

| <b>FCC TEST REPORT</b><br><b>FCC 47 CFR Part 15C</b><br><b>Industry Canada RSS-210</b><br><b>Frequency hopping systems operating within the 2400 – 2483.5 MHz band</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                          |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------|--|-----------|-------|--|---------------------|------|--|---------------|----------|--|------------------|---------------------|--|-----------------------------|----------|--|--|--------------------|--------------------|--------------------|---------------|--|
| <b>Report Reference No.</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | G0M-1402-3635-TFC247BT-V01                                                                                                                                                                                                                                                                                               |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Testing Laboratory</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Eurofins Product Service GmbH                                                                                                                                                                                                                                                                                            |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Address</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Storkower Str. 38c<br>15526 Reichenwalde<br>Germany                                                                                                                                                                                                                                                                      |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Accreditation</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  <br>A2LA Accredited Testing Laboratory, Certificate No.: 1983.01<br>FCC Filed Test Laboratory, Reg.-No.: 96970<br>IC OATS Filing assigned code: 3470A |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Applicant's name</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TomTom International BV                                                                                                                                                                                                                                                                                                  |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Address</b> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Rembrandtplein 35<br>1017 CT Amsterdam<br>The Netherlands                                                                                                                                                                                                                                                                |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Test specification:</b><br>Standard ..... 47 CFR Part 15C<br>RSS-210, Issue 8, 2010-12<br>RSS-Gen, Issue 3, 2010-12<br>ANSI C63.4:2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                          |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Equipment under test (EUT):</b><br><table border="0"> <tr> <td>Product description</td> <td colspan="2">Telematics device with BT</td> </tr> <tr> <td>Model No.</td> <td colspan="2">L0100</td> </tr> <tr> <td>Additional Model(s)</td> <td colspan="2">None</td> </tr> <tr> <td>Brand Name(s)</td> <td colspan="2">LINK 100</td> </tr> <tr> <td>Hardware version</td> <td colspan="2">rbn_0_9_brd 31/2013</td> </tr> <tr> <td>Firmware / Software version</td> <td colspan="2">0.1.1468</td> </tr> <tr> <td></td> <td>FCC-ID: S4LLINK100</td> <td>IC: 5767A-LINK0100</td> </tr> <tr> <td><b>Test result</b></td> <td colspan="2"><b>Passed</b></td> </tr> </table> |                                                                                                                                                                                                                                                                                                                          | Product description | Telematics device with BT |  | Model No. | L0100 |  | Additional Model(s) | None |  | Brand Name(s) | LINK 100 |  | Hardware version | rbn_0_9_brd 31/2013 |  | Firmware / Software version | 0.1.1468 |  |  | FCC-ID: S4LLINK100 | IC: 5767A-LINK0100 | <b>Test result</b> | <b>Passed</b> |  |
| Product description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Telematics device with BT                                                                                                                                                                                                                                                                                                |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| Model No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L0100                                                                                                                                                                                                                                                                                                                    |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| Additional Model(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | None                                                                                                                                                                                                                                                                                                                     |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| Brand Name(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LINK 100                                                                                                                                                                                                                                                                                                                 |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| Hardware version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | rbn_0_9_brd 31/2013                                                                                                                                                                                                                                                                                                      |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| Firmware / Software version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.1.1468                                                                                                                                                                                                                                                                                                                 |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FCC-ID: S4LLINK100                                                                                                                                                                                                                                                                                                       | IC: 5767A-LINK0100  |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |
| <b>Test result</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Passed</b>                                                                                                                                                                                                                                                                                                            |                     |                           |  |           |       |  |                     |      |  |               |          |  |                  |                     |  |                             |          |  |  |                    |                    |                    |               |  |

Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Possible test case verdicts:**

- neither assessed nor tested .....: N/N
- required by standard but not appl. to test object.....: N/A
- required by standard but not tested.....: N/T
- not required by standard for the test object .....: N/R
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

**Testing:**

Test Lab Temperature.....: 20 – 23 °C

Test Lab Humidity .....: 32 – 38 %

Date of receipt of test item .....: 2014-03-26

Date (s) of performance of tests .....: 2014-03-26 - 2014-03-28

Compiled by .....: Wilfried Treffke

Tested by (+ signature).....: Wilfried Treffke

(Responsible for Test)

Approved by (+ signature) .....: Christian Weber

Date of issue .....: 2014-03-31

Total number of pages .....: 89

*W. Treffke*

*C. Weber*

**General remarks:**

**The test results presented in this report relate only to the object tested.**

**The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.**

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

**Additional comments:**

---

## Version History

| Version | Issue Date | Remarks         | Revised by |
|---------|------------|-----------------|------------|
| 01      | 2014-03-31 | Initial Release |            |

## REPORT INDEX

|          |                                                                    |           |
|----------|--------------------------------------------------------------------|-----------|
| <b>1</b> | <b>EQUIPMENT (TEST ITEM) DESCRIPTION</b>                           | <b>5</b>  |
| 1.1      | Photos – Equipment External                                        | 6         |
| 1.2      | Photos – Equipment internal                                        | 9         |
| 1.3      | Photos – Test setup                                                | 11        |
| 1.4      | Supporting Equipment Used During Testing                           | 12        |
| 1.5      | Test Modes                                                         | 13        |
| 1.6      | Test Equipment Used During Testing                                 | 14        |
| <b>2</b> | <b>RESULT SUMMARY</b>                                              | <b>16</b> |
| <b>3</b> | <b>TEST CONDITIONS AND RESULTS</b>                                 | <b>17</b> |
| 3.1      | Test Conditions and Results – Occupied Bandwidth                   | 17        |
| 3.2      | Test Conditions and Results – 20 dB Bandwidth                      | 21        |
| 3.3      | Test Conditions and Results – Number of hopping frequencies        | 25        |
| 3.4      | Test Conditions and Results – Frequency hopping channel separation | 29        |
| 3.5      | Test Conditions and Results – Time of occupancy (Dwell Time)       | 31        |
| 3.6      | Test Conditions and Results – Maximum peak conducted power         | 33        |
| 3.7      | Test Conditions and Results – Band edge compliance                 | 35        |
| 3.8      | Test Conditions and Results – Conducted spurious emissions         | 40        |
| 3.9      | Test Conditions and Results – Transmitter radiated emissions       | 44        |
| 3.10     | Test Conditions and Results – Receiver radiated emissions          | 46        |
| ANNEX A  | Transmitter radiated spurious emissions                            | 48        |
| ANNEX B  | Receiver radiated spurious emissions                               | 82        |

## 1 Equipment (Test item) Description

|                             |                                                                                                             |                                |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------|
| Description                 | Telematics device with BT                                                                                   |                                |
| Model                       | L0100                                                                                                       |                                |
| Additional Model(s)         | None                                                                                                        |                                |
| Brand Name(s)               | LINK 100                                                                                                    |                                |
| Serial number               | None                                                                                                        |                                |
| Hardware version            | rbn_0_9_brd 31/2013                                                                                         |                                |
| Software / Firmware version | 0.1.1468                                                                                                    |                                |
| FCC-ID                      | S4LLINK100                                                                                                  |                                |
| IC                          | 5767A-LINK0100                                                                                              |                                |
| Equipment type              | End product                                                                                                 |                                |
| Radio type                  | Transceiver                                                                                                 |                                |
| Radio technology            | Bluetooth                                                                                                   |                                |
| Operating frequency range   | 2402 - 2480 MHz                                                                                             |                                |
| Assigned frequency band     | 2400 - 2483.5 MHz                                                                                           |                                |
| Main test frequencies       | F <sub>LOW</sub>                                                                                            | 2402 MHz                       |
|                             | F <sub>MID</sub>                                                                                            | 2441 MHz                       |
|                             | F <sub>HIGH</sub>                                                                                           | 2480 MHz                       |
| Spreading                   | FHSS                                                                                                        |                                |
| Modulations                 | GFSK                                                                                                        |                                |
| Number of channels          | 79 hopping channels at all                                                                                  |                                |
| Channel spacing             | 1 MHz                                                                                                       |                                |
| Number of antennas          | 1                                                                                                           |                                |
| Antenna                     | Type                                                                                                        | integrated                     |
|                             | Model                                                                                                       | ALA321C3                       |
|                             | Manufacturer                                                                                                | Amotech                        |
|                             | Gain                                                                                                        | 0.0 dBi (declared by customer) |
| Manufacturer                | Quanta Computer Inc.<br>No.211, Wen Hwa 2nd Road., Kuei Shan Hsiang<br>33377 Tao Yuan Shien<br>Taiwan (ROC) |                                |
| Power supply                | V <sub>NOM</sub>                                                                                            | 12 VDC                         |
|                             | V <sub>MIN</sub>                                                                                            | 9.0 VDC                        |
|                             | V <sub>Max</sub>                                                                                            | 30.0 VDC                       |
| AC/DC-Adaptor               | Model                                                                                                       | N/A                            |
|                             | Vendor                                                                                                      | N/A                            |
|                             | Input                                                                                                       | N/A                            |
|                             | Output                                                                                                      | N/A                            |

## 1.1 Photos – Equipment External



**EUT BOTTOM**



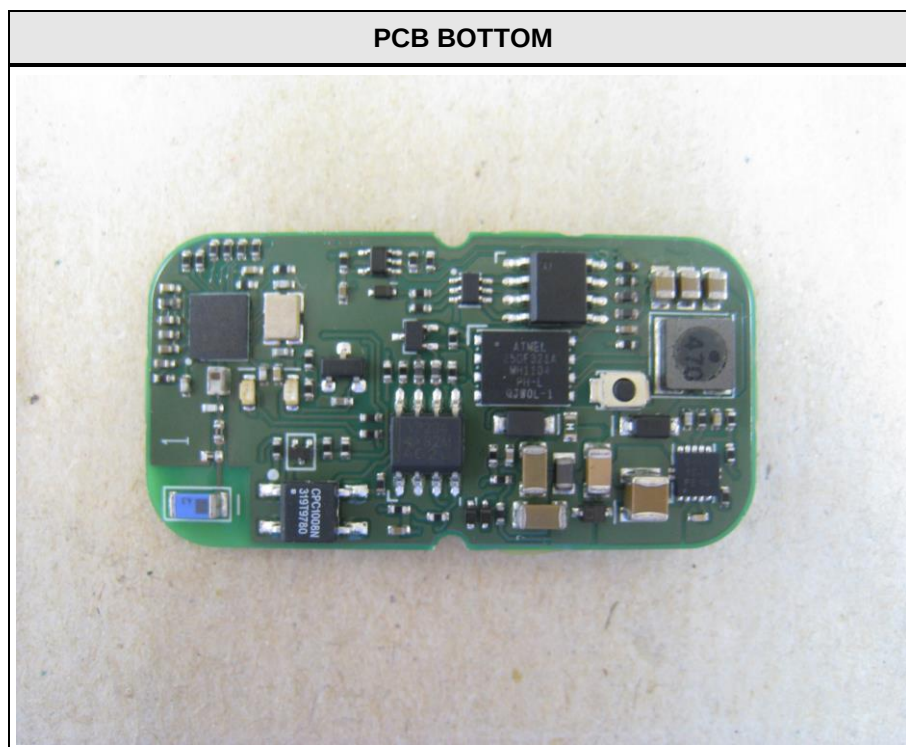
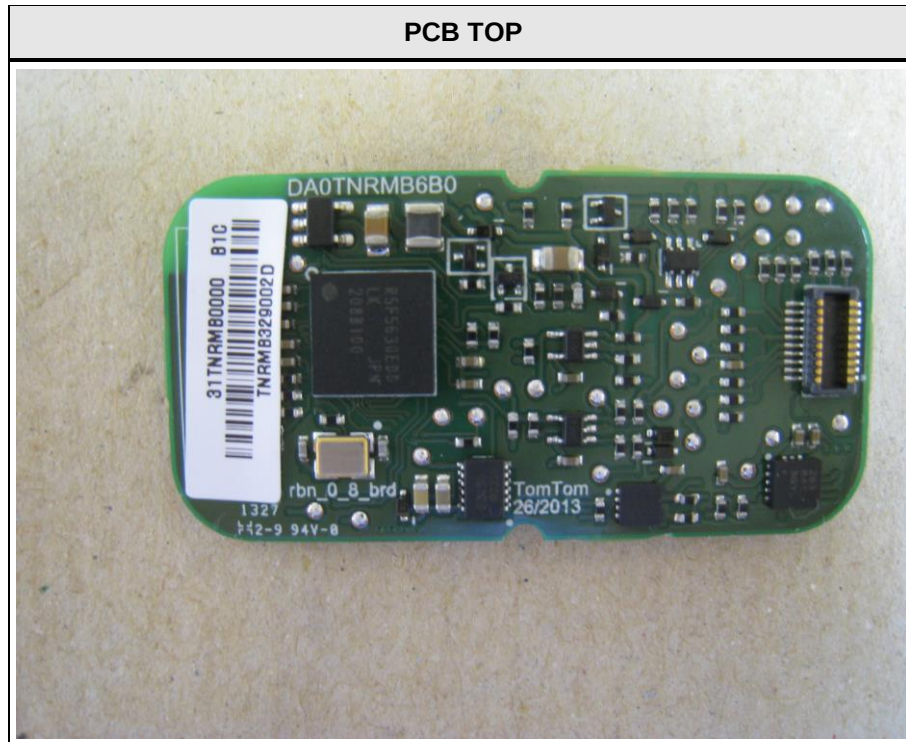
**EUT CONNECTORS**



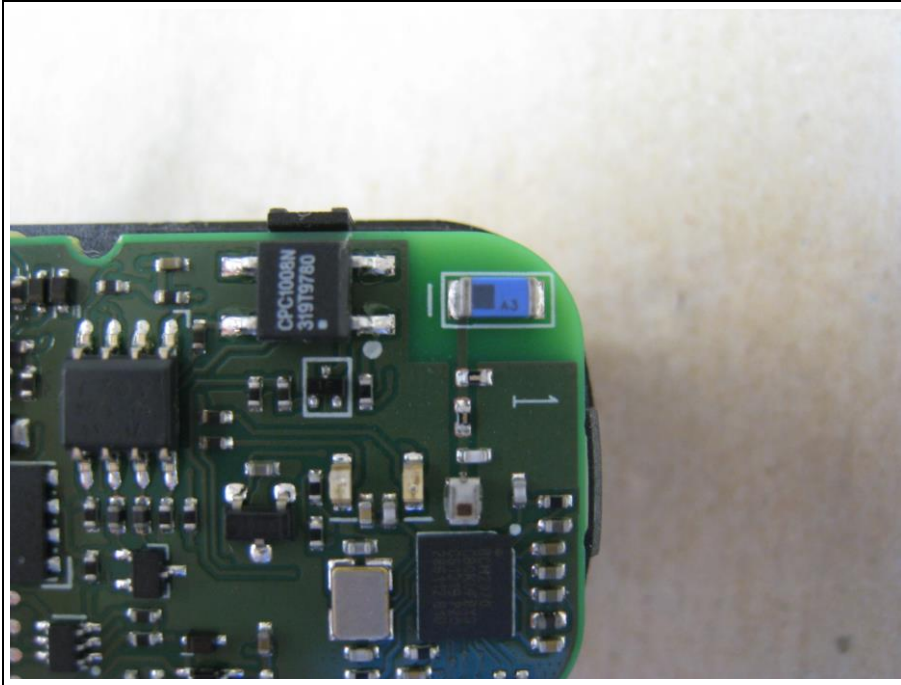
EUT OPEN



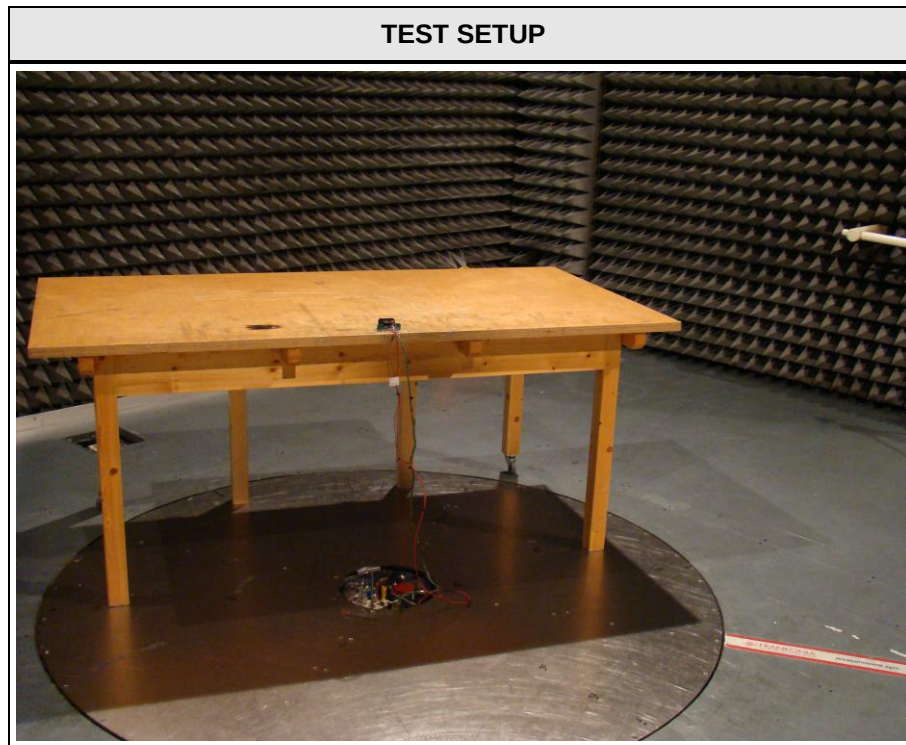
## 1.2 Photos – Equipment internal



PCB WITH CHIP-ANTENNA



### 1.3 Photos – Test setup



#### 1.4 Supporting Equipment Used During Testing

| Product Type*                                                                                                                                                                       | Device | Manufacturer | Model No. | Comments |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------|----------|
| None                                                                                                                                                                                |        |              |           |          |
| <p><b>*Note:</b> Use the following abbreviations:</p> <p>AE : Auxiliary/Associated Equipment, or</p> <p>SIM : Simulator (Not Subjected to Test)</p> <p>CABL : Connecting cables</p> |        |              |           |          |

## 1.5 Test Modes

| Mode #       | Description         |                                                                                                                                                                                                  |
|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DH5-Sngl     | General conditions: | EUT powered by laboratory power supply.                                                                                                                                                          |
|              | Radio conditions:   | Mode = standalone transmit<br>Spreading = Hopping stopped (single hopping channel)<br>Modulation = GFSK<br>Packet type = DH5<br>Data rate = 1 Mbps<br>Duty cycle = 78 %<br>Power level = Maximum |
| DH5-Hop      | General conditions: | EUT powered by laboratory power supply.                                                                                                                                                          |
|              | Radio conditions:   | Mode = standalone transmit<br>Spreading = Hopping<br>Modulation = GFSK<br>Packet type = DH5<br>Data rate = 1 Mbps<br>Duty cycle = 78 %<br>Power level = Maximum                                  |
| Receive      | General conditions: | EUT powered by laboratory power supply.                                                                                                                                                          |
|              | Radio conditions:   | Mode = standalone receive<br>Spreading = Hopping                                                                                                                                                 |
| AC-Powerline | General conditions: | EUT powered by commercial AC/DC-Adapter                                                                                                                                                          |
|              | Radio conditions:   | Mode = standalone transmit<br>Spreading = Hopping<br>Power level = Maximum                                                                                                                       |

## 1.6 Test Equipment Used During Testing

| Measurement Software |                  |            |         |
|----------------------|------------------|------------|---------|
| Description          | Manufacturer     | Name       | Version |
| EMC Test Software    | Dare Instruments | Radimation | 5.8.37  |

| 20dB Bandwidth    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Number of hopping frequencies |              |        |            |           |          |
|-------------------------------|--------------|--------|------------|-----------|----------|
| Description                   | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer             | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Time of occupancy |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Maximum peak conducted power |              |        |            |           |          |
|------------------------------|--------------|--------|------------|-----------|----------|
| Description                  | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer            | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Band edge compliance |              |        |            |           |          |
|----------------------|--------------|--------|------------|-----------|----------|
| Description          | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer    | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Conducted spurious emissions |              |        |            |           |          |
|------------------------------|--------------|--------|------------|-----------|----------|
| Description                  | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer            | R&S          | FSP 30 | EF00312    | 2014-02   | 2015-02  |

| Radiated spurious emissions |              |        |            |           |          |
|-----------------------------|--------------|--------|------------|-----------|----------|
| Description                 | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Semi-anechoic chamber       | Frankonia    | AC 5   | EF00395    | -         | -        |
| Spectrum Analyzer           | R&S          | FSIQ26 | EF00242    | 2013-06   | 2014-06  |
| Biconical Antenna           | R&S          | HK 116 | EF00012    | 2013-02   | 2016-02  |
| LPD antenna                 | R&S          | HL 223 | EF00202    | 2014-02   | 2016-02  |
| LPD Antenna                 | R&S          | HL 025 | EF00327    | 2013-02   | 2016-02  |

Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

### Reading:

This is the reading obtained on the spectrum analyzer in dBμV. Any external preamplifiers used are taken into account through internal analyzer settings.

### A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB)} = \text{Net field strength (dB}\mu\text{V/m)}$$

### Net:

This is the net field strength measurement (as shown above).

### Limit:

This is the FCC Class B radiated emission limit (in units of dBμV/m). The FCC limits are given in units of μV/m. The following formula is used to convert the units of μV/m to dBμV/m:

$$\text{Limit (dB}\mu\text{V/m)} = 20 \cdot \log (\mu\text{V/m})$$

### Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

### Example only:

$$\begin{array}{rclcl} \text{Reading} & + & \text{AF} & = & \text{Net Reading} & : & \text{Net reading - FCC limit} & = & \text{Margin} \\ 21.5 \text{ dB}\mu\text{V} & + & 26 \text{ dB} & = & 47.5 \text{ dB}\mu\text{V/m} & : & 47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} & = & -9.5 \text{ dB} \end{array}$$

## 2 Result Summary

| FCC 47 CFR Part 15C, IC RSS-210                                                          |                                         |                                             |        |                     |
|------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------|--------|---------------------|
| Product Specific Standard Section                                                        | Requirement – Test                      | Reference Method                            | Result | Remarks             |
| RSS-Gen 4.6.1                                                                            | Occupied Bandwidth                      | RSS-Gen 4.6.1                               | N/R    | Informational only  |
| FCC § 15.247(a)(1)<br>IC RSS-210 § A8.1                                                  | 20 dB Bandwidth                         | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(a)(1)(iii)<br>IC RSS-210 § A8.1                                             | Number of hopping frequencies           | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(a)(1)<br>IC RSS-210 § A8.1                                                  | Frequency hopping channel separation    | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(a)(1)(iii)<br>IC RSS-210 § A8.1                                             | Time of occupancy (Dwell time)          | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(b)(1)<br>IC RSS-210 § A8.4                                                  | Maximum peak conducted power            | Public notice<br>DA 00-705                  | PASS   |                     |
| 47 CFR 15.207<br>RSS-Gen 7.2.4                                                           | AC power line conducted emissions       | ANSI C63.4                                  | N/R    | EUT battery powered |
| FCC § 15.247(d)<br>IC RSS-210 § A8.5                                                     | Band edge compliance                    | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(d)<br>IC RSS-210 § A8.5                                                     | Conducted spurious emissions            | Public notice<br>DA 00-705                  | PASS   |                     |
| FCC § 15.247(d)<br>FCC § 15.209<br>IC RSS-210 A8.5<br>IC RSS-Gen 4.9<br>IC RSS-Gen 7.2.5 | Transmitter radiated spurious emissions | Public notice<br>DA 00-705 /<br>ANSI C 63.4 | PASS   |                     |
| IC RSS-Gen 4.10<br>IC RSS-Gen 6.1                                                        | Receiver radiated spurious emissions    | ANSI C 63.4                                 | PASS   |                     |
| Remarks:                                                                                 |                                         |                                             |        |                     |

### 3 Test Conditions and Results

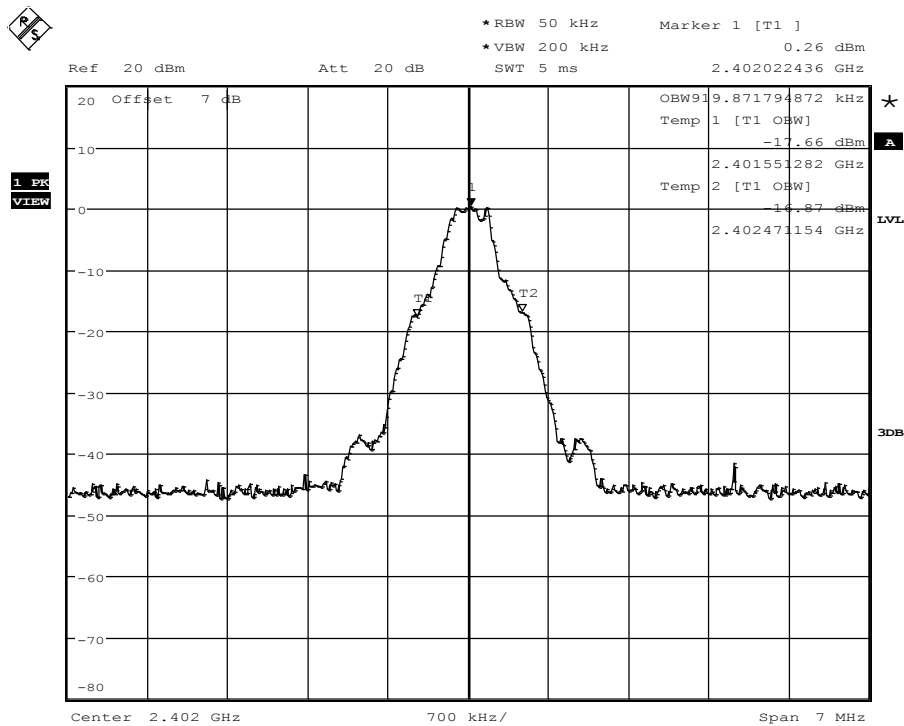
#### 3.1 Test Conditions and Results – Occupied Bandwidth

| Occupied Bandwidth acc. IC RSS-Gen                                                                                                                                                                                                                                                                        |                                                         |          | Verdict: PASS            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------|--------------------------|
| Test according to measurement reference                                                                                                                                                                                                                                                                   | Reference Method                                        |          |                          |
|                                                                                                                                                                                                                                                                                                           | RSS-Gen 4.6.1                                           |          |                          |
| Test frequency range                                                                                                                                                                                                                                                                                      | Tested frequencies                                      |          |                          |
|                                                                                                                                                                                                                                                                                                           | F <sub>LOW</sub> / F <sub>MID</sub> / F <sub>HIGH</sub> |          |                          |
| Limits                                                                                                                                                                                                                                                                                                    |                                                         |          |                          |
| None (Informational only)                                                                                                                                                                                                                                                                                 |                                                         |          |                          |
| Test setup                                                                                                                                                                                                                                                                                                |                                                         |          |                          |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                     |                                                         |          |                          |
| Test procedure                                                                                                                                                                                                                                                                                            |                                                         |          |                          |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span set to at least twice the emission spectrum</div> <div>3. Resolution bandwidth set to 1 % of span</div> <div>4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function</div> |                                                         |          |                          |
| Test results                                                                                                                                                                                                                                                                                              |                                                         |          |                          |
| Channel                                                                                                                                                                                                                                                                                                   | Frequency [MHz]                                         | Mode     | Occupied Bandwidth [kHz] |
| F <sub>LOW</sub>                                                                                                                                                                                                                                                                                          | 2402                                                    | DH5-Sngl | 919.9                    |
| F <sub>MID</sub>                                                                                                                                                                                                                                                                                          | 2441                                                    | DH5-Sngl | 919.9                    |
| F <sub>HIGH</sub>                                                                                                                                                                                                                                                                                         | 2480                                                    | DH5-Sngl | 919.9                    |
| Comments:                                                                                                                                                                                                                                                                                                 |                                                         |          |                          |

# Occupied Bandwidth – DH5-Sngl F<sub>Low</sub>

## RSS Gen Occupied Bandwidth

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| EUT                   | Telematics device with BT                                                   |
| Model                 | LO100 / G0M-1402-3635                                                       |
| Approval Holder       | TomTom International BV                                                     |
| Temperature / Voltage | tnom                                                                        |
| Test Site / Operator  | Eurofins / Mr. Treffke                                                      |
| Test Specification    | 4.4.1 Occupied Bandwidth                                                    |
| Comment 1             | Channel.: 0 / 2402 MHz                                                      |
| Comment 2             | A spectrum analyzer with an integrated 99% power bandwidth function is used |
| Comment 3             | GFSK DH5                                                                    |



Occupied bandwidth: 919.9 KHz

Date: 26.MAR.2014 13:10:29

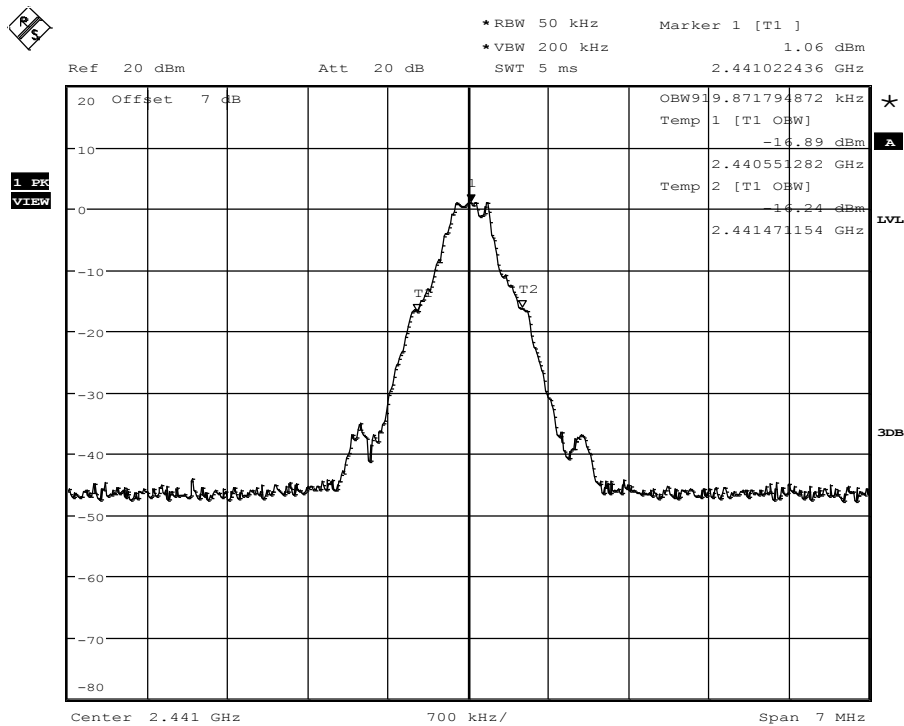
Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

# Occupied Bandwidth – DH5-Sngl F<sub>MID</sub>

## RSS Gen Occupied Bandwidth

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| EUT                   | Telematics device with BT                                                   |
| Model                 | LO100 / G0M-1402-3635                                                       |
| Approval Holder       | TomTom International BV                                                     |
| Temperature / Voltage | tnom                                                                        |
| Test Site / Operator  | Eurofins / Mr. Treffke                                                      |
| Test Specification    | 4.4.1 Occupied Bandwidth                                                    |
| Comment 1             | Channel.: 39 / 2441 MHz                                                     |
| Comment 2             | A spectrum analyzer with an integrated 99% power bandwidth function is used |
| Comment 3             | GFSK DH5                                                                    |



Occupied bandwidth: 919.9 KHz

Date: 26.MAR.2014 13:12:35

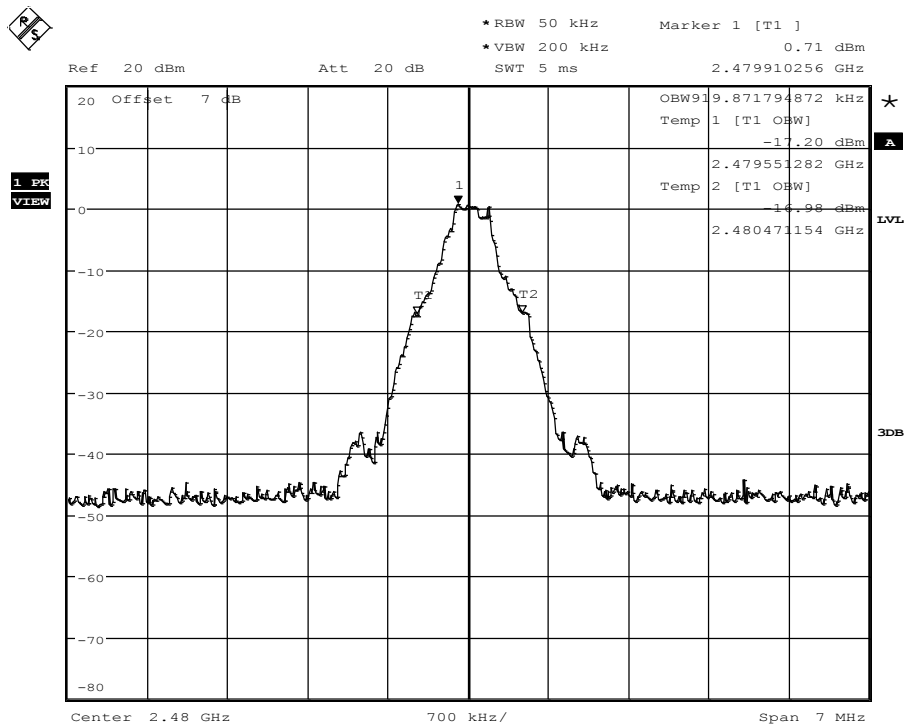
Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

# Occupied Bandwidth – DH5-Sngl F<sub>HIGH</sub>

## RSS Gen Occupied Bandwidth

EUT Telematics device with BT  
Model LO100 / G0M-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification 4.4.1 Occupied Bandwidth  
Comment 1 Channel.: 78 / 2480 MHz  
Comment 2 A spectrum analyzer with an integrated 99% power bandwidth function is used  
Comment 3 GFSK DH5



Occupied bandwidth: 919.9 KHz

Date: 26.MAR.2014 13:13:39

Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

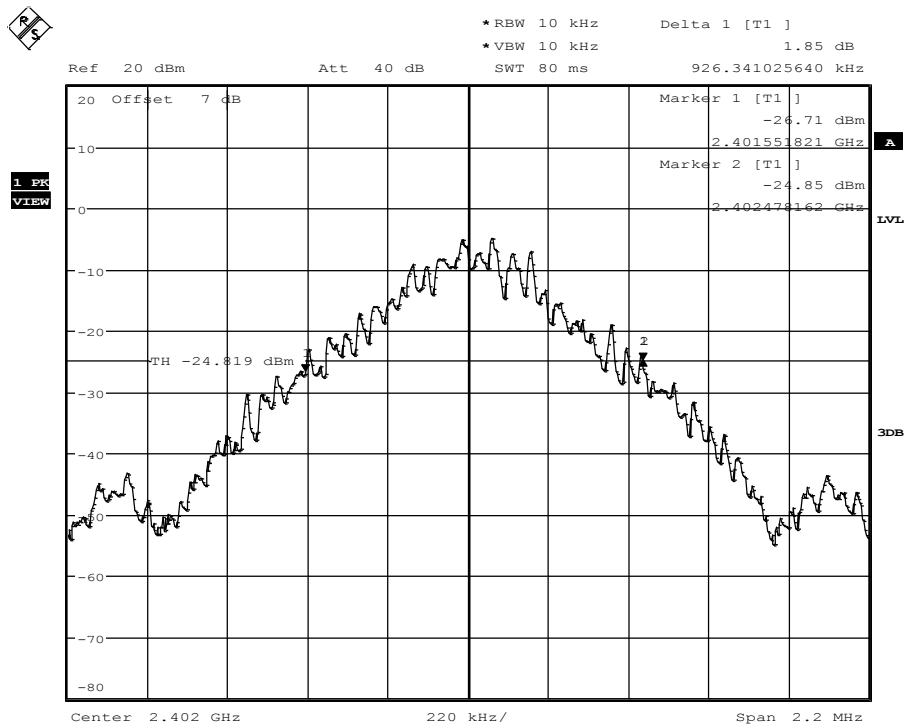
### 3.2 Test Conditions and Results – 20 dB Bandwidth

| 20 dB Bandwidth acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                         |                                               | Verdict: PASS |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------|-----------------------------------------------|---------------|--------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | Reference                                               |                                               |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | FCC 15.247(a)(1) / IC RSS-210 A8.1                      |                                               |               |        |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 | Reference Method                                        |                                               |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | FCC Public Notice DA 00-705                             |                                               |               |        |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 | Tested frequencies                                      |                                               |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | F <sub>LOW</sub> / F <sub>MID</sub> / F <sub>HIGH</sub> |                                               |               |        |
| Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |                                                         |                                               |               |        |
| Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                         | Condition                                     |               |        |
| 1.5 · Carrier spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                         | Output power ≤ 125 mW / 21 dBm                |               |        |
| 1.0 · Carrier spacing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                         | 125 mW / 21 dBm < Output power ≤ 1 W / 30 dBm |               |        |
| Test setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                                                         |                                               |               |        |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                                         |                                               |               |        |
| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                                         |                                               |               |        |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span set to at least twice the emission spectrum</div> <div>3. Detector set to peak and max hold</div> <div>4. Envelope peak value of emission spectrum is selected</div> <div>5. Marker on envelope of spectrum is set to level of -20 dB to the left of the peak</div> <div>6. Marker on envelope of spectrum is set to level of -20 dB to the right of the peak</div> <div>7. 20dB Bandwidth is determined by marker frequency separation</div> |                 |                                                         |                                               |               |        |
| Test results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                                                         |                                               |               |        |
| Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Frequency [MHz] | Mode                                                    | 20 dB Bandwidth [MHz]                         | Limit [MHz]   | Result |
| F <sub>LOW</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2402            | DH5-Sngl                                                | 926.3                                         | 1.5           | PASS   |
| F <sub>MID</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2441            | DH5-Sngl                                                | 926.3                                         | 1.5           | PASS   |
| F <sub>HIGH</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2480            | DH5-Sngl                                                | 926.3                                         | 1.5           | PASS   |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                                         |                                               |               |        |

20 dB Bandwidth – DH5-Sngl F<sub>LOW</sub>

FCC part 15.247  
20 dB bandwidth

EUT Telematics device with BT  
Model LO100 / G0M-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15 section 247(a)  
Comment 1 20 dB bandwidth  
Comment 2 Channel.: 0 / 2402 MHz / GFSK DH5  
Comment 3 pass



20 dB bandwidth: 926.3 KHz

Date: 26.MAR.2014 12:39:30

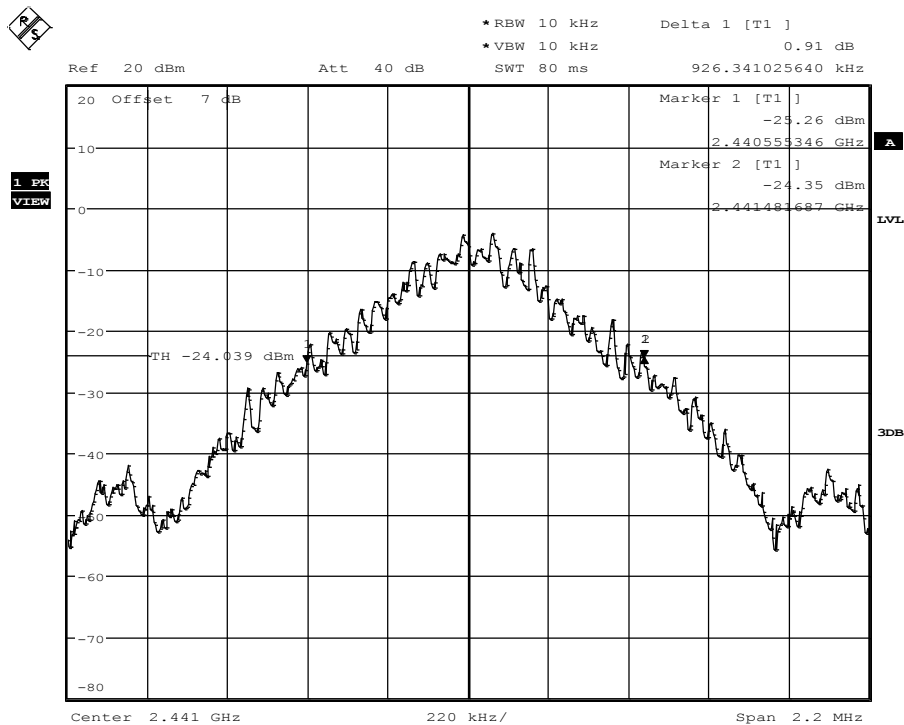
Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

20 dB Bandwidth – DH5-Sngl F<sub>MID</sub>

FCC part 15.247  
20 dB bandwidth

|                       |                                    |
|-----------------------|------------------------------------|
| EUT                   | Telematics device with BT          |
| Model                 | LO100 / G0M-1402-3635              |
| Approval Holder       | TomTom International BV            |
| Temperature / Voltage | tnom                               |
| Test Site / Operator  | Eurofins / Mr. Treffke             |
| Test Specification    | FCC part 15 section 247(a)         |
| Comment 1             | 20 dB bandwidth                    |
| Comment 2             | Channel.: 39 / 2441 MHz / GFSK DH5 |
| Comment 3             | pass                               |



20 dB bandwidth: 926.3 KHz

Date: 26.MAR.2014 12:42:42

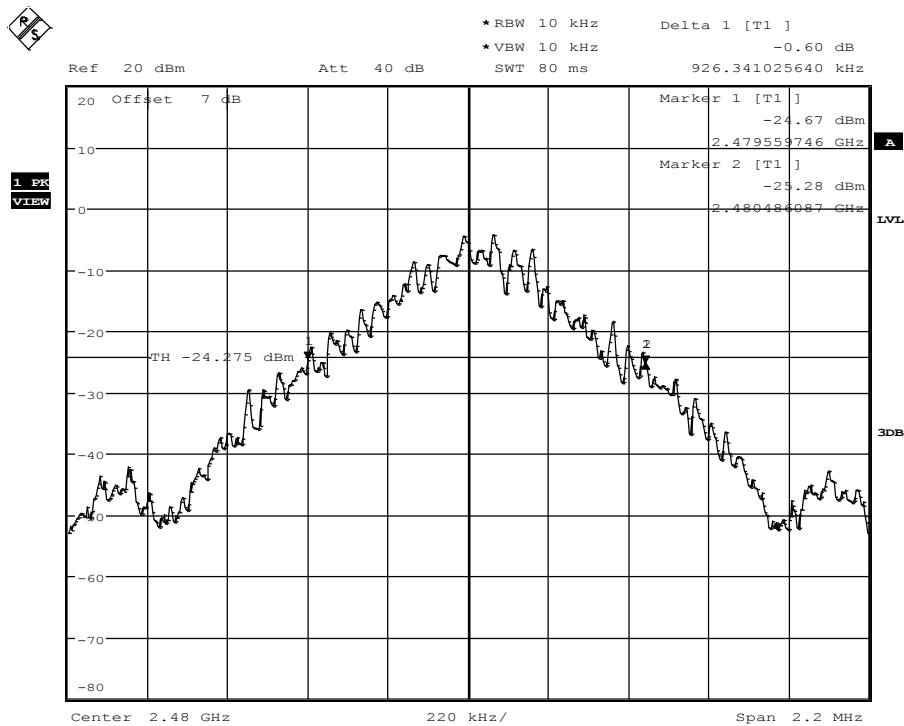
Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

20 dB Bandwidth – DH5-Sngl F<sub>HIGH</sub>

FCC part 15.247  
20 dB bandwidth

EUT Telematics device with BT  
Model LO100 / GOM-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15 section 247(a)  
Comment 1 20 dB bandwidth  
Comment 2 Channel.: 79 / 2480 MHz / GFSK DH5  
Comment 3 pass



20 dB bandwidth: 926.3 KHz

Date: 26.MAR.2014 12:44:39

Test Report No.: GOM-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

### 3.3 Test Conditions and Results – Number of hopping frequencies

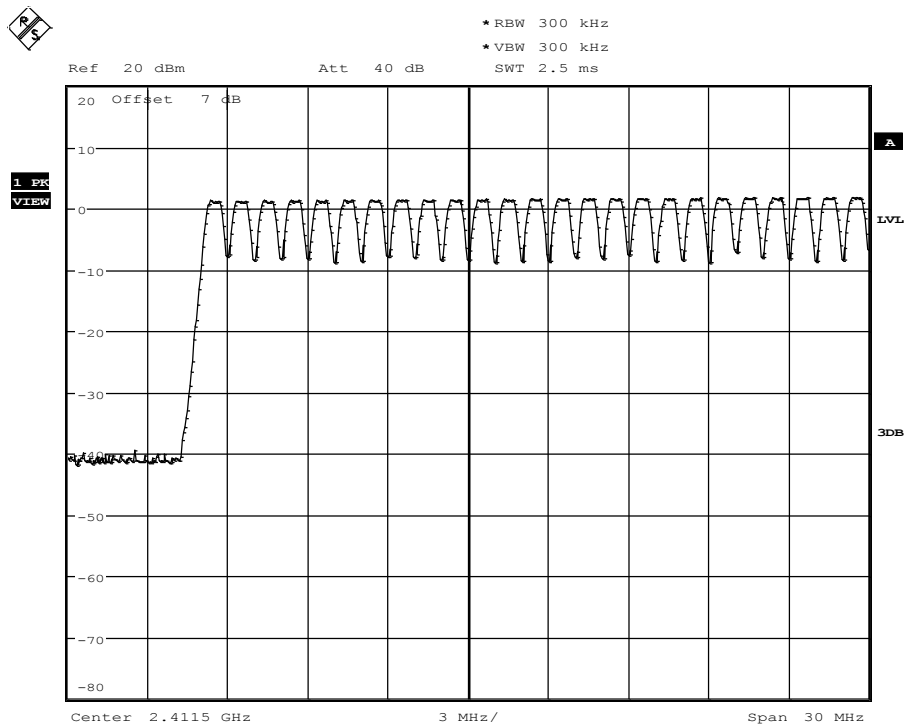
| Number of hopping frequencies acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                   |                                               | Verdict: PASS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                                     | Reference                                     |               |
|                                                                                                                                                                                                                                                                                                                                                                              | FCC 15.247(a)(1)(iii) / IC RSS-210 A8.1       |               |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                                   | Reference Method                              |               |
|                                                                                                                                                                                                                                                                                                                                                                              | FCC Public Notice DA 00-705                   |               |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                         | Tested frequencies                            |               |
|                                                                                                                                                                                                                                                                                                                                                                              | F <sub>LOW</sub> - F <sub>HIGH</sub>          |               |
| EUT test mode                                                                                                                                                                                                                                                                                                                                                                | DH5-Hop                                       |               |
| Limits                                                                                                                                                                                                                                                                                                                                                                       |                                               |               |
| Limit                                                                                                                                                                                                                                                                                                                                                                        | Condition                                     |               |
| Number of hopping channels ≥ 15                                                                                                                                                                                                                                                                                                                                              | Output power ≤ 125 mW / 21 dBm                |               |
| Number of hopping channels ≥ 75                                                                                                                                                                                                                                                                                                                                              | 125 mW / 21 dBm < Output power ≤ 1 W / 30 dBm |               |
| Test setup                                                                                                                                                                                                                                                                                                                                                                   |                                               |               |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                        |                                               |               |
| Test procedure                                                                                                                                                                                                                                                                                                                                                               |                                               |               |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span set to measurement frequency range</div> <div>3. Detector set to peak and max hold</div> <div>4. Resolution bandwidth is set small enough to resolve hopping channel emission spectra</div> <div>5. The number of peaks is counted to determine number of hopping frequencies</div> |                                               |               |
| Test results                                                                                                                                                                                                                                                                                                                                                                 |                                               |               |
| Number of hopping frequencies                                                                                                                                                                                                                                                                                                                                                | Limit                                         | Result        |
| 79                                                                                                                                                                                                                                                                                                                                                                           | ≥ 15                                          | PASS          |
| Comments:                                                                                                                                                                                                                                                                                                                                                                    |                                               |               |

## Number of hopping frequencies - Range A

## FCC part 15.247

## Number of hopping frequencies

|                       |                               |
|-----------------------|-------------------------------|
| EUT                   | Telematics device with BT     |
| Model                 | LO100 / G0M-1402-3635         |
| Approval Holder       | TomTom International BV       |
| Temperature / Voltage | tnom                          |
| Test Site / Operator  | Eurofins / Mr. Treffke        |
| Test Specification    | FCC part 15 section 247(a)    |
| Comment 1             | Number of hopping frequencies |
| Comment 2             | Channel.: 0-24                |
| Comment 3             | pass                          |



Number of hopping frequencies

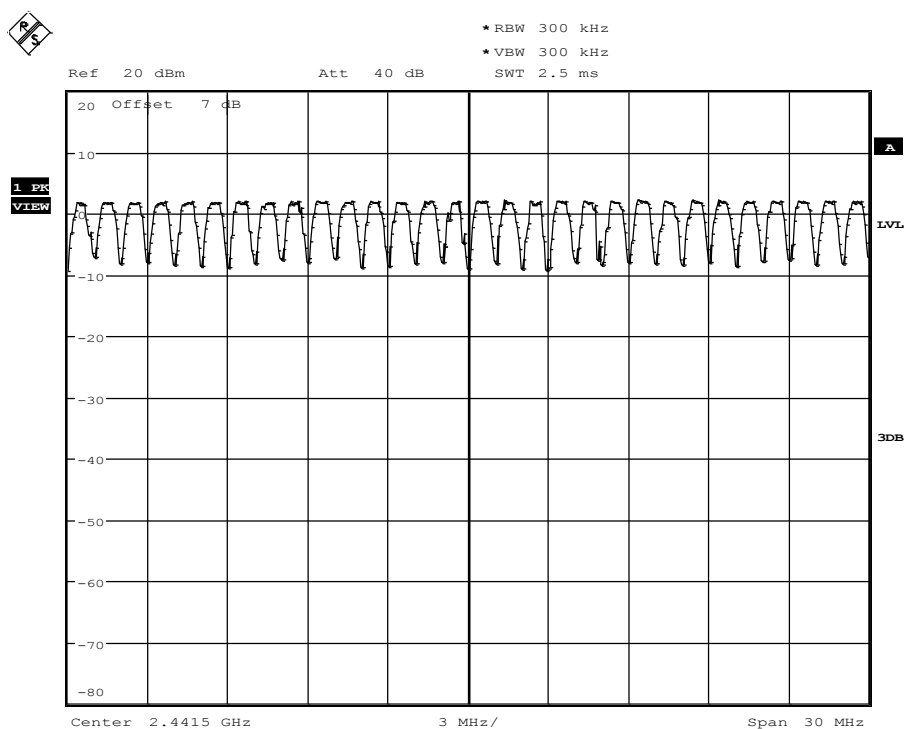
Date: 26.MAR.2014 13:03:12

## Number of hopping frequencies - Range B

### FCC part 15.247

#### Number of hopping frequencies

|                       |                               |
|-----------------------|-------------------------------|
| EUT                   | Telematics device with BT     |
| Model                 | LO100 / G0M-1402-3635         |
| Approval Holder       | TomTom International BV       |
| Temperature / Voltage | tnom                          |
| Test Site / Operator  | Eurofins / Mr. Treffke        |
| Test Specification    | FCC part 15 section 247(a)    |
| Comment 1             | Number of hopping frequencies |
| Comment 2             | Channel.: 25-54               |
| Comment 3             | pass                          |



Number of hopping frequencies

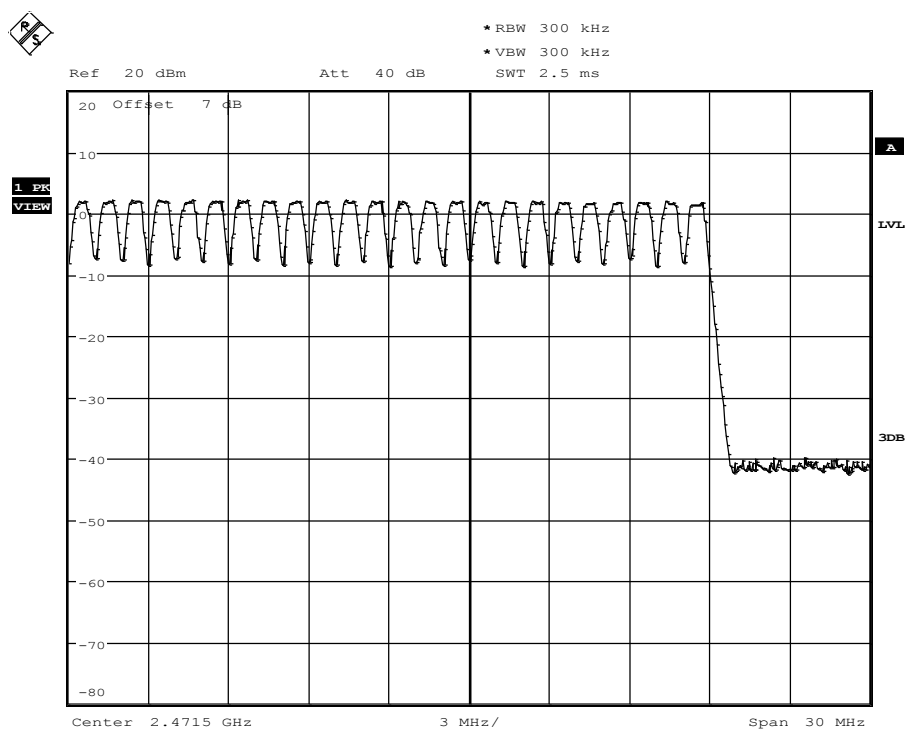
Date: 26.MAR.2014 13:04:36

## Number of hopping frequencies - Range C

### FCC part 15.247

#### Number of hopping frequencies

|                       |                               |
|-----------------------|-------------------------------|
| EUT                   | Telematics device with BT     |
| Model                 | LO100 / G0M-1402-3635         |
| Approval Holder       | TomTom International BV       |
| Temperature / Voltage | tnom                          |
| Test Site / Operator  | Eurofins / Mr. Treffke        |
| Test Specification    | FCC part 15 section 247(a)    |
| Comment 1             | Number of hopping frequencies |
| Comment 2             | Channel.: 55-78               |
| Comment 3             | pass                          |



Number of hopping frequencies

Date: 26.MAR.2014 13:05:37

### 3.4 Test Conditions and Results – Frequency hopping channel separation

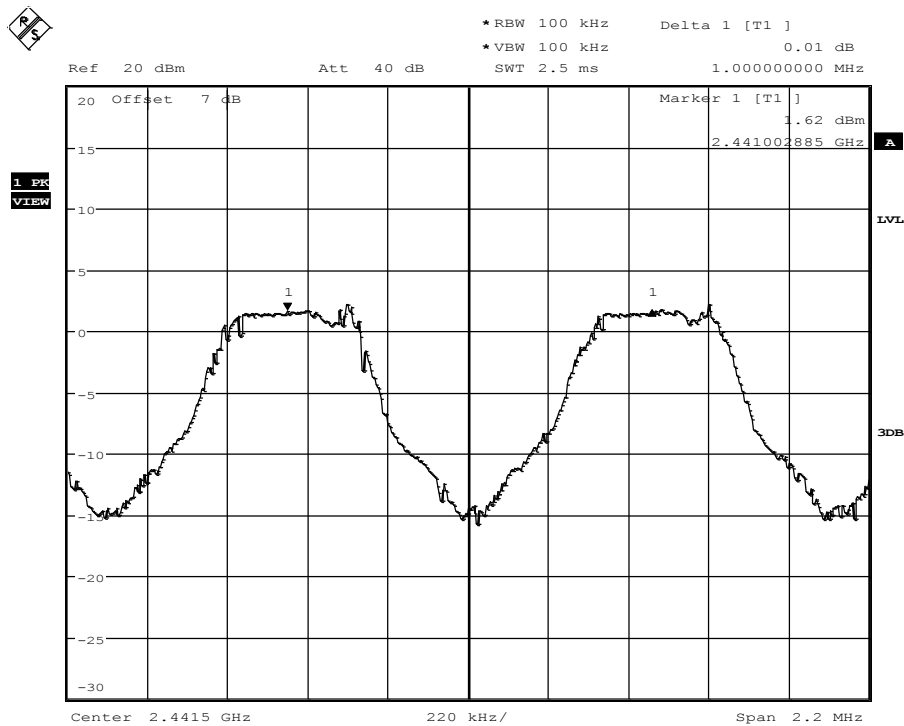
| Frequency hopping channel separation acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                                                                |                                               | Verdict: PASS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                                                                                         | Reference                                     |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | FCC 15.247(a)(1) / IC RSS-210 A8.1            |               |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                                                                                       | Reference Method                              |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | FCC Public Notice DA 00-705                   |               |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                                                                             | Tested frequencies                            |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2441 & 2442 MHz                               |               |
| EUT test mode                                                                                                                                                                                                                                                                                                                                                                                                                    | DH5-Hop                                       |               |
| Limits                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |               |
| Limit                                                                                                                                                                                                                                                                                                                                                                                                                            | Condition                                     |               |
| ≥ 25 kHz or ⅔ of 20 dB bandwidth                                                                                                                                                                                                                                                                                                                                                                                                 | Output power ≤ 125 mW / 21 dBm                |               |
| ≥ 25 kHz or 20 dB bandwidth                                                                                                                                                                                                                                                                                                                                                                                                      | 125 mW / 21 dBm < Output power ≤ 1 W / 30 dBm |               |
| Test setup                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |               |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                                                                            |                                               |               |
| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |               |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span set to measurement frequency range</div> <div>3. Detector set to peak and max hold</div> <div>4. Resolution bandwidth is set small enough to resolve hopping channel emission spectra</div> <div>5. The two adjacent channel peaks are marked</div> <div>6. Channel separation is determined from frequency separation of markers</div> |                                               |               |
| Test results                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |               |
| Channel separation [kHz]                                                                                                                                                                                                                                                                                                                                                                                                         | Limit [kHz]                                   | Result        |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                             | ≥ ⅔ · 926.3 = 617.53                          | PASS          |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |               |

# Frequency hopping channel separation

## FCC part 15.247

### Carrier frequency separation

EUT Telematics device with BT  
Model LO100 / GOM-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15 section 247(a)(1)  
Comment 1 Carrier frequency separation  
Comment 2 Channel.: 39/40 / 2441/2442 MHz  
Comment 3 Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass

Date: 26.MAR.2014 13:01:17

Test Report No.: GOM-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

### 3.5 Test Conditions and Results – Time of occupancy (Dwell Time)

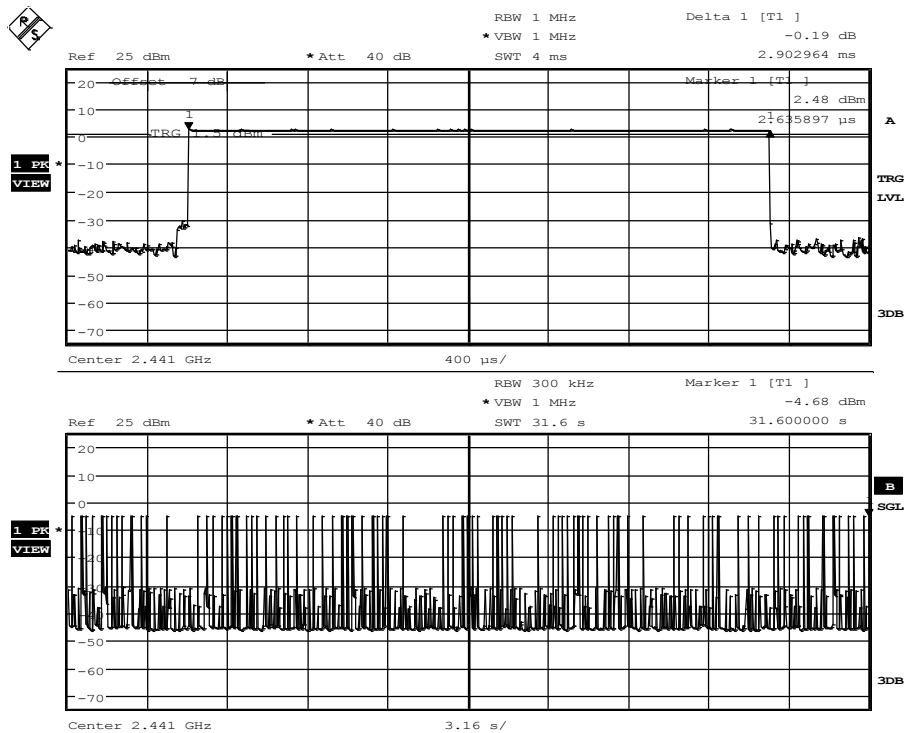
| Time of occupancy (Dwell time) acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                                                        |             |                                         |                       | Verdict: PASS |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|-----------------------|---------------|--------|
| EUT requirement rule parts and clause                                                                                                                                                                                                                                                                                                                                                                              |             | Reference                               |                       |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |             | FCC 15.247(a)(1)(iii) / IC RSS-210 A8.1 |                       |               |        |
| Test according to measurement reference                                                                                                                                                                                                                                                                                                                                                                            |             | Reference Method                        |                       |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |             | FCC Public Notice DA 00-705             |                       |               |        |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                                                               |             | Tested frequencies                      |                       |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                    |             | 2441 MHz                                |                       |               |        |
| EUT test mode                                                                                                                                                                                                                                                                                                                                                                                                      |             | DH5-Hop                                 |                       |               |        |
| Limits                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                         |                       |               |        |
| Limit                                                                                                                                                                                                                                                                                                                                                                                                              |             |                                         |                       |               |        |
| Time of occupancy ≤ 0.4 s within 0.4 s · Number of hopping channels                                                                                                                                                                                                                                                                                                                                                |             |                                         |                       |               |        |
| Test setup                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                         |                       |               |        |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                                                              |             |                                         |                       |               |        |
| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                     |             |                                         |                       |               |        |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Center frequency set to test channel center frequency</div> <div>3. Span set to zero span and detector to peak and max hold</div> <div>4. Resolution bandwidth is set to 100kHz and sweep time to observation period</div> <div>5. Time of occupancy determined from number of peaks multiplied by single hop dwell time</div> |             |                                         |                       |               |        |
| Test results                                                                                                                                                                                                                                                                                                                                                                                                       |             |                                         |                       |               |        |
| Observation period [s]                                                                                                                                                                                                                                                                                                                                                                                             | No. of hops | Dwell time/hop [s]                      | Time of occupancy [s] | Limit [s]     | Result |
| 31.6                                                                                                                                                                                                                                                                                                                                                                                                               | 101         | 0.002903                                | 0.29321               | ≤ 0.4         | PASS   |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                          |             |                                         |                       |               |        |

## Time of occupancy

## FCC part 15.247

## Time of occupancy (dwell time)

EUT Telematics device with BT  
Model LO100 / G0M-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15 section 247(a)  
Comment 1 Time of occupancy  
Comment 2 Channel.: 39 / 2441 MHz (Hopping mode)  
Comment 3 101 events \* 2.903 ms result: 293.21 ms



Burst length=2.90296 ms

Date: 26.MAR.2014 13:19:22

### 3.6 Test Conditions and Results – Maximum peak conducted power

| Maximum peak conducted power acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                                                               |                                                         | Verdict: PASS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                                                                                | Reference                                               |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | FCC 15.247(b)(1) / IC RSS-210 A8.4                      |               |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                                                                              | Reference Method                                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | FCC Public Notice DA 00-705                             |               |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                                                                    | Tested frequencies                                      |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                         | F <sub>LOW</sub> / F <sub>MID</sub> / F <sub>HIGH</sub> |               |
| Measurement mode                                                                                                                                                                                                                                                                                                                                                                                                        | Peak                                                    |               |
| Maximum antenna gain                                                                                                                                                                                                                                                                                                                                                                                                    | 0 dBi ⇒ Limit correction = 0 dB                         |               |
| Limits                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |               |
| Limit                                                                                                                                                                                                                                                                                                                                                                                                                   | Condition                                               |               |
| 1 W (30 dBm)                                                                                                                                                                                                                                                                                                                                                                                                            | Number of hopping channels ≥ 75                         |               |
| 0.125 W (21 dBm)                                                                                                                                                                                                                                                                                                                                                                                                        | 75 > Number of hopping channels ≥ 15                    |               |
| The conducted output power limit specified above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in the table, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi. |                                                         |               |
| Test setup                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |               |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                                                                   |                                                         |               |
| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                          |                                                         |               |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Center frequency set to test channel center frequency</div> <div>3. Span set to twice the 20 dB bandwidth and detector to peak and max hold</div> <div>4. Resolution bandwidth is set to 3 MHz</div> <div>5. Peak conducted power is determined from peak of spectrum envelope</div>                                                |                                                         |               |

| Test results      |                 |          |          |                  |                |             |             |        |
|-------------------|-----------------|----------|----------|------------------|----------------|-------------|-------------|--------|
| Channel           | Frequency [MHz] | Voltage  | Mode     | Peak power [dbm] | Peak power [W] | Limit [dBm] | Margin [dB] | Result |
| F <sub>LOW</sub>  | 2402            | 12 VDC   | DH5-Sngl | 1.58             | 0.00144        | 30          | -28.42      | PASS   |
| F <sub>LOW</sub>  | 2402            | 9.0 VDC  | DH5-Sngl | 1.52             | 0.00142        | 30          | -28.48      | PASS   |
| F <sub>LOW</sub>  | 2402            | 30.0 VDC | DH5-Sngl | 1.59             | 0.00144        | 30          | -28.41      | PASS   |
| F <sub>MID</sub>  | 2441            | 12 VDC   | DH5-Sngl | 2.19             | 0.00166        | 30          | -27.81      | PASS   |
| F <sub>MID</sub>  | 2441            | 9.0 VDC  | DH5-Sngl | 2.10             | 0.00162        | 30          | -27.90      | PASS   |
| F <sub>MID</sub>  | 2441            | 30.0 VDC | DH5-Sngl | 2.19             | 0.00166        | 30          | -27.81      | PASS   |
| F <sub>HIGH</sub> | 2480            | 12 VDC   | DH5-Sngl | 1.85             | 0.00153        | 30          | -28.15      | PASS   |
| F <sub>HIGH</sub> | 2480            | 9.0 VDC  | DH5-Sngl | 1.80             | 0.00151        | 30          | -28.20      | PASS   |
| F <sub>HIGH</sub> | 2480            | 30.0 VDC | DH5-Sngl | 1.85             | 0.00153        | 30          | -28.15      | PASS   |
| Comments:         |                 |          |          |                  |                |             |             |        |

### 3.7 Test Conditions and Results – Band edge compliance

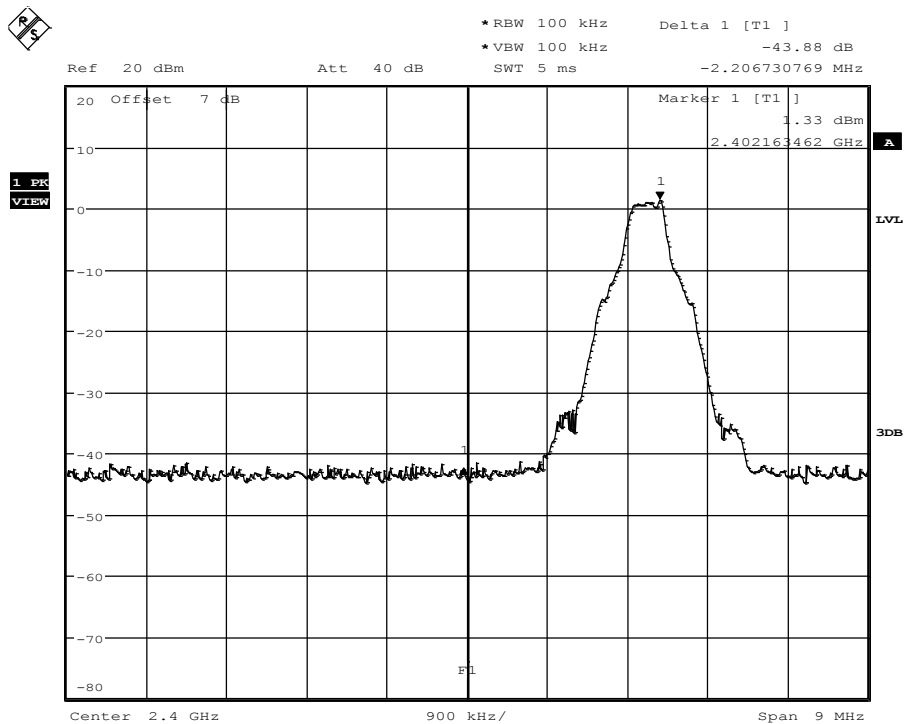
| Band-edge compliance acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                           |                 |                                      |                                        |             | Verdict: PASS |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------|----------------------------------------|-------------|---------------|--------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                    |                 | Reference                            |                                        |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                             |                 | FCC 15.247(d) / IC RSS-210 A8.5      |                                        |             |               |        |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                  |                 | Reference Method                     |                                        |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                             |                 | FCC Public Notice DA 00-705          |                                        |             |               |        |
| Test frequency range                                                                                                                                                                                                                                                                                                                                        |                 | Tested frequencies                   |                                        |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                             |                 | F <sub>LOW</sub> / F <sub>HIGH</sub> |                                        |             |               |        |
| Measurement mode                                                                                                                                                                                                                                                                                                                                            |                 | Peak                                 |                                        |             |               |        |
| Limits                                                                                                                                                                                                                                                                                                                                                      |                 |                                      |                                        |             |               |        |
| Limit                                                                                                                                                                                                                                                                                                                                                       |                 |                                      | Condition                              |             |               |        |
| ≤ -20 dB/100 kHz                                                                                                                                                                                                                                                                                                                                            |                 |                                      | Peak power measurement detector = Peak |             |               |        |
| ≤ -30 dB/100 kHz                                                                                                                                                                                                                                                                                                                                            |                 |                                      | Peak power measurement detector = RMS  |             |               |        |
| Test setup                                                                                                                                                                                                                                                                                                                                                  |                 |                                      |                                        |             |               |        |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                       |                 |                                      |                                        |             |               |        |
| Test procedure                                                                                                                                                                                                                                                                                                                                              |                 |                                      |                                        |             |               |        |
| 1. EUT set to test mode (Communication tester is used if needed)<br>2. Span set around lower band edge and detector is set to peak and max hold<br>3. Resolution bandwidth is set to 100 kHz<br>4. Markers are set to peak emission levels within frequency band and outside frequency band<br>5. Band edge attenuation is determined from level difference |                 |                                      |                                        |             |               |        |
| Test results                                                                                                                                                                                                                                                                                                                                                |                 |                                      |                                        |             |               |        |
| Channel                                                                                                                                                                                                                                                                                                                                                     | Frequency [MHz] | Mode                                 | Level [dBc]                            | Limit [dBc] | Margin [dB]   | Result |
| F <sub>LOW</sub>                                                                                                                                                                                                                                                                                                                                            | 2402            | DH5-Sngl                             | -43.9                                  | -20         | -23.90        | PASS   |
| F <sub>HIGH</sub>                                                                                                                                                                                                                                                                                                                                           | 2480            | DH5-Sngl                             | -44.0                                  | -20         | -24.00        | PASS   |
| F <sub>LOW</sub>                                                                                                                                                                                                                                                                                                                                            | 2402            | DH5-Hop                              | -43.1                                  | -20         | -23.10        | PASS   |
| F <sub>HIGH</sub>                                                                                                                                                                                                                                                                                                                                           | 2480            | DH5-Hop                              | -43.7                                  | -20         | -23.70        | PASS   |
| Comments:                                                                                                                                                                                                                                                                                                                                                   |                 |                                      |                                        |             |               |        |

Band-edge compliance – DH5-Sngl F<sub>Low</sub>

## FCC part 15.247

## Band-edge compliance of RF conducted emissions

|                       |                               |
|-----------------------|-------------------------------|
| EUT                   | Telematics device with BT     |
| Model                 | LO100 / G0M-1402-3635         |
| Approval Holder       | TomTom International BV       |
| Temperature / Voltage | tnom                          |
| Test Site / Operator  | Eurofins / Mr. Treffke        |
| Test Specification    | FCC part 15 section 247(c)    |
| Comment 1             | Band-edge compliance          |
| Comment 2             | Channel.: 0 / 2402 MHz / GFSK |
| Comment 3             | Single frequency mode         |



Limit: Marker Delta value &gt;20 dB; Result: PASS

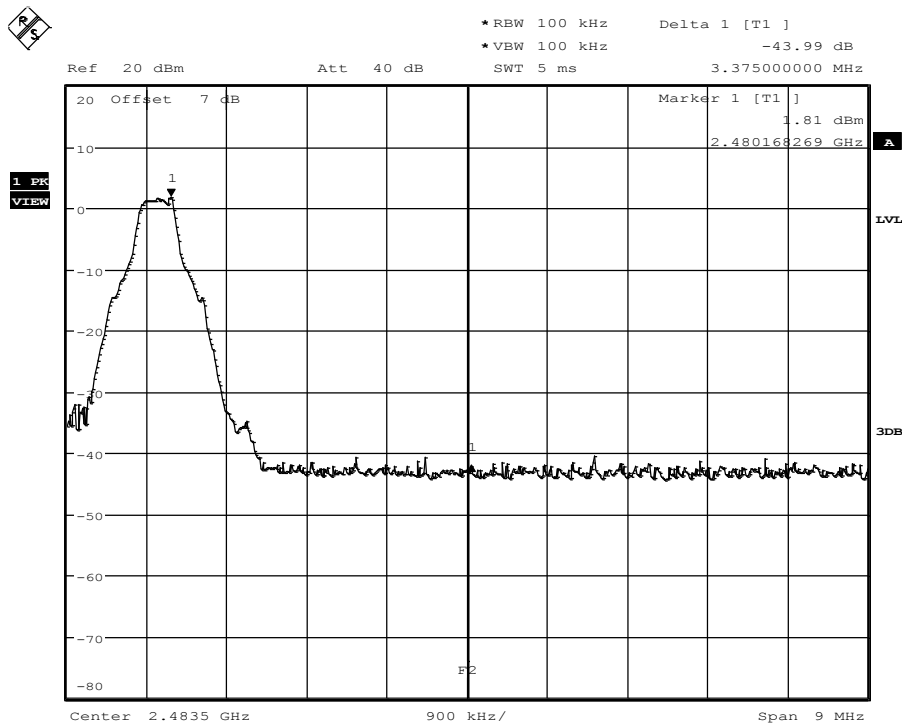
Date: 26.MAR.2014 12:46:44

# Band-edge compliance – DH5-Sngl F<sub>HIGH</sub>

## FCC part 15.247

### Band-edge compliance of RF conducted emissions

|                       |                                |
|-----------------------|--------------------------------|
| EUT                   | Telematics device with BT      |
| Model                 | LO100 / G0M-1402-3635          |
| Approval Holder       | TomTom International BV        |
| Temperature / Voltage | tnom                           |
| Test Site / Operator  | Eurofins / Mr. Treffke         |
| Test Specification    | FCC part 15 section 247(c)     |
| Comment 1             | Band-edge compliance           |
| Comment 2             | Channel.: 78 / 2480 MHz / GFSK |
| Comment 3             | Single frequency mode          |



Limit: Marker Delta value &gt;20 dB; Result: PASS

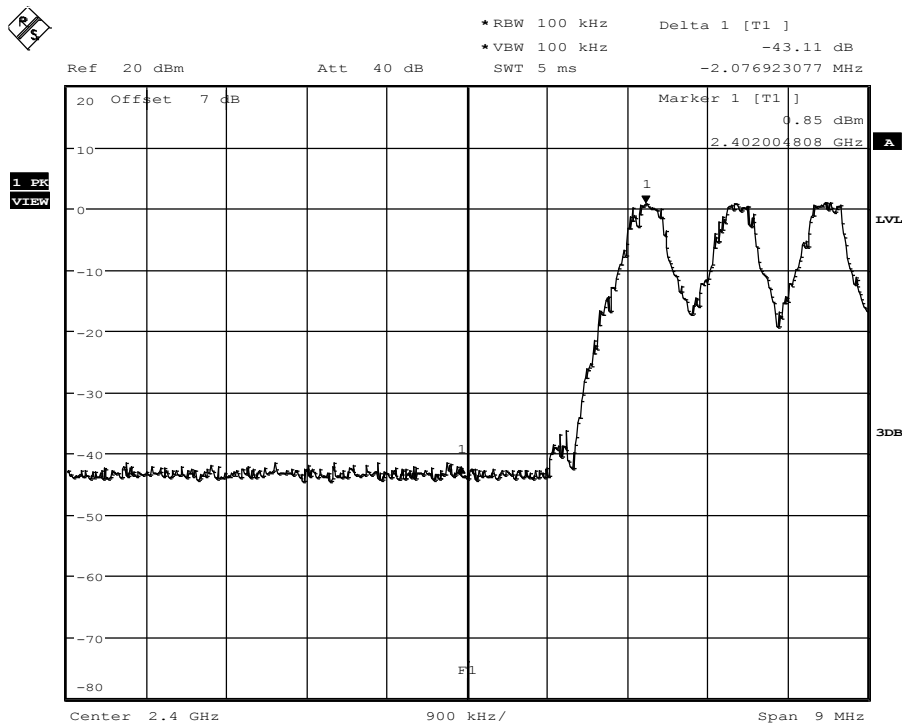
Date: 26.MAR.2014 12:48:35

# Band-edge compliance – DH5-Hop F<sub>LOW</sub>

## FCC part 15.247

## Band-edge compliance of RF conducted emissions

|                       |                            |
|-----------------------|----------------------------|
| EUT                   | Telematics device with BT  |
| Model                 | LO100 / G0M-1402-3635      |
| Approval Holder       | TomTom International BV    |
| Temperature / Voltage | tnom                       |
| Test Site / Operator  | Eurofins / Mr. Treffke     |
| Test Specification    | FCC part 15 section 247(c) |
| Comment 1             | Band-edge compliance       |
| Comment 2             | Channel.: 0 / 2402 MHz     |
| Comment 3             | Hopping mode               |



Limit: Marker Delta value &gt;20 dB; Result: PASS

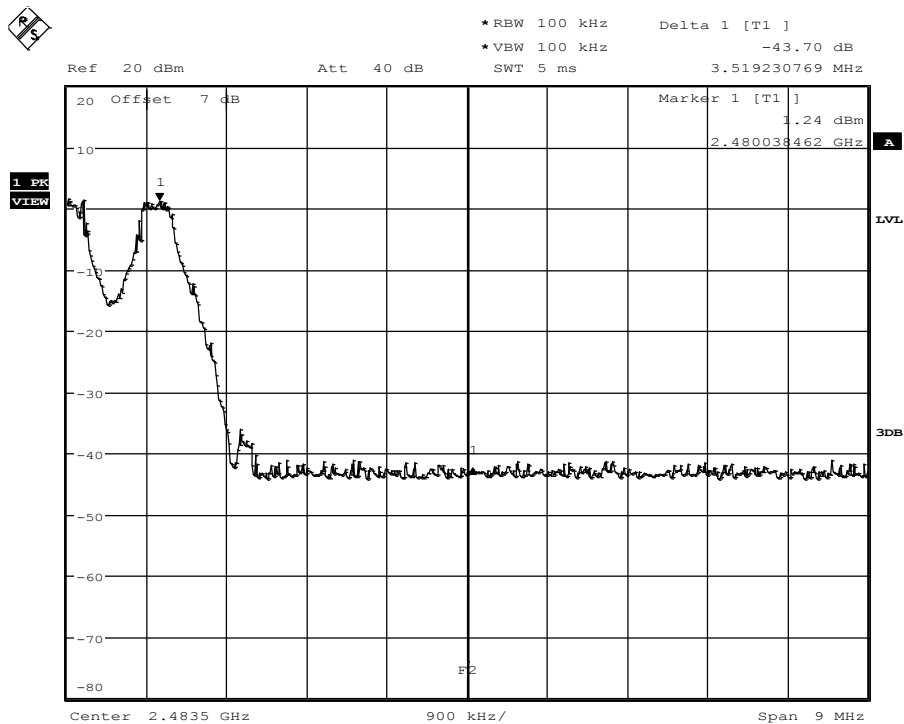
Date: 26.MAR.2014 12:51:20

# Band-edge compliance – DH5-Hop F<sub>HIGH</sub>

## FCC part 15.247

## Band-edge compliance of RF conducted emissions

EUT                      Telematics device with BT  
Model                  LO100 / G0M-1402-3635  
Approval Holder      TomTom International BV  
Temperature / Voltage    tnom  
Test Site / Operator    Eurofins / Mr. Treffke  
Test Specification      FCC part 15 section 247(c)  
Comment 1              Band-edge compliance  
Comment 2              Channel.: 78 / 2480 MHz  
Comment 3              Hopping mode



Limit: Marker Delta value >20 dB; Result: PASS

Date: 26.MAR.2014 12:52:37

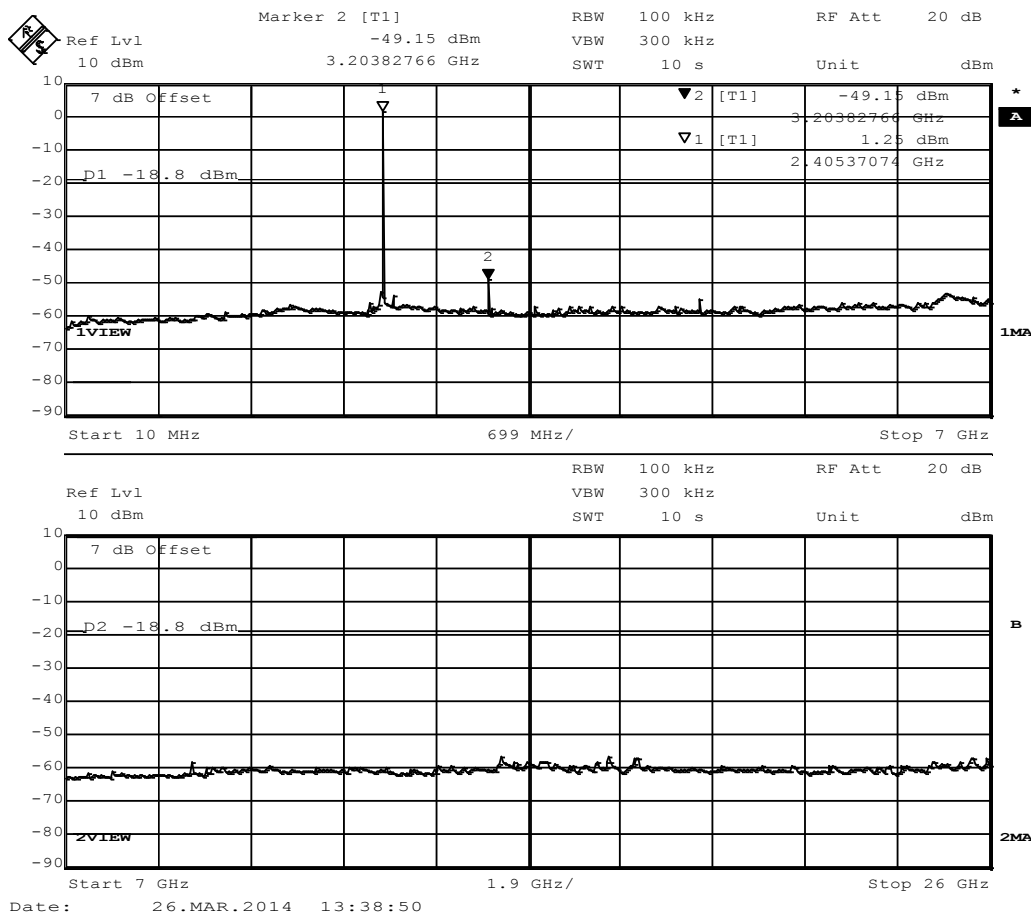
### 3.8 Test Conditions and Results – Conducted spurious emissions

| Conducted spurious emissions acc. FCC 15.247 / IC RSS-210                                                                                                                                                                                                                                                                                                                                                                                          |                 |          |                                    |                                        |                  |             | Verdict: PASS |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------------------------------|----------------------------------------|------------------|-------------|---------------|--------|
| EUT requirement<br>rule parts and clause                                                                                                                                                                                                                                                                                                                                                                                                           |                 |          | Reference                          |                                        |                  |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |          | FCC 15.247(d) / IC RSS-210 A8.5    |                                        |                  |             |               |        |
| Test according to<br>measurement reference                                                                                                                                                                                                                                                                                                                                                                                                         |                 |          | Reference Method                   |                                        |                  |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |          | FCC Public Notice DA 00-705        |                                        |                  |             |               |        |
| Test frequency range                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |          | Tested frequencies                 |                                        |                  |             |               |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |          | 10 MHz – 10 <sup>th</sup> Harmonic |                                        |                  |             |               |        |
| Measurement mode                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |          | Peak                               |                                        |                  |             |               |        |
| Limits                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |          |                                    |                                        |                  |             |               |        |
| Limit                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |          |                                    | Condition                              |                  |             |               |        |
| ≤ -20 dB/100 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |          |                                    | Peak power measurement detector = Peak |                  |             |               |        |
| ≤ -30 dB/100 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |          |                                    | Peak power measurement detector = RMS  |                  |             |               |        |
| Test setup                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |          |                                    |                                        |                  |             |               |        |
| <div><div>Spectrum Analyzer</div><div>EUT</div></div>                                                                                                                                                                                                                                                                                                                                                                                              |                 |          |                                    |                                        |                  |             |               |        |
| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |          |                                    |                                        |                  |             |               |        |
| <div>1. EUT set to test mode (Communication tester is used if needed)</div> <div>2. Span it set according to measurement range</div> <div>3. Resolution bandwidth is set to 100 kHz and detector to peak and max hold</div> <div>4. Markers are set to peak emission levels within frequency band</div> <div>5. Emission level is determined by second marker on emission peak</div> <div>6. Attenuation is determined from level difference</div> |                 |          |                                    |                                        |                  |             |               |        |
| Test results                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |          |                                    |                                        |                  |             |               |        |
| Channel                                                                                                                                                                                                                                                                                                                                                                                                                                            | Frequency [MHz] | Mode     | Emission [MHz]                     | Emission Level [dbm]                   | Peak power [dBm] | Limit [dBm] | Margin [dB]   | Result |
| F <sub>LOW</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2402            | DH5-Sngl | 3203.8                             | -49.15                                 | 1.25             | -18.75      | -30.40        | PASS   |
| F <sub>MID</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2441            | DH5-Sngl | 3259.8                             | -51.12                                 | 1.74             | -18.26      | -32.86        | PASS   |
| F <sub>HIGH</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2480            | DH5-Sngl | 3301.9                             | -49.47                                 | 1.73             | -18.27      | -31.20        | PASS   |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |          |                                    |                                        |                  |             |               |        |

Conducted spurious emissions – DH5-Sngl F<sub>Low</sub>

FCC part 15.247 (d)  
Spurious Emissions

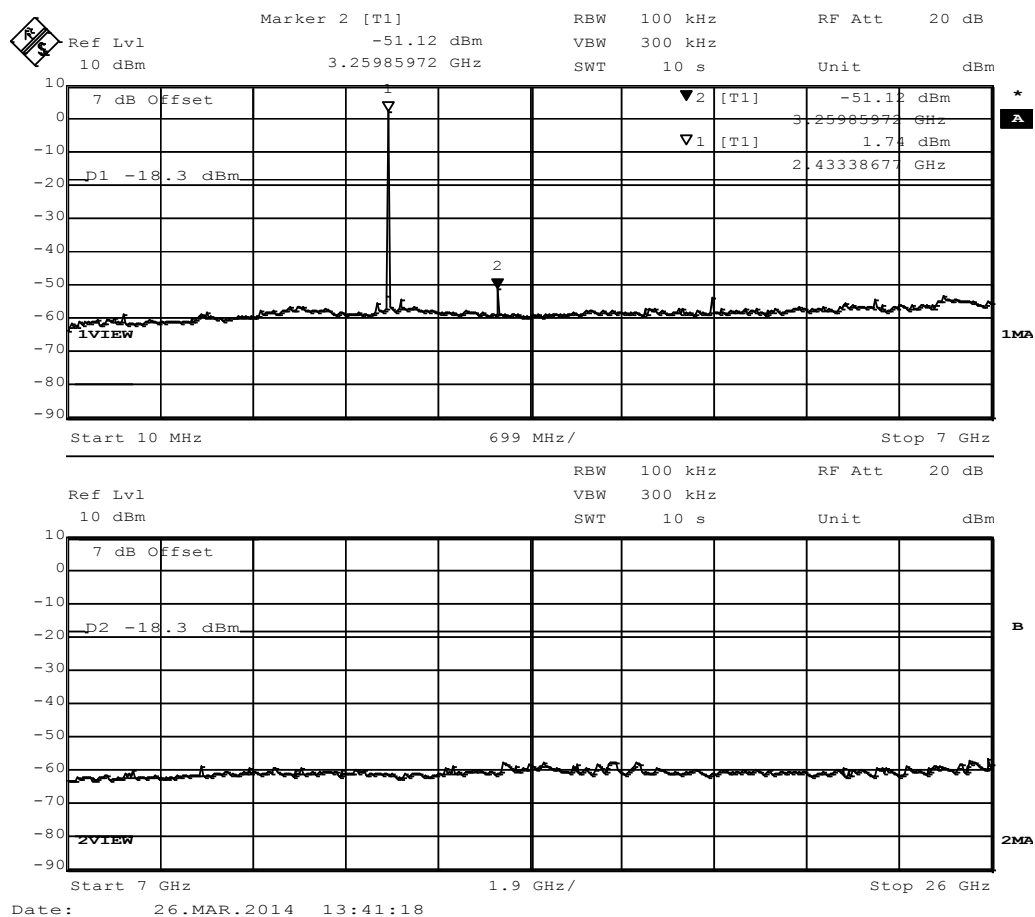
EUT Telematics device with BT  
Model LO100 / GOM-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15.247 (d)  
Comment 1 Spurious Emissions conducted  
Comment 2 Channel : 2402 MHz  
Comment 3 GFSK DH5



Conducted spurious emissions – DH5-Sngl F<sub>MID</sub>

FCC part 15.247 (d)  
Spurious Emissions

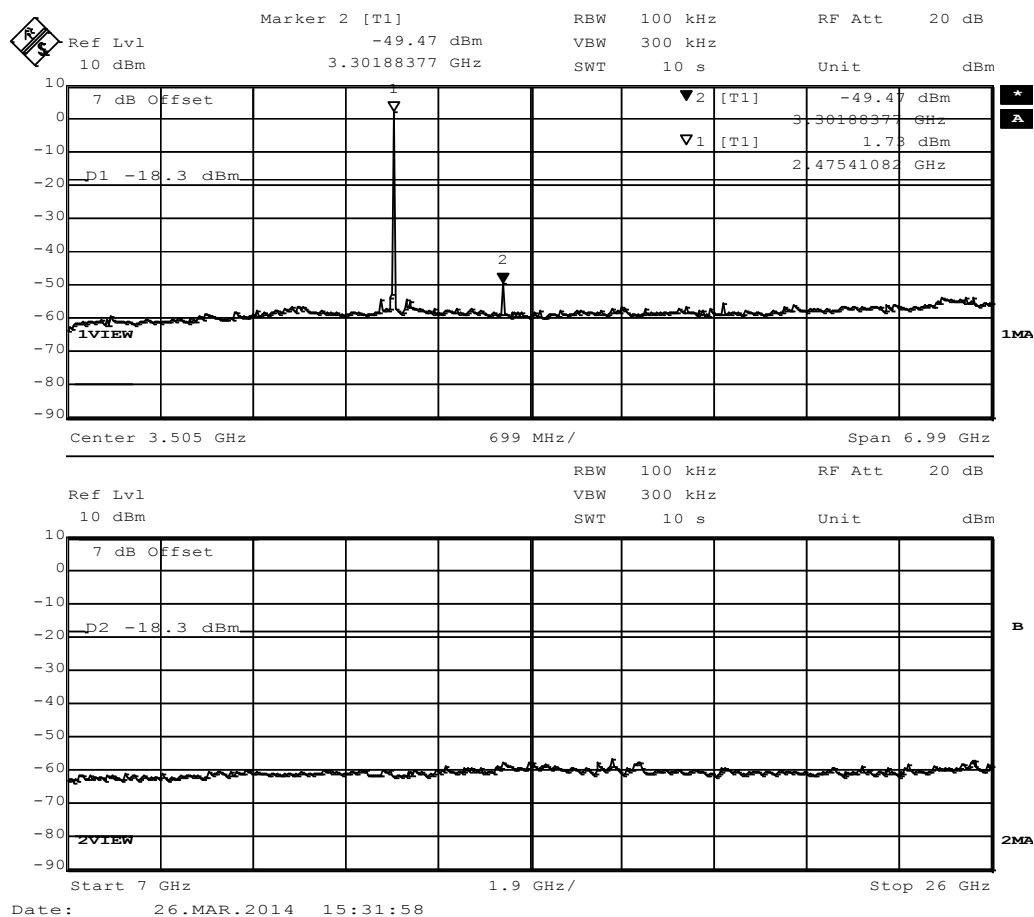
EUT Telematics device with BT  
Model LO100 / GOM-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15.247 (d)  
Comment 1 Spurious Emissions conducted  
Comment 2 Channel : 2441 MHz  
Comment 3 GFSK DH5



Conducted spurious emissions – DH5-Sngl F<sub>HIGH</sub>

FCC part 15.247 (d)  
Spurious Emissions

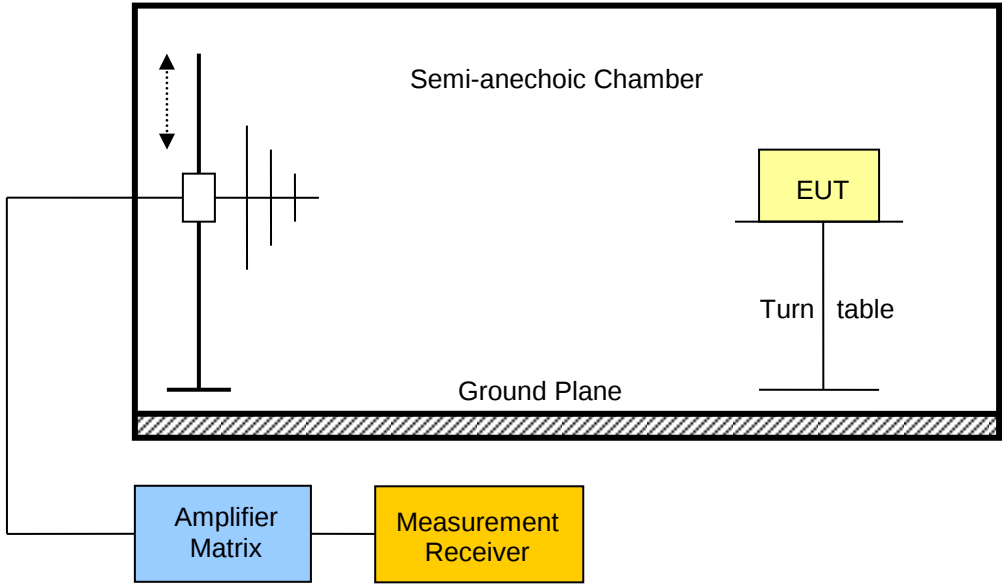
EUT Telematics device with BT  
Model LO100 / GOM-1402-3635  
Approval Holder TomTom International BV  
Temperature / Voltage tnom  
Test Site / Operator Eurofins / Mr. Treffke  
Test Specification FCC part 15.247 (d)  
Comment 1 Spurious Emissions conducted  
Comment 2 Channel : 2480 MHz  
Comment 3 GFSK DH5



### 3.9 Test Conditions and Results – Transmitter radiated emissions

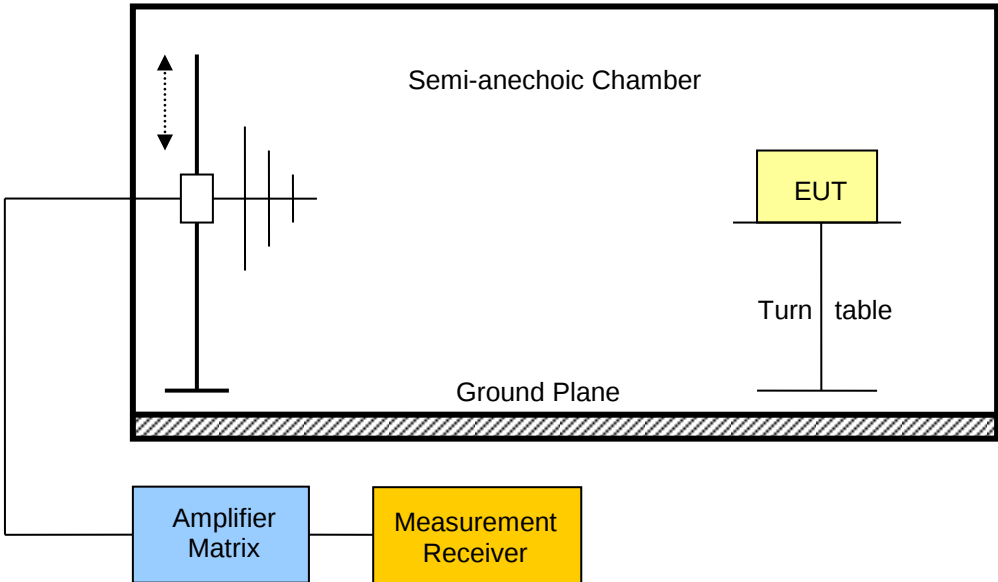
| Transmitter radiated emissions acc. FCC 47 CFR 15.247 / IC RSS-210 |                                          |              |                | Verdict: PASS      |
|--------------------------------------------------------------------|------------------------------------------|--------------|----------------|--------------------|
| Test according referenced standards                                | Reference Method                         |              |                |                    |
|                                                                    | FCC 15.247(d) / IC RSS-210 A8.5          |              |                |                    |
| Test according to measurement reference                            | Reference Method                         |              |                |                    |
|                                                                    | FCC Public Notice DA 00-705 / ANSI C63.4 |              |                |                    |
| Test frequency range                                               | Tested frequencies                       |              |                |                    |
|                                                                    | 30 MHz – 10 <sup>th</sup> Harmonic       |              |                |                    |
| Limits                                                             |                                          |              |                |                    |
| Frequency range [MHz]                                              | Detector                                 | Limit [μV/m] | Limit [dBμV/m] | Limit Distance [m] |
| 30 – 88                                                            | Quasi-Peak                               | 100          | 40             | 3                  |
| 88 – 216                                                           | Quasi-Peak                               | 150          | 43.5           | 3                  |
| 216 – 960                                                          | Quasi-Peak                               | 200          | 46             | 3                  |
| 960 – 1000                                                         | Quasi-Peak                               | 500          | 54             | 3                  |
| > 1000                                                             | Average                                  | 500          | 54             | 3                  |

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)). When average radiated emission measurements are specified, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

| Test setup                                                                           |  |
|--------------------------------------------------------------------------------------|--|
|  |  |

| Test procedure                                                                                                                                                                                                                                                                                                                                                                                                                |                 |      |                |                |      |      |                |                  |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|----------------|----------------|------|------|----------------|------------------|-------------|
| <ol style="list-style-type: none"> <li>1. EUT set to test mode (Communication tester is used if needed)</li> <li>2. Span it set according to measurement range</li> <li>3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz</li> <li>4. Markers are set to peak emission levels within restricted bands</li> </ol> |                 |      |                |                |      |      |                |                  |             |
| Test results – Internal Antenna                                                                                                                                                                                                                                                                                                                                                                                               |                 |      |                |                |      |      |                |                  |             |
| Channel                                                                                                                                                                                                                                                                                                                                                                                                                       | Frequency [MHz] | Mode | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Limit dist. [m]* | Margin [dB] |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 119.76         | 33.44          | pk   | ver  | 43.52          | 3                | -10.08      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 132.34         | 32.33          | pk   | ver  | 43.52          | 3                | -11.19      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 133.36         | 32.78          | pk   | ver  | 43.52          | 3                | -10.74      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 168.04         | 32.50          | pk   | ver  | 43.52          | 3                | -11.02      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 170.42         | 32.41          | pk   | ver  | 43.52          | 3                | -11.11      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 4800           | 46.45          | pk   | hor  | 74.00          | 3                | -27.55      |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                             | 2402            | DH5  | 4800           | 49.90          | pk   | ver  | 74.00          | 3                | -24.10      |
| 39                                                                                                                                                                                                                                                                                                                                                                                                                            | 2441            | DH5  | 4880           | 47.87          | pk   | hor  | 74.00          | 3                | -26.13      |
| 39                                                                                                                                                                                                                                                                                                                                                                                                                            | 2441            | DH5  | 4880           | 51.33          | pk   | ver  | 74.00          | 3                | -22.67      |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                            | 2480            | DH5  | 4952           | 46.55          | pk   | hor  | 74.00          | 3                | -27.45      |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                            | 2480            | DH5  | 4952           | 49.15          | pk   | ver  | 74.00          | 3                | -24.85      |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                            | 2480            | DH5  | 7432           | 49.92          | pk   | ver  | 74.00          | 3                | -24.08      |
| Comments: * Physical distance between EUT and measurement antenna.                                                                                                                                                                                                                                                                                                                                                            |                 |      |                |                |      |      |                |                  |             |

### 3.10 Test Conditions and Results – Receiver radiated emissions

| Receiver radiated emissions acc. IC RSS-210                                          |                                   |              |                | Verdict: PASS      |
|--------------------------------------------------------------------------------------|-----------------------------------|--------------|----------------|--------------------|
| Test according referenced standards                                                  | Reference Method                  |              |                |                    |
|                                                                                      | IC RSS-210 A8.5                   |              |                |                    |
| Test according to measurement reference                                              | Reference Method                  |              |                |                    |
|                                                                                      | ANSI C63.4                        |              |                |                    |
| Test frequency range                                                                 | Tested frequencies                |              |                |                    |
|                                                                                      | 30 MHz – 3 <sup>th</sup> Harmonic |              |                |                    |
| EUT test mode                                                                        | Receive                           |              |                |                    |
| Limits                                                                               |                                   |              |                |                    |
| Frequency range [MHz]                                                                | Detector                          | Limit [μV/m] | Limit [dBμV/m] | Limit Distance [m] |
| 30 – 88                                                                              | Quasi-Peak                        | 100          | 40             | 3                  |
| 88 – 216                                                                             | Quasi-Peak                        | 150          | 43.5           | 3                  |
| 216 – 960                                                                            | Quasi-Peak                        | 200          | 46             | 3                  |
| 960 – 1000                                                                           | Quasi-Peak                        | 500          | 54             | 3                  |
| > 1000                                                                               | Average                           | 500          | 54             | 3                  |
| Test setup                                                                           |                                   |              |                |                    |
|  |                                   |              |                |                    |

| Test procedure                                                                                                                                                                                                                                                                                                                                                                                           |                 |                |                         |                       |      |              |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|-------------------------|-----------------------|------|--------------|---------------|
| <ol style="list-style-type: none"> <li>1. EUT set to receive mode (Communication tester is used if needed)</li> <li>2. Span it set according to measurement range</li> <li>3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz</li> <li>4. Markers are set to peak emission levels</li> </ol> |                 |                |                         |                       |      |              |               |
| Test results                                                                                                                                                                                                                                                                                                                                                                                             |                 |                |                         |                       |      |              |               |
| Channel                                                                                                                                                                                                                                                                                                                                                                                                  | Frequency [MHz] | Emission [MHz] | Emission Level [dbμV/m] | Emission Level [μV/m] | Det. | Limit [μV/m] | Margin [μV/m] |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 71.82          | 31.75                   | 38.68                 | pk   | 40           | -8.25 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 89.84          | 35.08                   | 56.75                 | pk   | 43.5         | -8.42 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 119.76         | 38.45                   | 83.66                 | pk   | 43.5         | -5.05 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 137.78         | 36.22                   | 64.71                 | pk   | 43.5         | -7.28 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 149.68         | 35.06                   | 56.62                 | pk   | 43.5         | -8.44 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 216            | 35.53                   | 59.77                 | pk   | 43.5         | -7.97 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 216            | 32.60                   | 42.66                 | pk   | 43.5         | -10.9 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 1918           | 44.76                   | 172.98                | pk   | 53.9         | -9.14 dB      |
| 0 - 78                                                                                                                                                                                                                                                                                                                                                                                                   | 2402 - 2480     | 7816           | 49.81                   | 309.39                | pk   | 53.9         | -4.09 dB      |
| Comments:<br>* Physical distance between EUT and measurement antenna.<br>** Emission level corresponds to ambient noise floor                                                                                                                                                                                                                                                                            |                 |                |                         |                       |      |              |               |

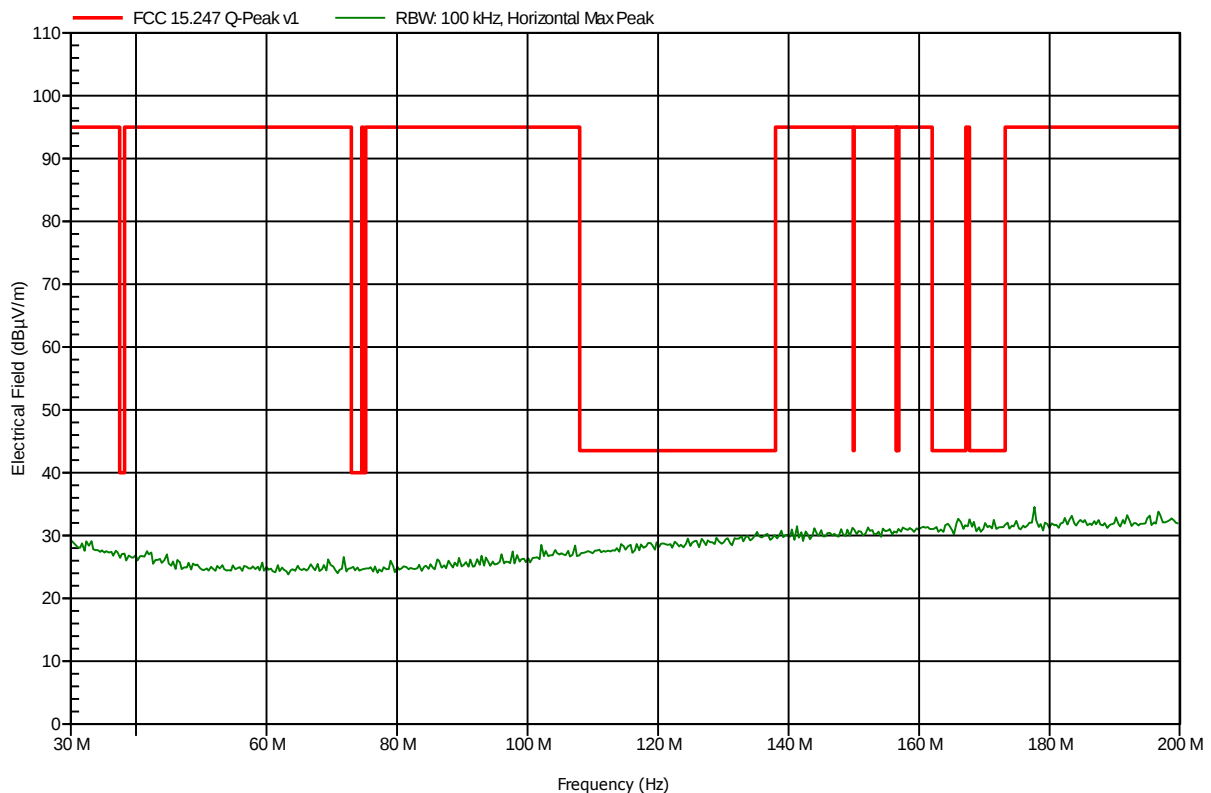
## ANNEX A Transmitter radiated spurious emissions

### Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

|                       |                                    |
|-----------------------|------------------------------------|
| Manufacturer:         | TomTom International BV            |
| EUT Name:             | Telematics device with BT          |
| Model:                | L0100                              |
| Test Site:            | Eurofins Product Service GmbH      |
| Operator:             | Mr. Jahn                           |
| Test Conditions:      | Tnom: 24°C, Vnom: 12VDC            |
| Antenna:              | Rohde & Schwarz HK 116, Horizontal |
| Measurement distance: | 3 m                                |
| Mode:                 | TX; Channel 0                      |
| Test Date:            | 2014-03-27                         |
| Note:                 | worst case                         |

Index 25

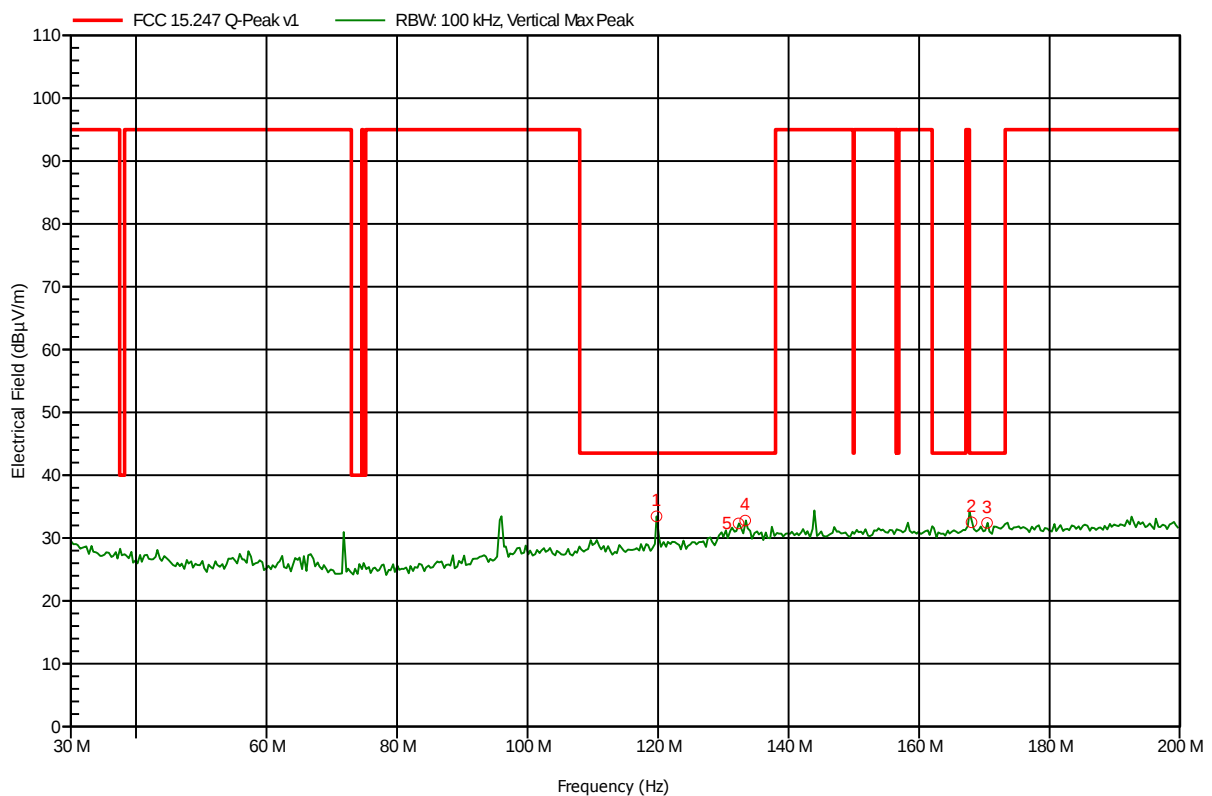


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note: worst case

Index 26



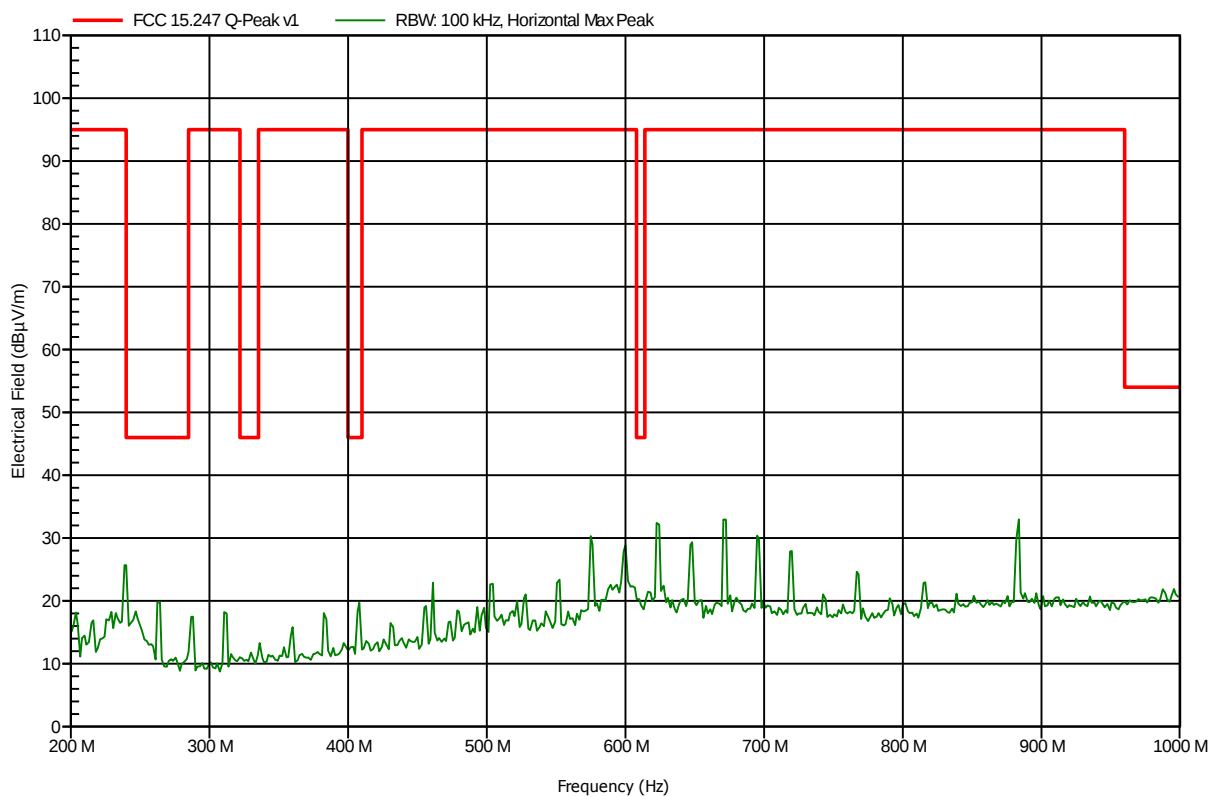
| Frequency  | Peak         | Peak Limit   | Peak Difference | Peak Status |
|------------|--------------|--------------|-----------------|-------------|
| 119.76 MHz | 33.44 dBμV/m | 43.52 dBμV/m | -10.08 dB       | Pass        |
| 132.34 MHz | 32.33 dBμV/m | 43.52 dBμV/m | -11.19 dB       | Pass        |
| 133.36 MHz | 32.78 dBμV/m | 43.52 dBμV/m | -10.74 dB       | Pass        |
| 168.04 MHz | 32.5 dBμV/m  | 43.52 dBμV/m | -11.02 dB       | Pass        |
| 170.42 MHz | 32.41 dBμV/m | 43.52 dBμV/m | -11.11 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

|                       |                                    |
|-----------------------|------------------------------------|
| Manufacturer:         | TomTom International BV            |
| EUT Name:             | Telematics device with BT          |
| Model:                | L0100                              |
| Test Site:            | Eurofins Product Service GmbH      |
| Operator:             | Mr. Jahn                           |
| Test Conditions:      | Tnom: 24°C, Vnom: 12VDC            |
| Antenna:              | Rohde & Schwarz HL 223, Horizontal |
| Measurement distance: | 3 m                                |
| Mode:                 | TX; Channel 0                      |
| Test Date:            | 2014-03-27                         |
| Note:                 | worst case                         |

Index 27

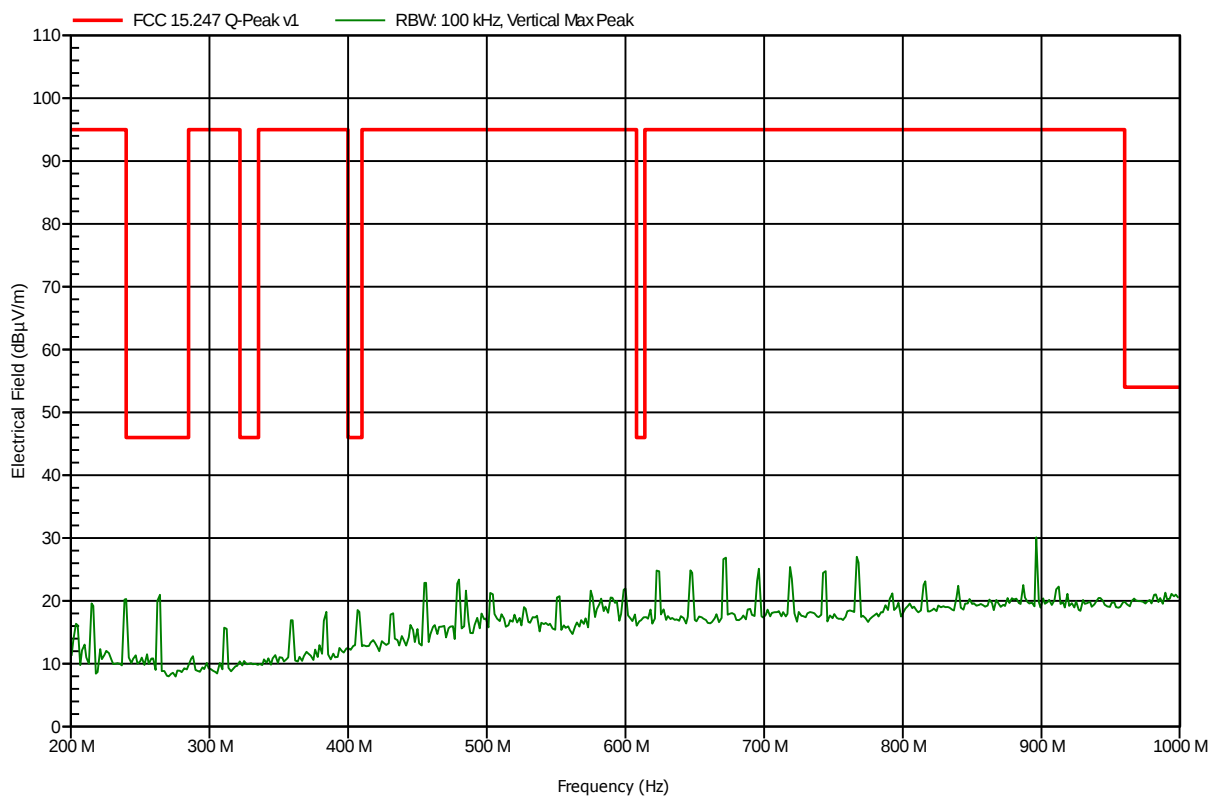


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note: worst case

Index 28

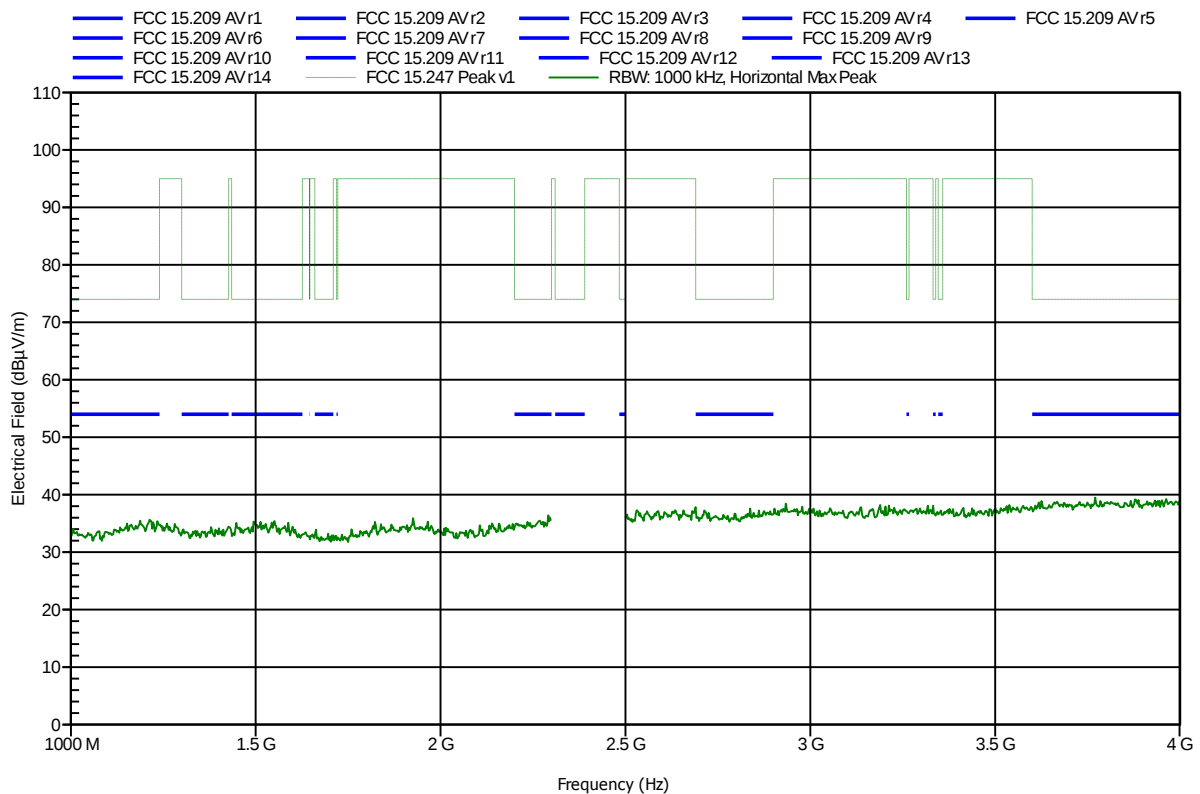


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note:

Index 8

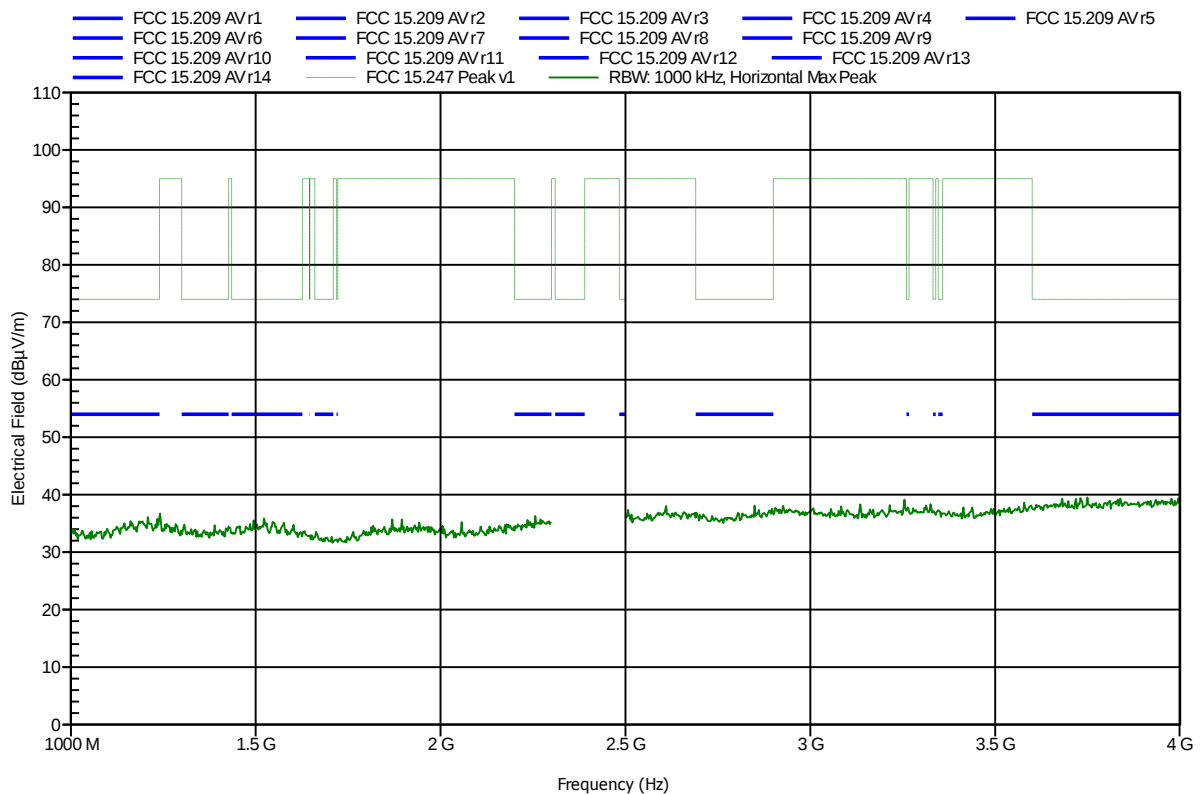


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 39  
 Test Date: 2014-03-27  
 Note:

Index 15

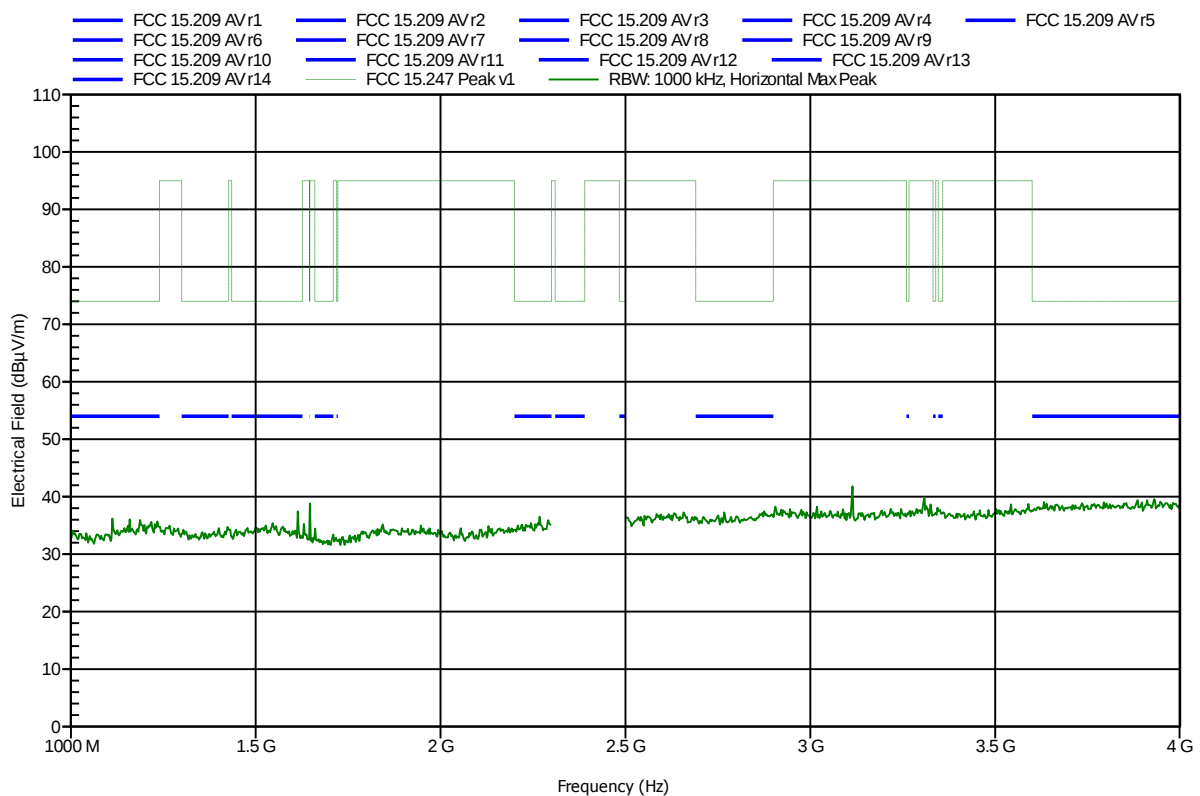


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note:

Index 19

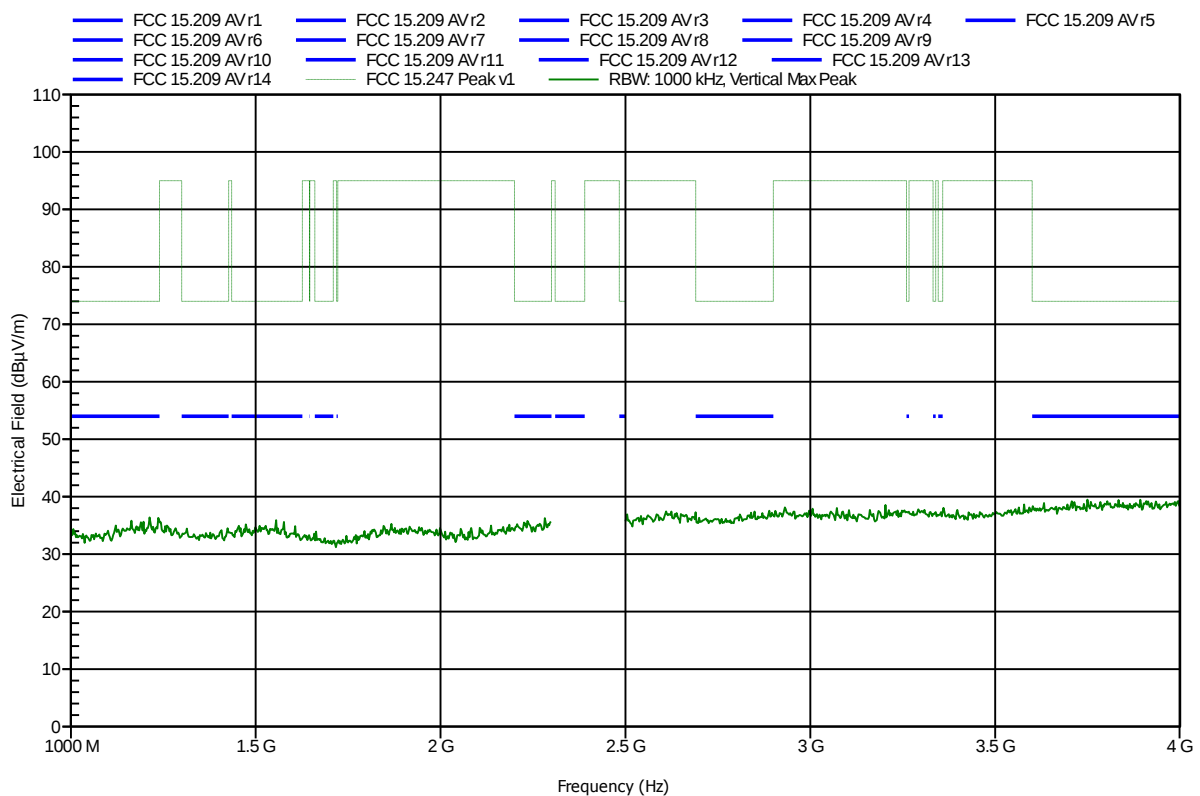


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note:

Index 14

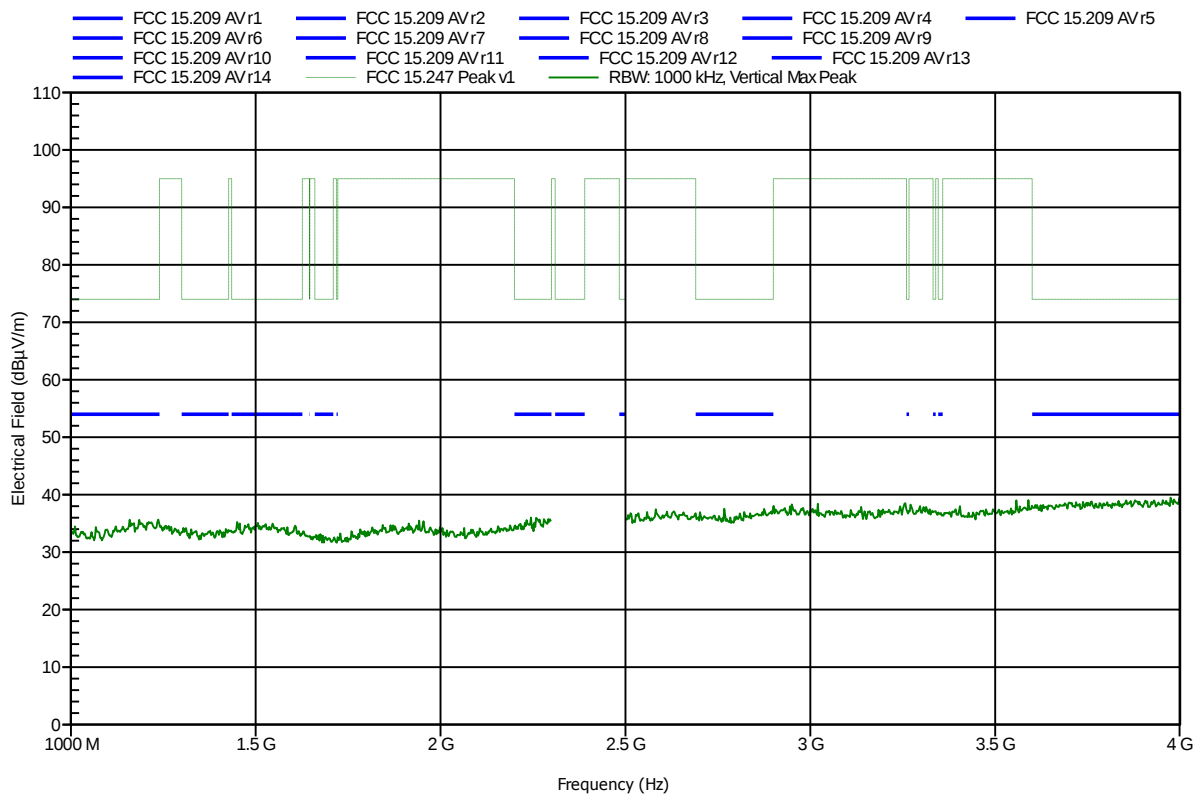


## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 39  
 Test Date: 2014-03-27  
 Note:

Index 17

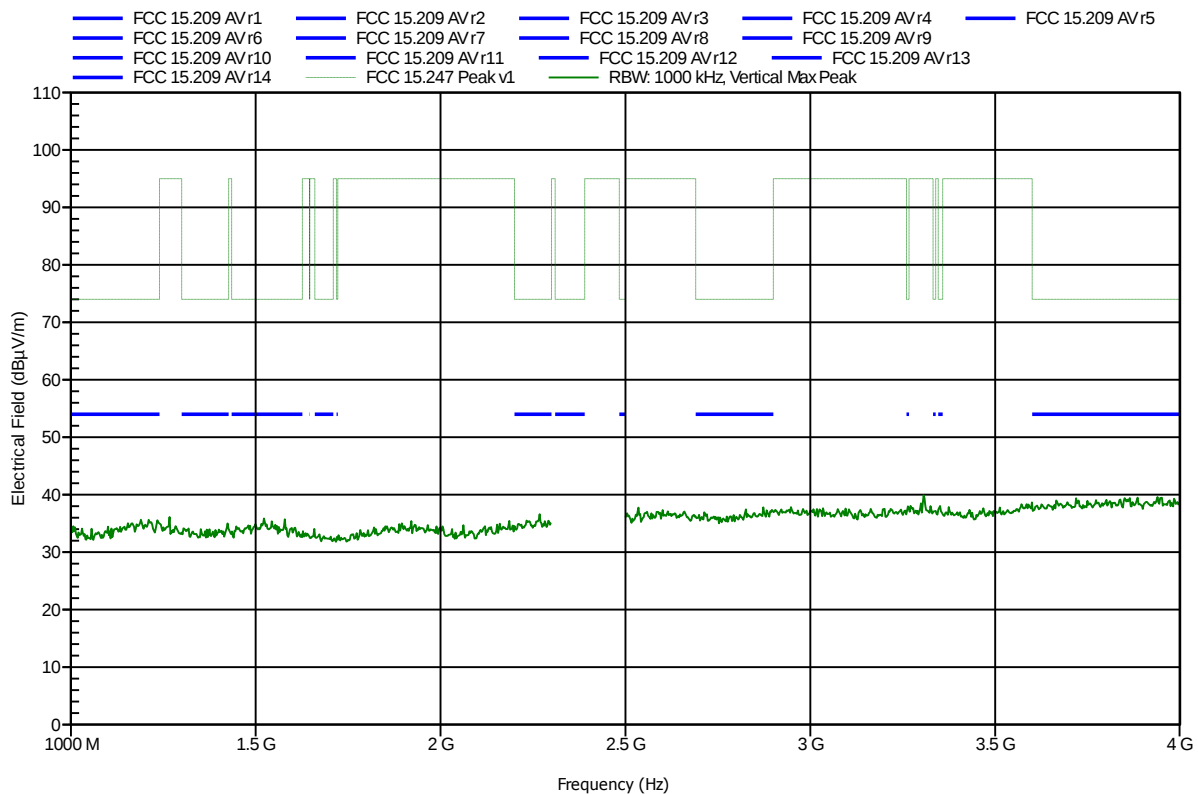


**Spurious emissions according to FCC 15.247**

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note:

Index 22

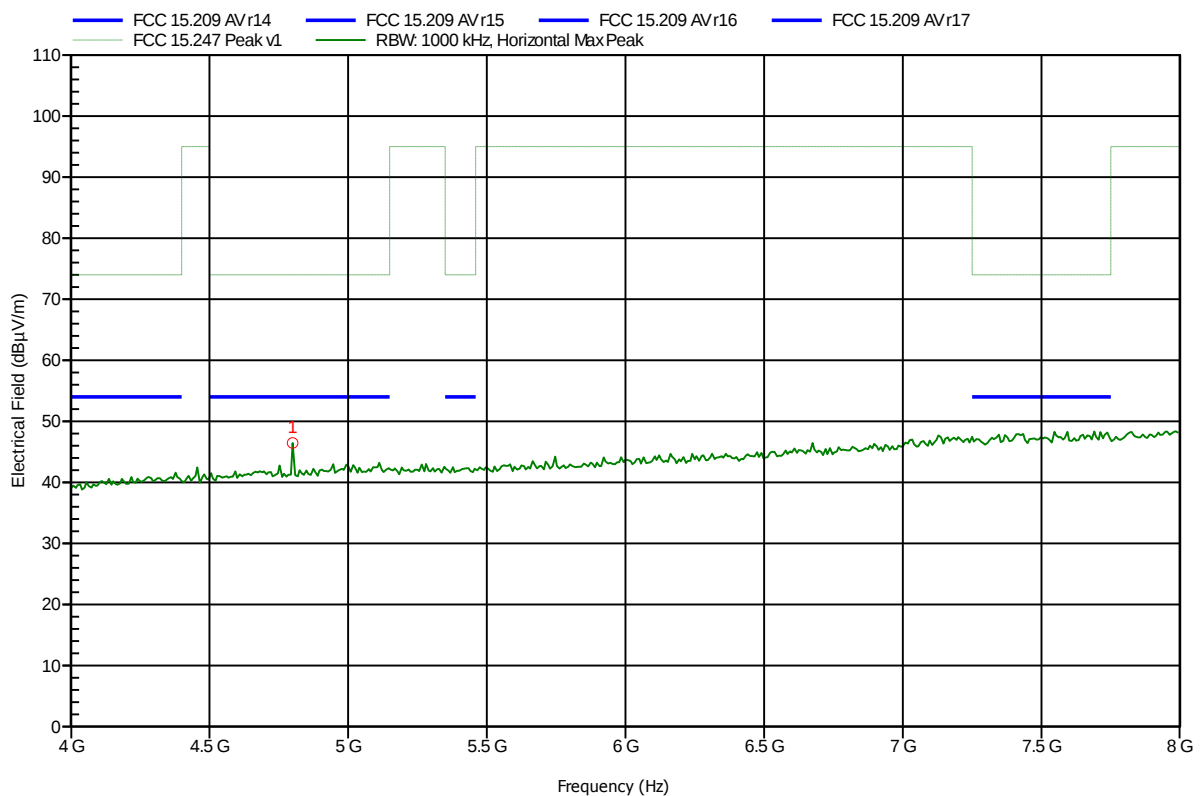


## Spurious emissions according to FCC 15.247

Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note:

Index 10



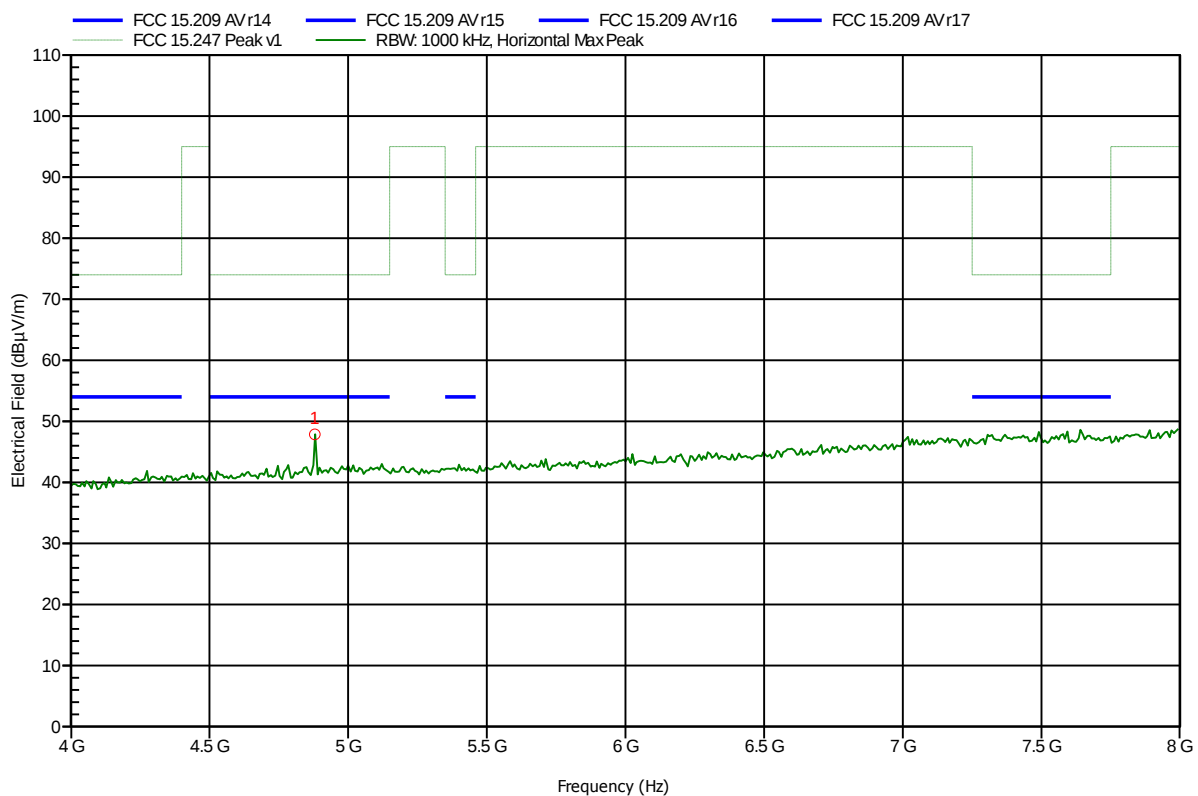
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.8 GHz   | 46.45 dBμV/m | 74 dBμV/m  | -27.55 dB       | Pass        |

**Spurious emissions according to FCC 15.247**

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 39  
 Test Date: 2014-03-27  
 Note:

Index 16



| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.88 GHz  | 47.87 dBµV/m | 74 dBµV/m  | -26.13 dB       | Pass        |

Test Report No.: G0M-1402-3635-TFC247BT-V01

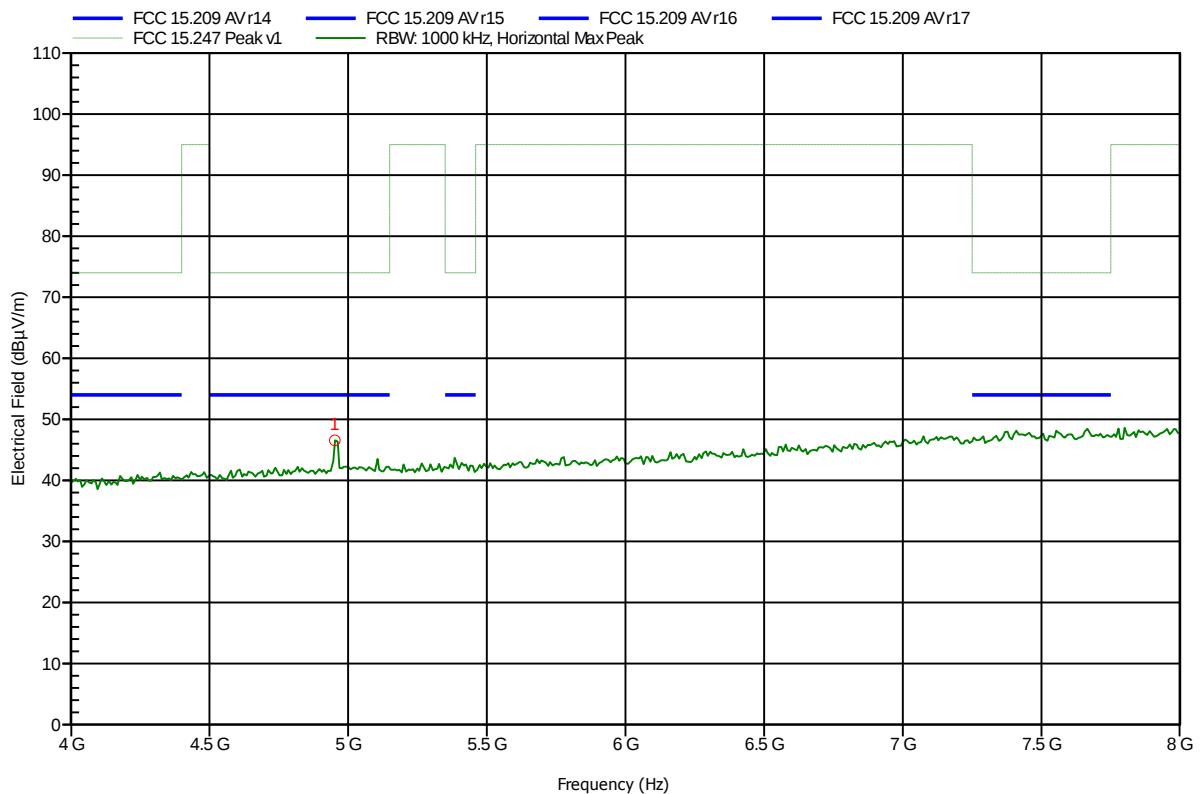
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note:

Index 21



| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.952 GHz | 46.55 dBμV/m | 74 dBμV/m  | -27.45 dB       | Pass        |

Test Report No.: GOM-1402-3635-TFC247BT-V01

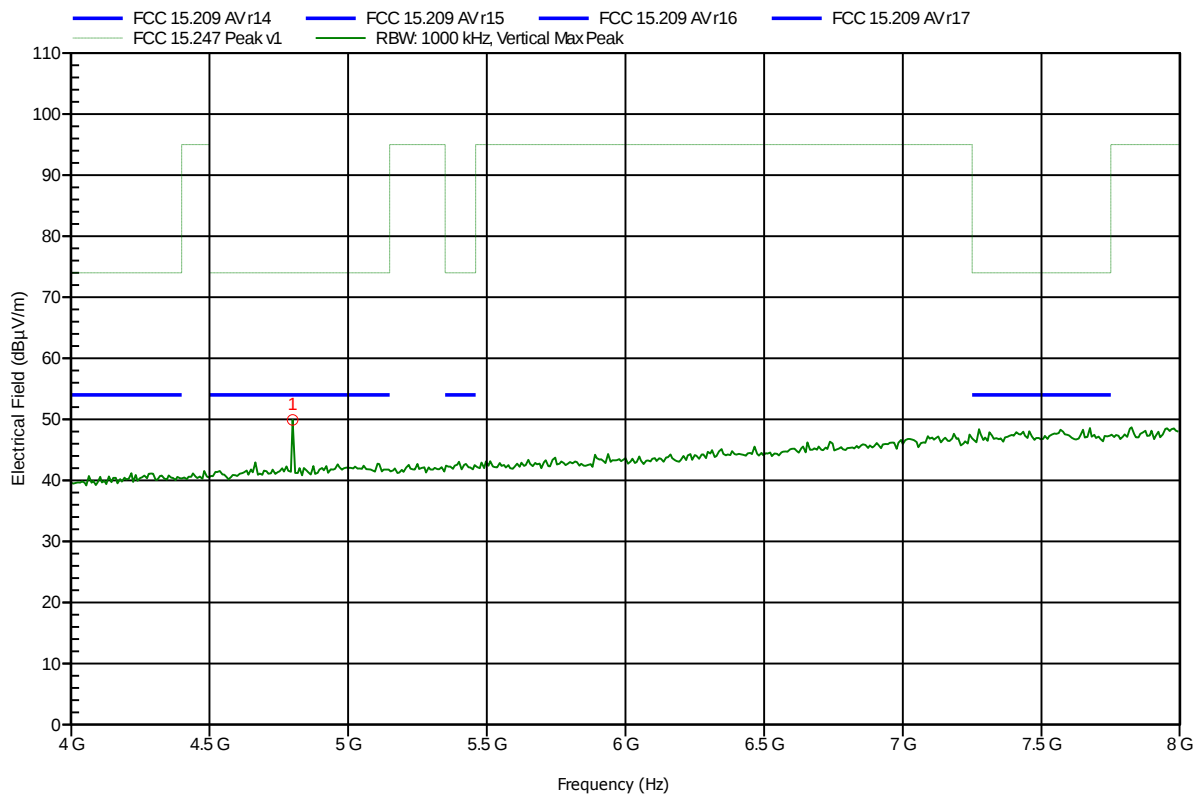
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note:

Index 13



| Frequency | Peak        | Peak Limit | Peak Difference | Peak Status |
|-----------|-------------|------------|-----------------|-------------|
| 4.8 GHz   | 49.9 dBµV/m | 74 dBµV/m  | -24.1 dB        | Pass        |

Test Report No.: GOM-1402-3635-TFC247BT-V01

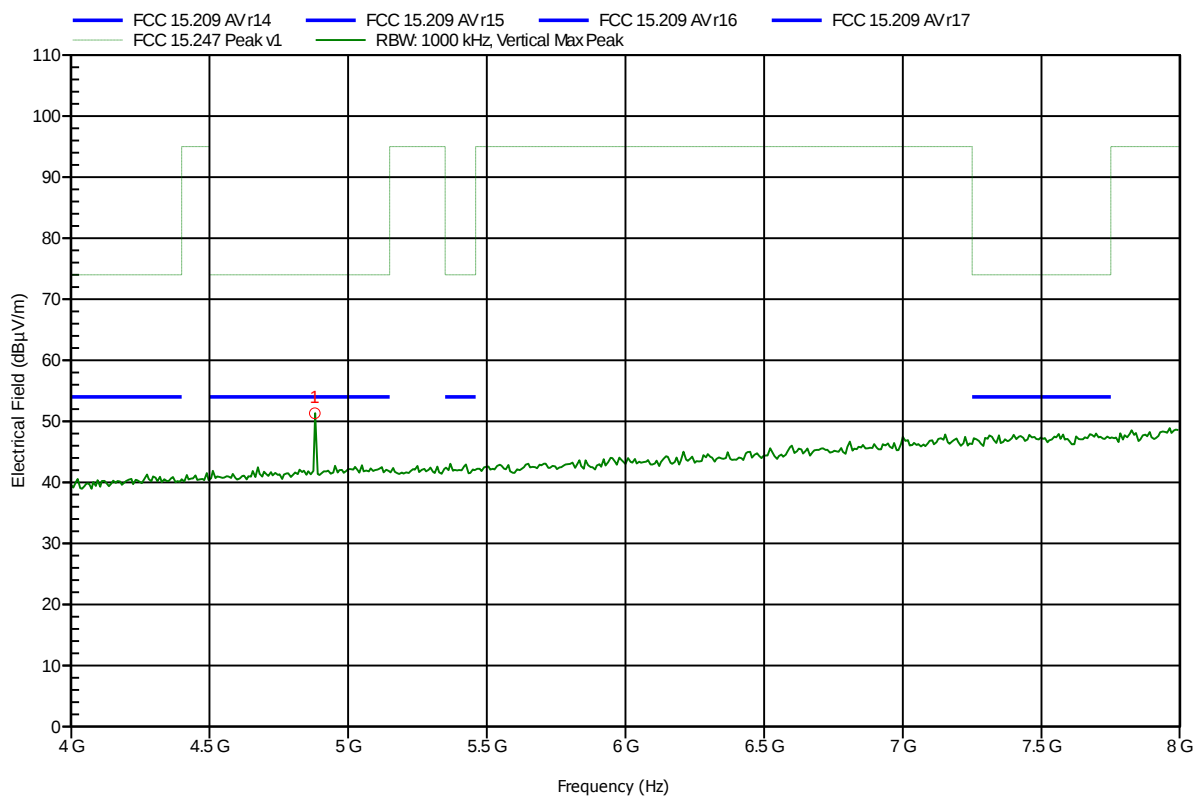
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 39  
 Test Date: 2014-03-27  
 Note:

Index 18



| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.88 GHz  | 51.33 dBµV/m | 74 dBµV/m  | -22.67 dB       | Pass        |

Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

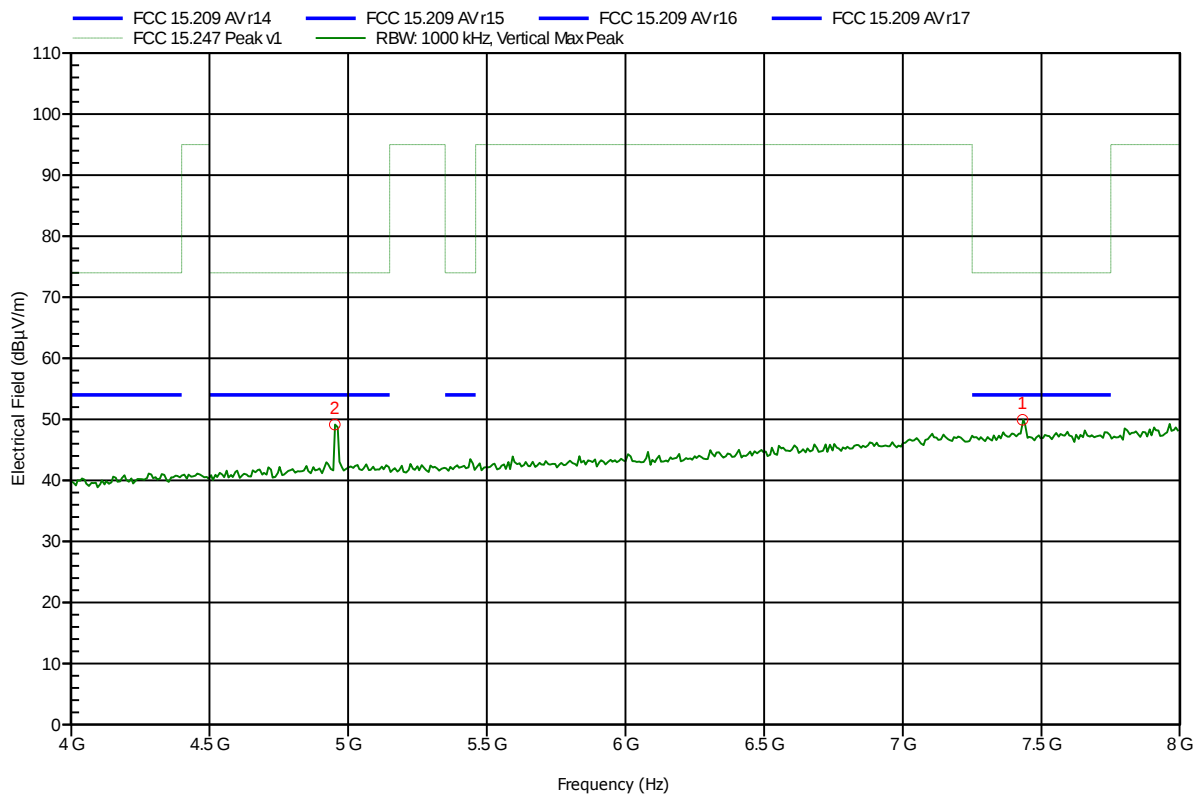


## Spurious emissions according to FCC 15.247

Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note:

Index 24



| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.952 GHz | 49.15 dBμV/m | 74 dBμV/m  | -24.85 dB       | Pass        |
| 7.432 GHz | 49.92 dBμV/m | 74 dBμV/m  | -24.08 dB       | Pass        |

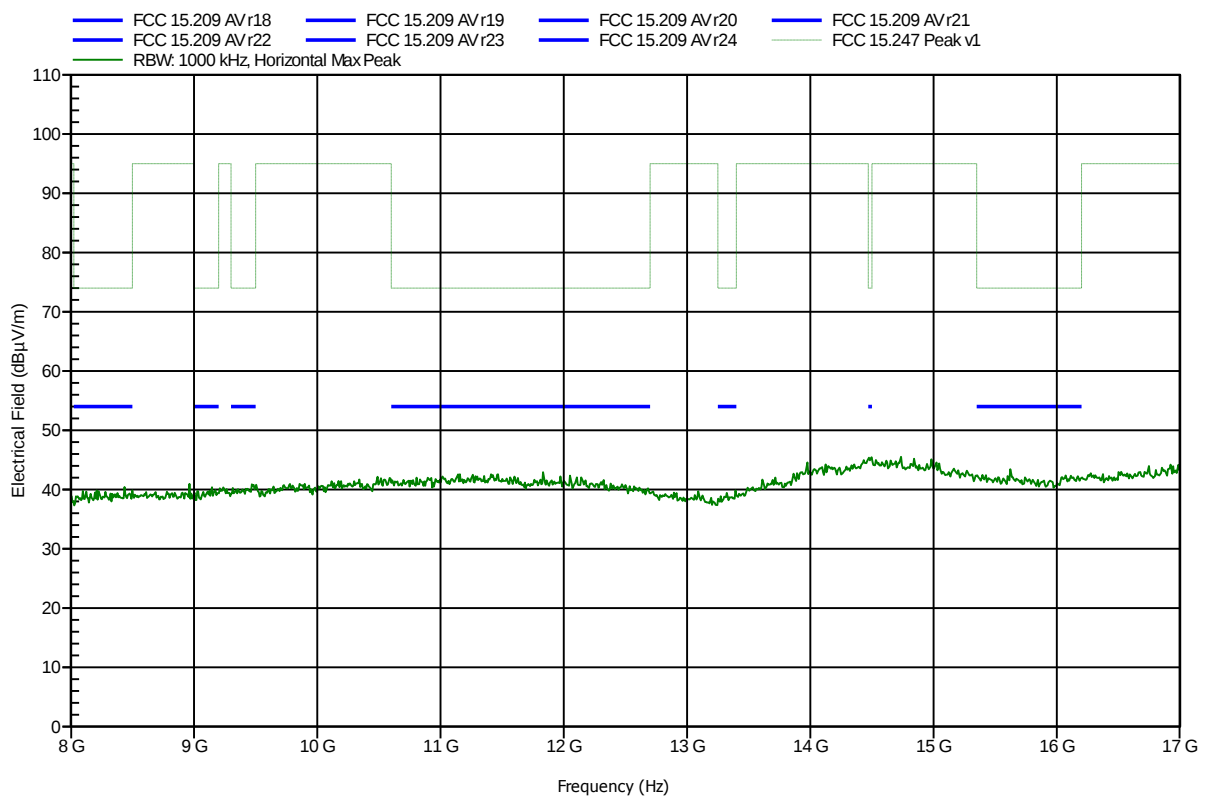


**Spurious emissions according to FCC 15.247**

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-28  
 Note:

Index 29



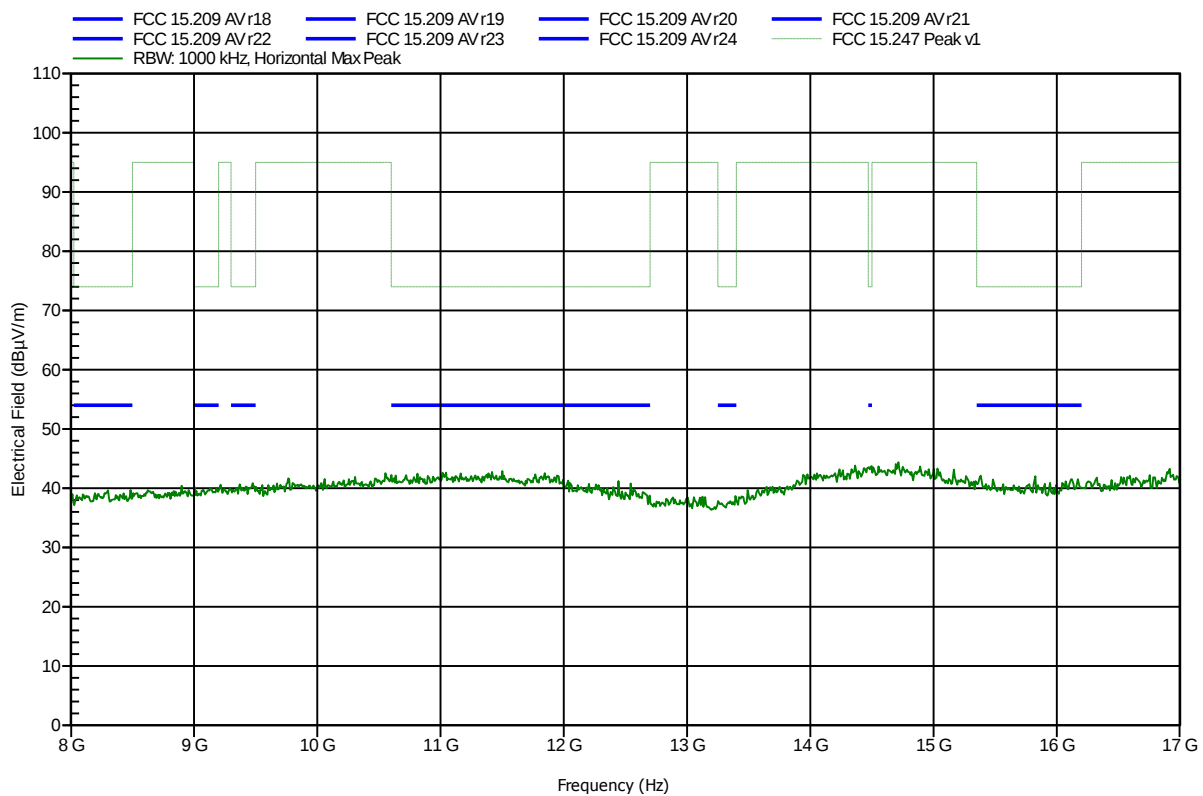
## Spurious emissions according to FCC 15.247

Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 39

Test Date: 2014-03-28  
 Note:

Index 31



## Spurious emissions according to FCC 15.247

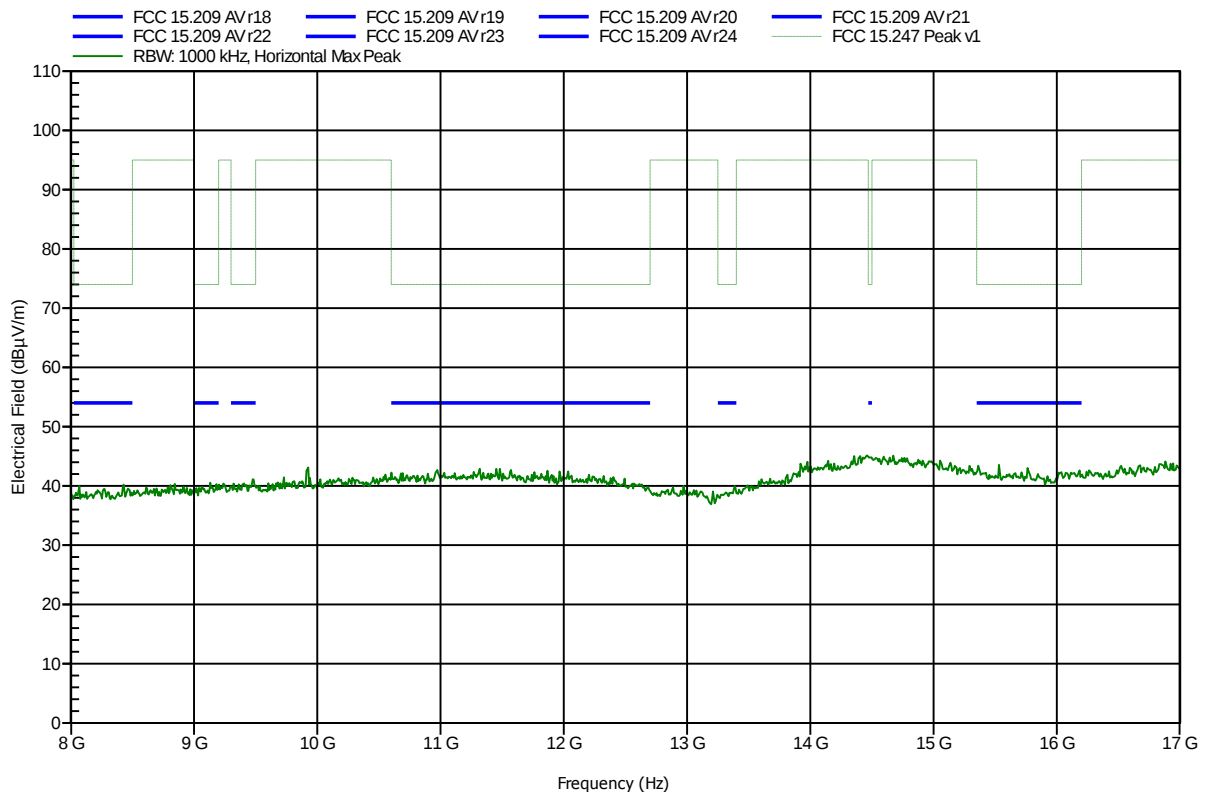
Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 78

Test Date: 2014-03-28

Note:

Index 33



## Spurious emissions according to FCC 15.247

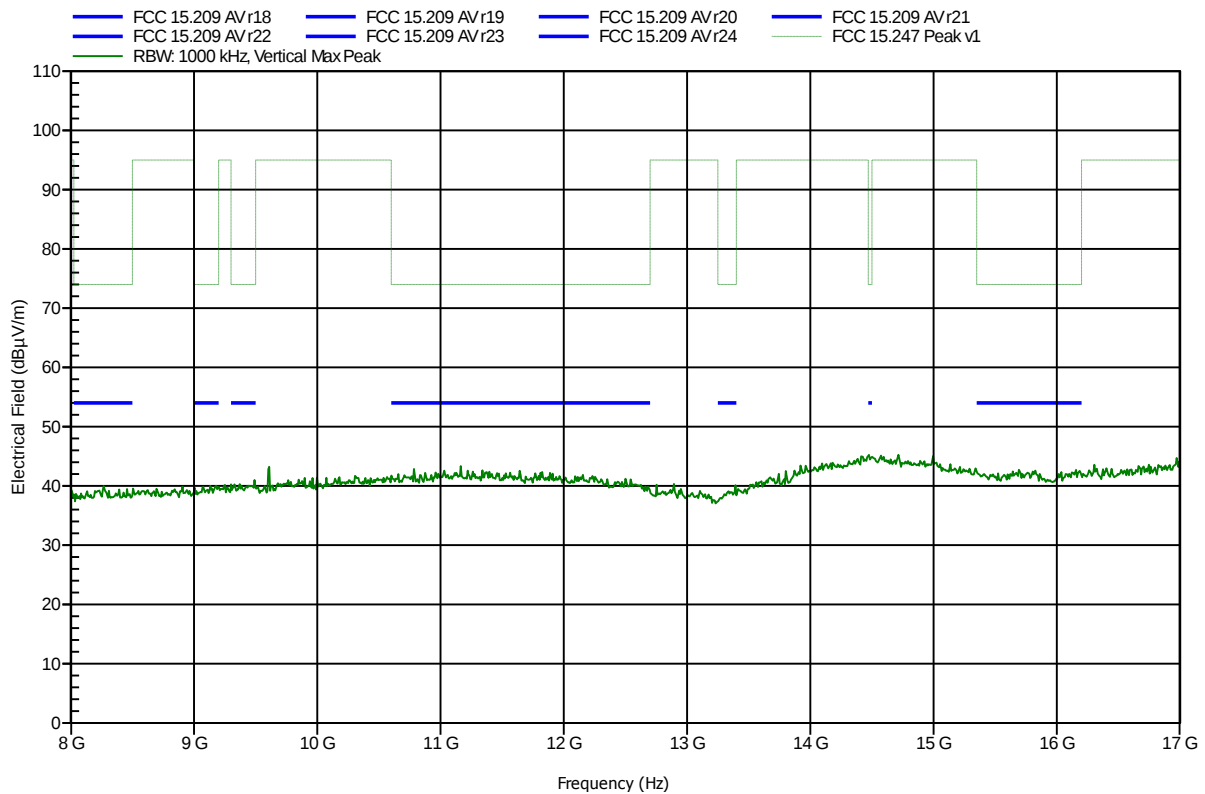
Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 0

Test Date: 2014-03-28

Note:

Index 35



Test Report No.: GOM-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC 15.247

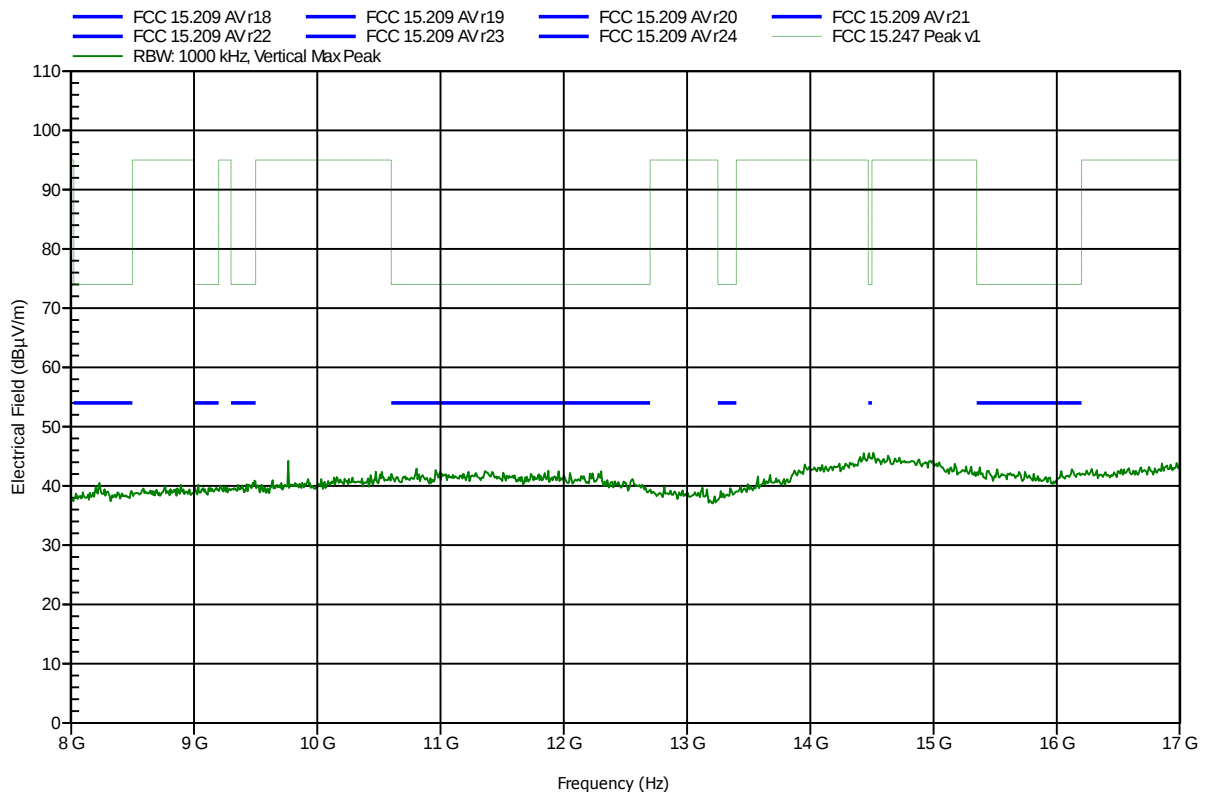
Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 39

Test Date: 2014-03-28

Note:

Index 37



## Spurious emissions according to FCC 15.247

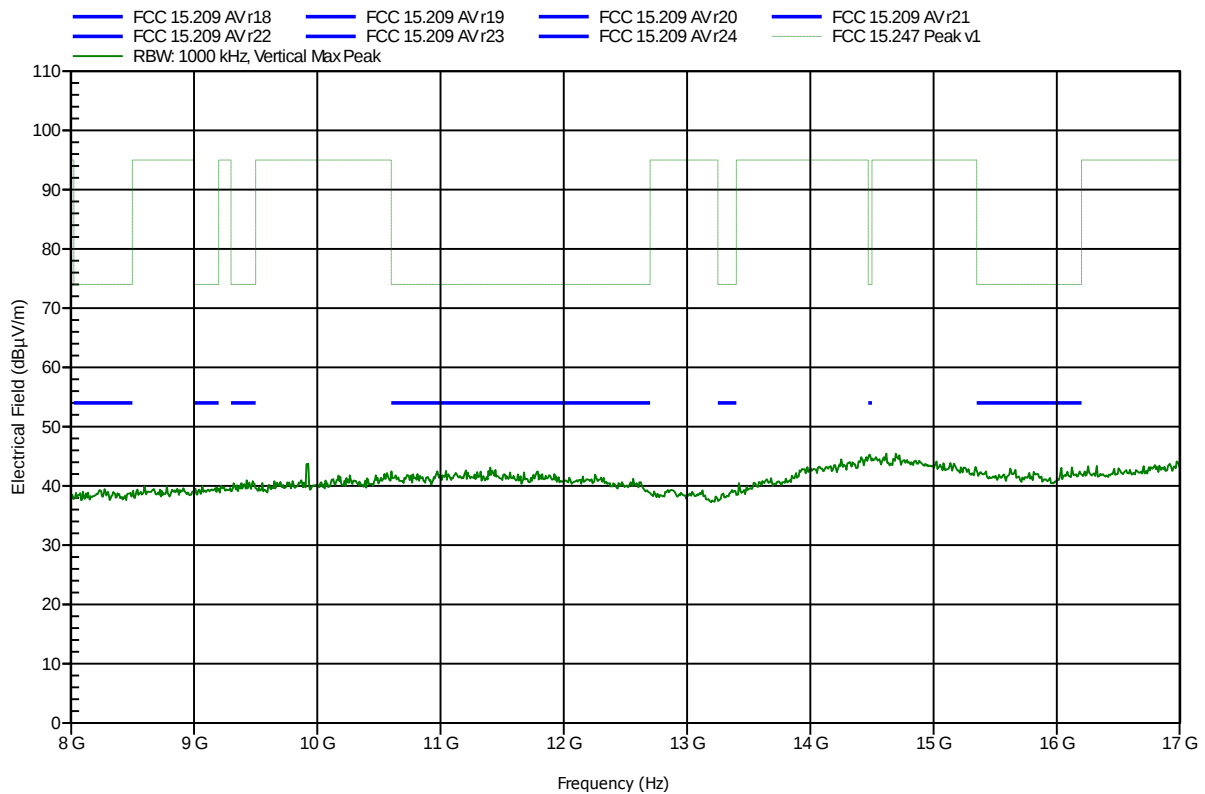
Project number: GOM-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 100 cm converted to 3m  
 Mode: TX; Channel 78

Test Date: 2014-03-28

Note:

Index 39

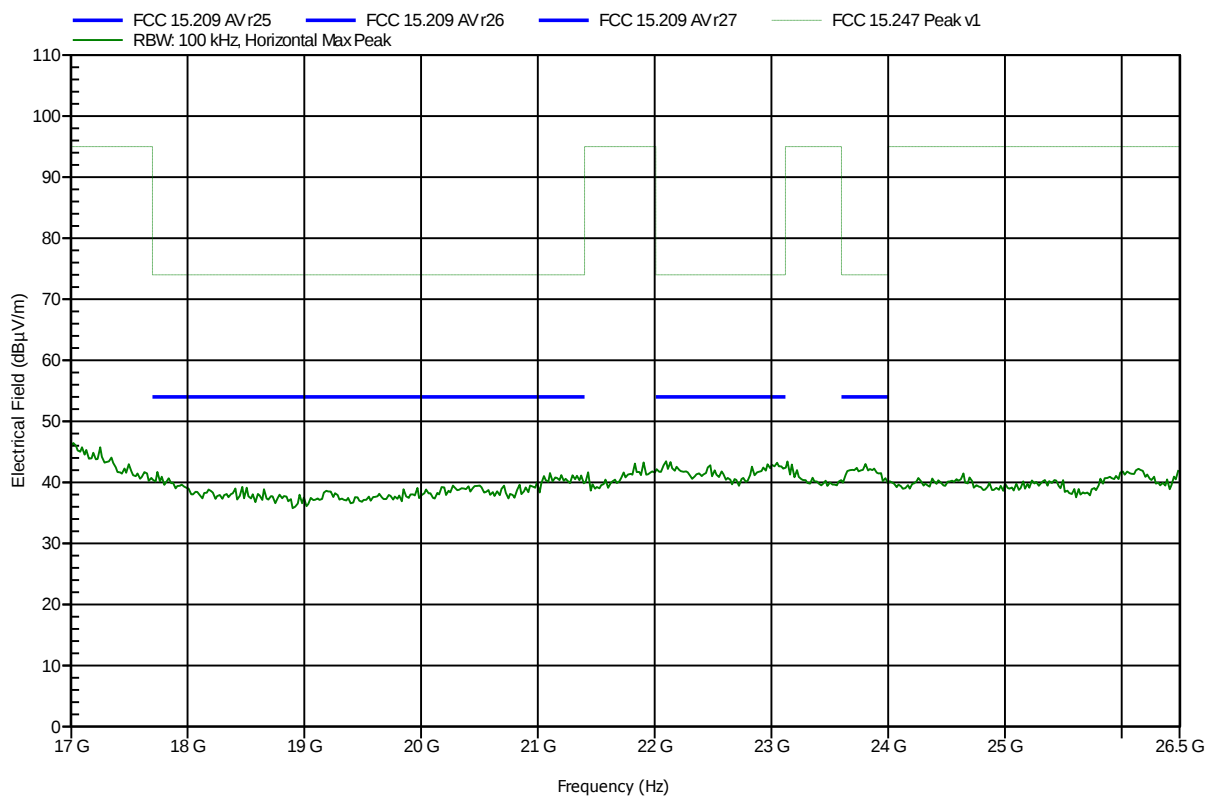


**Spurious emissions according to FCC 15.247**

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 100 cm  
 Mode: TX; Channel 0  
 Test Date: 2014-03-28  
 Note:

Index 30



## Spurious emissions according to FCC 15.247

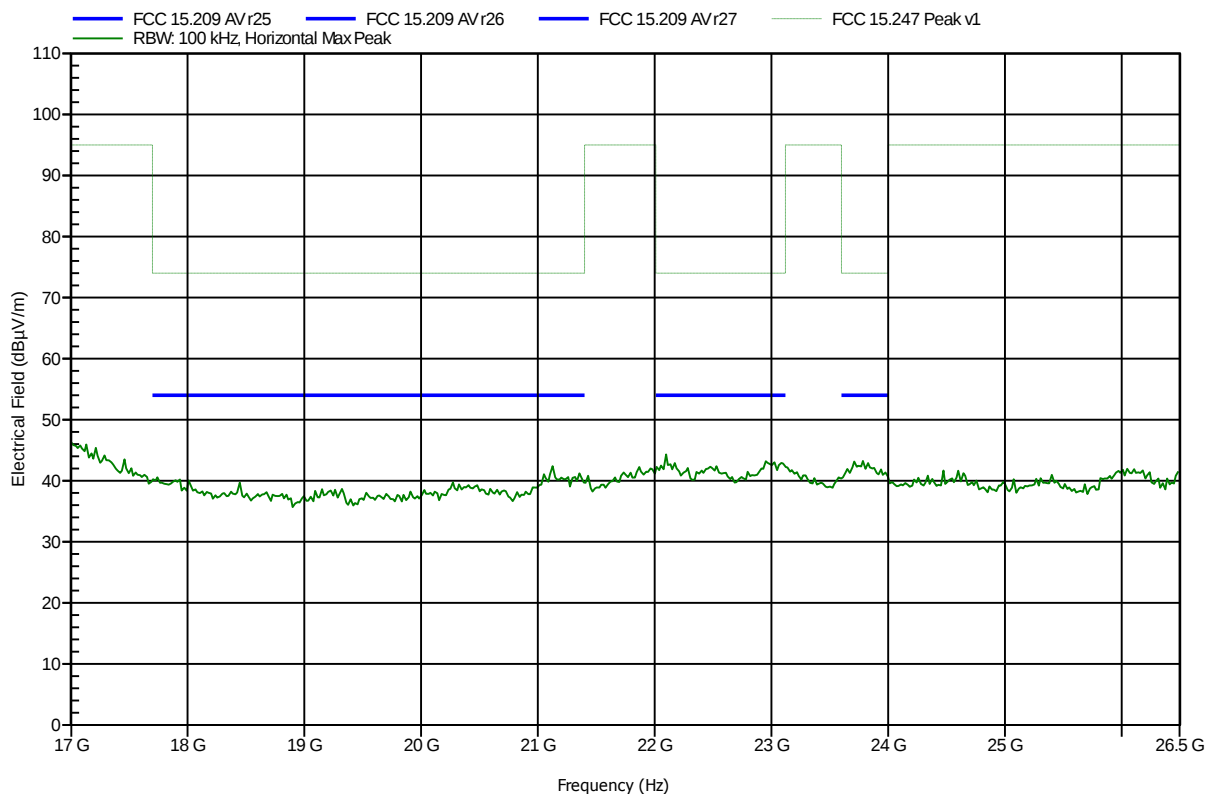
Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 100 cm  
 Mode: TX; Channel 39

Test Date: 2014-03-28

Note:

Index 32



## Spurious emissions according to FCC 15.247

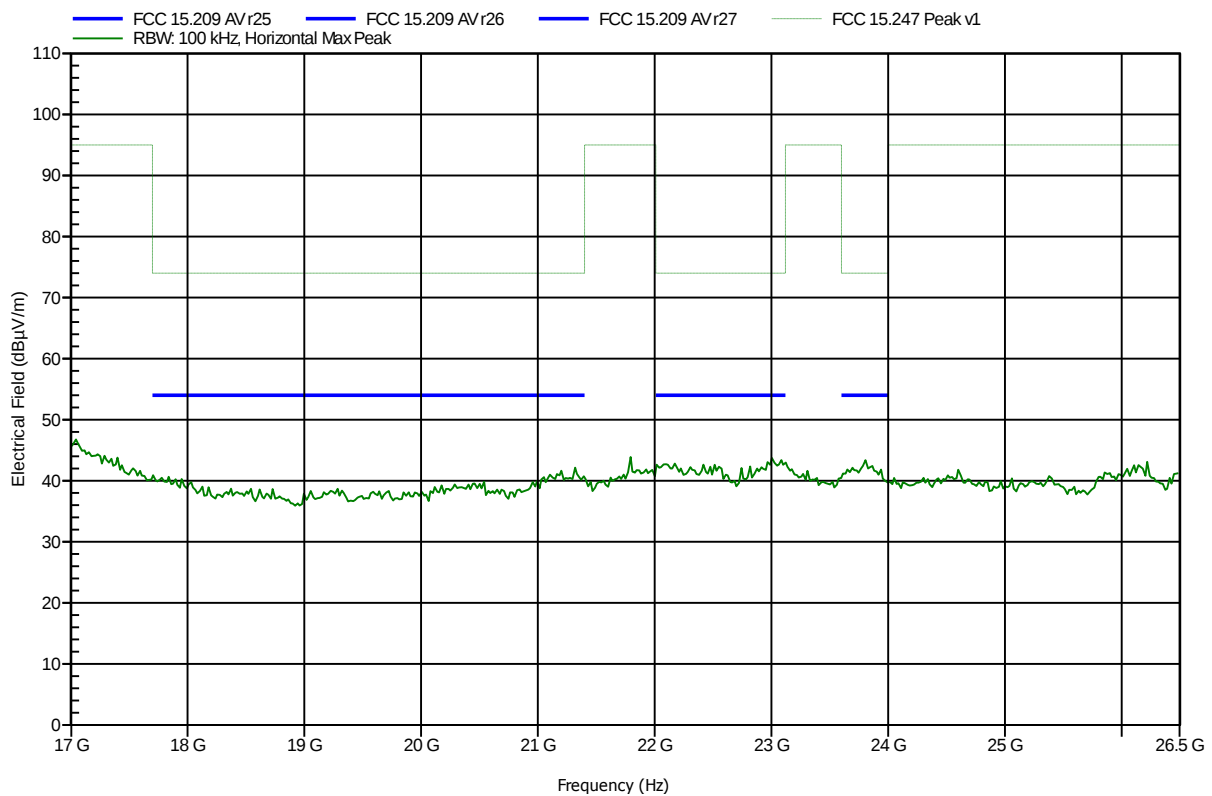
Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Horizontal  
 Measurement distance: 100 cm  
 Mode: TX; Channel 78

Test Date: 2014-03-28

Note:

Index 34



## Spurious emissions according to FCC 15.247

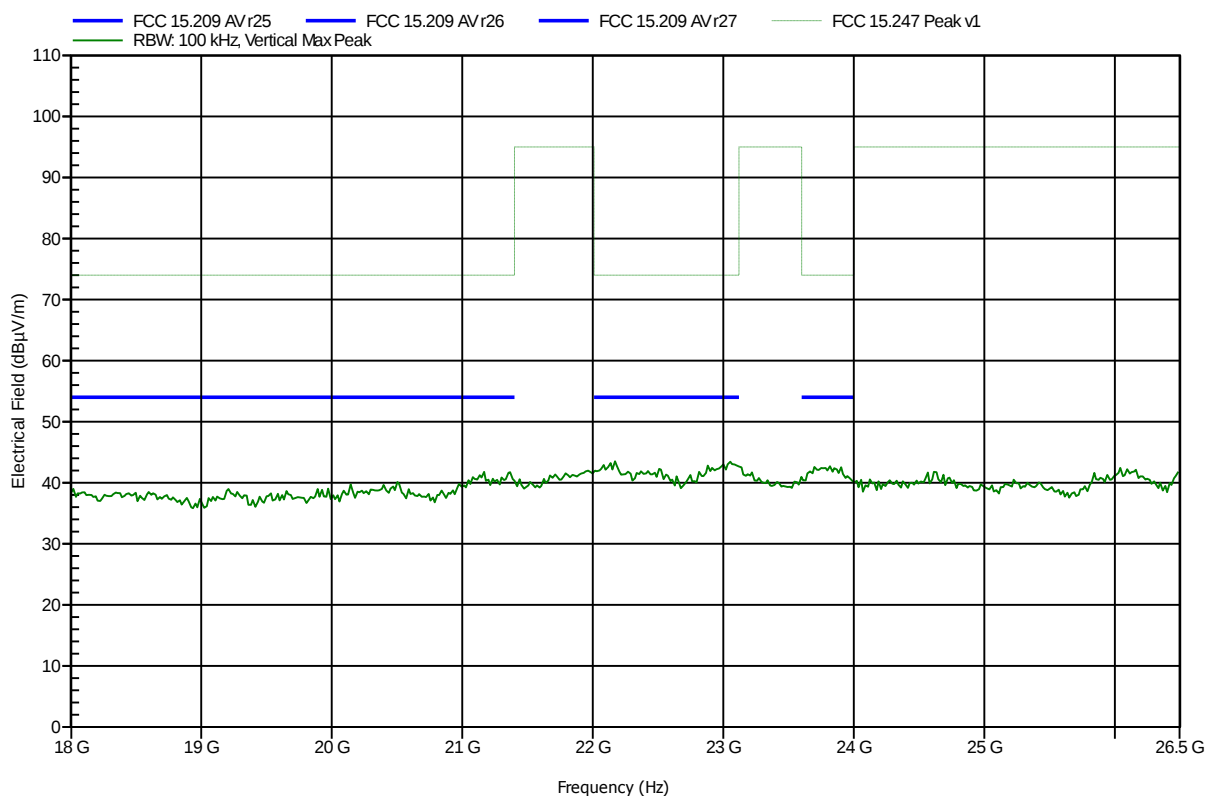
Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 100 cm  
 Mode: TX; Channel 0

Test Date: 2014-03-28

Note:

Index 36



Test Report No.: G0M-1402-3635-TFC247BT-V01

Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Spurious emissions according to FCC 15.247**

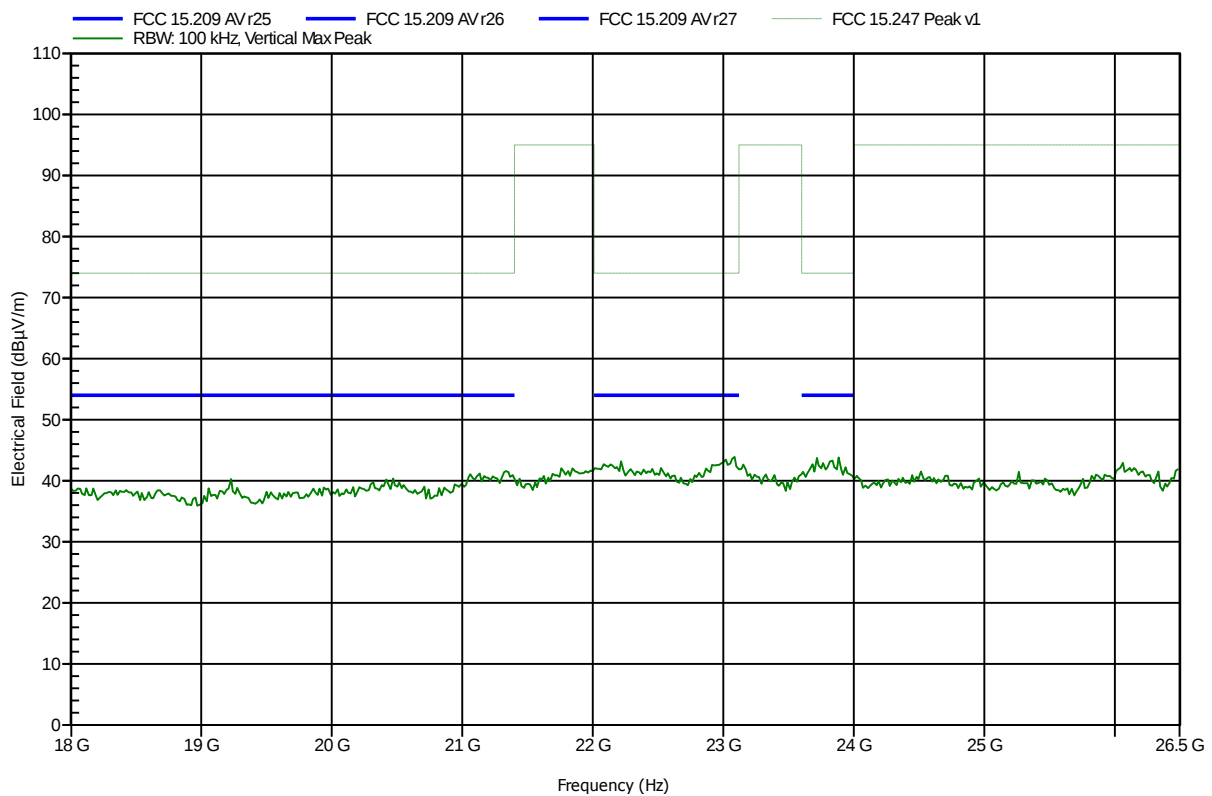
Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 100 cm  
 Mode: TX; Channel 39

Test Date: 2014-03-28

Note:

Index 38



## Spurious emissions according to FCC 15.247

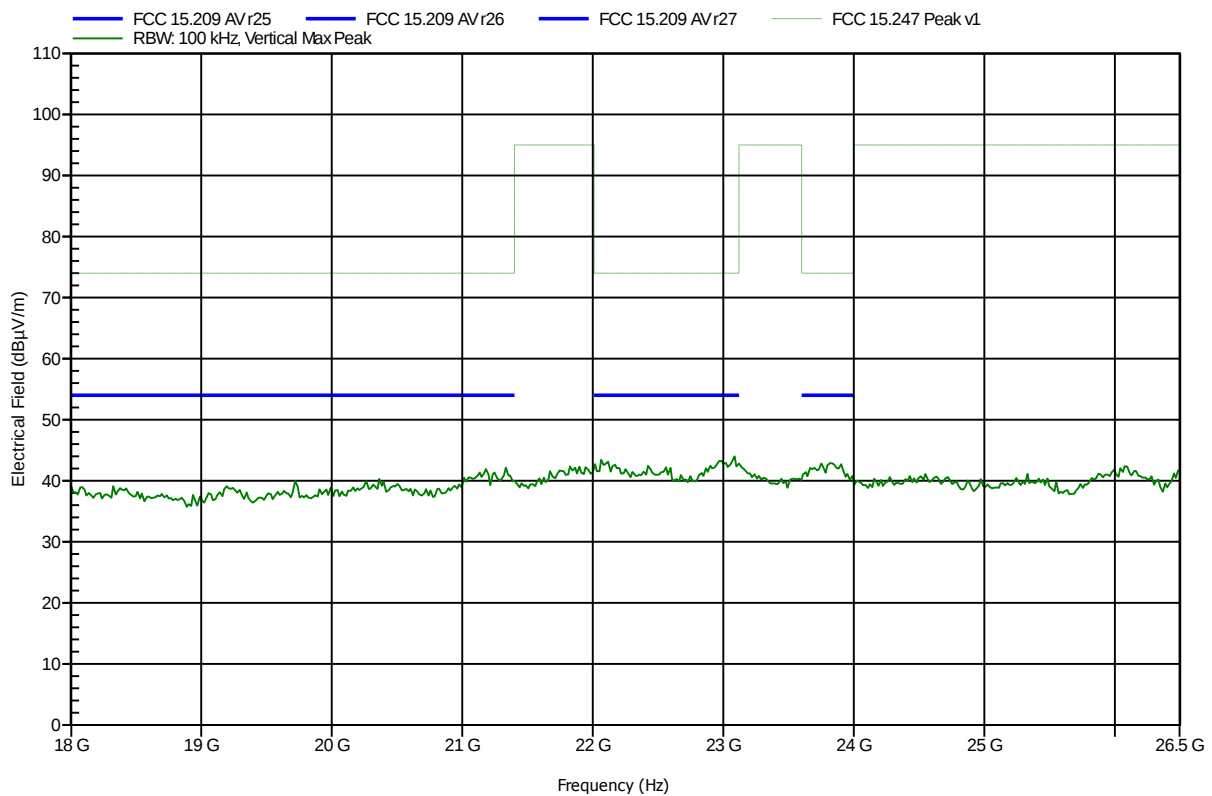
Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 025, Vertical  
 Measurement distance: 100 cm  
 Mode: TX; Channel 78

Test Date: 2014-03-28

Note:

Index 40



Test Report No.: G0M-1402-3635-TFC247BT-V01

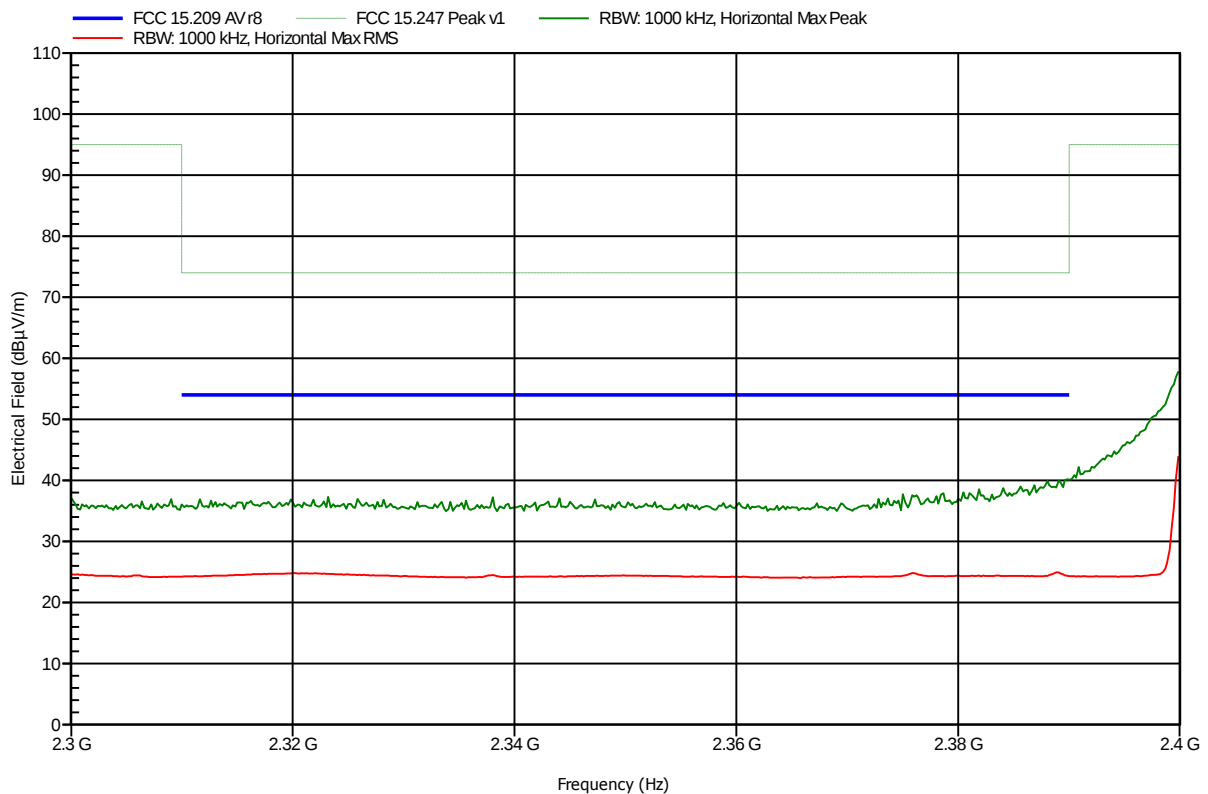
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

**Spurious emissions according to FCC Part 15b**

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note: lower bandedge

Index 9

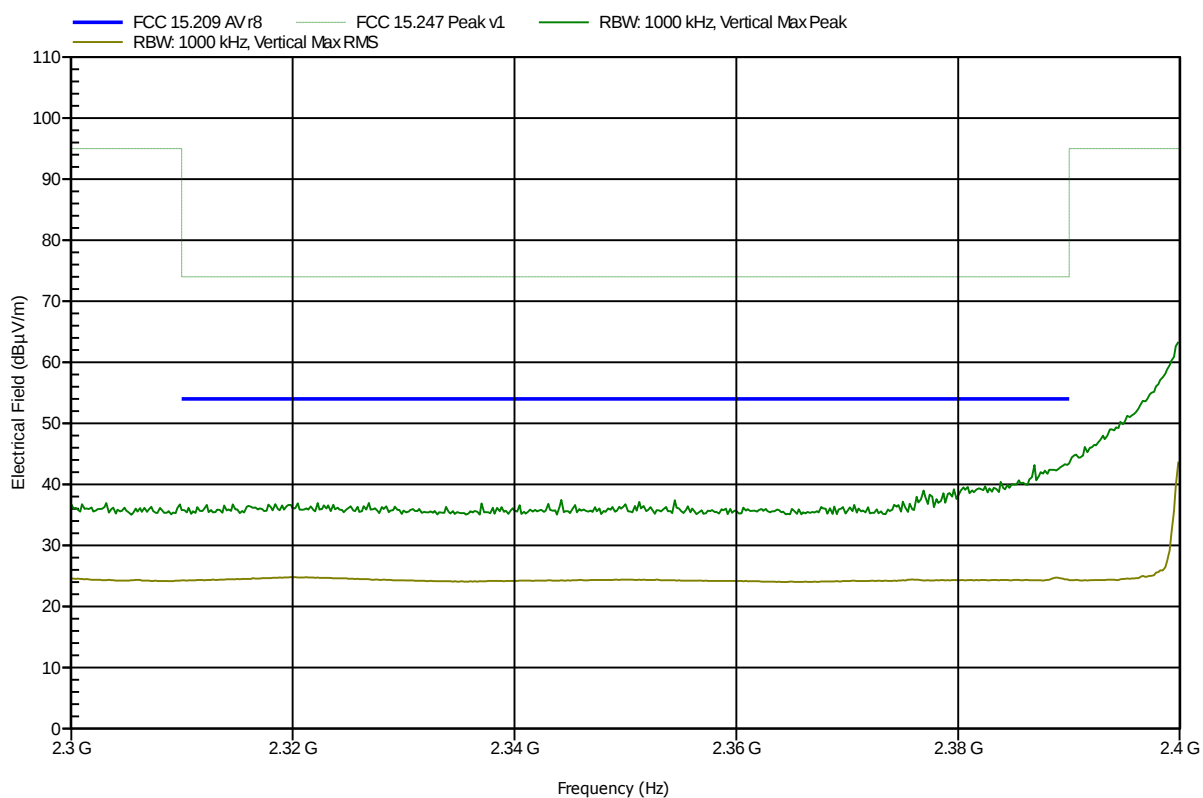


## Spurious emissions according to FCC Part 15b

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 0  
 Test Date: 2014-03-27  
 Note: lower bandedge

Index 12



Test Report No.: G0M-1402-3635-TFC247BT-V01

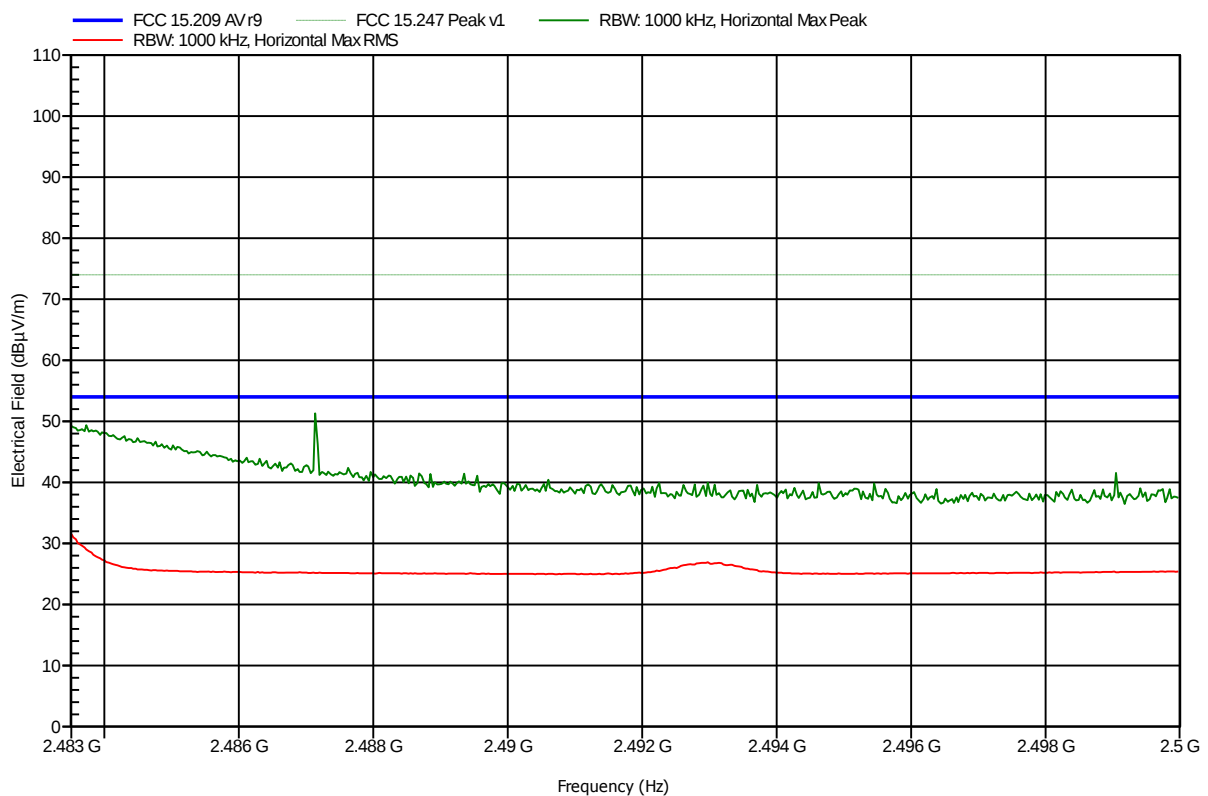
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to FCC Part 15b

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note: upper bandedge

Index 20

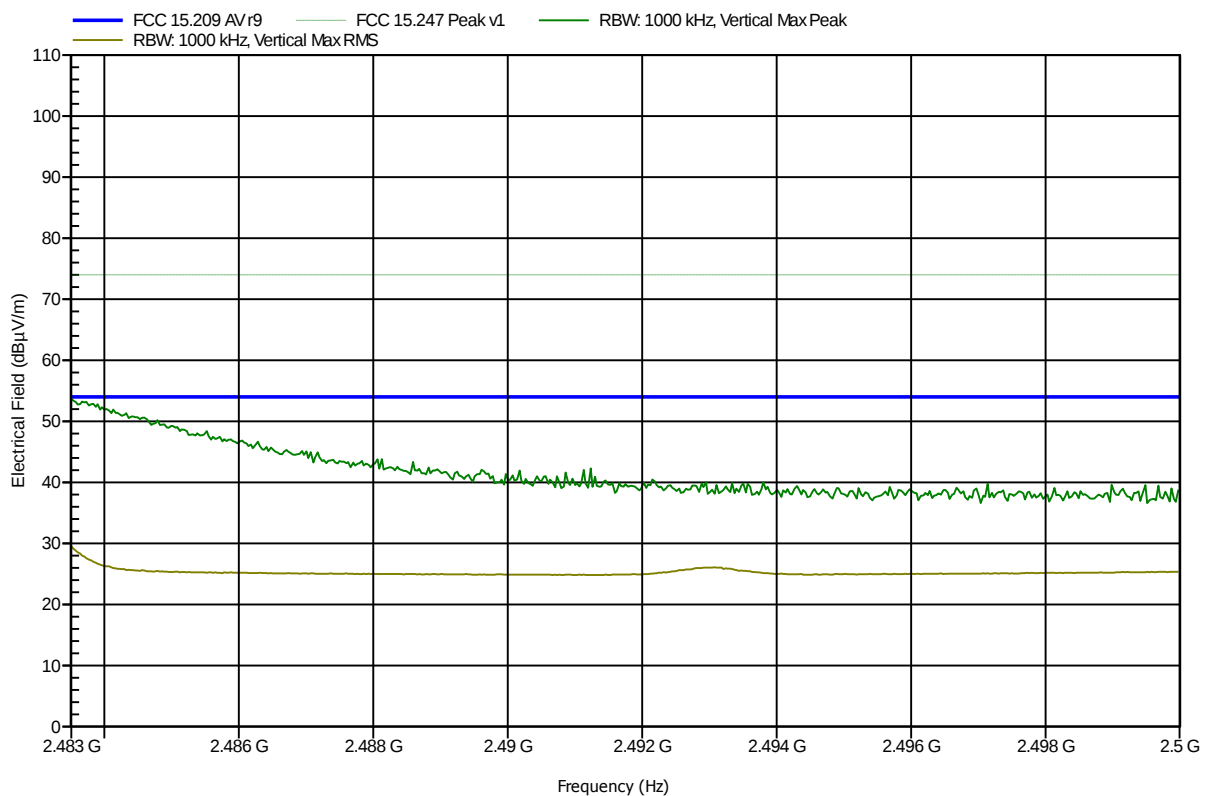


## Spurious emissions according to FCC Part 15b

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Channel 78  
 Test Date: 2014-03-27  
 Note: upper bandedge

Index 23



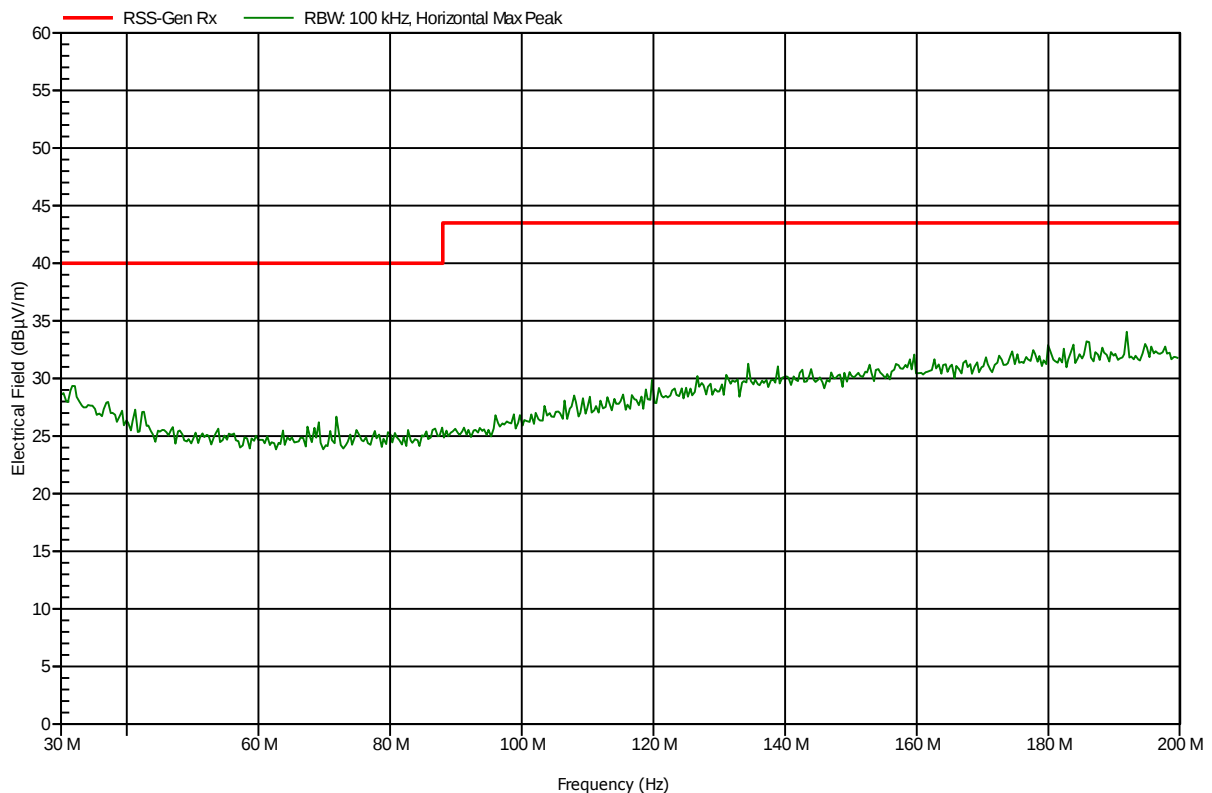
## ANNEX B Receiver radiated spurious emissions

### Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 27

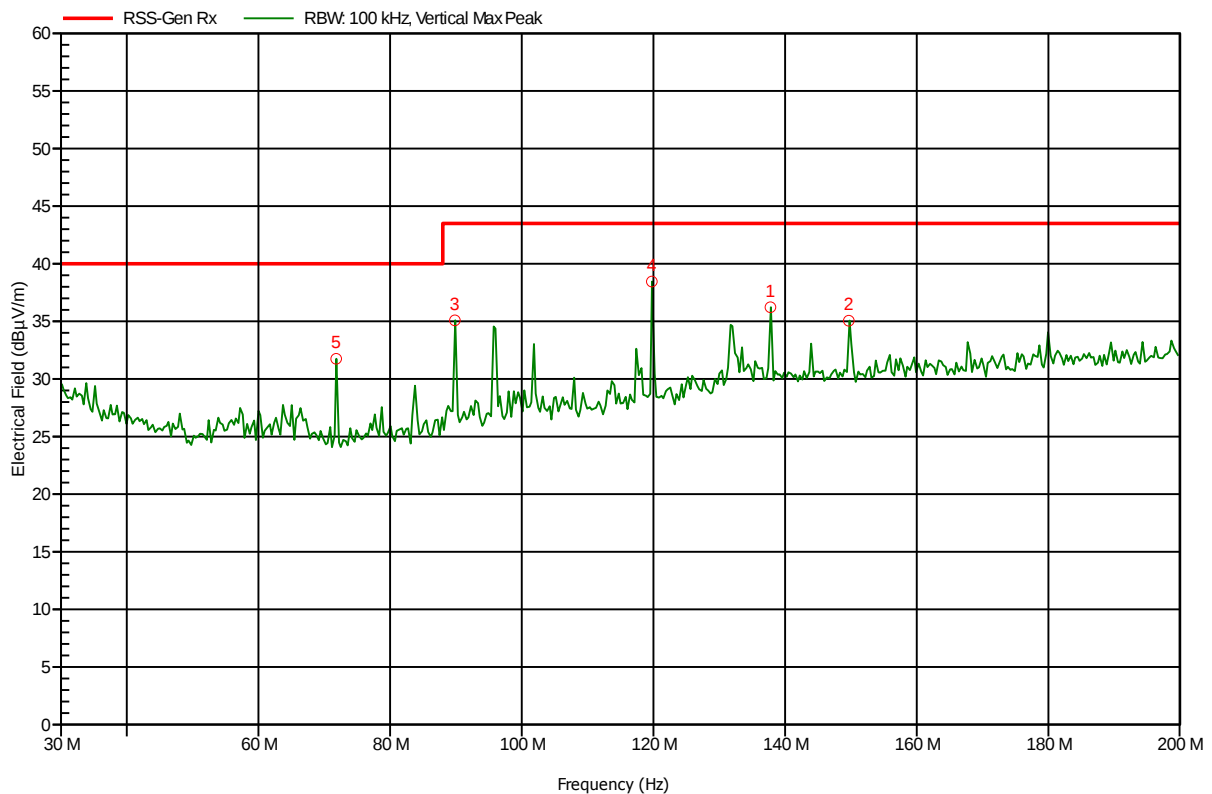


## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 28



| Frequency  | Peak         | Peak Limit  | Peak Difference | Status |
|------------|--------------|-------------|-----------------|--------|
| 71.82 MHz  | 31.75 dBµV/m | 40 dBµV/m   | -8.25 dB        | Pass   |
| 89.84 MHz  | 35.08 dBµV/m | 43.5 dBµV/m | -8.42 dB        | Pass   |
| 119.76 MHz | 38.45 dBµV/m | 43.5 dBµV/m | -5.05 dB        | Pass   |
| 137.78 MHz | 36.22 dBµV/m | 43.5 dBµV/m | -7.28 dB        | Pass   |
| 149.68 MHz | 35.06 dBµV/m | 43.5 dBµV/m | -8.44 dB        | Pass   |

Test Report No.: G0M-1402-3635-TFC247BT-V01

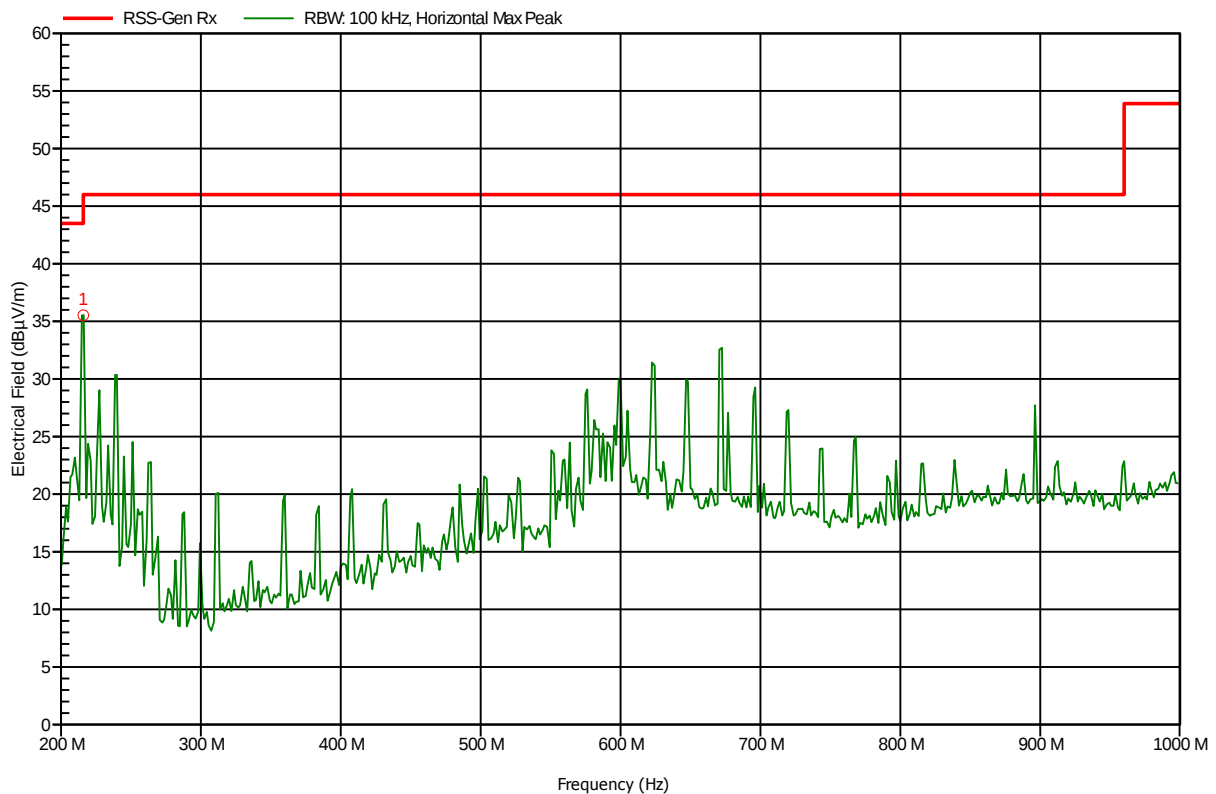
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 25



| Frequency | Peak         | Peak Limit  | Peak Difference | Status |
|-----------|--------------|-------------|-----------------|--------|
| 216 MHz   | 35.53 dBµV/m | 43.5 dBµV/m | -7.97 dB        | Pass   |

Test Report No.: G0M-1402-3635-TFC247BT-V01

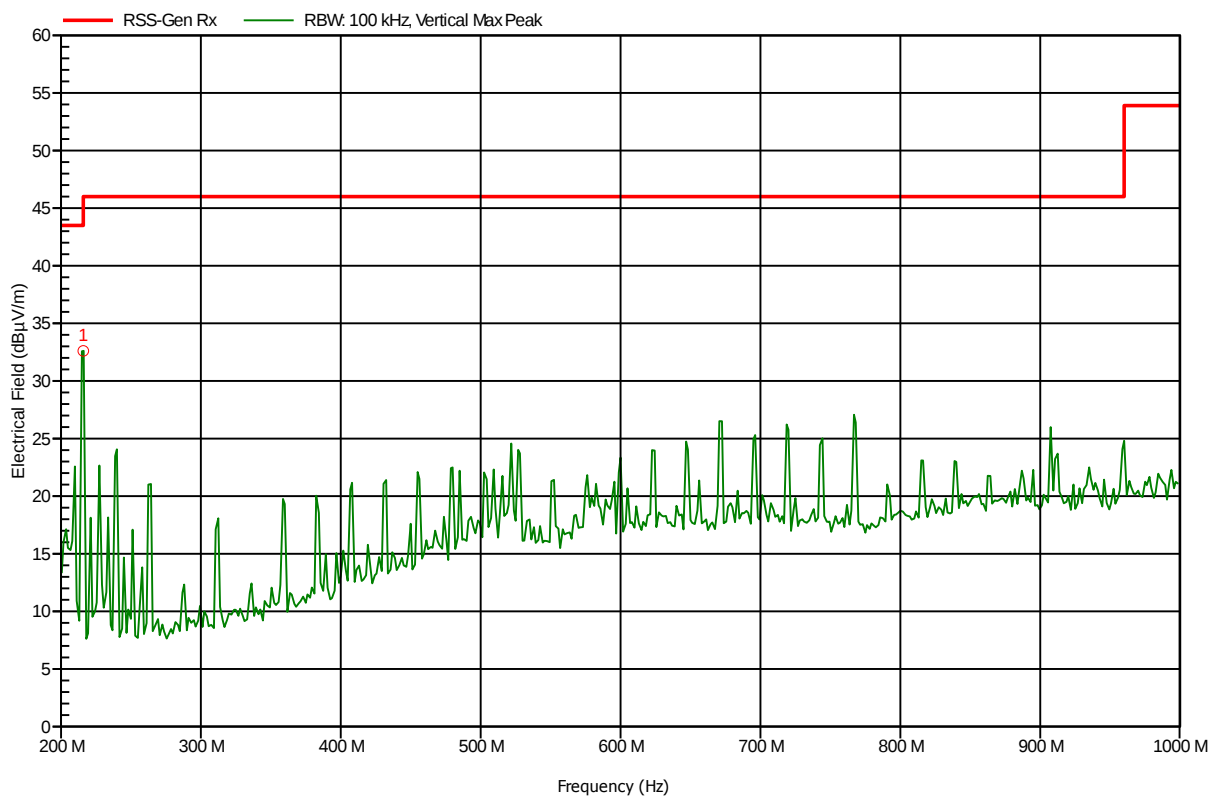
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 26



| Frequency | Peak        | Peak Limit  | Peak Difference | Status |
|-----------|-------------|-------------|-----------------|--------|
| 216 MHz   | 32.6 dBµV/m | 43.5 dBµV/m | -10.9 dB        | Pass   |

Test Report No.: G0M-1402-3635-TFC247BT-V01

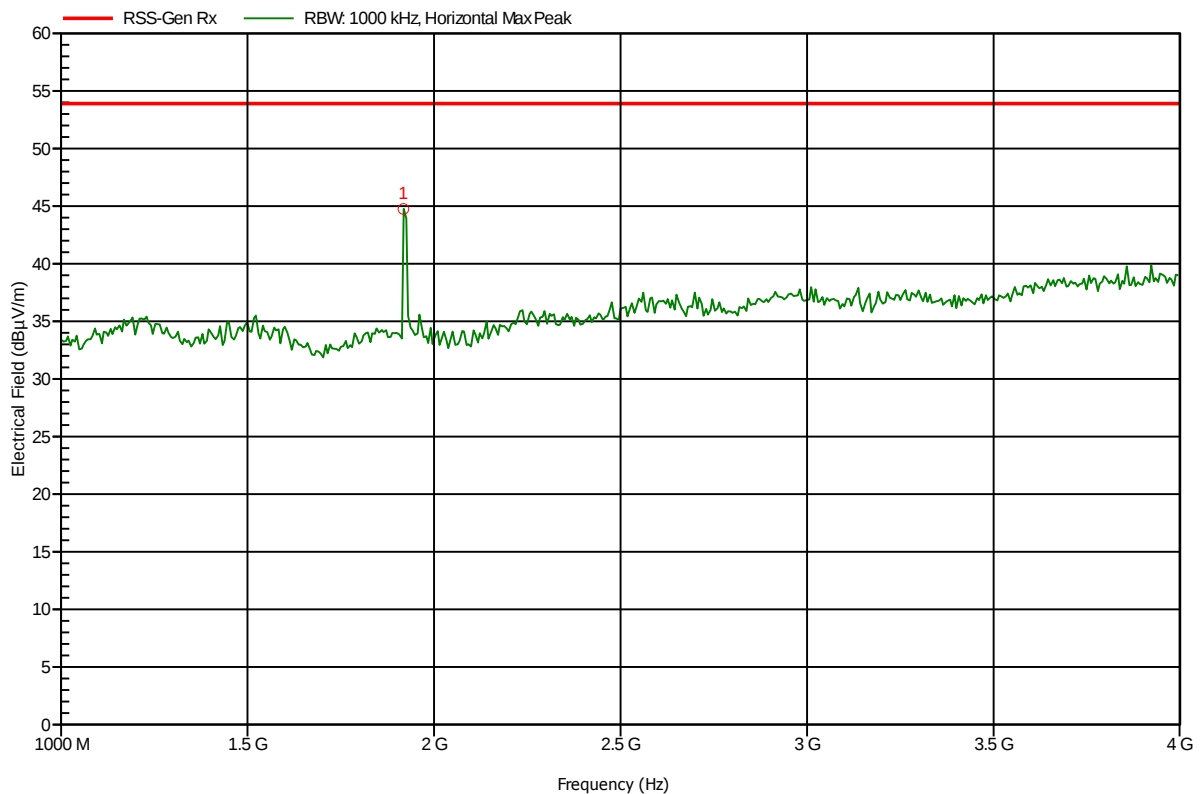
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 29



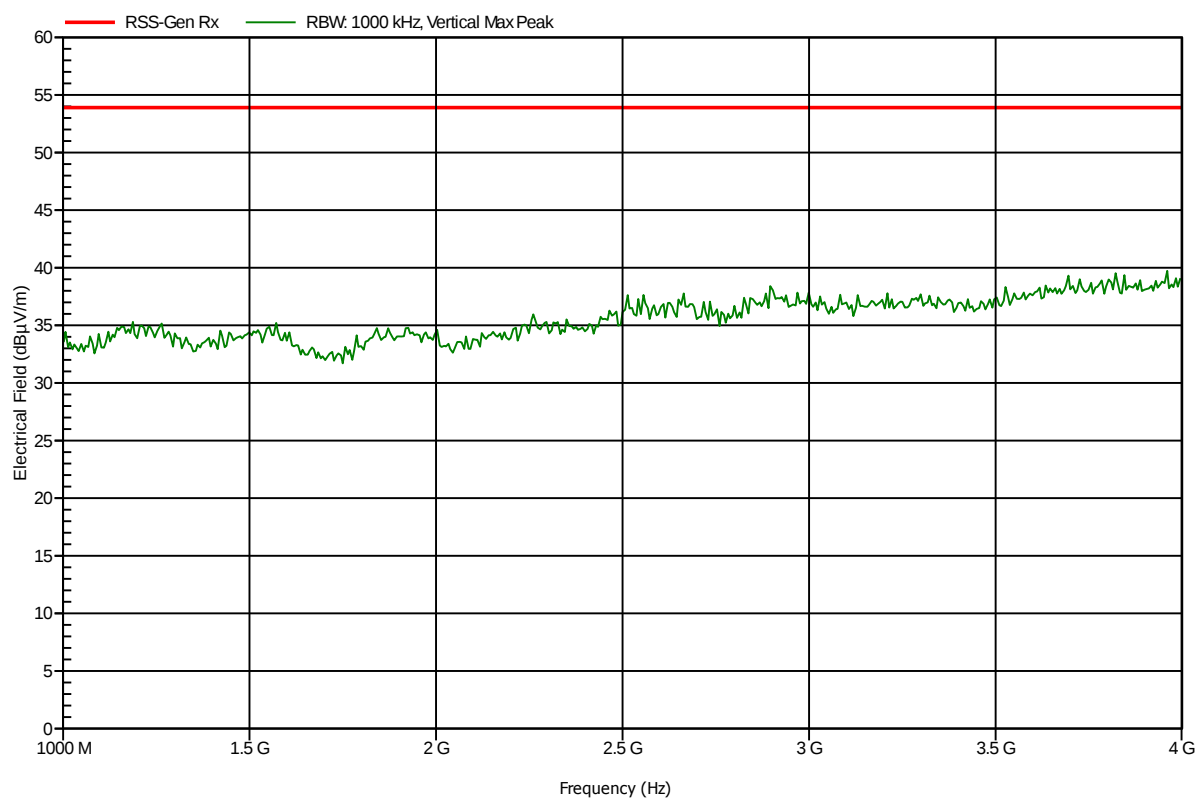
| Frequency | Peak         | Peak Limit  | Peak Difference | Status |
|-----------|--------------|-------------|-----------------|--------|
| 1.918 GHz | 44.76 dBμV/m | 53.9 dBμV/m | -9.14 dB        | Pass   |

## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 30

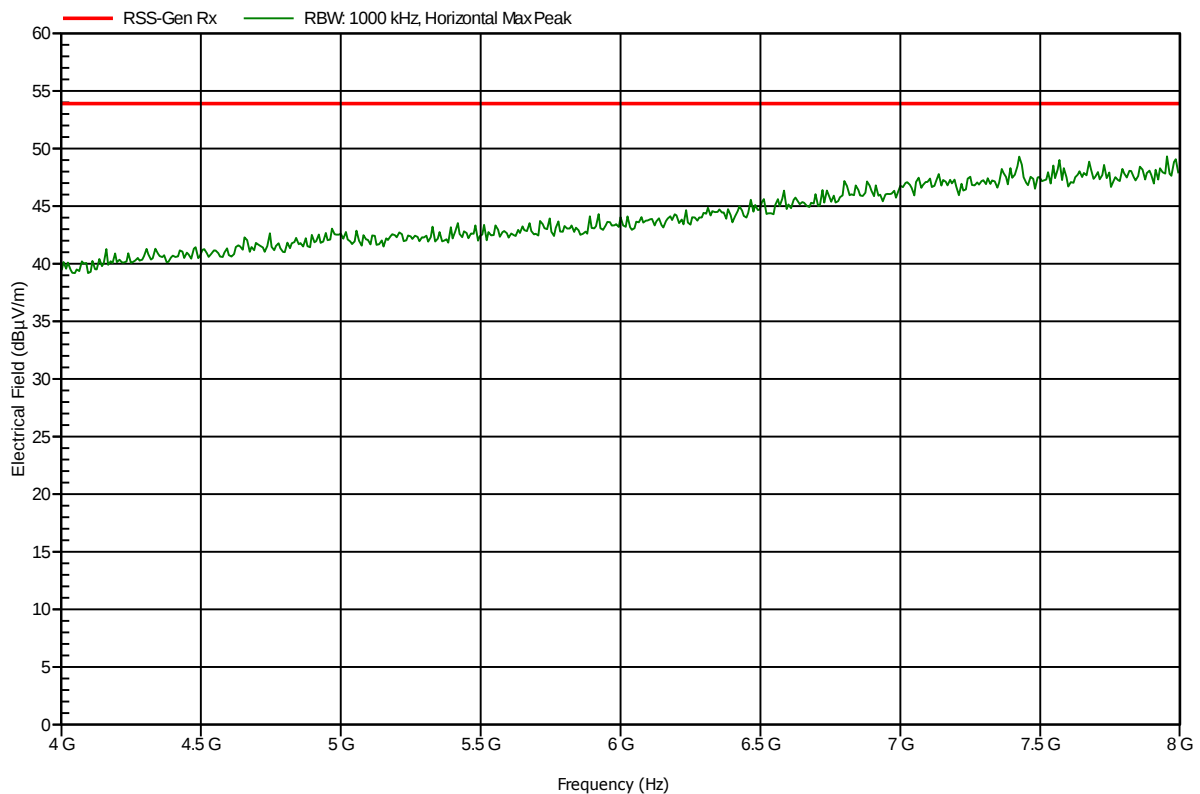


## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 31

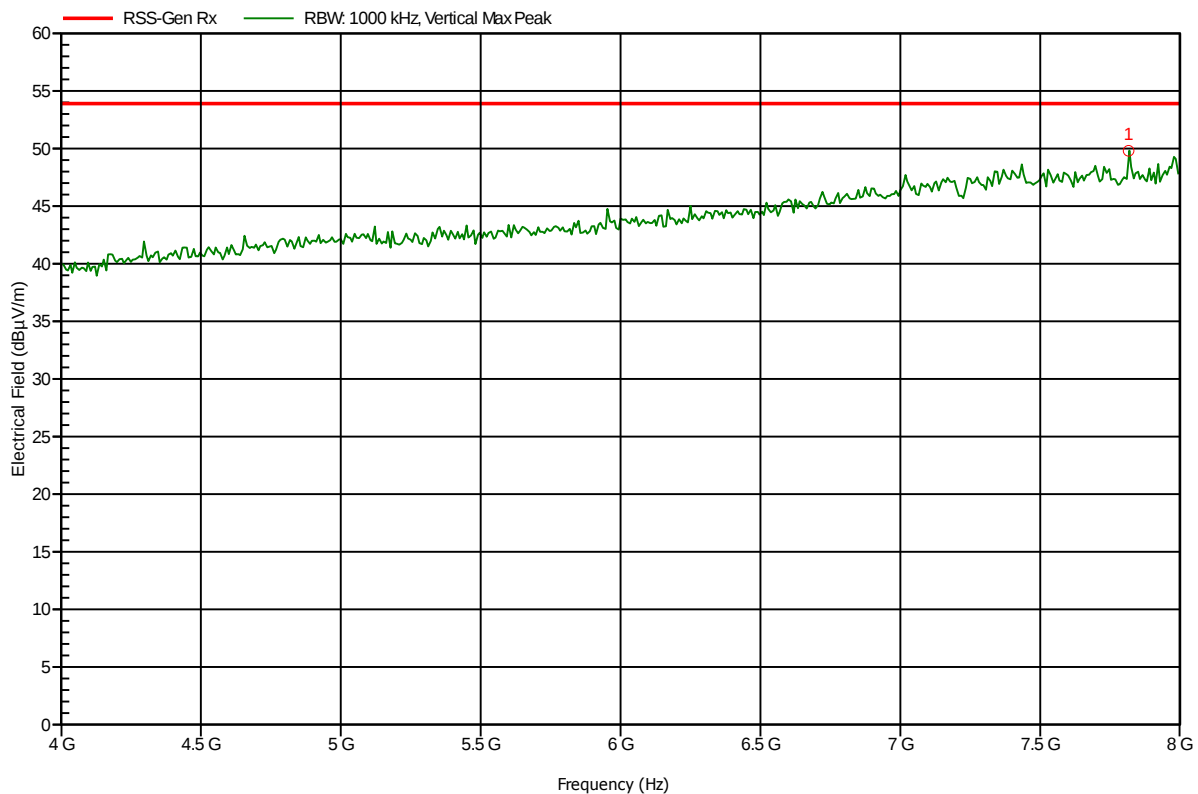


## Spurious emissions according to RSS-Gen

Project number: G0M-1402-3635

Manufacturer: TomTom International BV  
 EUT Name: Telematics device with BT  
 Model: L0100  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 24°C, Vnom: 12VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Scan Mode  
 Test Date: 2014-03-28  
 Note:

Index 32



| Frequency | Peak         | Peak Limit  | Peak Difference | Status |
|-----------|--------------|-------------|-----------------|--------|
| 7.816 GHz | 49.81 dBµV/m | 53.9 dBµV/m | -4.09 dB        | Pass   |