EUROFINS PRODUCT SERVICE GMBH

Testing Cert #1983.01

TEST- REPORT

Compliance Test Report

FCC PART 15 SUBPART C
IC RSS 210 ISSUE 8

FCC ID: BCE-OTE9
IC: 2386C-OTE9

Bluetooth mono headset

Jabra OTE9

TEST REPORT NUMBER: G0M21102-4196-P-15

Eurofins Product Service GmbH
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1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

Eurofins Product Service GmbH is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

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Operator:

Date	Eurofins-Lab.	Name	Signature
01.04.2011		W. Treffke	W. Treffke

Technical responsibility for area of testing:

Date	Eurofins	Name	Signature
01.04.2011		T. Jahn	T. Jahn

1.2 Testing laboratory

EUROFINS PRODUCT SERVICE GMBH
Storkower Strasse 38c
D-15526 Reichenwalde b. Berlin
Germany
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DAR ACCREDITED TESTING LABORATORY
DAR-REGISTRATION NUMBER: DAT-P-268/08

RECOGNIZED NOTIFIED BODY EMC
REGISTRATION NUMBER: BNetzA-bS EMV-07/61

RECOGNIZED NOTIFIED BODY R&TTE
REGISTRATION NUMBER: BNetzA-bS-02/51-53

FCC FILED TEST LABORATORY
REG.-NO. 96970

A2LA ACCREDITED TESTING LABORATORY
CERTIFICATE NO. 1983.01

BLUETOOTH QUALIFICATION TEST FACILITY (BQTF)
ACCREDITED BY BLUETOOTH QUALIFICATION REVIEW BOARD

INDUSTRY CANADA FILED TEST LABORATORY
REG. NO. IC 3470

Test location, where different:

Name	: ./.
Street	: ./.
Town	: ./.
Country	: ./.
Telephone	: ./.
Fax	: ./.

1.3 Details of approval holder

Name	: GN Netcom A/S
Street	: Lautrupbjerg 7
Town	: DK-2750 Ballerup
Country	: DENMARK
Telephone	: +45 45759186
Contact	: Mrs Lily Zhuang
Telephone	: +45 45759186

1.4 Application details

Date of receipt of application	: 14.03.2011
Date of receipt of test item	: 14.03.2011
Date of test	: 15.03.2011 – 17.03.2011

1.5 Test item

Description of test item	: Bluetooth mono headset
Type identification	: Jabra OTE9
Brand Name	: Jabra
Serial number	: without
Hardware version	: 28-03369
Software version	: A04
Equipment type	: End Product

Technical data

Frequency range	: 2400 - 2483.5MHz
Tested frequencies	: F_1 2402MHz
Tested frequencies	: F_2 2441MHz
Tested frequencies	: F_3 2480MHz
Antenna type	: internal
Antenna model	: Inverted F type antenna
Number of antennas	: 1
Antenna gain	: 1dBi (Declared by approval holder)
Power supply	: 3.7VDC
Duty cycle	: 46%
Operating mode	: semi duplex
Spreading technique	: FHSS
Modulations	: GFSK, PI/4-DQPSK, 8-PSK
Device classification	: Mobile Device (Human Body distance > 20 cm)

Additional information :

Manufacturer:
(if applicable)

Name	: GN Netcom A/S
Street	: Lautrupbjerg 7
Town	: DK-2750 Ballerup
Country	: DENMARK

1.6 Test standards

Technical standard : ☒ **FCC PART 15 SUBPART C**
☒ **IC RSS 210 ISSUE 8**

1.7 Acronyms and abbreviations

EUT	:	Equipment under Test
TX	:	Transmission
RX	:	Reception
RBW	:	Measurement Resolution Bandwidth
Pol	:	Measurement Polarization
e.i.r.p.	:	Equivalent isotropic radiated power
FHSS	:	Frequency hopping spread spectrum
DSSS	:	Direct Sequence Spread Spectrum
OFDM	:	Orthogonal frequency division multiplexing
CCK	:	Complementary code keying
GFSK	:	Gaussian frequency shift keying
DQPSK	:	Differential quadrature phase shift keying
PSK	:	Phase shift keying
T_{nom}	:	Nominal Temperature
T_{min}	:	Minimum Temperature
T_{max}	:	Maximum Temperature
V_{nom}	:	Nominal Supply Voltage
V_{min}	:	Minimum Supply Voltage
V_{max}	:	Maximum Supply Voltage
VDC	:	DC voltage
N/A	:	Not applicable
IC	:	Industry Canada

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations as specified in 2.4 were ascertained in the course of the tests performed. ☐

2.2 Test environment

Temperature	: 22	...	26°C
Relative humidity content	: 20	...	75%
Air pressure	: 86	...	103kPa

Extreme conditions parameters:

V_{nom}	:	3.7VDC
V_{min} (V_{nom}-15%)	:	-
V_{max} (V_{nom}+15%)	:	-
T_{nom}	:	25°C

Other parameter: None

2.3 Test equipment utilized

Measurement Equipment List					
No.	**Measurement device:**	**Type:**	**Manufacturer:**	**Last Cal.**	**Next Cal.**
ETS 0086	Semi-anechoic chamber	AC1	Frankonia	12.03.2010	12.03.2011
ETS 0271	Spectrum Analyzer	FSEK30	Rohde & Schwarz	19.03.2009	19.03.2011
ETS 0030	Biconical Antenna	HK 116	Rohde & Schwarz	10.02.2011	20.02.2012
ETS 0295	LPD Antenna	HL 223	Rohde & Schwarz	09.02.2011	09.02.2012
ETS 0018	Horn Antenna	BBHA 9120D	Schwarzbeck	26.08.2010	26.08.2011
ETS 0432	Amplifier-Matrix			02.06.2010	02.06.2012
ETS 0496	Spectrum Analyzer	FSP30	Rohde & Schwarz	26.08.2010	26.08.2011

2.4 Sample emission level calculation

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

Reading:

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

A.F.:

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

Reading on Analyzer (dBµV) + A.F. (dB) = Net field strength (dBµV/m)

Net:

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

Limit:

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

Limit (dBµV/m) = 20*log (µV/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:

Reading	+	AF	=	Net Reading	:	Net reading - FCC limit = Margin
21.5 dBµV	+	26 dB	=	47.5 dBµV/m	:	47.5 dBµV/m - 57.0 dBµV/m = -9.5 dB

2.5 Test results

Test case	Clause	Required	Result	Remarks
INFORMATIONAL TRANSMITTER PARAMETERS				
Occupied Bandwidth	IC RSS-Gen. 4.6.1	☒		
TRANSMITTER PARAMETERS				
20dB Bandwidth	FCC § 15.247(a)(1) IC RSS-210 § A8.1	☒	PASS	
Frequency hopping channel number	FCC § 15.247(a)(1)(iii) IC RSS-210 § A8.1	☒	PASS	
Frequency hopping channel spacing	FCC § 15.247(a)(1) IC RSS-210 § A8.1	☒	PASS	
Time of occupancy (dwell time)	FCC § 15.247(a)(1)(iii) IC RSS-210 § A8.1	☒	PASS	
Maximum peak conducted output power	FCC § 15.247(b) IC RSS-210 § A8.4	☒	PASS	
Maximum peak e.i.r.p. output power	FCC § 15.247(b) IC RSS-210 § A8.4	☒	PASS	
Band-edge Compliance	FCC § 15.247(d) IC RSS-210 § A8.5	☒	PASS	
Conducted spurious emissions	FCC § 15.247(d) IC RSS-210 § A8.5	☒	PASS	
Radiated spurious emissions	FCC § 15.247(d) FCC § 15.209 IC RSS-210 § A8.5 IC RSS-Gen § 7.2.2	☒	PASS	
RECEIVER PARAMETERS				
Radiated spurious emissions	FCC § 15.109 IC RSS-Gen § 4.10 IC RSS-Gen § 6.1	☒	PASS	
POWER LINE PARAMETERS				
AC power line conducted emissions	FCC § 15.207 IC RSS-Gen. 7.2.4	☒	PASS	

3 Informational Transmitter parameters

3.1 Transmitter Modes for conformance testing

The following transmission modes are elected for compliance testing.

TEST MODE DH5	
Conditions	
Spread Spectrum :	☒ Yes ☐ No
Spreading Technique :	FHSS
Modulation :	GFSK
Packet Type :	DH5
Data rate :	1Mbps
Duty Cycle :	46%

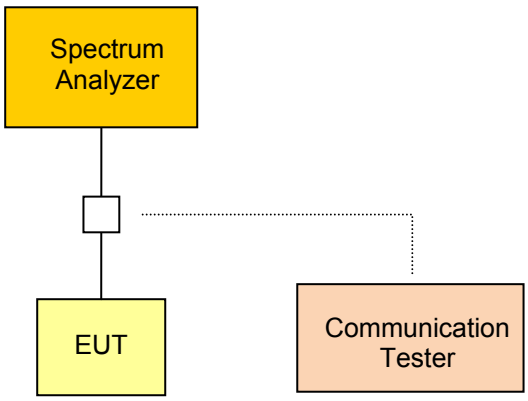
TEST MODE 2-DH5	
Conditions	
Spread Spectrum :	☒ Yes ☐ No
Spreading Technique :	FHSS
Modulation :	π/4-DQPSK
Packet Type :	2-DH5
Data rate :	2Mbps
Duty Cycle :	46%

TEST MODE 3-DH5	
Conditions	
Spread Spectrum :	☒ Yes ☐ No
Spreading Technique :	FHSS
Modulation :	8-PSK
Packet Type :	3-DH5
Data rate :	3Mbps
Duty Cycle :	46%

3.2 Occupied Bandwidth

According RSS-Gen Section 4.6.1 the 99% emission bandwidth occupied by the modulated transmitted signal has to be reported as calculated or measured.

3.2.1 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with maximum power under normal test conditions. The span of the analyzer is set wide enough to capture all significant emissions of the modulation spectrum. The resolutions bandwidth is set as close as possible to 1% of the selected span without being below 1%. The occupied bandwidth is than measured evaluated by an internal measurement procedure of the analyzer.

3.2.2 Results

Transmitter occupied bandwidth			
Measurement Conditions			
Power occupation :		99%	
Channel [MHz]	**Lower edge frequency [MHz]**	**Upper edge frequency [MHz]**	**Occupied Bandwidth [MHz]**
Test mode DH5			
2402	2401.58	2402.43	0.850
2441	2440.57	2441.43	0.860
2480	2479.57	2480.42	0.850
Test mode 3-DH5			
2402	2401.39	2402.60	1.210
2441	2440.39	2441.60	1.210
2480	2479.39	2480.60	1.210
See attached diagram in Annex			
Verdict			**PASS**

4 Transmitter parameters

4.1 20dB Bandwidth

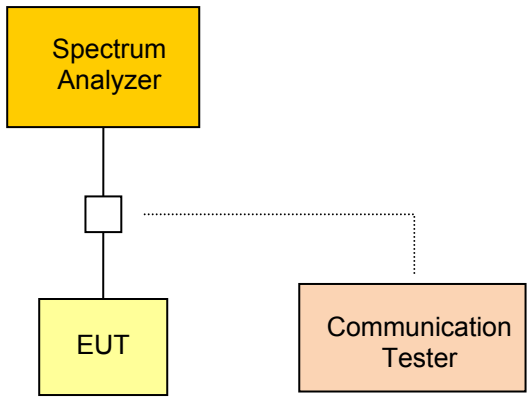
According FCC rules 47 CFR 15.247(a)(1) and RSS-210 Section A8.1 the 20dB Bandwidth determines the necessary carrier spacing used in the frequency hopping system.

4.1.1 Limits

According FCC and IC rules frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

20dB bandwidth limits	
Output Power	**20dB Bandwidth Limit**
≤ 125mW / 21dBm	1.5 * carrier spacing
125mW – 1W / 21 – 30dBm	1.0 * carrier spacing

4.1.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with maximum power under normal test conditions. The resolution bandwidth is set to 1% of the 20dB bandwidth of the emission spectrum (VBW≥RBW). The center frequency is set to the hopping channel center frequency. The span of the analyzer is set to 2 -3 times the 20dB bandwidth. The bandwidth is determined using markers with peak detector and max hold.

According to 47 CFR 15.31 battery power equipment is measured using new batteries and equipment using external power supply is measured with 85%, 100% and 115% of the nominal rated supply voltage.

4.1.3 Results

20dB bandwidth		
Measurement Conditions		
Max. output power :	3.2dBm	
Carrier spacing :	1MHz	
Channel [MHz]	**20dB Bandwidth [MHz]**	**Bandwidth Limit [MHz]**
Test mode DH5		
2402	0.926	≤ 1.5
2441	0.926	≤ 1.5
2480	0.930	≤ 1.5
Test mode 2-DH5		
2402	1.261	≤ 1.5
2441	1.305	≤ 1.5
2480	1.309	≤ 1.5
Test mode 3-DH5		
2402	1.265	≤ 1.5
2441	1.261	≤ 1.5
2480	1.269	≤ 1.5
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.2 Frequency hopping channel number

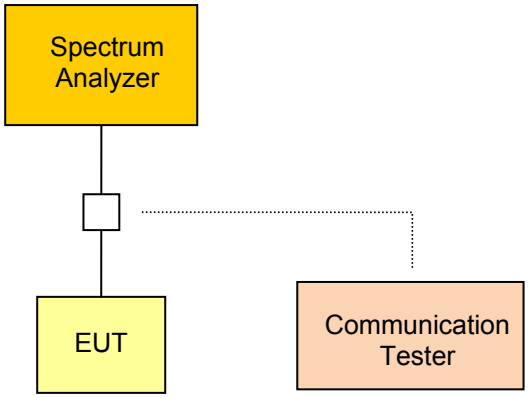
According FCC rules 47 CFR 15.247(a)(1)(iii) and RSS-210 Section A8.1 the number of hopping channels used, determines if the system can be certified as a hopping system and also the power level the system can use.

4.2.1 Limits

According FCC and IC rules frequency hopping systems shall use a minimum of 15 hopping channels. If the hopping system uses at least 75 hopping channels, the maximum conducted output power can be increased from 0.125W to 1W.

Frequency hopping channel number limits	
Max. conducted output Power	**Minimum number of channels**
≤ 125mW / 21dBm	15
125mW – 1W / 21 - 30dBm	75

4.2.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with hopping activated. The resolution bandwidth is set to 1% of the span (VBW≥RBW) and the span is set to 2400 – 2483.5MHz. The power level is measured with peak detector and max hold.

4.2.3 Results

Number of hopping channels		
Measurement Conditions		
Test mode :	DH5	
Max. output power :	3.2dBm	
Number of channels	**Hopping channel limit**	
79	≥ 15	
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.3 Frequency hopping channel spacing

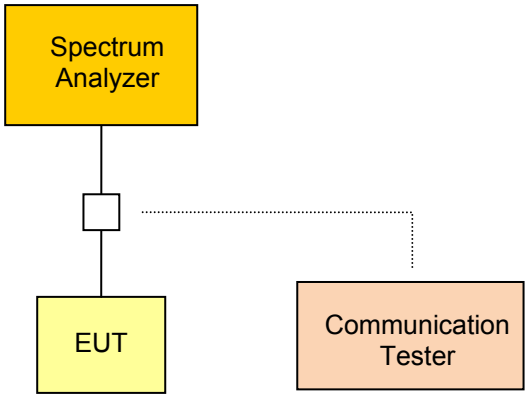
According FCC rules 47 CFR 15.247(a)(1) and RSS-210 Section A8.1 the minimum hopping channel frequency spacing is correlated to the 20dB bandwidth of the hopping channel emission and and maximum peak output power.

4.3.1 Limits

According FCC and IC rules frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Frequency hopping channel spacing limits	
Max. conducted output Power	**Minimum hopping channel spacing**
≤ 125mW / 21dBm	≥ 25kHz or ⅔ of 20dB bandwidth
125mW – 1W / 21 – 30dBm	≥ 25kHz or 20dB bandwidth

4.3.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with hopping activated. The resolution bandwidth is set to 1% of the span (VBW≥RBW) and the span is set wide enough to capture two adjacent channels. The power level is measured with peak detector and max hold.

4.3.3 Results

Frequency hopping channel spacing		
Measurement Conditions		
Test mode :	DH5	
Tested channels :	2441MHz / 2442MHz	
Max. output power :	3.2dBm	
Channel spacing [kHz]	**Channel spacing limit [kHz]**	
1004.4	≥ ⅔ * 930 = 620	
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.4 Time of occupancy (Dwell time)

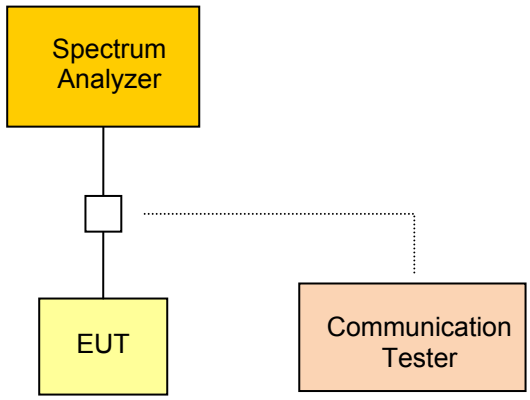
According FCC rules 47 CFR 15.247(a)(1)(iii) and RSS-210 Section A8.1 the average time of occupancy on any channel is limited.

4.4.1 Limits

According FCC and IC rules the average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Time of occupancy (dwell time) limits	
Dwell time limit	**Channel occupancy period**
0.4s	0.4 * Number of hopping channels

4.4.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with hopping activated. The resolution bandwidth is set to 1MHz (VBW≥RBW) and the span is set to zero centered on a hopping channel. The sweep time is set large enough to capture the dwell time. The power level is measured with peak detector and max hold.

4.4.3 Results

Time of occupancy (Dwell time)		
Measurement Conditions		
Test mode :	DH5	
Tested channel :	2441	
Number of hopping channels :	79	
Time of occupancy	**Channel occupancy periode**	
63 * 2.913ms = 183.5ms	31.6s	
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.5 Maximum peak conducted output power

According FCC rules 47 CFR 15.247(b)(1) and RSS-210 Section A8.4 the maximum peak conducted output power is limited and has be verified.

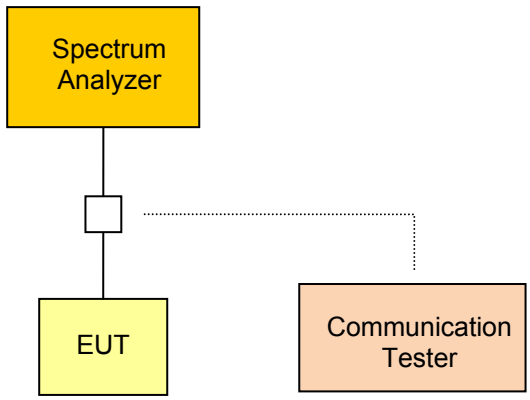
4.5.1 Limits

For frequency hopping systems operating in the band 2400-2483.5 MHz employing at least 75 hopping channels, the maximum peak conducted output power shall not exceed 1 W; for all other frequency hopping systems in the band, the maximum peak conducted output power shall not exceed 0.125 W.

Maximum peak conducted output power limits	
Number of Hopping Channels	**Conducted Power Limit**
≥ 75	1W (30dBm)*
15 - 74	125mW (21dBm)*

*) 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.

4.5.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) with maximum power under normal test conditions. The resolution bandwidth is set higher than the 20dB Bandwidth of the emission spectrum (VBW≥RBW). The span of the analyzer is set larger than 5 times the resolution bandwidth. The maximum power emitted by the EUT is measured using peak detector and max hold.

According to 47 CFR 15.31 battery power equipment is measured using new batteries and equipment using external power supply is measured with 85%, 100% and 115% of the nominal rated supply voltage.

4.5.3 Results

Maximum peak conducted output power		
Measurement Conditions		
Antenna gain :	1dBi	
Power correction :	0dB	
Number of Hopping channels :	79	
Channel [MHz]	**Conducted ouput power [dBm]**	**Power Limit [dBm]**
Test mode DH5		
2402	1.8	≤ 30
2441	1.9	≤ 30
2480	2.1	≤ 30
Test mode 2-DH5		
2402	2.0	≤ 30
2441	3.0	≤ 30
2480	3.2	≤ 30
Test mode 3-DH5		
2402	2.2	≤ 30
2441	3.1	≤ 30
2480	3.2	≤ 30
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.6 Maximum e.i.r.p. output power

According FCC rules 47 CFR 15.247(b)(1) and RSS-210 Section A8.4 the maximum peak e.i.r.p. conducted output power is limited and has be verified.

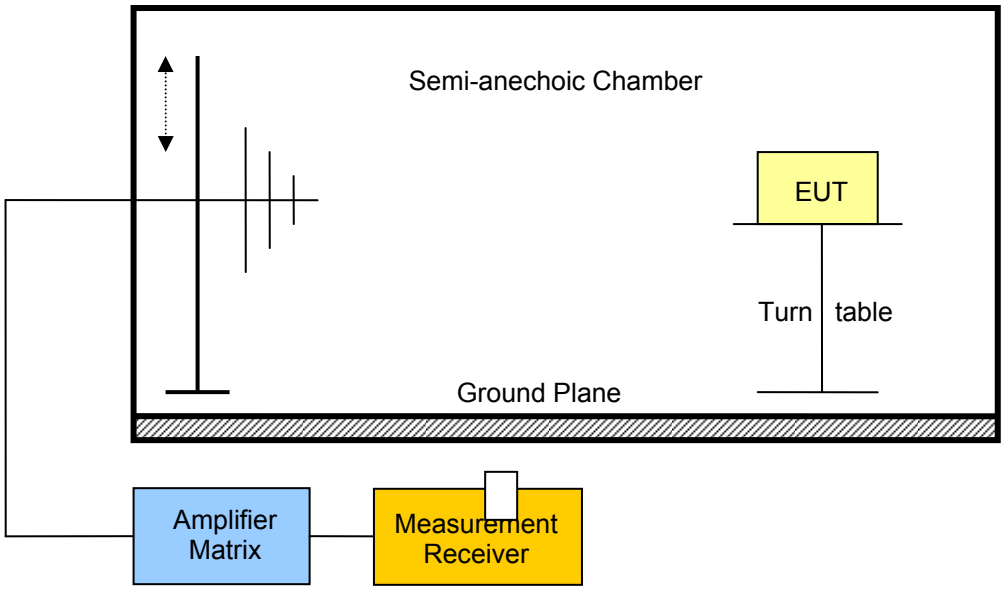
4.6.1 Limits

According to the FCC Rules the conducted output power limit specified 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. This translates to the following e.i.r.p. power limits.

Maximum e.i.r.p. output power limits	
Number of Hopping Channels	**E.I.R.P. Power Limit**
≥ 75	4W e.i.r.p. (36dBm e.i.r.p.)
15 - 74	500mW e.i.r.p. (27dBm e.i.r.p.)*

*) According RSS-210 the e.i.r.p. output power is generally limited to 4W (36dBm) without limit on the number of hopping channels.

4.6.2 Measurement procedure



The EUT is placed on a table in a semi-anechoic chamber. The EUT is actived with the transmission modes stated in the test report. The emission level of all emission up to the 10th harmonic is scanned. In the frequency range below 1GHz a resolution bandwidth of 100kHz is used and above 1GHz a resolution bandwidth of 1MHz is used. To obtain the peak emission level the EUT is rotated through 360° and the hight of the measurement antenna changed. All emission that come to within 20dB of the limit line are recorded.

Alternate validation procedure

Alternatively the e.i.r.p. power is calculated form the declared antenna gain and the measured maximum peak conducted output power.

Which method has been used is stated in the result table.

4.6.3 Results

Maximum e.i.r.p. output power		
Measurement Conditions		
Validation methode :	☐ Measurement ☒ Alternate	
Antenna gain :	1dBi	
Channel [MHz]	**E.I.R.P. output power [dBm e.i.r.p.]**	**E.I.R.P. Power Limit [dBm e.i.r.p.]**
Test mode DH5		
2402	2.8	≤ 36
2441	2.9	≤ 36
2480	3.1	≤ 36
Test mode 2-DH5		
2402	3.0	≤ 36
2441	4.0	≤ 36
2480	3.2	≤ 36
Test mode 3-DH5		
2402	3.2	≤ 36
2441	4.1	≤ 36
2480	4.2	≤ 36
See attached diagrams in Annex		
Measurement uncertainty		4.22dB
Verdict		**PASS**

4.7 Transmitter band-edge compliance

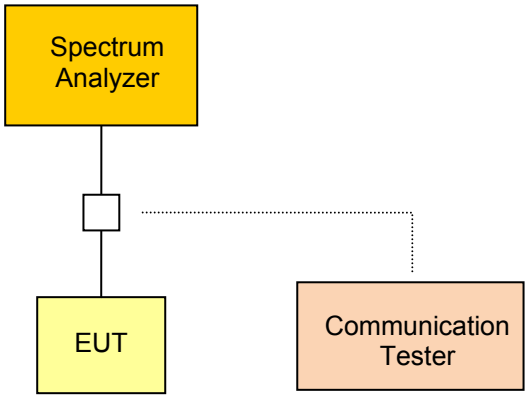
According FCC rules 47 CFR 15.209, 15.247(d) and RSS-210 Section A8.5 the emission level of out-of-band emissions are limited and has be to cvalidated.

4.7.1 Limits

The emission limit of out of band emission in any 100kHz bandwidth outside the frequency band in which the spread spectrum device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits (see "Transmitter spurious emissions"-measurement) is not required.

Transmitter band-edge emission limits	
TX-Power Detector	**Out of band attenuation**
Peak	-20dBc/100kHz
RMS	-30dBc/100kHz

4.7.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode (using a communication tester if needed) without hopping with maximum power under normal test conditions. The span of the analyzer is set large enough to capture the maximum emission within the emission band as well as any modulation product which fall outside the authorized band of operation. The resolution bandwidth is set to 1% of the span (VBW≥RBW). The

A marker is set on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Using the delta-marker function the highest peak of of the in-band emission is measured.

The same measurement procedure is repeated in hopping mode.

4.7.3 Results

Transmitter band-edge emissions		
Measurement Conditions		
Power mode :	Peak	
Mode	**Lower edge emission [dBc]**	**Upper edge emission [dBc]**
Test mode DH5		
Hopping	-42.44	-43.73
Single	-42.20	-44.75
Test mode 2-DH5		
Hopping	-43.35	-44.76
Single	-38.51	-45.01
Test mode 3-DH5		
Hopping	-40.71	-43.93
Single	-39.41	-44.08
See attached diagram in Annex		
Verdict		**PASS**

4.8 Transmitter conducted spurious emissions

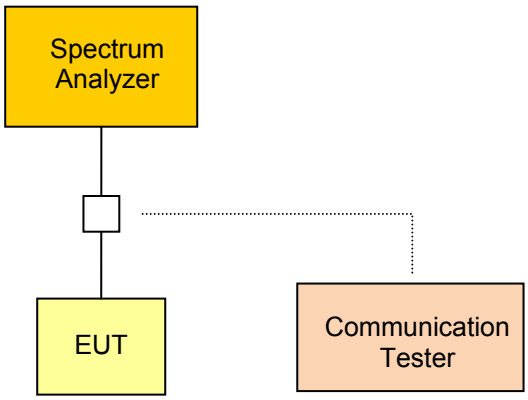
According FCC rules 47 CFR 15.247(d) and RSS-210 Section A8.5 unwanted emissions in the spurious domain are power limited and has to be validated.

4.8.1 Limits

The emission limit of out of band emission in any 100kHz bandwidth outside the frequency band in which the spread spectrum device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits (see "Transmitter radiated spurious emissions"-measurement) is not required.

Transmitter conducted spurious emission limits	
TX-Power Detector	**Out of band attenuation**
Peak	-20dBc/100kHz
RMS	-30dBc/100kHz

4.8.2 Measurement procedure



The EUT is connected to a spectrum analyzer and set to transmission mode with maximum power under normal test conditions. The span of the analyzer is set large enough to capture the maximum emission within the emission band as well as any spurious emission outside the authorized band of operation. The resolution bandwidth is set to 100kHz (VBW≥RBW). The emissions are measured using peak detector and max hold.

The measurement is performed over the frequency range of 30MHz up to the tenth harmonic.

4.8.3 Results

Transmitter conducted spurious emissions						
Measurement Conditions						
Modulated :	☒ Yes ☐ No					
Channel Frequency [MHz]	**Emission Frequency [MHz]**	**Emission Level [dBm]**	**Peak field Strength [dBm]**	**Limit [dBm]**	**Detector**	**Margin [dB]**
Test mode						
no significant spurious emissions						
See attached diagrams in Annex						
Verdict				**PASS**		

4.9 Transmitter radiated spurious emissions

According FCC rules 47 CFR 15.209, 15.247(d) and RSS-210 Section A8.5 unwanted emissions in the spurious domain are power limited and has to be validated.

4.9.1 Limits

The emission limit of out of band emission in any 100kHz bandwidth outside the frequency band in which the spread spectrum device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general limits (see "Transmitter spurious emissions"-measurement) is not required.

Transmitter out-of-band emission limits	
TX-Power Detector	**Out of band attenuation**
Peak	-20dBc/100kHz
RMS	-30dBc/100kHz

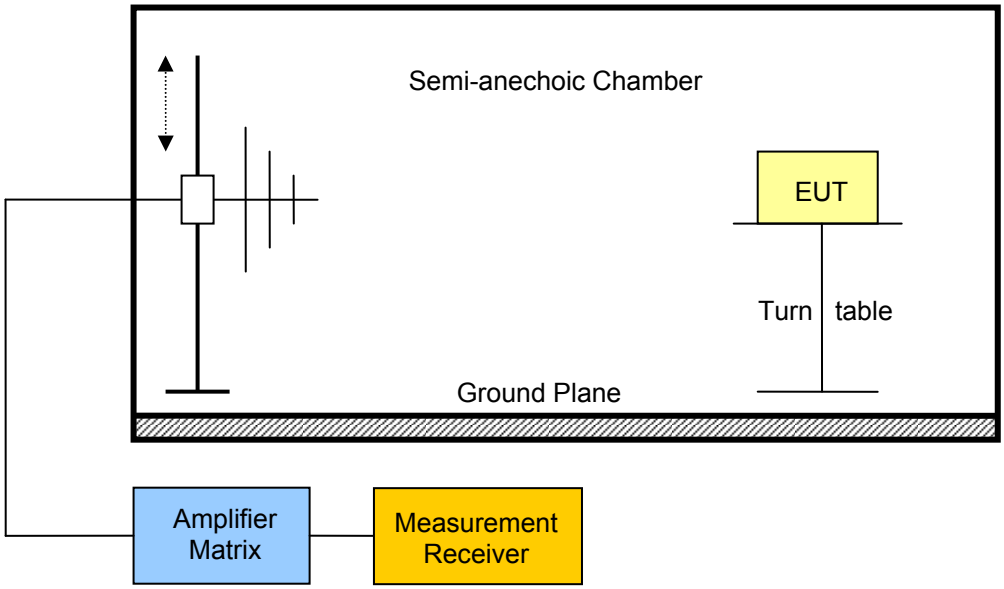
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Tranmitter restricted band spurious emission limits				
Frequency range [MHz]	**Detector**	**Limit [µV/m]**	**Calculated Limit 3m [dBµV/m]**	**Measurement 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

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.

4.9.2 Measurement procedure

The spurious emission measurement is performed on 3m a semi-anechoic test site.



The EUT is placed on a non-metallic table. Any emission is received by the measurement antenna and measured via a measurement receiver connected to the antenna. To obtain the maximum emission the EUT is rortated through 360°.

Due to pratical reasons the spurious emission level check is first performed with a peak detector and the quasi-peak and average limits.

If any emission is detected that gets close to the emission limit the detector is changed and the quasi-peak or average detector is used. Which detector is used is determined by the emission frequency. If pulsed transmission is used, averaging over the pulse train is used.

The measurement values are also corrected to obtain the field strength values at the defined measurement distances of the emission limits.

The measurement is performed over the frequency range of 30MHz up to the tenth harmonic.

4.9.3 Results

Transmitter radiated spurious emissions – DH5						
Measurement Conditions						
Measurement distance :		3m				
Modulated :		☒ Yes ☐ No				
Channel Frequency [MHz]	**Emission Frequency [GHz]**	**Polarization**	**Measured Field Strength [dBµV/m]**	**Limit@3m [dBµV/m]**	**Detector**	**Margin [dB]**
Test mode DH5						
No significant spurious emissions						
Test mode 3-DH5						
2480	2.484	v	55.65	74	p	-18.35
	2.484	v	41.88	54	av	-12.12
	2.484	h	60.54	74	p	-13.46
	2.484	h	47.20	54	av	-6.80
See attached diagrams in Annex						
Verdict					**PASS**	

5 Receiver parameters

5.1 Receiver spurious emissions

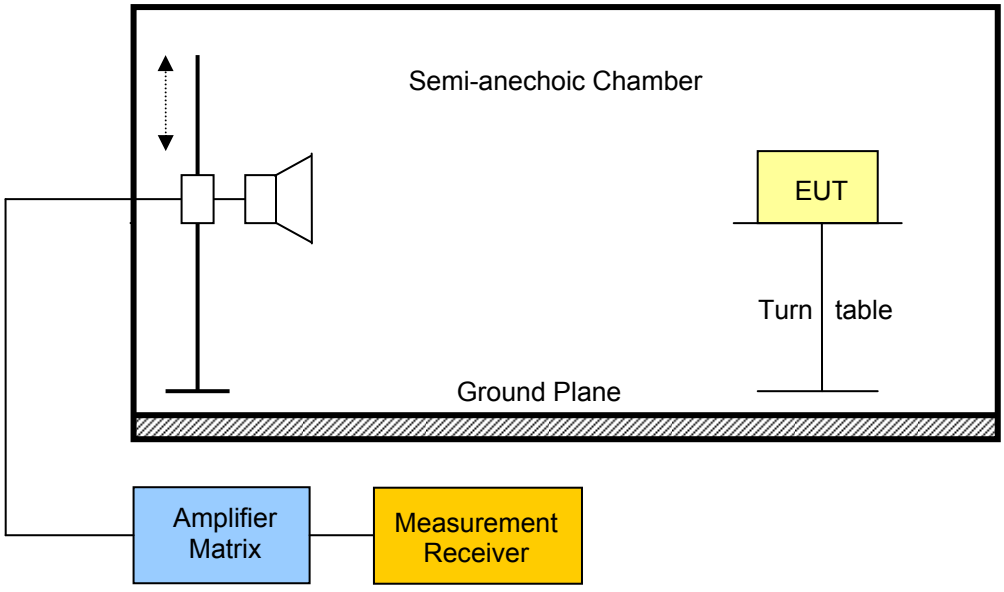
According RSS-Gen Section 4.9 the emission of unintentional radiators have to comply with limits stated in the rules.

5.1.1 Limits

Receiver spurious emission limits @ 3m				
Frequency range [MHz]	**Detector**	**Limit@3m [µV/m]**	**Calculated Limit @ 3m [dBµV/m]**	**Measurement 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

5.1.2 Measurement procedure

The spurious emission measurement is performed on a 3m open area test site.



The eut is placed on a non-metallic table. Any emission is received by a loop antenna and measured via a measurement receiver connected to the loop antenna. To obtain the maximum emission the eut is rortated through 360°.

Due to pratical reasons the spurious emission level check is first performed with a peak detector and the quasi-peak and average limits.

If any emission is detected that gets close to the emission limit the detector is changed and the quasi-peak or average detector is used. Which detector is used is determined by the emission frequency. If pulsed transmission is used, averaging over the pulse train is used.

The measurement values are also corrected to obtain the field strength values at the defined measurement distances of the emission limits.

The measurement is performed over the frequency range of 30MHz up to the 3rd harmonic.

5.1.3 Results

Receiver spurious Emissions						
Measurement Conditions						
Measurement distance :	3m					
Channel Frequency [MHz]	**Emission Frequency [MHz]**	**Polarization**	**Measured Field Strength [µV/m]**	**Limit@3m [µV/m]**	**Detector**	**Margin [µV/m]**
RX	186.032	vertical	44.82	150	Peak	-105.18
	189.439	horizontal	46.67	150	Peak	-103.33
	998.397	vertical	16.29	500	Peak	-483.71
	839.679	horizontal	13.76	200	Peak	-186.24
	3892.000	vertical	135.36	500	Peak	-364.64
	3886.000	horizontal	145.71	500	Peak	-354.29
	7960.000	vertical	339.23	500	Peak	-160.77
	7992.000	horizontal	303.74	500	Peak	-196.26
See attached diagrams in Annex						
Verdict					**PASS**	

*** Note :** If needed the measured field strength values are corrected to reflect the field strength values at the measurement distance stated in the table. Correction acc. $20 \cdot \log_{10}$(measurement distance/limit distance).

6 Power Line parameters

6.1 AC power line conducted emissions

According FCC rules 47 CFR 15.207 and RSS-Gen Section 7.2.2 for any intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits given below.

6.1.1 Limits

AC power line emission limits		
Frequency [MHz]	Conducted Limit [dBµV]	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56	56 to 46
0.5 - 5	56	46
5 - 30	60	50

6.1.2 Measurement procedure

The ac power line emissions are measured using a 50µH / 50Ω line impedance stabilization network (LINS). The radio frequency voltage between each power line and ground at the power terminal is measured.

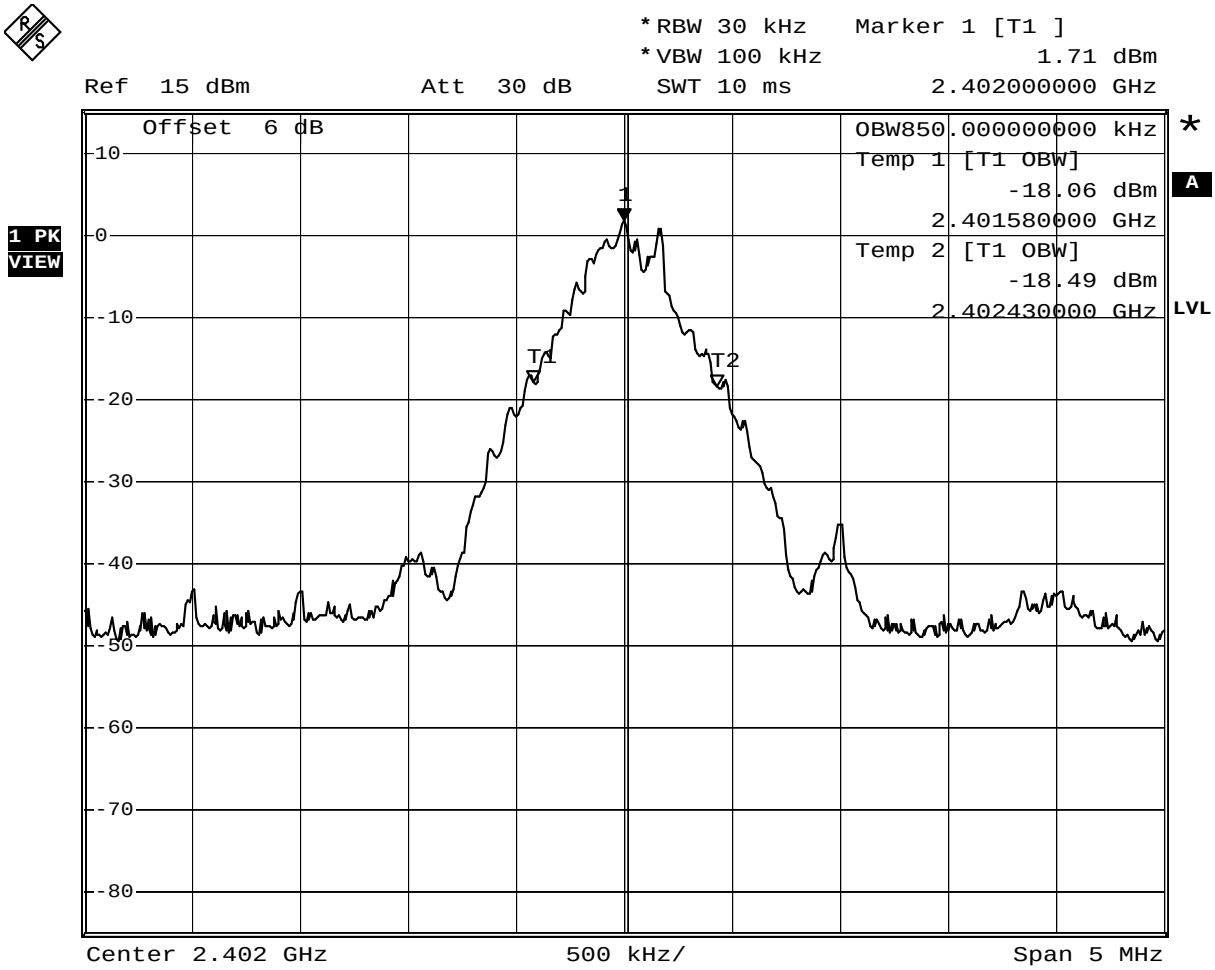
6.1.3 Results

AC power line emissions	
Conducted emission level	
See attached Diagram	
Verdict	PASS

Annex B Transmitter occupied bandwidth

RSS Gen
Occupied Bandwidth

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	GFSK

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Comment: Occupied bandwidth: 850 KHz
Date:      17.MAR.2011  15:24:49
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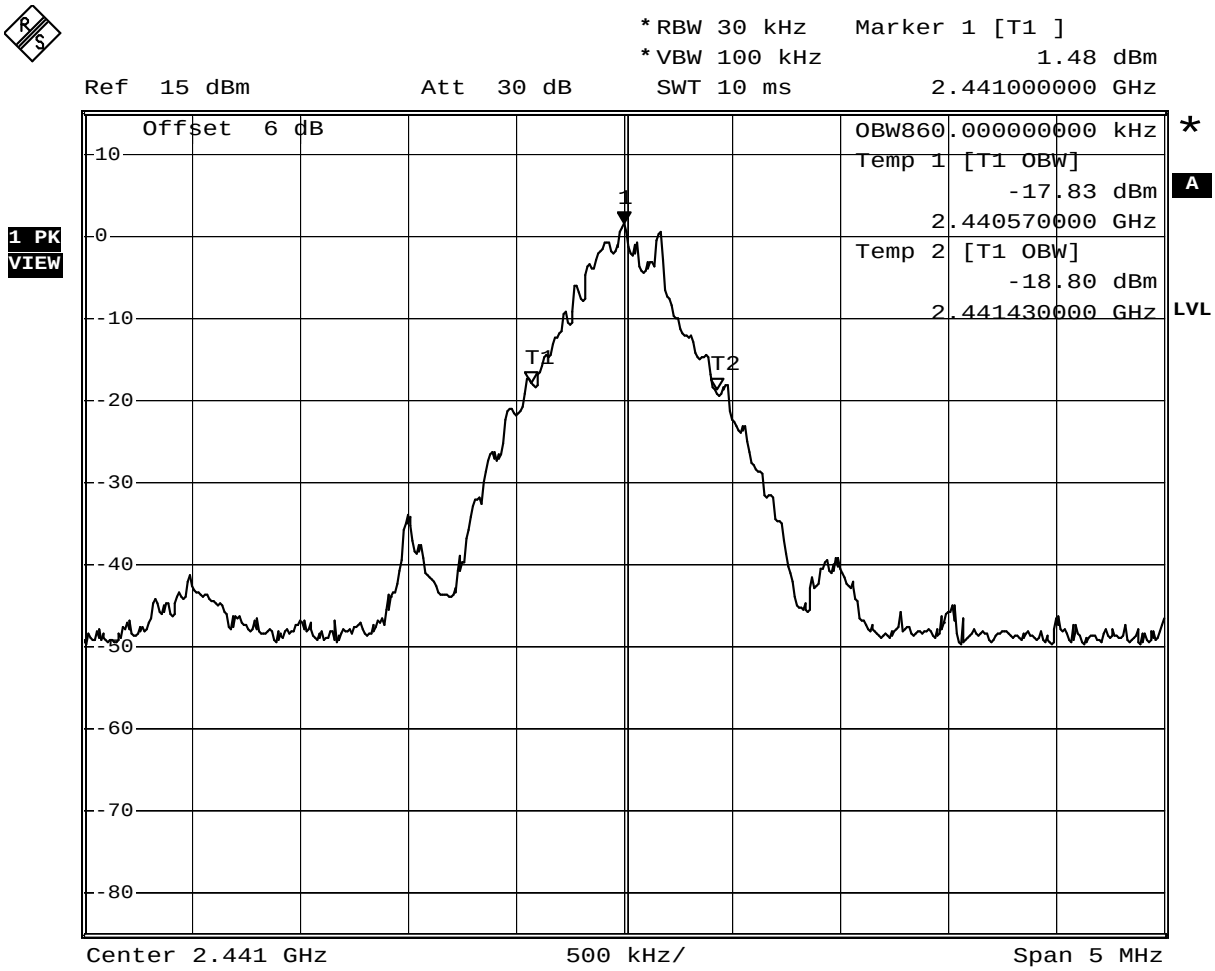
RSS Gen
Occupied Bandwidth

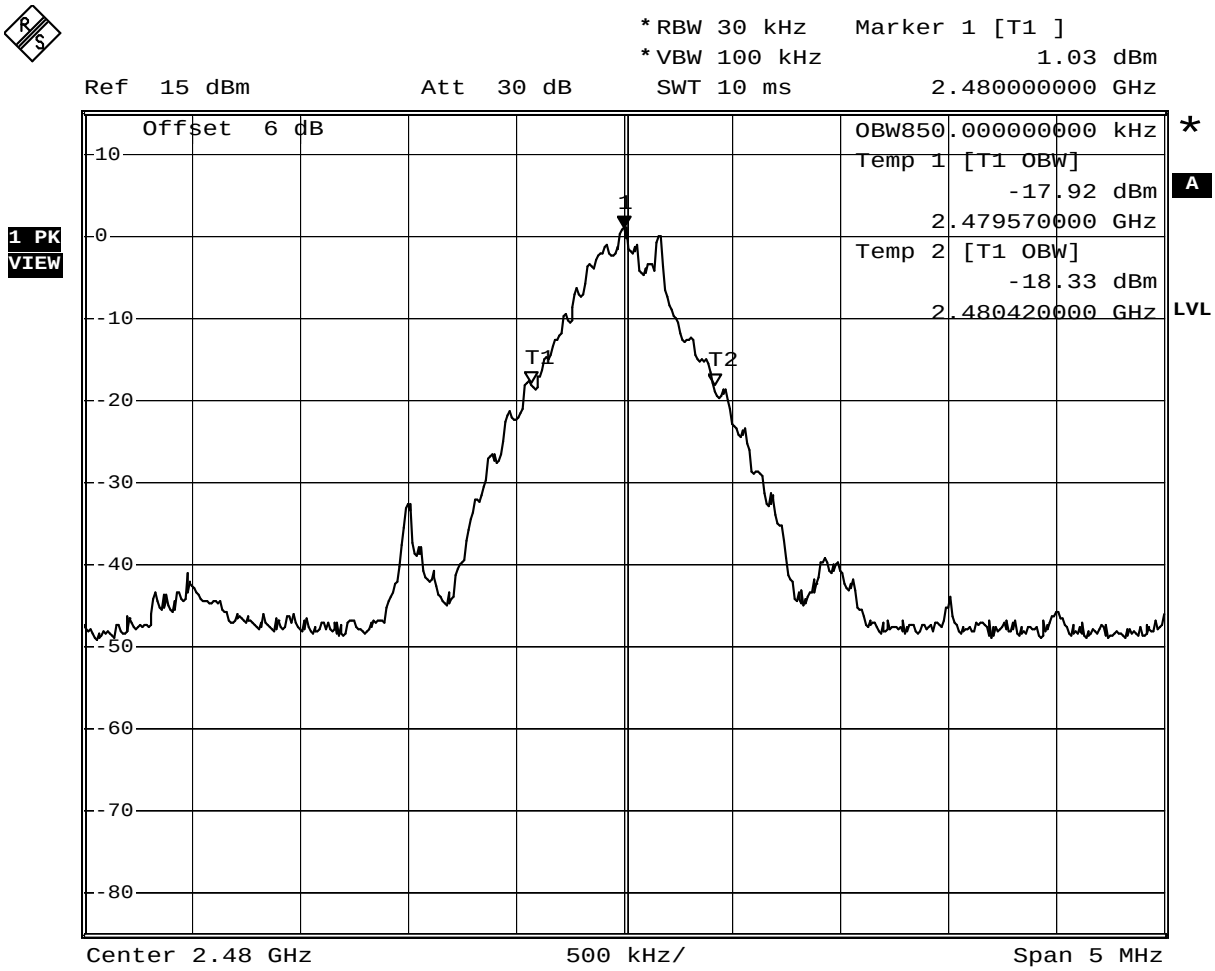
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 39 / 2441 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	GFSK



Comment: Occupied bandwidth: 860 KHz
Date: 17.MAR.2011 15:27:28

RSS Gen
Occupied Bandwidth

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	GFSK

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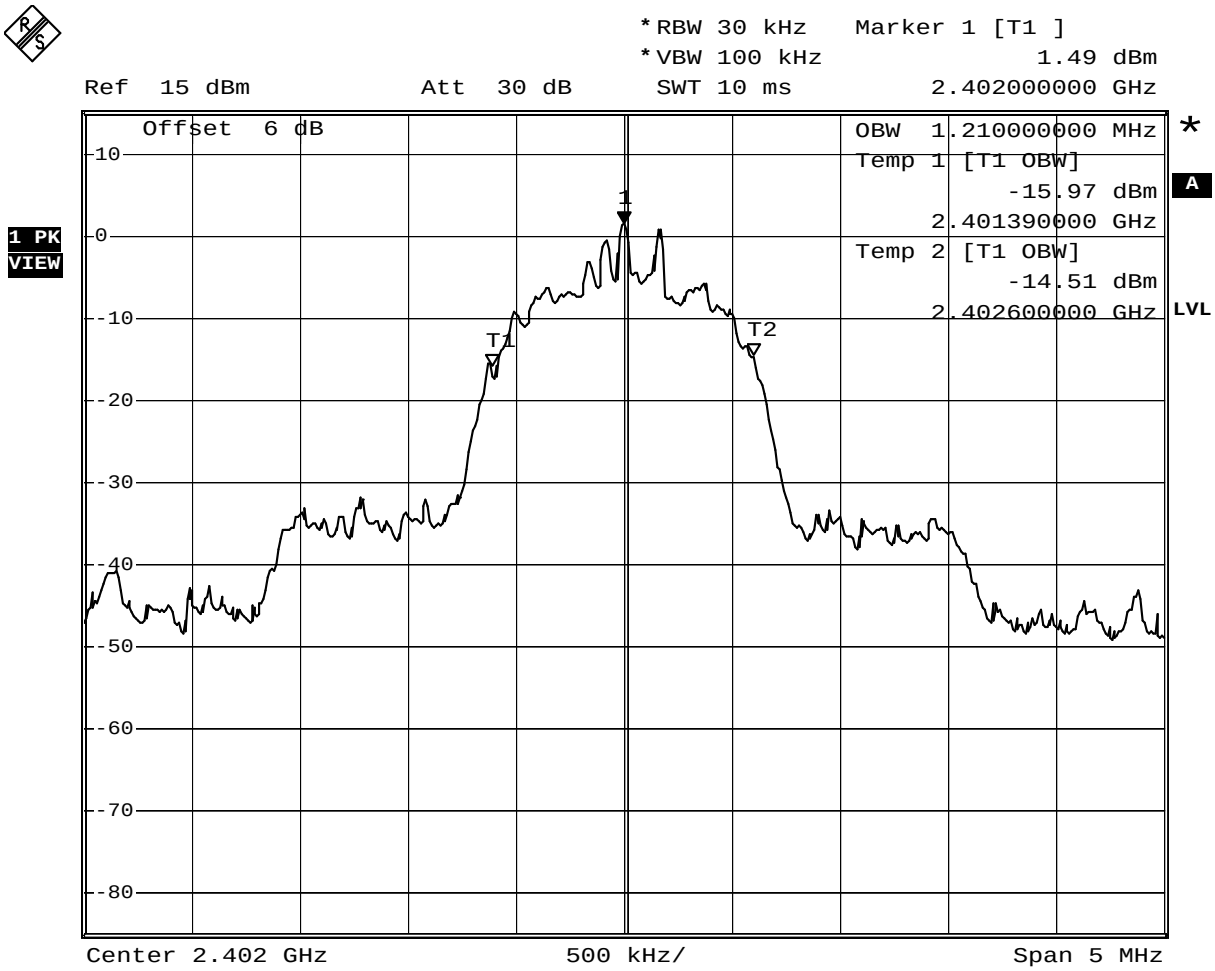
Comment: Occupied bandwidth: 850 KHz
Date:      17.MAR.2011  15:30:24
```

RSS Gen
Occupied Bandwidth

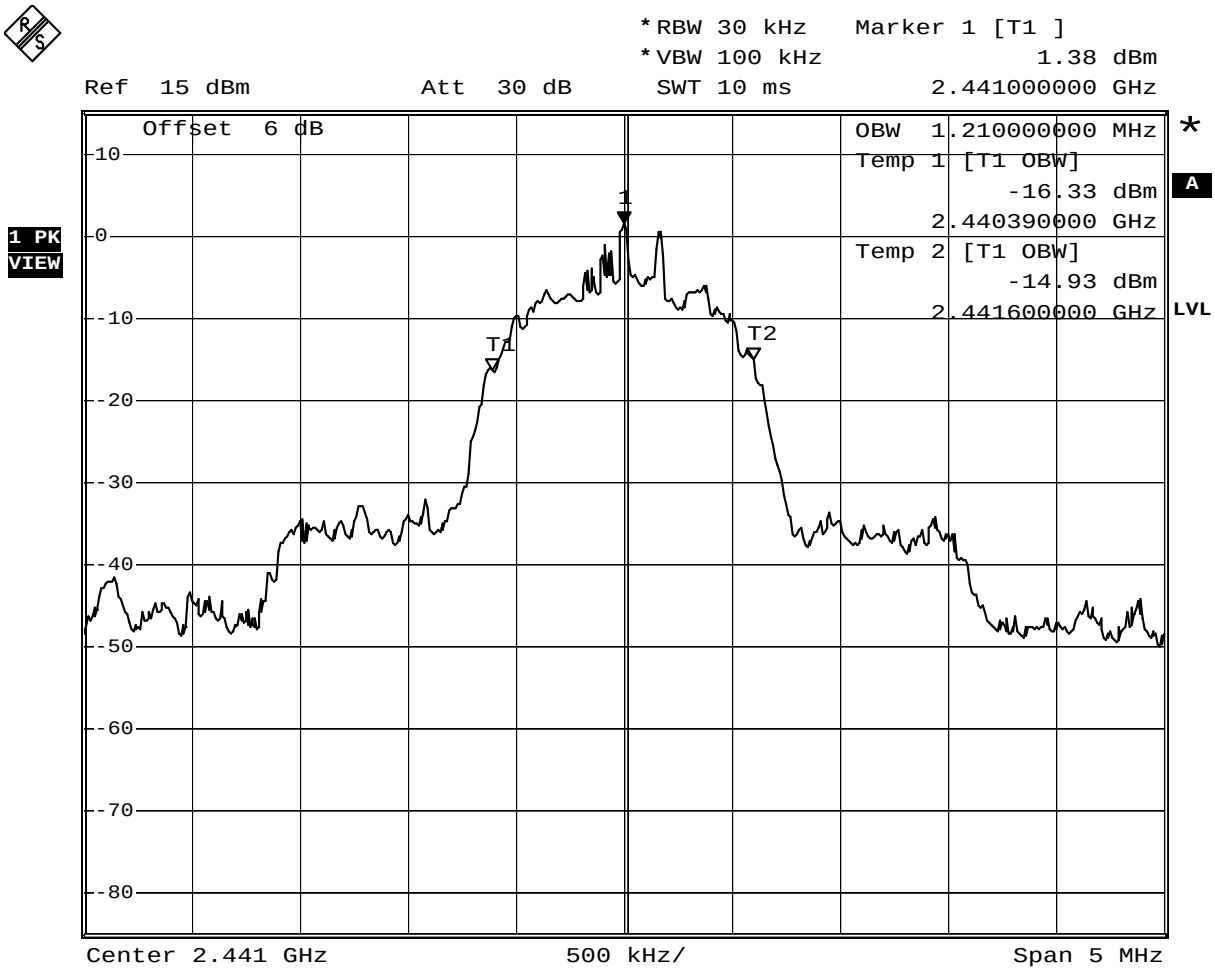
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 0 / 2402 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	8DPSK



Comment: Occupied bandwidth: 1210 KHz
Date: 17.MAR.2011 15:36:34

RSS Gen
Occupied Bandwidth

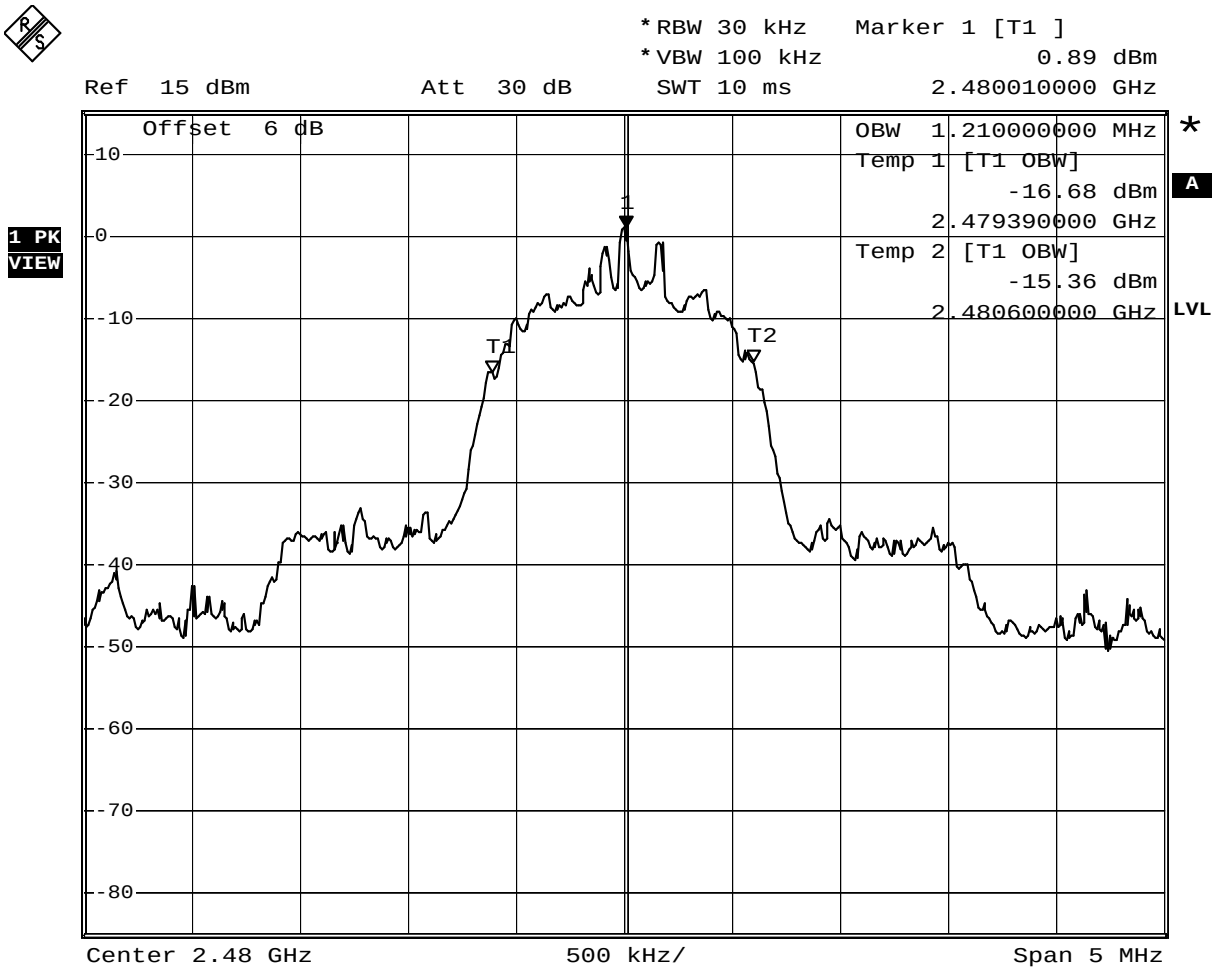
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 39 / 2441 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	8DPSK



Comment: Occupied bandwidth: 1210 KHz
Date: 17.MAR.2011 15:34:26

RSS Gen
Occupied Bandwidth

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 78 / 2480 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	8DPSK

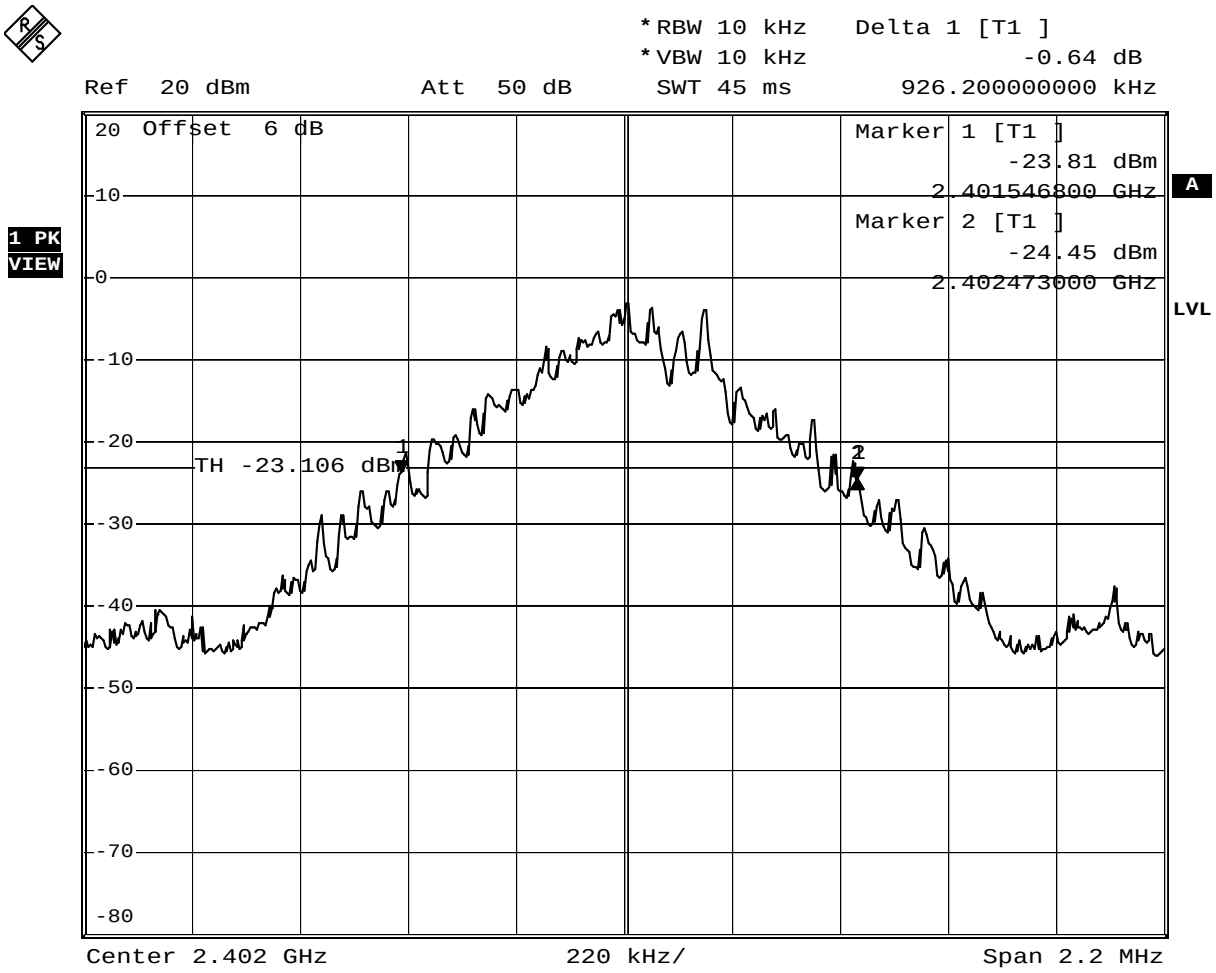


Comment: Occupied bandwidth: 1210 KHz
Date: 17.MAR.2011 15:32:46

Annex C Transmitter 20dB bandwidth

FCC part 15.247
20 dB bandwidth

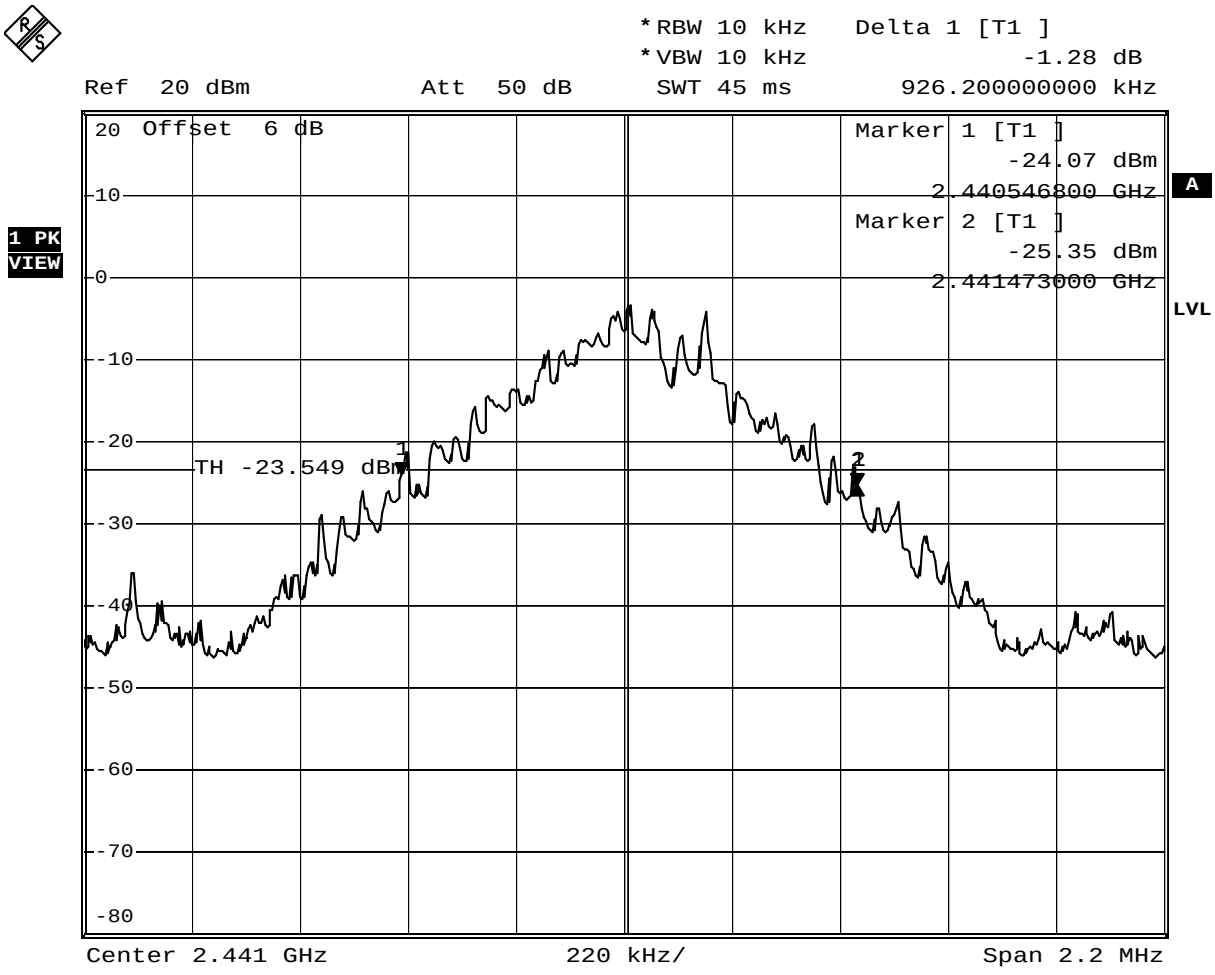
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz / GFSK
Comment 3	pass



Comment: 20 dB bandwidth: 926.2 KHz
Date: 17.MAR.2011 13:33:56

FCC part 15.247
20 dB bandwidth

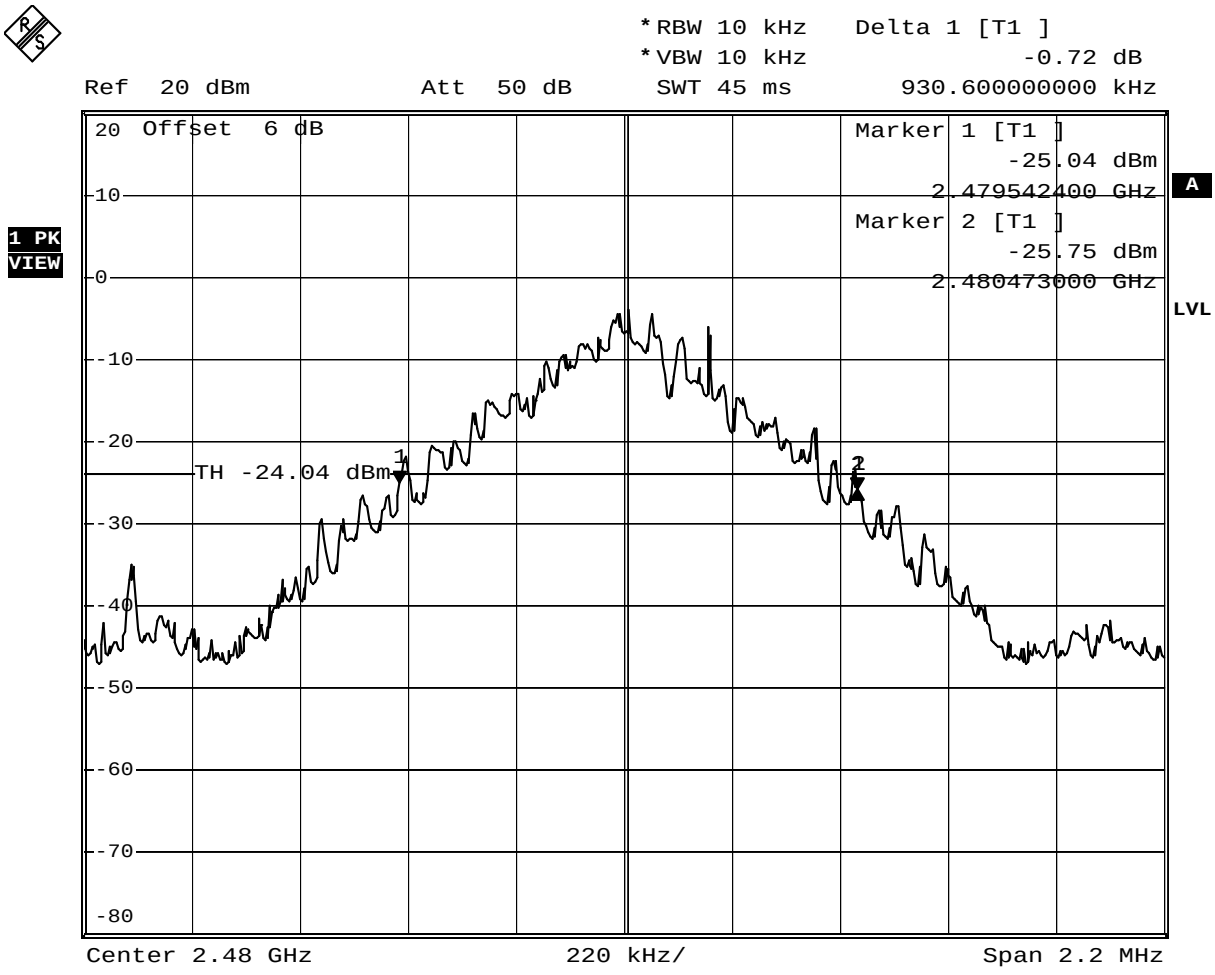
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz / GFSK
Comment 3	pass



Comment: 20 dB bandwidth: 926.2 KHz
Date: 17.MAR.2011 13:37:54

FCC part 15.247
20 dB bandwidth

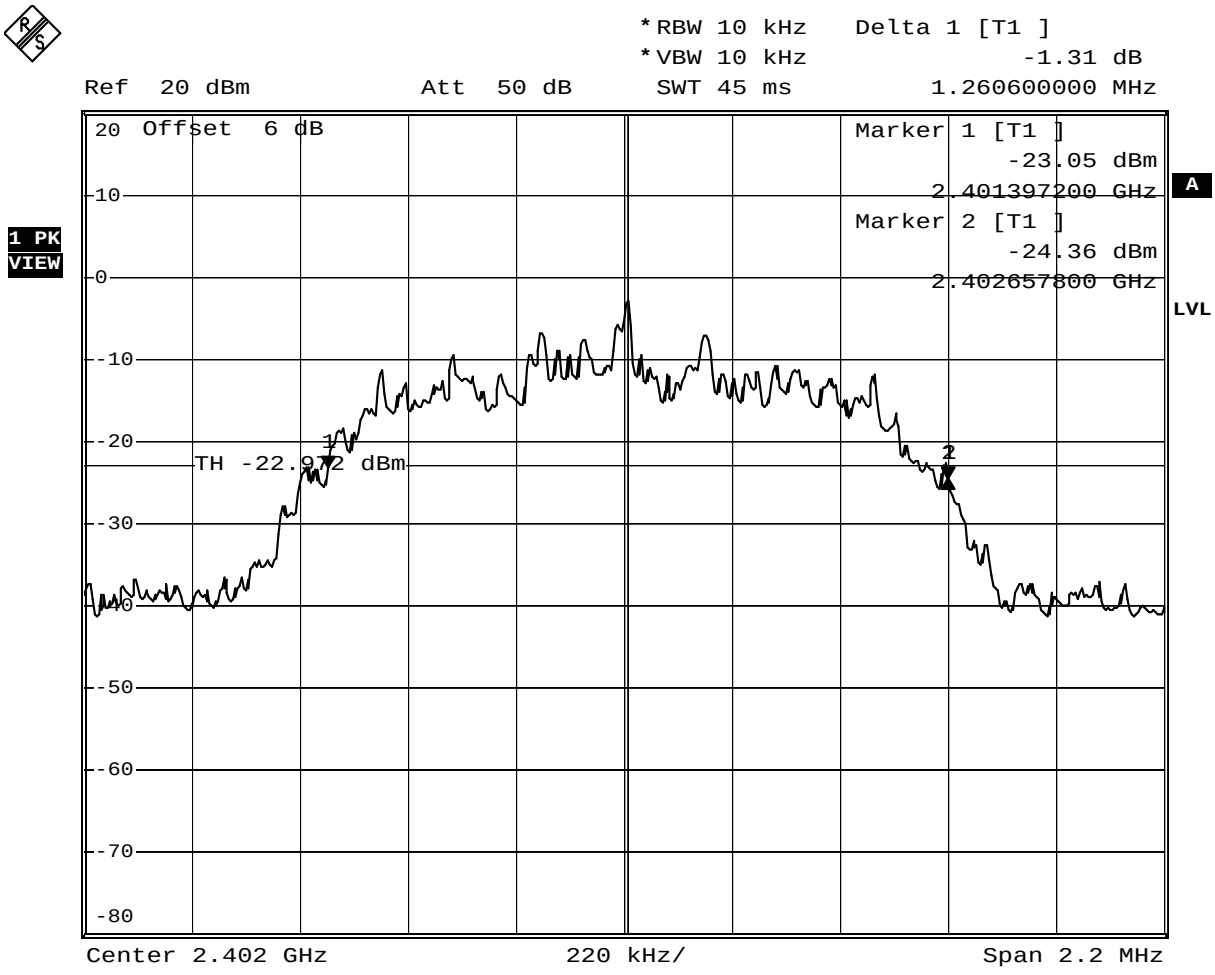
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz / GFSK
Comment 3	pass



Comment: 20 dB bandwidth: 930.6 KHz
Date: 17.MAR.2011 13:39:21

FCC part 15.247
20 dB bandwidth

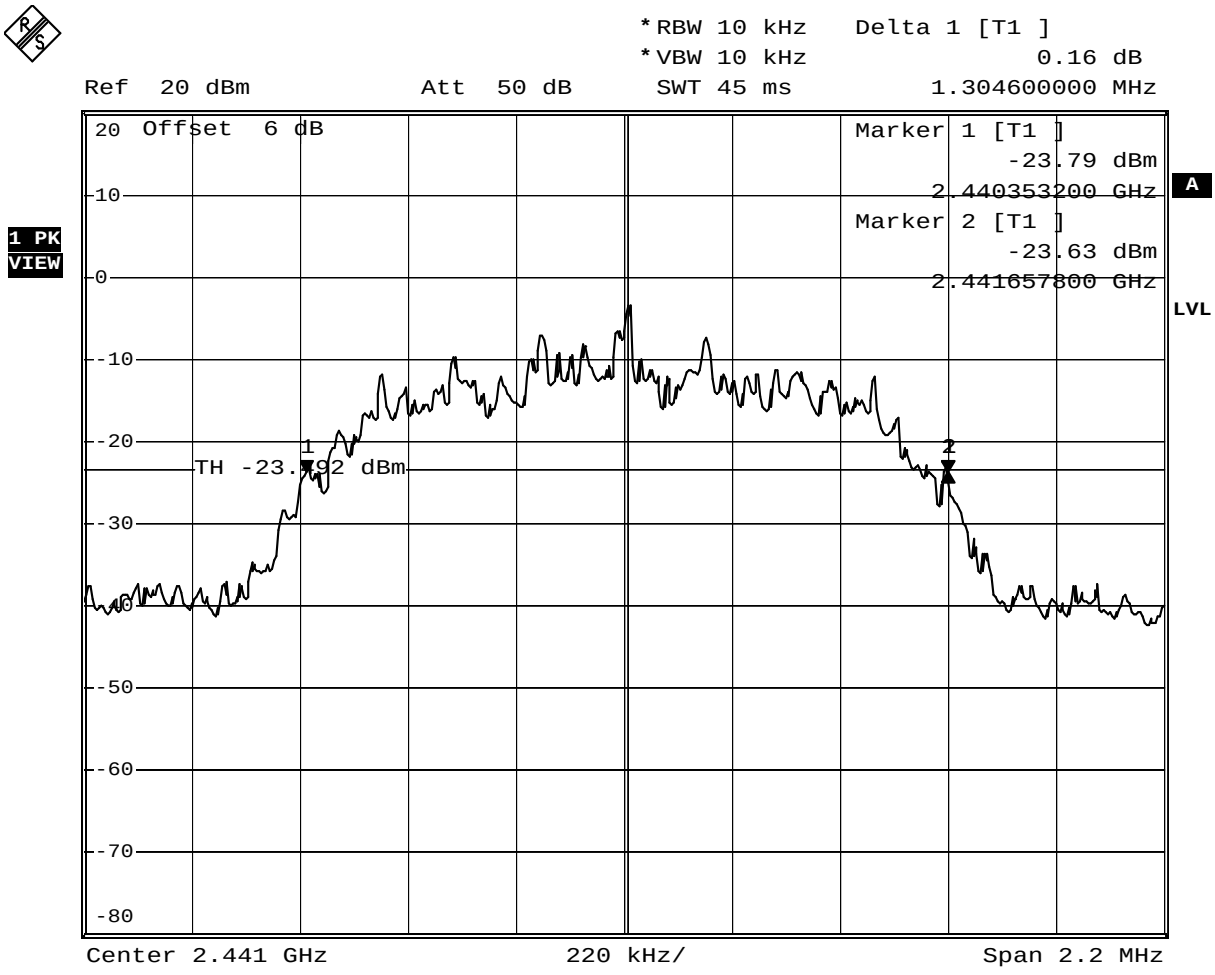
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz / Pi/4-DQPSK
Comment 3	pass



Comment: 20 dB bandwidth: 1260.6 KHz
Date: 17.MAR.2011 13:57:21

FCC part 15.247
20 dB bandwidth

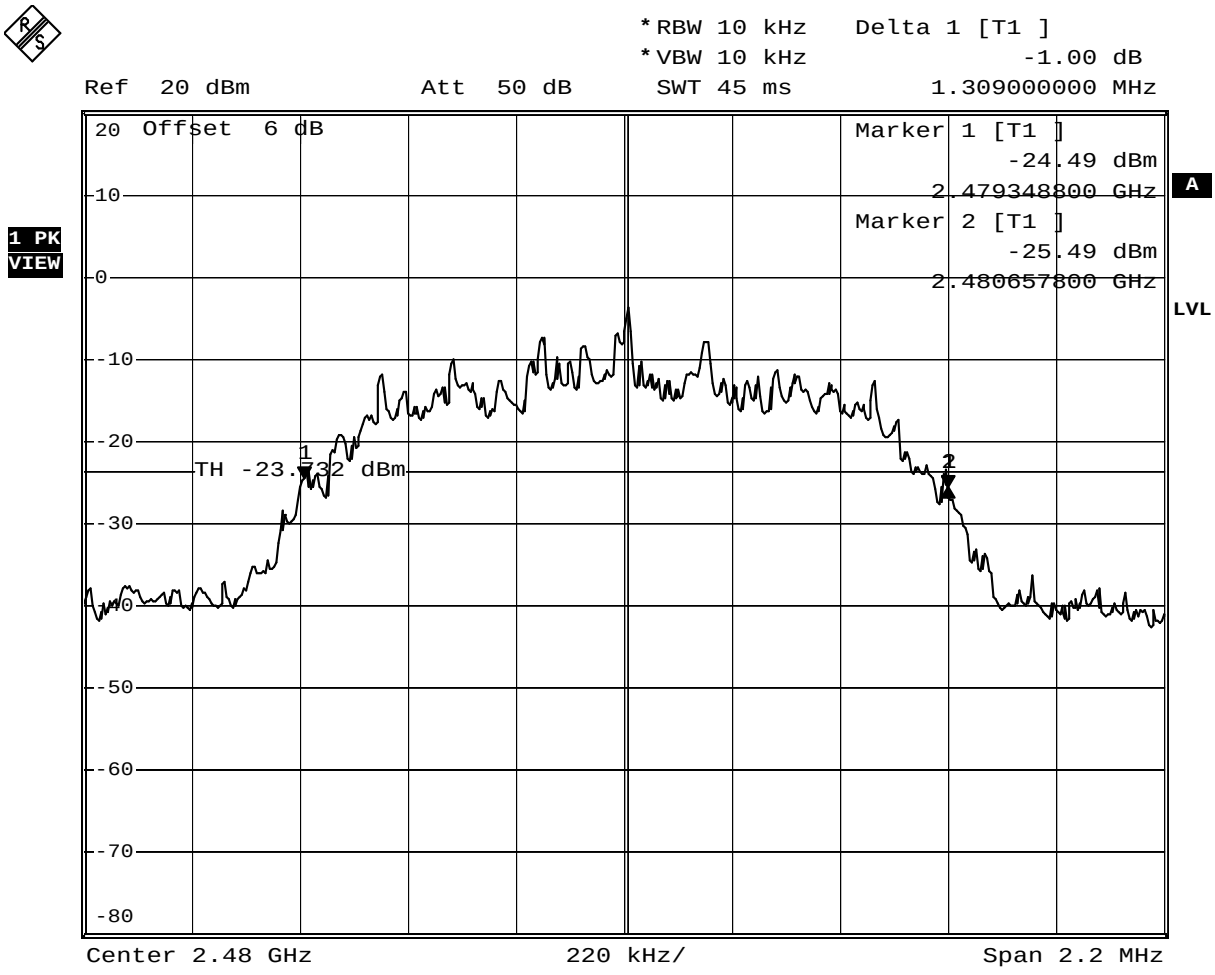
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz / Pi/4-DQPSK
Comment 3	pass



Comment: 20 dB bandwidth: 1304.6 KHz
Date: 17.MAR.2011 13:45:02

FCC part 15.247
20 dB bandwidth

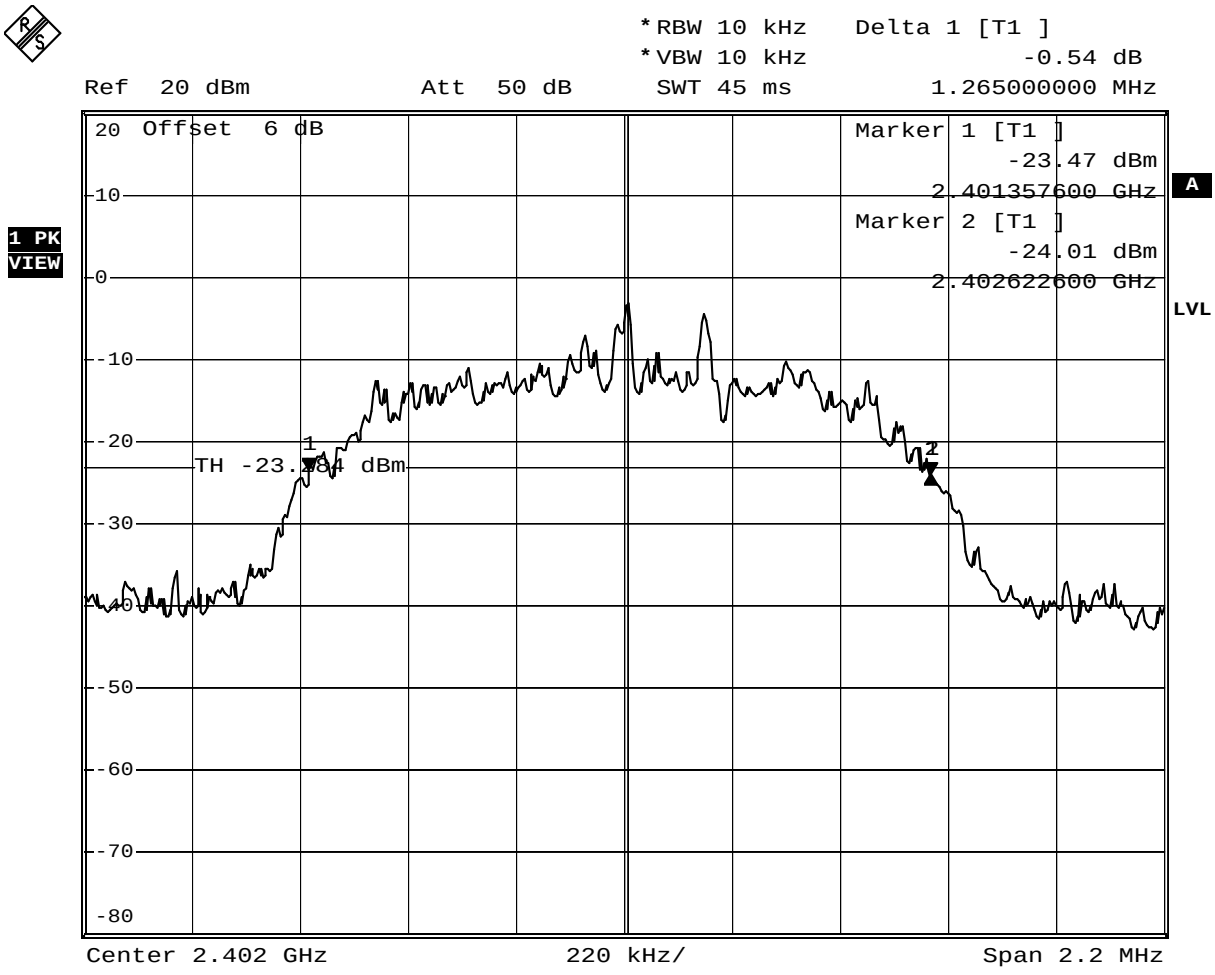
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz / Pi/4-DQPSK
Comment 3	pass



Comment: 20 dB bandwidth: 1309 KHz
Date: 17.MAR.2011 13:41:56

FCC part 15.247
20 dB bandwidth

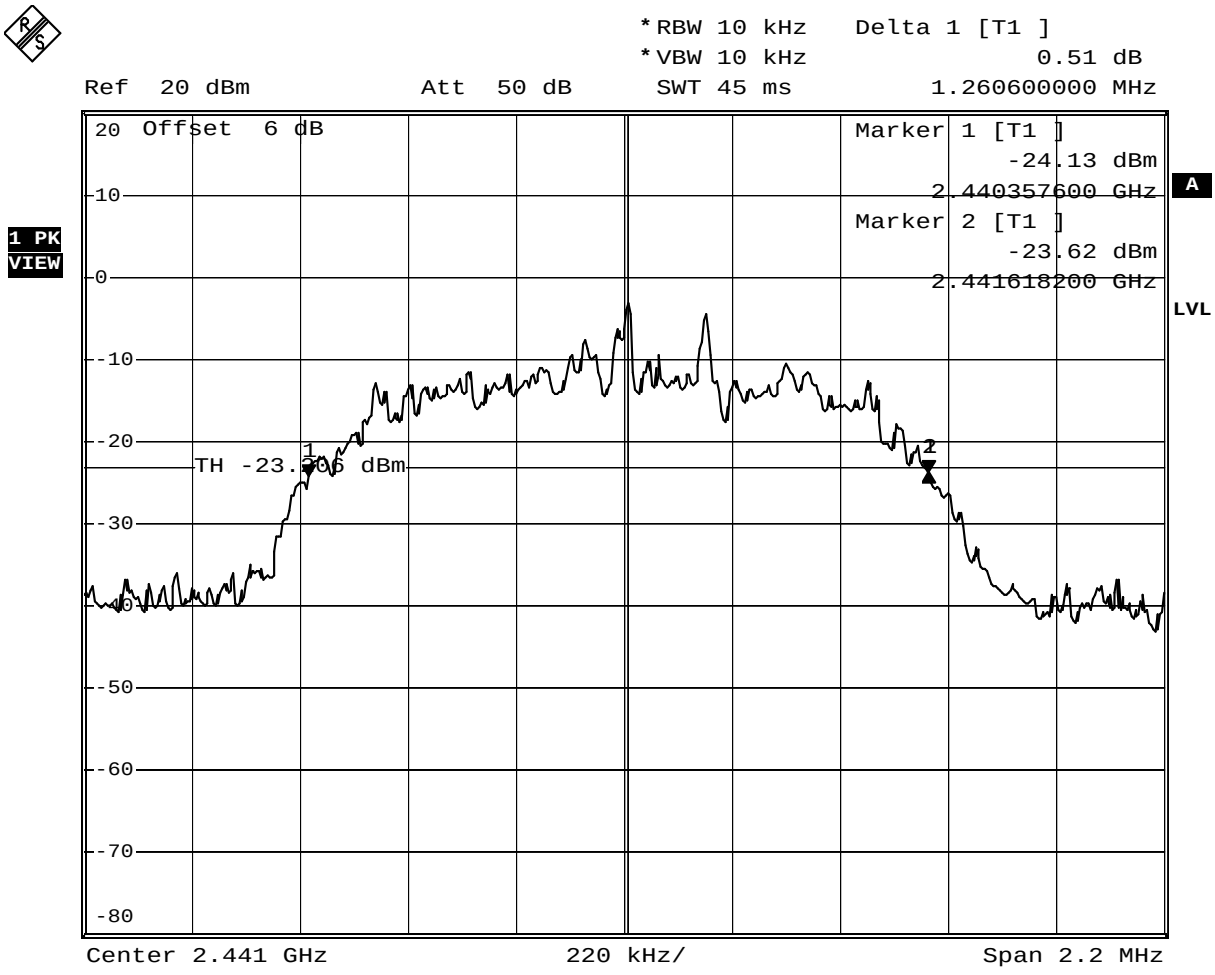
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 0 / 2402 MHz / 8DPSK
Comment 3	pass



Comment: 20 dB bandwidth: 1265 KHz
Date: 17.MAR.2011 13:59:07

FCC part 15.247
20 dB bandwidth

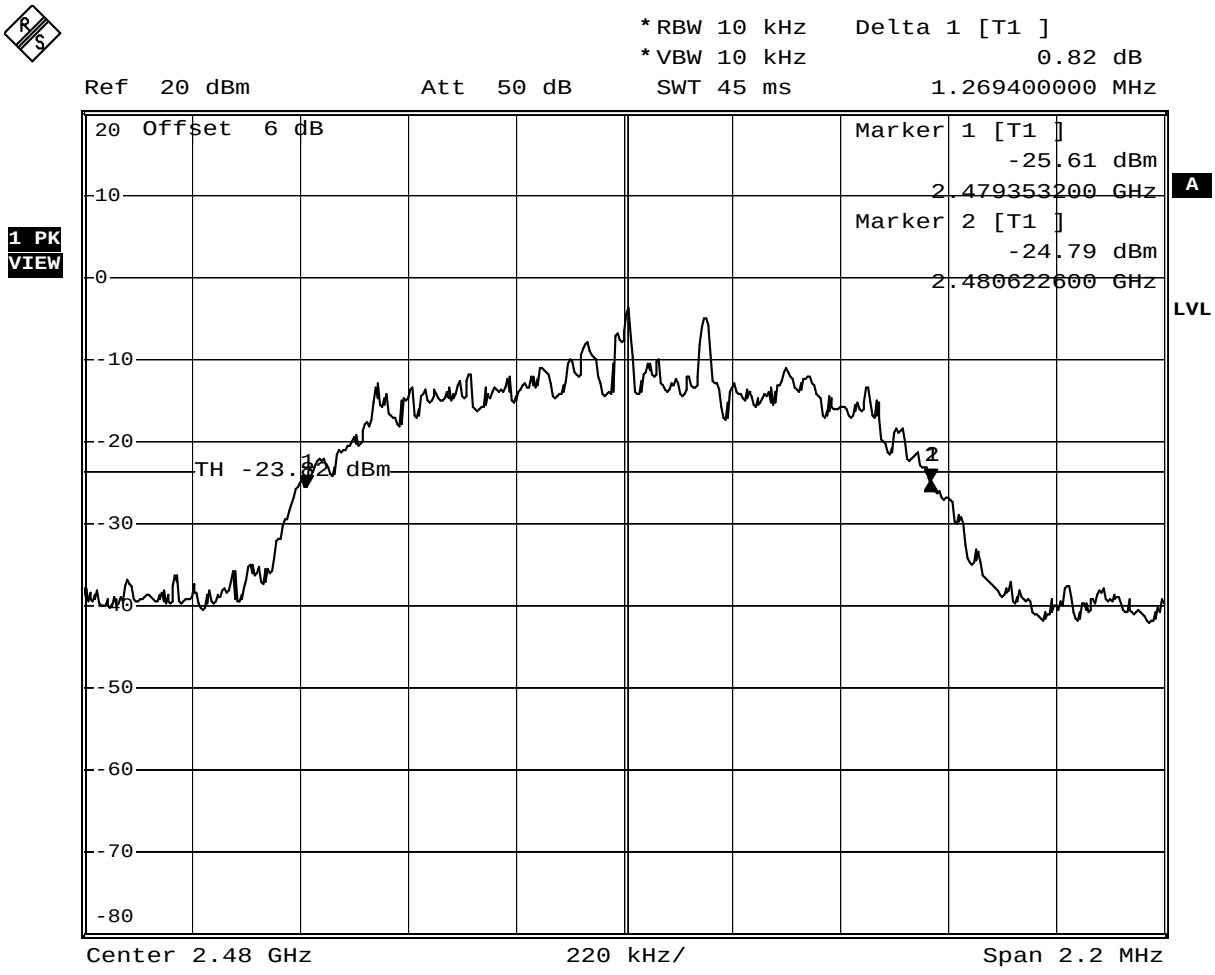
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 39 / 2441 MHz / 8DPSK
Comment 3	pass



Comment: 20 dB bandwidth: 1260.6 KHz
Date: 17.MAR.2011 14:01:52

FCC part 15.247
20 dB bandwidth

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	20 dB bandwidth
Comment 2	Channel.: 78 / 2480 MHz / 8DPSK
Comment 3	pass

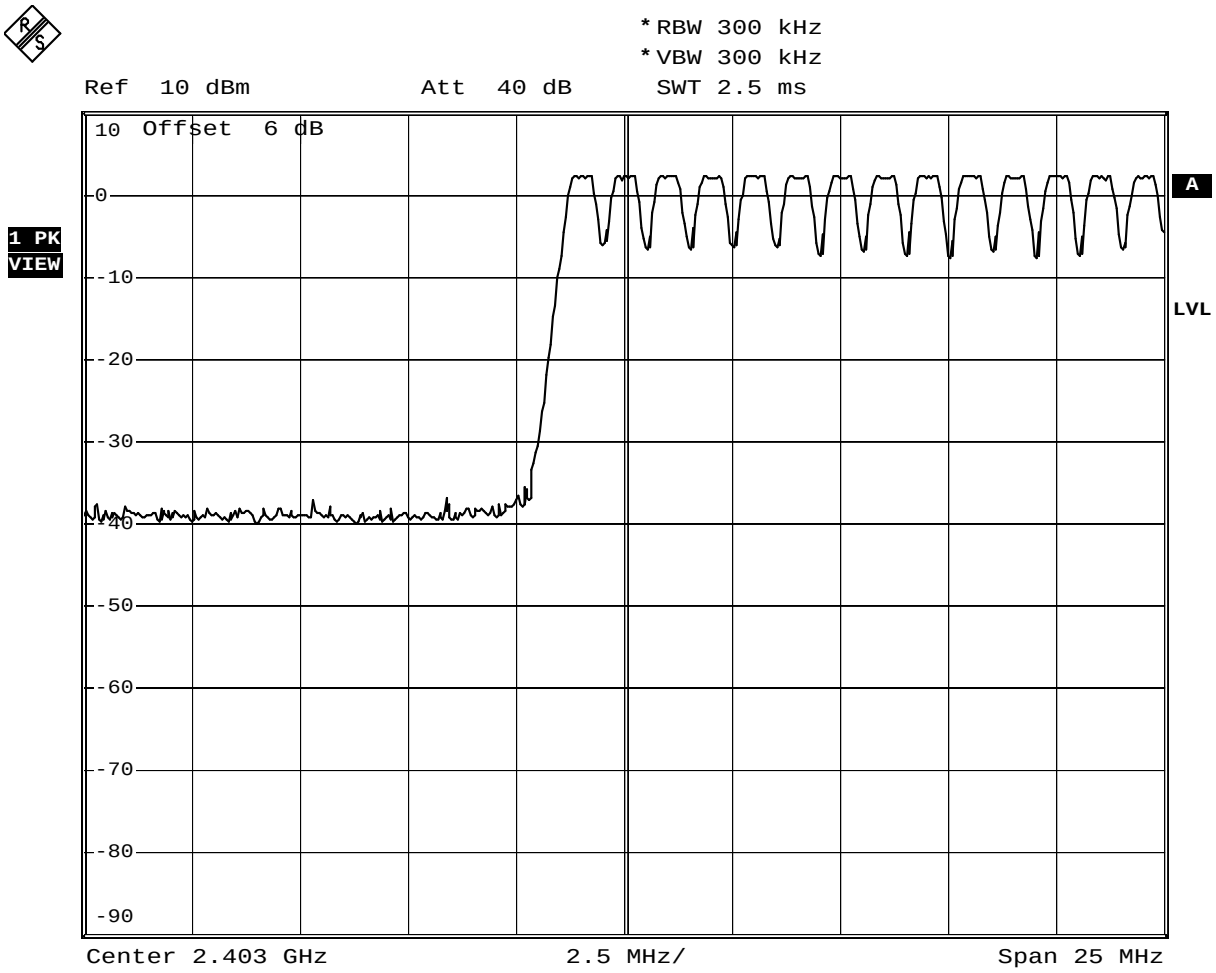


Comment: 20 dB bandwidth: 1269.4 KHz
Date: 17.MAR.2011 14:04:23

Annex D Hopping channels

FCC part 15.247
Number of hopping frequencies

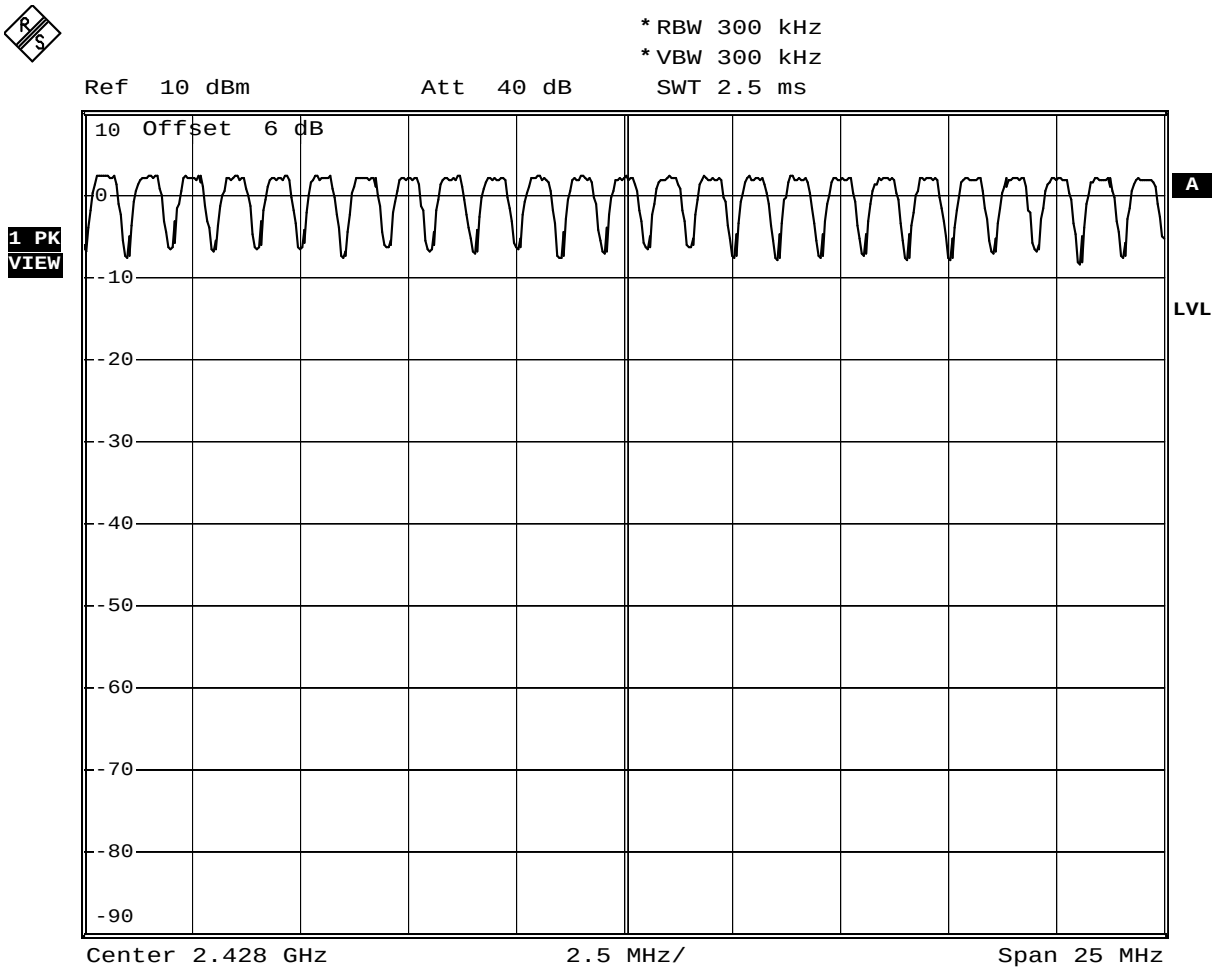
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 0-13
Comment 3	pass



Comment: Number of hopping frequencies
Date: 17.MAR.2011 10:51:31

FCC part 15.247
Number of hopping frequencies

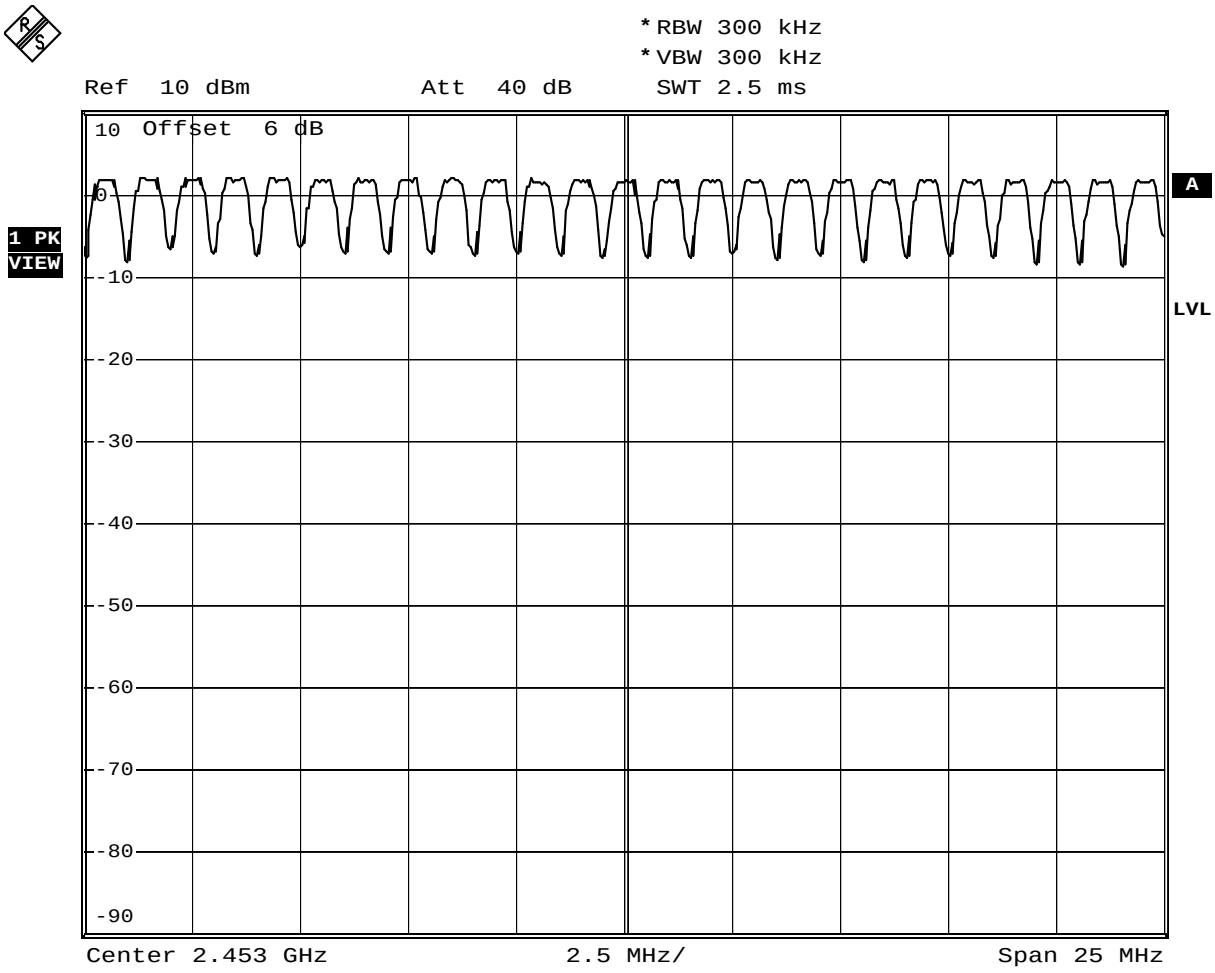
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 14-38
Comment 3	pass



Comment: Number of hopping frequencies
Date: 17.MAR.2011 10:54:35

FCC part 15.247
Number of hopping frequencies

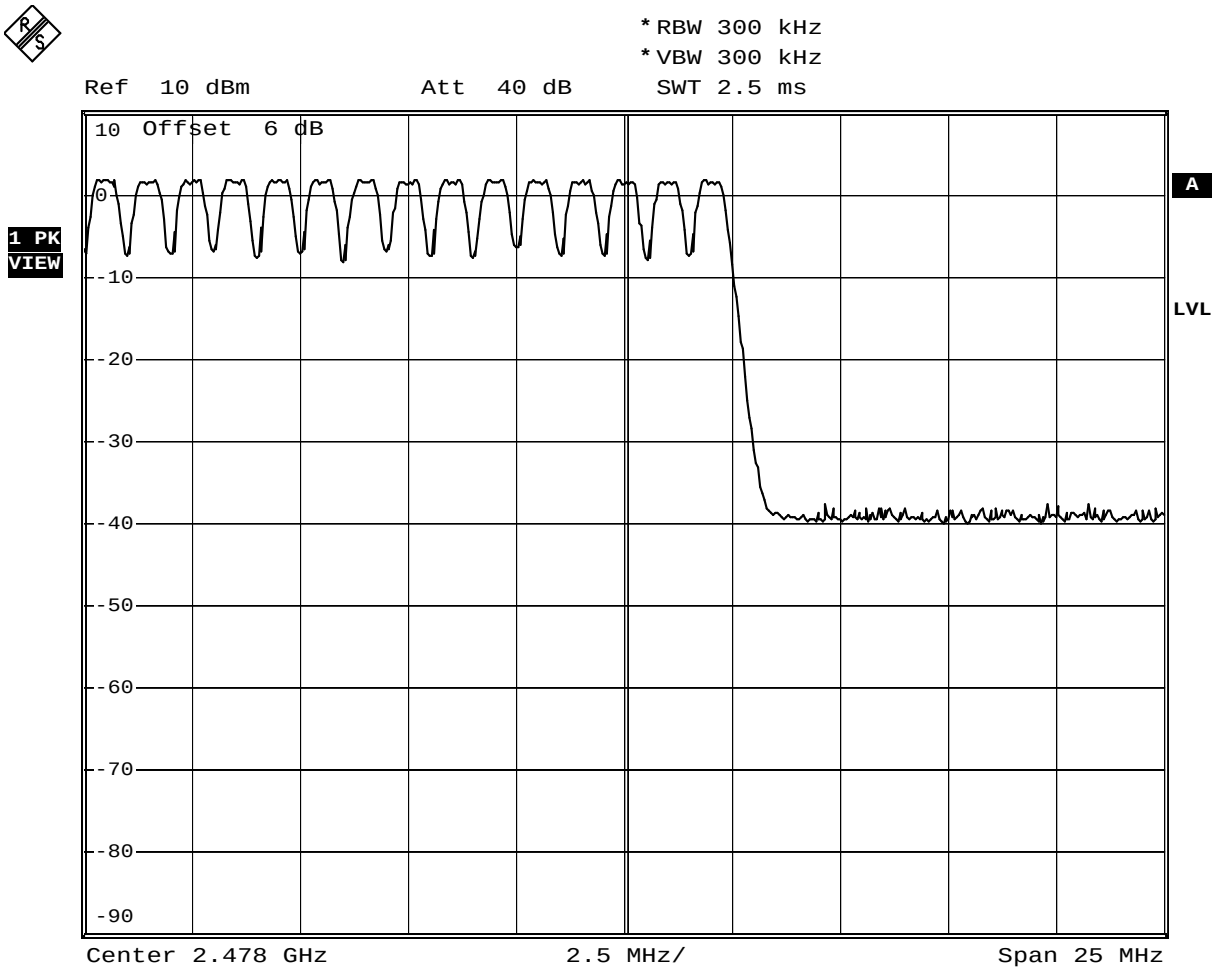
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.:39-63
Comment 3	pass



Comment: Number of hopping frequencies
Date: 17.MAR.2011 10:57:53

FCC part 15.247
Number of hopping frequencies

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Number of hopping frequencies
Comment 2	Channel.: 64-78
Comment 3	pass

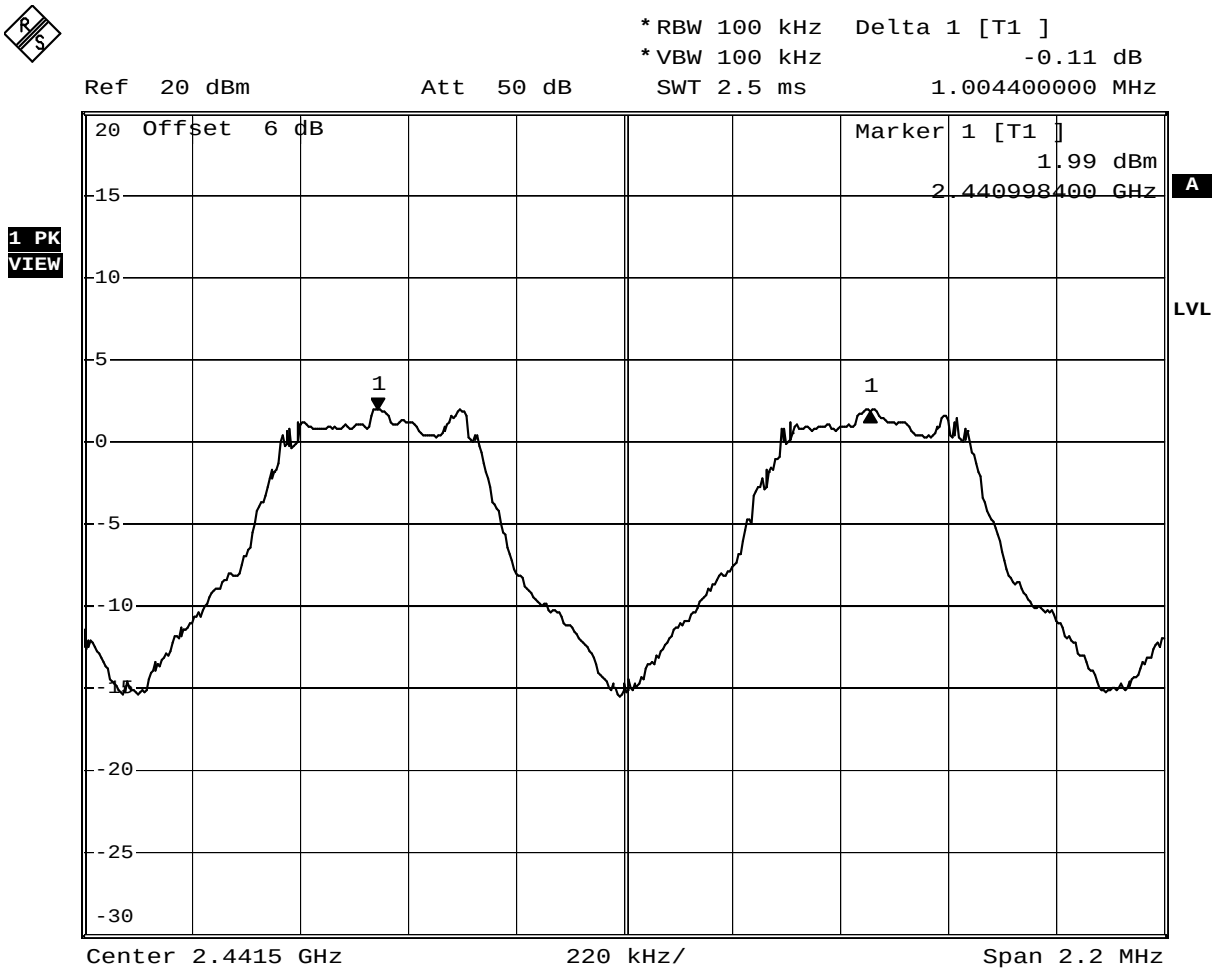


Comment: Number of hopping frequencies
Date: 17.MAR.2011 11:02:36

Annex E Hopping channel separation

FCC part 15.247
Carrier frequency separation

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)(1)
Comment 1	Carrier frequency separation
Comment 2	Channel.: 39/40 / 2441/2442 MHz
Comment 3	Hopping mode

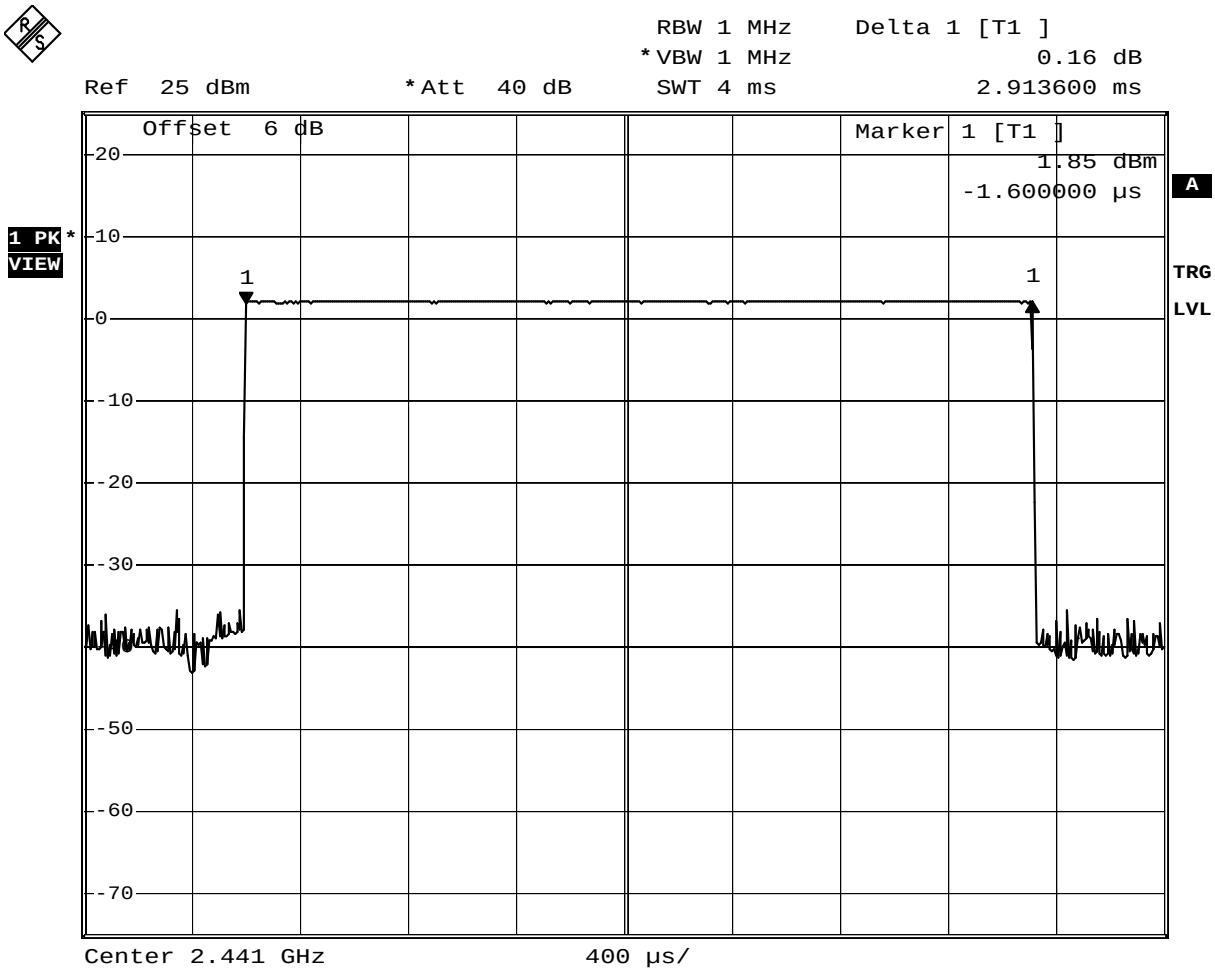


Date: 17.MAR.2011 11:21:58

Annex F Time of occupancy

FCC part 15.247
Time of occupancy (dwell time)

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(a)
Comment 1	Time of occupancy
Comment 2	Channel.: 39 / 2441 MHz (Hopping mode)
Comment 3	63 events * 2.913 ms result: 183.5 ms

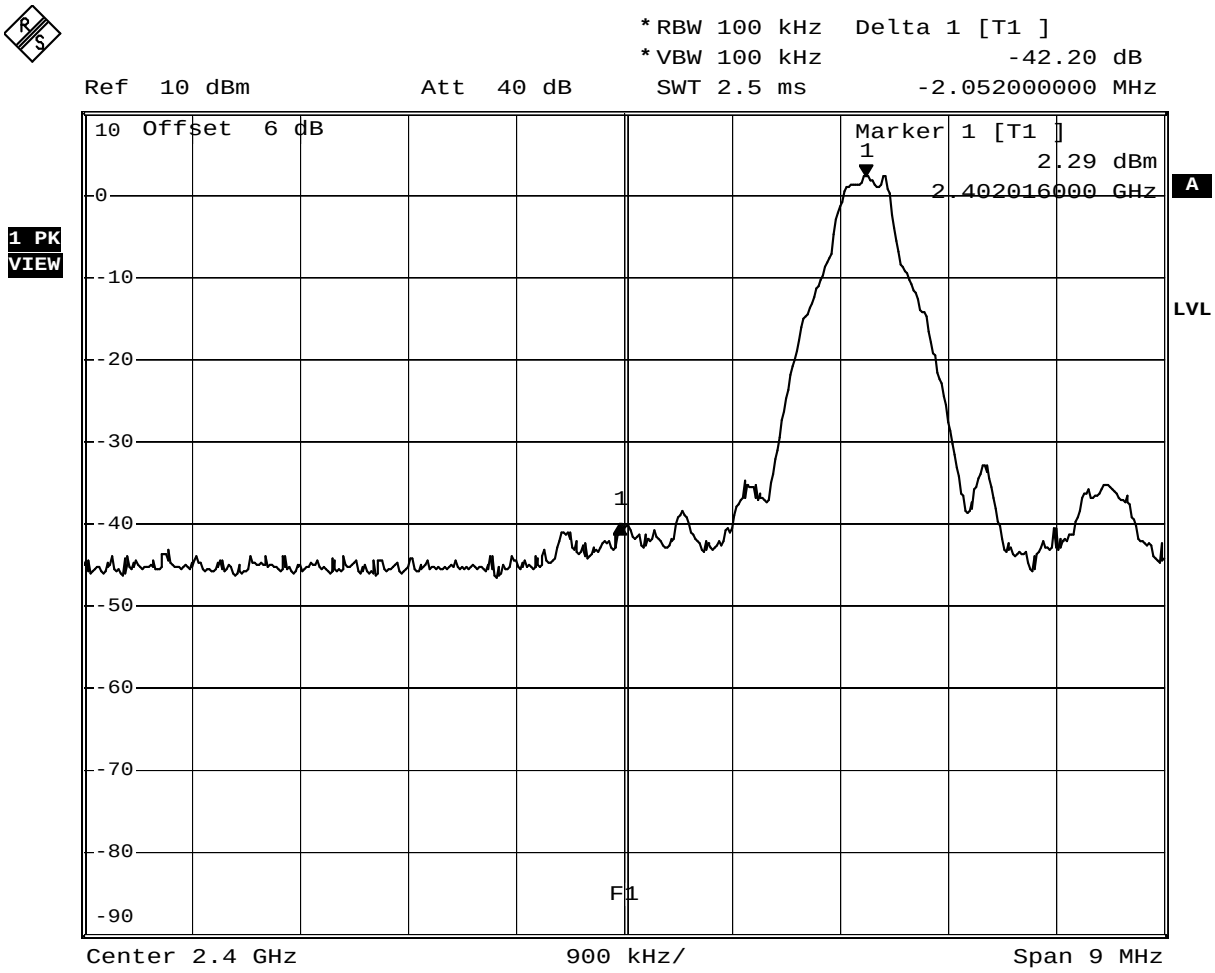


Date: 17.MAR.2011 11:26:38

Annex G Band edge compliance

FCC part 15.247
Band-edge compliance of RF conducted emissions

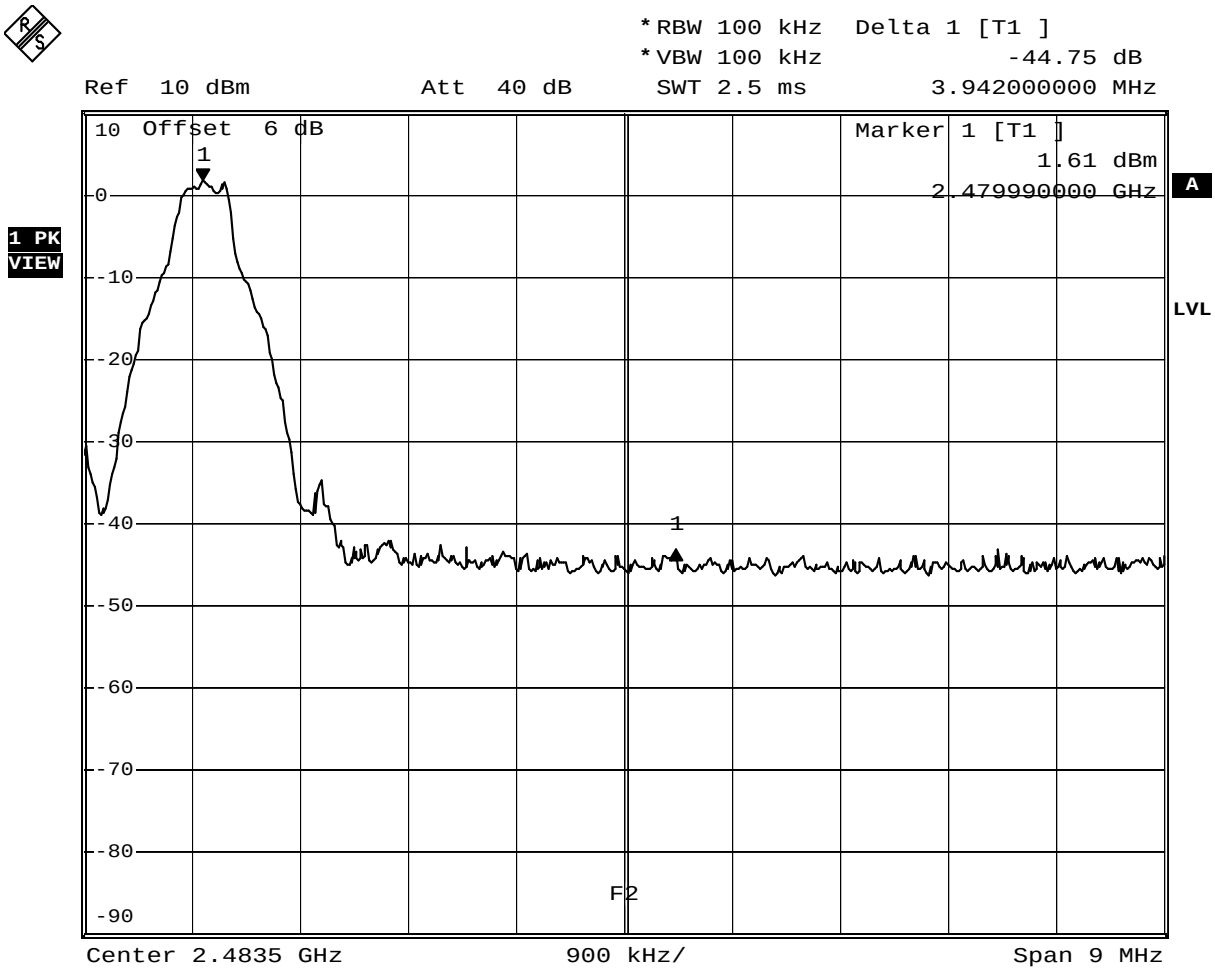
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, GFSK
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 14:41:15

FCC part 15.247
Band-edge compliance of RF conducted emissions

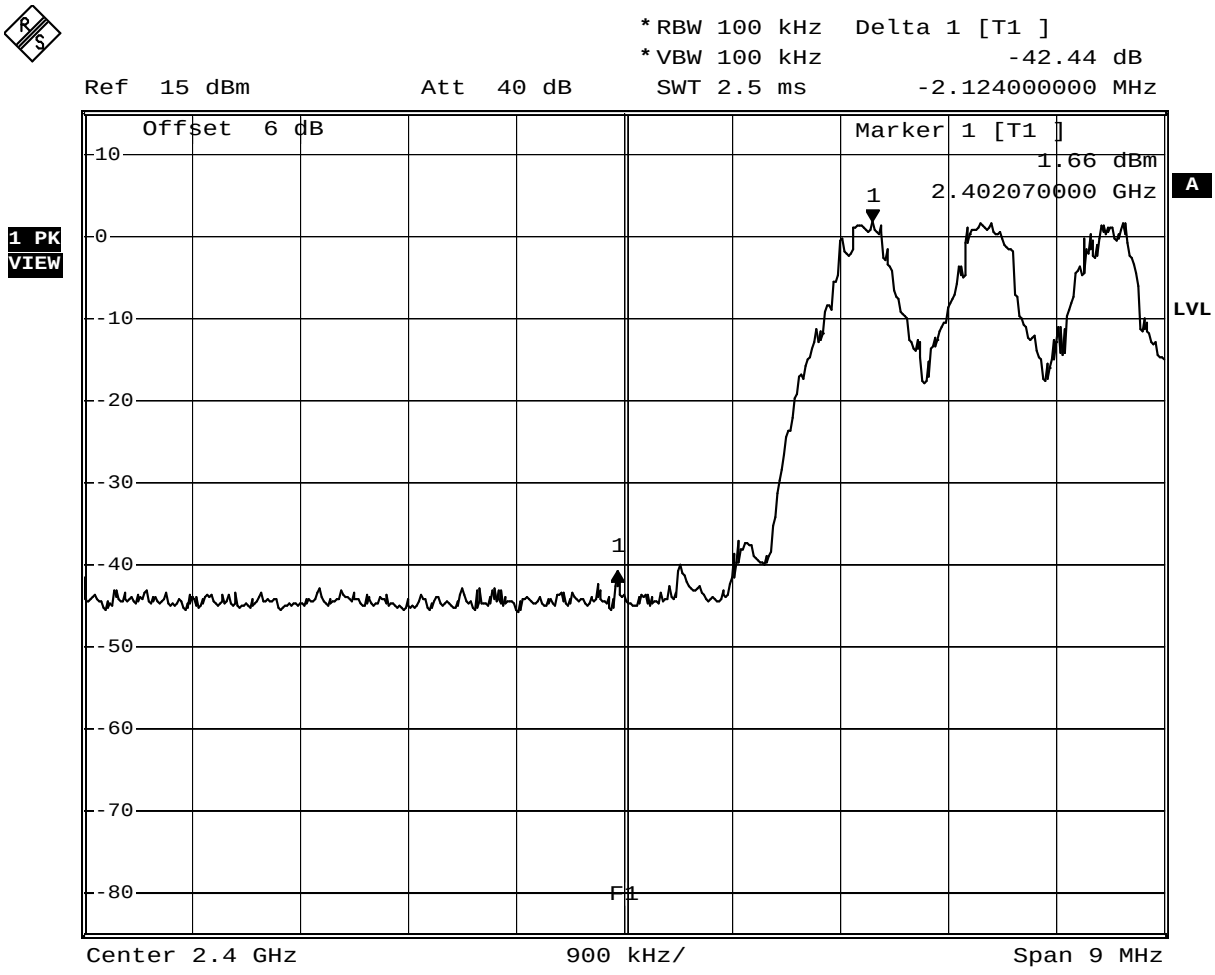
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, GFSK
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 14:44:01

FCC part 15.247
Band-edge compliance of RF conducted emissions

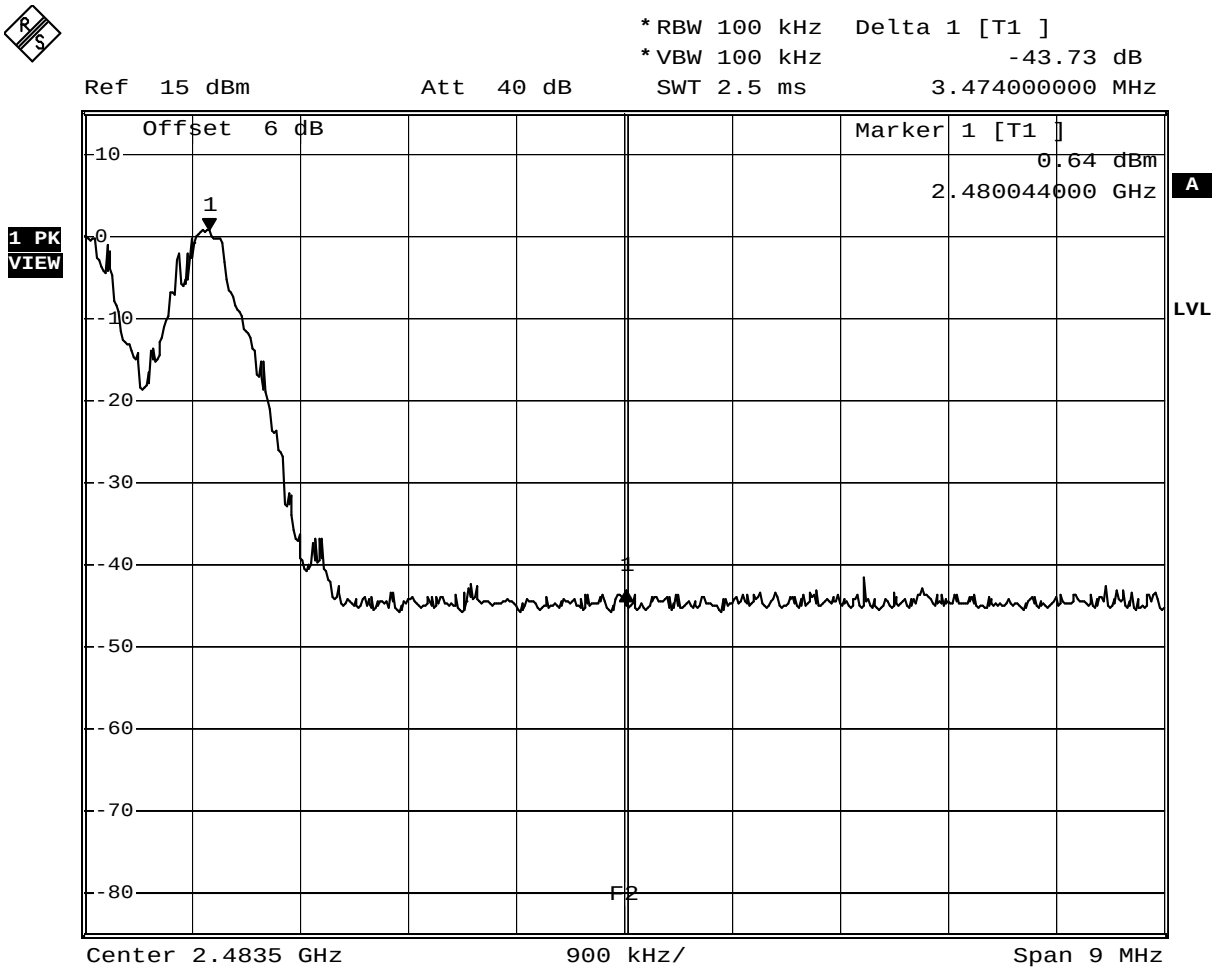
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, GFSK
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:02:43

FCC part 15.247
Band-edge compliance of RF conducted emissions

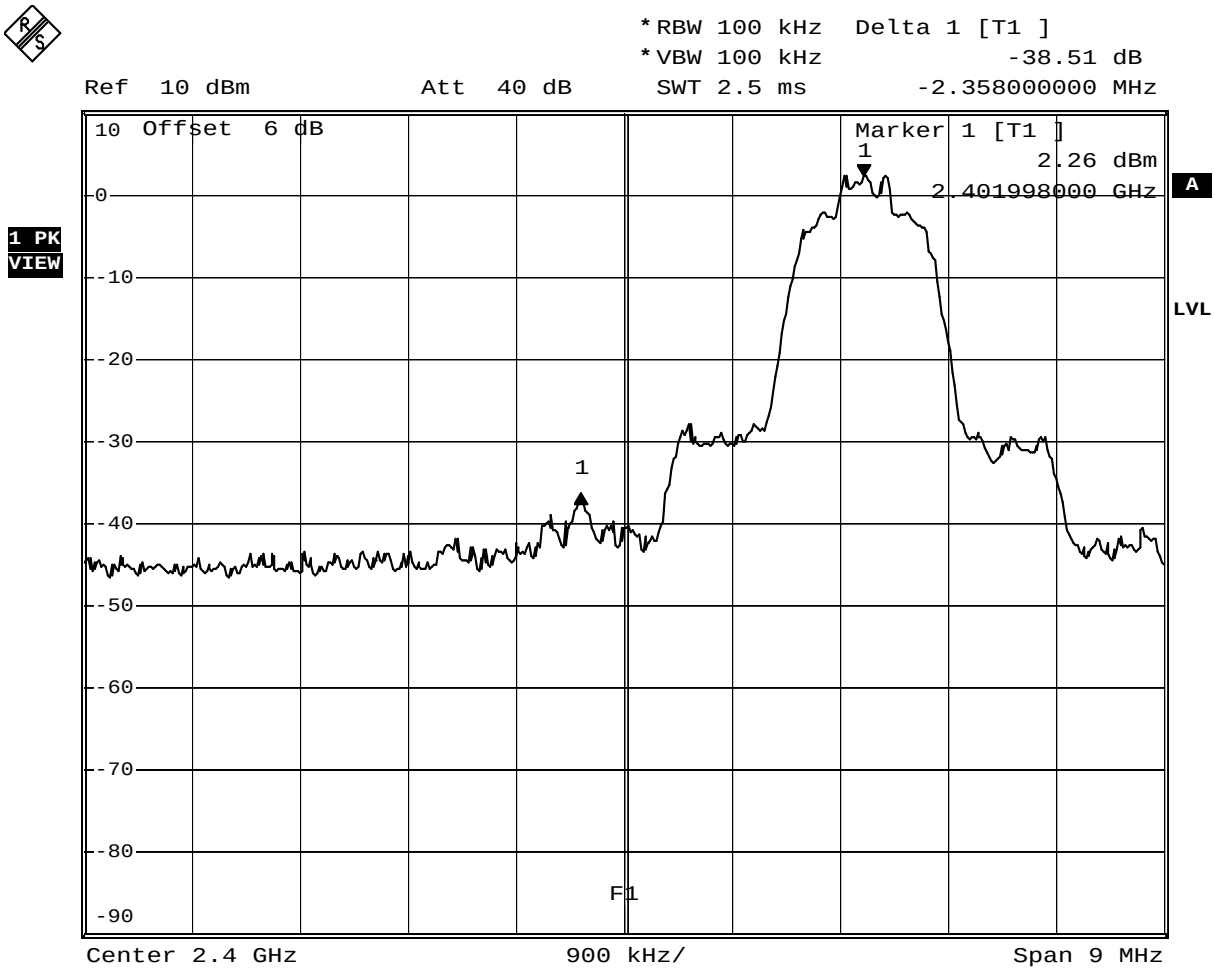
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, GFSK
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:00:17

FCC part 15.247
Band-edge compliance of RF conducted emissions

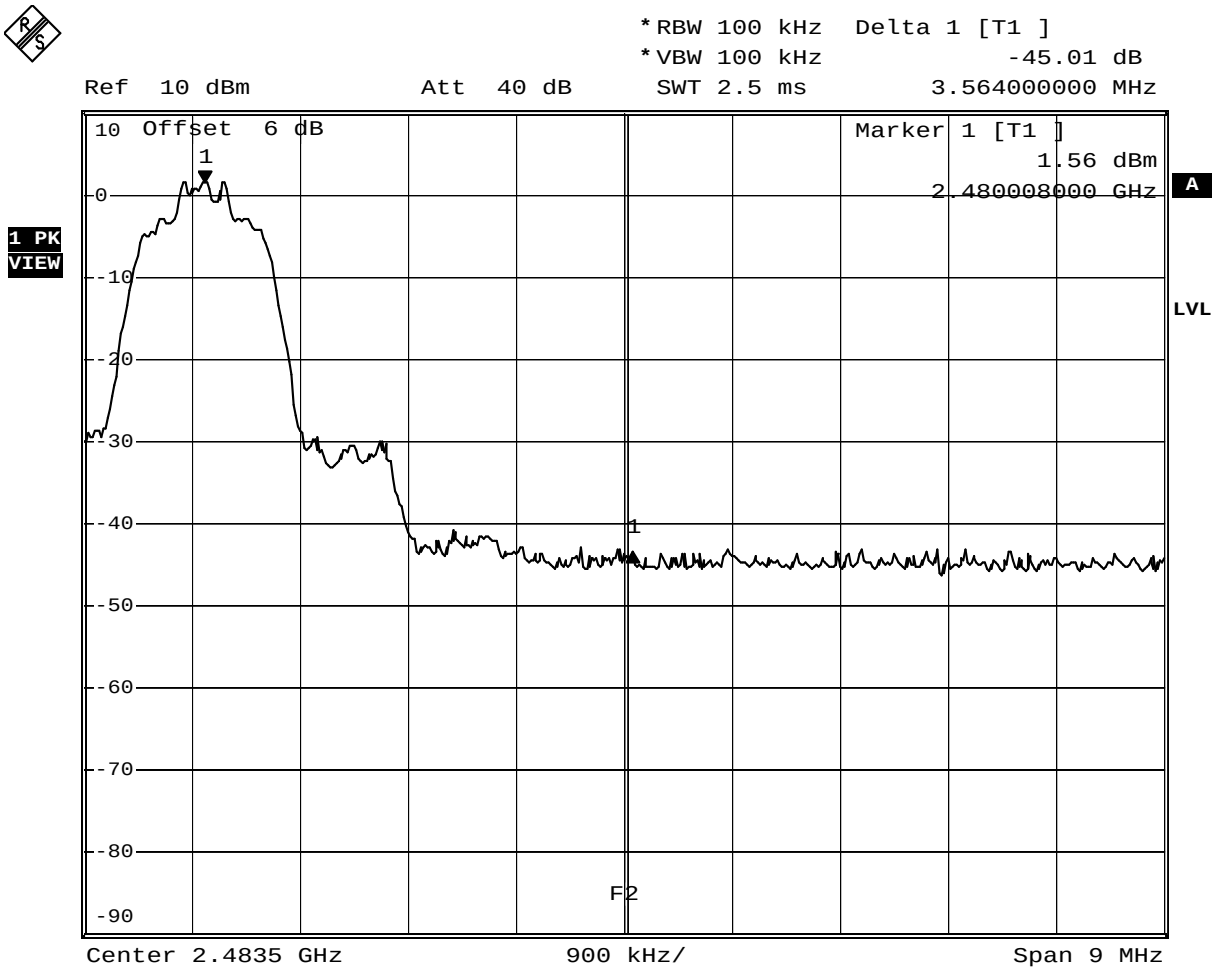
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, Pi/4-DQPSK
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 14:48:35

FCC part 15.247
Band-edge compliance of RF conducted emissions

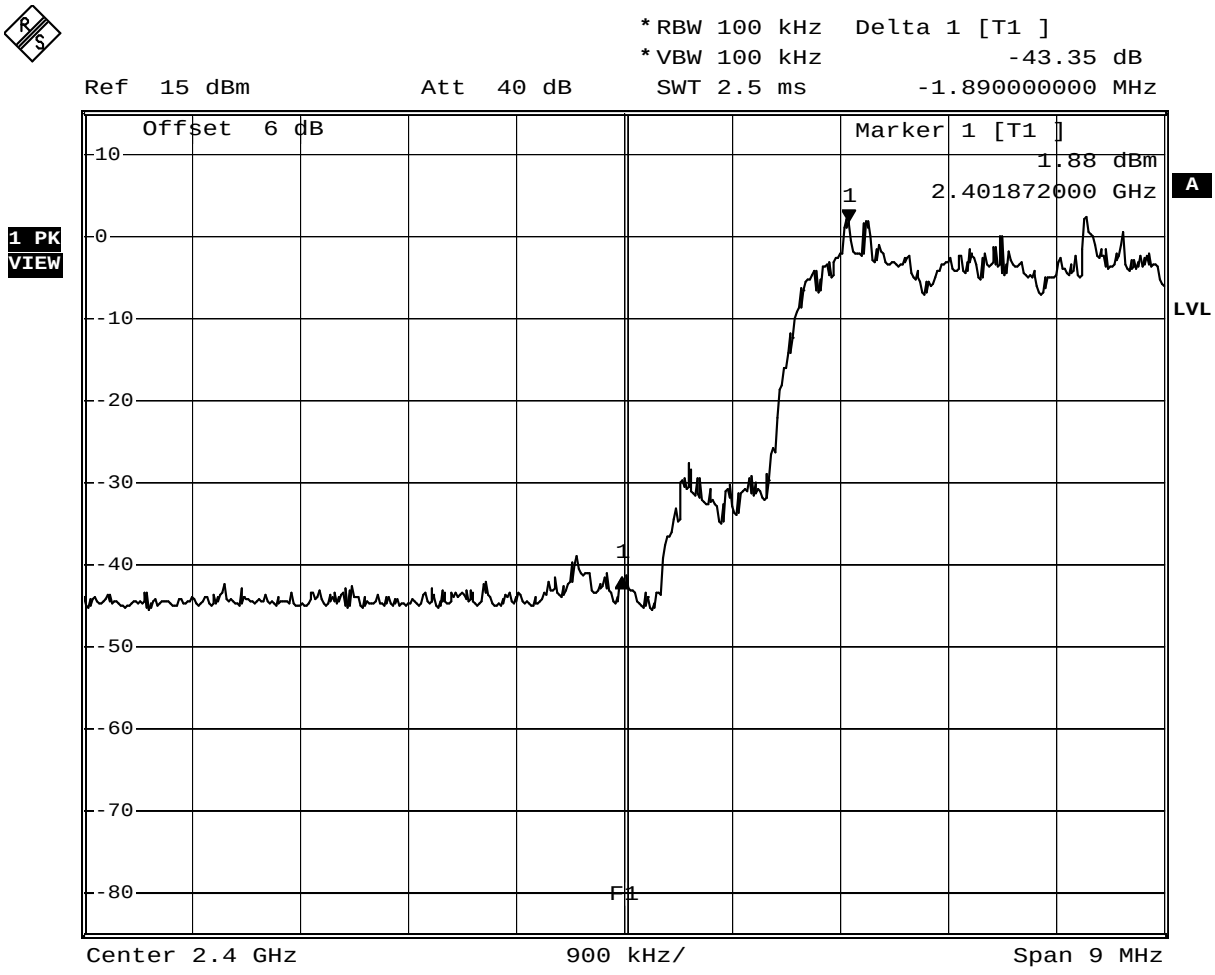
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, Pi/4-DQPSK
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 14:46:34

FCC part 15.247
Band-edge compliance of RF conducted emissions

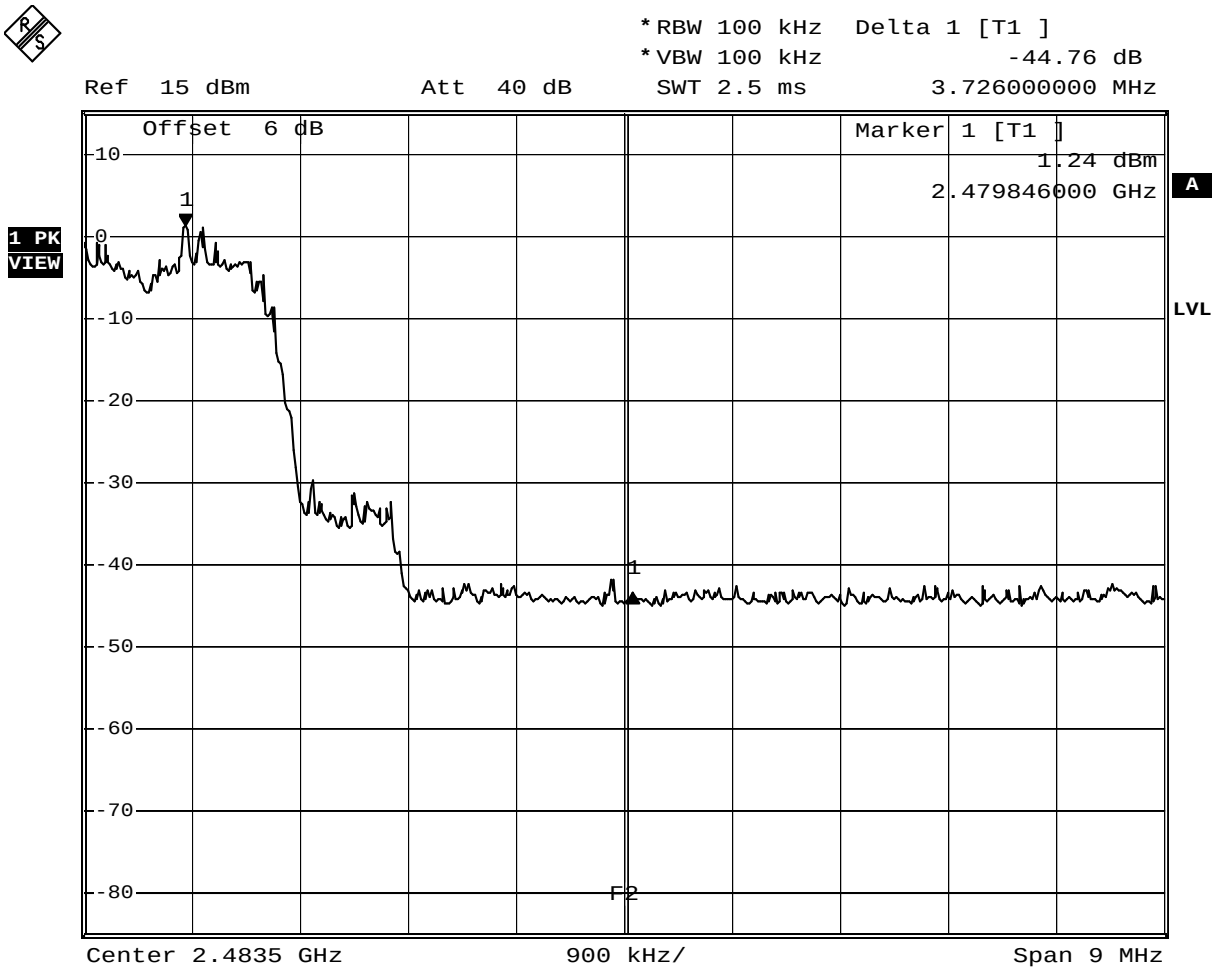
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, Pi/4-DQPSK
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:05:35

FCC part 15.247
Band-edge compliance of RF conducted emissions

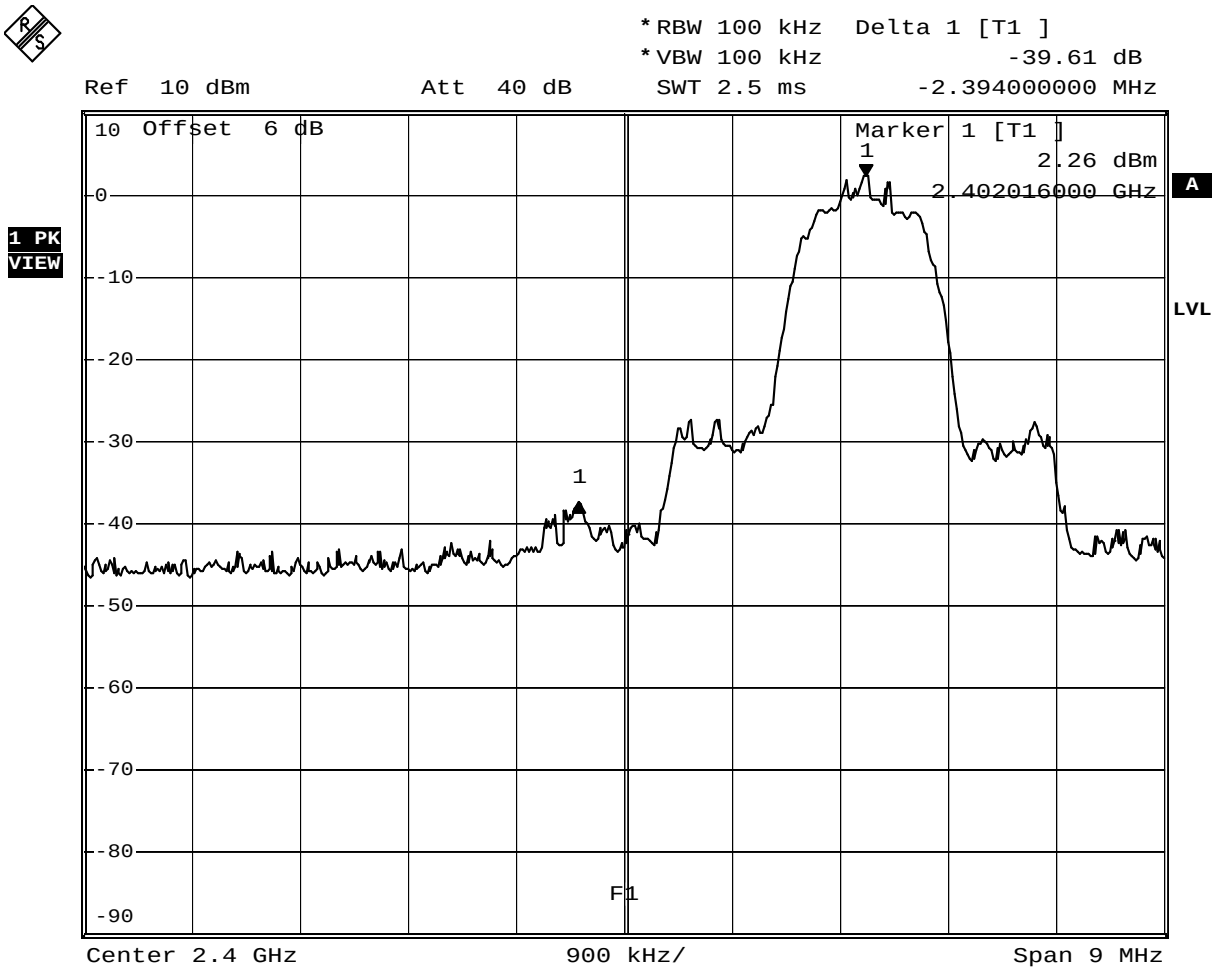
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, Pi/4-DQPSK
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:09:17

FCC part 15.247
Band-edge compliance of RF conducted emissions

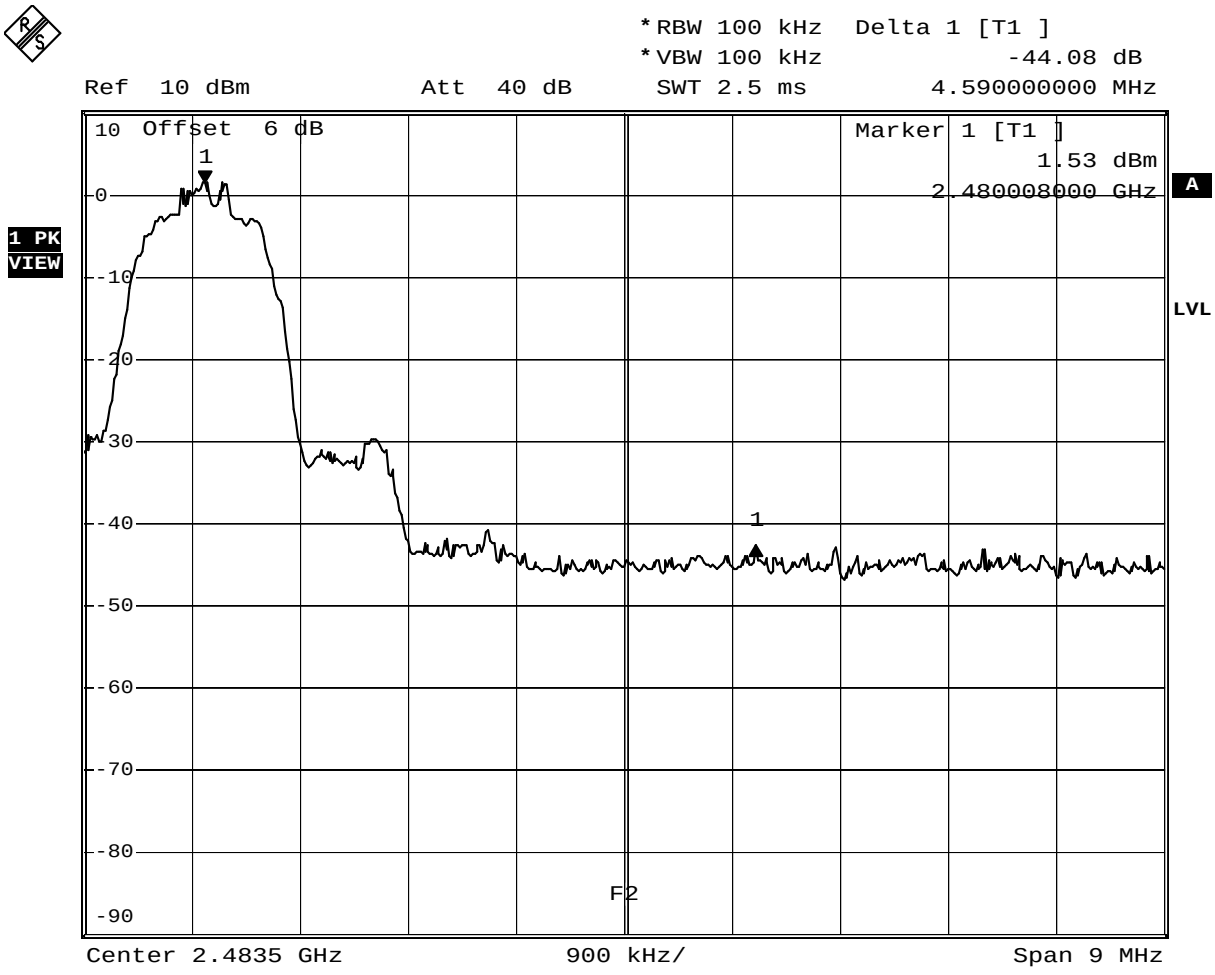
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, 8DPSK
Comment 3	Single frequency mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 14:50:17

FCC part 15.247
Band-edge compliance of RF conducted emissions

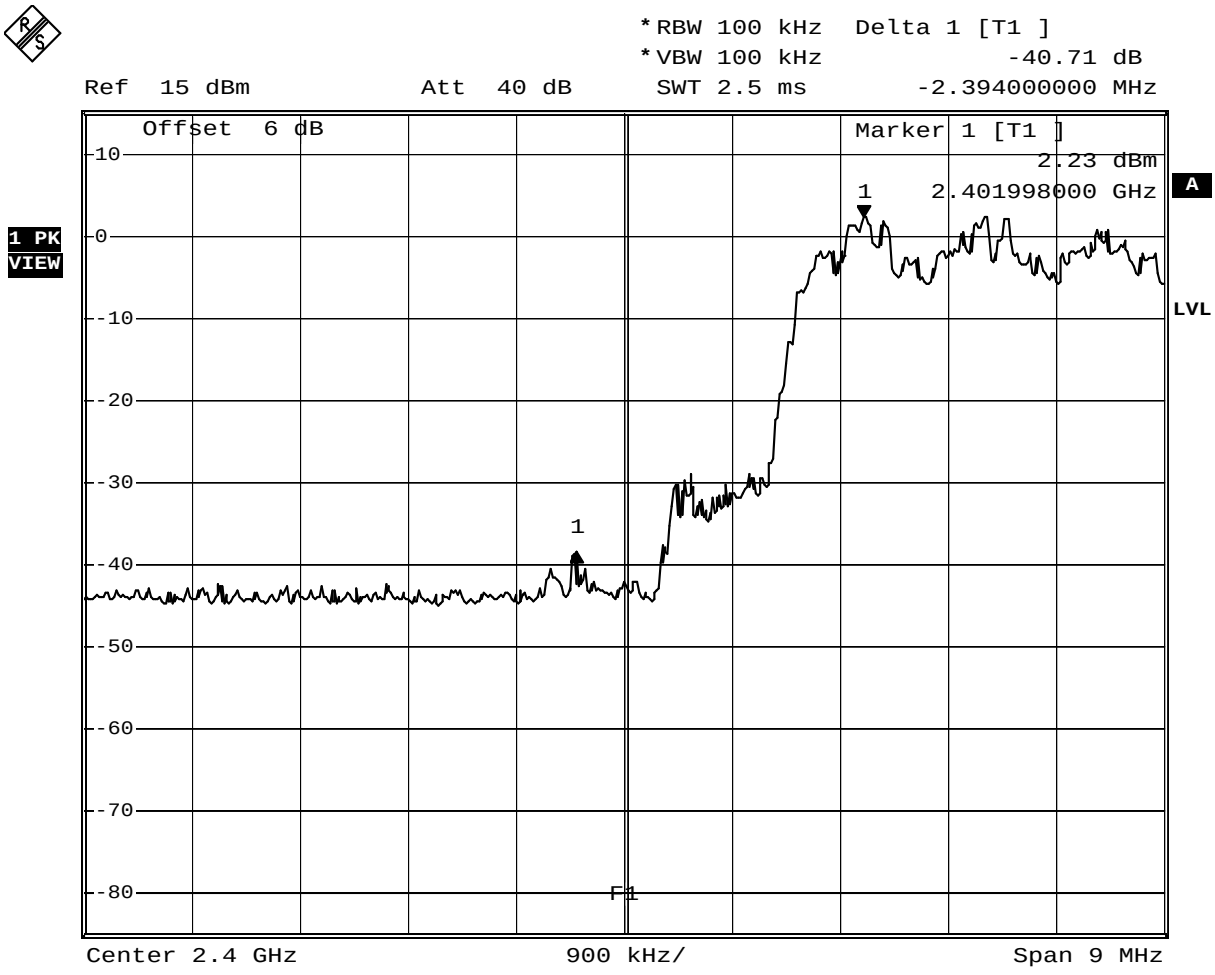
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, 8DPSK
Comment 3	Single frequency mode



Date: 17.MAR.2011 14:52:15

FCC part 15.247
Band-edge compliance of RF conducted emissions

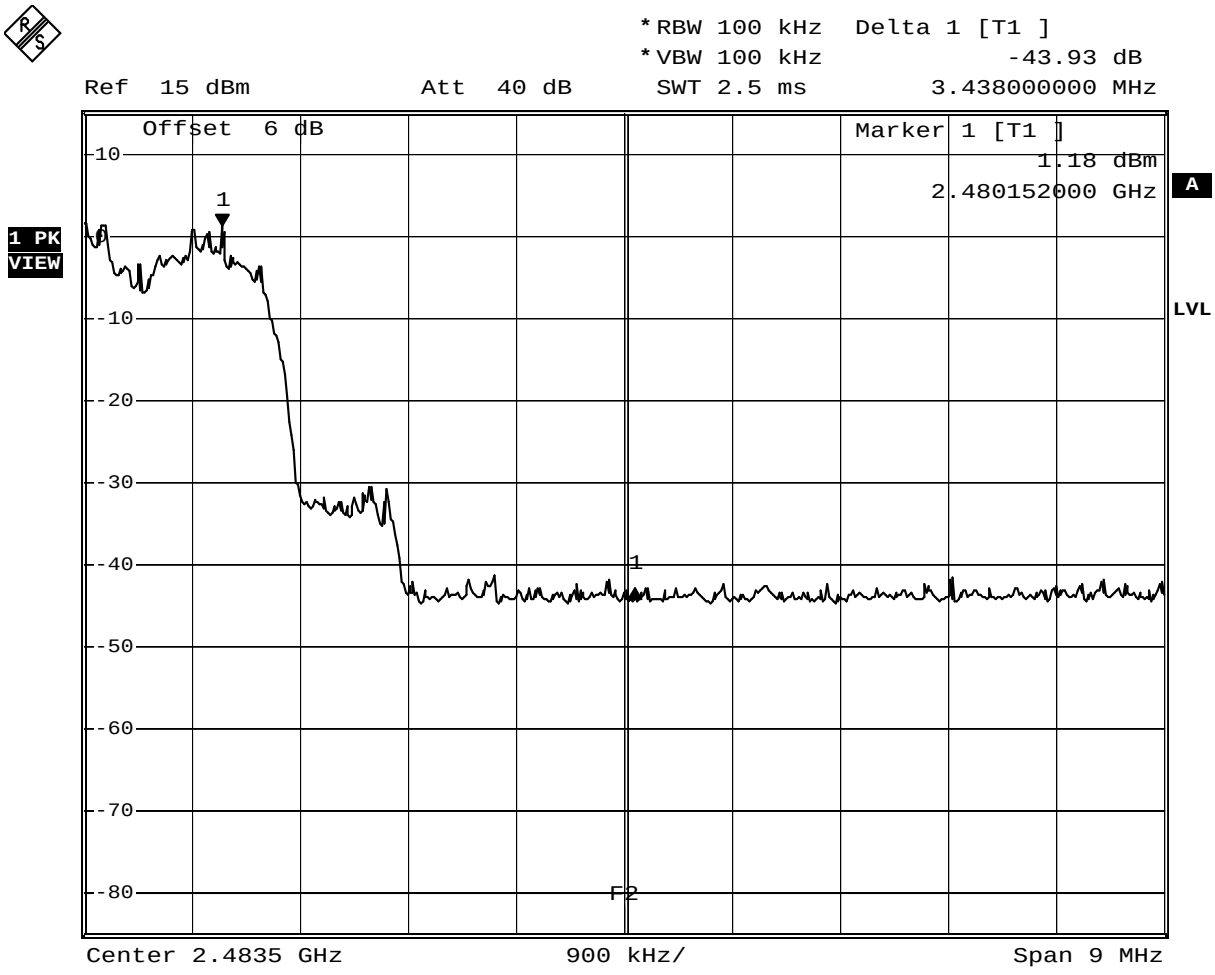
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 0 / 2402 MHz, 8DPSK
Comment 3	Hopping mode



Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:20:15

FCC part 15.247
Band-edge compliance of RF conducted emissions

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15 section 247(c)
Comment 1	Band-edge compliance
Comment 2	Channel.: 78 / 2480 MHz, 8DPSK
Comment 3	Hopping mode

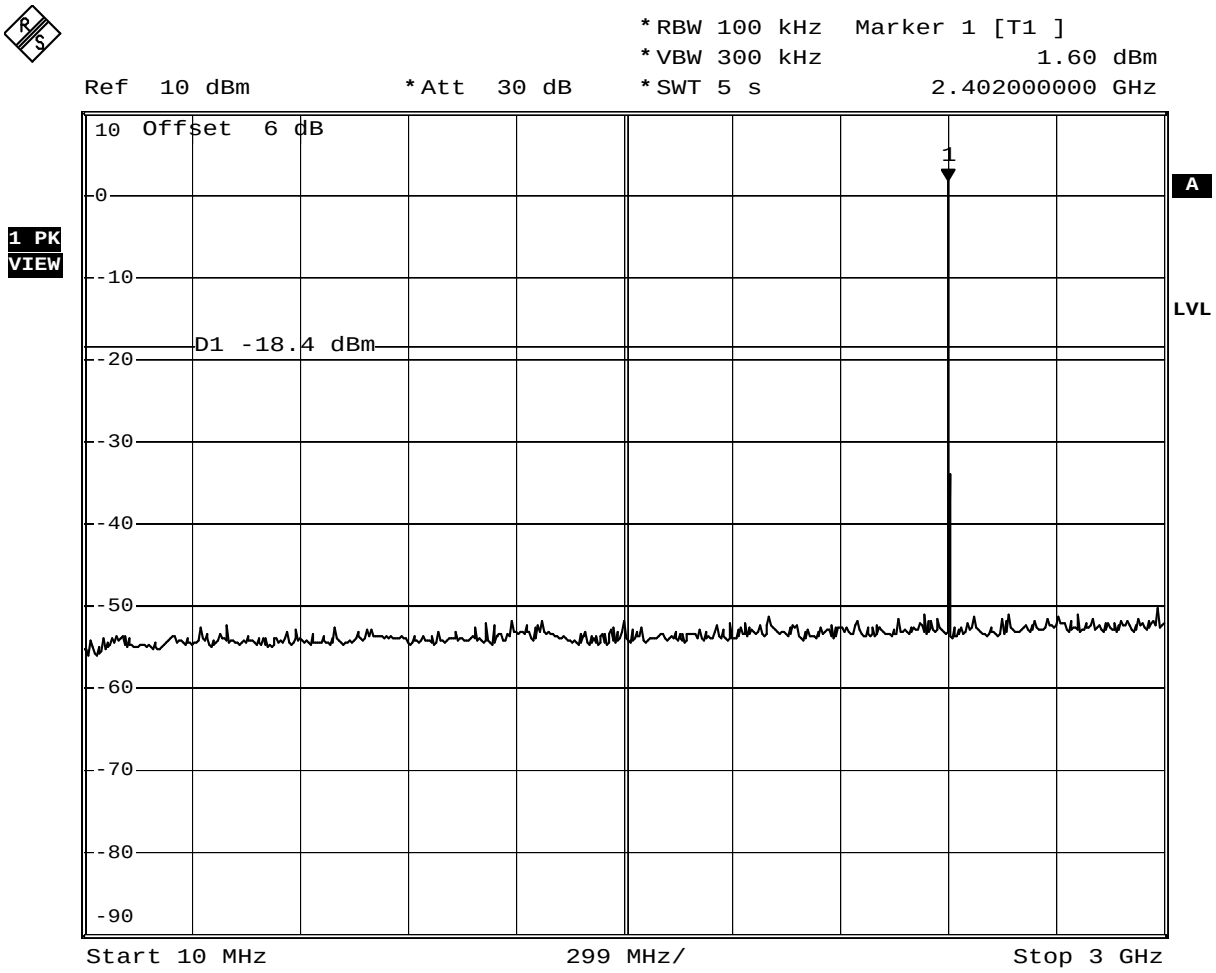


Comment: Limit: Marker Delta value >20 dB; Result: PASS
Date: 17.MAR.2011 15:14:28

Annex H Transmitter conducted spurious emissions

FCC part 15.247 (d)
Spurious Emissions

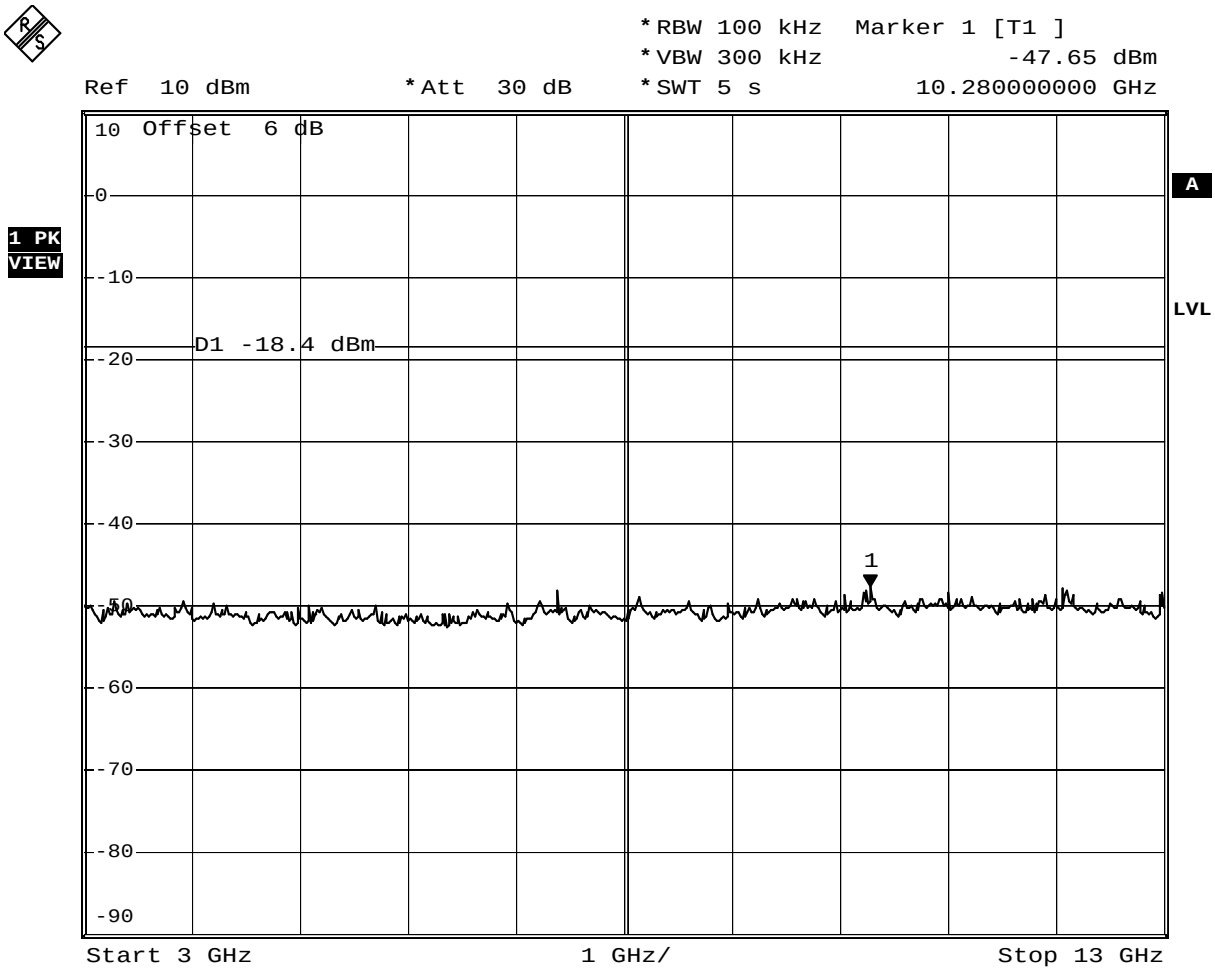
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:44:42

FCC part 15.247 (d)
Spurious Emissions

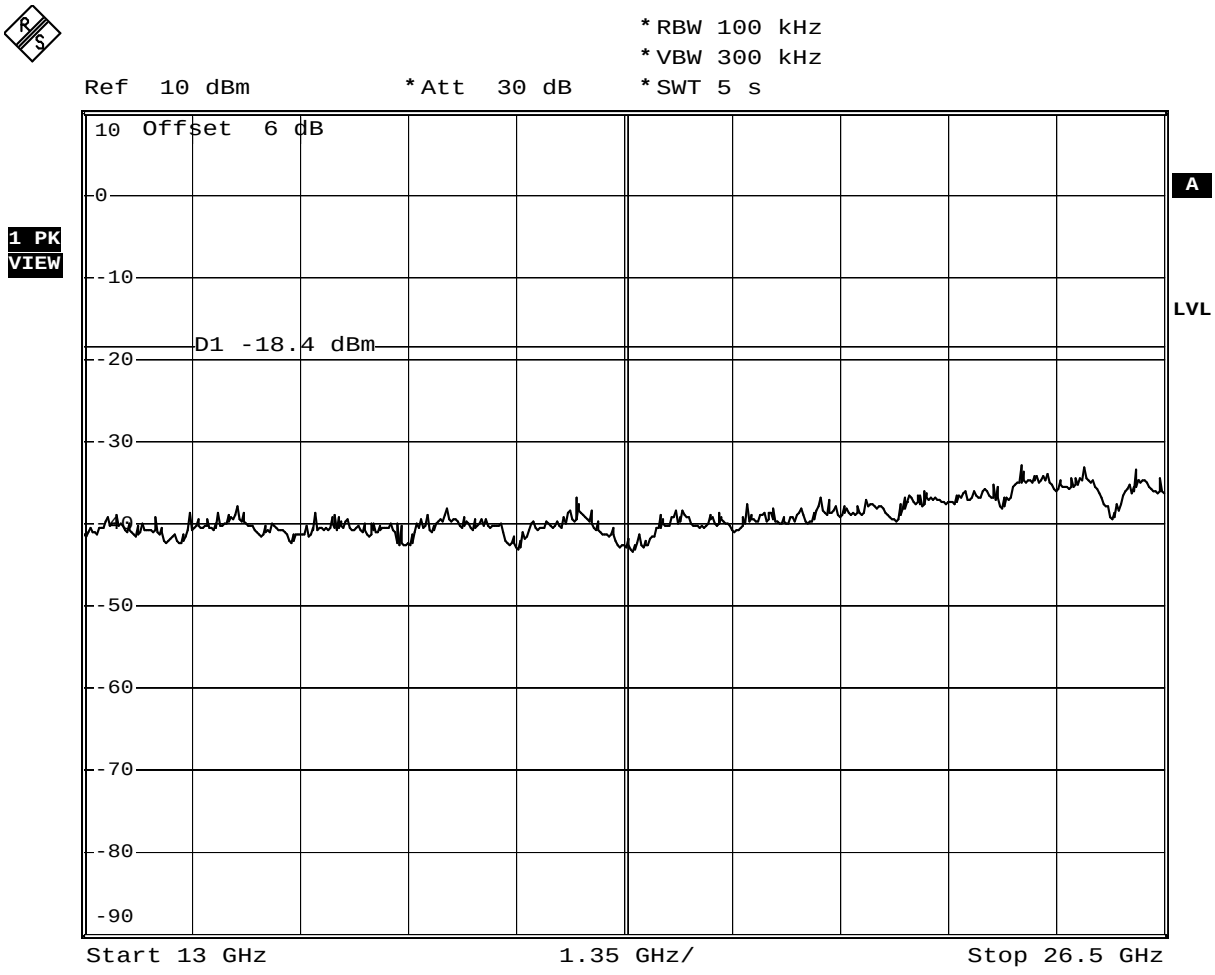
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:46:54

FCC part 15.247 (d)
Spurious Emissions

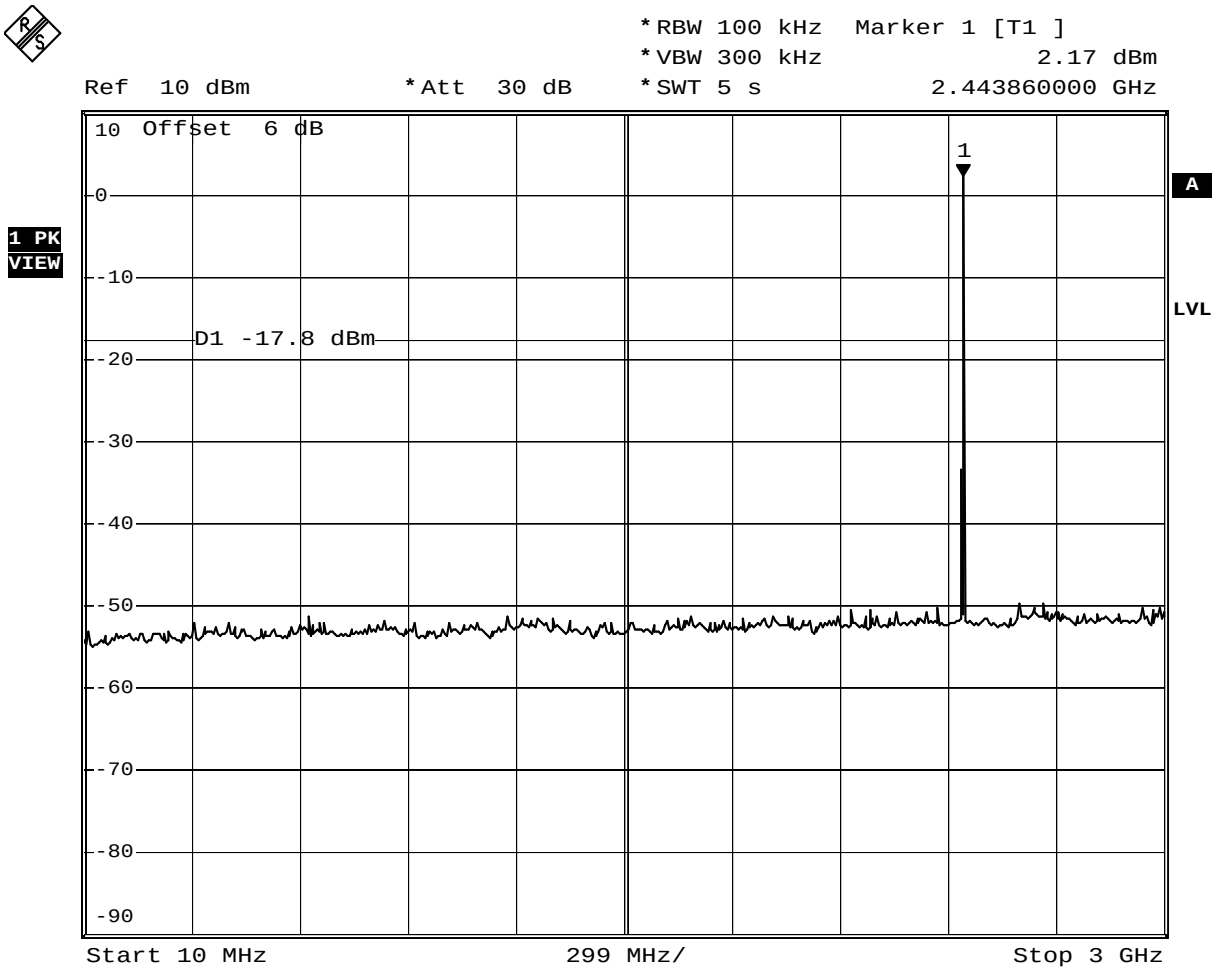
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:48:03

FCC part 15.247 (d)
Spurious Emissions

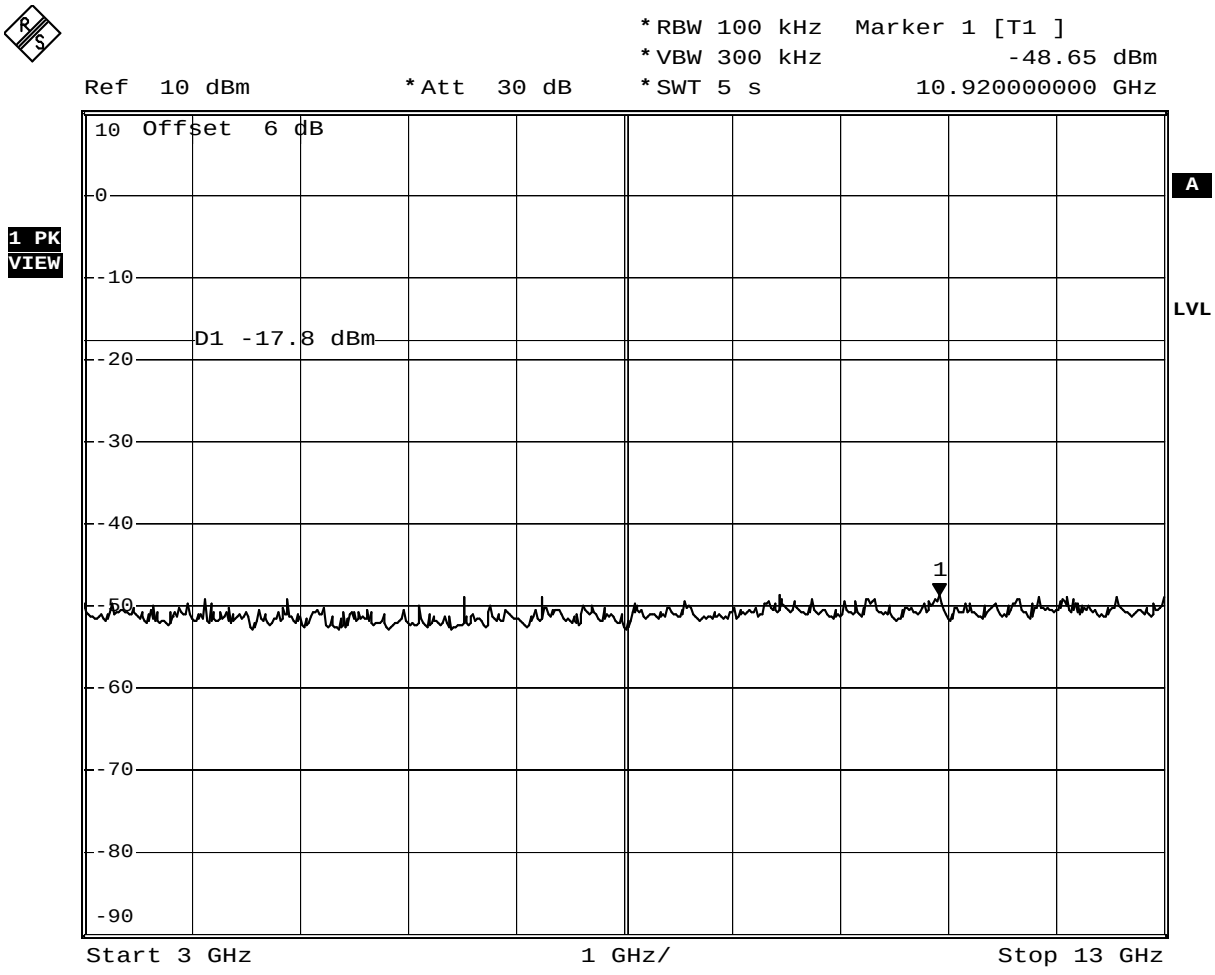
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:52:56

FCC part 15.247 (d)
Spurious Emissions

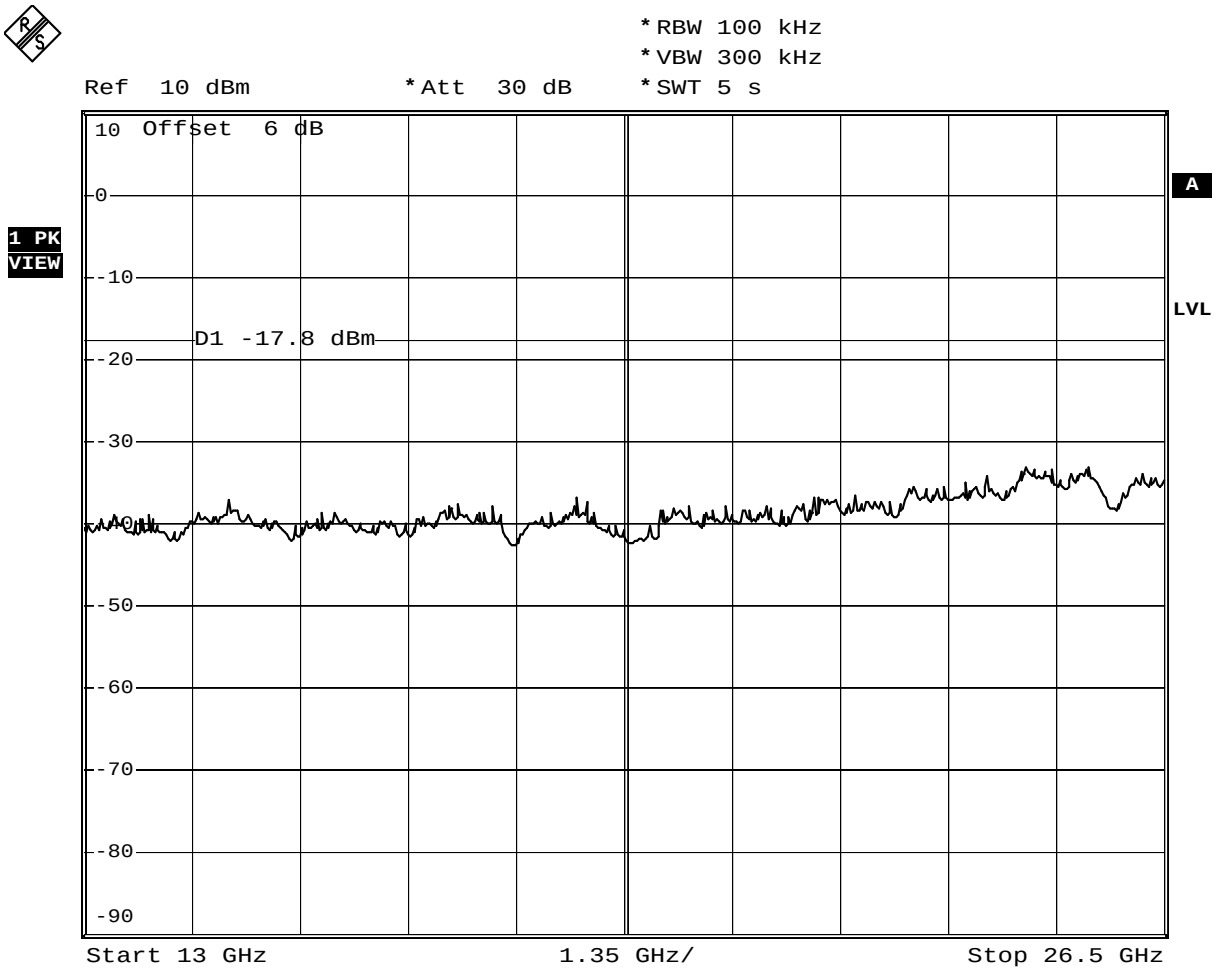
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:58:05

FCC part 15.247 (d)
Spurious Emissions

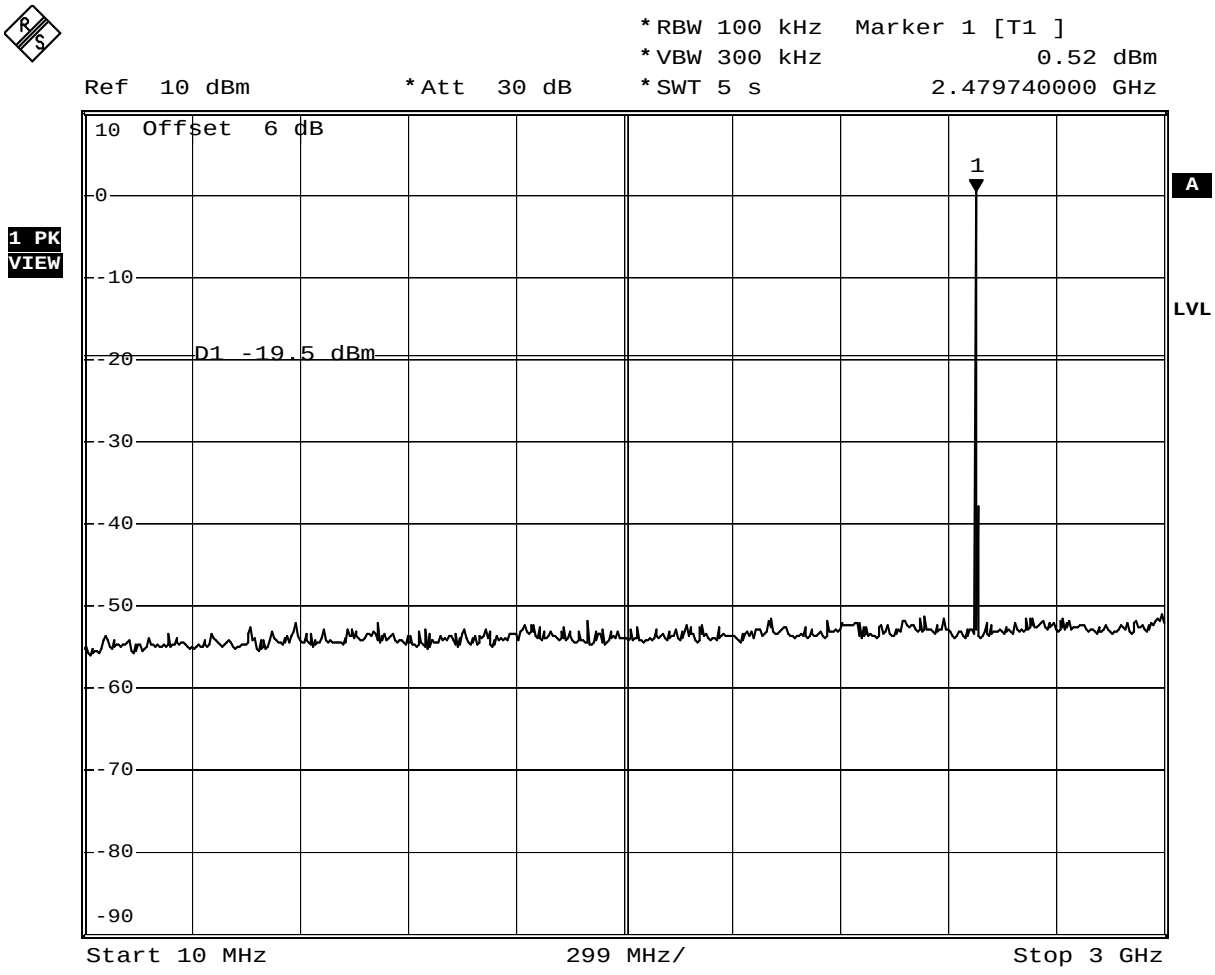
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 07:59:50

FCC part 15.247 (d)
Spurious Emissions

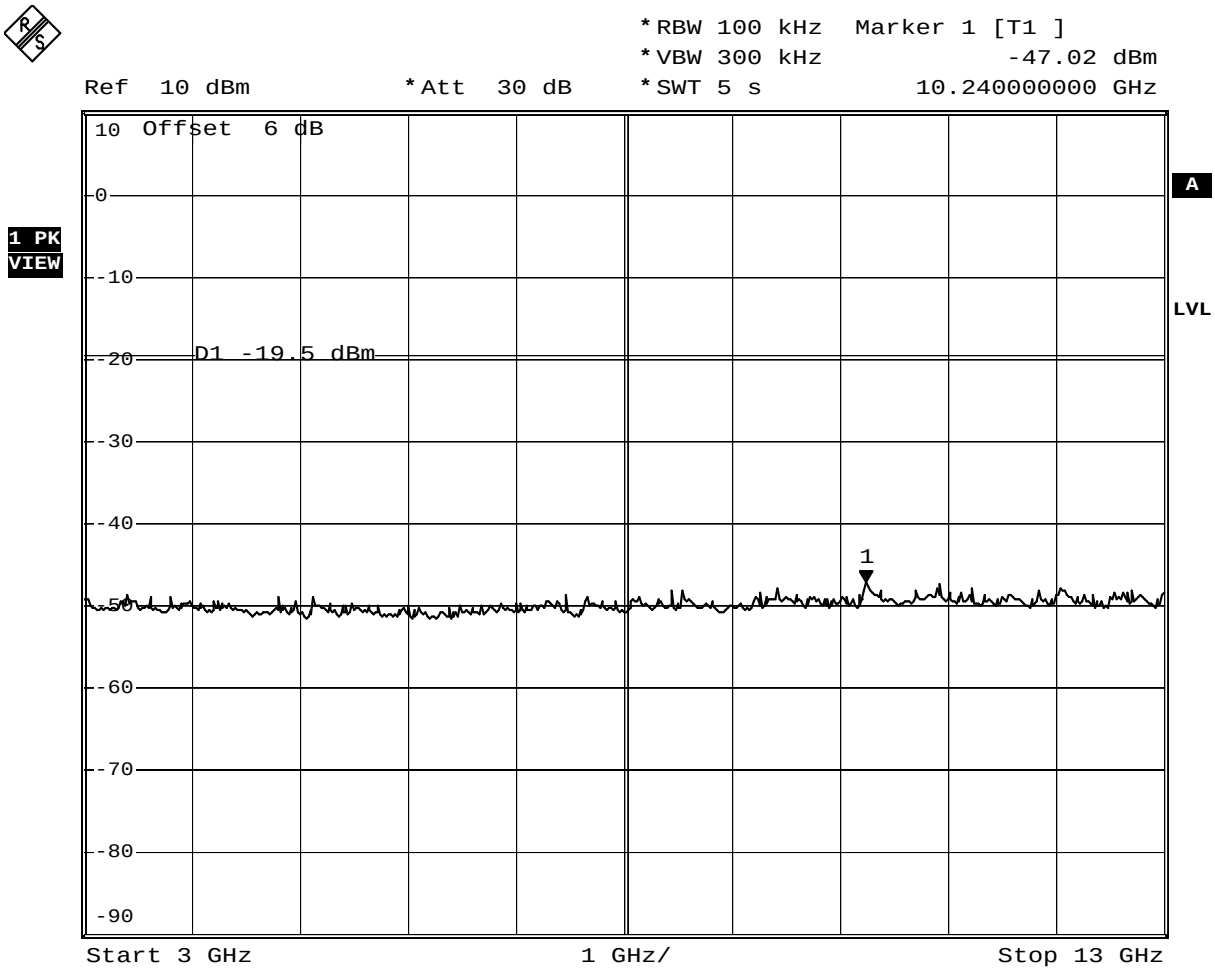
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 08:01:22

FCC part 15.247 (d)
Spurious Emissions

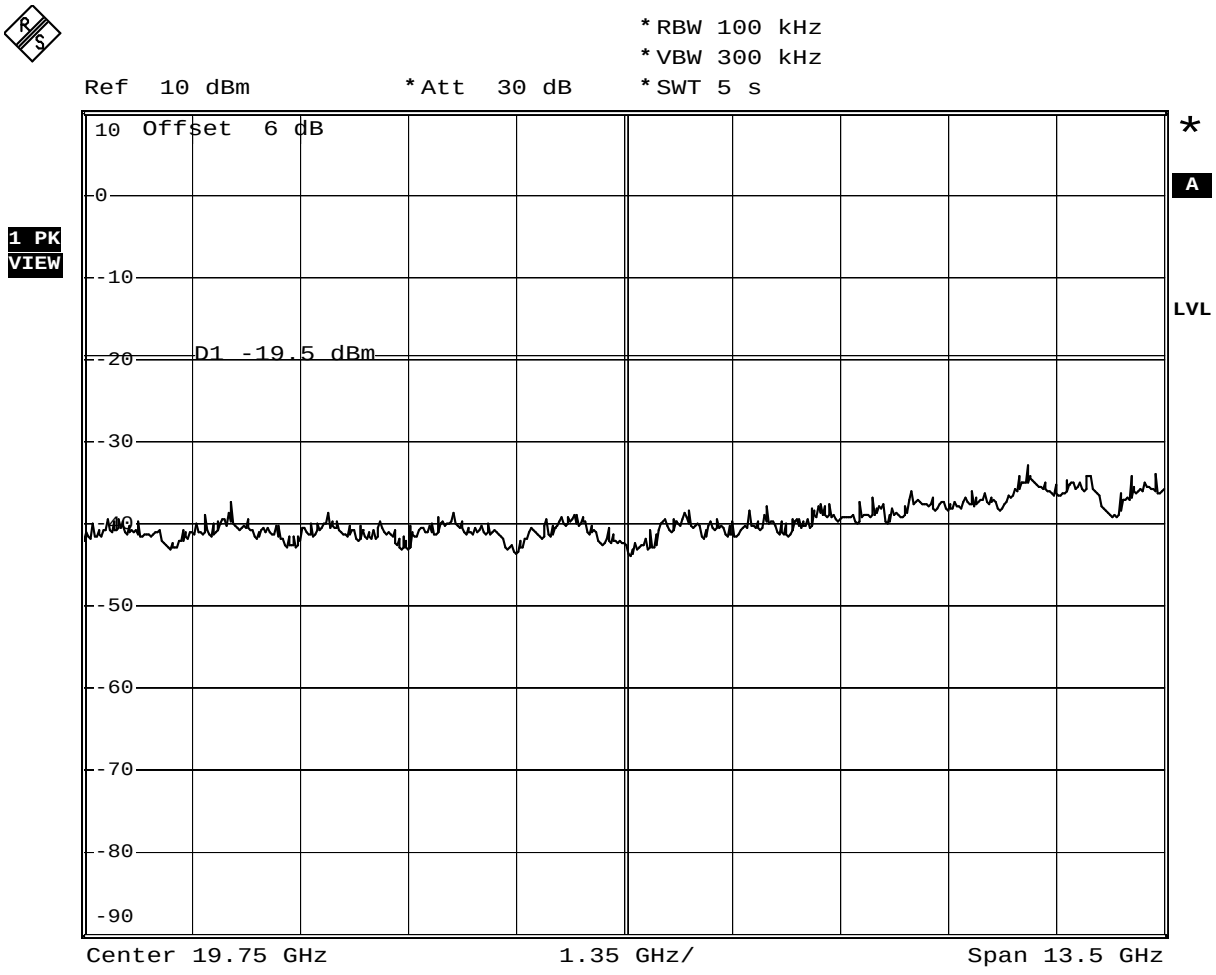
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 08:06:31

FCC part 15.247 (d)
Spurious Emissions

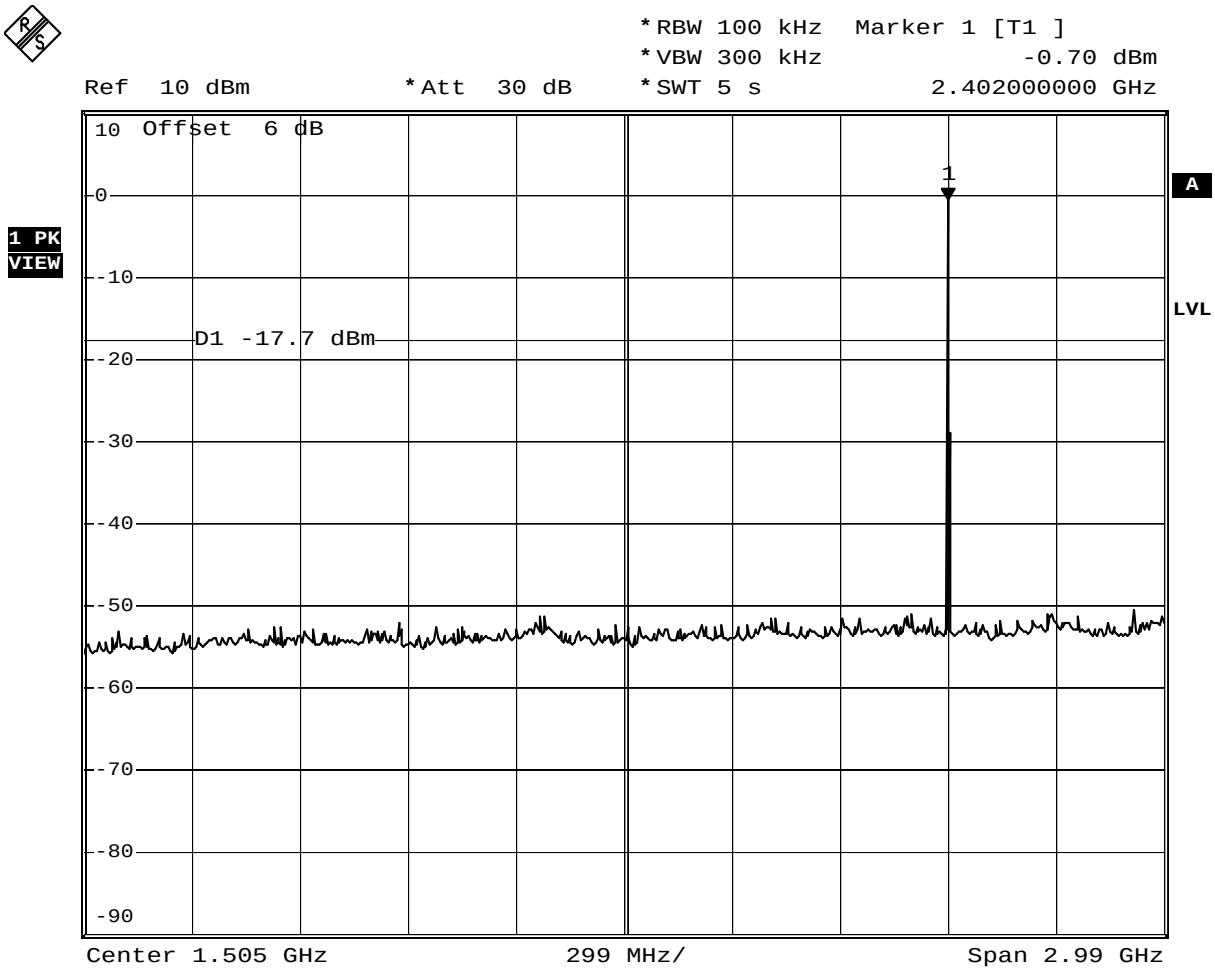
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	GFSK / DH5



Date: 18.MAR.2011 08:07:42

FCC part 15.247 (d)
Spurious Emissions

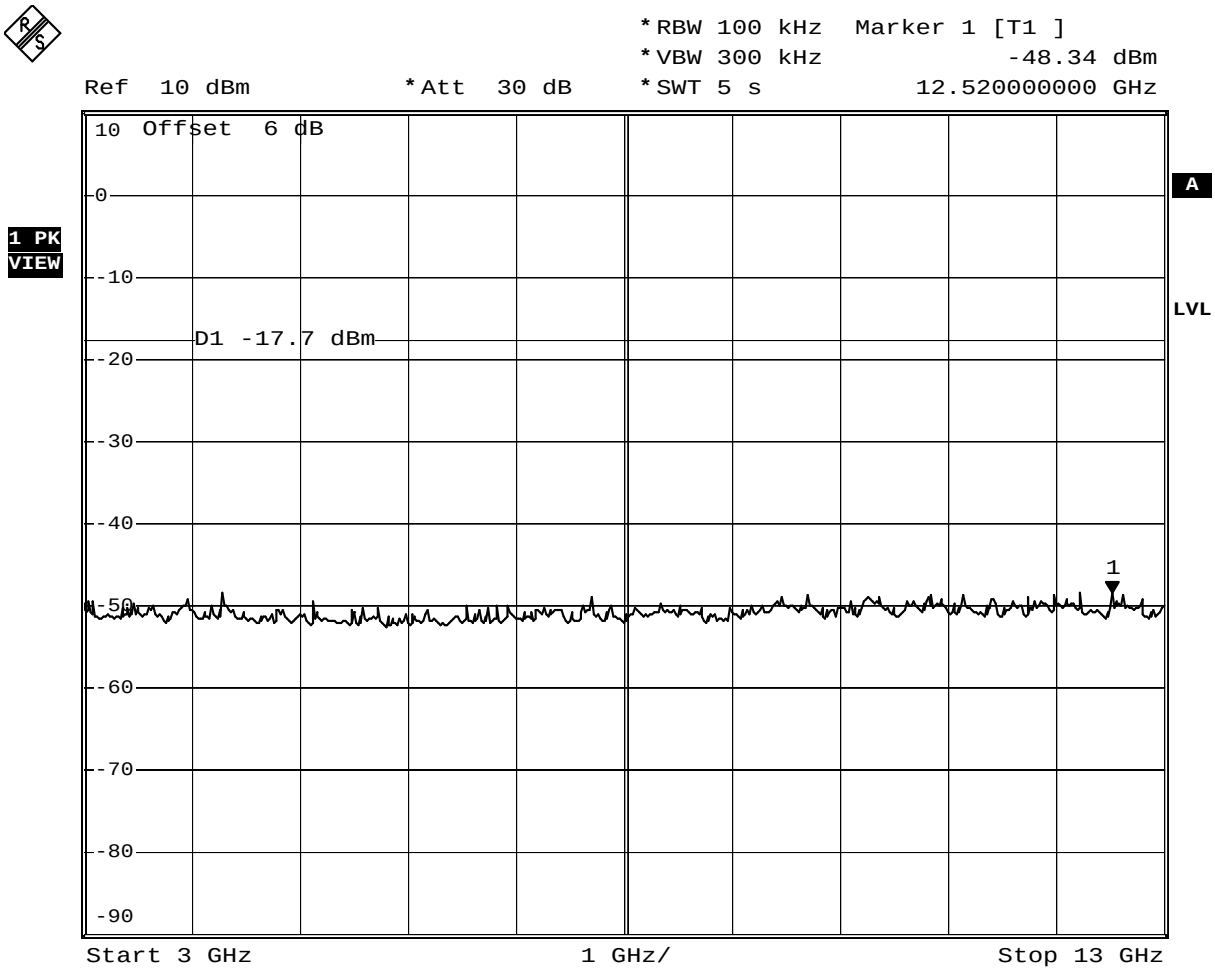
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 08:32:16

FCC part 15.247 (d)
Spurious Emissions

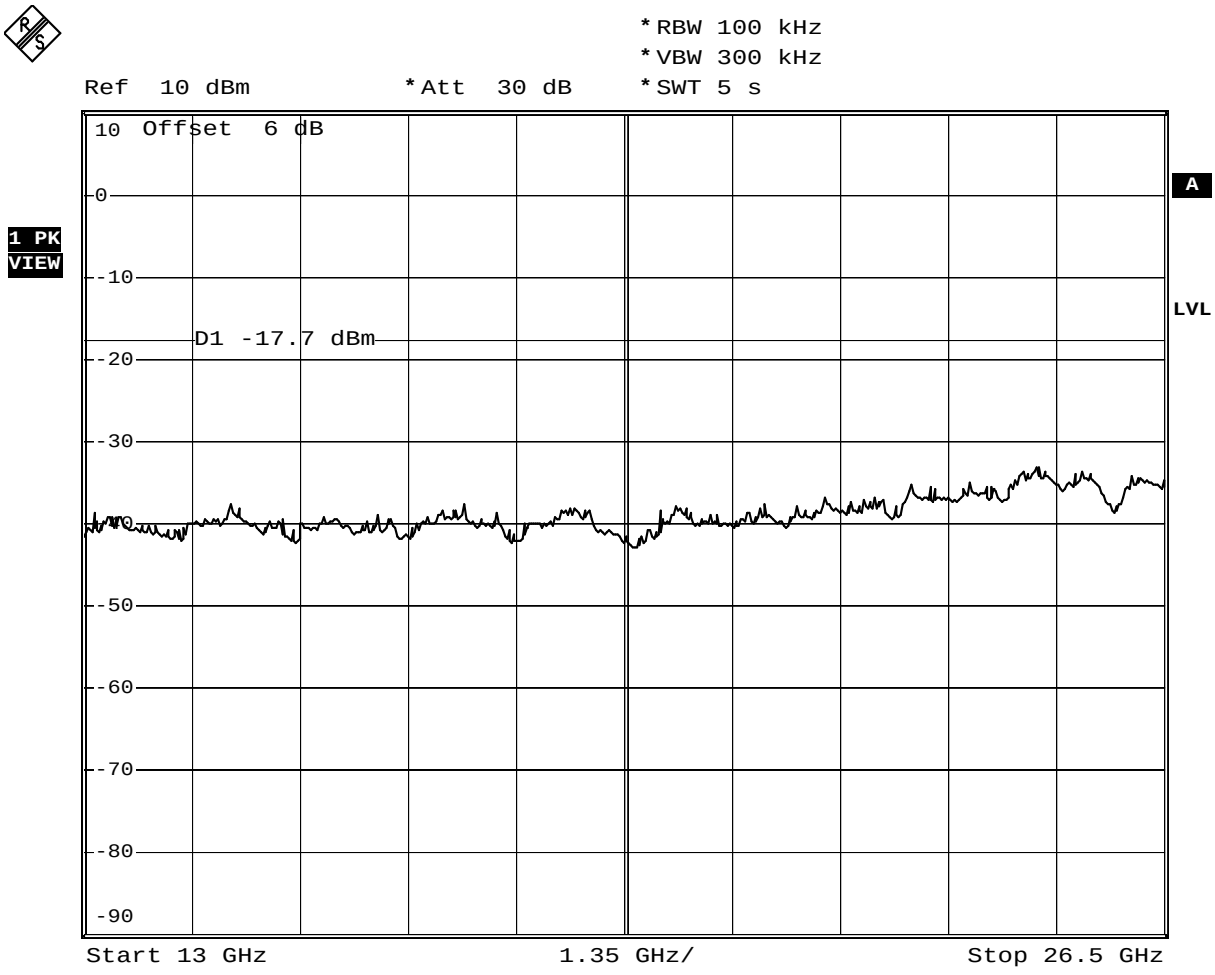
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 08:57:11

FCC part 15.247 (d)
Spurious Emissions

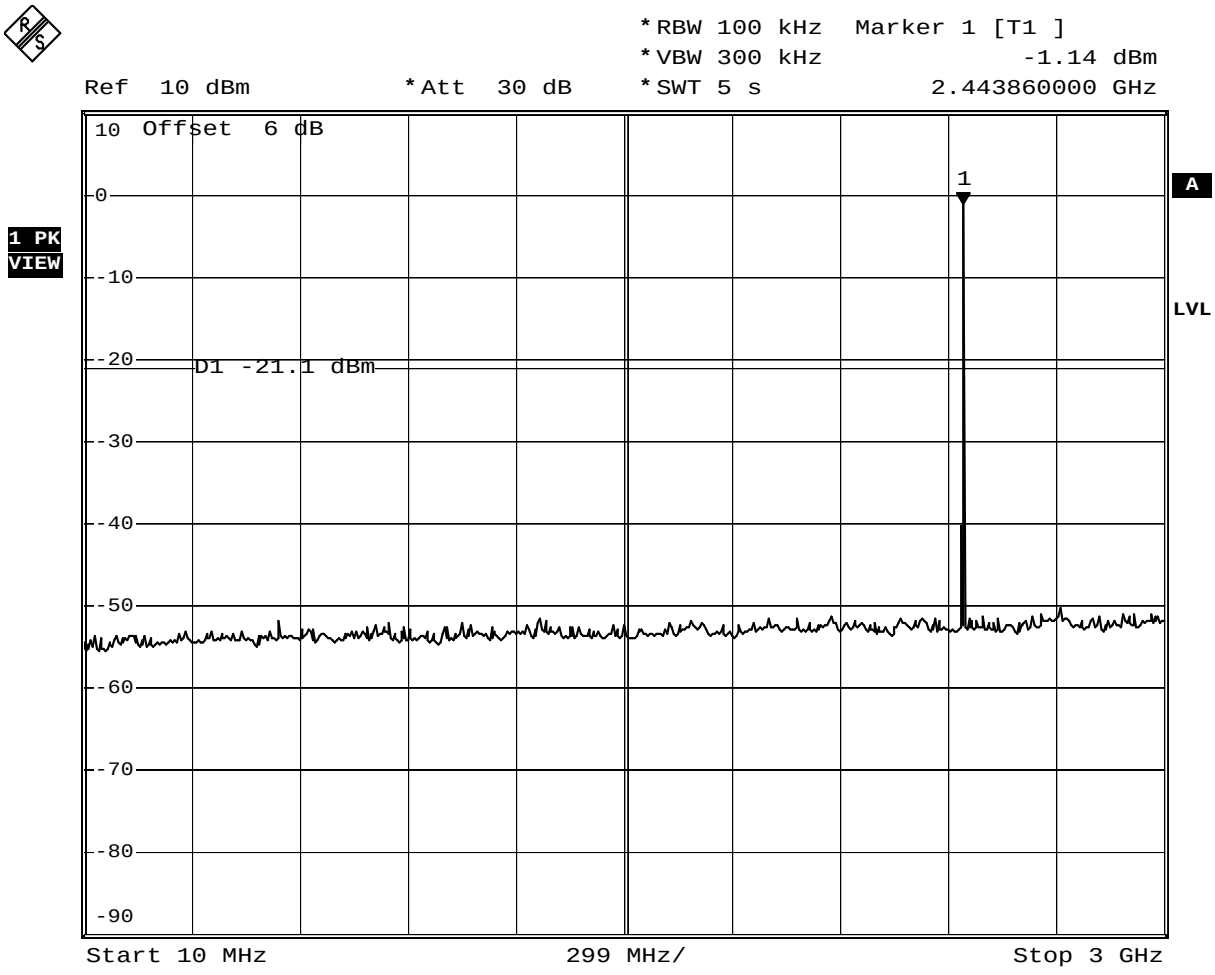
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2402 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 08:58:32

FCC part 15.247 (d)
Spurious Emissions

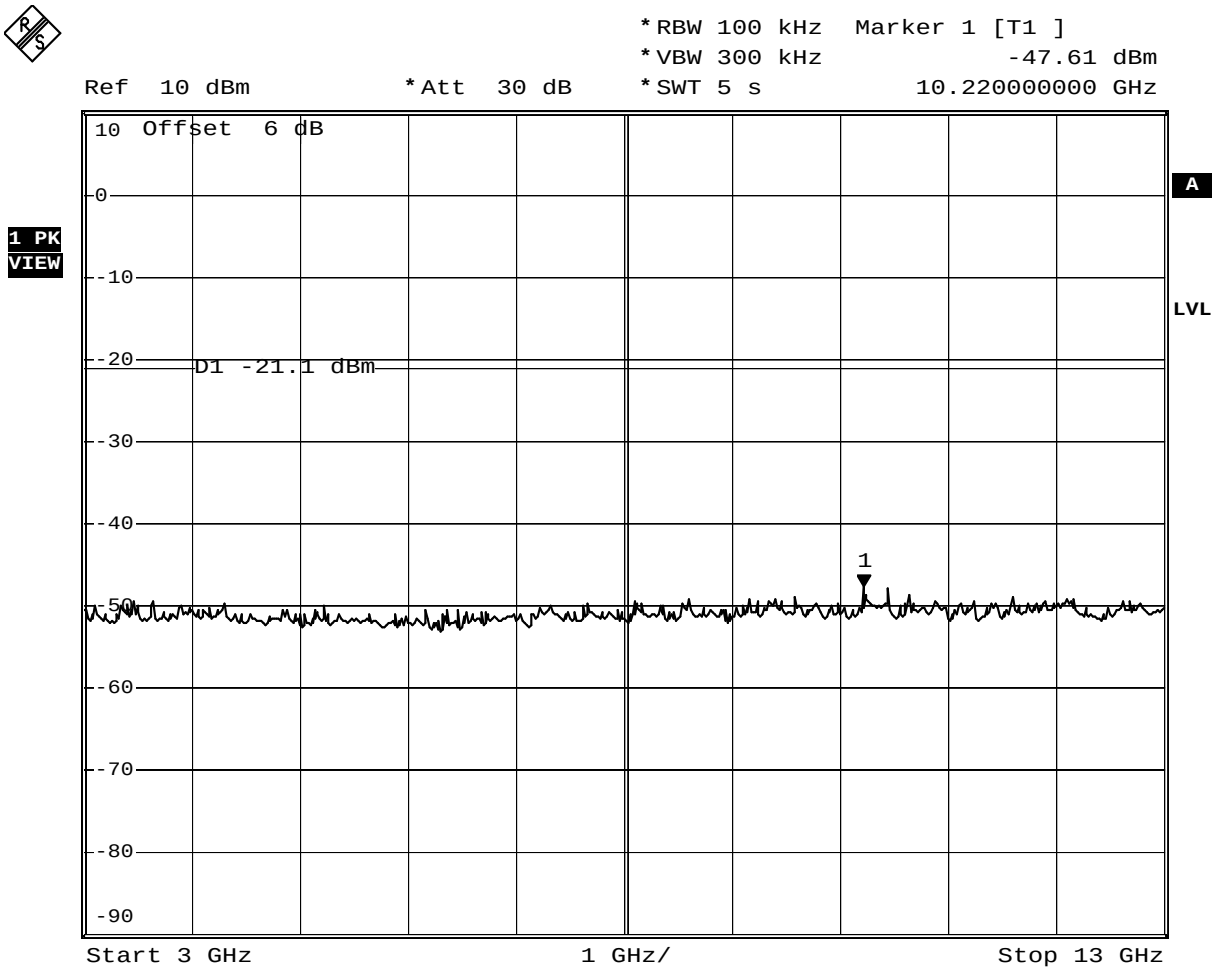
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:00:54

FCC part 15.247 (d)
Spurious Emissions

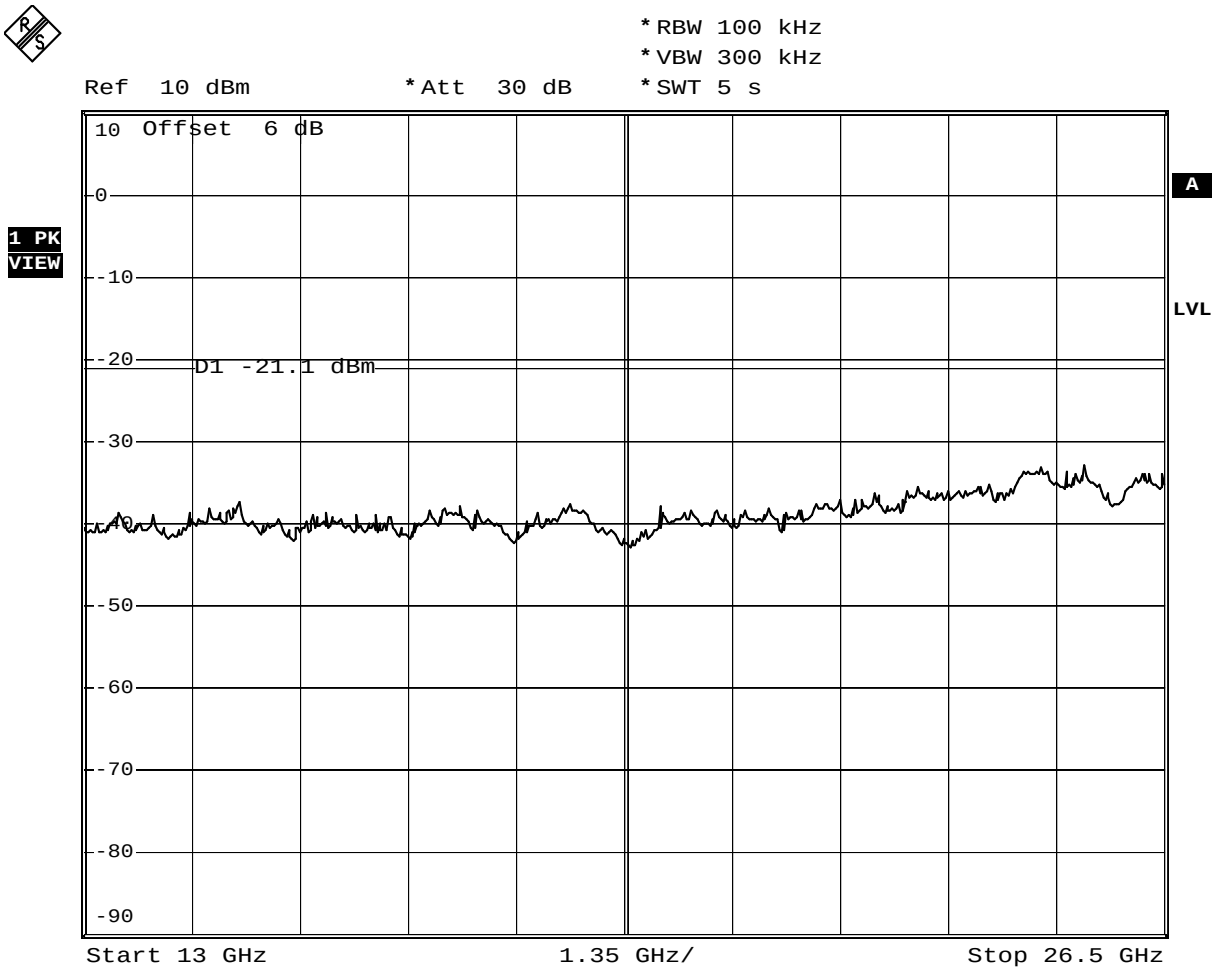
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:02:14

FCC part 15.247 (d)
Spurious Emissions

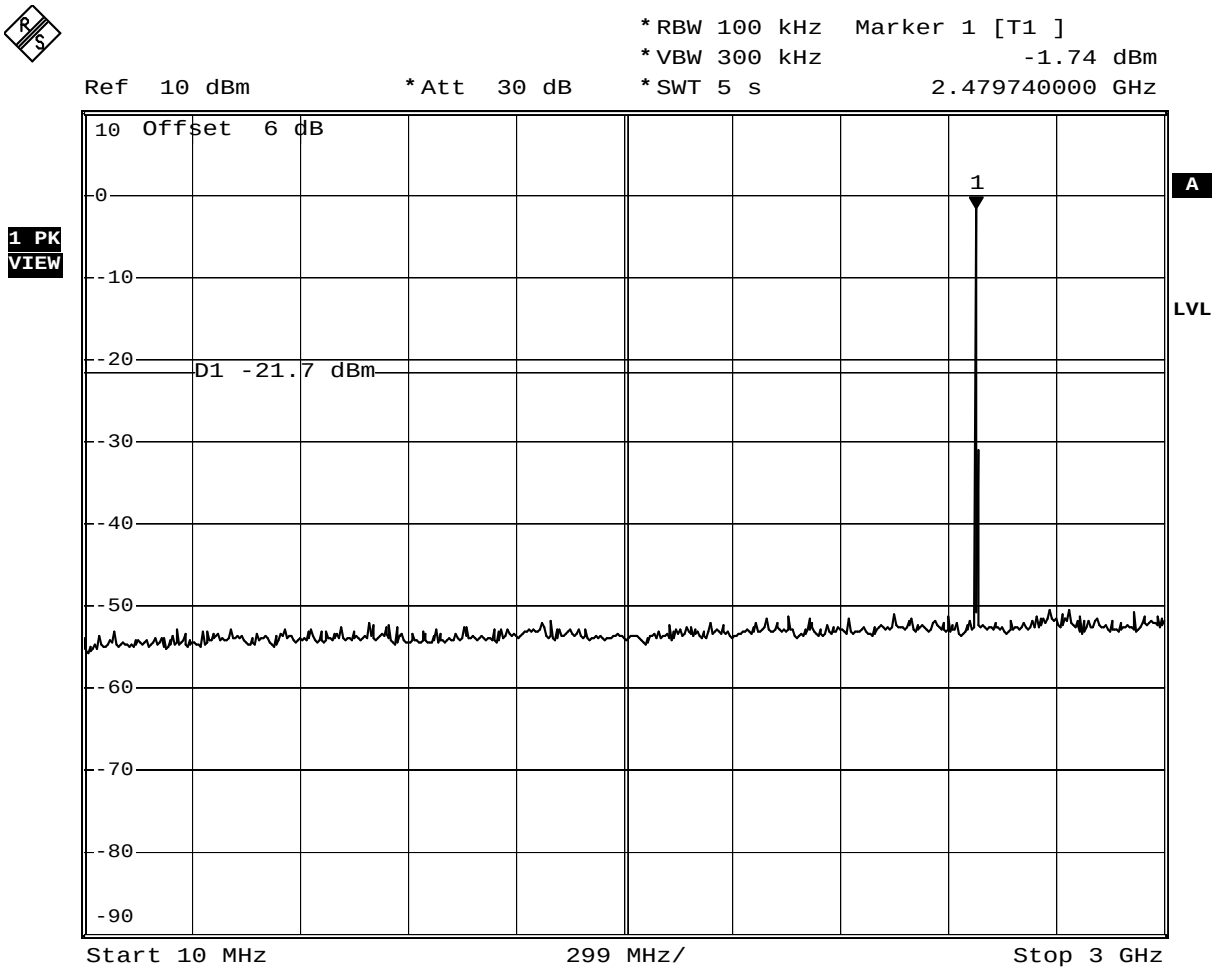
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2441 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:04:11

FCC part 15.247 (d)
Spurious Emissions

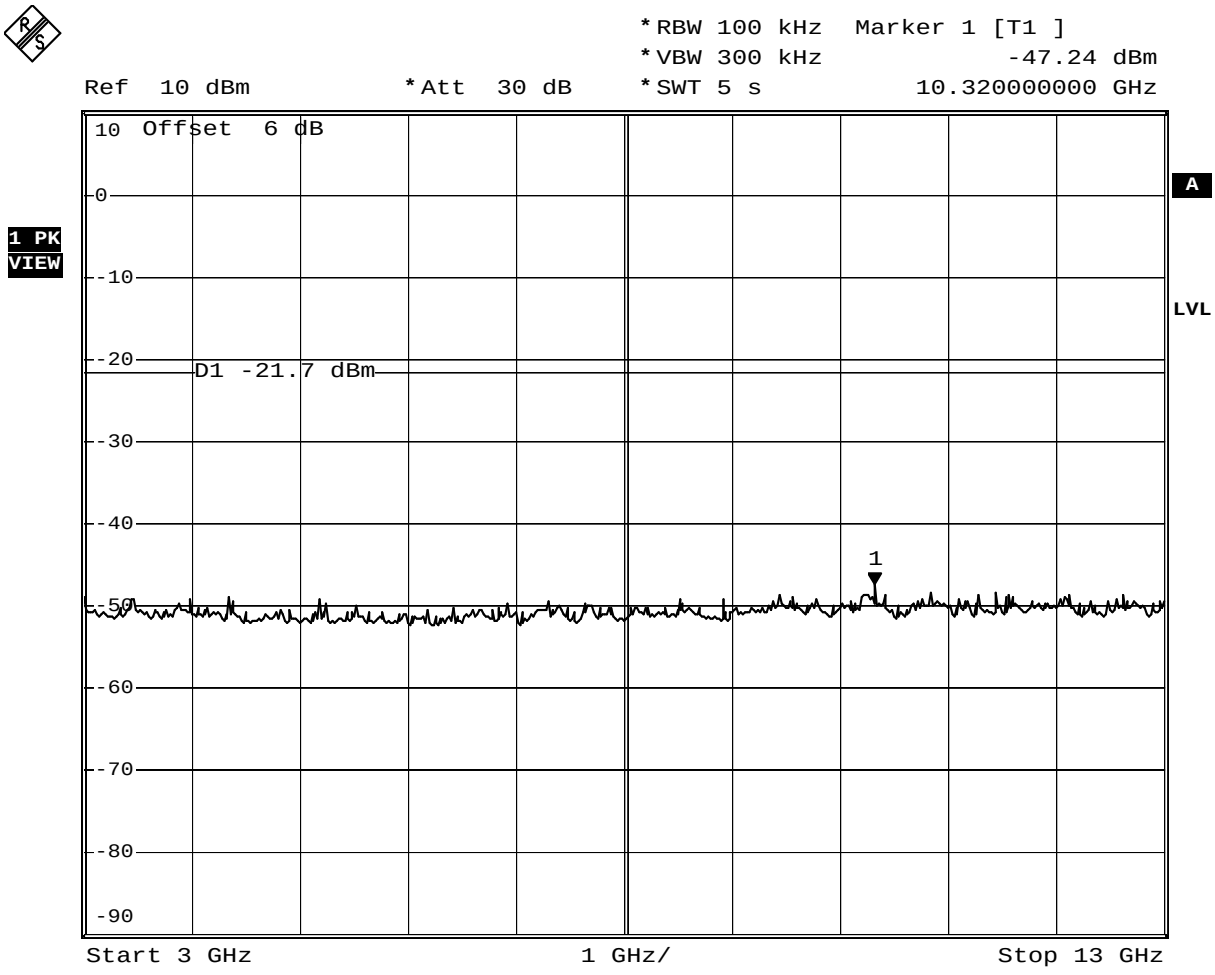
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:06:31

FCC part 15.247 (d)
Spurious Emissions

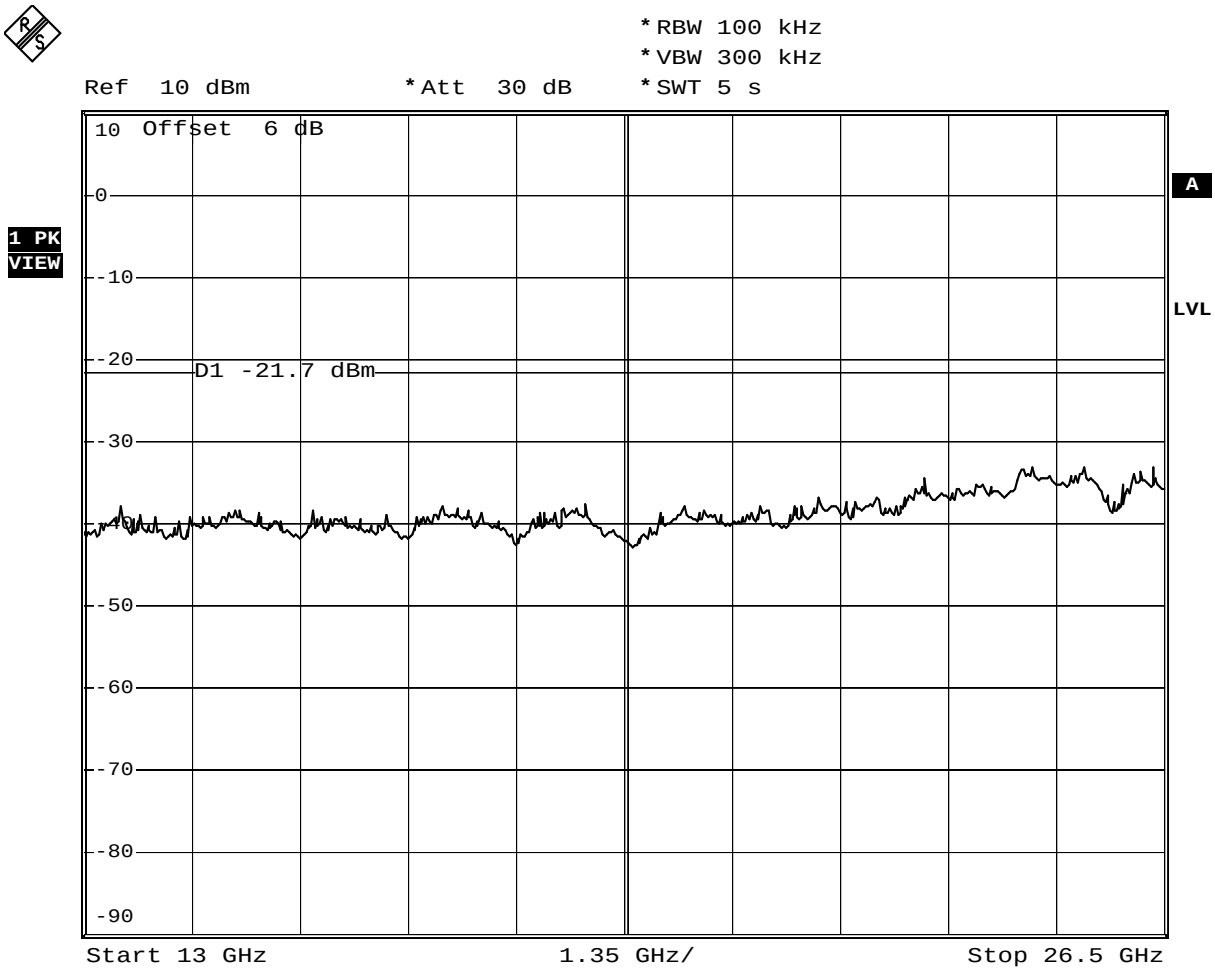
EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:07:48

FCC part 15.247 (d)
Spurious Emissions

EUT	Bluetooth mono headset
Model	Jabra OTE9
Approval Holder	GN Netcon A/S / Ord.: G0M21102-4196
Temperature / Voltage	tnom / Vnom
Test Site / Operator	Eurofins Product Service GmbH / Mr. Treffke
Test Specification	FCC part 15.247 (d)
Comment 1	Spurious Emissions conducted
Comment 2	Channel : 2480 MHz
Comment 3	8DPSK / 3DH5



Date: 18.MAR.2011 09:09:14

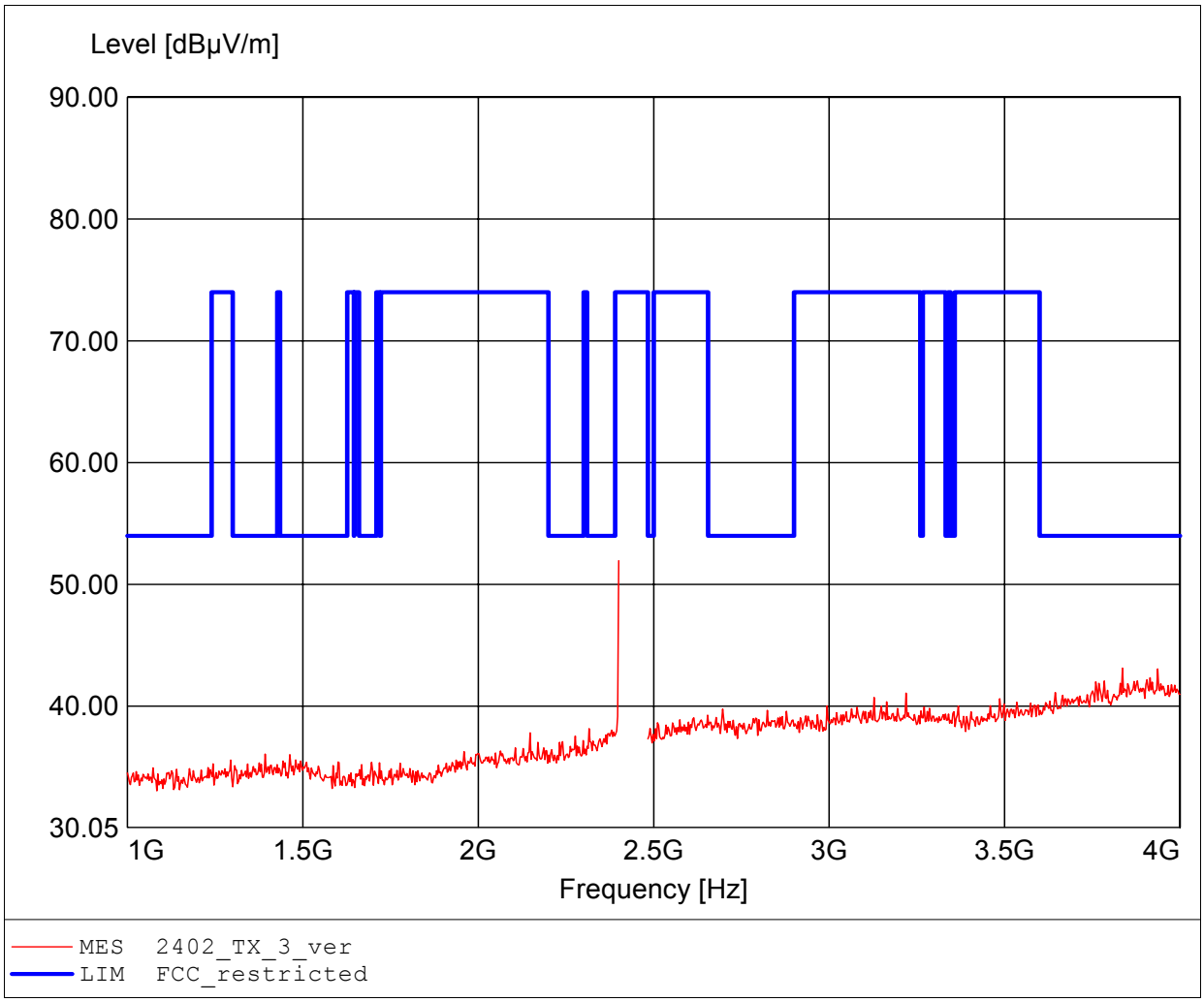
Annex I Transmitter radiated spurious emissions

Only plots containing spurious emission are shown in this annex.
All missing plots only contain noise.

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

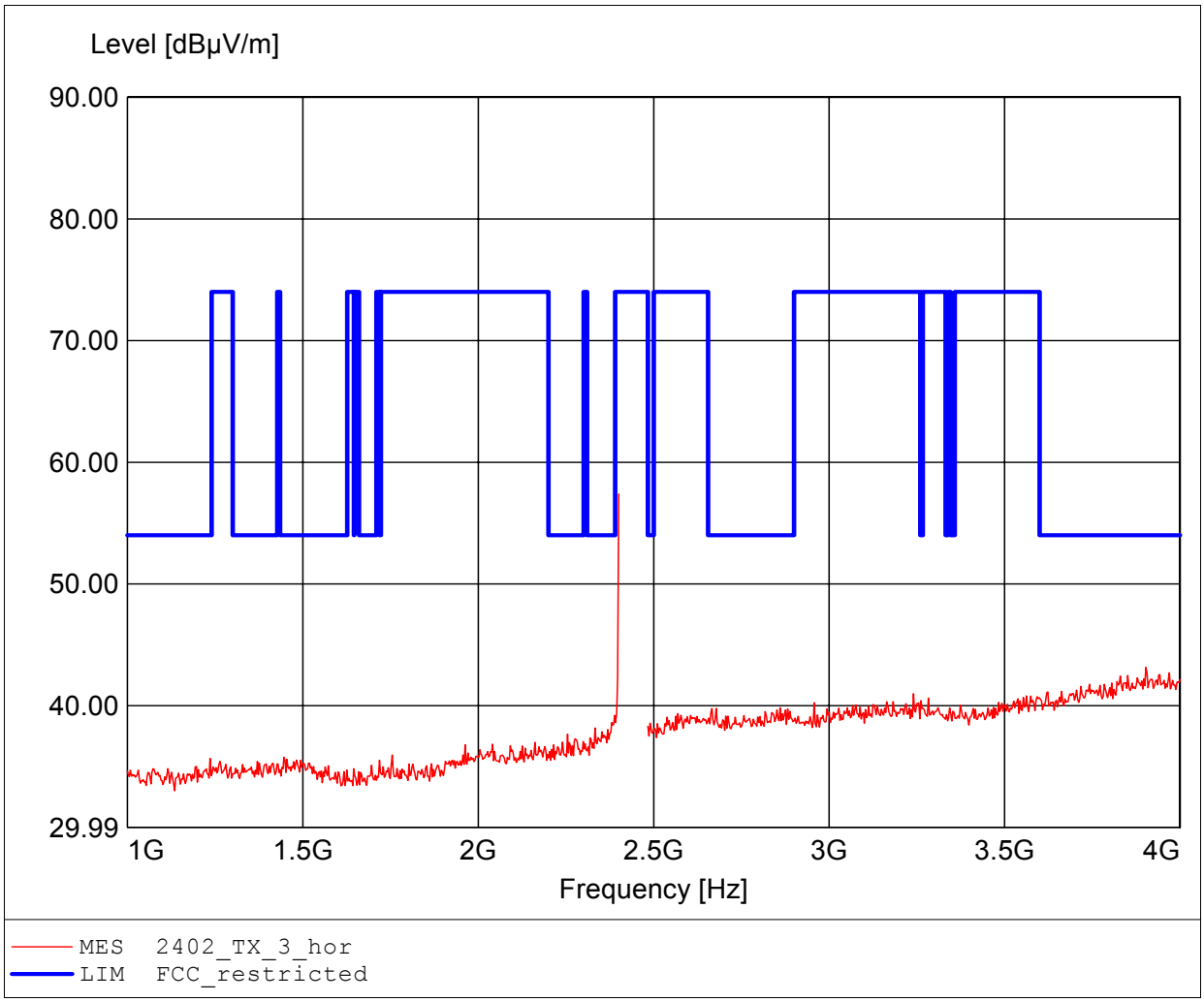
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 51.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

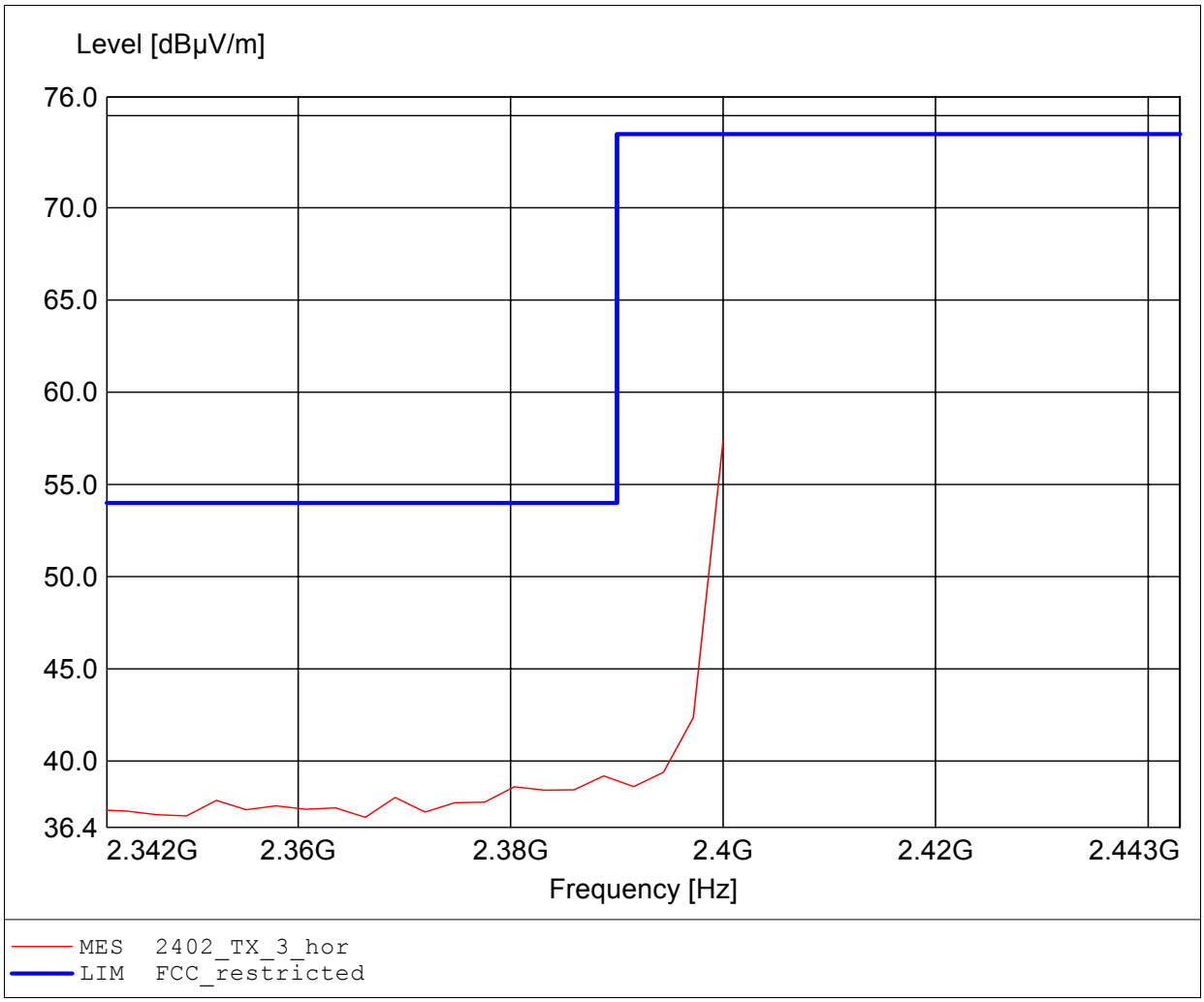
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 57.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

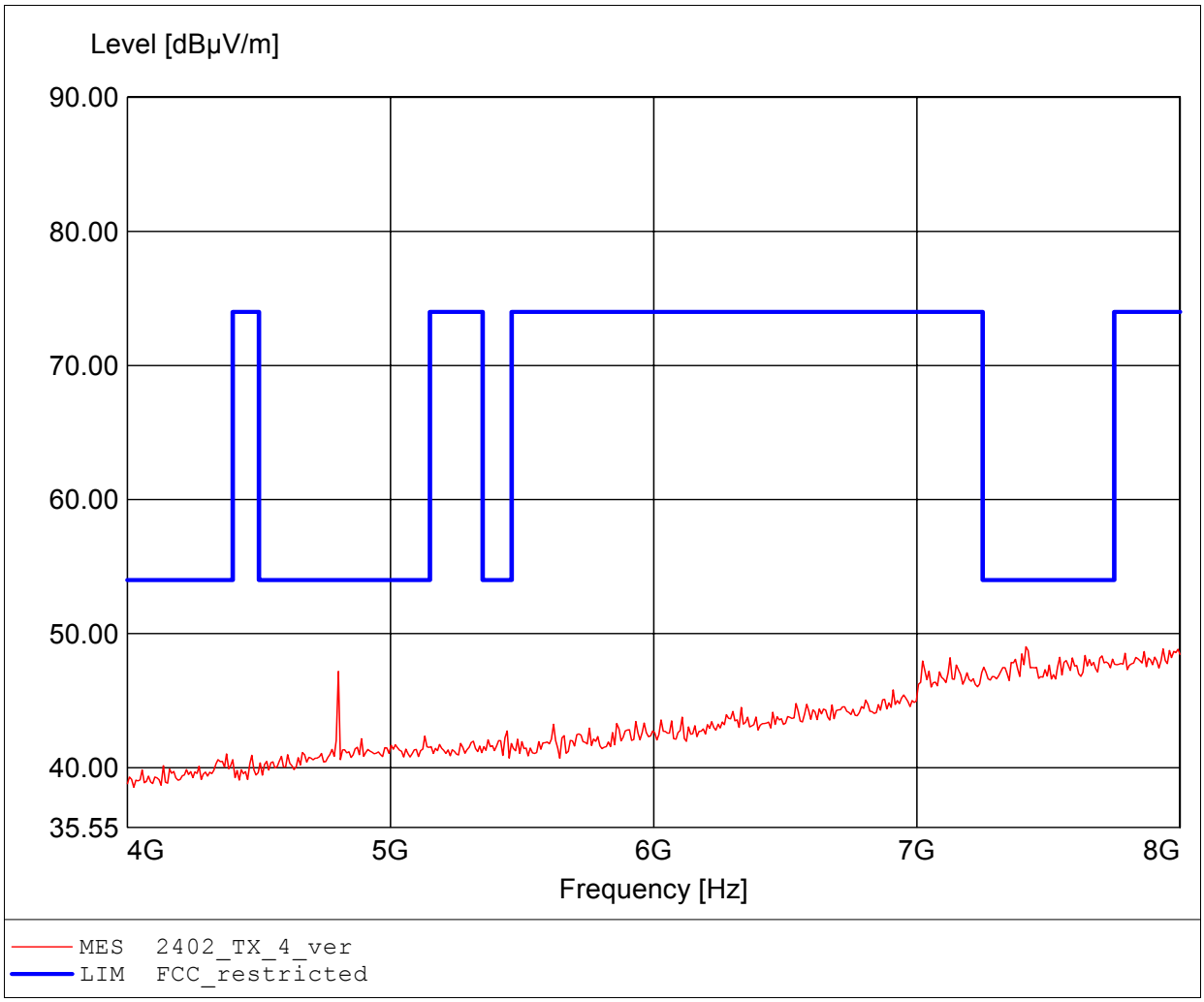
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 57.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

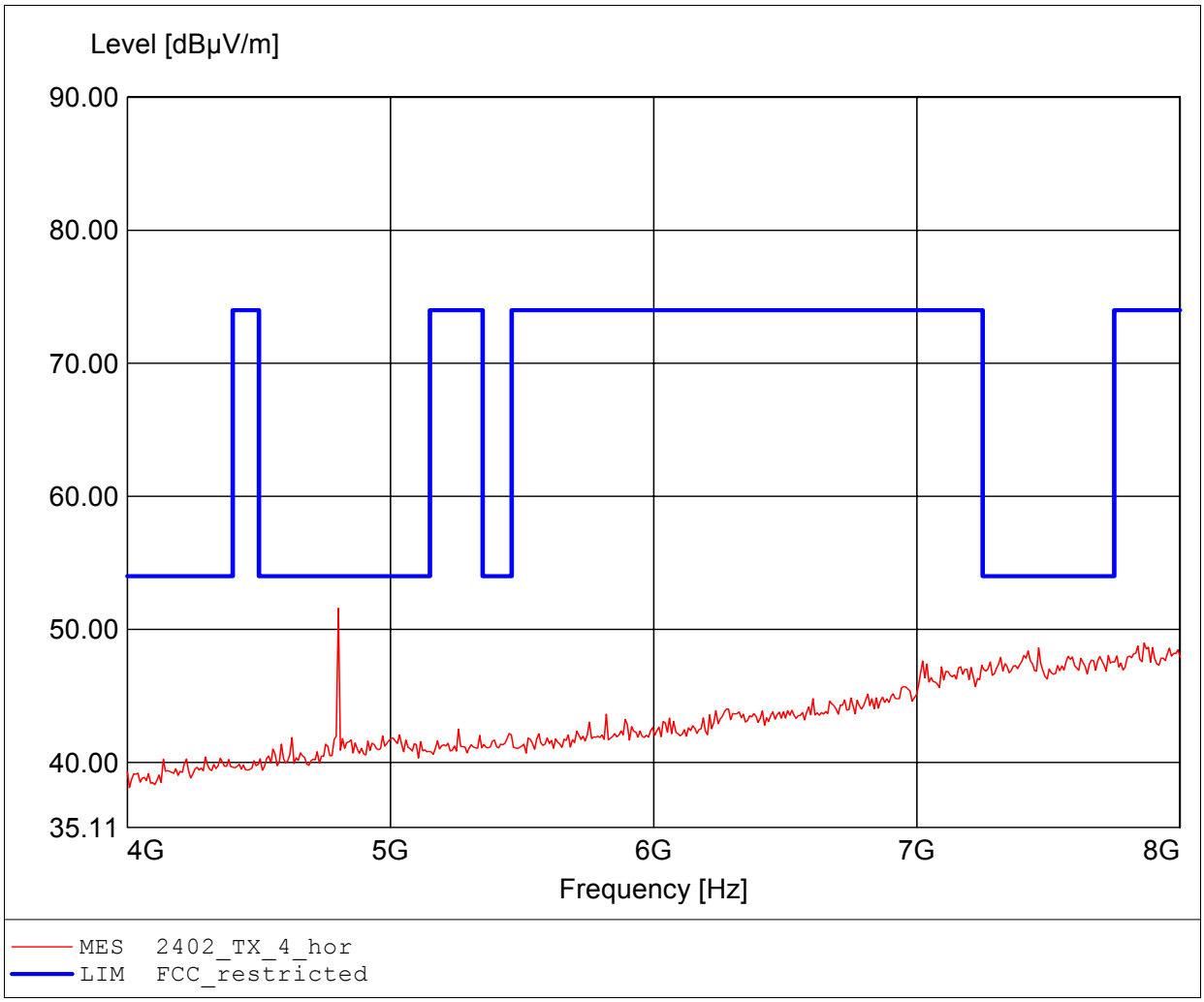
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 7.415GHz, Emax: 49.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

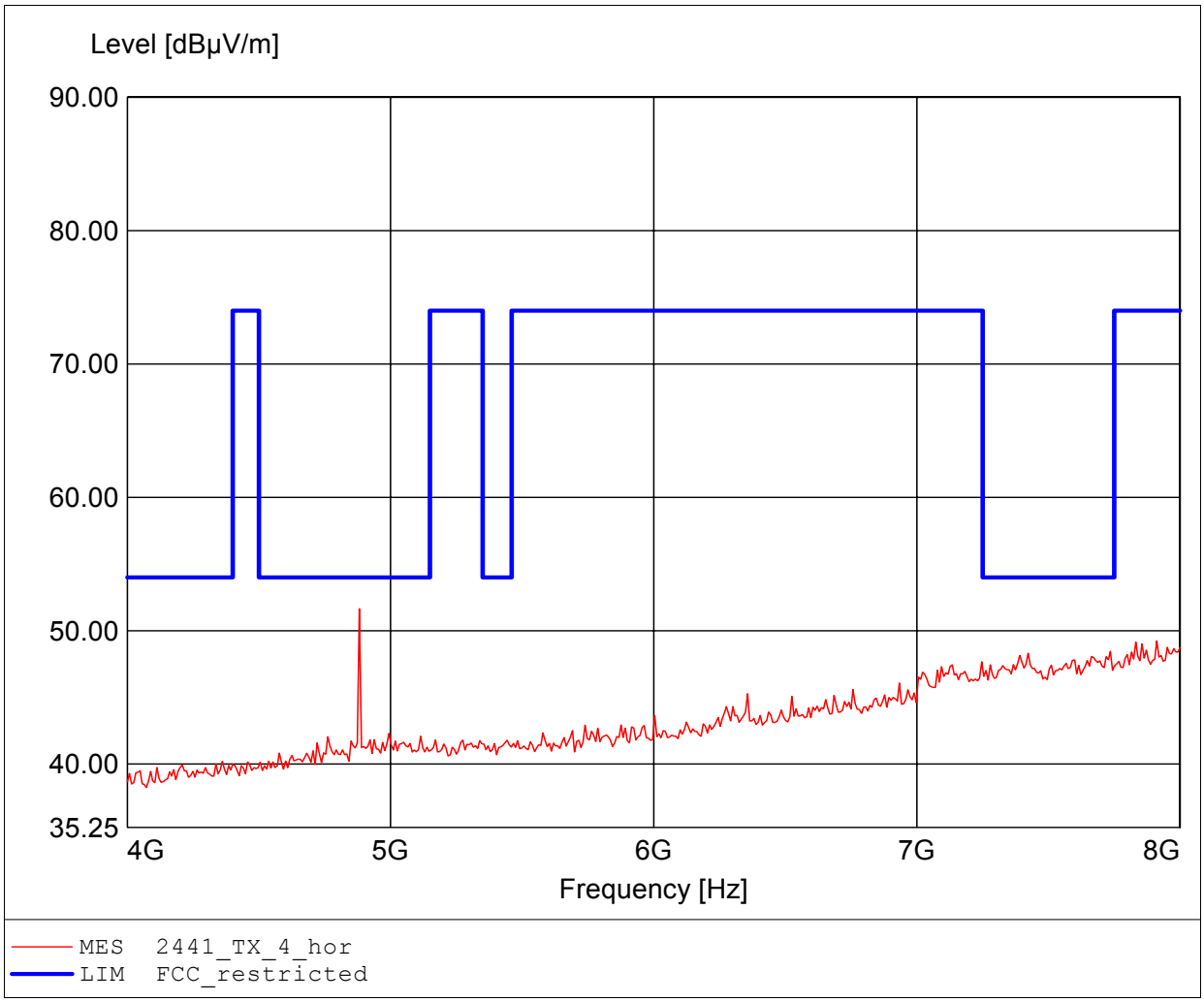
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.802GHz, Emax: 51.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

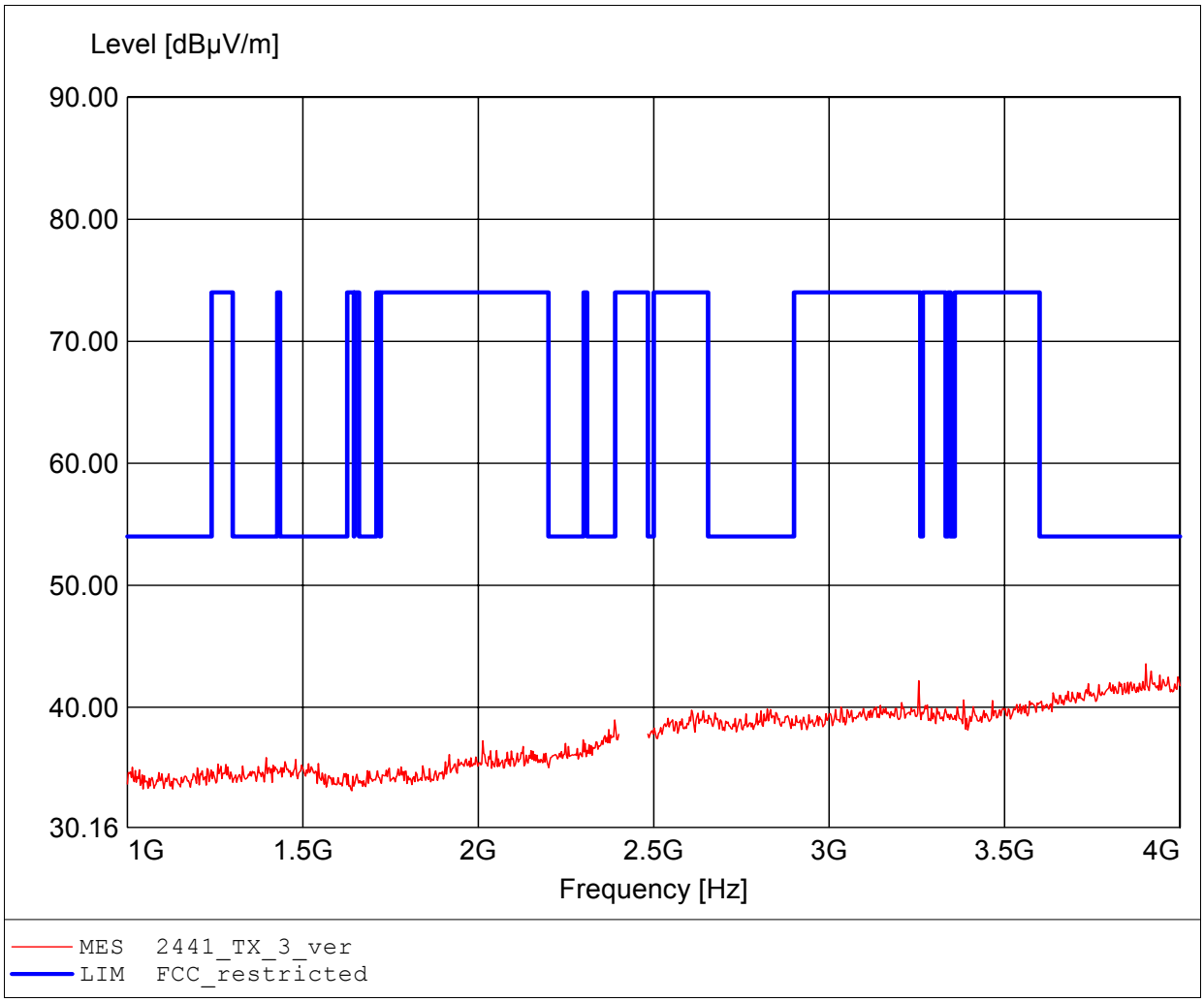
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.882GHz, Emax: 51.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

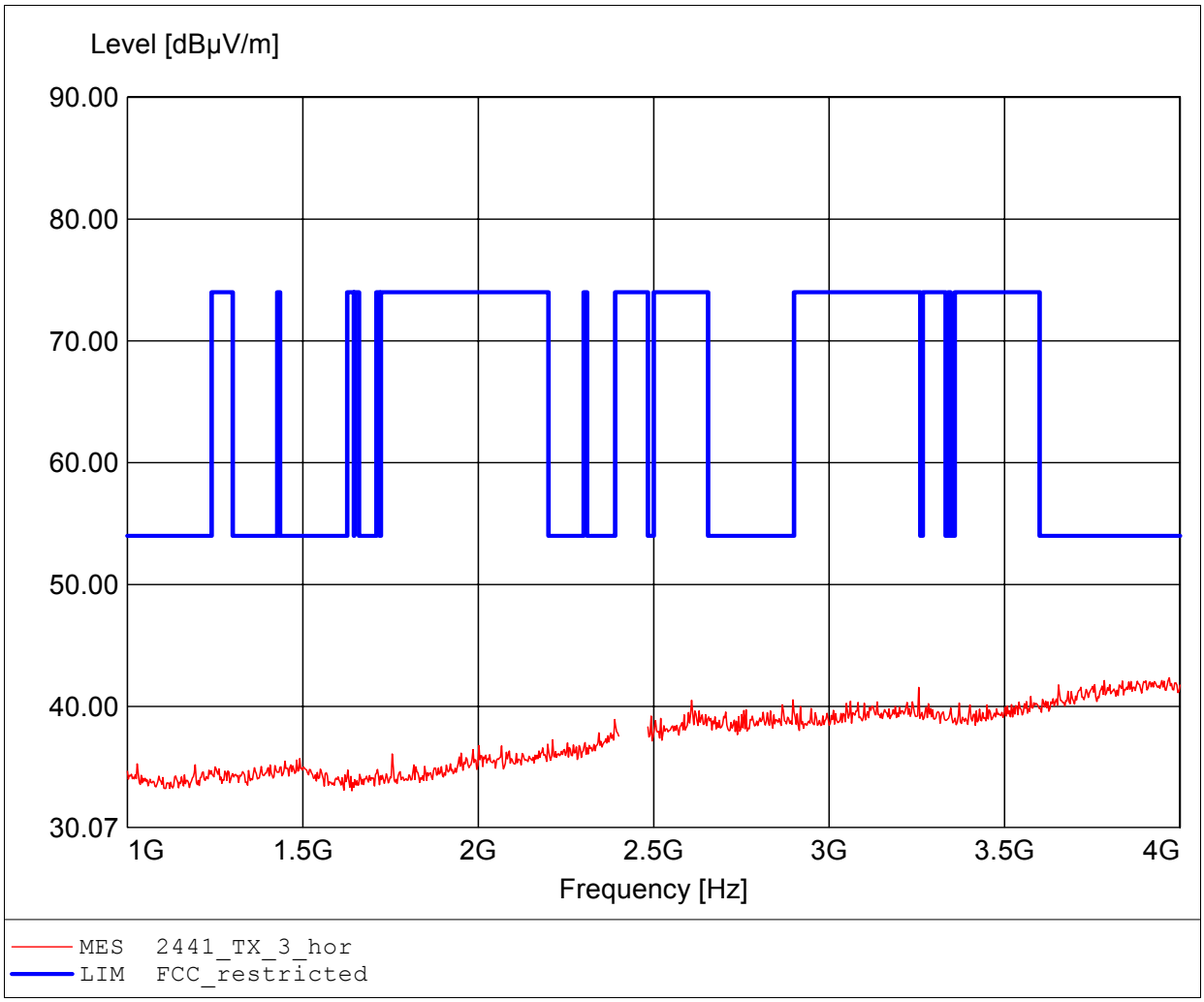
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 3.903GHz, Emax: 43.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

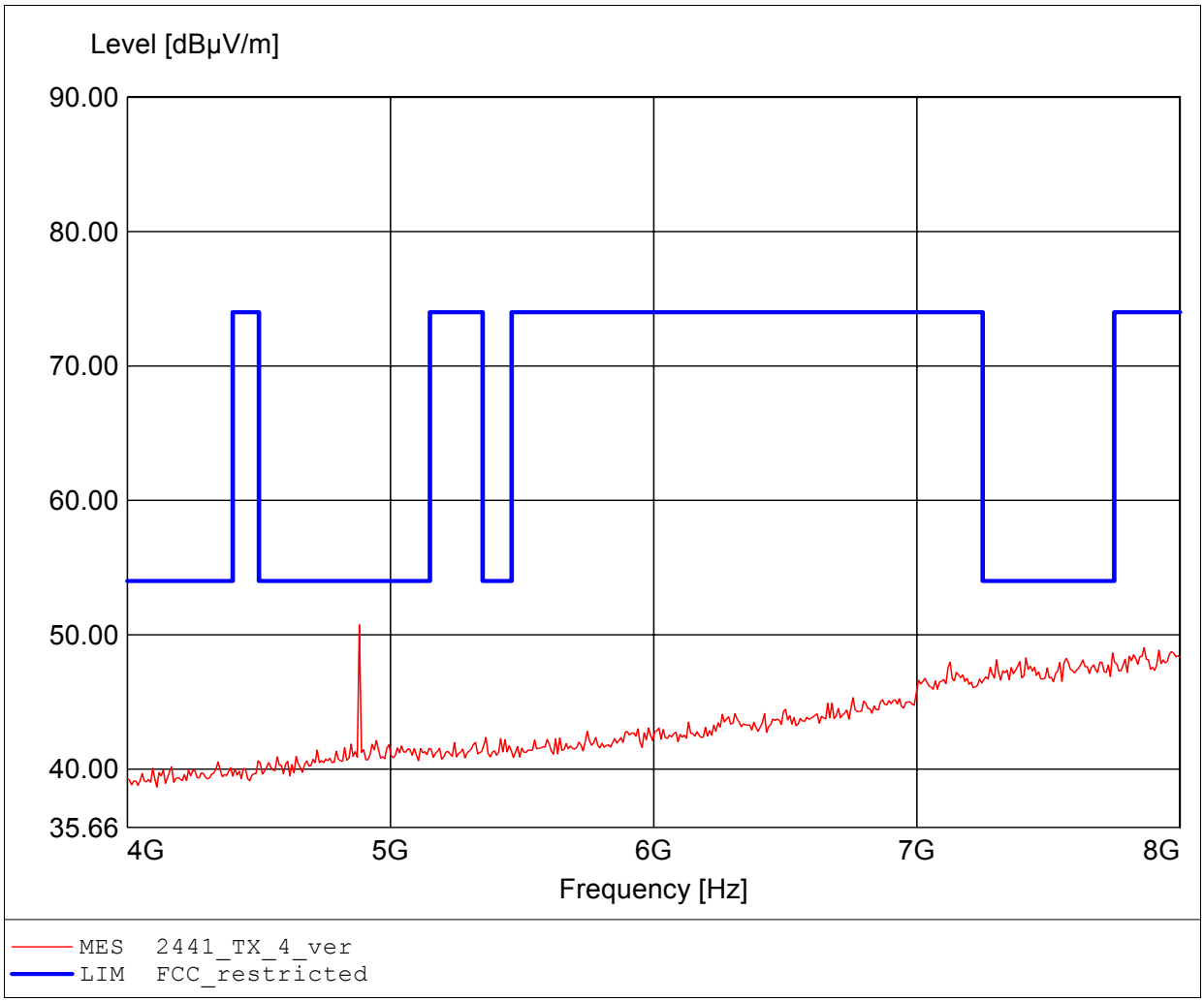
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 3.970GHz, Emax: 42.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

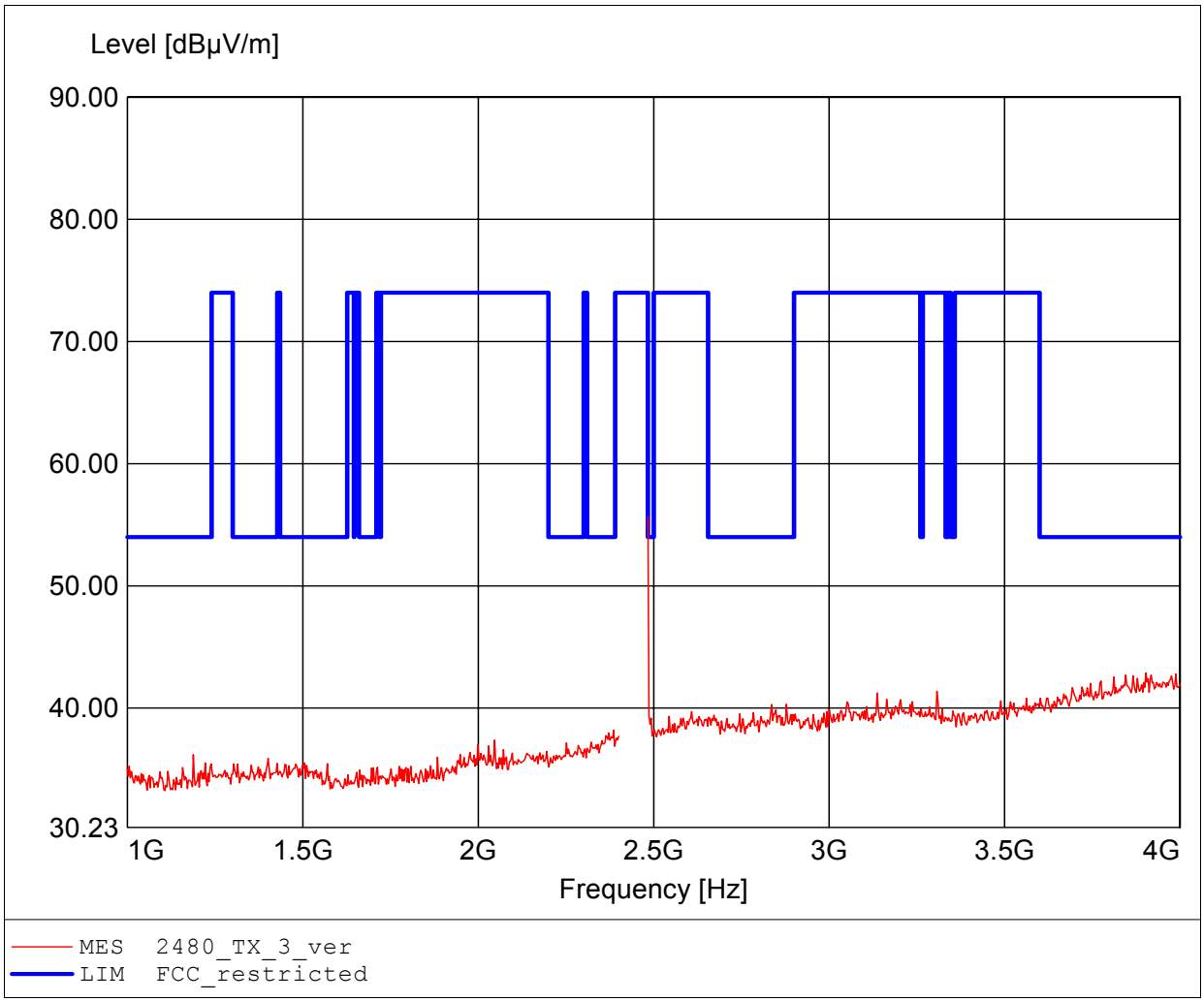
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.882GHz, Emax: 50.73dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

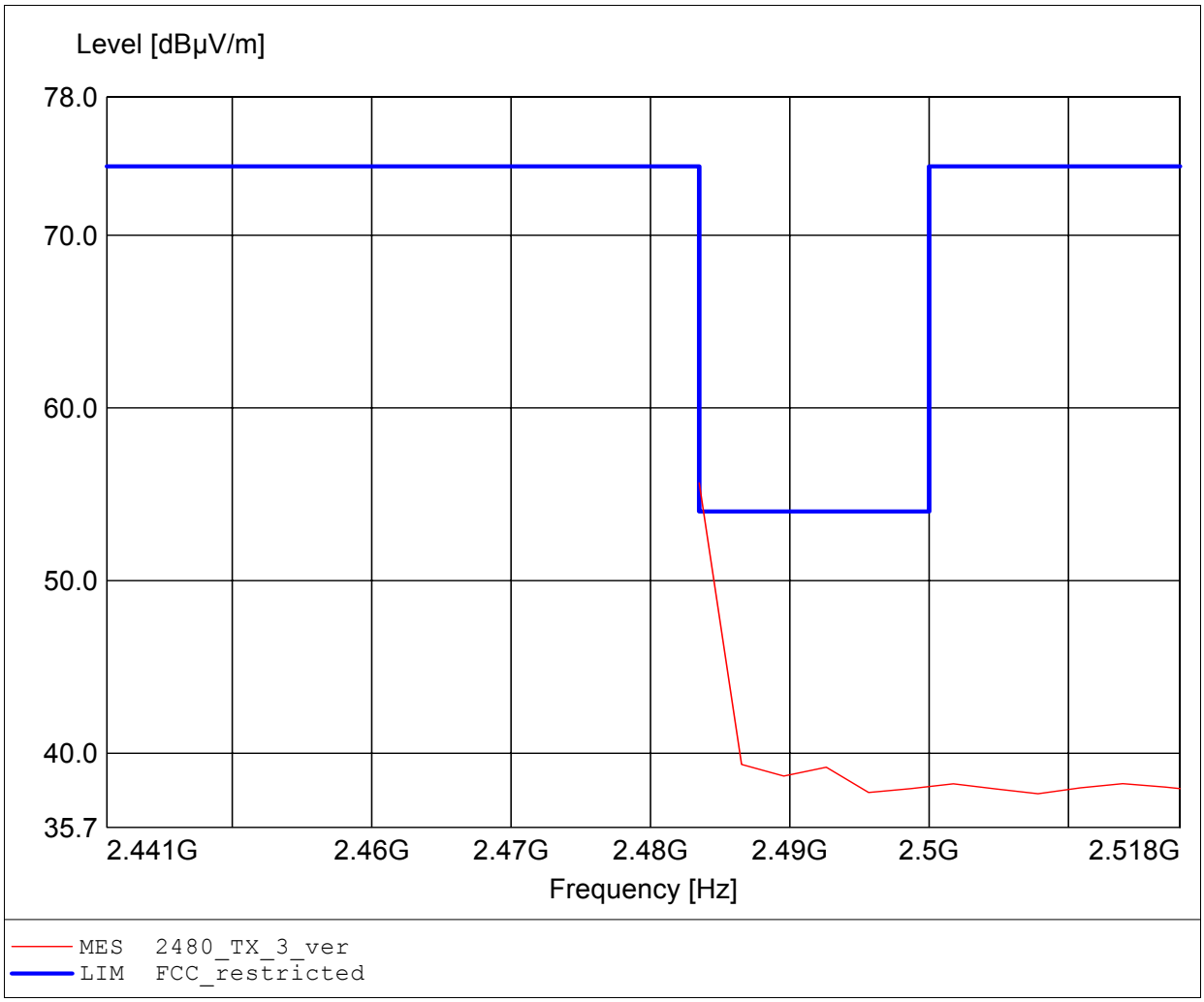
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 55.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

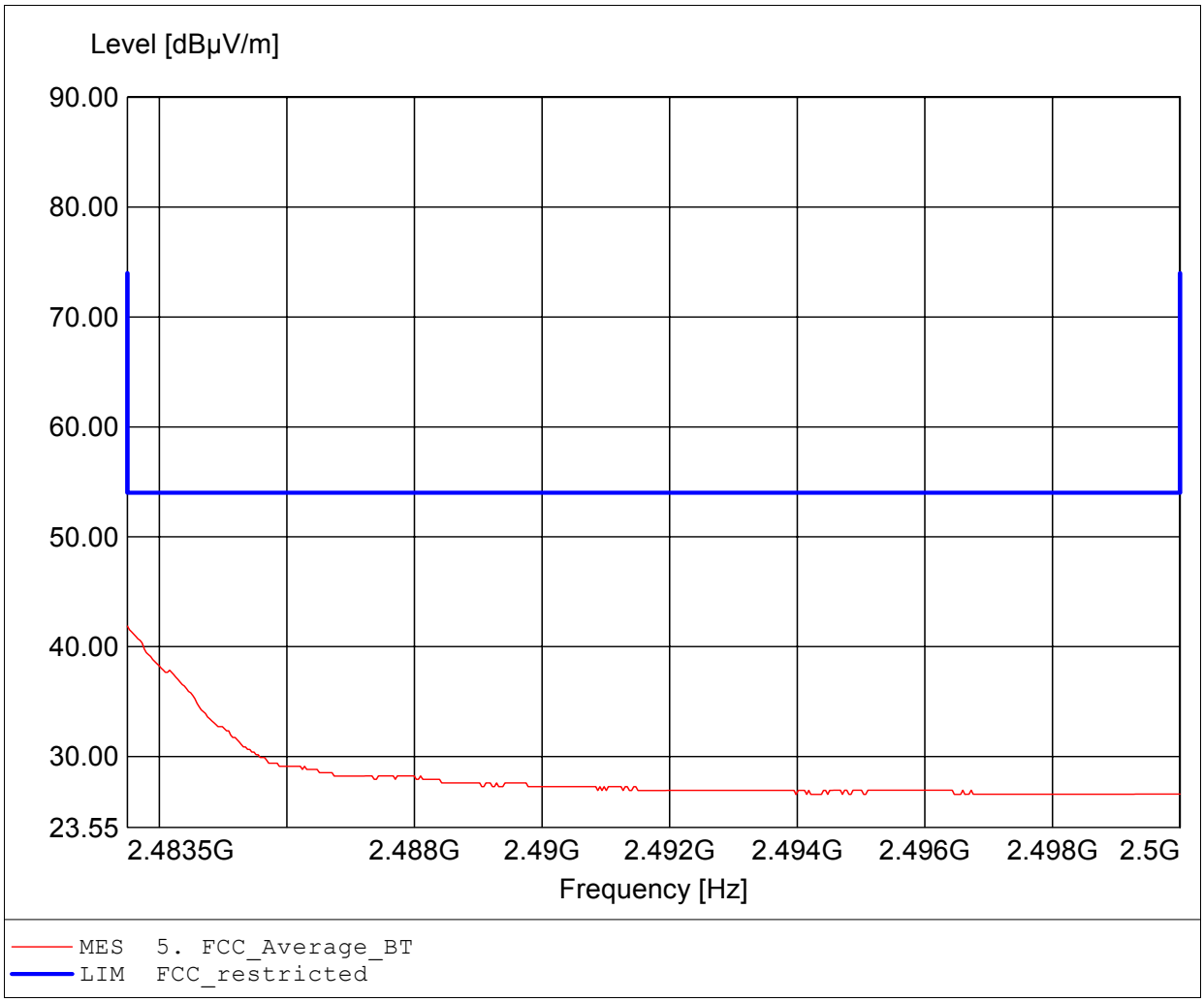
```
Approval Holder:       GN_Netcom_A_S              /     G0M21102-4196
EUT  /  Model:         Bluetooth mono headset    /   Jabra OTE9
                       EDR  /  CH: 2480  /  3-DH5  /  Pmax  /  horizontal
Test Site / Operator:  Eurofins Product Service GmbH  /  Mr. Pudell
Test Condition:        Tnom.: 24°C   /   Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:    Freq. / CH: 2480
Comment 1:             Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:             Freq: 2.484GHz, Emax: 55.65dBµV/m, RBW: 1MHz
```



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

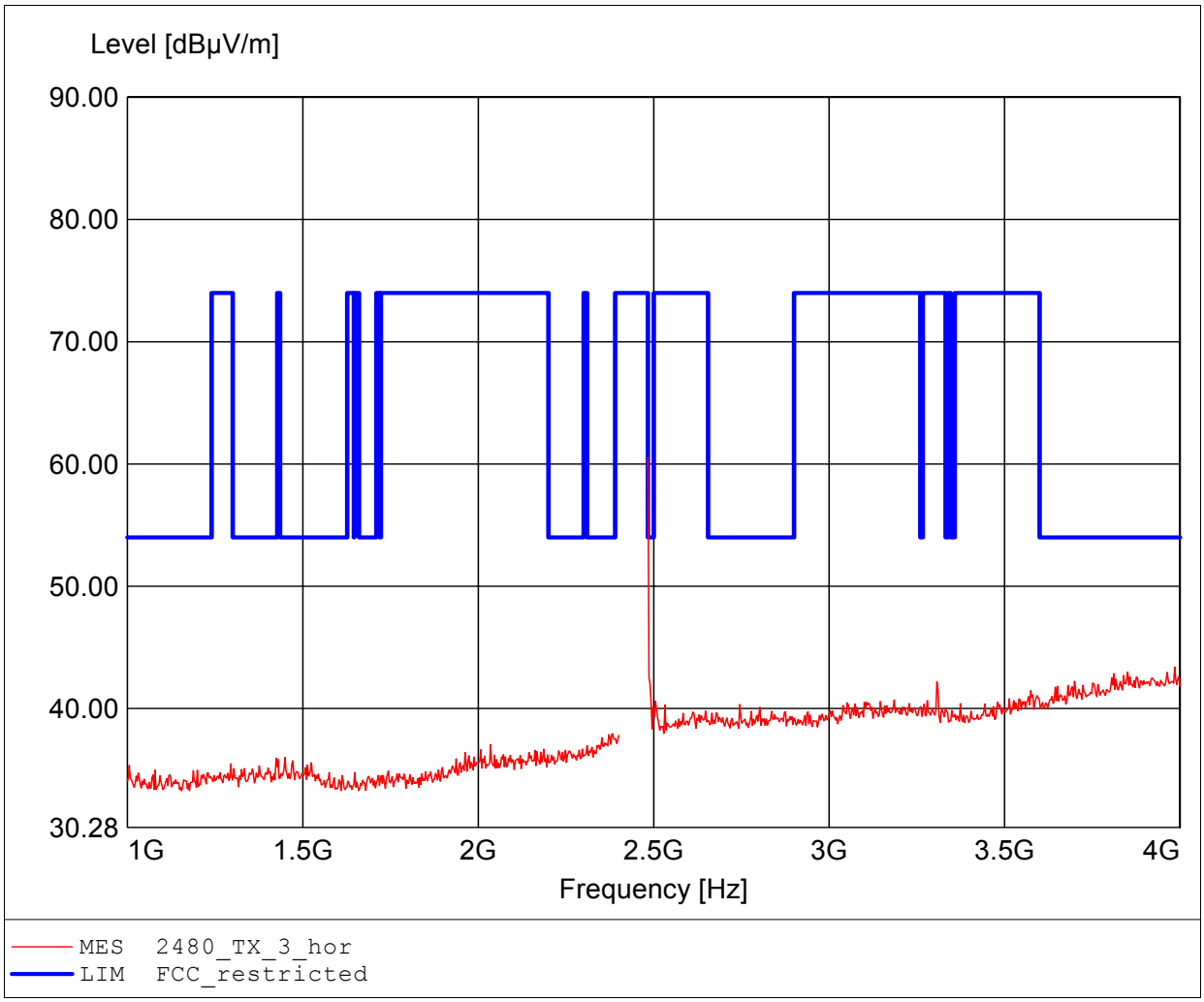
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 2.484GHz, Emax: 41.88dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

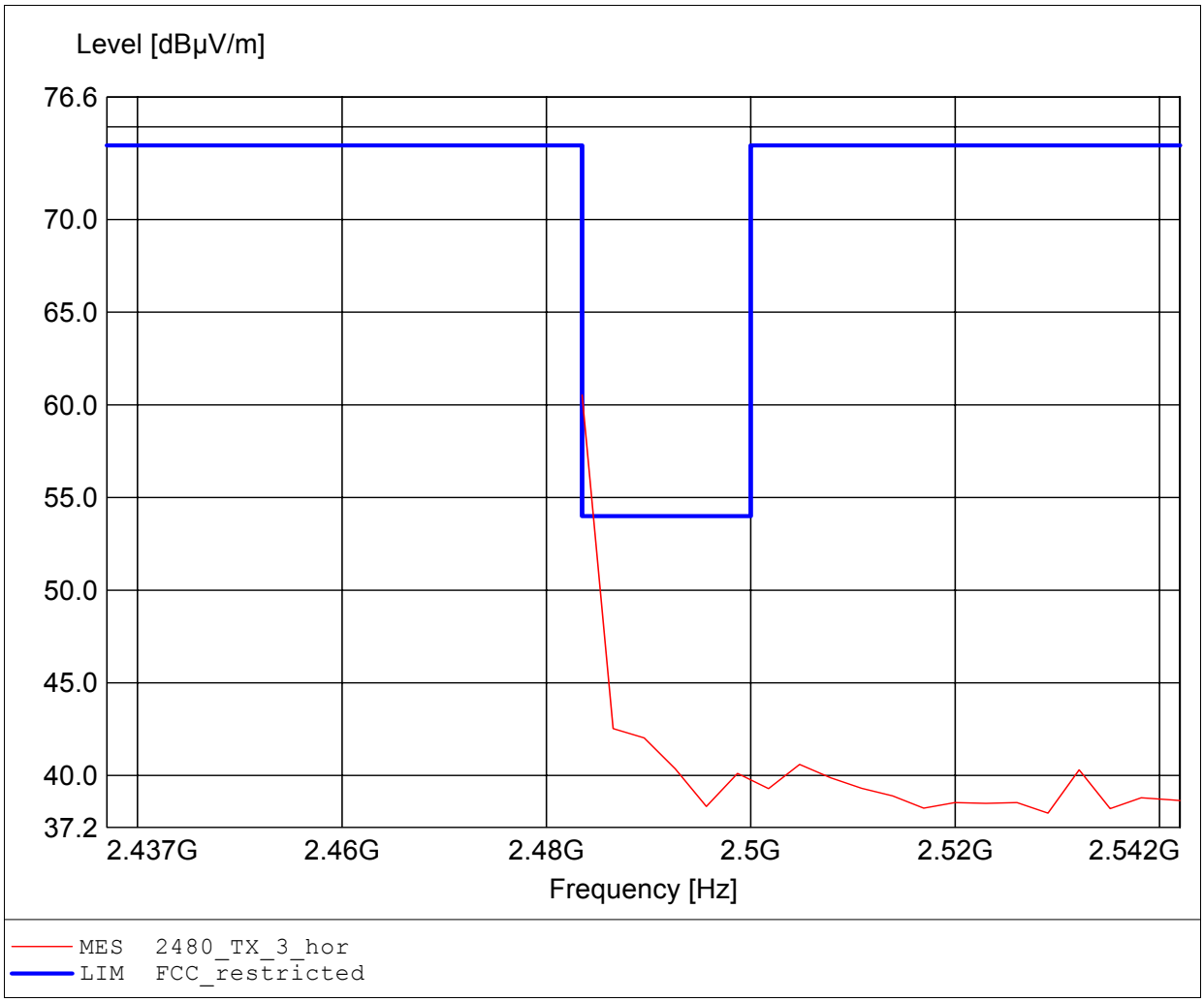
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 60.54dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

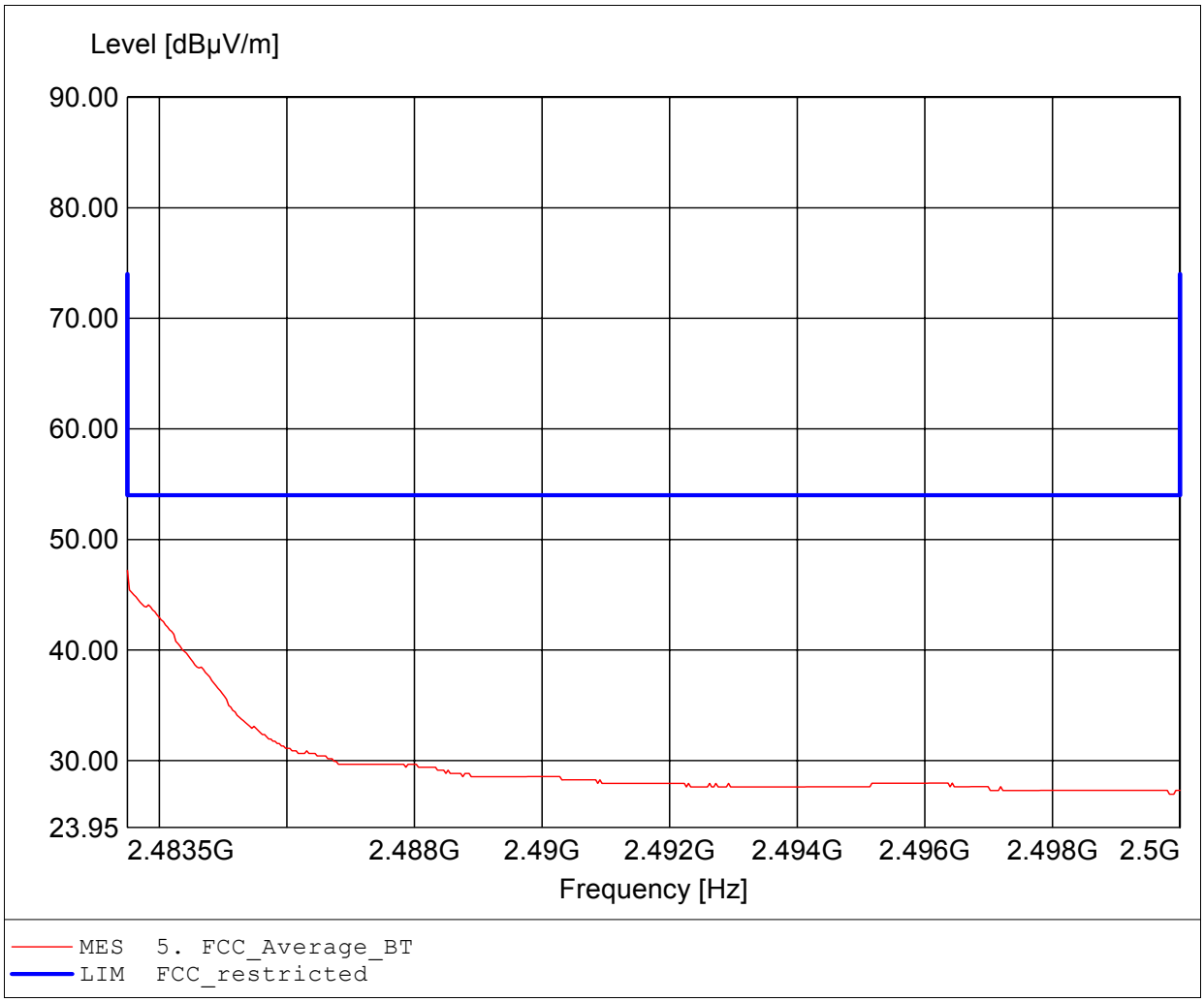
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 60.54dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

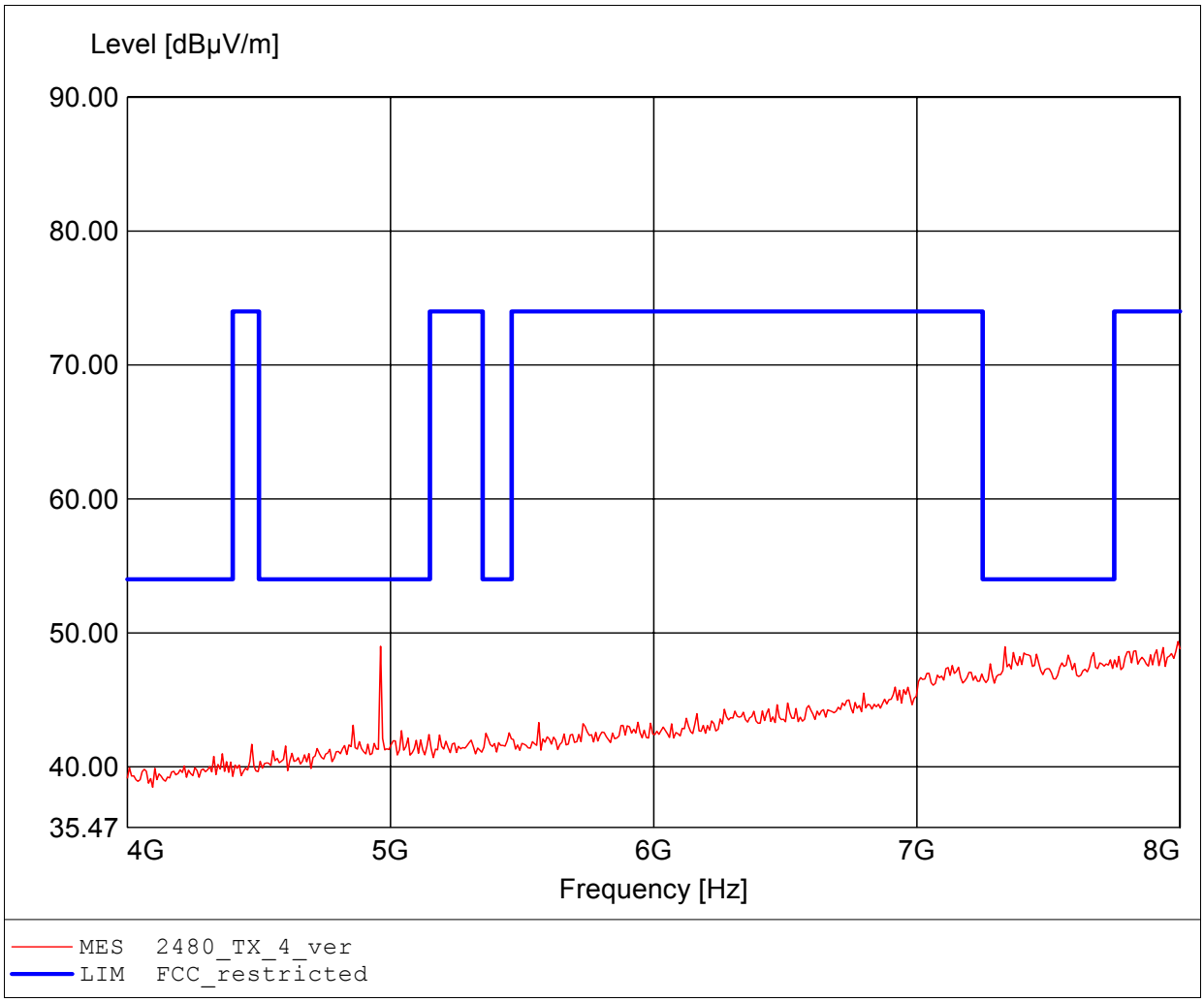
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 2.484GHz, Emax: 47.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

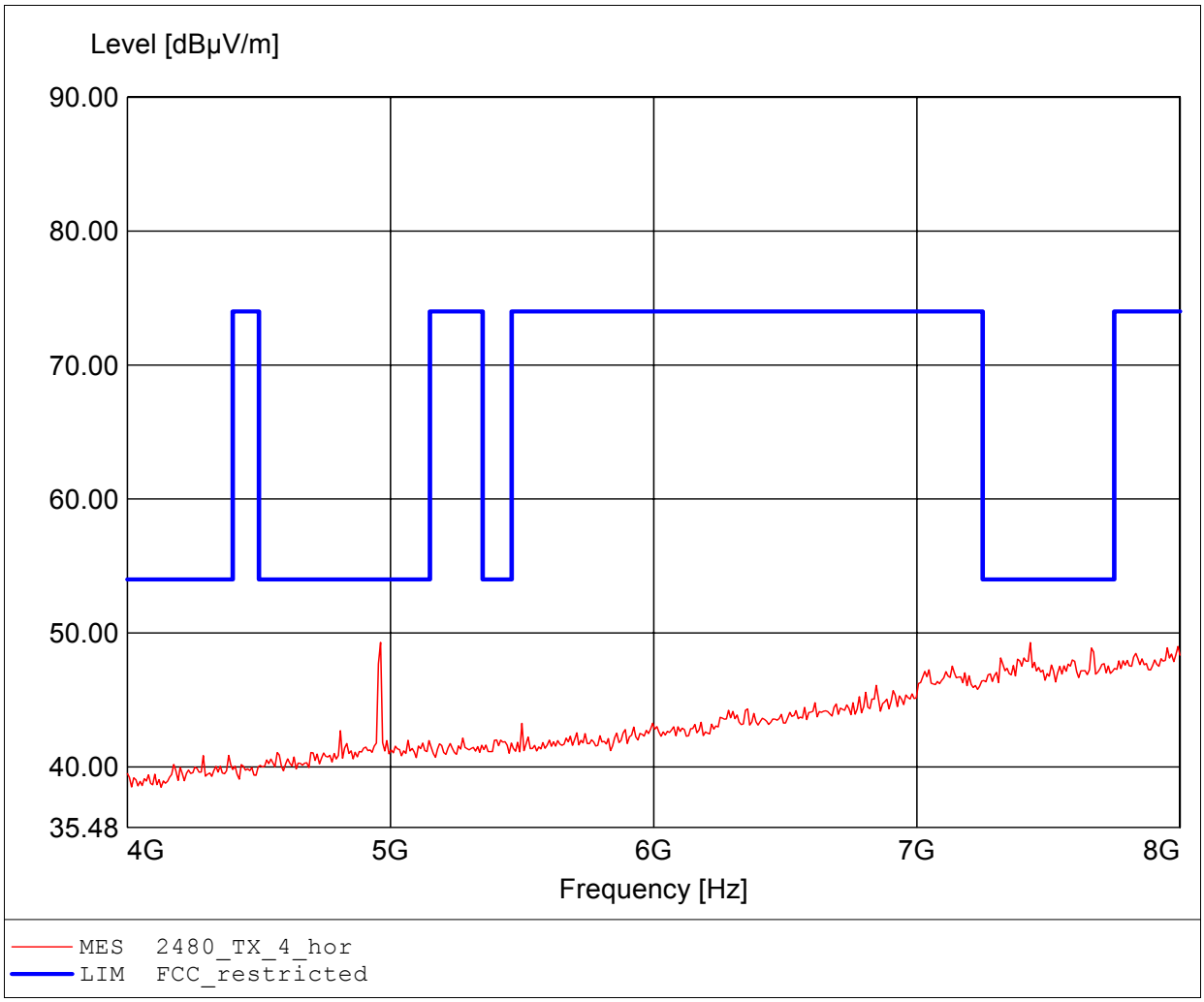
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 7.992GHz, Emax: 49.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

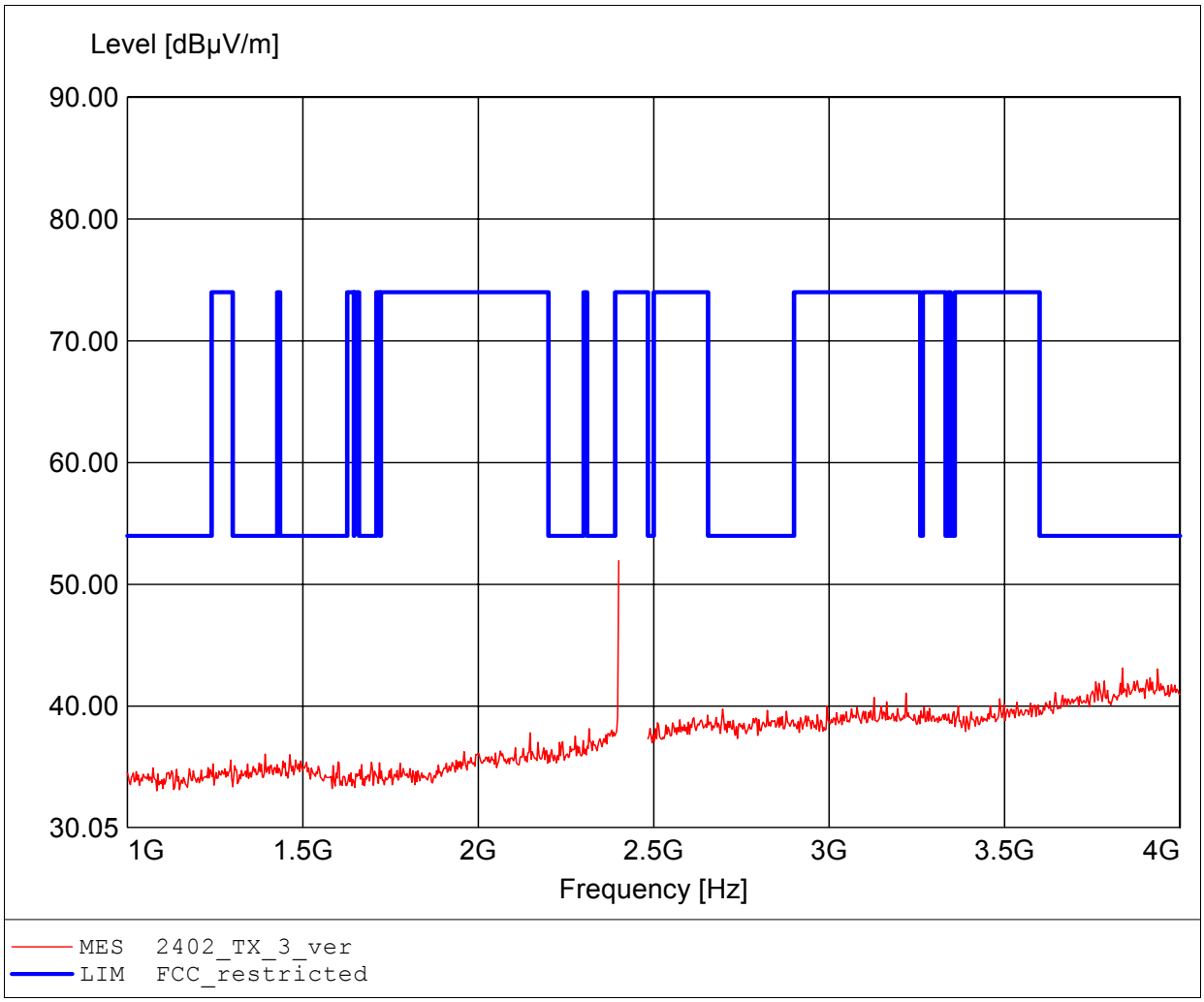
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.962GHz, Emax: 49.30dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

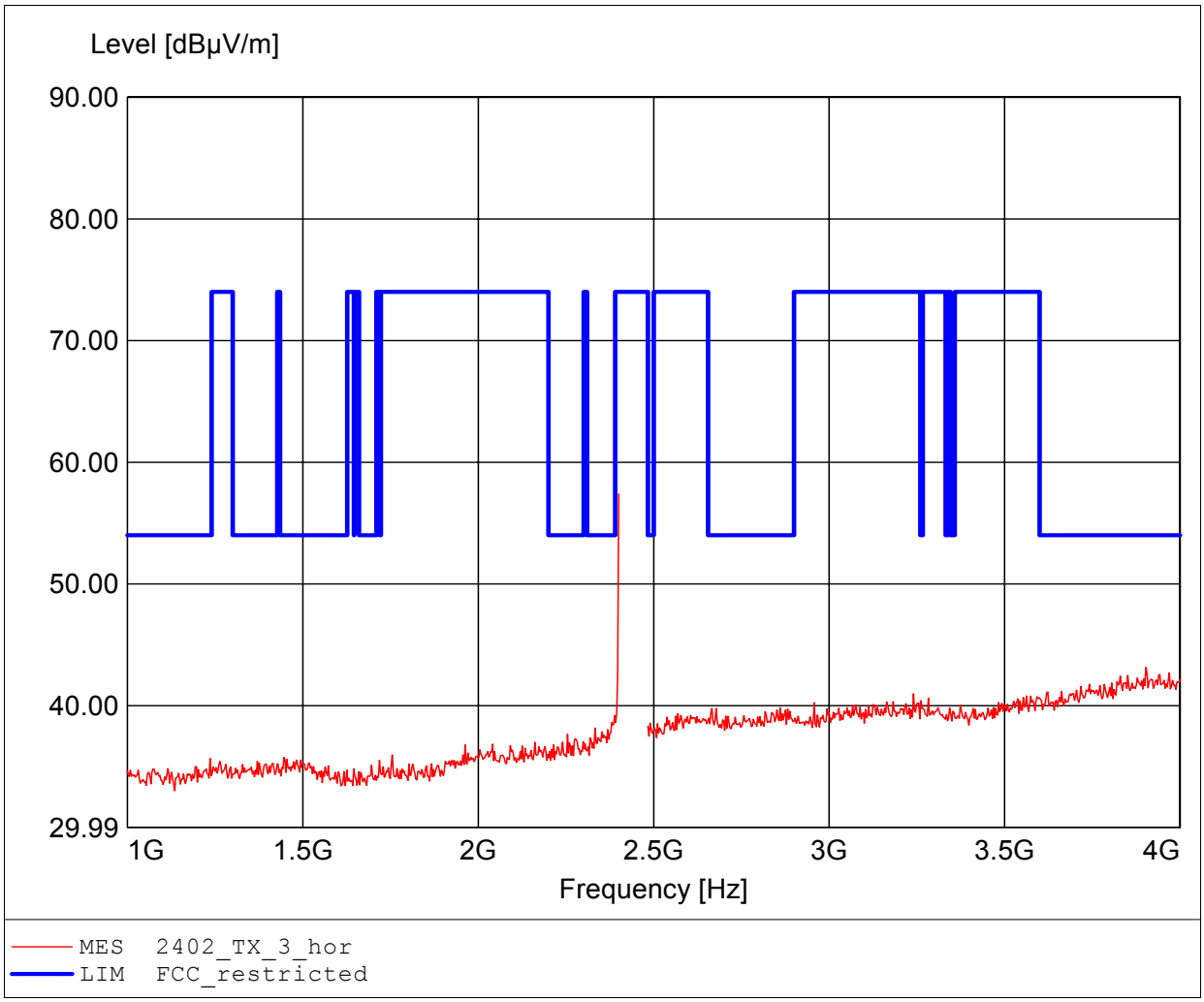
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 51.95dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

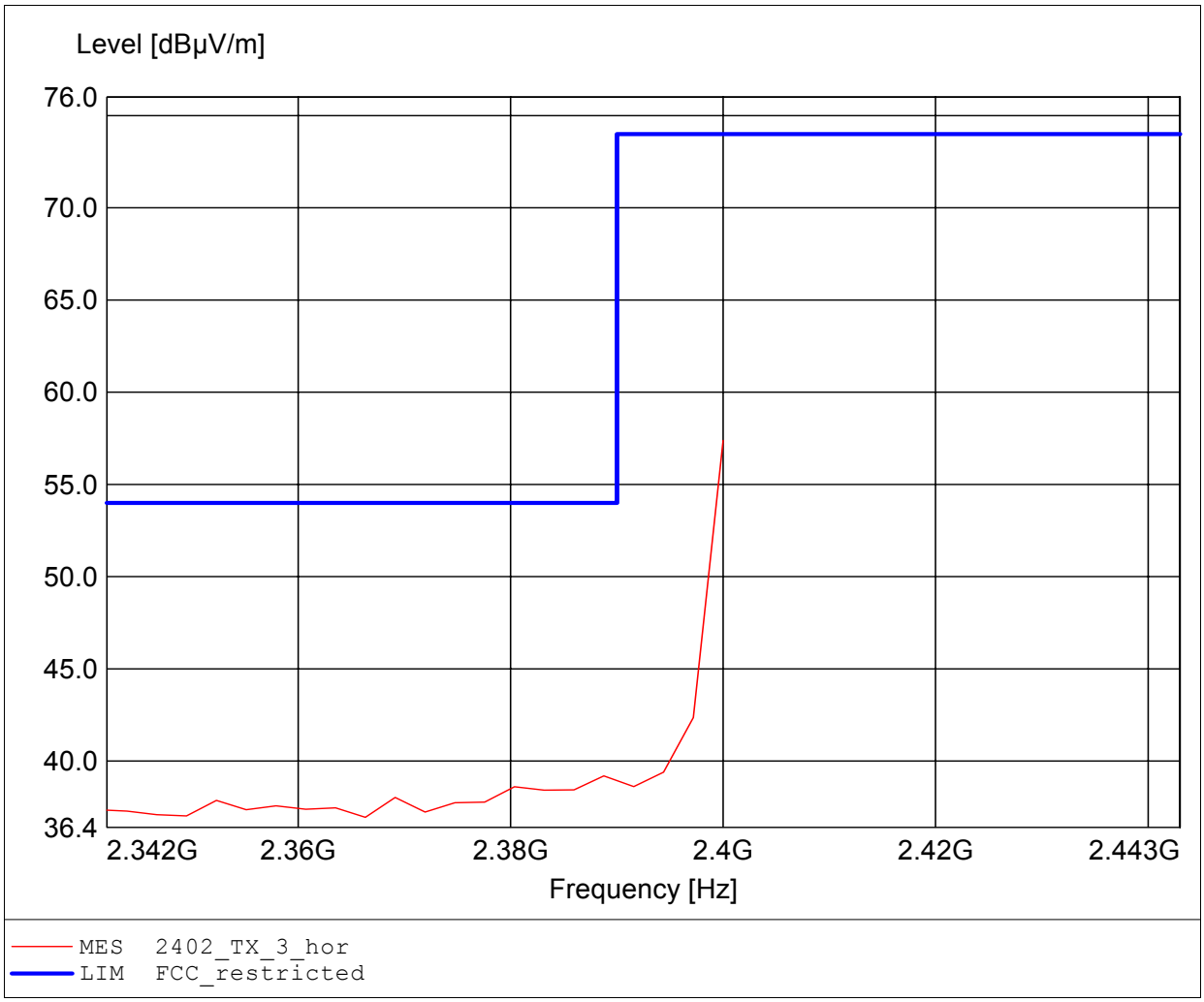
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 57.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

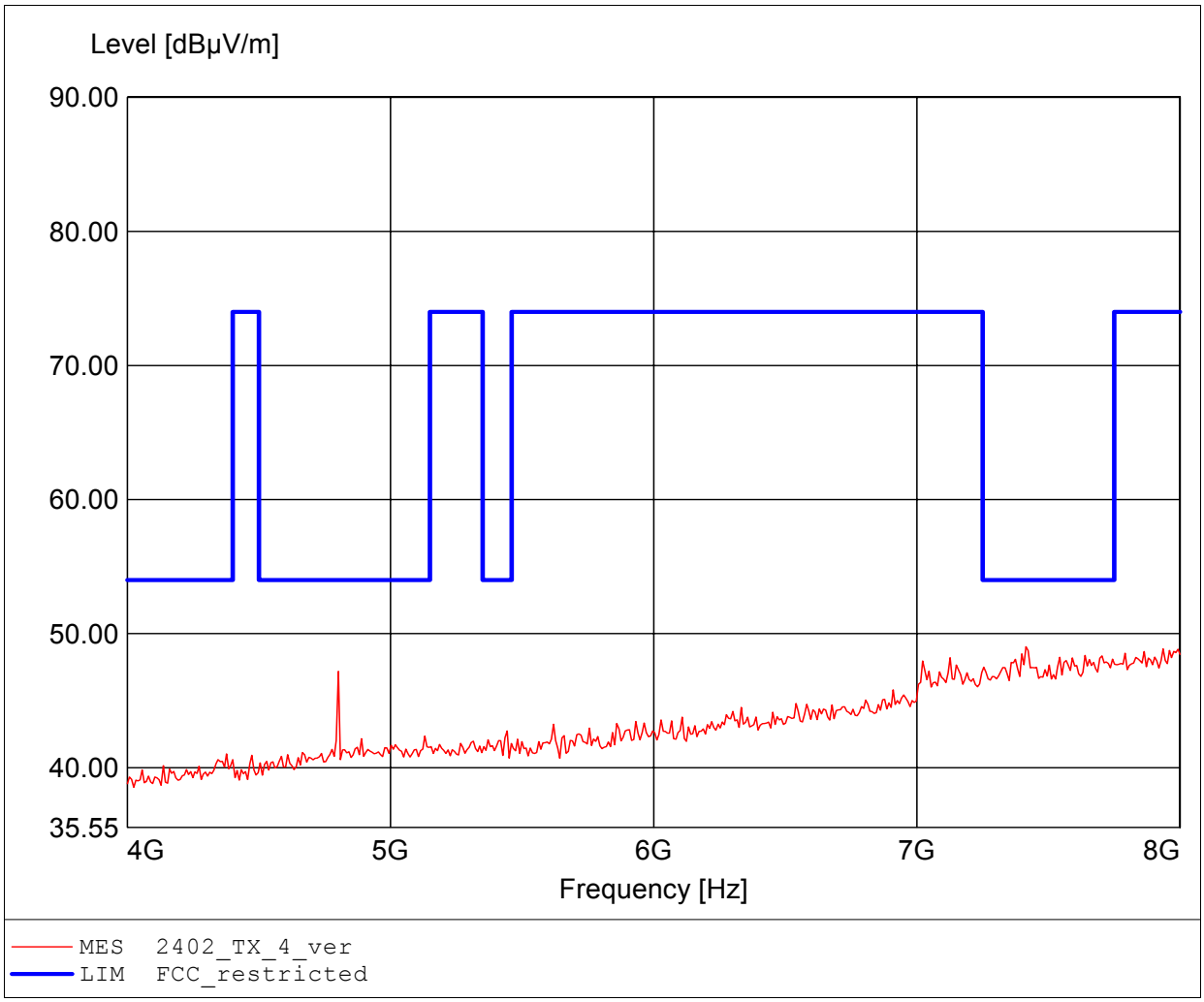
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.400GHz, Emax: 57.39dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

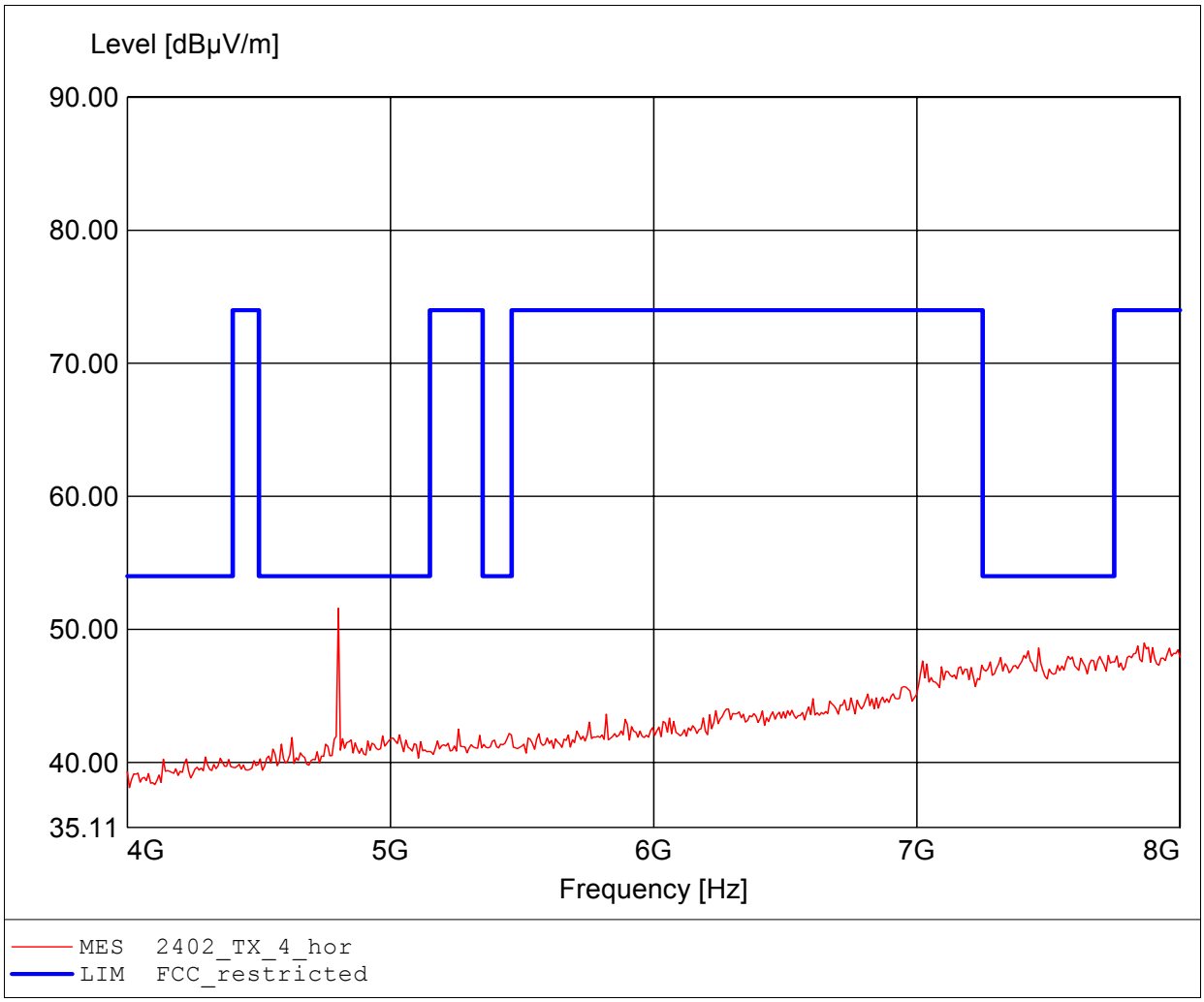
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 7.415GHz, Emax: 49.02dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

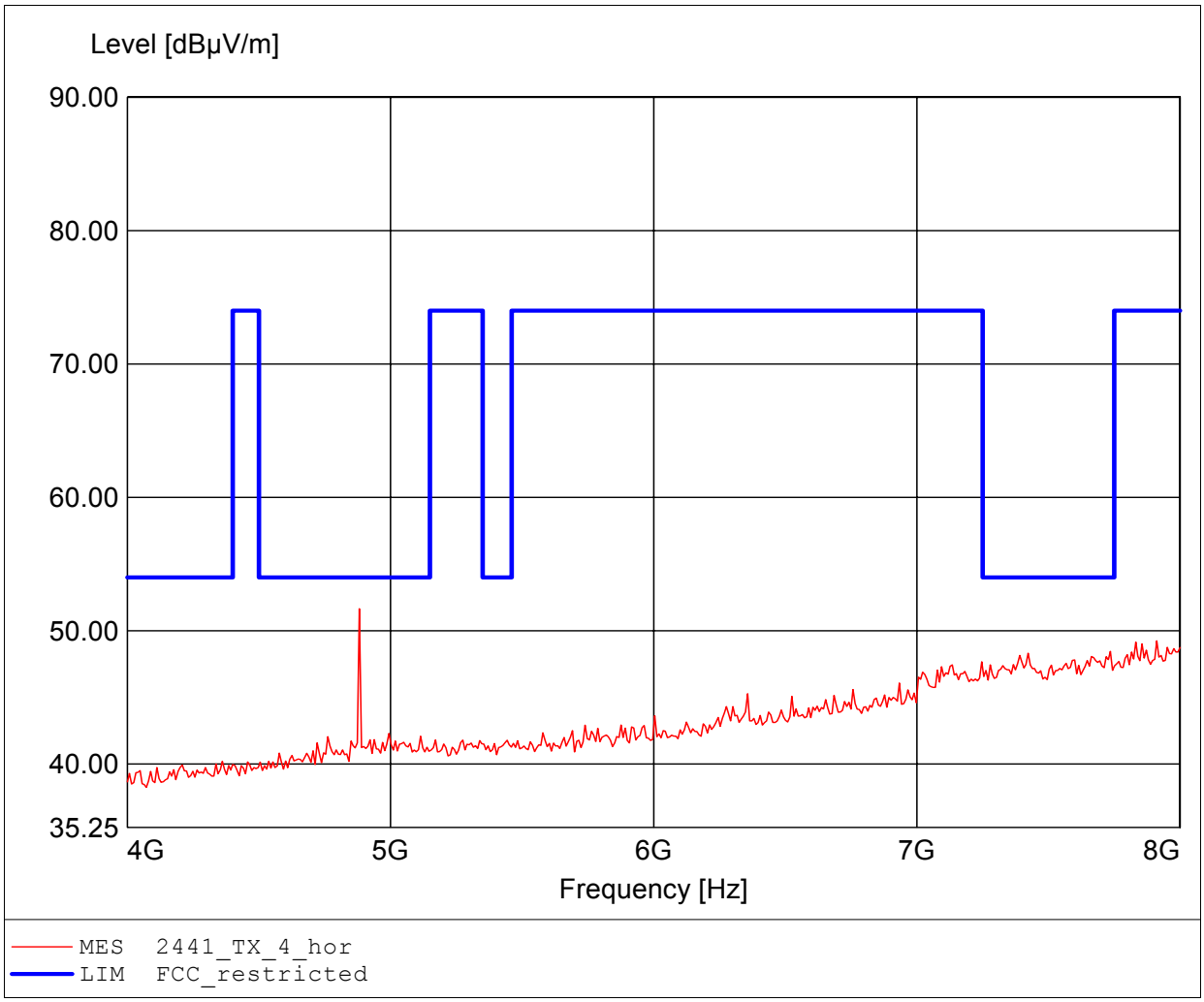
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2402 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2402
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.802GHz, Emax: 51.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

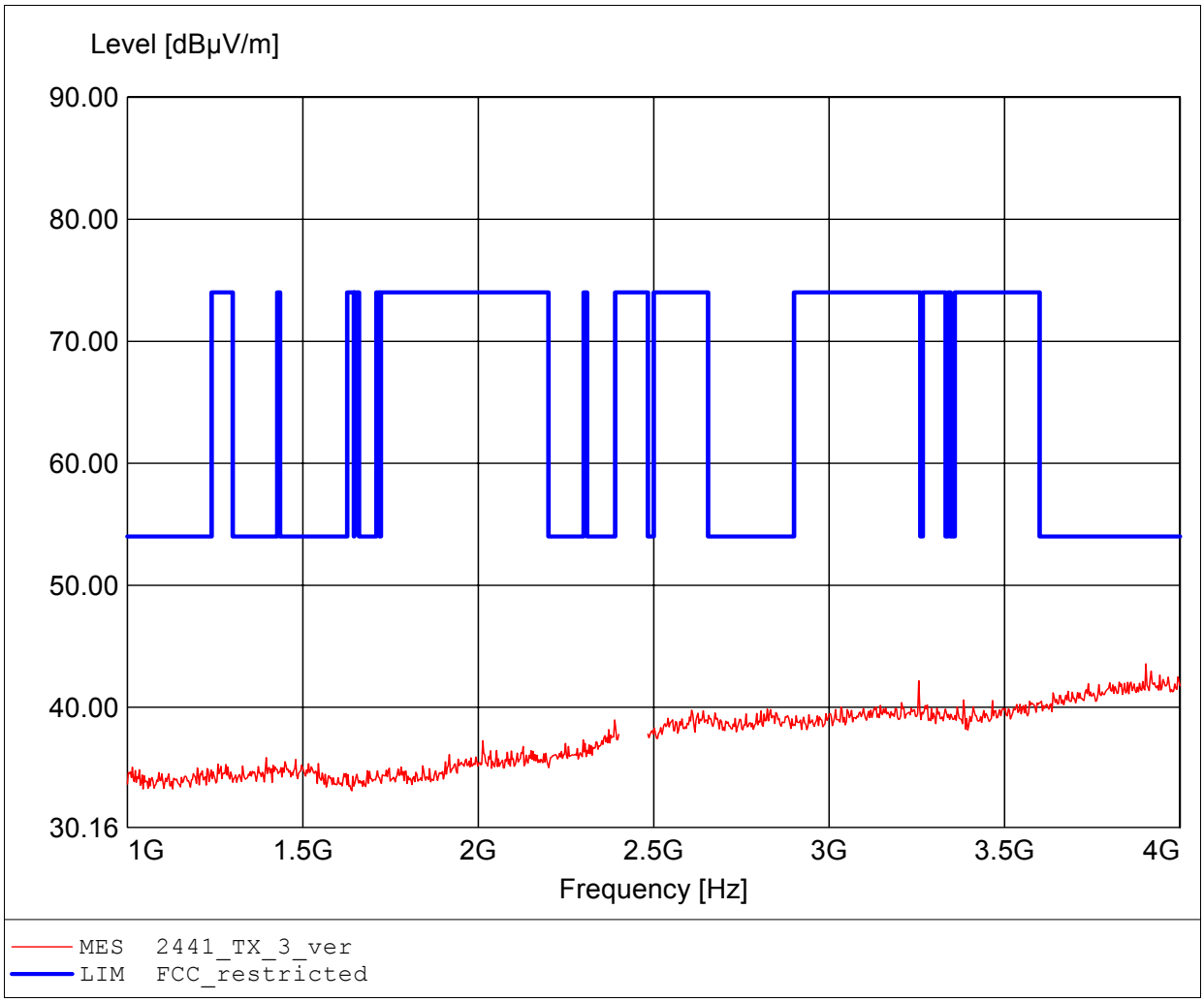
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.882GHz, Emax: 51.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

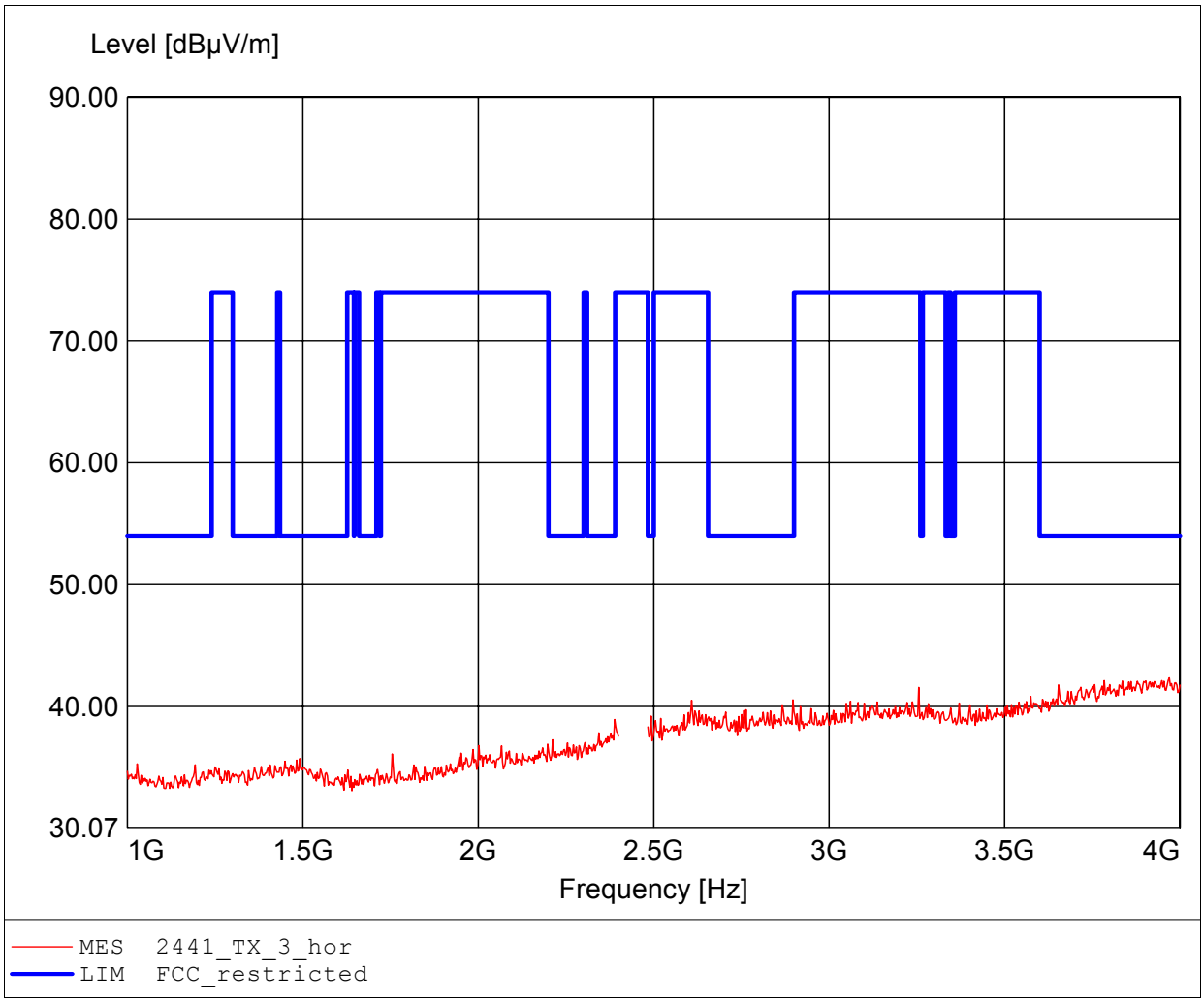
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 3.903GHz, Emax: 43.57dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

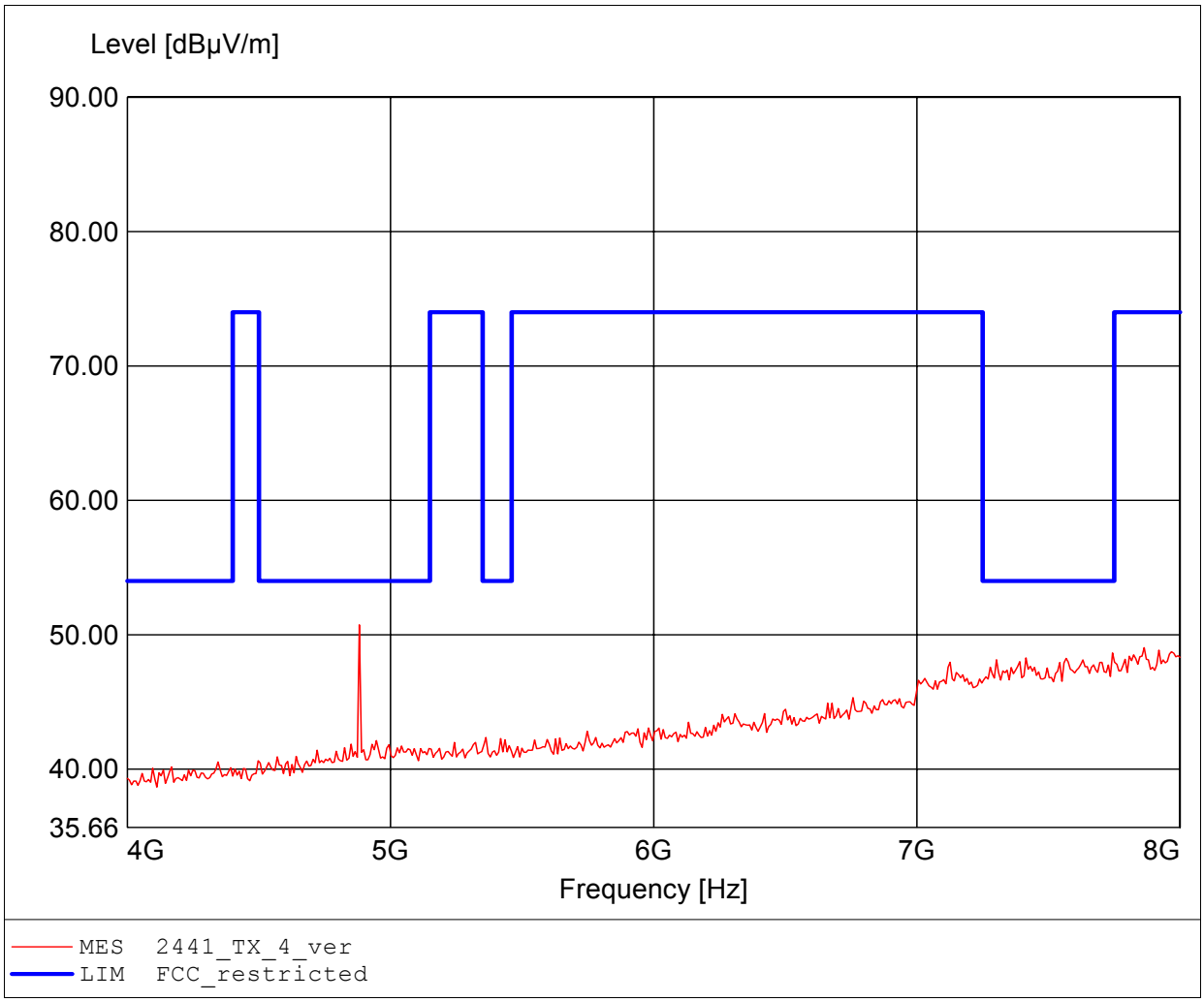
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 3.970GHz, Emax: 42.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

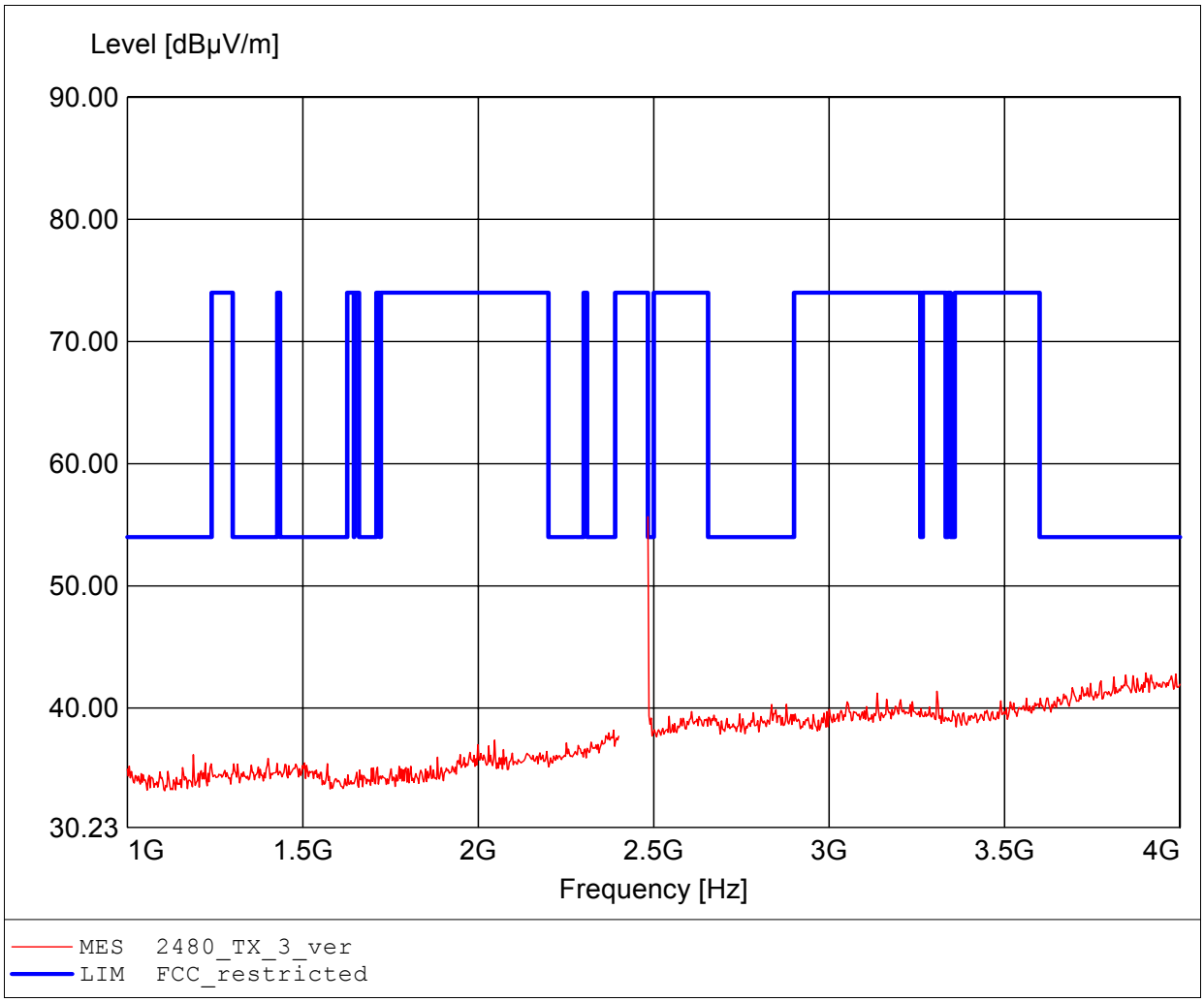
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2441 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.882GHz, Emax: 50.73dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

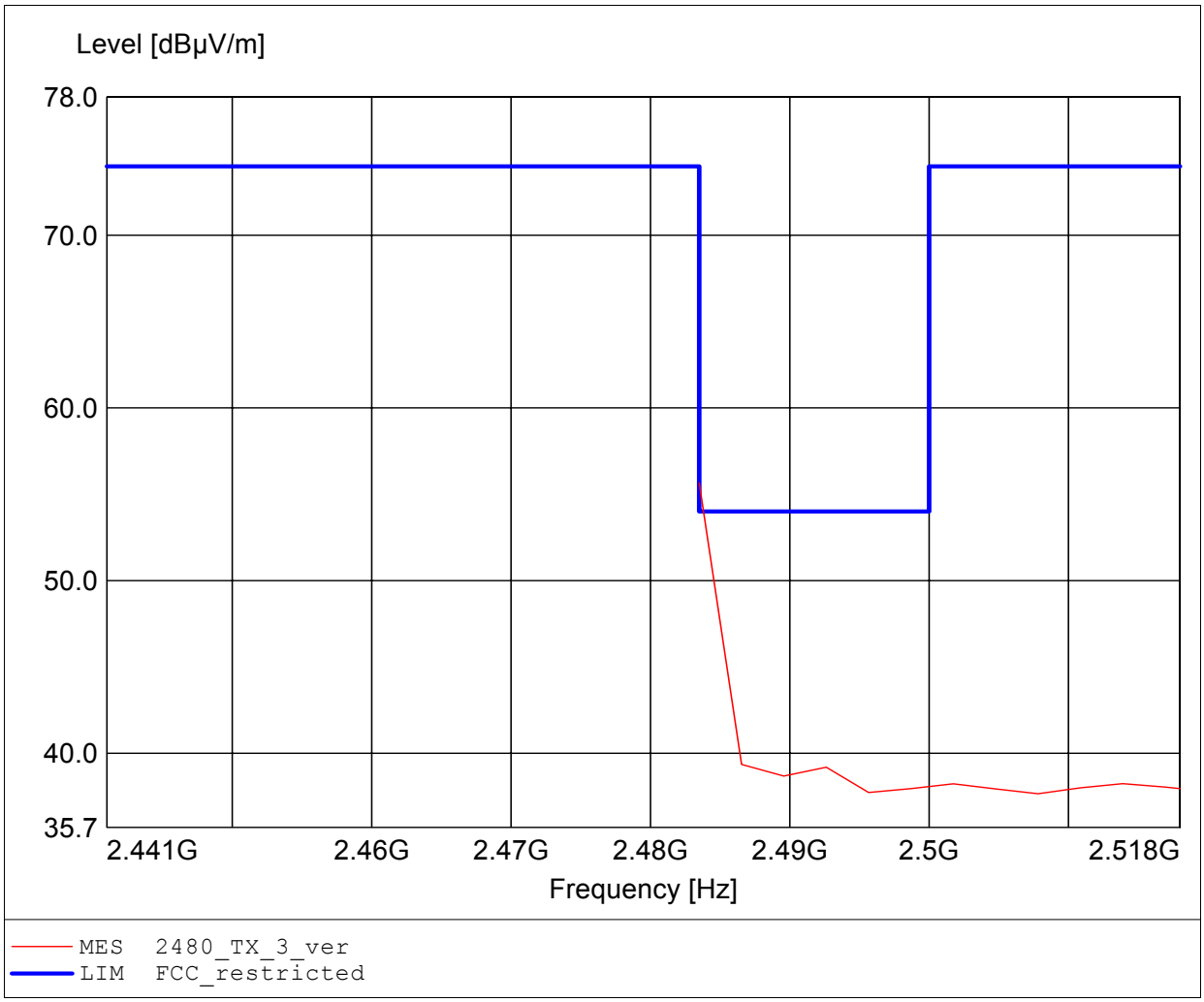
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 55.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

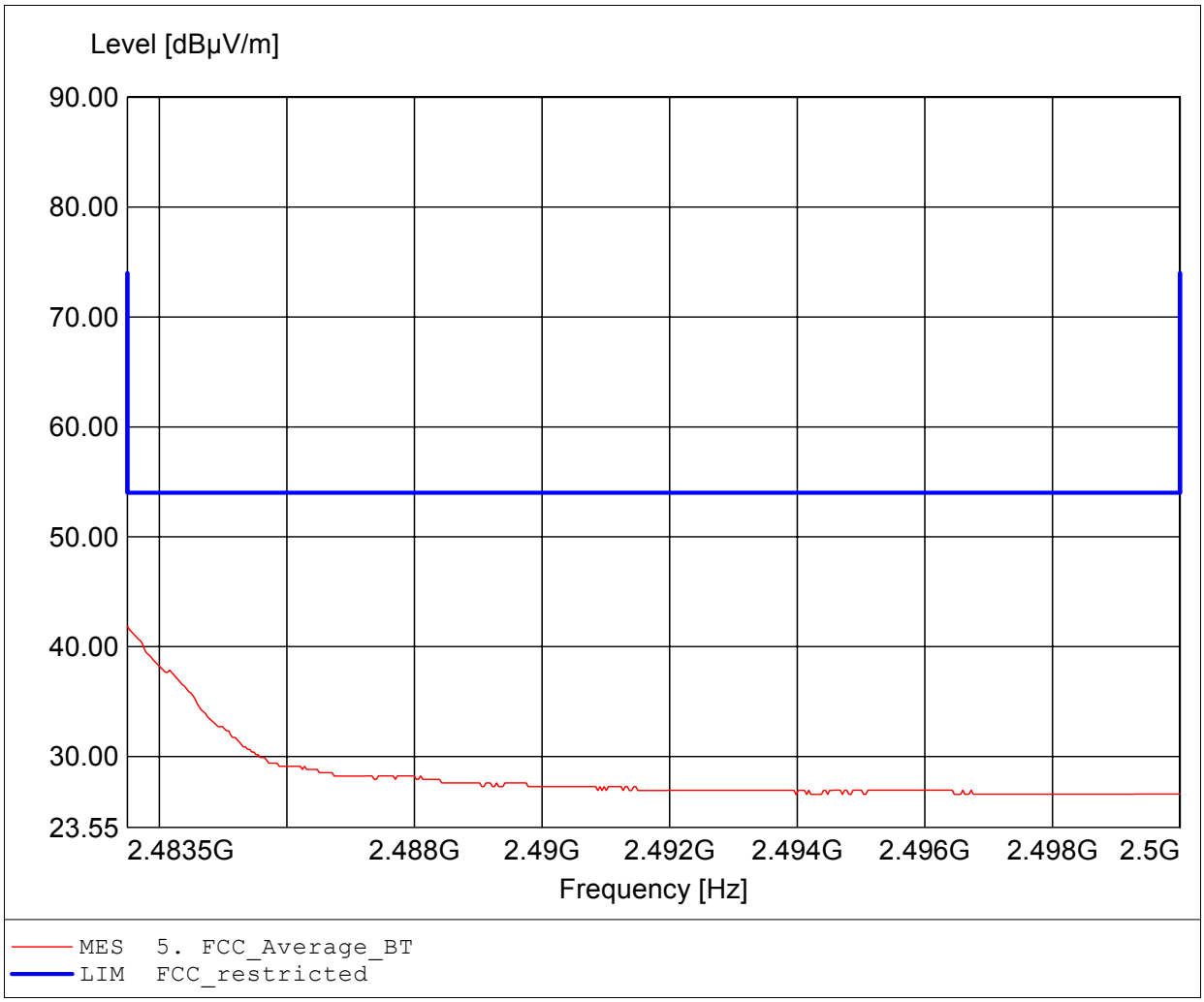
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 55.65dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

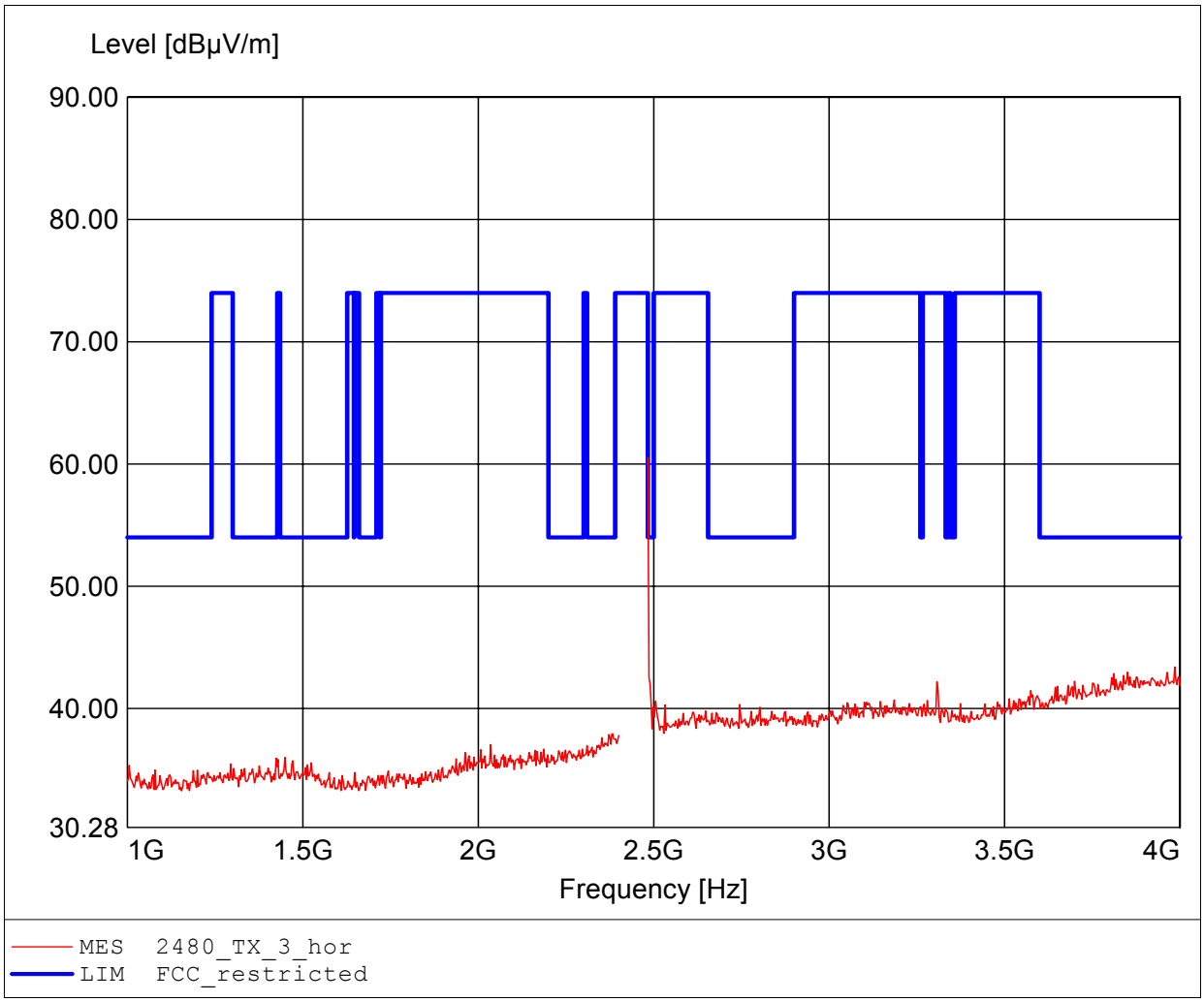
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 2.484GHz, Emax: 41.88dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

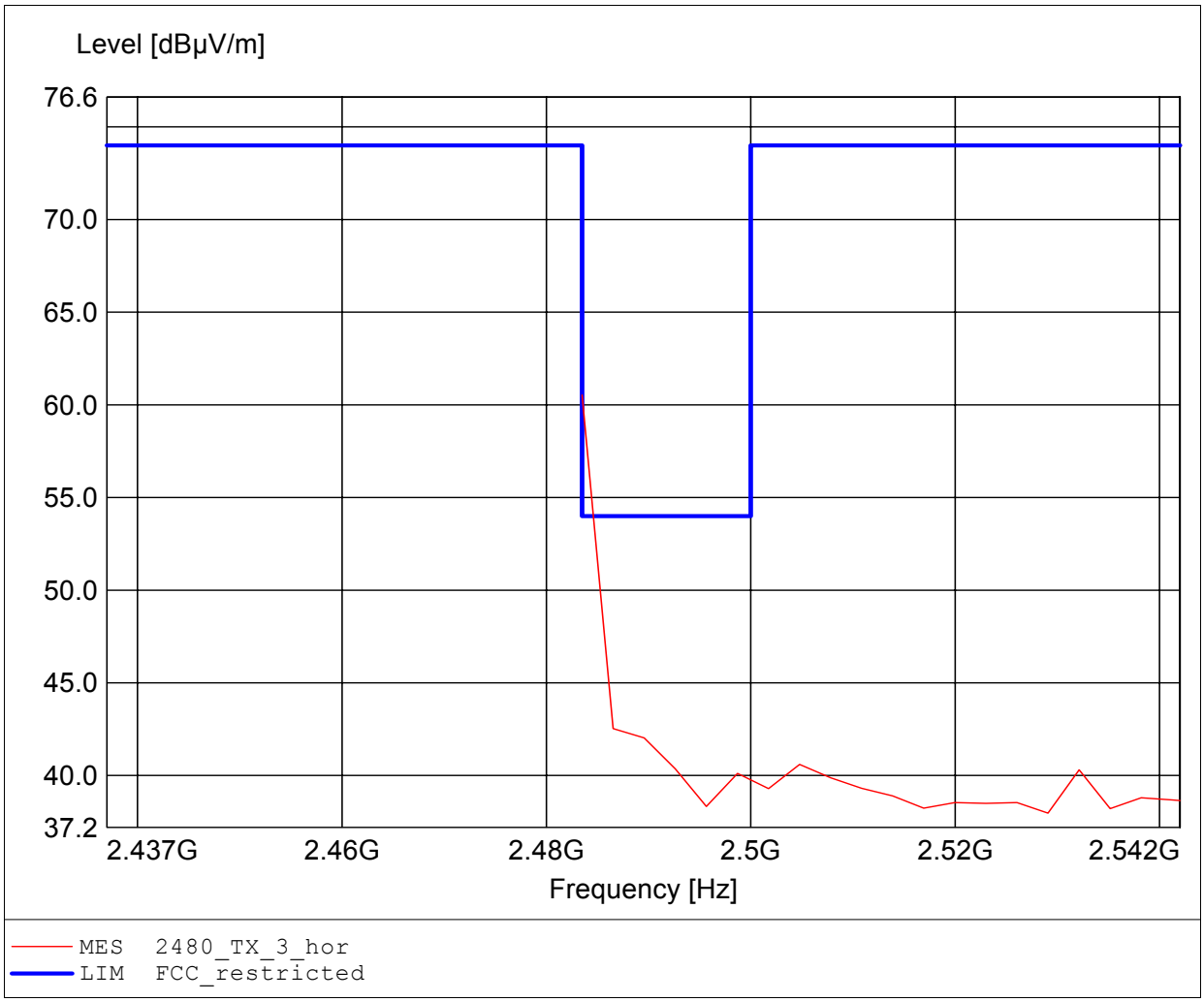
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 60.54dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

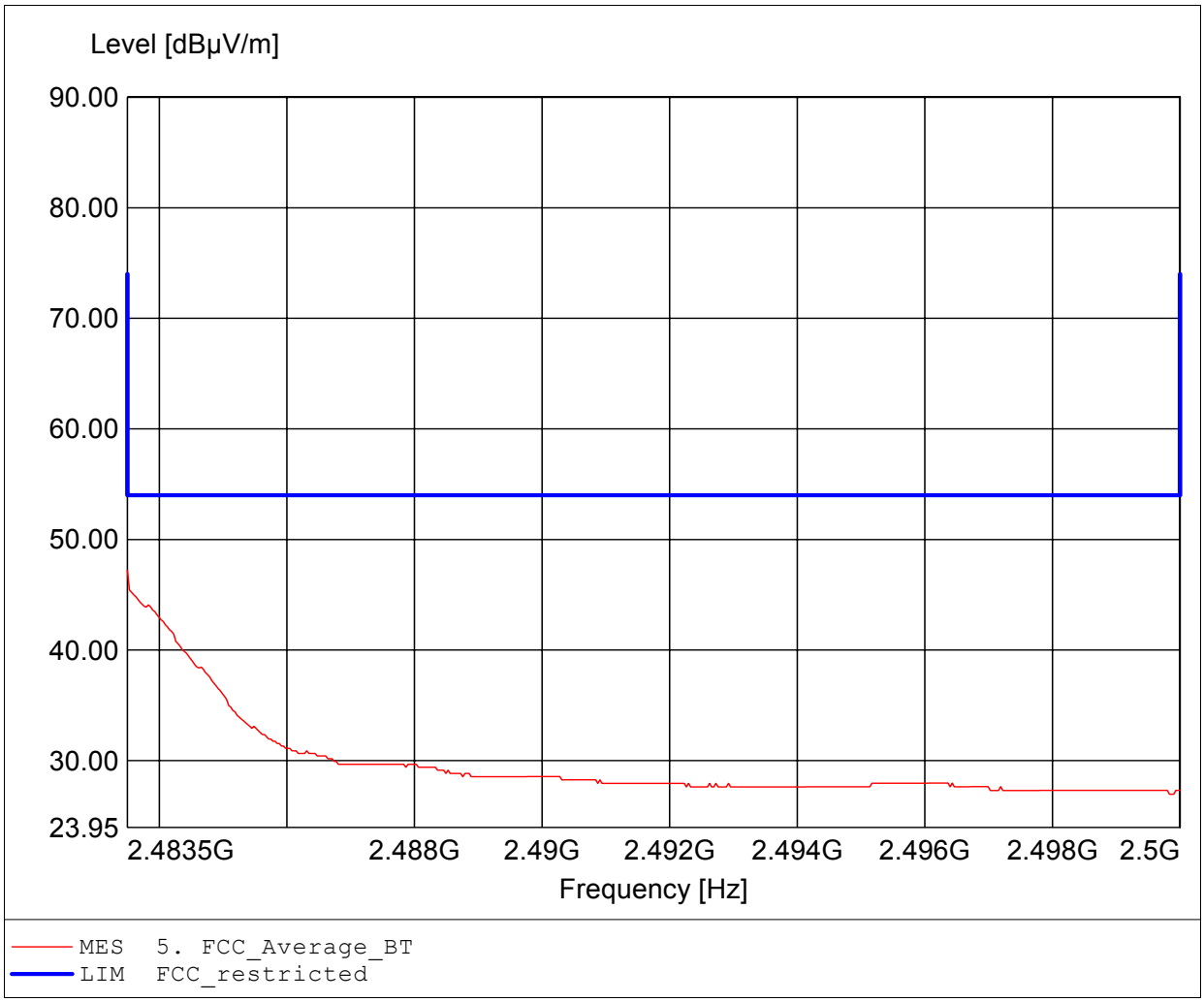
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, amplif.
Comment 2:	Freq: 2.484GHz, Emax: 60.54dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

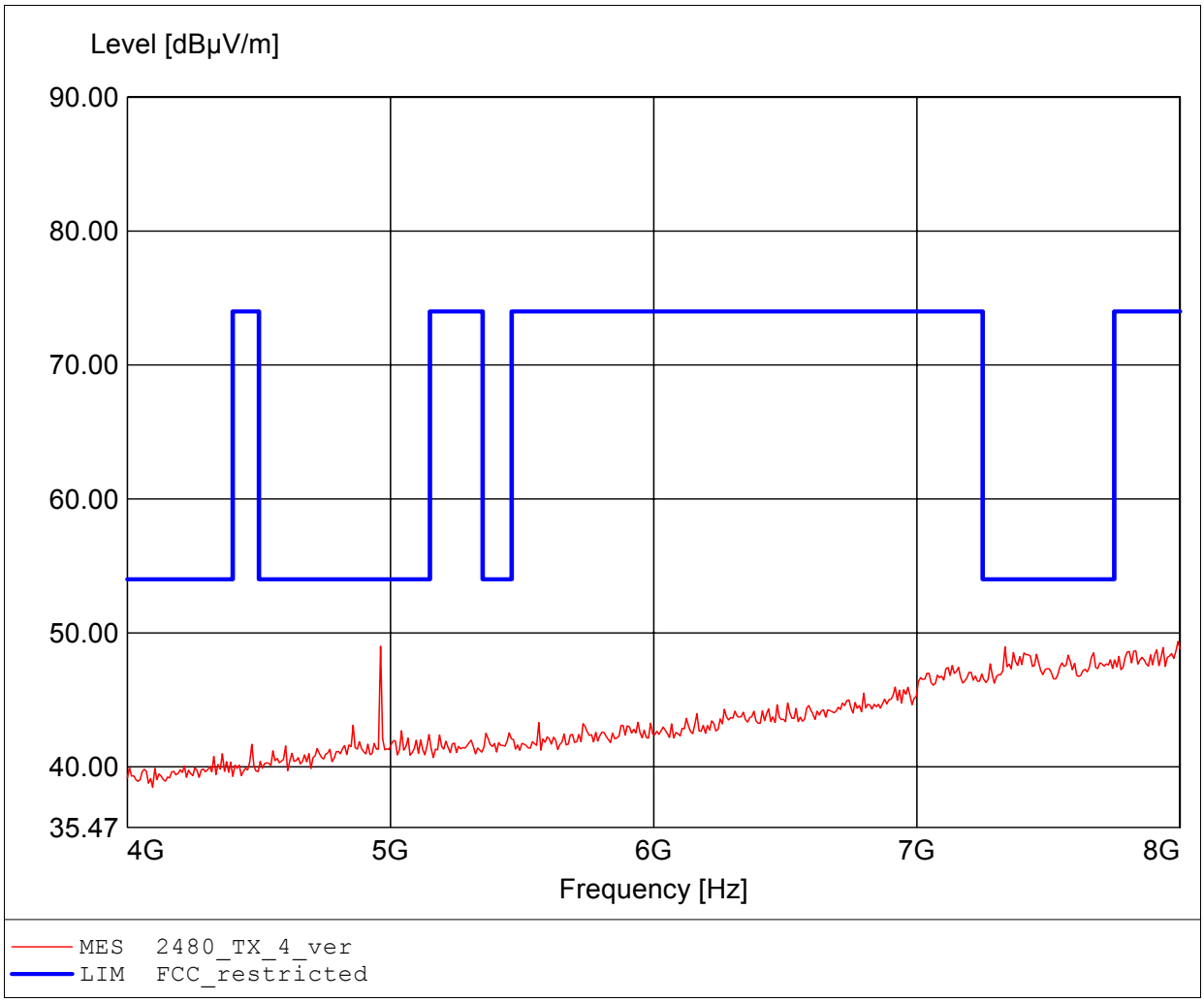
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	according to §15.247, average detector
Comment 1:	Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2:	Freq: 2.484GHz, Emax: 47.20dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

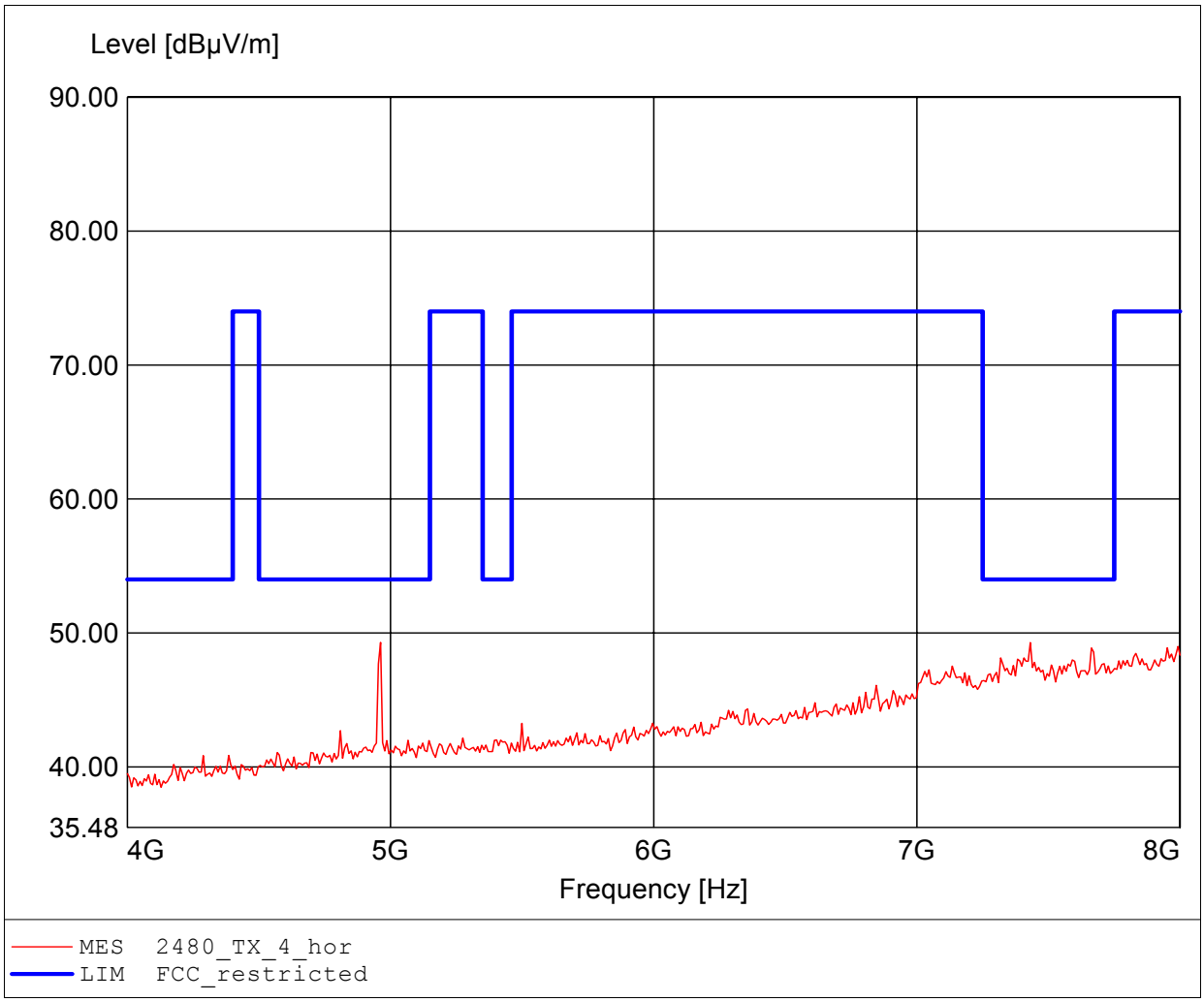
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 7.992GHz, Emax: 49.35dBµV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART C

Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	EDR / CH: 2480 / 3-DH5 / Pmax / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2480
Comment 1:	Dist.: 3m, Ant.: HL 025, ampl.+HP.
Comment 2:	Freq: 4.962GHz, Emax: 49.30dBµV/m, RBW: 1MHz



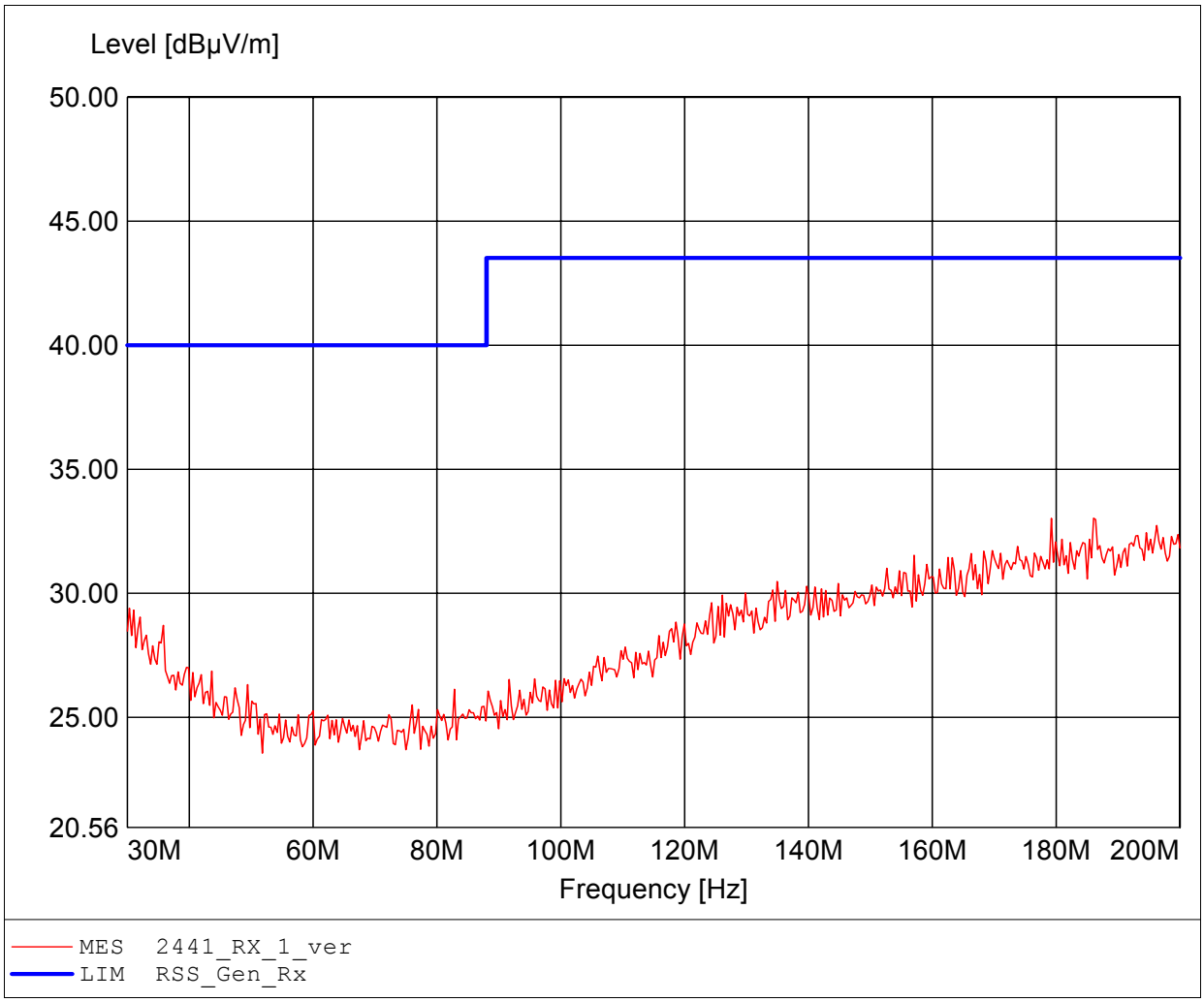
Annex J Receiver radiated spurious emissions

Only plots containing spurious emission are shown in this annex.
All missing plots only contain noise.

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

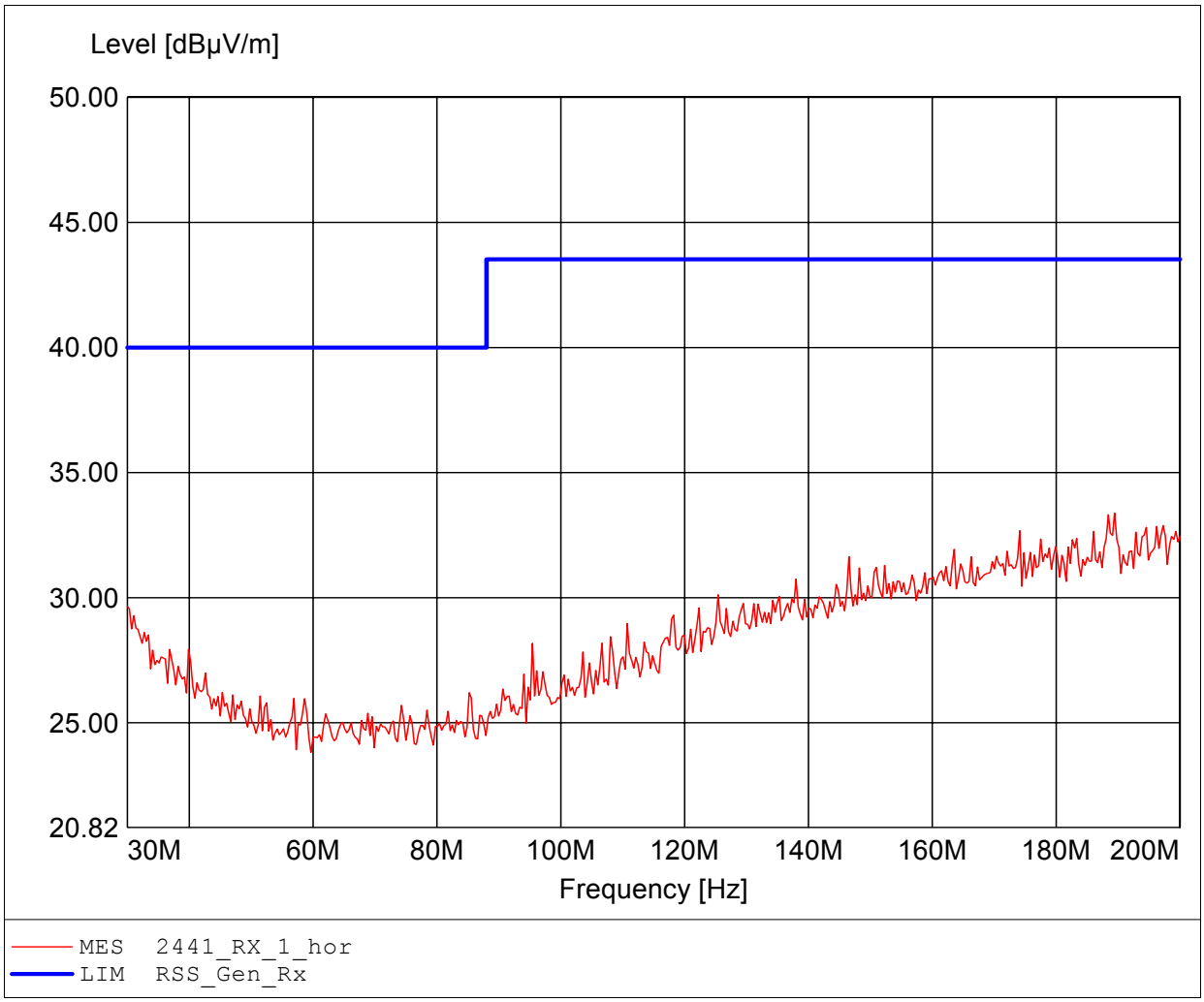
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq:186.032MHz Emax:33.03dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

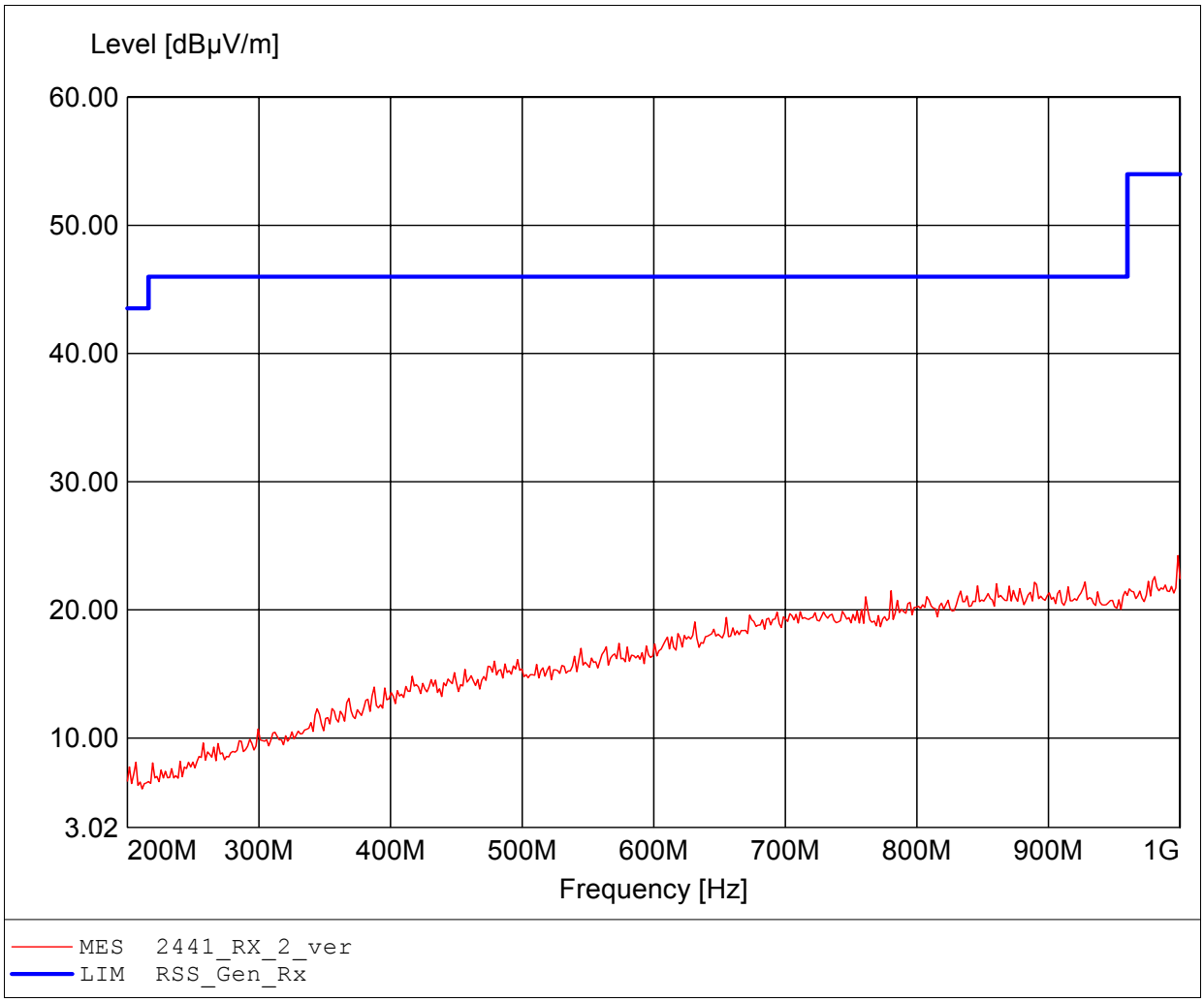
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HK 116
Comment 2:	Freq:189.439MHz Emax:33.38dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

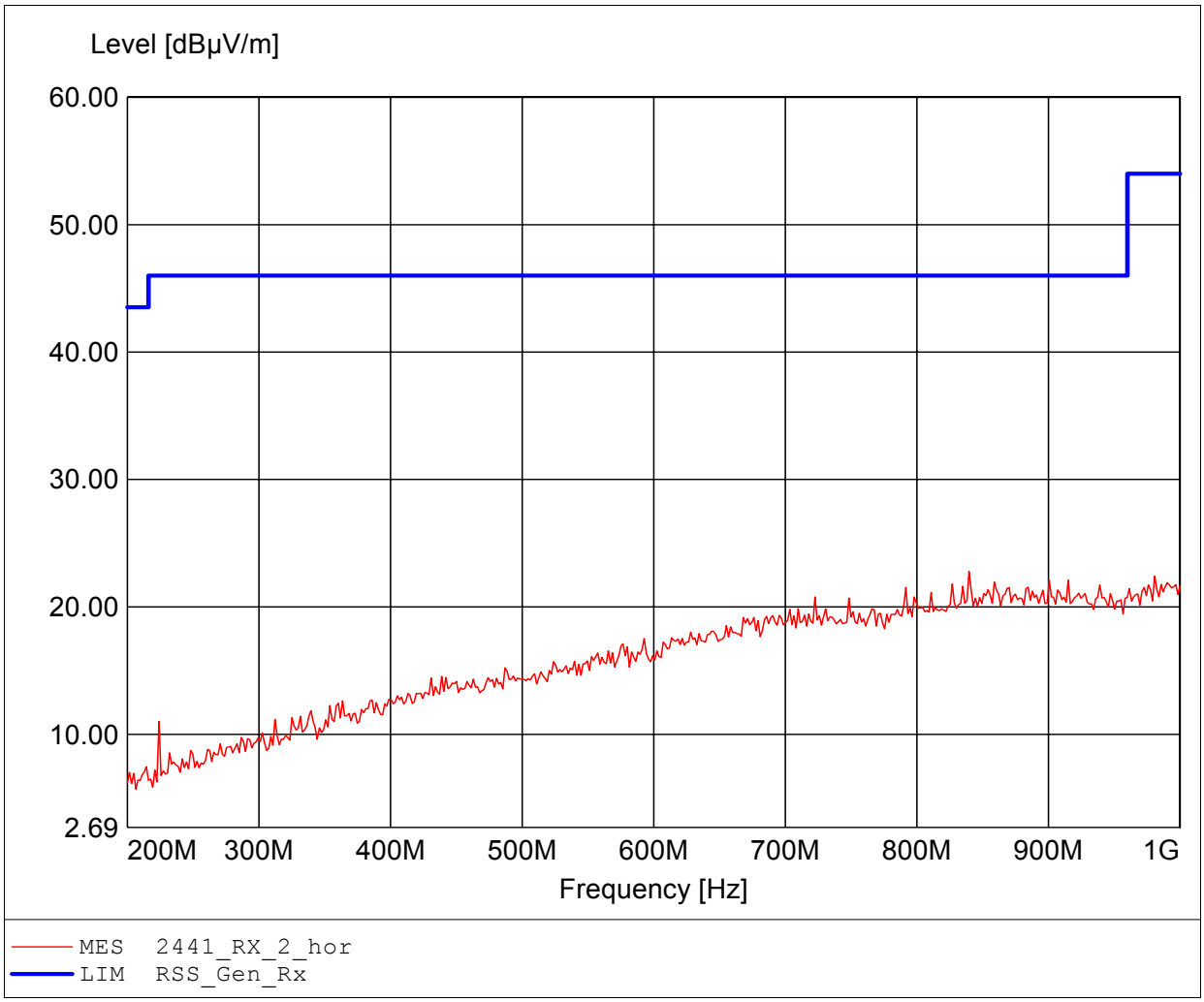
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 223, ampl.
Comment 2:	Freq:998.397MHz Emax:24.24dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

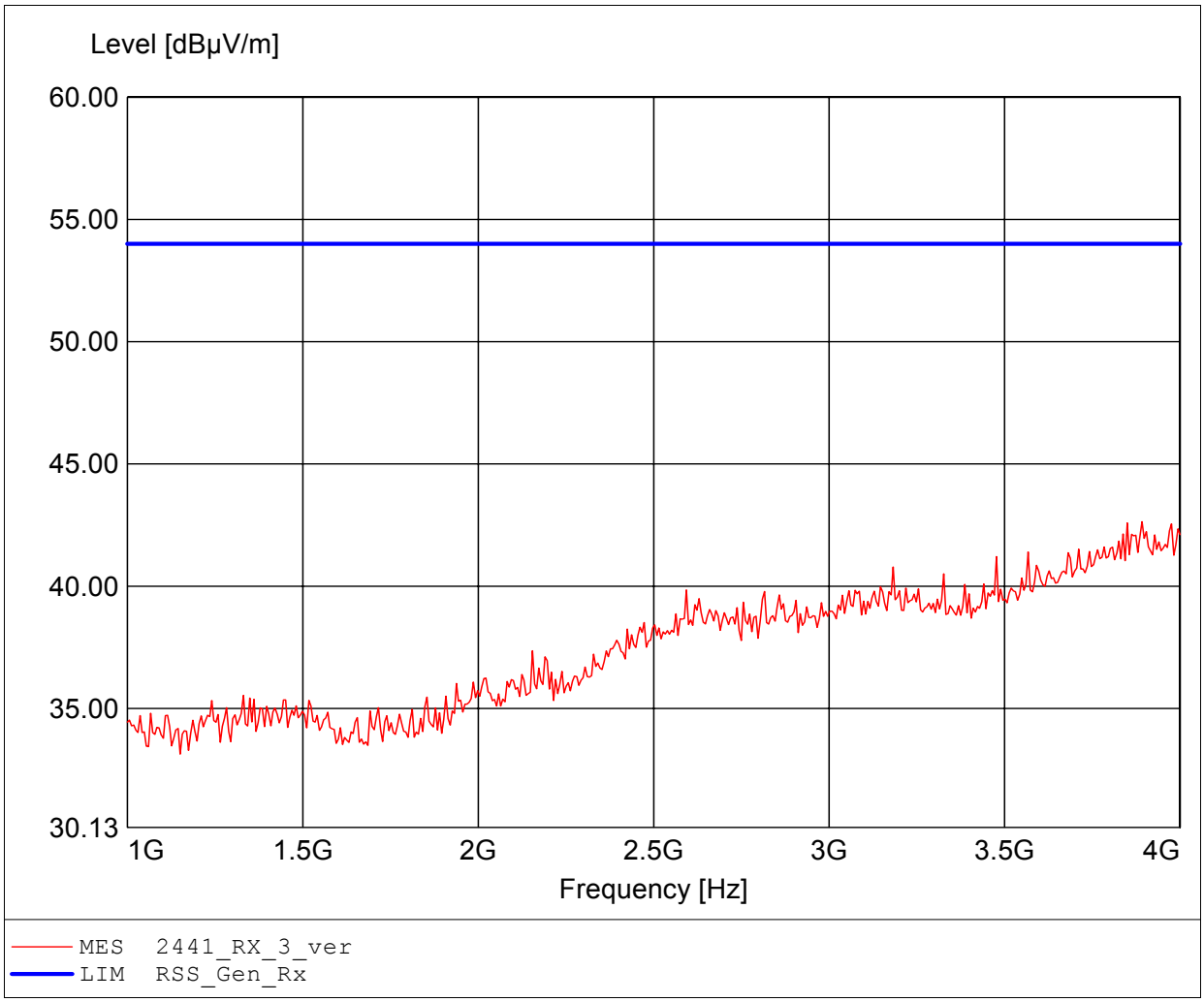
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL 223, ampl.
Comment 2:	Freq:839.679MHz Emax:22.77dBµV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

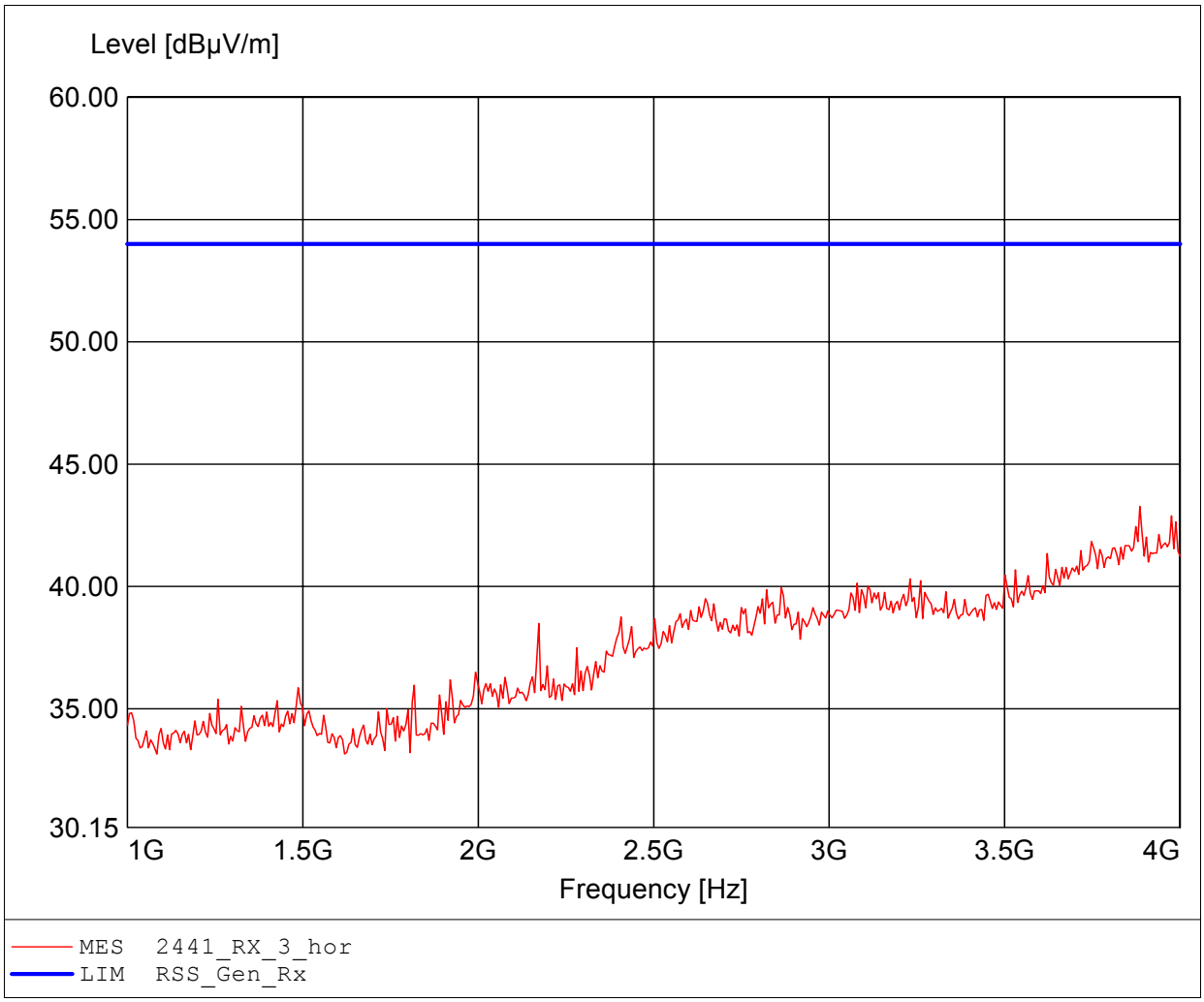
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:3.892GHz Emax:42.63dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

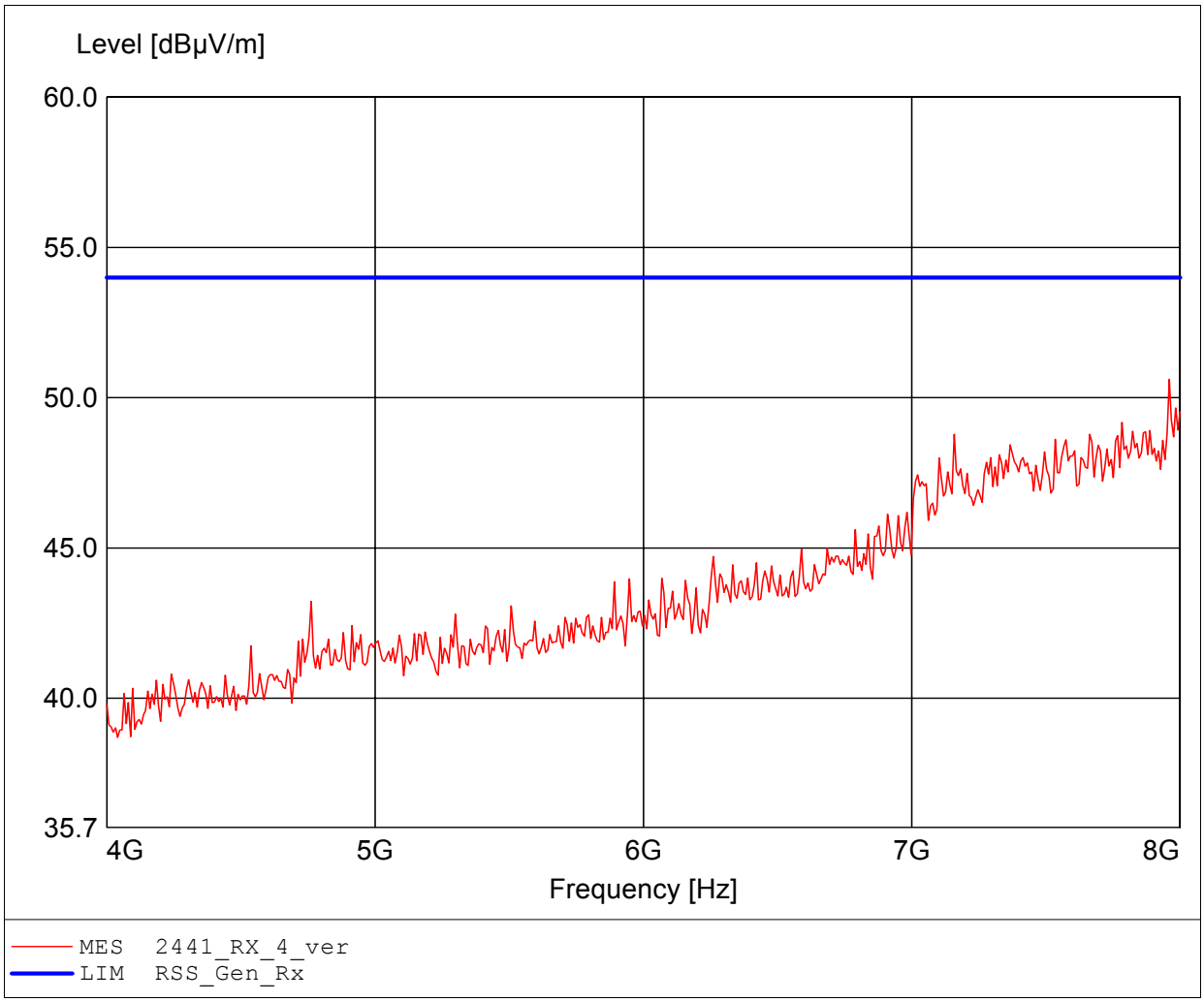
```
Approval Holder:       GN_Netcom_A_S              /     G0M21102-4196
EUT  /  Model:         Bluetooth mono headset    /   Jabra OTE9
                       BT_RX_Idle  /  CH: 2441  /  horizontal
Test Site / Operator:  Eurofins Product Service GmbH  /  Mr. Pudell
Test Condition:        Tnom.: 24°C   /   Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:    Freq. / CH: 2441
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
Comment 2:             Freq:3.886GHz Emax:43.27dBµV/m RBW: 1 MHz
```



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

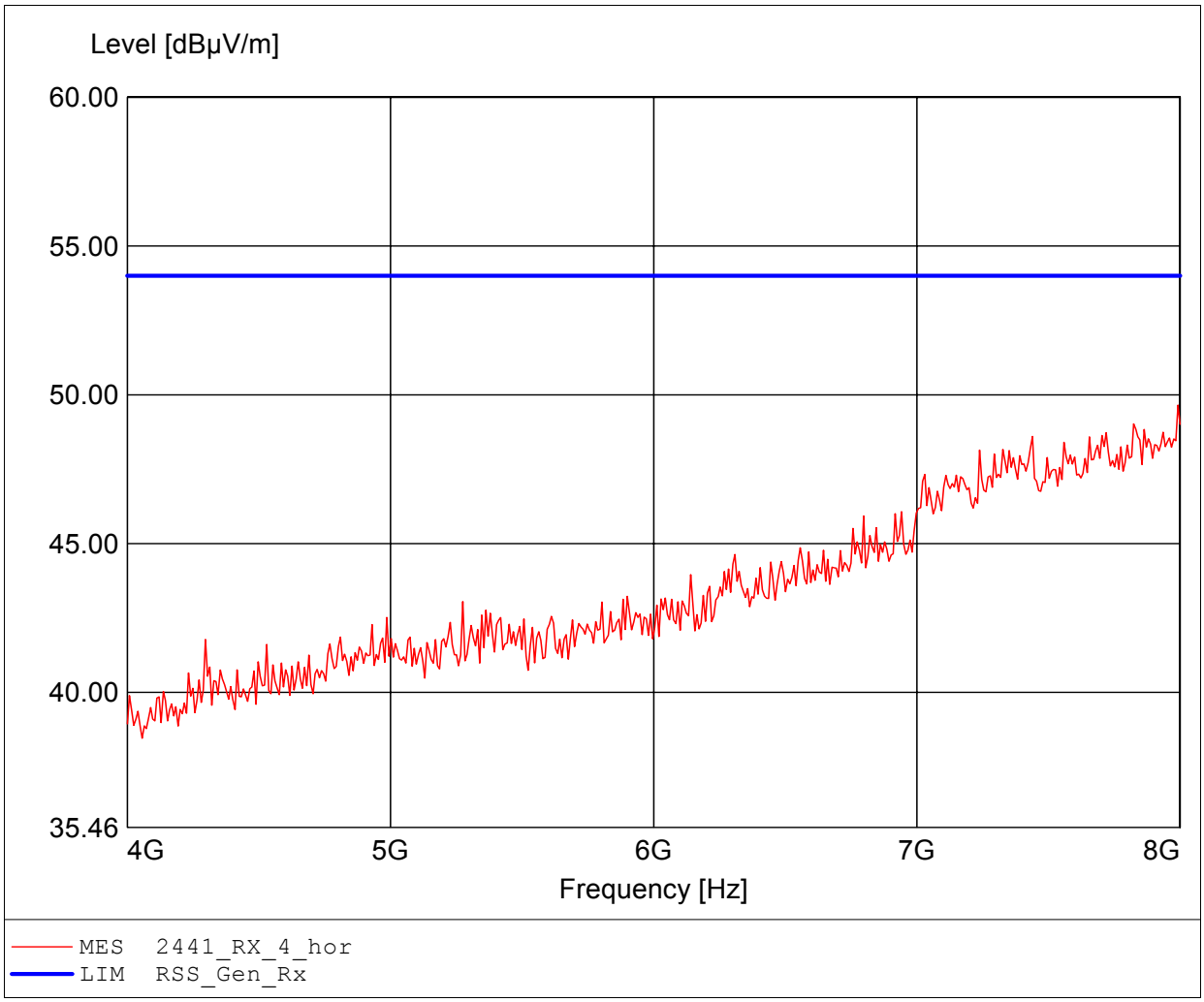
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:7.960GHz Emax:50.61dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

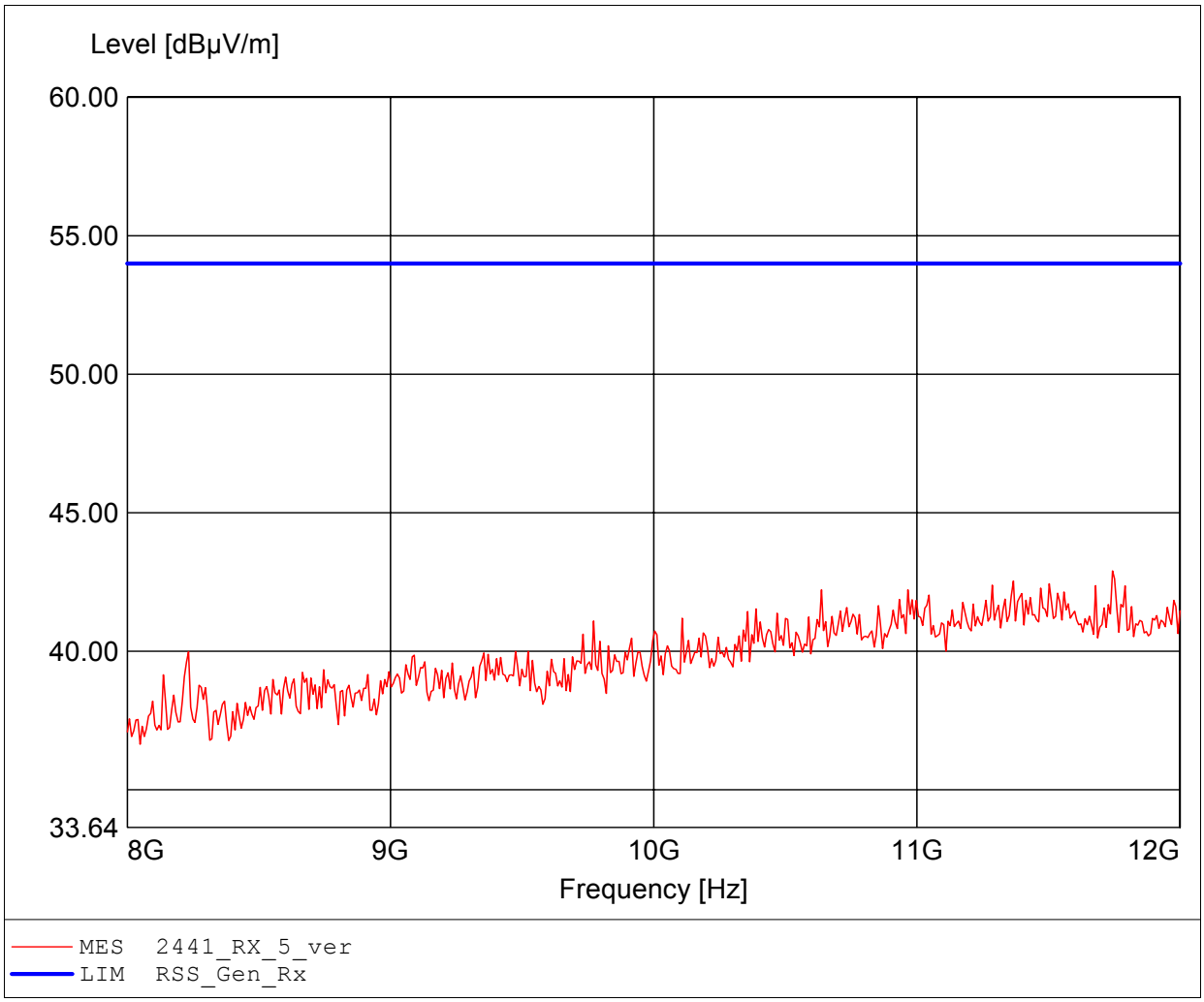
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:7.992GHz Emax:49.65dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

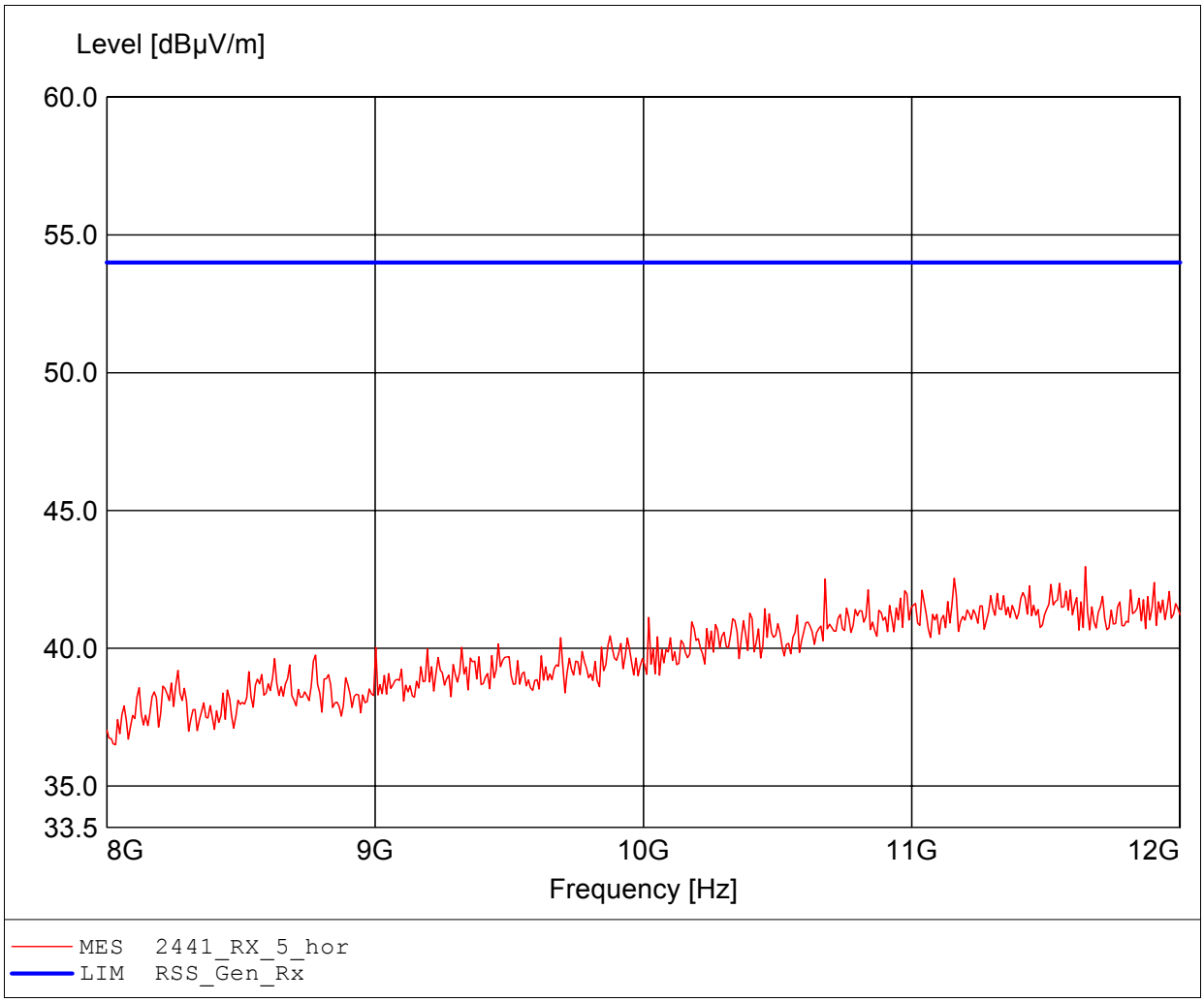
Approval Holder:	GN_Netcom_A_S / G0M21102-4196
EUT / Model:	Bluetooth mono headset / Jabra OTE9
	BT_RX_Idle / CH: 2441 / horizontal
Test Site / Operator:	Eurofins Product Service GmbH / Mr. Pudell
Test Condition:	Tnom.: 24°C / Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:	Freq. / CH: 2441
Comment 1:	Dist.: 3m, Ant.: HL025, ampl.
Comment 2:	Freq:11.743GHz Emax:42.90dBµV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

```
Approval Holder:       GN_Netcom_A_S              /     G0M21102-4196
EUT  /  Model:         Bluetooth mono headset    /   Jabra OTE9
                       BT_RX_Idle  /  CH: 2441  /  horizontal
Test Site / Operator:  Eurofins Product Service GmbH  /  Mr. Pudell
Test Condition:        Tnom.: 24°C   /   Unom: 3.7 V DC (Li-Ion Battery)
Test Specification:    Freq. / CH: 2441
Comment 1:             Dist.: 3m, Ant.: HL025, ampl.
Comment 2:             Freq:11.647GHz Emax:42.96dBµV/m RBW: 1 MHz
```



Annex K AC Powerline Conducted Emissions

EMI voltage test in the ac-mains according to FCC Part 15b

Order number: G0M21102-4196

Manufacturer:	GN Netcom A/S
EUT Name:	Bluetooth mono headset
Model:	Jabra OTE9
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Klein
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 N
Mode:	charging
Test Date:	15.03.2011

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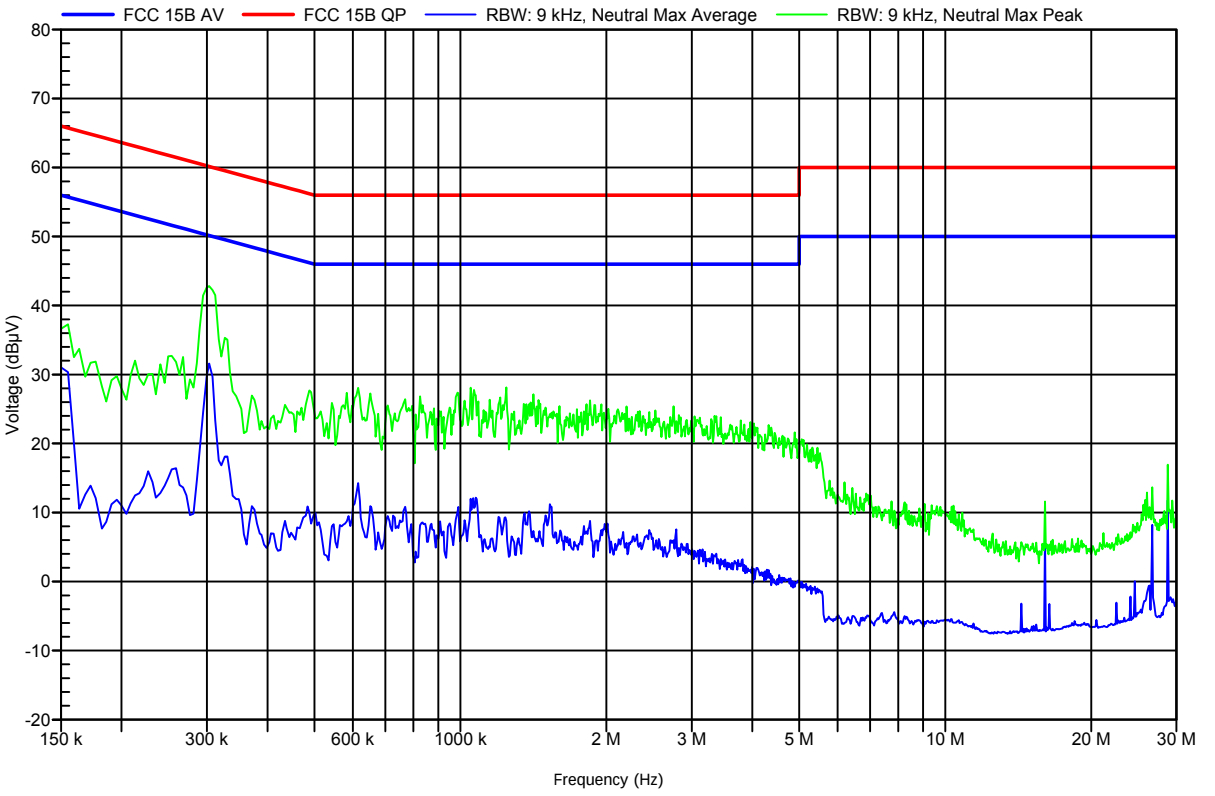

EMI voltage test in the ac-mains according to FCC Part 15b

Order number: G0M21102-4196

Manufacturer:	GN Netcom A/S
EUT Name:	Bluetooth mono headset
Model:	Jabra OTE9
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Klein
Test Conditions:	Tnom: 23°C, Unom: 120VAC
LISN:	ESH2-Z5 L
Mode:	charging
Test Date:	15.03.2011

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