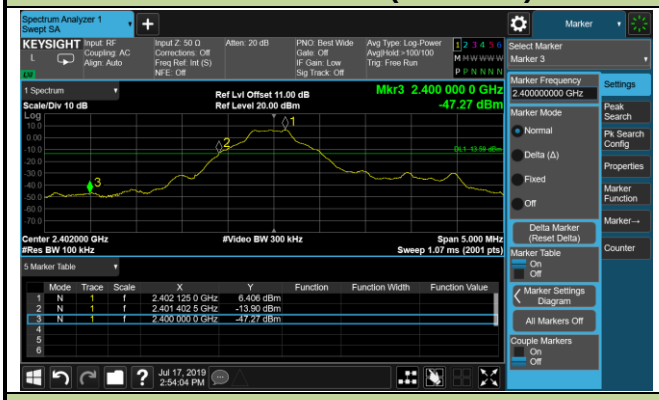
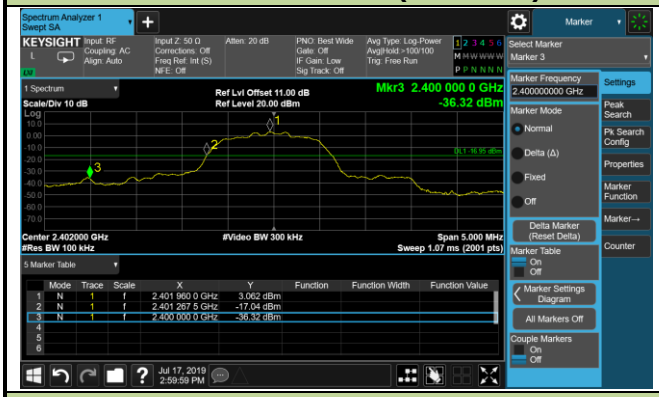
Band-edge Compliance

DH5 - Channel 00 (2402MHz)



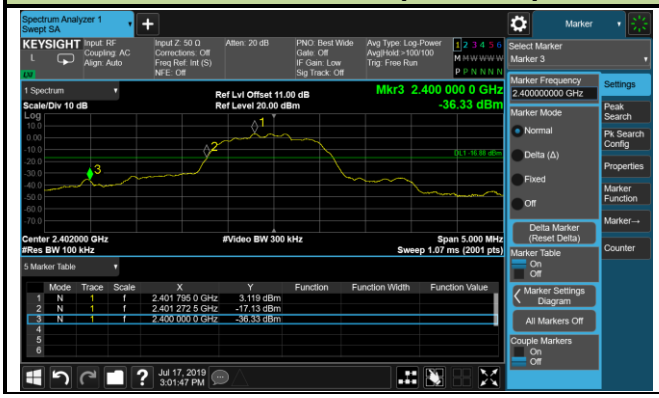
DH5 - Channel 78 (2480MHz)

2DH5 - Channel 00 (2402MHz)



2DH5 - Channel 78 (2480MHz)

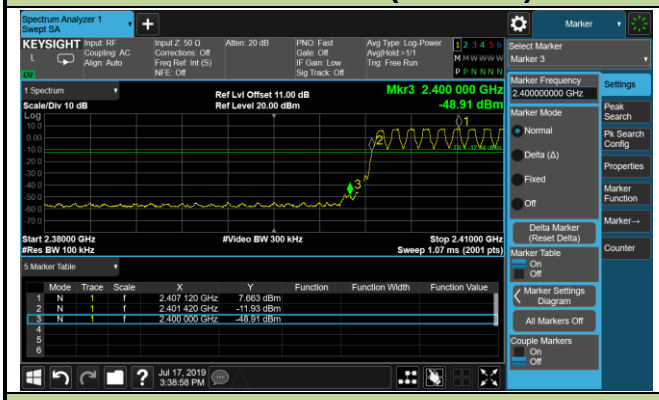
3DH5 - Channel 00 (2402MHz)



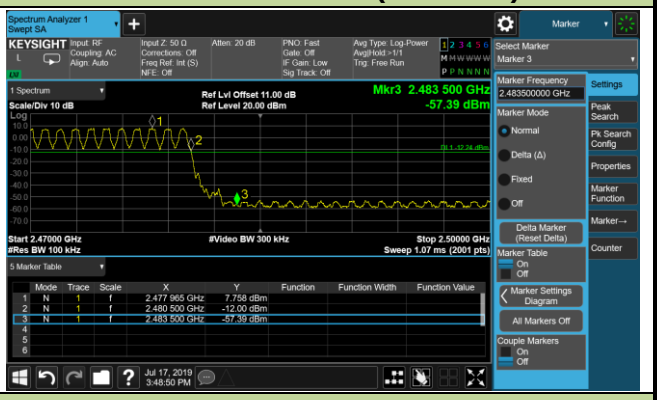
3DH5 - Channel 78 (2480MHz)

Operation Frequency Range of 20dB Bandwidth within Hopping Mode

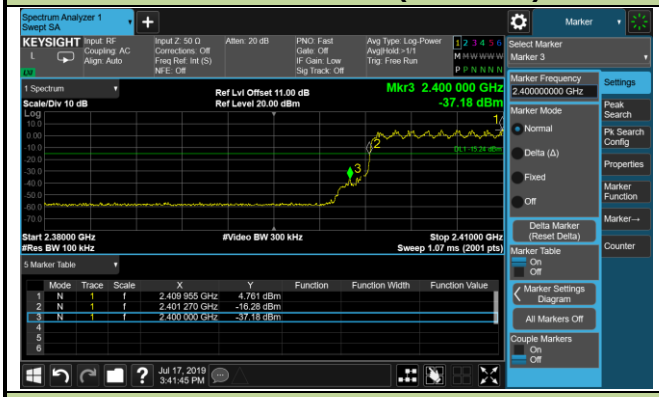
DH5 - Channel 00 (2402MHz)



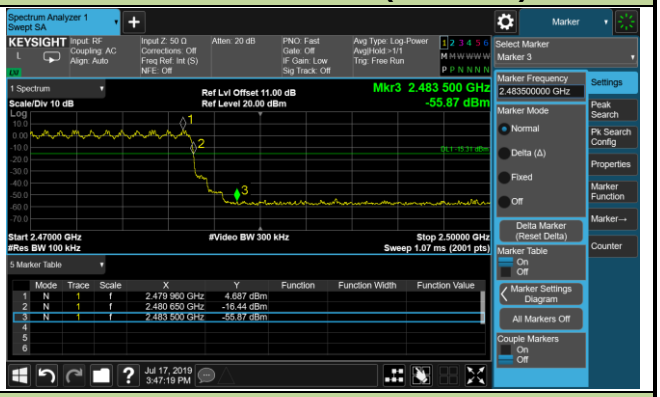
DH5 - Channel 78 (2480MHz)



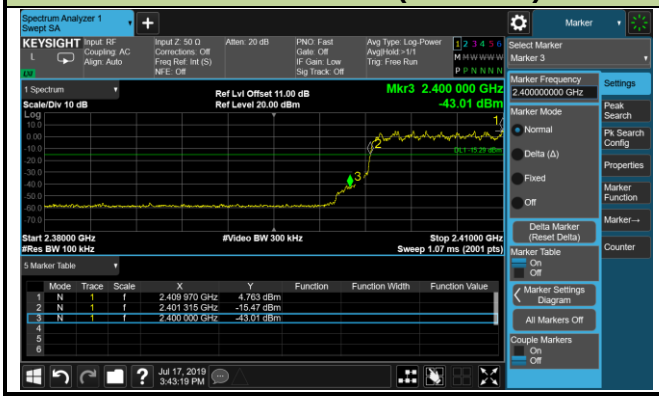
2DH5 - Channel 00 (2402MHz)



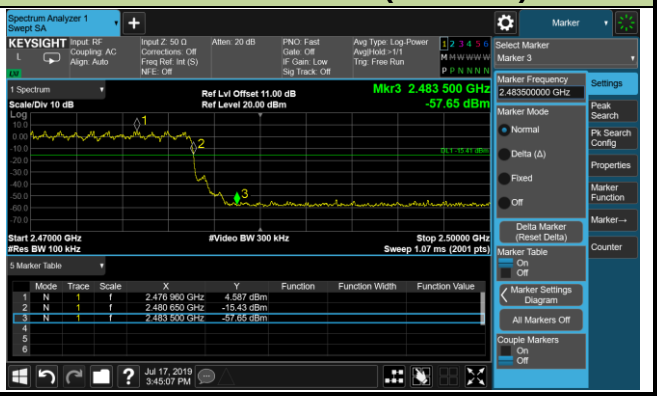
2DH5 - Channel 78 (2480MHz)



3DH5 - Channel 00 (2402MHz)



3DH5 - Channel 78 (2480MHz)



7.8. Conducted Spurious Emissions Measurement

7.8.1.Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

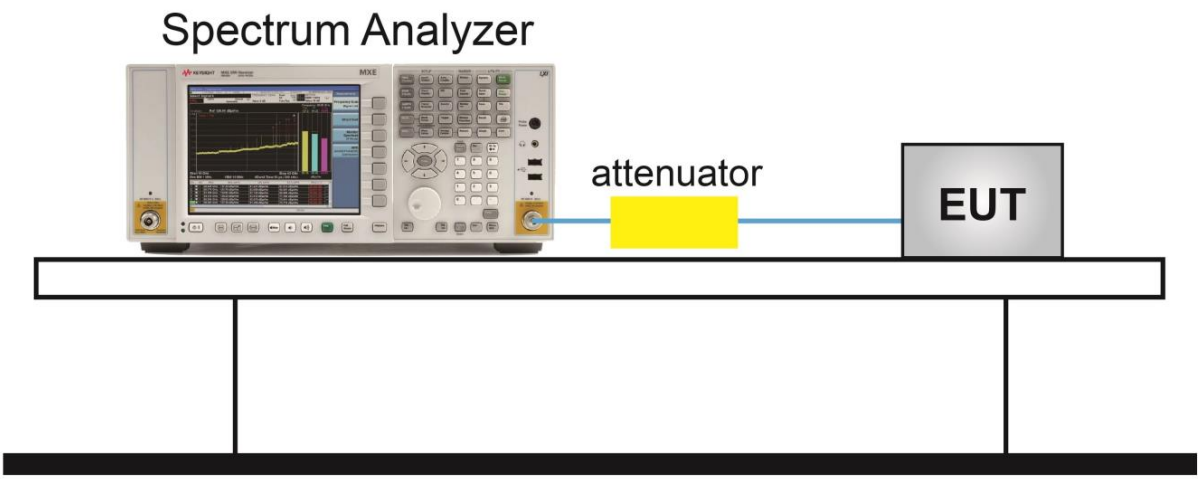
7.8.2.Test Procedure Used

ANSI C63.10-2013 - Section 7.8.8

7.8.3.Test Setting

1. Span = Wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize
8. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

7.8.4.Test Setup



7.8.5.Test Result

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Snake Ni	Relative Humidity	52%
Test Site	TR3	Test Date	2019/07/17

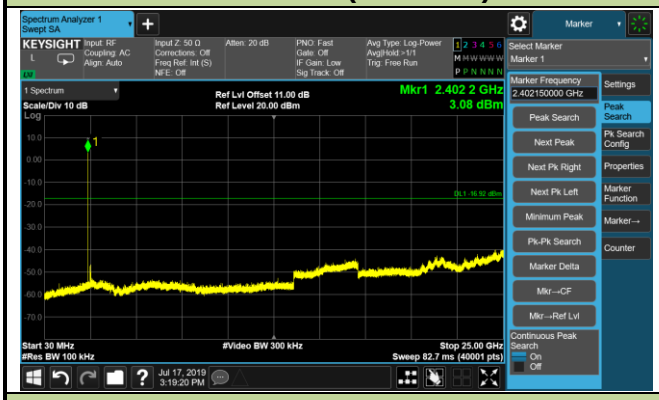
Test Mode	Channel No.	Frequency (MHz)	Limit (MHz)	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass

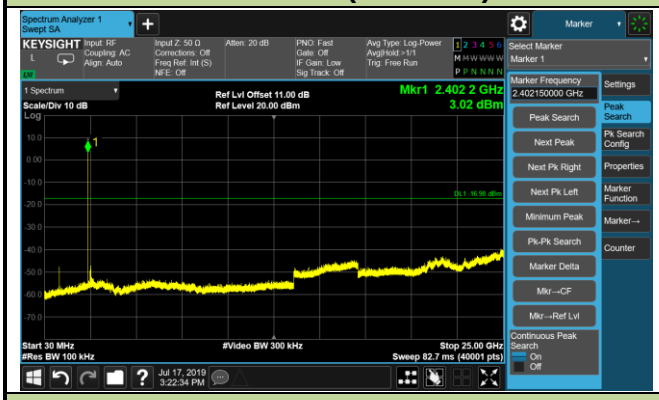
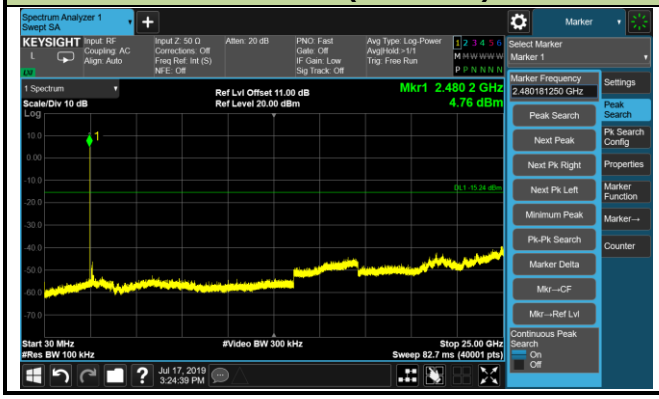
DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)

Channel 39 (2441MHz)

Channel 78 (2480MHz)

2DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	**Channel 39 (2441MHz)**
	
Channel 78 (2480MHz)	

3DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	**Channel 39 (2441MHz)**
	
Channel 78 (2480MHz)	
	

7.9. Radiated Spurious Emission Measurement

7.9.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength (μV/m)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2.Test Procedure Used

ANSI C63.10 - Section 6.3 (General Requirements)

ANSI C63.10 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - Section 6.6 (Standard test method above 1GHz)

7.9.3.Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = As specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = Auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

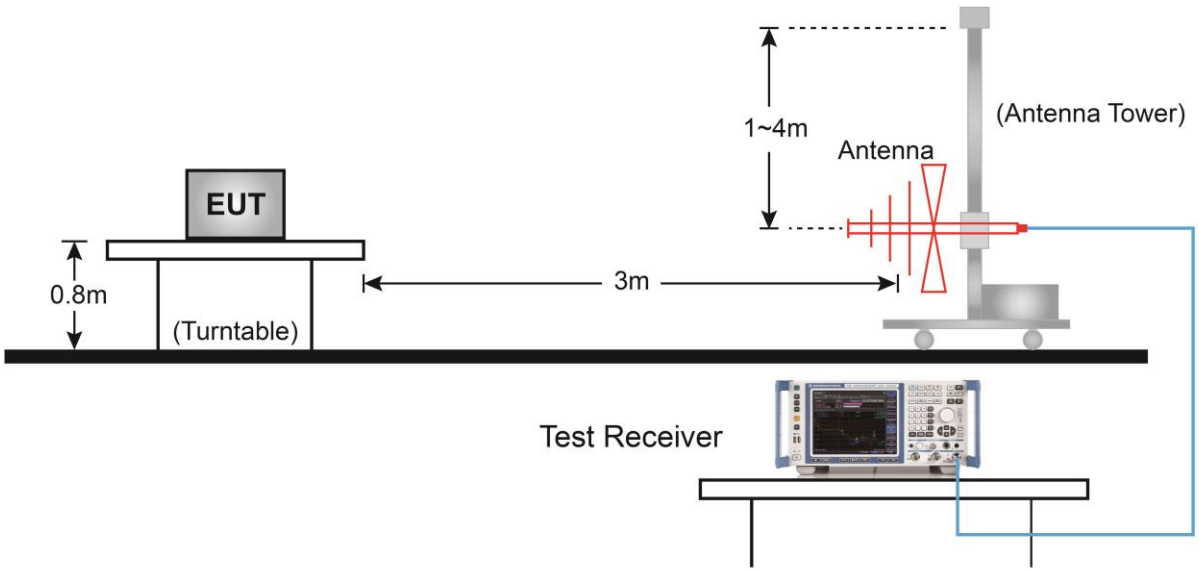
Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10Hz

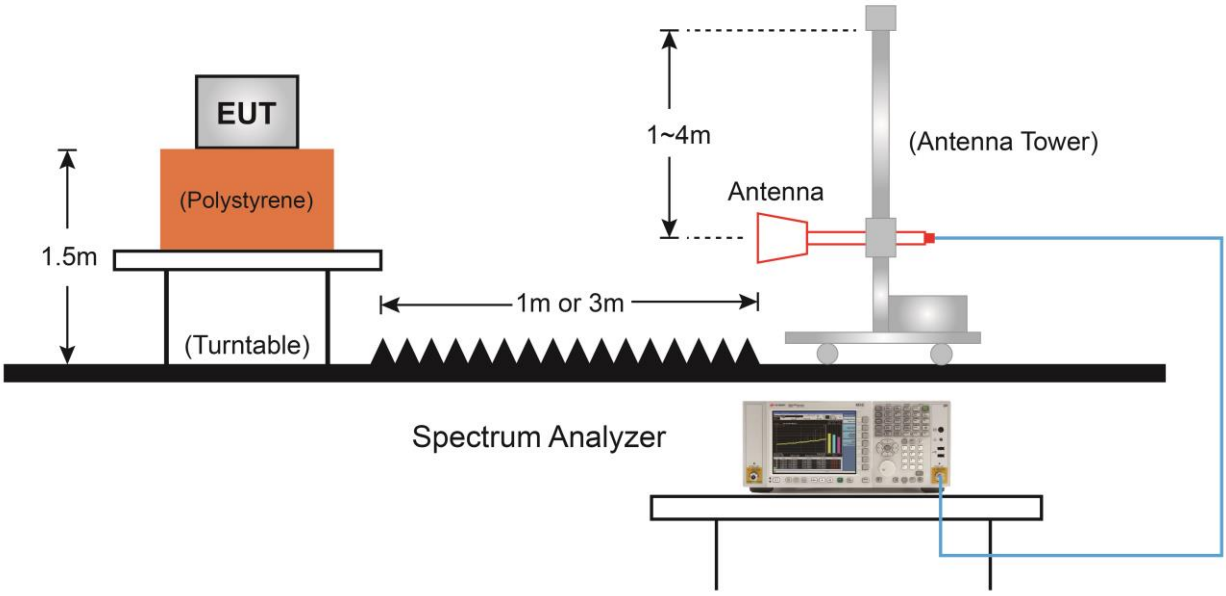
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
4. Detector = Peak
5. Sweep time = Auto
6. Trace mode = Max hold
7. Trace was allowed to stabilize

7.9.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.9.5.Test Result

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	DH5	Test Channel	00
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4808.0	47.1	4.7	51.8	74.0	-22.2	Peak	Horizontal
	7596.0	36.6	10.6	47.2	74.0	-26.8	Peak	Horizontal
*	8837.0	36.1	12.0	48.1	76.6	-28.5	Peak	Horizontal
*	9653.0	35.7	14.0	49.7	76.6	-26.9	Peak	Horizontal
	4808.0	48.4	4.7	53.1	74.0	-20.9	Peak	Vertical
	7715.0	36.1	10.5	46.6	74.0	-27.4	Peak	Vertical
*	8556.5	37.0	11.5	48.5	76.6	-28.1	Peak	Vertical
*	9831.5	34.8	14.7	49.5	76.6	-27.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (96.6dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	DH5	Test Channel	39
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	44.2	4.7	48.9	74.0	-25.1	Peak	Horizontal
	7409.0	35.9	10.6	46.5	74.0	-27.5	Peak	Horizontal
*	7859.5	37.2	10.9	48.1	74.0	-25.9	Peak	Horizontal
*	9500.0	35.4	13.9	49.3	74.0	-24.7	Peak	Horizontal
	4884.5	44.1	4.7	48.8	74.0	-25.2	Peak	Vertical
	7443.0	36.3	10.7	47.0	74.0	-27.0	Peak	Vertical
*	7927.5	36.6	11.3	47.9	74.0	-26.1	Peak	Vertical
*	9687.0	35.6	14.2	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (93.7dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	DH5	Test Channel	78
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4961.0	47.0	4.9	51.9	74.0	-22.1	Peak	Horizontal
	7740.5	36.9	10.6	47.5	74.0	-26.5	Peak	Horizontal
*	8616.0	36.2	11.6	47.8	74.0	-26.2	Peak	Horizontal
*	9865.5	34.9	14.7	49.6	74.0	-24.4	Peak	Horizontal
	4961.0	46.6	4.9	51.5	74.0	-22.5	Peak	Vertical
	8327.0	38.4	11.0	49.4	74.0	-24.6	Peak	Vertical
*	8599.0	36.9	11.6	48.5	74.0	-25.5	Peak	Vertical
*	10129.0	37.0	14.8	51.8	74.0	-22.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (92.4dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	2DH5	Test Channel	00
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4808.0	47.4	4.7	52.1	74.0	-21.9	Peak	Horizontal
	7502.5	36.3	10.8	47.1	74.0	-26.9	Peak	Horizontal
*	7970.0	36.7	11.3	48.0	75.2	-27.2	Peak	Horizontal
*	9619.0	35.3	14.2	49.5	75.2	-25.7	Peak	Horizontal
	4808.0	49.8	4.7	54.5	74.0	-19.5	Peak	Vertical
	4808.0	46.9	4.7	51.6	54.0	-2.4	Average	Vertical
	7443.0	35.7	10.7	46.4	74.0	-27.6	Peak	Vertical
*	7961.5	36.1	11.3	47.4	75.2	-27.8	Peak	Vertical
*	9899.5	35.2	14.7	49.9	75.2	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (95.2dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	2DH5	Test Channel	39
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	45.7	4.7	50.4	74.0	-23.6	Peak	Horizontal
	7434.5	36.2	10.7	46.9	74.0	-27.1	Peak	Horizontal
*	8820.0	35.4	12.1	47.5	74.0	-26.5	Peak	Horizontal
*	10324.5	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	4884.5	47.7	4.7	52.4	74.0	-21.6	Peak	Vertical
	7426.0	36.3	10.7	47.0	74.0	-27.0	Peak	Vertical
*	8854.0	35.5	12.1	47.6	74.0	-26.4	Peak	Vertical
*	10069.5	34.8	14.7	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (93.5dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	2DH5	Test Channel	78
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4961.0	46.4	4.9	51.3	74.0	-22.7	Peak	Horizontal
	7341.0	35.7	10.5	46.2	74.0	-27.8	Peak	Horizontal
*	8021.0	36.2	11.4	47.6	74.0	-26.4	Peak	Horizontal
*	10528.5	35.5	15.8	51.3	74.0	-22.7	Peak	Horizontal
	4961.0	46.4	4.9	51.3	74.0	-22.7	Peak	Vertical
	8157.0	36.1	11.2	47.3	74.0	-26.7	Peak	Vertical
*	8862.5	35.3	12.1	47.4	74.0	-26.6	Peak	Vertical
*	10392.5	35.3	15.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (92.8dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	3DH5	Test Channel	00
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4808.0	46.3	4.7	51.0	74.0	-23.0	Peak	Horizontal
	7366.5	36.8	10.6	47.4	74.0	-26.6	Peak	Horizontal
*	7919.0	36.0	11.2	47.2	79.9	-32.7	Peak	Horizontal
*	9245.0	35.2	13.5	48.7	79.9	-31.2	Peak	Horizontal
	4808.0	50.4	4.7	55.1	74.0	-18.9	Peak	Vertical
	4808.0	47.5	4.7	52.2	54.0	-1.8	Average	Vertical
	7494.0	36.1	10.8	46.9	74.0	-27.1	Peak	Vertical
*	8607.5	36.1	11.6	47.7	79.9	-32.2	Peak	Vertical
*	10282.0	34.0	15.2	49.2	79.9	-30.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (99.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	3DH5	Test Channel	39
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	46.7	4.8	51.5	74.0	-22.5	Peak	Horizontal
	7672.5	36.2	10.6	46.8	74.0	-27.2	Peak	Horizontal
*	8556.5	35.9	11.5	47.4	79.4	-32.0	Peak	Horizontal
*	9695.5	35.1	14.1	49.2	79.4	-30.2	Peak	Horizontal
	4876.0	46.3	4.8	51.1	74.0	-22.9	Peak	Vertical
	8055.0	36.8	11.6	48.4	74.0	-25.6	Peak	Vertical
*	9644.5	35.3	14.1	49.4	79.4	-30.0	Peak	Vertical
*	10358.5	34.4	15.4	49.8	79.4	-29.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (99.4dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	Hearing protection headset	Temperature	25℃
Test Engineer	Cloud Guo	Relative Humidity	56%
Test Site	AC1	Test Date	2019/07/16
Test Mode	3DH5	Test Channel	78
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4961.0	42.8	4.9	47.7	74.0	-26.3	Peak	Horizontal
	7460.0	36.0	10.6	46.6	74.0	-27.4	Peak	Horizontal
*	7893.5	36.6	11.1	47.7	79.1	-31.4	Peak	Horizontal
*	9874.0	34.2	14.7	48.9	79.1	-30.2	Peak	Horizontal
	4961.0	42.0	4.9	46.9	74.0	-27.1	Peak	Vertical
	7494.0	35.9	10.8	46.7	74.0	-27.3	Peak	Vertical
*	8565.0	36.1	11.5	47.6	79.1	-31.5	Peak	Vertical
*	9619.0	34.9	14.2	49.1	79.1	-30.0	Peak	Vertical

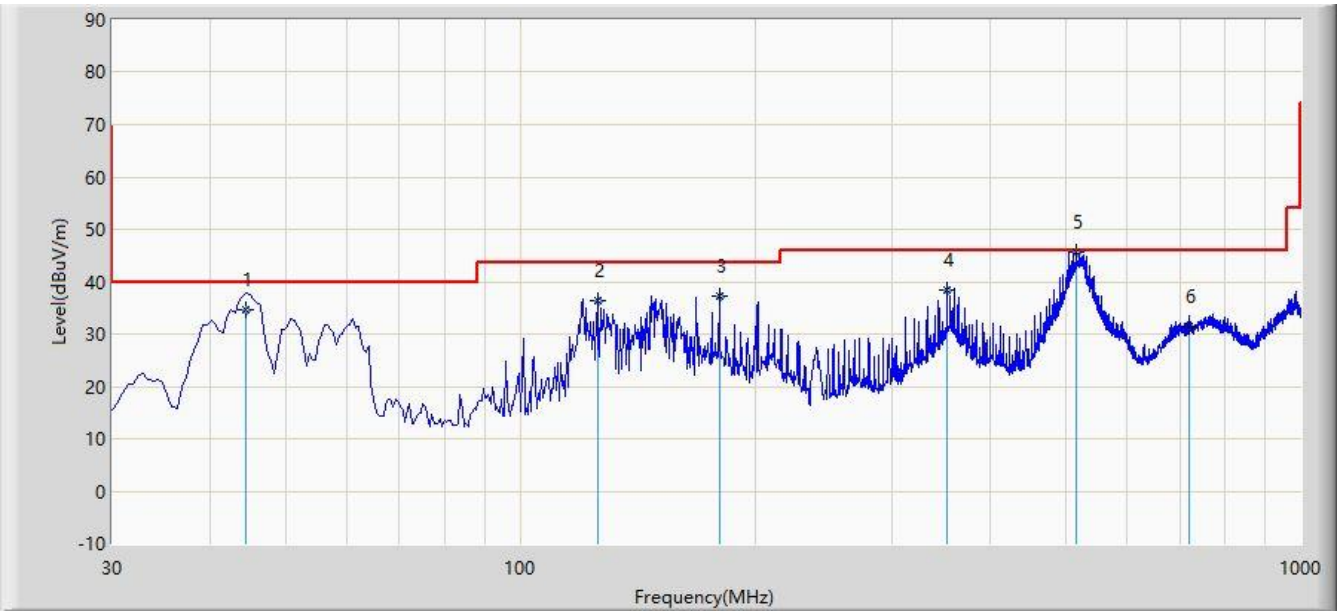
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (99.1dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/07/19 - 11:54
Limit: FCC_Part15.209_RSE(3m)	Engineer: Cloud Guo
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Worst Case Mode: Transmit by Bluetooth DH5 at Channel 2441MHz	



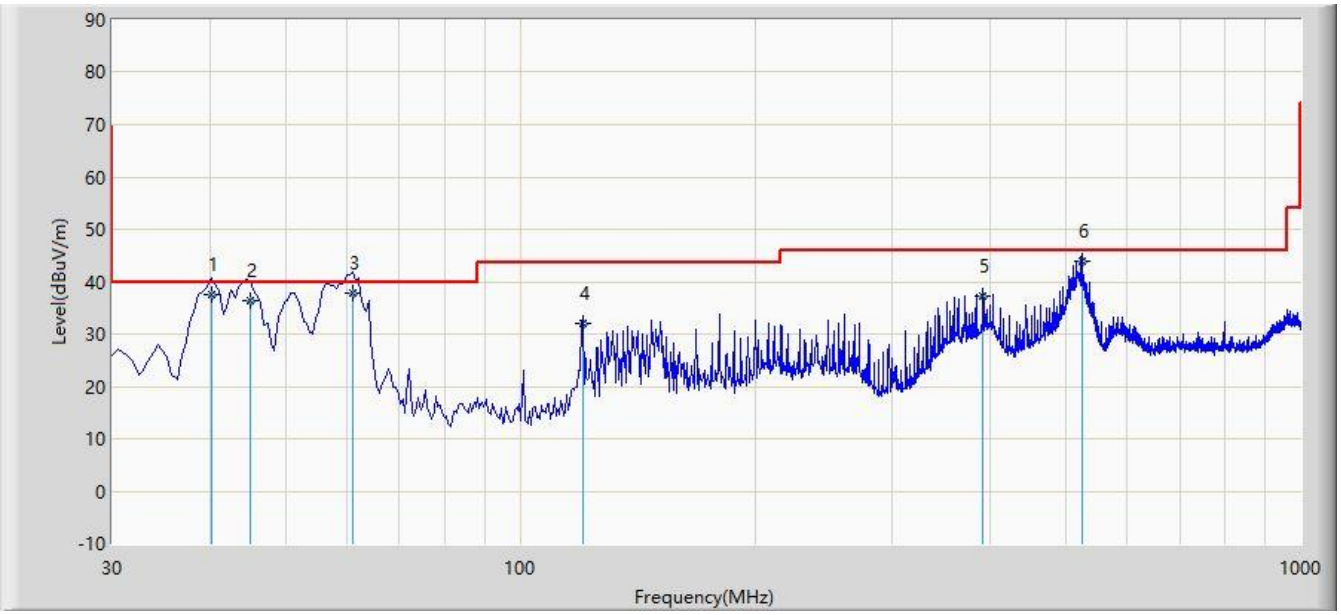
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	44.550	34.739	20.355	-5.261	40.000	14.384	QP
2			126.030	36.384	22.685	-7.116	43.500	13.699	QP
3			179.865	37.272	24.218	-6.228	43.500	13.053	QP
4			352.040	38.440	22.710	-7.560	46.000	15.730	QP
5			515.970	45.540	26.327	-0.460	46.000	19.214	QP
6			719.185	31.324	8.613	-14.676	46.000	22.711	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2019/07/19 - 11:56
Limit: FCC_Part15.209_RSE(3m)	Engineer: Cloud Guo
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Worst Case Mode: Transmit by Bluetooth DH5 at Channel 2441MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			40.185	37.676	23.015	-2.324	40.000	14.661	QP
2		*	45.010	36.390	22.030	-3.610	40.000	14.360	QP
3			61.040	37.774	24.447	-2.226	40.000	13.327	QP
4			120.210	32.154	18.825	-11.346	43.500	13.329	QP
5			391.810	37.113	20.548	-8.887	46.000	16.566	QP
6			524.215	43.986	24.582	-2.014	46.000	19.404	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.10. Radiated Restricted Band Edge Measurement

7.10.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 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
8.41425 - 8.41475	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	([2])
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength (μV/m)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for license exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.
8.37625 - 8.38675	1718.8 -1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 -2390	
12.51975 - 12.52025	2483.5 -2500	
12.57675 - 12.57725	2655 - 2900	
13.36 -13.41	3260 - 3267	
16.42 - 16.423	3332 -3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138	--	

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9			
Frequency (MHz)	Field Strength (μV/m)	Magnetic Field Strength (H-Field) (μA/m)	Measured Distance (m)
0.009 - 0.490 1	--	6.37/F (F in kHz)	300
0.490 - 1.705	--	6.37/F (F in kHz)	30
1.705 - 30	--	0.08	30
30 - 88	100	--	3
88 - 216	150	--	3
216 - 960	200	--	3
Above 960	500	--	3

7.10.2.Test Procedure Used

ANSI C63.10 - Section 6.3 (General Requirements)

ANSI C63.10 - Section 6.6 (Standard test method above 1GHz)

7.10.3.Test Setting

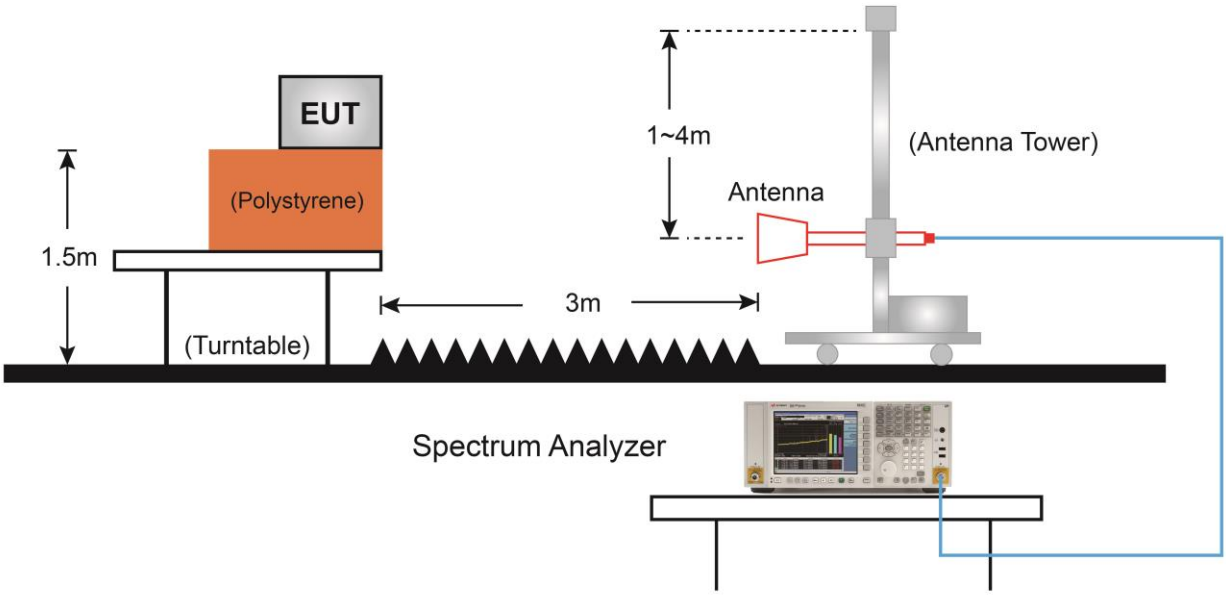
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

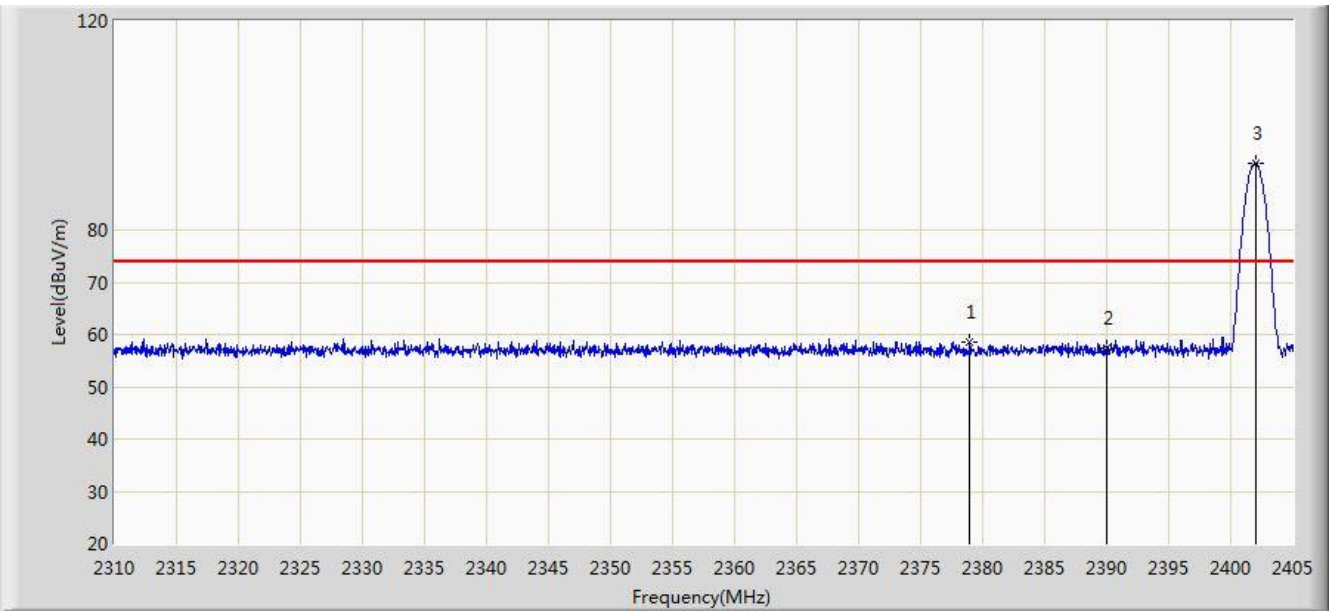
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10Hz
4. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

7.10.4.Test Setup



7.10.5.Test Result

Site: AC1	Time: 2019/07/23 - 01:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	

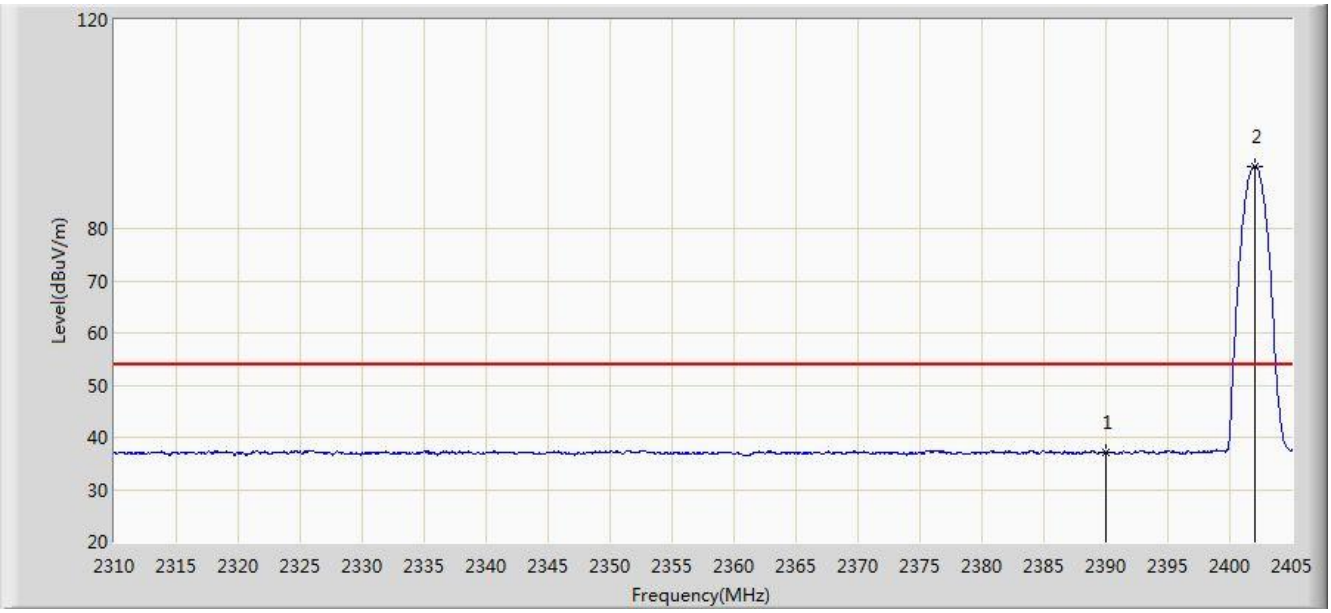


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.970	58.676	26.243	-15.324	74.000	32.433	PK
2			2390.000	57.525	25.112	-16.475	74.000	32.413	PK
3		*	2402.008	92.797	60.401	N/A	N/A	32.396	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	

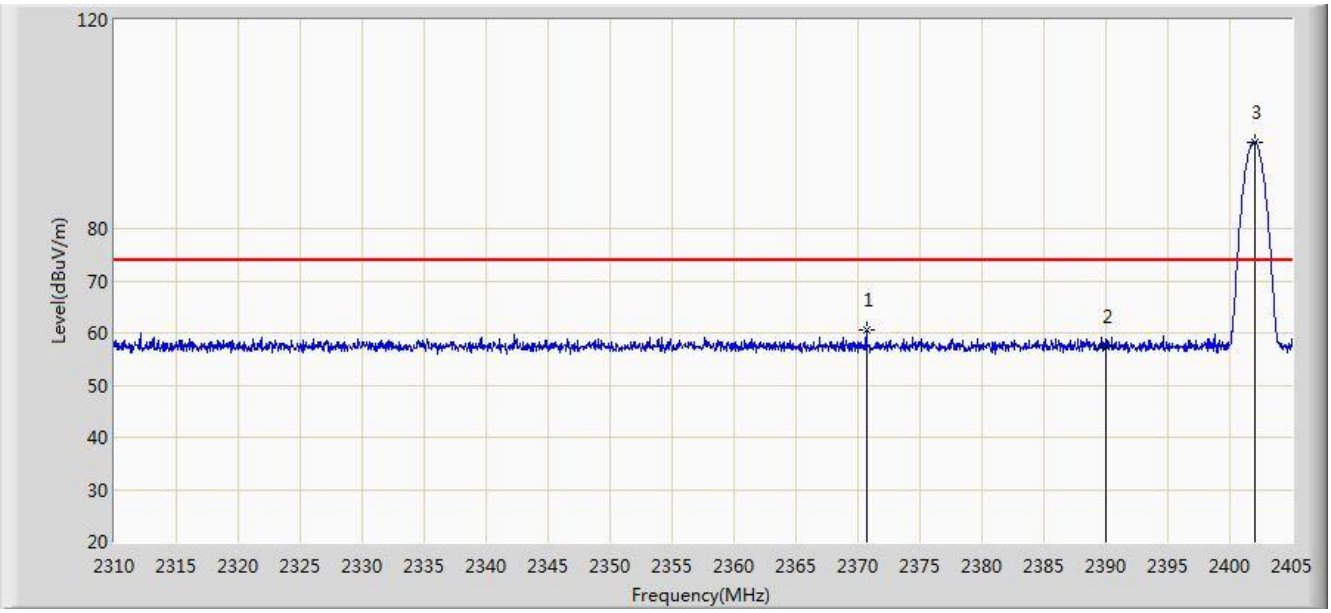


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	37.096	4.683	-16.904	54.000	32.413	AV
2		*	2402.008	91.991	59.595	N/A	N/A	32.396	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	

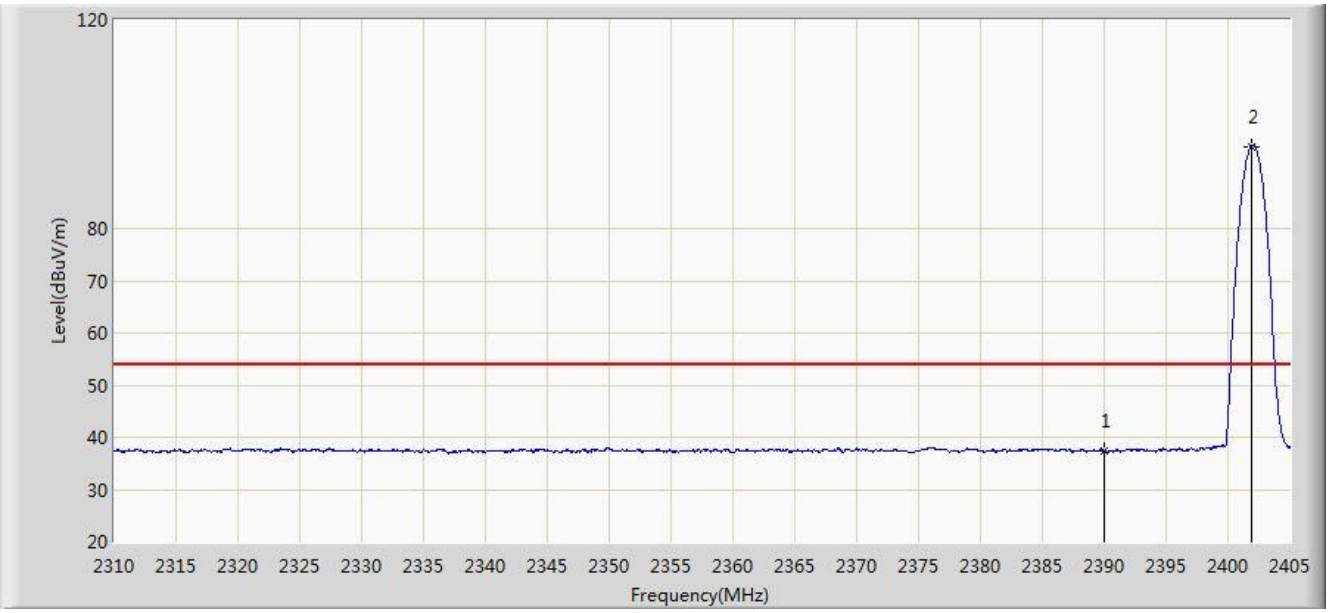


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2370.657	60.487	28.036	-13.513	74.000	32.451	PK
2			2390.000	57.502	25.089	-16.498	74.000	32.413	PK
3		*	2402.008	96.585	64.189	N/A	N/A	32.396	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2402MHz	

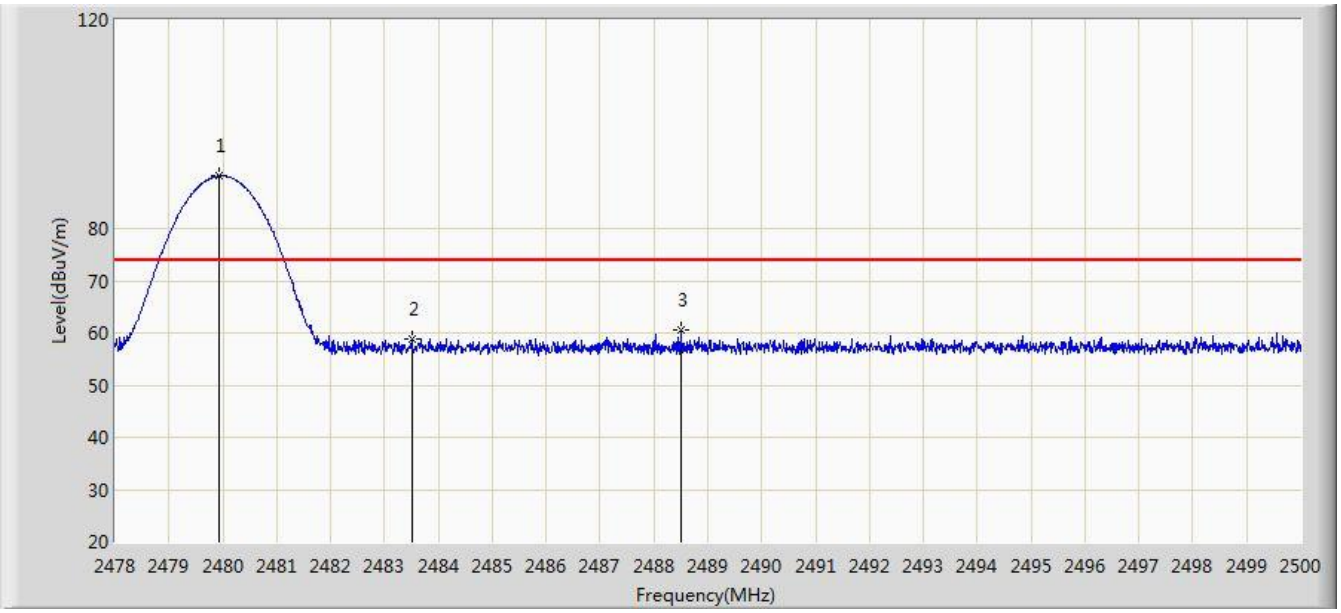


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	37.343	4.930	-16.657	54.000	32.413	AV
2		*	2401.865	95.740	63.344	N/A	N/A	32.396	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	

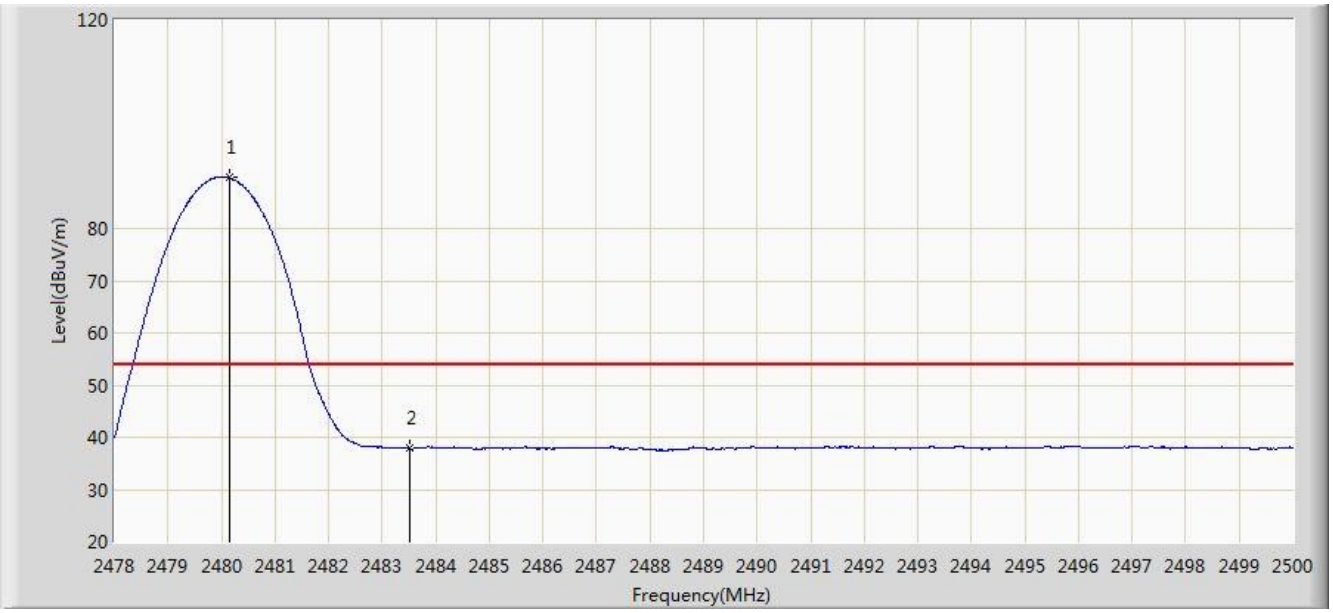


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.936	90.074	57.666	N/A	N/A	32.408	PK
2			2483.500	58.896	26.481	-15.104	74.000	32.416	PK
3			2488.494	60.506	28.081	-13.494	74.000	32.426	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	

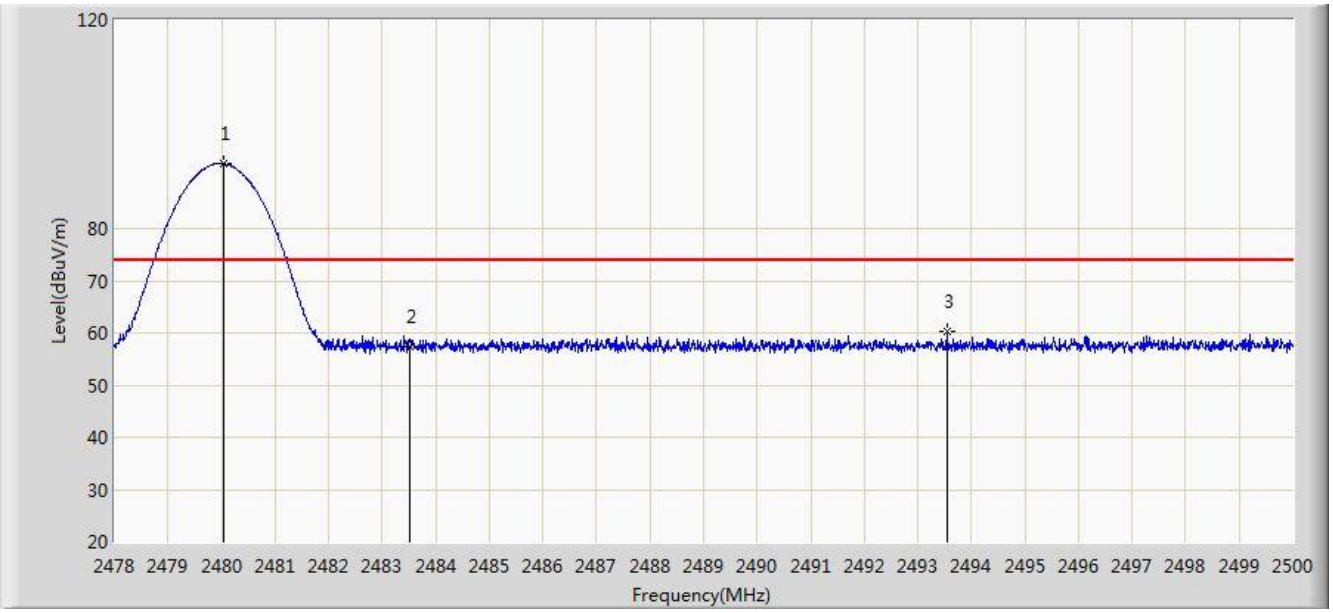


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.145	89.725	57.316	N/A	N/A	32.409	AV
2			2483.500	37.894	5.479	-16.106	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	

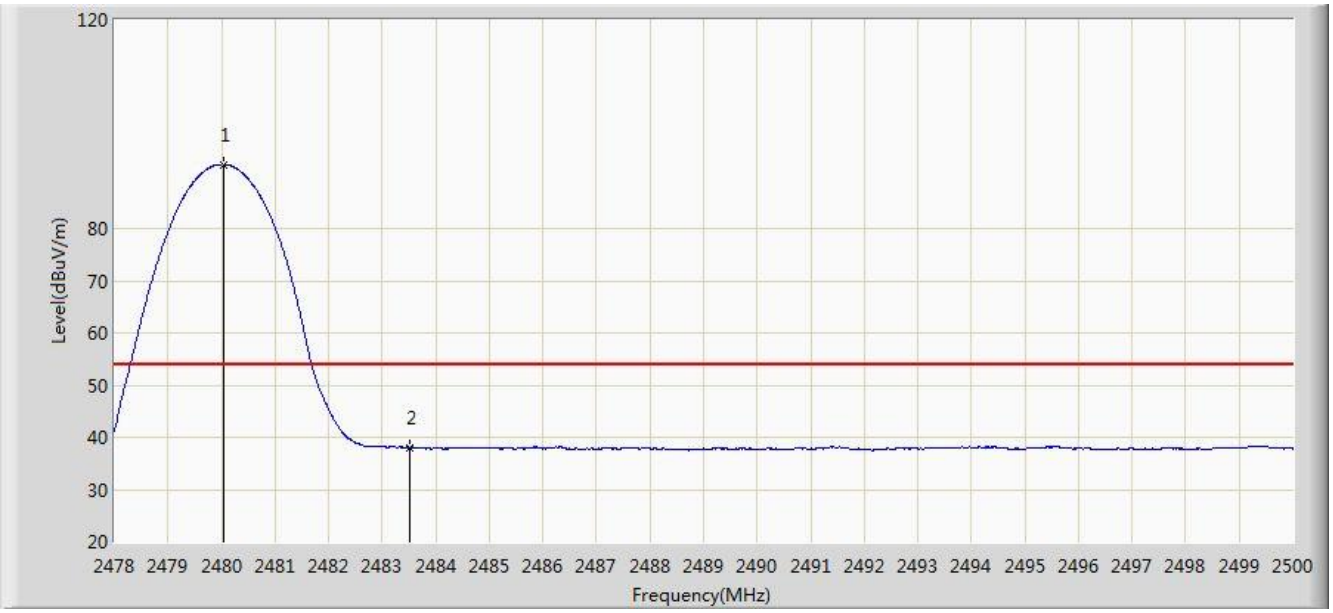


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	92.398	59.989	N/A	N/A	32.408	PK
2			2483.500	57.463	25.048	-16.537	74.000	32.416	PK
3			2493.543	60.344	27.909	-13.656	74.000	32.436	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by DH5 at 2480MHz	

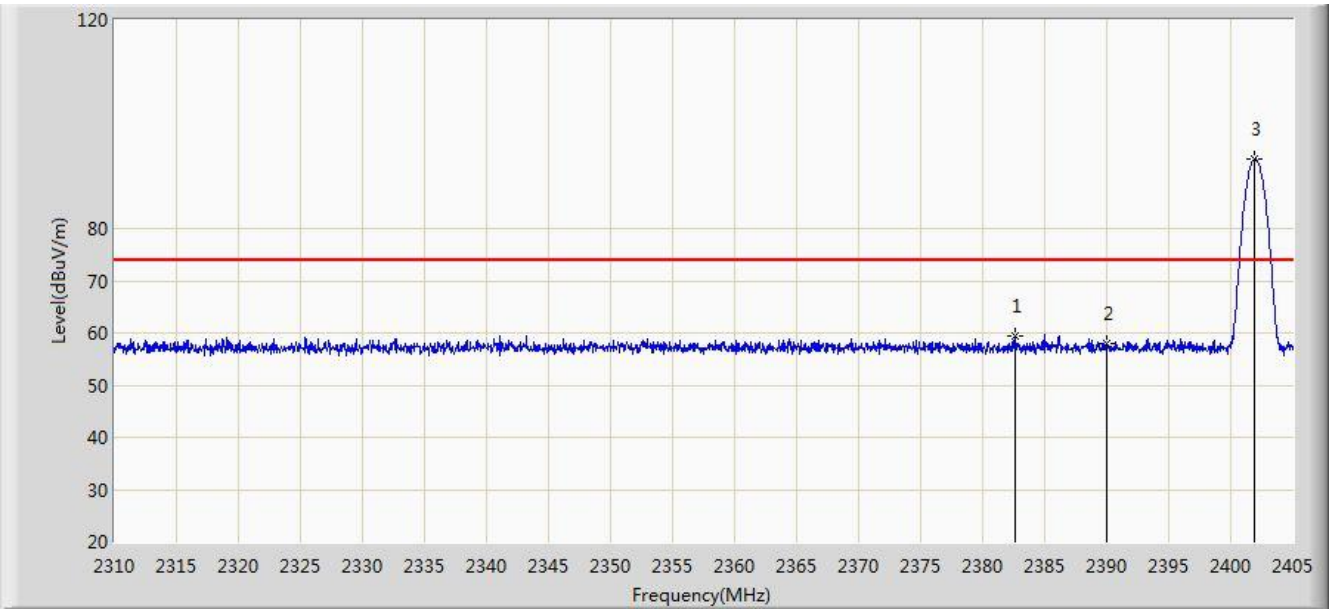


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	92.311	59.902	N/A	N/A	32.408	AV
2			2483.500	38.011	5.596	-15.989	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 01:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	

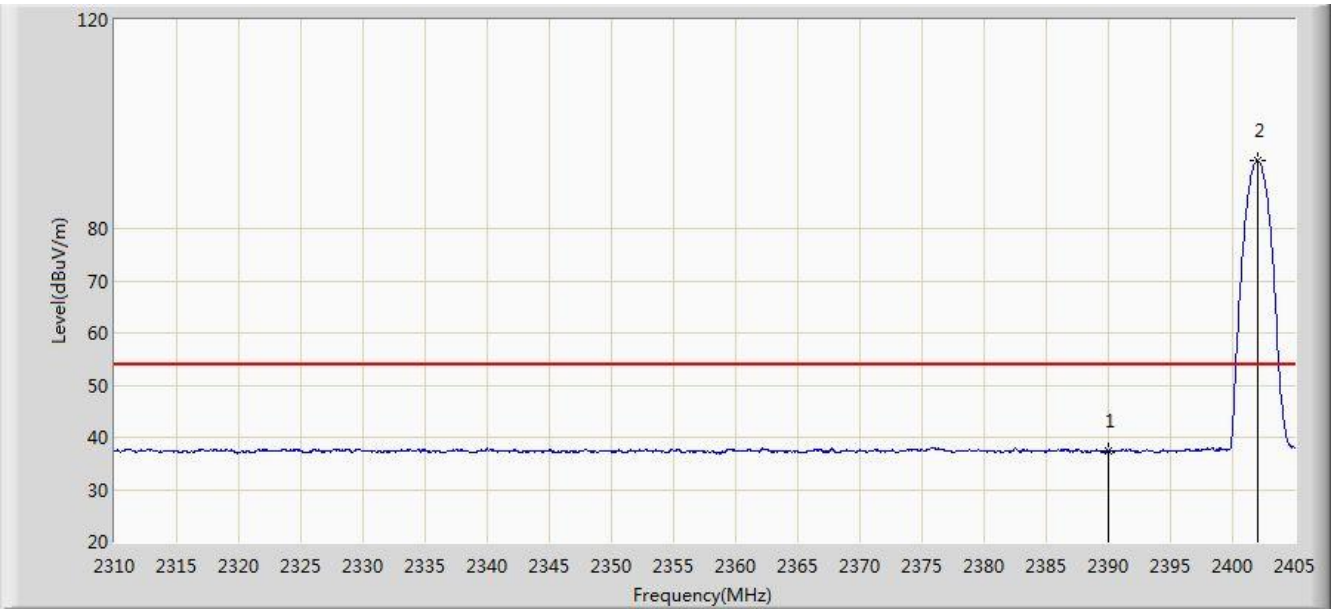


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2382.675	59.306	26.880	-14.694	74.000	32.426	PK
2			2390.000	58.021	25.608	-15.979	74.000	32.413	PK
3		*	2401.865	93.243	60.847	N/A	N/A	32.396	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	

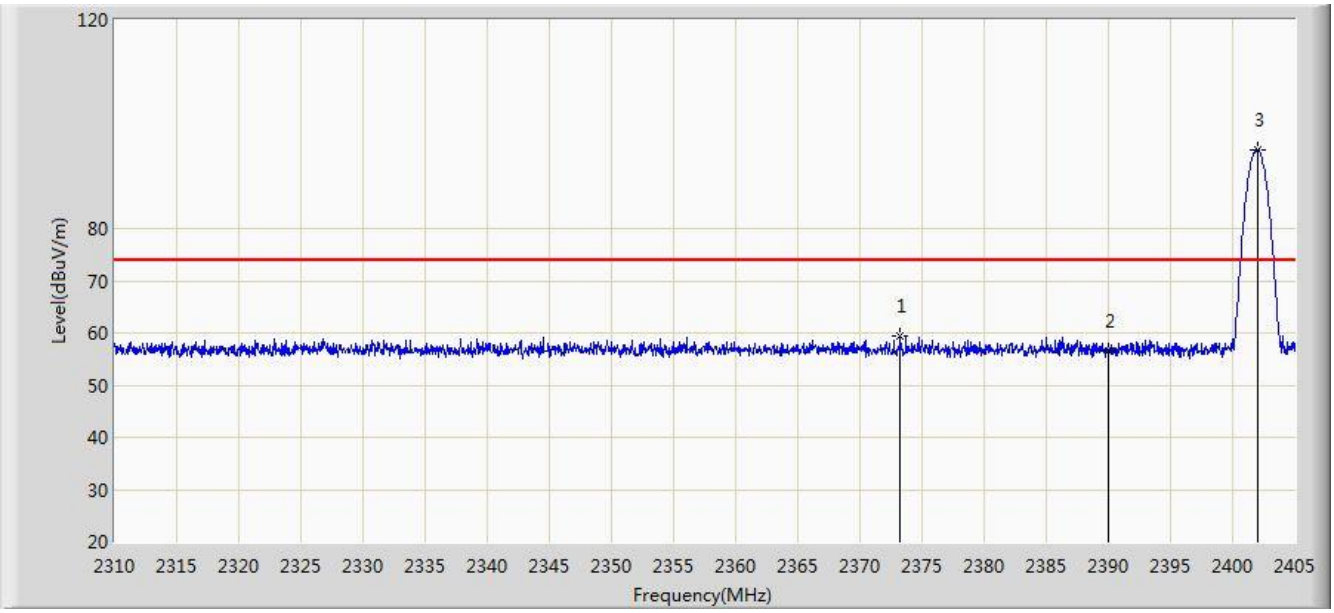


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	37.367	4.954	-16.633	54.000	32.413	AV
2		*	2402.008	92.948	60.552	N/A	N/A	32.396	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	

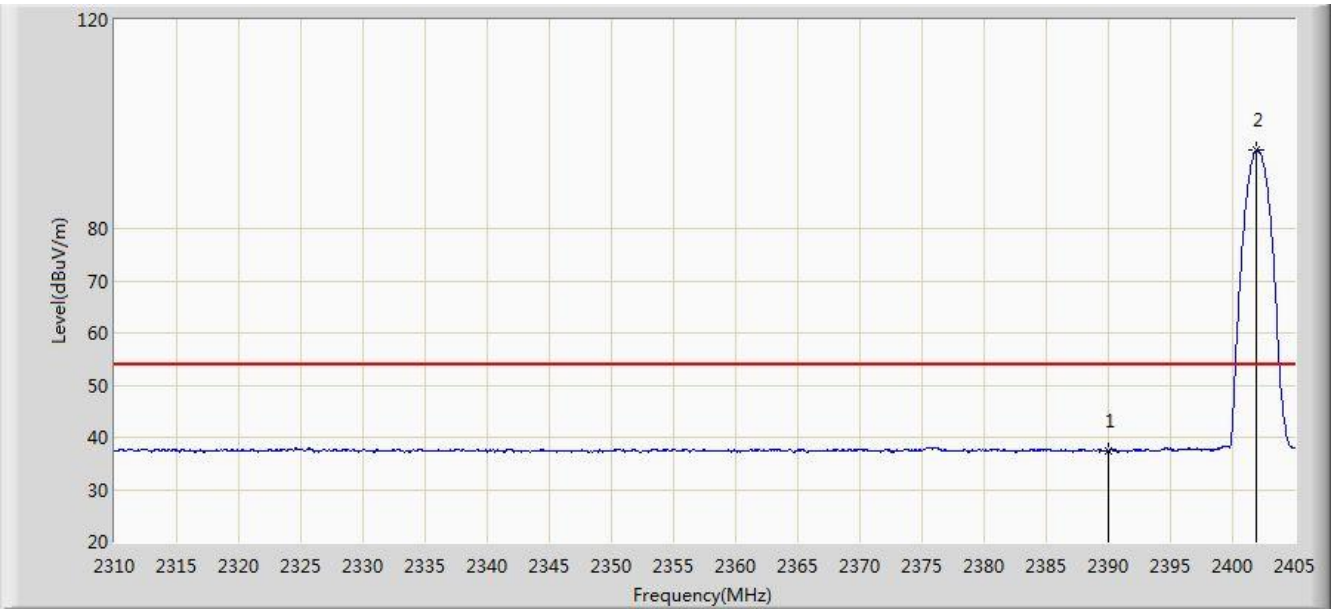


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2373.270	59.313	26.868	-14.687	74.000	32.445	PK
2			2390.000	56.548	24.135	-17.452	74.000	32.413	PK
3		*	2402.008	95.160	62.764	N/A	N/A	32.396	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2402MHz	

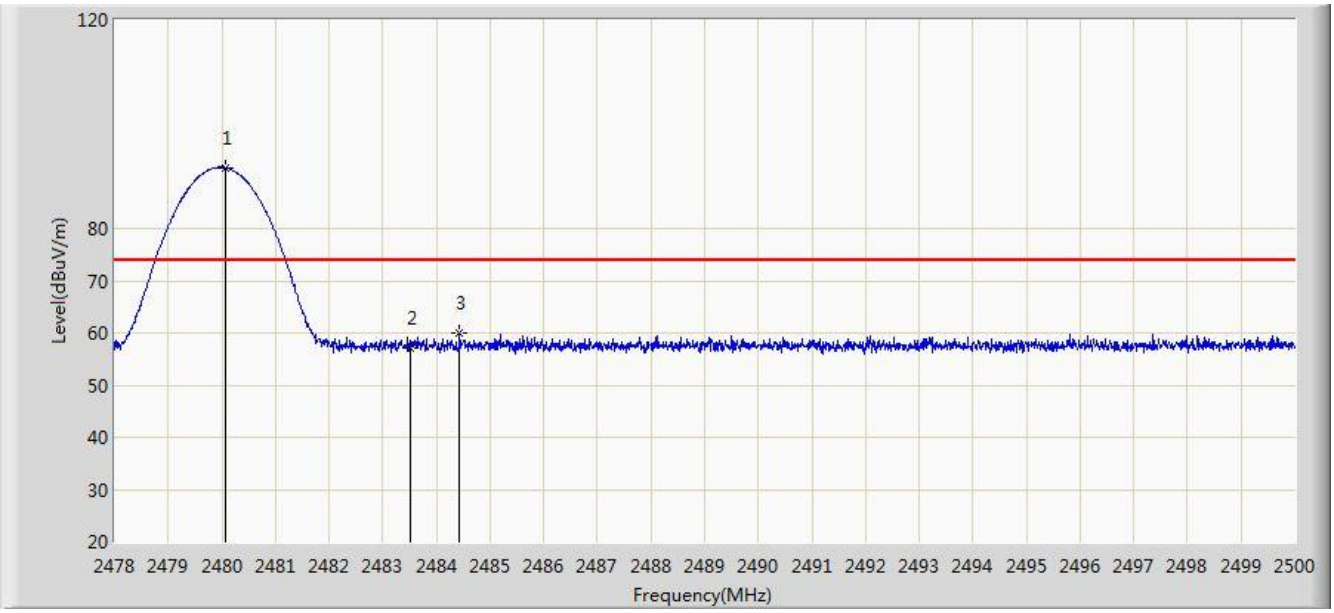


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	37.306	4.893	-16.694	54.000	32.413	AV
2		*	2401.960	95.017	62.621	N/A	N/A	32.396	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	

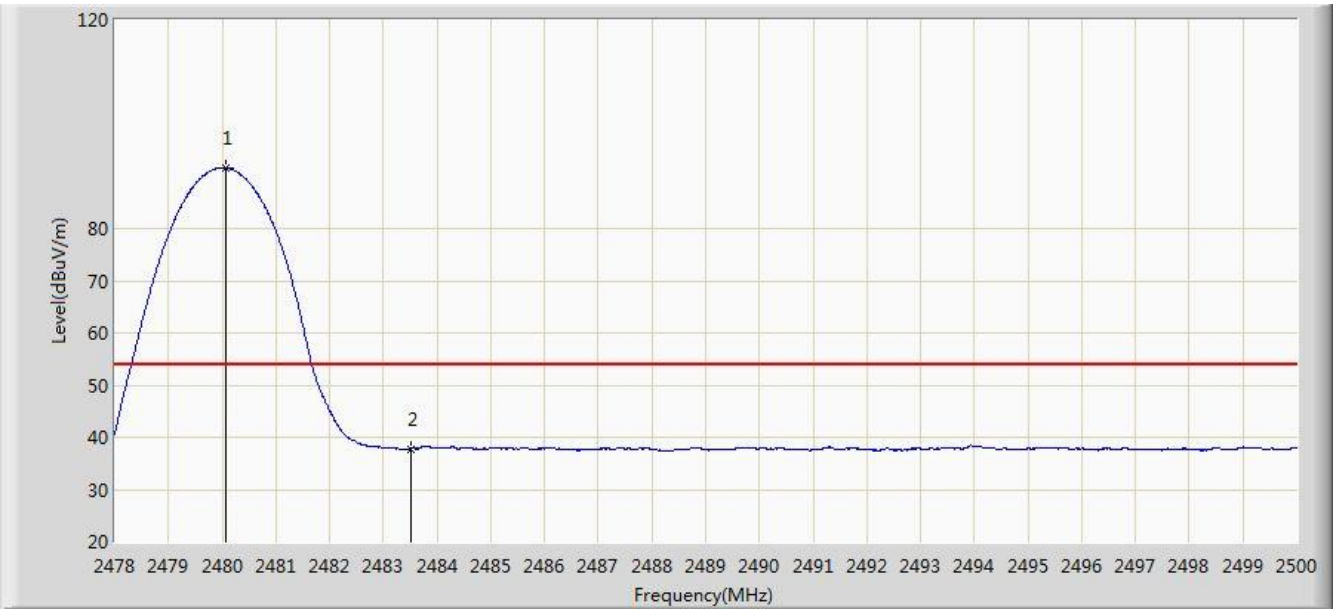


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.079	91.634	59.225	N/A	N/A	32.408	PK
2			2483.500	57.112	24.697	-16.888	74.000	32.416	PK
3			2484.424	60.029	27.612	-13.971	74.000	32.417	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	

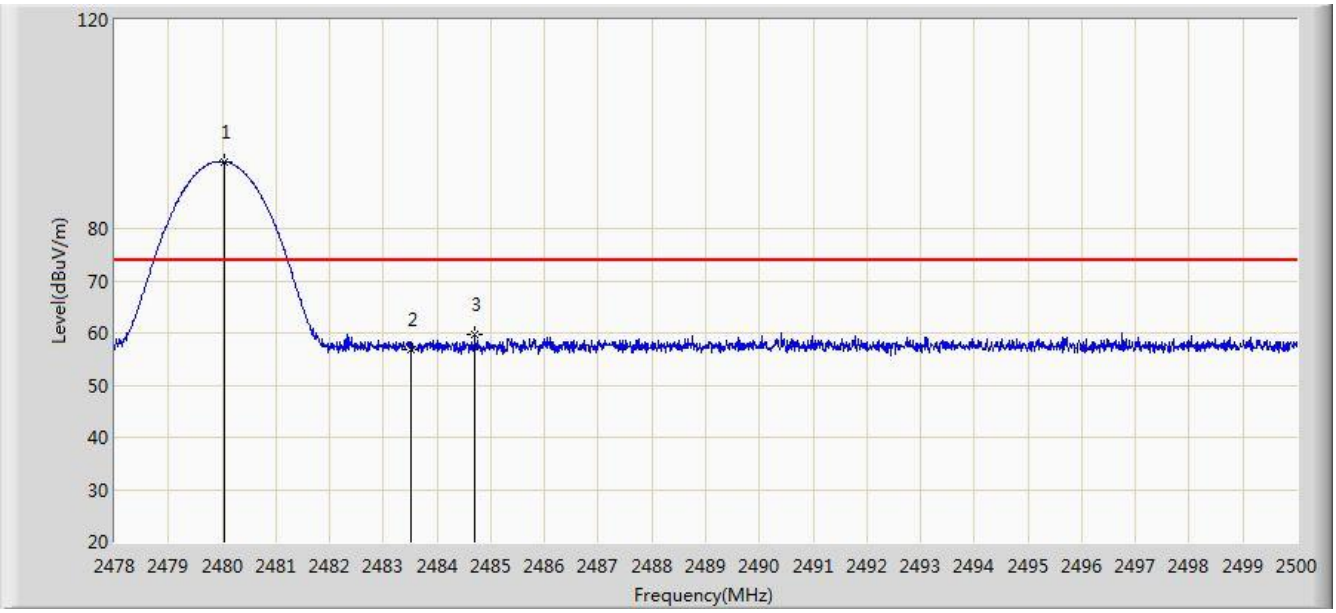


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.079	91.597	59.188	N/A	N/A	32.408	AV
2			2483.500	37.752	5.337	-16.248	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	

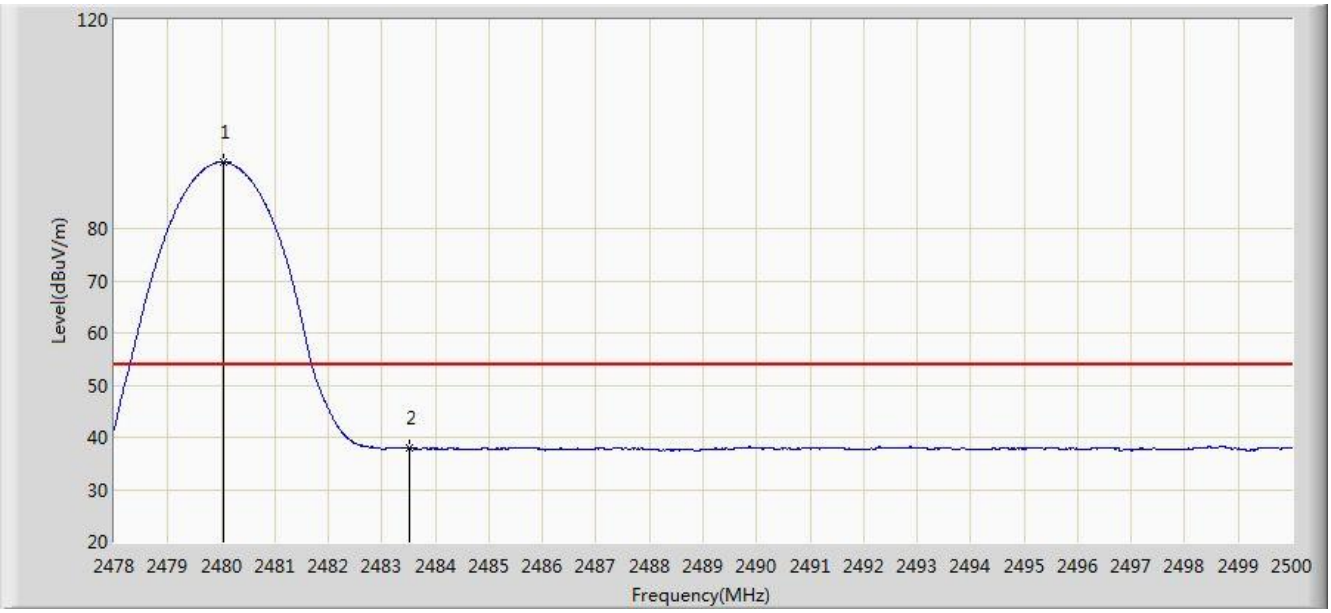


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	92.842	60.433	N/A	N/A	32.408	PK
2			2483.500	56.819	24.404	-17.181	74.000	32.416	PK
3			2484.710	59.708	27.290	-14.292	74.000	32.418	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 2DH5 at 2480MHz	

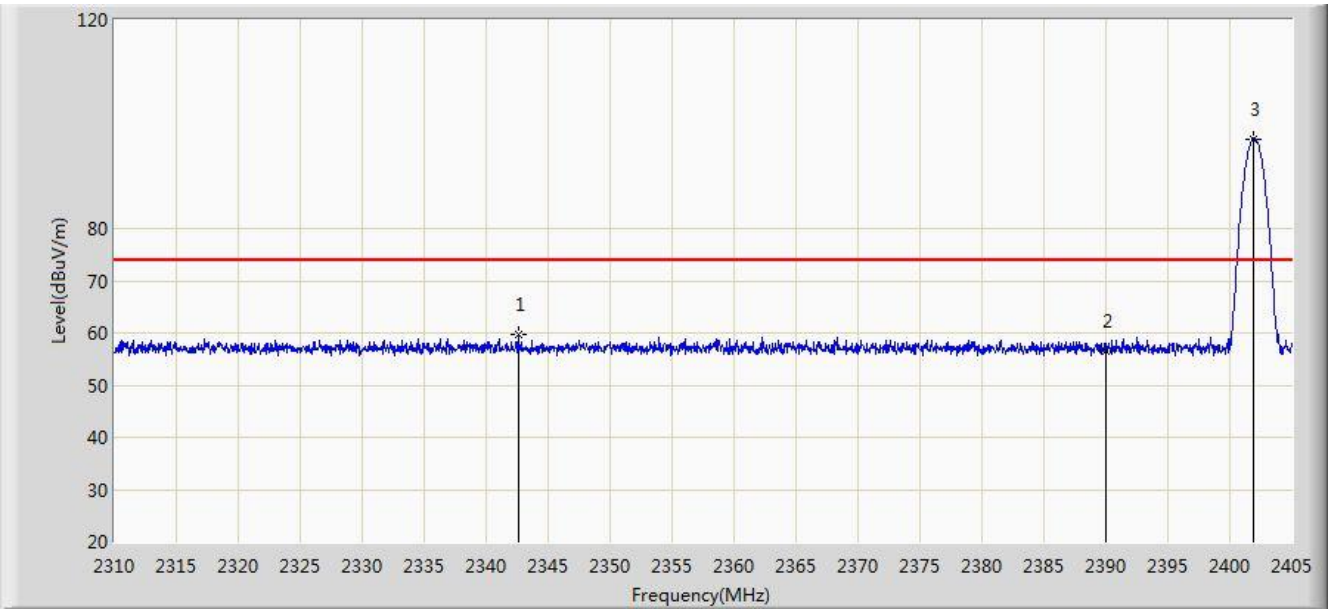


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	92.687	60.278	N/A	N/A	32.408	AV
2			2483.500	37.997	5.582	-16.003	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	

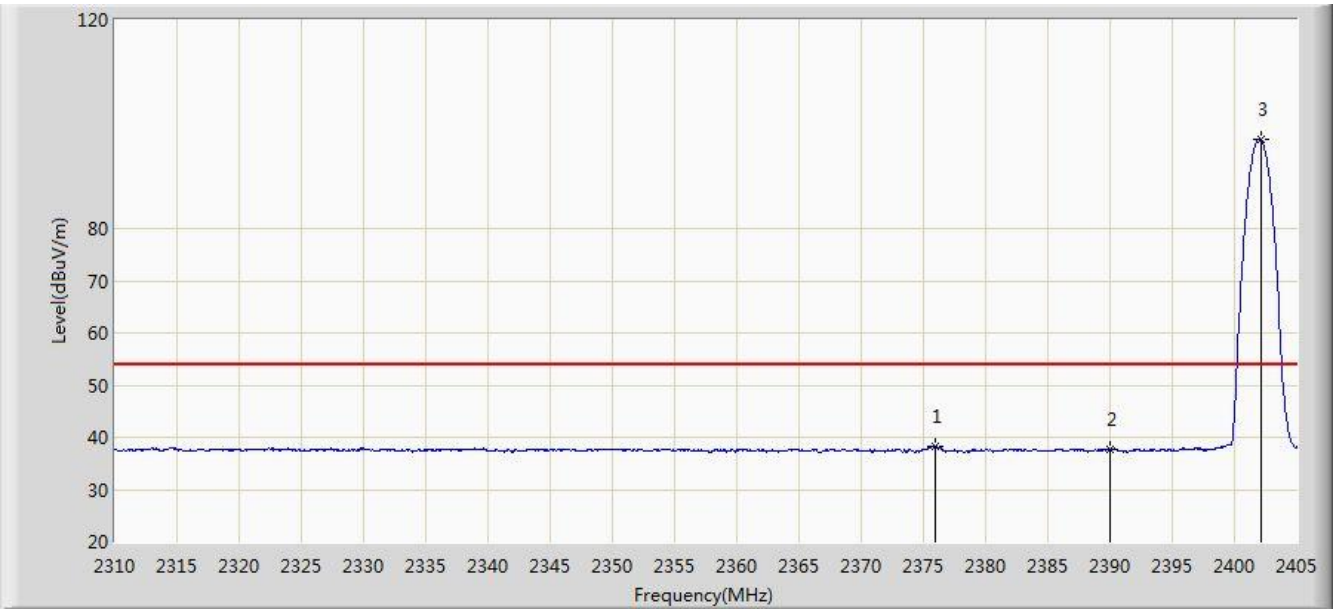


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2342.585	59.650	27.108	-14.350	74.000	32.543	PK
2			2390.000	56.546	24.133	-17.454	74.000	32.413	PK
3		*	2401.865	97.174	64.778	N/A	N/A	32.396	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	

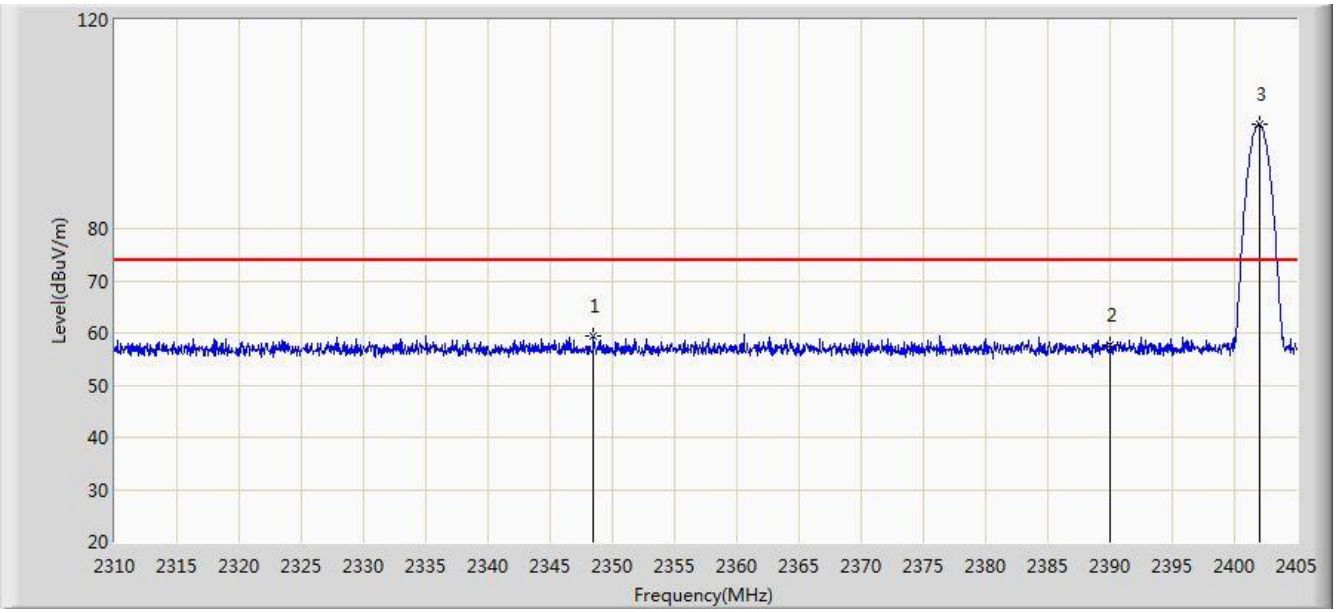


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.978	38.233	5.794	-15.767	54.000	32.439	AV
2			2390.000	37.601	5.188	-16.399	54.000	32.413	AV
3		*	2402.150	97.013	64.617	N/A	N/A	32.396	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	

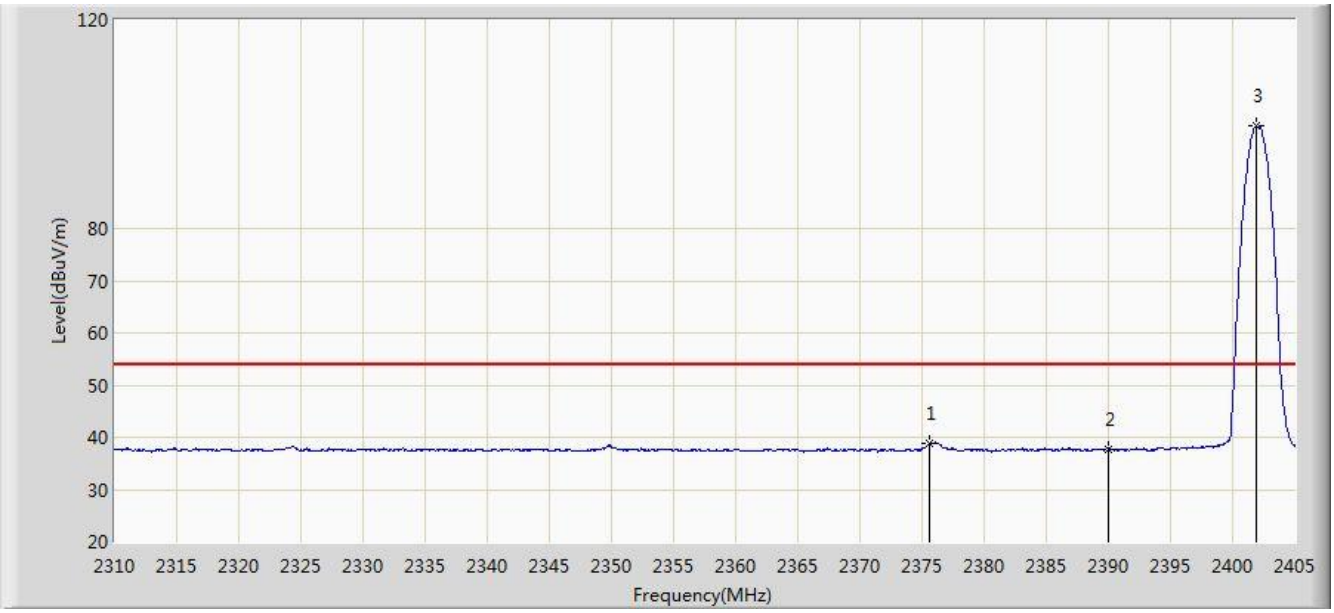


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2348.475	59.459	26.941	-14.541	74.000	32.519	PK
2			2390.000	57.632	25.219	-16.368	74.000	32.413	PK
3		*	2402.008	99.922	67.526	N/A	N/A	32.396	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2402MHz	

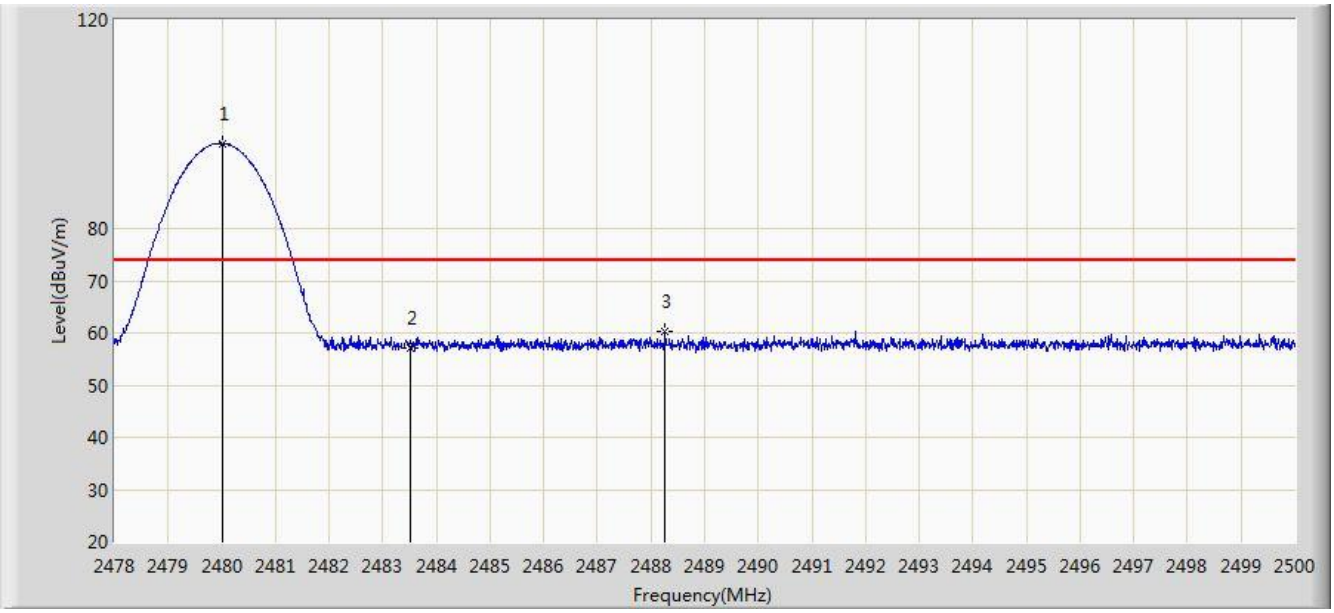


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.597	38.810	6.370	-15.190	54.000	32.440	AV
2			2390.000	37.731	5.318	-16.269	54.000	32.413	AV
3		*	2401.865	99.674	67.278	N/A	N/A	32.396	AV

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	

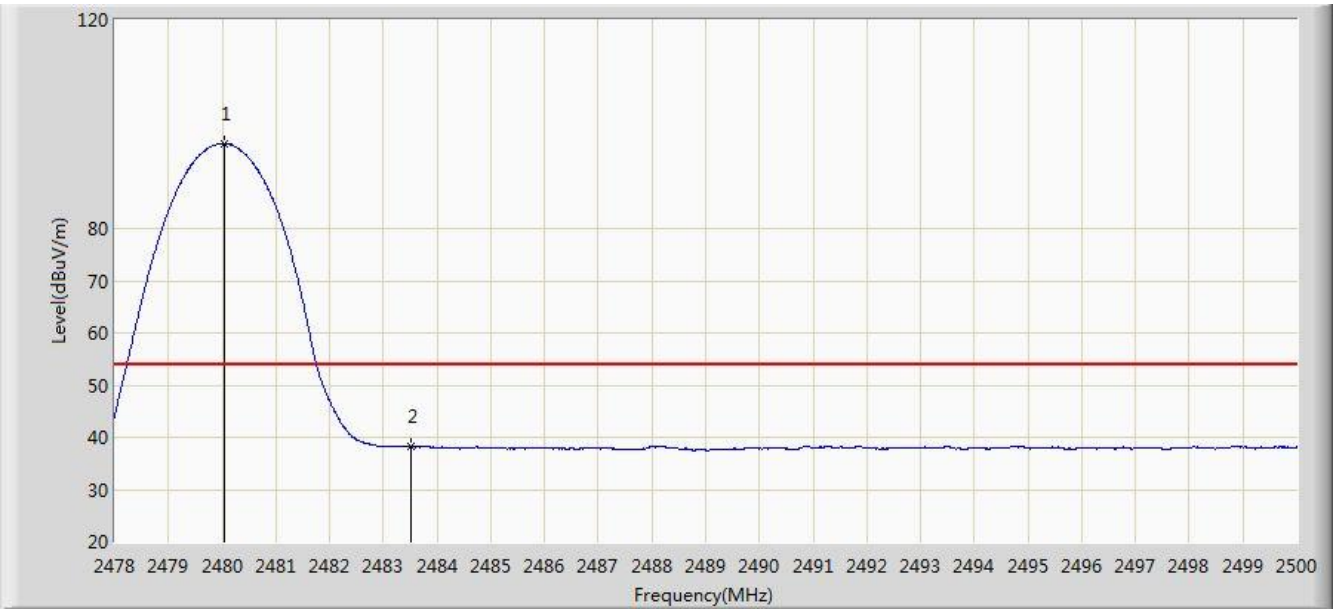


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.002	96.363	63.955	N/A	N/A	32.408	PK
2			2483.500	57.183	24.768	-16.817	74.000	32.416	PK
3			2488.263	60.214	27.789	-13.786	74.000	32.425	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	

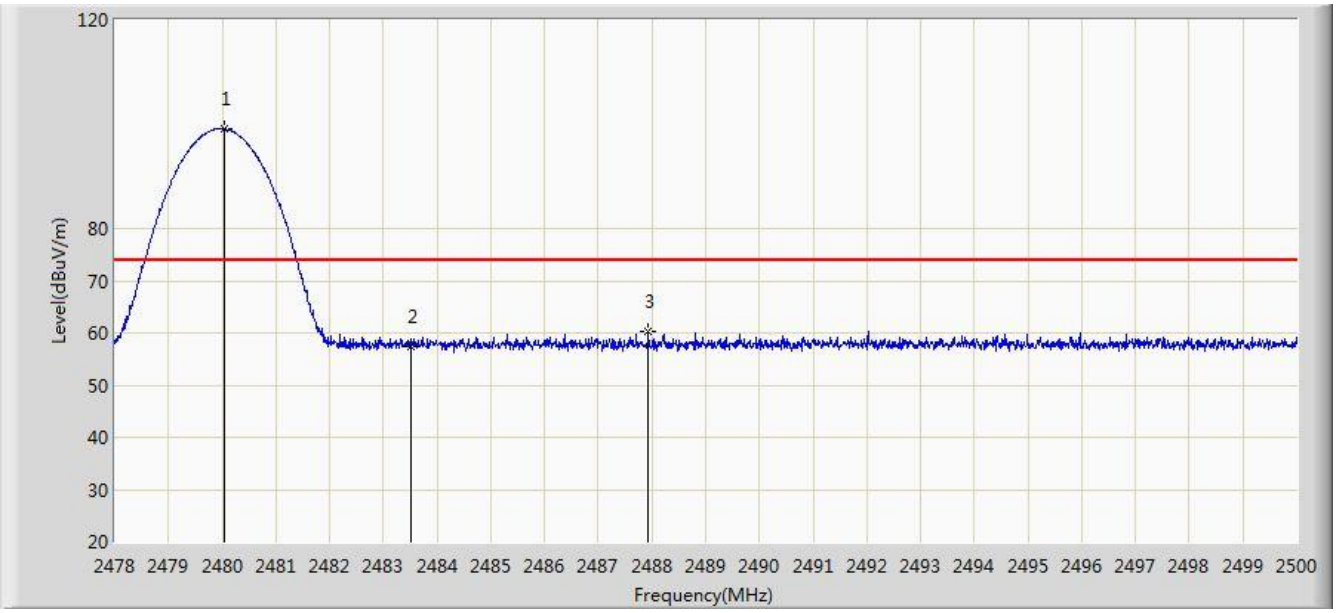


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	96.266	63.857	N/A	N/A	32.408	AV
2			2483.500	38.172	5.757	-15.828	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	

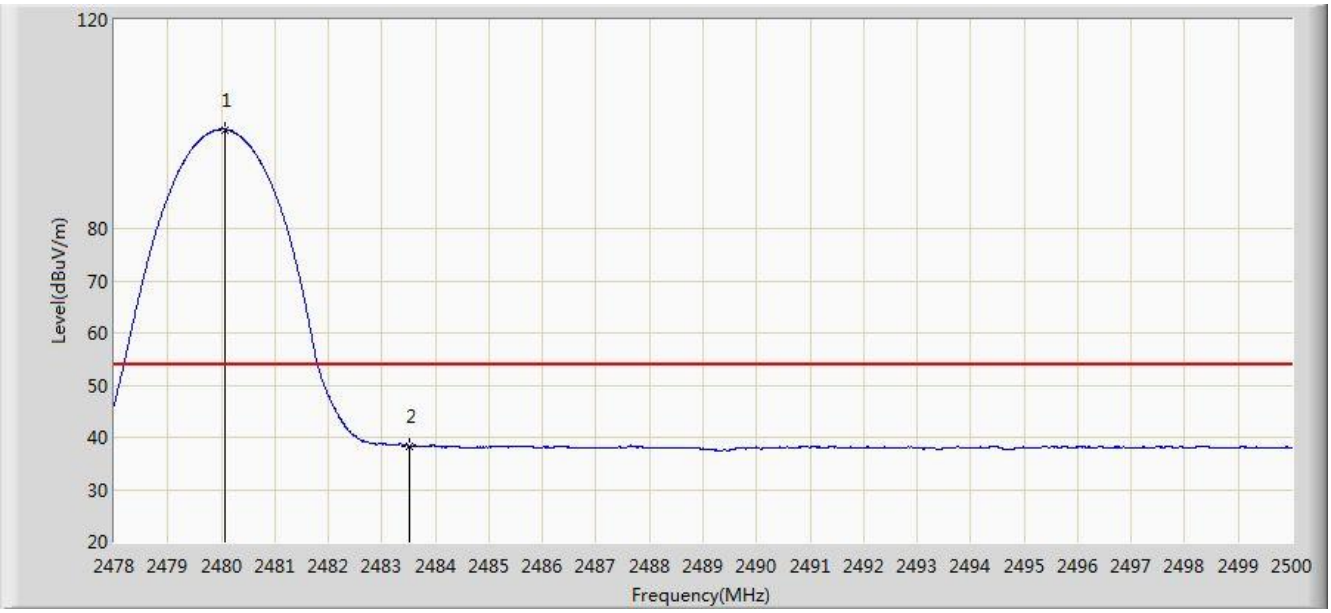


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.046	99.074	66.665	N/A	N/A	32.408	PK
2			2483.500	57.409	24.994	-16.591	74.000	32.416	PK
3			2487.933	60.325	27.901	-13.675	74.000	32.425	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2019/07/23 - 02:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Hearing protection headset	Power: By Battery
Test Mode: Transmit by 3DH5 at 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.079	98.965	66.556	N/A	N/A	32.408	AV
2			2483.500	38.393	5.978	-15.607	54.000	32.416	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

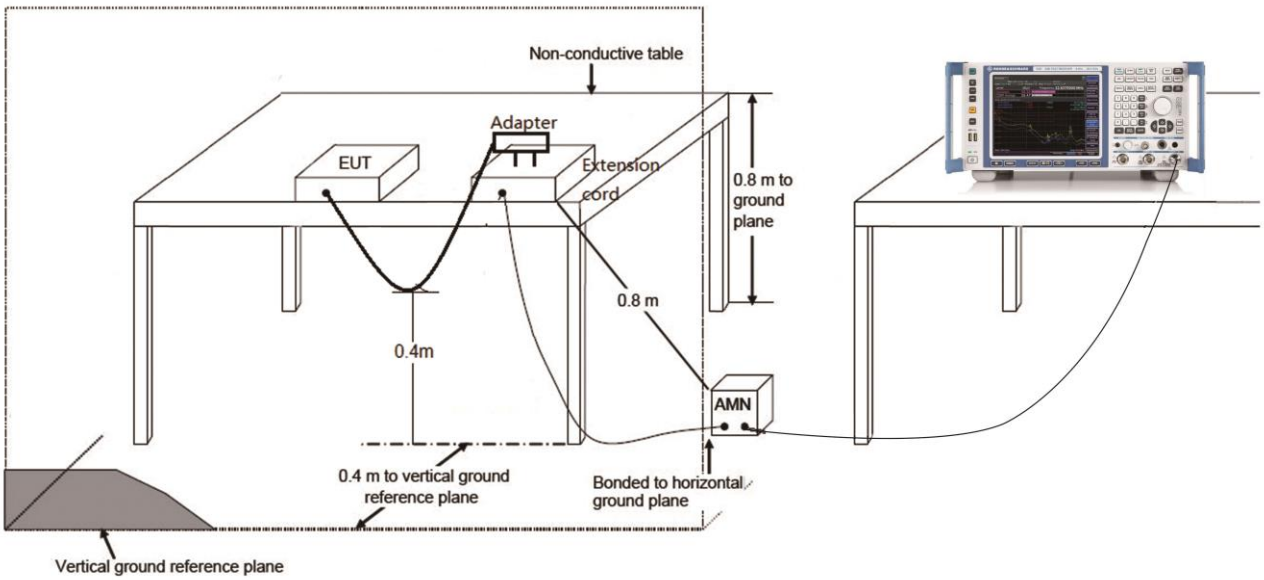
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.11. AC Conducted Emissions Measurement

7.11.1.Test Limit

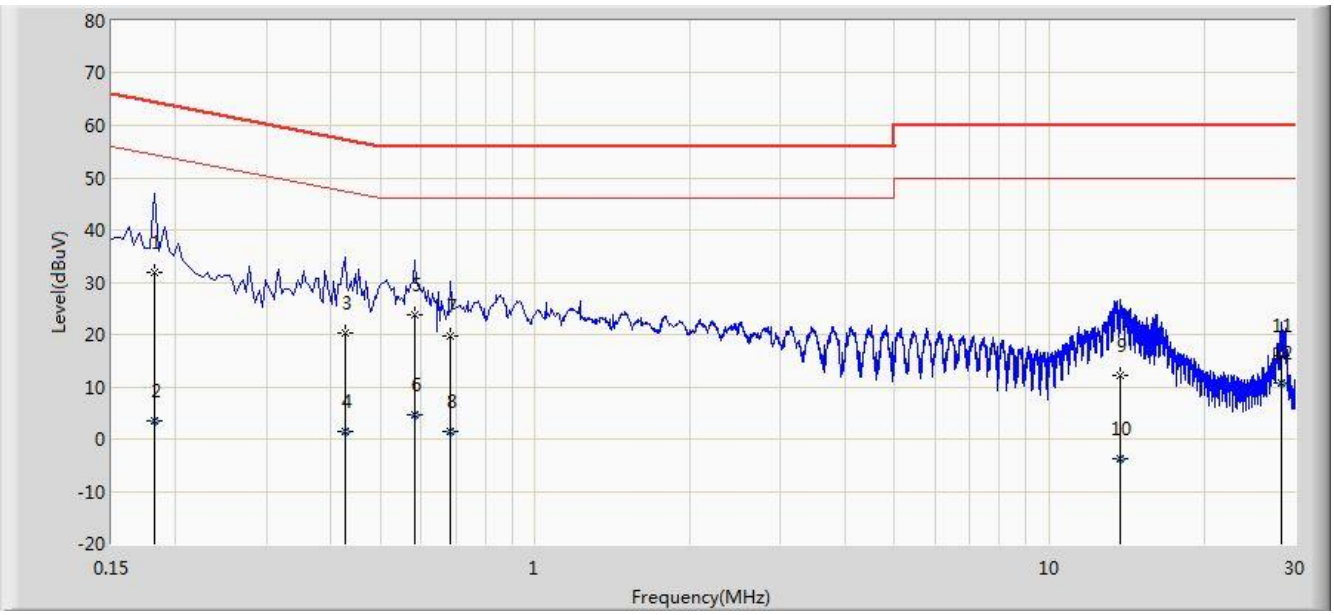
FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBμV)	Average (dBμV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

7.11.2.Test Setup



7.11.3.Test Result

Site: SR2	Time: 2019/07/23 - 10:15
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Hearing protection headset	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

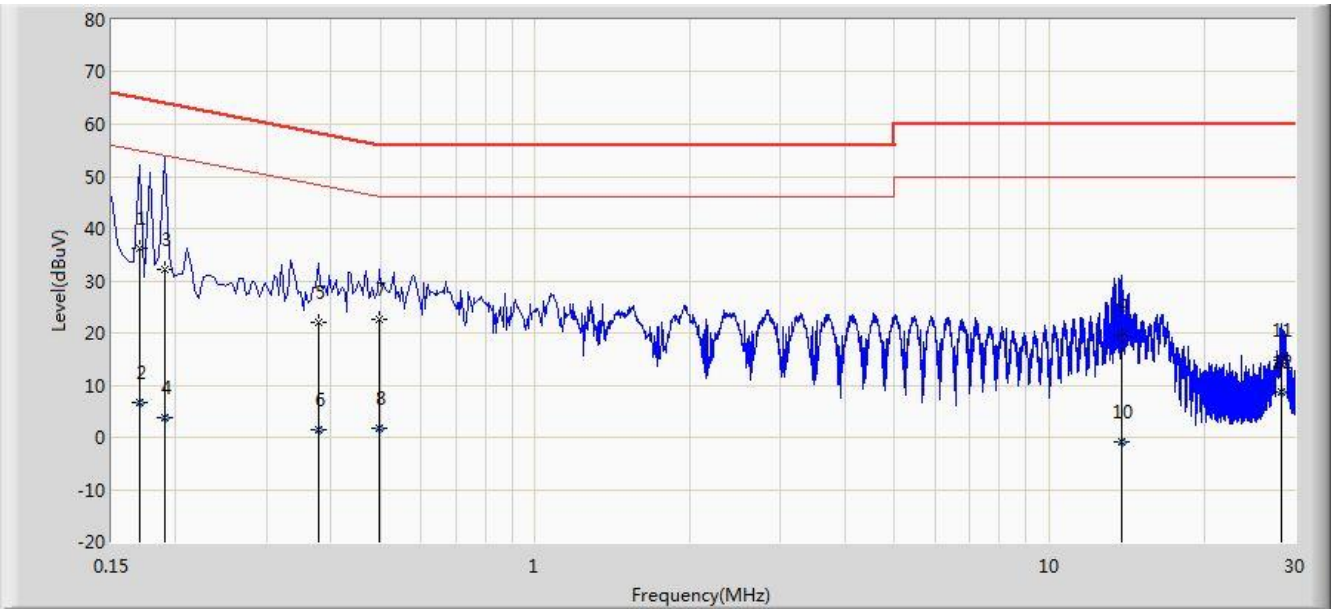


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.182	31.876	21.828	-32.518	64.394	10.048	QP
2			0.182	3.475	-6.573	-50.919	54.394	10.048	AV
3			0.426	20.171	10.064	-37.159	57.330	10.107	QP
4			0.426	1.469	-8.638	-45.861	47.330	10.107	AV
5		*	0.582	23.816	13.692	-32.184	56.000	10.124	QP
6			0.582	4.543	-5.581	-41.457	46.000	10.124	AV
7			0.682	19.685	9.612	-36.315	56.000	10.072	QP
8			0.682	1.342	-8.730	-44.658	46.000	10.072	AV
9			13.734	12.152	2.099	-47.848	60.000	10.053	QP
10			13.734	-3.770	-13.823	-53.770	50.000	10.053	AV
11			28.334	15.939	5.681	-44.061	60.000	10.257	QP
12			28.334	10.789	0.532	-39.211	50.000	10.257	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2019/07/23 - 10:20
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Hearing protection headset	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.170	36.106	26.042	-28.855	64.960	10.064	QP
2			0.170	6.536	-3.528	-48.424	54.960	10.064	AV
3			0.190	32.145	22.118	-31.876	64.021	10.027	QP
4			0.190	3.769	-6.258	-50.252	54.021	10.027	AV
5			0.378	22.061	11.965	-36.262	58.323	10.096	QP
6			0.378	1.504	-8.592	-46.819	48.323	10.096	AV
7			0.498	22.657	12.480	-33.376	56.033	10.178	QP
8			0.498	1.795	-8.382	-44.238	46.033	10.178	AV
9			13.782	19.411	9.323	-40.589	60.000	10.088	QP
10			13.782	-0.909	-10.997	-50.909	50.000	10.088	AV
11			28.258	14.742	4.343	-45.258	60.000	10.399	QP
12			28.258	8.699	-1.700	-41.301	50.000	10.399	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the unit is in compliance with Part 15C of the FCC rules and ISED rules.

The End

Appendix A - Test Setup Photograph

Refer to “1906RSU033-UT” file.

Appendix B - EUT Photograph

Refer to “1906RSU033-UE” file.