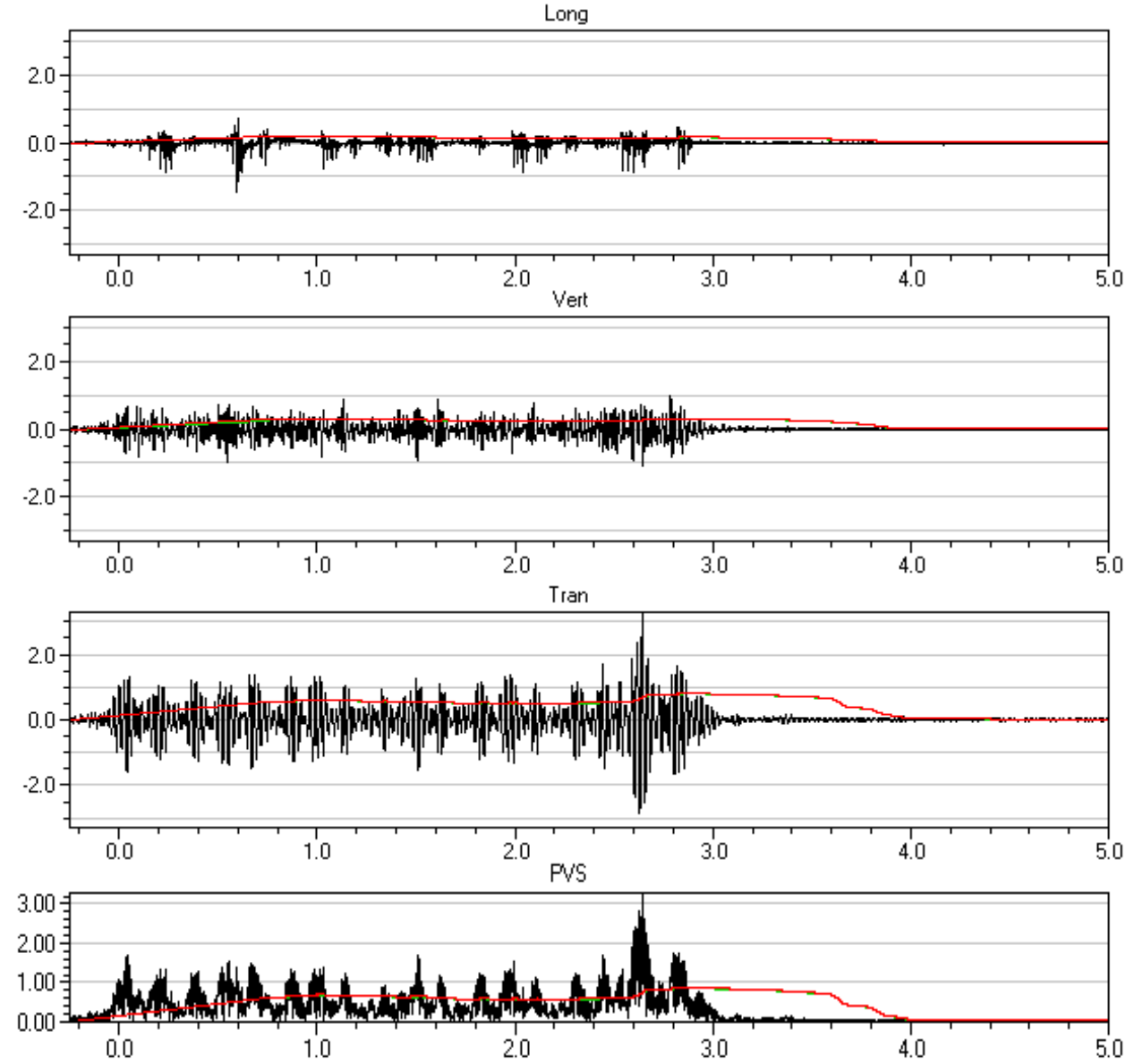



**BlastView RMS report. Generated: 19.5.2016 12:35:57** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 12:18:31 | *File Name:* | M026GDHB.IV0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

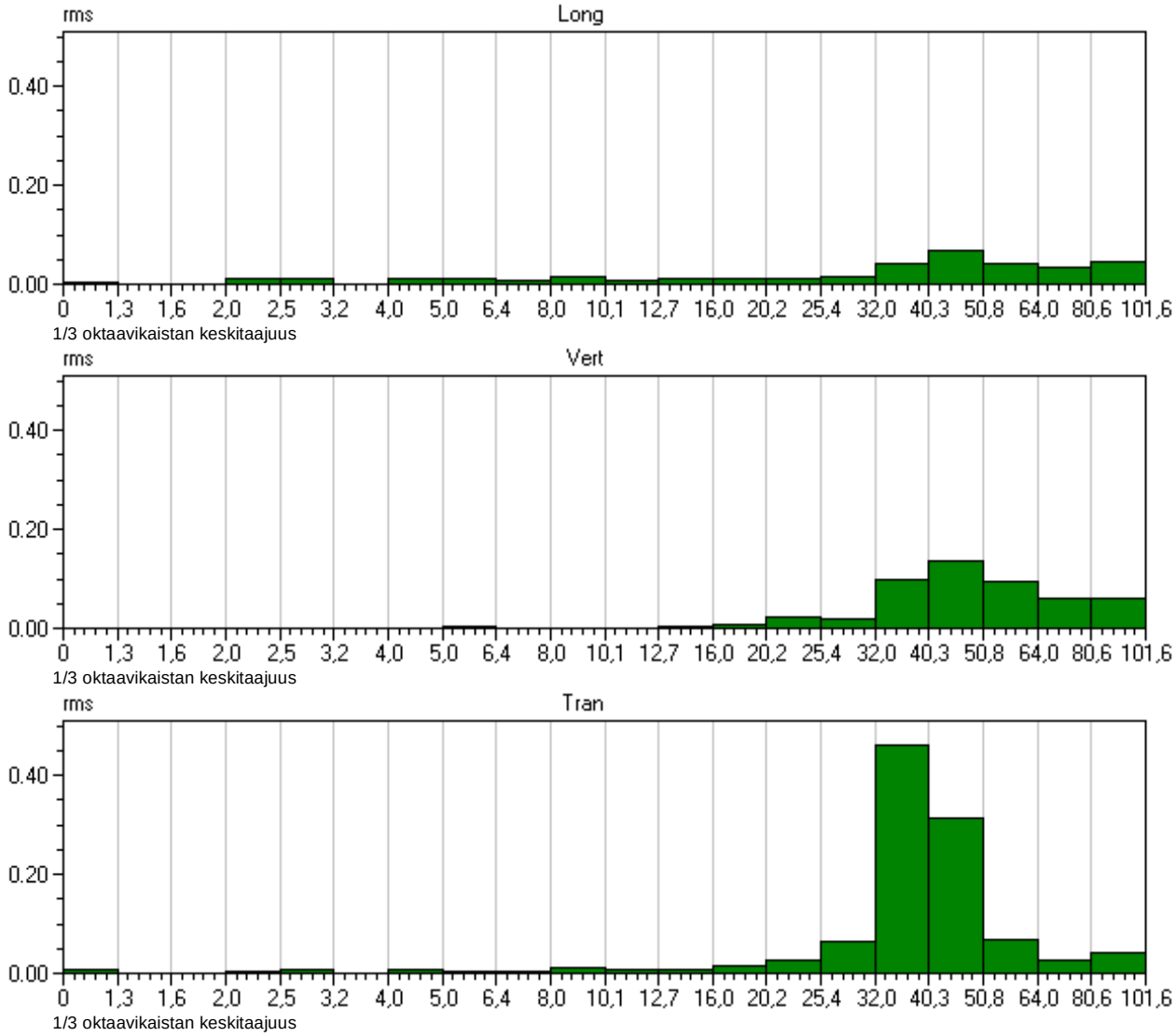
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.29 | 1.10 | 1.44 | 3.31 | mm/s |
| *Freq* | 39 | 51 | 57 | | Hz |
| *Time of Peak* | 2.643 | 2.647 | 0.596 | 2.643 | Sec |
| *Peak Acceleration* | 0.0779 | 0.0398 | 0.0795 | | g |
| *Peak Displacement* | 0.0126 | 0.00311 | 0.00382 | | mm |
| *RMS (1s fw 5.6)* | **0,81** | **0,30** | **0,18** | **0,88** | mm/s |
| *RMS (1s)* | **0,82** | **0,31** | **0,20** | **0,89** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:57** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 12:18:31 | *File Name:* | M026GDHB.IV0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Tran |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

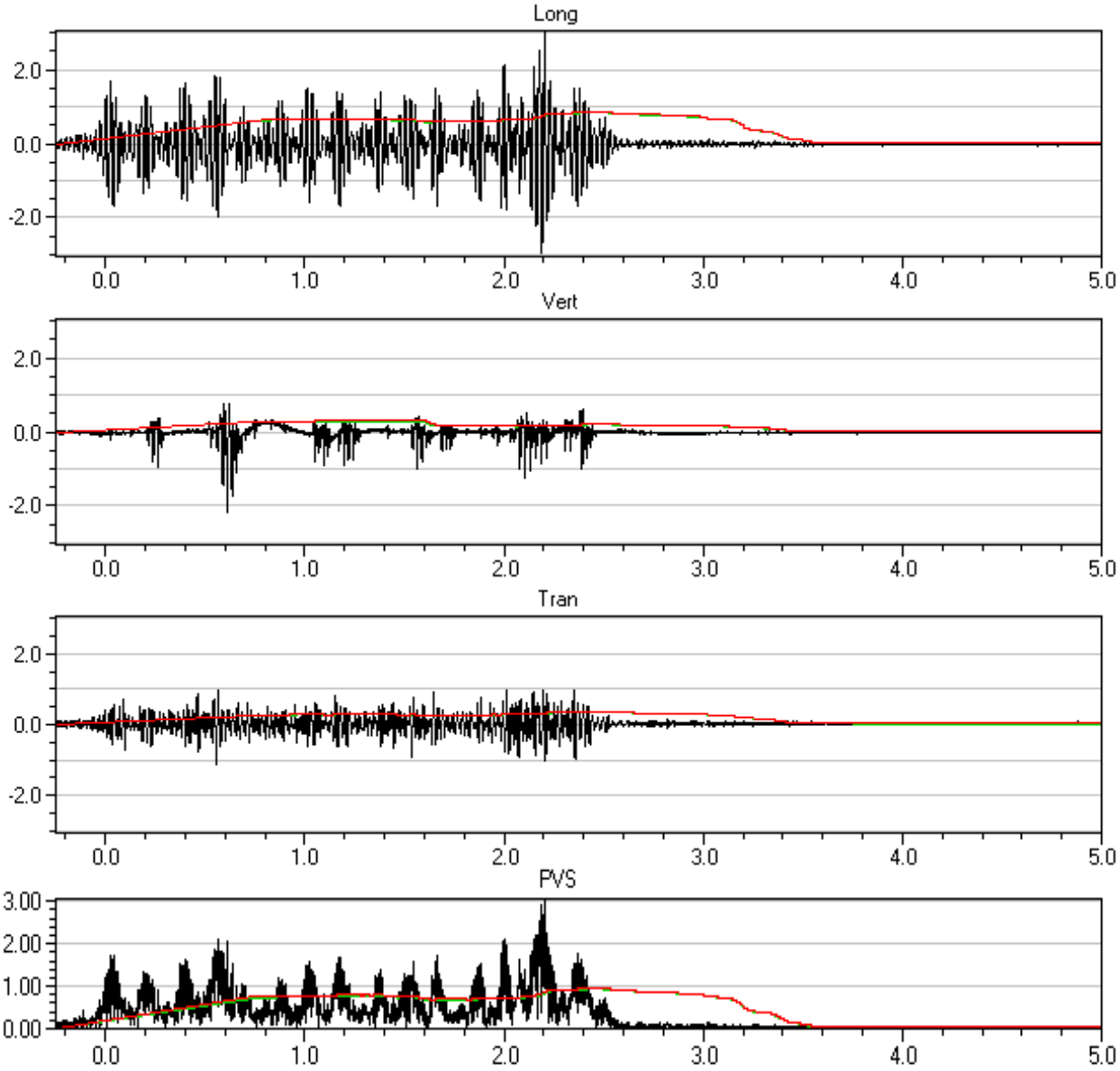
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 3.29 | 1.10 | 1.44 | 3.31 | mm/s |
| *Freq* | 39 | 51 | 57 | | Hz |
| *Time of Peak* | 2.643 | 2.647 | 0.596 | 2.643 | Sec |
| *Peak Acceleration* | 0.0779 | 0.0398 | 0.0795 | | g |
| *Peak Displacement* | 0.0126 | 0.00311 | 0.00382 | | mm |
| *RMS (1s fw 5.6)* | **0,81** | **0,30** | **0,18** | **0,88** | mm/s |
| *RMS (1s)* | **0,82** | **0,31** | **0,20** | **0,89** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:35:58** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:15:28 | *File Name:* | M026GDHU.TS0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

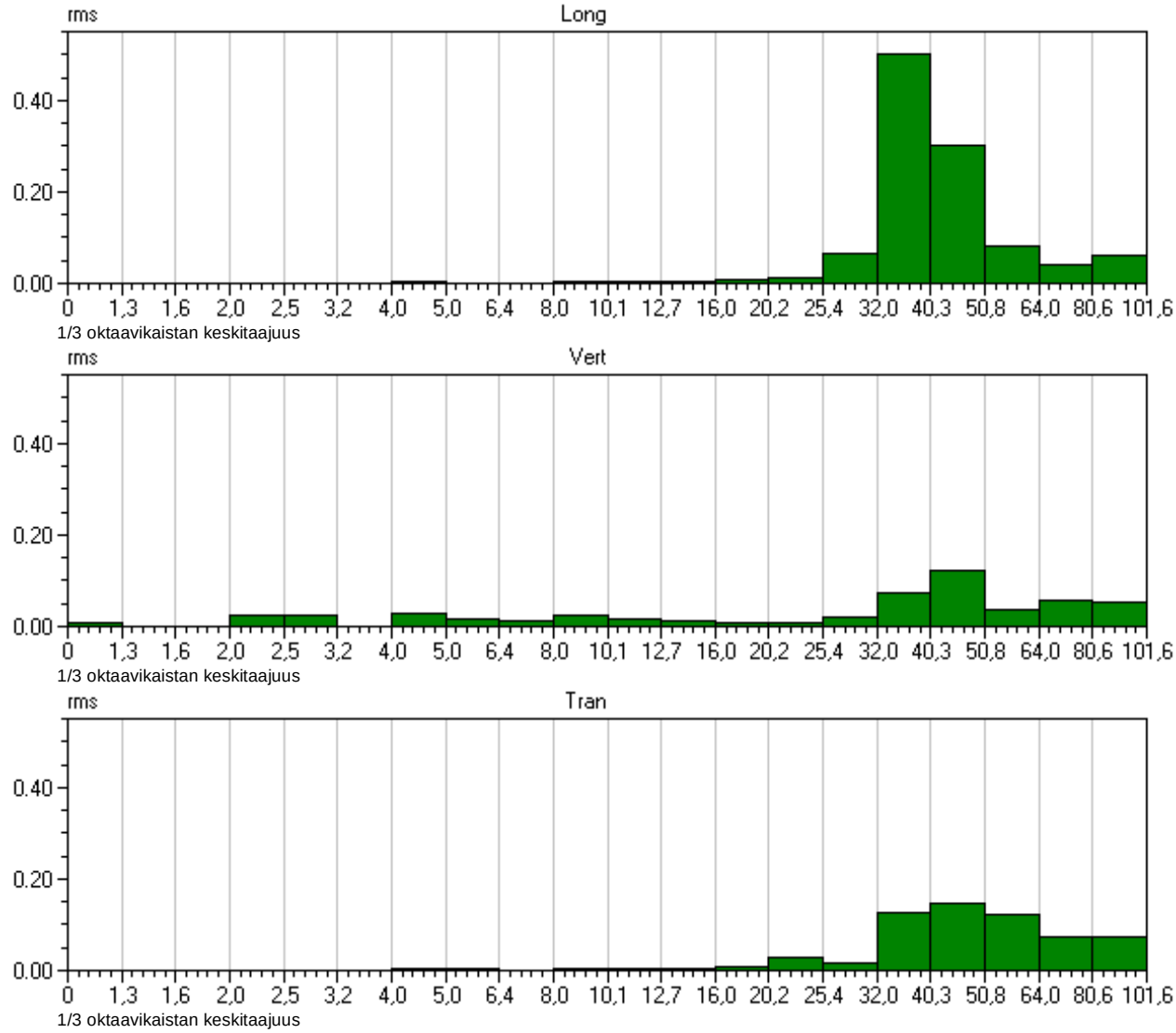
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.11 | 2.19 | 3.06 | 3.09 | mm/s |
| *Freq* | 51 | 47 | 39 | | Hz |
| *Time of Peak* | 0.556 | 0.612 | 2.203 | 2.204 | Sec |
| *Peak Acceleration* | 0.0447 | 0.128 | 0.0779 | | g |
| *Peak Displacement* | 0.00343 | 0.0158 | 0.0116 | | mm |
| *RMS (1s fw 5.6)* | **0,36** | **0,28** | **0,85** | **0,94** | mm/s |
| *RMS (1s)* | **0,36** | **0,31** | **0,86** | **0,95** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:35:59** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:15:28 | *File Name:* | M026GDHU.TS0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

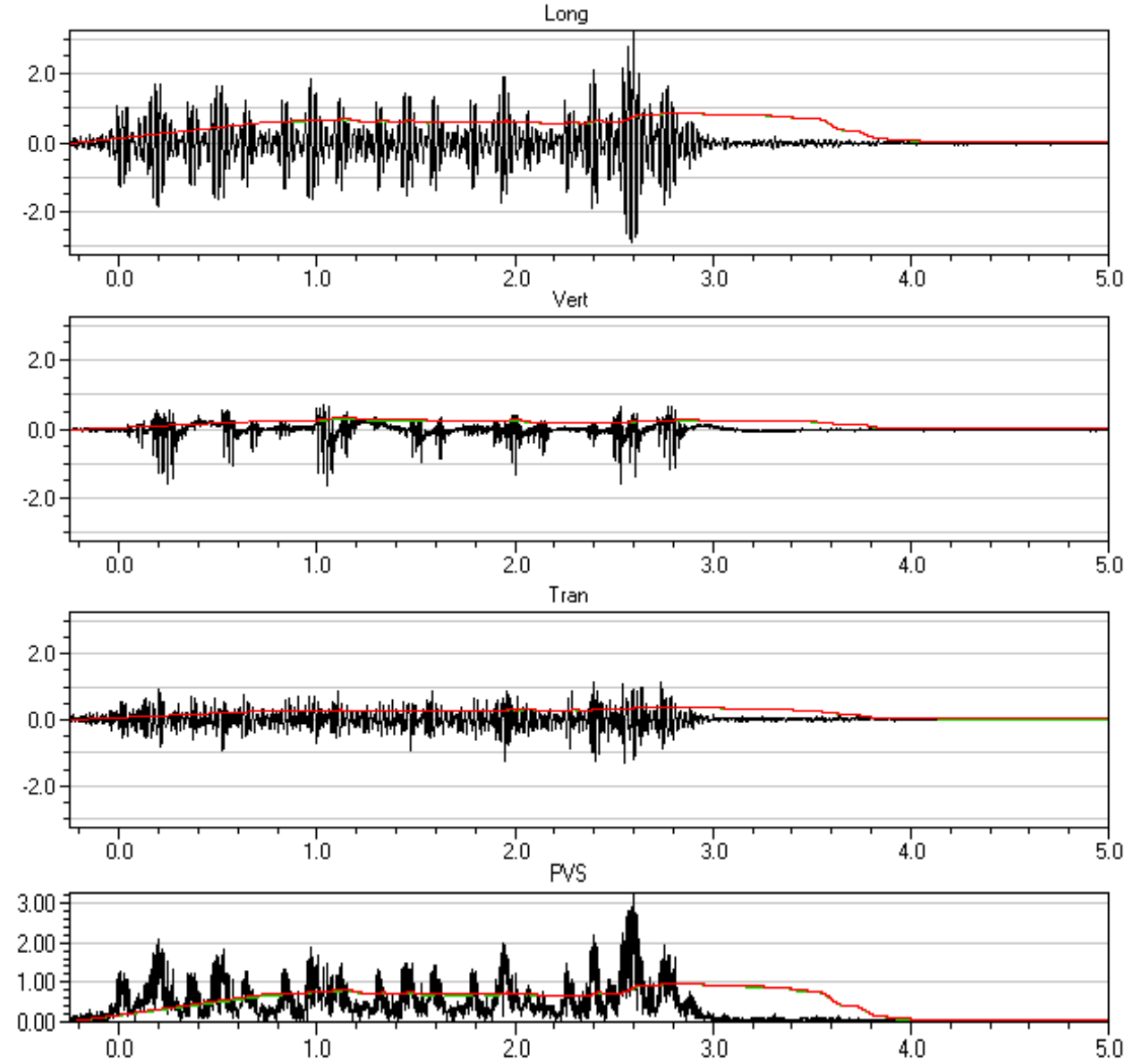
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.11 | 2.19 | 3.06 | 3.09 | mm/s |
| *Freq* | 51 | 47 | 39 | | Hz |
| *Time of Peak* | 0.556 | 0.612 | 2.203 | 2.204 | Sec |
| *Peak Acceleration* | 0.0447 | 0.128 | 0.0779 | | g |
| *Peak Displacement* | 0.00343 | 0.0158 | 0.0116 | | mm |
| *RMS (1s fw 5.6)* | **0,36** | **0,28** | **0,85** | **0,94** | mm/s |
| *RMS (1s)* | **0,36** | **0,31** | **0,86** | **0,95** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:36:00** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:19:40 | *File Name:* | M026GDHV.0S0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

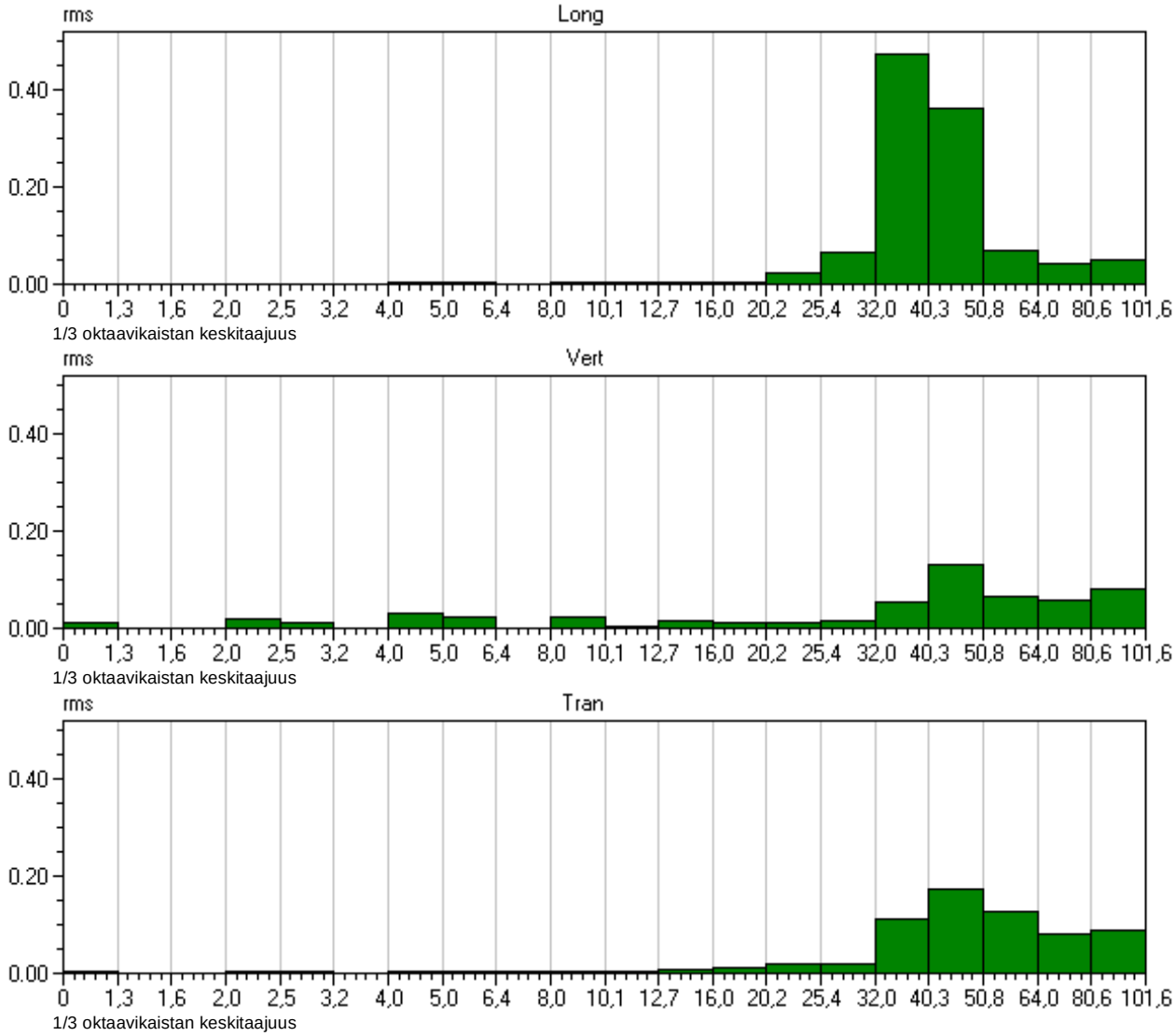
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.29 | 1.62 | 3.25 | 3.27 | mm/s |
| *Freq* | 51 | 47 | 39 | | Hz |
| *Time of Peak* | 2.551 | 1.053 | 2.598 | 2.598 | Sec |
| *Peak Acceleration* | 0.0481 | 0.0928 | 0.0845 | | g |
| *Peak Displacement* | 0.00373 | 0.0131 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **0,39** | **0,30** | **0,86** | **0,97** | mm/s |
| *RMS (1s)* | **0,39** | **0,32** | **0,87** | **0,99** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:00** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 19:19:40 | *File Name:* | M026GDHV.0S0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

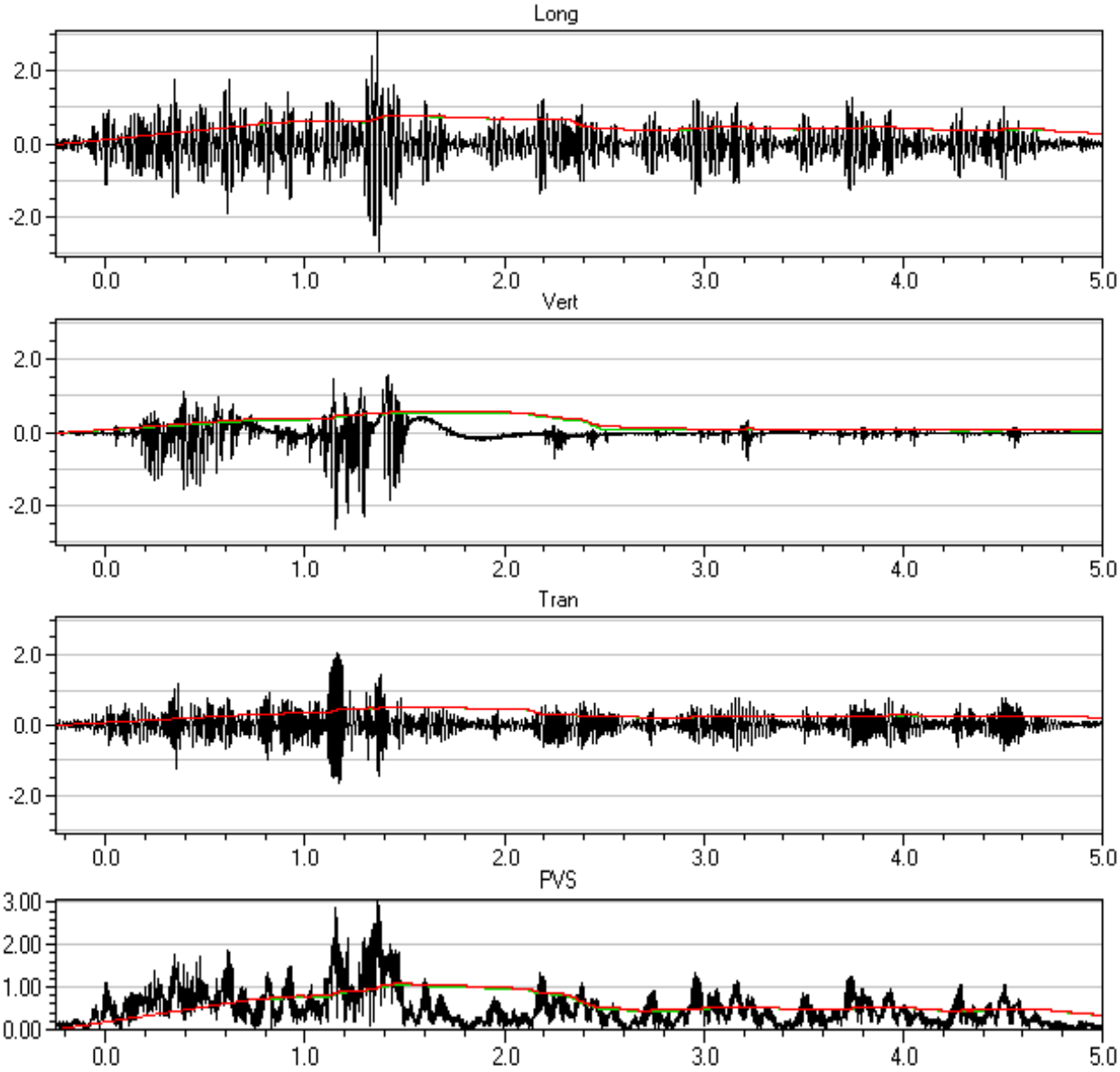
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 1.29 | 1.62 | 3.25 | 3.27 | mm/s |
| *Freq* | 51 | 47 | 39 | | Hz |
| *Time of Peak* | 2.551 | 1.053 | 2.598 | 2.598 | Sec |
| *Peak Acceleration* | 0.0481 | 0.0928 | 0.0845 | | g |
| *Peak Displacement* | 0.00373 | 0.0131 | 0.0131 | | mm |
| *RMS (1s fw 5.6)* | **0,39** | **0,30** | **0,86** | **0,97** | mm/s |
| *RMS (1s)* | **0,39** | **0,32** | **0,87** | **0,99** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:36:02** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 22:52:33 | *File Name:* | M026GDI4.VL0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

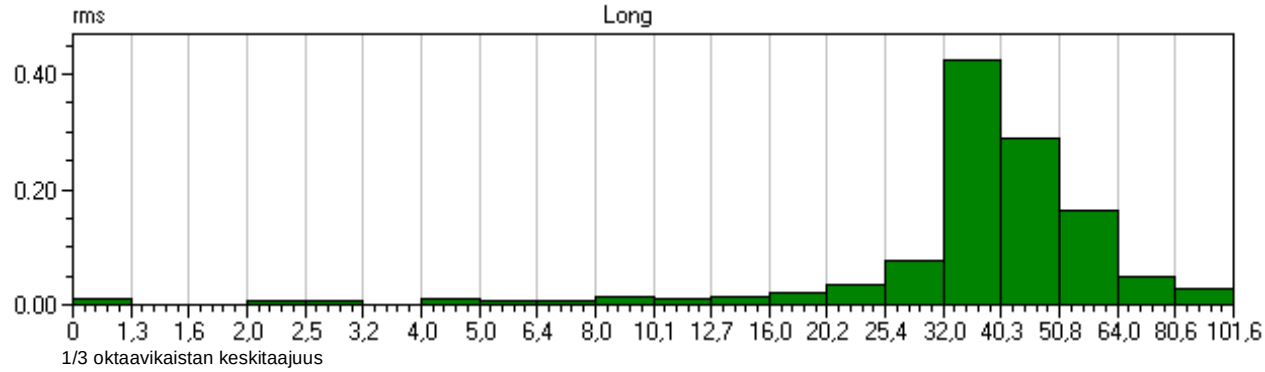
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.03 | 2.65 | 3.08 | 3.10 | mm/s |
| *Freq* | 57 | 47 | 39 | | Hz |
| *Time of Peak* | 1.164 | 1.154 | 1.361 | 1.361 | Sec |
| *Peak Acceleration* | 0.0795 | 0.139 | 0.0795 | | g |
| *Peak Displacement* | 0.00536 | 0.0277 | 0.0122 | | mm |
| *RMS (1s fw 5.6)* | **0,50** | **0,53** | **0,78** | **1,07** | mm/s |
| *RMS (1s)* | **0,51** | **0,56** | **0,79** | **1,09** | mm/s |

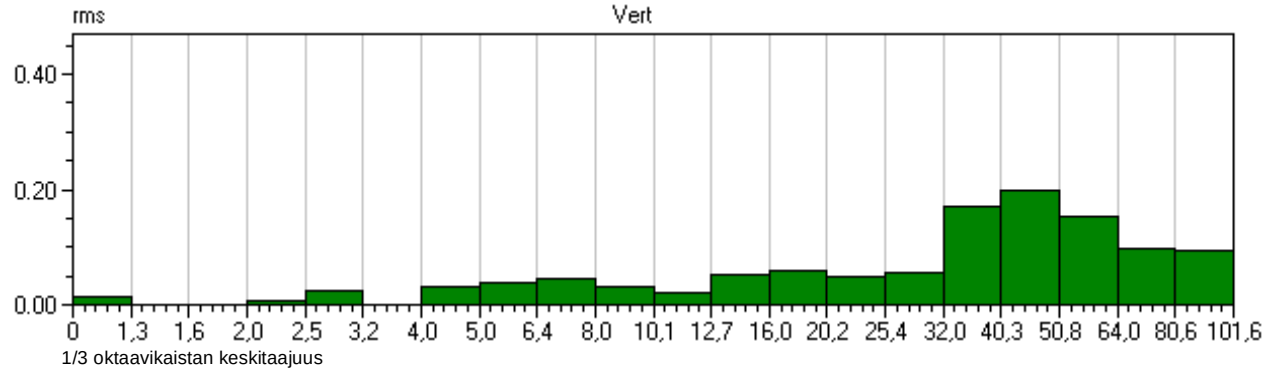


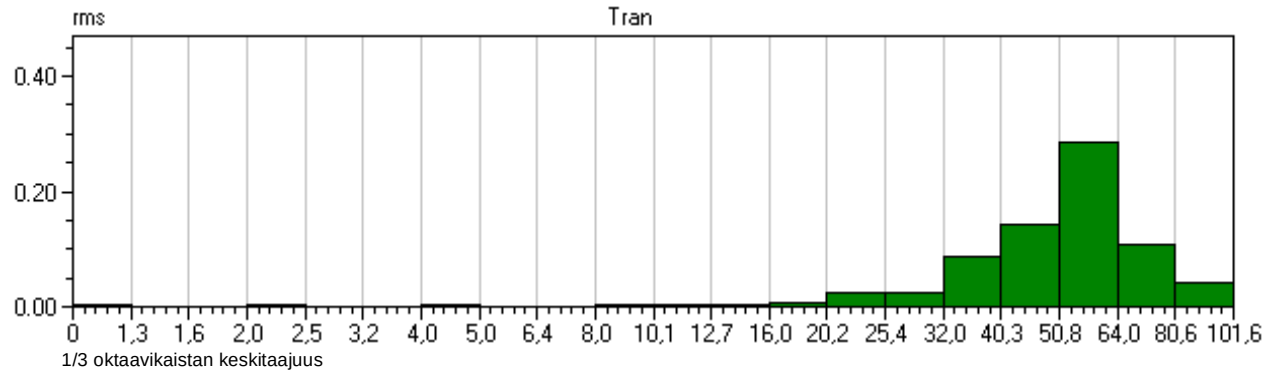
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:36:02** - **MP7**

| | | | |
|---|---|---|---|
| *Event Date:* | May 17, 2016 | *Serial Number:* | BE11026, V 10.30-8.17 MiniMate Plus |
| *Event Time:* | 22:52:33 | *File Name:* | M026GDI4.VL0W |
| *Location:* | Hollonranta, linja 4, 5 m radasta | *Trigger:* | Long |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | April 30, 2009 by Instantel Inc. |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 2.03 | 2.65 | 3.08 | 3.10 | mm/s |
| *Freq* | 57 | 47 | 39 | | Hz |
| *Time of Peak* | 1.164 | 1.154 | 1.361 | 1.361 | Sec |
| *Peak Acceleration* | 0.0795 | 0.139 | 0.0795 | | g |
| *Peak Displacement* | 0.00536 | 0.0277 | 0.0122 | | mm |
| *RMS (1s fw 5.6)* | **0,50** | **0,53** | **0,78** | **1,07** | mm/s |
| *RMS (1s)* | **0,51** | **0,56** | **0,79** | **1,09** | mm/s |



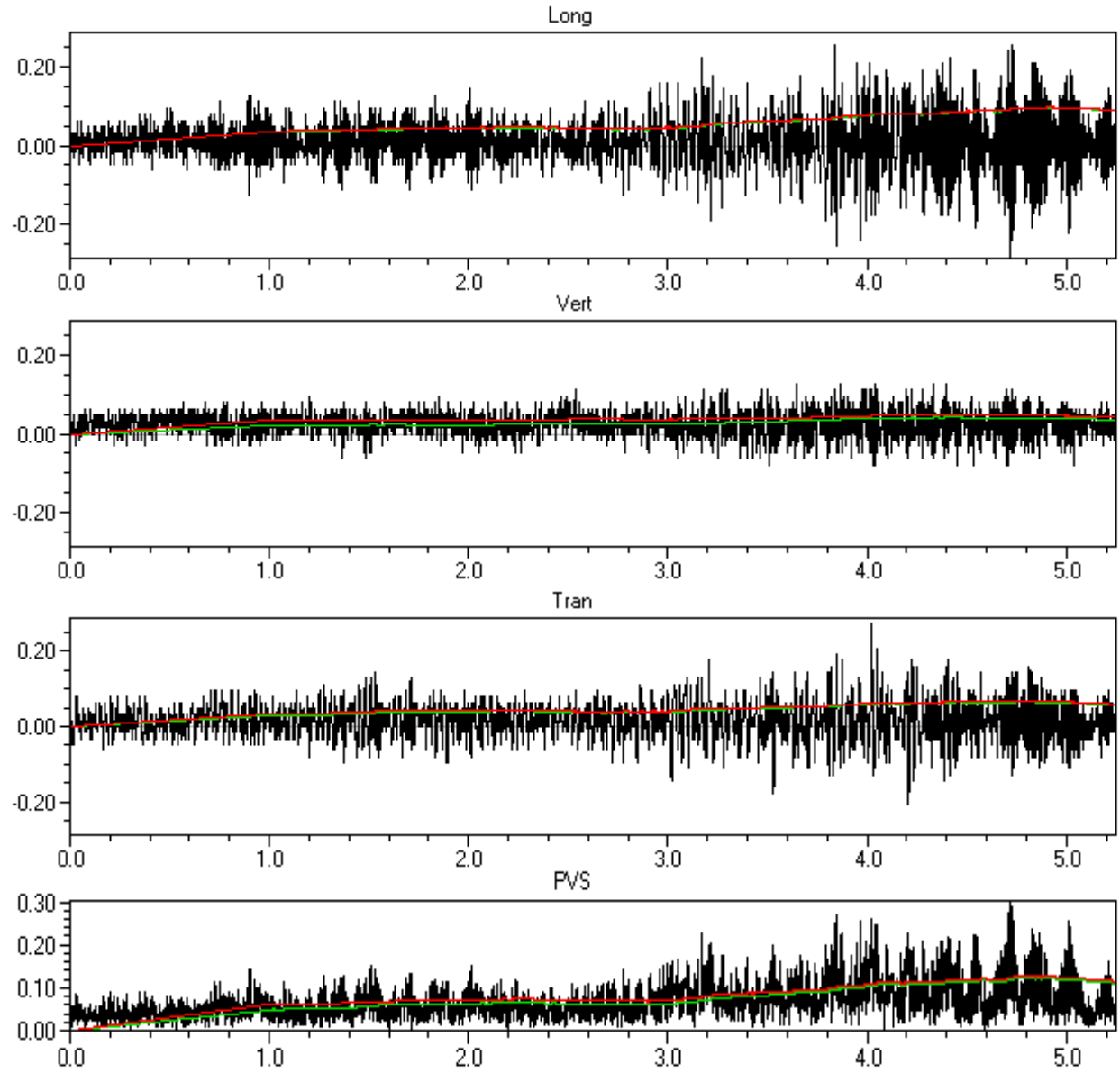



**BlastView RMS report. Generated: 19.5.2016 12:43:21** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 10:36:11 | *File Name:* | J544GD62.SB0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

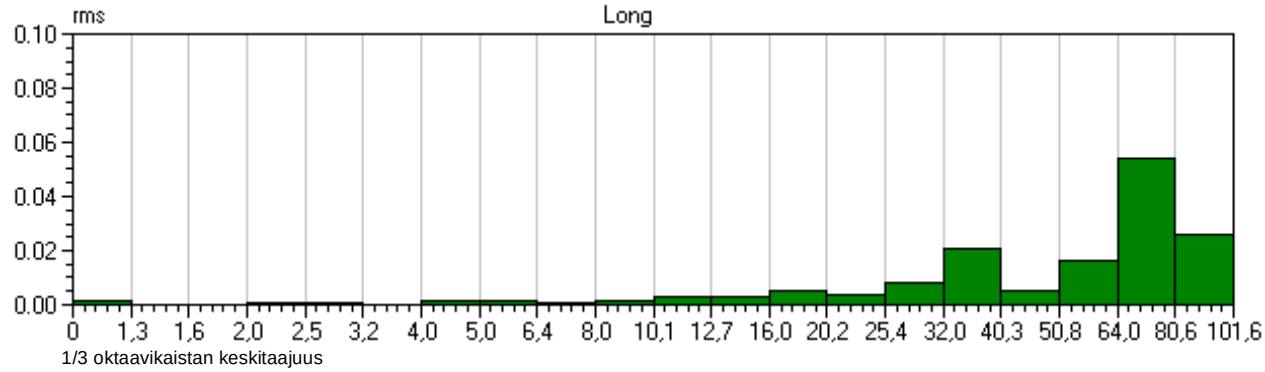
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.270 | 0.127 | 0.286 | 0.300 | mm/s |
| *Freq* | 39 | 73 | 73 | | Hz |
| *Time of Peak* | 3.773 | 3.393 | 4.467 | 4.467 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.0149 | | g |
| *Peak Displacement* | 0.00087 | 0.00066 | 0.00069 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,04** | **0,10** | **0,12** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,10** | **0,13** | mm/s |

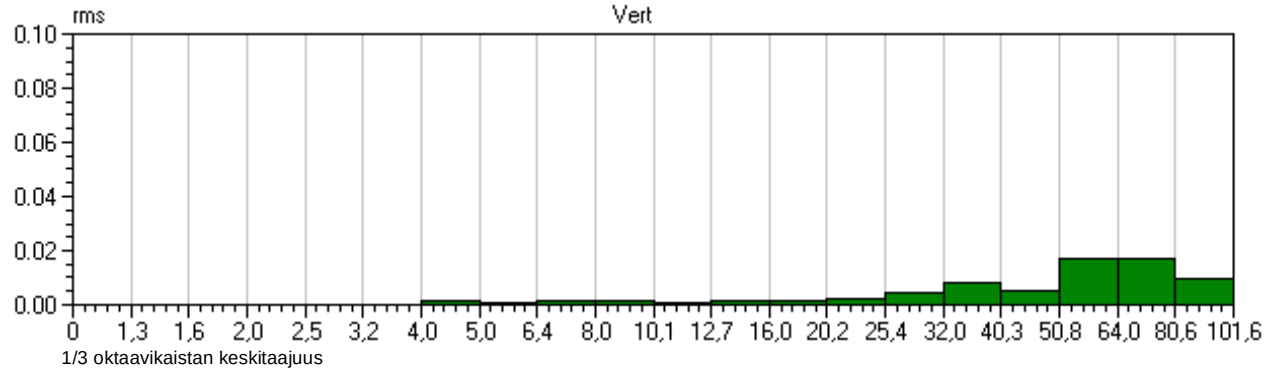


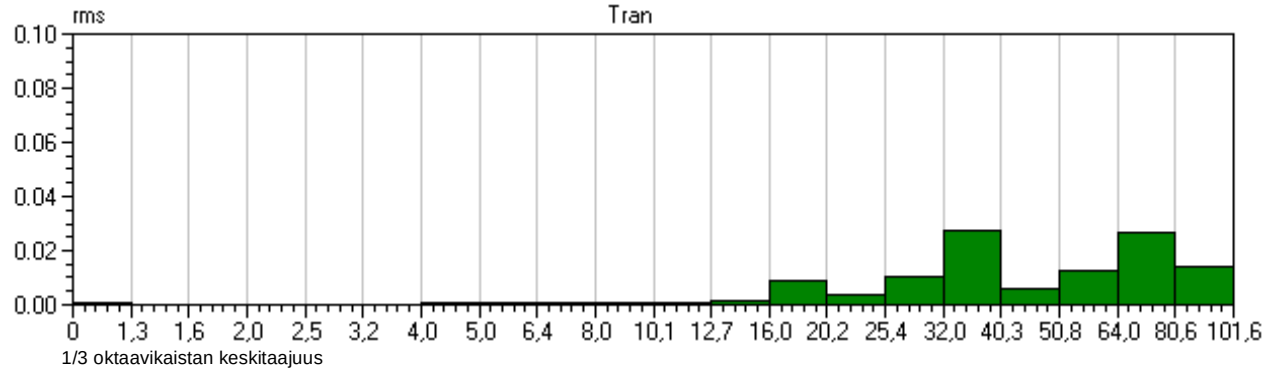
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:21** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 10:36:11 | *File Name:* | J544GD62.SB0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.270 | 0.127 | 0.286 | 0.300 | mm/s |
| *Freq* | 39 | 73 | 73 | | Hz |
| *Time of Peak* | 3.773 | 3.393 | 4.467 | 4.467 | Sec |
| *Peak Acceleration* | 0.00994 | 0.00829 | 0.0149 | | g |
| *Peak Displacement* | 0.00087 | 0.00066 | 0.00069 | | mm |
| *RMS (1s fw 5.6)* | **0,07** | **0,04** | **0,10** | **0,12** | mm/s |
| *RMS (1s)* | **0,07** | **0,05** | **0,10** | **0,13** | mm/s |



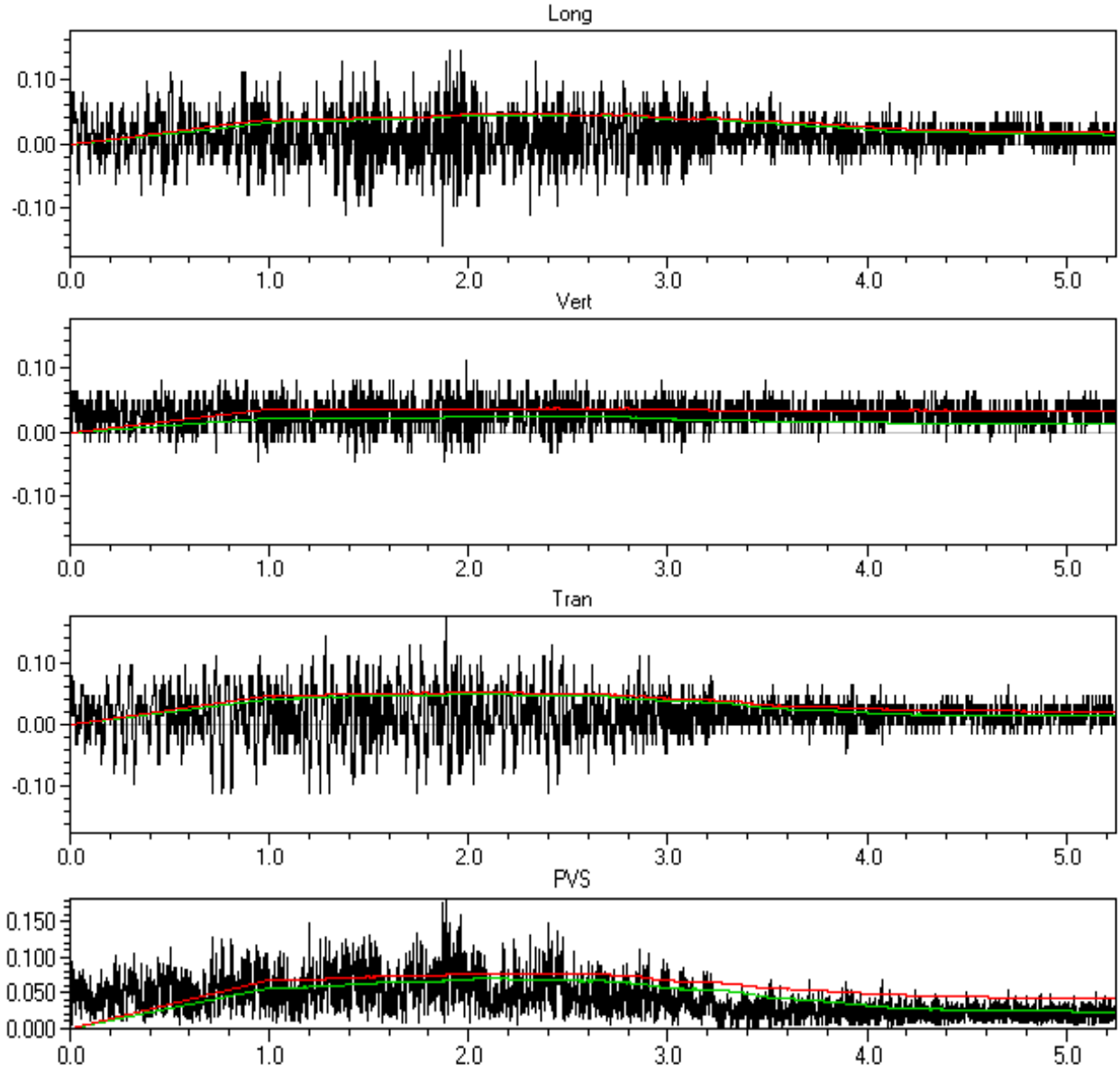



**BlastView RMS report. Generated: 19.5.2016 12:43:22** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 12:17:17 | *File Name:* | J544GD67.GT0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

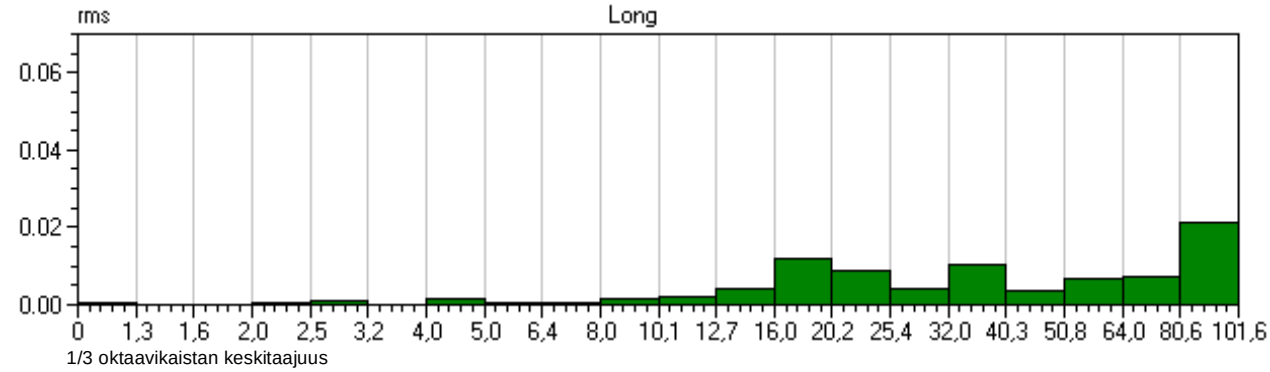
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.175 | 0.111 | 0.159 | 0.204 | mm/s |
| *Freq* | 28 | 73 | 64 | | Hz |
| *Time of Peak* | 1.634 | 1.736 | 1.616 | 1.635 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00829 | | g |
| *Peak Displacement* | 0.00102 | 0.00067 | 0.00068 | | mm |
| *RMS (1s fw 5.6)* | **0,05** | **0,02** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,05** | **0,04** | **0,05** | **0,08** | mm/s |

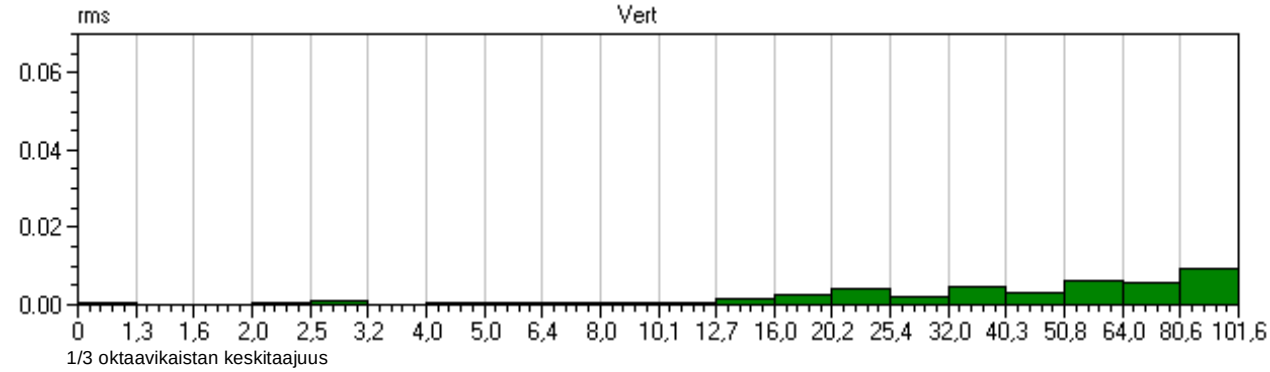


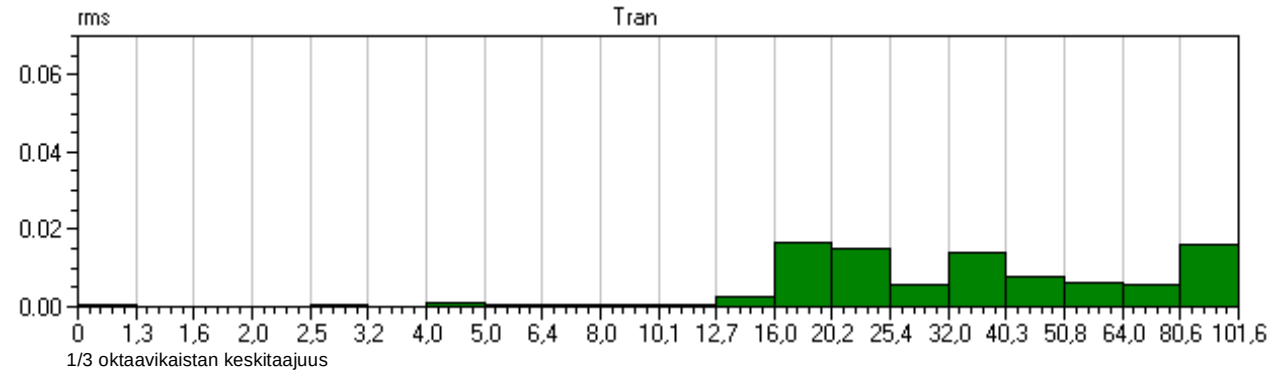
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:22** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 12:17:17 | *File Name:* | J544GD67.GT0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.175 | 0.111 | 0.159 | 0.204 | mm/s |
| *Freq* | 28 | 73 | 64 | | Hz |
| *Time of Peak* | 1.634 | 1.736 | 1.616 | 1.635 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00829 | | g |
| *Peak Displacement* | 0.00102 | 0.00067 | 0.00068 | | mm |
| *RMS (1s fw 5.6)* | **0,05** | **0,02** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,05** | **0,04** | **0,05** | **0,08** | mm/s |



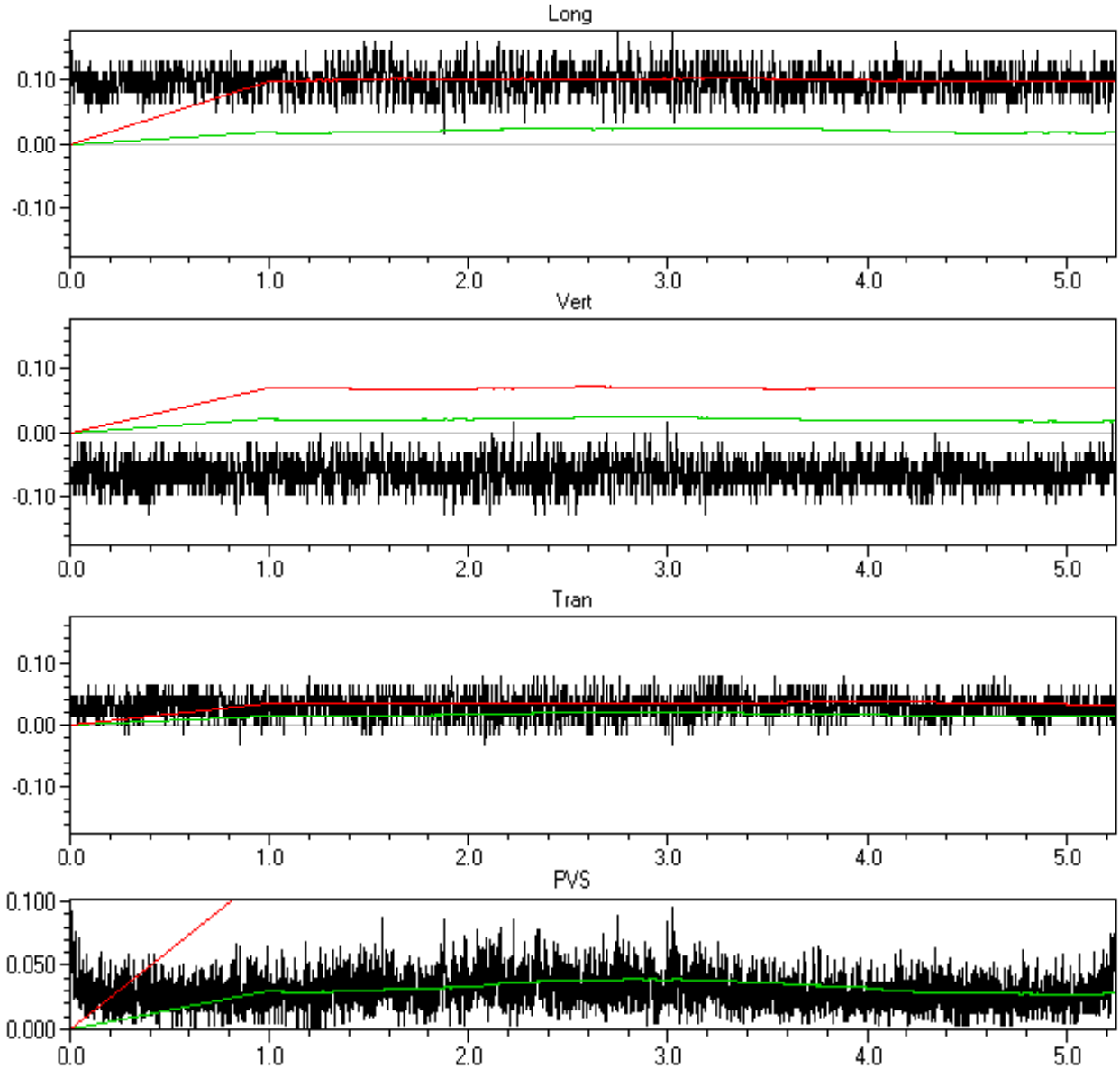



**BlastView RMS report. Generated: 19.5.2016 12:43:24** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 14:22:49 | *File Name:* | J544GD6D.A10W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

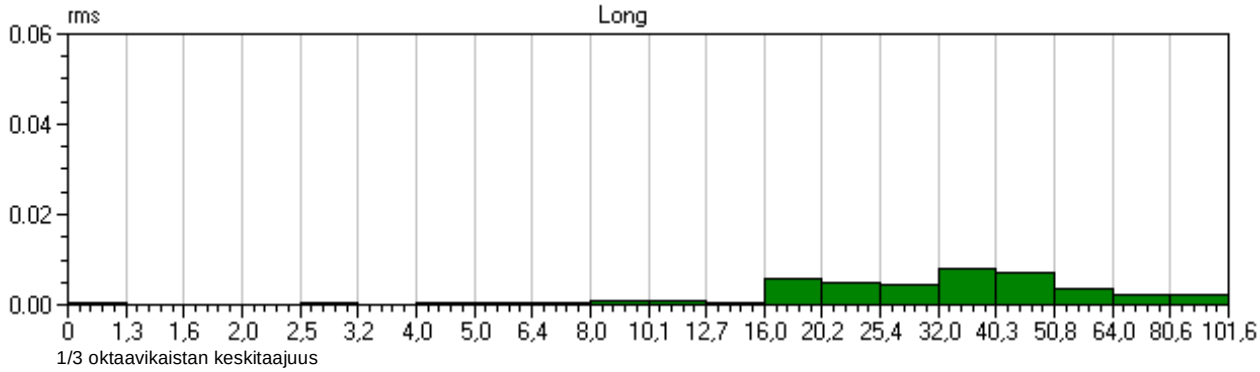
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.127 | 0.175 | 0.196 | mm/s |
| *Freq* | 32 | 4.7 | | | Hz |
| *Time of Peak* | 0.950 | 0.141 | 2.497 | 1.795 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00066 | 0.0133 | 0.0907 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

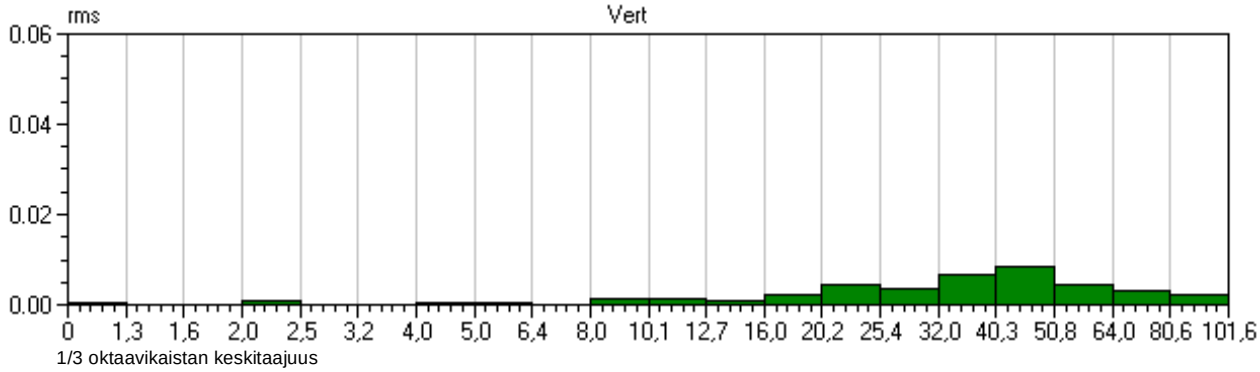


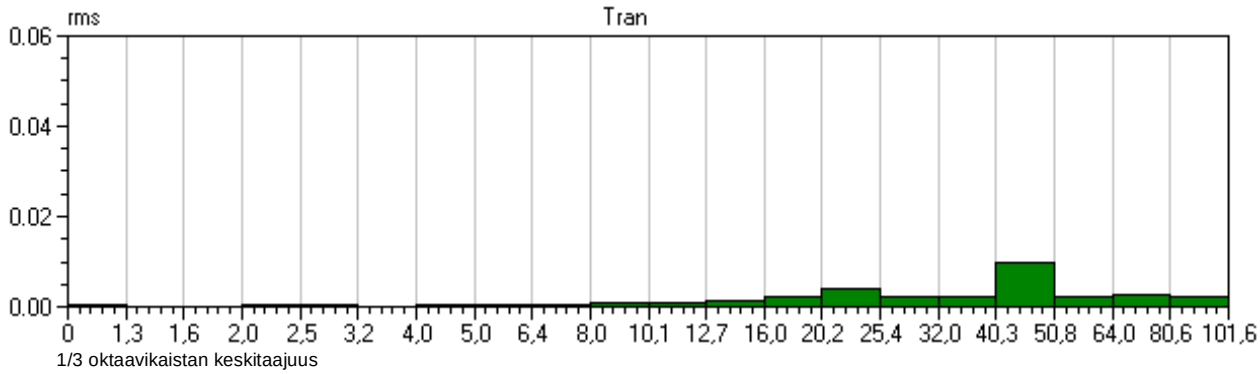
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:24** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 14:22:49 | *File Name:* | J544GD6D.A10W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.127 | 0.175 | 0.196 | mm/s |
| *Freq* | 32 | 4.7 | | | Hz |
| *Time of Peak* | 0.950 | 0.141 | 2.497 | 1.795 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00066 | 0.0133 | 0.0907 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,02** | **0,02** | **0,04** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



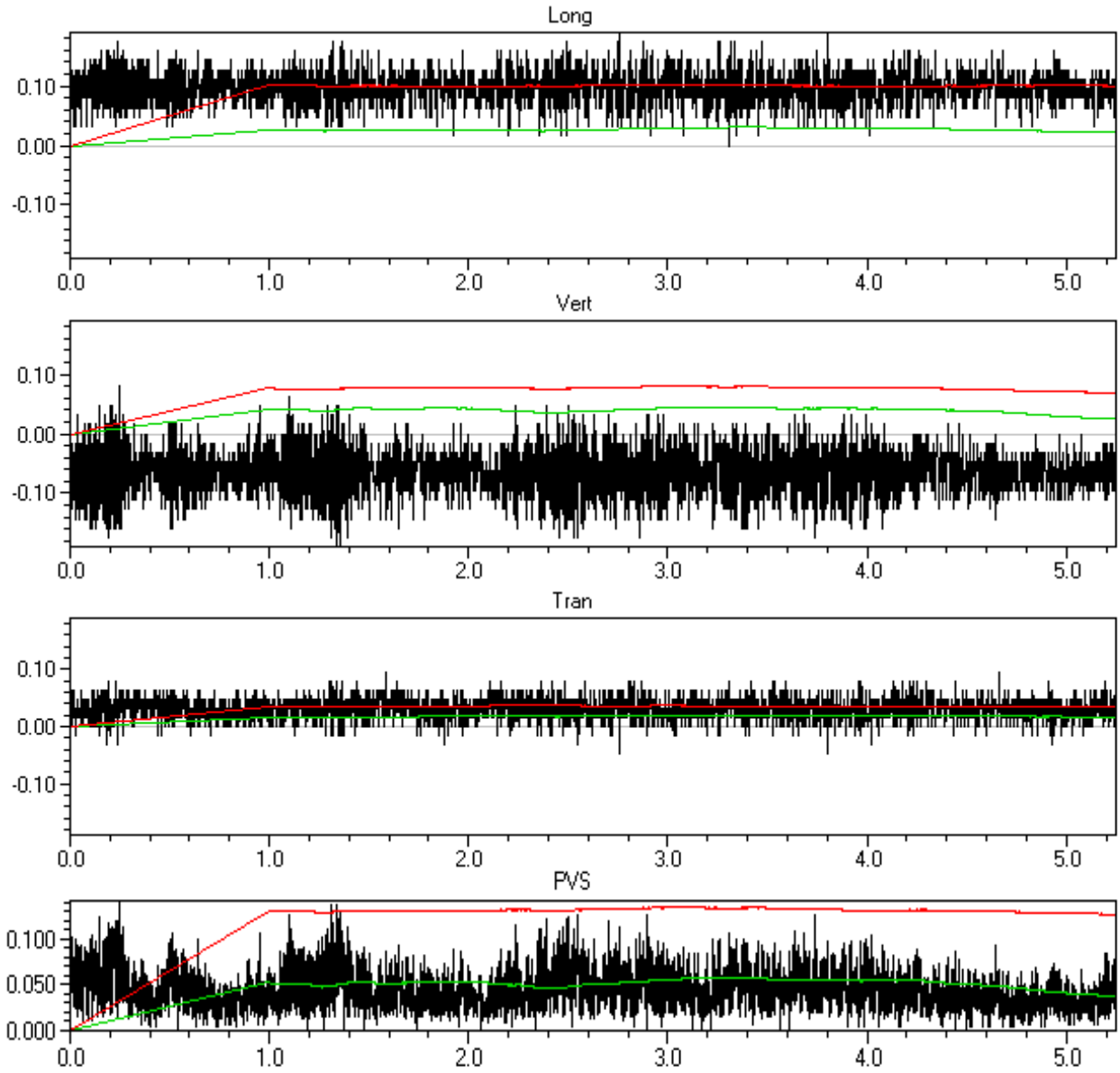



**BlastView RMS report. Generated: 19.5.2016 12:43:26** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 14:39:43 | *File Name:* | J544GD6E.270W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

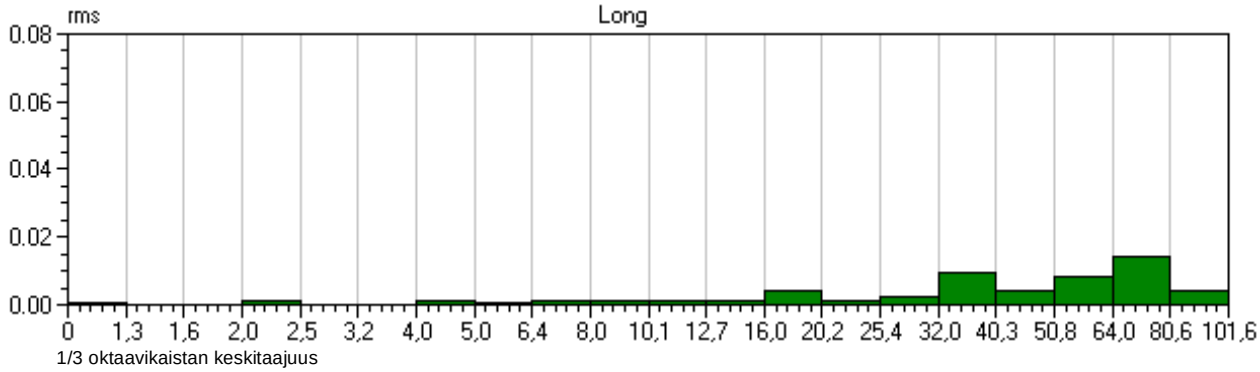
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.190 | 0.190 | 0.216 | mm/s |
| *Freq* | 51 | 51 | 1.2 | | Hz |
| *Time of Peak* | 1.333 | 1.090 | 2.503 | 1.090 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00056 | 0.00555 | 0.0930 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,05** | **0,03** | **0,06** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,10** | **0,13** | mm/s |

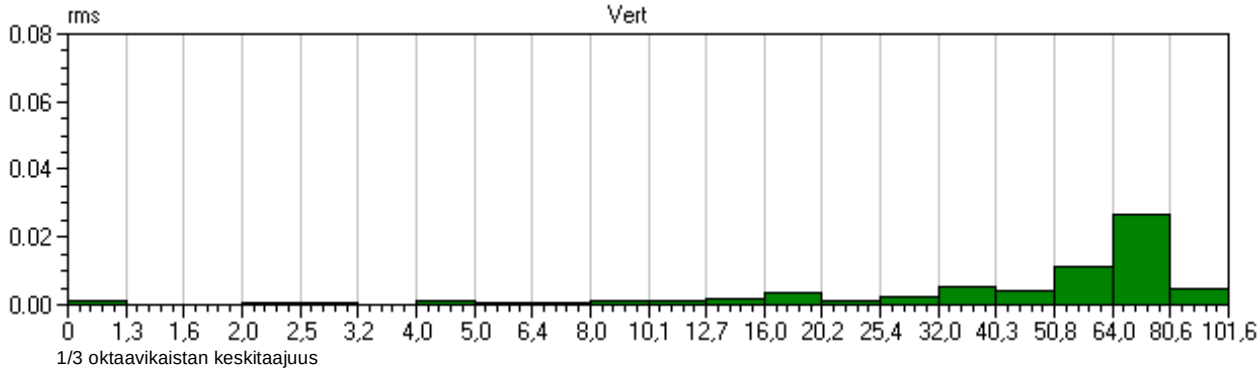


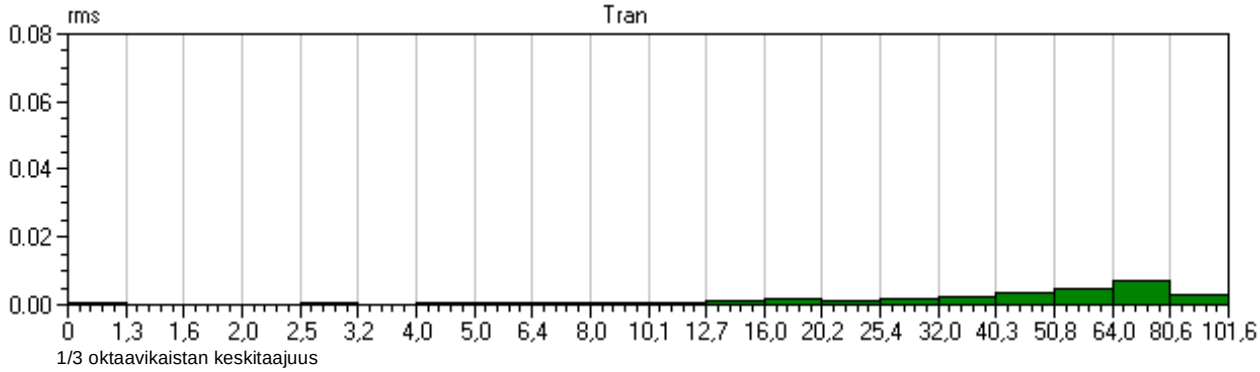
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:26** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 14:39:43 | *File Name:* | J544GD6E.270W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.190 | 0.190 | 0.216 | mm/s |
| *Freq* | 51 | 51 | 1.2 | | Hz |
| *Time of Peak* | 1.333 | 1.090 | 2.503 | 1.090 | Sec |
| *Peak Acceleration* | 0.00663 | 0.0116 | 0.00663 | | g |
| *Peak Displacement* | 0.00056 | 0.00555 | 0.0930 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,05** | **0,03** | **0,06** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,10** | **0,13** | mm/s |



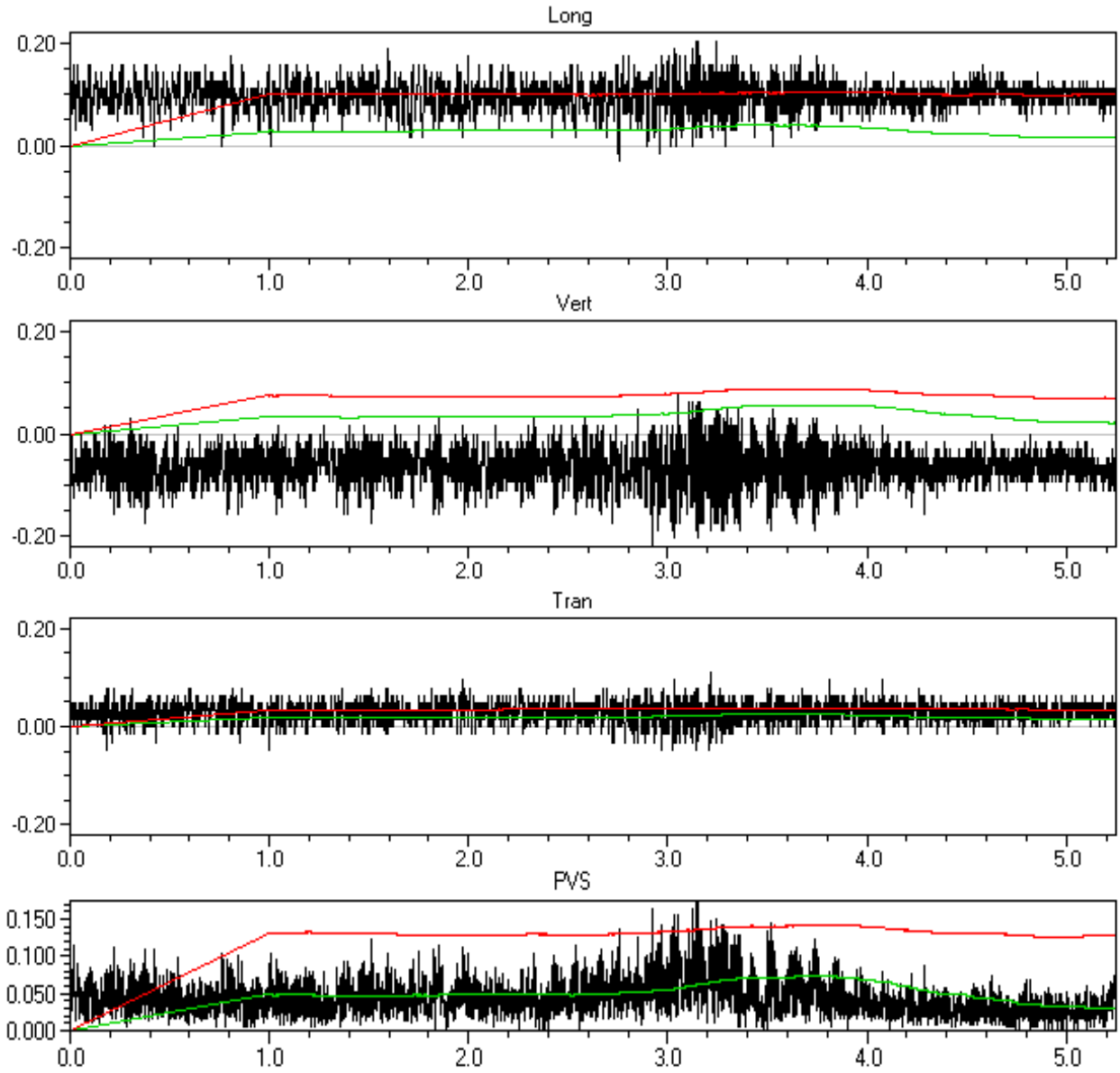



**BlastView RMS report. Generated: 19.5.2016 12:43:28** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 15:15:55 | *File Name:* | J544GD6F.QJ0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

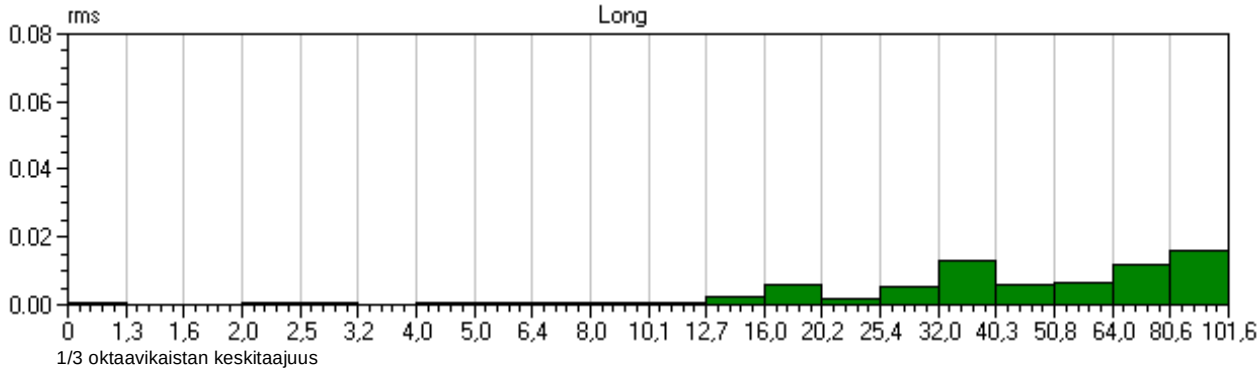
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.206 | 0.236 | mm/s |
| *Freq* | 51 | 47 | 21 | | Hz |
| *Time of Peak* | 2.962 | 2.674 | 2.896 | 2.781 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00056 | 0.00524 | 0.0339 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,06** | **0,04** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,10** | **0,14** | mm/s |

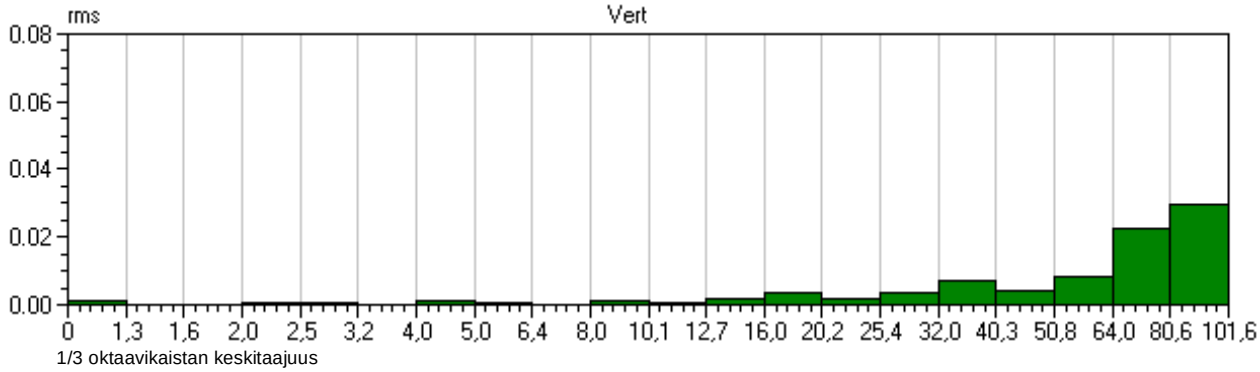


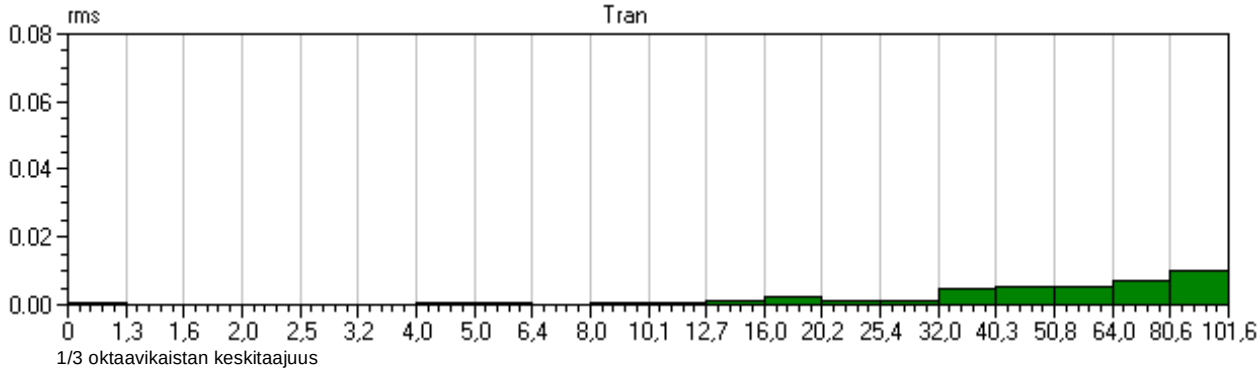
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:28** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 15:15:55 | *File Name:* | J544GD6F.QJ0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.206 | 0.236 | mm/s |
| *Freq* | 51 | 47 | 21 | | Hz |
| *Time of Peak* | 2.962 | 2.674 | 2.896 | 2.781 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00056 | 0.00524 | 0.0339 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,06** | **0,04** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,09** | **0,10** | **0,14** | mm/s |



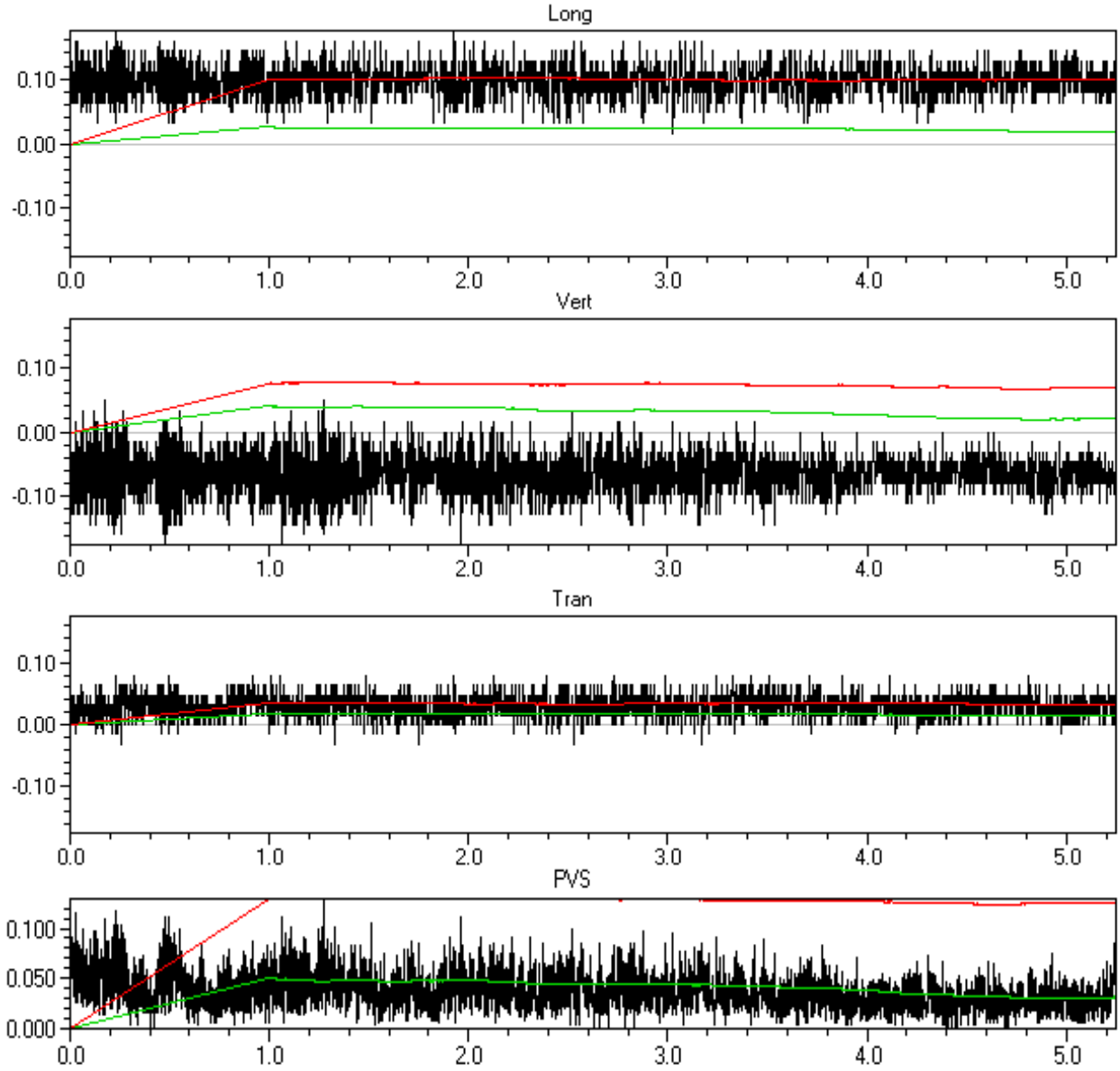



**BlastView RMS report. Generated: 19.5.2016 12:43:30** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 15:41:08 | *File Name:* | J544GD6G.WK0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

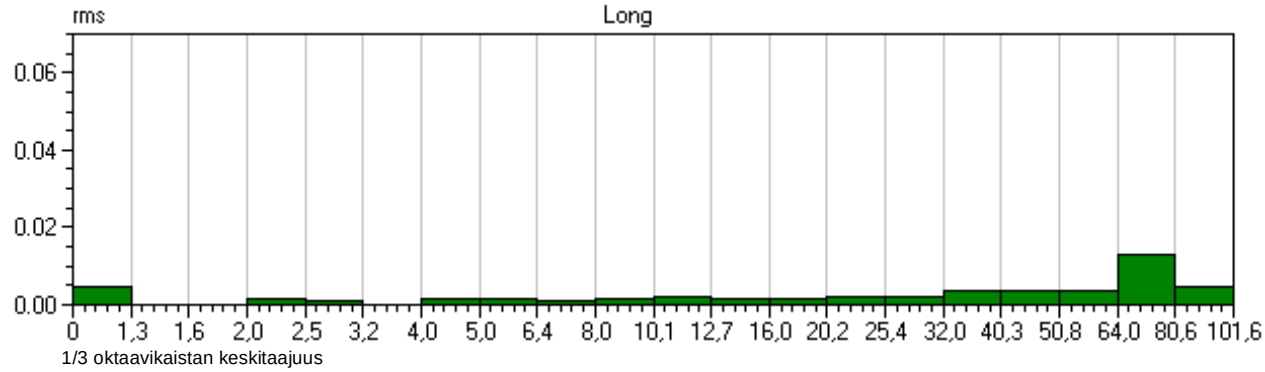
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.175 | 0.175 | 0.198 | mm/s |
| *Freq* | 51 | 51 | | | Hz |
| *Time of Peak* | -0.020 | 0.229 | -0.026 | 0.813 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00061 | 0.00571 | 0.146 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,10** | **0,13** | mm/s |

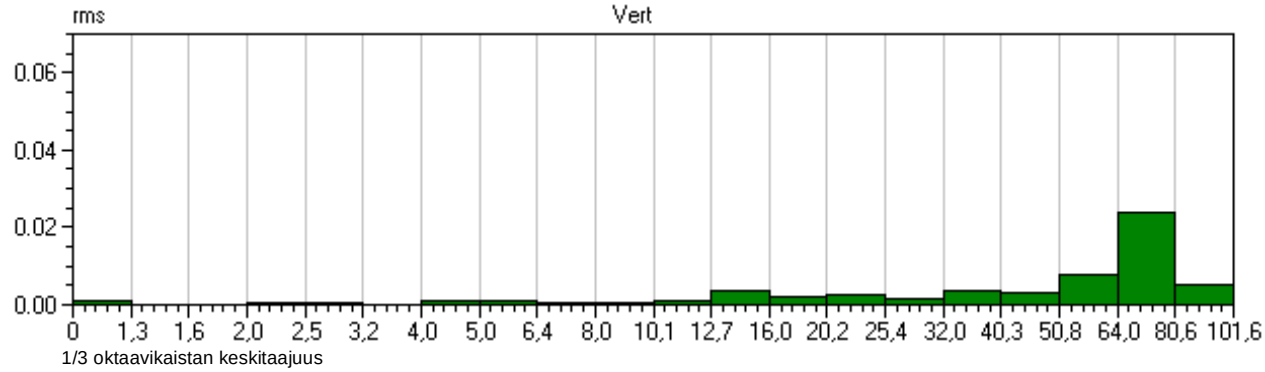


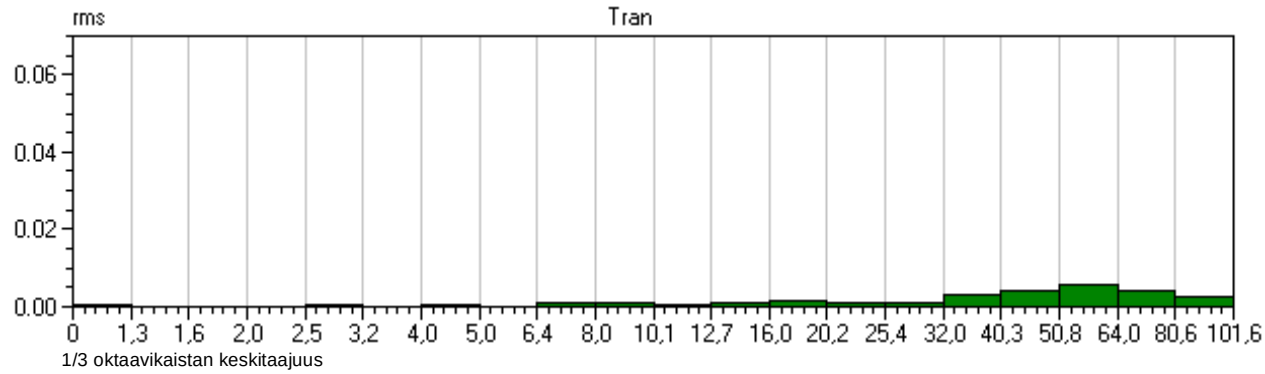
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:30** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 15:41:08 | *File Name:* | J544GD6G.WK0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.175 | 0.175 | 0.198 | mm/s |
| *Freq* | 51 | 51 | | | Hz |
| *Time of Peak* | -0.020 | 0.229 | -0.026 | 0.813 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00061 | 0.00571 | 0.146 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,10** | **0,13** | mm/s |



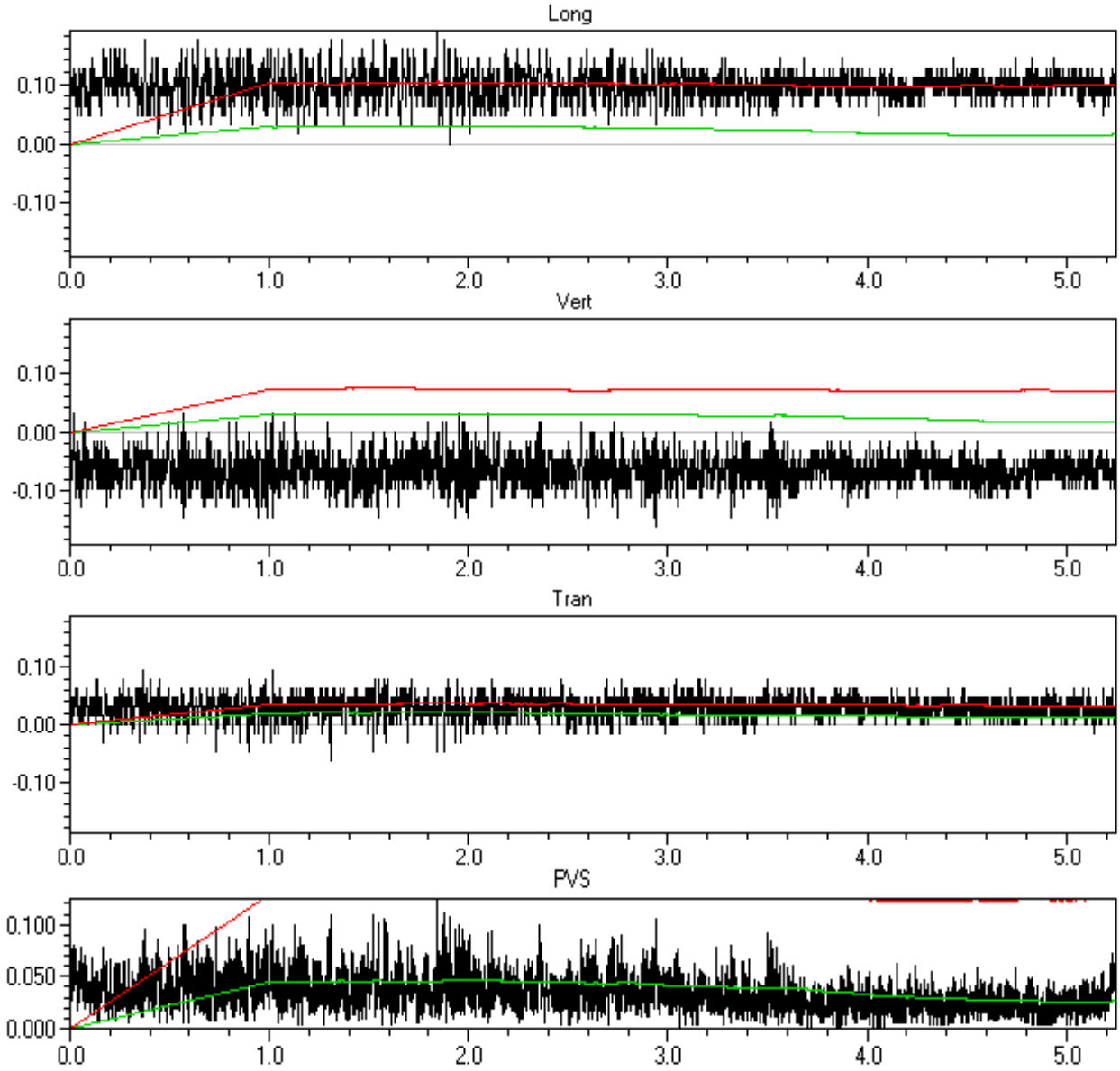



**BlastView RMS report. Generated: 19.5.2016 12:43:31** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:11:12 | *File Name:* | J544GD6I.AO0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

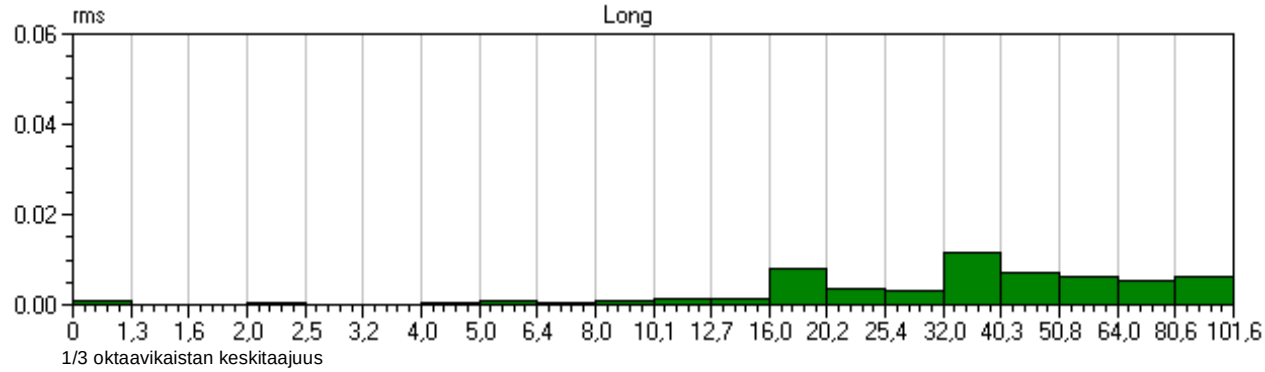
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.159 | 0.190 | 0.206 | mm/s |
| *Freq* | 51 | 14 | <1.0 | | Hz |
| *Time of Peak* | 0.117 | 2.693 | 1.590 | 2.467 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00663 | | g |
| *Peak Displacement* | 0.00065 | 0.00651 | 0.0376 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

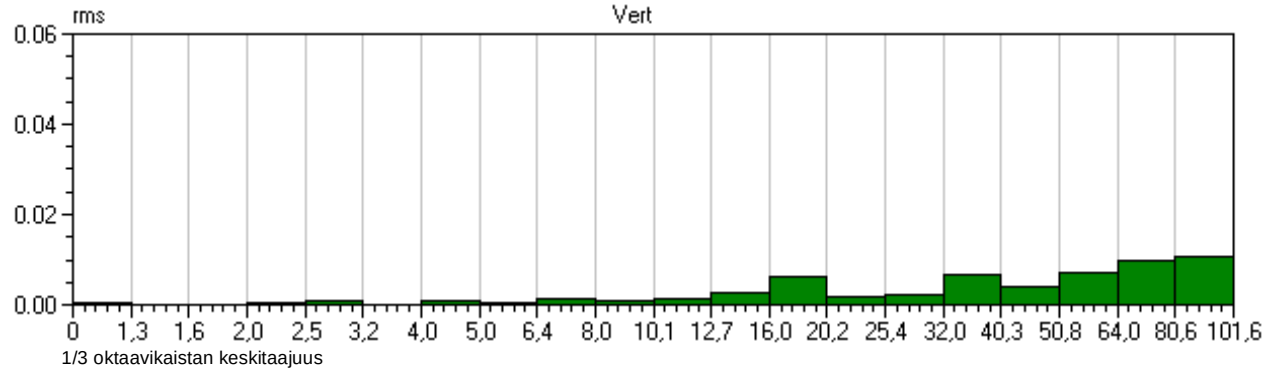


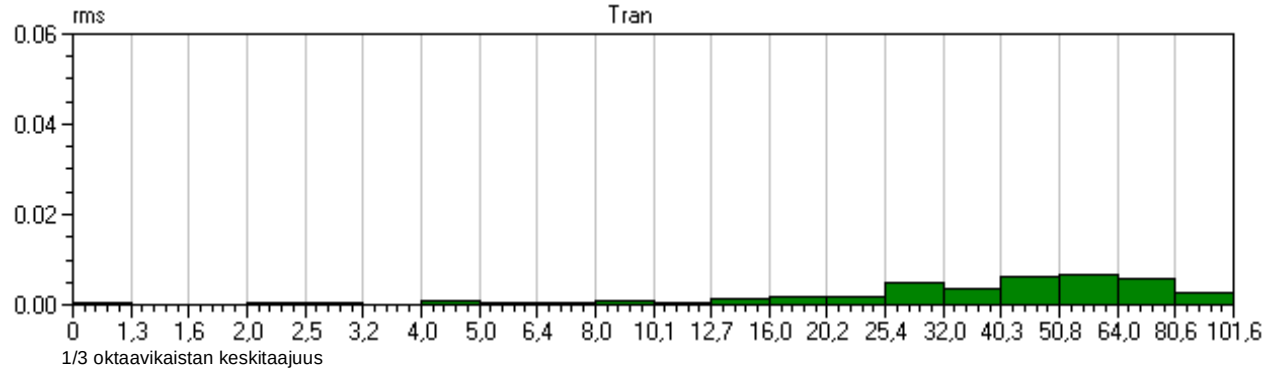
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:31** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:11:12 | *File Name:* | J544GD6I.AO0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.159 | 0.190 | 0.206 | mm/s |
| *Freq* | 51 | 14 | <1.0 | | Hz |
| *Time of Peak* | 0.117 | 2.693 | 1.590 | 2.467 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00663 | 0.00663 | | g |
| *Peak Displacement* | 0.00065 | 0.00651 | 0.0376 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



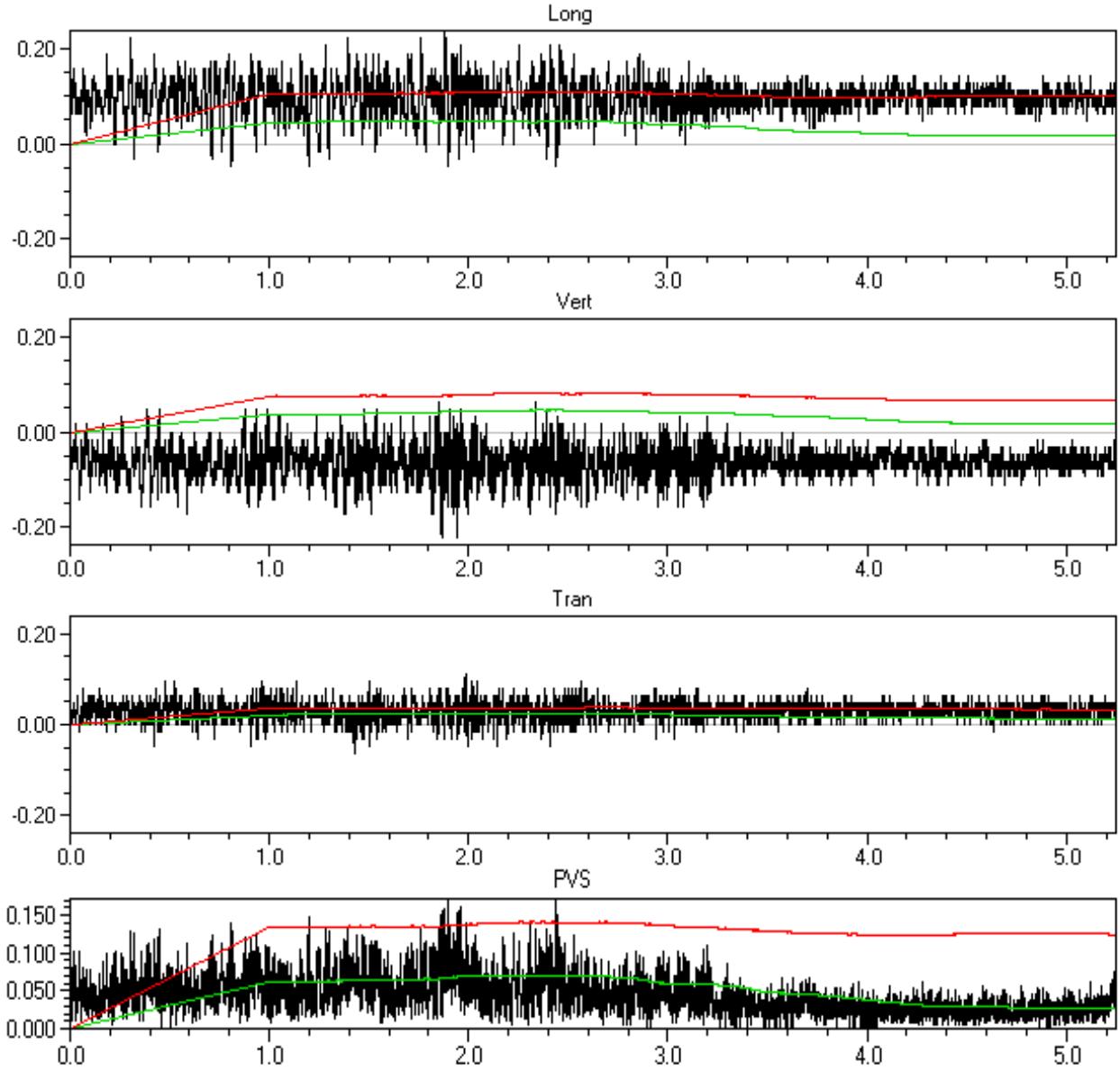



**BlastView RMS report. Generated: 19.5.2016 12:43:33** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:17:42 | *File Name:* | J544GD6I.LI0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

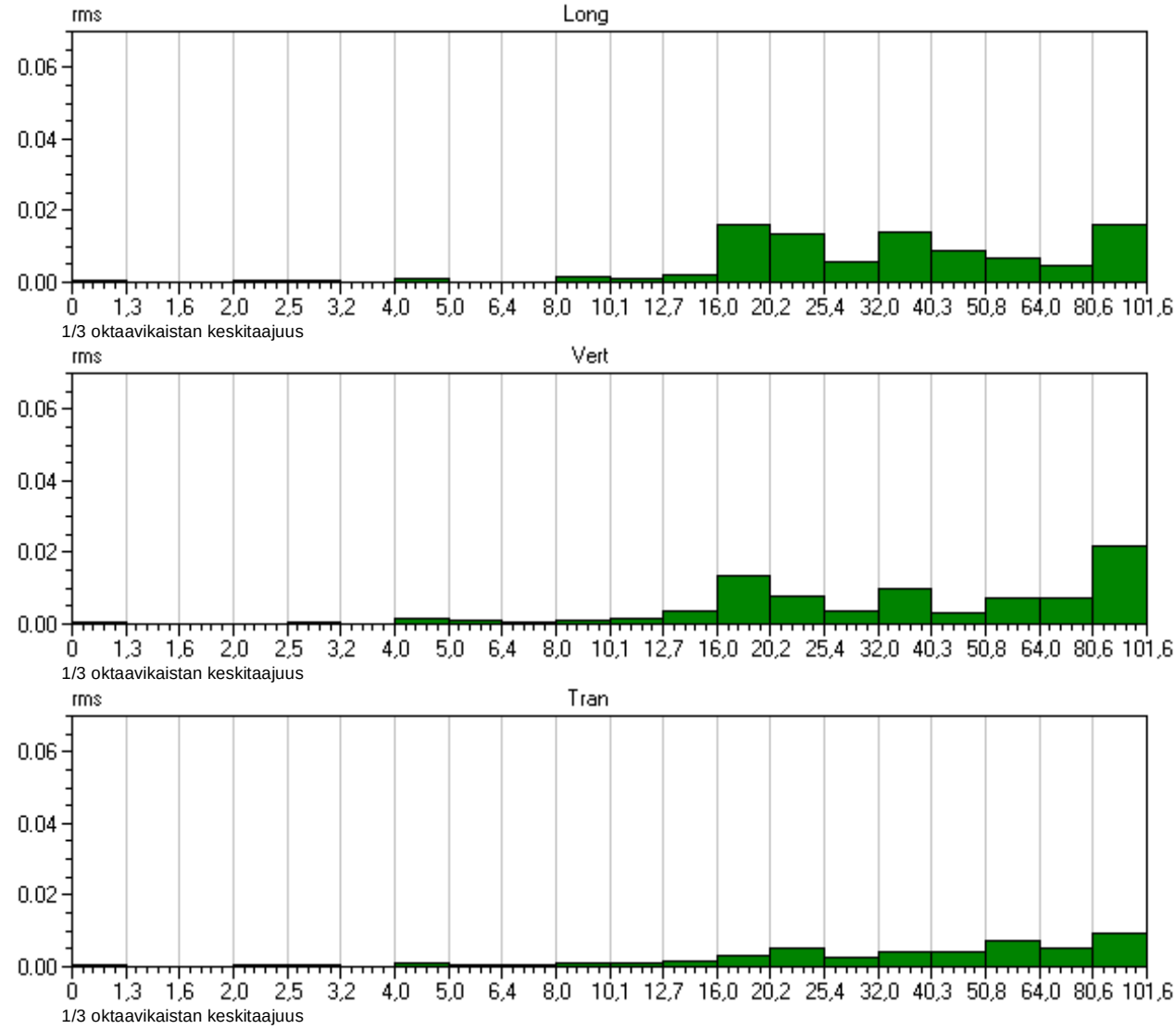
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.238 | 0.251 | mm/s |
| *Freq* | 57 | 23 | 12 | | Hz |
| *Time of Peak* | 1.733 | 1.614 | 1.630 | 1.028 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00047 | 0.00918 | 0.0106 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,05** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,11** | **0,14** | mm/s |



**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:33** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:17:42 | *File Name:* | J544GD6I.LI0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

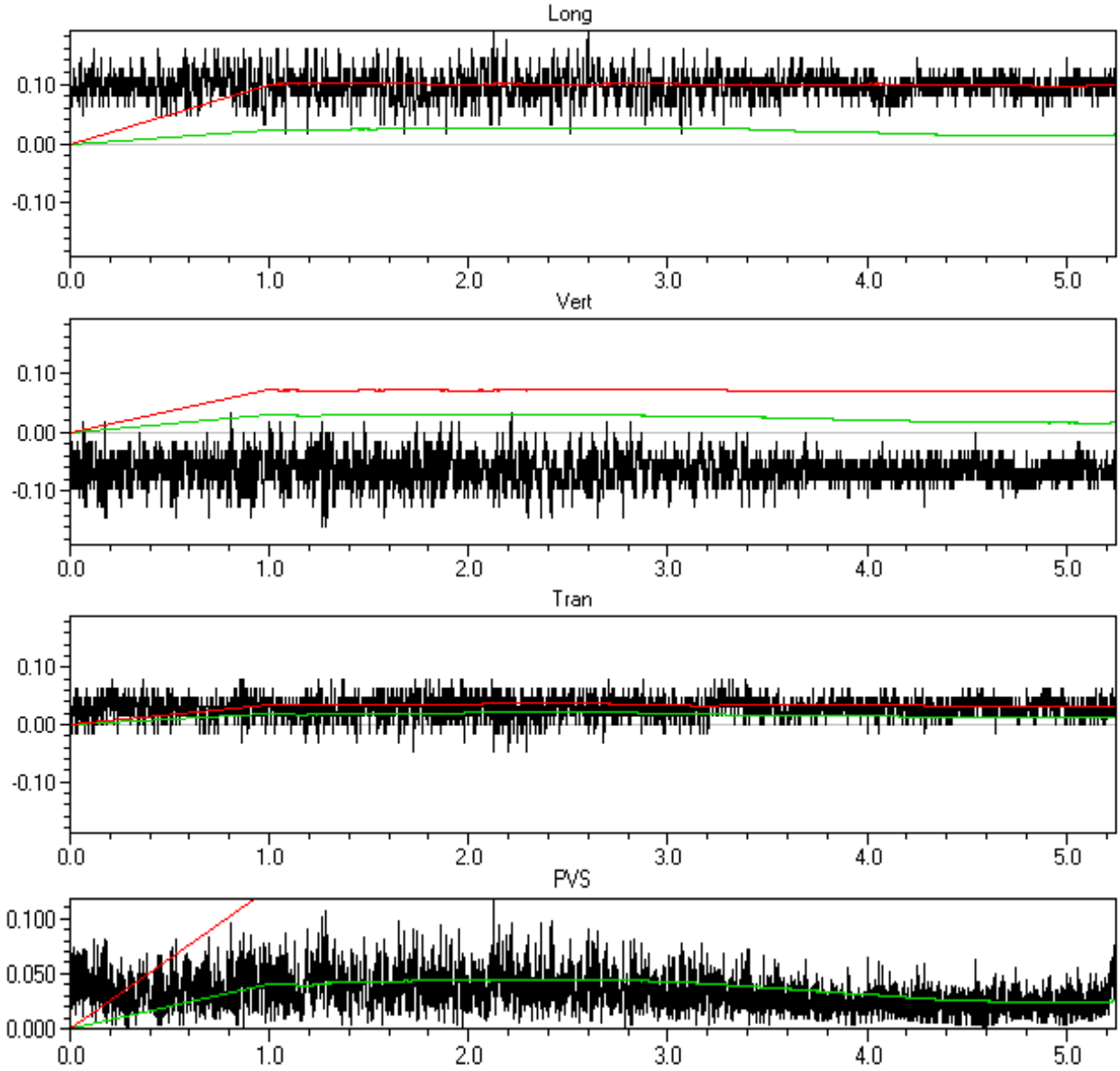
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.222 | 0.238 | 0.251 | mm/s |
| *Freq* | 57 | 23 | 12 | | Hz |
| *Time of Peak* | 1.733 | 1.614 | 1.630 | 1.028 | Sec |
| *Peak Acceleration* | 0.00829 | 0.00994 | 0.00829 | | g |
| *Peak Displacement* | 0.00047 | 0.00918 | 0.0106 | | mm |
| *RMS (1s fw 5.6)* | **0,03** | **0,05** | **0,05** | **0,07** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,11** | **0,14** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:43:35** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:39:17 | *File Name:* | J544GD6J.LH0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

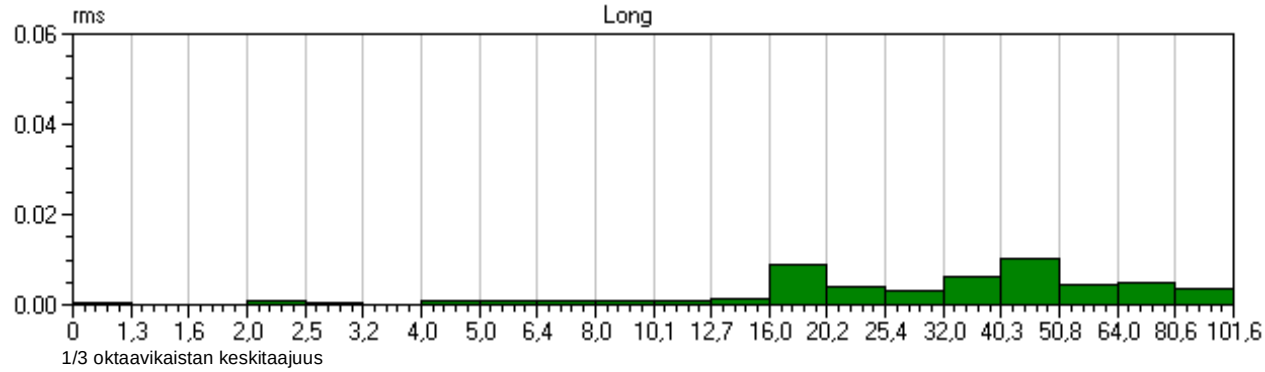
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.159 | 0.190 | 0.205 | mm/s |
| *Freq* | 34 | 23 | <1.0 | | Hz |
| *Time of Peak* | -0.037 | 1.018 | 1.871 | 2.401 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00663 | | g |
| *Peak Displacement* | 0.00066 | 0.0173 | 0.0525 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

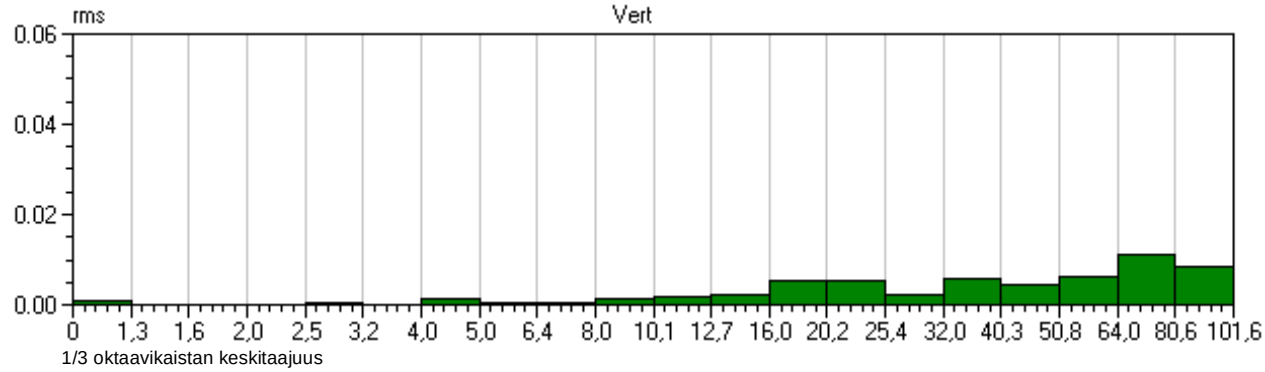


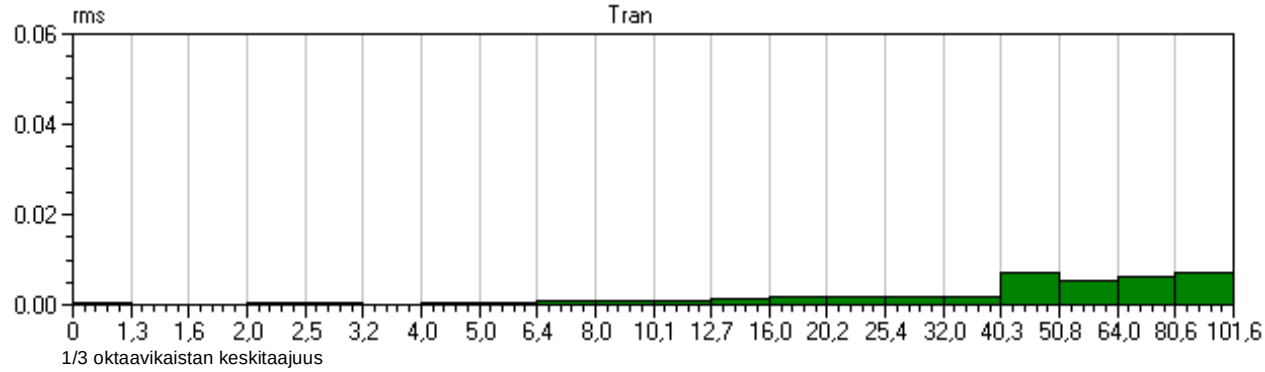
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:35** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:39:17 | *File Name:* | J544GD6J.LH0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.159 | 0.190 | 0.205 | mm/s |
| *Freq* | 34 | 23 | <1.0 | | Hz |
| *Time of Peak* | -0.037 | 1.018 | 1.871 | 2.401 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00663 | 0.00663 | | g |
| *Peak Displacement* | 0.00066 | 0.0173 | 0.0525 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



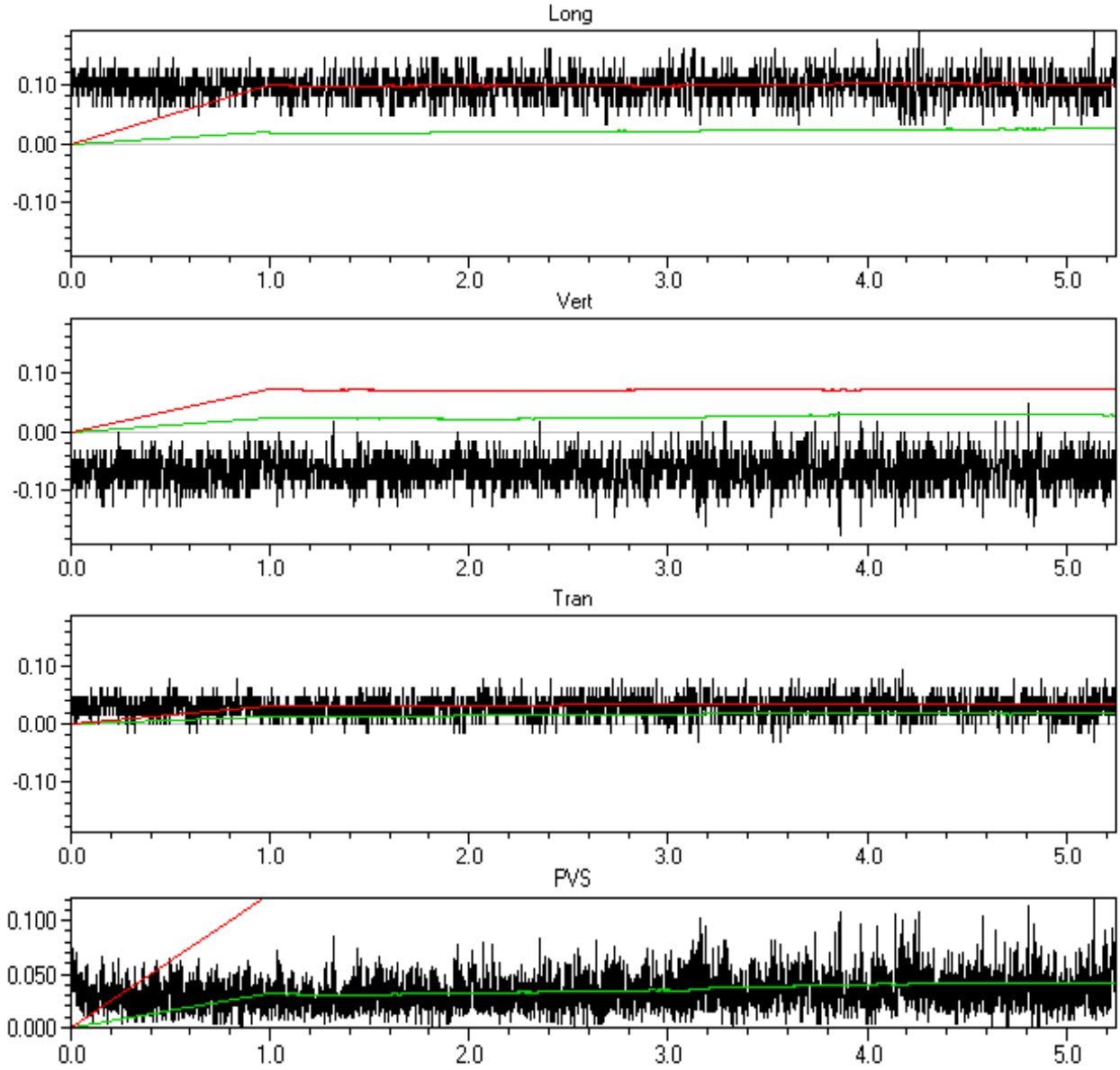



**BlastView RMS report. Generated: 19.5.2016 12:43:37** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:49:17 | *File Name:* | J544GD6K.250W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

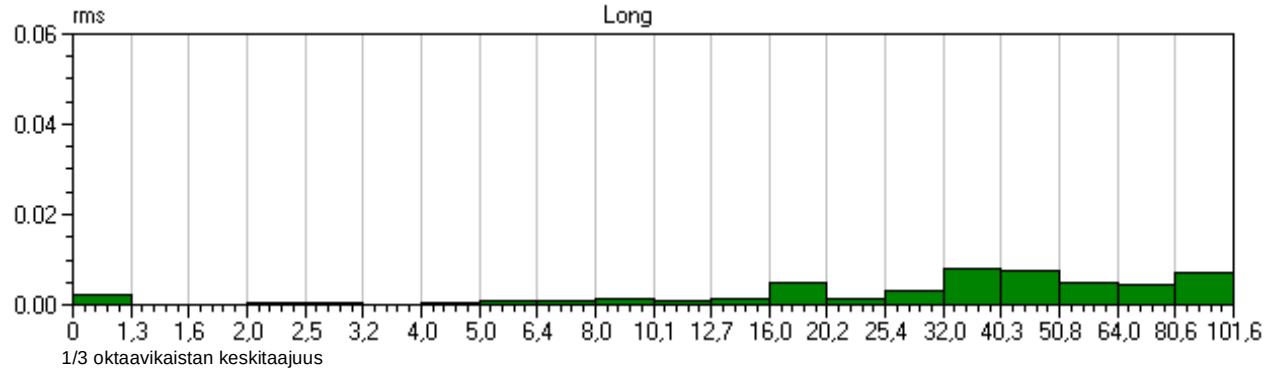
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.175 | 0.190 | 0.209 | mm/s |
| *Freq* | 57 | 13 | | | Hz |
| *Time of Peak* | 3.929 | 3.611 | 4.007 | 3.611 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00057 | 0.00826 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

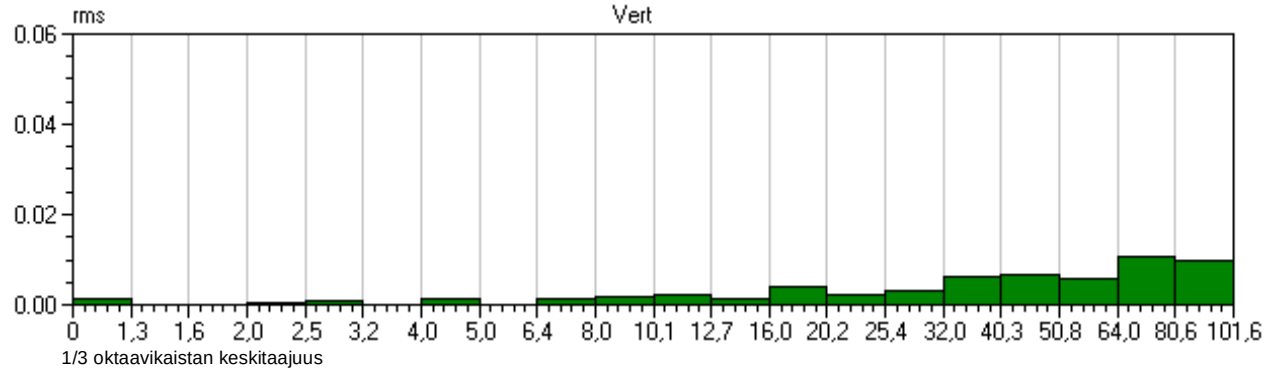


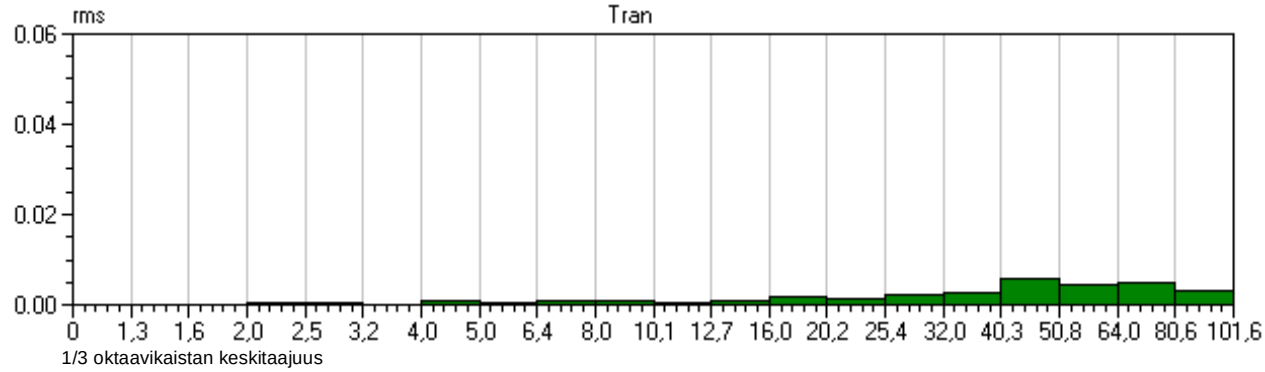
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:37** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:49:17 | *File Name:* | J544GD6K.250W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.175 | 0.190 | 0.209 | mm/s |
| *Freq* | 57 | 13 | | | Hz |
| *Time of Peak* | 3.929 | 3.611 | 4.007 | 3.611 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00057 | 0.00826 | 0.0 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,04** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



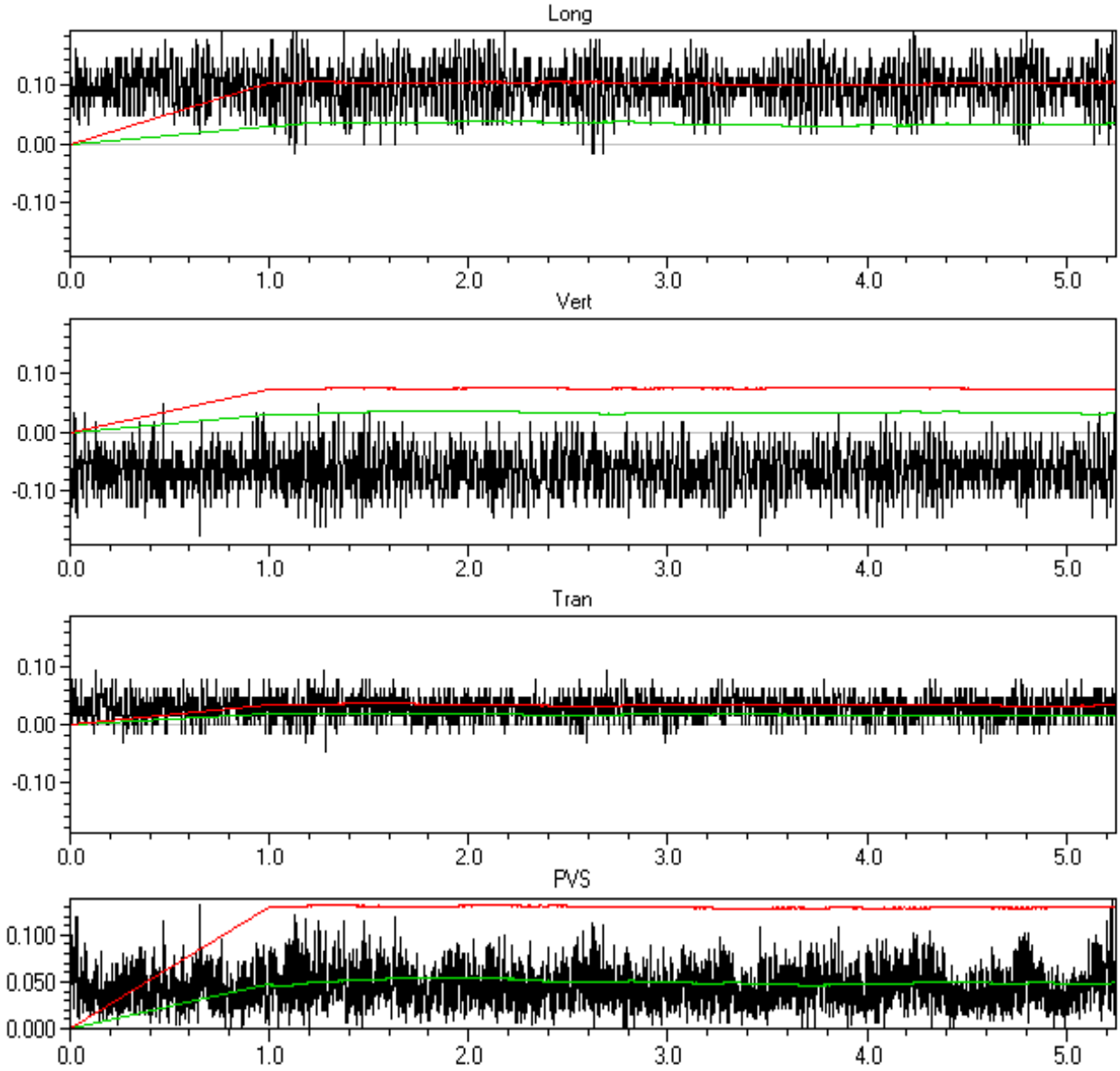



**BlastView RMS report. Generated: 19.5.2016 12:43:39** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:47 | *File Name:* | J544GD6K.9N0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

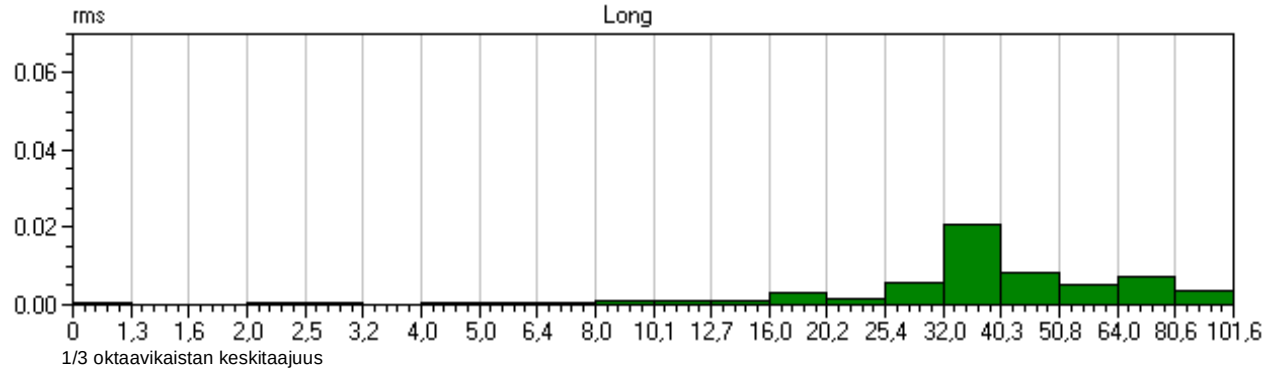
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.175 | 0.190 | 0.213 | mm/s |
| *Freq* | 43 | 9.5 | 1.3 | | Hz |
| *Time of Peak* | -0.121 | 0.397 | 0.510 | 4.979 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00079 | 0.00412 | 0.0315 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

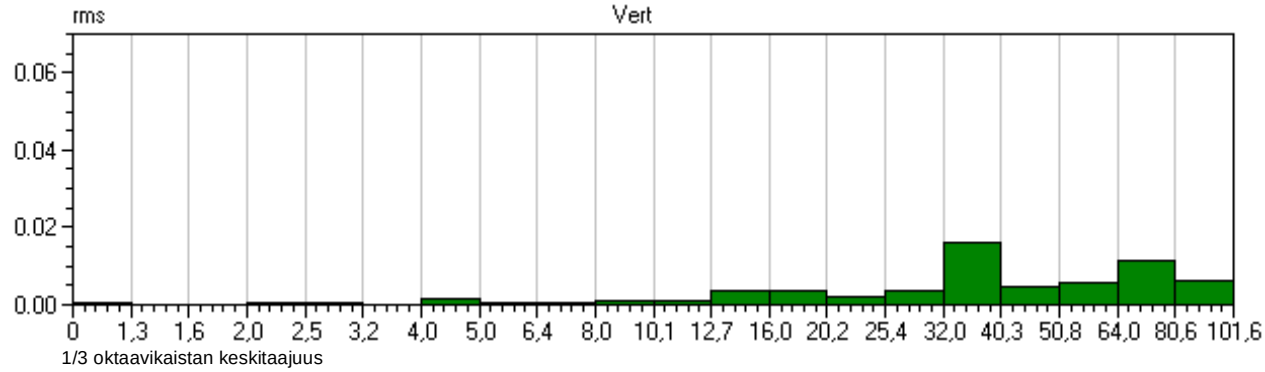


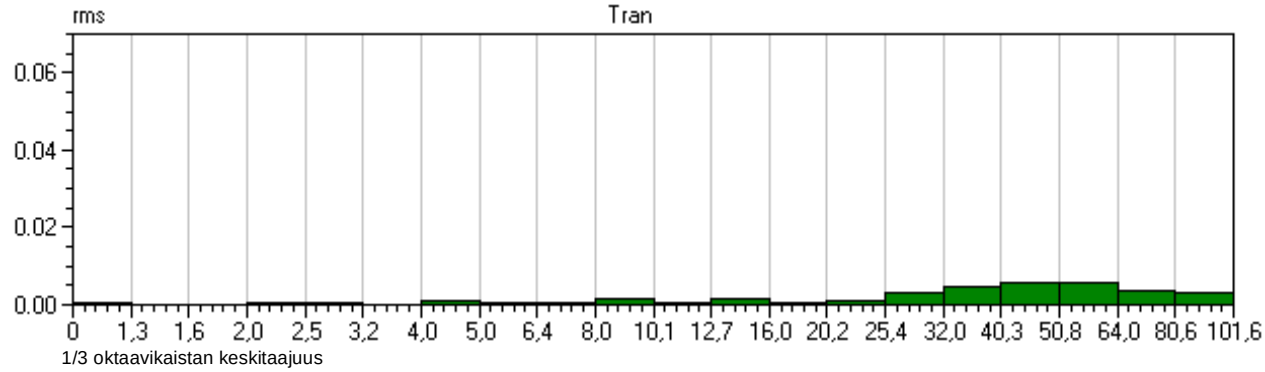
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:39** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:47 | *File Name:* | J544GD6K.9N0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.175 | 0.190 | 0.213 | mm/s |
| *Freq* | 43 | 9.5 | 1.3 | | Hz |
| *Time of Peak* | -0.121 | 0.397 | 0.510 | 4.979 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00079 | 0.00412 | 0.0315 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



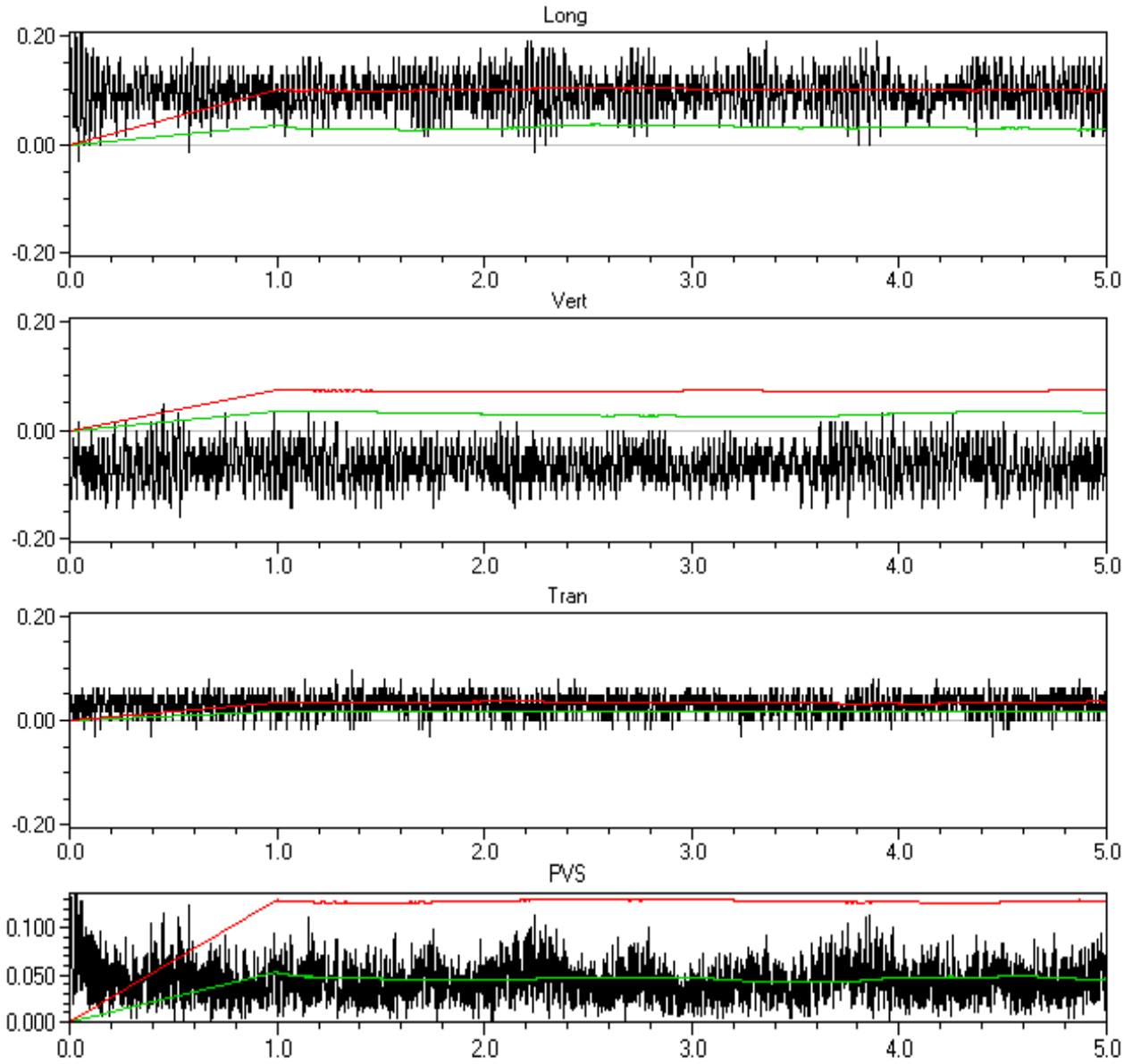



**BlastView RMS report. Generated: 19.5.2016 12:43:40** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:52 | *File Name:* | J544GD6K.9S0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

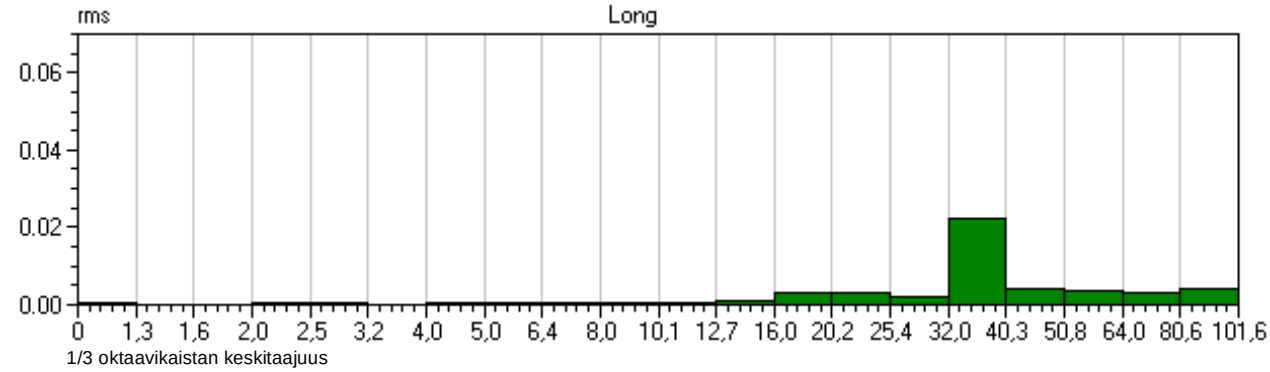
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.159 | 0.206 | 0.221 | mm/s |
| *Freq* | 37 | 27 | | | Hz |
| *Time of Peak* | 1.363 | 0.532 | 0.029 | 0.030 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00055 | 0.00705 | 0.0463 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

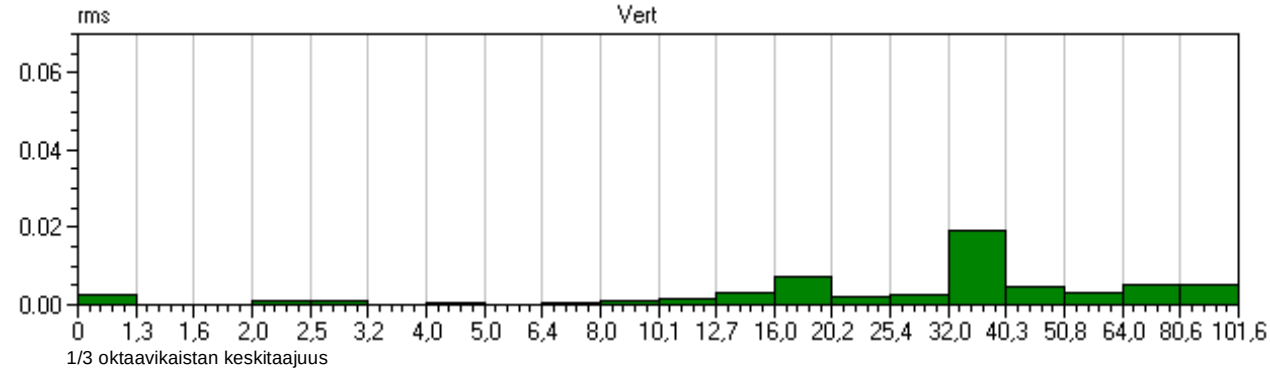


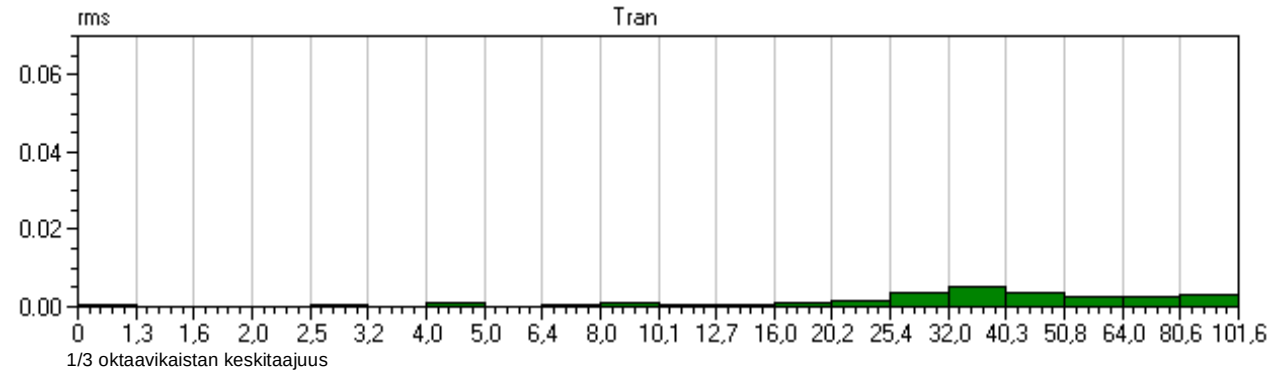
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:40** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:52 | *File Name:* | J544GD6K.9S0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0952 | 0.159 | 0.206 | 0.221 | mm/s |
| *Freq* | 37 | 27 | | | Hz |
| *Time of Peak* | 1.363 | 0.532 | 0.029 | 0.030 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00994 | 0.00663 | | g |
| *Peak Displacement* | 0.00055 | 0.00705 | 0.0463 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,04** | **0,04** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



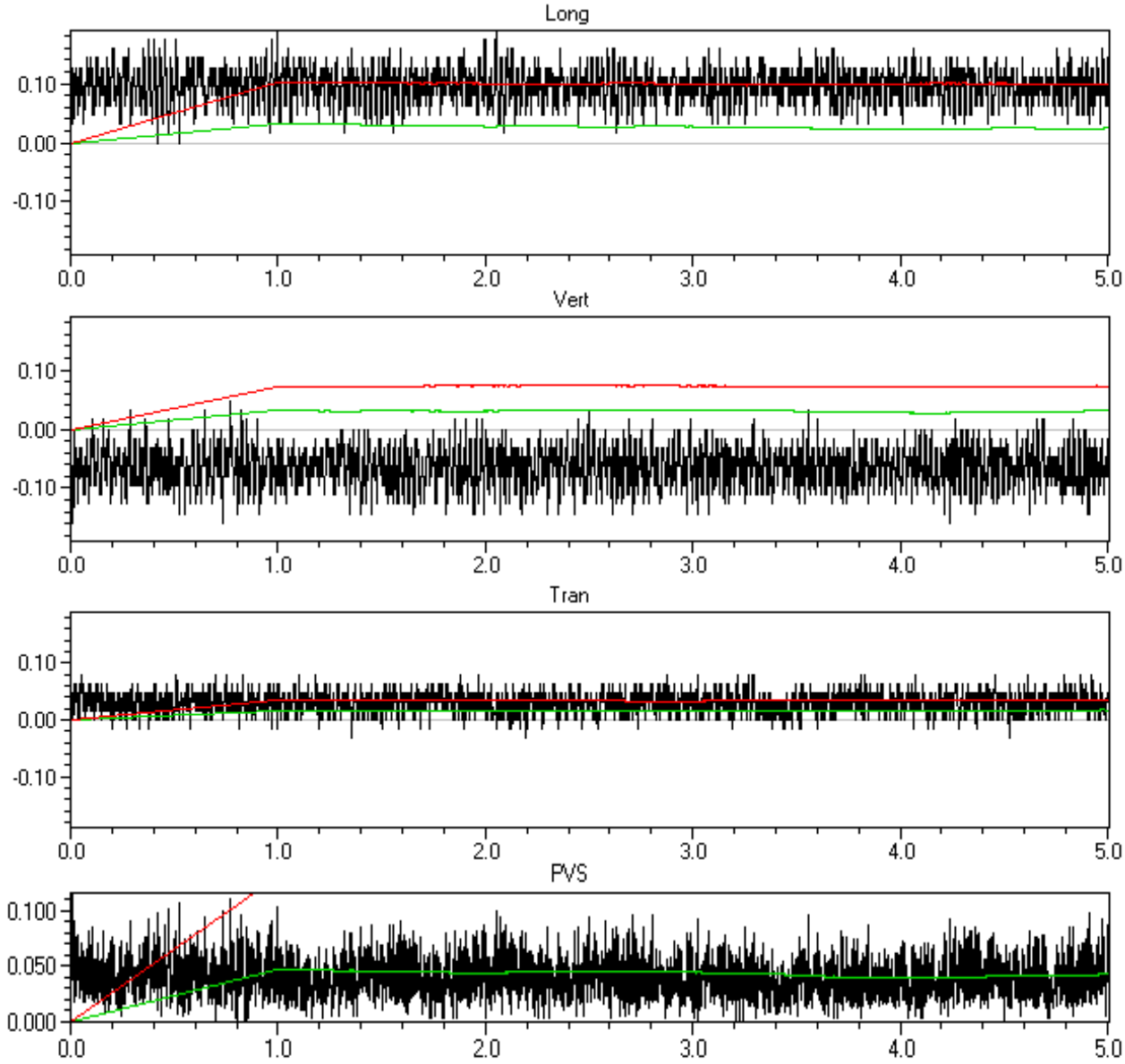



**BlastView RMS report. Generated: 19.5.2016 12:43:42** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:57 | *File Name:* | J544GD6K.9X0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

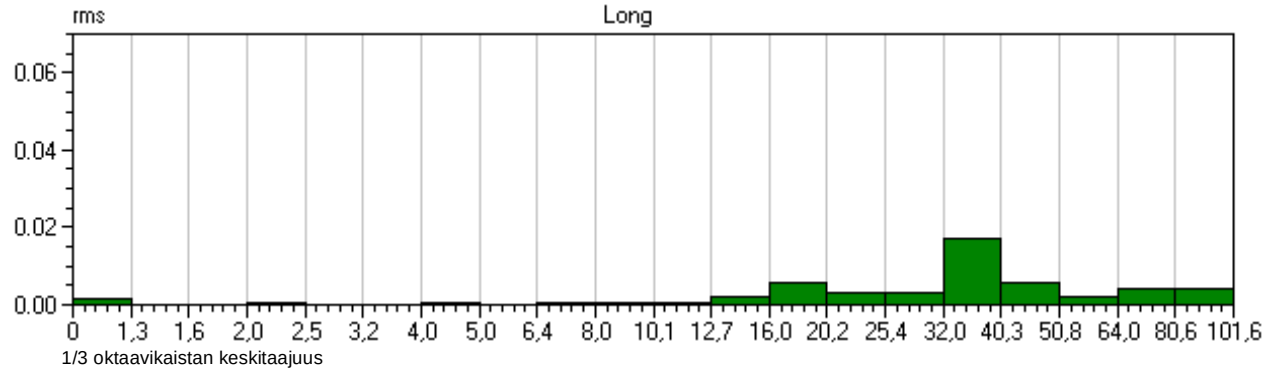
| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.159 | 0.190 | 0.206 | mm/s |
| *Freq* | 30 | | 1.4 | | Hz |
| *Time of Peak* | 0.041 | 0.001 | 0.984 | 0.363 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00051 | 0.00348 | 0.0262 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |

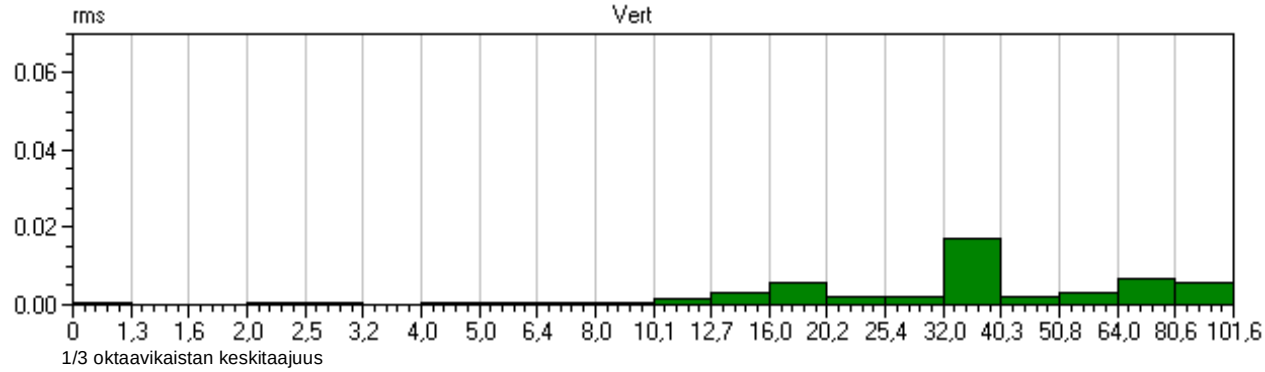


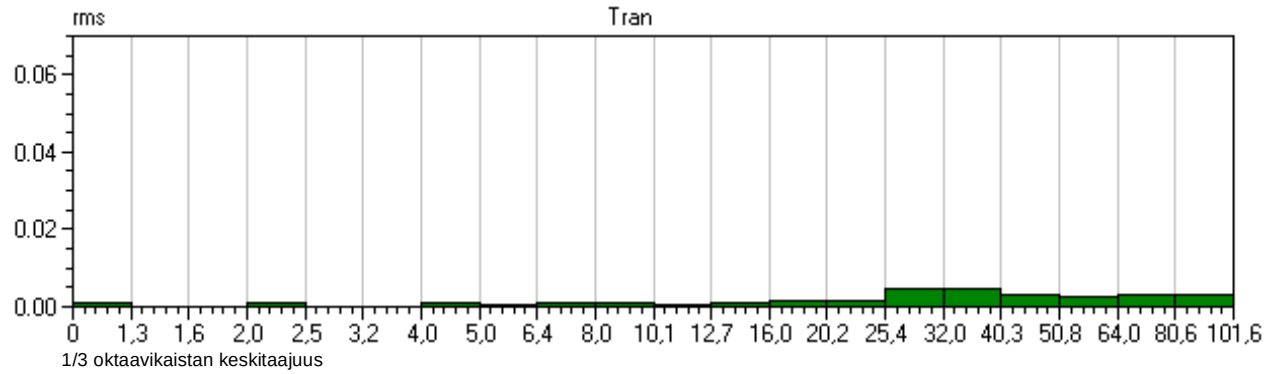
**BlastView RMS Frequency Band Analysis. Generated: 19.5.2016 12:43:42** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:53:57 | *File Name:* | J544GD6K.9X0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.0794 | 0.159 | 0.190 | 0.206 | mm/s |
| *Freq* | 30 | | 1.4 | | Hz |
| *Time of Peak* | 0.041 | 0.001 | 0.984 | 0.363 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00829 | | g |
| *Peak Displacement* | 0.00051 | 0.00348 | 0.0262 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,03** | **0,03** | **0,05** | mm/s |
| *RMS (1s)* | **0,04** | **0,07** | **0,10** | **0,13** | mm/s |



**BlastView RMS report. Generated: 19.5.2016 12:43:44** - **MP8**

| | | | |
|---|---|---|---|
| *Event Date:* | May 11, 2016 | *Serial Number:* | BE8544, V 8.01-8.0 MiniMate Plus |
| *Event Time:* | 16:59:13 | *File Name:* | J544GD6K.IP0W |
| *Location:* | Hollonranta, linja 4, 25 m radasta | *Trigger:* | Aux. |
| *Client:* | Destia Oy | *Record Time:* | 5.0 sec |
| *User Name:* | Kalliotekniikka Tampere | *Sample Rate:* | 1024 sps |
| *Job Number:* | 570 | *Calibration:* | August 25, 2015 by Kalliotekniikka Oy / HK |

| | *tran* | *vert* | *long* | *PVS* | |
|---|---|---|---|---|---|
| *PPV* | 0.111 | 0.206 | 0.190 | 0.237 | mm/s |
| *Freq* | 64 | 64 | <1.0 | | Hz |
| *Time of Peak* | 4.758 | 4.351 | 4.343 | 4.734 | Sec |
| *Peak Acceleration* | 0.00663 | 0.00829 | 0.00663 | | g |
| *Peak Displacement* | 0.00047 | 0.00640 | 0.0943 | | mm |
| *RMS (1s fw 5.6)* | **0,02** | **0,05** | **0,03** | **0,06** | mm/s |
| *RMS (1s)* | **0,04** | **0,08** | **0,10** | **0,14** | mm/s |