



Test Report

FCC Part15 Subpart C& RSS-247 Issue 2

Product Name : Wireless Bluetooth Headphones
Model No. : CM-H2,CM-H2S
FCC ID : QISCM-H2
IC : 6369A-CMH2

Applicant : Huawei Technologies Co., Ltd.

Address : Administration Building, Huawei Technologies Co., Ltd.
Bantian, Longgang District, Shenzhen, P. R. China

Date of Receipt : Aug. 08, 2018
Test Date : Aug. 08, 2018~ Oct. 22, 2018
Issued Date : Oct. 23, 2018
Report No. : 1882045R-RF-US-P06V03
Report Version : V2.1

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 of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by A2LA or any agency of the government.

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Test Report Certification

Issued Date : Oct. 23, 2018

Report No. : 1882045R-RF-US-P06V03



Product Name : Wireless Bluetooth Headphones
 Applicant : Huawei Technologies Co., Ltd.
 Address : Administration Building, Huawei Technologies Co., Ltd.
 Bantian, Longgang District, Shenzhen, P. R. China
 Manufacturer : Huawei Technologies Co., Ltd.
 Address : Administration Building, Huawei Technologies Co., Ltd.
 Bantian, Longgang District, Shenzhen, P. R. China
 Model No. : CM-H2,CM-H2S
 FCC ID : QISCM-H2
 IC : 6369A-CMH2
 EUT Voltage : Headset: DC 3.84V by built-in lithium battery, class
 Charging Case: DC3.82V by built-in lithium battery,
 DC 5V by USB cable, or By Wireless panel
 Test Voltage : AC120V/60Hz
 Brand Name : HUAWEI honor
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart C
 KDB DA 00-705 Released March 30, 2000
 ANSI C63.10: 2013
 RSS-Gen Issue 5/RSS-247 Issue 2
 Test Result : Complied
 Performed Location : DEKRA Testing & Certification (Suzhou) Co., Ltd.
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 FCC Designation Number: CN1199; ISED Lab Code: 4075B

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 (Engineering Supervisor: Jack Zhang)

TABLE OF CONTENTS

Description	Page
1. General Information.....	7
1.1. EUT Description.....	7
1.2. Antenna information.....	9
1.3. Mode of Operation.....	10
1.4. Tested System Details.....	11
1.5. Configuration of Tested System.....	12
1.6. EUT Exercise Software.....	13
2. Technical Test.....	14
2.1. Summary of Test Result.....	14
2.2. Test Environment.....	16
3. Conducted Emission.....	17
3.1. Test Equipment.....	17
3.2. Test Setup.....	17
3.3. Limit.....	18
3.4. Test Procedure.....	18
3.5. Uncertainty.....	18
3.6. Test Result.....	19
4. Emissions in restricted frequency bands.....	19
4.1. Test Equipment.....	21
4.2. Test Setup.....	22
4.3. Limit.....	23
4.4. Test Procedure.....	26
4.5. Uncertainty.....	26
4.6. Test Result.....	27
5. 20dB Bandwidth.....	63
5.1. Test Equipment.....	67
5.2. Test Setup.....	67
5.3. Limit.....	67
5.4. Test Procedure.....	68
5.5. Uncertainty.....	68
5.6. Test Result.....	69
6. Carrier Frequency Separation.....	75
6.1. Test Equipment.....	75
6.2. Test Setup.....	75
6.3. Limit.....	76
6.4. Test Procedure.....	76
6.5. Uncertainty.....	76

6.6.	Test Result.....	77
7.	Number of Hopping Frequencies.....	83
7.1.	Test Equipment.....	83
7.2.	Test Setup.....	83
7.3.	Limit.....	83
7.4.	Test Procedure.....	84
7.5.	Uncertainty.....	84
7.6.	Test Result.....	85
8.	Time of Occupancy (Dwell Time).....	88
8.1.	Test Equipment.....	88
8.2.	Test Setup.....	88
8.3.	Limit.....	88
8.4.	Test Procedure.....	89
8.5.	Uncertainty.....	89
8.6.	Test Result.....	90
9.	Peak Output Power.....	96
9.1.	Test Equipment.....	96
9.2.	Test Setup.....	96
9.3.	Limit.....	97
9.4.	Test Procedure.....	97
9.5.	Uncertainty.....	97
9.6.	Test Result.....	98
10.	Emissions in non-restricted frequency bands.....	101
10.1.	Test Equipment.....	101
10.2.	Test Setup.....	101
10.3.	Limit.....	102
10.4.	Test Procedure.....	102
10.5.	Uncertainty.....	102
10.6.	Test Result.....	103
11.	Radiated Emission Band Edge.....	105
11.1.	Test Equipment.....	105
11.2.	Test Setup.....	105
11.3.	Limit.....	106
11.4.	Test Procedure.....	106
11.5.	Uncertainty.....	106
11.6.	Duty Factor.....	107
11.7.	Test Result.....	108
12.	Antenna Requirement.....	132

12.1. Limit.....	132
12.2. Antenna Connector Construction.....	132

History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1882045R-RF-US-P06V03	V1.0	Initial Issued Report	Sep. 14, 2018
1882045R-RF-US-P06V03	V2.0	Add a model CM-H2S	Oct. 23, 2018
1882045R-RF-US-P06V03	V2.1	P95, Add a description of AFH mode	Oct. 23, 2018

1. General Information

1.1. EUT Description

Product Name	Wireless Bluetooth Headphones
Model No.	CM-H2,CM-H2S
EUT Voltage	Headset: DC 3.84V by built-in lithium battery, class Charging Case: DC3.82V by built-in lithium battery, DC 5V by USB cable, or By Wireless panel
Test Voltage	AC120V/60Hz
Bluetooth Specification	V3.0
Frequency Range	2402- 2480 MHz
Channel Number	V3.0: 79
Channel Separation	V3.0: 1MHz
Type of Modulation	V3.0: GFSK, Pi/4 DQPSK, 8DPSK
Data Rate	V3.0: 1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps(8DPSK)
Antenna Type	Reference to Antenna List
Peak Antenna Gain	Reference to Antenna List

Note 1: The construction of CM-H2S is similar to CM-H2 except that remove bone sensor: component U2,U3,U4 were removed from circuit. The layout of both models is the same.

Note 2: We have evaluated both models CM-H2 and CM-H2S, shown in the report is the worst case.

Bluetooth Working Frequency of Each Channel: (For V3.0)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2403 MHz	02	2404 MHz	03	2405 MHz
04	2406 MHz	05	2407 MHz	06	2408 MHz	07	2409 MHz
08	2410 MHz	09	2411 MHz	10	2412 MHz	11	2413 MHz
12	2414 MHz	13	2415 MHz	14	2416 MHz	15	2417 MHz
16	2418 MHz	17	2419 MHz	18	2420 MHz	19	2421 MHz
20	2422 MHz	21	2423 MHz	22	2424 MHz	23	2425 MHz
24	2426 MHz	25	2427 MHz	26	2428 MHz	27	2429 MHz
28	2430 MHz	29	2431 MHz	30	2432 MHz	31	2433 MHz
32	2434 MHz	33	2435 MHz	34	2436 MHz	35	2437 MHz
36	2438 MHz	37	2439 MHz	38	2440 MHz	39	2441 MHz
40	2442 MHz	41	2443 MHz	42	2444 MHz	43	2445 MHz
44	2446 MHz	45	2447 MHz	46	2448 MHz	47	2449 MHz
48	2450 MHz	49	2451 MHz	50	2452 MHz	51	2453 MHz
52	2454 MHz	53	2455 MHz	54	2456 MHz	55	2457 MHz
56	2458 MHz	57	2459 MHz	58	2460 MHz	59	2461 MHz
60	2462 MHz	61	2463 MHz	62	2464 MHz	63	2465 MHz
64	2466 MHz	65	2467 MHz	66	2468 MHz	67	2469 MHz
68	2470 MHz	69	2471 MHz	70	2472 MHz	71	2473 MHz
72	2474 MHz	73	2475 MHz	74	2476 MHz	75	2477 MHz
76	2478 MHz	77	2479 MHz	78	2480 MHz	N/A	N/A

1.2 Antenna information

Antenna manufacturer	N/A					
Antenna Delivery	<input checked="" type="checkbox"/>	1*TX+1*RX	<input type="checkbox"/>	2*TX+2*RX	<input type="checkbox"/>	3*TX+3*RX
Antenna technology	<input checked="" type="checkbox"/>	SISO				
	<input type="checkbox"/>	MIMO	<input type="checkbox"/>	Basic		
			<input type="checkbox"/>	CDD		
			<input type="checkbox"/>	Beam-forming		
Antenna Type	<input type="checkbox"/>	External	<input type="checkbox"/>	Dipole		
	<input checked="" type="checkbox"/>	Internal	<input type="checkbox"/>	PIFA		
			<input type="checkbox"/>	PCB		
			<input checked="" type="checkbox"/>	Ceramic Chip Antenna		
			<input type="checkbox"/>	Stamping Antenna		
			<input type="checkbox"/>	Metal plate type F antenna		
			<input type="checkbox"/>	Monopole antenna		
Antenna Gain	-3.74dBi					

1.3 Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmitter-1Mbps(GFSK_DH5)
Mode 2: Transmitter-2Mbps(Pi/4 DQPSK_DH5)
Mode 3: Transmitter-3Mbps(8DPSK_DH5)
Mode 4: Transmitter-Hopping

Note:

1. For portable device, radiated spurious emission was verified over X, Y, Z Axis, and shown the worst case on this report.
2. Regards to the frequency band operation for systems using FHSS modulation: normal operation (hopping) was selected to test for conducted spurious test.
3. The extreme test condition for voltage and temperature were declared by the manufacturer.
4. The reading values of all the test items contain cable loss.

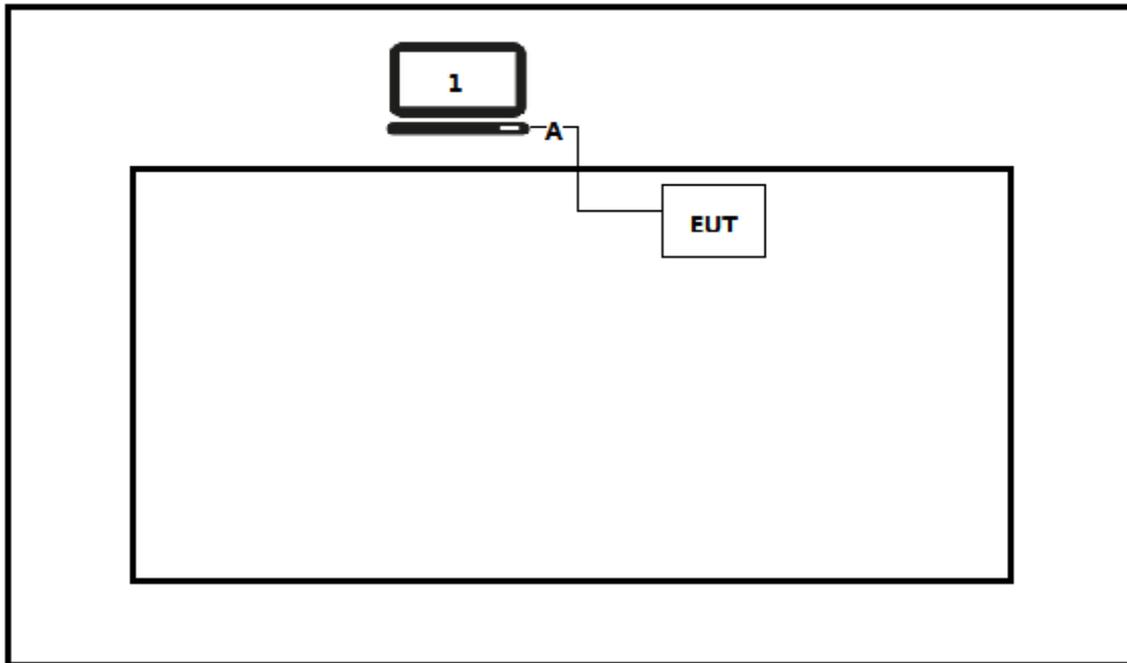
1.4 Tested System Details

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

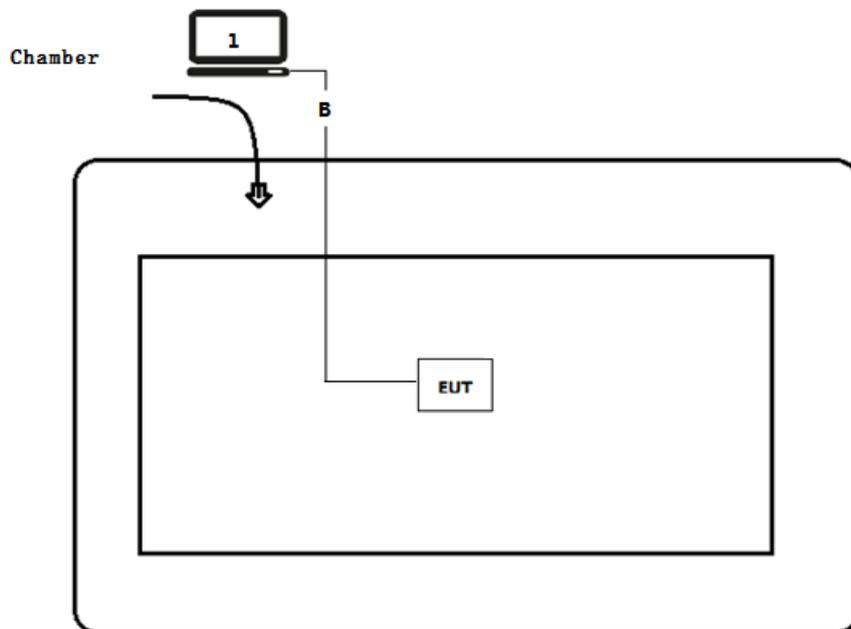
Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Notebook	Think Pad	2526	LV-A3285	Power by adapter
A USB Cable	N/A	N/A	N/A	Shield, 0.5m
B USB Cable	N/A	N/A	N/A	Shield, 10m

1.5 Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



1.6 EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of all equipment.
3	Run RF software [XCOM], and set the test mode and channel, then press OK to start to continue transmit.

2. Technical Test

2.1. Summary of Test Result

- No deviations from the test standards
 Deviations from the test standards as below description:

For FCC

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.207	Yes	No
Emissions in restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.209	Yes	No
20dB Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)	Yes	No
Carrier Frequency Separation	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)	Yes	No
Number of Hopping Frequencies	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)(iii)	Yes	No
Time of Occupancy (Dwell Time)	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(1)(iii)	Yes	No
Peak Output Power	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(b)(1)	Yes	No
Emissions in non-restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.215(c), 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2015 15.247(d)	Yes	No
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.203	Yes	No

For ISED

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	RSS-Gen Issue 4 Section 8.8	Yes	No
Radiated Emission	RSS-Gen Issue 4 Section 8.9	Yes	No
20dB Bandwidth	RSS-247 Issue 2 Section 5.1	Yes	No
Carrier Frequency Separation	RSS-247 Issue 2 Section 5.1	Yes	No
Number of Hopping Frequencies	RSS-247 Issue 2 Section 5.1	Yes	No
Time of Occupancy (Dwell Time)	RSS-247 Issue 2 Section 5.1	Yes	No
Peak Output Power	RSS-247 Issue 2 Section 5.4	Yes	No
Emissions in non-restricted frequency bands	RSS-247 Issue 2 Section 5.5	Yes	No
Radiated Emission Band Edge	RSS-Gen Issue 4 Section 8.10	Yes	No
Antenna Requirement	RSS-Gen Issue 4 Section 8.3	Yes	No

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

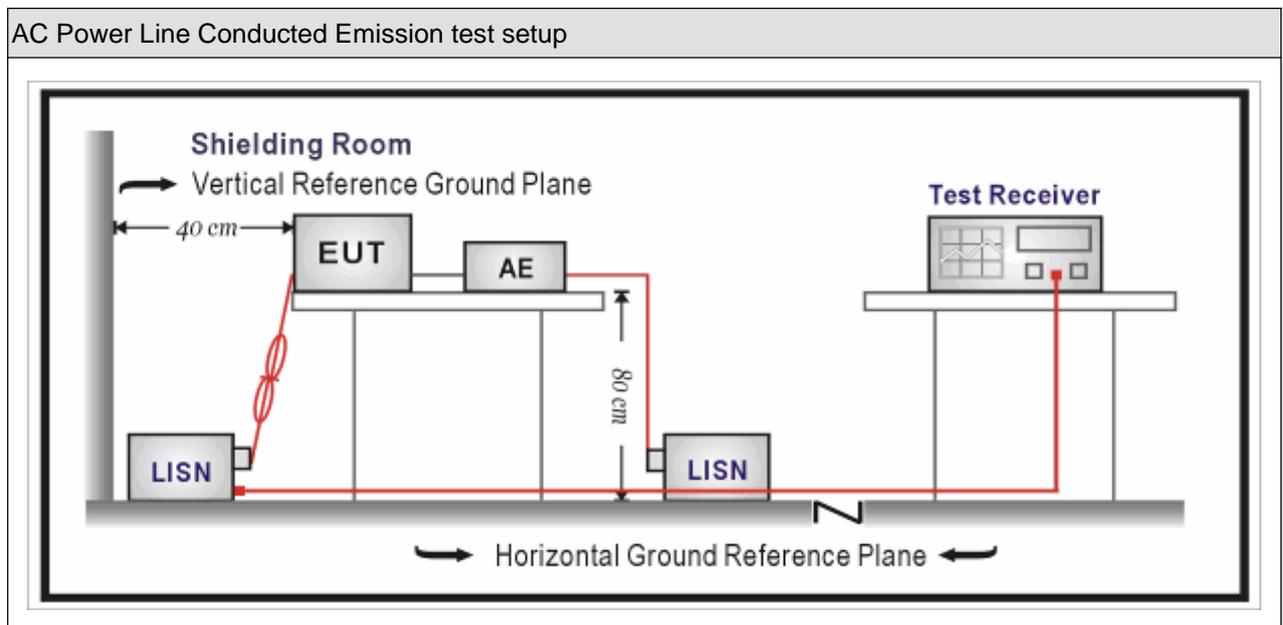
3. Conducted Emission

3.1. Test Equipment

AC Power Line Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100906	2018.03.05	2019.03.04
Two-Line V-Network	R&S	ENV 216	101189	2018.07.16	2019.07.15
Two-Line V-Network	R&S	ENV 216	101044	2017.09.15	2019.09.15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
50ohm Termination	SHX	TF2	07081402	2017.09.15	2019.09.15
Temperature/Humidity Meter	Zhichen	ZC1-2	TR1-TH	2018.01.05	2019.01.04
Quietek EMI V3(test software)	Quietek	N/A	N/A	N/A	N/A

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

Frequency of Emission (MHz)	Conducted Limit	
	Quasi-peak (dB μ V)	Average (dB μ V)
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note 1: The lower limit shall apply at the transition frequencies.
 Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

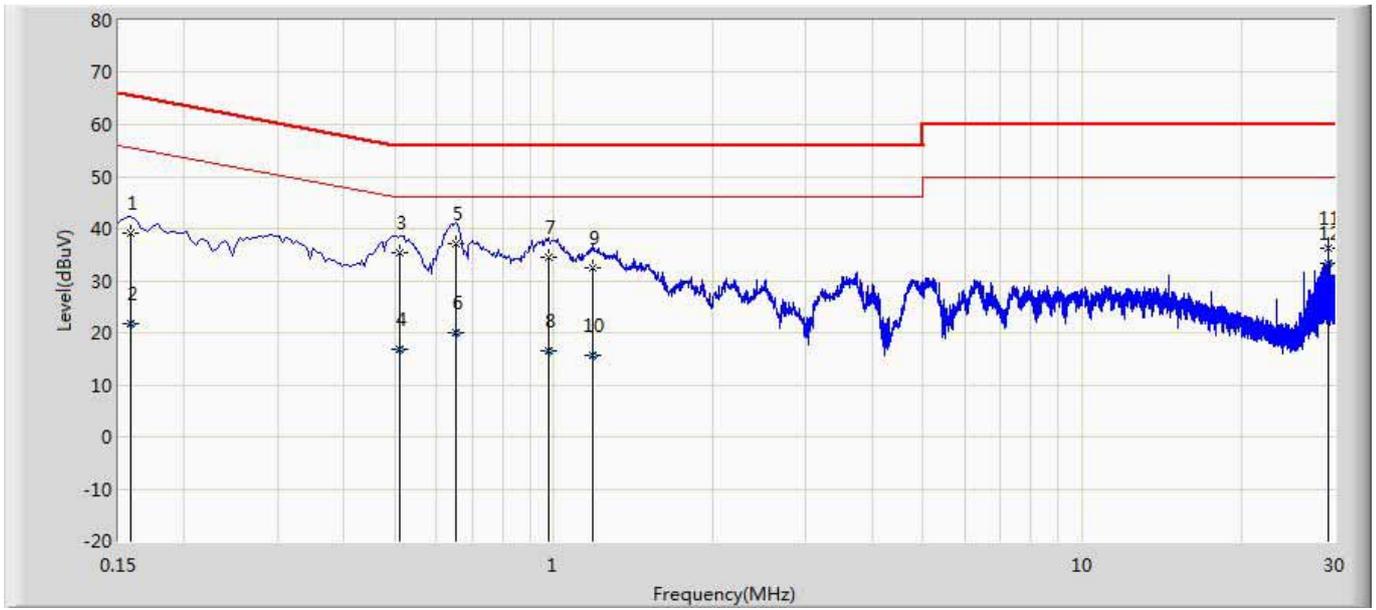
Test Method			
	References Rule	Chapter	Item
<input checked="" type="checkbox"/>	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

3.5. Uncertainty

The measurement uncertainty is defined as ± 2.02 dB

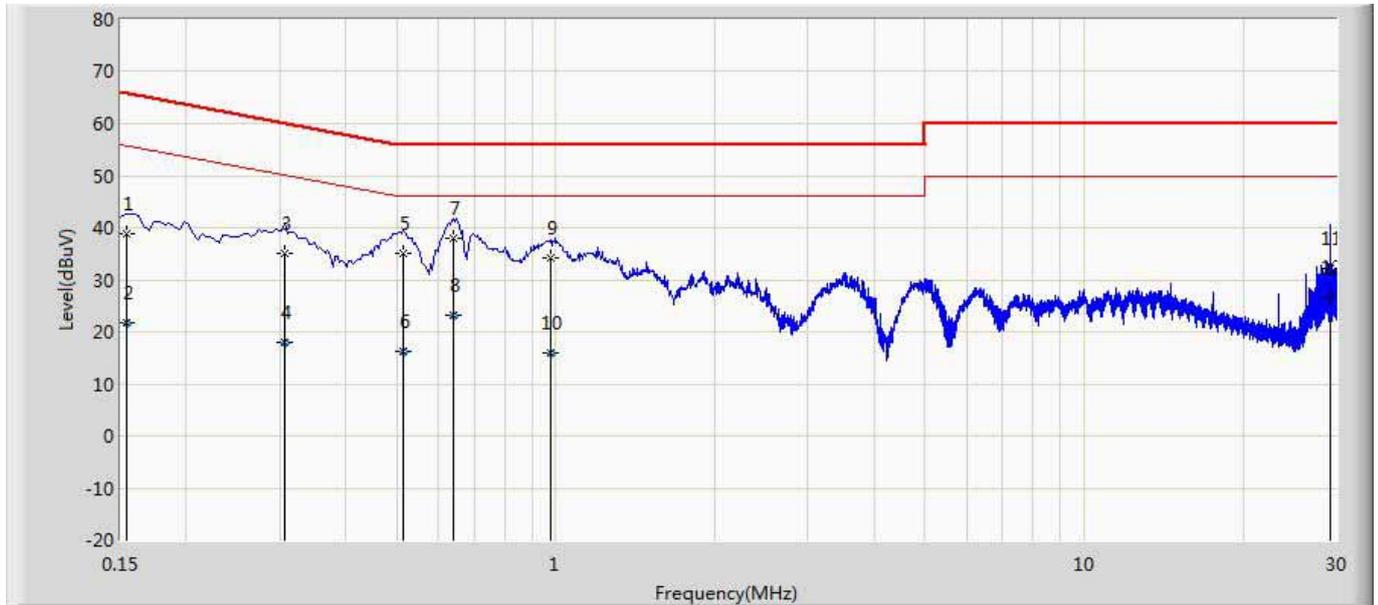
3.6. Test Result

Site: TR1	Time: 2018/08/23
Limit: FCC_Part15.207_CE	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Wireless Bluetooth Headphones	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.158	39.223	29.589	-26.549	65.771	9.608	0.026	0.000	QP
2		0.158	21.736	12.102	-34.035	55.771	9.608	0.026	0.000	AV
3		0.510	35.301	25.658	-20.699	56.000	9.600	0.043	0.000	QP
4		0.510	16.837	7.194	-29.163	46.000	9.600	0.043	0.000	AV
5		0.654	37.075	27.427	-18.925	56.000	9.600	0.048	0.000	QP
6		0.654	19.916	10.268	-26.084	46.000	9.600	0.048	0.000	AV
7		0.978	34.500	24.831	-21.500	56.000	9.609	0.060	0.000	QP
8		0.978	16.463	6.794	-29.537	46.000	9.609	0.060	0.000	AV
9		1.182	32.539	22.864	-23.461	56.000	9.610	0.065	0.000	QP
10		1.182	15.710	6.035	-30.290	46.000	9.610	0.065	0.000	AV
11		29.162	36.206	25.460	-23.794	60.000	10.395	0.351	0.000	QP
12	*	29.162	33.315	22.569	-16.685	50.000	10.395	0.351	0.000	AV

Site: TR1	Time: 2018/08/23
Limit: FCC_Part15.207_CE	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Wireless Bluetooth Headphones	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.154	38.784	29.165	-27.102	65.886	9.593	0.025	0.000	QP
2		0.154	21.597	11.978	-34.289	55.886	9.593	0.025	0.000	AV
3		0.306	35.146	25.516	-26.397	61.543	9.596	0.034	0.000	QP
4		0.306	17.865	8.235	-33.677	51.543	9.596	0.034	0.000	AV
5		0.514	35.048	25.415	-20.952	56.000	9.590	0.043	0.000	QP
6		0.514	16.319	6.685	-29.681	46.000	9.590	0.043	0.000	AV
7	*	0.638	37.918	28.280	-18.082	56.000	9.590	0.048	0.000	QP
8		0.638	23.311	13.673	-22.689	46.000	9.590	0.048	0.000	AV
9		0.978	34.121	24.471	-21.879	56.000	9.590	0.060	0.000	QP
10		0.978	16.080	6.430	-29.920	46.000	9.590	0.060	0.000	AV
11		29.170	32.293	21.332	-27.707	60.000	10.610	0.351	0.000	QP
12		29.170	26.551	15.590	-23.449	50.000	10.610	0.351	0.000	AV

4. Emissions in restricted frequency bands

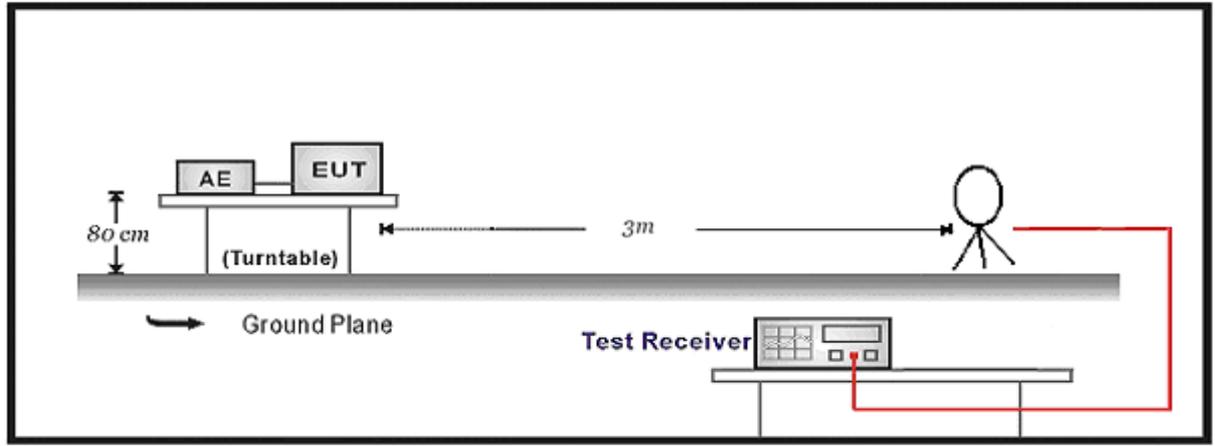
4.1. Test Equipment

Radiated Emission(Below 1GHz) / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2018.03.29	2019.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2017.11.16	2018.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2017.10.16	2019.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2018.03.02	2019.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2018.01.04	2019.01.03
Quietek EMI V3(test software)	Quietek	N/A	N/A	N/A	N/A
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

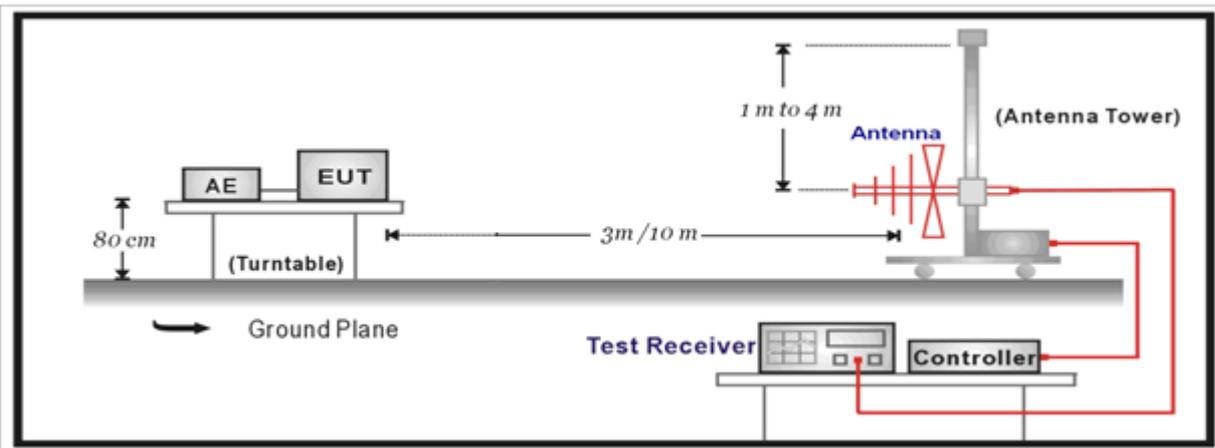
Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2018.01.04	2019.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2017.05.06	2019.05.05
Preamplifier	Quietek	AP-040G	CHM-0906001	2017.05.06	2019.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2018.01.22	2019.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2017.11.25	2018.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2018.03.02	2019.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2018.03.02	2019.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2018.03.02	2019.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2018.06.10	2019.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2018.01.04	2019.01.03
Quietek EMI V3(test software)	Quietek	N/A	N/A	N/A	N/A
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

4.2. Test Setup

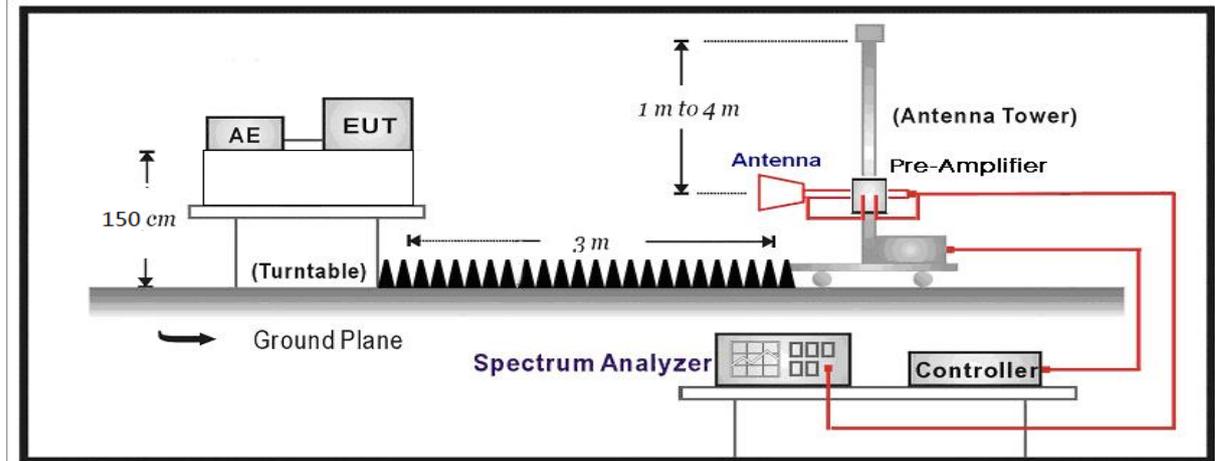
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

For FCC:

Restricted Bands of operation			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

For ISED:

Restricted Bands of operation			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090-0.110	13.36-13.41	1645.5-1646.5	13.25-13.4
2.1735-2.1905	16.42-16.423	1660-1710	14.47-14.5
3.020-3.026	16.69475-16.69525	1718.8-1722.2	15.35-16.2
4.125-4.128	16.80425-16.80475	2200-2300	17.7-21.4
4.17725-4.17775	25.5-25.67	2310-2390	22.01-23.12
4.20725-4.20775	37.5-38.25	2655-2900	23.6-24.0
5.677-5.683	73-74.6	3260-3267	31.2-31.8
6.215-6.218	74.8-75.2	3332-3339	36.43-36.5
6.26775-6.26825	108-138	3345.8-3358	Above 38.6
6.31175-6.31225	156.52475-156.52525	3500-4400	
8.291-8.294	156.7-156.9	4500-5150	
8.362-8.366	240-285	5350-5460	
8.37625-8.38675	322-335.4	7250-7750	
8.41425-8.41475	399.9-410	8025-8500	
12.29-12.293	608-614	9.0-9.2	
12.51975-12.52025	960-1427	9.3-9.5	
12.57675-12.57725	1435-1626.5	10.6-12.7	

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.4. Test Procedure

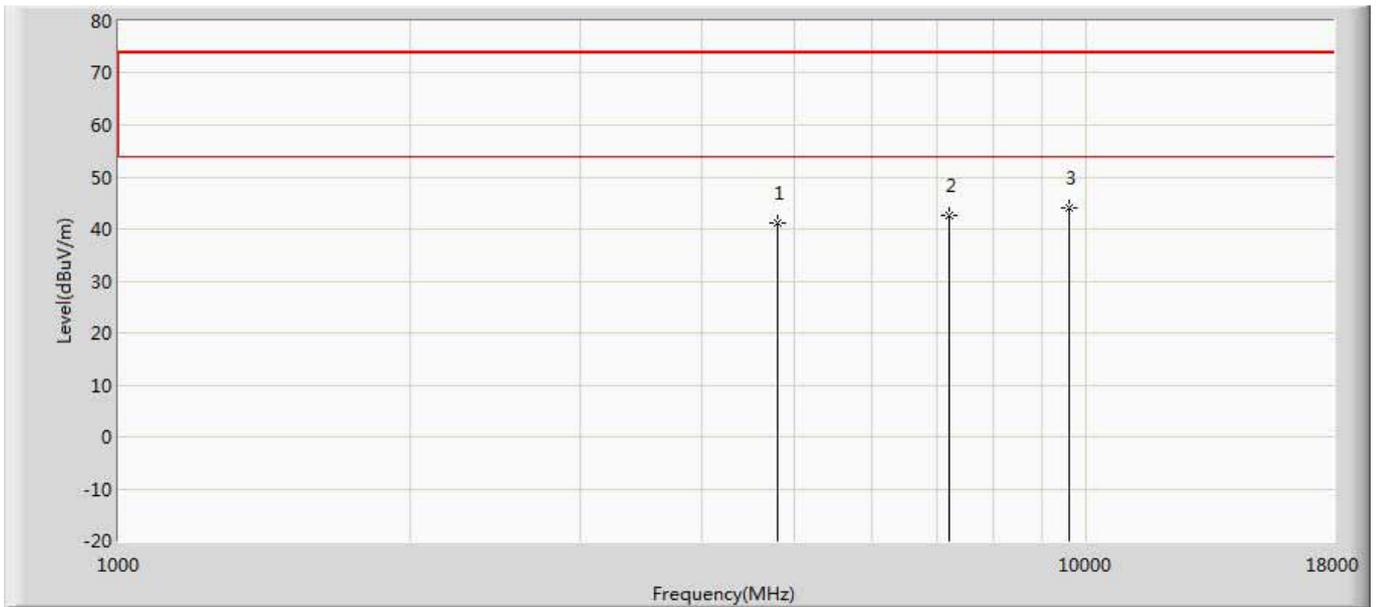
Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
<input checked="" type="checkbox"/>	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
<input checked="" type="checkbox"/>	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB
below 1G is defined as ± 3.8 dB

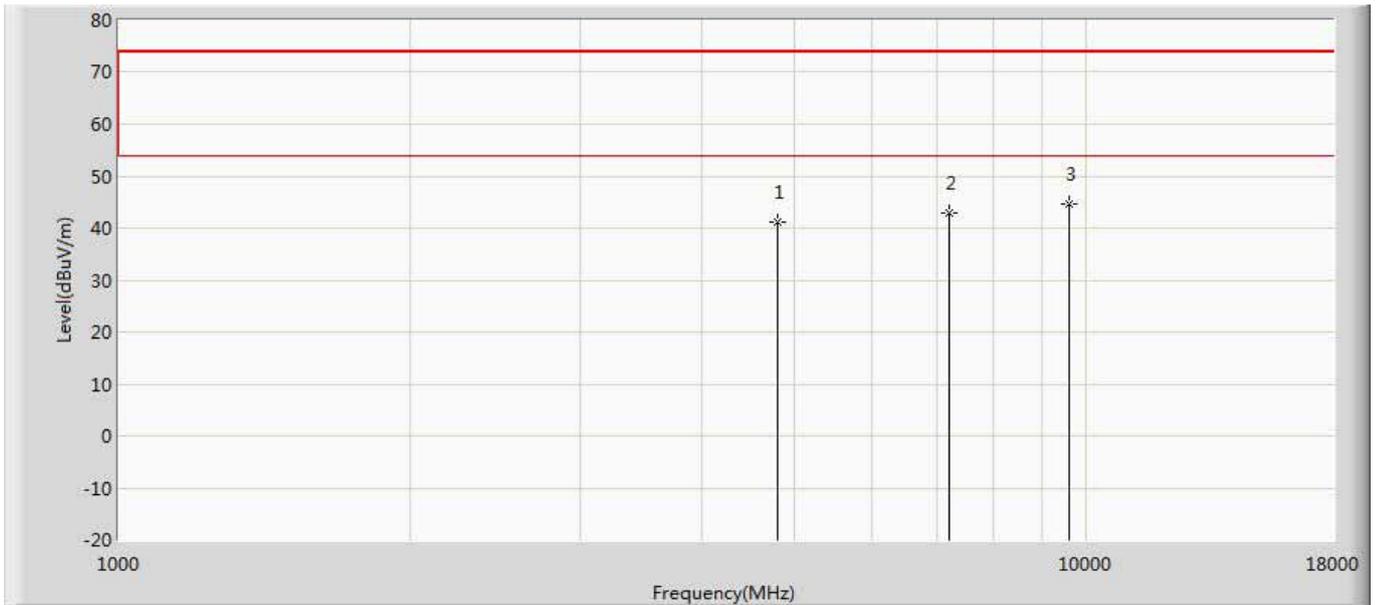
4.6. Test Result

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with left earphone	



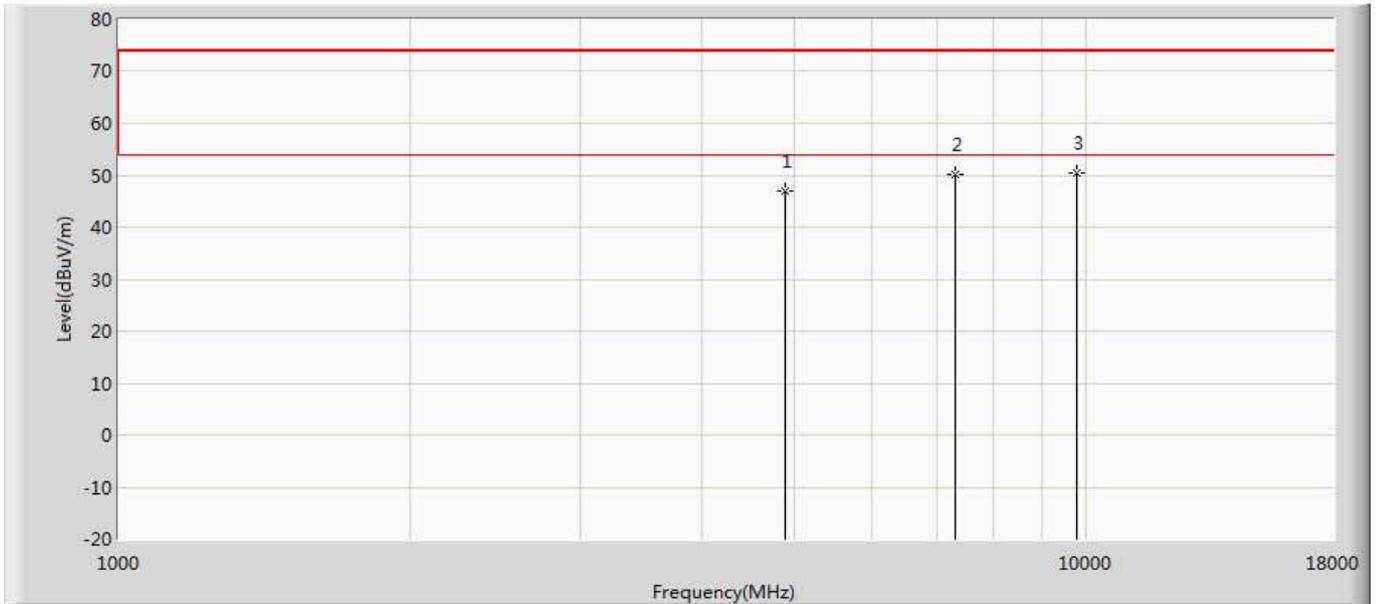
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.167	42.276	-32.833	74.000	-1.109	PK
2		7206.000	42.631	40.187	-31.369	74.000	2.445	PK
3	*	9608.000	44.161	38.024	-29.839	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with left earphone	



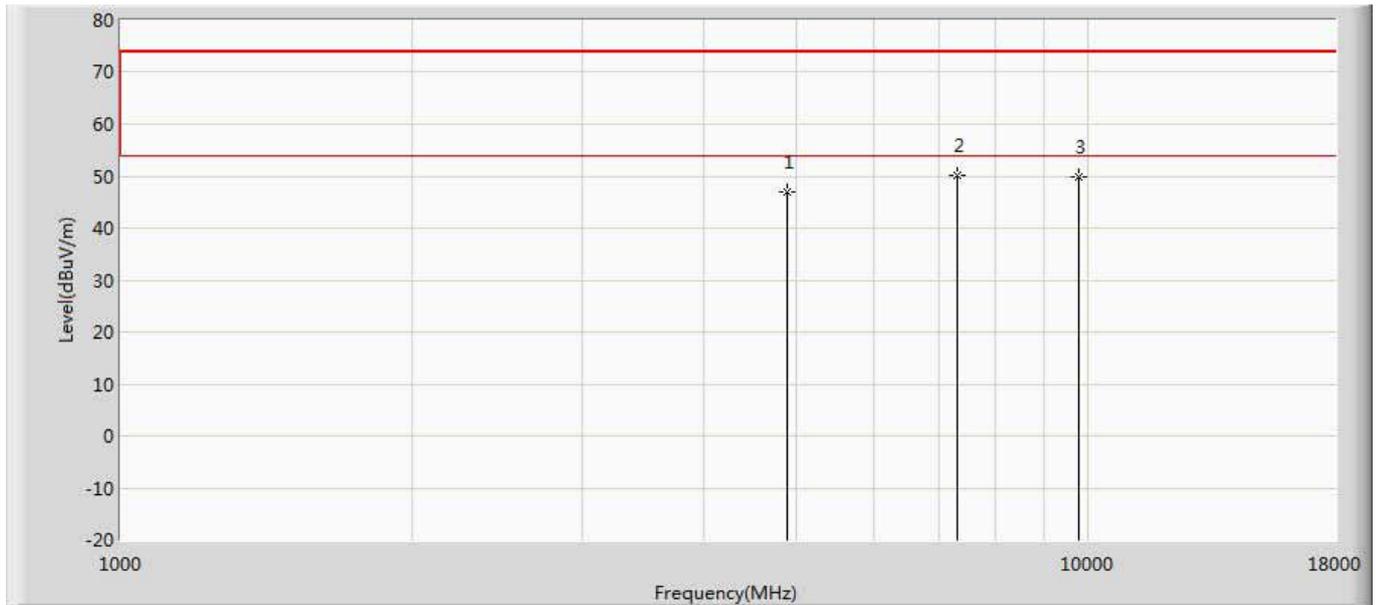
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.030	42.139	-32.970	74.000	-1.109	PK
2		7206.000	43.019	40.575	-30.981	74.000	2.445	PK
3	*	9608.000	44.630	38.493	-29.370	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2441MHz by 3DH5 with left earphone	



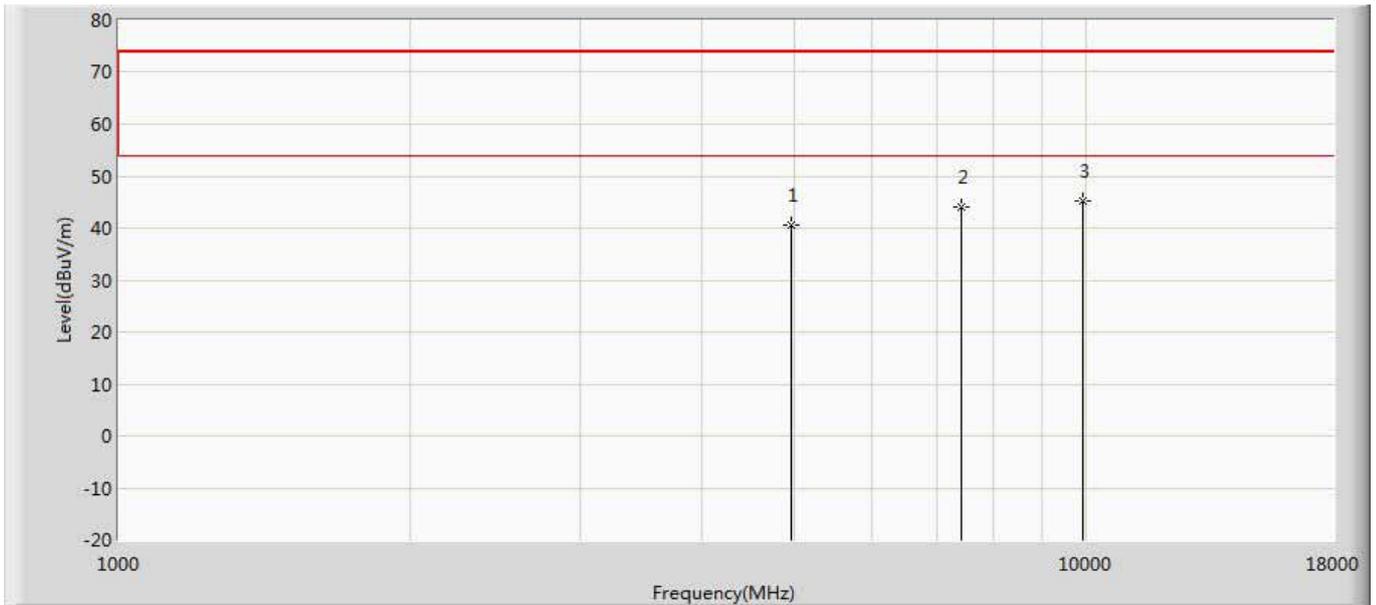
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	46.822	41.639	-27.178	74.000	5.183	PK
2		7323.000	50.145	40.830	-23.855	74.000	9.315	PK
3	*	9764.000	50.570	38.564	-23.430	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2441MHz by 3DH5 with left earphone	



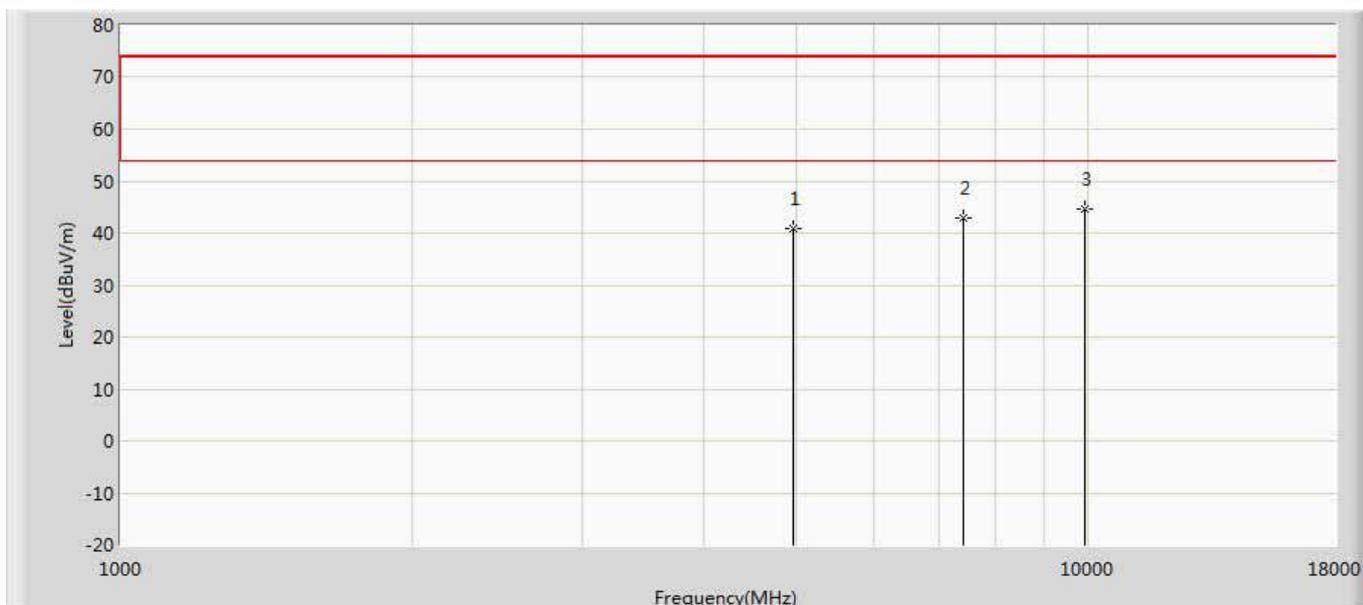
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	46.836	41.653	-27.164	74.000	5.183	PK
2	*	7323.000	50.090	40.775	-23.910	74.000	9.315	PK
3		9764.000	49.978	37.972	-24.022	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with left earphone	



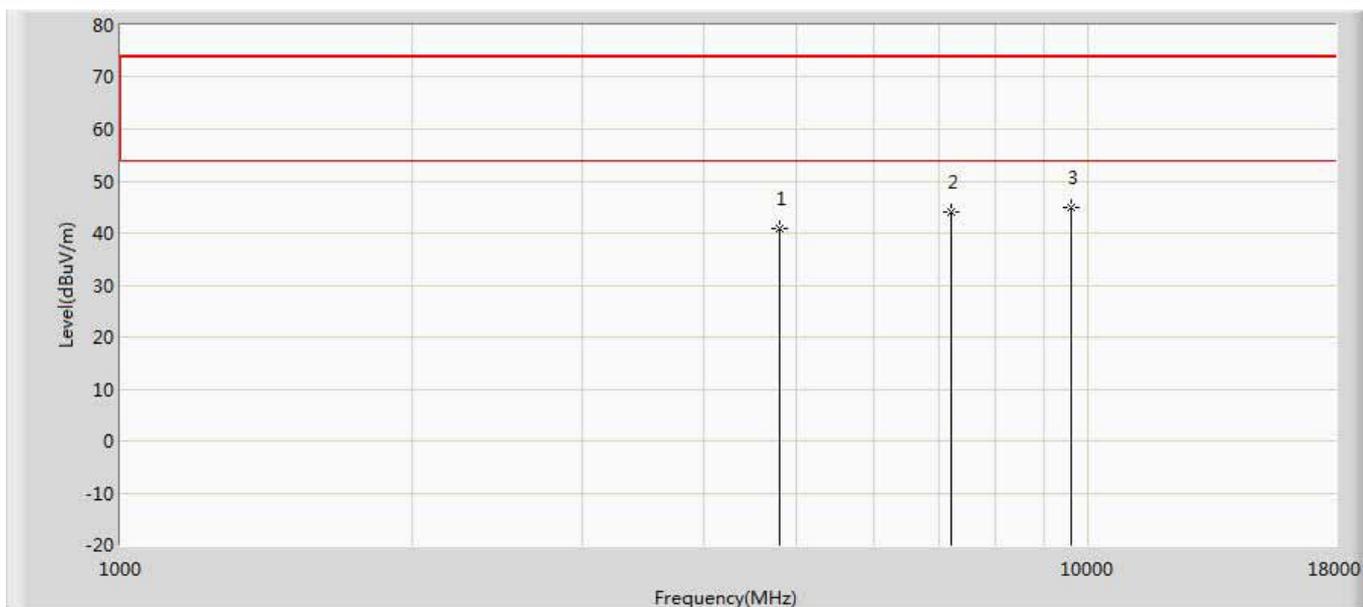
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.612	41.330	-33.388	74.000	-0.717	PK
2		7440.000	43.935	41.141	-30.065	74.000	2.794	PK
3	*	9920.000	45.126	38.710	-28.874	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with left earphone	



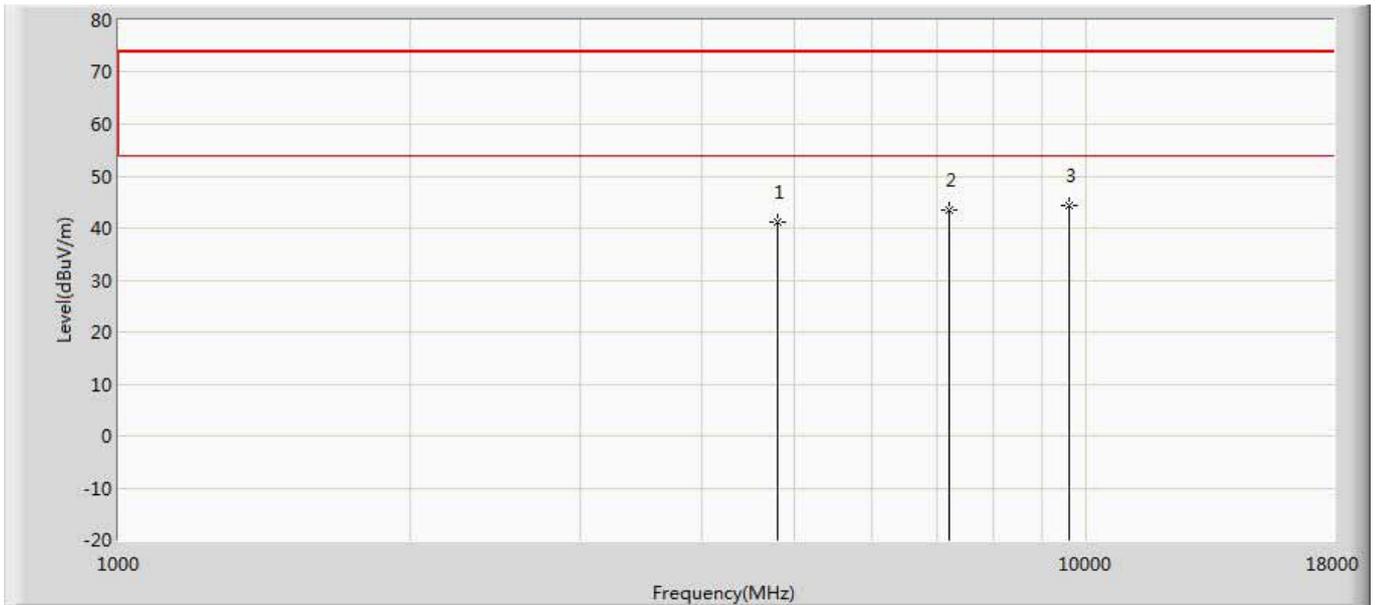
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.915	41.633	-33.085	74.000	-0.717	PK
2		7440.000	42.865	40.071	-31.135	74.000	2.794	PK
3	*	9920.000	44.661	38.245	-29.339	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with left earphone	



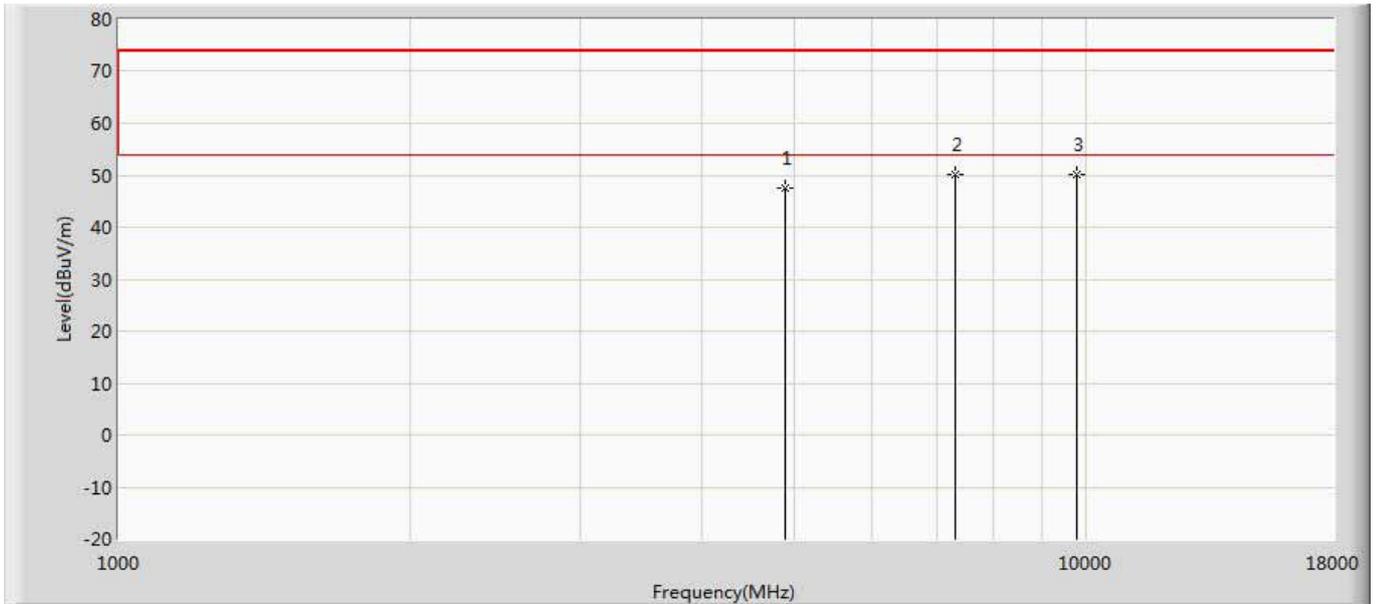
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.899	42.008	-33.101	74.000	-1.109	PK
2		7206.000	44.086	41.642	-29.914	74.000	2.445	PK
3	*	9608.000	44.788	38.651	-29.212	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with left earphone	



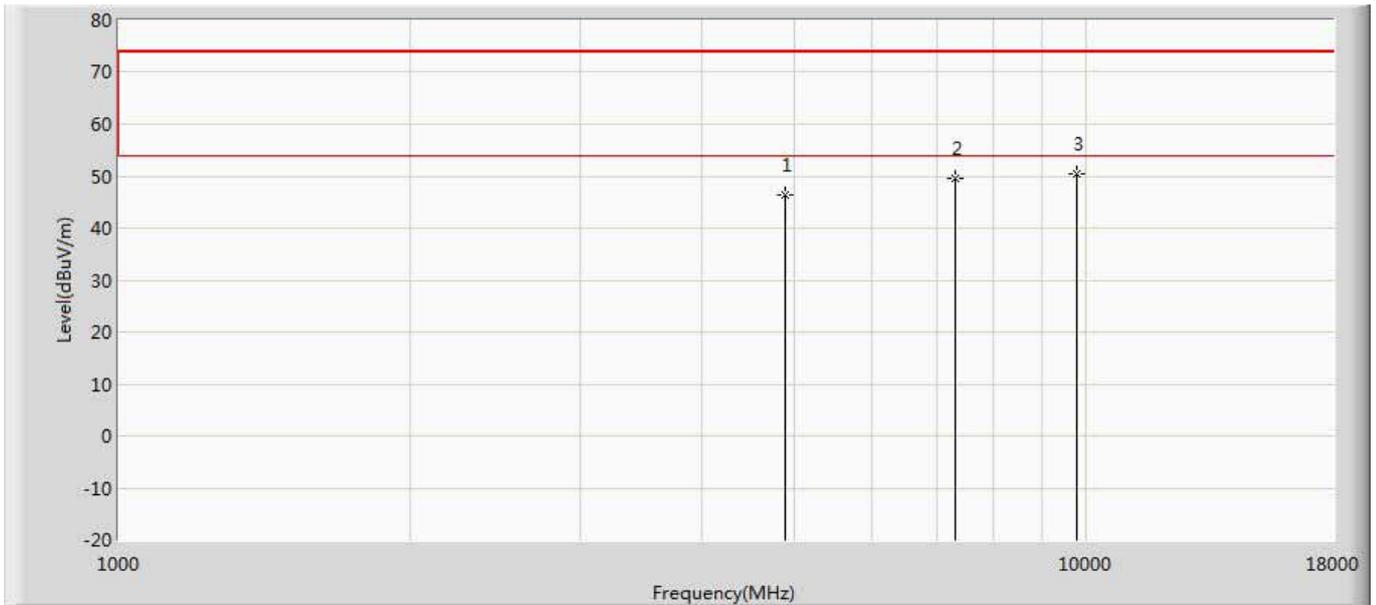
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.224	42.333	-32.776	74.000	-1.109	PK
2		7206.000	43.416	40.972	-30.584	74.000	2.445	PK
3	*	9608.000	44.271	38.134	-29.729	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2441MHz by 2DH5 with left earphone	



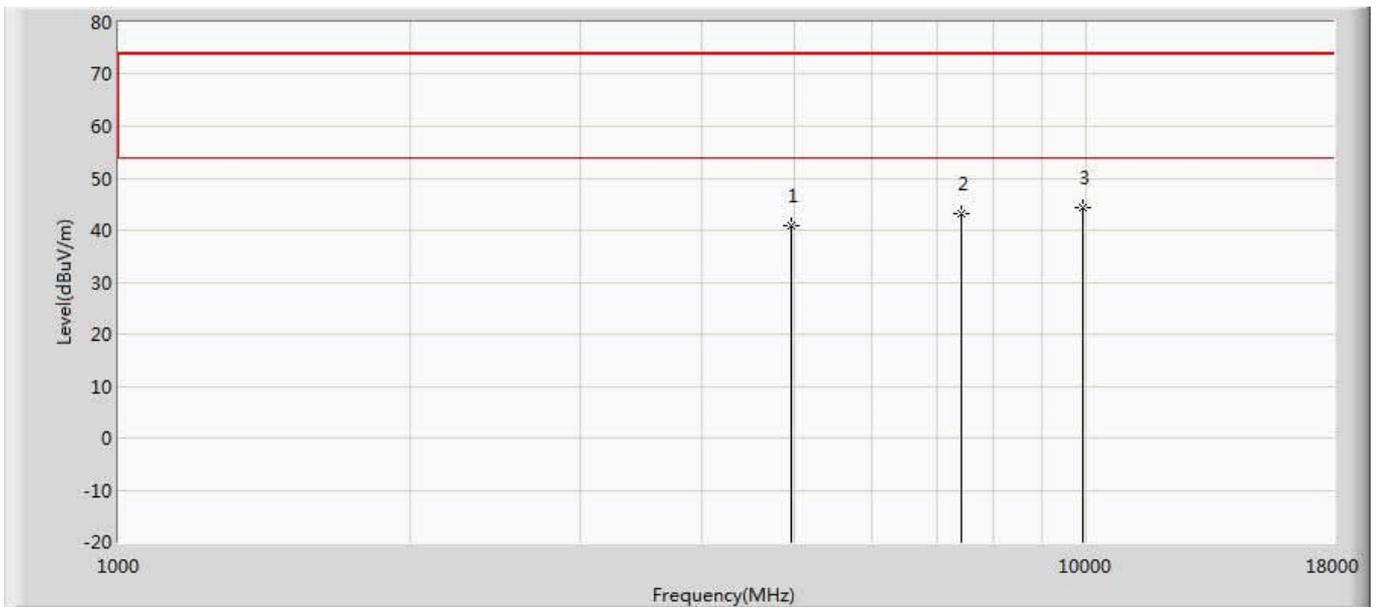
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	47.652	42.469	-26.348	74.000	5.183	PK
2	*	7323.000	50.243	40.928	-23.757	74.000	9.315	PK
3		9764.000	50.084	38.078	-23.916	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2441MHz by 2DH5 with left earphone	



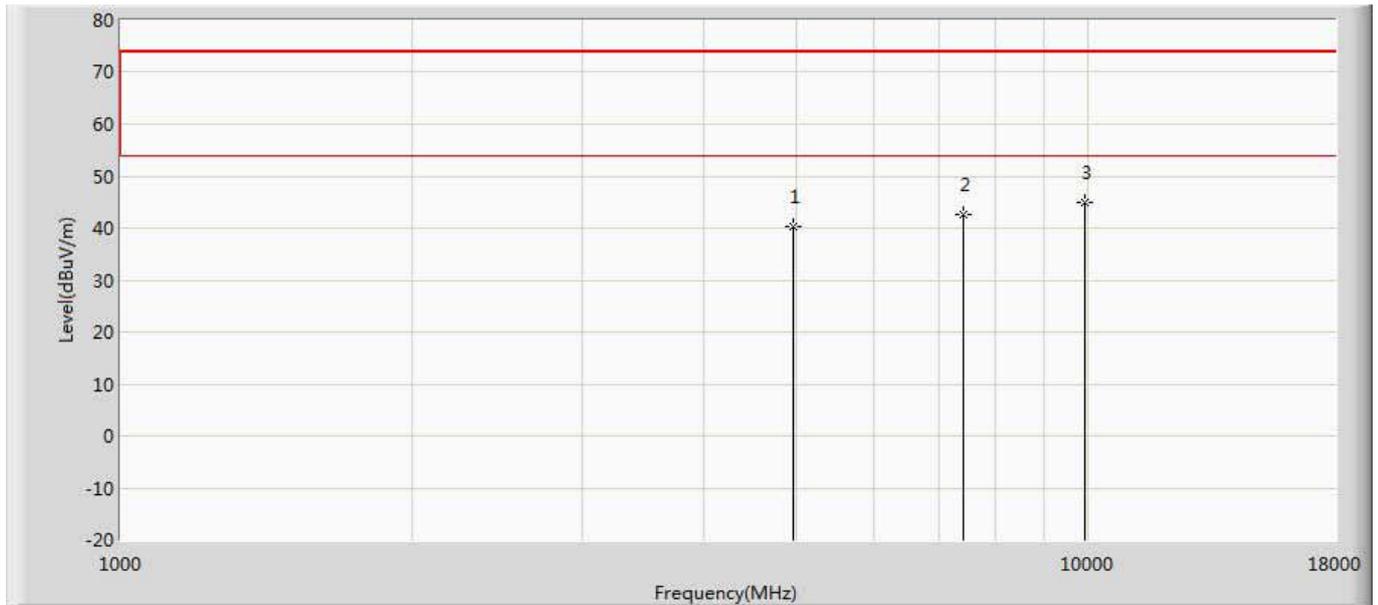
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	46.343	41.160	-27.657	74.000	5.183	PK
2		7323.000	49.669	40.354	-24.331	74.000	9.315	PK
3	*	9764.000	50.474	38.468	-23.526	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with left earphone	



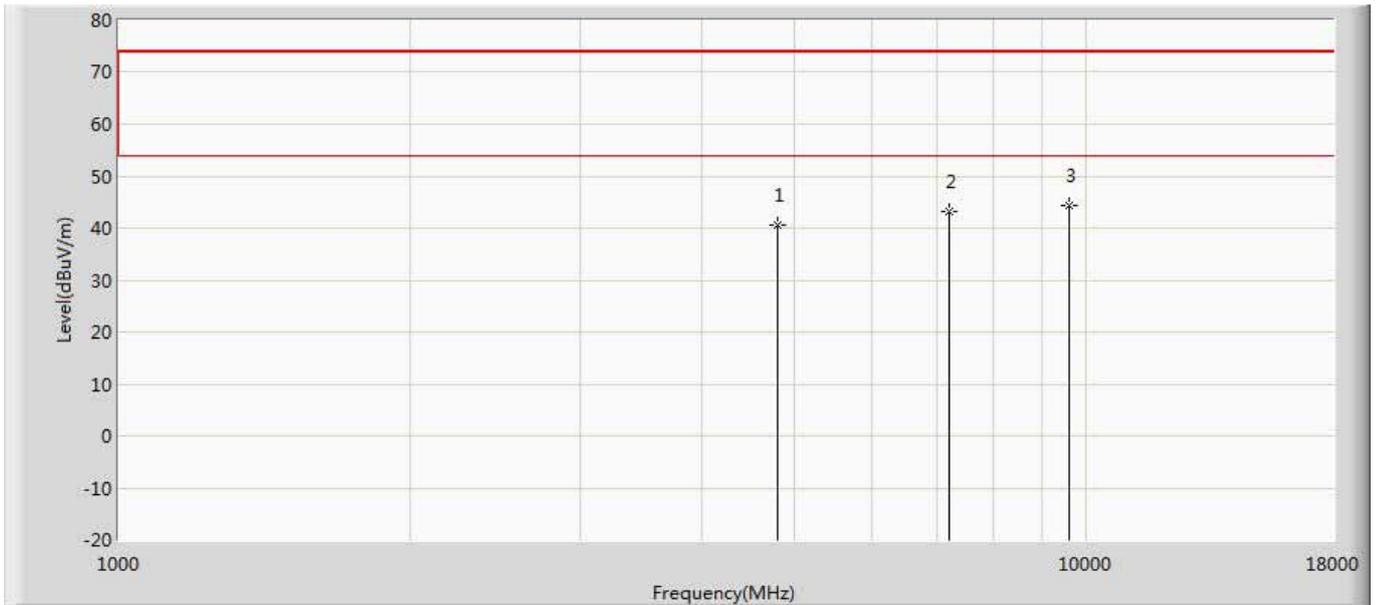
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.839	41.557	-33.161	74.000	-0.717	PK
2		7440.000	43.244	40.450	-30.756	74.000	2.794	PK
3	*	9920.000	44.270	37.854	-29.730	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with left earphone	



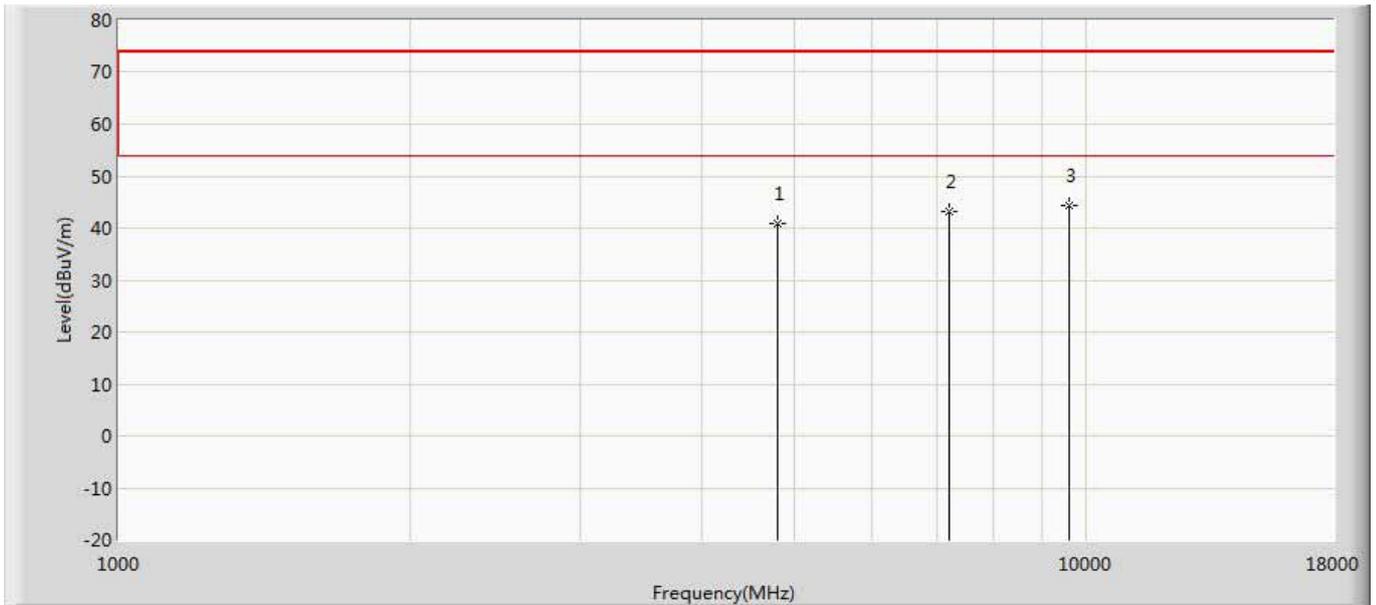
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.342	41.060	-33.658	74.000	-0.717	PK
2		7440.000	42.707	39.913	-31.293	74.000	2.794	PK
3	*	9920.000	44.944	38.528	-29.056	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with left earphone	



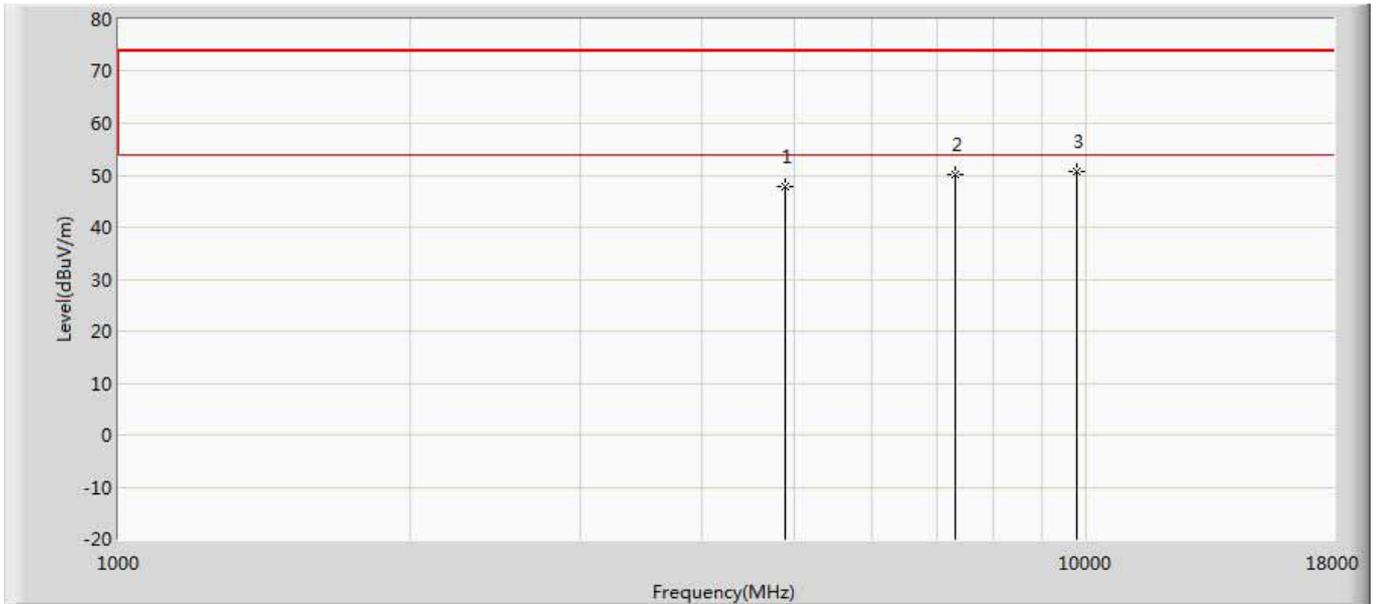
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.679	41.788	-33.321	74.000	-1.109	PK
2		7206.000	43.111	40.667	-30.889	74.000	2.445	PK
3	*	9608.000	44.420	38.283	-29.580	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with left earphone	



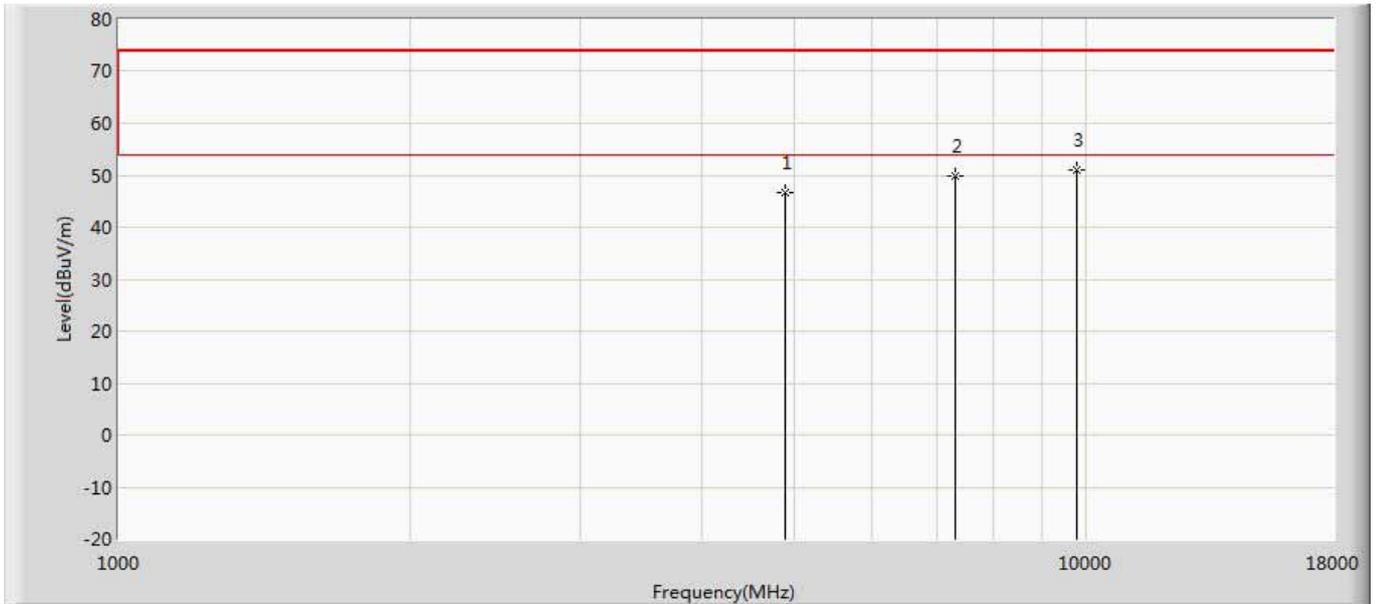
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.822	41.931	-33.178	74.000	-1.109	PK
2		7206.000	43.098	40.654	-30.902	74.000	2.445	PK
3	*	9608.000	44.359	38.222	-29.641	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2441MHz by DH5 with left earphone	



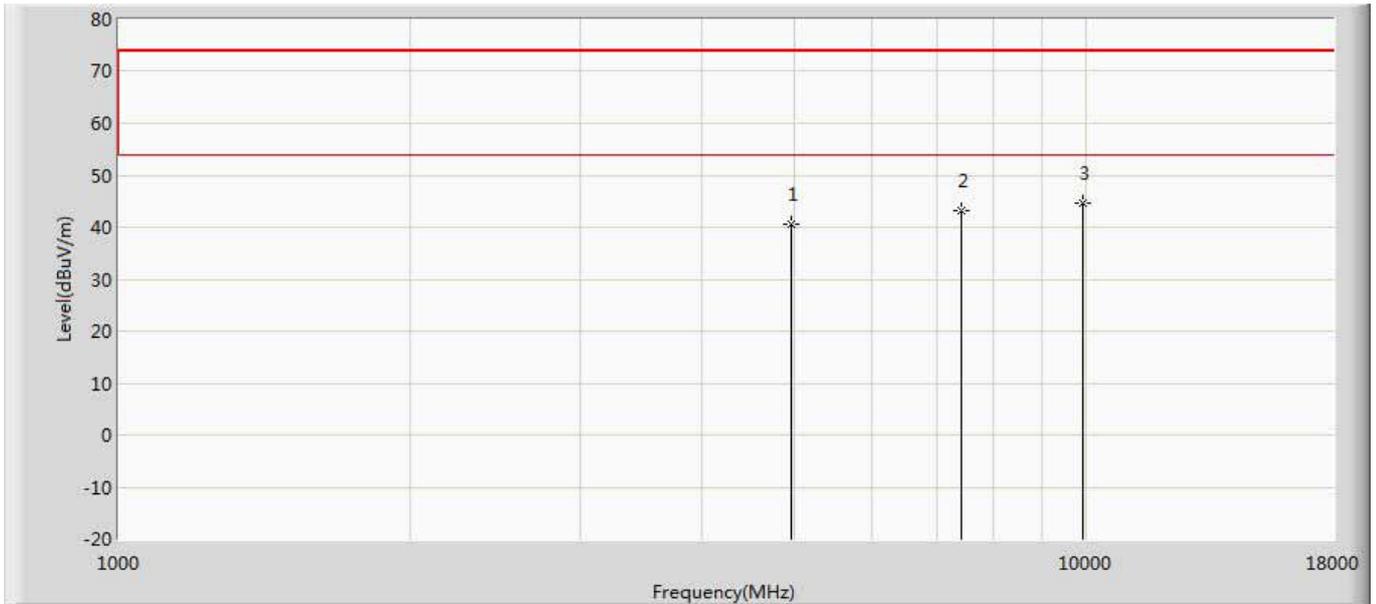
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	47.882	42.699	-26.118	74.000	5.183	PK
2		7323.000	50.097	40.782	-23.903	74.000	9.315	PK
3	*	9764.000	50.765	38.759	-23.235	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2441MHz by DH5 with left earphone	



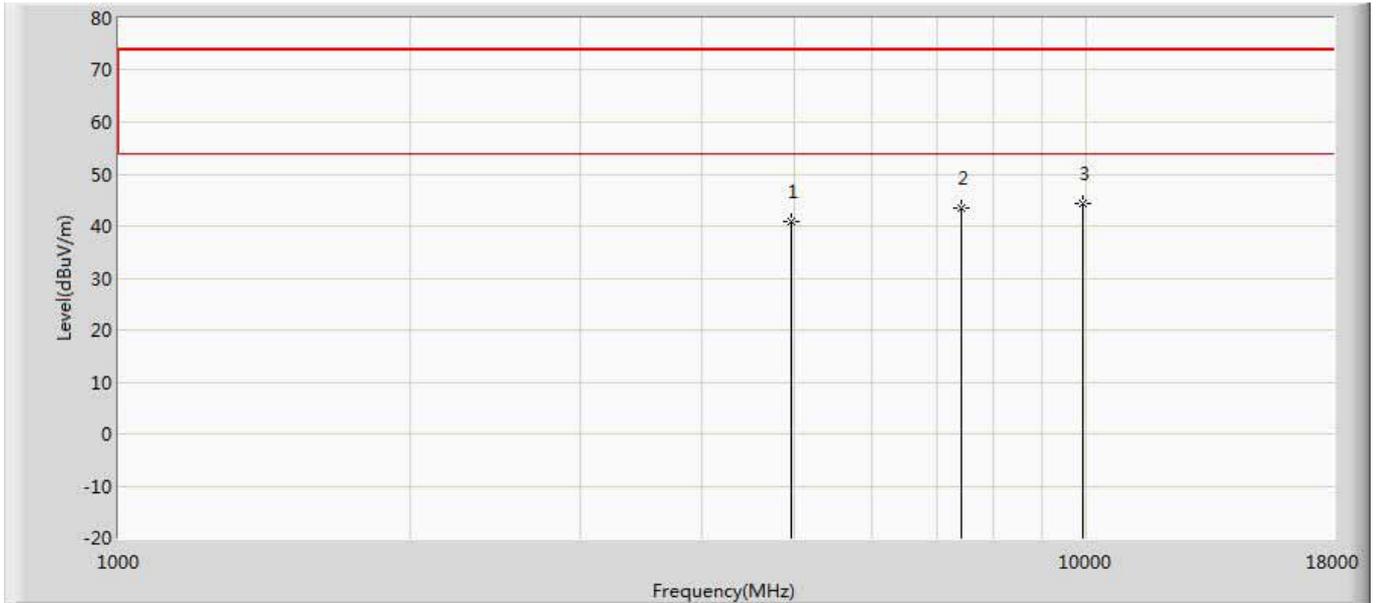
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	46.782	41.599	-27.218	74.000	5.183	PK
2		7323.000	49.859	40.544	-24.141	74.000	9.315	PK
3	*	9764.000	51.058	39.052	-22.942	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with left earphone	



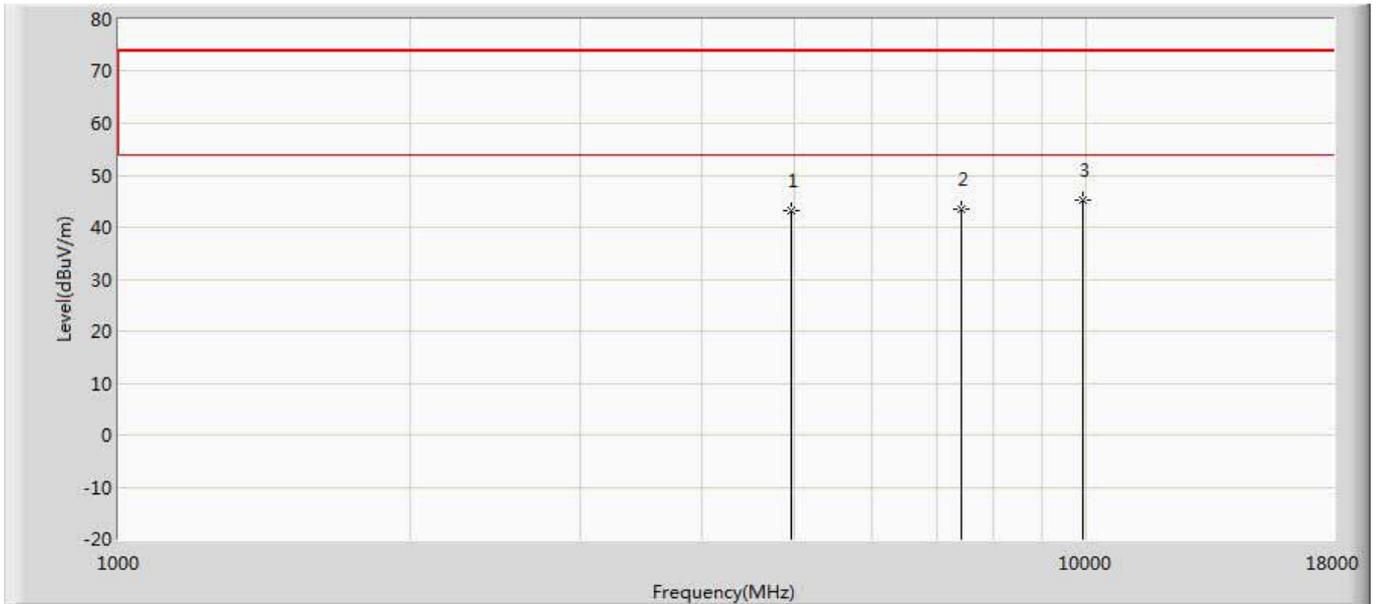
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.662	41.380	-33.338	74.000	-0.717	PK
2		7440.000	43.132	40.338	-30.868	74.000	2.794	PK
3	*	9920.000	44.631	38.215	-29.369	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with left earphone	



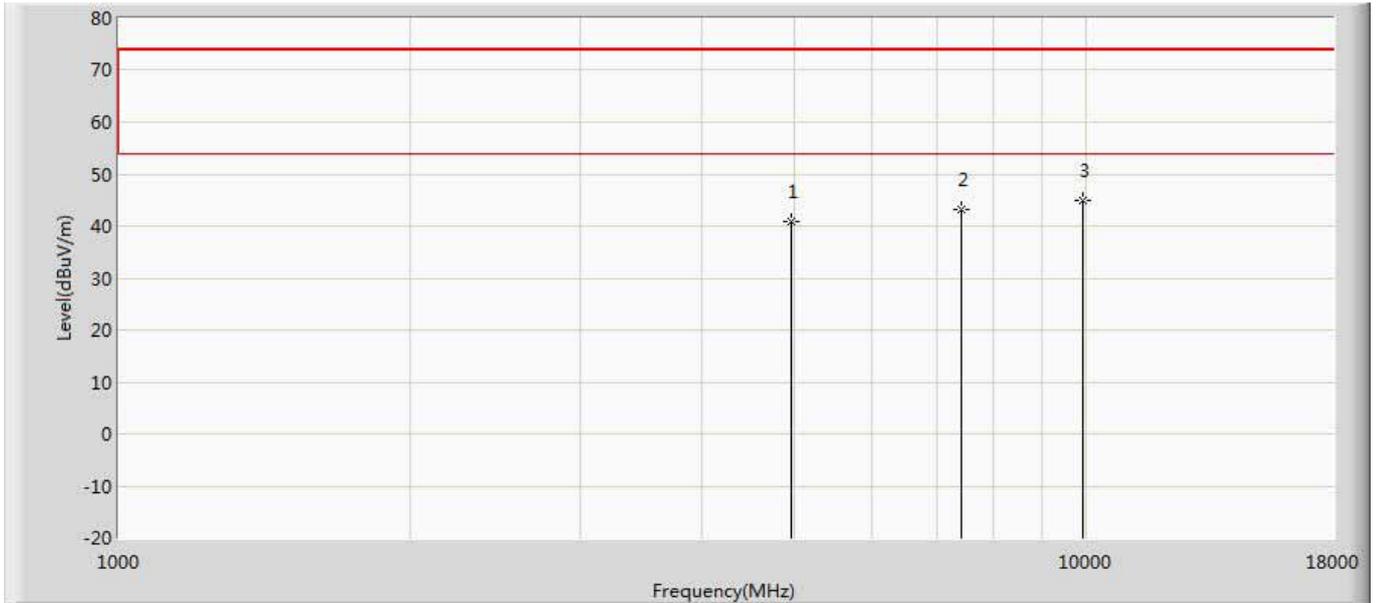
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.923	41.641	-33.077	74.000	-0.717	PK
2		7440.000	43.338	40.544	-30.662	74.000	2.794	PK
3	*	9920.000	44.408	37.992	-29.592	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with right earphone	



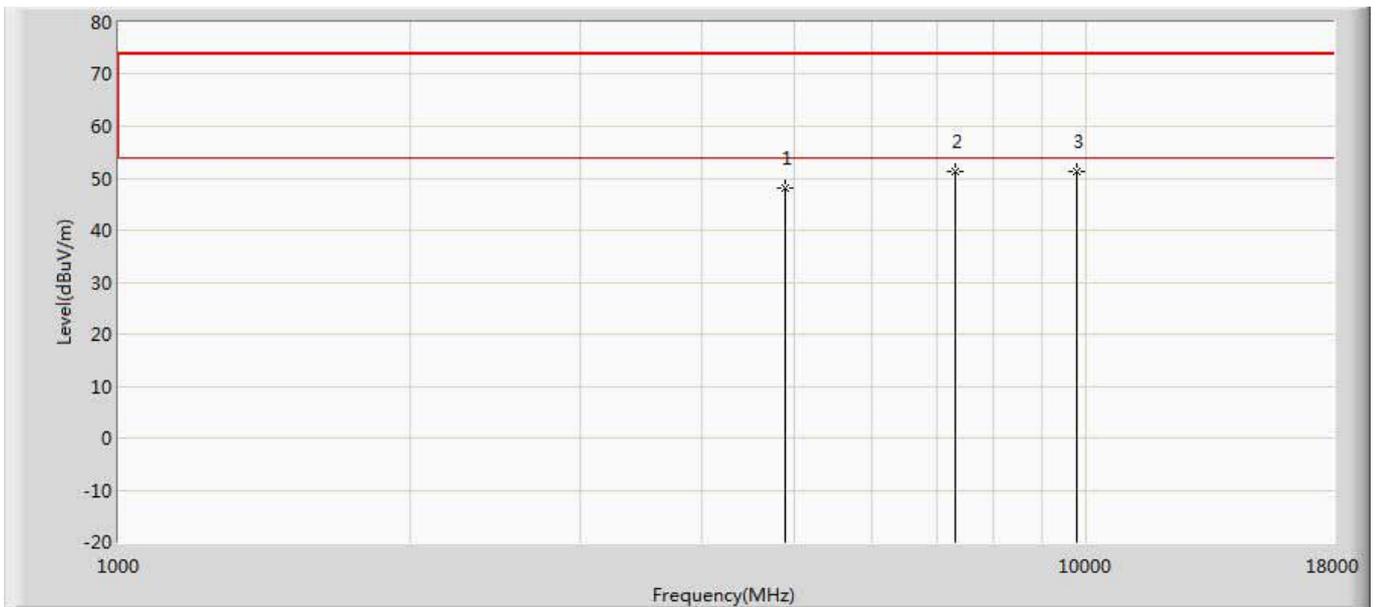
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	43.190	43.908	-30.810	74.000	-0.717	PK
2		7440.000	43.571	40.777	-30.429	74.000	2.794	PK
3	*	9920.000	45.149	38.733	-28.851	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with right earphone	



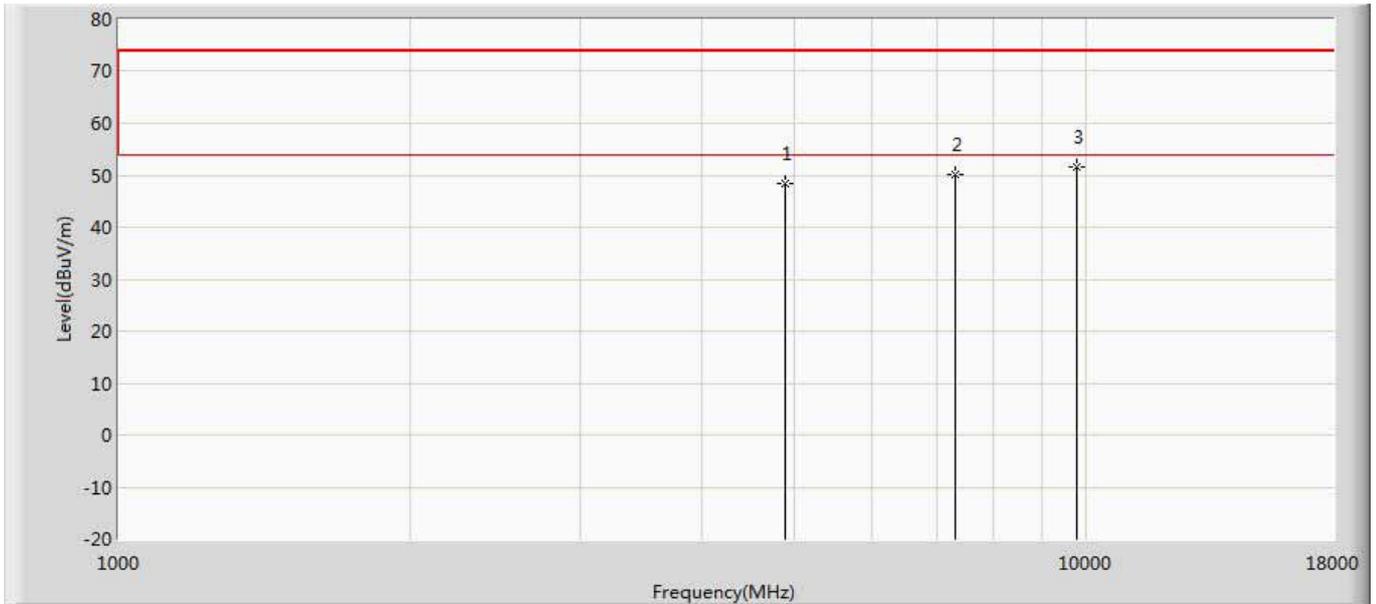
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.842	41.560	-33.158	74.000	-0.717	PK
2		7440.000	43.232	40.438	-30.768	74.000	2.794	PK
3	*	9920.000	44.844	38.428	-29.156	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1: Transmit at 2441MHz by DH5 with right earphone	



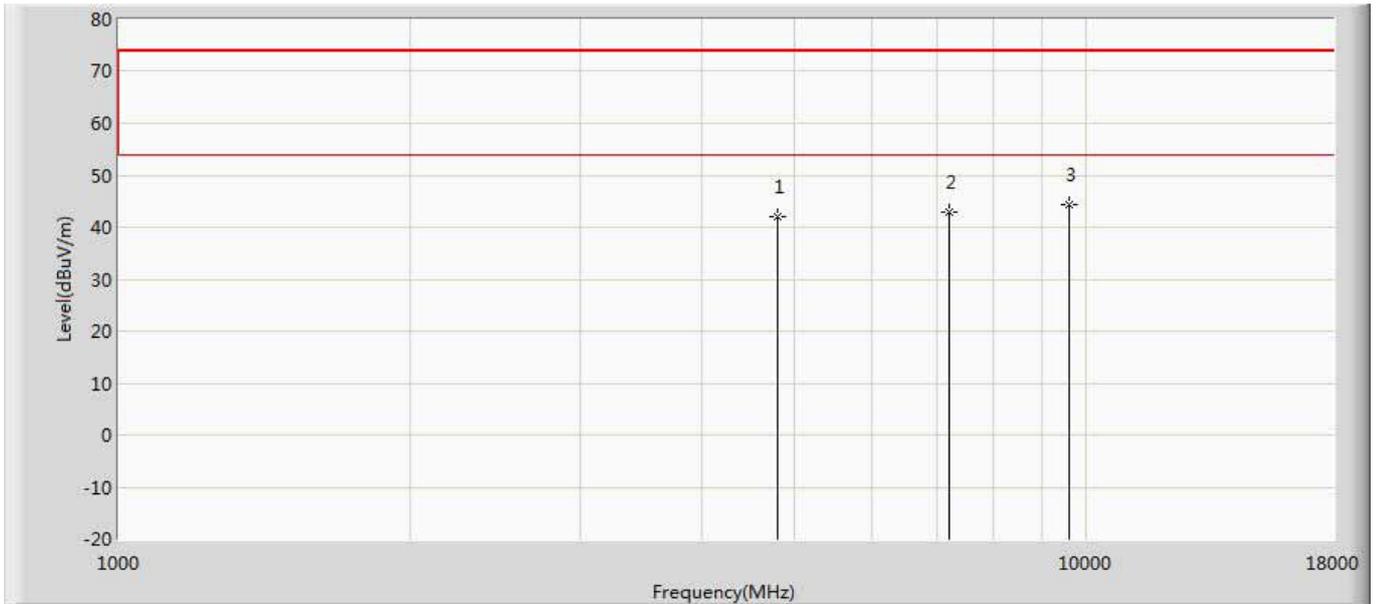
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	48.010	42.827	-25.990	74.000	5.183	PK
2	*	7323.000	51.186	41.871	-22.814	74.000	9.315	PK
3		9764.000	51.178	39.172	-22.822	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2441MHz by DH5 with right earphone	



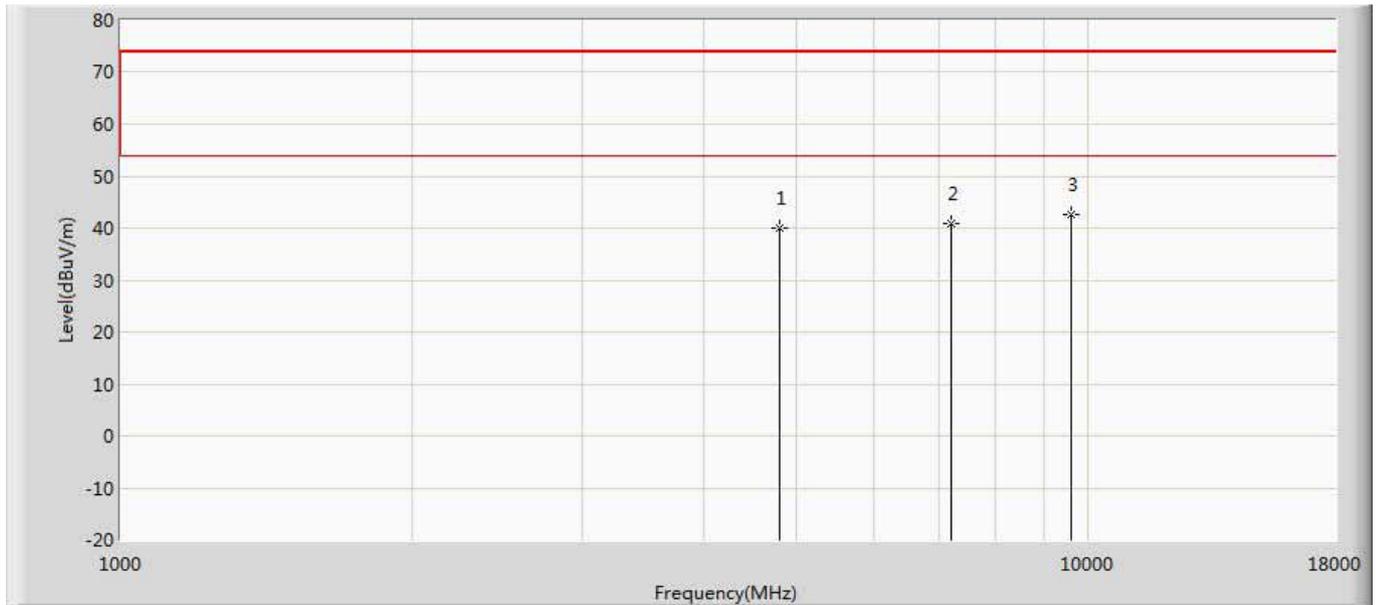
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	48.282	43.099	-25.718	74.000	5.183	PK
2		7323.000	50.006	40.691	-23.994	74.000	9.315	PK
3	*	9764.000	51.559	39.553	-22.441	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with right earphone	



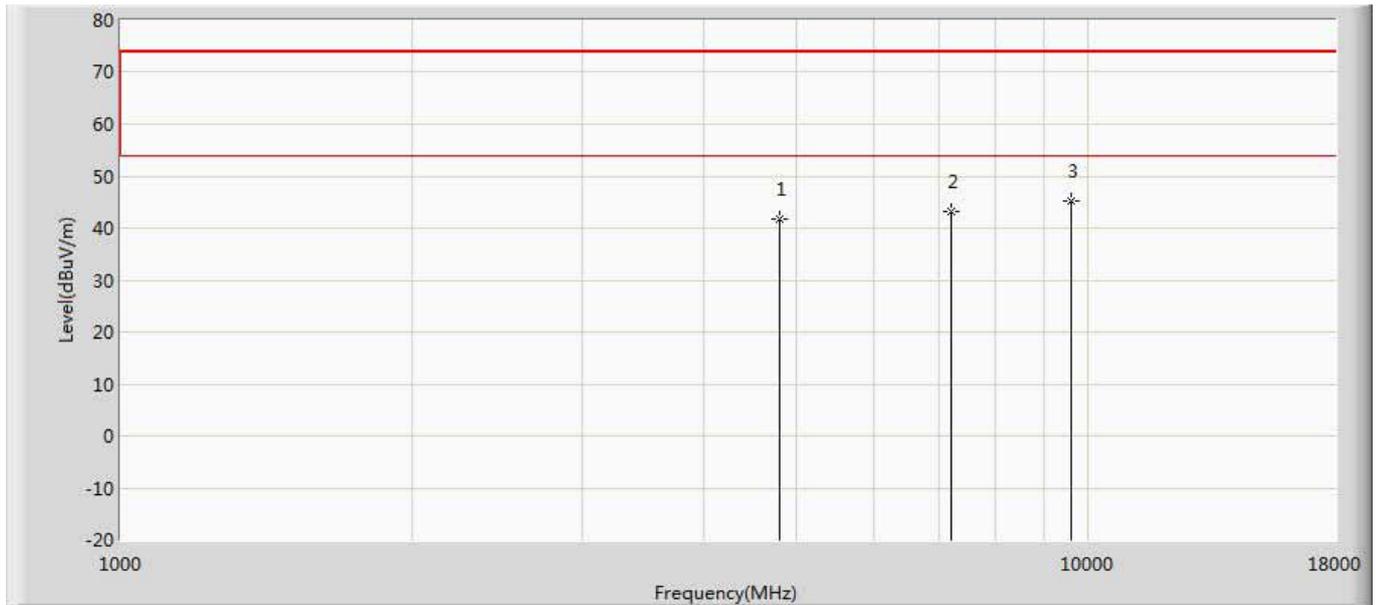
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.911	43.020	-32.089	74.000	-1.109	PK
2		7206.000	42.984	40.540	-31.016	74.000	2.445	PK
3	*	9608.000	44.376	38.239	-29.624	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with right earphone	



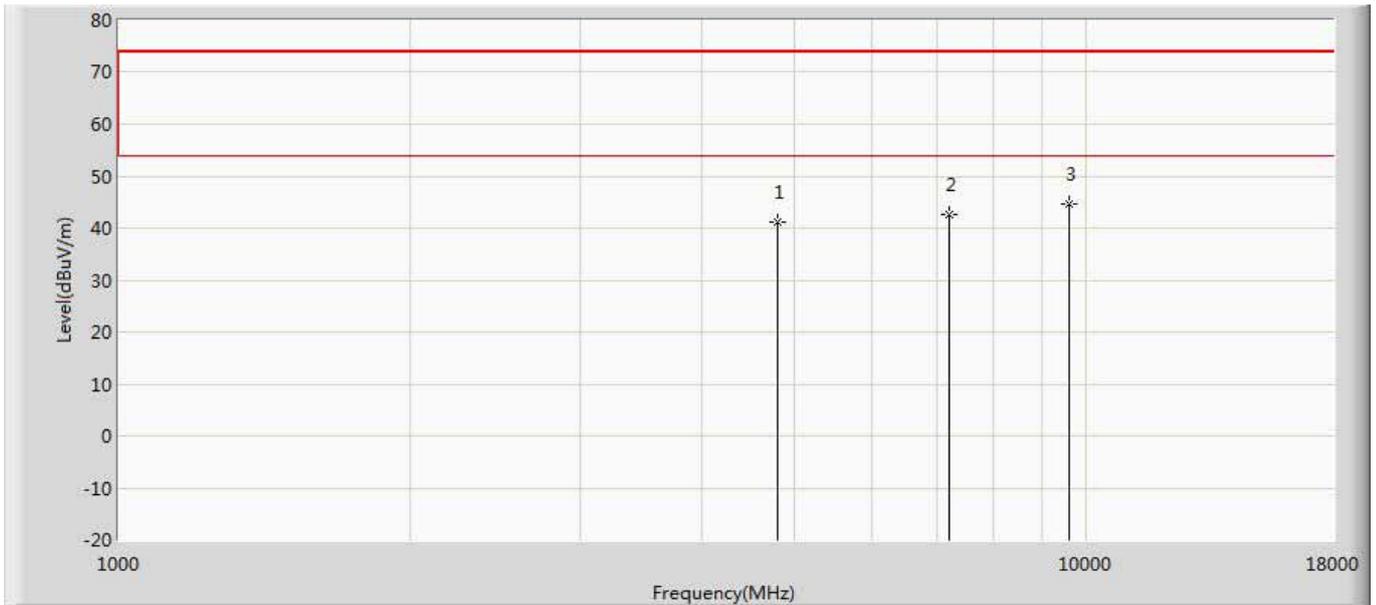
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.045	41.154	-33.955	74.000	-1.109	PK
2		7206.000	40.898	38.454	-33.102	74.000	2.445	PK
3	*	9608.000	42.507	36.370	-31.493	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with right earphone	



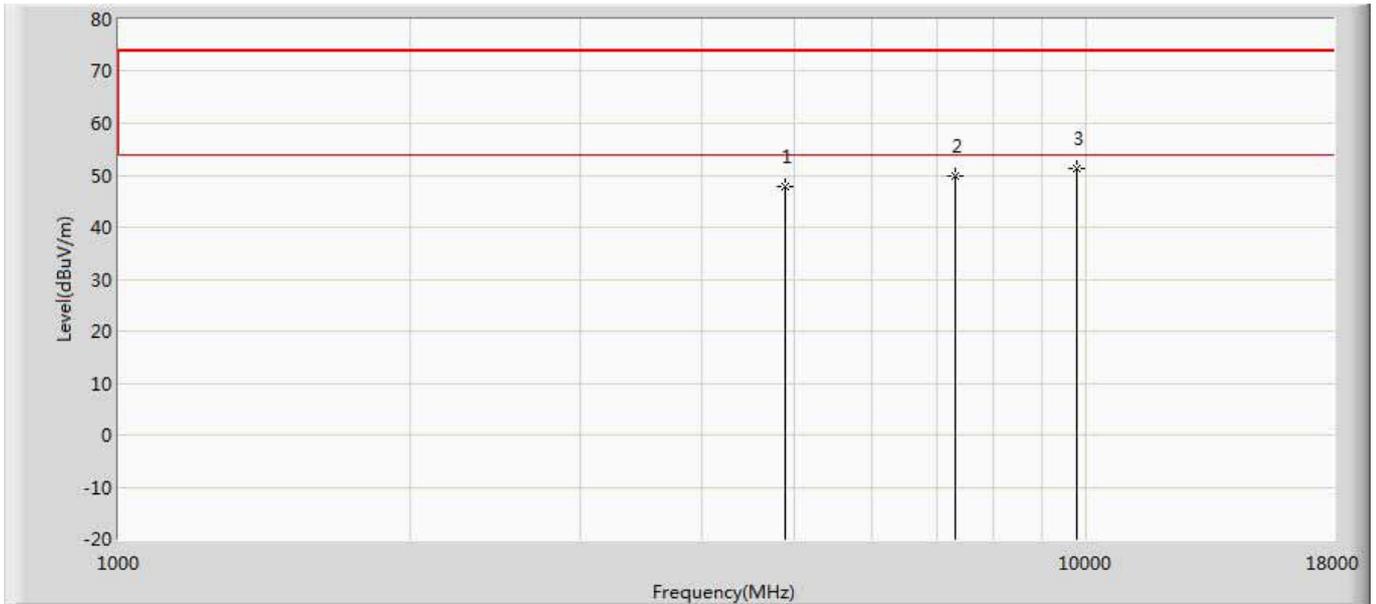
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.742	42.851	-32.258	74.000	-1.109	PK
2		7206.000	43.046	40.602	-30.954	74.000	2.445	PK
3	*	9608.000	45.264	39.127	-28.736	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with right earphone	



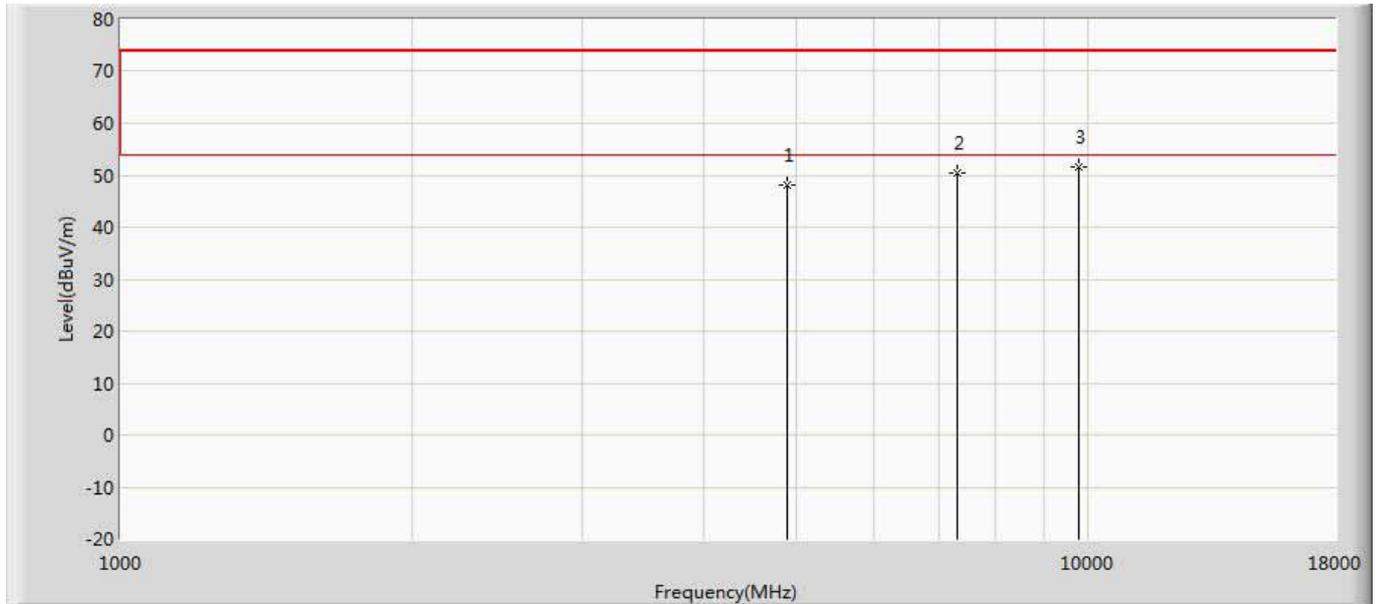
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.049	42.158	-32.951	74.000	-1.109	PK
2		7206.000	42.610	40.166	-31.390	74.000	2.445	PK
3	*	9608.000	44.679	38.542	-29.321	74.000	6.136	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2441MHz by 2DH5 with right earphone	



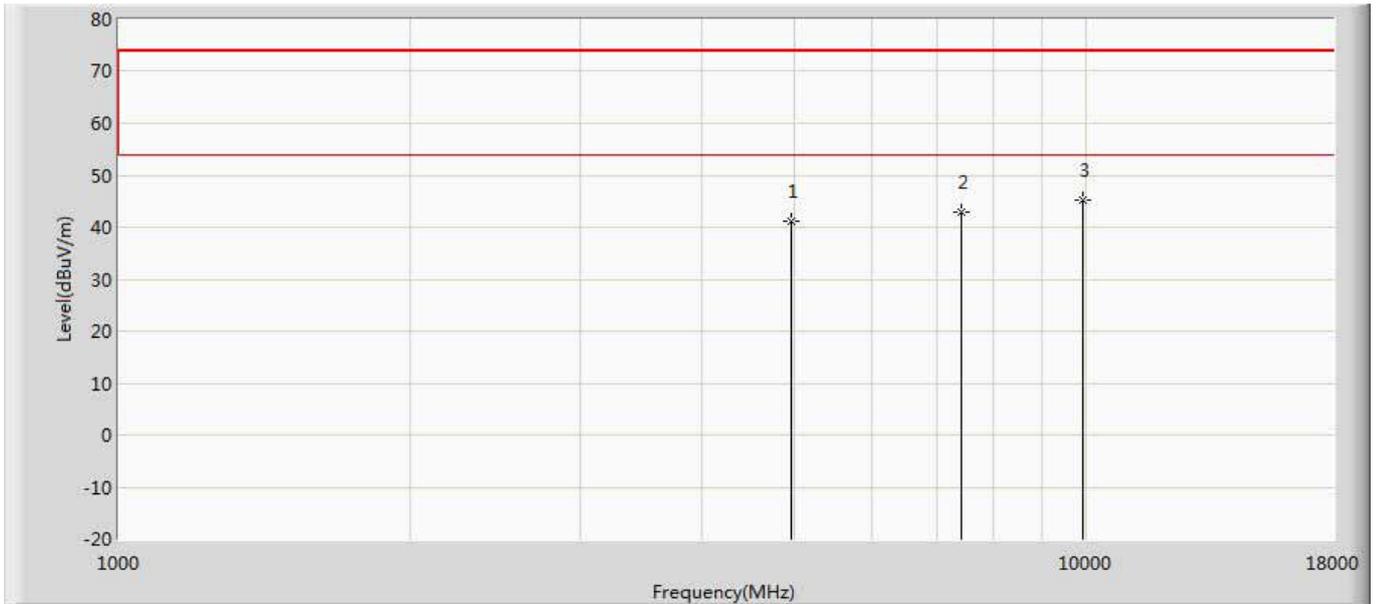
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	47.779	42.596	-26.221	74.000	5.183	PK
2		7323.000	49.958	40.643	-24.042	74.000	9.315	PK
3	*	9764.000	51.379	39.373	-22.621	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2441MHz by 2DH5 with right earphone	



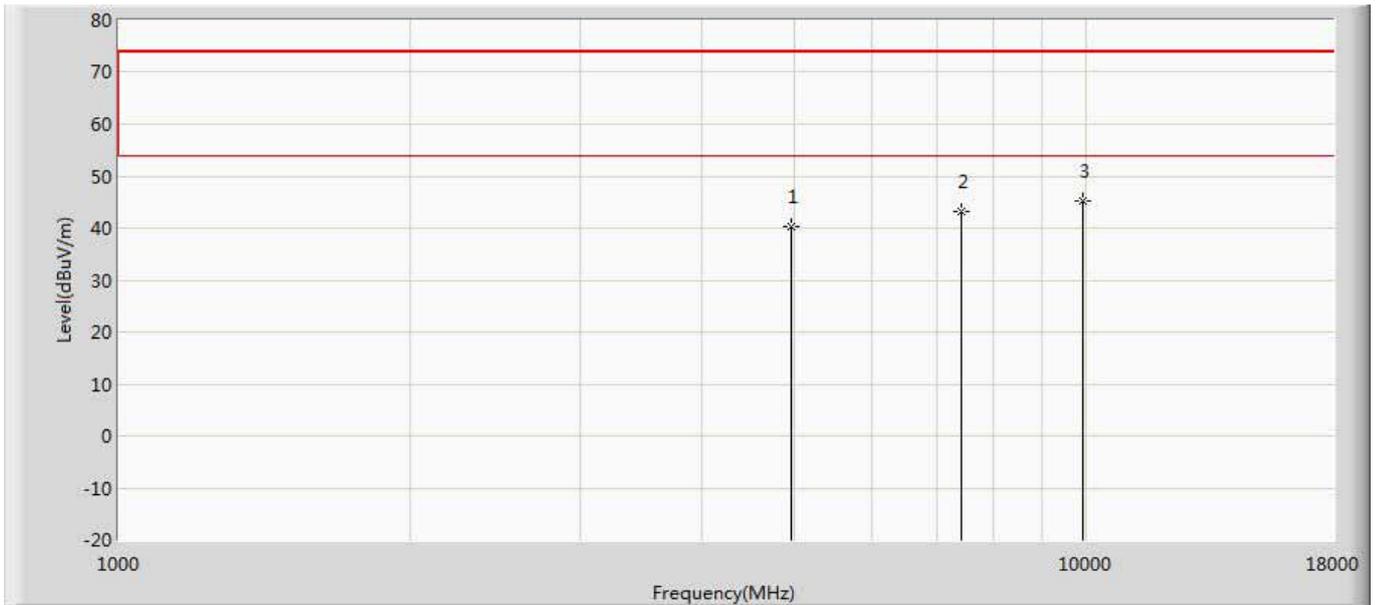
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	48.137	42.954	-25.863	74.000	5.183	PK
2		7323.000	50.410	41.095	-23.590	74.000	9.315	PK
3	*	9764.000	51.644	39.638	-22.356	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with right earphone	



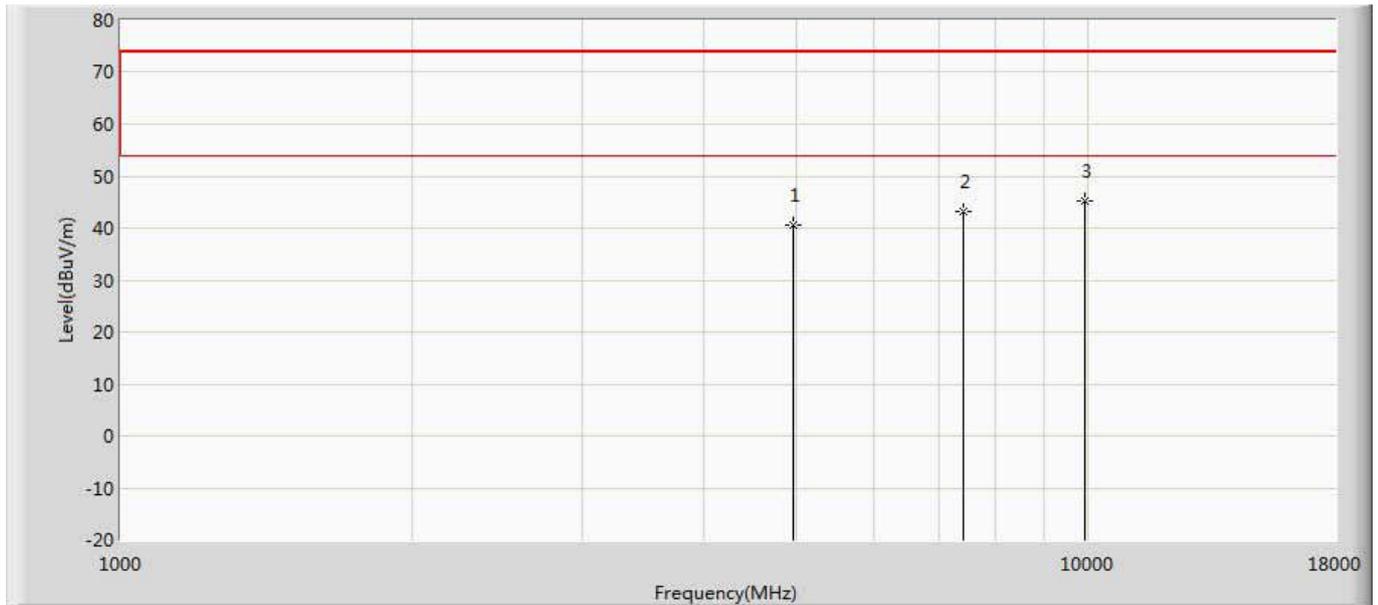
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.111	41.829	-32.889	74.000	-0.717	PK
2		7440.000	42.782	39.988	-31.218	74.000	2.794	PK
3	*	9920.000	45.194	38.778	-28.806	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with right earphone	



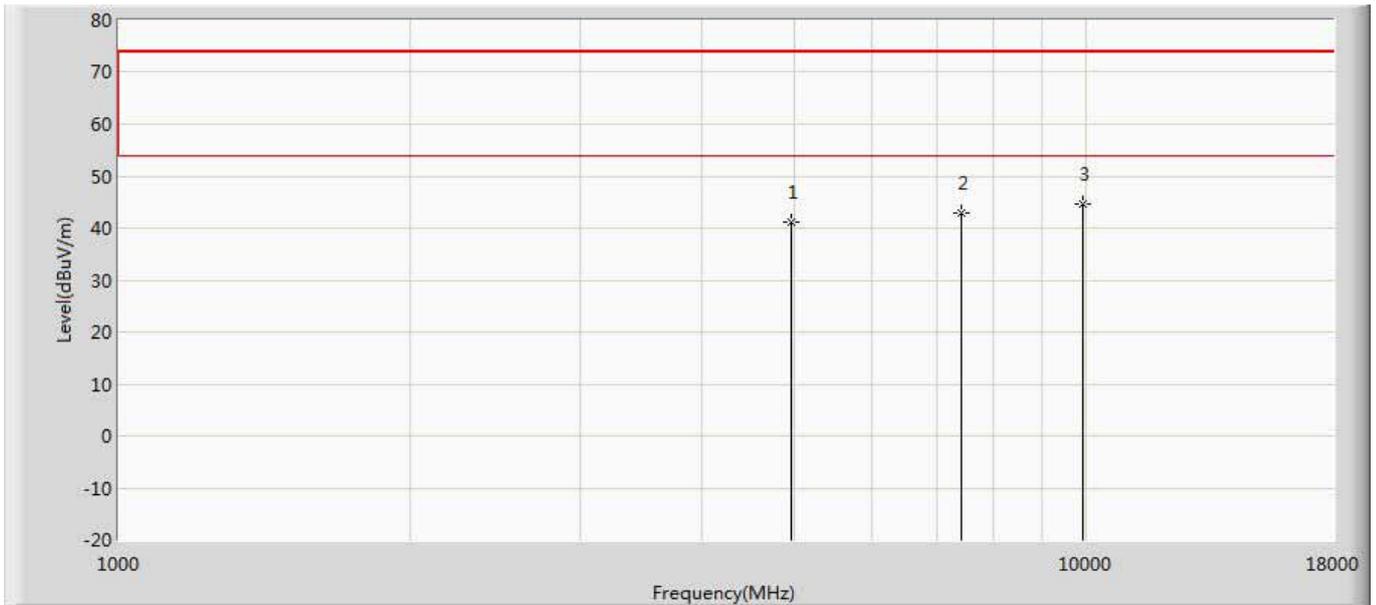
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.291	41.009	-33.709	74.000	-0.717	PK
2		7440.000	43.226	40.432	-30.774	74.000	2.794	PK
3	*	9920.000	45.278	38.862	-28.722	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with right earphone	



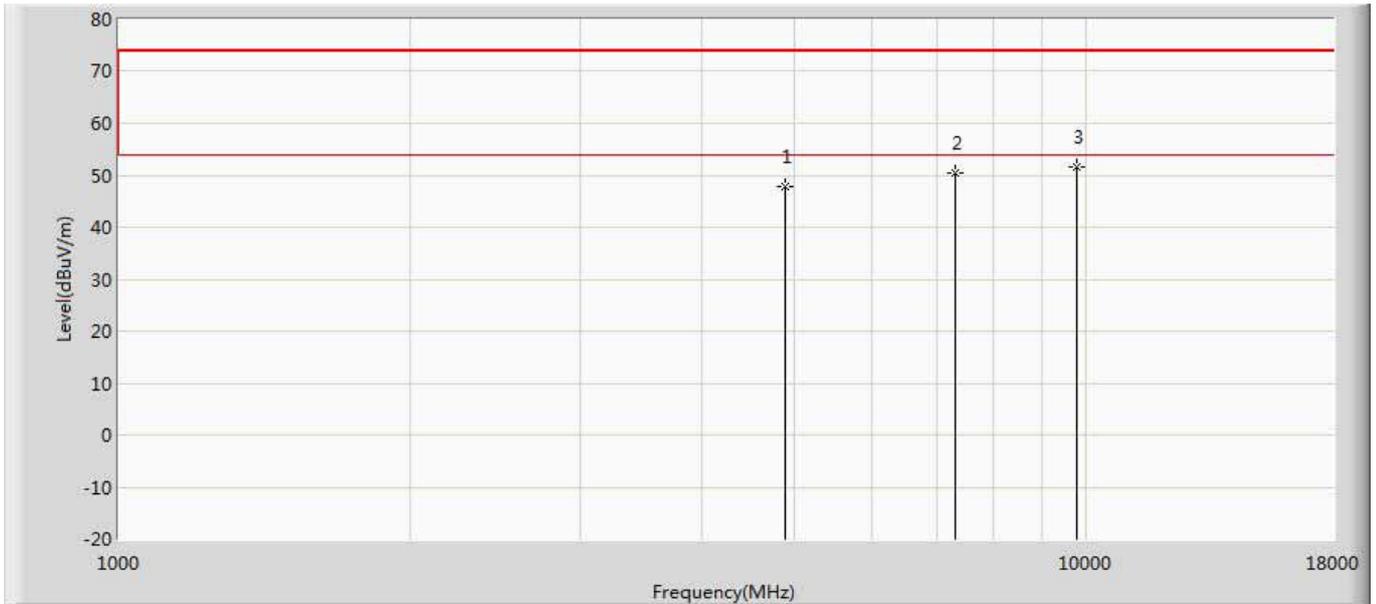
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.548	41.266	-33.452	74.000	-0.717	PK
2		7440.000	43.135	40.341	-30.865	74.000	2.794	PK
3	*	9920.000	45.135	38.719	-28.865	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with right earphone	



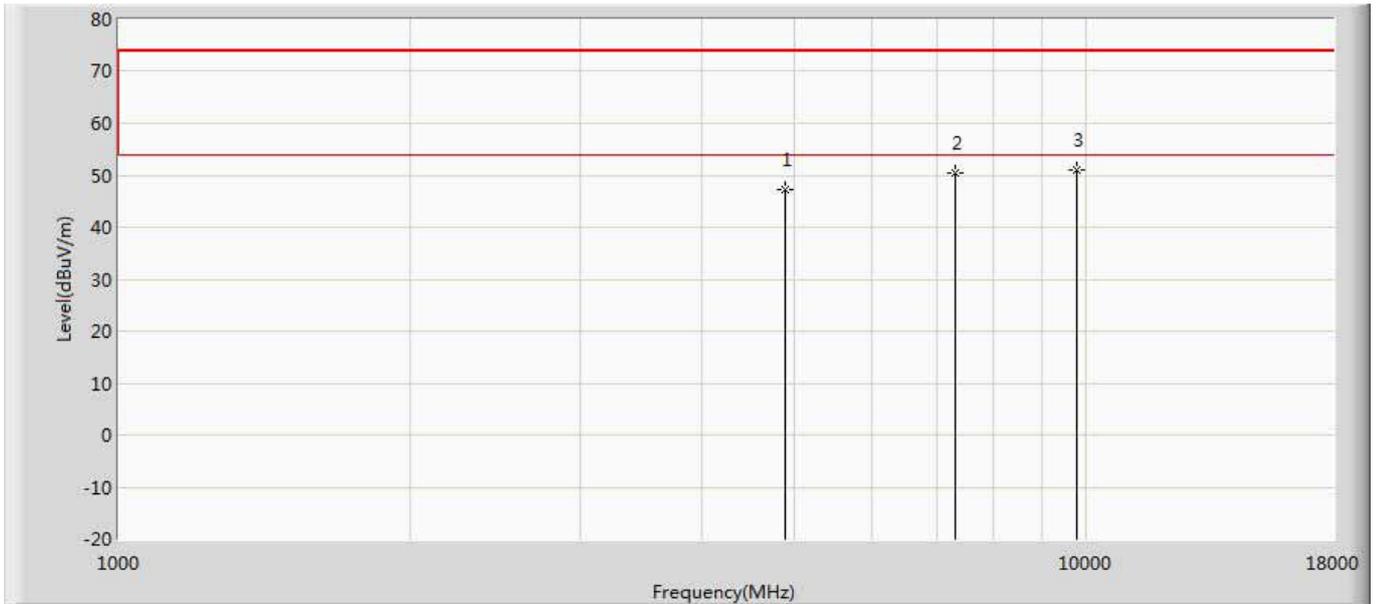
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	41.029	41.747	-32.971	74.000	-0.717	PK
2		7440.000	43.027	40.233	-30.973	74.000	2.794	PK
3	*	9920.000	44.606	38.190	-29.394	74.000	6.416	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2441MHz by 3DH5 with right earphone	



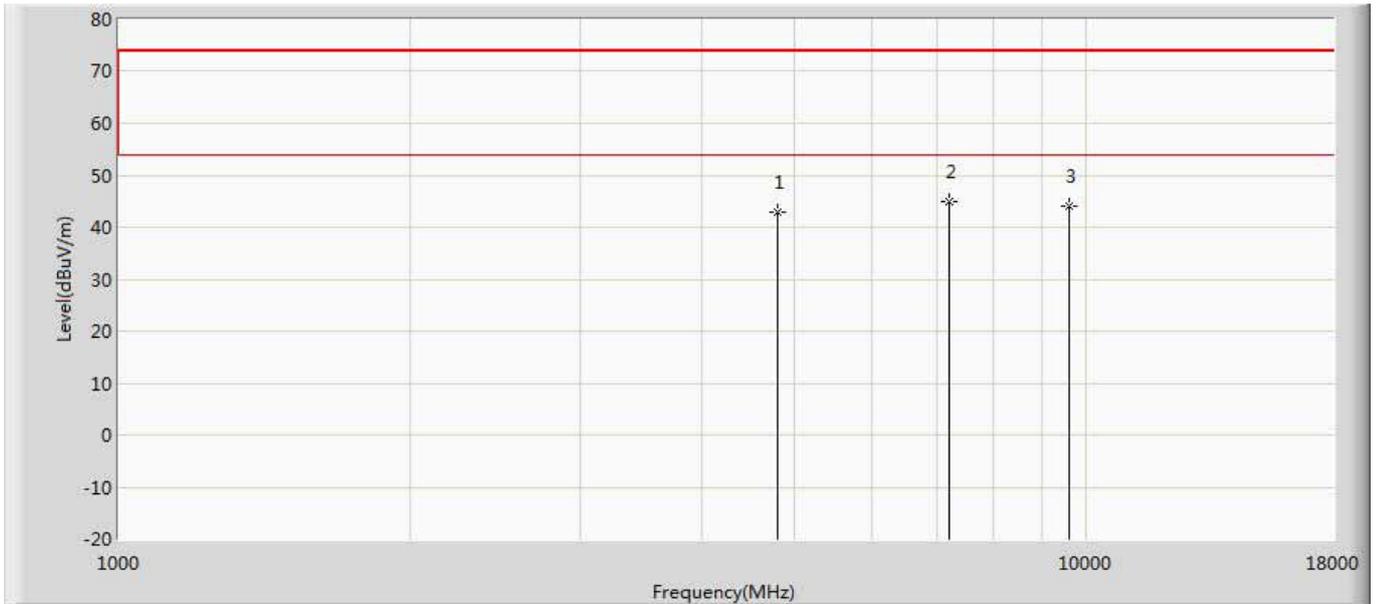
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	47.921	42.738	-26.079	74.000	5.183	PK
2		7323.000	50.489	41.174	-23.511	74.000	9.315	PK
3	*	9764.000	51.658	39.652	-22.342	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2441MHz by 3DH5 with right earphone	



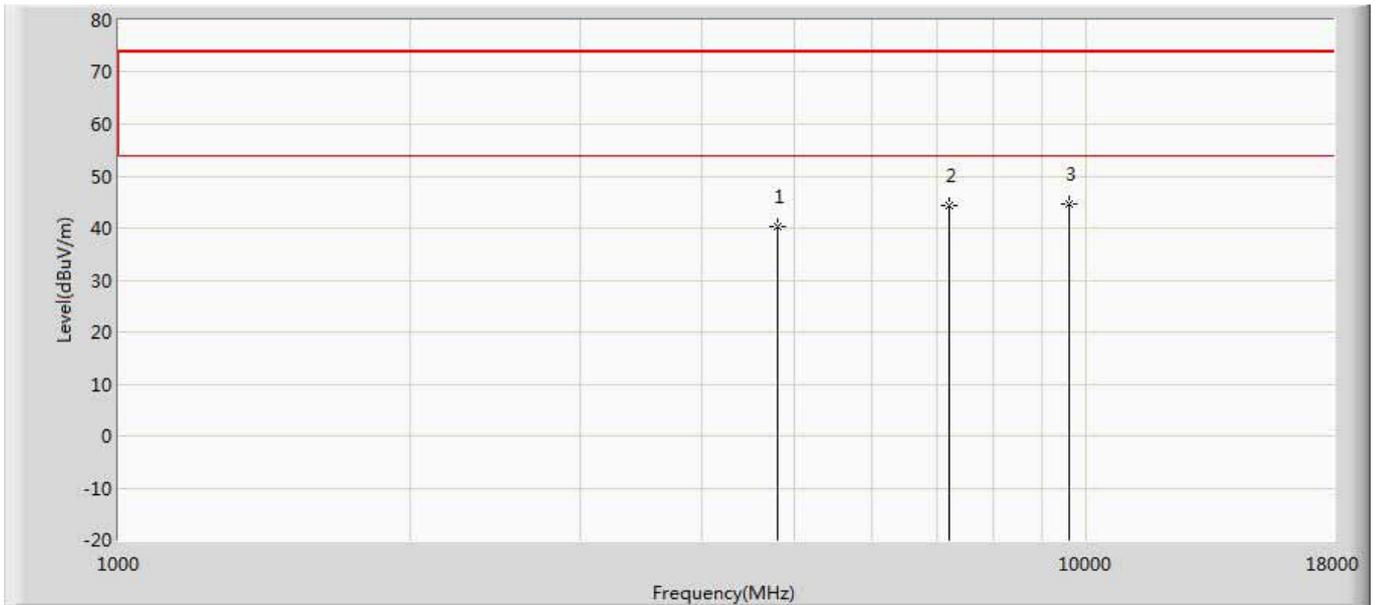
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4882.000	47.335	42.152	-26.665	74.000	5.183	PK
2		7323.000	50.342	41.027	-23.658	74.000	9.315	PK
3	*	9764.000	50.997	38.991	-23.003	74.000	12.007	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	42.919	44.028	-31.081	74.000	-1.109	PK
2	*	7206.000	44.921	42.477	-29.079	74.000	2.445	PK
3		9608.000	44.156	38.019	-29.844	74.000	6.136	PK

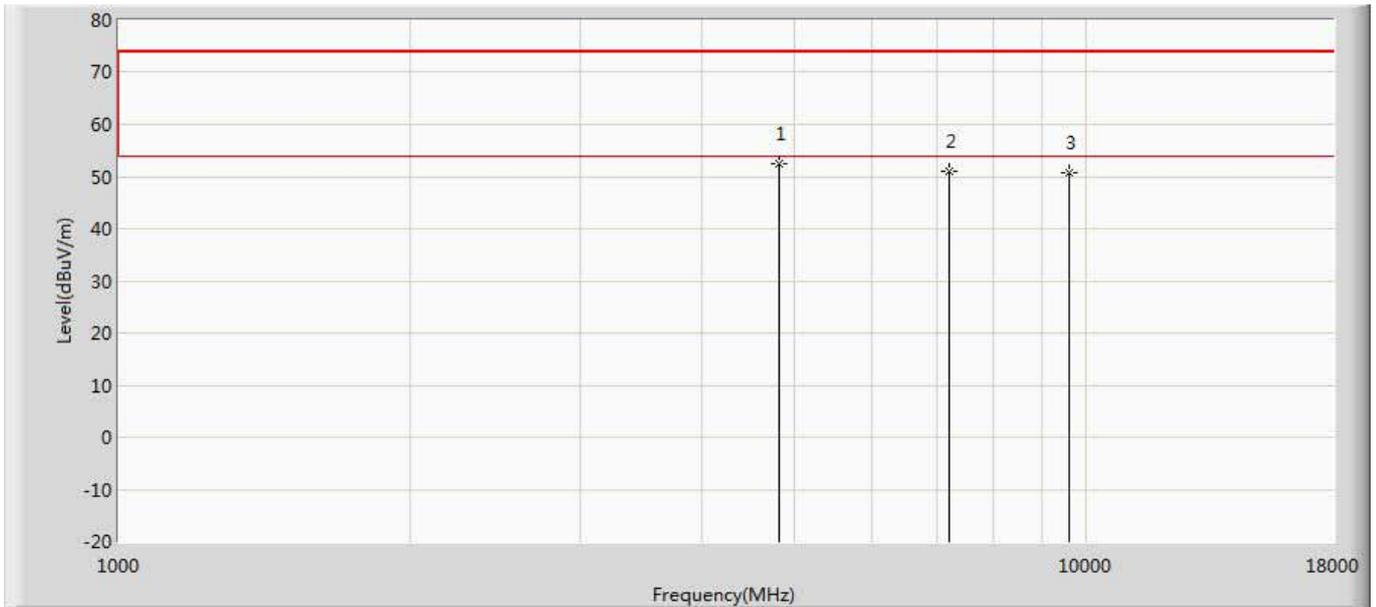
Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	40.433	41.542	-33.567	74.000	-1.109	PK
2		7206.000	44.362	41.918	-29.638	74.000	2.445	PK
3	*	9608.000	44.711	38.574	-29.289	74.000	6.136	PK

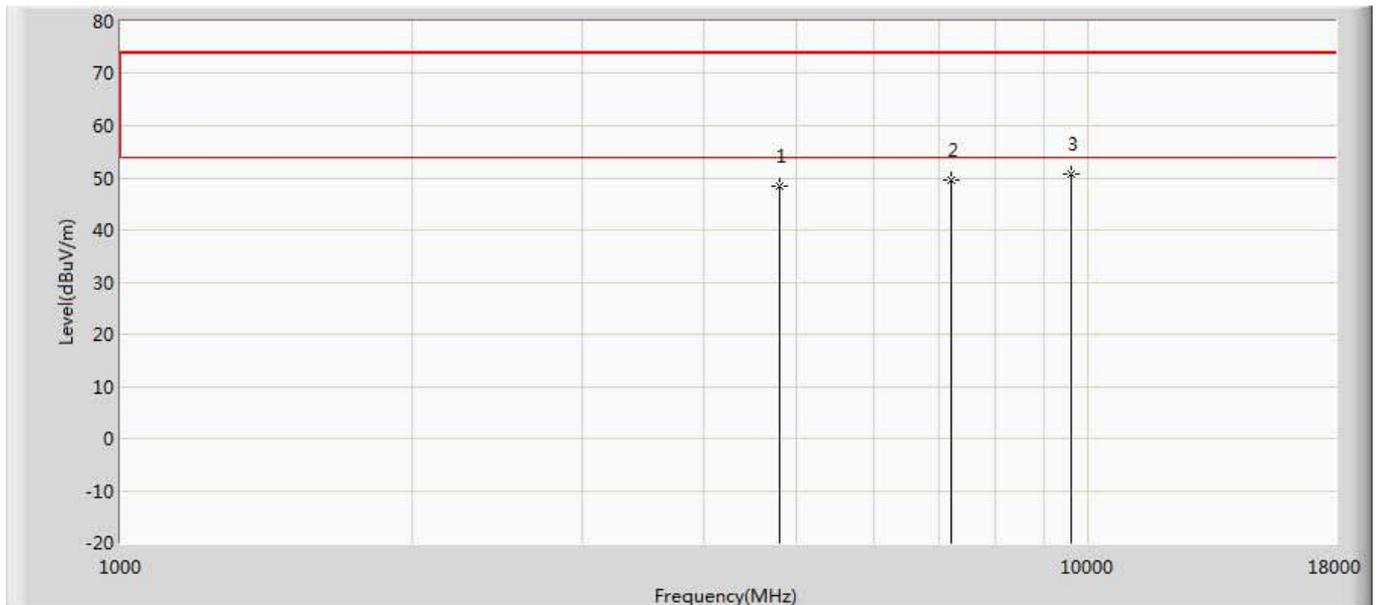
The worst case of Simultaneous Radiated Emission:

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1 :Transmit at 2402MHz by DH5 with left + right earphones	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4808.000	52.568	47.639	-21.432	74.000	4.929	PK
2		7206.000	50.940	41.844	-23.060	74.000	9.096	PK
3		9608.000	50.831	39.262	-23.169	74.000	11.569	PK

Engineer: Damon	
Site: AC5	Time: 2018/09/11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1 :Transmit at 2402MHz by DH5 with left + right earphones	



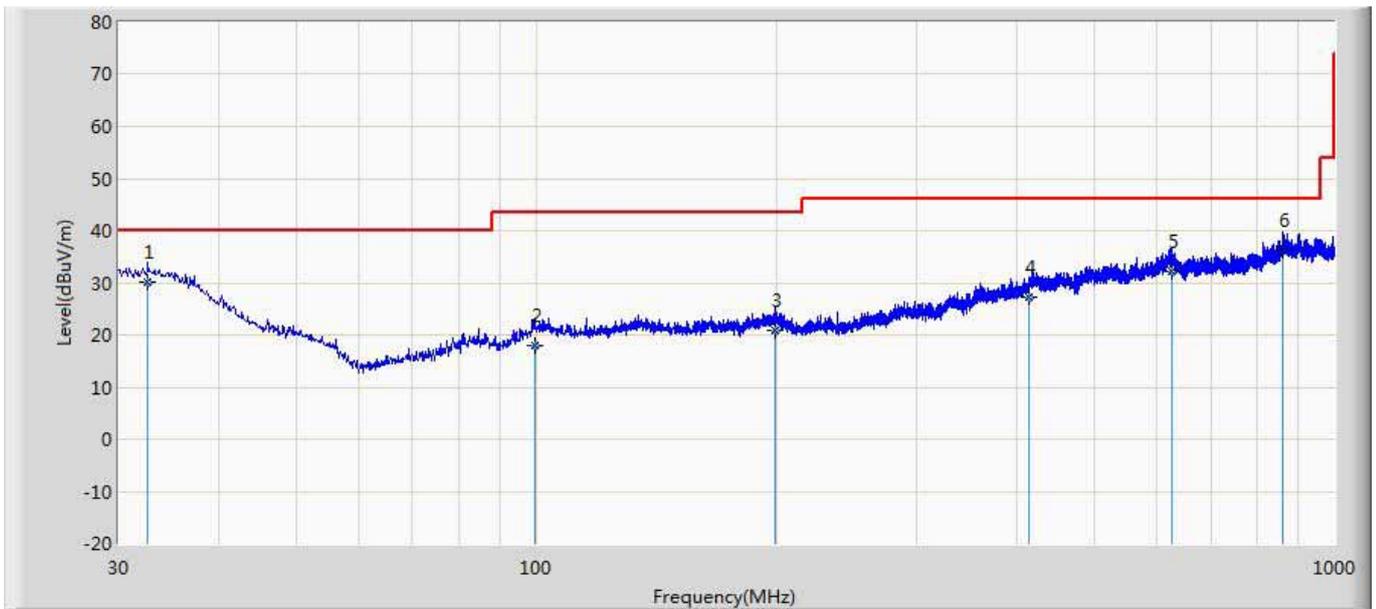
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	48.305	43.351	-25.695	74.000	4.954	PK
2		7206.000	49.458	40.362	-24.542	74.000	9.096	PK
3	*	9608.000	50.855	39.286	-23.145	74.000	11.569	PK

Note:

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~26GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. As the radiated emission was performed, so conducted emission was not tested.

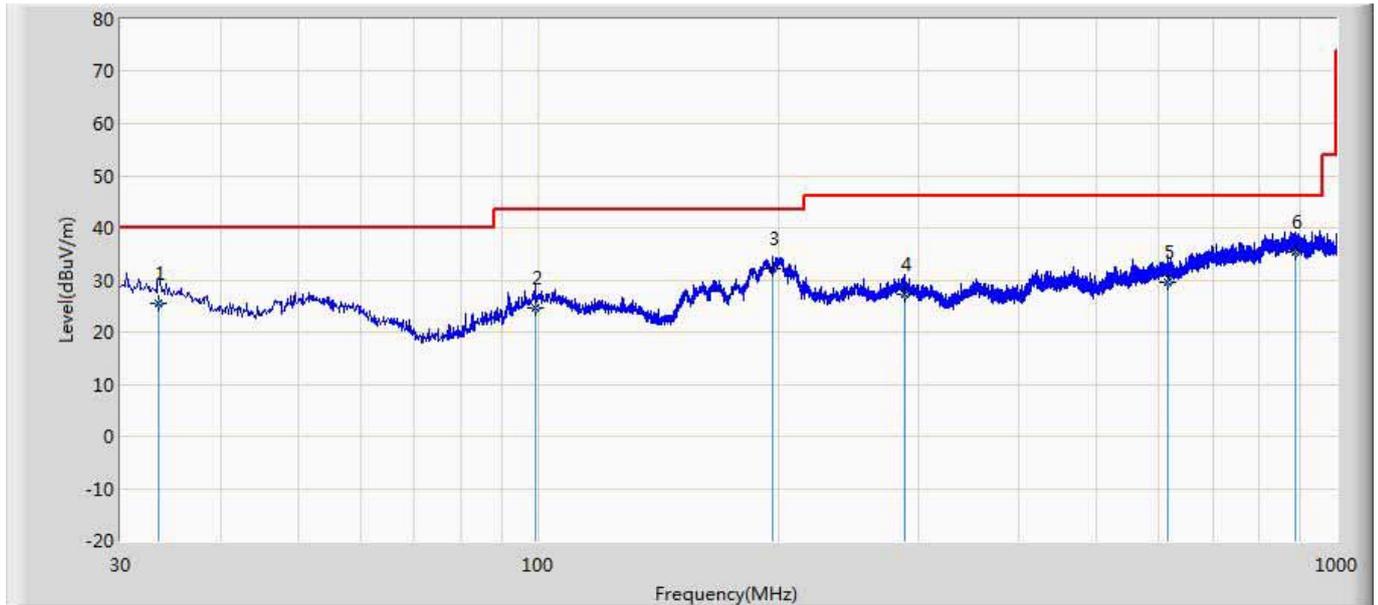
The worst case of Radiated Emission below 1GHz:

Engineer: Leon	
Site: AC2	Time: 2018/08/22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		32.667	30.173	2.800	-9.827	40.000	20.726	6.647	0.000	100	337	QP
2		99.598	17.902	0.800	-25.598	43.500	10.237	6.865	0.000	199	360	QP
3		198.901	20.764	2.900	-22.736	43.500	10.525	7.338	0.000	100	300	QP
4		414.272	27.178	0.900	-18.822	46.000	18.316	7.962	0.000	100	360	QP
5		626.186	32.126	1.500	-13.874	46.000	22.053	8.572	0.000	100	199	QP
6	*	861.290	36.244	3.600	-9.756	46.000	23.487	9.157	0.000	100	7	QP

Engineer: Leon	
Site: AC2	Time: 2018/08/22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		33.516	25.375	2.100	-14.625	40.000	16.619	6.656	0.000	110	360	QP
2		99.355	24.639	2.900	-18.861	43.500	14.877	6.862	0.000	100	230	QP
3		196.476	32.300	9.600	-11.200	43.500	15.366	7.333	0.000	100	0	QP
4		288.144	27.270	2.300	-18.730	46.000	17.362	7.608	0.000	100	317	QP
5		615.516	29.681	1.600	-16.319	46.000	19.535	8.546	0.000	200	225	QP
6	*	887.116	35.346	2.200	-10.654	46.000	23.927	9.219	0.000	100	170	QP

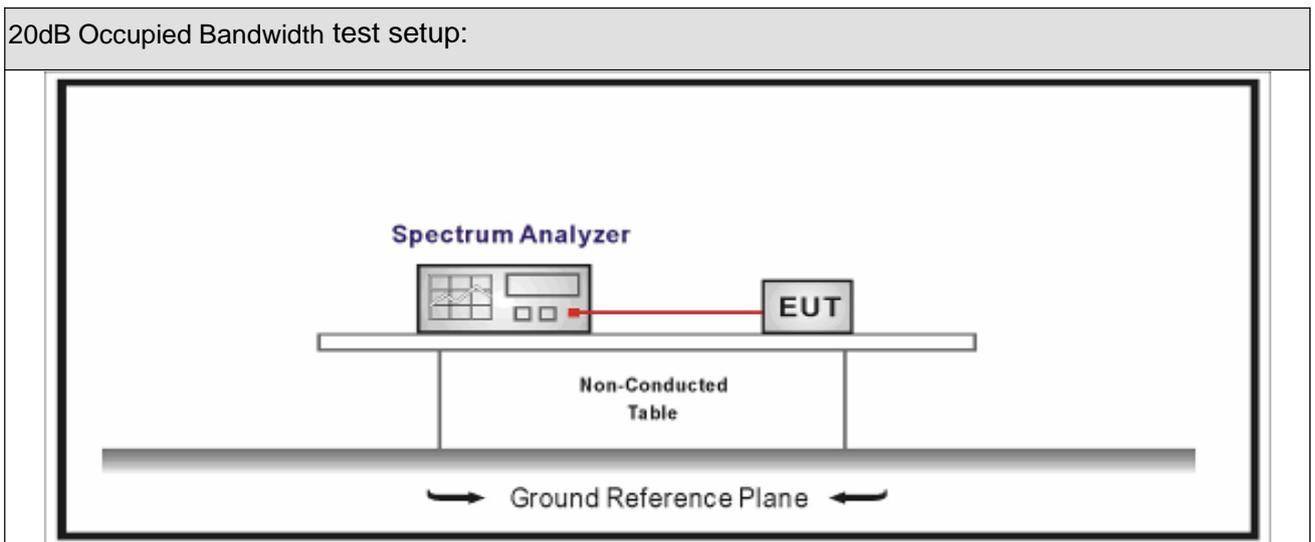
5. 20dB Bandwidth

5.1 Test Equipment

20dB Occupied Bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2 Test Setup



5.3 Limit

Carrier Frequency Separation	
<input checked="" type="checkbox"/>	For frequency hopping systems operating in 2400-2483.5 MHz band, within frequency range.
<input type="checkbox"/>	For frequency hopping systems operating in 902-928 MHz band, the maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.
<input type="checkbox"/>	For frequency hopping systems operating in 5725-5850 MHz band, the maximum 20 dB bandwidth of the hopping channel is 1 MHz.

5.4 Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	DA 00-705	N/A	20 dB Bandwidth

5.5 Uncertainty

The measurement uncertainty is defined as ± 1 kHz

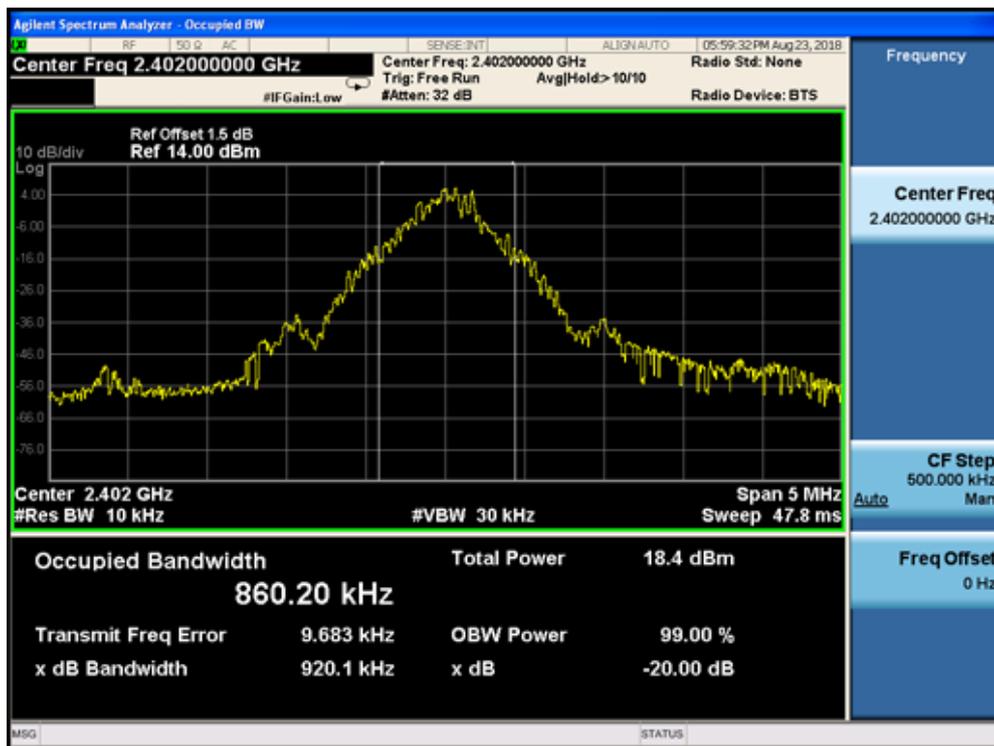
5.6 Test Result

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

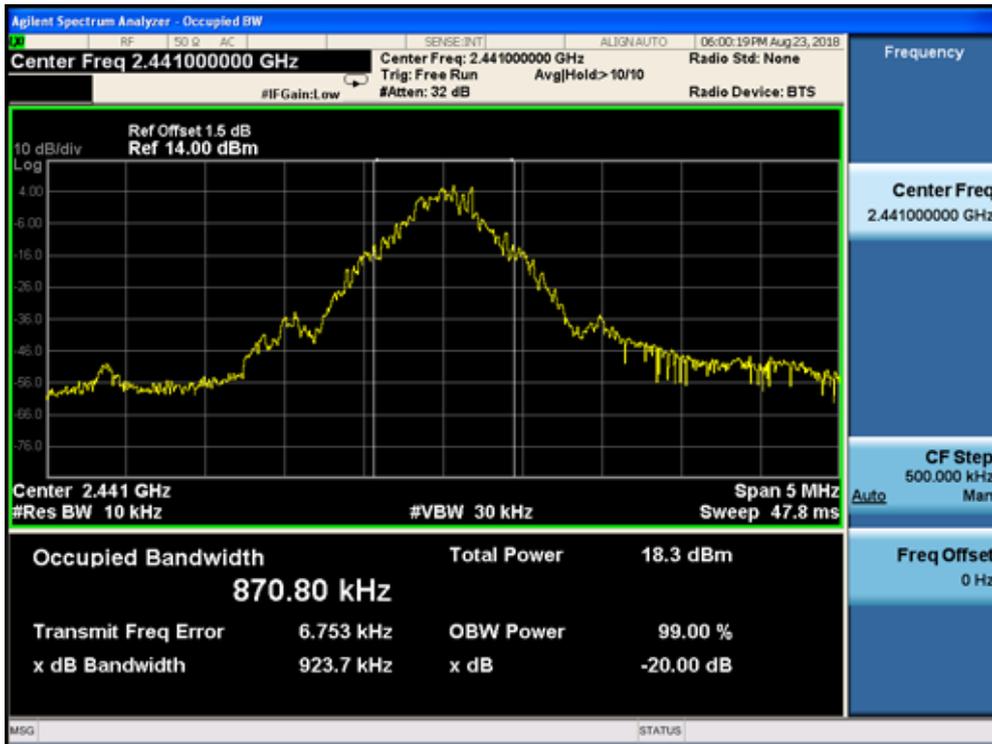
Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)
00	2402	920.1	860.20
39	2441	923.7	870.80
78	2480	922.8	867.65

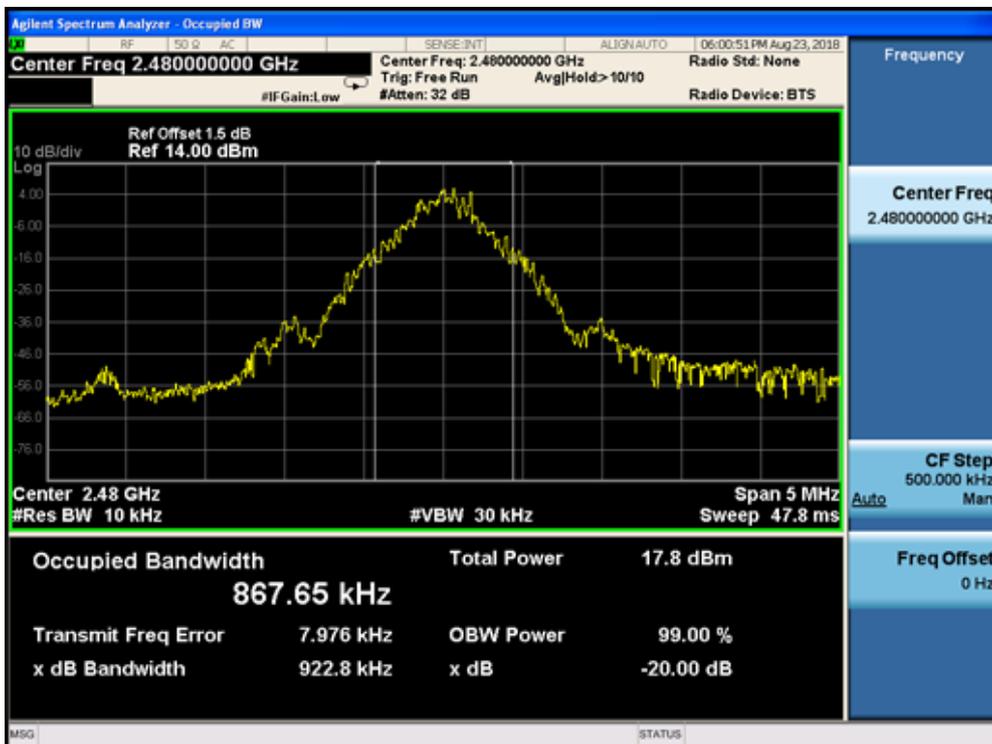
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)

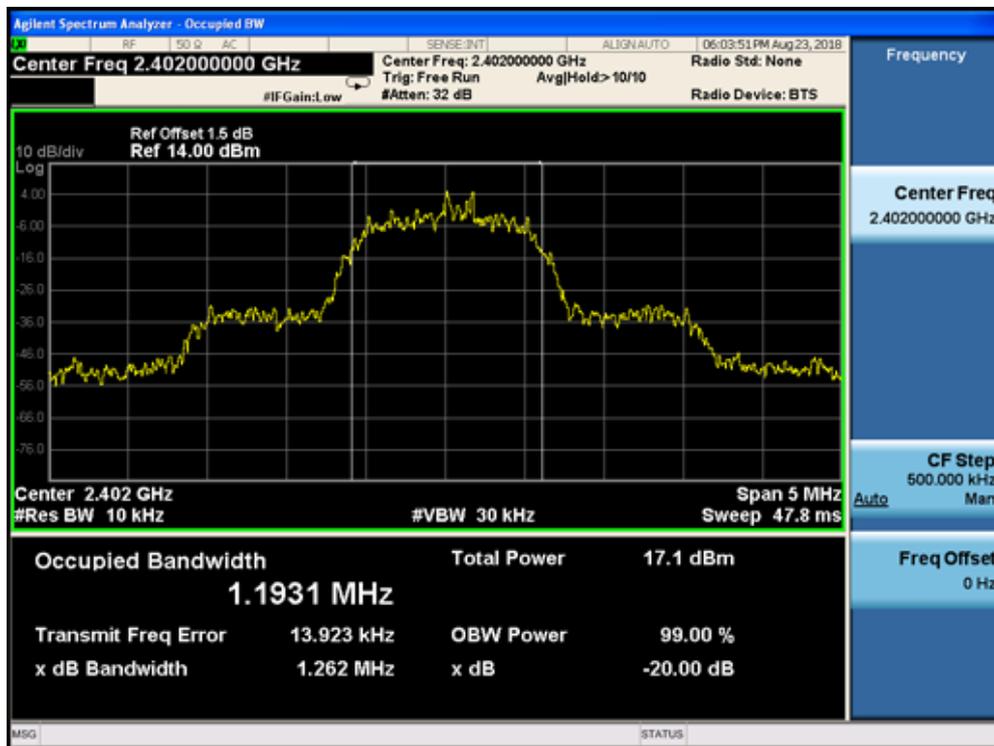


Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 2	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)
00	2402	1262	1193.1
39	2441	1313	1216.8
78	2480	1319	1195.4

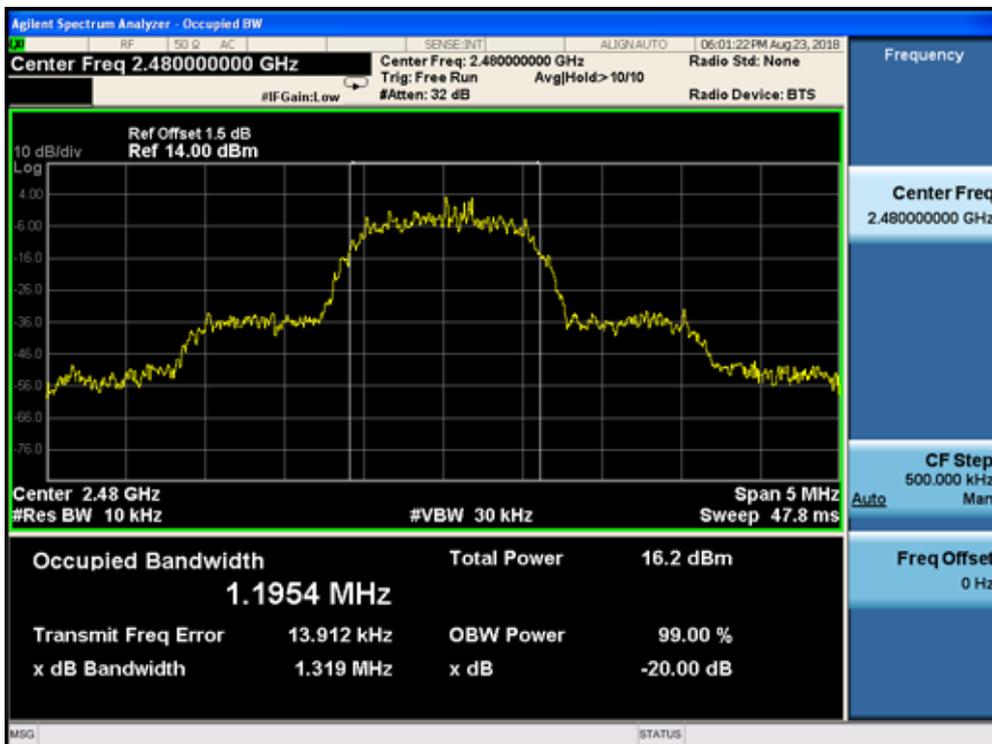
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 3	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)
00	2402	1249	1197.6
39	2441	1237	1210.6
78	2480	1235	1187.9

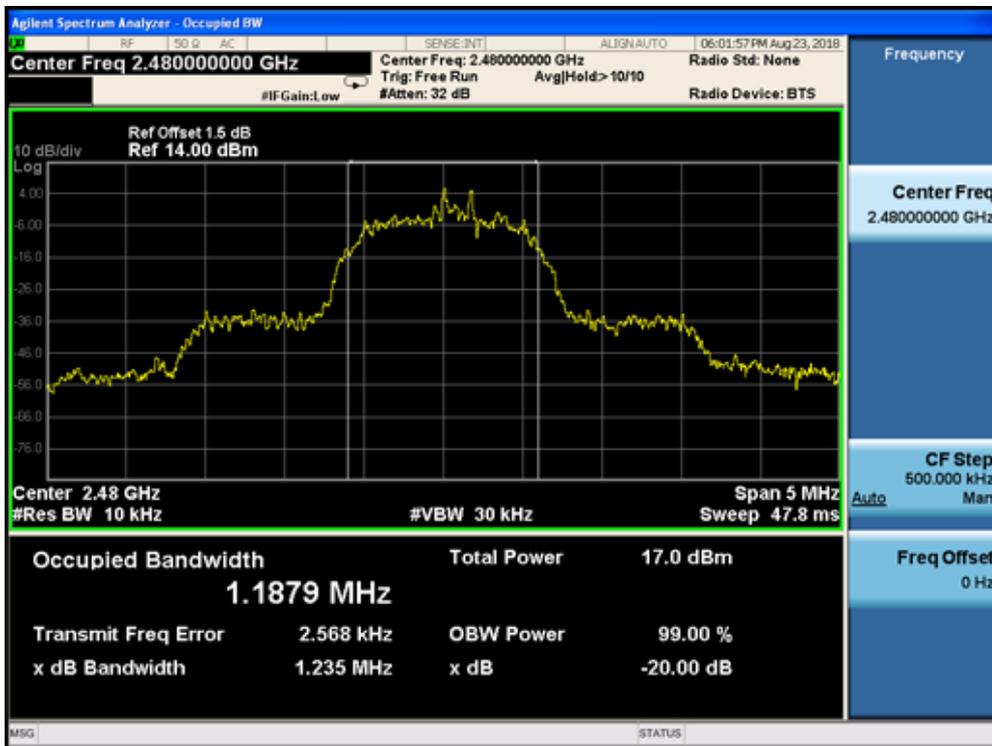
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



Note: We have tested the right and left wireless Bluetooth Headphones, and shown in the report is the worst case.

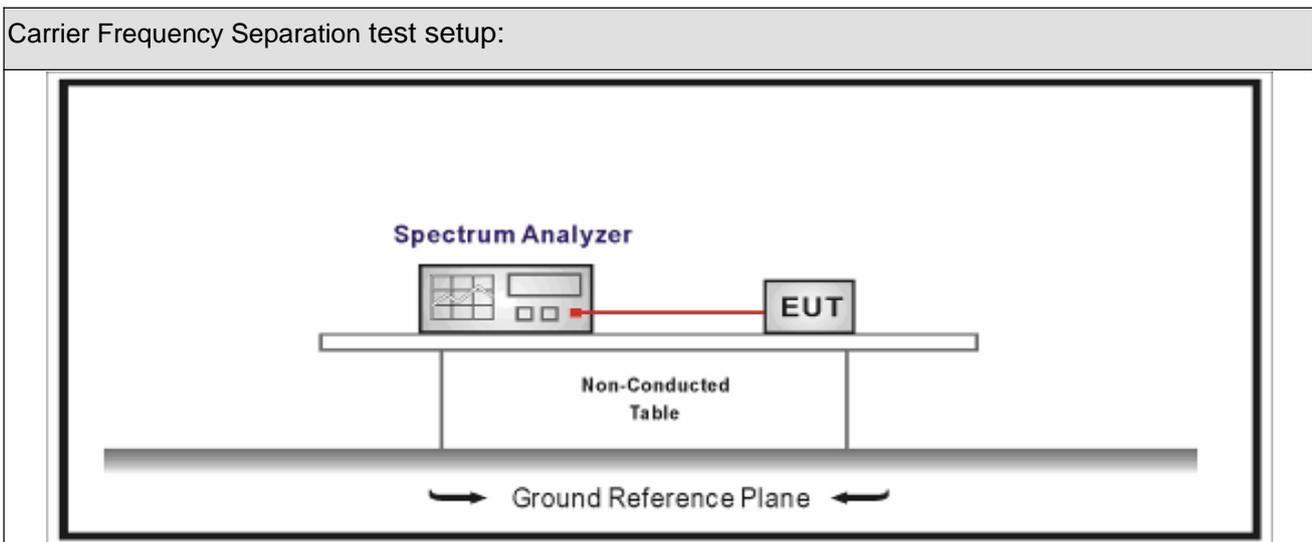
6. Carrier Frequency Separation

6.1. Test Equipment

Carrier Frequency Separation / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

6.2. Test Setup



6.3. Limit

Carrier Frequency Separation	
<input type="checkbox"/>	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	The 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period;
<input type="checkbox"/>	The 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.
<input type="checkbox"/>	Frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz.

6.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8.2	Carrier frequency separation

6.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

6.6. Test Result

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
00	2402	1000	613.4	Pass
39	2441	1000	615.8	Pass
78	2480	1000	615.2	Pass

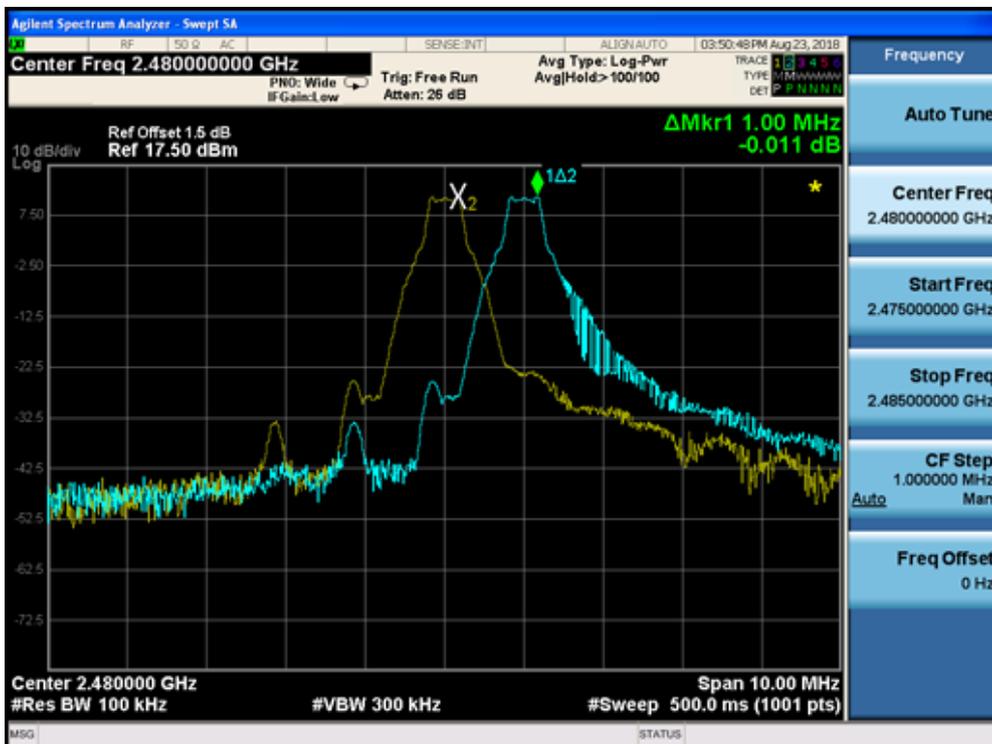
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)

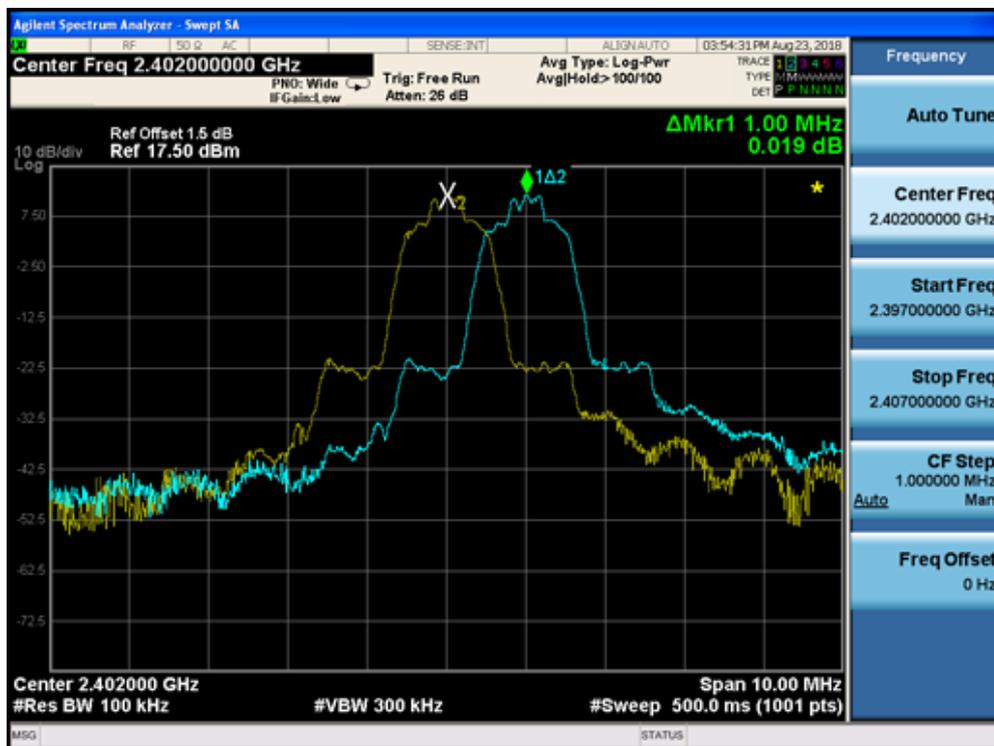


Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 2	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

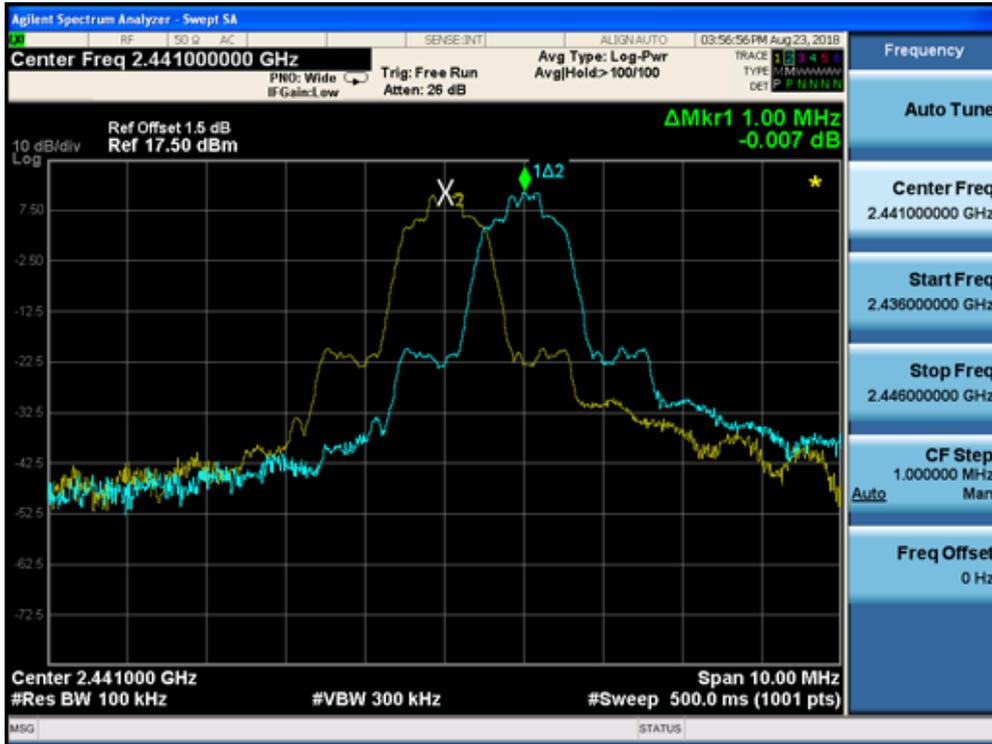
Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
00	2402	1000	841.3	Pass
39	2441	1000	875.3	Pass
78	2480	1000	879.3	Pass

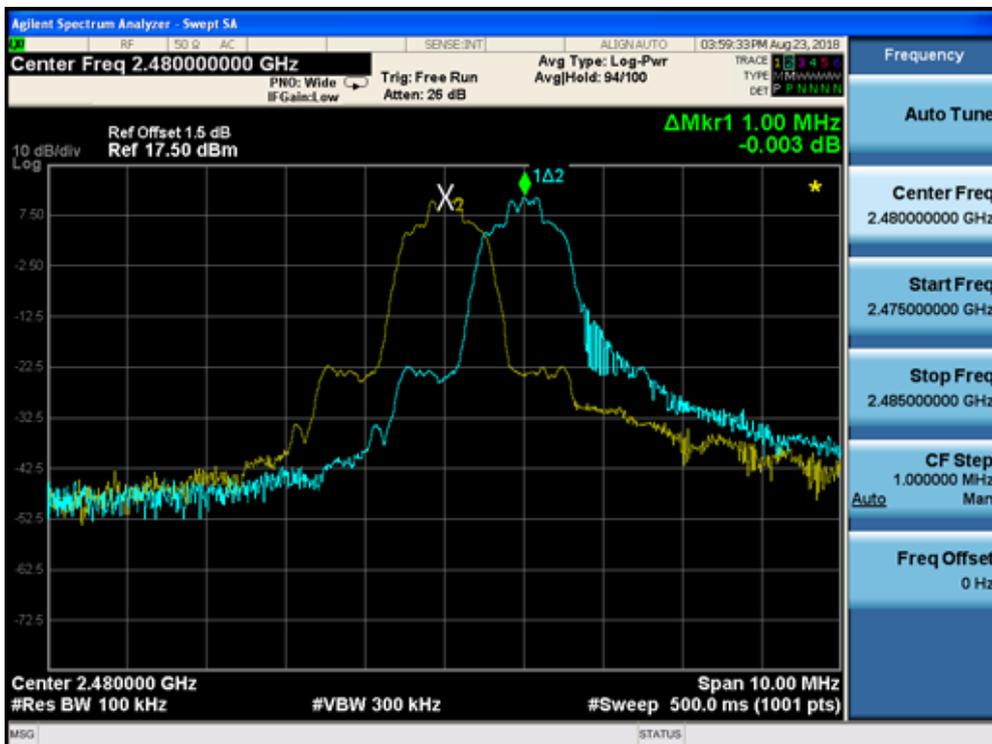
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 3	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

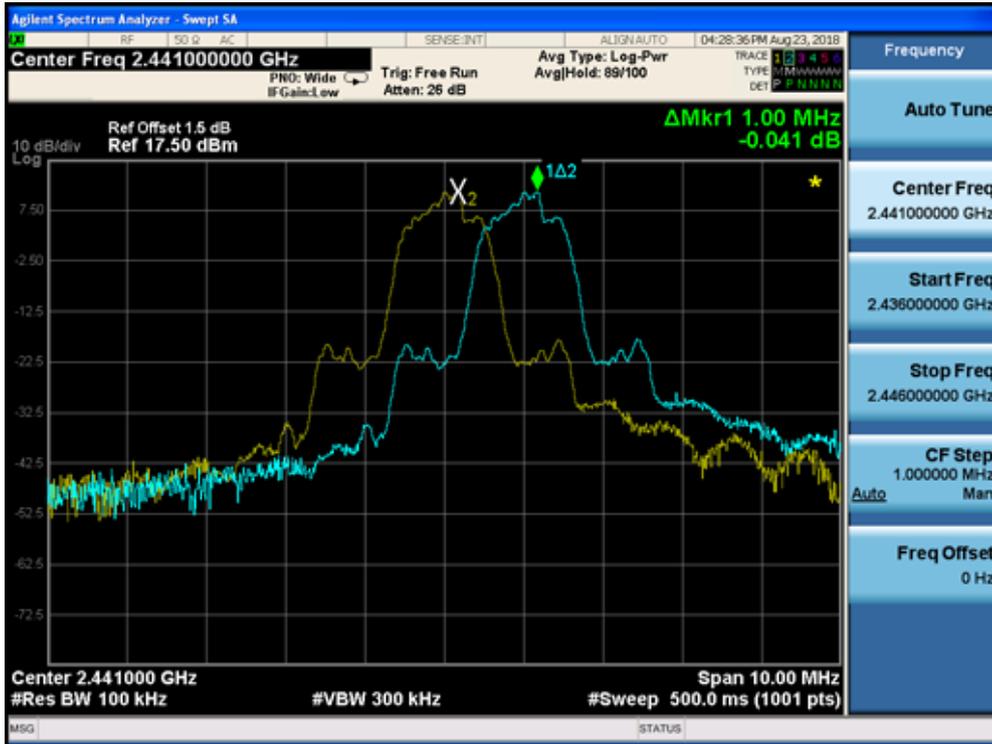
Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
00	2402	1000	832.7	Pass
39	2441	1000	824.7	Pass
78	2480	1000	823.3	Pass

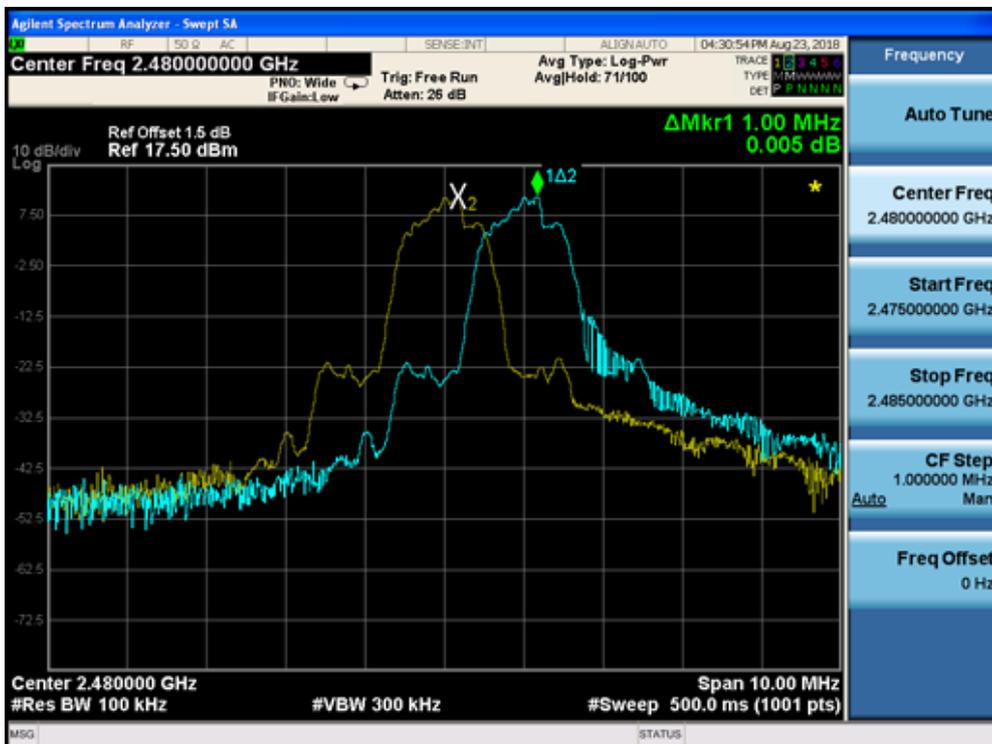
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



Note: We have tested the right and left wireless Bluetooth Headphones, and shown in the report is the worst case.

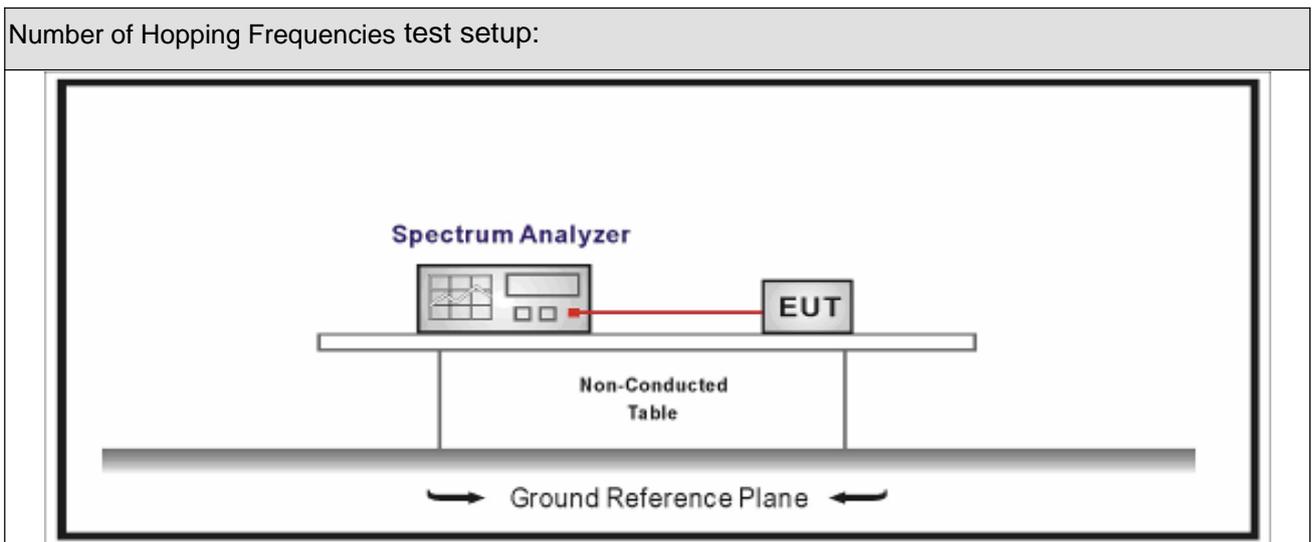
7. Number of Hopping Frequencies

7.1. Test Equipment

Number of Hopping Frequencies / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

Carrier Frequency Separation	
<input checked="" type="checkbox"/>	For frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies.
<input type="checkbox"/>	For frequency hopping systems operating in 902-928 MHz band, if the 20 dB bandwidth of the hopping channel is less than 250 kHz, shall use at least 50 hopping frequencies.
<input type="checkbox"/>	For frequency hopping systems operating in 902-928 MHz band, if the 20 dB bandwidth of the hopping channel is higher than 250 kHz, shall use at least 25 hopping frequencies.
<input type="checkbox"/>	For frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies.

7.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8.3	Number of Hopping Frequencies

7.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

7.6. Test Result

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Frequency Band (MHz)	Number of Hopping Frequencies	Limit	Result
2400 - 2483.5	79	>15	Pass

2402 - 2480MHz

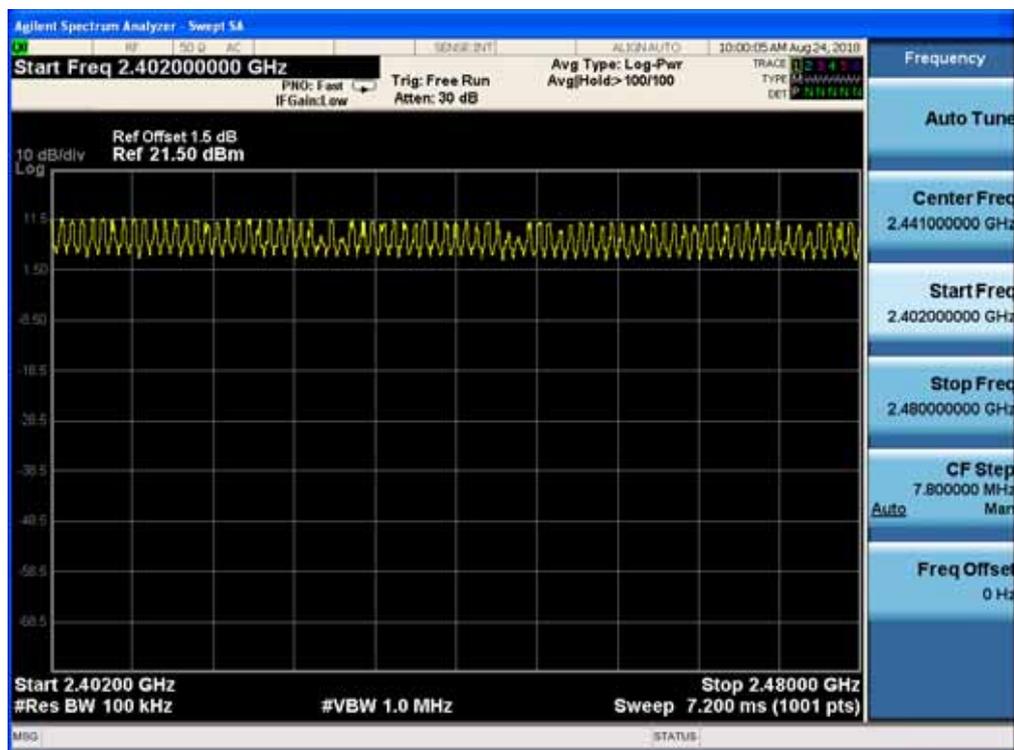


Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 2	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Frequency Band (MHz)	Number of Hopping Frequencies	Limit	Result
2400 - 2483.5	79	>15	Pass

2402 - 2480 MHz

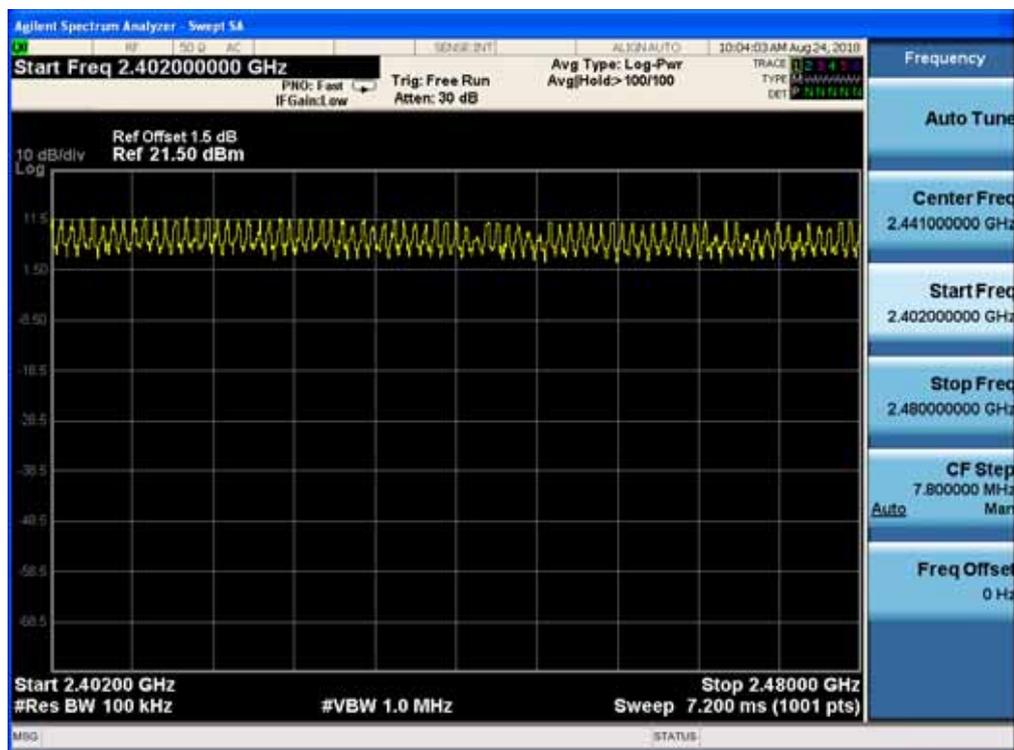


Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 3	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Frequency Band (MHz)	Number of Hopping Frequencies	Limit	Result
2400 - 2483.5	79	>15	Pass

2402 - 2480 MHz



Note: We have tested the right and left wireless Bluetooth Headphones, and shown in the report is the worst case.

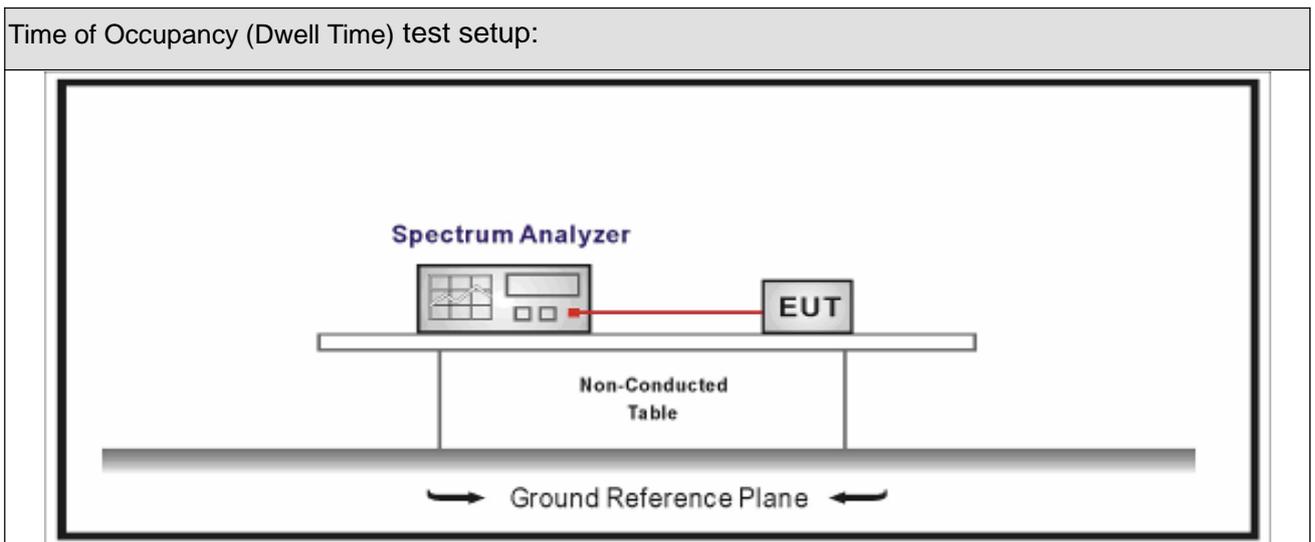
8. Time of Occupancy (Dwell Time)

8.1. Test Equipment

Time of Occupancy (Dwell Time) / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

Time of Occupancy (Dwell Time)	
<input checked="" type="checkbox"/>	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. 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.
<input type="checkbox"/>	For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period
<input type="checkbox"/>	For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping

	frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.
<input type="checkbox"/>	Frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

8.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8.4	Time of Occupancy (Dwell Time)

8.5. Uncertainty

The measurement uncertainty is defined as $\pm 0.1 \text{ us}$

8.6. Test Result

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1(GFSK_DH1)	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

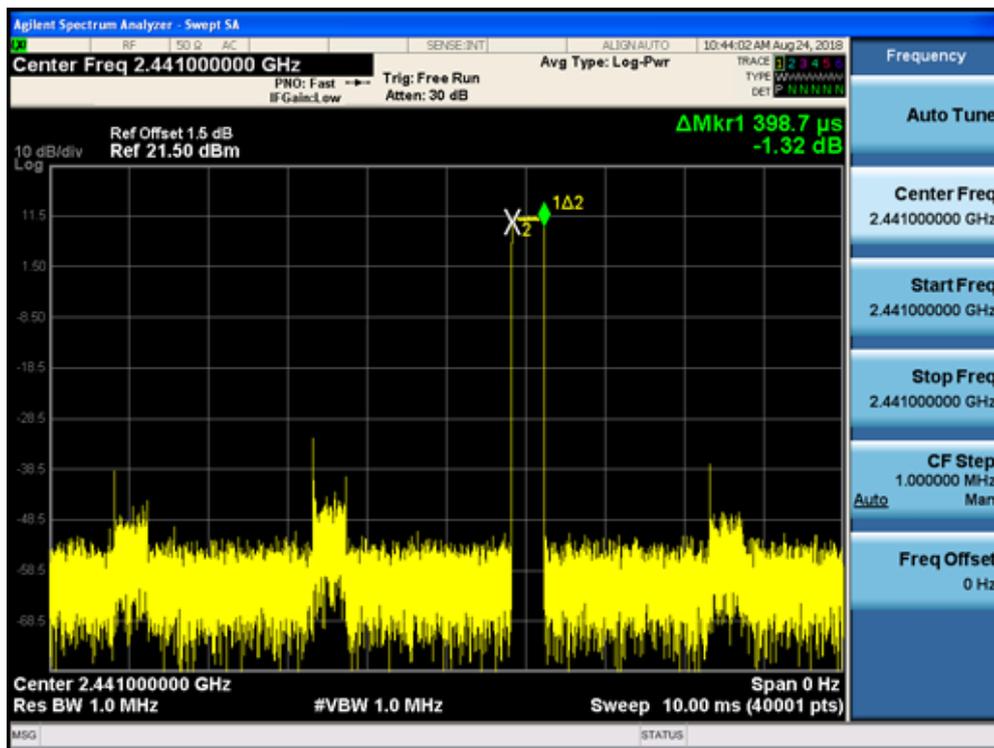
Channel No.	Frequency (MHz)	Time of Occupancy (ms)	Limit (ms)	Result
39	2441	59.805	< 400	Pass

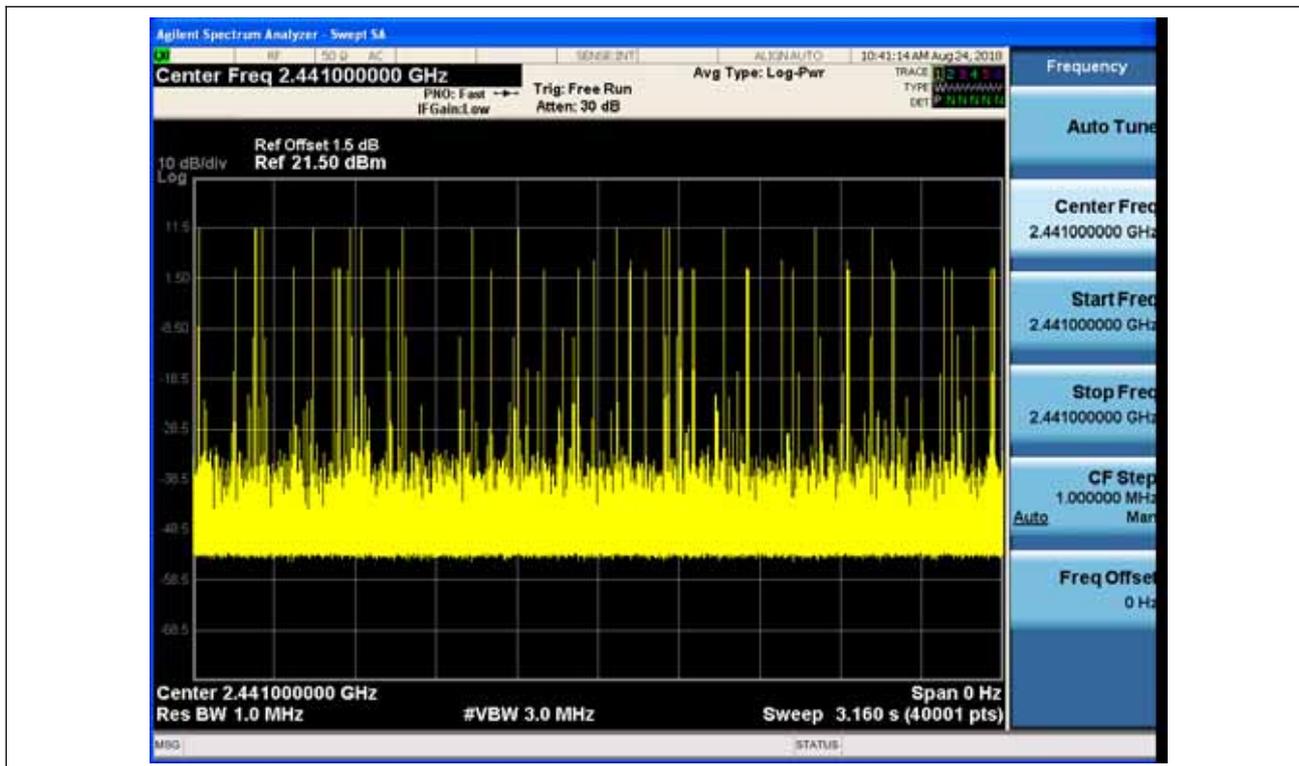
Note1: Test Time Period: $0.4 \times 79 = 31.6 \text{sec}$

Note2: Time of Occupancy = $0.3987 \times 15 \times 31.6 / 3.16 = 59.805 \text{ms}$

Note3: We have evaluated different packet type, shown in the report is the worst data.

Channel 39 (2441MHz)-(DH1)





Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1(GFSK_DH3)	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

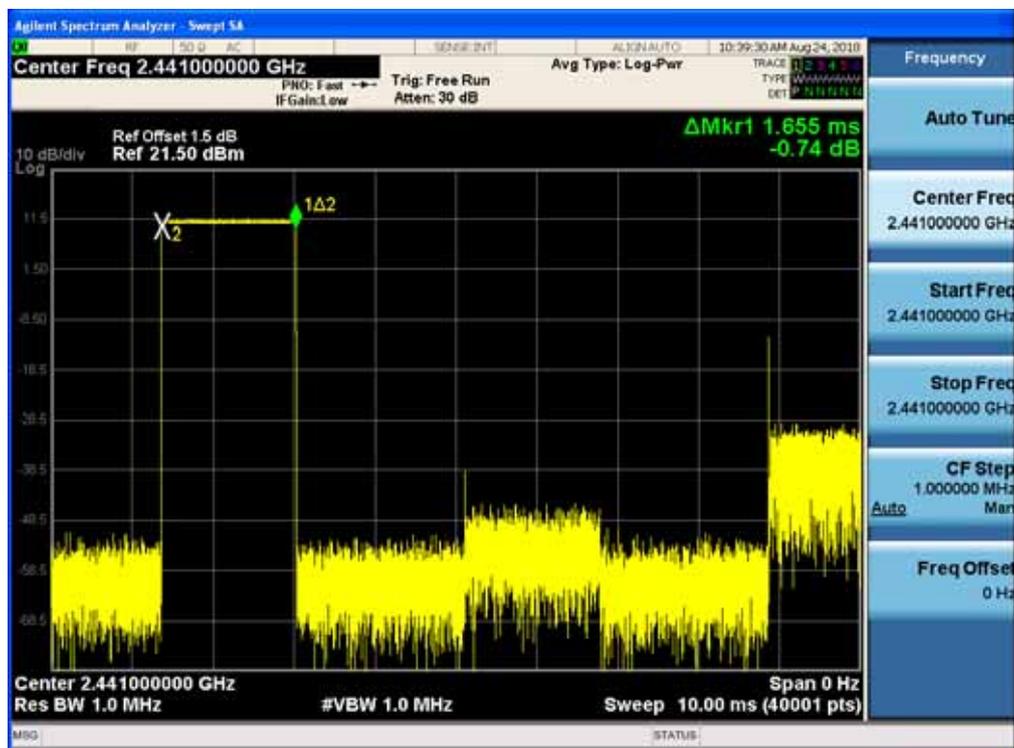
Channel No.	Frequency (MHz)	Time of Occupancy (ms)	Limit (ms)	Result
39	2441	215.15	< 400	Pass

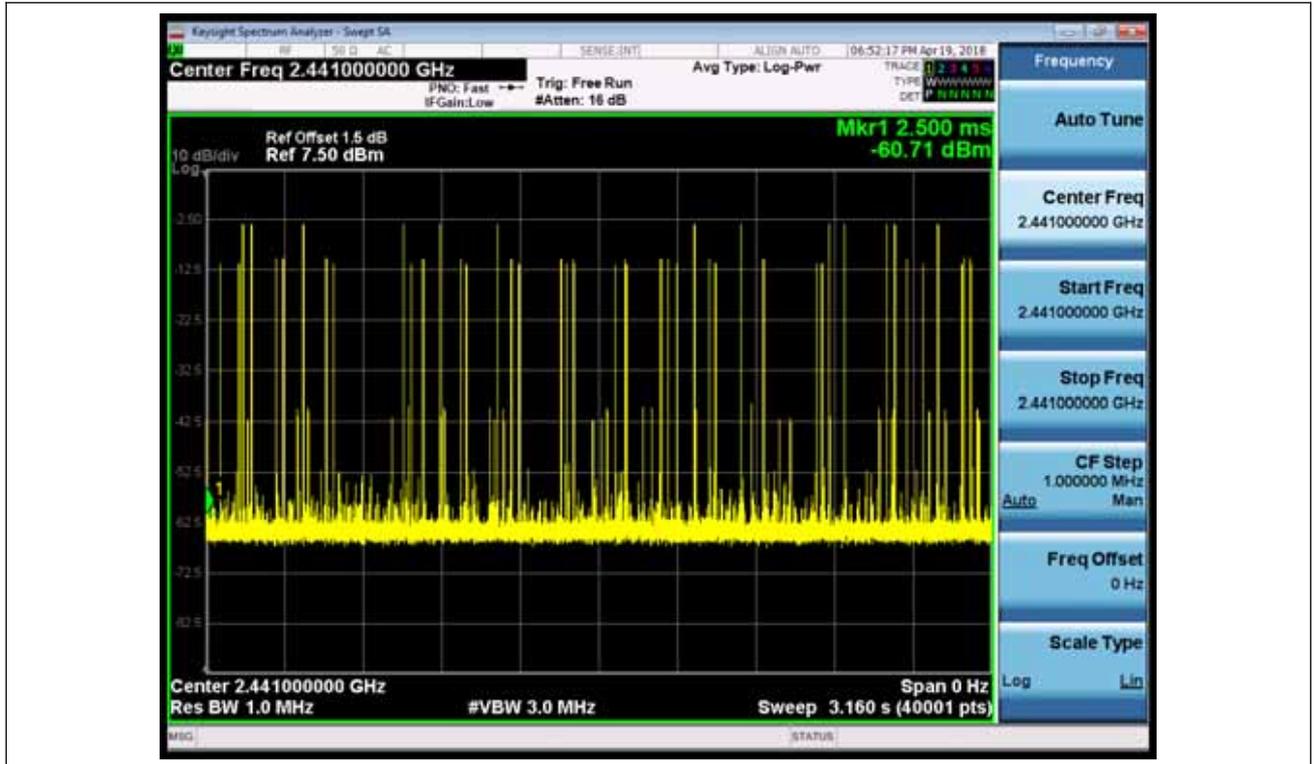
Note1: Test Time Period: $0.4 \times 79 = 31.6$ sec

Note2: Time of Occupancy = $1.655 \times 13 \times 31.6 / 3.16 = 215.15$ ms

Note3: We have evaluated different packet type, shown in the report is the worst data.

Channel 39 (2441MHz) - (DH3)





Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1(GFSK_DH5)	Test Site	: TR-8
Test Date	: 2018.08.24	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

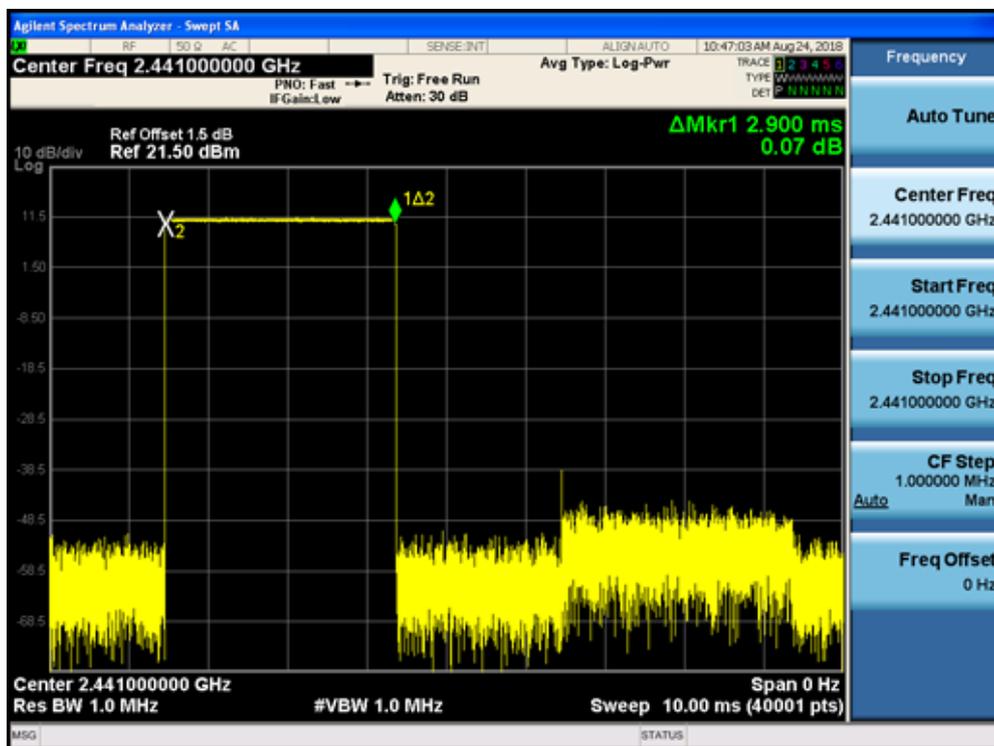
Channel No.	Frequency (MHz)	Time of Occupancy (ms)	Limit (ms)	Result
39	2441	319	< 400	Pass

Note1: Test Time Period: $0.4 \times 79 = 31.6$ sec

Note2: Time of Occupancy = $2.9 \times 11 \times 31.6 / 3.16 = 319$ ms

Note3: We have evaluated different packet type, shown in the report is the worst data.

Channel 39 (2441MHz) - (DH5)



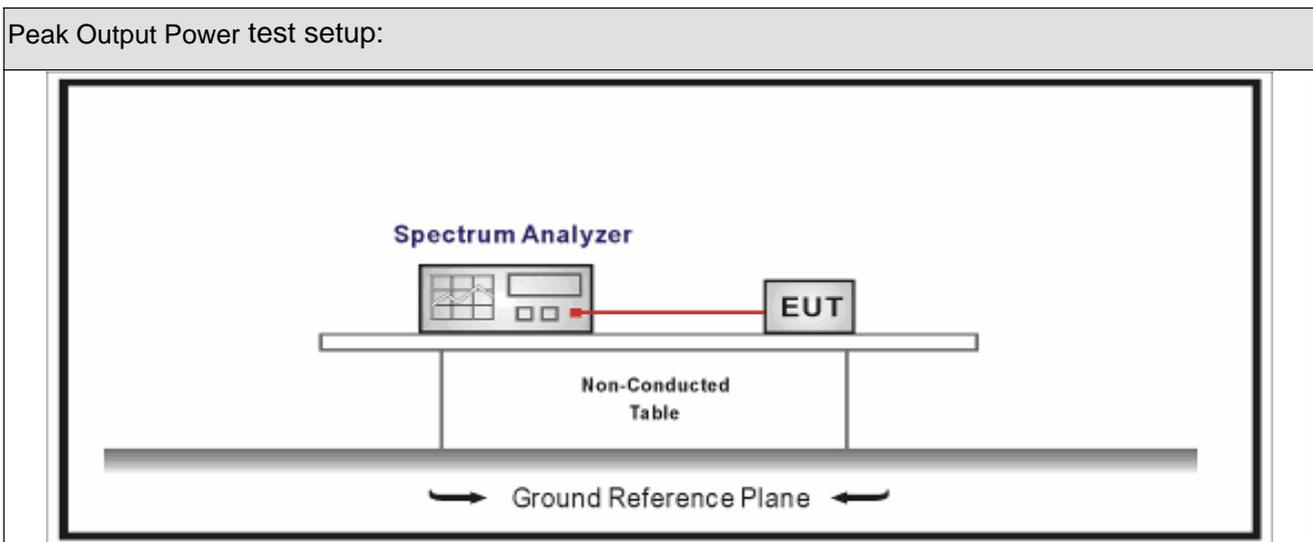
9. Peak Output Power

9.1. Test Equipment

Peak Output Power / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

Peak Output Power	
<input type="checkbox"/>	Frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels

9.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8.5	Output power test procedure for frequency-hopping spread-spectrum (FHSS) devices

9.5. Uncertainty

The measurement uncertainty is defined as ± 1.0 dB

9.6. Test Result

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1	Test Site	: TR-8
Test Date	: 2018.09.06	Test Engineer	Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.13	21.00	Pass
39	2441	11.48	21.00	Pass
78	2480	10.97	21.00	Pass

Right Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.09	21.00	Pass
39	2441	11.04	21.00	Pass
78	2480	10.47	21.00	Pass

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 2	Test Site	: TR-8
Test Date	: 2018.09.06	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.18	21.00	Pass
39	2441	11.53	21.00	Pass
78	2480	10.96	21.00	Pass

Right Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.11	21.00	Pass
39	2441	11.04	21.00	Pass
78	2480	10.47	21.00	Pass

Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 3	Test Site	: TR-8
Test Date	: 2018.09.06	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.18	21.00	Pass
39	2441	11.50	21.00	Pass
78	2480	10.97	21.00	Pass

Right Wireless Bluetooth Headphone:

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Limit (dBm)	Result
00	2402	11.11	21.00	Pass
39	2441	11.06	21.00	Pass
78	2480	10.48	21.00	Pass

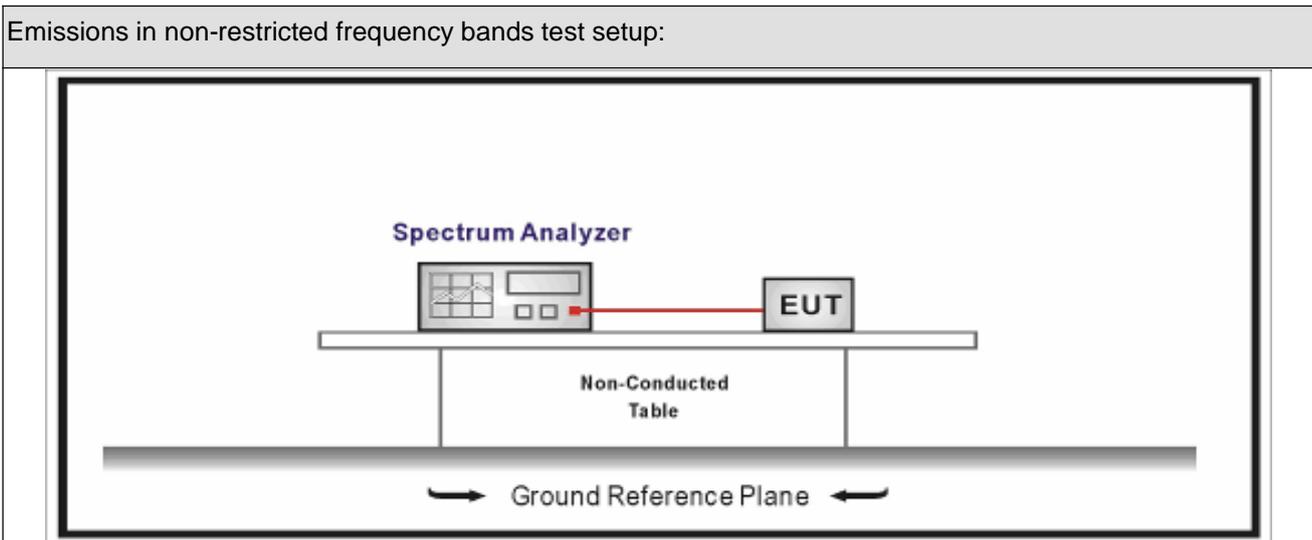
10. Emissions in non-restricted frequency bands

10.1. Test Equipment

Emissions in non-restricted frequency bands / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2018.02.04	2019.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2018.04.09	2019.04.08
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2018.04.09	2019.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2018.04.10	2019.04.09

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

Un-Restricted Band Emissions Limit	
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30c(Note1)
RF Output power(PK detector)	20c(Note2)
<p>Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).</p> <p>Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).</p>	

10.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	7.8.6	Band-edge Compliance of RF Conducted Emissions

10.5. Uncertainty

The measurement uncertainty is defined as ± 1.0 dB

10.6. Test Result

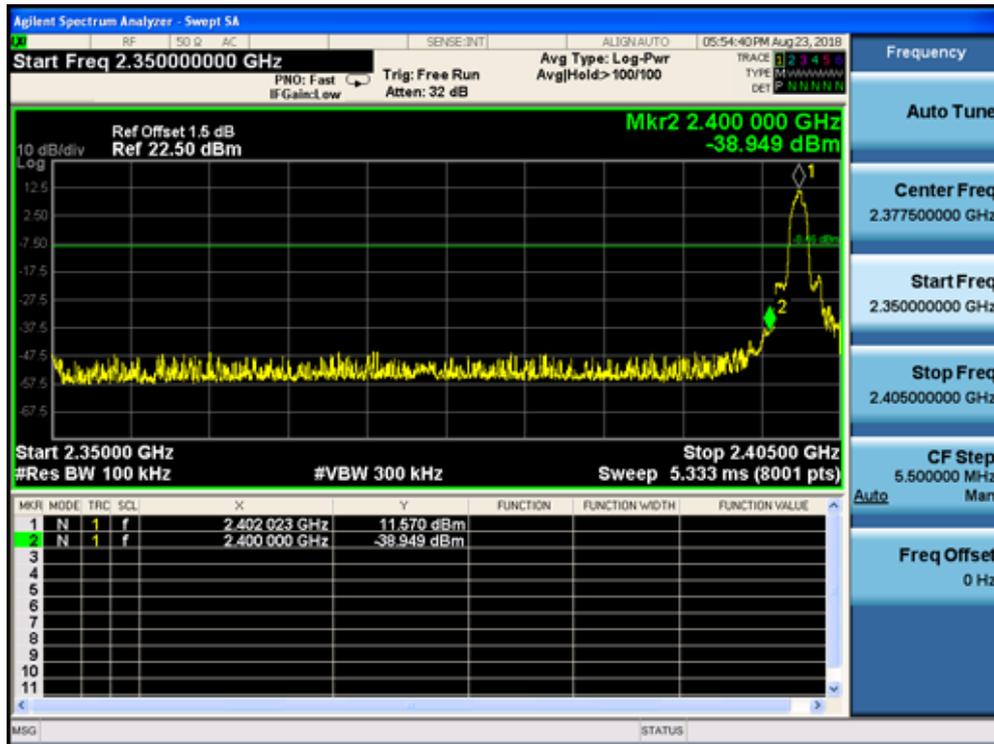
Product Name	: Wireless Bluetooth Headphones	Power	: AC 120V/60Hz
Test Mode	: Mode 1~4	Test Site	: TR-8
Test Date	: 2018.08.23	Test Engineer	: Simon

Left Wireless Bluetooth Headphone:

Mode	Channel	Test Frequency (MHz)	In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	00	2402	11.831	2400.00	-39.447	51.278	>20	Pass
1	78	2480	11.053	2500.00	-54.101	65.154	>20	Pass
2	00	2402	11.735	2400.00	-39.353	51.088	>20	Pass
2	78	2480	11.248	2500.00	-48.703	59.951	>20	Pass
3	00	2402	11.57	2400.00	-38.949	50.519	>20	Pass
3	78	2480	11.279	2500.00	-55.156	66.435	>20	Pass
4	00~78	00~78	11.121	2400.00	-50.108	61.229	>20	Pass

Note1: The worst case of Emissions in non-restricted frequency bands as below:
 2: Mode 1-3, The In-Band PSD is the highest PSD of All channels.

Mode3 CH00(2402MHz)



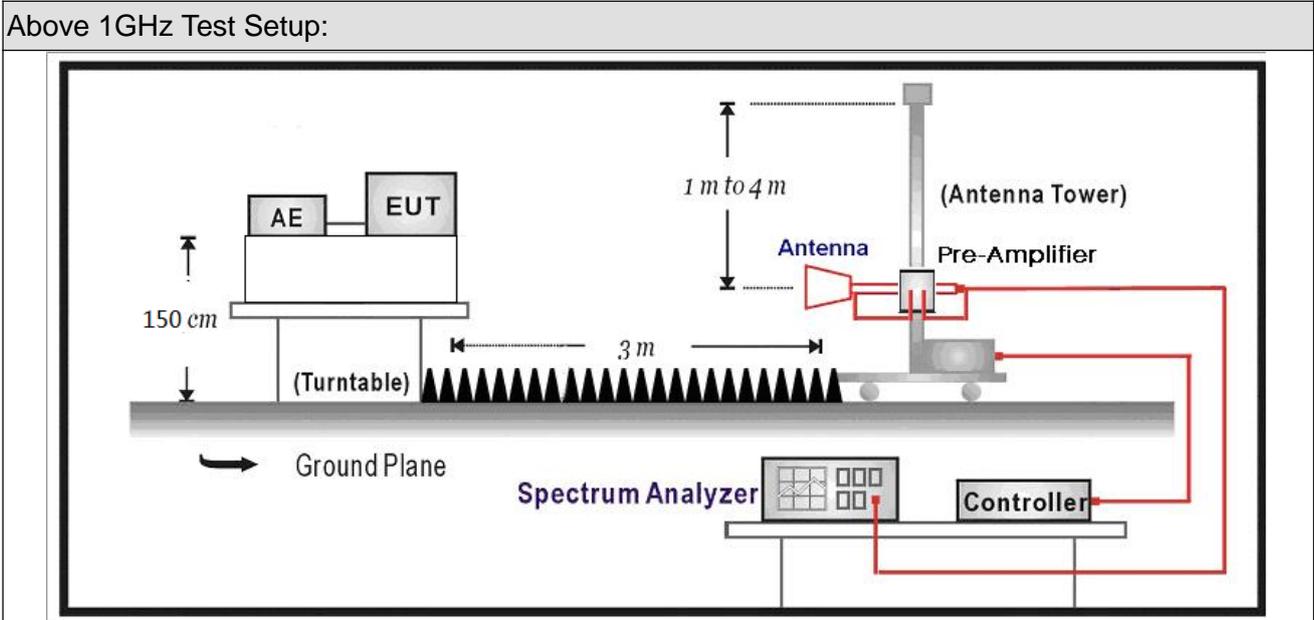
Note: We have tested the right and left wireless Bluetooth Headphones, and shown in the report is the worst case.

11. Radiated Emission Band Edge

11.1. Test Equipment

Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Receiver	Agilent	N9038A	MY51210196	2018.07.16	2019.07.15
Pre-Amplifier	Miteq	NSP1800-25	1364185	2018.05.03	2019.05.02
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2018.07.12	2019.07.11
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2017.09.18	2019.09.17
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2018.02.28	2019.02.27
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2018.02.28	2019.02.27
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2018.01.05	2019.01.04

11.2. Test Setup



11.3. Limit

Band edge Limit				
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390	PK	74	1	3
2483.5-2500	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

11.4. Test Procedure

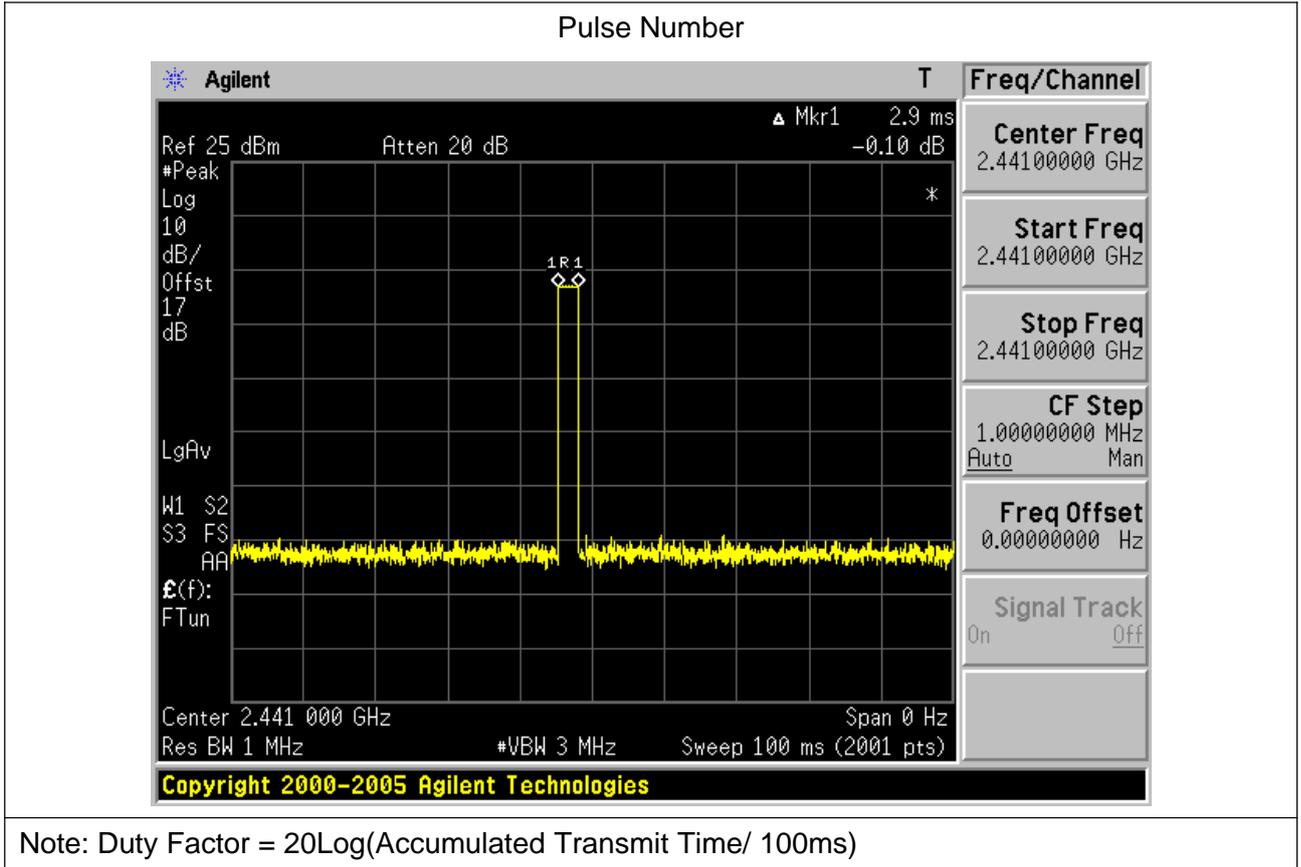
Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	DA 00-705	N/A	duty cycle correction factor
<input checked="" type="checkbox"/>	ANSI C63.10	6.10	Band-edge testing
	<input checked="" type="checkbox"/> ANSI C63.10	6.10.5	Restricted-band band-edge measurements
	<input type="checkbox"/> ANSI C63.10	6.10.6	Marker-delta method
<input type="checkbox"/>	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
<input type="checkbox"/>	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
<input checked="" type="checkbox"/>	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

11.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB
 below 1G is defined as ± 3.8 dB

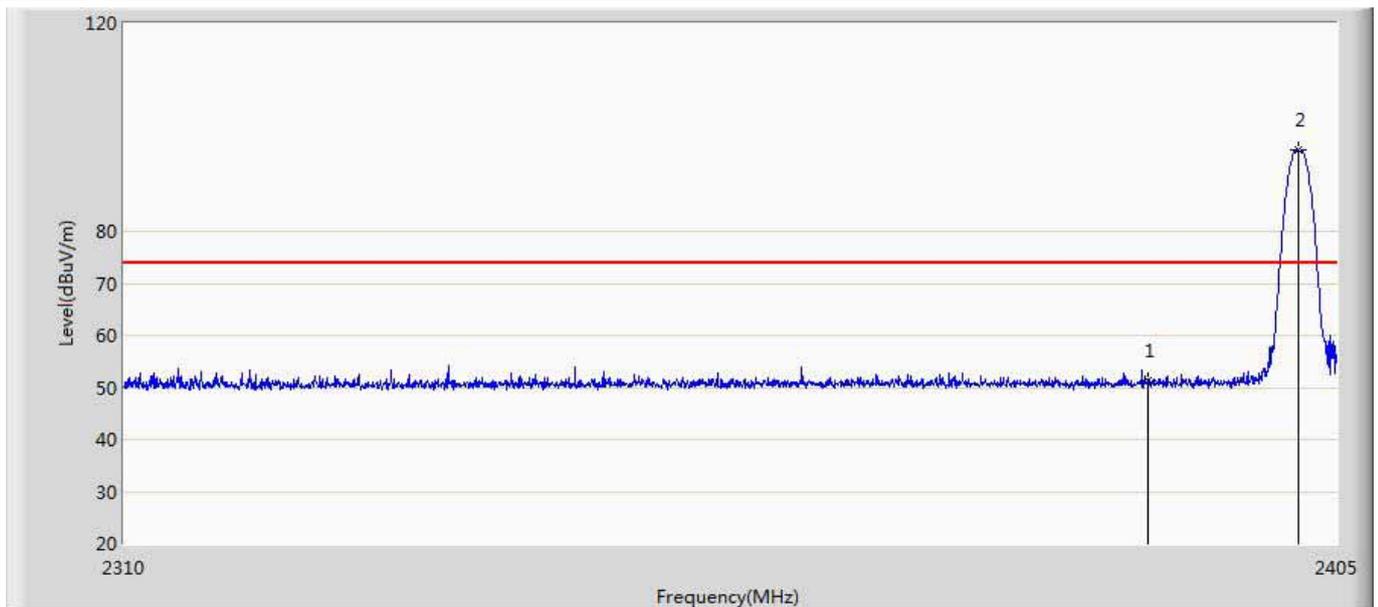
11.6. Duty Factor

Test Mode	Pluse Time (ms)	Pluse Number	Accumulated Transmit Time (ms)	Duty Factor (dB)
Mode 4	2.9	1	2.9	-30.752



11.7. Test Result

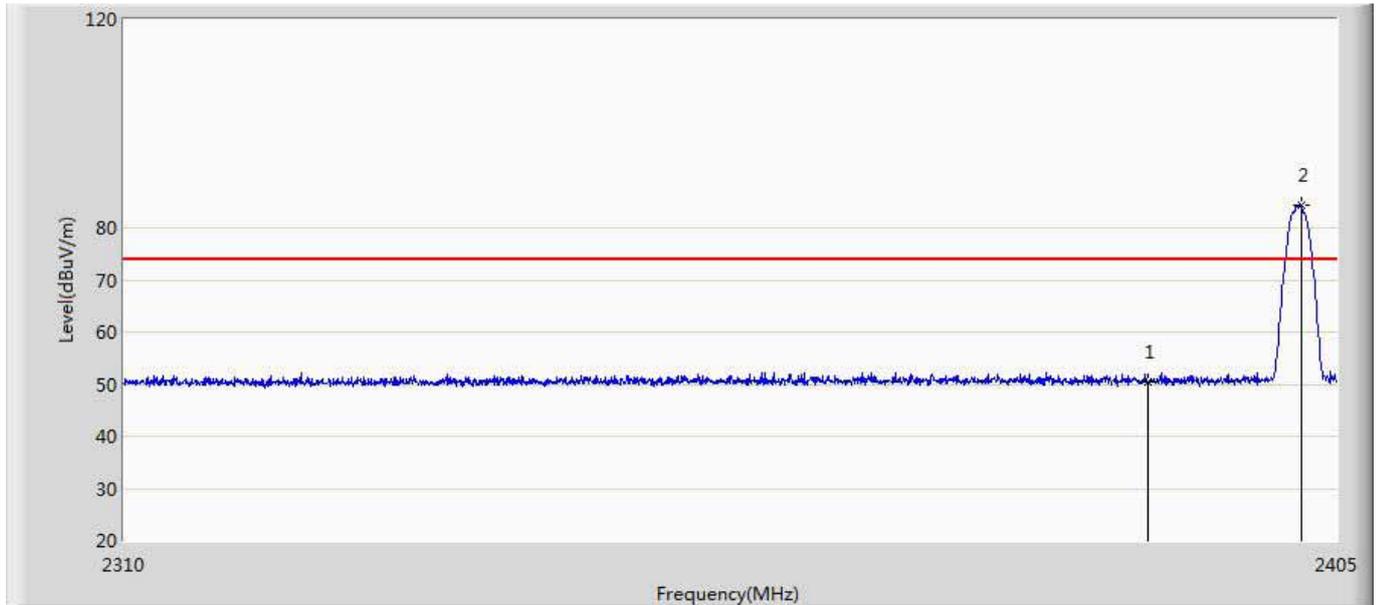
Engineer: Karl	
Site: AC5	Time: 2018/10/17 - 17:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.196	15.514	-22.804	74.000	35.682	PK
2	*	2401.913	95.624	59.912	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.196	20.444	-33.556	54.000	-30.752	AV
2	*	2401.913	95.624	64.872	N/A	N/A	-30.752	AV

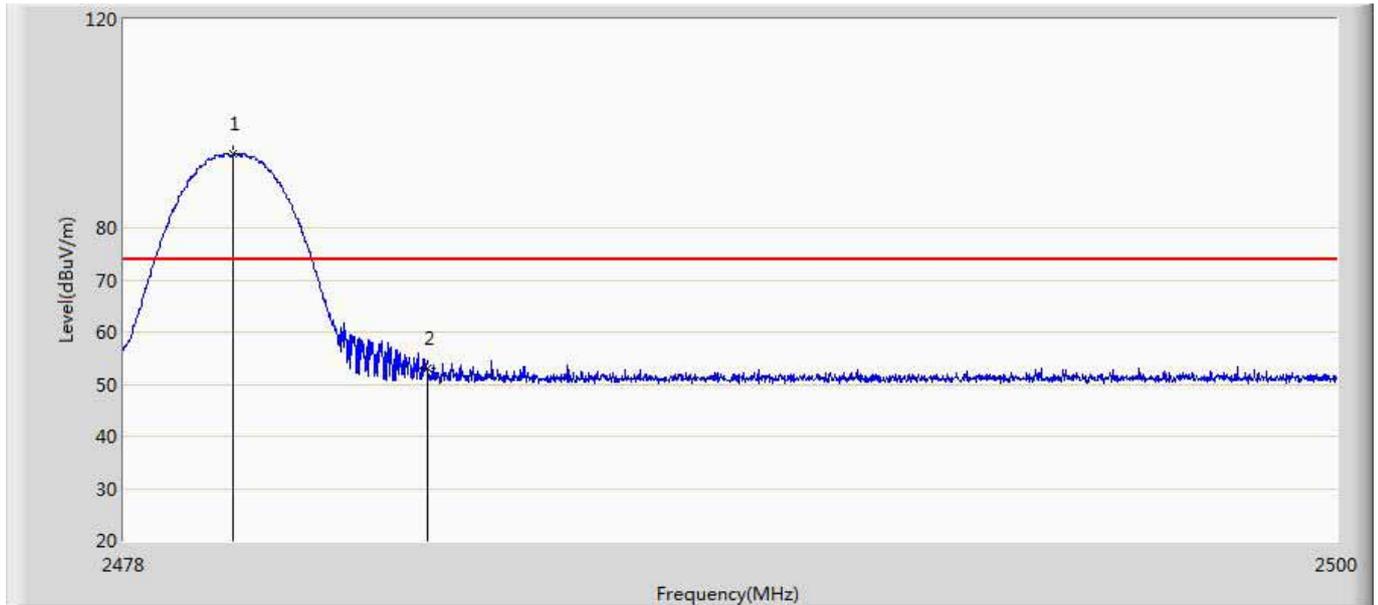
Engineer: Karl	
Site: AC5	Time: 2018/10/17 - 18:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.473	14.791	-23.527	74.000	35.682	PK
2	*	2402.198	84.254	48.541	N/A	N/A	35.714	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.473	19.721	-34.279	54.000	-30.752	AV
2	*	2402.198	84.254	53.502	N/A	N/A	-30.752	AV

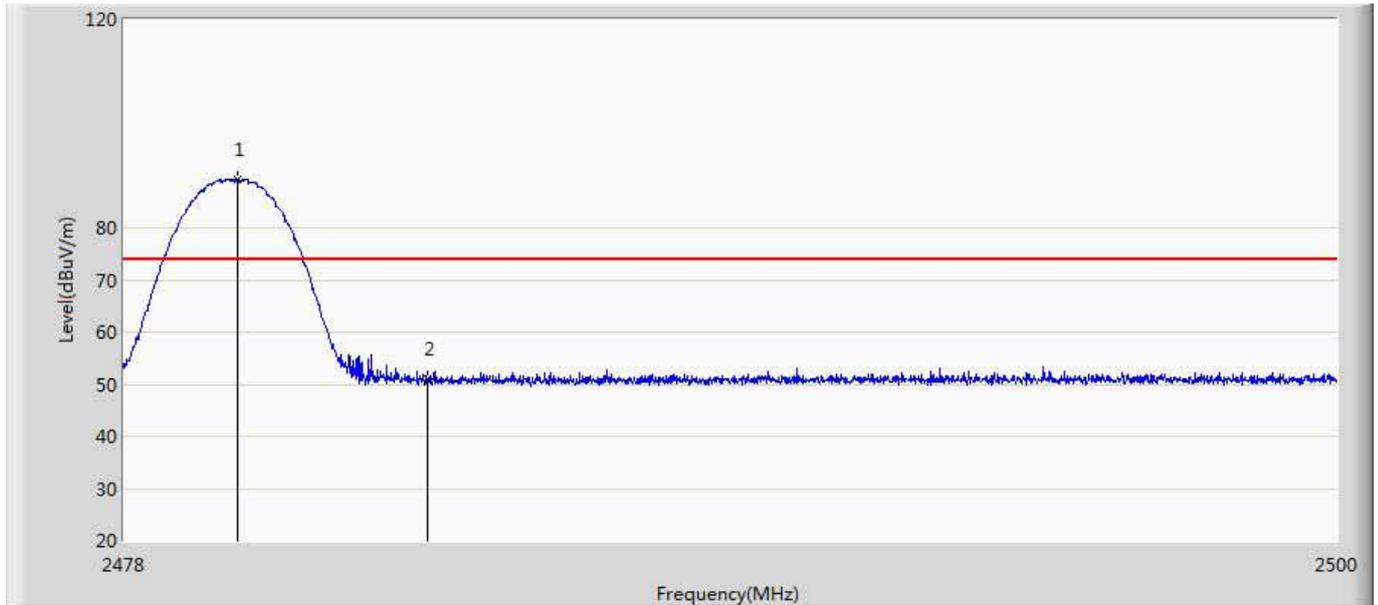
Engineer: Karl	
Site: AC5	Time: 2018/10/17 - 18:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.980	94.143	58.277	N/A	N/A	35.866	PK
2		2483.500	52.909	17.017	-21.091	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.980	94.143	63.391	N/A	N/A	-30.752	AV
2		2483.500	52.909	22.157	-31.843	54.000	-30.752	AV

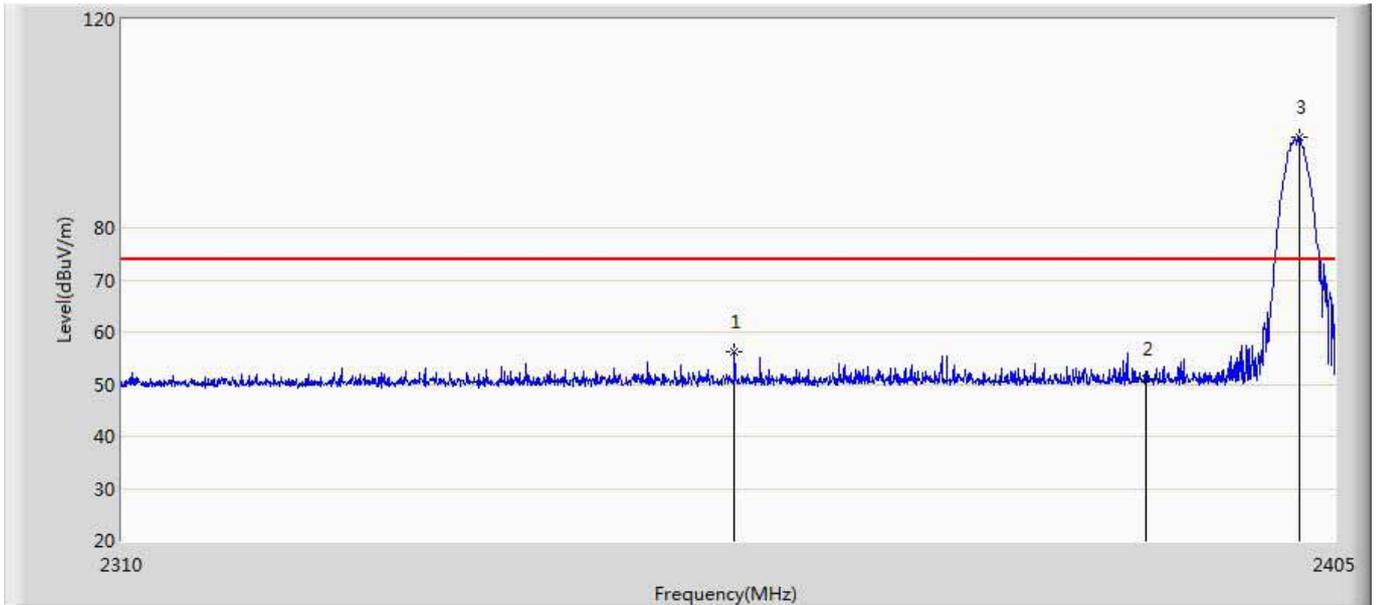
Engineer: Karl	
Site: AC5	Time: 2018/10/17 - 18:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.046	89.300	53.433	N/A	N/A	35.866	PK
2		2483.500	51.157	15.265	-22.843	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.046	89.300	58.548	N/A	N/A	-30.752	AV
2		2483.500	51.157	20.405	-33.595	54.000	-30.752	AV

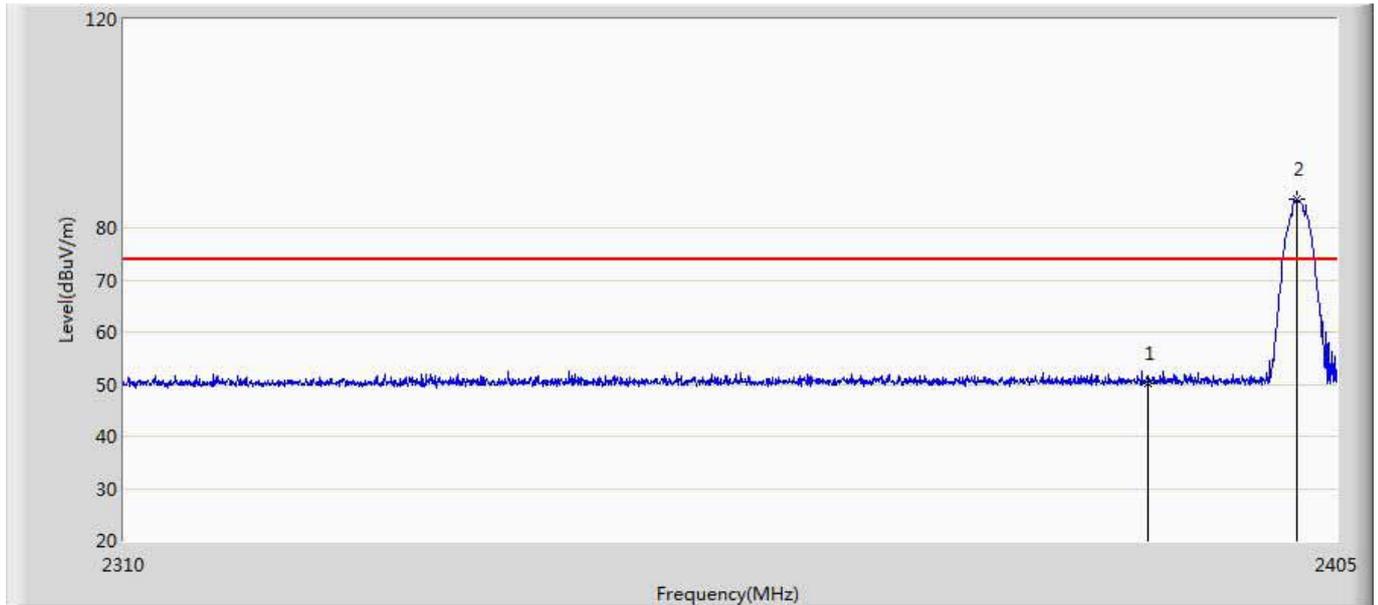
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Site: AC5	Time: 2018/10/17 - 18:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2357.548	56.132	20.521	-17.868	74.000	35.611	PK
2		2390.000	51.146	15.464	-22.854	74.000	35.682	PK
3	*	2402.198	97.326	61.613	N/A	N/A	35.714	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2357.548	56.132	25.380	-28.620	54.000	-30.752	AV
2		2390.000	51.146	20.394	-33.606	54.000	-30.752	AV
3	*	2402.198	97.326	66.574	N/A	N/A	-30.752	AV

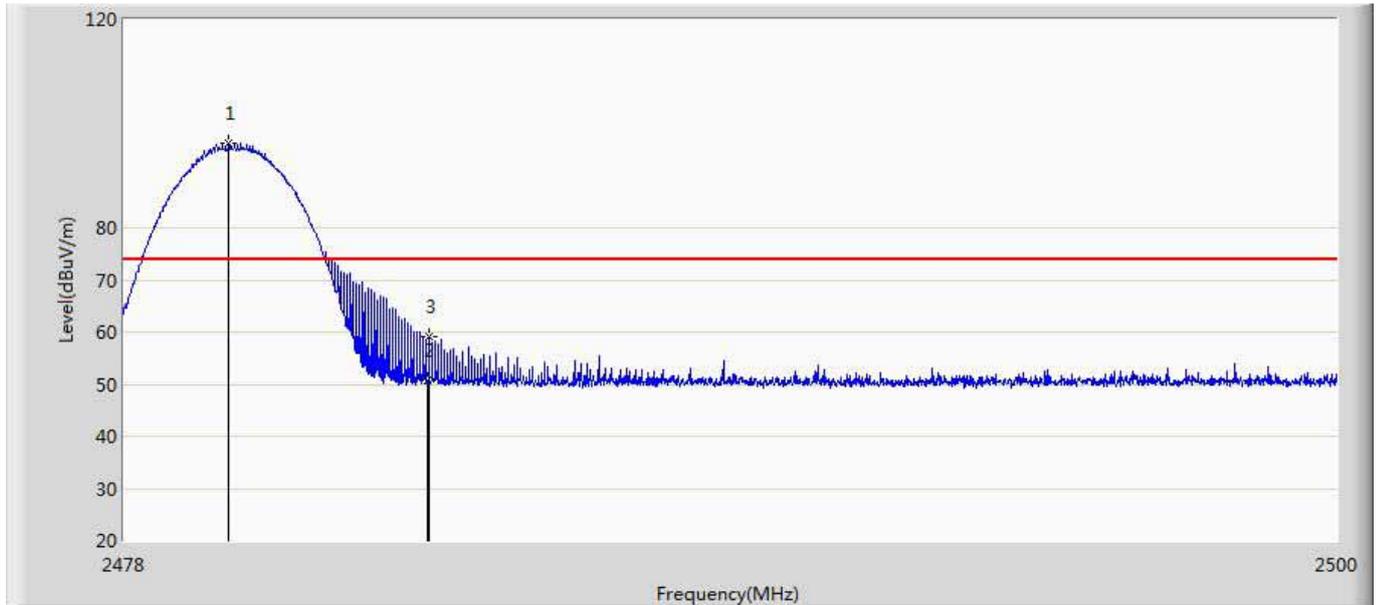
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 14:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.228	14.546	-23.772	74.000	35.682	PK
2	*	2401.817	85.550	49.838	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.228	19.476	-34.524	54.000	-30.752	AV
2	*	2401.817	85.550	54.798	N/A	N/A	-30.752	AV

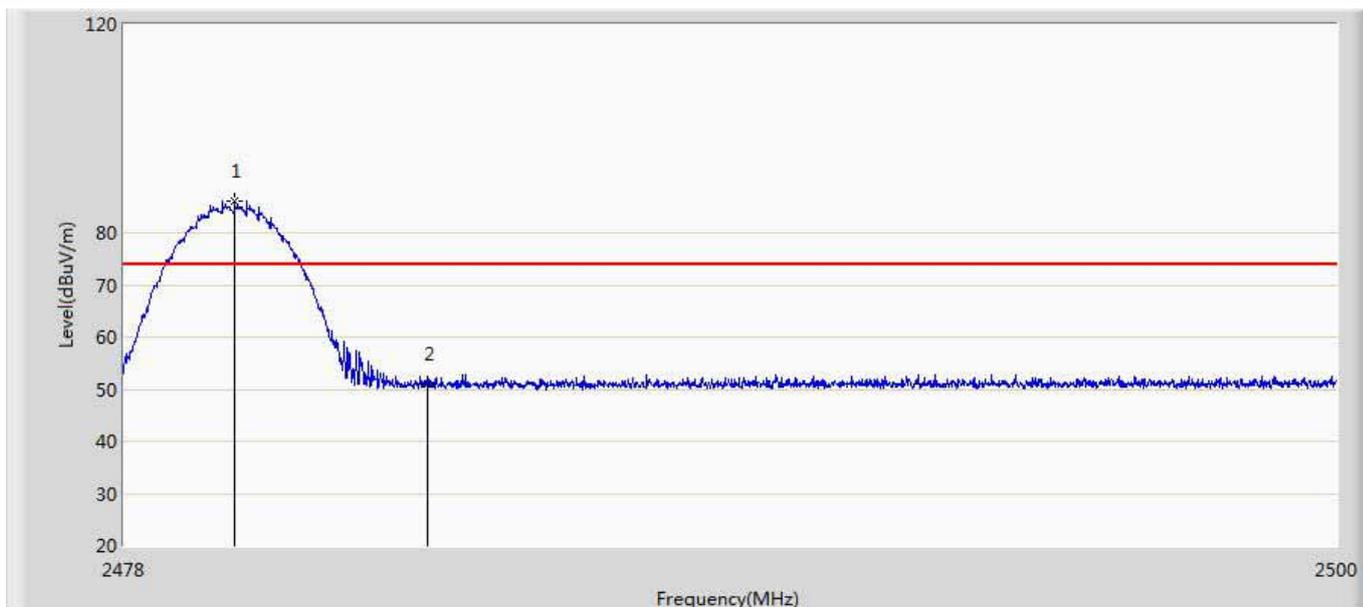
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.892	96.198	60.332	N/A	N/A	35.866	PK
2		2483.500	50.713	14.821	-23.287	74.000	35.891	PK
3		2483.522	59.065	23.173	-14.935	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.892	96.198	65.446	N/A	N/A	-30.752	AV
2		2483.500	50.713	19.961	-34.039	54.000	-30.752	AV
3		2483.522	59.065	28.313	-25.687	54.000	-30.752	AV

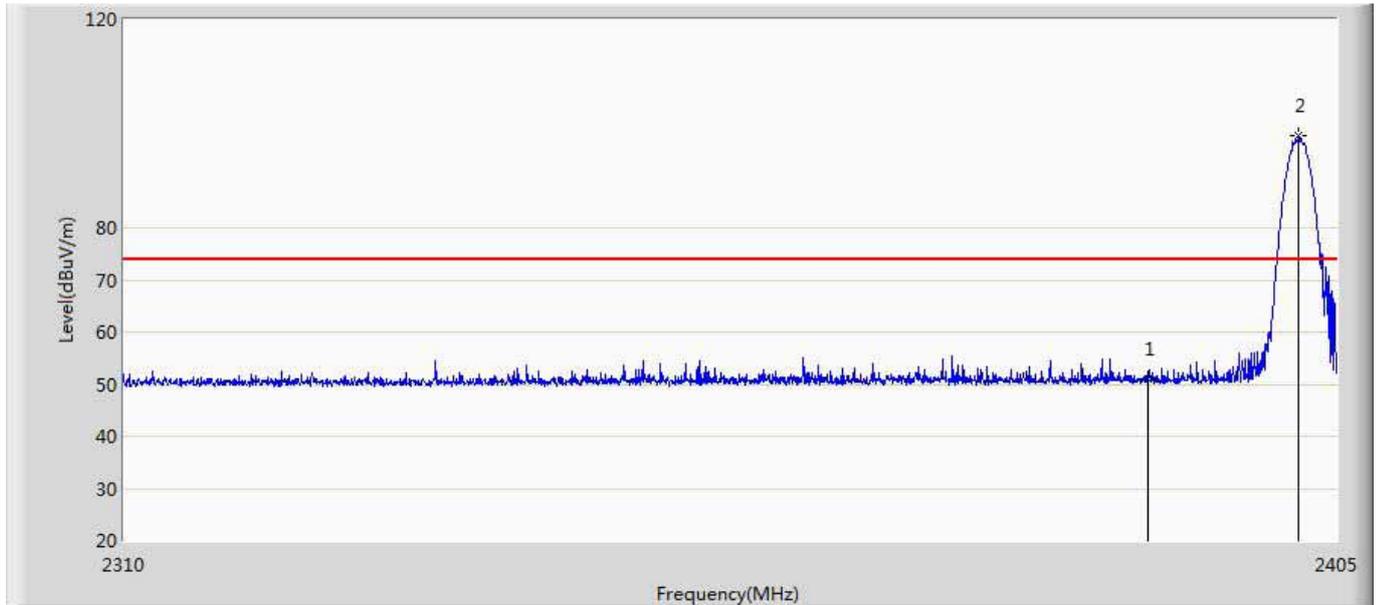
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.002	86.069	50.203	N/A	N/A	35.866	PK
2		2483.500	50.944	15.052	-23.056	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.002	86.069	55.317	N/A	N/A	-30.752	AV
2		2483.500	50.944	20.192	-33.808	54.000	-30.752	AV

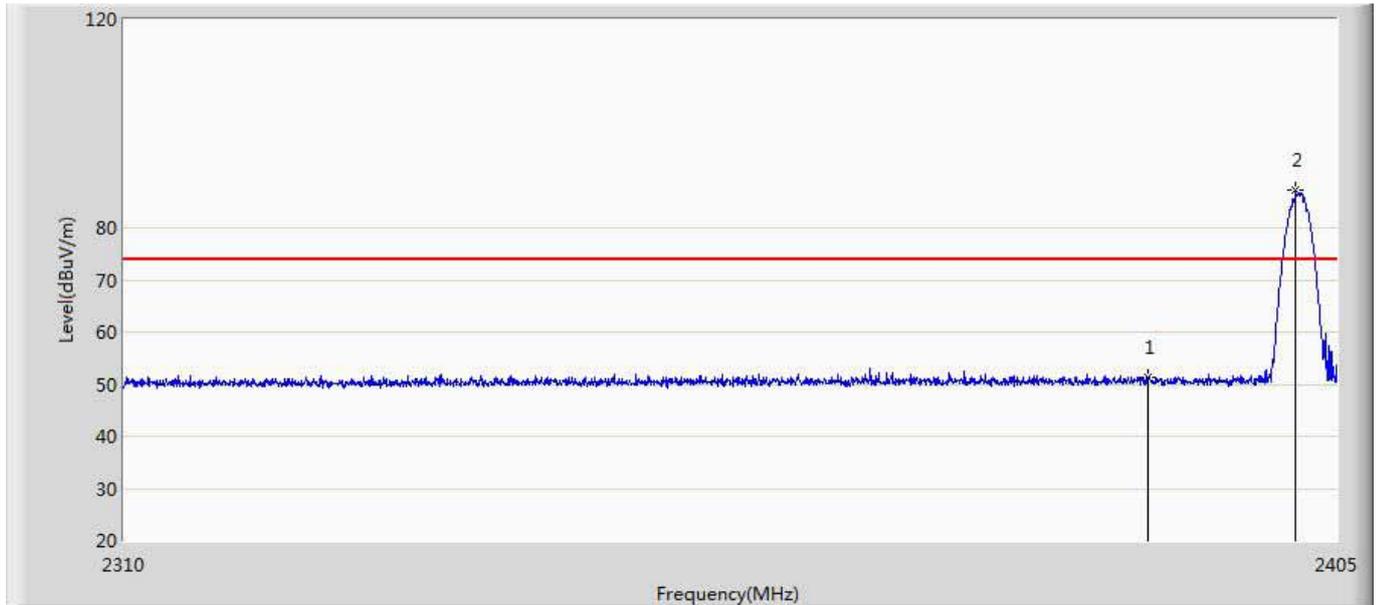
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.149	15.467	-22.851	74.000	35.682	PK
2	*	2401.960	97.601	61.888	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.149	20.397	-33.603	54.000	-30.752	AV
2	*	2401.960	97.601	66.849	N/A	N/A	-30.752	AV

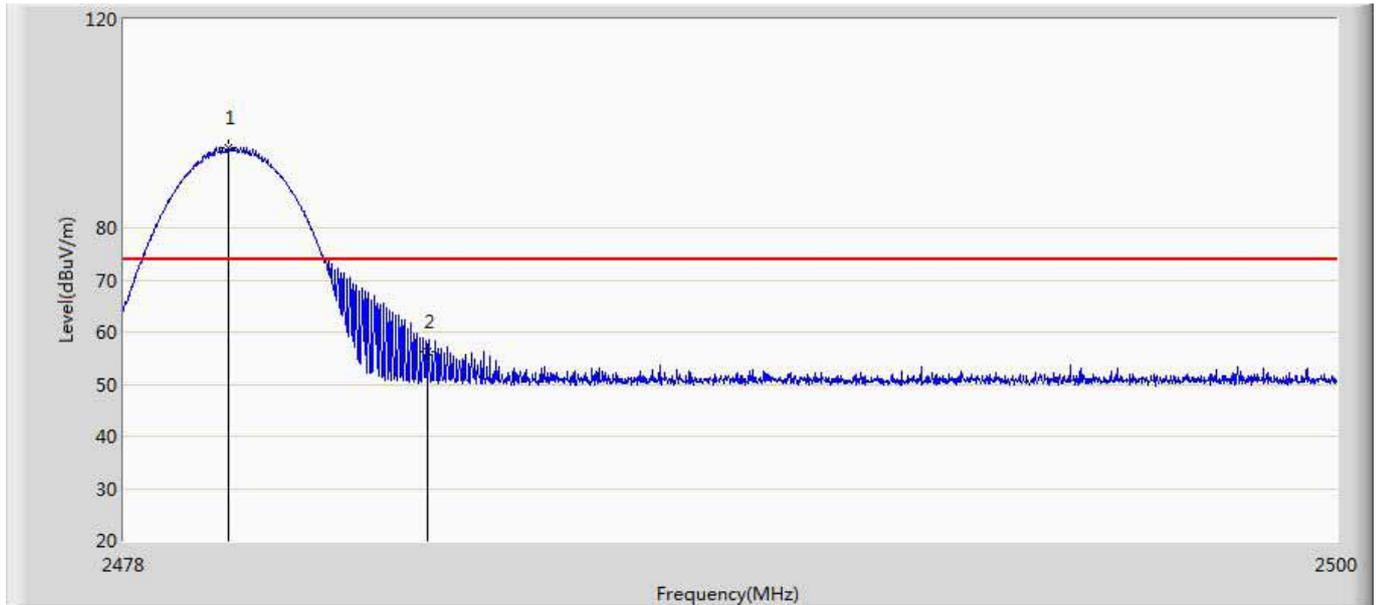
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.167	15.485	-22.833	74.000	35.682	PK
2	*	2401.770	87.194	51.482	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.167	20.415	-33.585	54.000	-30.752	AV
2	*	2401.770	87.194	56.442	N/A	N/A	-30.752	AV

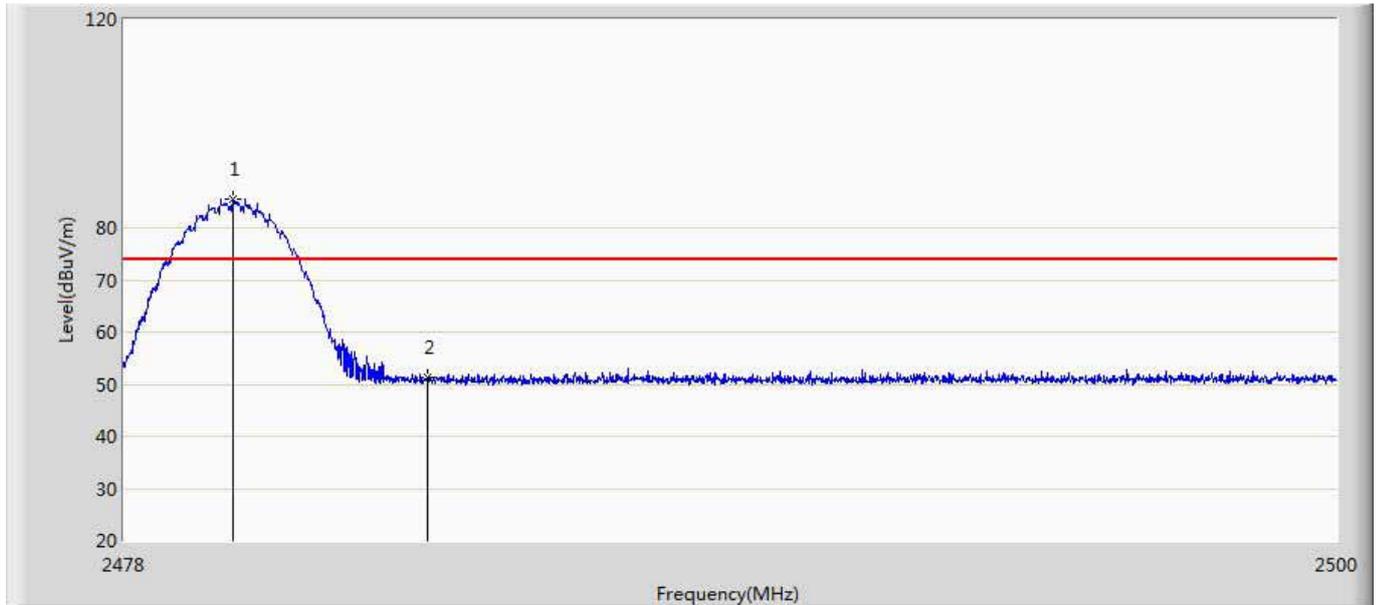
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.892	95.464	59.598	N/A	N/A	35.866	PK
2		2483.500	56.213	20.321	-17.787	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.892	95.464	64.712	N/A	N/A	-30.752	AV
2		2483.500	56.213	25.461	-28.539	54.000	-30.752	AV

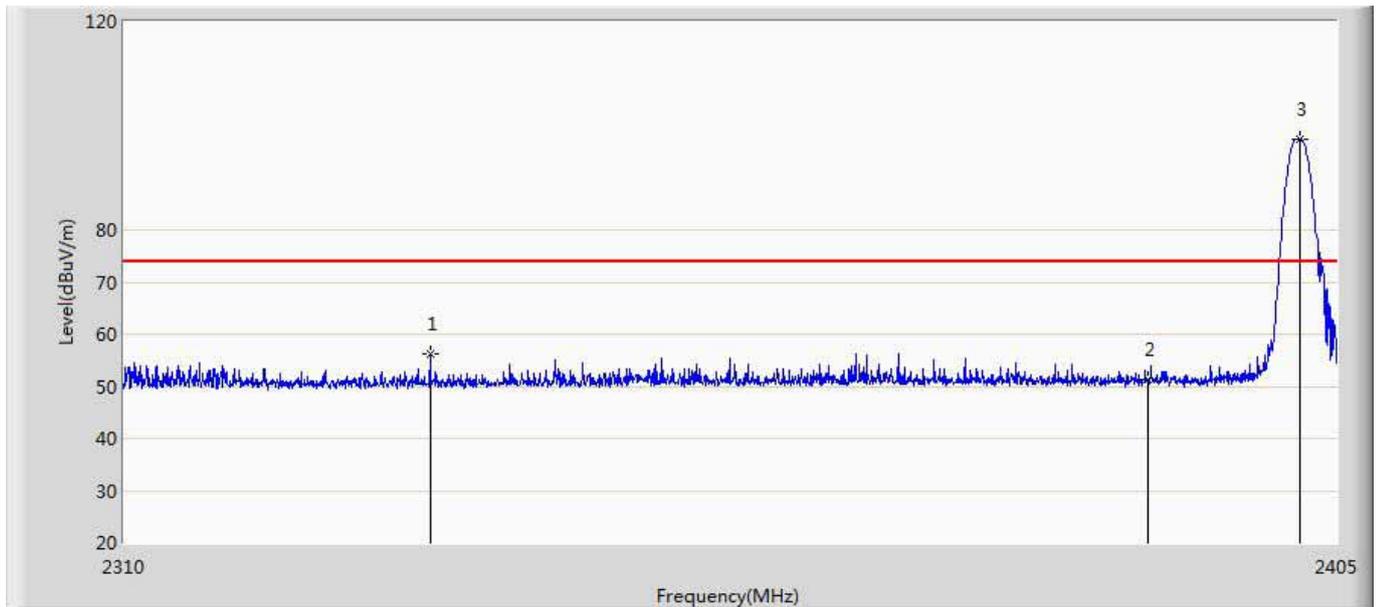
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 15:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with left earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.969	85.506	49.640	N/A	N/A	35.866	PK
2		2483.500	51.216	15.324	-22.784	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.969	85.506	54.754	N/A	N/A	-30.752	AV
2		2483.500	51.216	20.464	-33.536	54.000	-30.752	AV

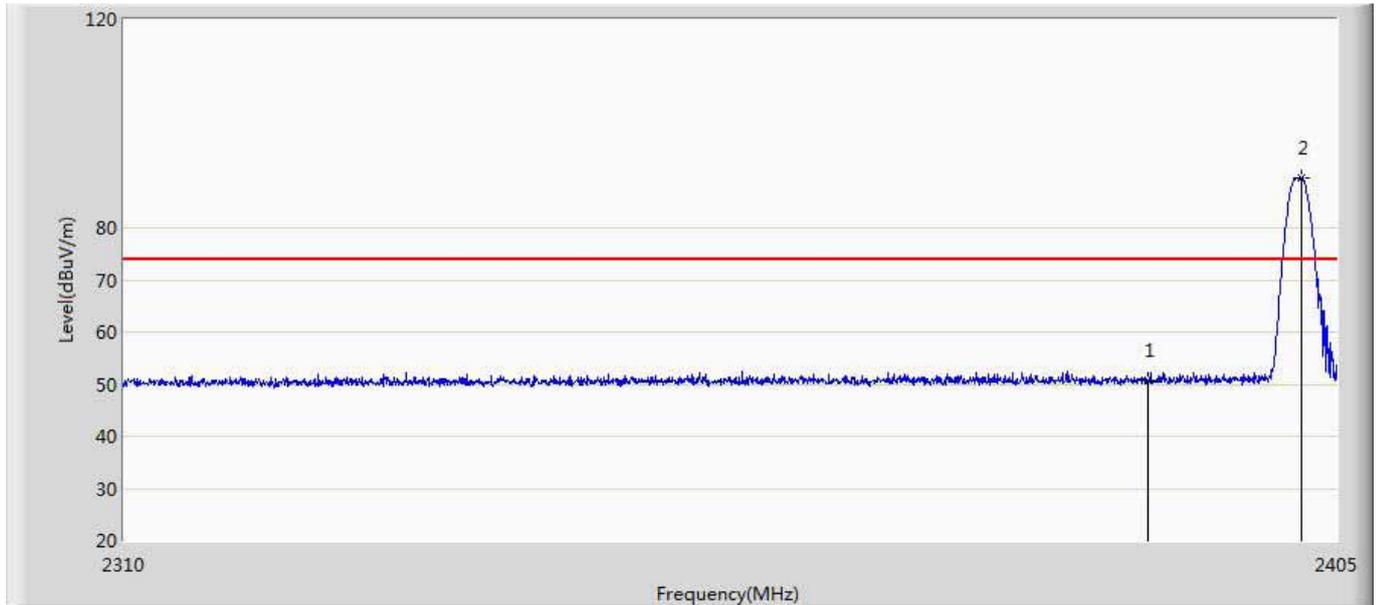
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 16:39
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Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2333.655	56.189	20.622	-17.811	74.000	35.567	PK
2		2390.000	51.235	15.553	-22.765	74.000	35.682	PK
3	*	2402.055	97.486	61.773	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2333.655	56.189	25.437	-28.563	54.000	-30.752	AV
2		2390.000	51.235	20.483	-33.517	54.000	-30.752	AV
3	*	2402.055	97.486	66.734	N/A	N/A	-30.752	AV

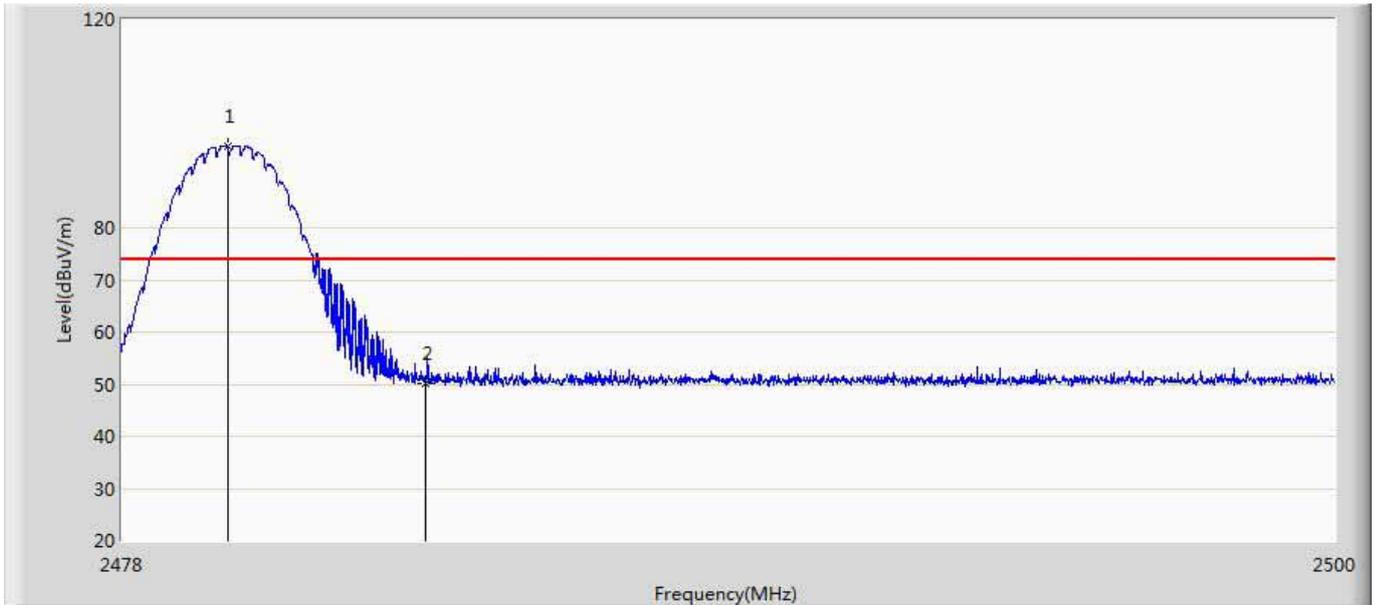
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 16:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2402MHz by DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.652	14.970	-23.348	74.000	35.682	PK
2	*	2402.198	89.685	53.972	N/A	N/A	35.714	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.652	19.900	-34.100	54.000	-30.752	AV
2	*	2402.198	89.685	58.933	N/A	N/A	-30.752	AV

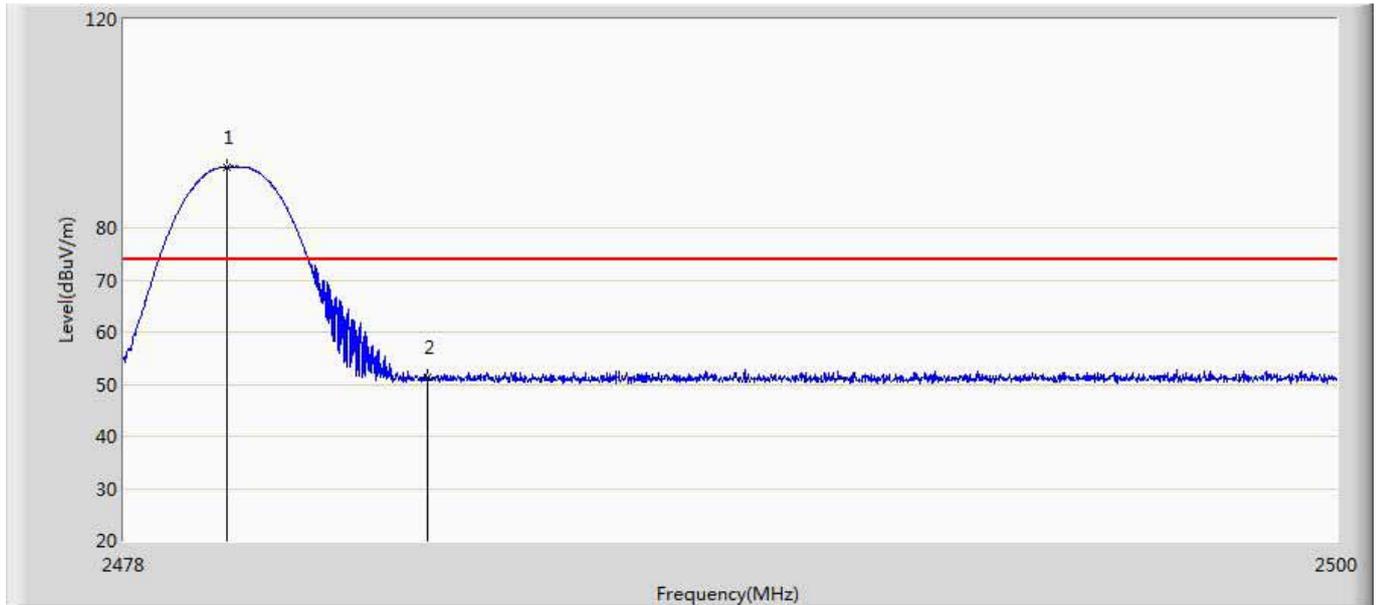
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.914	95.755	59.889	N/A	N/A	35.866	PK
2		2483.500	50.144	14.252	-23.856	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.914	95.755	65.003	N/A	N/A	-30.752	AV
2		2483.500	50.144	19.392	-34.608	54.000	-30.752	AV

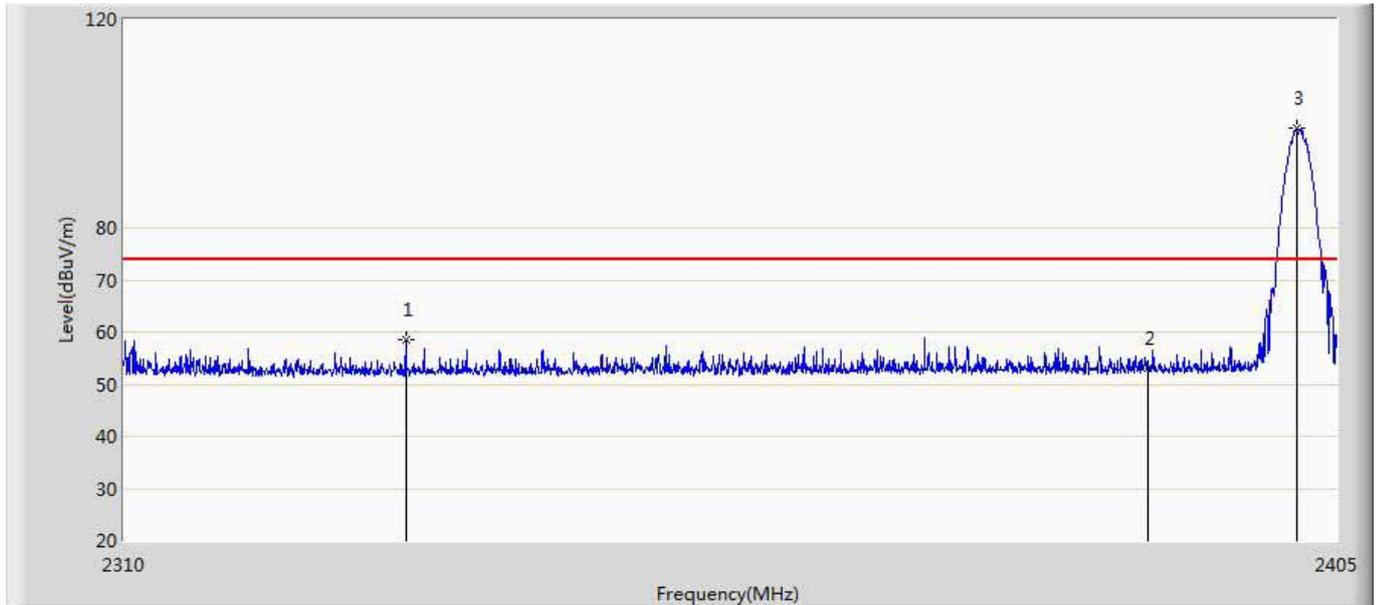
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 16:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 1:Transmit at 2480MHz by DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.870	91.699	55.834	N/A	N/A	35.865	PK
2		2483.500	51.213	15.321	-22.787	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.870	91.699	60.947	N/A	N/A	-30.752	AV
2		2483.500	51.213	20.461	-33.539	54.000	-30.752	AV

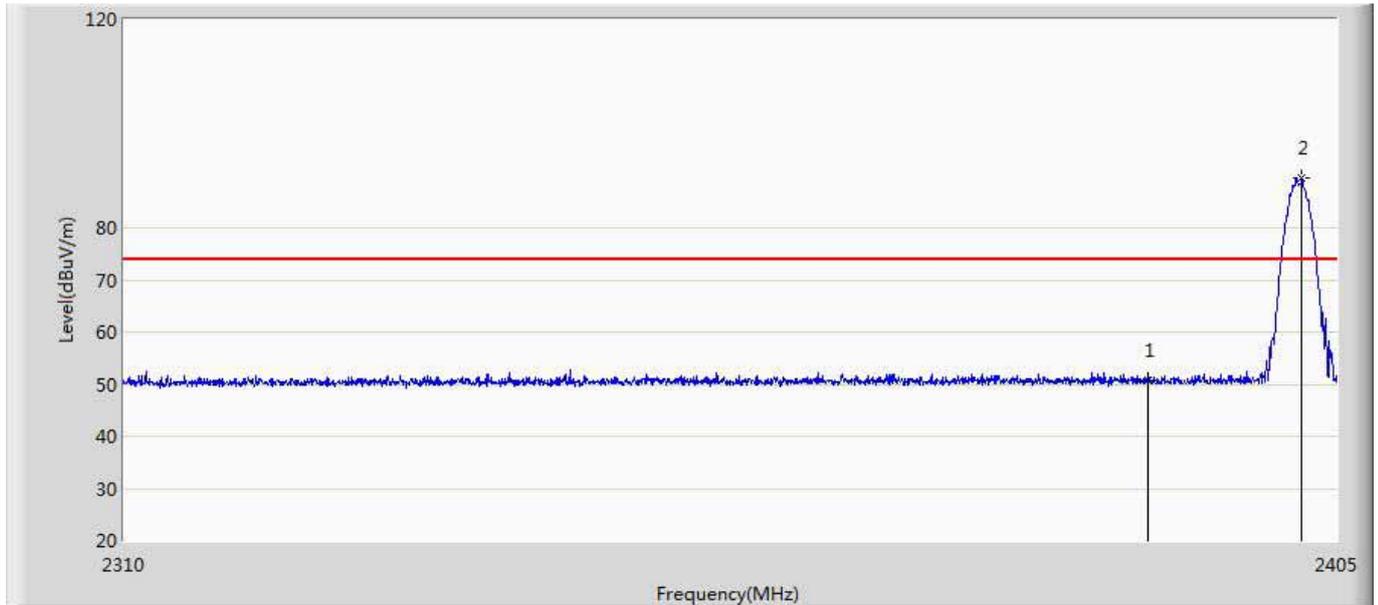
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 17:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2331.755	58.656	23.095	-15.344	74.000	35.561	PK
2		2390.000	52.913	17.231	-21.087	74.000	35.682	PK
3	*	2401.817	99.052	63.340	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2331.755	58.656	27.904	-26.096	54.000	-30.752	AV
2		2390.000	52.913	22.161	-31.839	54.000	-30.752	AV
3	*	2401.817	99.052	68.300	N/A	N/A	-30.752	AV

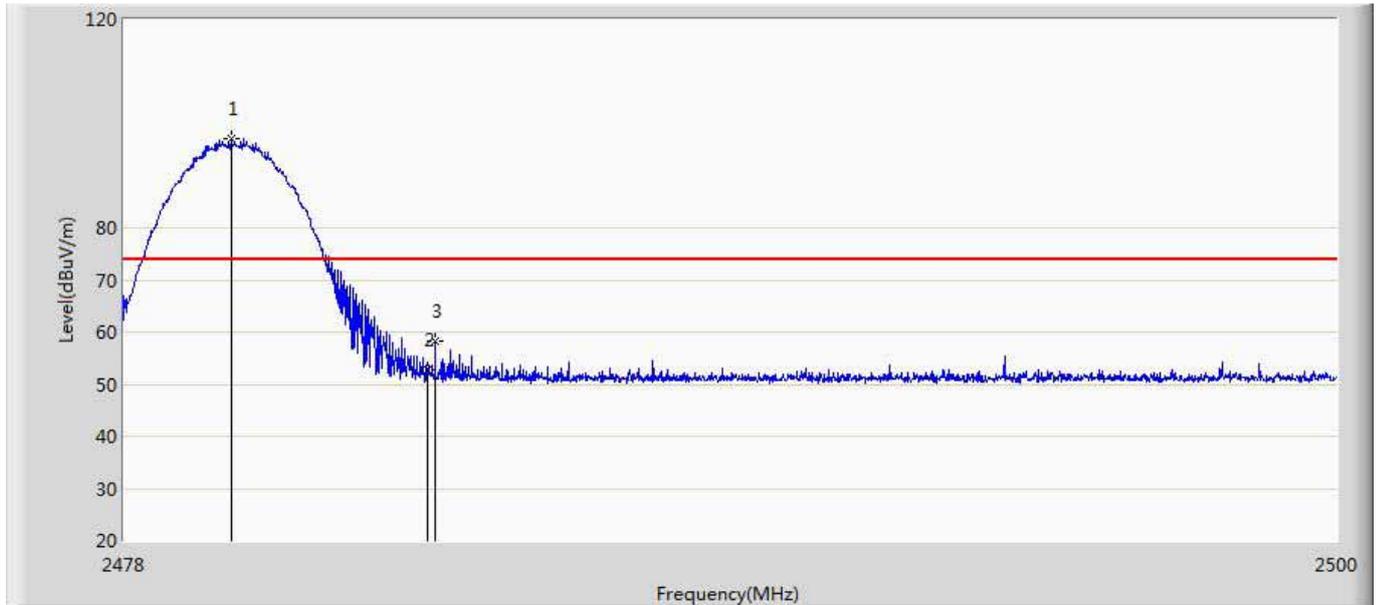
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Site: AC5	Time: 2018/10/19 - 17:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2402MHz by 2DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.689	15.007	-23.311	74.000	35.682	PK
2	*	2402.245	89.625	53.912	N/A	N/A	35.714	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.689	19.937	-34.063	54.000	-30.752	AV
2	*	2402.245	89.625	58.873	N/A	N/A	-30.752	AV

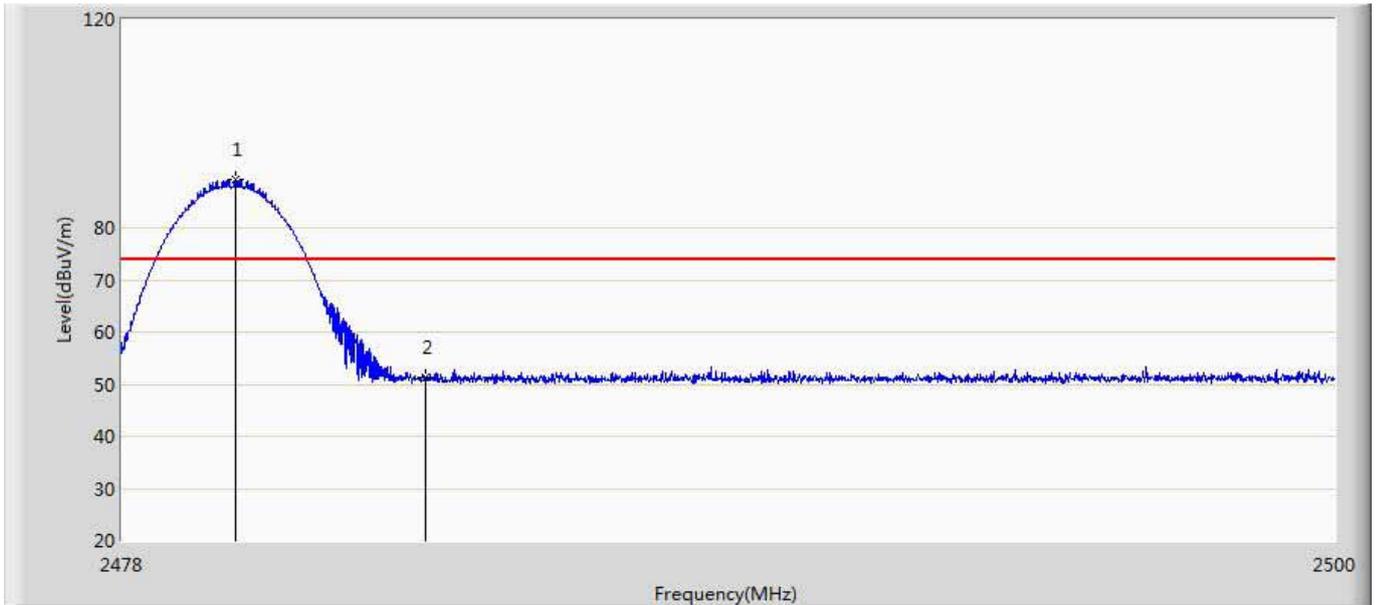
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 17:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.947	97.118	61.252	N/A	N/A	35.866	PK
2		2483.500	52.622	16.730	-21.378	74.000	35.891	PK
3		2483.632	58.197	22.304	-15.803	74.000	35.892	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2479.947	97.118	66.366	N/A	N/A	-30.752	AV
2		2483.500	52.622	21.870	-32.130	54.000	-30.752	AV
3		2483.632	58.197	27.445	-26.555	54.000	-30.752	AV

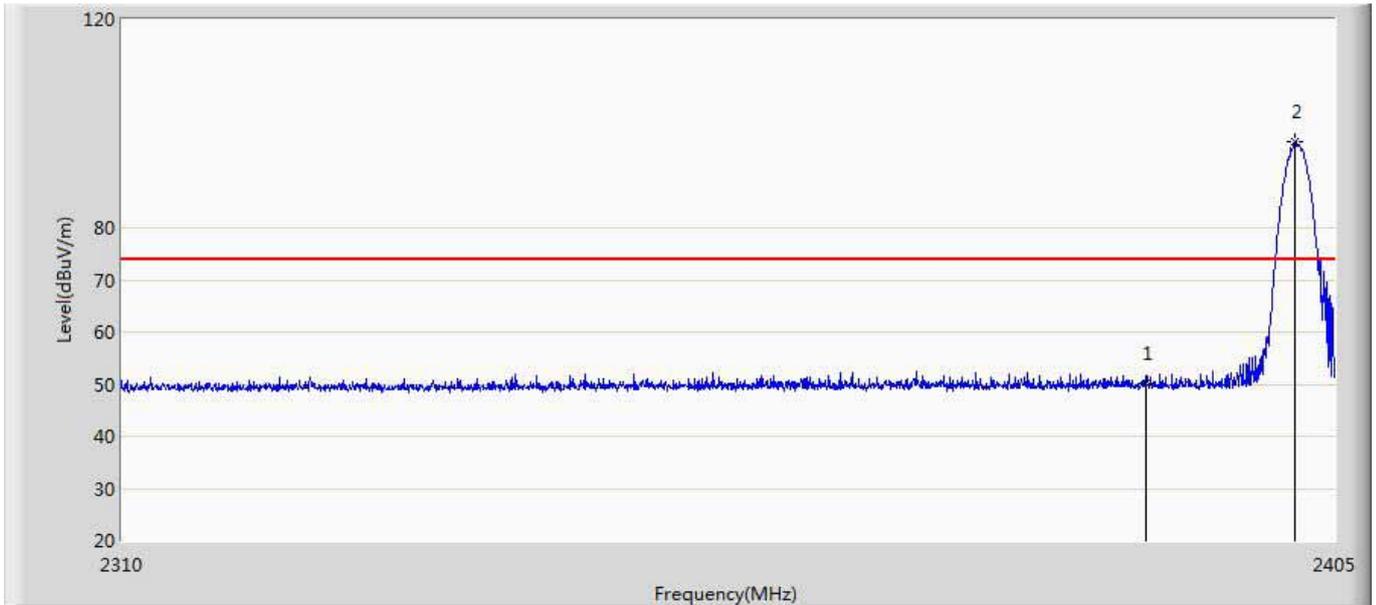
Engineer: Karl	
Site: AC5	Time: 2018/10/19 - 17:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 2:Transmit at 2480MHz by 2DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.046	89.196	53.329	N/A	N/A	35.866	PK
2		2483.500	51.437	15.545	-22.563	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.046	89.196	58.444	N/A	N/A	-30.752	AV
2		2483.500	51.437	20.685	-33.315	54.000	-30.752	AV

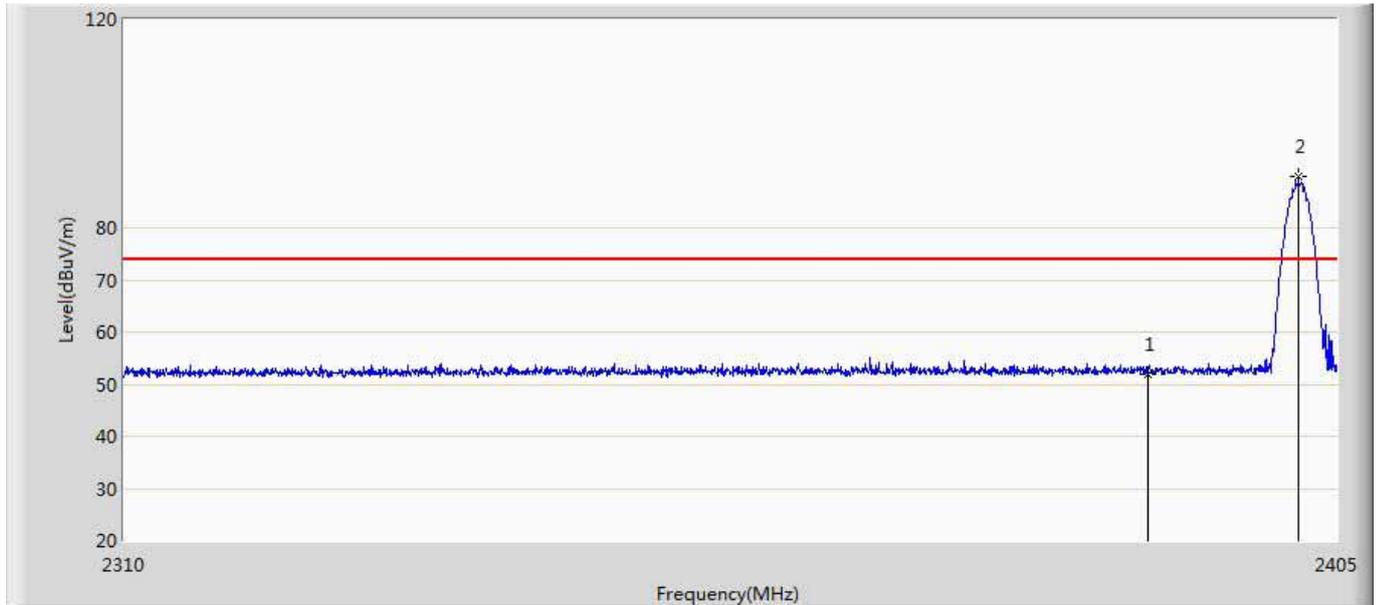
Engineer: Karl	
Site: AC5	Time: 2018/10/21 - 16:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.279	14.597	-23.721	74.000	35.682	PK
2	*	2401.890	96.547	60.835	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	50.279	19.527	-34.473	54.000	-30.752	AV
2	*	2401.890	96.547	65.795	N/A	N/A	-30.752	AV

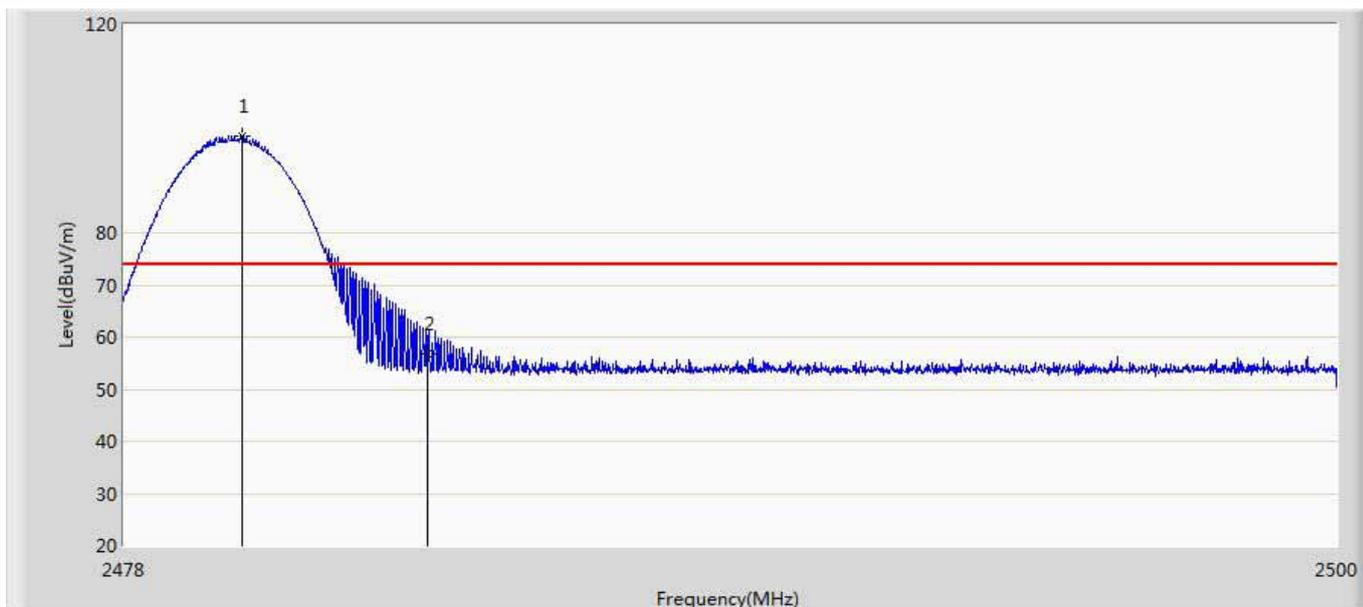
Engineer: Karl	
Site: AC5	Time: 2018/10/21 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2402MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.849	16.167	-22.151	74.000	35.682	PK
2	*	2401.997	89.874	54.161	N/A	N/A	35.712	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.849	21.097	-32.903	54.000	-30.752	AV
2	*	2401.997	89.874	59.122	N/A	N/A	-30.752	AV

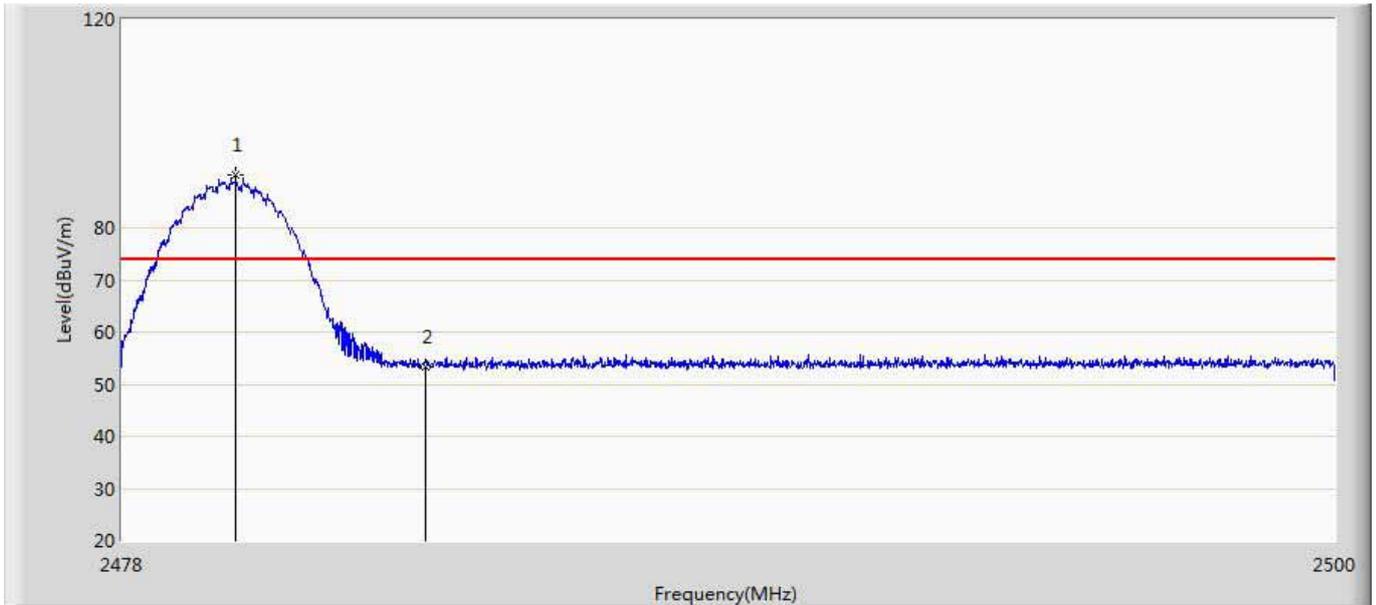
Engineer: Karl	
Site: AC5	Time: 2018/10/21 - 16:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.143	98.543	62.676	N/A	N/A	35.867	PK
2		2483.500	56.742	20.850	-17.258	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.143	98.543	67.791	N/A	N/A	-30.752	AV
2		2483.500	56.742	25.990	-28.010	54.000	-30.752	AV

Engineer: Karl	
Site: AC5	Time: 2018/10/21 - 16:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Bluetooth Headphones	Power: DC 3.84V
Note: Mode 3:Transmit at 2480MHz by 3DH5 with right earphone	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.049	90.247	54.380	N/A	N/A	35.866	PK
2		2483.500	53.468	17.576	-20.532	74.000	35.891	PK

No	Mark	Frequency (MHz)	PK Level (dBuV/m)	AV Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2480.049	90.247	59.495	N/A	N/A	-30.752	AV
2		2483.500	53.468	22.716	-31.284	54.000	-30.752	AV

12. Antenna Requirement

12.1. Limit

Antenna Requirement Limit
<p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p>

12.2. Antenna Connector Construction

Antenna Connector Construction	
<input checked="" type="checkbox"/>	The use of a permanently attached antenna
<input type="checkbox"/>	The antenna use of a unique coupling to the intentional radiator
<input type="checkbox"/>	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

_____ The End _____