

| FCC TEST REPORT FCC 47 CFR Part 15C Industry Canada RSS-210 Frequency hopping systems operating within the 2400 – 2483.5 MHz band | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Report Reference No. | G0M-1406-3920-TFC247BT-V01 |
| Testing Laboratory | Eurofins Product Service GmbH |
| Address | Storkower Str. 38c 15526 Reichenwalde Germany |
| Accreditation | <div style="display: flex; justify-content: center; align-items: center;">   </div> <p style="text-align: center; margin-top: 5px;"> A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Filed Test Laboratory, Reg.-No.: 96970 IC OATS Filing assigned code: 3470A </p> |
| Applicant's name | GN Netcom A/S |
| Address | Lautrupbjerg 7 2750 Ballerup DENMARK |
| Test specification: | |
| Standard | 47 CFR Part 15C RSS-210, Issue 8, 2010-12 RSS-Gen, Issue 3, 2010-12 ANSI C63.4:2009 |
| Equipment under test (EUT): | |
| Product description | Bluetooth headset |
| Model No. | OTE20 |
| Additional Model(s) | None |
| Brand Name(s) | Jabra |
| Hardware version | 28-03918 |
| Firmware / Software version | 2-10 |
| | FCC-ID: BCE-OTE20 IC: 2386C-OTE20 |
| Test result | Passed |

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: 2014-06-23

Date (s) of performance of tests: 2014-06-23 – 2014-06-25

Compiled by: Matthias Handrik

Tested by (+ signature).....: Matthias Handrik 
 (Responsible for Test)

Approved by (+ signature): Christian Weber 

Date of issue: 2014-07-02

Total number of pages: 129

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 | 2014-07-02 | Initial Release | |

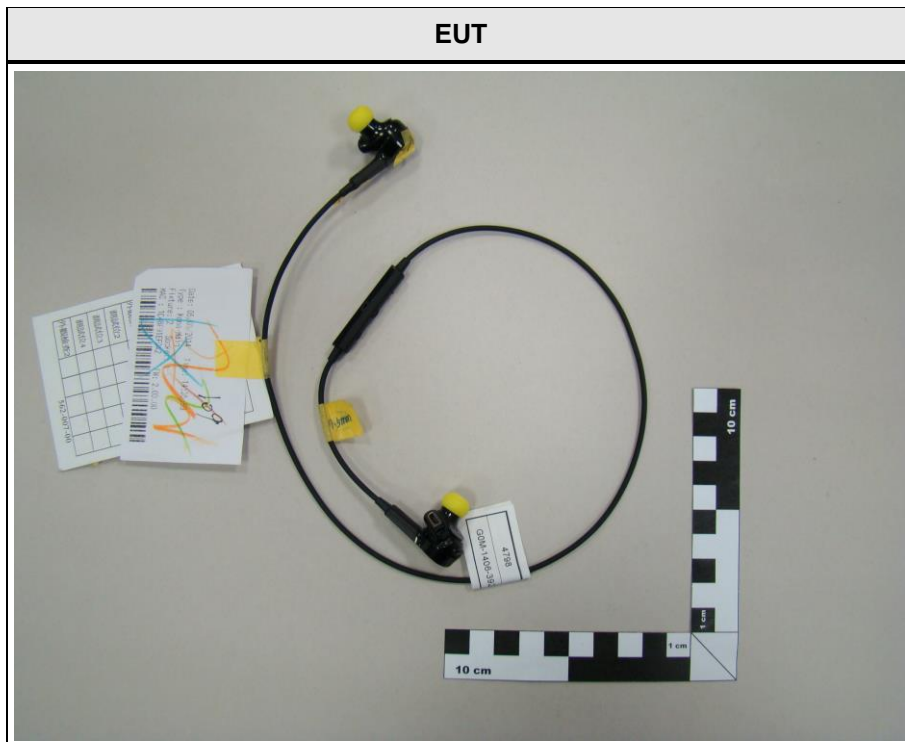
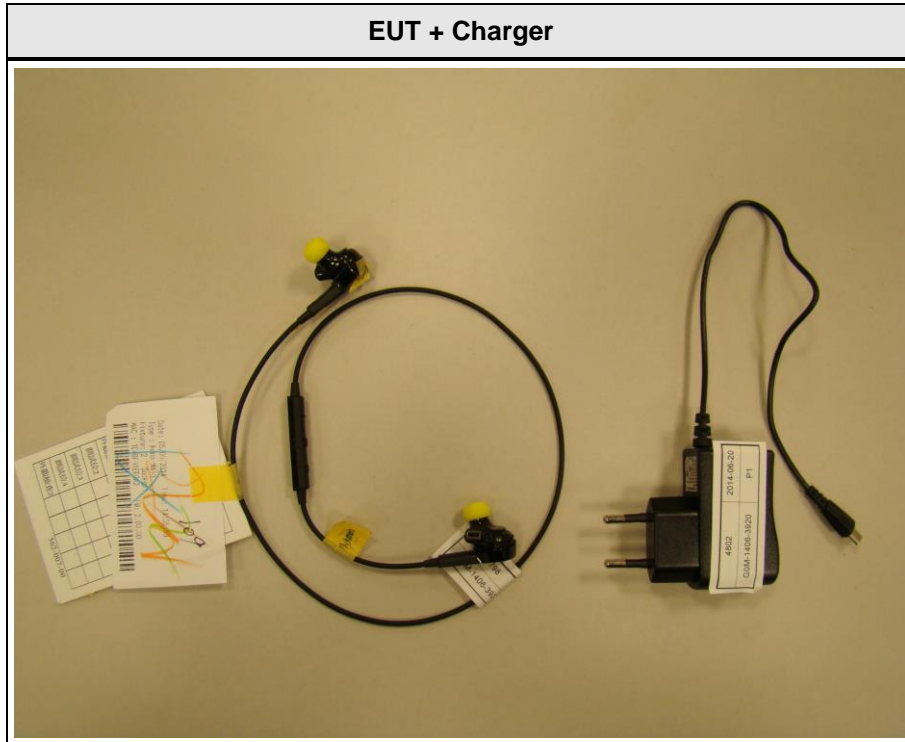
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1 Equipment (Test item) Description

| | | |
|------------------------------------|-------------------------------------------------------------|-------------------------|
| Description | Bluetooth headset | |
| Model | OTE20 | |
| Additional Model(s) | None | |
| Brand Name(s) | Jabra | |
| Serial number | None | |
| Hardware version | 28-03918 | |
| Software / Firmware version | 2-10 | |
| FCC-ID | BCE-OTE20 | |
| IC | 2386C-OTE20 | |
| 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 _{LOW} | 2402 MHz |
| | F _{MID} | 2441 MHz |
| | F _{HIGH} | 2480 MHz |
| Spreading | FHSS | |
| Modulations | GFSK, PI/4-DQPSK, 8-DPSK | |
| Number of channels | 79 hopping channels at all | |
| Channel spacing | 1 MHz | |
| Number of antennas | 1 | |
| Antenna | Type | integrated |
| | Model | - |
| | Manufacturer | GN Netcom |
| | Gain | 3.1 dBi |
| Manufacturer | GN Netcom A/S Lautrupbjerg 7 2750 Ballerup DENMARK | |
| Power supply | V _{NOM} | 3.7 VDC |
| | V _{MIN} | 3.2 VDC |
| | V _{MIN} | 4.2 VDC |
| AC/DC-Adaptor | Model | SSA-5W-05 EU 050060F |
| | Vendor | SIL Switching Adapter |
| | Input | 100-240V ~ 50/60Hz 0.2A |
| | Output | 5.0V DC 800mA |

1.1 Photos – Equipment External



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Storkower Str. 38c, D-15526 Reichenwalde, Germany

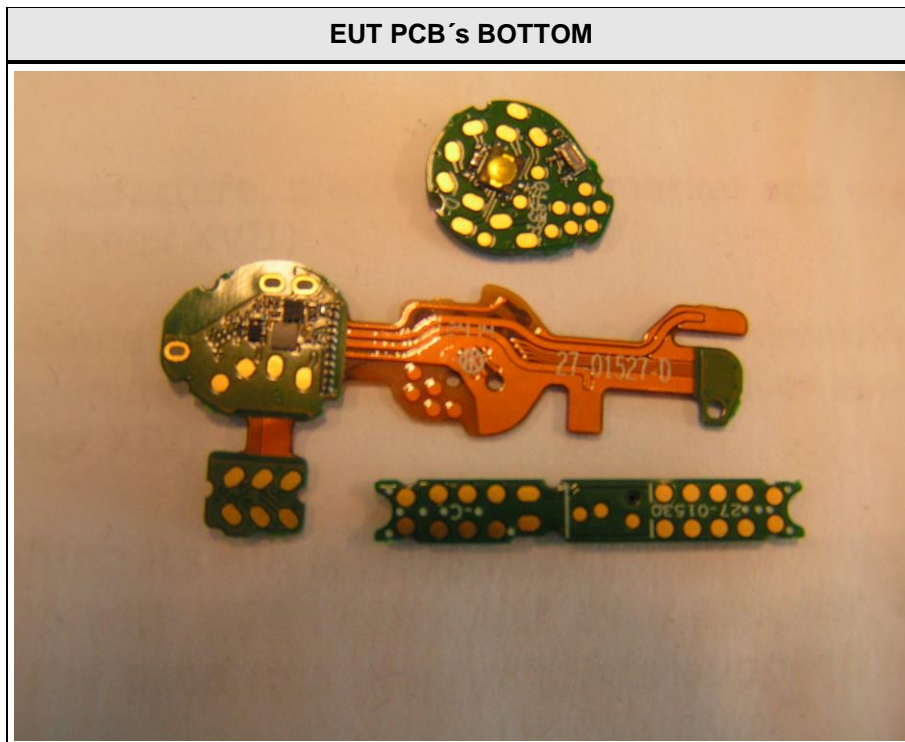
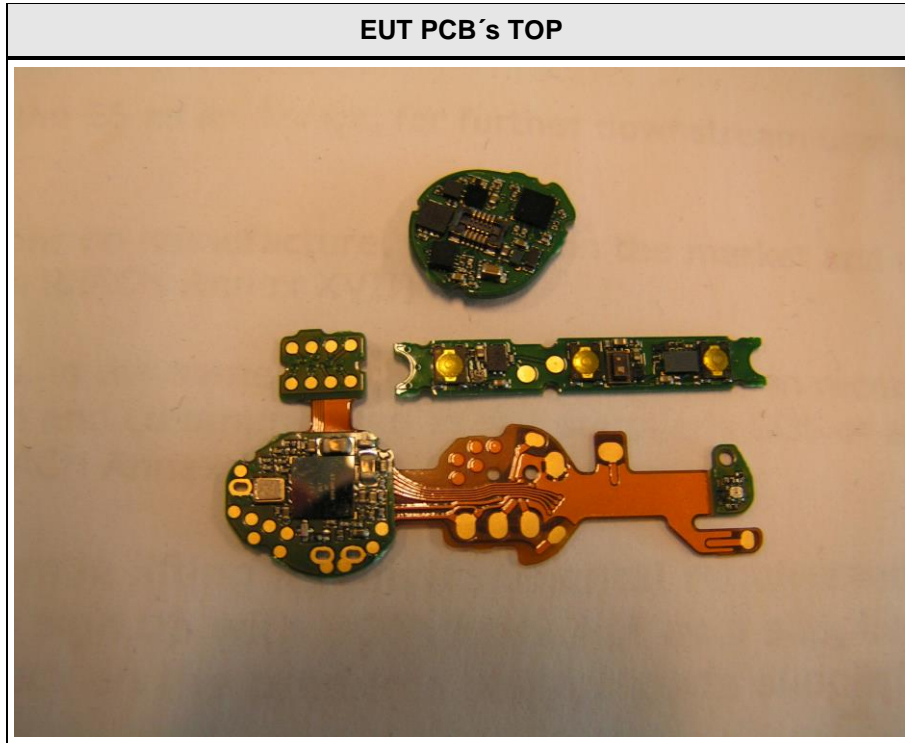
EUT Headset



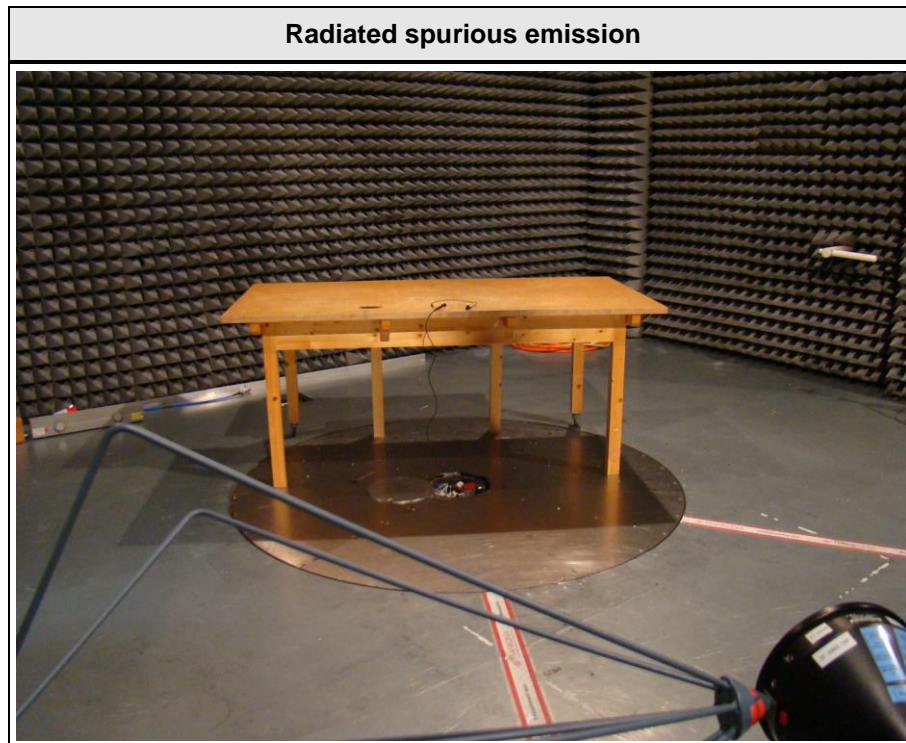
EUT Multi-function button



1.2 Photos – Equipment internal



1.3 Photos – Test setup



1.4 Supporting Equipment Used During Testing

| Product Type* | Device | Manufacturer | Model No. | Comments |
|--------------------------------------------------------------------------------|------------------|-----------------|-----------|----------|
| SIM | Bluetooth tester | Rhode & Schwarz | CBT | |
| AE | Laptop | Samsung | NP-X20I | |
| AE : Auxiliary/Associated Equipment SIM : Simulator (Not Subjected to Test) | | | | |

1.5 Test Modes

| Mode # | Description | |
|-----------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DH5-Sngl | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping stopped (single hopping channel) Modulation = GFSK Packet type = DH5 Data rate = 1 Mbps Duty cycle = 49 % Power level = Maximum |
| 2DH5-Sngl | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping stopped (single hopping channel) Modulation = $\pi/4$ -DQPSK Packet type = 2DH5 Data rate = 2 Mbps Duty cycle = 49 % Power level = Maximum |
| 3DH5-Sngl | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping stopped (single hopping channel) Modulation = 8-DPSK Packet type = 3DH5 Data rate = 3 Mbps Duty cycle = 49 % Power level = Maximum |
| DH5-Hop | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping Modulation = GFSK Packet type = DH5 Data rate = 1 Mbps Duty cycle = 49 % Power level = Maximum |

| | | |
|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2DH5-Hop | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping Modulation = $\pi/4$ -DQPSK Packet type = 2DH5 Data rate = 2 Mbps Duty cycle = 49 % Power level = Maximum |
| 3DH5-Hop | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping Modulation = 8-DPSK Packet type = 3DH5 Data rate = 3 Mbps Duty cycle = 49 % Power level = Maximum |
| Receive | General conditions: | EUT powered by internal battery. |
| | Radio conditions: | Mode = standalone receive Spreading = Hopping |
| AC-Powerline | General conditions: | EUT powered by commercial AC/DC-Adapter |
| | Radio conditions: | Mode = standalone transmit Spreading = Hopping Power level = Maximum |

1.6 Test Equipment Used During Testing

| Measurement Software | | | |
|-----------------------------|------------------|------------|-----------|
| Description | Manufacturer | Name | Version |
| EMC Test Software | Dare Instruments | Radimation | 2014.1.15 |

| 20dB Bandwidth | | | | | |
|-----------------------|--------------|-------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Spectrum analyzer | R&S | FSW43 | EF00896 | 2014-02 | 2015-02 |

| Number of hopping frequencies | | | | | |
|--------------------------------------|--------------|-------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Spectrum analyzer | R&S | FSW43 | EF00896 | 2014-02 | 2015-02 |

| Time of occupancy | | | | | |
|--------------------------|--------------|-------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Spectrum analyzer | R&S | FSW43 | EF00896 | 2014-02 | 2015-02 |

| Maximum peak conducted power | | | | | |
|-------------------------------------|--------------|-------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Spectrum analyzer | R&S | FSW43 | EF00896 | 2014-02 | 2015-02 |

| Band edge compliance | | | | | |
|-----------------------------|--------------|-------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| Spectrum analyzer | R&S | FSW43 | EF00896 | 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 GmbH | AC 1 | EF00062 | - | - |
| Spectrum Analyzer | R&S | FSEK30 | EF00168 | 2014-01 | 2015-01 |
| Biconical Antenna | R&S | HK 116 | EF00012 | 2013-02 | 2016-02 |
| LPD Antenna | R&S | HL 223 | EF00187 | 2014-03 | 2017-03 |
| LPD Antenna | R&S | HL 025 | EF00327 | 2013-02 | 2016-02 |

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| AC powerline conducted emissions | | | | | |
|----------------------------------|--------------|---------|------------|-----------|----------|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due |
| AMN | R&S | ESH2-Z5 | EF00182 | 2012-10 | 2014-10 |
| EMI Test Receiver | R&S | ESCS 30 | EF00295 | 2013-10 | 2014-10 |

1.7 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 dB μ V. 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 dB μ V/m). The FCC limits are given in units of μ V/m. The following formula is used to convert the units of μ V/m to dB μ V/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:

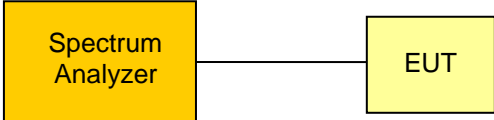
$$\begin{array}{rclcl} \text{Reading} & + & \text{AF} & = & \text{Net Reading} & : & \text{Net reading - FCC limit} & = & \text{Margin} \\ 21.5 \text{ dB}\mu\text{V} & + & 26 \text{ dB} & = & 47.5 \text{ dB}\mu\text{V/m} & : & 47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} & = & -9.5 \text{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

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) IC RSS-210 § A8.1 | 20 dB Bandwidth | Public notice DA 00-705 | PASS | |
| FCC § 15.247(a)(1)(iii) IC RSS-210 § A8.1 | Number of hopping frequencies | Public notice DA 00-705 | PASS | |
| FCC § 15.247(a)(1) IC RSS-210 § A8.1 | Frequency hopping channel separation | Public notice DA 00-705 | PASS | |
| FCC § 15.247(a)(1)(iii) IC RSS-210 § A8.1 | Time of occupancy (Dwell time) | Public notice DA 00-705 | PASS | |
| FCC § 15.247(b)(1) IC RSS-210 § A8.4 | Maximum peak conducted power | Public notice DA 00-705 | PASS | |
| 47 CFR 15.207 RSS-Gen 7.2.4 | AC power line conducted emissions | ANSI C63.4 | PASS | |
| FCC § 15.247(d) IC RSS-210 § A8.5 | Band edge compliance | Public notice DA 00-705 | PASS | |
| FCC § 15.247(d) IC RSS-210 § A8.5 | Conducted spurious emissions | Public notice DA 00-705 | PASS | |
| FCC § 15.247(d) FCC § 15.209 IC RSS-210 A8.5 IC RSS-Gen 4.9 IC RSS-Gen 7.2.5 | Transmitter radiated spurious emissions | Public notice DA 00-705 / ANSI C 63.4 | PASS | |
| IC RSS-Gen 4.10 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

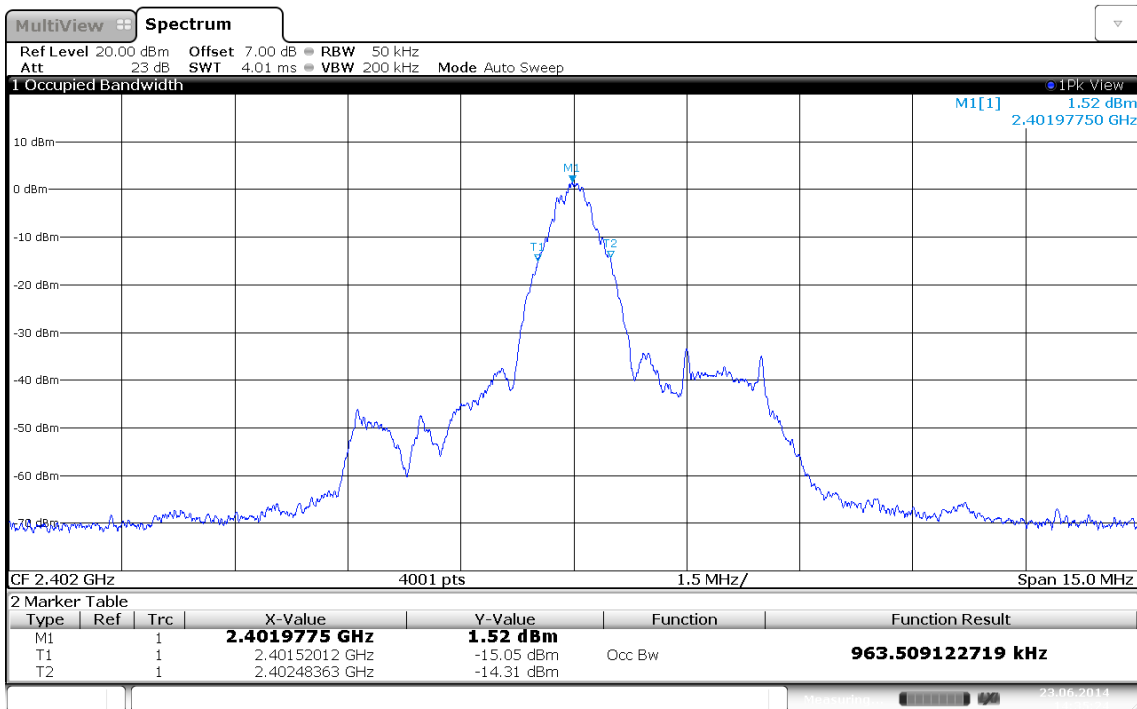
| Occupied Bandwidth acc. IC RSS-Gen | | Verdict: PASS | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|--------------------------|
| Test according to measurement reference | Reference Method | | |
| | RSS-Gen 4.6.1 | | |
| Test frequency range | Tested frequencies | | |
| | $F_{LOW} / F_{MID} / F_{HIGH}$ | | |
| Limits | | | |
| None (Informational only) | | | |
| Test setup | | | |
|  <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] </pre> | | | |
| Test procedure | | | |
| <ol style="list-style-type: none"> EUT set to test mode (Communication tester is used if needed) Span set to at least twice the emission spectrum Resolution bandwidth set to 1 % of span Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function | | | |
| Test results | | | |
| Channel | Frequency [MHz] | Mode | Occupied Bandwidth [kHz] |
| F_{LOW} | 2402 | DH5-Sngl | 963.5 |
| F_{MID} | 2441 | DH5-Sngl | 974.8 |
| F_{HIGH} | 2480 | DH5-Sngl | 963.5 |
| F_{LOW} | 2402 | 3DH5-Sngl | 1222.2 |
| F_{MID} | 2441 | 3DH5-Sngl | 1222.2 |
| F_{HIGH} | 2480 | 3DH5-Sngl | 1218.4 |
| Comments: | | | |

Occupied Bandwidth – DH5-Sngl F_{Low}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2402 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 963.5 kHz

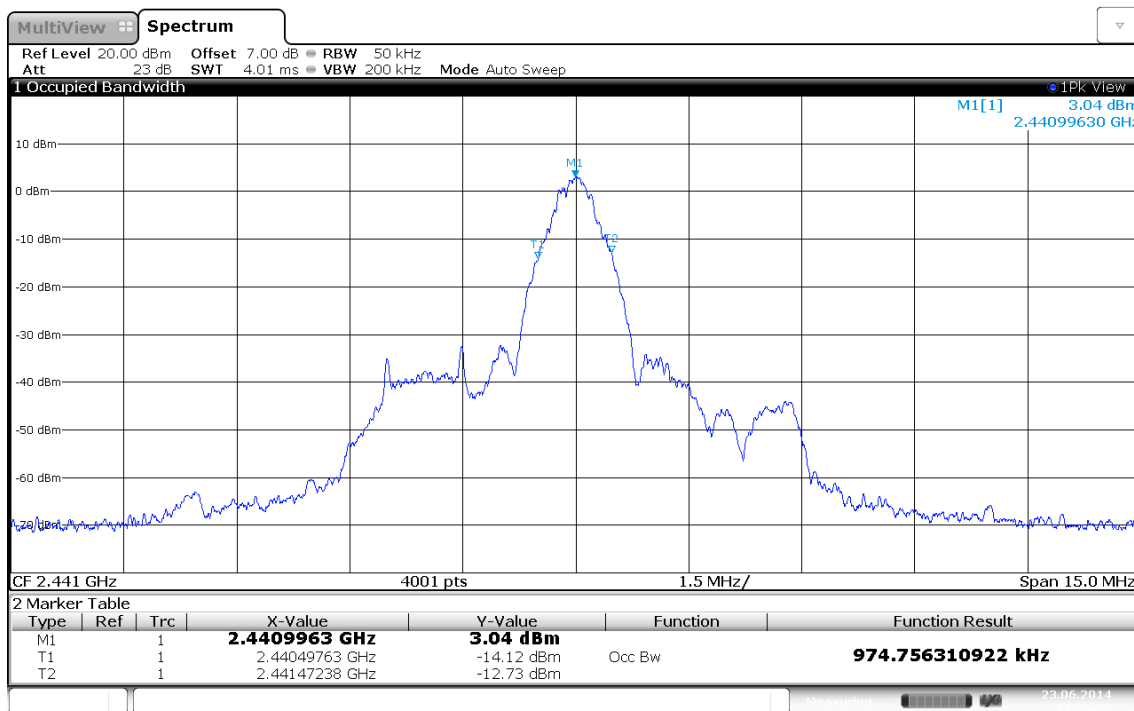


Occupied Bandwidth – DH5-Sngl F_{MID}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2441 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 974.8 kHz

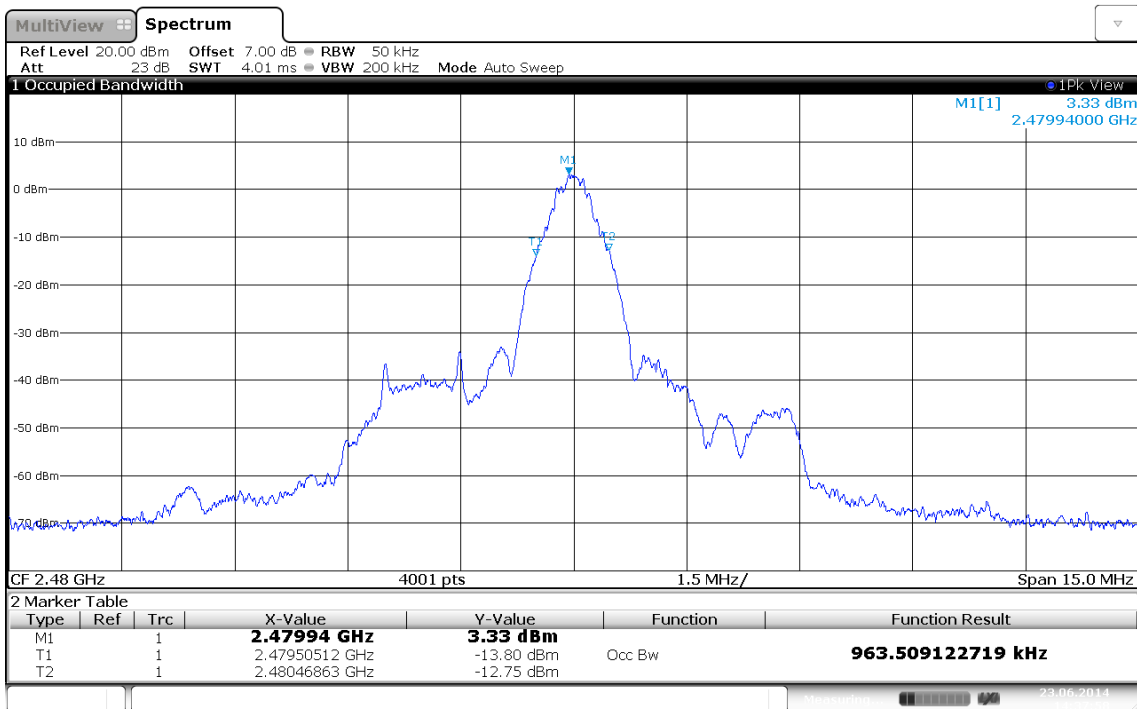


Occupied Bandwidth – DH5-Sngl F_{HIGH}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2480 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 963.5 kHz



Occupied Bandwidth – 3-DH5-Sngl F_{LOW}
Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2402 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 1222.2 kHz

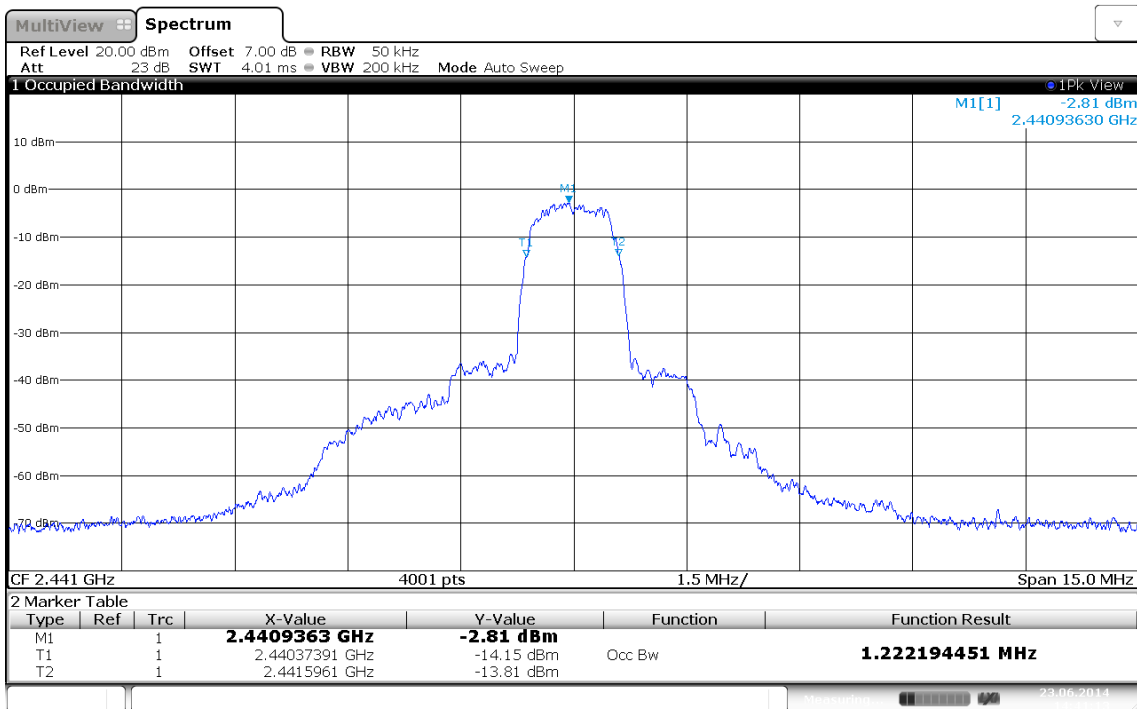


Occupied Bandwidth – 3-DH5-Sngl F_{MID}

Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

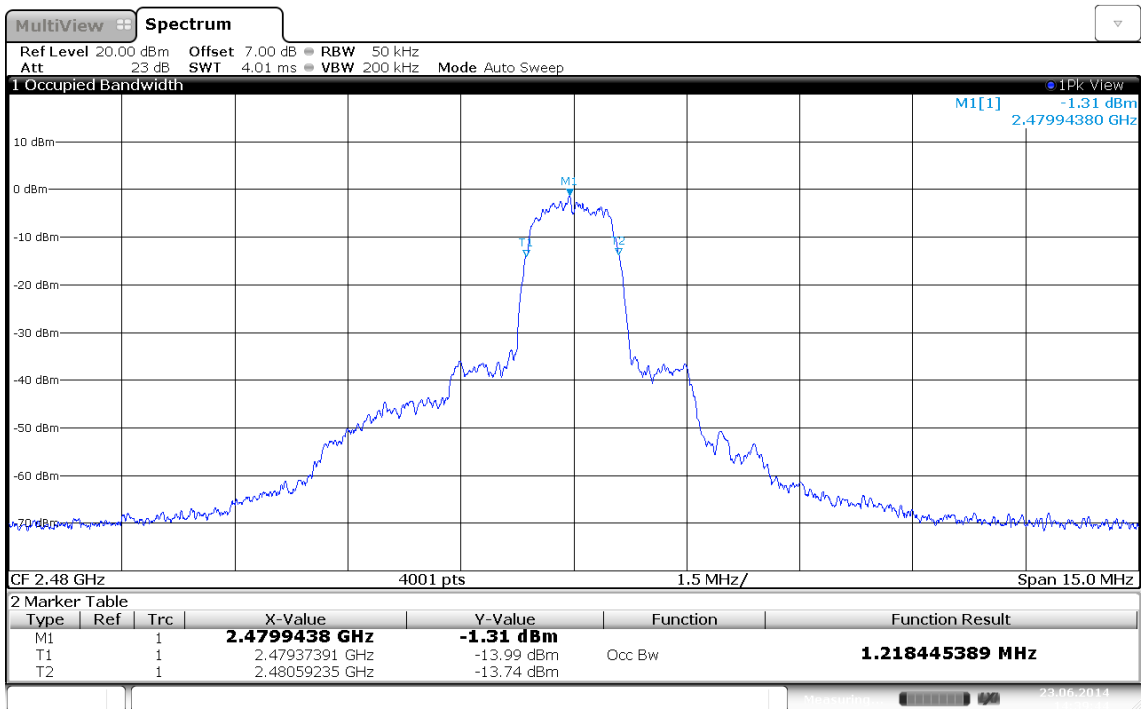
Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2441 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 1222.2 kHz




Occupied Bandwidth – 3-DH5-Sngl F_{HIGH}
Occupied Bandwidth acc. to RSS-Gen

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2480 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: A spectrum analyzer with an integrated 99% power bandwidth function is used
 Note 2: OBW= 1218.4 kHz



3.2 Test Conditions and Results – 20 dB Bandwidth

| 20 dB Bandwidth acc. FCC 15.247 / IC RSS-210 | | | | Verdict: PASS | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------|-----------------------------------------------|---------------|--------|
| EUT requirement rule parts and clause | | Reference | | | |
| | | FCC 15.247(a)(1) / IC RSS-210 A8.1 | | | |
| Test according to measurement reference | | Reference Method | | | |
| | | FCC Public Notice DA 00-705 | | | |
| Test frequency range | | Tested frequencies | | | |
| | | $F_{LOW} / F_{MID} / F_{HIGH}$ | | | |
| 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 | | | | | |
|  <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] </pre> | | | | | |
| Test procedure | | | | | |
| <ol style="list-style-type: none"> EUT set to test mode (Communication tester is used if needed) Span set to at least twice the emission spectrum Detector set to peak and max hold Envelope peak value of emission spectrum is selected Marker on envelope of spectrum is set to level of -20 dB to the left of the peak Marker on envelope of spectrum is set to level of -20 dB to the right of the peak 20dB Bandwidth is determined by marker frequency separation | | | | | |
| Test results | | | | | |
| Channel | Frequency [MHz] | Mode | 20 dB Bandwidth [MHz] | Limit [MHz] | Result |
| F_{LOW} | 2402 | DH5-Sngl | 0.923 | 1.5 | PASS |
| F_{MID} | 2441 | DH5-Sngl | 0.923 | 1.5 | PASS |
| F_{HIGH} | 2480 | DH5-Sngl | 0.923 | 1.5 | PASS |
| F_{LOW} | 2402 | 2DH5-Sngl | 1.3077 | 1.5 | PASS |
| F_{MID} | 2441 | 2DH5-Sngl | 1.3099 | 1.5 | PASS |
| F_{HIGH} | 2480 | 2DH5-Sngl | 1.3077 | 1.5 | PASS |
| F_{LOW} | 2402 | 3DH5-Sngl | 1.2638 | 1.5 | PASS |
| F_{MID} | 2441 | 3DH5-Sngl | 1.2638 | 1.5 | PASS |
| F_{HIGH} | 2480 | 3DH5-Sngl | 1.2638 | 1.5 | PASS |
| Comments: | | | | | |

Test Report No.: G0M-1406-3920-TFC247BT-V01

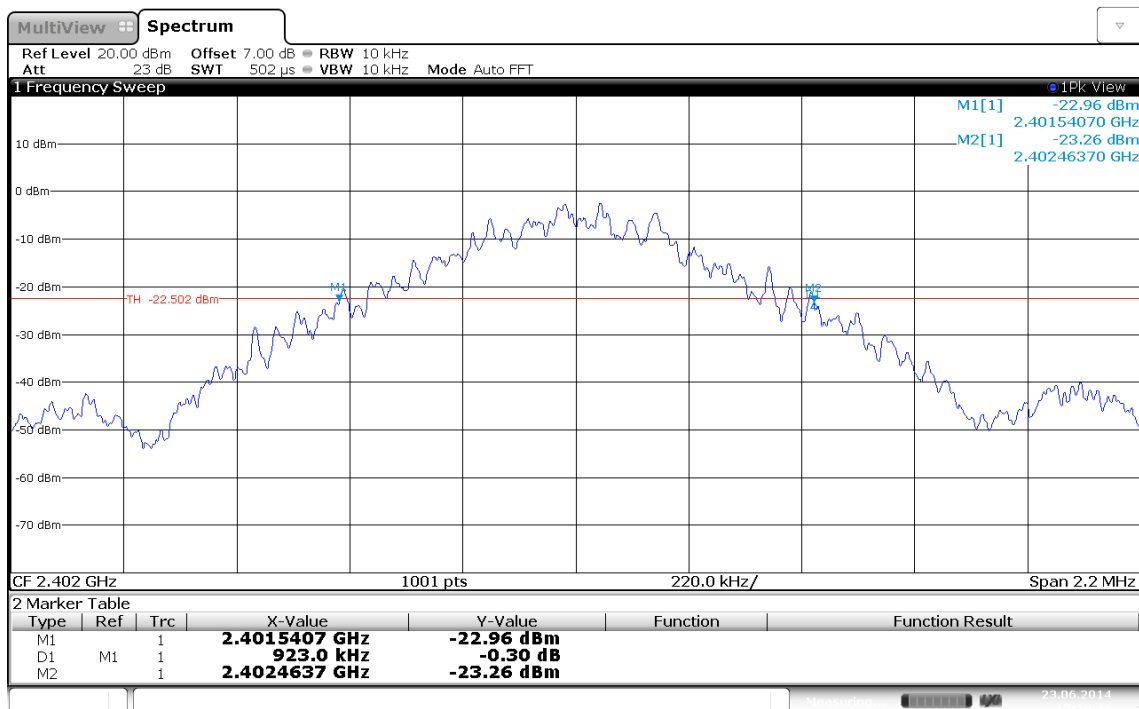
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

20 dB Bandwidth – DH5-Sngl F_{LOW}

20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:

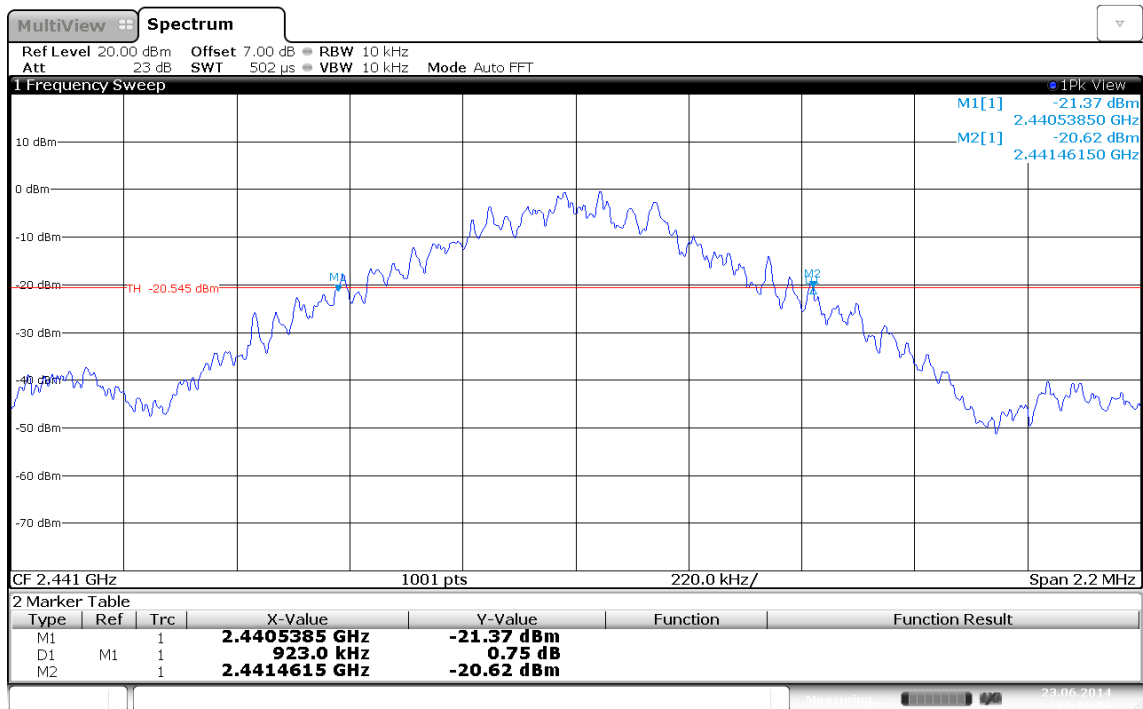


20 dB bandwidth: 923 KHz
 Date: 23.JUN.2014 13:16:46

20 dB Bandwidth – DH5-Sngl F_{MID}
20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2441MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:



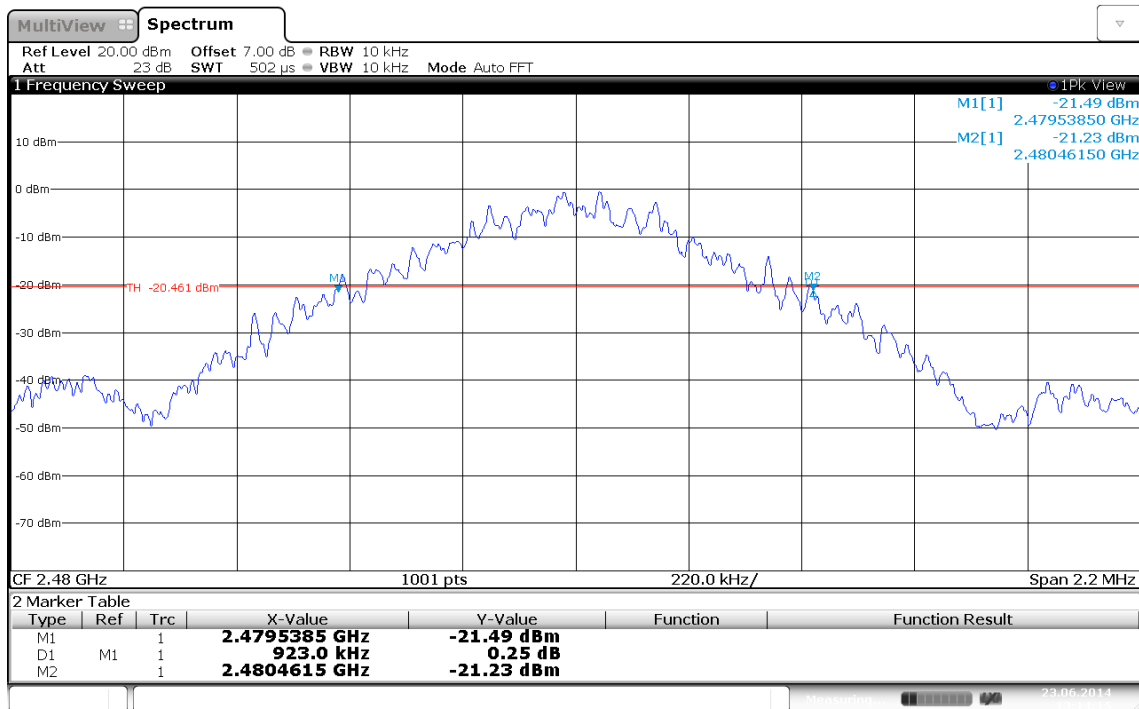
20 dB bandwidth: 923 KHz
 Date: 23 JUN 2014 13:15:35

20 dB Bandwidth – DH5-Sngl F_{HIGH}

20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:



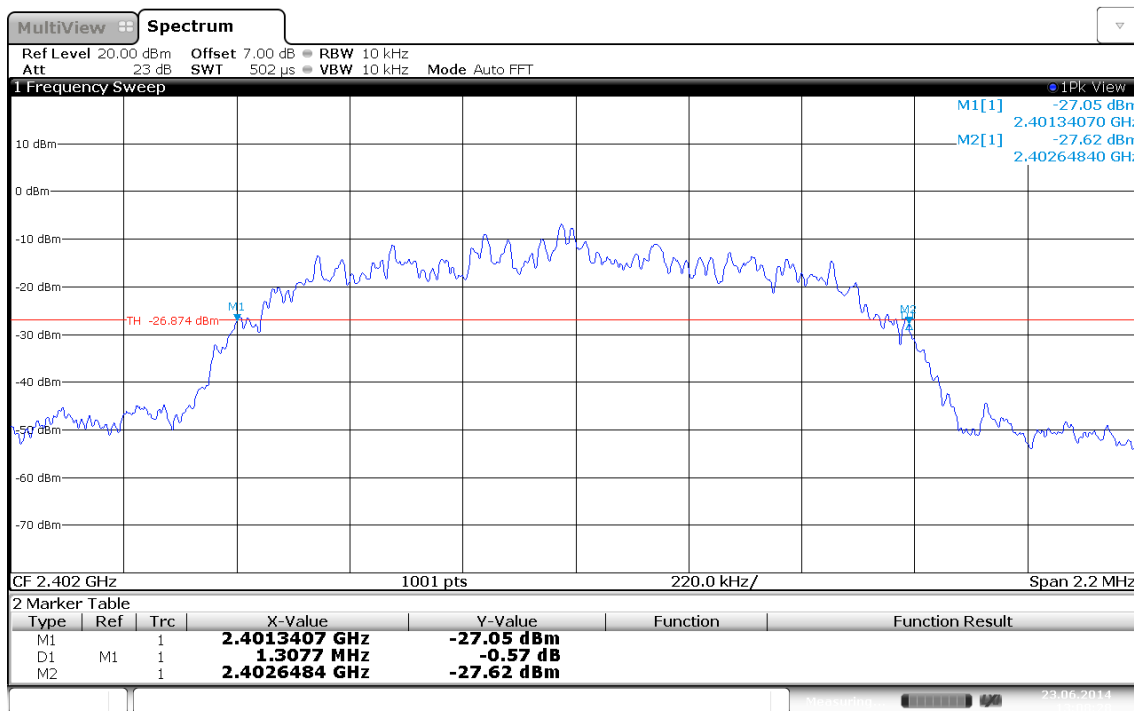
20 dB bandwidth: 923 KHz
 Date: 23 JUN 2014 13:14:16

20 dB Bandwidth – 2-DH5-Sngl F_{Low}

20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: T_{nom} / V_{nom}
 Mode: T_x, BT π/4-DQPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:



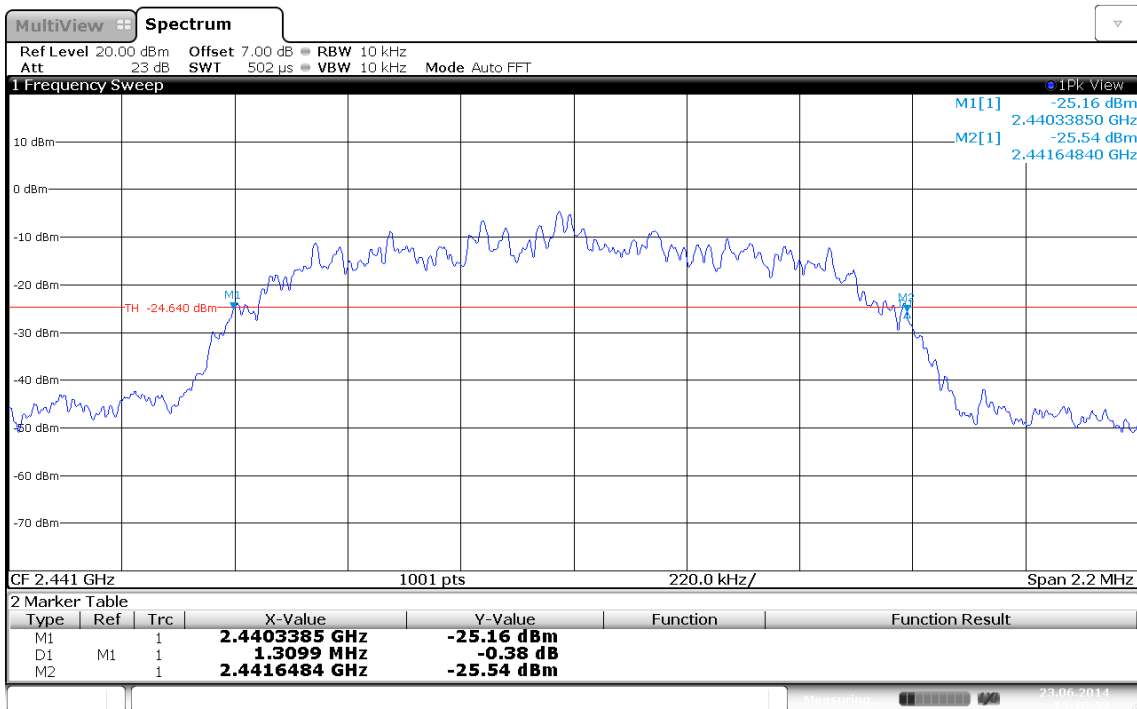
20 dB bandwidth: 1307.7 KHz
 Date: 23 JUN 2014 13:08:28

20 dB Bandwidth – 2-DH5-Sngl F_{MID}

20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT π/4-DQPSK, 2441MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:

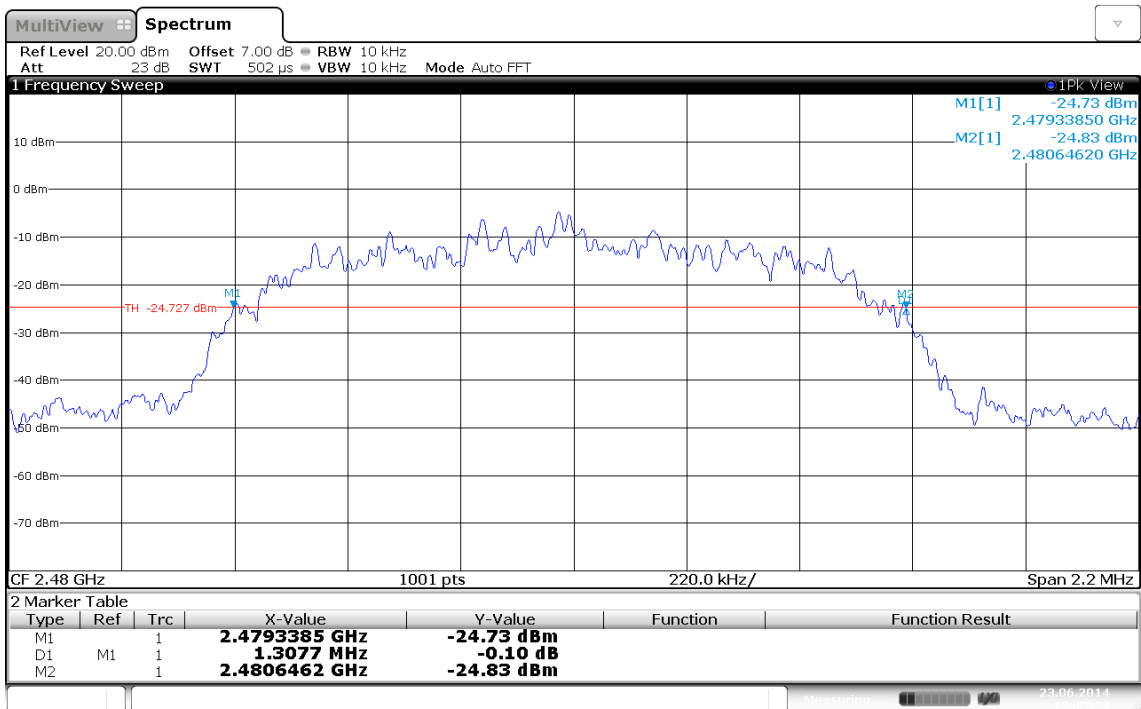


20 dB bandwidth: 1309.9 KHz
 Date: 23 JUN 2014 13:10:52

20 dB Bandwidth – 2-DH5-Sngl F_{HIGH}
20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT π/4-DQPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:

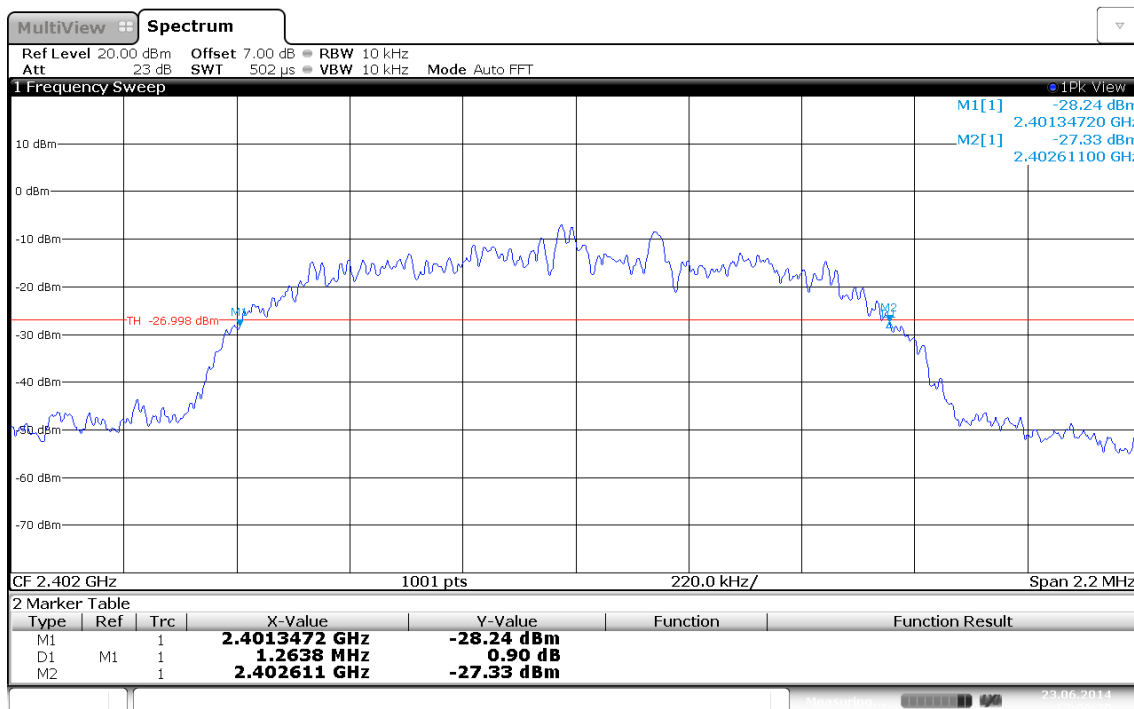


20 dB Bandwidth – 3-DH5-Sngl F_{Low}

20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:

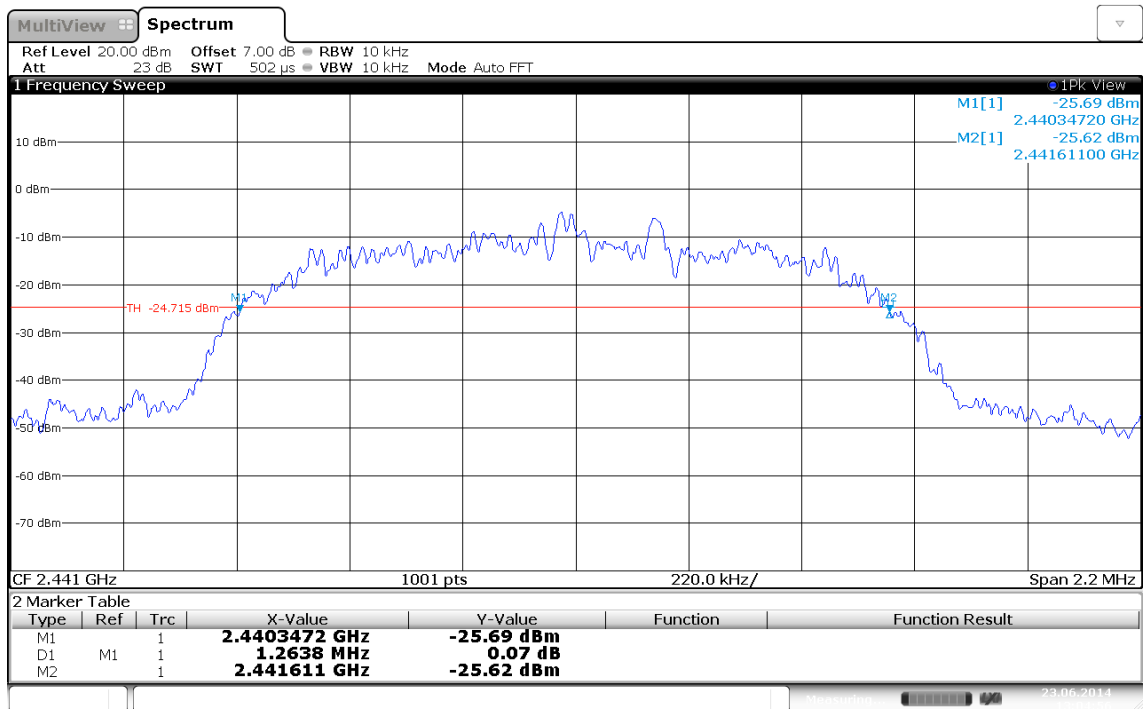


20 dB bandwidth: 1263.8 KHz
 Date: 23 JUN 2014 13:06:20

20 dB Bandwidth – 3-DH5-Sngl F_{MID}
20 dB Bandwidth acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2441MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:

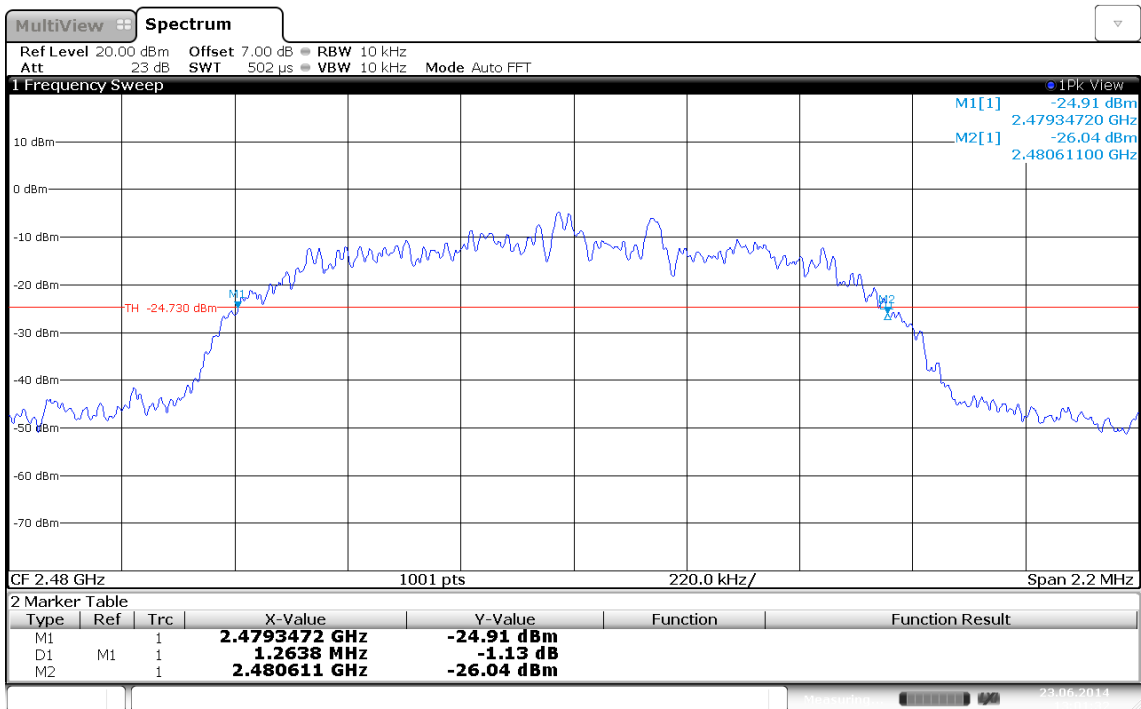


20 dB bandwidth: 1263.8 KHz
 Date: 23 JUN 2014 13:04:56

20 dB Bandwidth – 3-DH5-Sngl F_{HIGH}
20 dB Bandwidth acc. to FCC 15.247

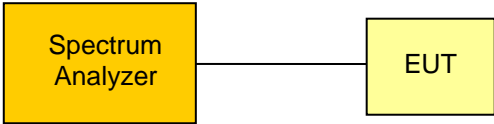
Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2:



20 dB bandwidth: 1263.8 KHz
 Date: 23 JUN 2014 13:01:32

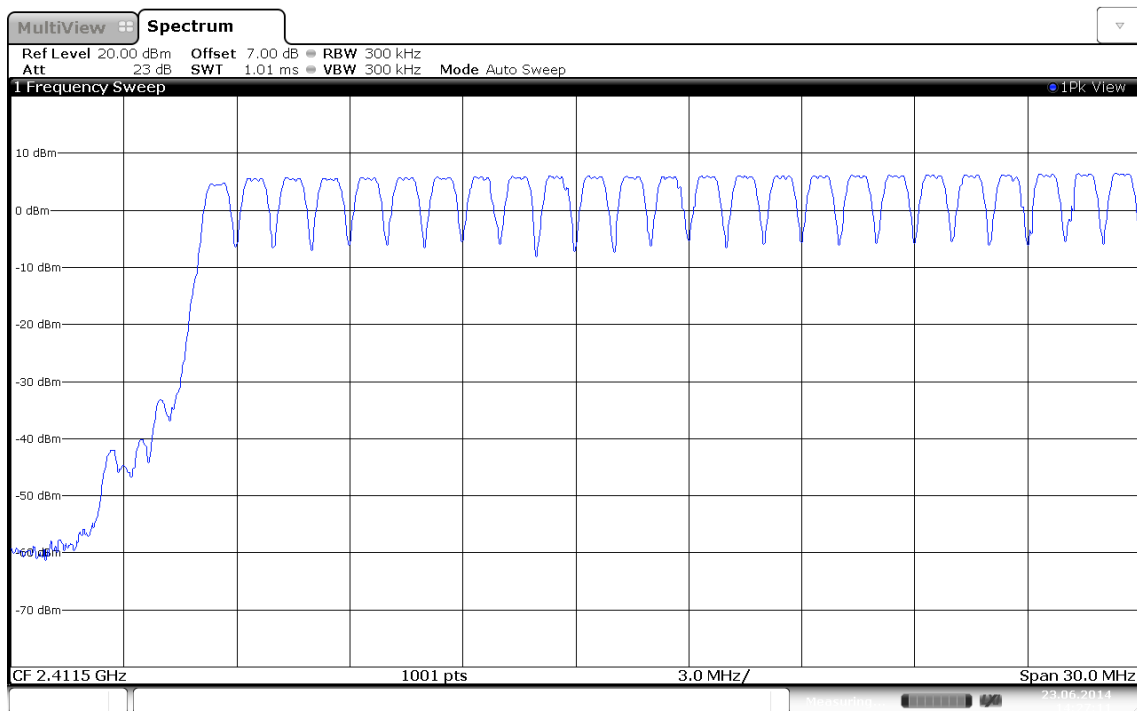
3.3 Test Conditions and Results – Number of hopping frequencies

| Number of hopping frequencies acc. FCC 15.247 / IC RSS-210 | | Verdict: PASS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------|
| EUT requirement 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 | |
| | $F_{LOW} - F_{HIGH}$ | |
| 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 | | |
|  | | |
| Test procedure | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Span set to measurement frequency range 3. Detector set to peak and max hold 4. Resolution bandwidth is set small enough to resolve hopping channel emission spectra 5. The number of peaks is counted to determine number of hopping frequencies | | |
| Test results | | |
| Number of hopping frequencies | Limit | Result |
| 78 | ≥ 15 | PASS |
| Comments: | | |

Number of hopping frequencies - Range A
Number of hopping frequencies acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2: Hopping mode

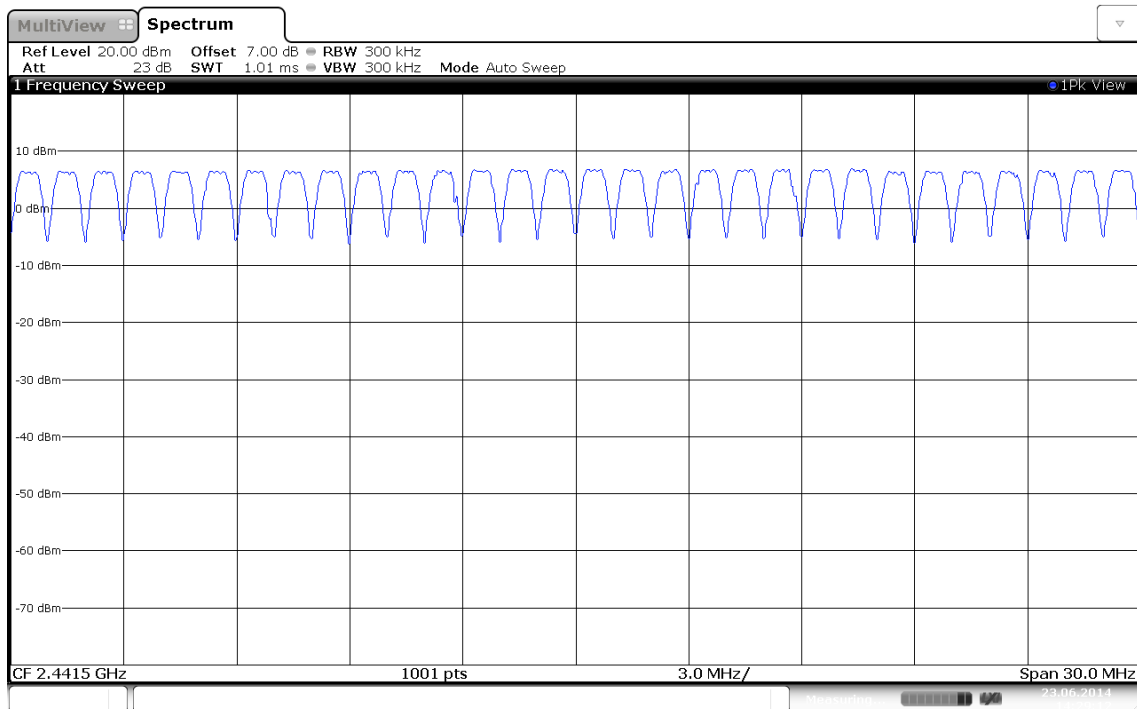


Number of hopping frequencies
 Date: 23 JUN 2014 14:27:10

Number of hopping frequencies - Range B
Number of hopping frequencies acc. to FCC 15.247

Project Number: G0M-1406-3920

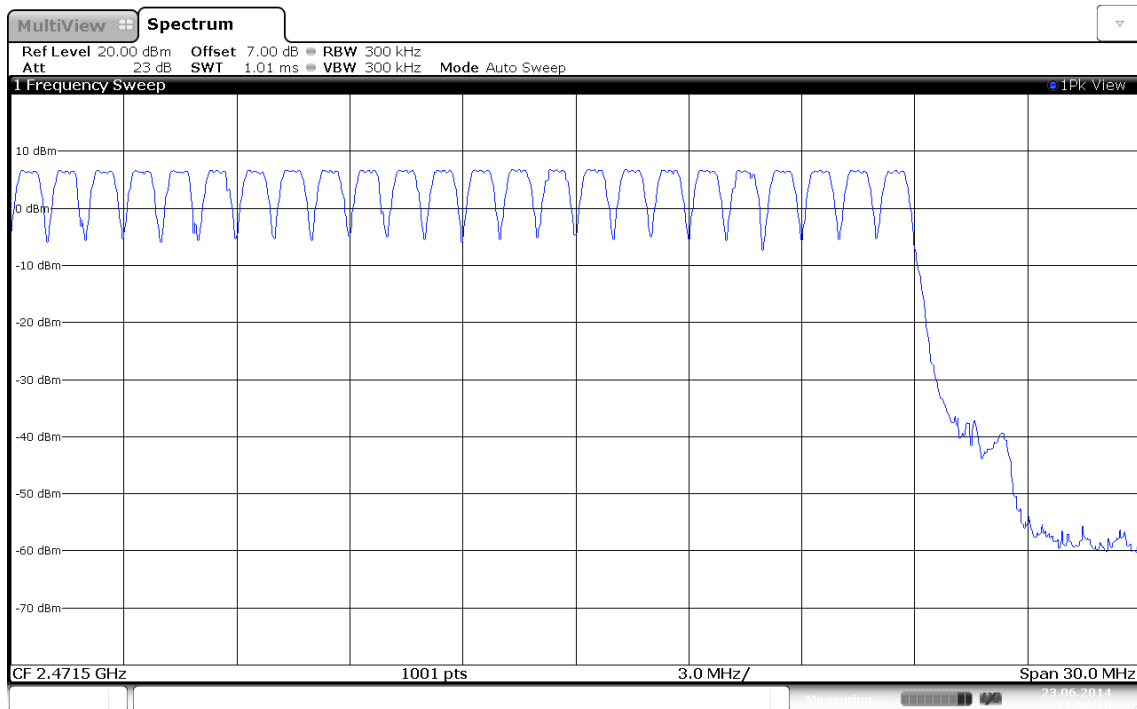
| | |
|------------------|-------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Jabra |
| Model: | OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Matthias Handrik |
| Test Conditions: | Tnom / Vnom |
| Mode: | Tx, BT GFSK, modulated |
| Test Date: | 2014-06-23 |
| Verdict: | PASS |
| Note 1: | FCC part 15 section 247 (a) |
| Note 2: | Hopping mode |


 Number of hopping frequencies
 Date: 23 JUN 2014 14:29:12


Number of hopping frequencies - Range C
Number of hopping frequencies acc. to FCC 15.247

Project Number: G0M-1406-3920

| | |
|------------------|-------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Jabra |
| Model: | OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Matthias Handrik |
| Test Conditions: | Tnom / Vnom |
| Mode: | Tx, BT GFSK, modulated |
| Test Date: | 2014-06-23 |
| Verdict: | PASS |
| Note 1: | FCC part 15 section 247 (a) |
| Note 2: | Hopping mode |


 Number of hopping frequencies
 Date: 23 JUN 2014 14:30:48

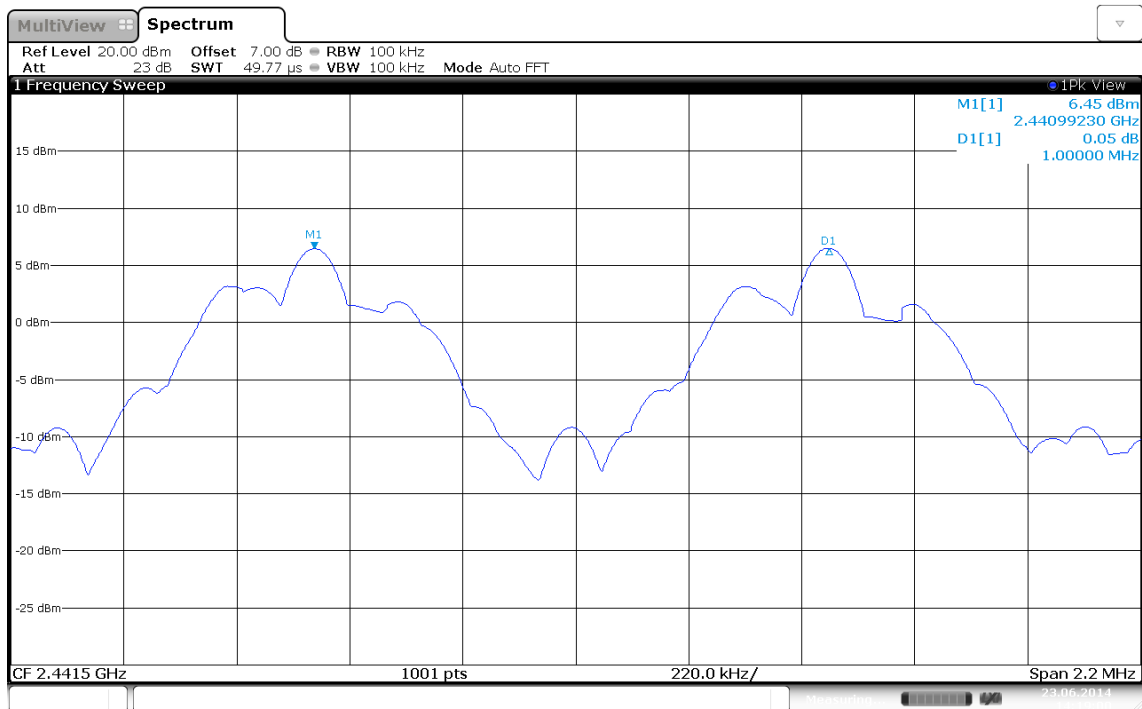
3.4 Test Conditions and Results – Frequency hopping channel separation

| Frequency hopping channel separation acc. FCC 15.247 / IC RSS-210 | | Verdict: PASS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|
| EUT requirement rule parts and clause | Reference | |
| | FCC 15.247(a)(1) / IC RSS-210 A8.1 | |
| Test according to 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 $\frac{2}{3}$ 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 | | |
|  | | |
| Test procedure | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Span set to measurement frequency range 3. Detector set to peak and max hold 4. Resolution bandwidth is set small enough to resolve hopping channel emission spectra 5. The two adjacent channel peaks are marked 6. Channel separation is determined from frequency separation of markers | | |
| Test results | | |
| Channel separation [kHz] | Limit [kHz] | Result |
| 1000 | $\geq \frac{2}{3} \cdot 923 = 615.3$ | PASS |
| Comments: | | |

Frequency hopping channel separation
Carrier frequency separation acc. to FCC 15.247

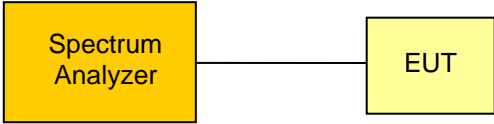
Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2441/2442 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)(1)
 Note 2: Hopping mode



Limit: > two-thirds of the 20 dB bandwidth ; Result: Pass
 Date: 23 JUN 2014 14:19:00

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

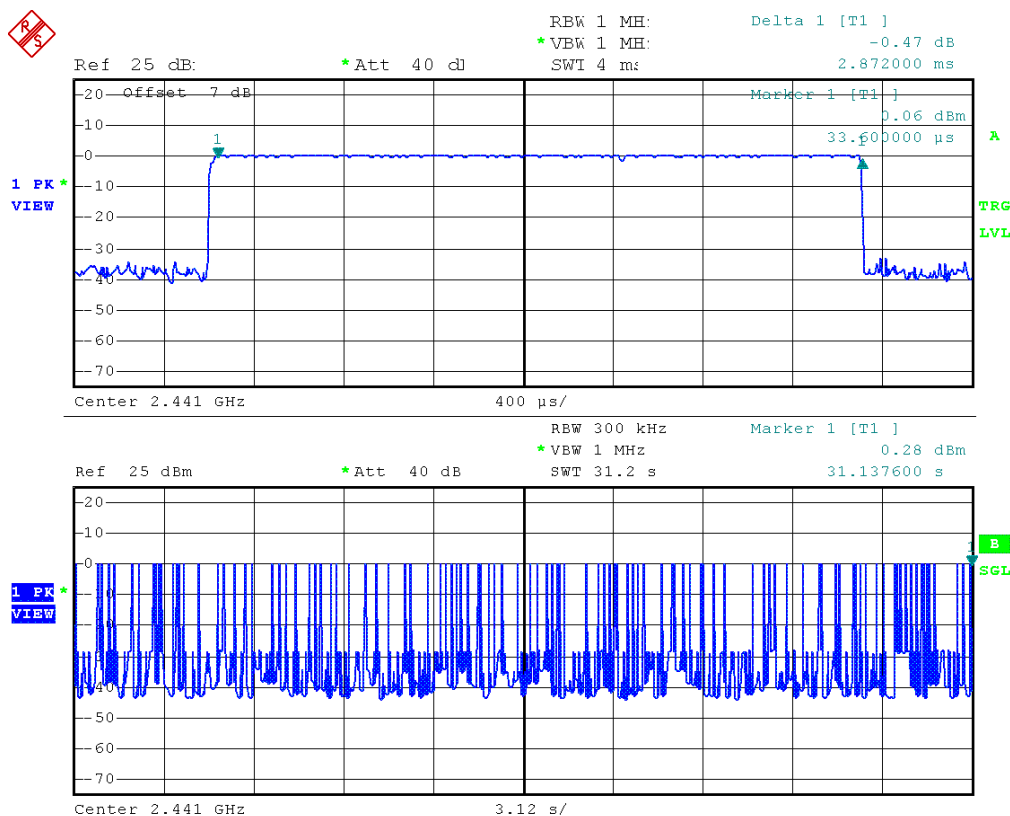
| Time of occupancy (Dwell time) acc. FCC 15.247 / IC RSS-210 | | | | Verdict: PASS | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|-----------------------|---------------|--------|
| 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 | | | | | |
|  <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] </pre> | | | | | |
| Test procedure | | | | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Center frequency set to test channel center frequency 3. Span set to zero span and detector to peak and max hold 4. Resolution bandwidth is set to 100kHz and sweep time to observation period 5. Time of occupancy determined from number of peaks multiplied by single hop dwell time | | | | | |
| Test results | | | | | |
| Observation period [s] | No. of hops | Dwell time/hop [s] | Time of occupancy [s] | Limit [s] | Result |
| 31.2 | 95 | 0.02872 | 0.27284 | ≤ 0.4 | PASS |
| Comments: | | | | | |

Time of occupancy

Time of occupancy acc. to FCC part 15.247

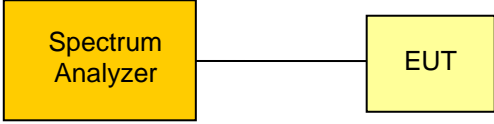
Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2441 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (a)
 Note 2: 95 events * 2.872 ms result: 272.84 ms



Comment: Burst length=2.872 ms
 Date: 23.JUN.2014 14:47:17

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 rule parts and clause | Reference | |
| | FCC 15.247(b)(1) / IC RSS-210 A8.4 | |
| Test according to measurement reference | Reference Method | |
| | FCC Public Notice DA 00-705 | |
| Test frequency range | Tested frequencies | |
| | $F_{LOW} / F_{MID} / F_{HIGH}$ | |
| Measurement mode | Peak | |
| Maximum antenna gain | 5 dBi \Rightarrow Limit correction = 0 dB | |
| Limits | | |
| Limit | Condition | |
| 1 W (30 dBm) | Number of hopping channels \geq 75 | |
| 0.125 W (21 dBm) | 75 > Number of hopping channels \geq 15 | |
| <p>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.</p> | | |
| Test setup | | |
|  <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] </pre> | | |
| Test procedure | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Center frequency set to test channel center frequency 3. Span set to twice the 20 dB bandwidth and detector to peak and max hold 4. Resolution bandwidth is set to 3 MHz 5. Peak conducted power is determined from peak of spectrum envelope | | |

| Test results | | | | | | | | |
|-------------------|-----------------|---------|-----------|------------------|----------------|-------------|-------------|--------|
| Channel | Frequency [MHz] | Voltage | Mode | Peak power [dbm] | Peak power [W] | Limit [dBm] | Margin [dB] | Result |
| F _{LOW} | 2402 | 3.7 VDC | DH5-Sngl | 4.73 | 0.003 | 30 | -25.27 | PASS |
| F _{MID} | 2441 | 3.7 VDC | DH5-Sngl | 6.73 | 0.005 | 30 | -23.27 | PASS |
| F _{HIGH} | 2480 | 3.7 VDC | DH5-Sngl | 6.6 | 0.005 | 30 | -23.40 | PASS |
| F _{LOW} | 2402 | 3.7 VDC | 2DH5-Sngl | 2.53 | 0.002 | 30 | -27.47 | PASS |
| F _{MID} | 2441 | 3.7 VDC | 2DH5-Sngl | 4.81 | 0.003 | 30 | -25.19 | PASS |
| F _{HIGH} | 2480 | 3.7 VDC | 2DH5-Sngl | 4.76 | 0.003 | 30 | -25.24 | PASS |
| F _{LOW} | 2402 | 3.7 VDC | 3DH5-Sngl | 2.95 | 0.002 | 30 | -27.05 | PASS |
| F _{MID} | 2441 | 3.7 VDC | 3DH5-Sngl | 5.23 | 0.003 | 30 | -24.77 | PASS |
| F _{HIGH} | 2480 | 3.7 VDC | 3DH5-Sngl | 5.28 | 0.003 | 30 | -24.72 | PASS |
| Comments: | | | | | | | | |

3.7 Test Conditions and Results – AC power line conducted emissions

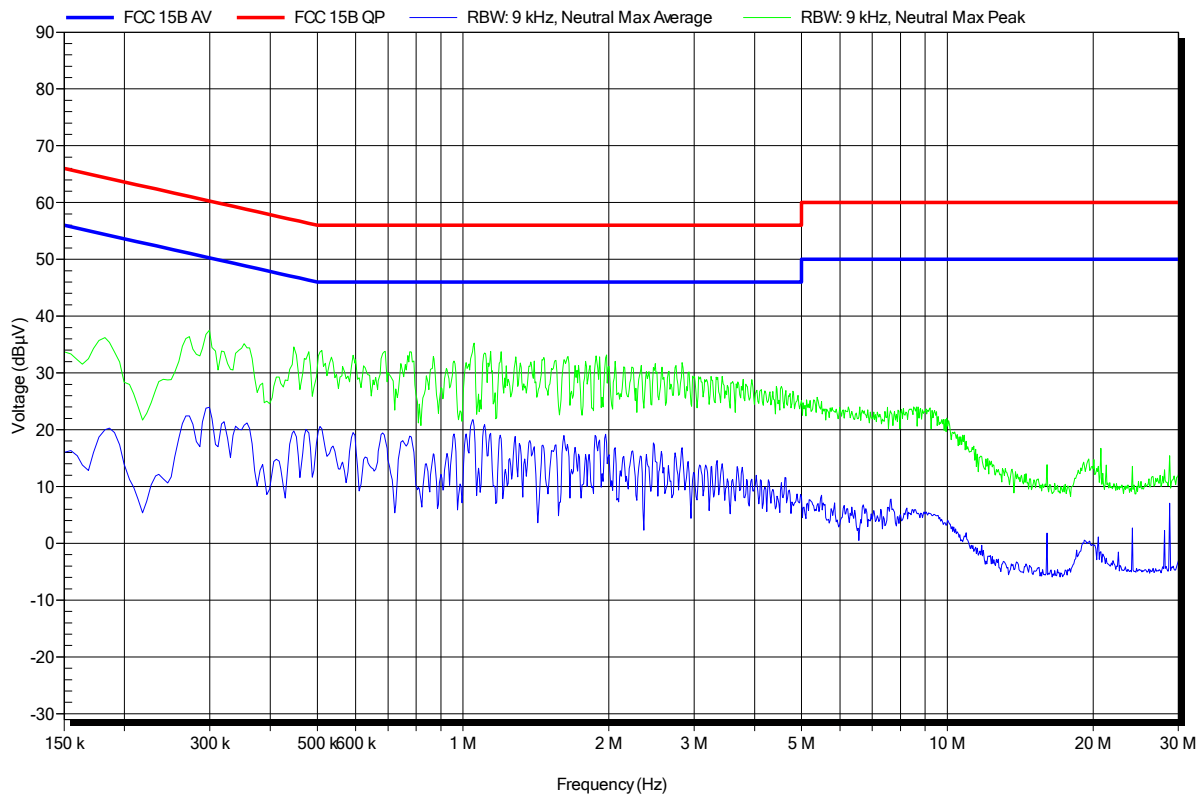
| Power line conducted emissions acc. FCC 47 CFR 15.207 / IC RSS-Gen | | Verdict: PASS | | |
|------------------------------------------------------------------------------|-------------------------|----------------------|----------------------|--------|
| Test according referenced standards | Reference Method | | | |
| | ANSI C63.4 | | | |
| Fully configured sample scanned over the following frequency range | Frequency range | | | |
| | 0.15 MHz to 30 MHz | | | |
| Points of Application | Application Interface | | | |
| AC Mains | LISN | | | |
| EUT test mode | AC-Powerline | | | |
| Limits and results | | | | |
| Frequency [MHz] | Quasi-Peak [dB μ V] | Result | Average [dB μ V] | Result |
| 0.15 to 5 | 66 to 56* | PASS | 56 to 46* | PASS |
| 0.5 to 5 | 56 | PASS | 46 | PASS |
| 5 to 30 | 60 | PASS | 50 | PASS |
| Comments: * Limit decreases linearly with the logarithm of the frequency. | | | | |

Conducted Emissions
EMI voltage test in the ac-mains according to FCC 15B

Project number: G0M-1406-3920

Manufacturer: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 N
 Mode: charging
 Test Date: 2014-06-25
 Note:

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Test Report No.: G0M-1406-3920-TFC247BT-V01

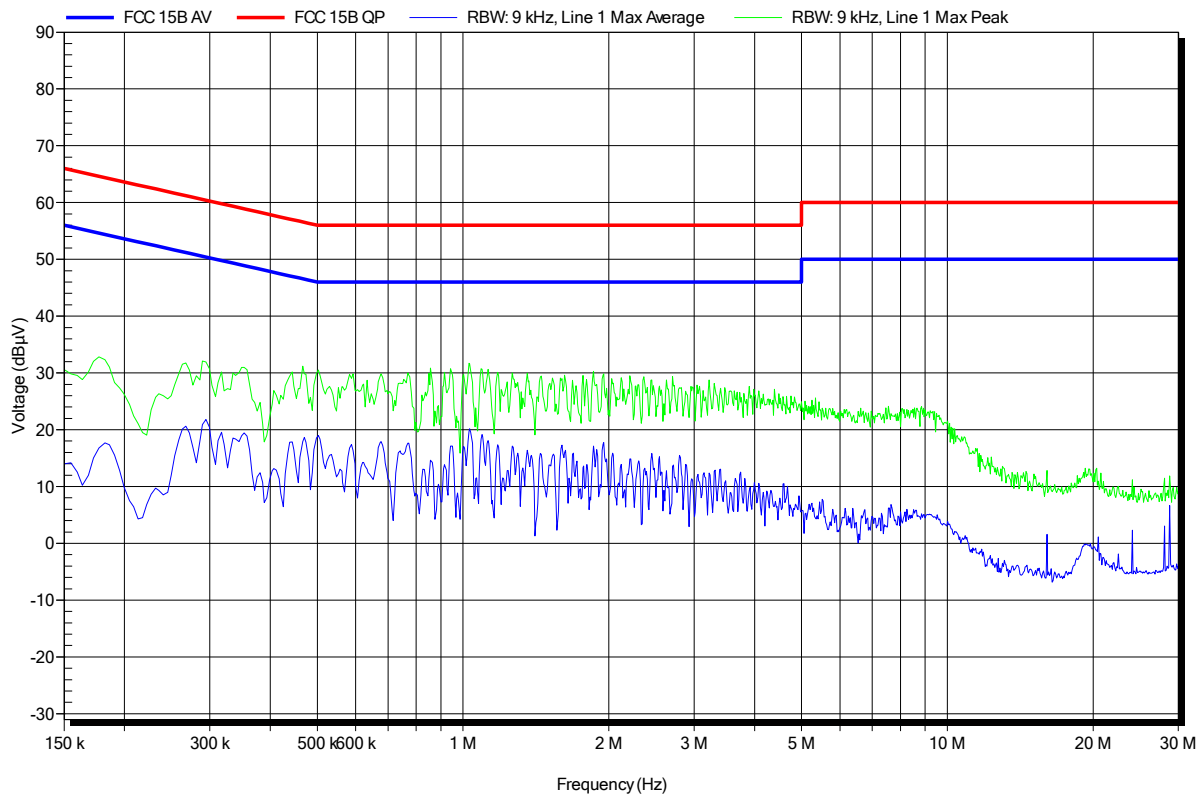
 Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Conducted Emissions
EMI voltage test in the ac-mains according to FCC 15B

Project number: G0M-1406-3920

Manufacturer: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Unom: 120 V AC (AC/DC adaptor)
 LISN: ESH2-Z5 L
 Mode: charging
 Test Date: 2014-06-25
 Note:

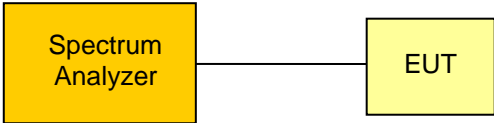
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Test Report No.: G0M-1406-3920-TFC247BT-V01

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

3.8 Test Conditions and Results – Band edge compliance

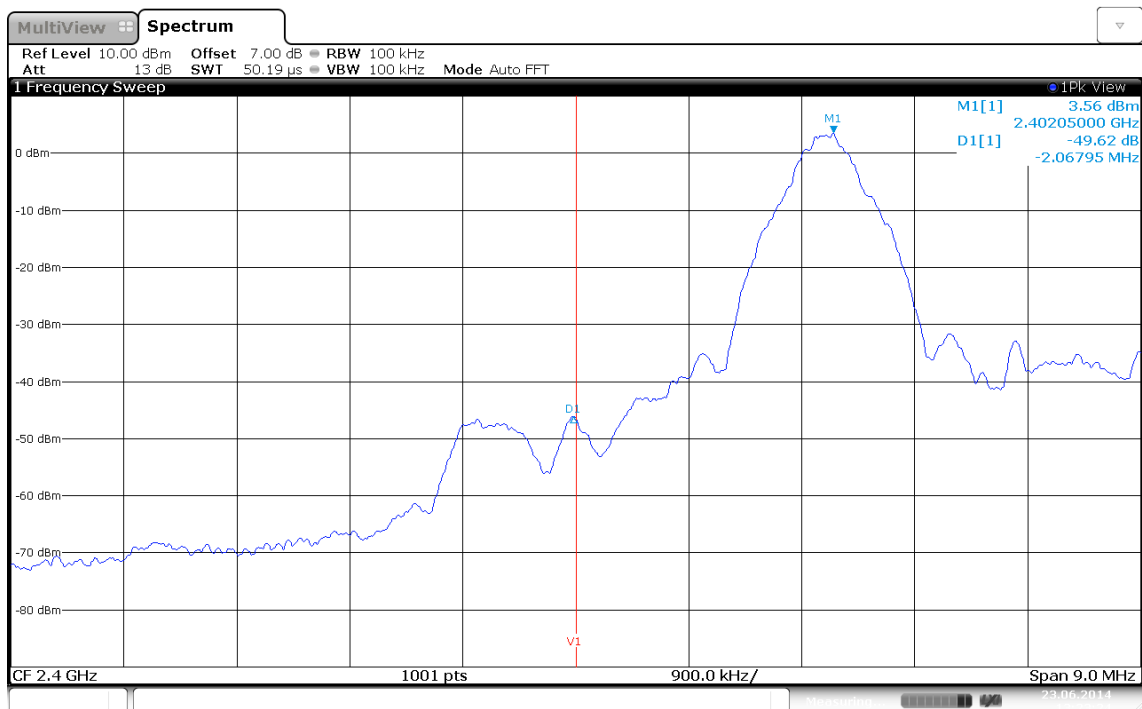
| Band-edge compliance acc. FCC 15.247 / IC RSS-210 | | | | Verdict: PASS | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------|----------------------------------------|---------------|-------------|--------|
| EUT requirement rule parts and clause | Reference | | | | | |
| | FCC 15.247(d) / IC RSS-210 A8.5 | | | | | |
| Test according to measurement reference | Reference Method | | | | | |
| | FCC Public Notice DA 00-705 | | | | | |
| Test frequency range | Tested frequencies | | | | | |
| | F_{LOW} / F_{HIGH} | | | | | |
| 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 | | | | | | |
|  <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] </pre> | | | | | | |
| Test procedure | | | | | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Span set around lower band edge and detector is set to peak and max hold 3. Resolution bandwidth is set to 100 kHz 4. Markers are set to peak emission levels within frequency band and outside frequency band 5. Band edge attenuation is determined from level difference | | | | | | |
| Test results | | | | | | |
| Channel | Frequency [MHz] | Mode | Level [dBc] | Limit [dBc] | Margin [dB] | Result |
| F_{LOW} | 2402 | DH5-Sngl | -49.62 | -20 | -29.62 | PASS |
| F_{HIGH} | 2480 | DH5-Sngl | -66.65 | -20 | -46.65 | PASS |
| F_{LOW} | 2402 | DH5-Hop | -49.2 | -20 | -29.20 | PASS |
| F_{HIGH} | 2480 | DH5-Hop | -65.05 | -20 | -45.05 | PASS |
| F_{LOW} | 2402 | 2DH5-Sngl | -42.84 | -20 | -22.84 | PASS |
| F_{HIGH} | 2480 | 2DH5-Sngl | -62.93 | -20 | -42.93 | PASS |
| F_{LOW} | 2402 | 2DH5-Hop | -44.96 | -20 | -24.96 | PASS |
| F_{HIGH} | 2480 | 2DH5-Hop | -63.60 | -20 | -43.60 | PASS |

| | | | | | | |
|-------------------|------|-----------|--------|-----|--------|------|
| F _{LOW} | 2402 | 3DH5-Sngl | -40.87 | -20 | -20.87 | PASS |
| F _{HIGH} | 2480 | 3DH5-Sngl | -63.03 | -20 | -43.03 | PASS |
| F _{LOW} | 2402 | 3DH5-Hop | -44.63 | -20 | -24.63 | PASS |
| F _{HIGH} | 2480 | 3DH5-Hop | -62.66 | -20 | -42.66 | PASS |
| Comments: | | | | | | |

Band-edge compliance – DH5-Sngl F_{Low}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode



Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:23:23

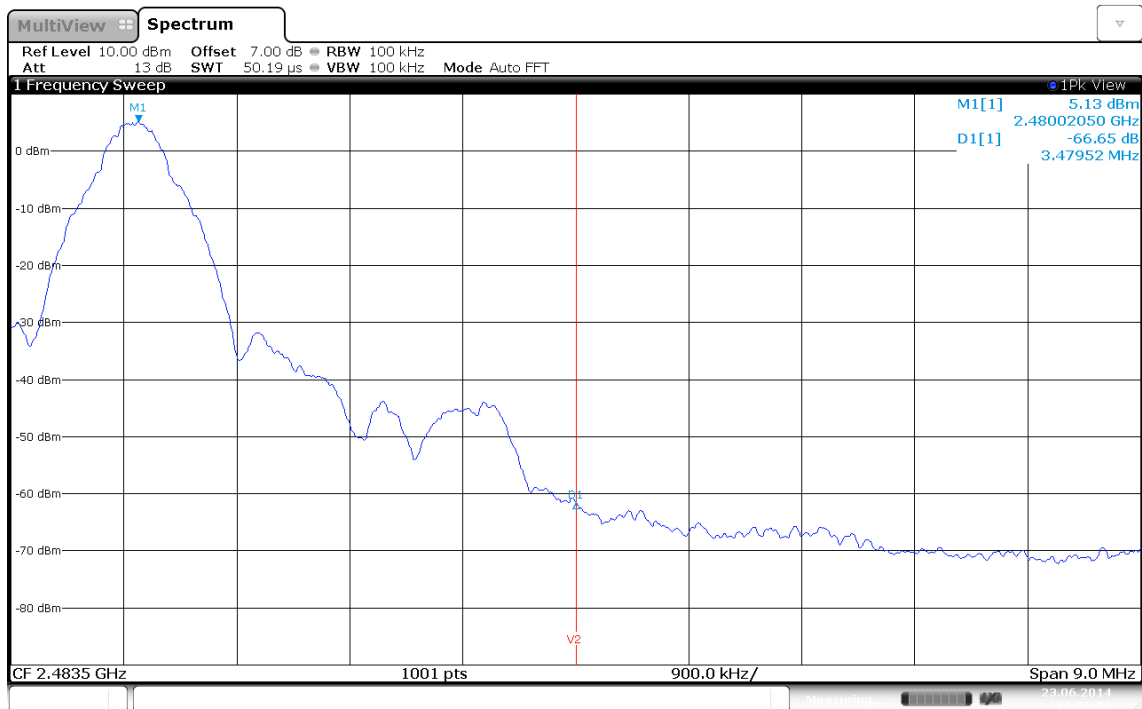
Test Report No.: G0M-1406-3920-TFC247BT-V01

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

Band-edge compliance – DH5-Sngl F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode

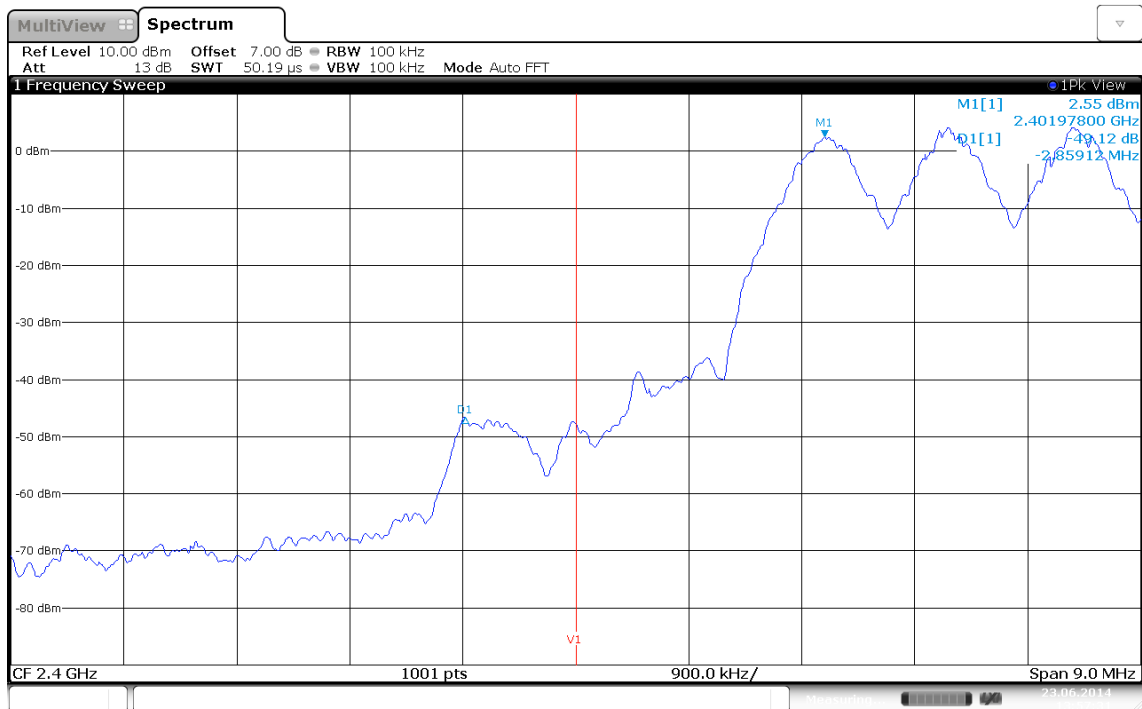


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:25:25

Band-edge compliance – DH5-Hop F_{LOW}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode

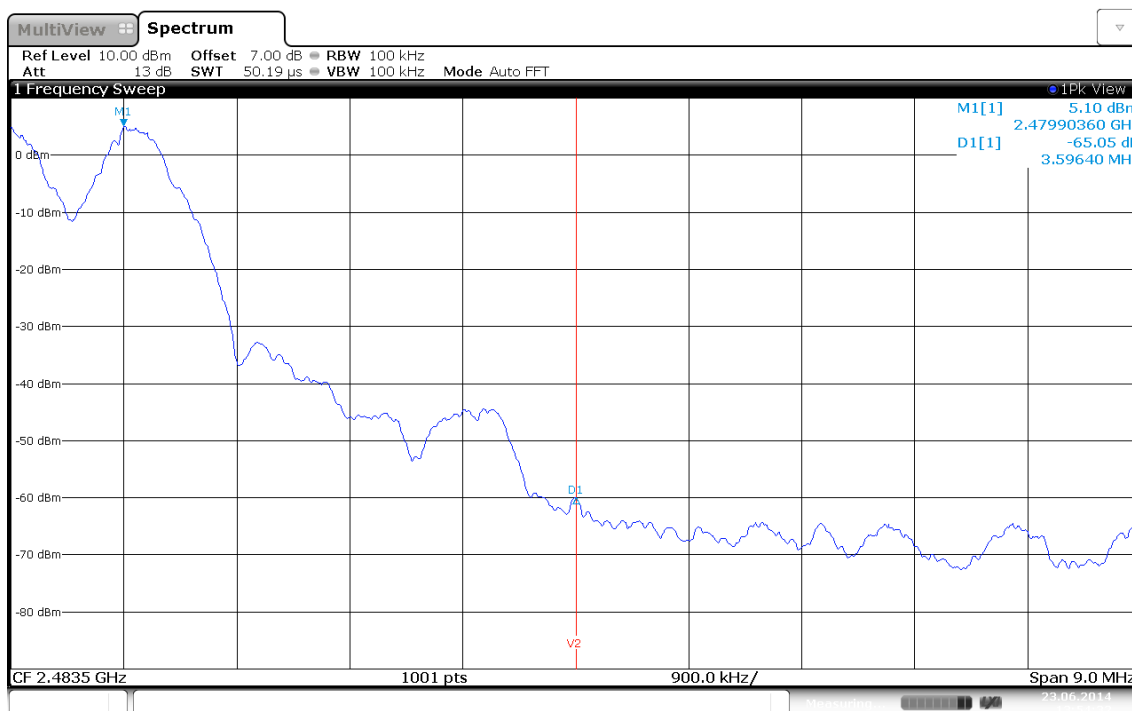


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:57:31

Band-edge compliance – DH5-Hop F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode



Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:54:32

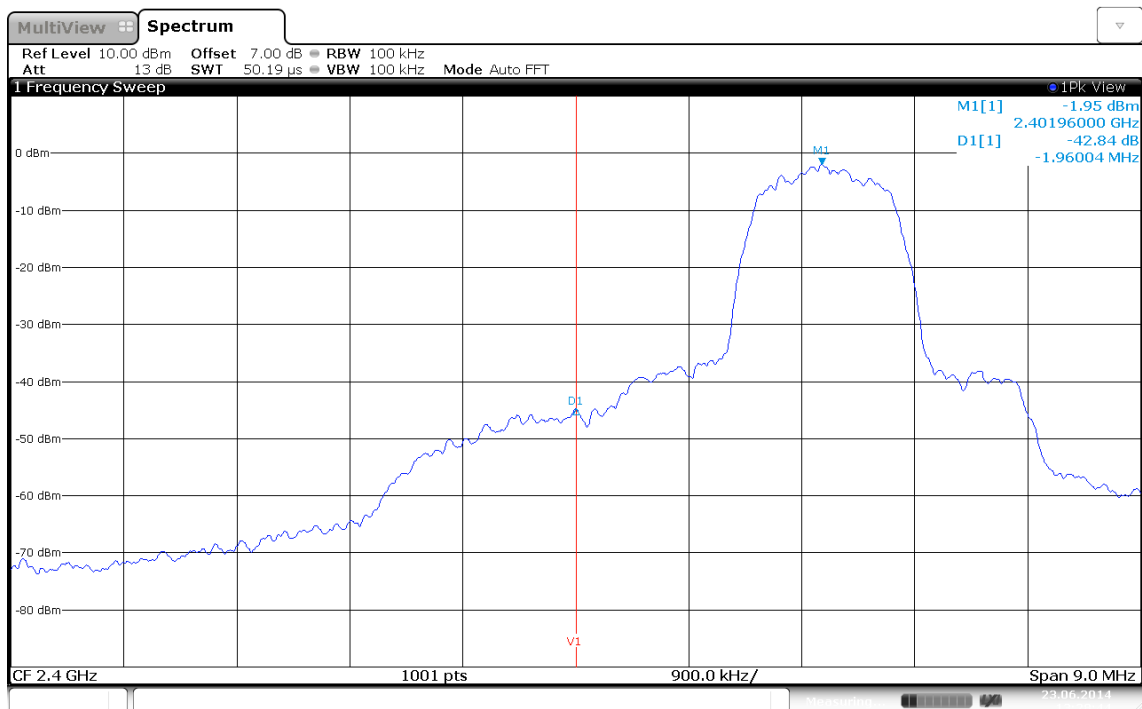
Test Report No.: G0M-1406-3920-TFC247BT-V01

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

Band-edge compliance – 2-DH5-Sngl F_{LOW}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT $\pi/4$ -DQPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode

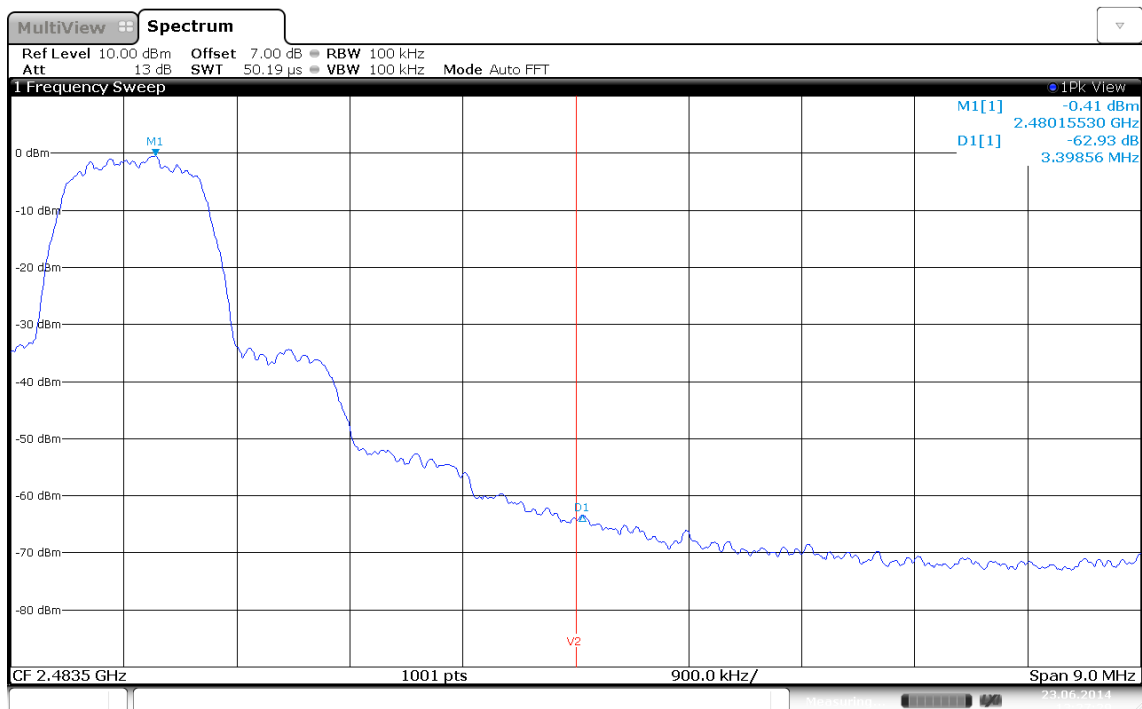


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:28:44

Band-edge compliance – 2-DH5-Sngl F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT $\pi/4$ -DQPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode

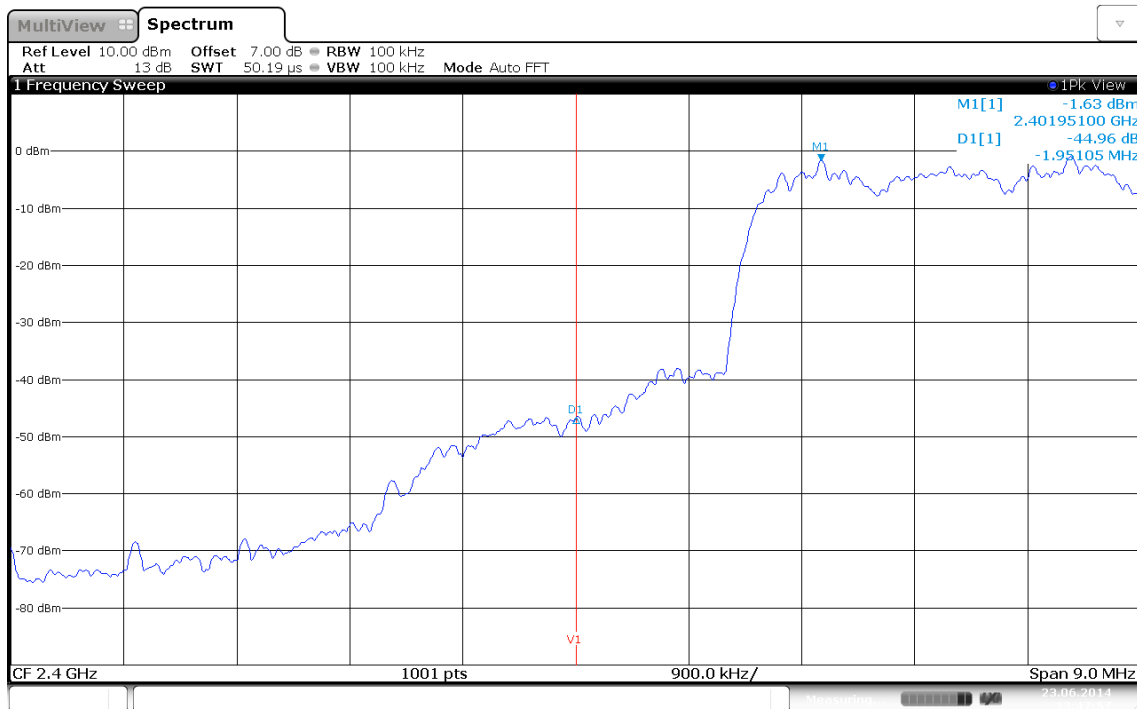


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:27:30

Band-edge compliance – 2-DH5-Hop F_{LOW}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: T_{nom} / V_{nom}
 Mode: Tx, BT π/4-DQPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode

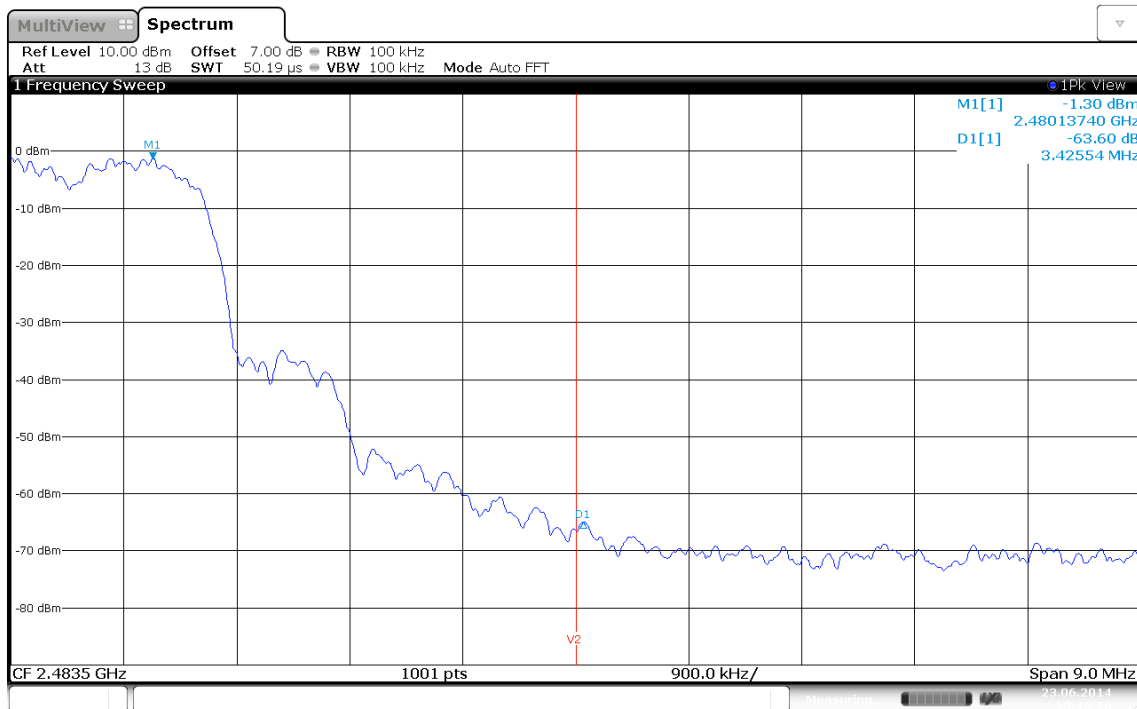


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:47:57

Band-edge compliance – 2-DH5-Hop F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: T_{nom} / V_{nom}
 Mode: T_x, BT π/4-DQPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode

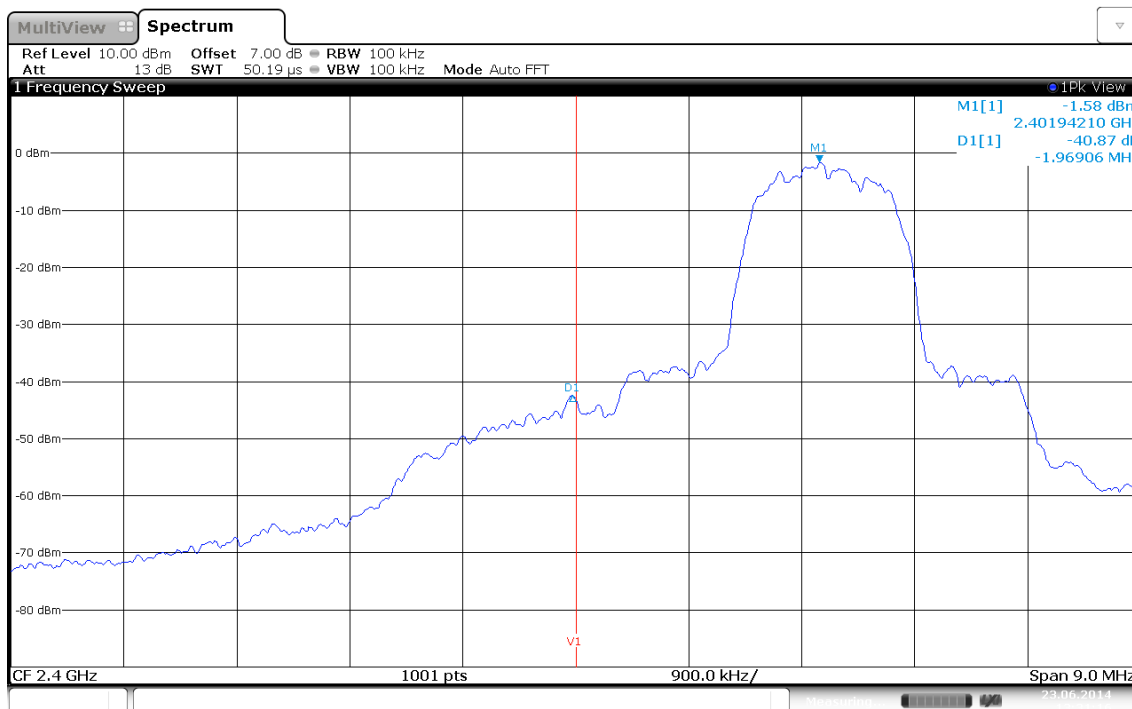


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:49:25

Band-edge compliance – 3-DH5-Sngl F_{LOW}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode

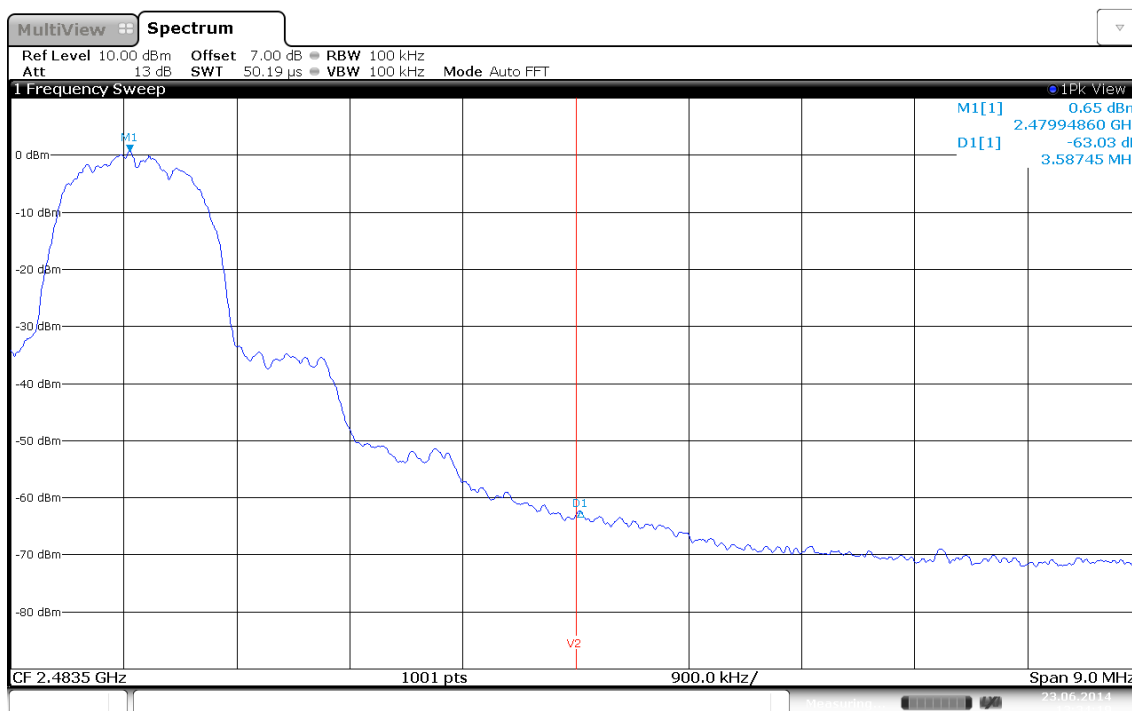


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:31:15

Band-edge compliance – 3-DH5-Sngl F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Single frequency mode

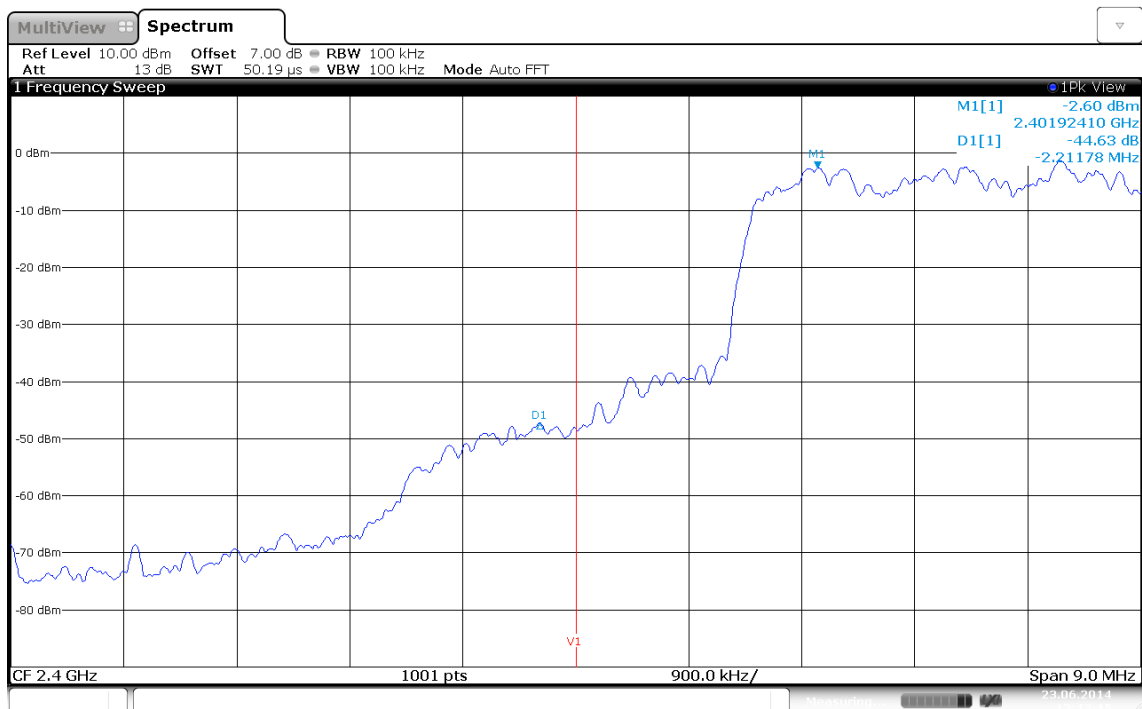


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:34:18

Band-edge compliance – 3-DH5-Hop F_{LOW}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2402MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode

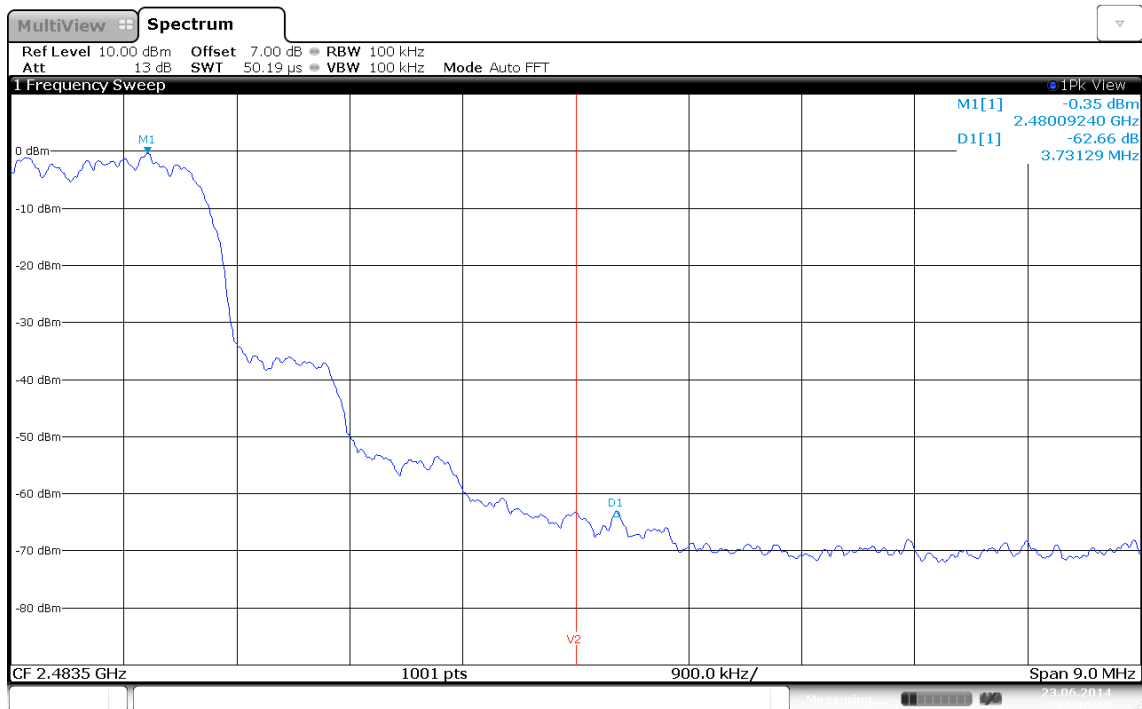


Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23 JUN 2014 13:43:45

Band-edge compliance – 3-DH5-Hop F_{HIGH}
Band-edge compliance of RF conducted emission acc. to FCC 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2480MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (c)
 Note 2: Hopping frequency mode




Limit: Marker Delta value >20 dB; Result: PASS
 Date: 23.JUN.2014 13:40:53

Test Report No.: G0M-1406-3920-TFC247BT-V01

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

3.9 Test Conditions and Results – Conducted spurious emissions

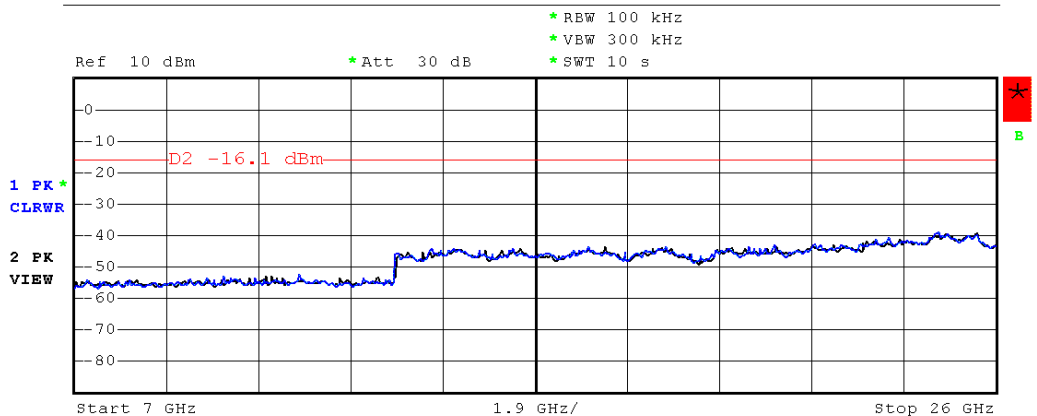
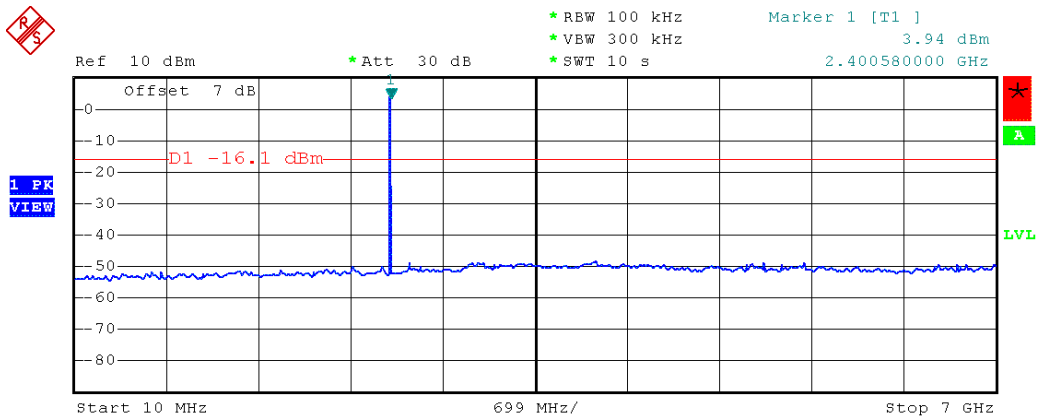
| Conducted spurious emissions acc. FCC 15.247 / IC RSS-210 | | | | | | | Verdict: PASS | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------------------------|----------------------------------------|------------------|-------------|----------------------|--------|
| EUT requirement rule parts and clause | | | Reference | | | | | |
| | | | FCC 15.247(d) / IC RSS-210 A8.5 | | | | | |
| Test according to measurement reference | | | Reference Method | | | | | |
| | | | FCC Public Notice DA 00-705 | | | | | |
| Test frequency range | | | Tested frequencies | | | | | |
| | | | 10 MHz – 10 th 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 | | | | | | | | |
|  | | | | | | | | |
| Test procedure | | | | | | | | |
| <ol style="list-style-type: none"> 1. EUT set to test mode (Communication tester is used if needed) 2. Span it set according to measurement range 3. Resolution bandwidth is set to 100 kHz and detector to peak and max hold 4. Markers are set to peak emission levels within frequency band 5. Emission level is determined by second marker on emission peak 6. Attenuation is determined from level difference | | | | | | | | |
| Test results | | | | | | | | |
| Channel | Frequency [MHz] | Mode | Emission [MHz] | Emission Level [dBm] | Peak power [dBm] | Limit [dBm] | Margin [dB] | Result |
| F _{LOW} | 2402 | DH5-Sngl | No significant spurious emissions | | | | | PASS |
| F _{MID} | 2441 | DH5-Sngl | No significant spurious emissions | | | | | PASS |
| F _{HIGH} | 2480 | DH5-Sngl | No significant spurious emissions | | | | | PASS |
| F _{LOW} | 2402 | 3DH5-Sngl | 3043.66 | -47.40 | 0.65 | -19.4 | -28.00 | PASS |
| F _{MID} | 2441 | 3DH5-Sngl | No significant spurious emissions | | | | | PASS |
| F _{HIGH} | 2480 | 3DH5-Sngl | No significant spurious emissions | | | | | PASS |
| Comments: | | | | | | | | |

Conducted spurious emissions – DH5-Sngl F_{Low}

Conducted spurious emission acc. to FCC part 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2402 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:



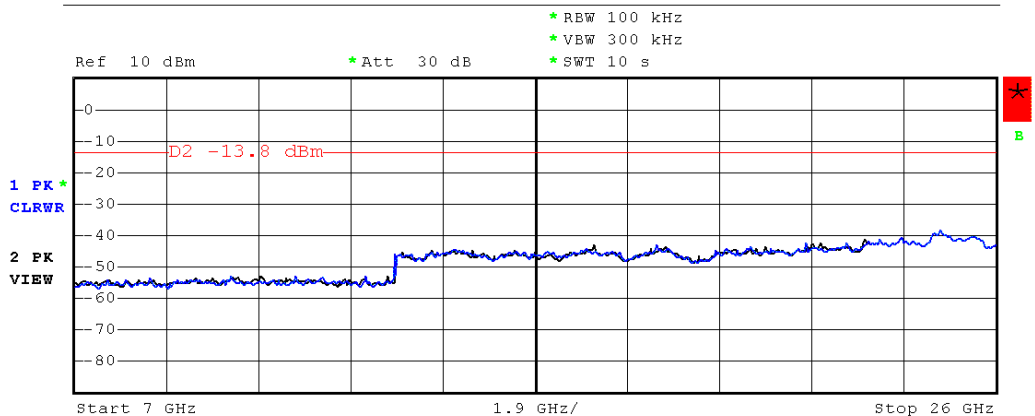
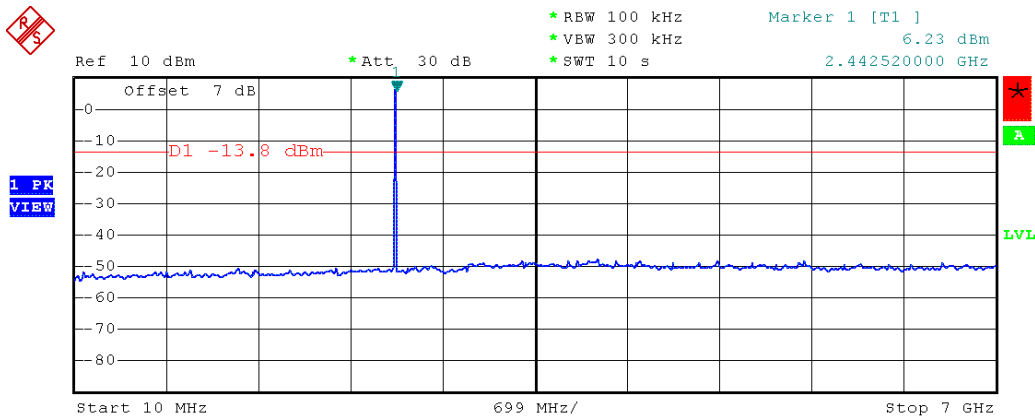
Date: 23.JUN.2014 14:54:24

Conducted spurious emissions – DH5-Sngl F_{MID}

Conducted spurious emission acc. to FCC part 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2441 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:



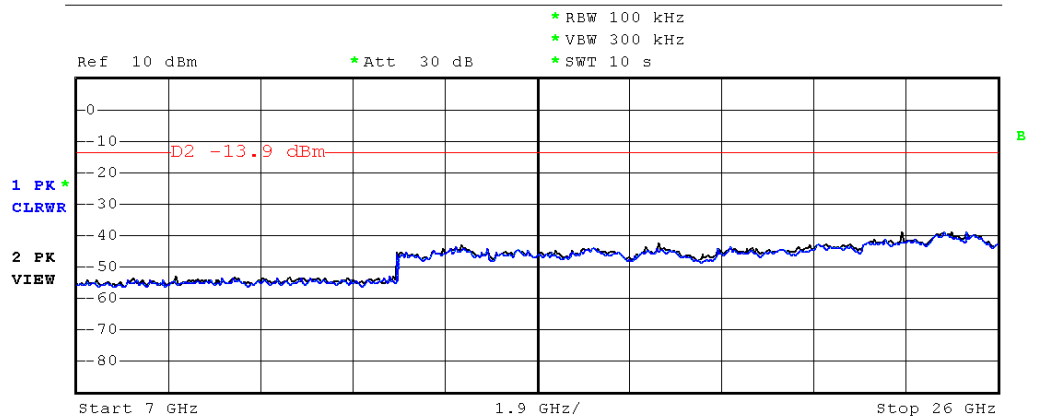
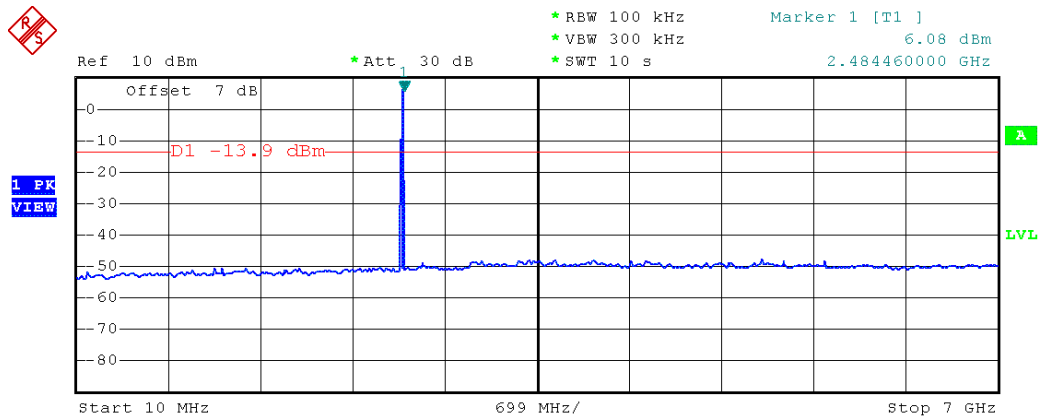
Date: 23.JUN.2014 14:57:36

Conducted spurious emissions – DH5-Sngl F_{HIGH}

Conducted spurious emission acc. to FCC part 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT GFSK, 2480 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:



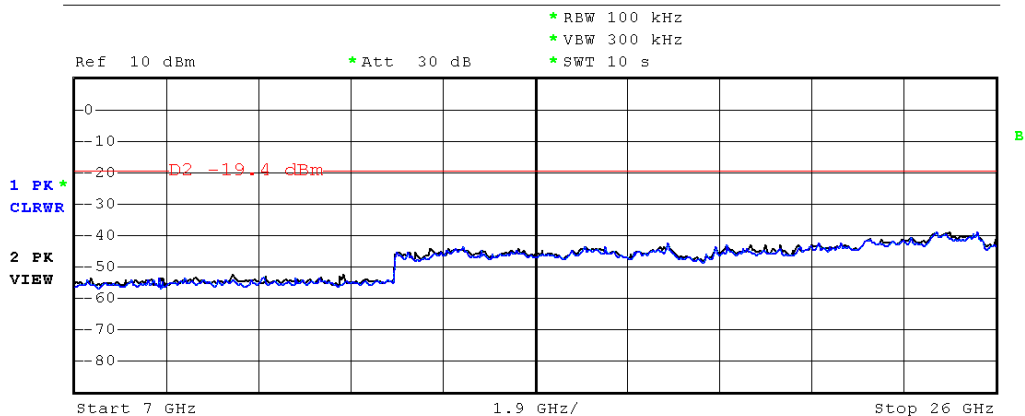
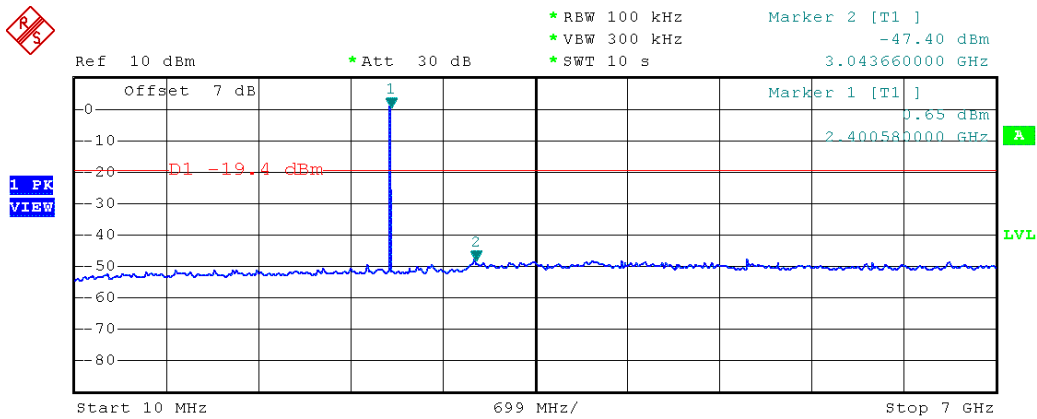
Date: 23.JUN.2014 15:01:22

Conducted spurious emissions – 3-DH5-Sngl F_{Low}

Conducted spurious emission acc. to FCC part 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2402 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:

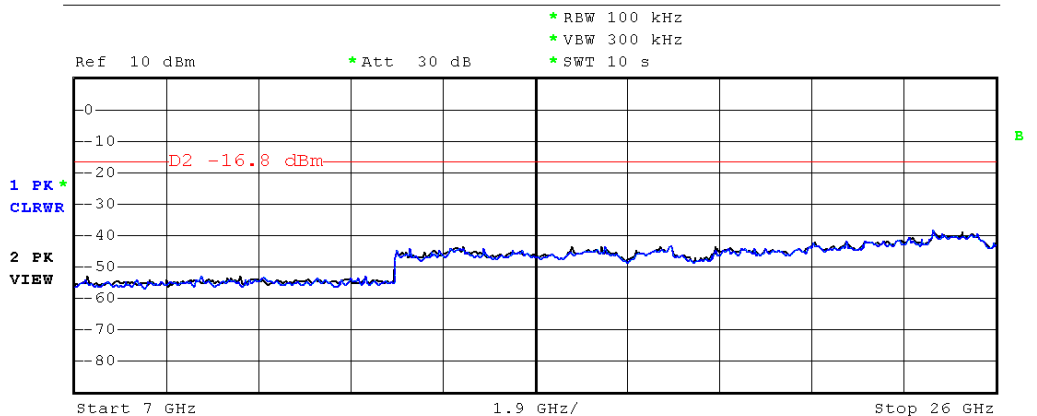
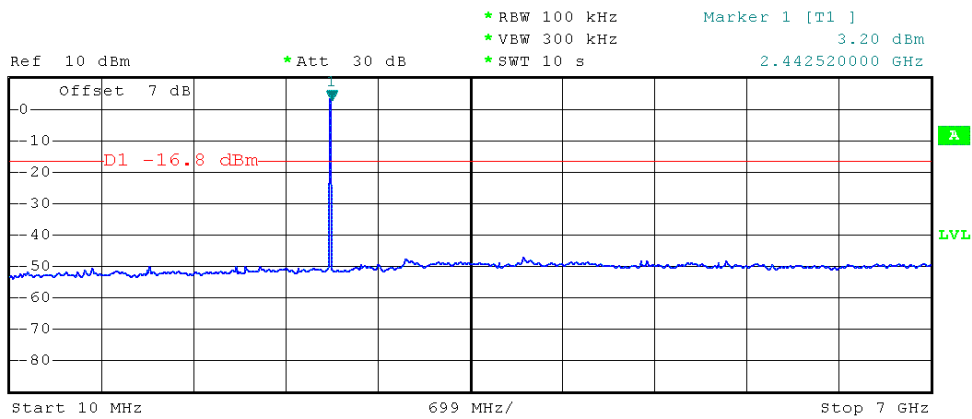


Date: 23.JUN.2014 15:10:53

Conducted spurious emissions – 3-DH5-Sngl F_{MID}
Conducted spurious emission acc. to FCC part 15.247

Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2441 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:

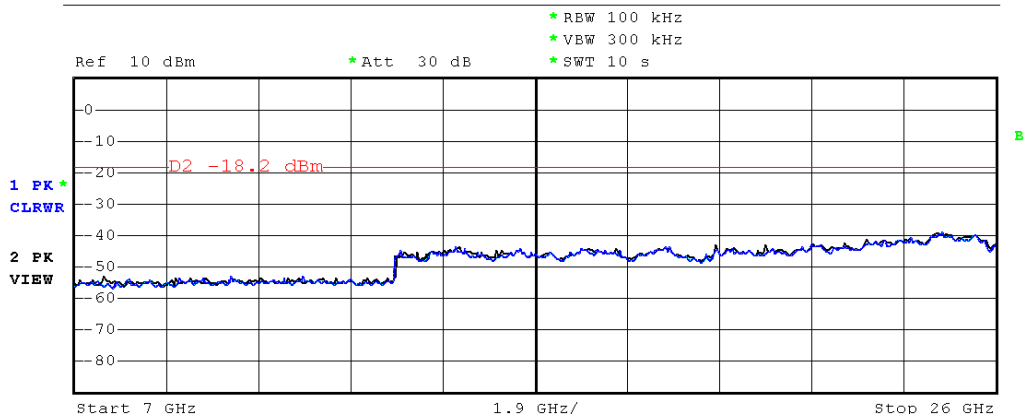
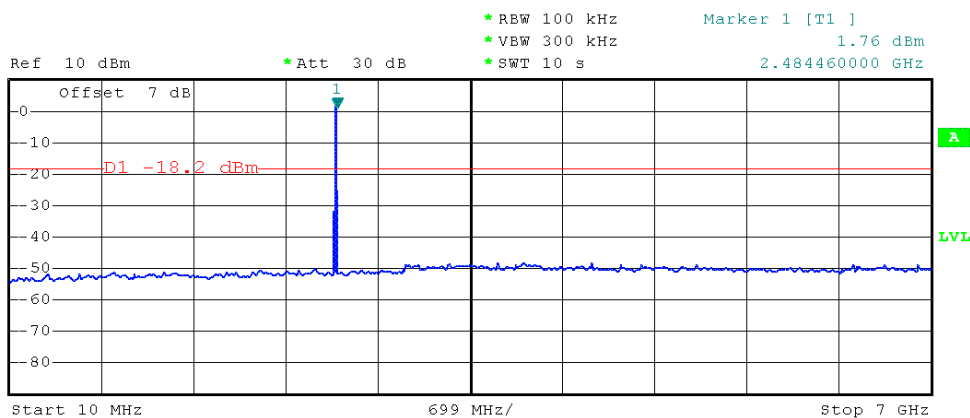


Date: 23.JUN.2014 15:08:10

Conducted spurious emissions – 3-DH5-Sngl F_{HIGH}
Conducted spurious emission acc. to FCC part 15.247

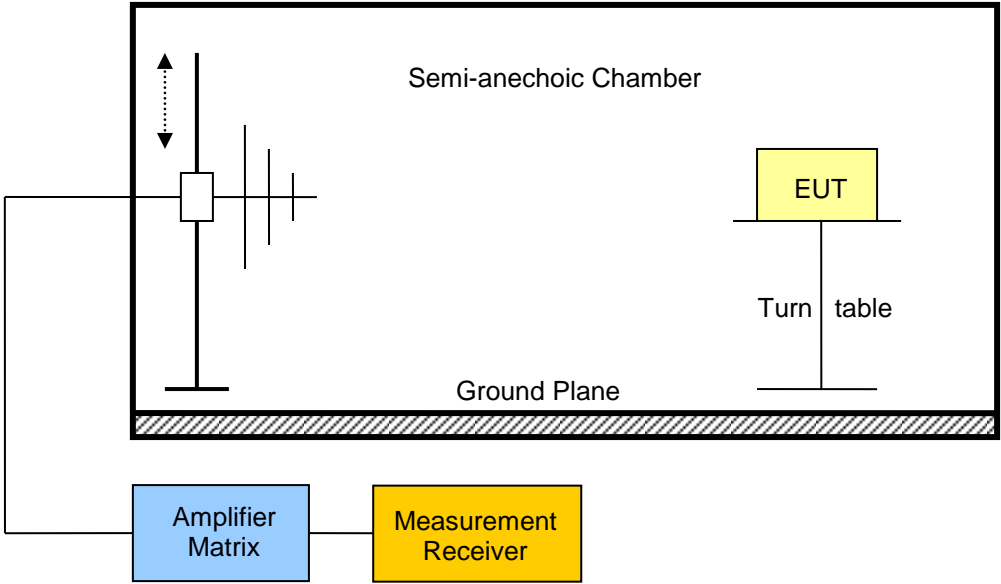
Project Number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Jabra
 Model: OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Matthias Handrik
 Test Conditions: Tnom / Vnom
 Mode: Tx, BT 8DPSK, 2480 MHz, modulated
 Test Date: 2014-06-23
 Verdict: PASS
 Note 1: FCC part 15 section 247 (d)
 Note 2:



Date: 23.JUN.2014 15:04:32

3.10 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 th Harmonic | | | | |
| Limits | | | | | |
| Frequency range [MHz] | Detector | Limit [μ V/m] | Limit [dB μ V/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 | |
| <p>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)).</p> <p>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.</p> | | | | | |
| Test setup | | | | | |
|  <p>The diagram illustrates the test setup. A Semi-anechoic Chamber is shown with a Ground Plane at the bottom. Inside the chamber, an Amplifier Matrix is connected to a Measurement Receiver. The Equipment Under Test (EUT) is placed on a Turn table. The chamber is designed to minimize reflections, ensuring accurate measurement of radiated emissions.</p> | | | | | |

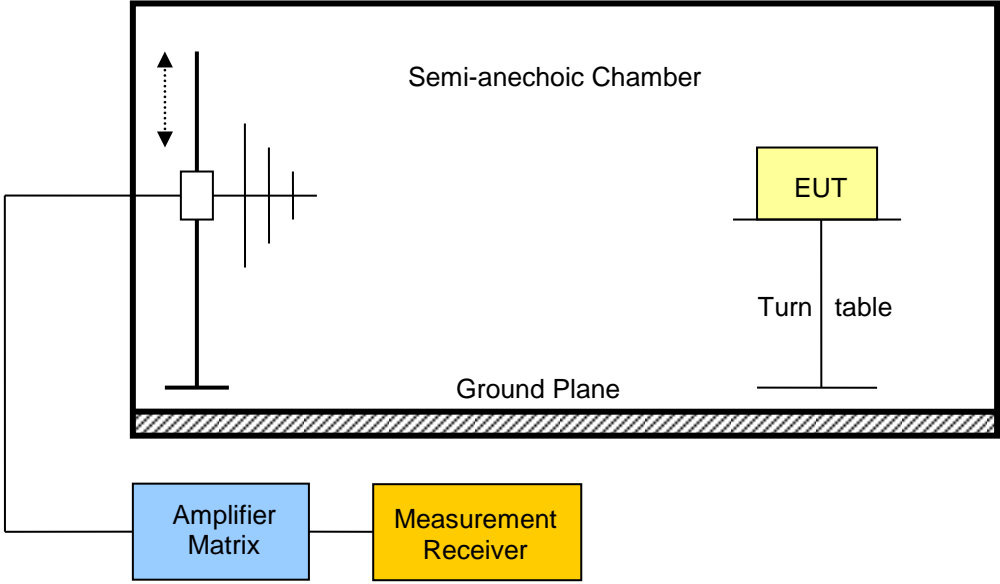
| Test procedure | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|----------------|----------------------|------|------|----------------------|------------------|-------------|
| 1. EUT set to test mode (Communication tester is used if needed) 2. Span it set according to measurement range 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 4. Markers are set to peak emission levels within restricted bands | | | | | | | | | |
| Test results | | | | | | | | | |
| Channel | Frequency [MHz] | Mode | Emission [MHz] | Level [dB μ V/m] | Det. | Pol. | Limit [dB μ V/m] | Limit dist. [m]* | Margin [dB] |
| F _{HIGH} | 2480 | 3DH5-Sngl | 2483.5 | 54.70 | pk | ver | 74.00 | 3 | -19.30 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 2483.5 | 43.79 | RMS | ver | 54.00 | 3 | -10.21 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 2483.5 | 61.47 | pk | hor | 74.00 | 3 | -12.53 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 2483.5 | 51.21 | RMS | hor | 54.00 | 3 | -02.79 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 4960 | 52.93 | pk | ver | 74.00 | 3 | -21.07 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 4960 | 45.06 | avg | ver | 54.00 | 3 | -08.94 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 4960 | 56.67 | pk | hor | 74.00 | 3 | -17.33 |
| F _{HIGH} | 2480 | 3DH5-Sngl | 4960 | 49.05 | avg | hor | 54.00 | 3 | -04.95 |
| F _{MID} | 2441 | 3DH5-Sngl | 4882 | 52.68 | pk | ver | 74.00 | 3 | -21.32 |
| F _{MID} | 2441 | 3DH5-Sngl | 4882 | 44.08 | avg | ver | 54.00 | 3 | -09.92 |
| F _{MID} | 2441 | 3DH5-Sngl | 4882 | 56.48 | pk | hor | 74.00 | 3 | -17.52 |
| F _{MID} | 2441 | 3DH5-Sngl | 4882 | 48.27 | avg | hor | 54.00 | 3 | -05.73 |
| F _{LOW} | 2402 | 3DH5-Sngl | 4800 | 50.58 | pk | ver | 74.00 | 3 | -23.42 |
| F _{HIGH} | 2480 | DH5-Sngl | 2483.5 | 53.57 | pk | ver | 74.00 | 3 | -20.43 |
| F _{HIGH} | 2480 | DH5-Sngl | 2483.5 | 45.50 | RMS | ver | 54.00 | 3 | -08.50 |
| F _{HIGH} | 2480 | DH5-Sngl | 2483.5 | 60.79 | pk | hor | 74.00 | 3 | -13.21 |
| F _{HIGH} | 2480 | DH5-Sngl | 2483.5 | 53.26 | RMS | hor | 54.00 | 3 | -00.74 |
| F _{HIGH} | 2480 | DH5-Sngl | 4960 | 56.03 | pk | ver | 74.00 | 3 | -17.97 |
| F _{HIGH} | 2480 | DH5-Sngl | 4960 | 51.37 | avg | ver | 54.00 | 3 | -02.63 |
| F _{HIGH} | 2480 | DH5-Sngl | 4960 | 57.45 | pk | hor | 74.00 | 3 | -16.55 |
| F _{HIGH} | 2480 | DH5-Sngl | 4960 | 52.96 | avg | hor | 54.00 | 3 | -01.04 |
| F _{HIGH} | 2480 | DH5-Sngl | 12390 | 49.88 | pk | ver | 74.00 | 3 | -24.12 |
| F _{MID} | 2441 | DH5-Sngl | 4882 | 58.14 | pk | ver | 74.00 | 3 | -15.86 |
| F _{MID} | 2441 | DH5-Sngl | 4882 | 53.18 | avg | ver | 54.00 | 3 | -00.82 |
| F _{MID} | 2441 | DH5-Sngl | 4882 | 54.88 | pk | hor | 74.00 | 3 | -19.12 |
| F _{MID} | 2441 | DH5-Sngl | 4882 | 49.25 | avg | hor | 54.00 | 3 | -04.75 |
| F _{MID} | 2441 | DH5-Sngl | 12200 | 48.12 | pk | ver | 74.00 | 3 | -25.88 |
| F _{LOW} | 2402 | DH5-Sngl | 4804 | 53.73 | pk | ver | 74.00 | 3 | -20.27 |

 Test Report No.: G0M-1406-3920-TFC247BT-V01

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

| | | | | | | | | | |
|--------------------------------------------------------------------|------|----------|------|-------|-----|-----|-------|---|--------|
| F _{LOW} | 2402 | DH5-Sngl | 4804 | 47.93 | avg | ver | 54.00 | 3 | -06.07 |
| F _{LOW} | 2402 | DH5-Sngl | 4804 | 55.99 | pk | hor | 74.00 | 3 | -18.01 |
| F _{LOW} | 2402 | DH5-Sngl | 4804 | 51.28 | avg | hor | 54.00 | 3 | -02.72 |
| Comments: * Physical distance between EUT and measurement antenna. | | | | | | | | | |

3.11 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 th Harmonic | | | |
| EUT test mode | Receive | | | |
| Limits | | | | |
| Frequency range [MHz] | Detector | Limit [μ V/m] | Limit [dB μ V/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 | | | | |
|  <p>The diagram illustrates the test setup within a Semi-anechoic Chamber. A Ground Plane is located at the bottom. An Amplifier Matrix (blue box) is connected to a Measurement Receiver (yellow box) outside the chamber. Inside the chamber, an EUT (yellow box) is placed on a Turn table. A vertical antenna is positioned to the left of the EUT, with a vertical double-headed arrow indicating its height. The chamber walls are shown with a hatched pattern representing absorbers.</p> | | | | |

Test procedure

1. EUT set to receive mode (Communication tester is used if needed)
2. Span it set according to measurement range
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
4. Markers are set to peak emission levels

Test results

| Channel | Frequency [MHz] | Emission [MHz] | Emission Level [db μ V/m] | Emission Level [μ V/m] | Det. | Limit [μ V/m] | Margin [μ V/m] |
|------------------|-----------------|----------------|-------------------------------|-----------------------------|------|--------------------|---------------------|
| F _{MID} | 2441 | 884.8 | 36.27 | 65.1 | pk | 200 | -134.90 |

Comments:

* Physical distance between EUT and measurement antenna.

** Emission level corresponds to ambient noise floor

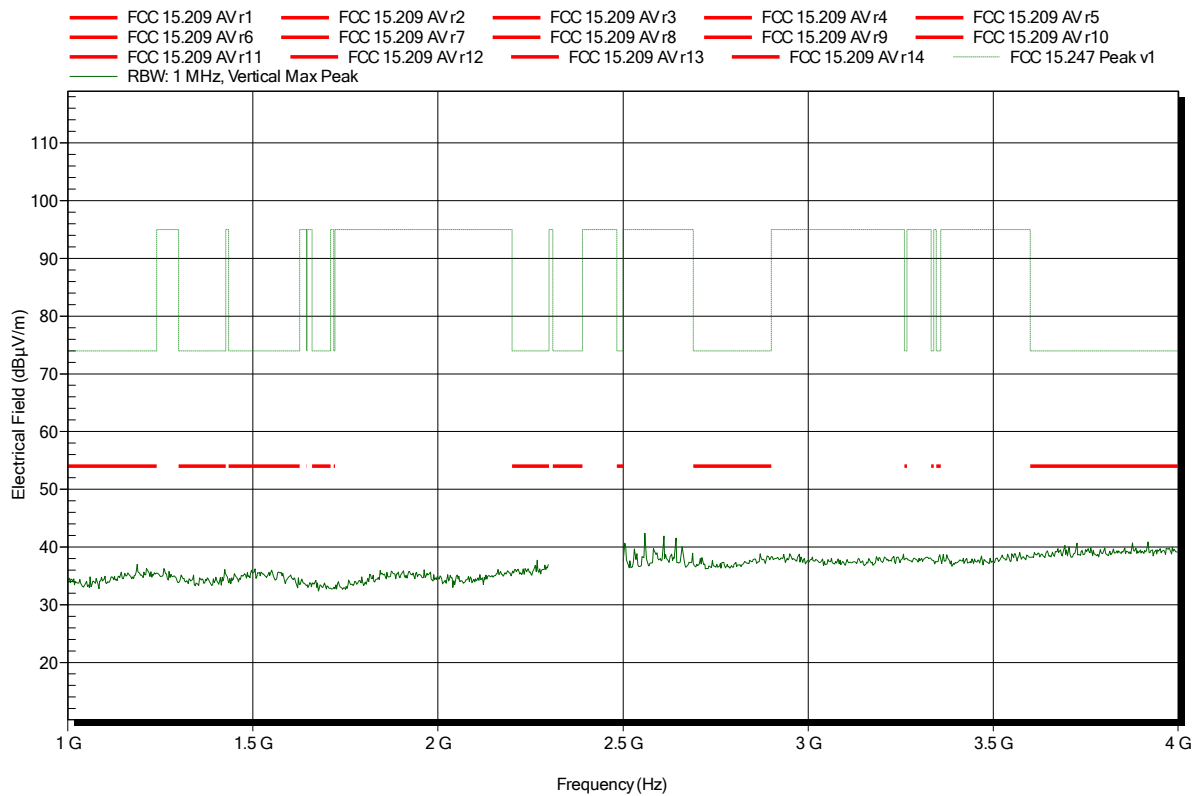
ANNEX A Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 0
 Test Date: 2014-06-25
 Note:

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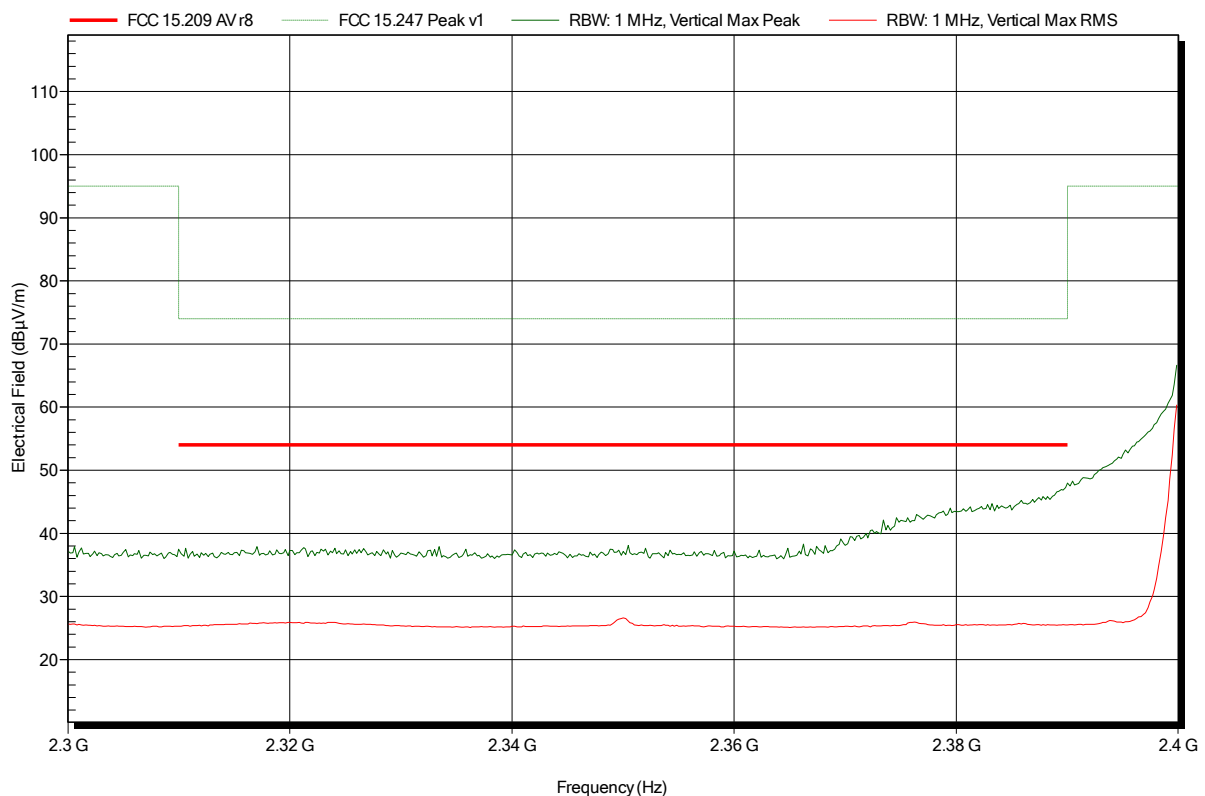


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Vertical |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | lower bandedge |

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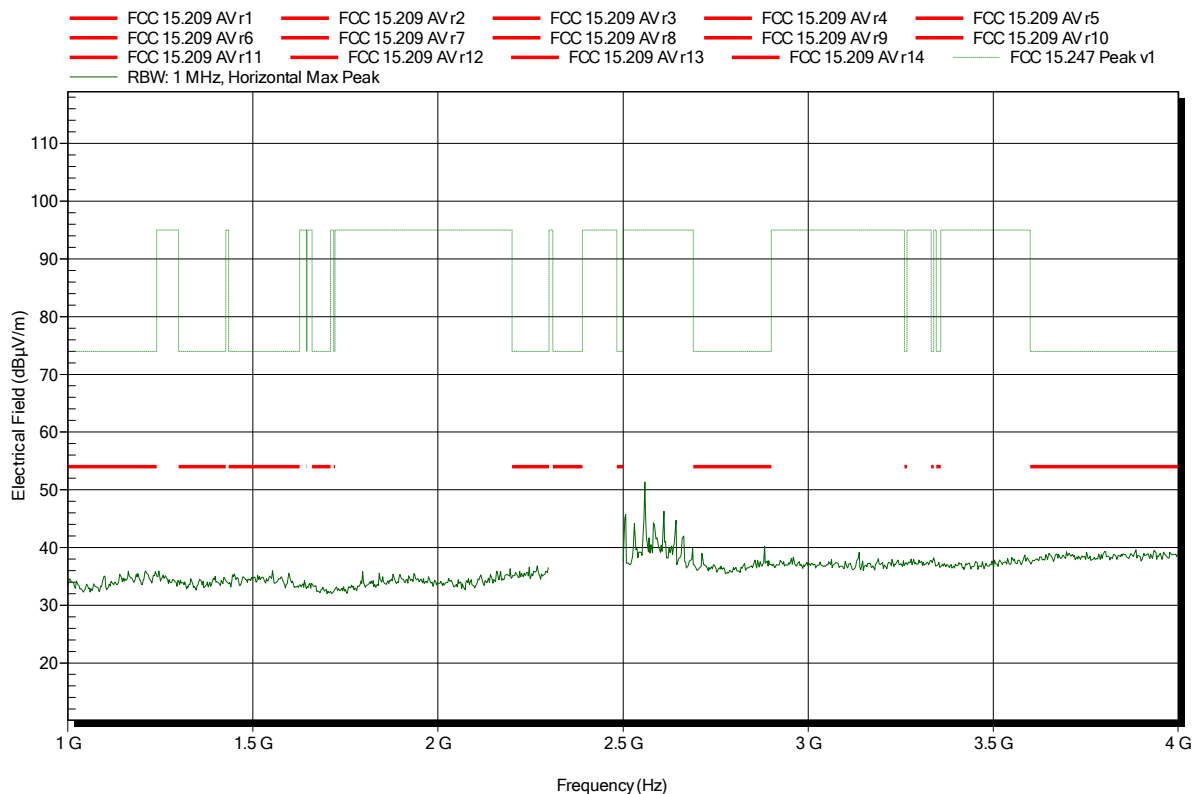


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 0
 Test Date: 2014-06-24
 Note:

Index 5

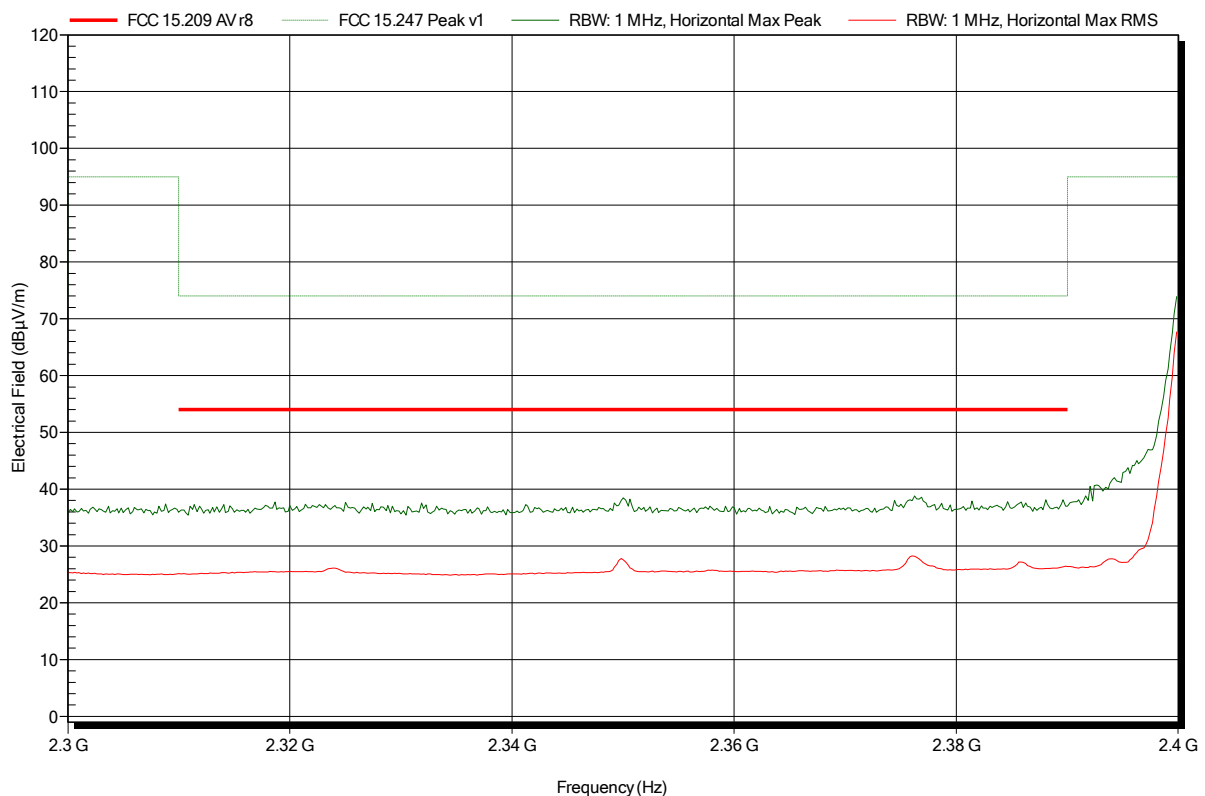


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-24 |
| Note: | lower bandedge |

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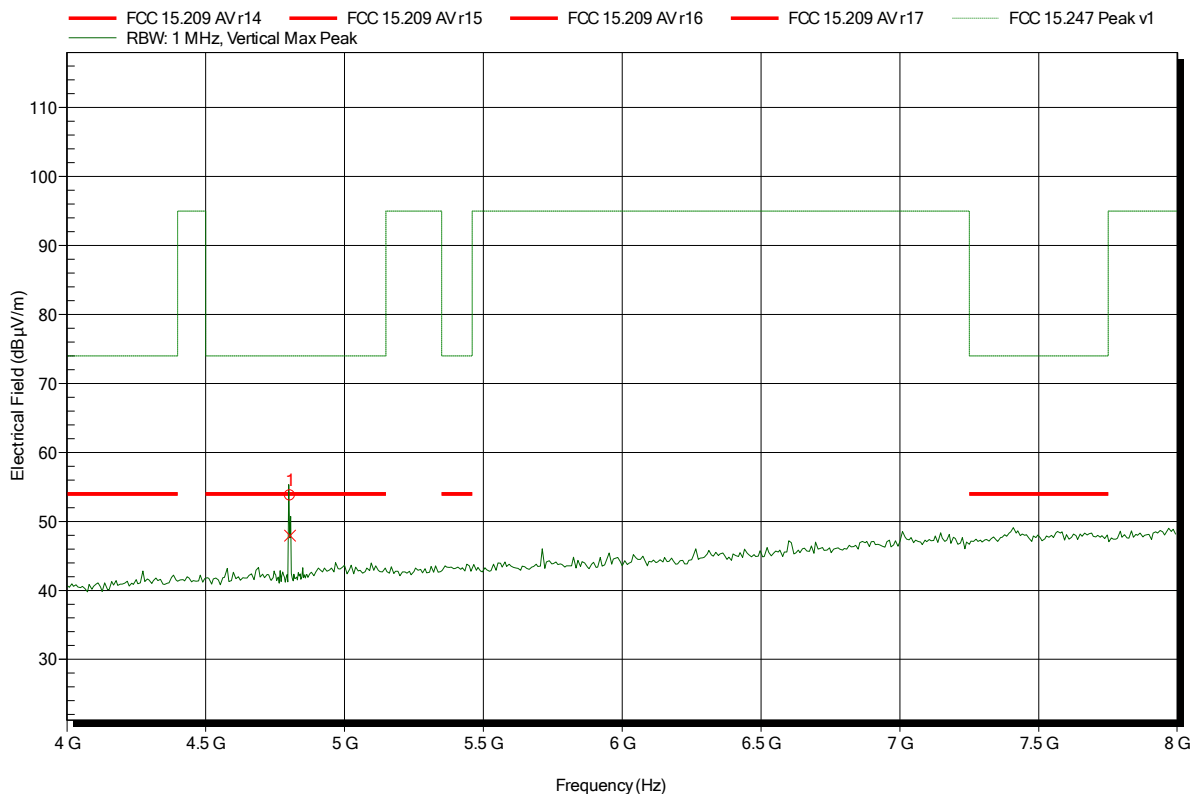


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 0
 Test Date: 2014-06-25
 Note:

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| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.804 GHz | 53.73 dBµV/m | 74 dBµV/m | -20.27 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.804 GHz | 47.93 dBµV/m | 54 dBµV/m | -6.07 dB | Pass |

Test Report No.: G0M-1406-3920-TFC247BT-V01

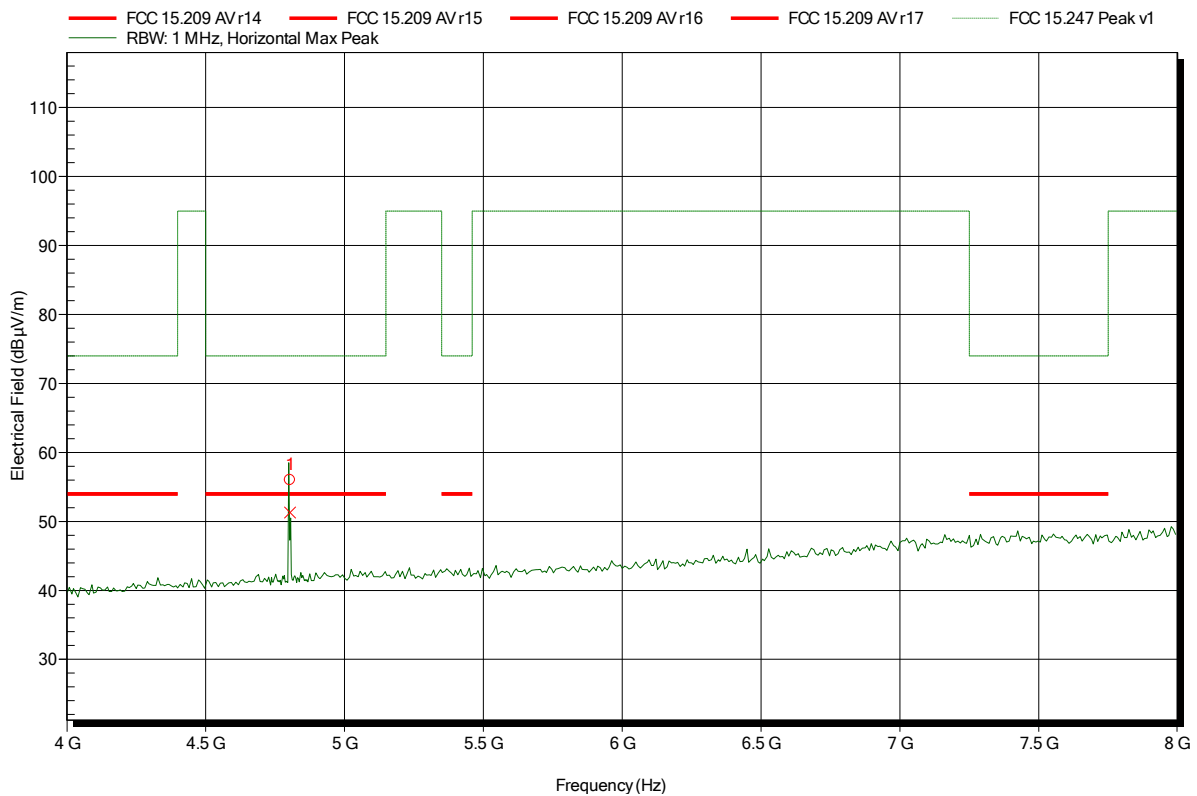
 Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 0
 Test Date: 2014-06-24
 Note:

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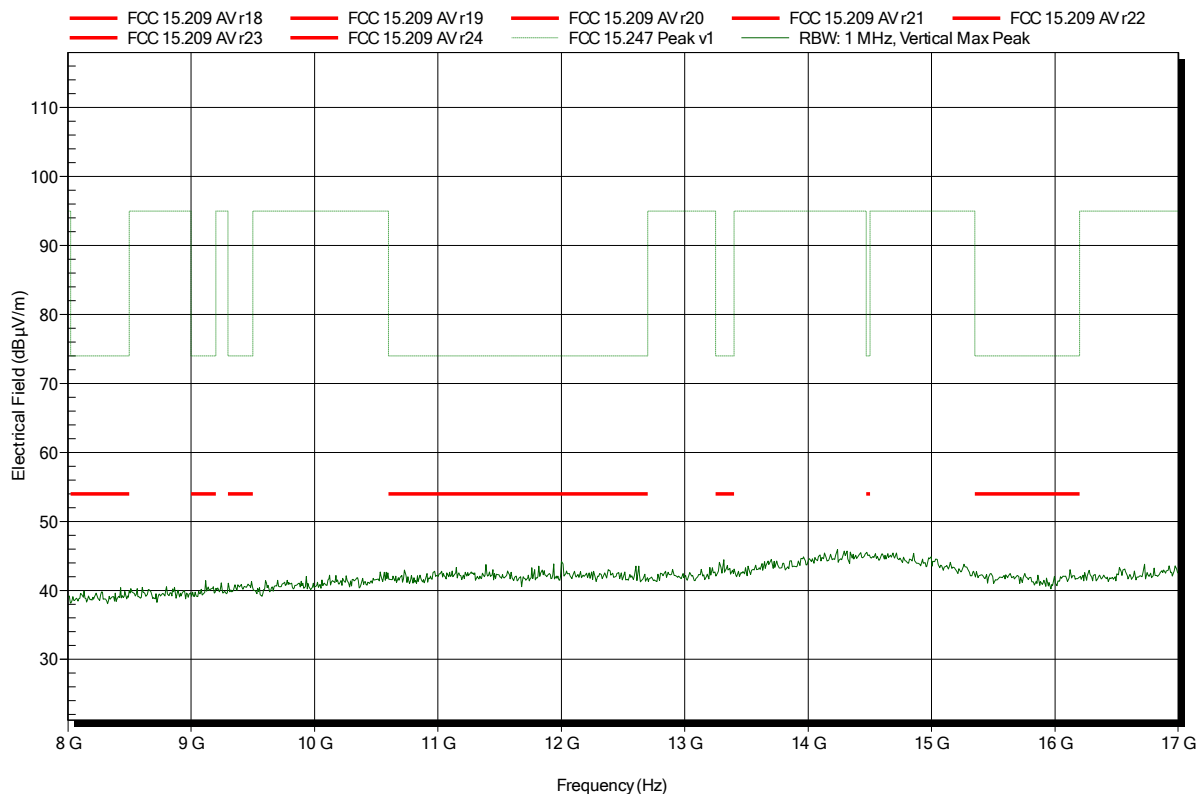
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.804 GHz | 55.99 dBµV/m | 74 dBµV/m | -18.01 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.804 GHz | 51.28 dBµV/m | 54 dBµV/m | -2.72 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Vertical |
| Measurement distance: | 1 m converted to 3m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | |

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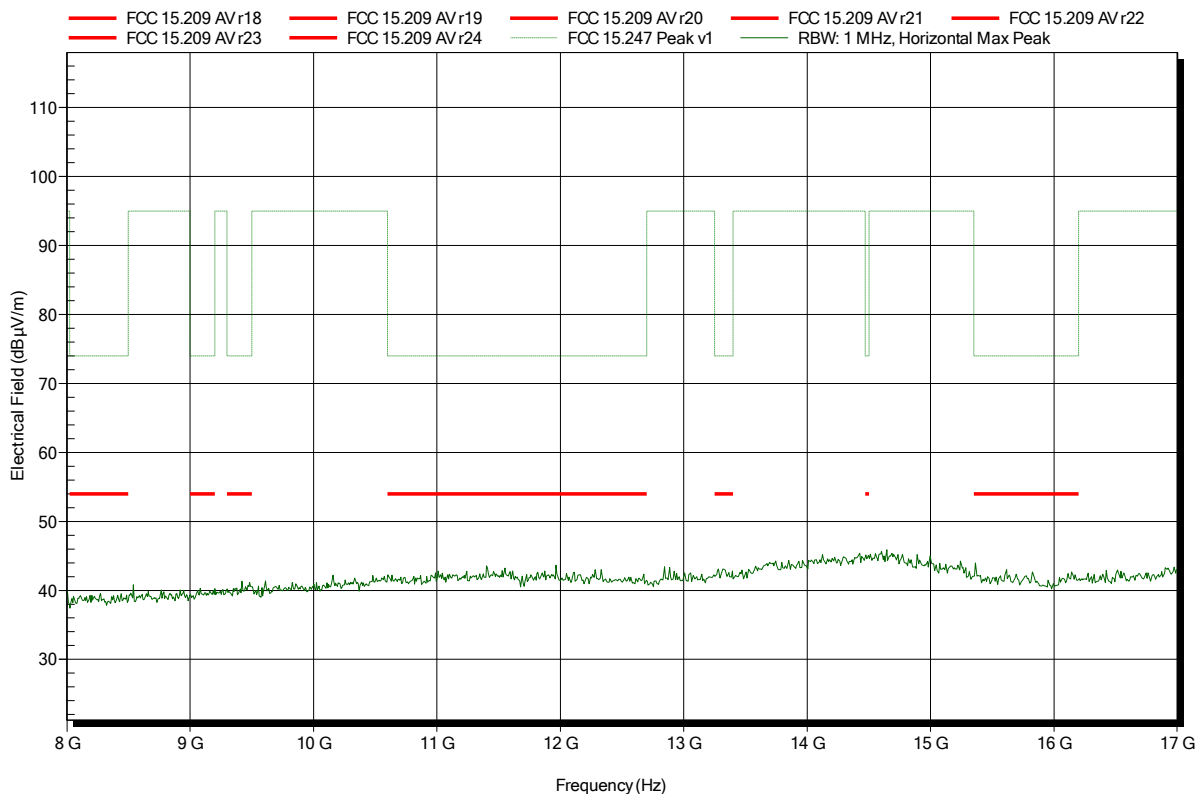


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 1 m converted to 3m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | |

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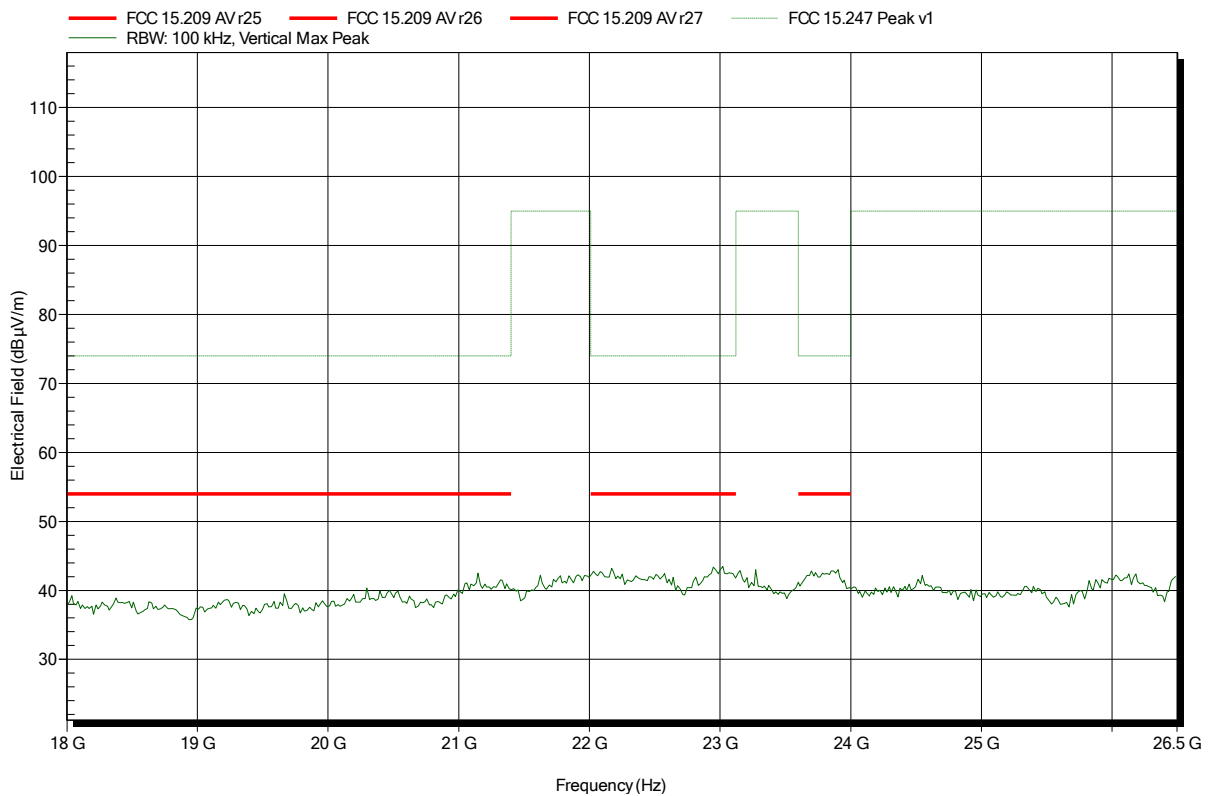


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Vertical |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | |

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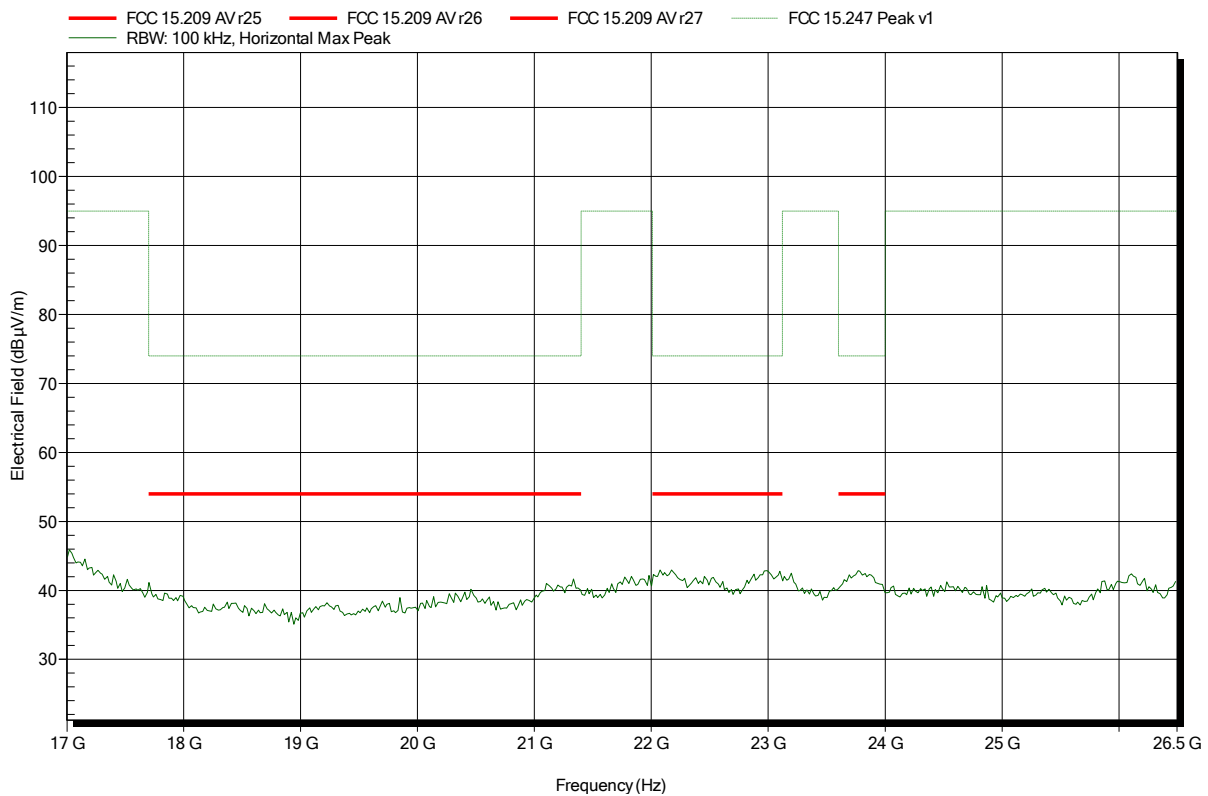


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Horizontal |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | |

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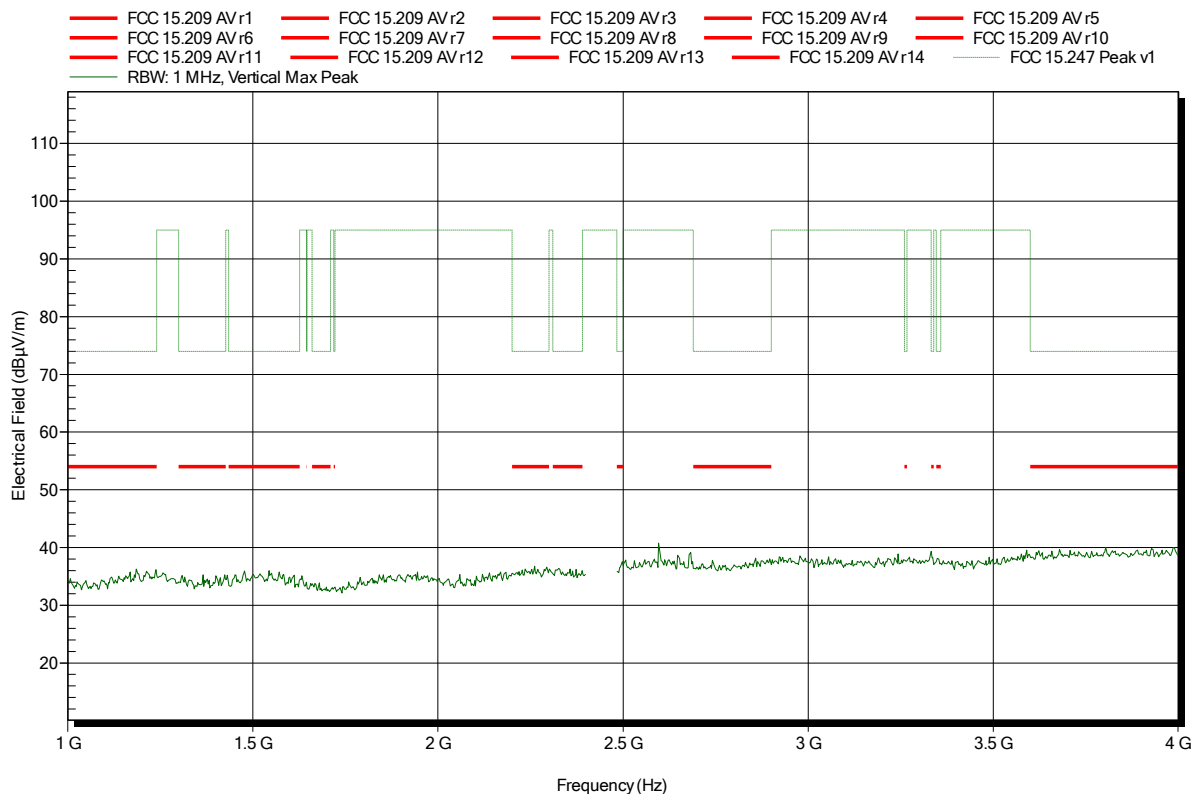


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

Index 26

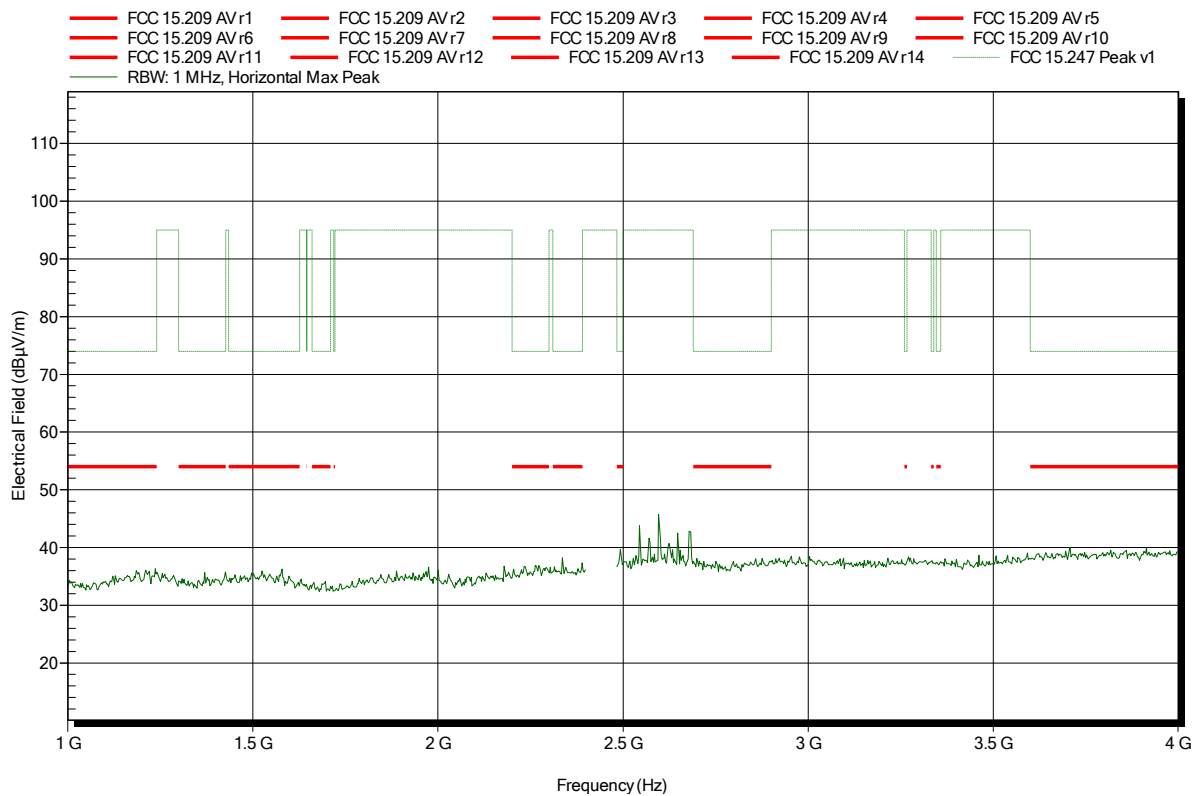


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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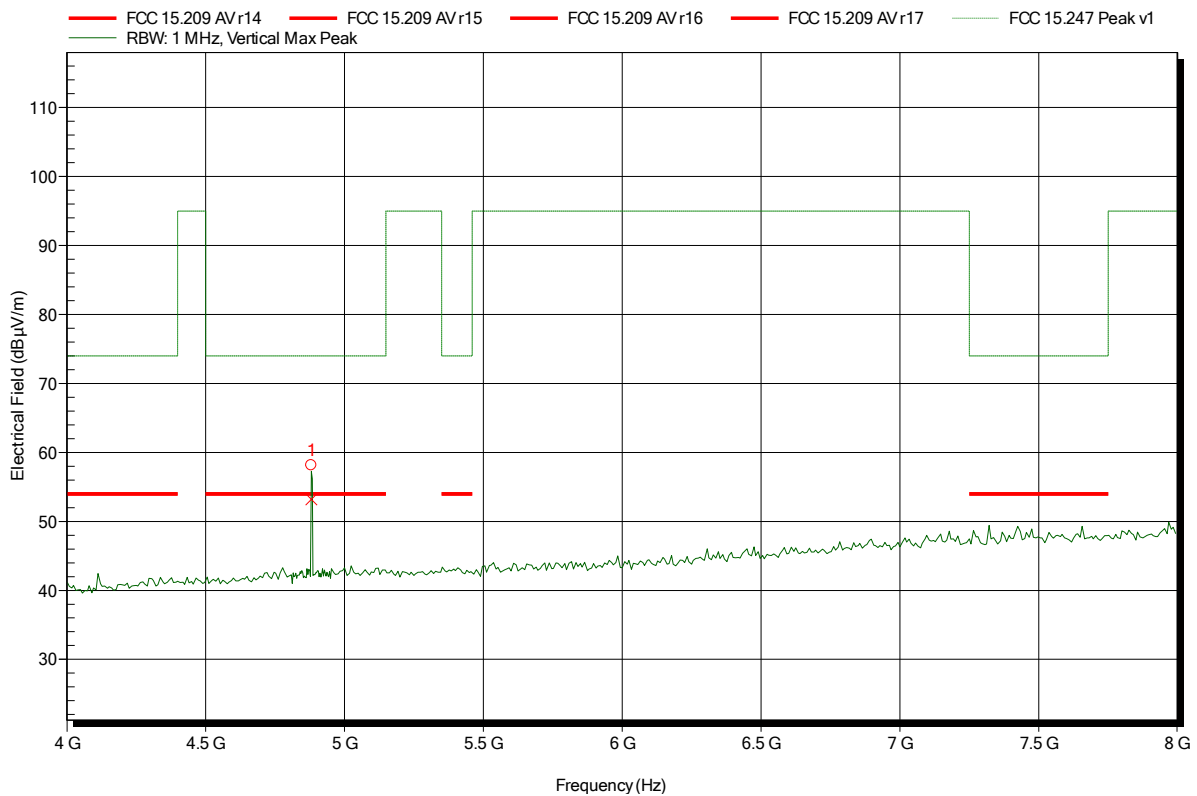


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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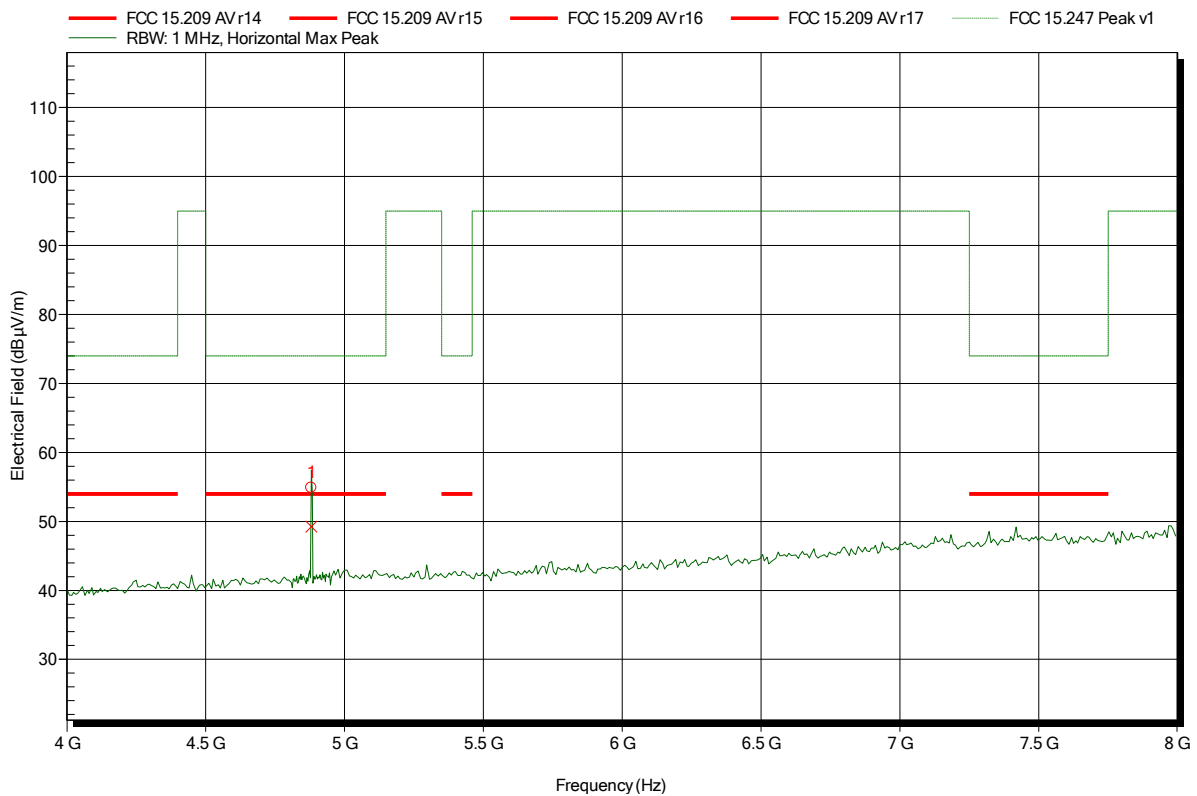
| | | | | |
|-----------|--------------|---------------|--------------------|----------------|
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
| 4.882 GHz | 58.14 dBµV/m | 74 dBµV/m | -15.86 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.882 GHz | 53.18 dBµV/m | 54 dBµV/m | -0.82 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-24
 Note:

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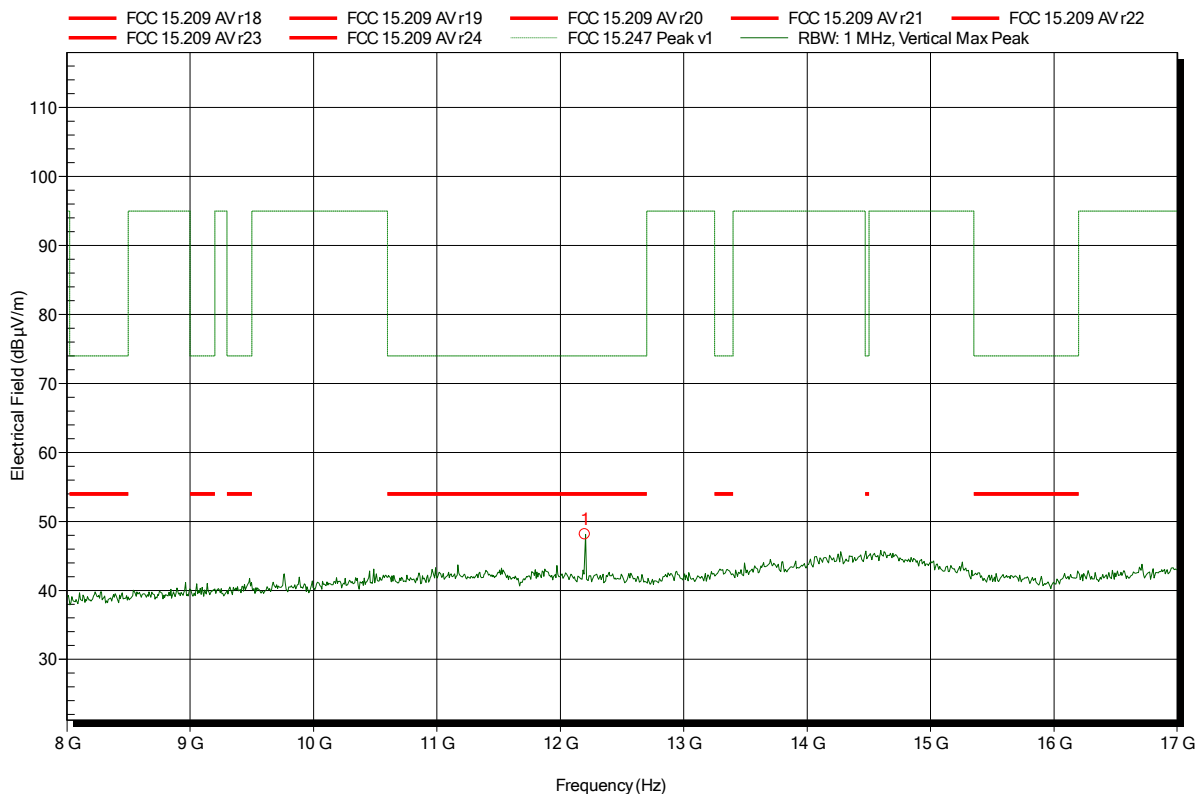
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.882 GHz | 54.88 dBµV/m | 74 dBµV/m | -19.12 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.882 GHz | 49.25 dBµV/m | 54 dBµV/m | -4.75 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 12.2 GHz | 48.12 dBµV/m | 74 dBµV/m | -25.88 dB | Pass |

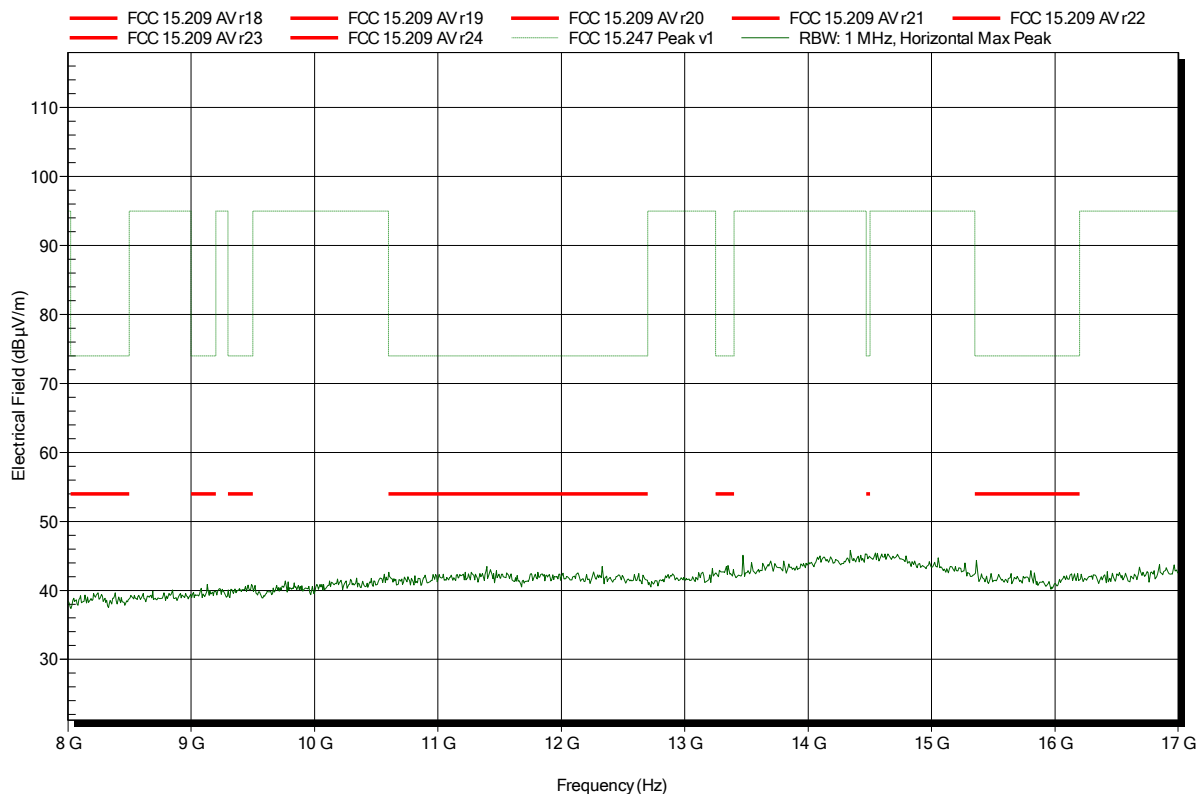
Frequency
 12.2 GHz

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 1 m converted to 3m
 Mode: TX; GFSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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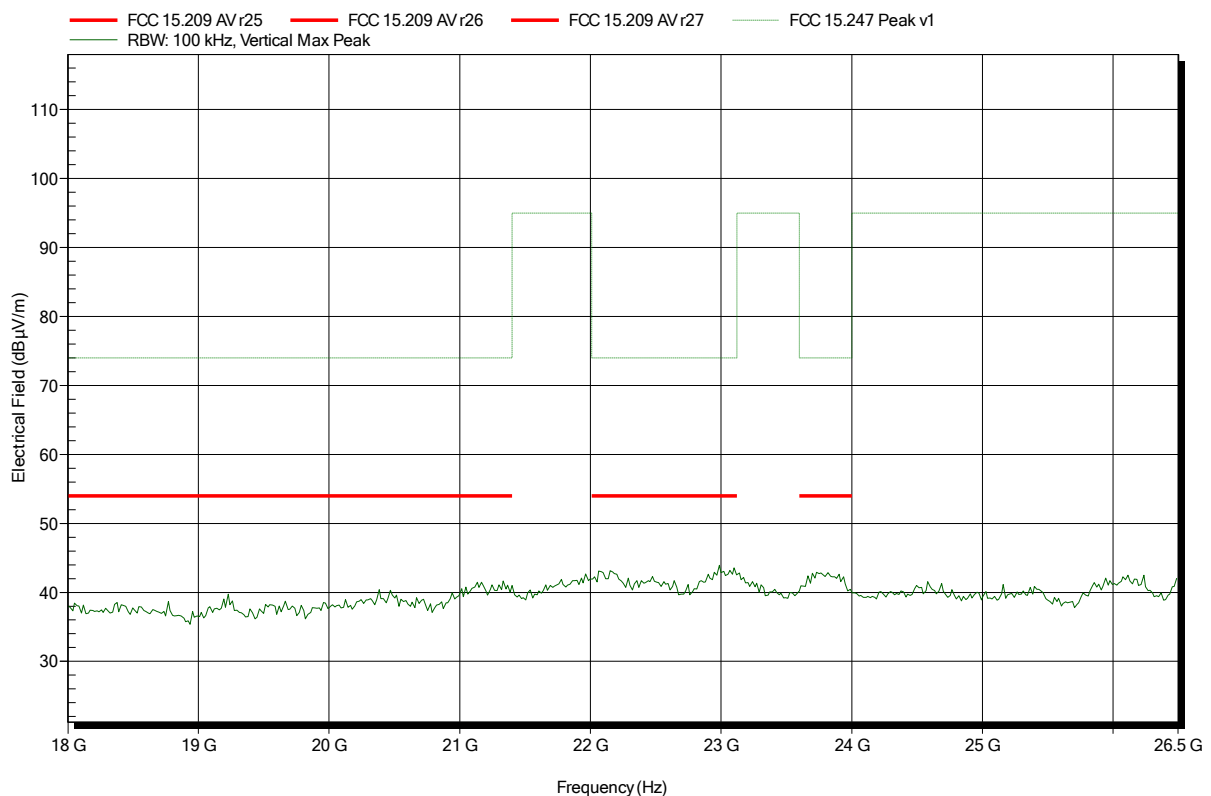


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Vertical |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 39 |
| Test Date: | 2014-06-25 |
| Note: | |

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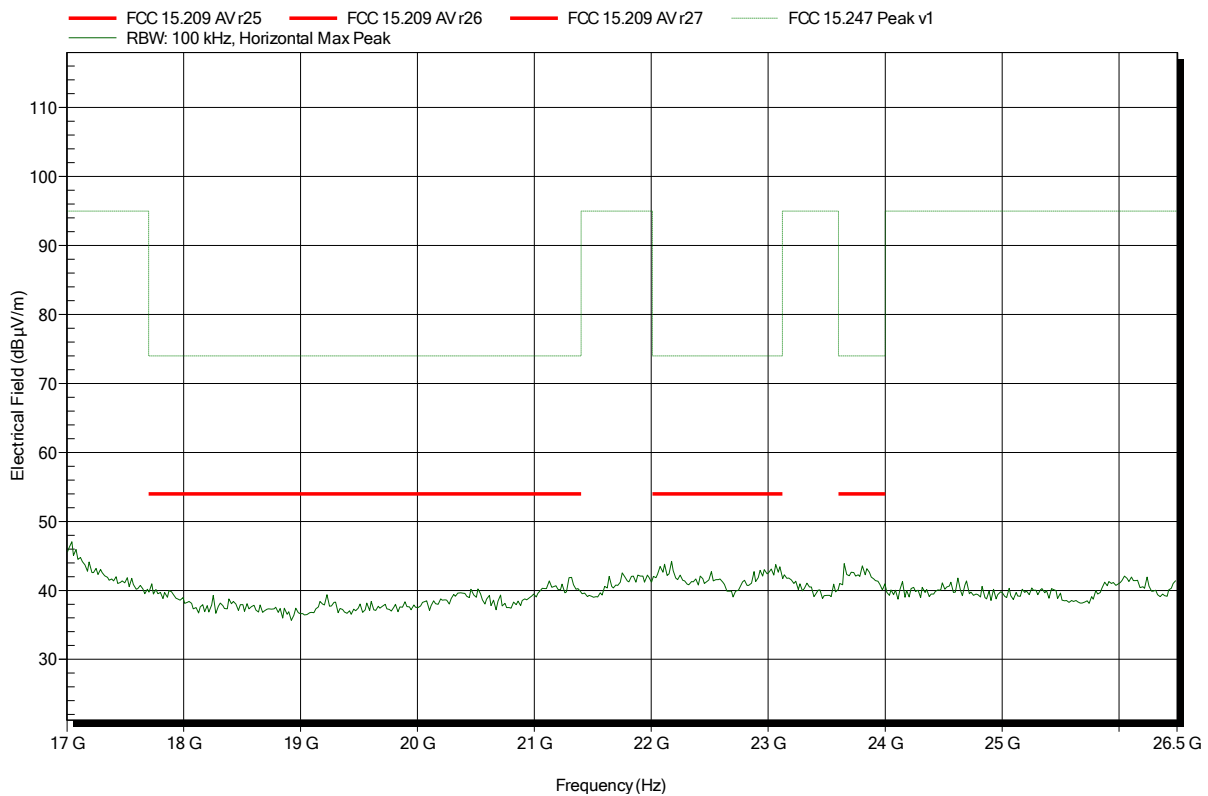


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Horizontal |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 39 |
| Test Date: | 2014-06-25 |
| Note: | |

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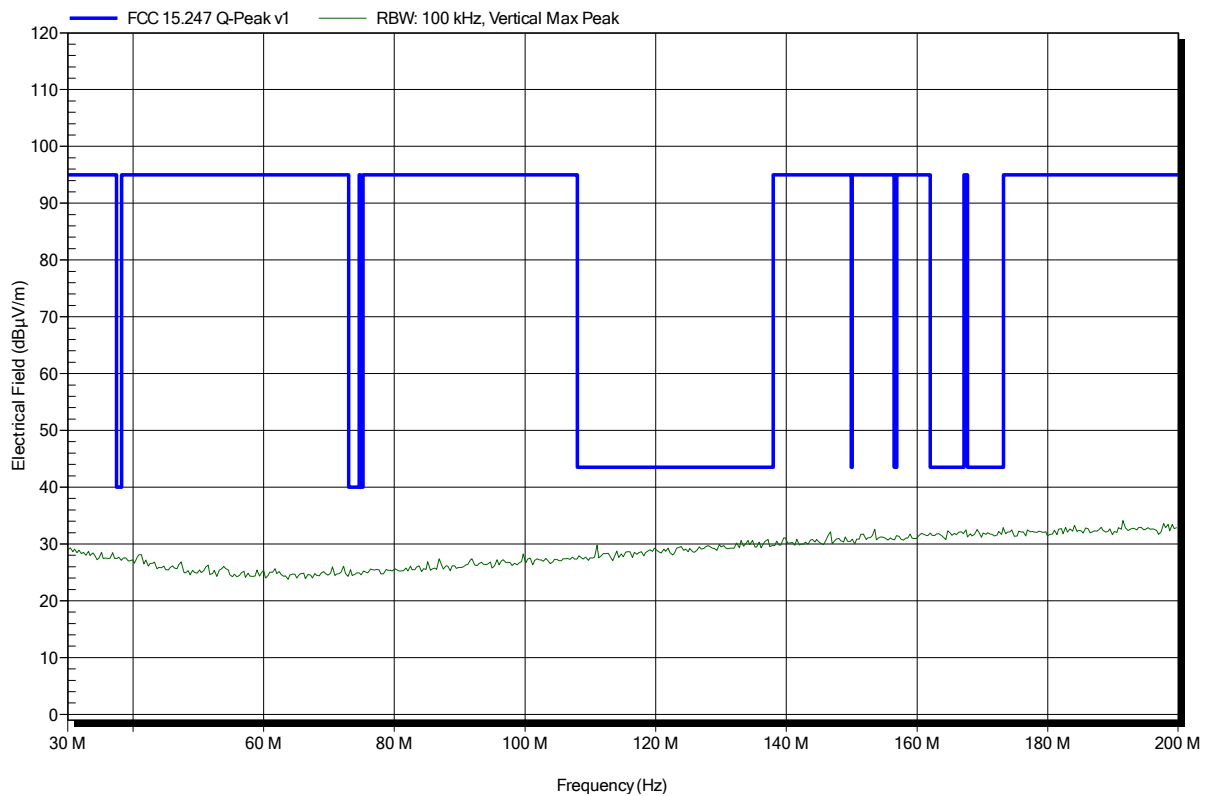


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HK 116, Vertical |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | worst case |

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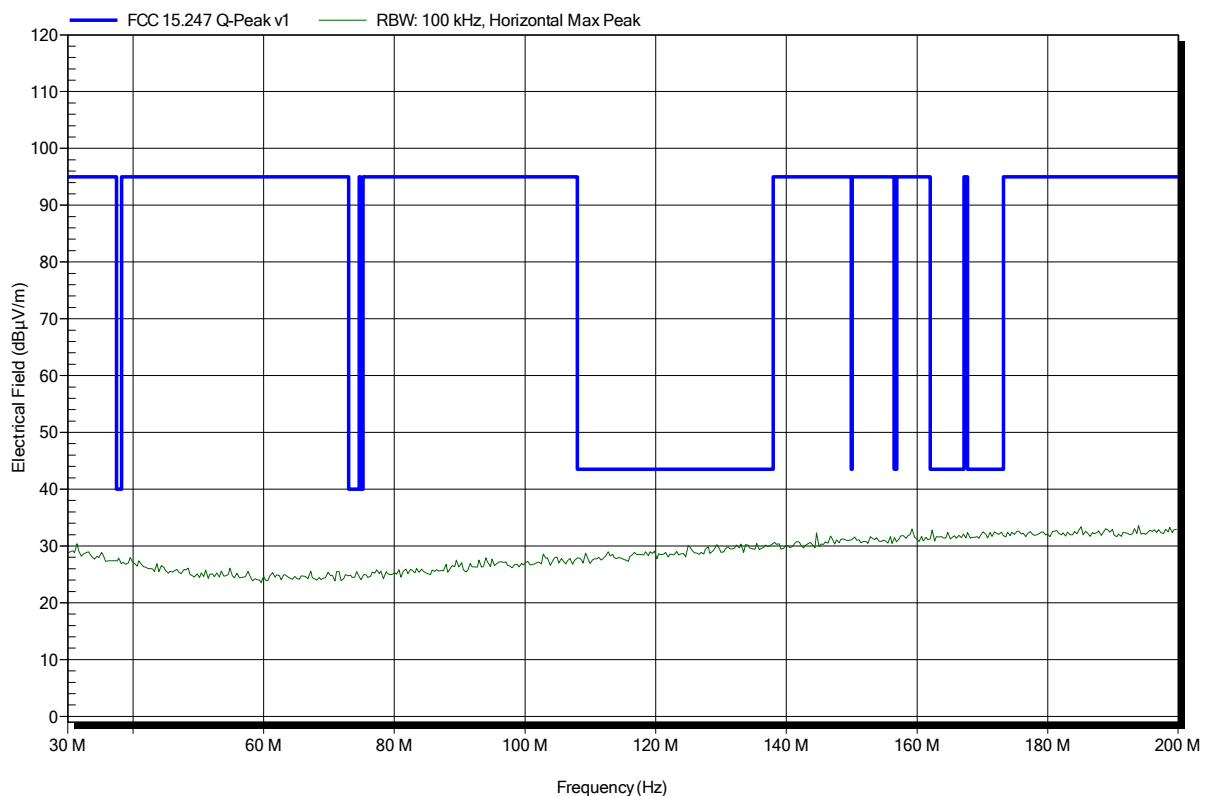


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HK 116, Horizontal |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | worst case |

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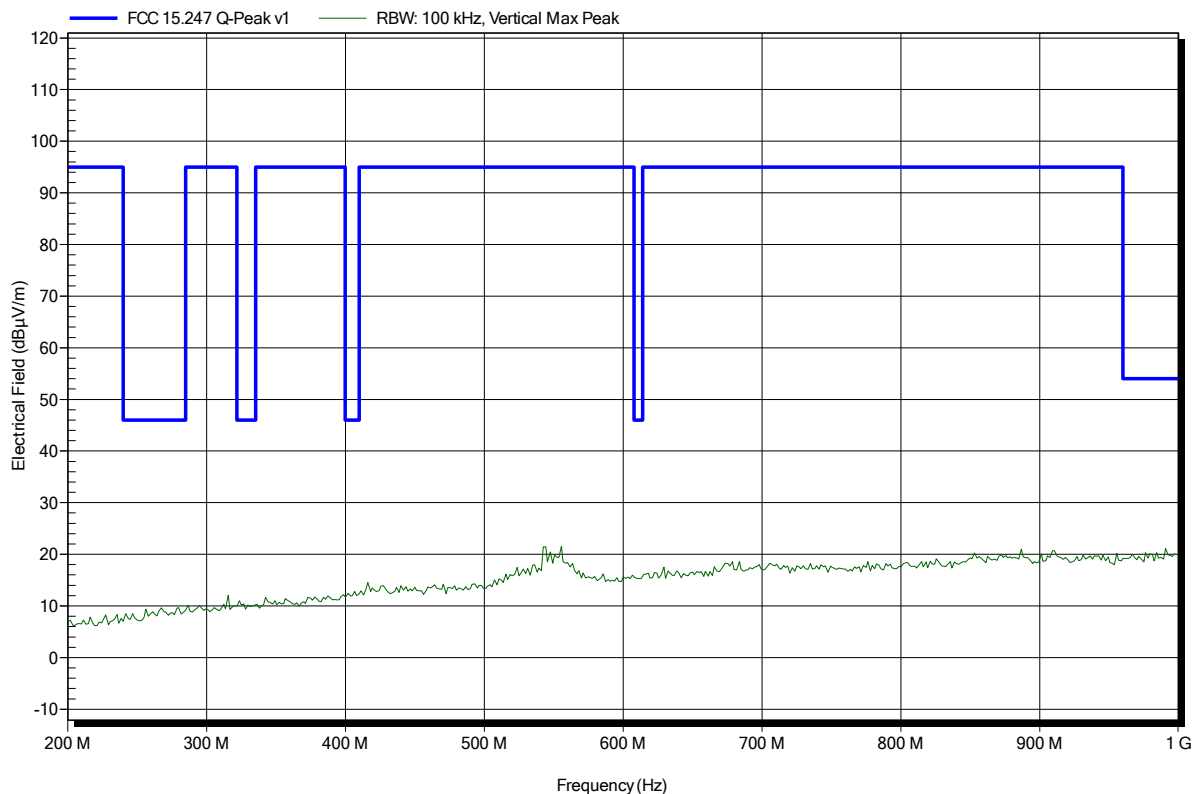


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 223, Vertical |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | worst case |

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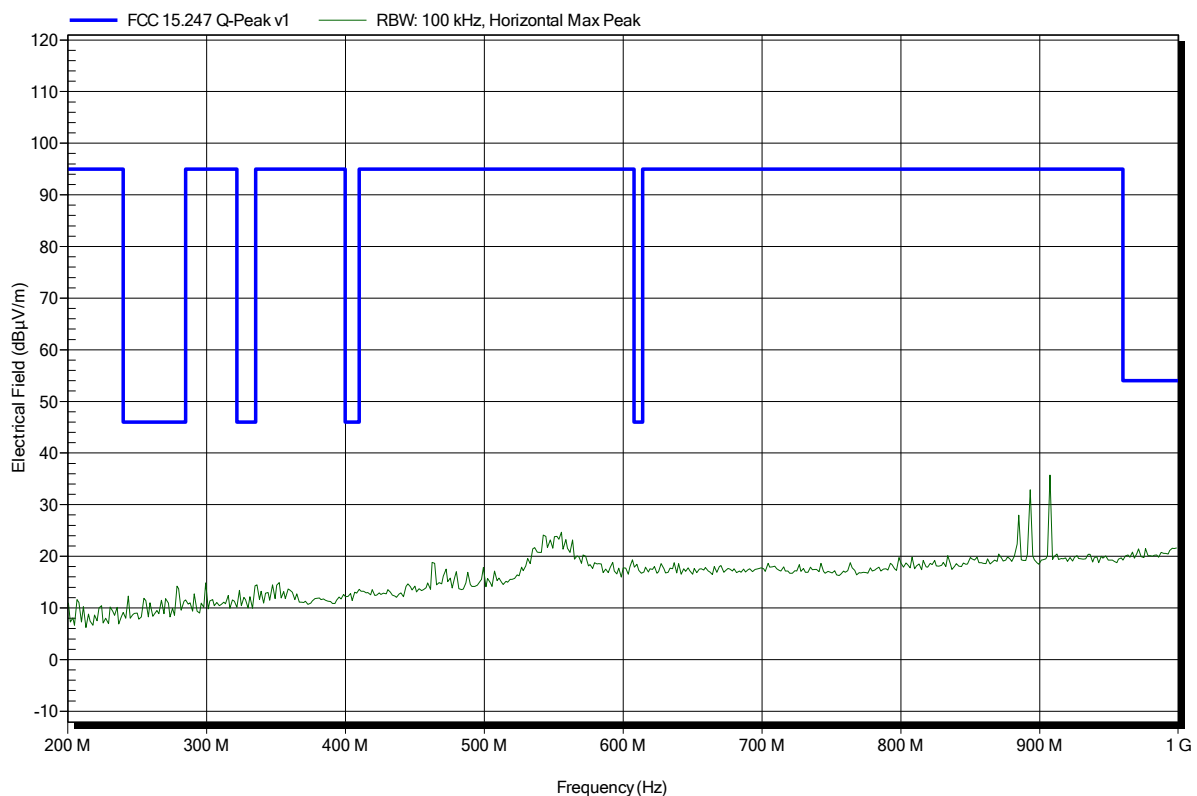


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 223, Horizontal |
| Measurement distance: | 3 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | worst case |

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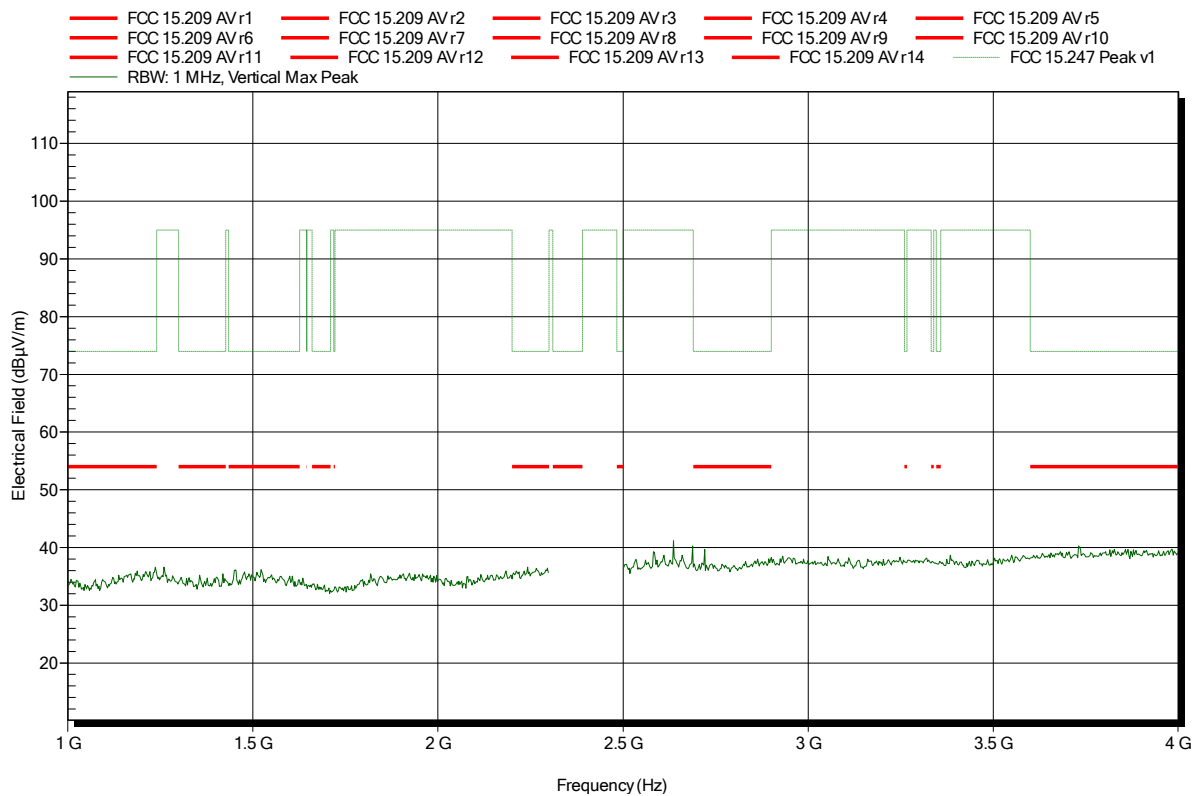


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-25
 Note:

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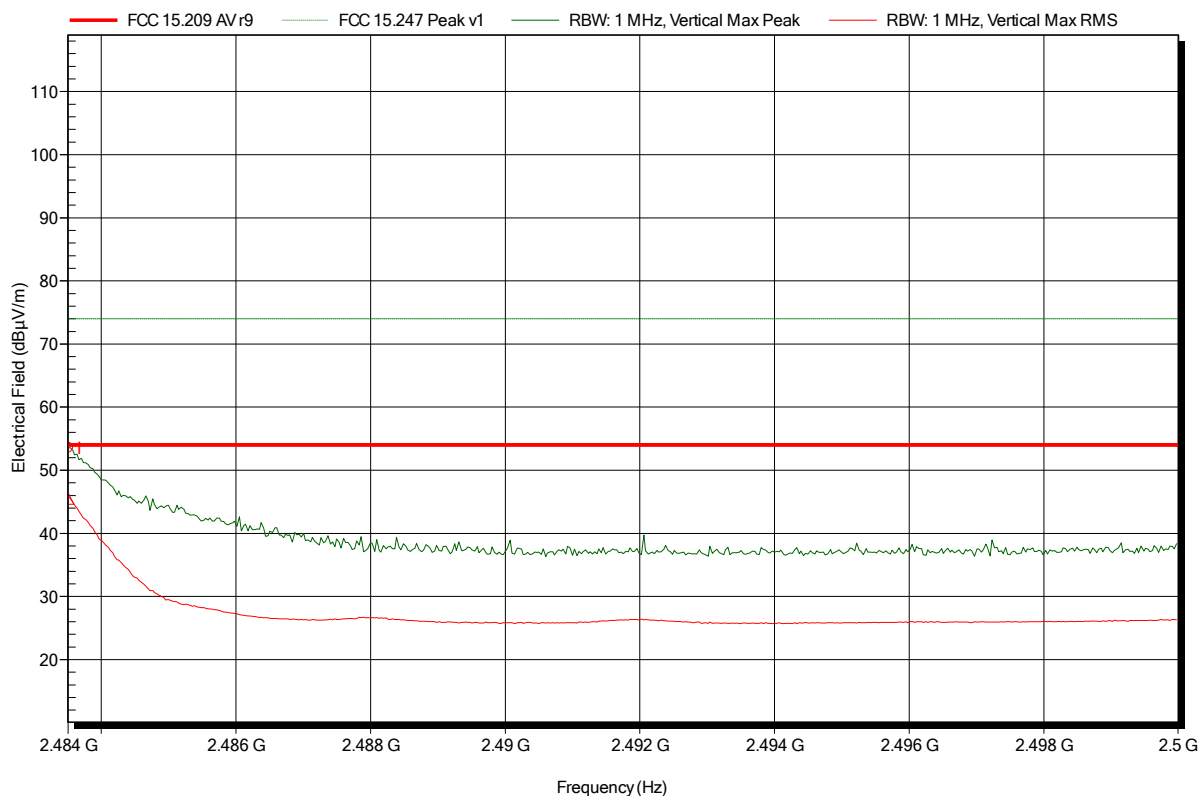


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-25
 Note: upper bandedge

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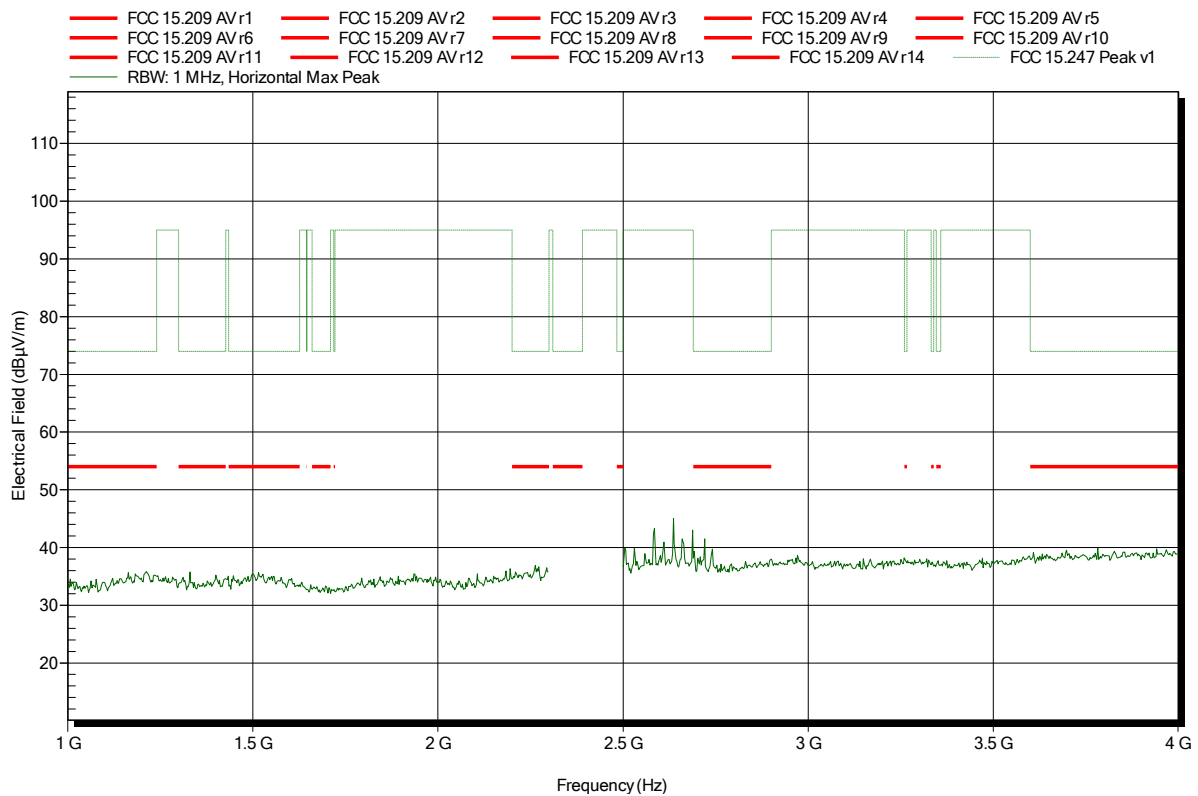
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|------------|--------------|------------|-----------------|-------------|
| 2.4835 GHz | 53.57 dBµV/m | 74 dBµV/m | -20.43 dB | Pass |
| Frequency | RMS | RMS Limit | RMS Difference | RMS Status |
| 2.4835 GHz | 45.5 dBµV/m | 54 dBµV/m | -8.5 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-24
 Note:

Index 10

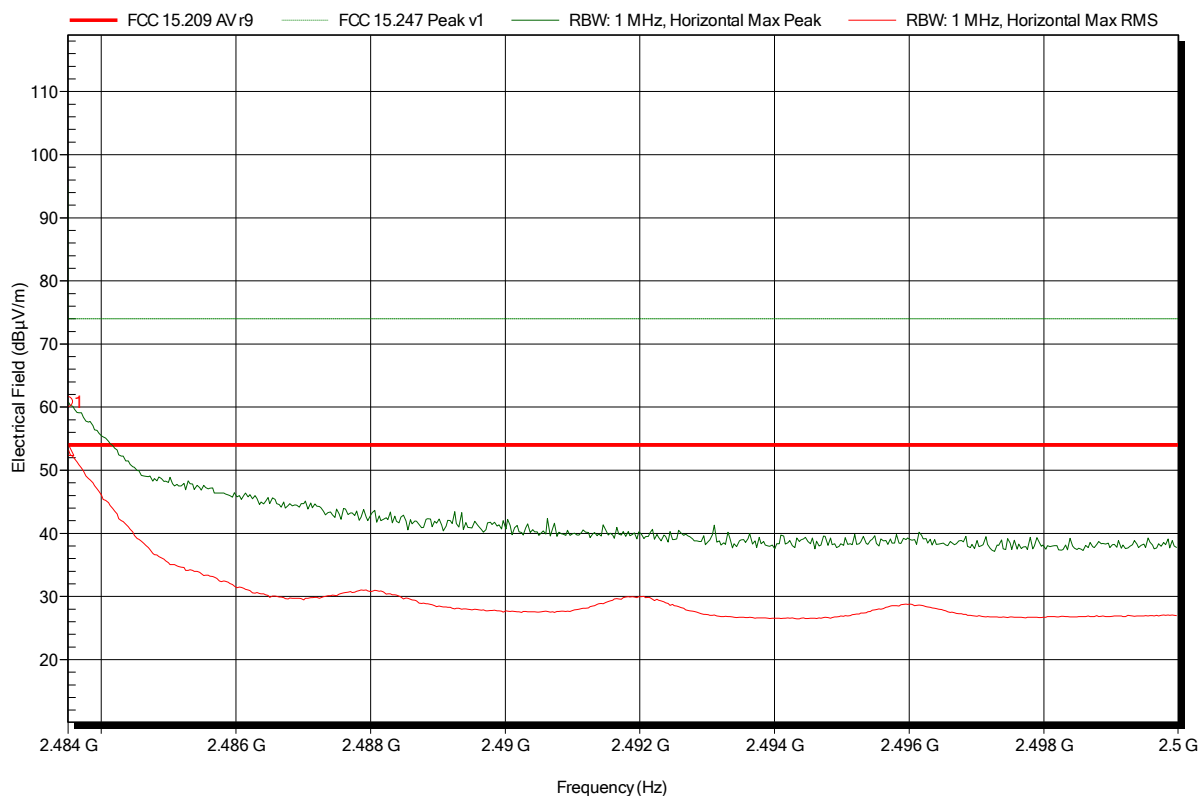


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-24
 Note: upper bandedge

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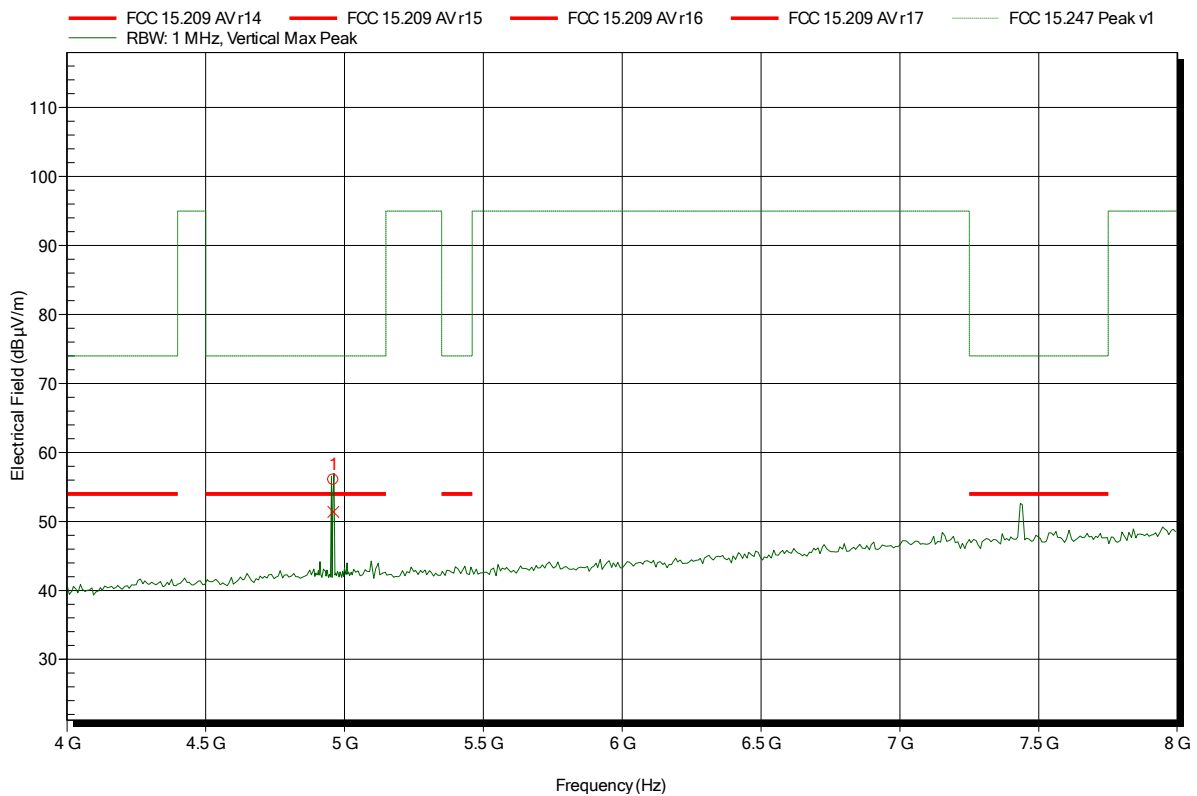
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|------------|--------------|------------|-----------------|-------------|
| 2.4835 GHz | 60.79 dBµV/m | 74 dBµV/m | -13.21 dB | Pass |
| Frequency | RMS | RMS Limit | RMS Difference | RMS Status |
| 2.4835 GHz | 53.26 dBµV/m | 54 dBµV/m | -0.74 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-25
 Note:

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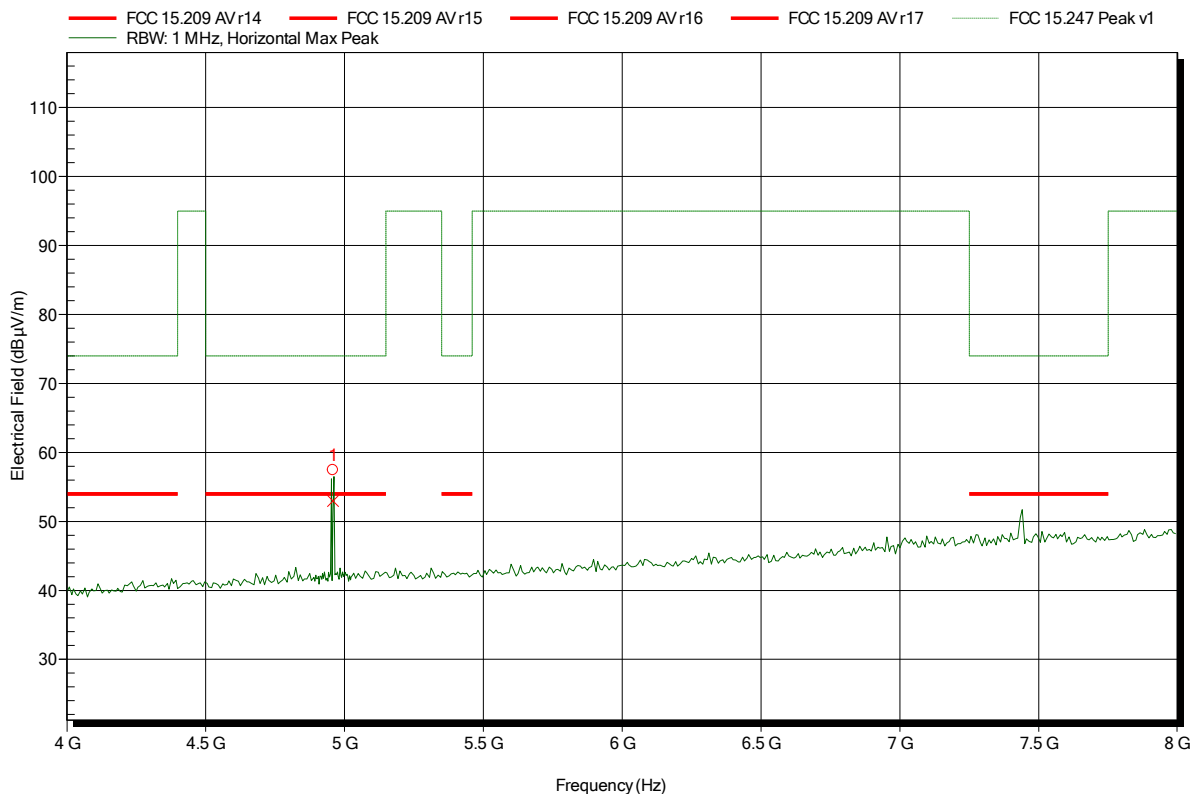
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.96 GHz | 56.03 dBµV/m | 74 dBµV/m | -17.97 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.96 GHz | 51.37 dBµV/m | 54 dBµV/m | -2.63 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-24
 Note:

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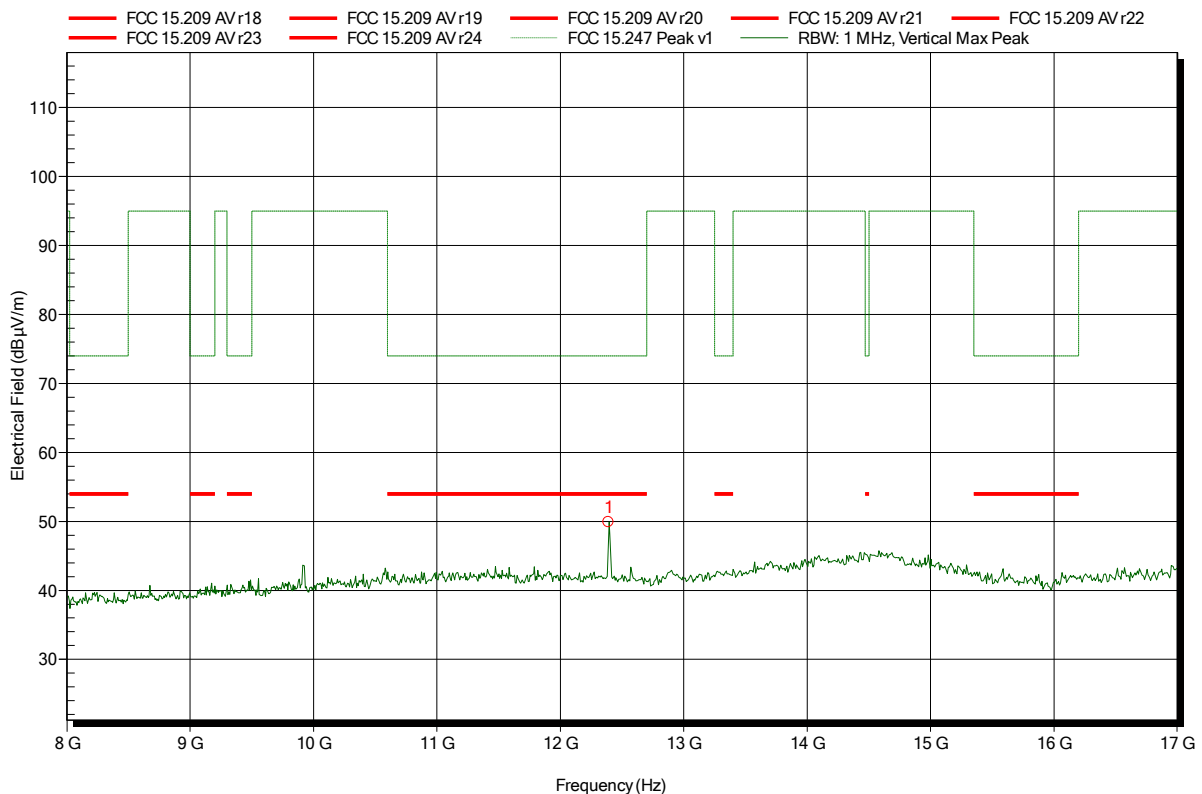
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.96 GHz | 57.45 dBµV/m | 74 dBµV/m | -16.55 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.96 GHz | 52.96 dBµV/m | 54 dBµV/m | -1.04 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 1 m converted to 3m
 Mode: TX; GFSK; Ch.: 78
 Test Date: 2014-06-25
 Note:

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| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 12.39 GHz | 49.88 dBµV/m | 74 dBµV/m | -24.12 dB | Pass |

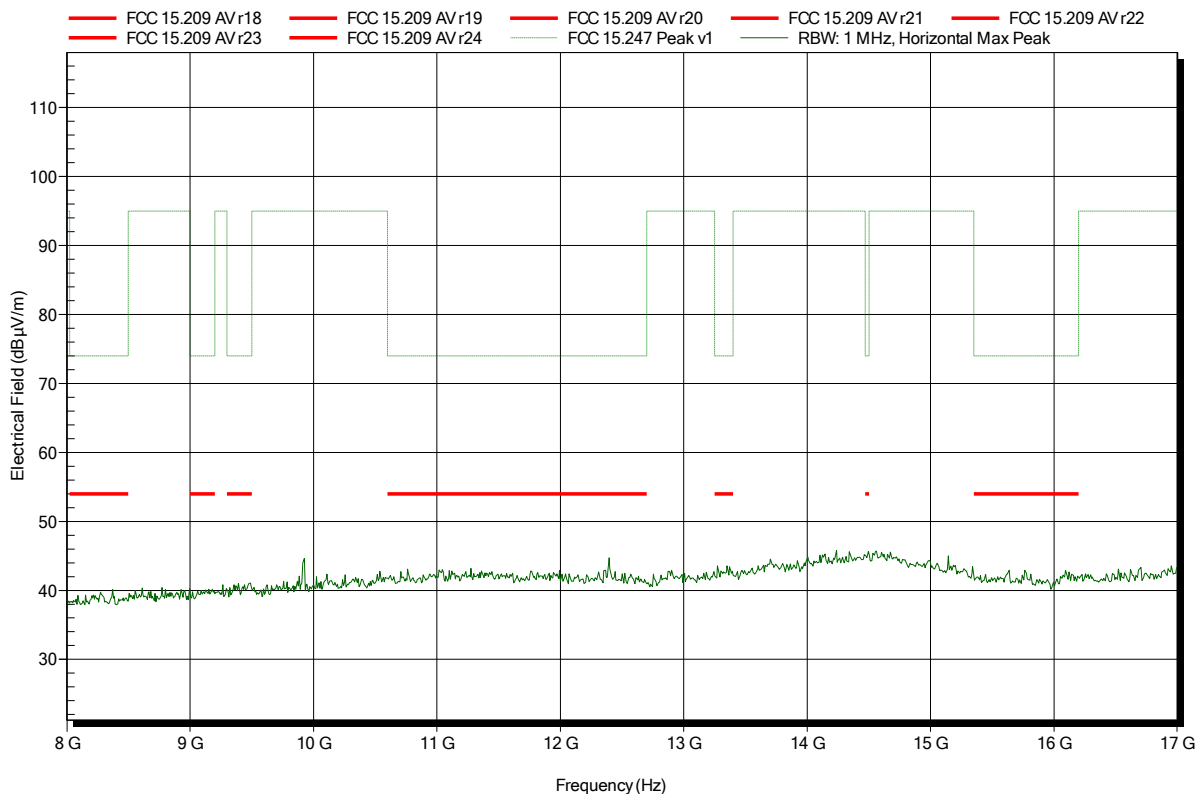
Frequency
 12.39 GHz

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 1 m converted to 3m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | |

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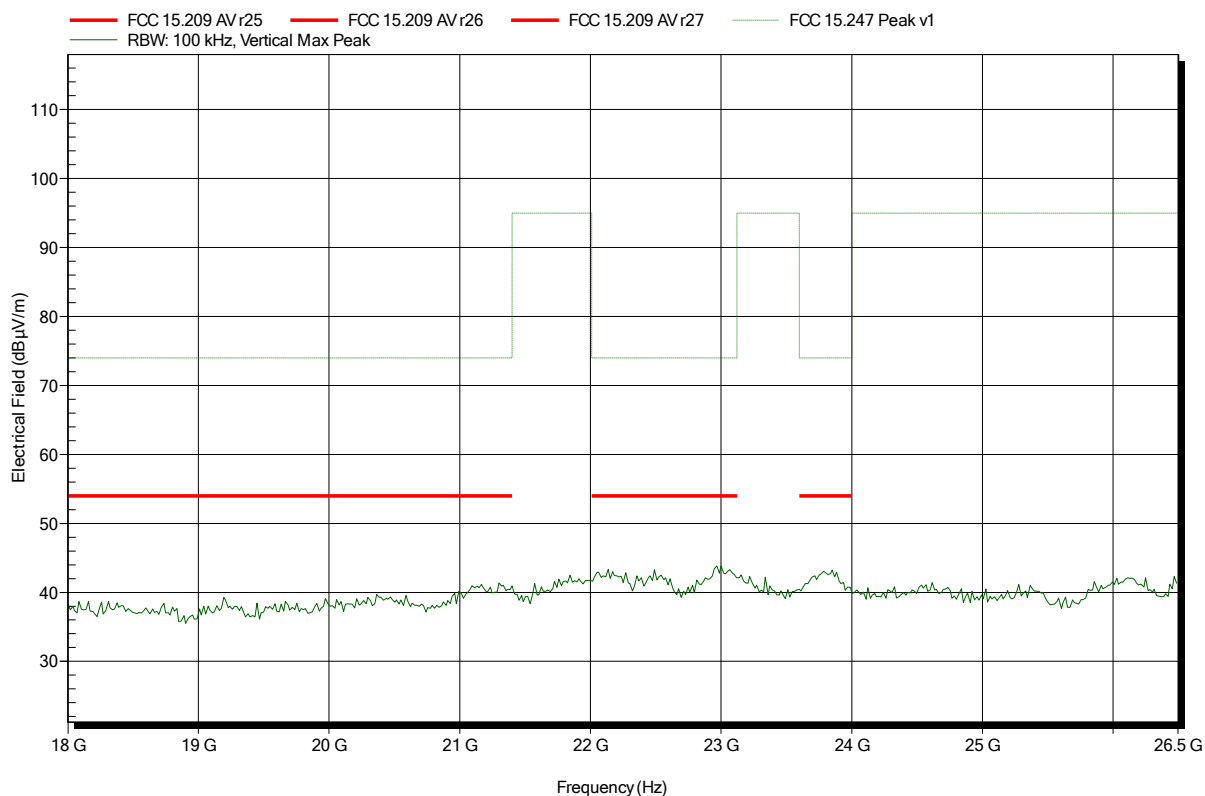


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Vertical |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | |

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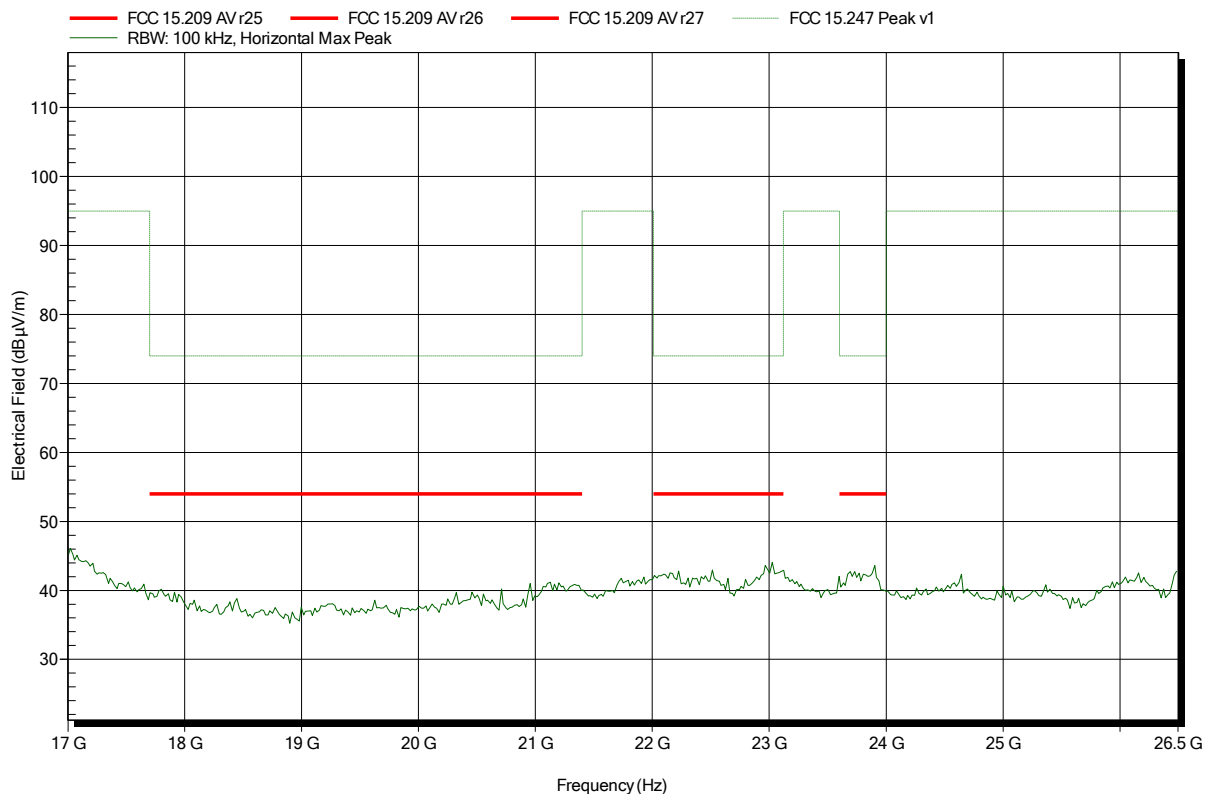


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 025, Horizontal |
| Measurement distance: | 1 m |
| Mode: | TX; GFSK; Ch.: 78 |
| Test Date: | 2014-06-25 |
| Note: | |

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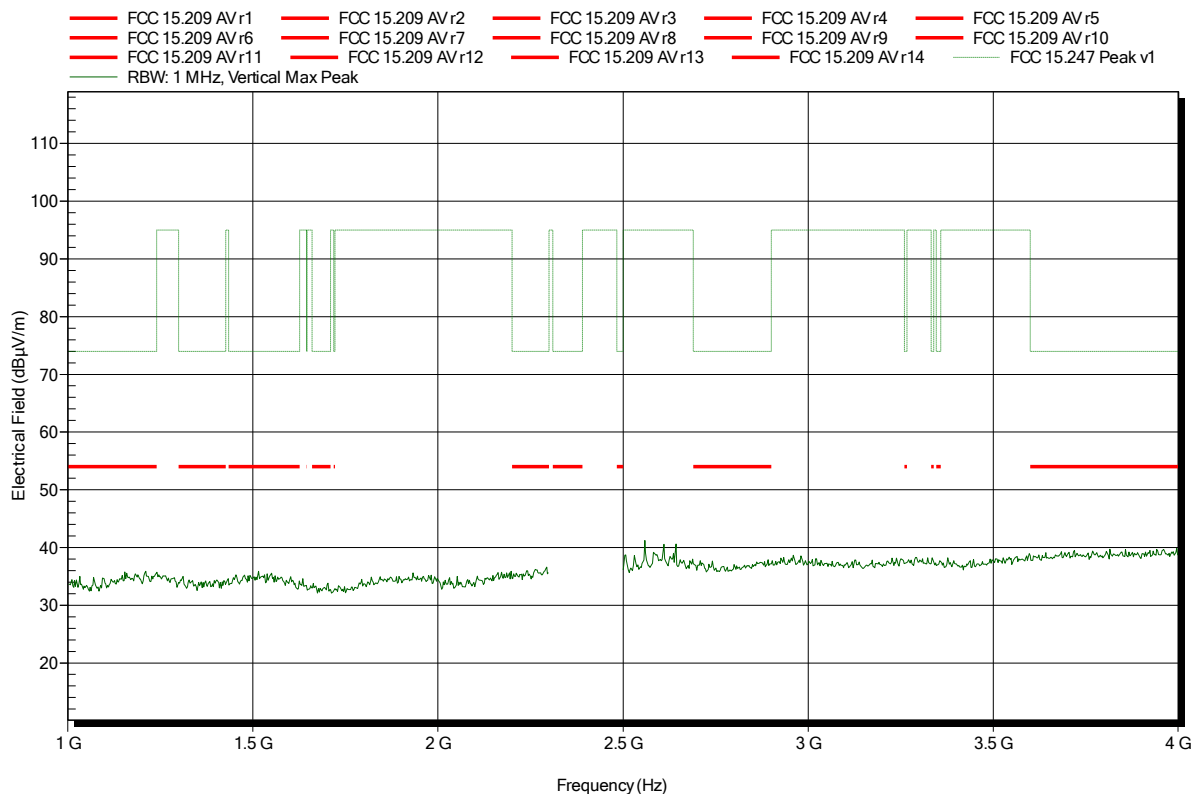


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 0
 Test Date: 2014-06-25
 Note:

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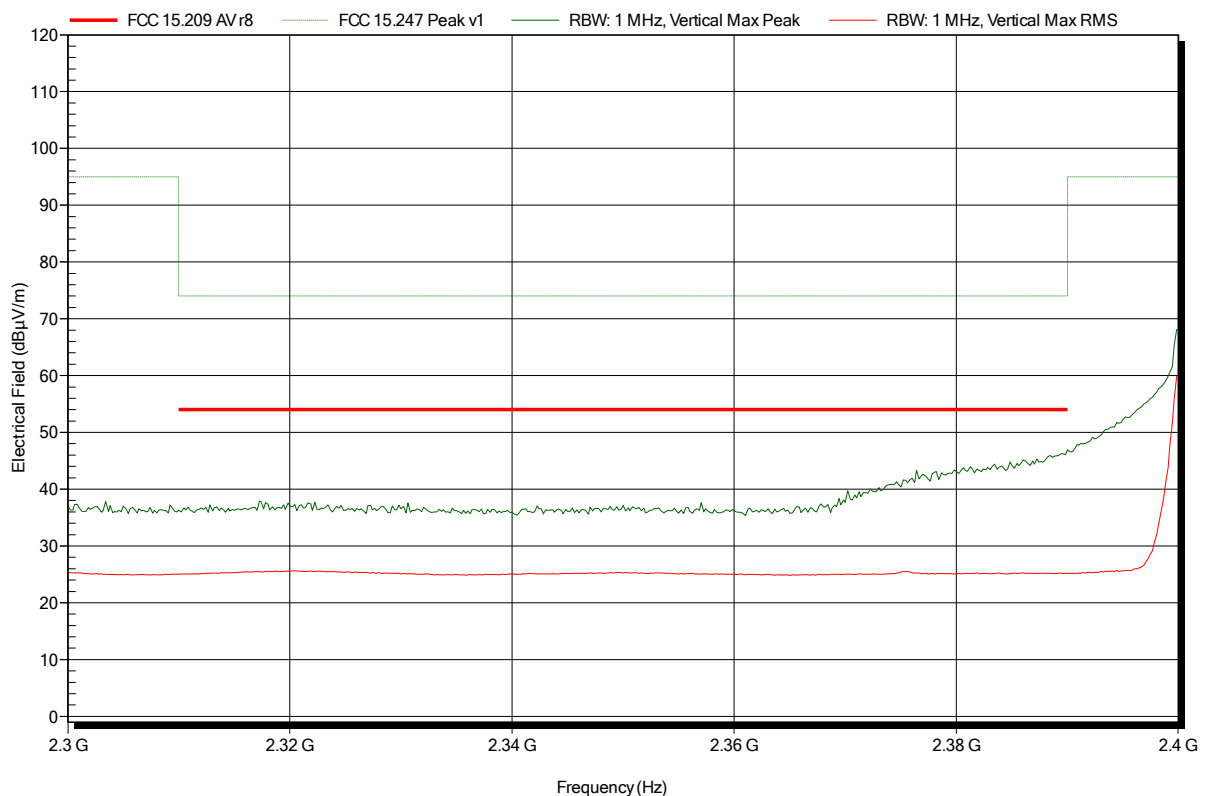


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Vertical |
| Measurement distance: | 3 m |
| Mode: | TX; 8DPSK; Ch.: 0 |
| Test Date: | 2014-06-25 |
| Note: | lower bandedge |

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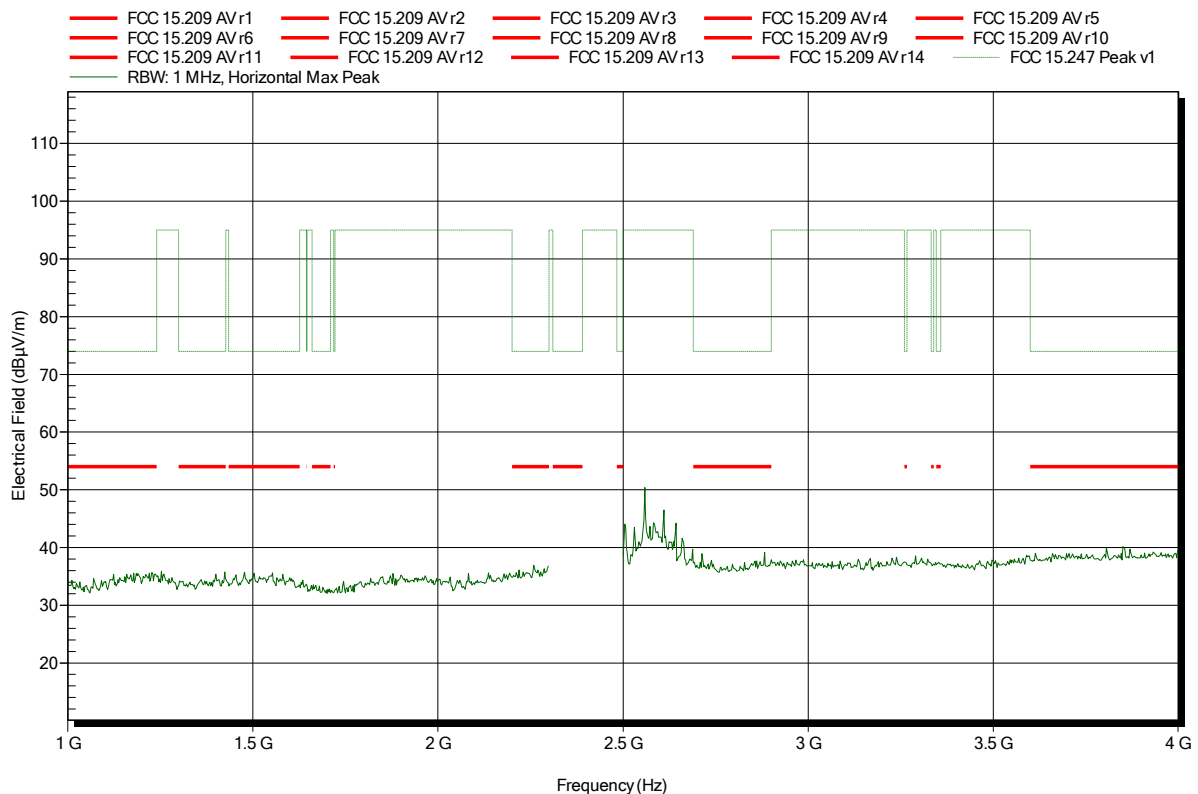


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 0
 Test Date: 2014-06-24
 Note:

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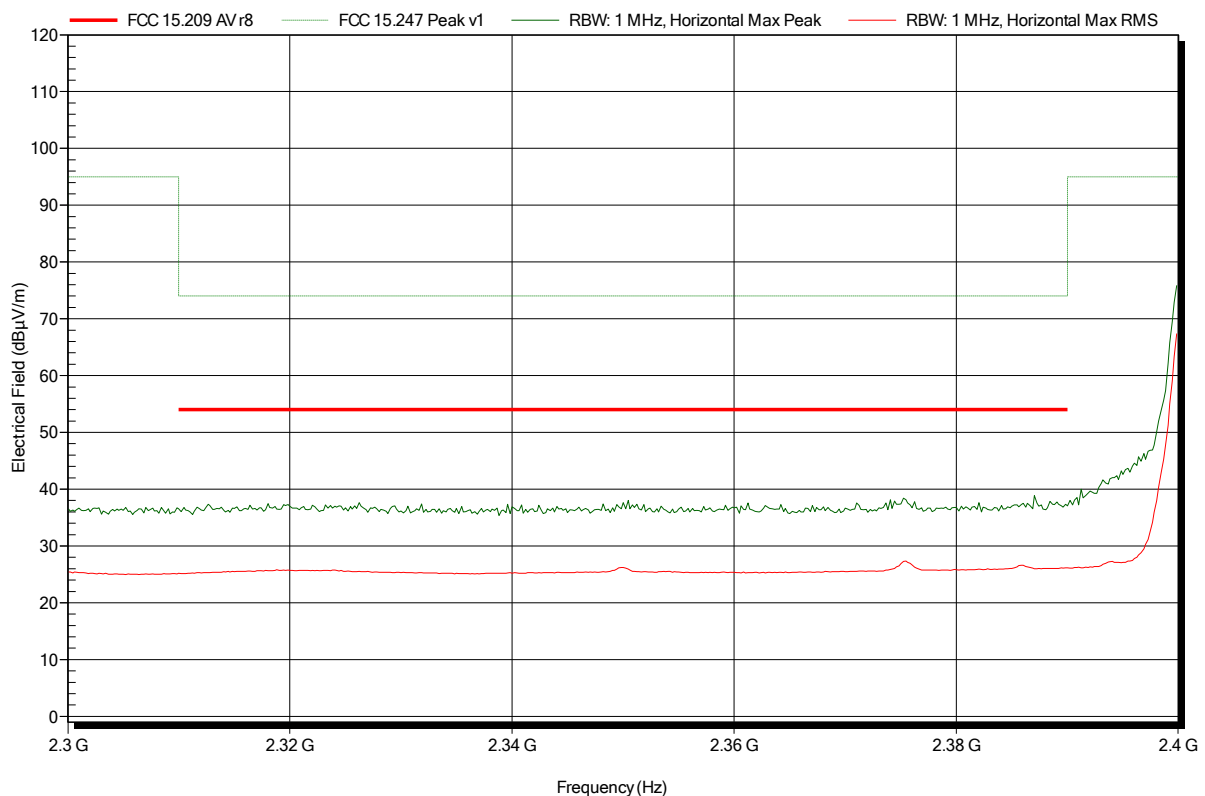


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 3 m |
| Mode: | TX; 8DPSK; Ch.: 0 |
| Test Date: | 2014-06-24 |
| Note: | lower bandedge |

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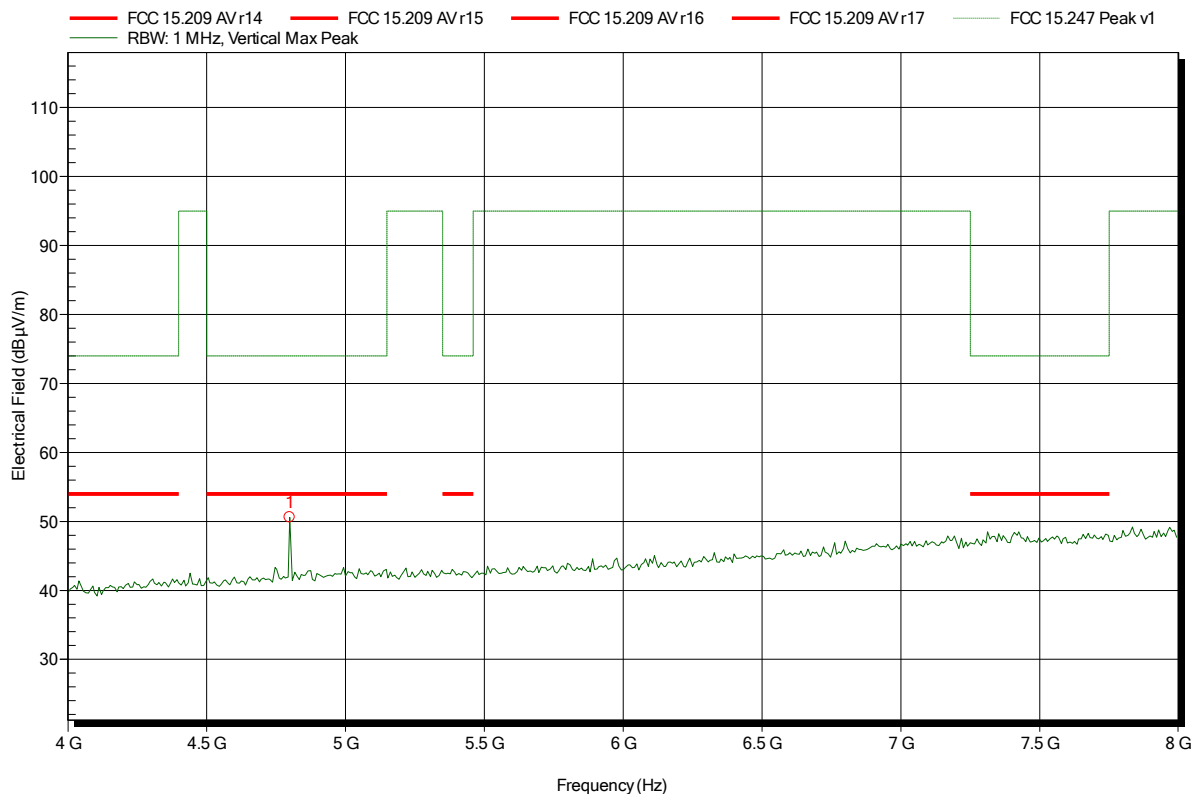


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 0
 Test Date: 2014-06-25
 Note:

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| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 4.8 GHz | 50.58 dBµV/m | 74 dBµV/m | -23.42 dB | Pass |

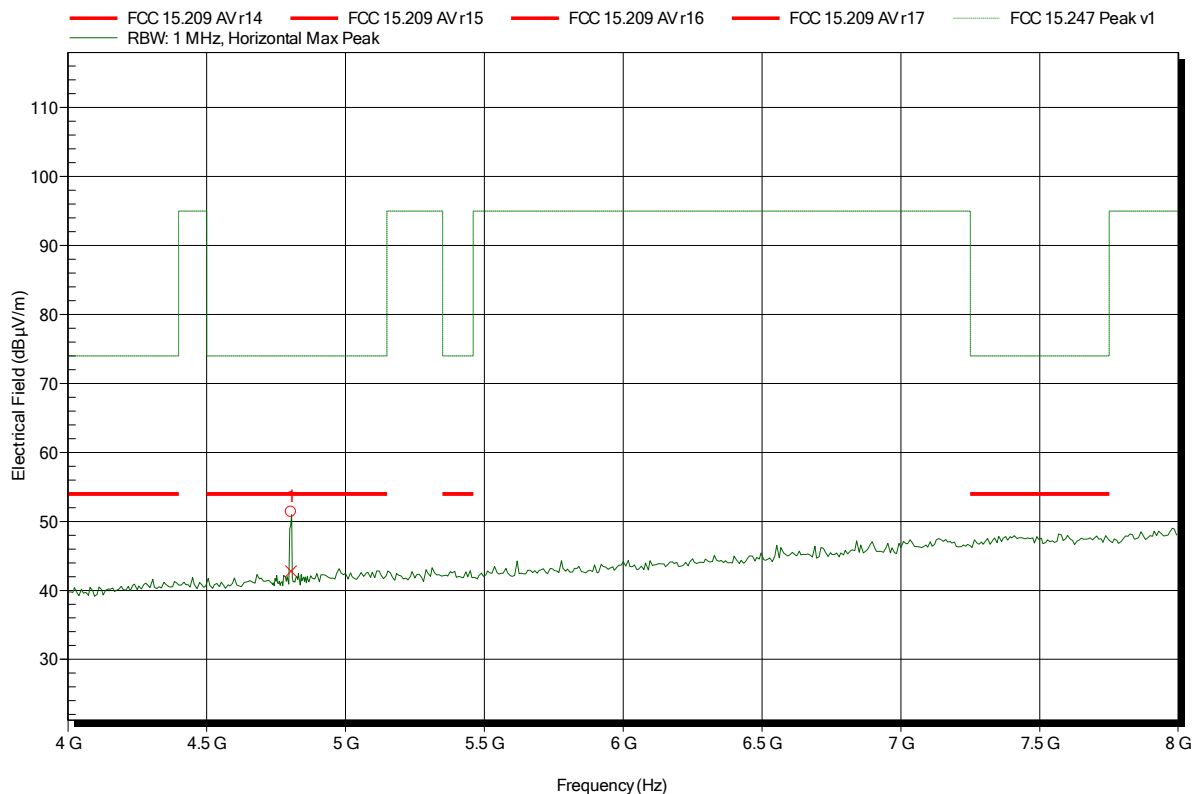
Frequency
 4.8 GHz

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 0
 Test Date: 2014-06-24
 Note:

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| | | | | |
|-----------|--------------|---------------|--------------------|----------------|
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
| 4.804 GHz | 51.39 dBµV/m | 74 dBµV/m | -22.61 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.804 GHz | 42.76 dBµV/m | 54 dBµV/m | -11.24 dB | Pass |

Test Report No.: G0M-1406-3920-TFC247BT-V01

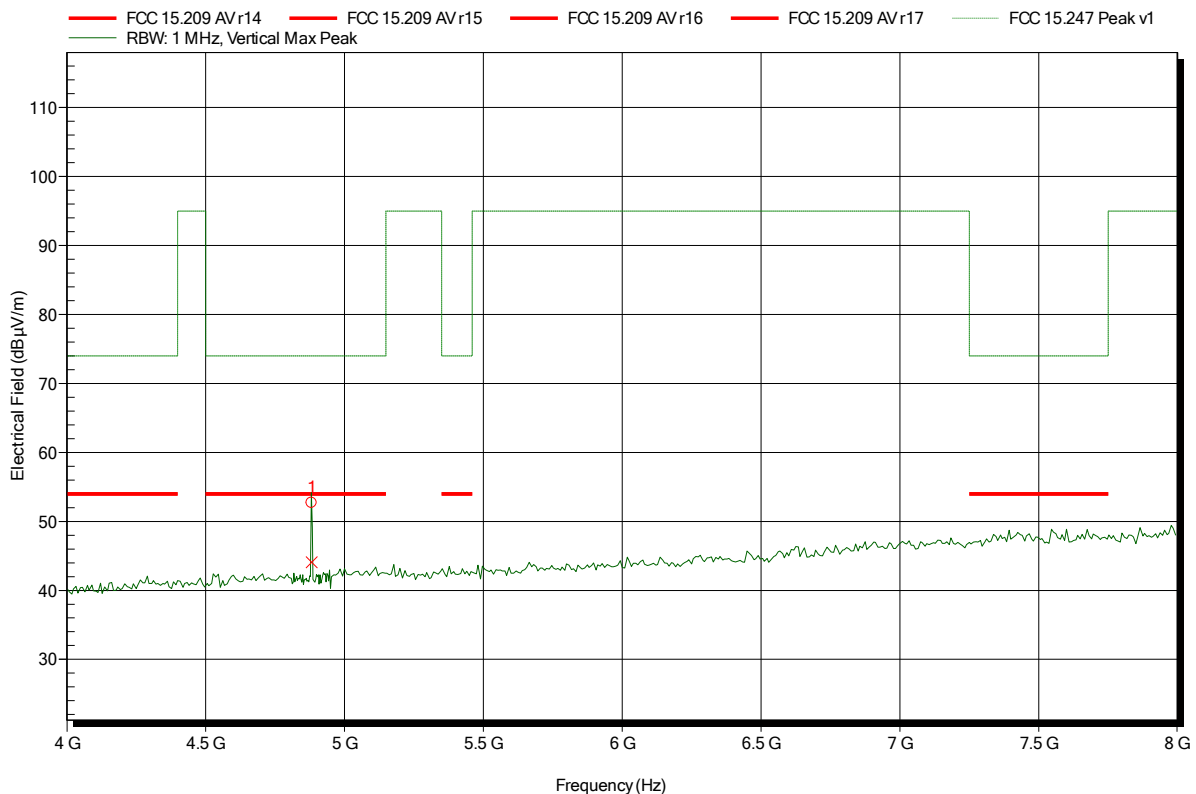
 Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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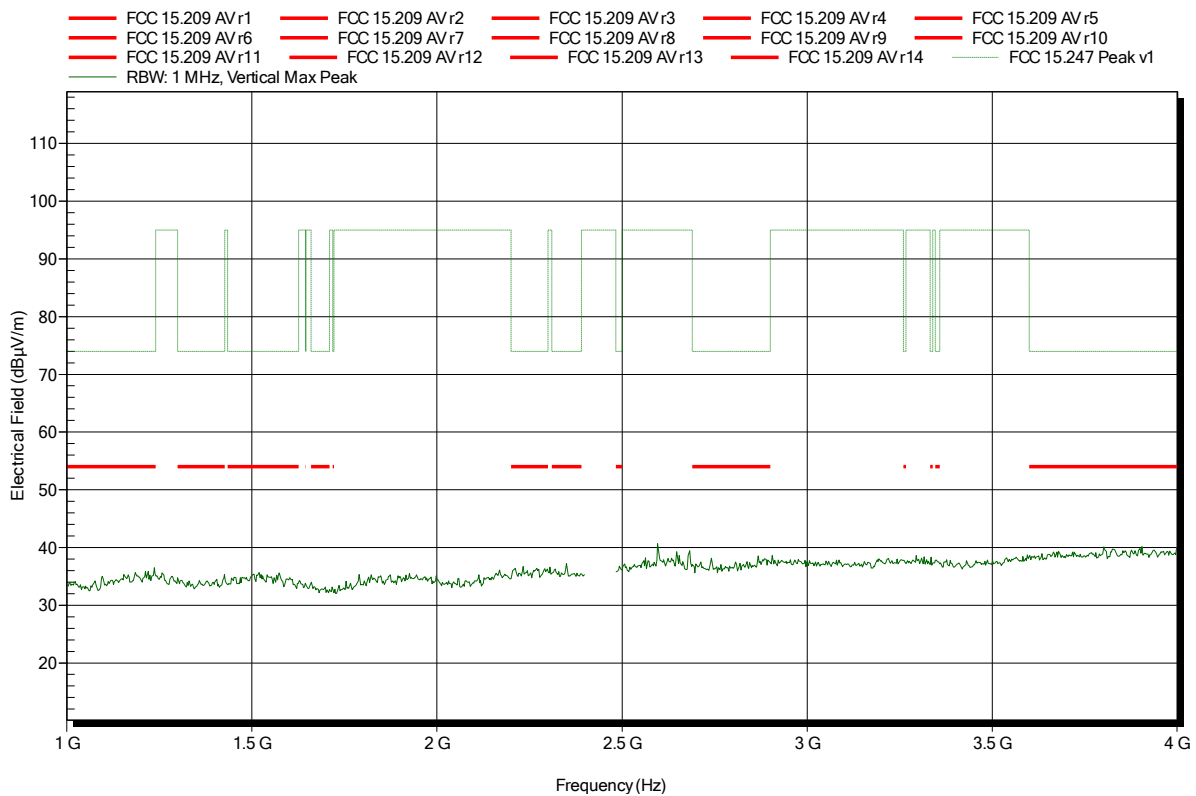
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.882 GHz | 52.68 dBµV/m | 74 dBµV/m | -21.32 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.882 GHz | 44.08 dBµV/m | 54 dBµV/m | -9.92 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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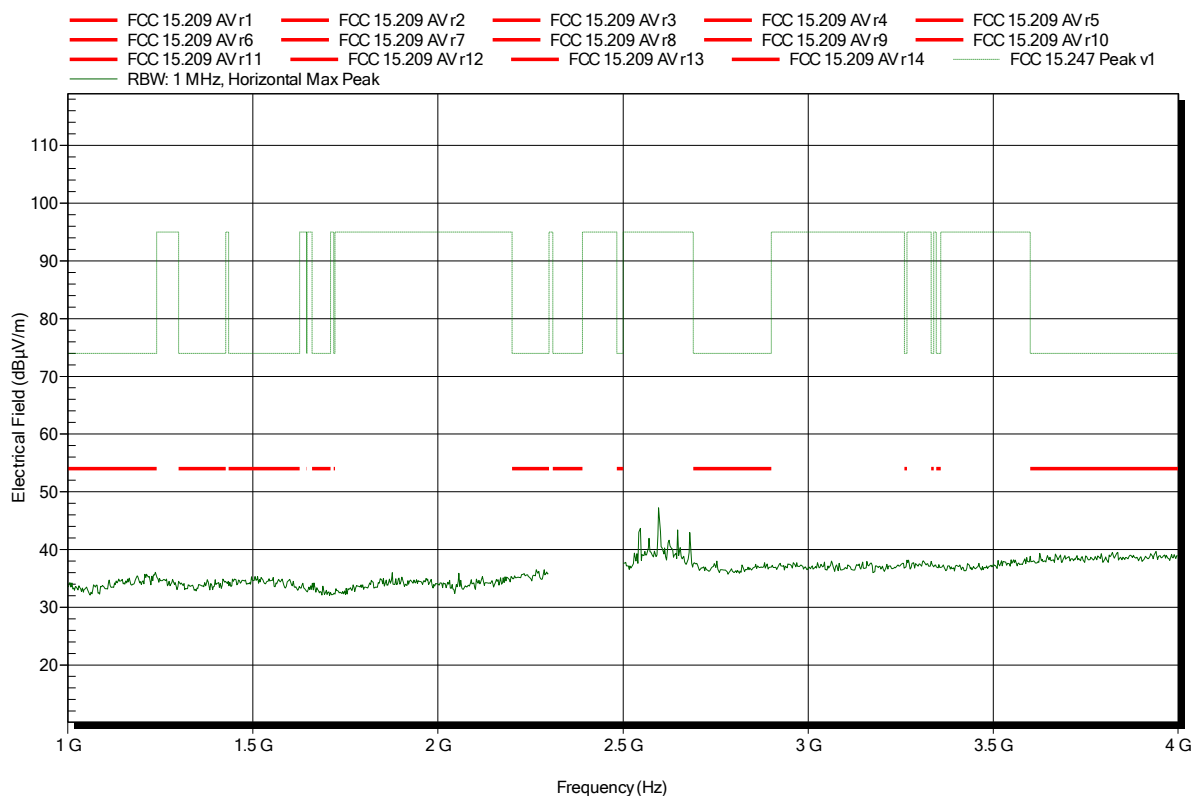


Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 39
 Test Date: 2014-06-24
 Note:

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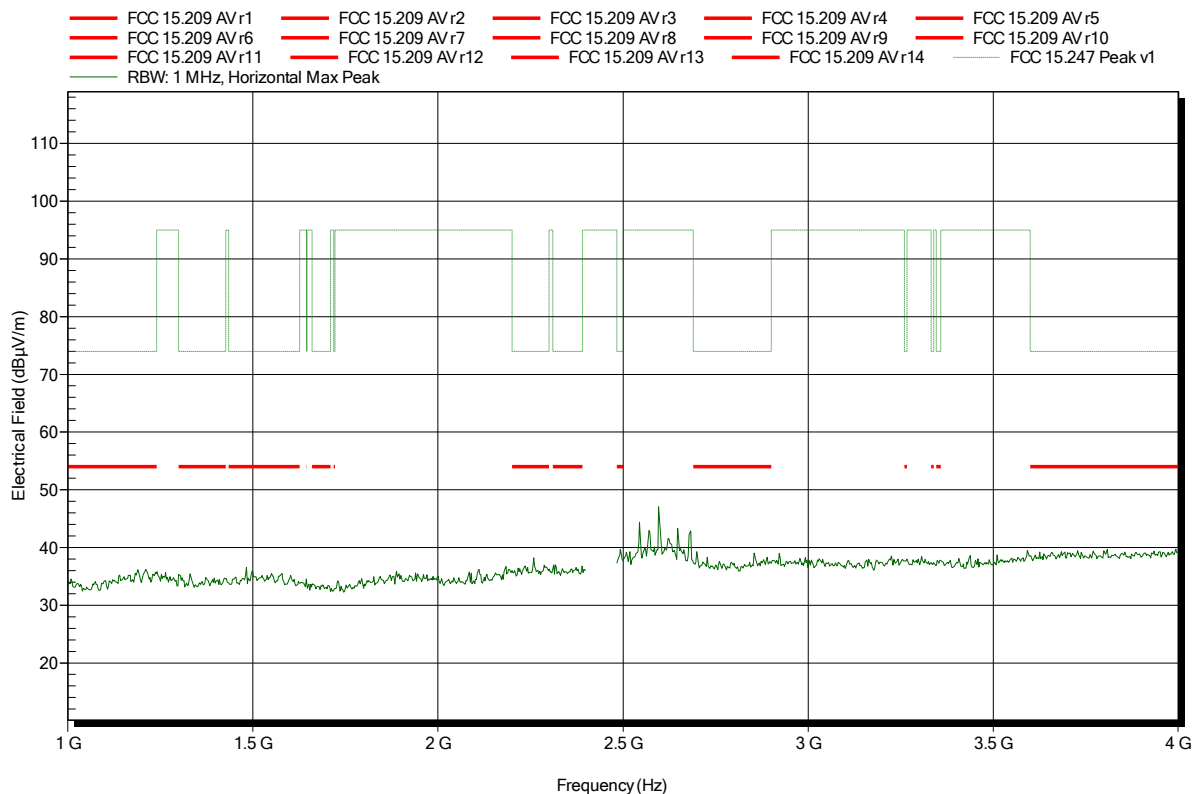


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 39
 Test Date: 2014-06-25
 Note:

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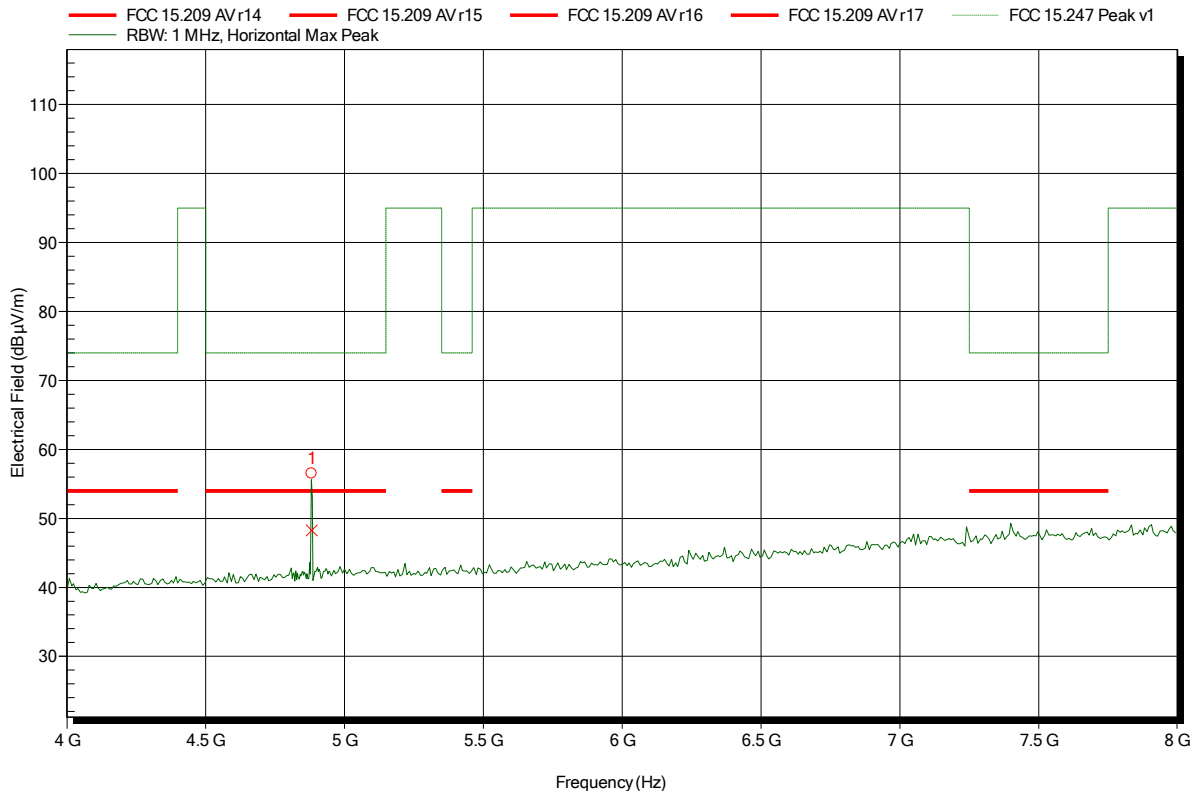


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 39
 Test Date: 2014-06-24
 Note:

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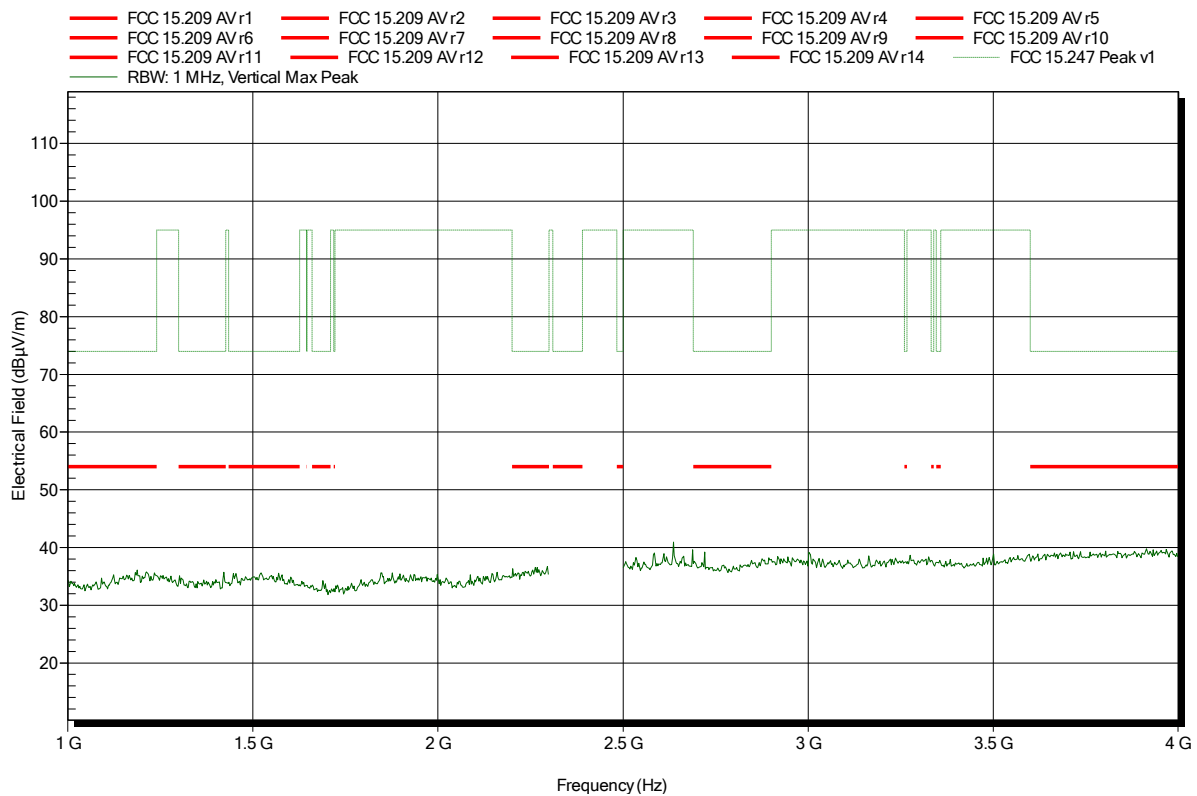
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|---------------|--------------------|----------------|
| 4.882 GHz | 56.48 dBµV/m | 74 dBµV/m | -17.52 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.882 GHz | 48.27 dBµV/m | 54 dBµV/m | -5.73 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: GOM-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-25
 Note:

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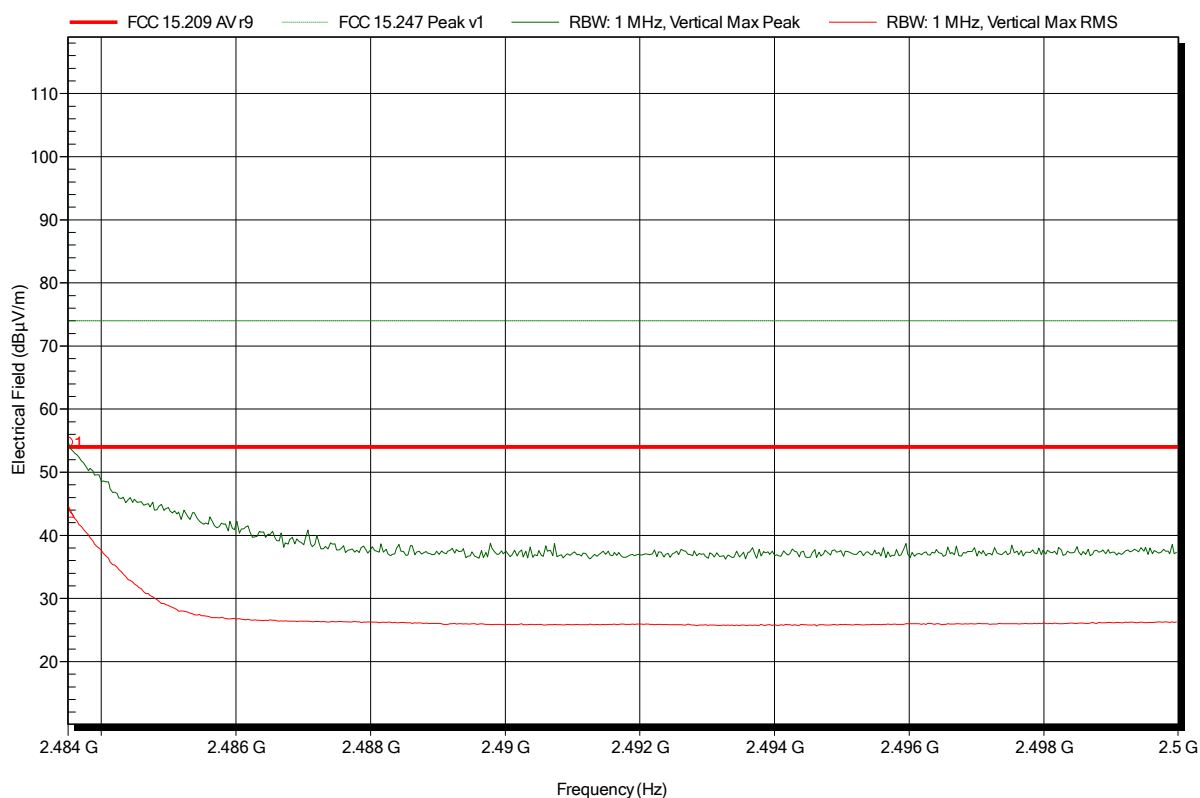


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-25
 Note: upper bandedge

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| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|------------|-------------|------------|-----------------|-------------|
| 2.4835 GHz | 54.7 dBµV/m | 74 dBµV/m | -19.3 dB | Pass |

| Frequency | RMS | RMS Limit | RMS Difference | RMS Status |
|------------|--------------|-----------|----------------|------------|
| 2.4835 GHz | 43.79 dBµV/m | 54 dBµV/m | -10.21 dB | Pass |

Test Report No.: G0M-1406-3920-TFC247BT-V01

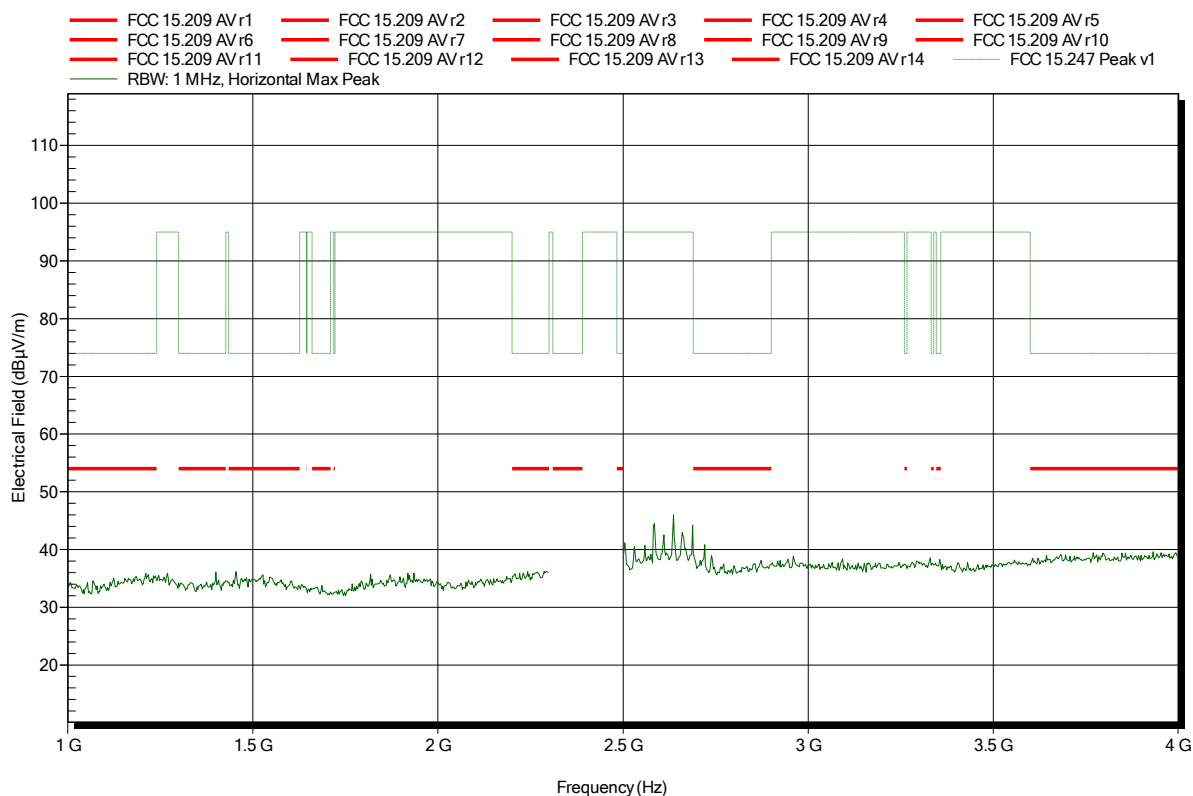
 Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-24
 Note:

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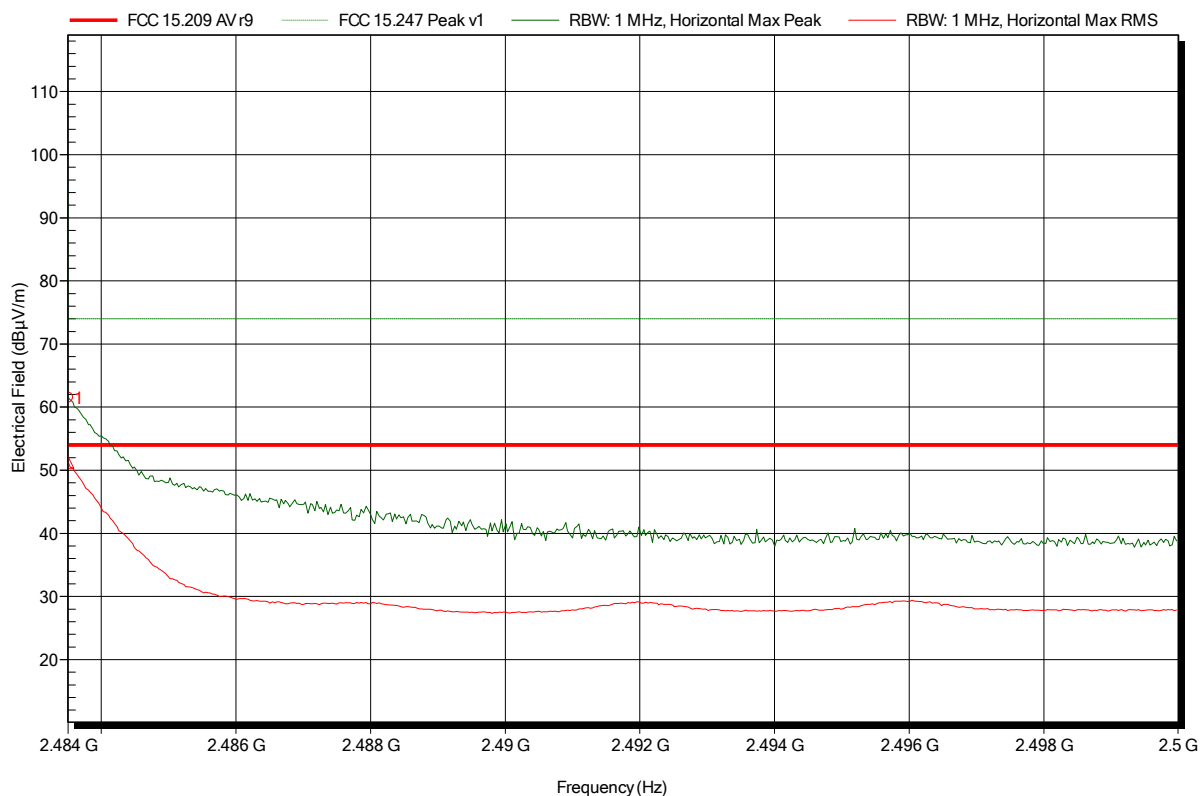


Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-24
 Note: upper bandedge

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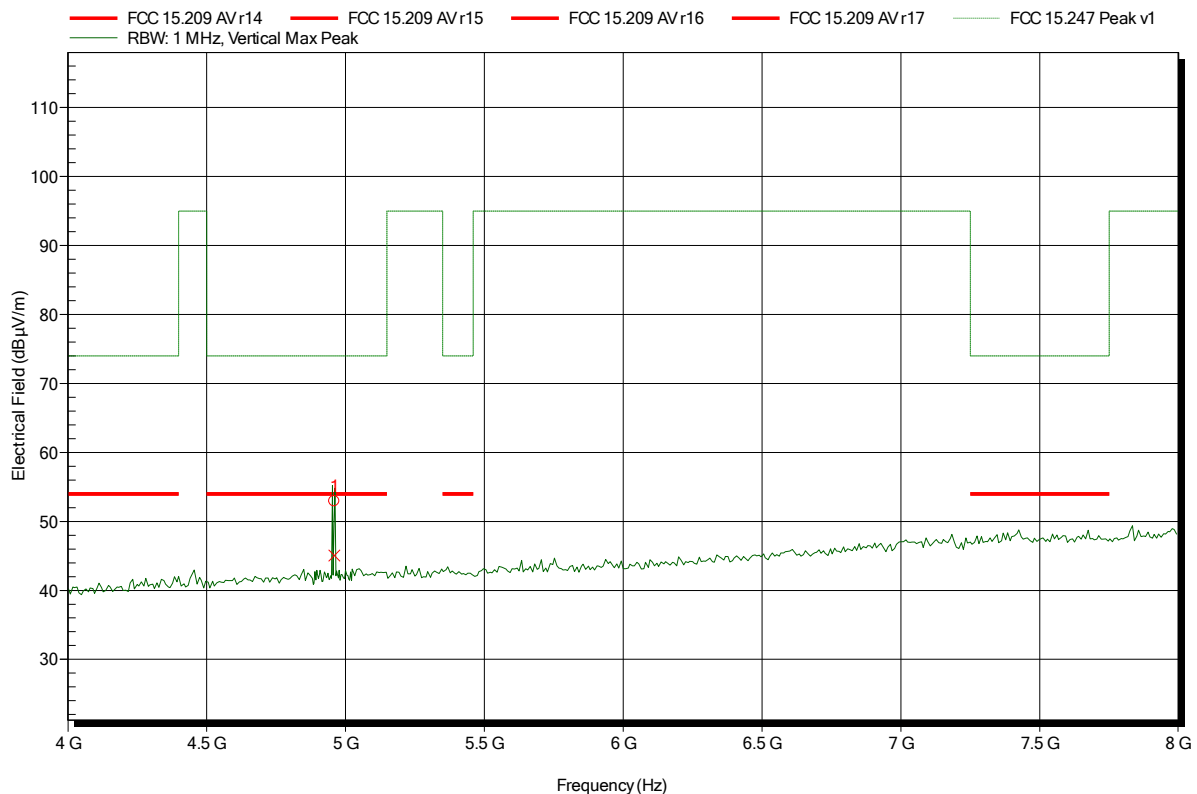
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|------------|--------------|------------|-----------------|-------------|
| 2.4835 GHz | 61.47 dBµV/m | 74 dBµV/m | -12.53 dB | Pass |
| Frequency | RMS | RMS Limit | RMS Difference | RMS Status |
| 2.4835 GHz | 51.21 dBµV/m | 54 dBµV/m | -2.79 dB | Pass |

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Vertical
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-25
 Note:

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| | | | | |
|-----------|--------------|---------------|--------------------|----------------|
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
| 4.96 GHz | 52.93 dBµV/m | 74 dBµV/m | -21.07 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.96 GHz | 45.06 dBµV/m | 54 dBµV/m | -8.94 dB | Pass |

Test Report No.: G0M-1406-3920-TFC247BT-V01

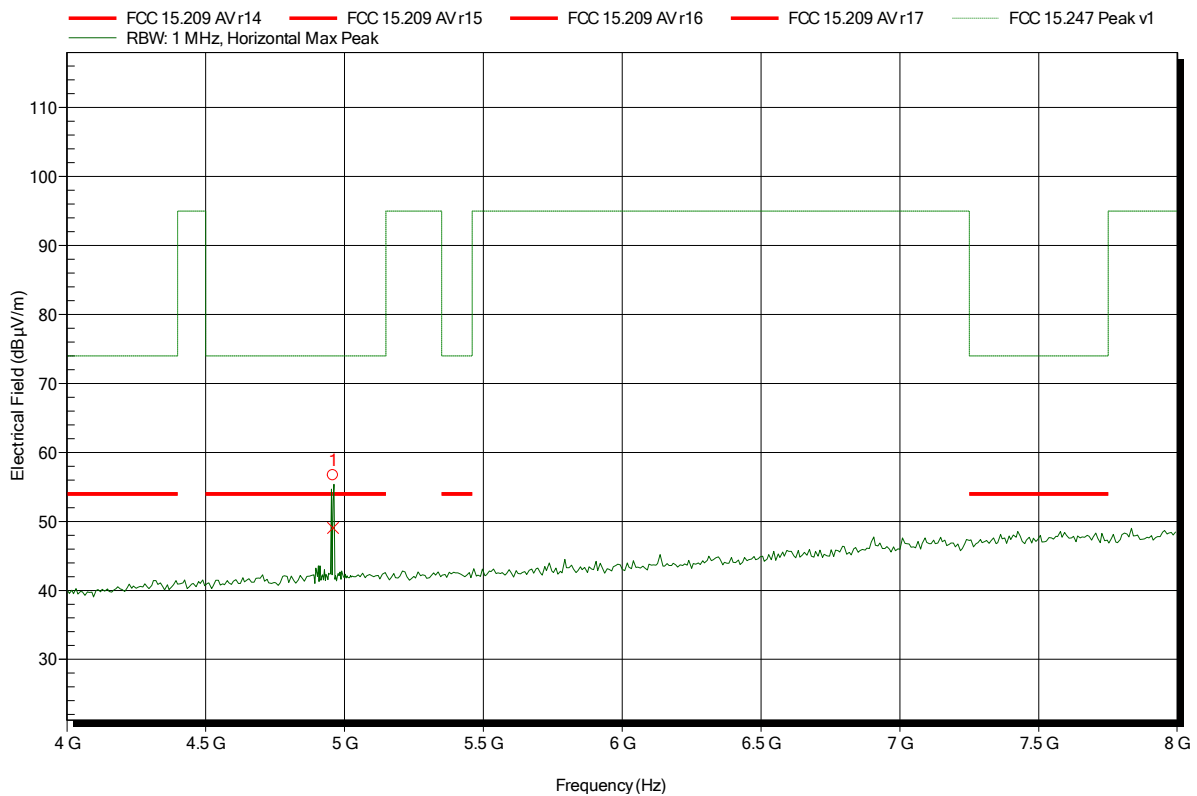
 Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Spurious emissions according to FCC 15.247

Project number: G0M-1406-3920

Applicant: GN Netcom A/S
 EUT Name: Bluetooth headset
 Model: Jabra / OTE20
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Handrik
 Test Conditions: Tnom: 22°C, Vnom: 3.7V DC (battery)
 Antenna: Schwarzbeck BBHA 9120D, Horizontal
 Measurement distance: 3 m
 Mode: TX; 8DPSK; Ch.: 78
 Test Date: 2014-06-24
 Note:

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| | | | | |
|-----------|--------------|---------------|--------------------|----------------|
| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
| 4.96 GHz | 56.67 dBµV/m | 74 dBµV/m | -17.33 dB | Pass |
| Frequency | Average | Average Limit | Average Difference | Average Status |
| 4.96 GHz | 49.05 dBµV/m | 54 dBµV/m | -4.95 dB | Pass |

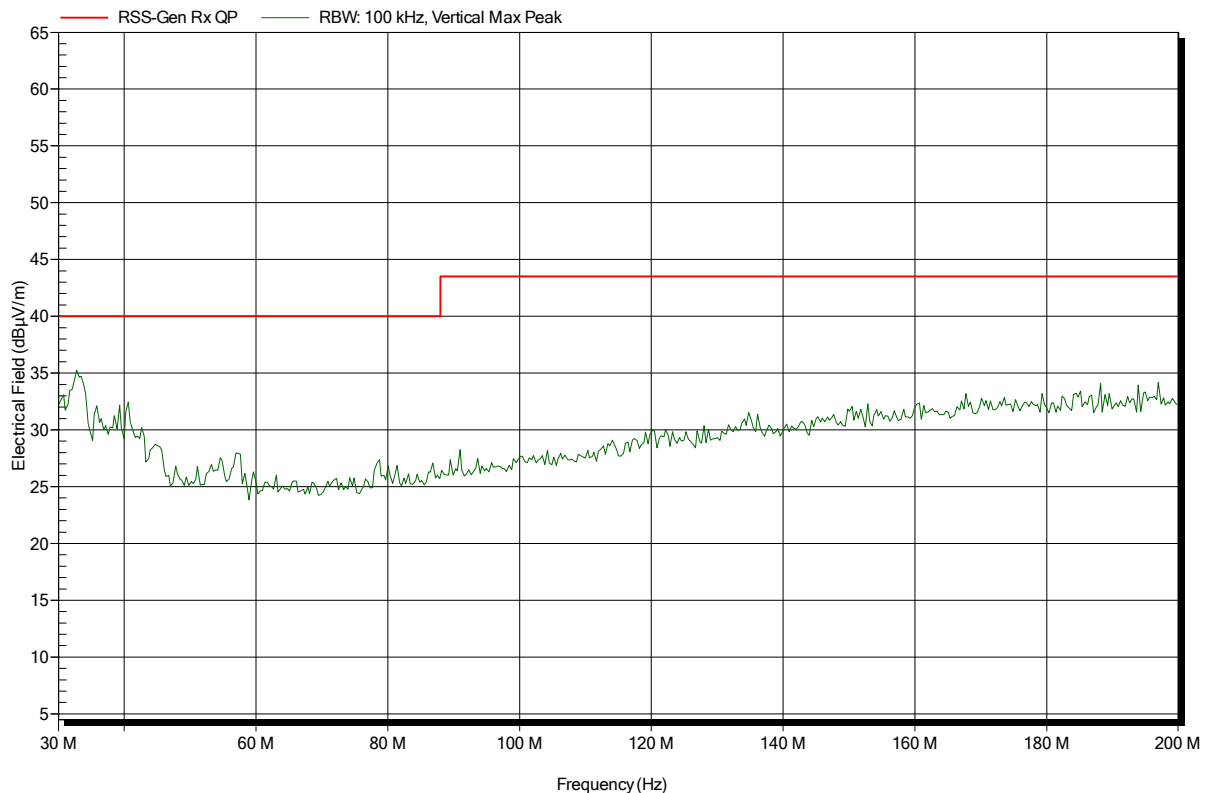
ANNEX B Receiver radiated spurious emissions

Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HK 116, Vertical |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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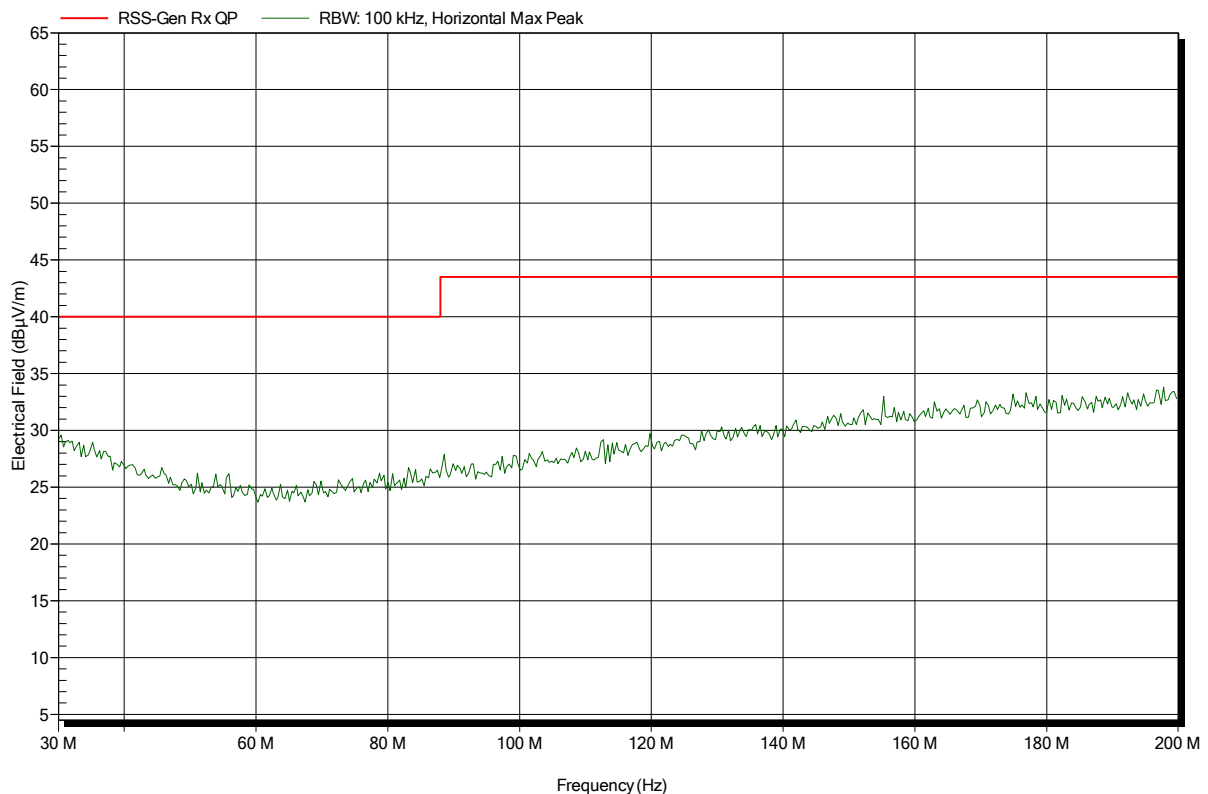


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HK 116, Horizontal |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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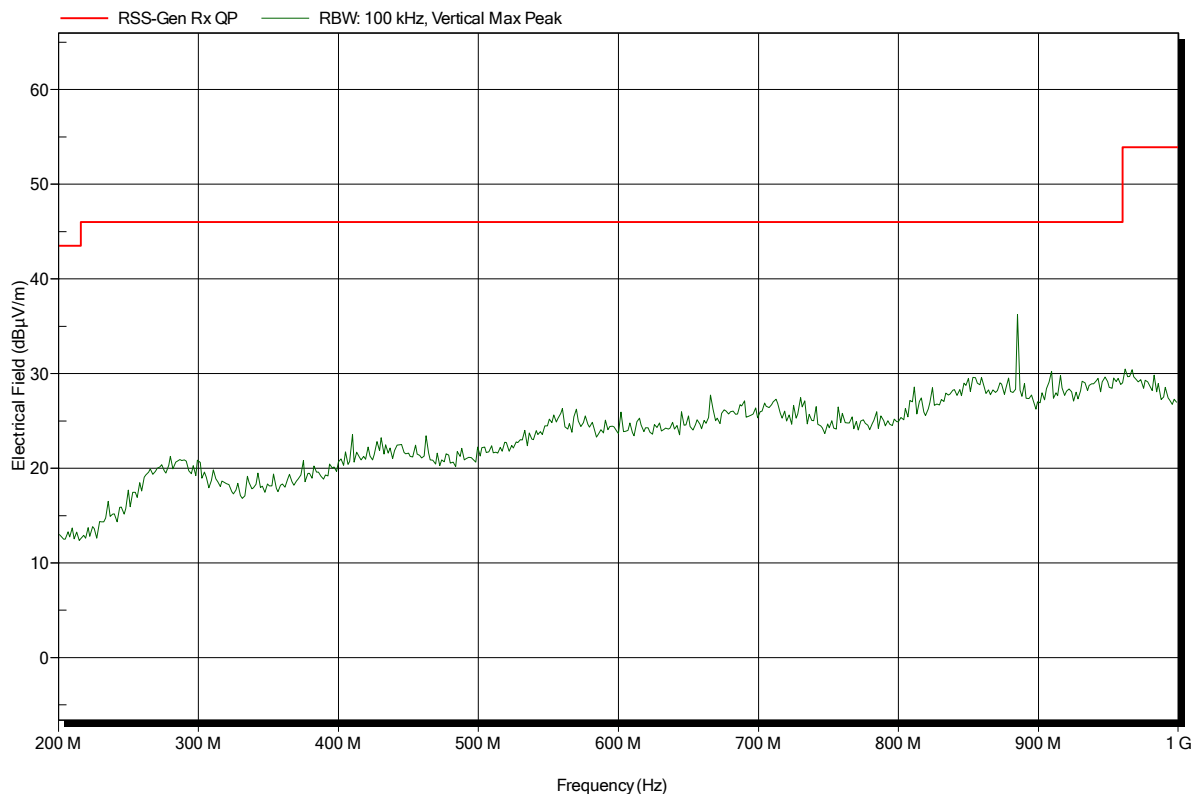


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 223, Vertical |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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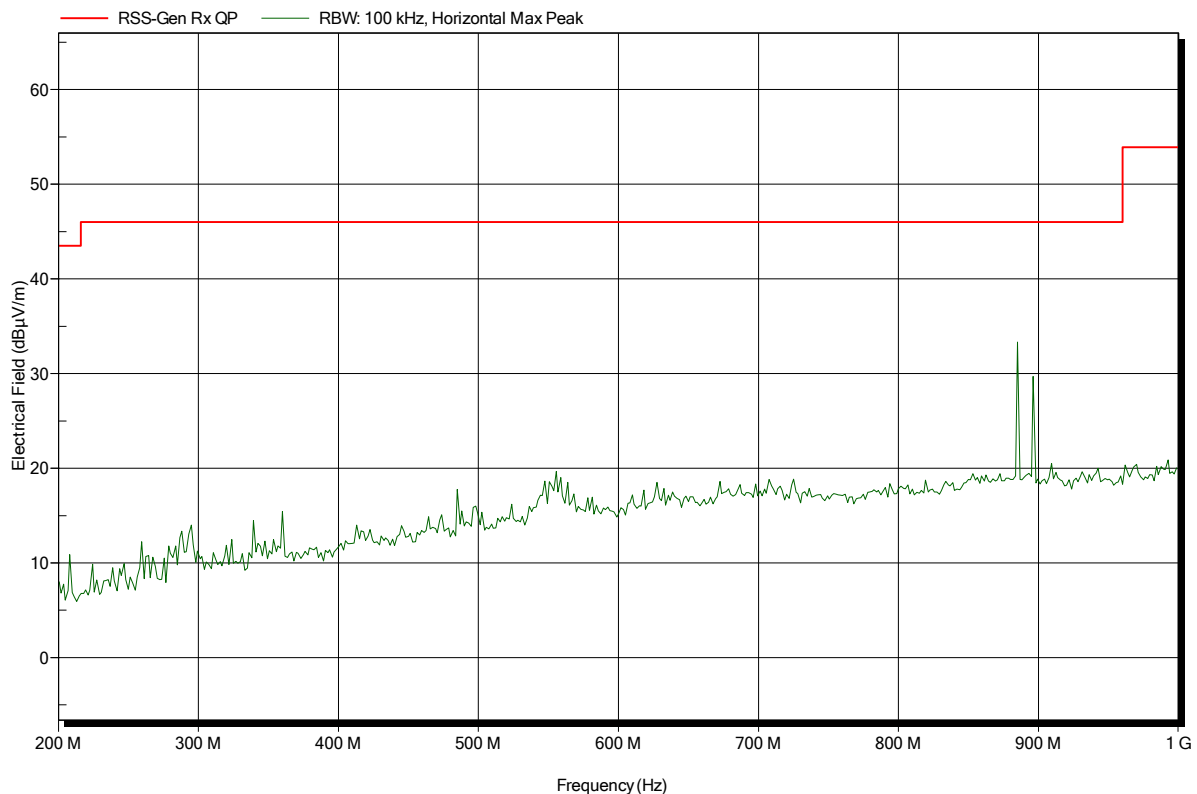


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Rohde & Schwarz HL 223, Horizontal |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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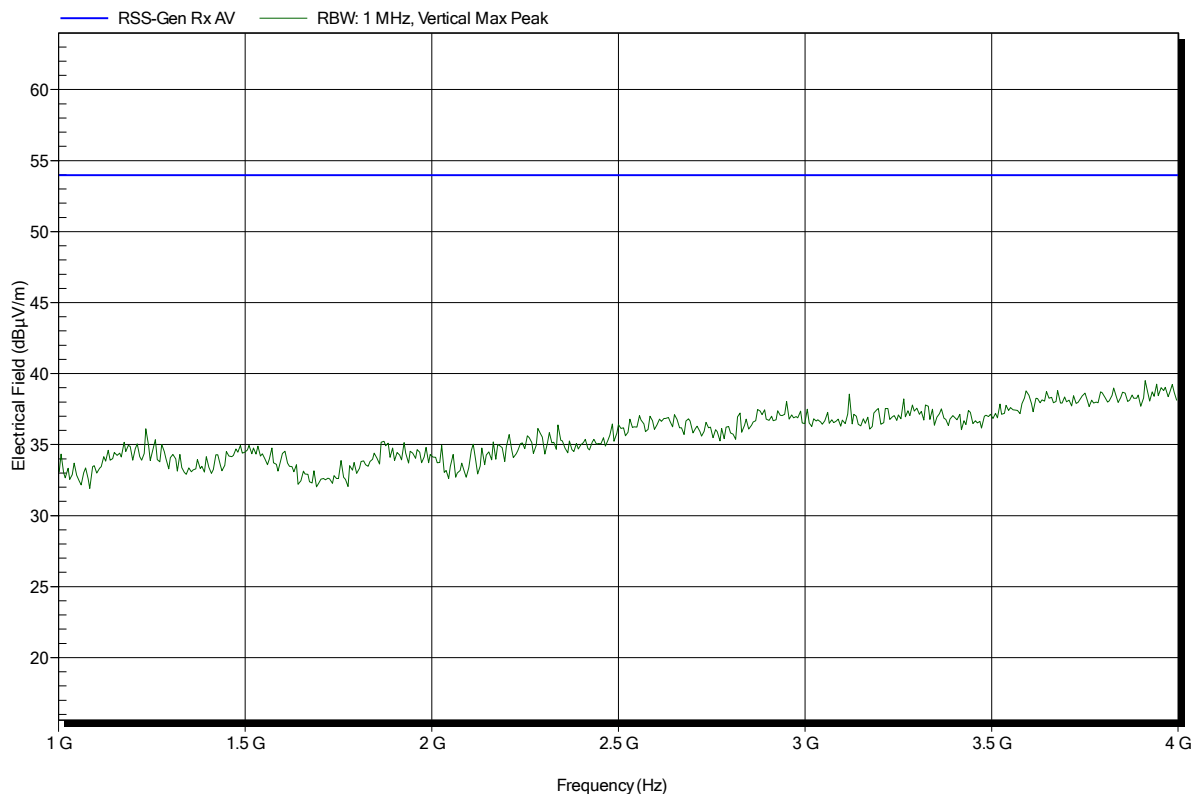


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Vertical |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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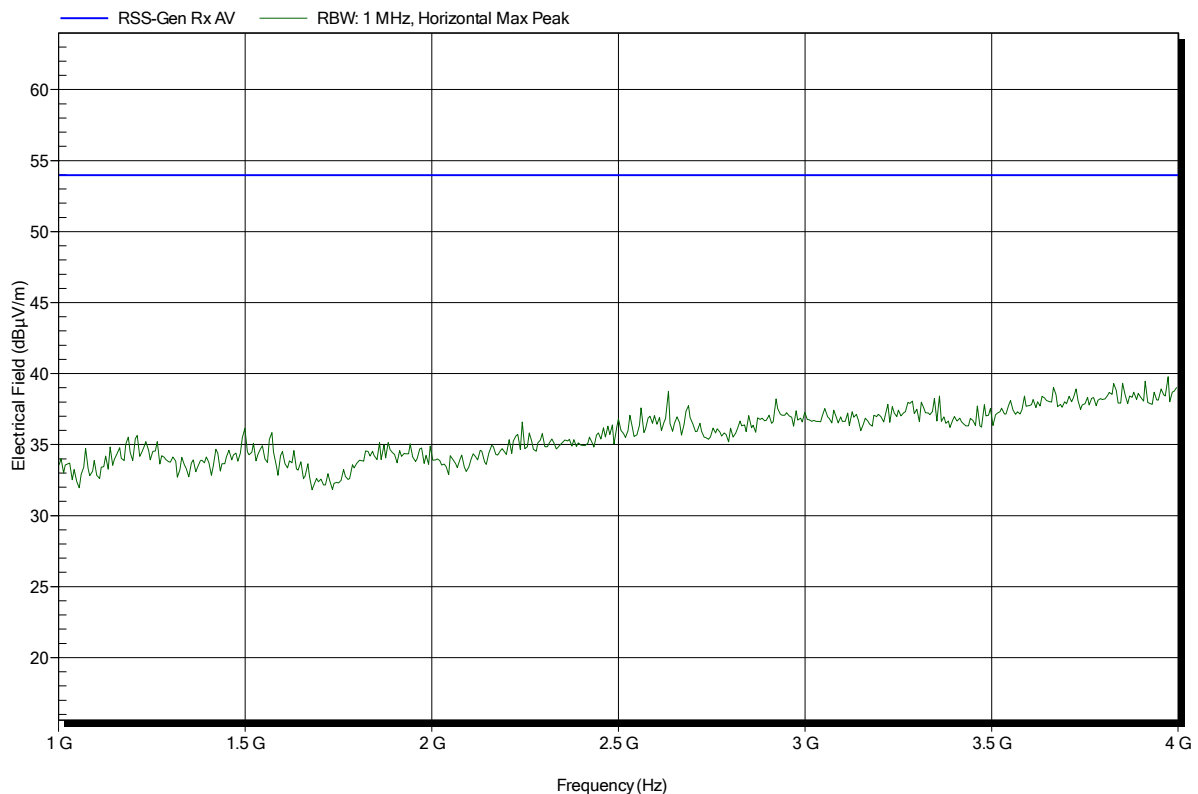


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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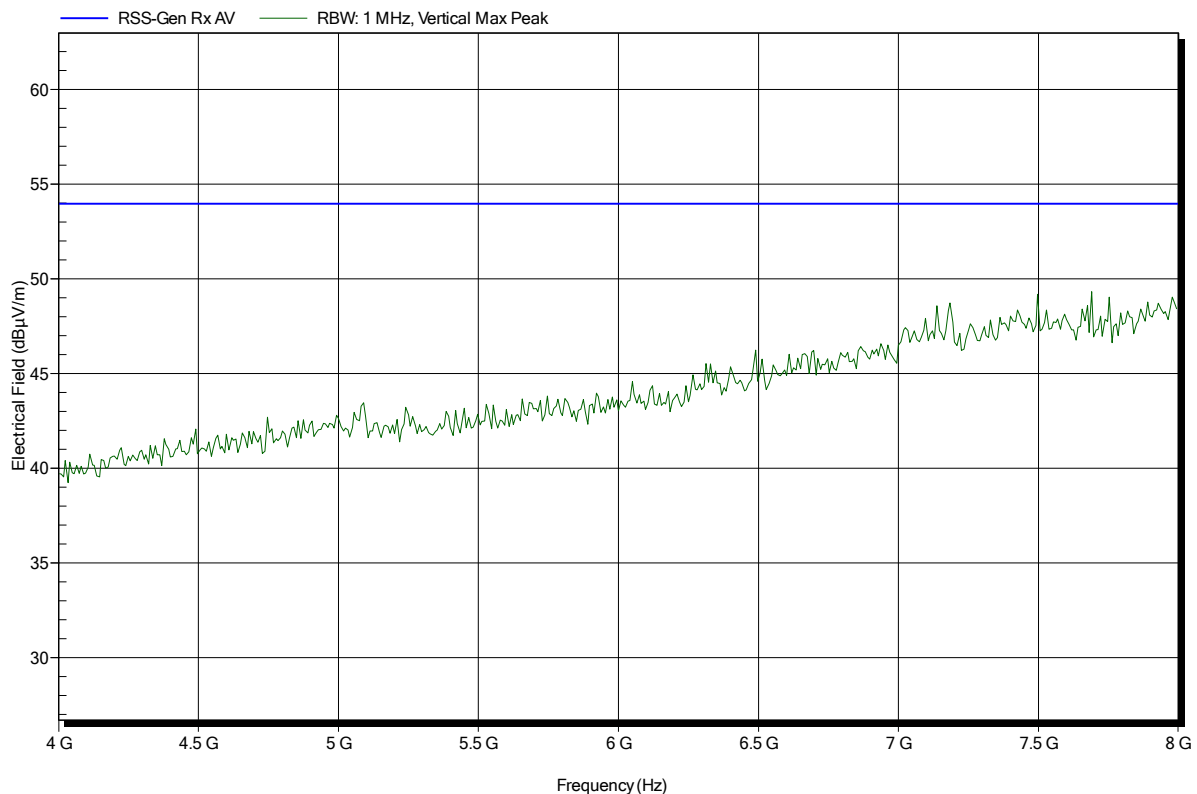


Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Vertical |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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Spurious emissions according to RSS-GEN

Project number: G0M-1406-3920

| | |
|-----------------------|-------------------------------------|
| Applicant: | GN Netcom A/S |
| EUT Name: | Bluetooth headset |
| Model: | Jabra / OTE20 |
| Test Site: | Eurofins Product Service GmbH |
| Operator: | Mr. Handrik |
| Test Conditions: | Tnom: 22°C, Vnom: 3.7V DC (battery) |
| Antenna: | Schwarzbeck BBHA 9120D, Horizontal |
| Measurement distance: | 3 m |
| Mode: | RX; Bluetooth; CH.: 39 |
| Test Date: | 2014-06-24 |
| Note: | |

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