

FCC Test Report

Product Name	Wireless Headset
Model No.	AW988
FCC ID.	BCE-AW988

Applicant	GN Audio A/S
Address	Lautrupbjerg 7,DK-2750 Ballerup,Denmark.

Date of Receipt	Nov. 28, 2017
Issued Date	Jan. 03, 2018
Report No.	17B0487R-RFUSP02V00
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Test Report

Issued Date: Jan. 03, 2018

Report No.: 17B0487R-RFUSP02V00



Product Name	Wireless Headset
Applicant	GN Audio A/S
Address	Lautrupbjerg 7,DK-2750 Ballerup,Denmark.
Manufacturer	GN Audio A/S
Model No.	AW988
FCC ID.	BCE-AW988
EUT Rated Voltage	DC 3.7V (Power by Battery)
EUT Test Voltage	DC 3.7V (Power by Battery)
Trade Name	ALIENWARE
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2016 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v04
Test Result	Complied

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Tested By : Kevin Cheng

(Engineer / Kevin Cheng)

Approved By : 

(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Wireless Headset
Trade Name	ALIENWARE
Model No.	AW988
FCC ID.	BCE-AW988
Frequency Range	2403.35-2477.35MHz
Channel Number	38CH
Type of Modulation	$\pi/4$ DQPSK
Antenna Type	IFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	GN	N/A	IFA Antenna	-0.54dBi
2	GN	N/A	IFA Antenna	-0.30dBi

Note: The antenna of EUT is conforming to FCC 15.203.

Center Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2403.35 MHz	Channel 02:	2405.35 MHz	Channel 03:	2407.35MHz	Channel 04:	2409.35MHz
Channel 05:	2411.35MHz	Channel 06:	2413.35MHz	Channel 07:	2415.35MHz	Channel 08:	2417.35MHz
Channel 09:	2419.35MHz	Channel 10:	2421.35MHz	Channel 11:	2423.35MHz	Channel 12:	2425.35MHz
Channel 13:	2427.35MHz	Channel 14:	2429.35MHz	Channel 15:	2431.35MHz	Channel 16:	2433.35MHz
Channel 17:	2435.35MHz	Channel 18:	2437.35MHz	Channel 19:	2439.35MHz	Channel 20:	2441.35MHz
Channel 21:	2443.35MHz	Channel 22:	2445.35MHz	Channel 23:	2447.35MHz	Channel 24:	2449.35MHz
Channel 25:	2451.35MHz	Channel 26:	2453.35MHz	Channel 27:	2455.35MHz	Channel 28:	2457.35MHz
Channel 29:	2459.35MHz	Channel 30:	2461.35MHz	Channel 31:	2463.35MHz	Channel 32:	2465.35MHz
Channel 33:	2467.35MHz	Channel 34:	2469.35MHz	Channel 35:	2471.35MHz	Channel 36:	2473.35MHz
Channel 37:	2475.35MHz	Channel 38:	2477.35MHz				

Note:

1. The EUT is a Wireless Headset with a built-in 2.4GHz wireless transceiver.
2. These tests were conducted on a sample for the purpose of demonstrating compliance of 2.4GHz transmitter with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
3. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
4. The EUT is using dual-antenna(Antenna 0 & Antenna 1) is shown in the report.

Test Mode	Mode 1: Transmit (Antenna: 0)
	Mode 2: Transmit (Antenna: 1)

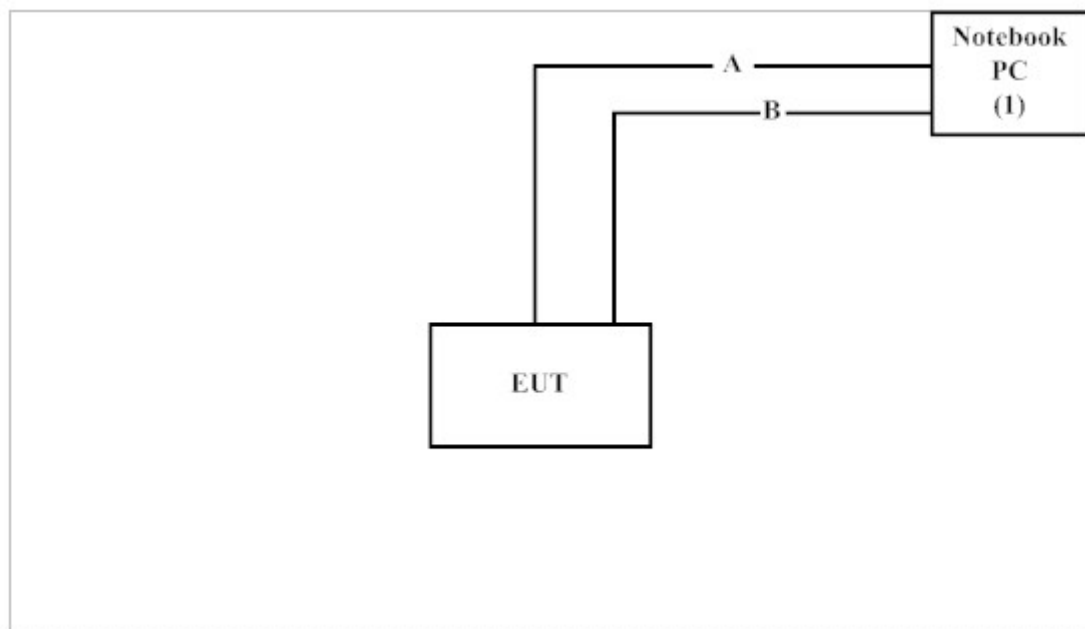
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Inspiron 15 3000	GT5JPJ2	Non-shielded, 1.8m

Signal Cable Type	Signal cable Description
A	Micro USB Cable
B	Audio Cable

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4.
- (2) Execute software “VMidebug V1.1.6.56” on the Notebook.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous Transmit.
- (5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en

Site Description: Accredited by TAF
Accredited Number: 3023

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FCC Accreditation Number: TW3023

1.7. List of Test Equipment

For Conduction measurements /ASR1

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	EMI Test Receiver	R&S	ESR7	161601	2017.01.06	2018.01.05
X	LISN	R&S	ESH3-Z5	836679/017	2017.02.16	2018.02.15
X	LISN	R&S	ENV216	100097	2017.03.17	2018.03.16
X	Coaxial Cable	Quietek	RG400_BNC	RF001	2017.05.24	2018.05.23

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113

For Conducted measurements /ASR4

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Spectrum Analyzer	R&S	FSV30	103464	2017.01.09	2018.01.08
X	Power Meter	Anritsu	ML2496A	1548003	2017.12.11	2018.12.10
X	Power Sensor	Anritsu	MA2411B	1531024	2017.12.11	2018.12.10
X	Power Sensor	Anritsu	MA2411B	1531025	2017.12.11	2018.12.10
	Bluetooth Tester	R&S	CBT	101238	2017.01.03	2018.01.02

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek Conduction Test System V8.0.110

For Radiated measurements /ACB1

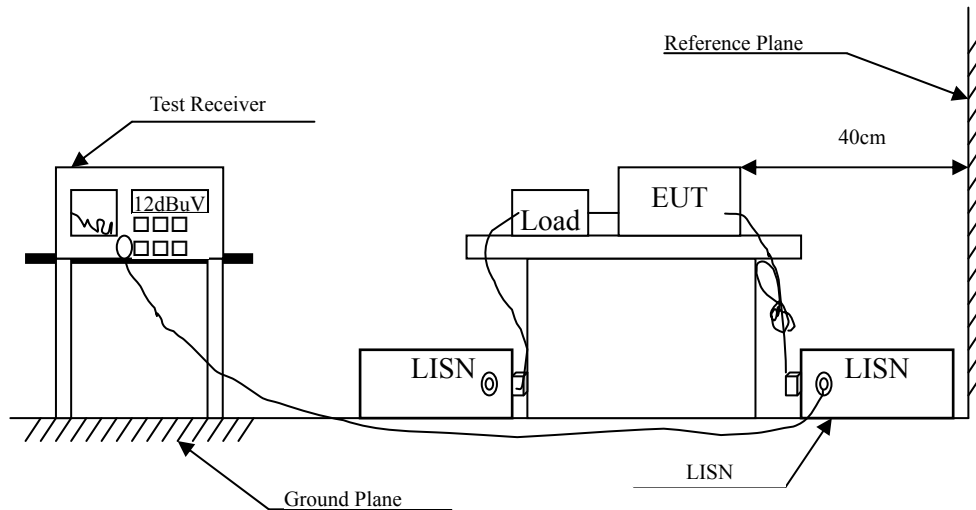
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Data	Due. Data
X	Loop Antenna	A.H.	SAS-562B	272	2016.03.18	2018.03.17
X	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-675	2017.02.13	2018.02.12
X	Horn Antenna	ETS-Lindgren	3117	00203800	2017.11.10	2018.11.09
X	Horn Antenna	Com-Power	AH-840	101087	2017.05.24	2018.05.23
X	Pre-Amplifier	EMCI	EMC001330	980316	2017.05.16	2018.05.15
X	Pre-Amplifier	EMCI	EMC051835SE	980311	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC05820SE	980310	2017.05.17	2018.05.16
X	Pre-Amplifier	EMCI	EMC184045SE	980314	2017.05.17	2018.05.16
X	Filter	MICRO TRONICS	BRM50702	G251	2017.08.30	2018.08.29
	Filter	MICRO TRONICS	BRM50716	G188	2017.08.30	2018.08.29
X	EMI Test Receiver	R&S	ESR7	101602	2017.12.11	2018.12.10
X	Spectrum Analyzer	R&S	FSV40	101149	2017.01.24	2018.01.23
X	Coaxial Cable	SUHNER	SUCOFLEX 106	RF002	2017.05.25	2018.05.24
X	Mircoflex Cable	HUBER SUHNER	SUCOFLEX 102	MY3381/2	2017.08.11	2018.08.10

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

2.3. Test Procedure

The EUT and Peripherals are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

The EUT was setup to ANSI C63.4, 2014; tested to DTS test procedure of FCC KDB-558074 for compliance to FCC 47CFR Subpart C requirements.

2.4. Uncertainty

$\pm 2.35\text{dB}$

2.5. Test Result of Conducted Emission

Product : Wireless Headset
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Date : 2017/12/30
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V	dB	dB μ V
LINE 1					
Quasi-Peak					
0.150	9.611	43.806	53.417	-12.583	66.000
0.456	9.697	29.425	39.122	-18.135	57.257
1.712	9.734	15.615	25.348	-30.652	56.000
3.568	9.796	26.013	35.809	-20.191	56.000
9.719	9.928	25.972	35.900	-24.100	60.000
11.998	9.970	17.312	27.282	-32.718	60.000
Average					
0.150	9.611	27.762	37.373	-18.627	56.000
0.456	9.697	13.011	22.708	-24.549	47.257
1.712	9.734	4.242	13.976	-32.024	46.000
3.568	9.796	14.905	24.701	-21.299	46.000
9.719	9.928	20.250	30.178	-19.822	50.000
11.998	9.970	11.832	21.802	-28.198	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Wireless Headset
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Date : 2017/12/30
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dB μ V
	dB	dB μ V	dB μ V		
LINE 2					
Quasi-Peak					
0.150	10.977	36.201	47.178	-18.822	66.000
0.449	9.981	25.819	35.800	-21.657	57.457
0.708	9.946	11.629	21.575	-34.425	56.000
3.532	9.883	26.503	36.386	-19.614	56.000
9.850	9.959	25.018	34.977	-25.023	60.000
12.795	10.018	14.512	24.530	-35.470	60.000
Average					
0.150	10.977	10.704	21.681	-34.319	56.000
0.449	9.981	9.526	19.507	-27.950	47.457
0.708	9.946	5.555	15.500	-30.500	46.000
3.532	9.883	15.063	24.946	-21.054	46.000
9.850	9.959	19.171	29.130	-20.870	50.000
12.795	10.018	8.605	18.623	-31.377	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Wireless Headset
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Date : 2017/12/03
 Test Mode : Mode 2: Transmit (Antenna: 1) (2441.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dB μ V	dB μ V	dB	dB μ V
LINE 1					
Quasi-Peak					
0.164	9.642	39.752	49.393	-16.207	65.600
0.361	9.691	31.123	40.814	-19.157	59.971
0.463	9.697	32.063	41.760	-15.297	57.057
0.562	9.700	28.598	38.298	-17.702	56.000
12.858	9.978	17.470	27.448	-32.552	60.000
17.329	10.059	17.539	27.598	-32.402	60.000
Average					
0.164	9.642	21.920	31.561	-24.039	55.600
0.361	9.691	20.247	29.938	-20.033	49.971
0.463	9.697	21.162	30.859	-16.198	47.057
0.562	9.700	17.521	27.221	-18.779	46.000
12.858	9.978	12.705	22.683	-27.317	50.000
17.329	10.059	11.866	21.925	-28.075	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Wireless Headset
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Date : 2017/12/03
 Test Mode : Mode 2: Transmit (Antenna: 1) (2441.35MHz)

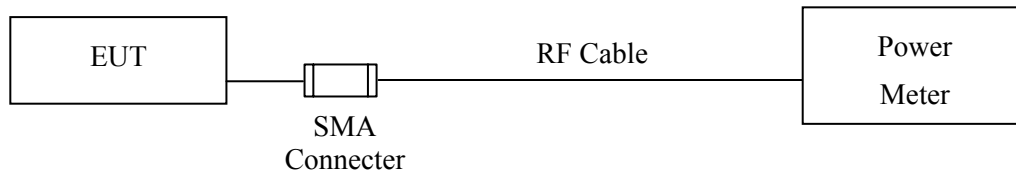
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dB μ V	dB μ V	dB	dB μ V
LINE 2					
Quasi-Peak					
0.166	9.955	39.875	49.830	-15.713	65.543
0.440	9.980	29.841	39.821	-17.893	57.714
0.683	9.951	22.235	32.186	-23.814	56.000
1.455	9.880	21.630	31.510	-24.490	56.000
13.202	10.032	23.789	33.821	-26.179	60.000
16.890	10.095	21.824	31.919	-28.081	60.000
Average					
0.166	9.955	26.174	36.128	-19.415	55.543
0.440	9.980	15.770	25.749	-21.965	47.714
0.683	9.951	12.349	22.299	-23.701	46.000
1.455	9.880	9.377	19.257	-26.743	46.000
13.202	10.032	18.716	28.748	-21.252	50.000
16.890	10.095	15.984	26.079	-23.921	50.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3. Peak Power Output

3.1. Test Setup



3.2. Limit

The maximum peak power shall be less 1Watt.

3.3. Test Procedure

Tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 section 9.1.3 PKPM1 Peak power meter method.

3.4. Uncertainty

± 0.86 dB

3.5. Test Result of Peak Power Output

Product : Wireless Headset
Test Item : Peak Power Output
Test Mode : Mode 1: Transmit (Antenna: 0)
Test Date : 2017/12/14

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 01	2403.35	3.79	1 Watt= 30 dBm	Pass
Channel 20	2441.35	3.63	1 Watt= 30 dBm	Pass
Channel 38	2477.35	3.37	1 Watt= 30 dBm	Pass

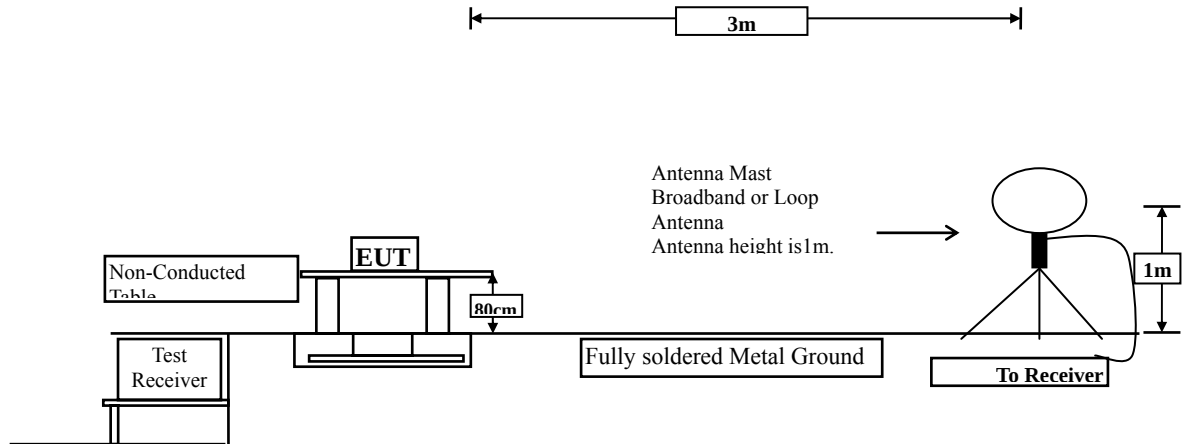
Product : Wireless Headset
Test Item : Peak Power Output
Test Mode : Mode 2: Transmit (Antenna: 1)
Test Date : 2017/12/14

Channel No.	Frequency (MHz)	Measurement (dBm)	Required Limit	Result
Channel 01	2403.35	3.92	1 Watt= 30 dBm	Pass
Channel 20	2441.35	3.83	1 Watt= 30 dBm	Pass
Channel 38	2477.35	3.73	1 Watt= 30 dBm	Pass

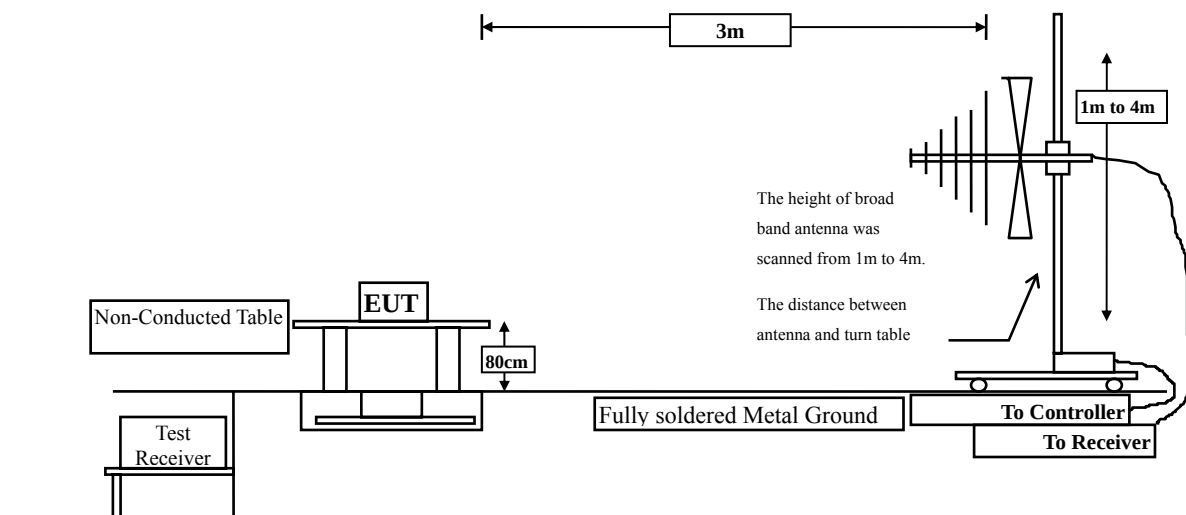
4. Radiated Emission

4.1. Test Setup

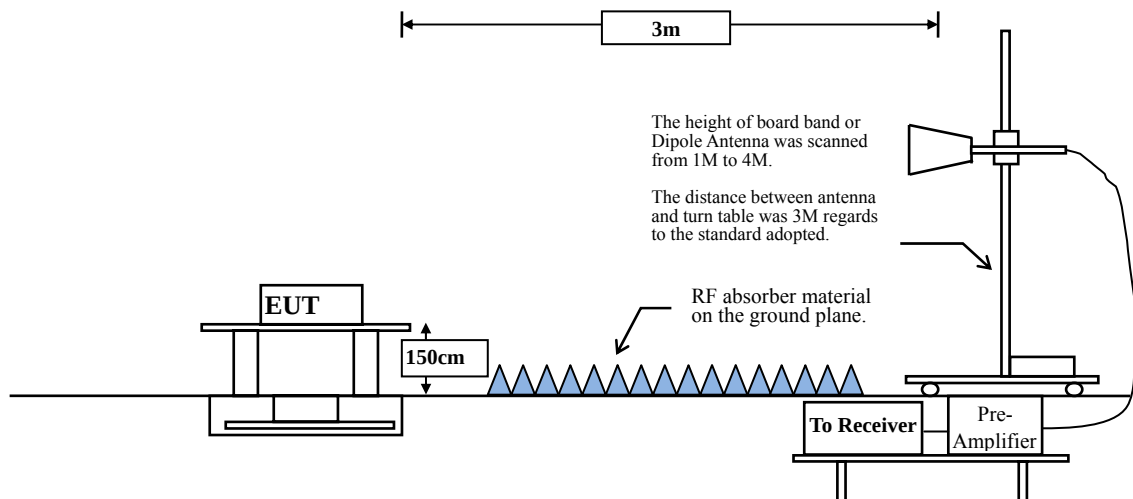
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



4.2. Limits

➤ General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

- Remarks:
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

4.4. Uncertainty

Horizontal polarization :

30-300MHz: $\pm 4.08\text{dB}$; 300M-1GHz: $\pm 3.86\text{dB}$; 1-18GHz: $\pm 3.77\text{dB}$; 18-40GHz: $\pm 3.98\text{dB}$

Vertical polarization :

30-300MHz: $\pm 4.81\text{dB}$; 300M-1GHz: $\pm 3.87\text{dB}$; 1-18GHz : $\pm 3.83\text{dB}$; 18-40GHz: $\pm 3.98\text{dB}$

4.5. Test Result of Radiated Emission

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/28
 Test Mode : Mode 1: Transmit (Antenna: 0) (2403.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V /m	dB	dB μ V /m
Horizontal					
Peak Detector:					
4806.700	-2.873	48.360	45.488	-28.512	74.000
7210.050	0.384	45.640	46.023	-27.977	74.000
9613.400	2.348	43.720	46.068	-27.932	74.000
Average Detector:					
--					54.000
Vertical					
Peak Detector:					
4806.700	-2.873	46.920	44.048	-29.952	74.000
7210.050	0.384	45.930	46.313	-27.687	74.000
9613.400	2.348	43.480	45.828	-28.172	74.000
Average Detector:					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/28
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBμV	dBμV /m	dB	dBμV /m
Horizontal					
Peak Detector:					
4882.700	-2.813	47.590	44.777	-29.223	74.000
7324.050	0.464	48.850	49.314	-24.686	74.000
9765.400	2.617	43.100	45.717	-28.283	74.000
Average Detector:					
--					54.000
Vertical					
Peak Detector:					
4882.700	-2.813	48.640	45.827	-28.173	74.000
7324.050	0.464	47.420	47.884	-26.116	74.000
9765.400	2.617	42.620	45.237	-28.763	74.000
Average Detector:					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/28
 Test Mode : Mode 1: Transmit (Antenna: 0) (2477.35MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V /m	Margin dB	Peak Limit dB μ V /m
Horizontal					
Peak Detector:					
4954.700	-2.787	47.840	45.054	-28.946	74.000
7432.050	0.495	50.890	51.386	-22.614	74.000
9909.400	2.877	44.010	46.887	-27.113	74.000
Average Detector					
--					54.000
Vertical					
Peak Detector:					
4954.700	-2.787	49.040	46.254	-27.746	74.000
7432.050	0.495	51.120	51.616	-22.384	74.000
9909.400	2.877	44.500	47.377	-26.623	74.000
Average Detector					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2403.35MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV /m	Margin dB	Peak Limit dBμV /m
Horizontal					
Peak Detector:					
4806.700	-2.873	47.610	44.738	-29.262	74.000
7210.050	0.384	44.420	44.803	-29.197	74.000
9613.400	2.348	43.640	45.988	-28.012	74.000
Average Detector					
--					54.000
Vertical					
Peak Detector:					
4806.700	-2.873	47.390	44.518	-29.482	74.000
7210.050	0.384	44.960	45.343	-28.657	74.000
9613.400	2.348	43.190	45.538	-28.462	74.000
Average Detector					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2441.35MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V /m	Margin dB	Peak Limit dB μ V /m
Horizontal					
Peak Detector:					
4882.700	-2.813	48.860	46.047	-27.953	74.000
7324.050	0.464	45.260	45.724	-28.276	74.000
9765.400	2.617	43.080	45.697	-28.303	74.000
Average Detector					
--					54.000
Vertical					
Peak Detector:					
4882.700	-2.813	46.920	44.107	-29.893	74.000
7324.050	0.464	45.080	45.544	-28.456	74.000
9765.400	2.617	43.910	46.527	-27.473	74.000
Average Detector					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : Harmonic Radiated Emission Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2477.35MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV /m	Margin dB	Peak Limit dBμV /m
Horizontal					
Peak Detector:					
4954.700	-2.787	47.690	44.904	-29.096	74.000
7432.050	0.495	46.210	46.706	-27.294	74.000
9909.400	2.877	44.640	47.517	-26.483	74.000
Average Detector					
--					54.000
Vertical					
Peak Detector:					
4954.700	-2.787	45.140	42.354	-31.646	74.000
7432.050	0.495	49.320	49.816	-24.184	74.000
9909.400	2.877	44.040	46.917	-27.083	74.000
Average Detector					
--					54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : Wireless Headset
 Test Item : General Radiated Emission Data
 Test Date : 2017/12/29
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V /m	dB	dB μ V /m
Horizontal					
83.420	-15.957	47.925	31.969	-8.031	40.000
249.304	-11.645	47.147	35.502	-10.498	46.000
444.710	-6.303	36.094	29.791	-16.209	46.000
665.420	-2.332	31.509	29.177	-16.823	46.000
827.087	0.010	36.609	36.619	-9.381	46.000
969.072	1.732	29.896	31.628	-22.372	54.000
Vertical					
70.768	-13.588	45.659	32.071	-7.929	40.000
245.087	-11.751	41.921	30.170	-15.830	46.000
531.870	-4.638	37.219	32.580	-13.420	46.000
706.188	-1.556	31.150	29.595	-16.405	46.000
881.913	0.714	29.721	30.435	-15.565	46.000
998.594	2.199	32.665	34.864	-19.136	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Wireless Headset
 Test Item : General Radiated Emission Data
 Test Date : 2017/12/06
 Test Mode : Mode 2: Transmit (Antenna: 1) (2441.35MHz)

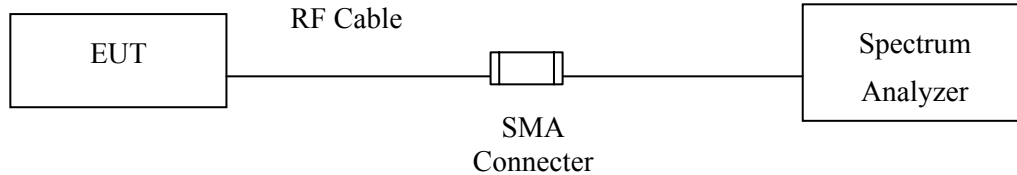
Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V /m	dB	dB μ V /m
Horizontal					
83.420	-15.957	49.665	33.709	-6.291	40.000
253.522	-11.548	45.911	34.363	-11.637	46.000
474.232	-5.752	40.193	34.441	-11.559	46.000
665.420	-2.332	32.369	30.037	-15.963	46.000
829.899	0.055	34.892	34.946	-11.054	46.000
1000.000	2.220	35.960	38.180	-15.820	54.000
Vertical					
70.768	-13.588	46.903	33.315	-6.685	40.000
256.333	-11.483	35.705	24.221	-21.779	46.000
531.870	-4.638	38.692	34.053	-11.947	46.000
709.000	-1.511	30.371	28.860	-17.140	46.000
828.493	0.037	30.794	30.831	-15.169	46.000
997.188	2.178	33.676	35.855	-18.145	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

5. RF Antenna Conducted Test

5.1. Test Setup



5.2. Limits

According to FCC Section 15.247(d). In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 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 under this paragraph shall be 30 dB instead of 20 dB.

5.3. Test Procedure

The EUT was tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Uncertainty

±1.23dB

5.5. Test Result of RF Antenna Conducted Test

Product : Wireless Headset
Test Item : RF Antenna Conducted Test
Test Mode : Mode 1: Transmit (Antenna: 0)
Test Date : 2017/12/06

Figure Channel 01:

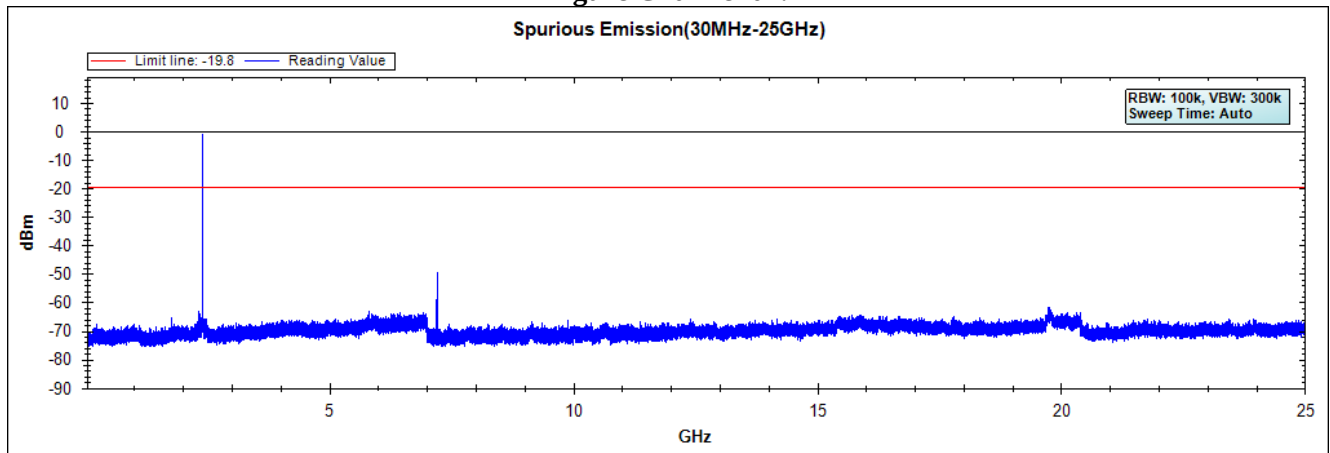


Figure Channel 20:

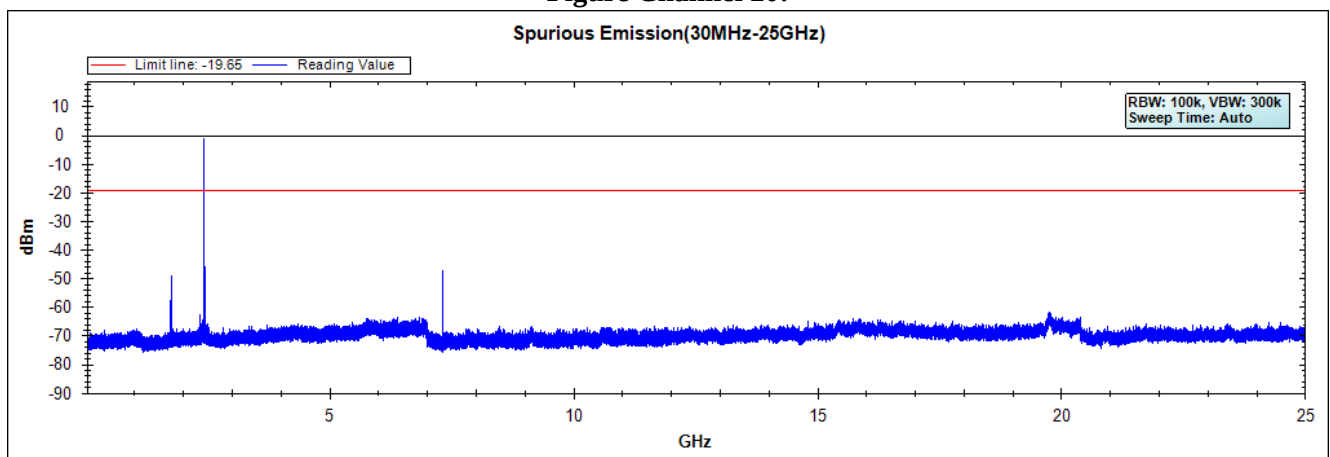
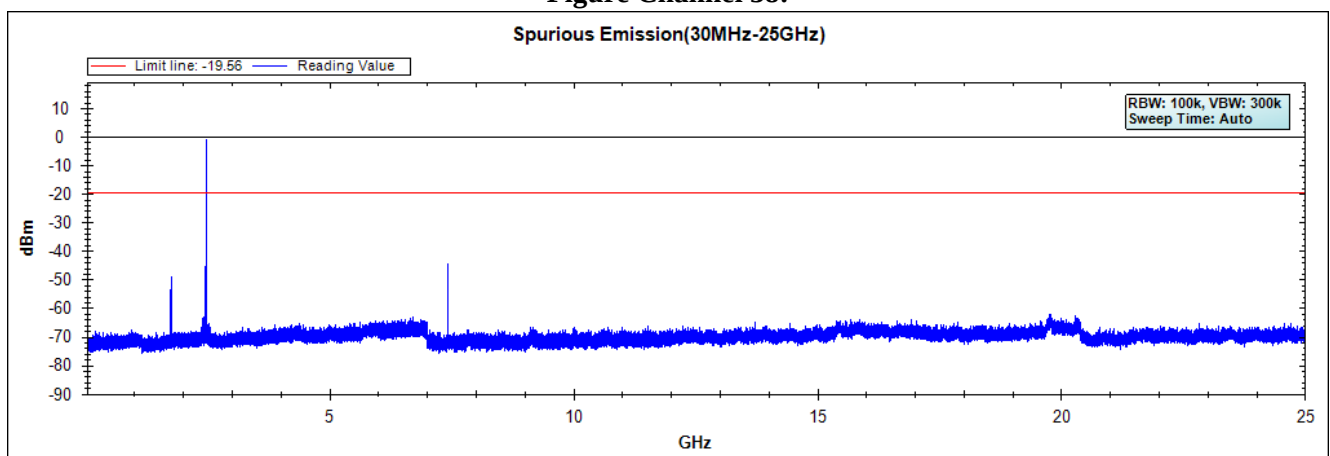


Figure Channel 38:

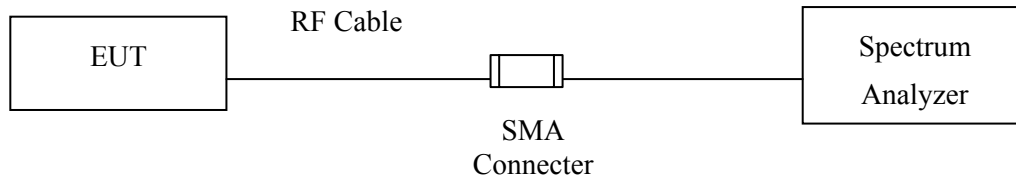


Note: The above test pattern is synthesized by multiple of the frequency range.

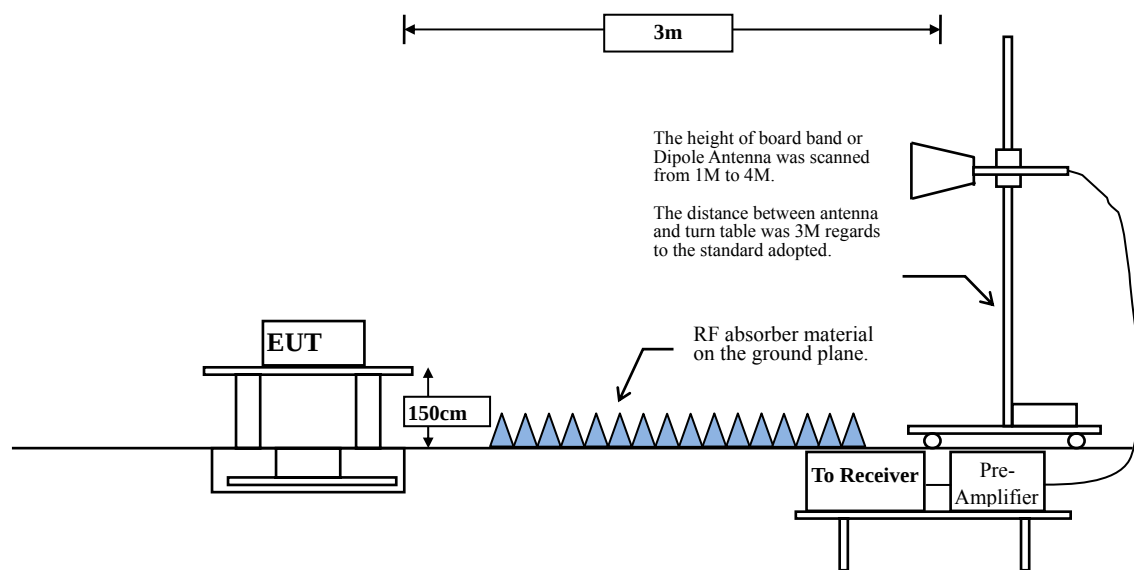
6. Band Edge

6.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



6.2. Limit

According to FCC Section 15.247(d). In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 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 under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. 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)).

6.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

6.4. Uncertainty

Conducted: $\pm 1.23\text{dB}$

Radiated:

Horizontal polarization : 1-18GHz: $\pm 3.77\text{dB}$

Vertical polarization : 1-18GHz : $\pm 3.83\text{dB}$

6.5. Test Result of Band Edge

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/29
 Test Mode : Mode 1: Transmit (Antenna: 0) (2403.35MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V /m)	Peak Limit (dB μ V /m)	Average Limit (dB μ V /m)	Result
01 (Peak)	2389.275	12.146	38.612	50.758	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	31.665	43.813	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	53.568	65.744	--	--	--
01 (Peak)	2403.043	12.184	84.985	97.169	--	--	--
01 (Average)	2371.449	12.095	18.281	30.376	74.00	54.00	Pass
01 (Average)	2390.000	12.148	17.584	29.732	74.00	54.00	Pass
01 (Average)	2400.000	12.176	46.160	58.336	--	--	--
01 (Average)	2403.333	12.185	81.738	93.922	--	--	--

Figure Channel 01: Horizontal (Peak)

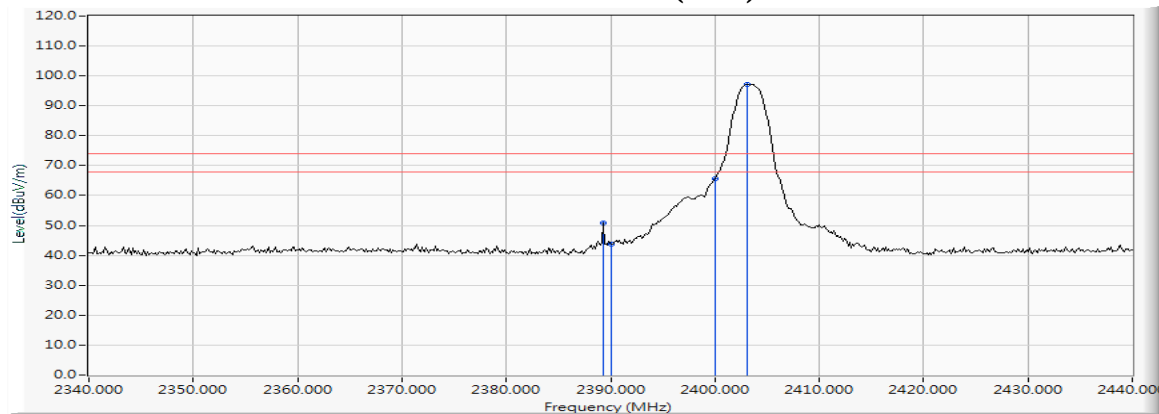
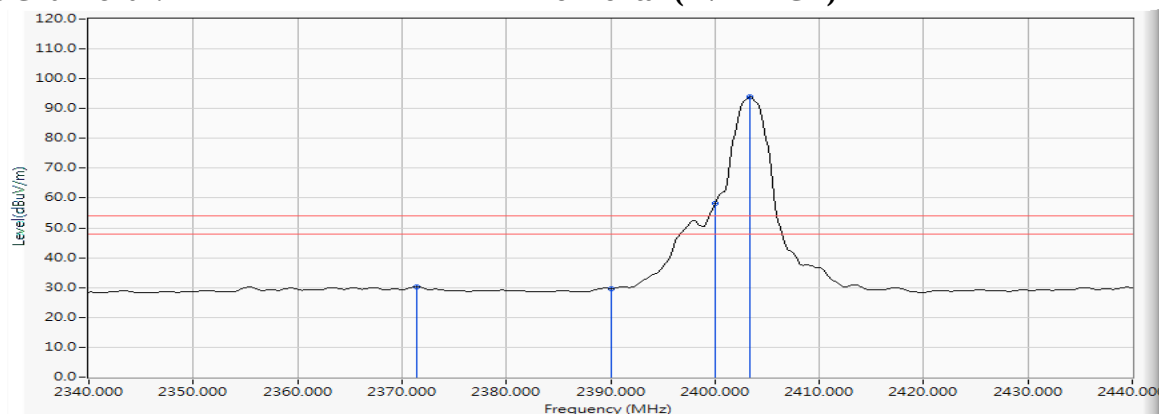


Figure Channel 01: Horizontal (AVERAGE)



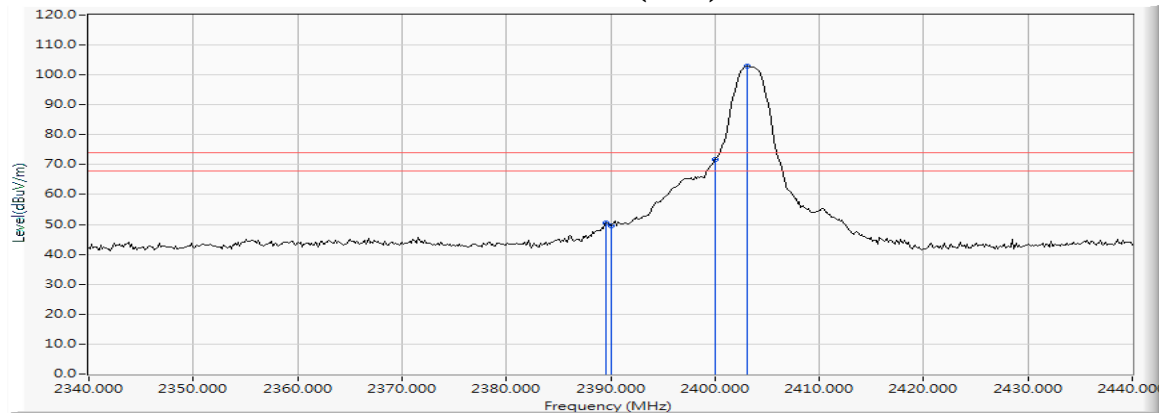
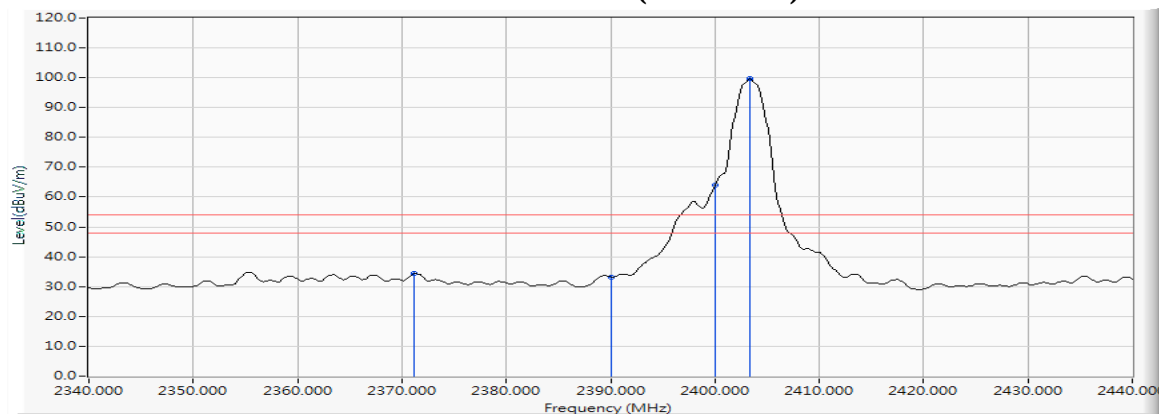
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/29
 Test Mode : Mode 1: Transmit (Antenna: 0) (2403.35MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V /m)	Peak Limit (dB μ V /m)	Average Limit (dB μ V /m)	Result
01 (Peak)	2389.565	12.147	38.428	50.575	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	37.383	49.531	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	59.468	71.644	--	--	--
01 (Peak)	2403.043	12.184	90.681	102.865	--	--	--
01 (Average)	2371.159	12.095	22.253	34.347	74.00	54.00	Pass
01 (Average)	2390.000	12.148	21.104	33.252	74.00	54.00	Pass
01 (Average)	2400.000	12.176	51.932	64.108	--	--	--
01 (Average)	2403.333	12.185	87.412	99.596	--	--	--

Figure Channel 01:
Vertical (Peak)

Figure Channel 01:
Vertical (AVERAGE)


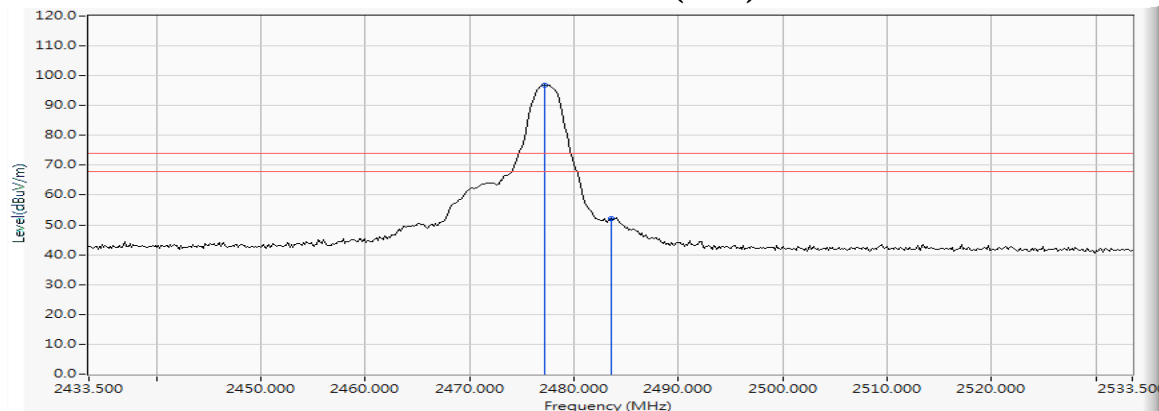
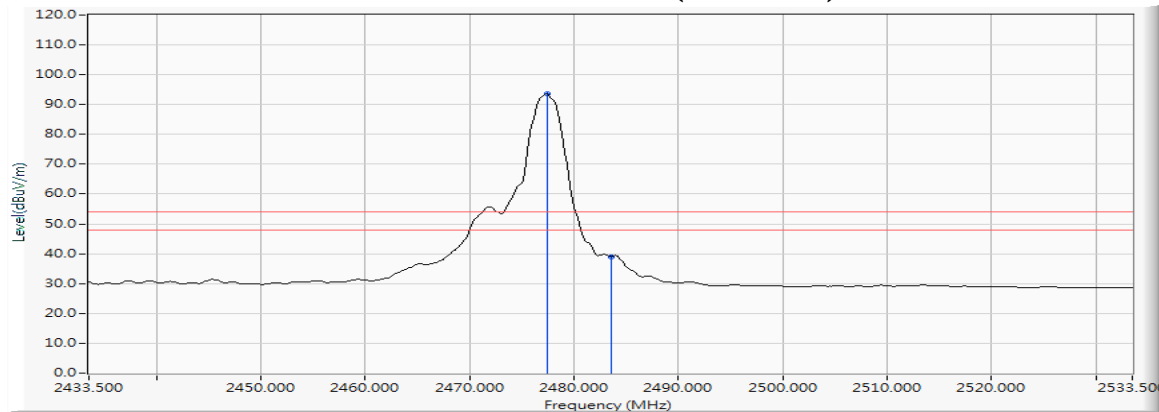
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/29
 Test Mode : Mode 1: Transmit (Antenna: 0) (2477.35MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV /m)	Peak Limit (dBμV /m)	Average Limit (dBμV /m)	Result
38 (Peak)	2477.123	12.385	84.458	96.843	--	--	--
38 (Peak)	2483.500	12.403	39.716	52.119	74.00	54.00	Pass
38 (Average)	2477.413	12.386	81.302	93.688	--	--	--
38 (Average)	2483.500	12.403	26.602	39.005	74.00	54.00	Pass

Figure Channel 38: Horizontal (Peak)

Figure Channel 38: Horizontal (AVERAGE)


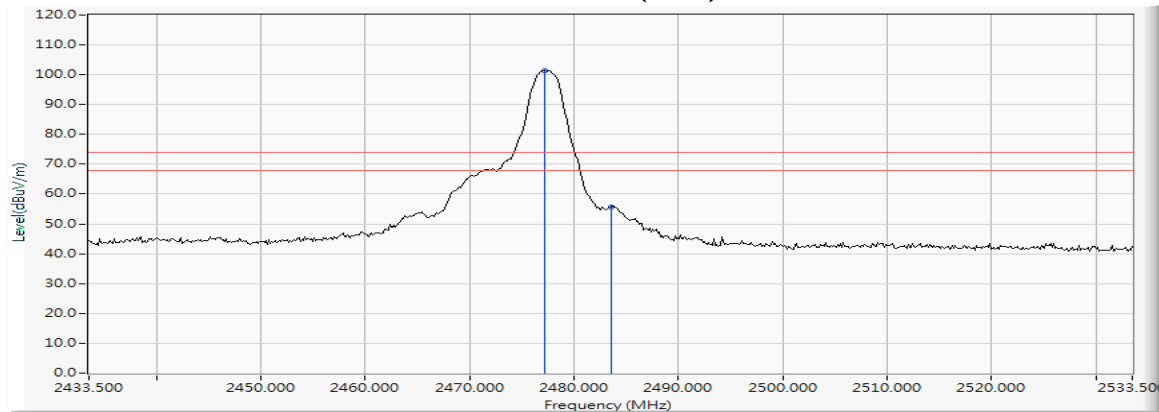
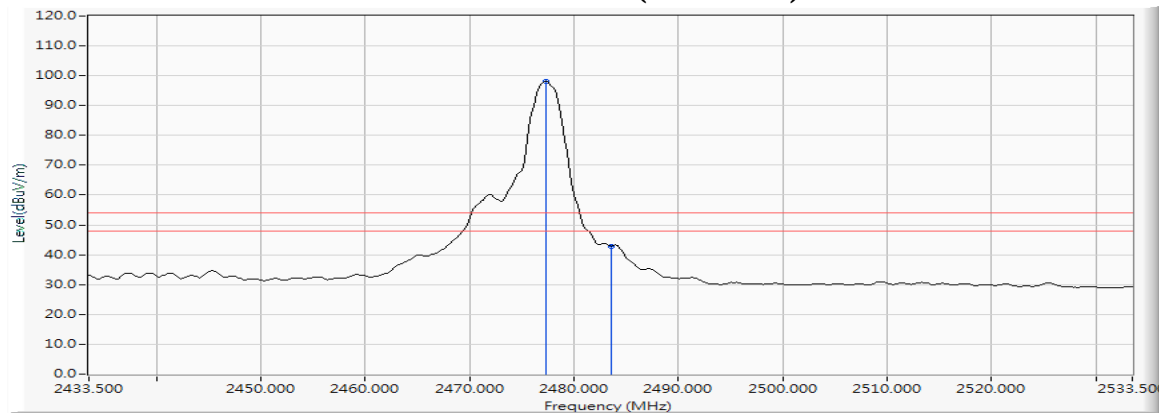
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/29
 Test Mode : Mode 1: Transmit (Antenna: 0) (2477.35MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V /m)	Peak Limit (dB μ V /m)	Average Limit (dB μ V /m)	Result
38 (Peak)	2477.123	12.385	88.996	101.381	--	--	--
38 (Peak)	2483.500	12.403	43.265	55.668	74.00	54.00	Pass
38 (Average)	2477.268	12.386	85.806	98.191	--	--	--
38 (Average)	2483.500	12.403	30.516	42.919	74.00	54.00	Pass

Figure Channel 38: Vertical (Peak)**Figure Channel 38: Vertical (AVERAGE)**

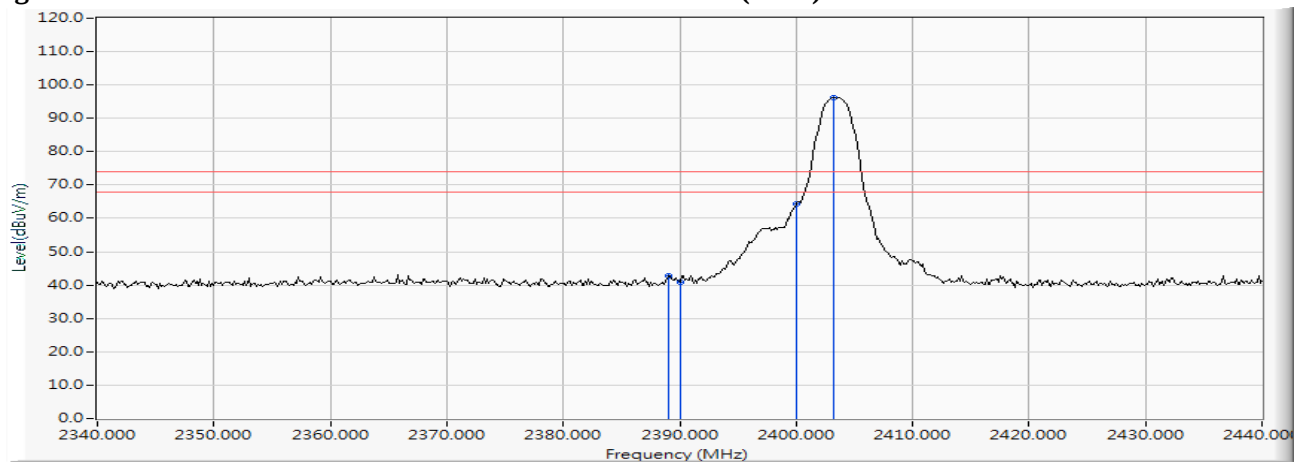
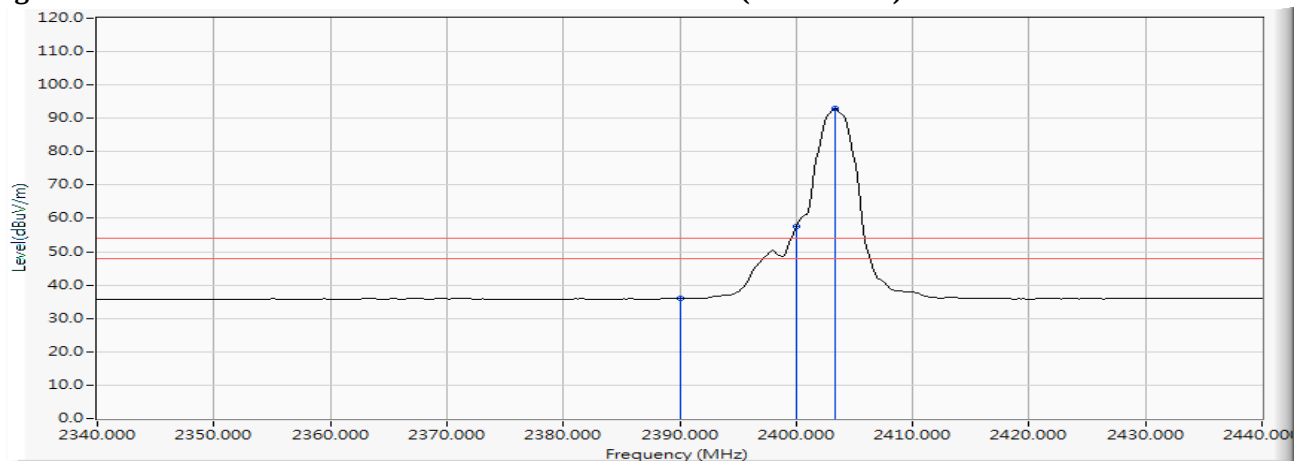
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2403.35MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
01 (Peak)	2388.986	12.145	30.717	42.862	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	28.770	40.918	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	52.227	64.403	--	--	--
01 (Peak)	2403.188	12.184	83.934	96.118	--	--	--
01 (Average)	2390.000	12.148	23.863	36.011	74.00	54.00	Pass
01 (Average)	2400.000	12.176	45.458	57.634	--	--	--
01 (Average)	2403.333	12.185	80.677	92.861	--	--	--

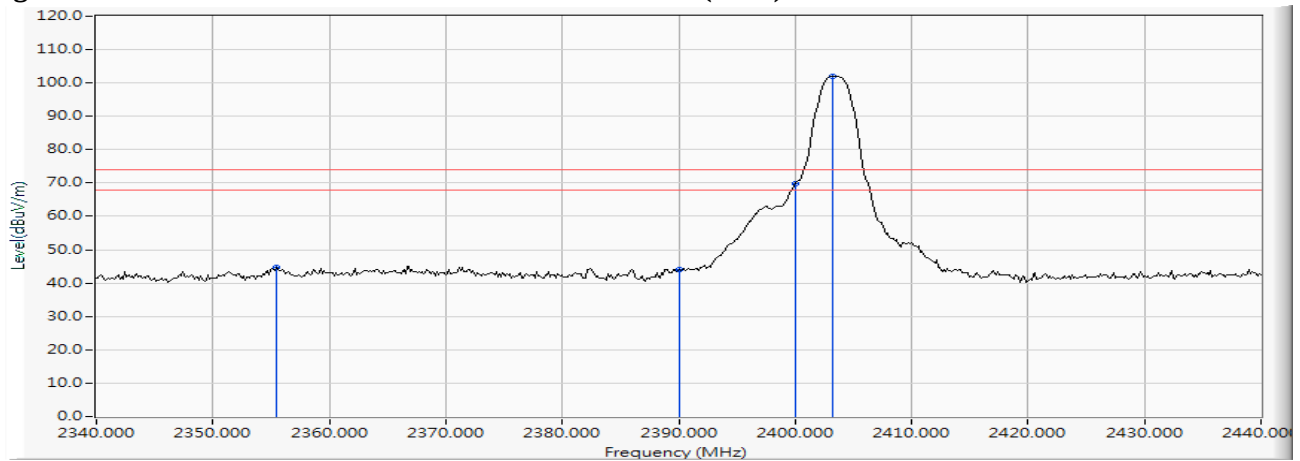
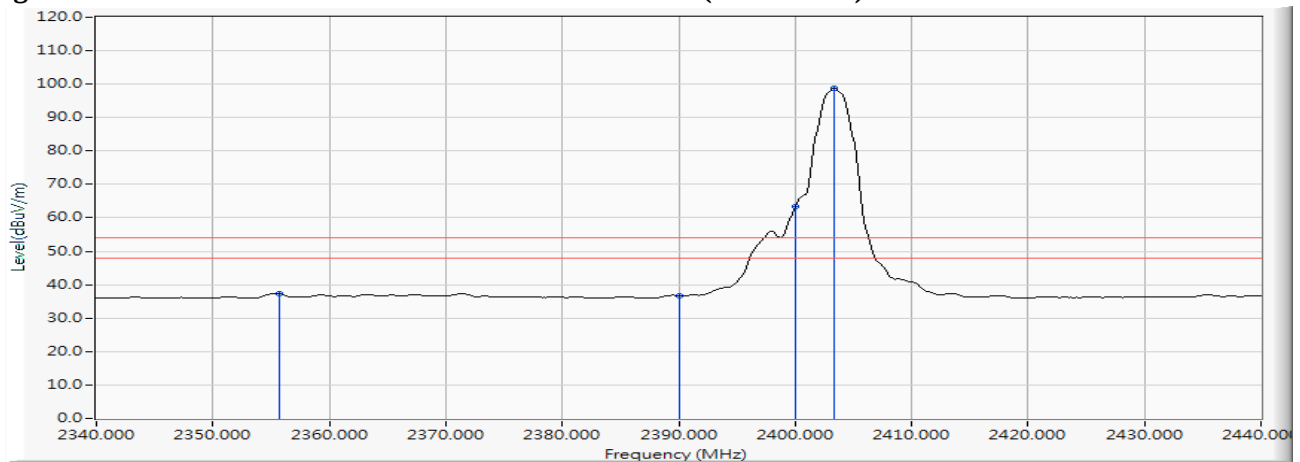
Figure Channel 01: Horizontal (Peak)

Figure Channel 01: Horizontal (AVERAGE)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2403.35MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V /m)	Peak Limit (dB μ V /m)	Average Limit (dB μ V /m)	Result
01 (Peak)	2355.507	12.050	32.829	44.879	74.00	54.00	Pass
01 (Peak)	2390.000	12.148	32.064	44.212	74.00	54.00	Pass
01 (Peak)	2400.000	12.176	57.714	69.890	--	--	--
01 (Peak)	2403.188	12.184	89.911	102.095	--	--	--
01 (Average)	2355.652	12.050	25.248	37.298	74.00	54.00	Pass
01 (Average)	2390.000	12.148	24.614	36.762	74.00	54.00	Pass
01 (Average)	2400.000	12.176	51.329	63.505	--	--	--
01 (Average)	2403.333	12.185	86.668	98.852	--	--	--

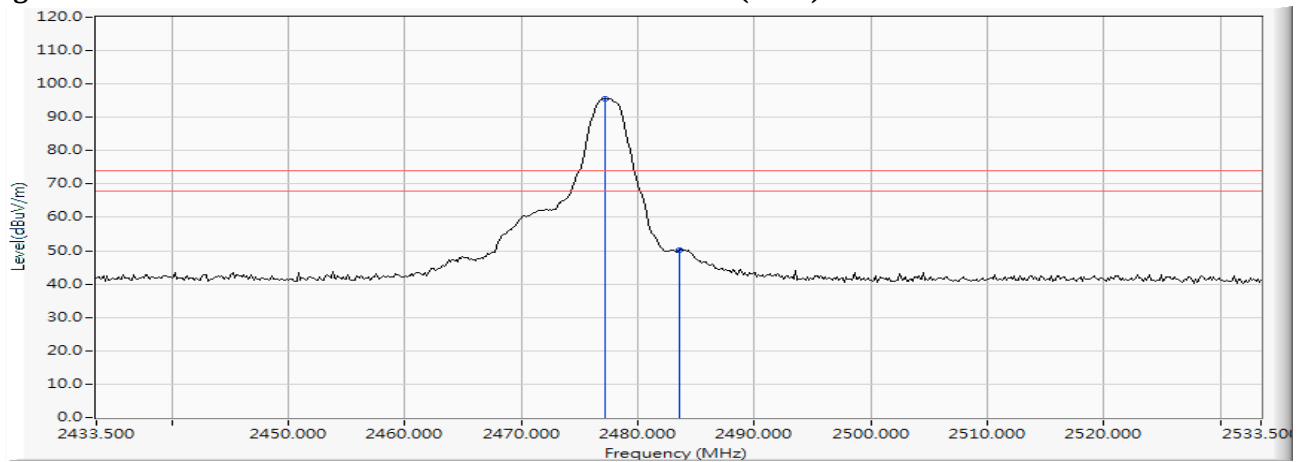
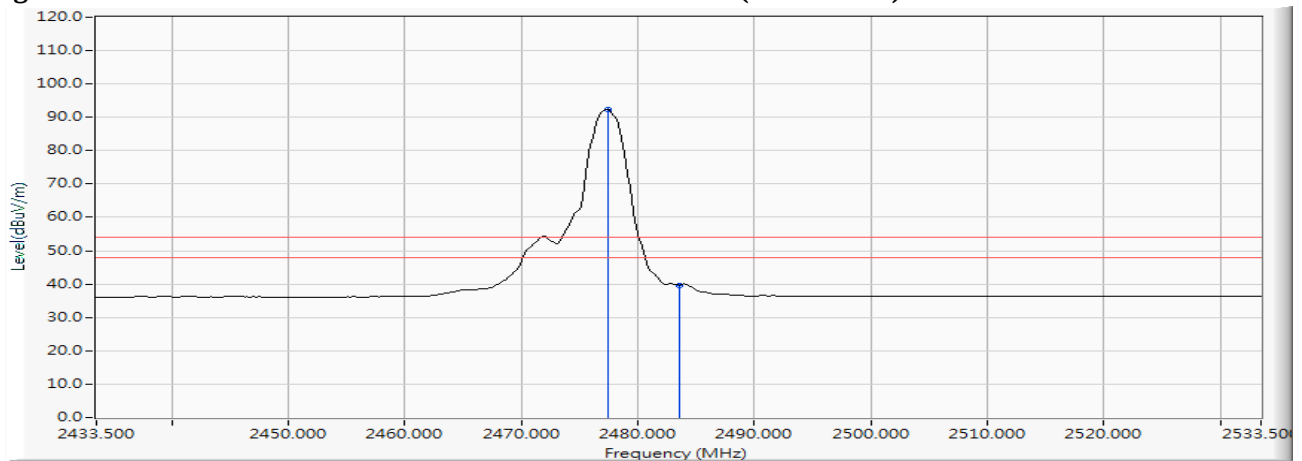
Figure Channel 01:**Vertical (Peak)****Figure Channel 01:****Vertical (AVERAGE)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2477.35MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
38 (Peak)	2477.123	12.385	83.263	95.648	--	--	--
38 (Peak)	2483.500	12.403	37.624	50.027	74.00	54.00	Pass
38 (Average)	2477.413	12.386	80.084	92.470	--	--	--
38 (Average)	2483.500	12.403	27.311	39.714	74.00	54.00	Pass

Figure Channel 38: Horizontal (Peak)

Figure Channel 38: Horizontal (AVERAGE)


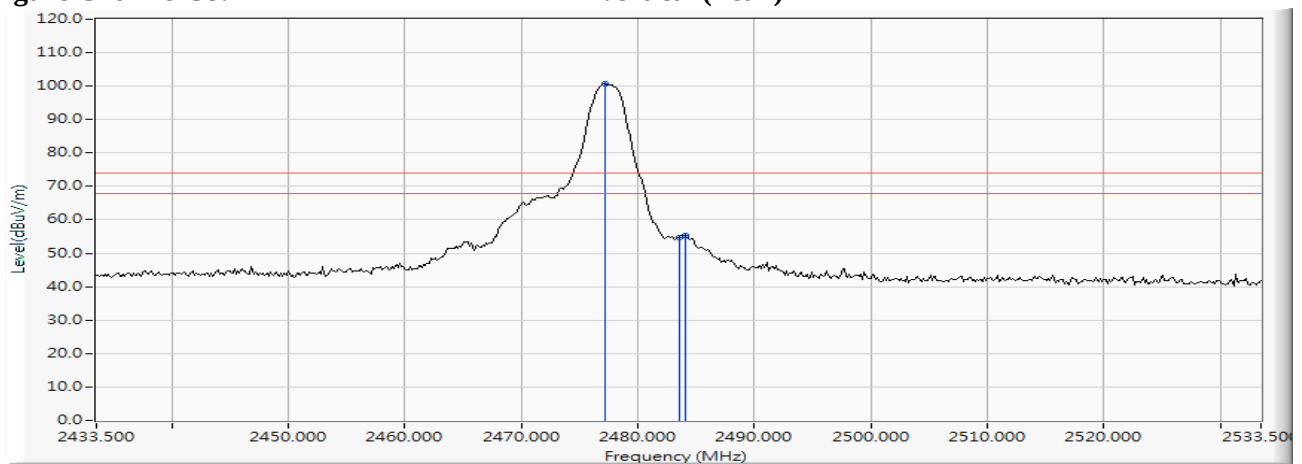
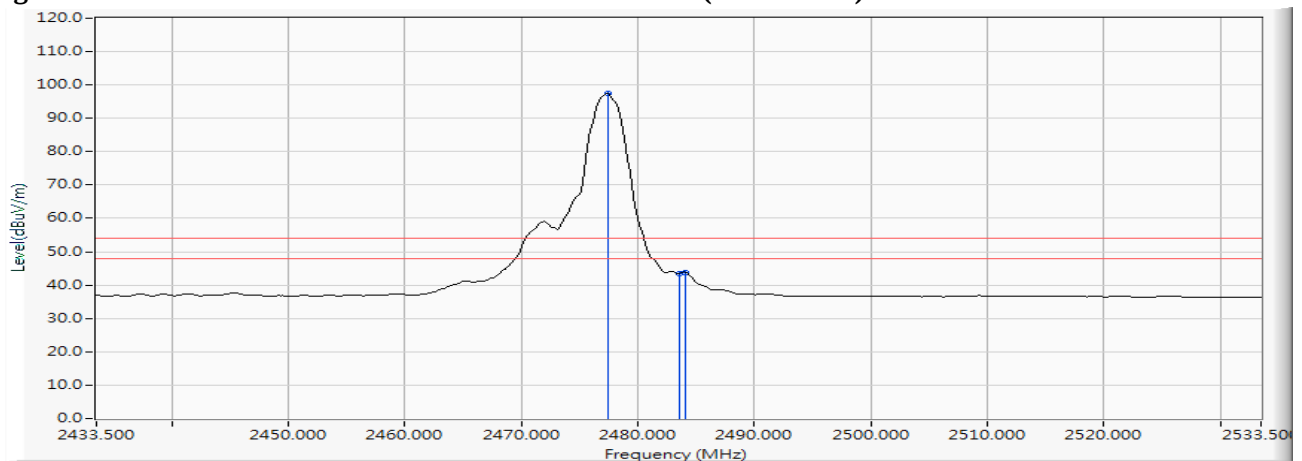
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

Product : Wireless Headset
 Test Item : Band Edge Data
 Test Date : 2017/12/05
 Test Mode : Mode 2: Transmit (Antenna: 1) (2477.35MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V /m)	Peak Limit (dB μ V /m)	Average Limit (dB μ V /m)	Result
38 (Peak)	2477.123	12.385	88.157	100.542	--	--	--
38 (Peak)	2483.500	12.403	42.440	54.843	74.00	54.00	Pass
38 (Peak)	2484.080	12.404	42.874	55.278	74.00	54.00	Pass
38 (Average)	2477.413	12.386	84.979	97.365	--	--	--
38 (Average)	2483.500	12.403	31.042	43.445	74.00	54.00	Pass
38 (Average)	2484.080	12.404	31.505	43.909	74.00	54.00	Pass

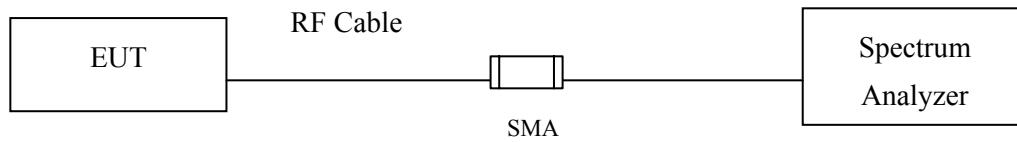
Figure Channel 38:
Vertical (Peak)

Figure Channel 38:
Vertical (AVERAGE)


Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.

7. 6dB Bandwidth

7.1. Test Setup



7.2. Limits

The minimum bandwidth shall be at least 500 kHz.

7.3. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the emission bandwidth, $VBW \geq 3 * RBW$

7.4. Uncertainty

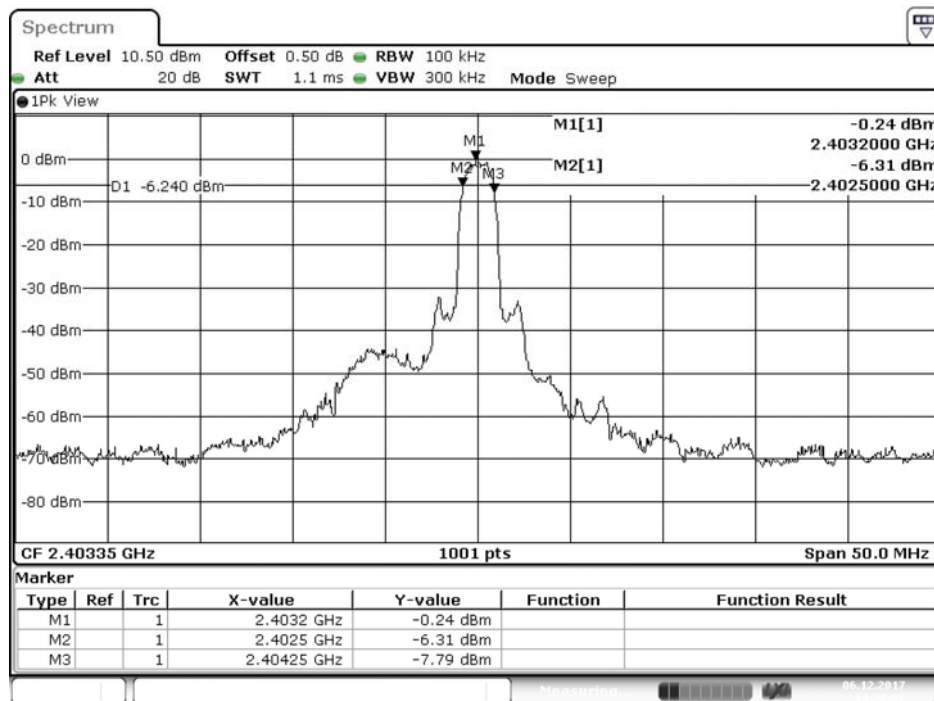
$\pm 279.2 \text{ Hz}$

7.5. Test Result of 6dB Bandwidth

Product : Wireless Headset
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 1: Transmit (Antenna: 0) (2403.35MHz)
 Test Date : 2017/12/06

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2403.35	1750	>500	Pass

Figure Channel 01:

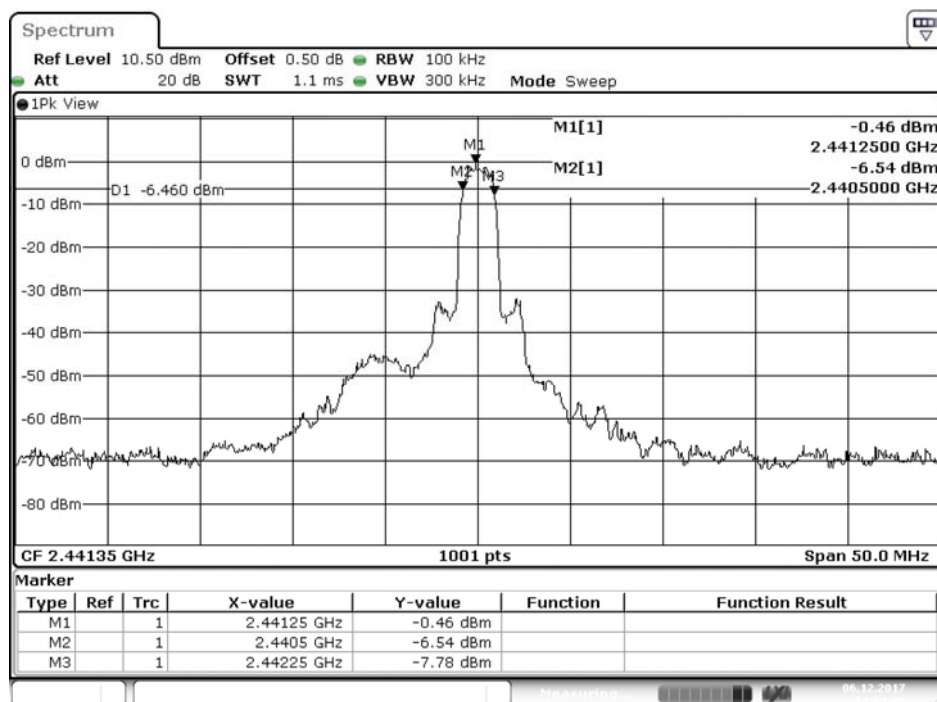


Date: 6.DEC.2017 14:20:52

Product : Wireless Headset
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)
 Test Date : 2017/12/06

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
20	2441.35	1750	>500	Pass

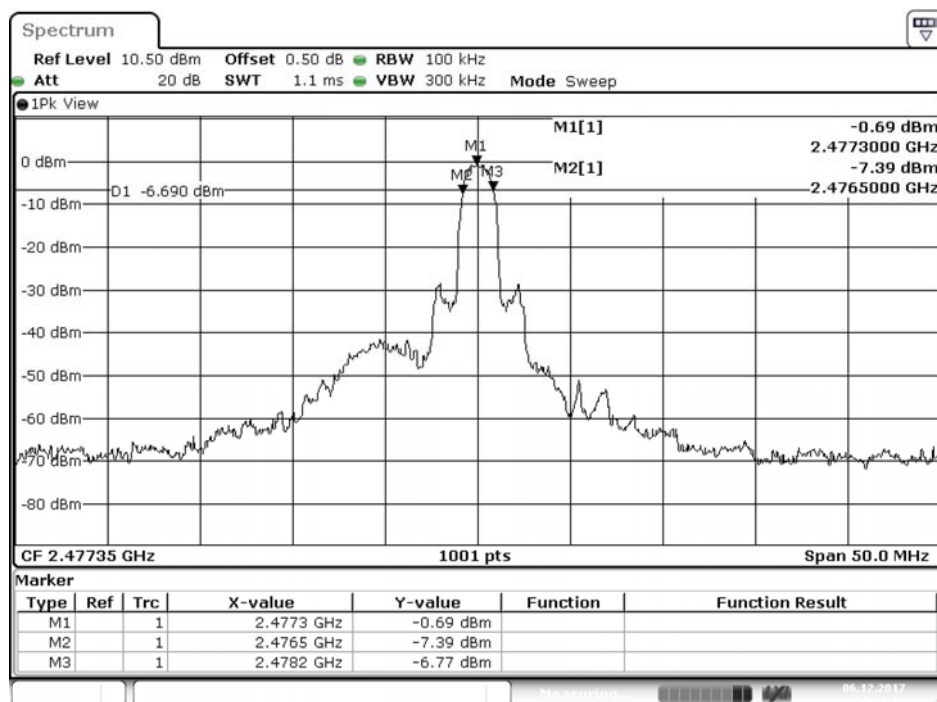
Figure Channel 20:



Product : Wireless Headset
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 1: Transmit (Antenna: 0) (2477.35MHz)
 Test Date : 2017/12/06

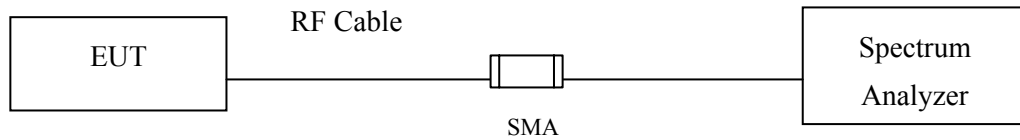
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
38	2477.35	1700	>500	Pass

Figure Channel 38:



8. Power Density

8.1. Test Setup



8.2. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013, the maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

8.4. Uncertainty

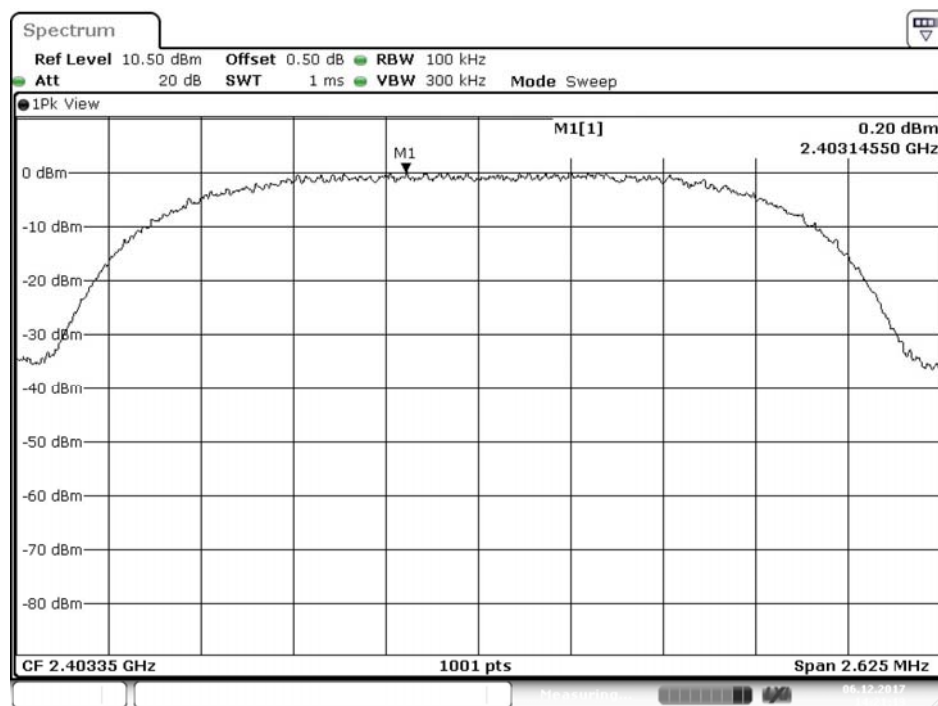
$\pm 1.23\text{dB}$

8.5. Test Result of Power Density

Product : Wireless Headset
 Test Item : Power Density Data
 Test Mode : Mode 1: Transmit (Antenna: 0) (2403.35MHz)
 Test Date : 2017/12/06

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2403.35	0.200	≤ 8 dBm	Pass

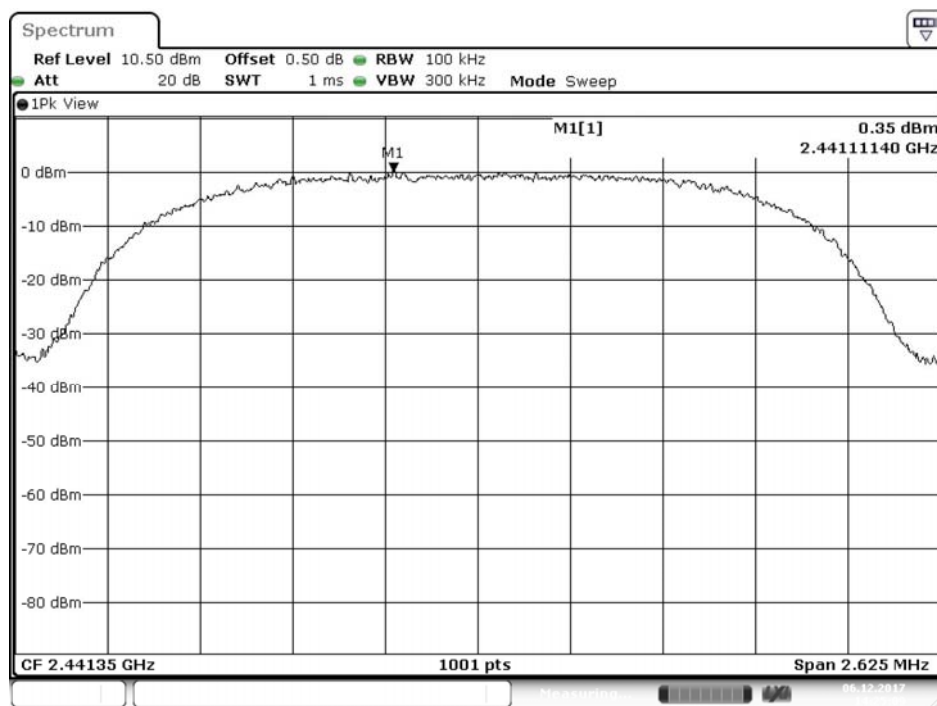
Figure Channel 01:



Product : Wireless Headset
 Test Item : Power Density Data
 Test Mode : Mode 1: Transmit (Antenna: 0) (2441.35MHz)
 Test Date : 2017/12/06

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
20	2441.35	0.350	$\leq 8\text{dBm}$	Pass

Figure Channel 20:



Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
38	2477.35	0.440	$\leq 8\text{dBm}$	Pass

Figure Channel 38:



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.