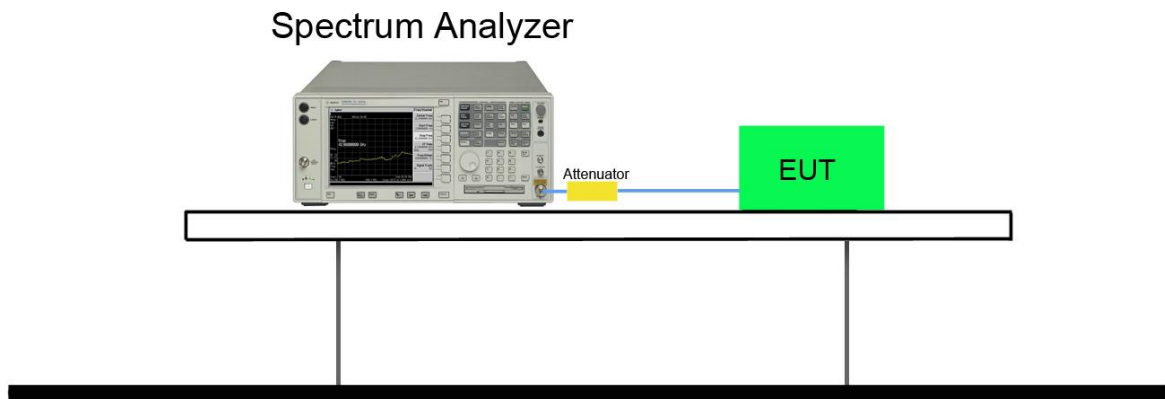
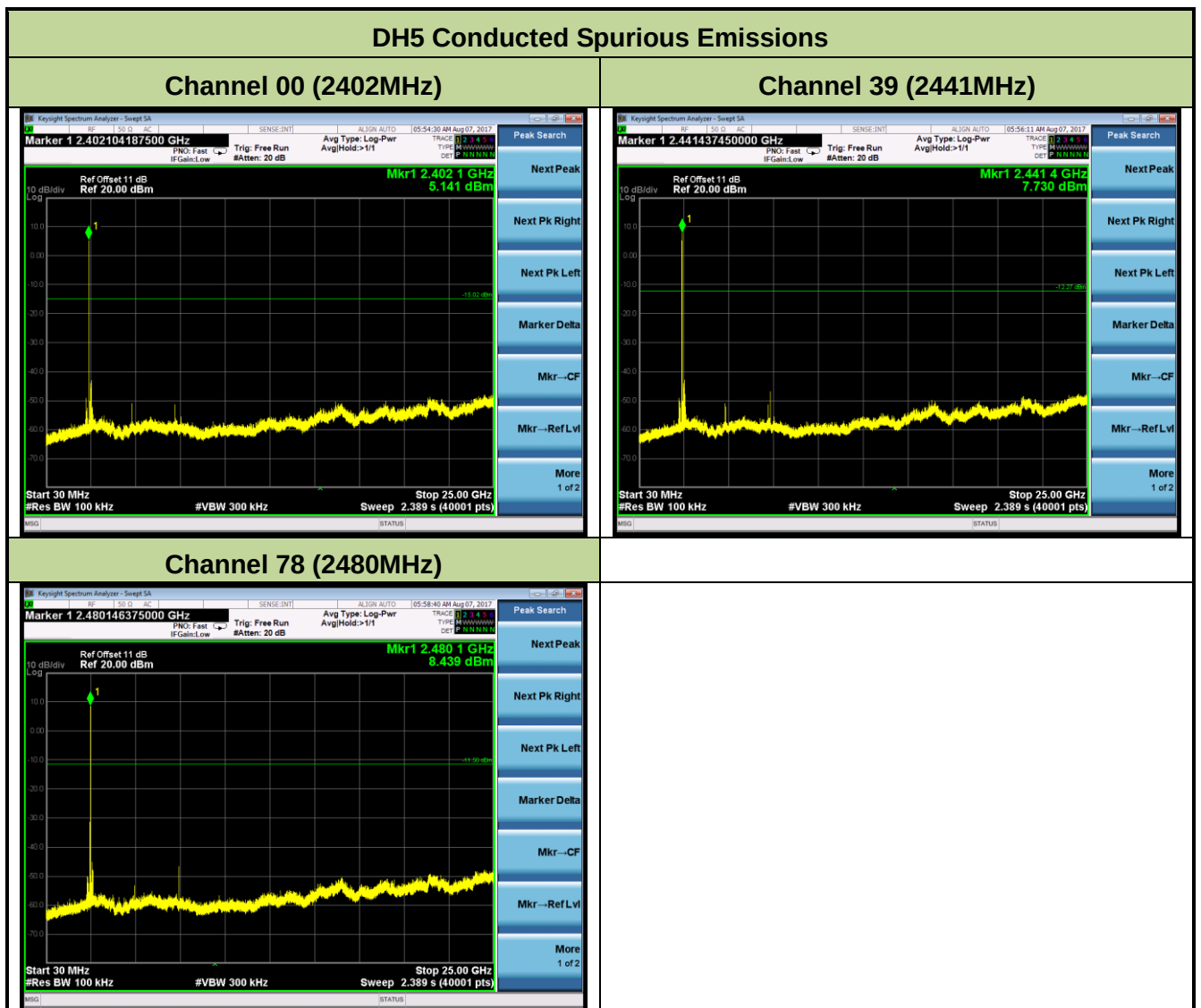


7.8.4.Test Setup



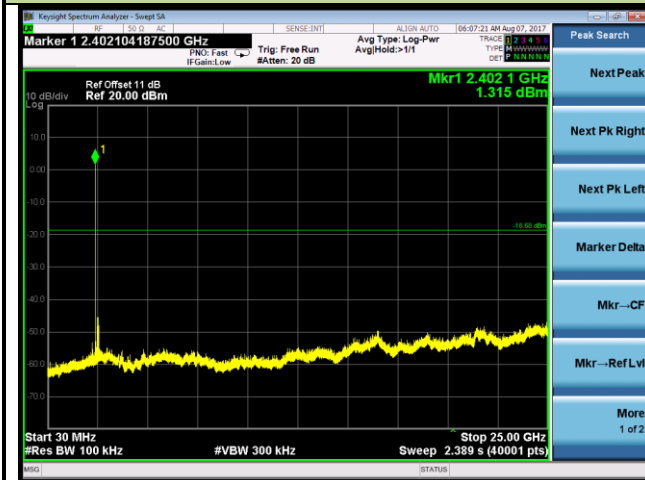
7.8.5. Test Result

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



2DH5 Conducted Spurious Emissions

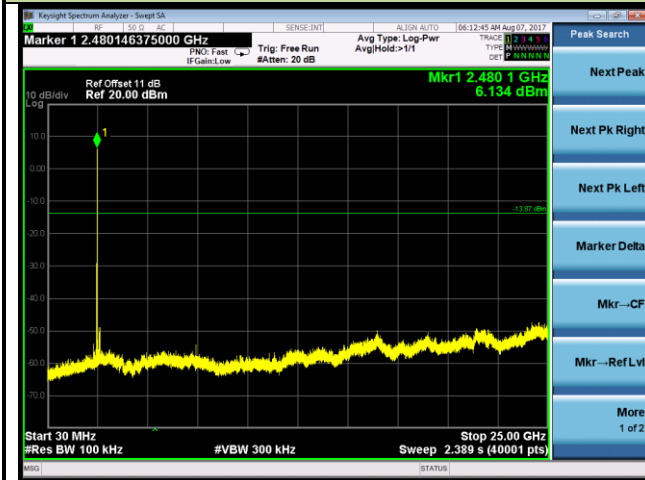
Channel 00 (2402MHz)



Channel 39 (2441MHz)

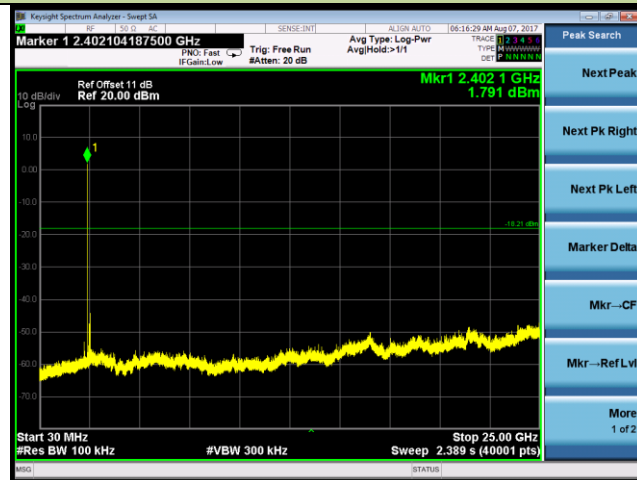


Channel 78 (2480MHz)



3DH5 Conducted Spurious Emissions

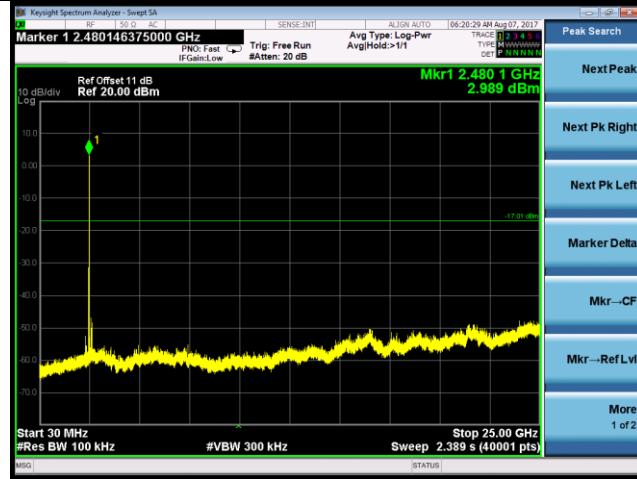
Channel 00 (2402MHz)



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 [uV/m]	Measured Distance [Meters]
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 C63.10-2013 - Section 11.12.1

7.9.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 * RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

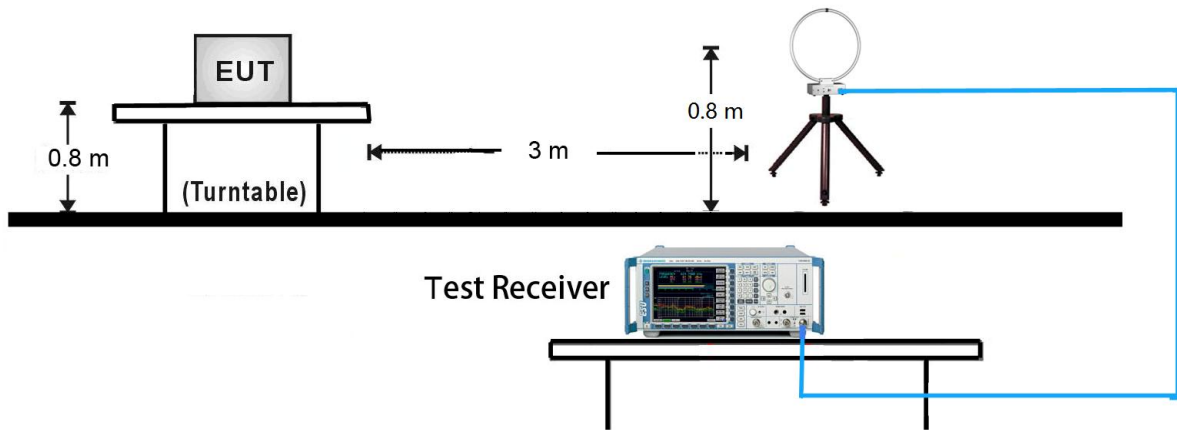
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

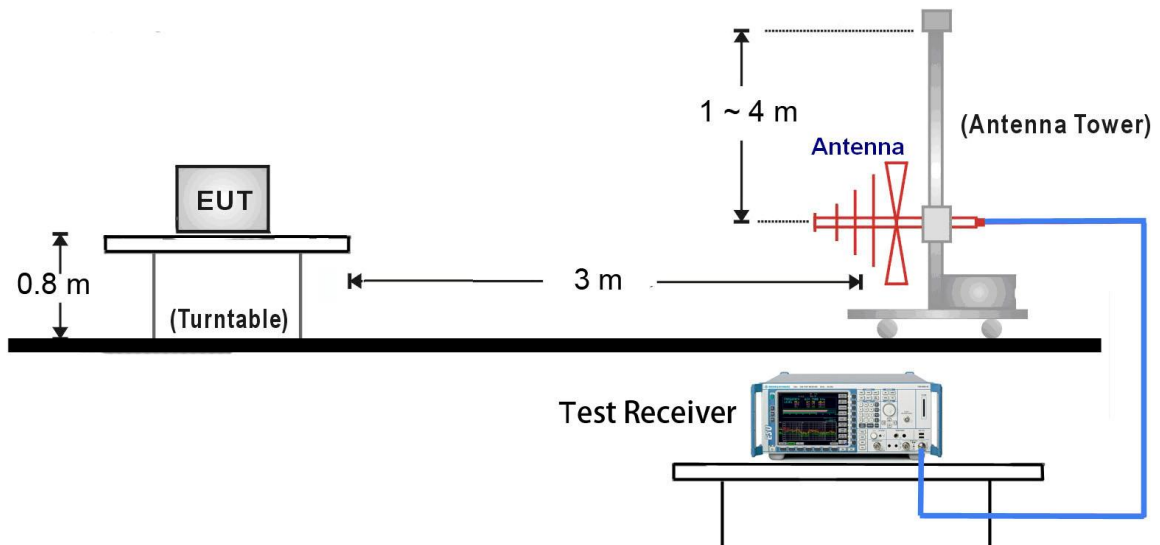
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.9.4. Test Setup

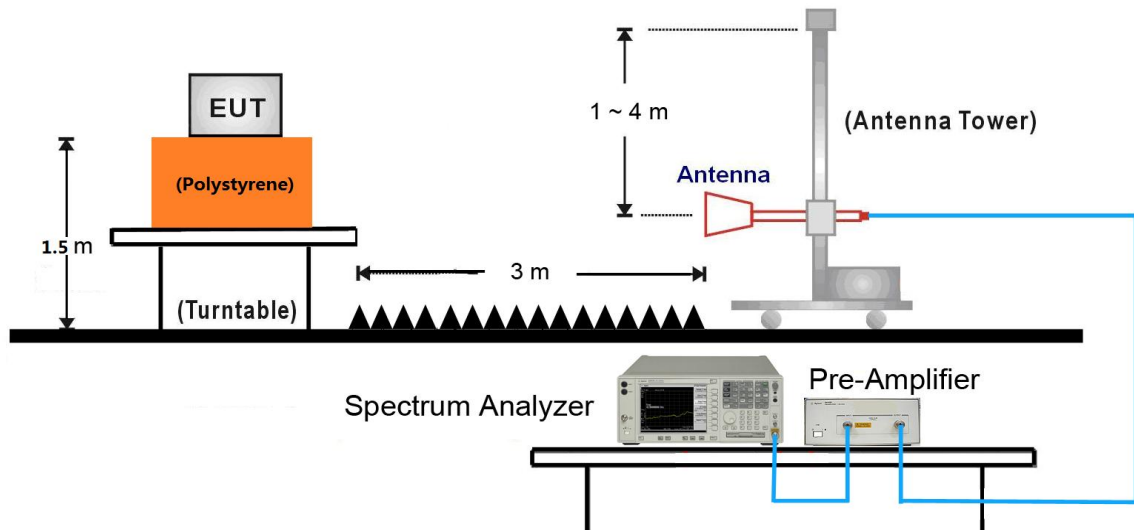
9kHz ~ 30MHz Test Setup:



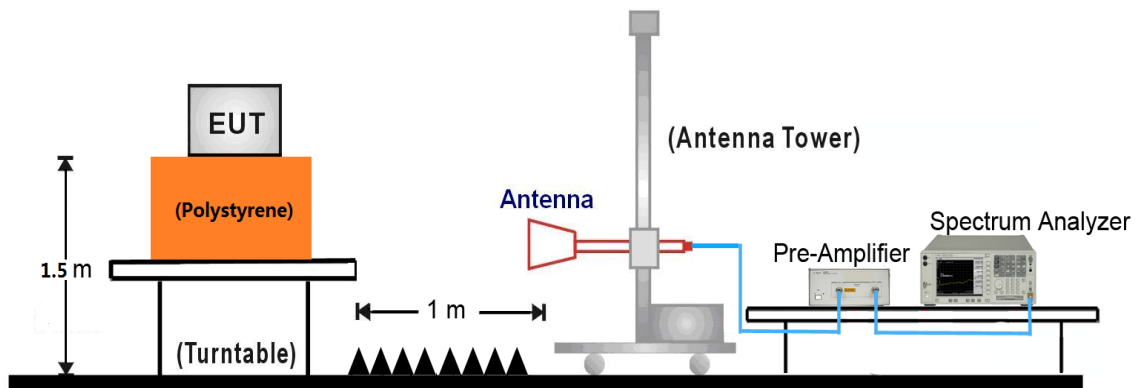
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.9.5. Test Result

Test Mode:	DH5	Test Site:	AC1
Test Channel:	00	Test Engineer:	Bruce Wang
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
	4799.5	43.7	2.7	46.4	74.0	-27.6	Peak	Horizontal
*	7205.0	38.4	7.8	46.2	80.7	-34.5	Peak	Horizontal
	11701.5	37.2	12.0	49.2	74.0	-24.8	Peak	Horizontal
*	16376.5	38.0	13.0	51.0	80.7	-29.7	Peak	Horizontal
	4808.0	41.9	2.7	44.6	74.0	-29.4	Peak	Vertical
*	7205.0	38.0	7.8	45.8	80.7	-34.9	Peak	Vertical
	11013.0	35.6	13.0	48.6	74.0	-25.4	Peak	Vertical
*	16640.0	37.7	14.1	51.8	80.7	-28.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.7dBμV/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)

Test Mode:	DH5	Test Site:	AC1
Test channel:	39	Test Engineer:	Bruce Wang
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	42.9	2.7	45.6	74.0	-28.4	Peak	Horizontal
	7324.0	38.5	8.0	46.5	74.0	-27.5	Peak	Horizontal
*	10350.0	34.5	12.2	46.7	81.0	-34.3	Peak	Horizontal
*	13792.5	35.4	14.4	49.8	81.0	-31.2	Peak	Horizontal
	4884.5	42.8	2.7	45.5	74.0	-28.5	Peak	Vertical
	7324.0	40.8	8.0	48.8	74.0	-25.2	Peak	Vertical
*	10384.0	35.1	12.3	47.4	81.0	-33.6	Peak	Vertical
*	13682.0	35.7	14.0	49.7	81.0	-31.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.1dBμV/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)

Test Mode:	DH5	Test Site:	AC1
Test channel:	78	Test Engineer:	Bruce Wang
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	43.6	2.9	46.5	74.0	-27.5	Peak	Horizontal
*	7205.0	38.4	7.8	46.2	83.9	-37.7	Peak	Horizontal
	10987.5	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
*	16691.0	38.4	14.4	52.8	83.9	-31.1	Peak	Horizontal
	4961.0	40.8	2.9	43.7	74.0	-30.3	Peak	Vertical
*	7443.0	39.7	8.0	47.7	74.0	-26.3	Peak	Vertical
	13801.0	35.8	14.4	50.2	83.9	-33.7	Peak	Vertical
*	16708.0	37.3	14.5	51.8	83.9	-32.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (103.9dBμV/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)

Test Mode:	2DH5	Test Site:	AC1
Test channel:	00	Test Engineer:	Bruce Wang
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
	4799.5	39.5	2.7	42.2	74.0	-31.8	Peak	Horizontal
	8080.5	35.8	8.6	44.4	74.0	-29.6	Peak	Horizontal
*	13622.5	35.1	13.9	49.0	78.0	-29.0	Peak	Horizontal
*	16878.0	38.0	15.2	53.2	78.0	-24.8	Peak	Horizontal
	4799.5	38.4	2.7	41.1	74.0	-32.9	Peak	Vertical
	8216.5	35.7	8.2	43.9	74.0	-30.1	Peak	Vertical
*	13809.5	35.6	14.4	50.0	78.0	-28.0	Peak	Vertical
*	16699.5	37.5	14.5	52.0	78.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.0dBμV/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)

Test Mode:	2DH5	Test Site:	AC1
Test channel:	39	Test Engineer:	Bruce Wang
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	41.3	2.7	44.0	74.0	-30.0	Peak	Horizontal
	7681.0	35.3	8.0	43.3	74.0	-30.7	Peak	Horizontal
*	10435.0	34.5	12.0	46.5	80.0	-33.5	Peak	Horizontal
*	13741.5	36.5	14.2	50.7	80.0	-29.3	Peak	Horizontal
	4884.5	41.1	2.7	43.8	74.0	-30.2	Peak	Vertical
	7324.0	36.4	8.0	44.4	74.0	-29.6	Peak	Vertical
*	10180.0	34.7	11.7	46.4	80.0	-33.6	Peak	Vertical
*	13741.5	35.4	14.2	49.6	80.0	-30.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.0dBμV/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)

Test Mode:	2DH5	Test Site:	AC1
Test channel:	78	Test Engineer:	Bruce Wang
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	41.6	2.9	44.5	74.0	-29.5	Peak	Horizontal
	11064.0	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
*	13971.0	35.8	14.8	50.6	82.2	-31.6	Peak	Horizontal
*	16912.0	37.1	15.3	52.4	82.2	-29.8	Peak	Horizontal
	4961.0	40.0	2.9	42.9	74.0	-31.1	Peak	Vertical
	7443.0	37.3	8.0	45.3	74.0	-28.7	Peak	Vertical
*	9789.0	34.6	11.4	46.0	82.2	-36.2	Peak	Vertical
*	13852.0	35.2	14.5	49.7	82.2	-32.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.2dBμV/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)

Test Mode:	3DH5	Test Site:	AC1
Test channel:	00	Test Engineer:	Bruce Wang
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
	4799.5	39.7	2.7	42.4	74.0	-31.6	Peak	Horizontal
	8310.0	36.5	8.0	44.5	74.0	-29.5	Peak	Horizontal
*	13724.5	36.4	14.1	50.5	78.3	-27.8	Peak	Horizontal
*	16835.5	37.6	15.0	52.6	78.3	-25.7	Peak	Horizontal
	4799.5	38.1	2.7	40.8	74.0	-33.2	Peak	Vertical
	8310.0	34.7	8.0	42.7	74.0	-31.3	Peak	Vertical
*	14158.0	35.6	15.3	50.9	78.3	-27.4	Peak	Vertical
*	16665.5	37.4	14.3	51.7	78.3	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.3dBμV/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)

Test Mode:	3DH5	Test Site:	AC1
Test channel:	39	Test Engineer:	Bruce Wang
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	41.4	2.7	44.1	74.0	-29.9	Peak	Horizontal
	8038.0	35.5	8.8	44.3	74.0	-29.7	Peak	Horizontal
*	10409.5	35.0	12.3	47.3	80.0	-32.7	Peak	Horizontal
*	13503.5	36.4	13.7	50.1	80.0	-29.9	Peak	Horizontal
	4884.5	40.7	2.7	43.4	74.0	-30.6	Peak	Vertical
	7324.0	36.6	8.0	44.6	74.0	-29.4	Peak	Vertical
*	10350.0	34.6	12.2	46.8	80.0	-33.2	Peak	Vertical
*	13597.0	35.6	13.9	49.5	80.0	-30.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.0dBμV/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)

Test Mode:	3DH5	Test Site:	AC1
Test channel:	78	Test Engineer:	Bruce Wang
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	41.0	2.9	43.9	74.0	-30.1	Peak	Horizontal
	8301.5	35.3	8.0	43.3	74.0	-30.7	Peak	Horizontal
*	10341.5	34.7	12.2	46.9	82.0	-35.1	Peak	Horizontal
*	16963.0	37.3	15.4	52.7	82.0	-29.3	Peak	Horizontal
	4961.0	39.7	2.9	42.6	74.0	-31.4	Peak	Vertical
	8369.5	35.8	8.0	43.8	74.0	-30.2	Peak	Vertical
*	13605.5	35.1	13.9	49.0	82.0	-33.0	Peak	Vertical
*	16852.5	37.5	15.1	52.6	82.0	-29.4	Peak	Vertical

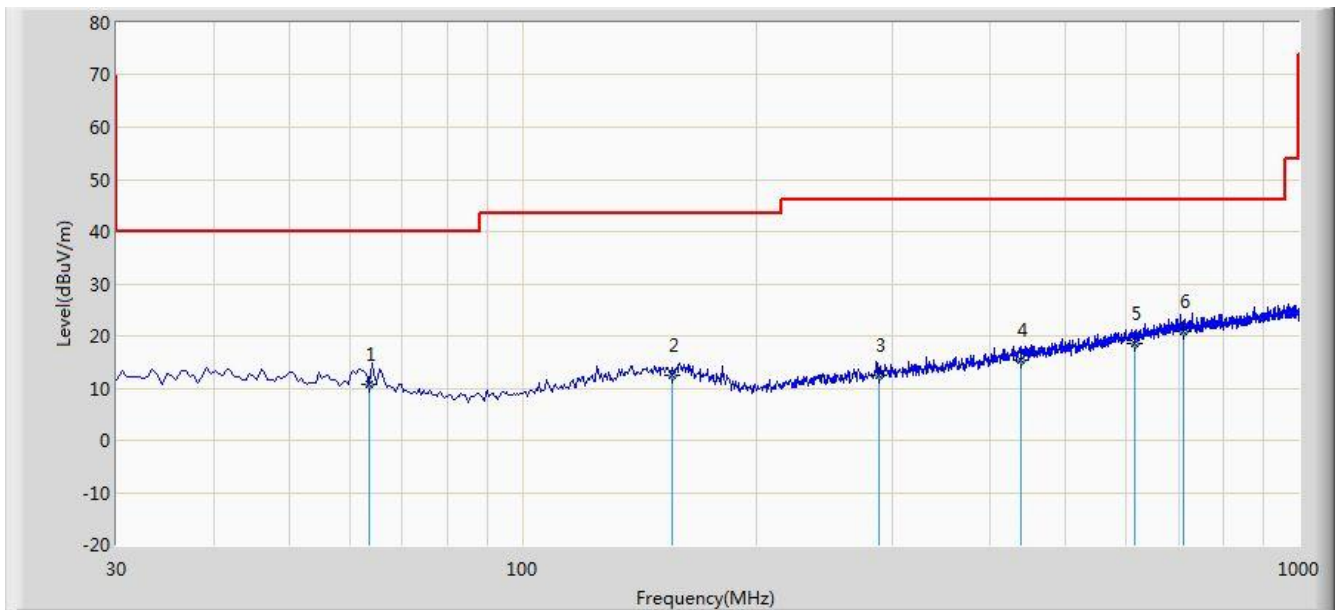
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m) or 15.209 which is higher.

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 30MHz ~ 1GHz:

Site: AC1	Time: 2017/09/02 - 22:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Worst Case Mode: Transmit by DH5 at channel 2402MHz	



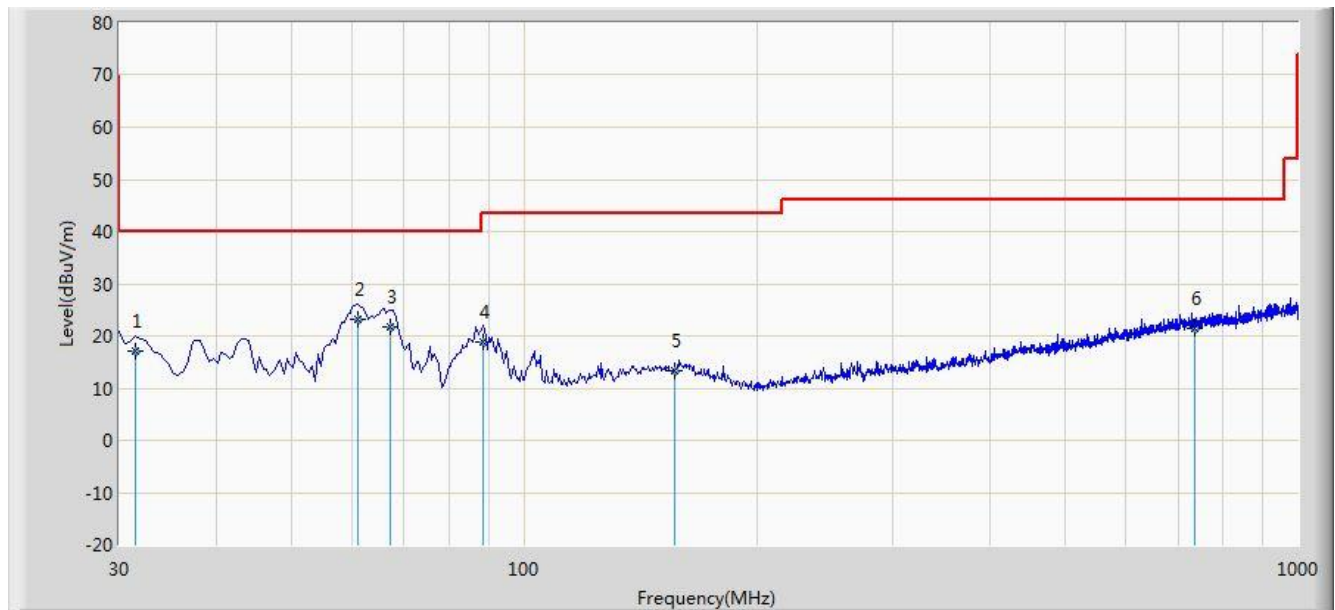
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			63.465	10.800	-1.925	-29.200	40.000	12.725	QP
2			156.100	12.602	-2.581	-30.898	43.500	15.183	QP
3			287.535	12.591	-1.394	-33.409	46.000	13.986	QP
4			439.340	15.334	-2.238	-30.666	46.000	17.572	QP
5			614.425	18.689	-2.088	-27.311	46.000	20.777	QP
6		*	709.485	20.921	-1.230	-25.079	46.000	22.152	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + 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: 2017/09/02 - 22:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Worst Case Mode: Transmit by DH5 at channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.455	16.990	3.320	-23.010	40.000	13.670	QP
2		*	61.040	23.187	10.030	-16.813	40.000	13.157	QP
3			67.345	21.848	9.865	-18.152	40.000	11.984	QP
4			88.685	18.802	8.620	-24.698	43.500	10.182	QP
5			156.585	13.329	-1.855	-30.171	43.500	15.184	QP
6			734.220	21.430	-1.069	-24.570	46.000	22.499	QP

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

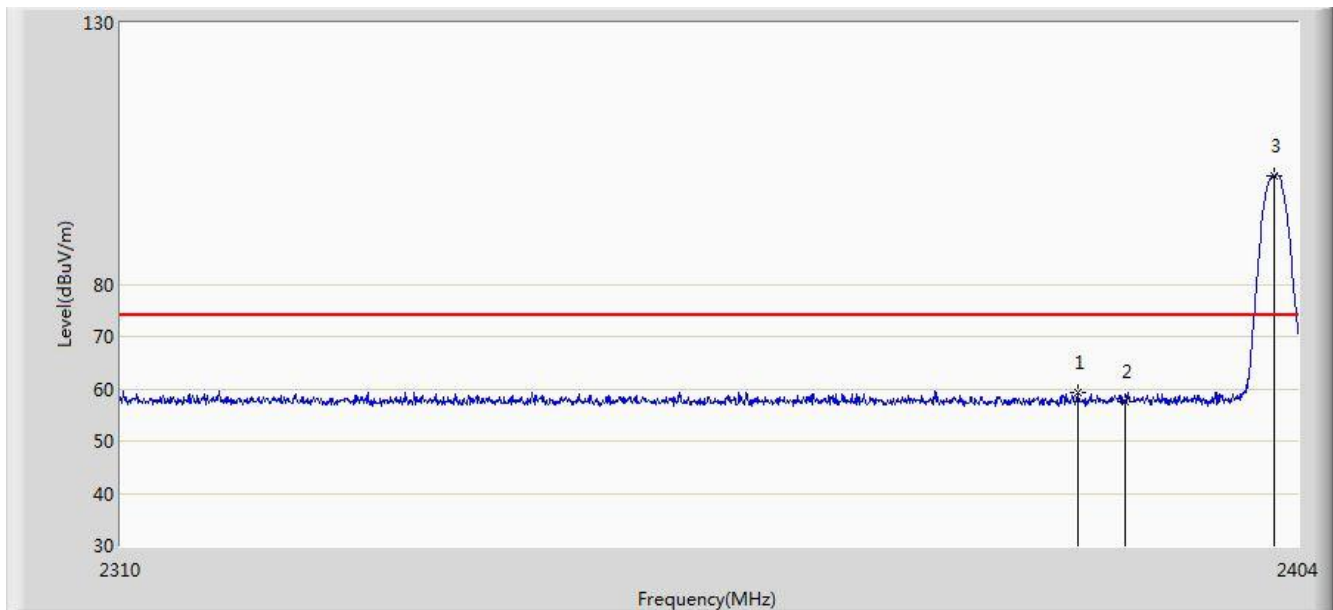
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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 Result

Site: AC1	Time: 2017/08/08 - 21:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2402MHz	

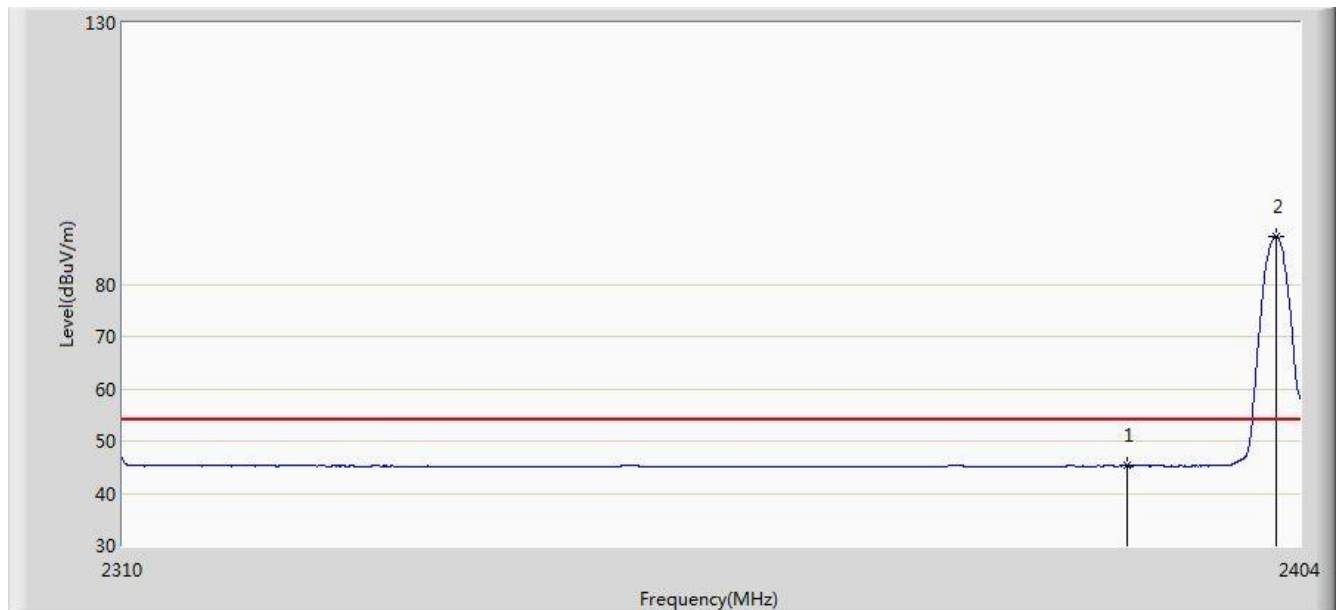


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.104	59.245	28.035	-14.755	74.000	31.210	PK
2			2390.000	57.425	26.222	-16.575	74.000	31.203	PK
3		*	2402.064	100.705	69.521	26.705	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 22:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2402MHz	

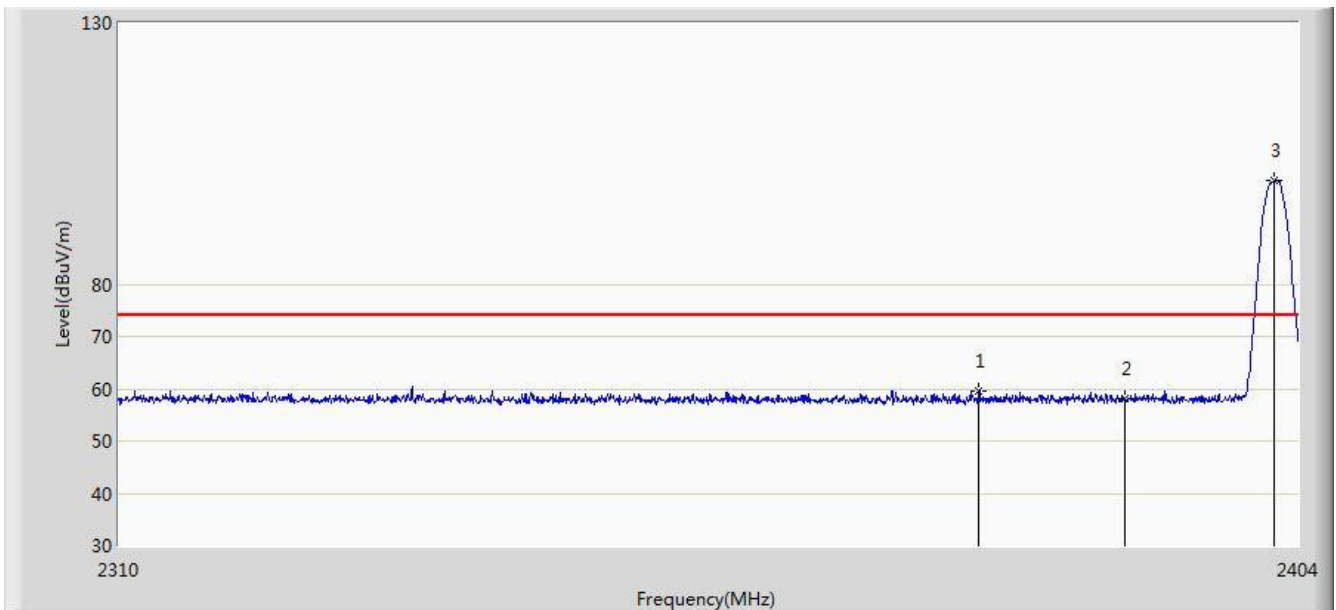


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.244	14.041	-8.756	54.000	31.203	AV
2		*	2402.064	89.257	58.073	35.257	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 22:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2402MHz	

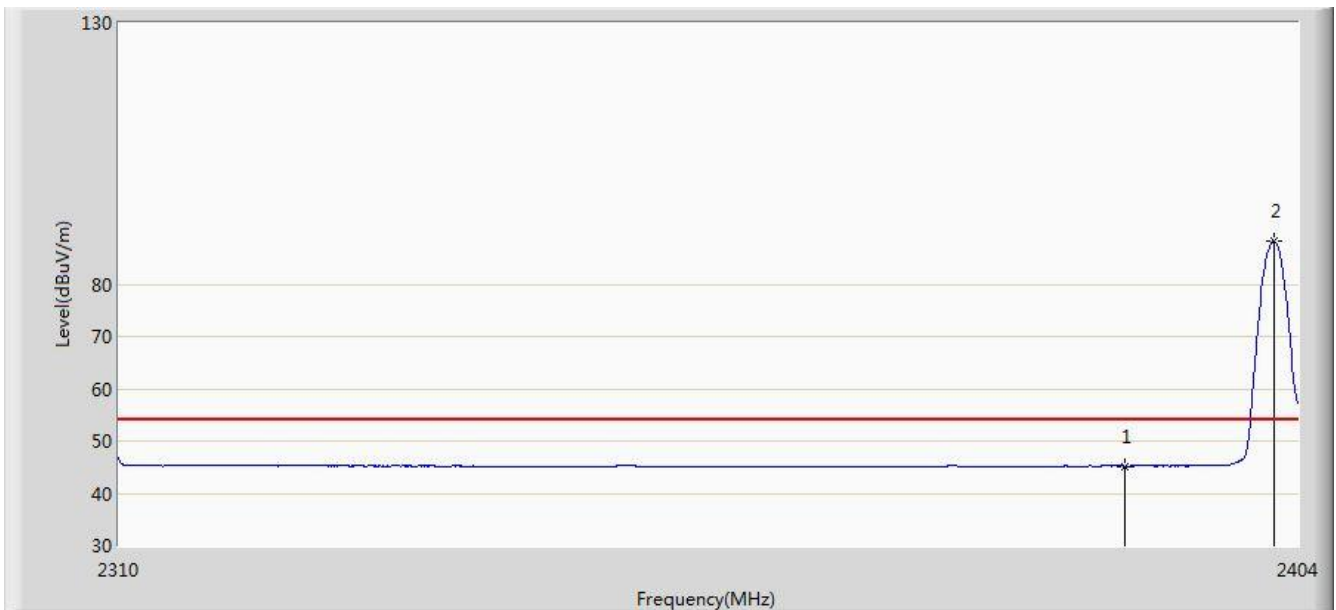


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.208	59.701	28.477	-14.299	74.000	31.224	PK
2			2390.000	58.026	26.823	-15.974	74.000	31.203	PK
3		*	2402.064	99.731	68.547	25.731	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 22:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E20	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2402MHz Ant 0+1 Power=18	

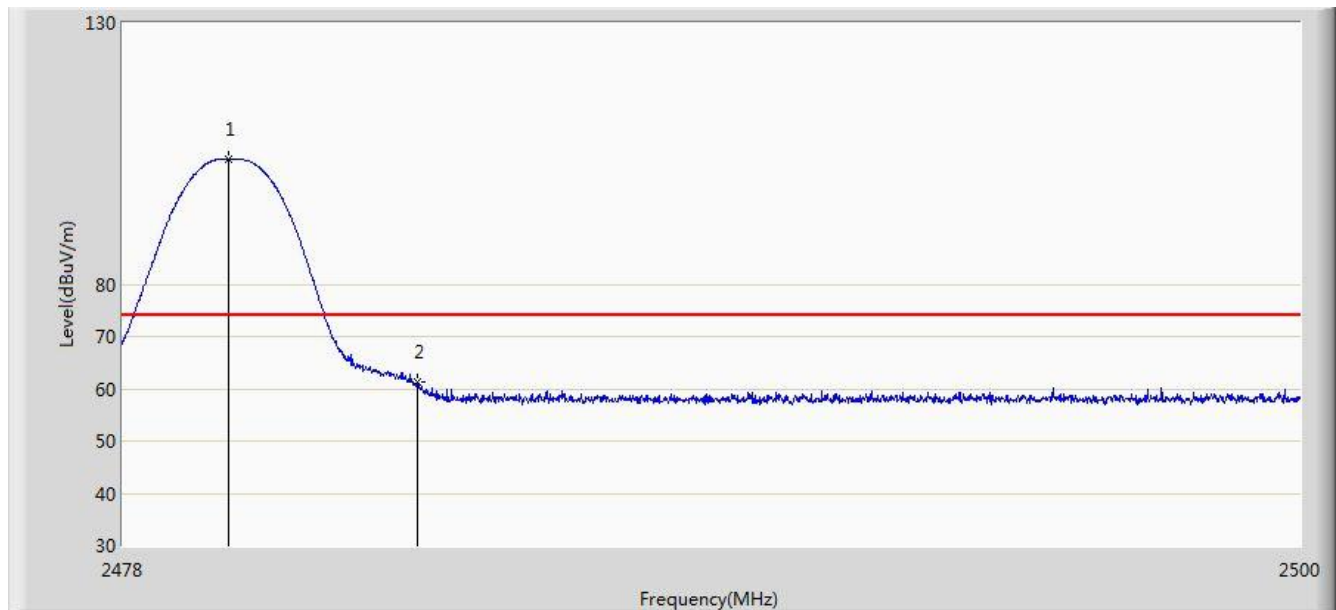


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.192	13.989	-8.808	54.000	31.203	AV
2		*	2402.064	88.260	57.076	34.260	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 22:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2480MHz	

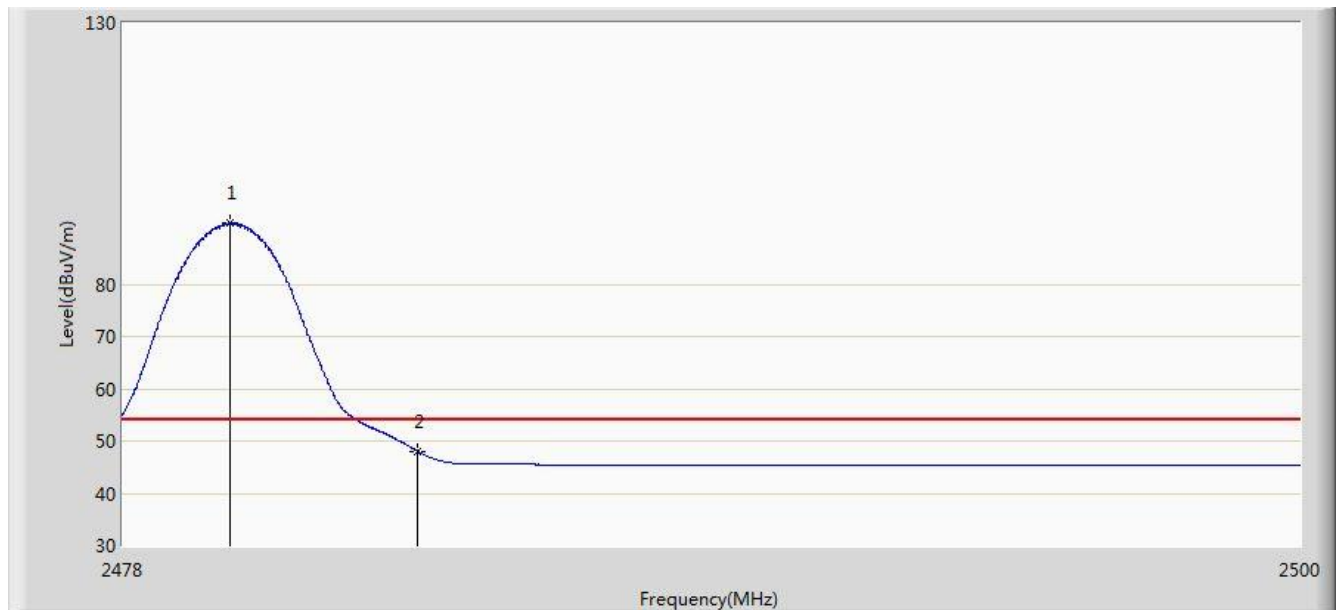


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.969	103.924	72.740	29.924	74.000	31.184	PK
2			2483.500	61.358	30.165	-12.642	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/08/08 - 22:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2480MHz	

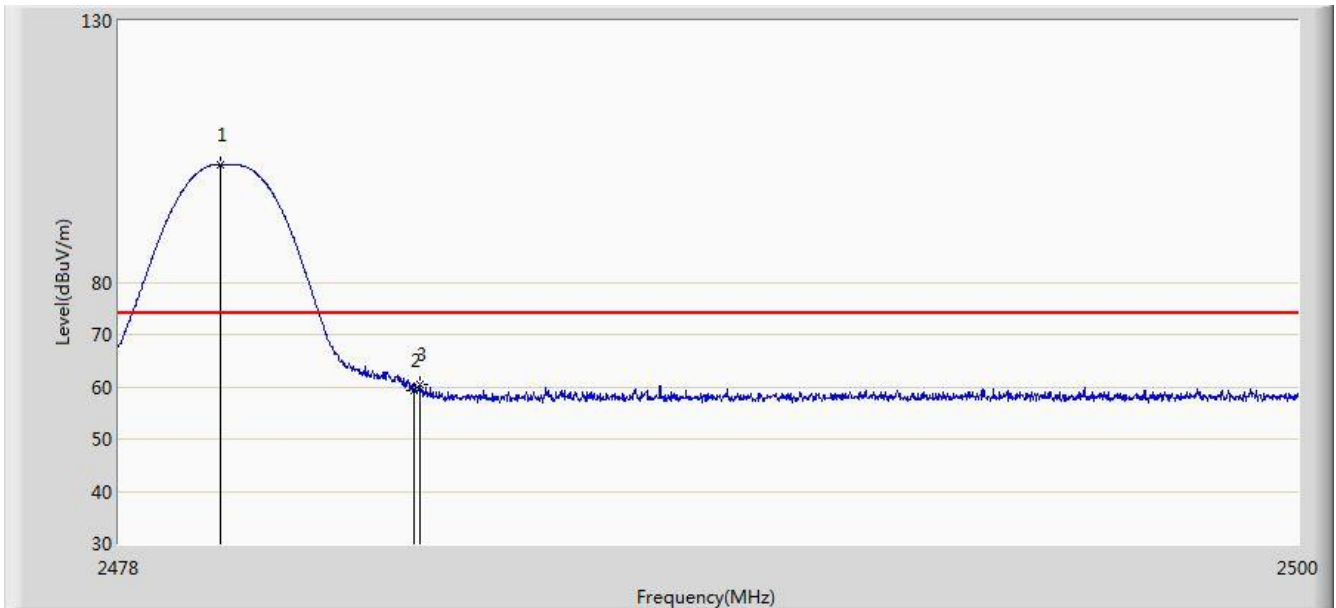


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.013	91.661	60.477	37.661	54.000	31.184	AV
2			2483.500	48.018	16.825	-5.982	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/08/08 - 22:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2480MHz	

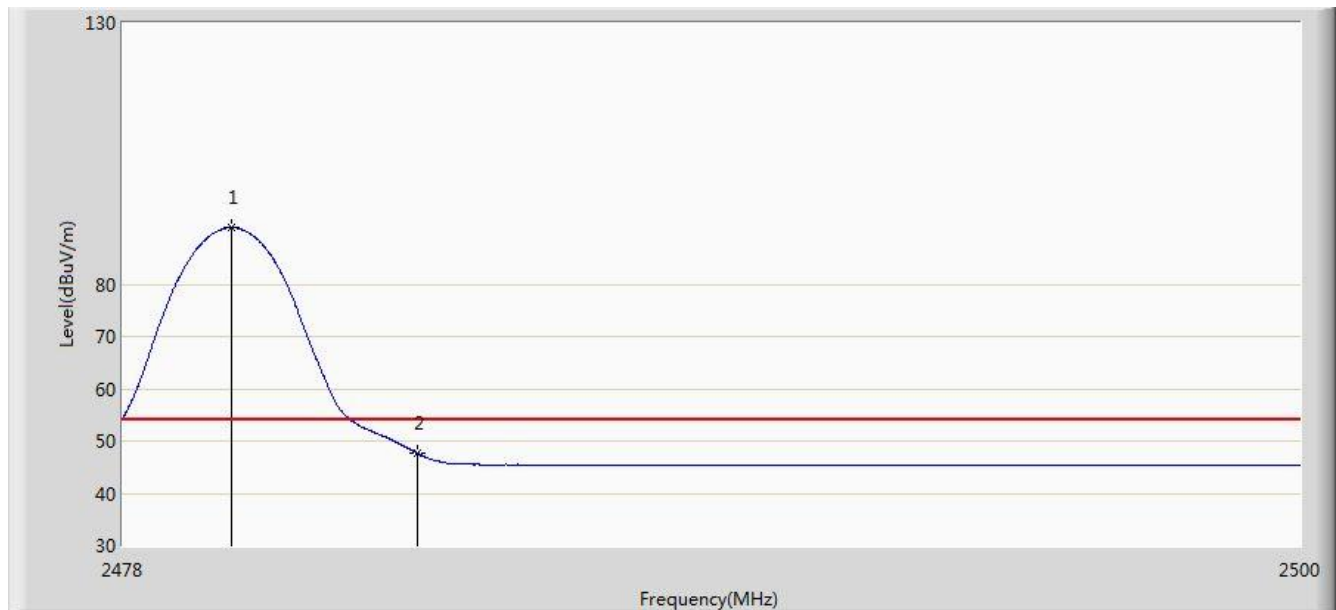


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.892	102.558	71.374	28.558	74.000	31.184	PK
2			2483.500	59.359	28.166	-14.641	74.000	31.194	PK
3			2483.599	60.460	29.266	-13.540	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/08/08 - 22:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at channel 2480MHz	

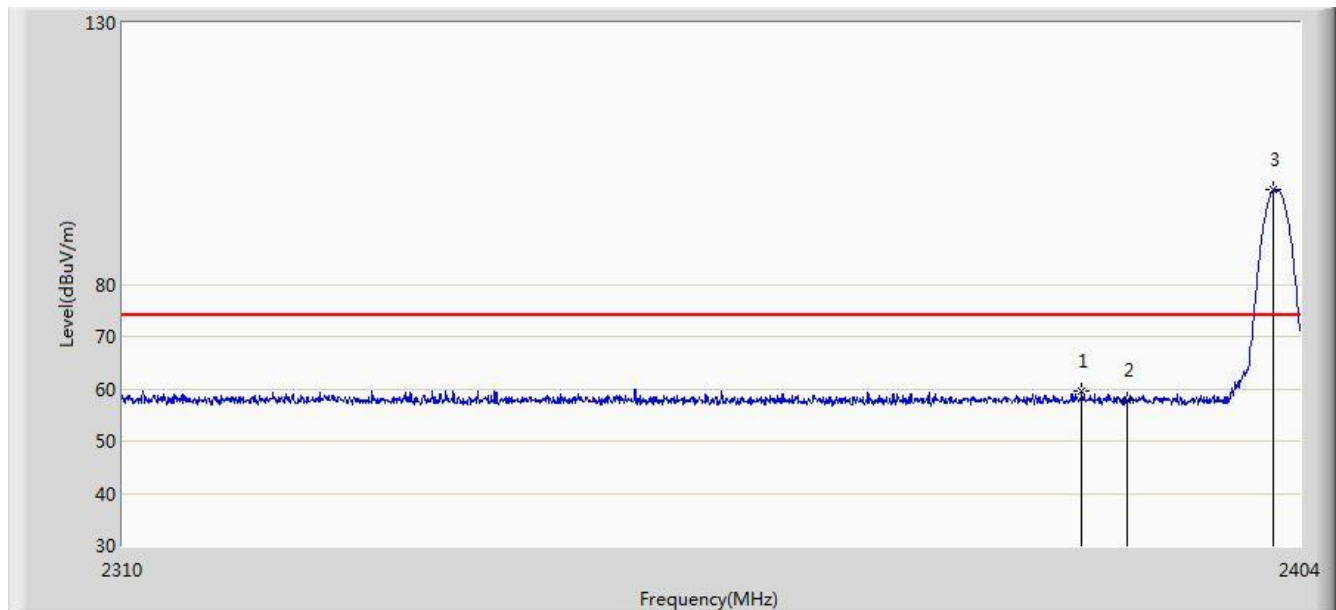


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.035	90.811	59.627	36.811	54.000	31.184	AV
2			2483.500	47.597	16.404	-6.403	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/08/08 - 22:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2402MHz	

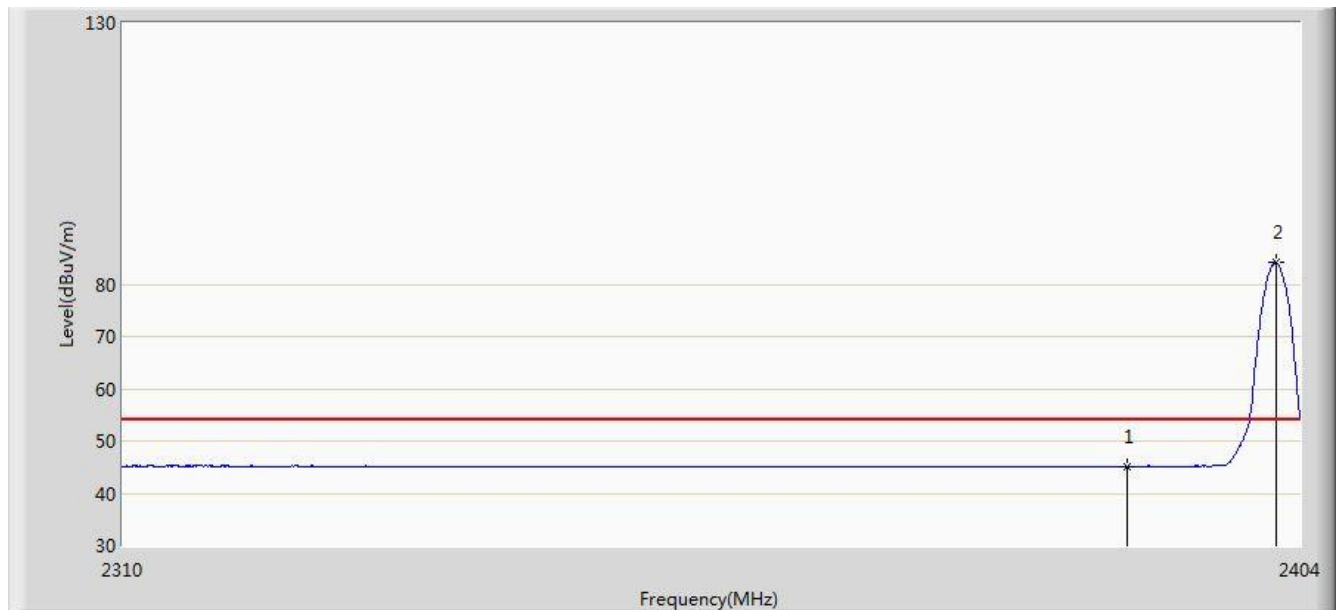


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.328	59.437	28.228	-14.563	74.000	31.209	PK
2			2390.000	57.723	26.520	-16.277	74.000	31.203	PK
3		*	2401.885	98.008	66.824	24.008	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 22:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2402MHz	

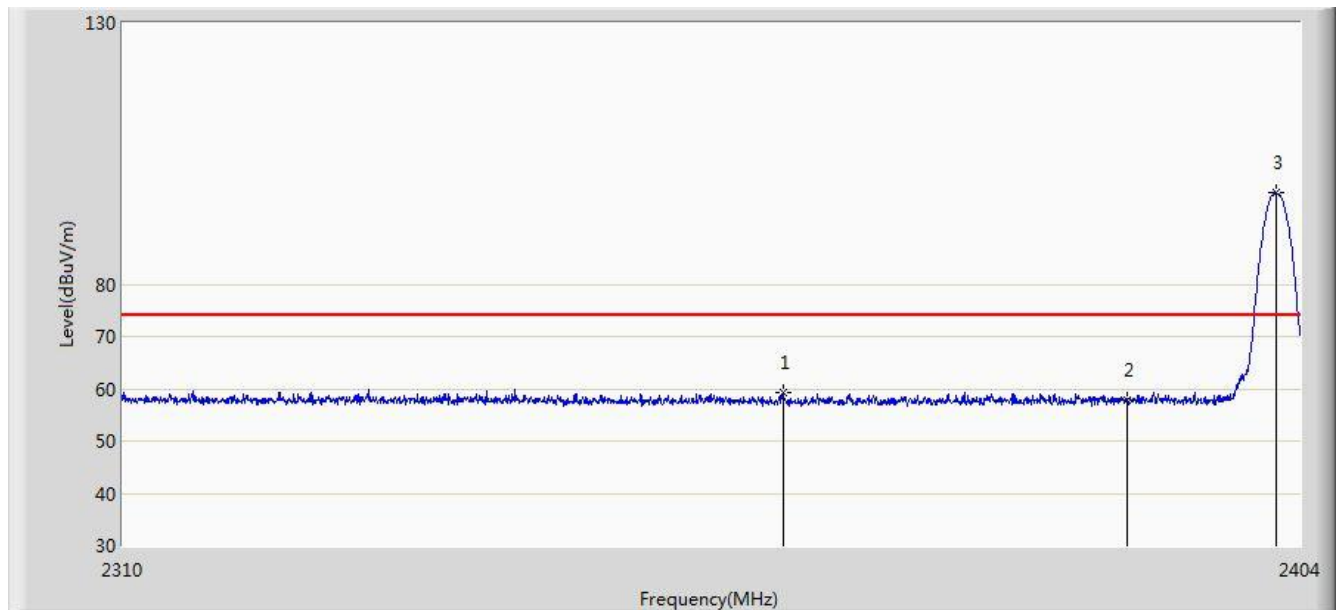


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.180	13.977	-8.820	54.000	31.203	AV
2		*	2402.026	84.288	53.104	30.288	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2402MHz	

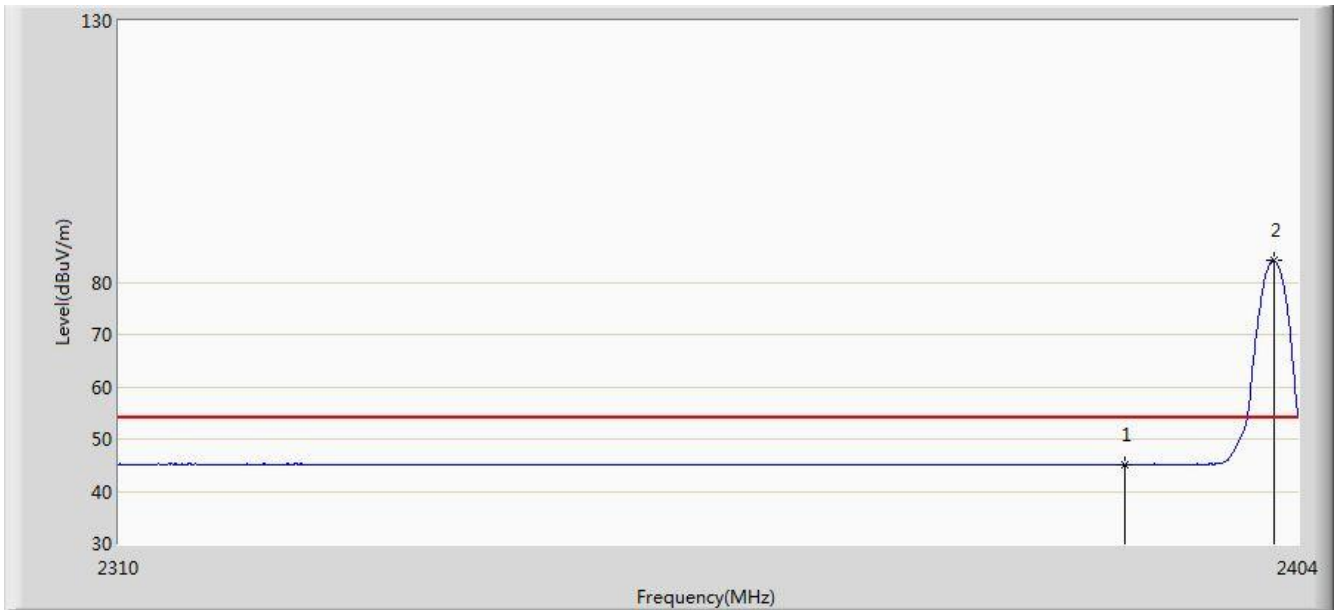


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2362.311	59.397	28.143	-14.603	74.000	31.255	PK
2			2390.000	57.915	26.712	-16.085	74.000	31.203	PK
3		*	2402.026	97.573	66.389	23.573	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2402MHz	

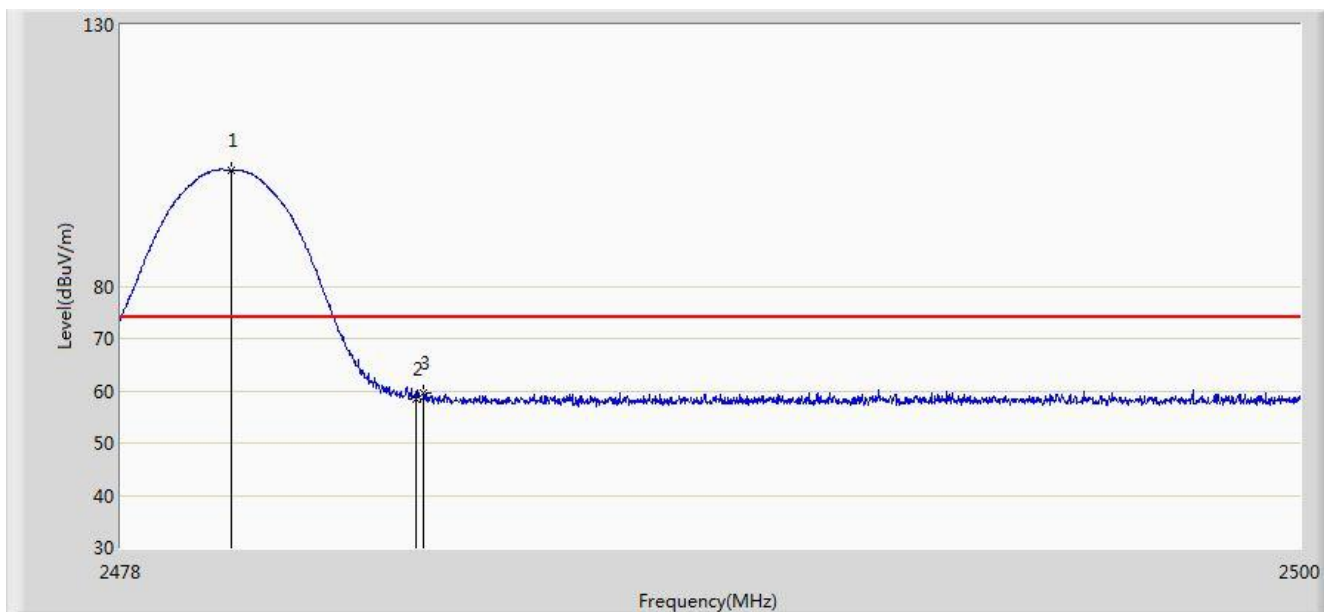


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.199	13.996	-8.801	54.000	31.203	AV
2		*	2402.026	84.240	53.056	30.240	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2480MHz	

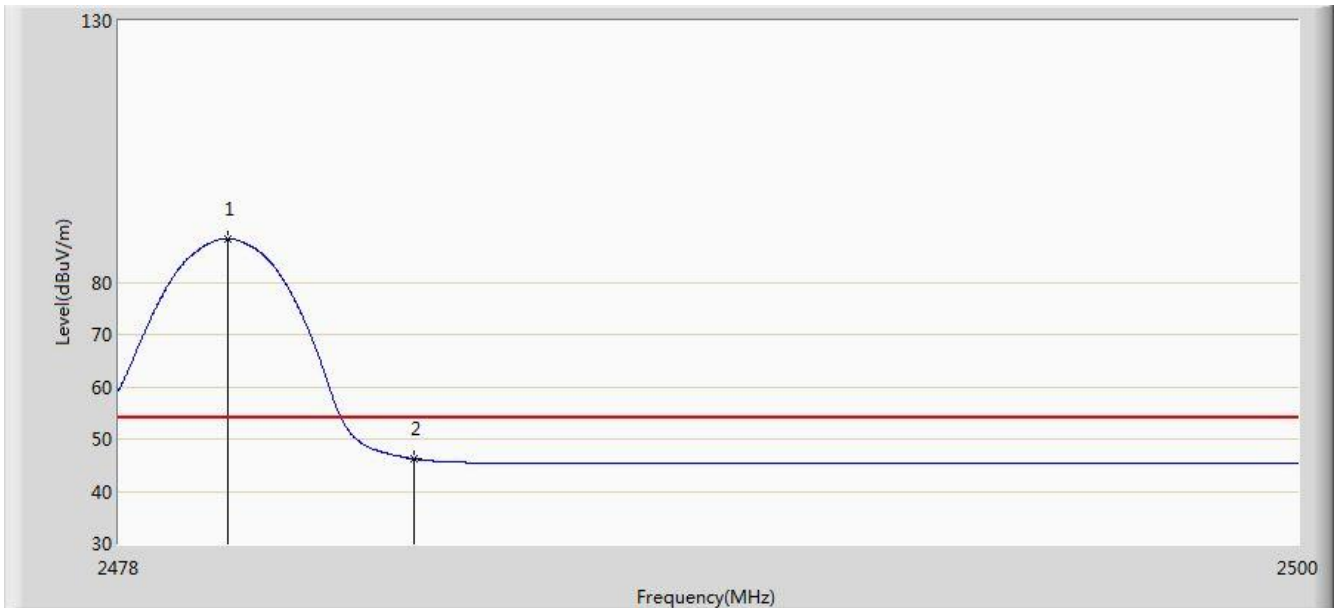


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.057	102.233	71.049	28.233	74.000	31.184	PK
2			2483.500	58.412	27.219	-15.588	74.000	31.194	PK
3			2483.643	59.548	28.354	-14.452	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2480MHz	

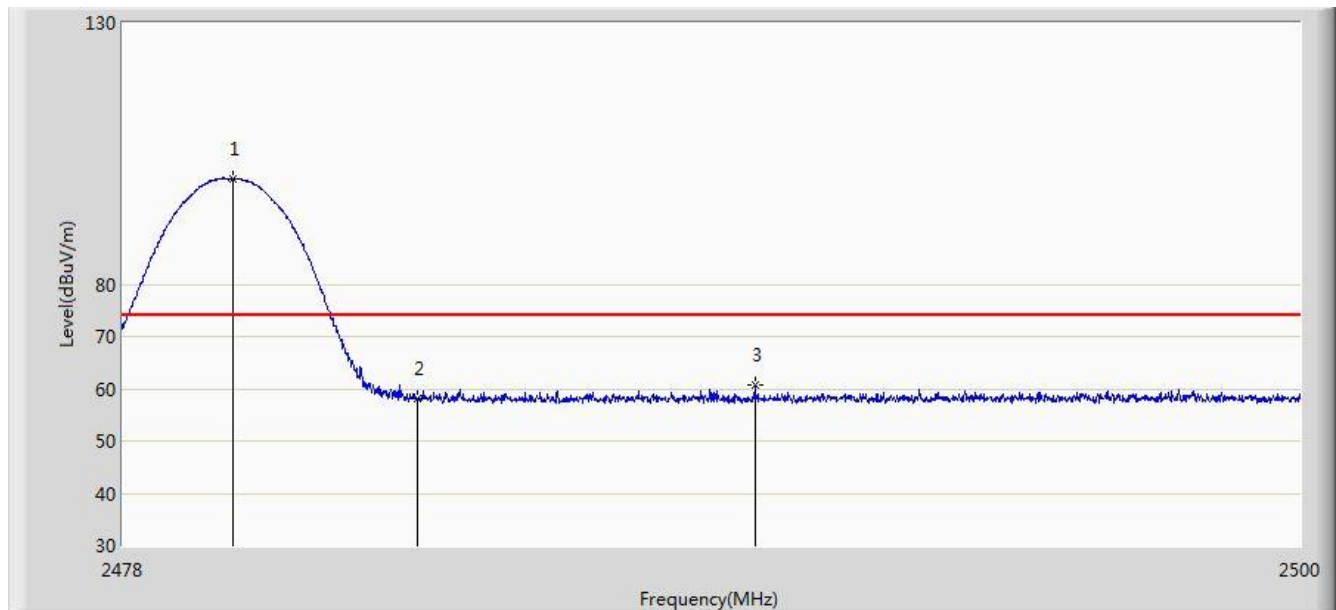


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.035	88.363	57.179	34.363	54.000	31.184	AV
2			2483.500	46.195	15.002	-7.805	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2480MHz	

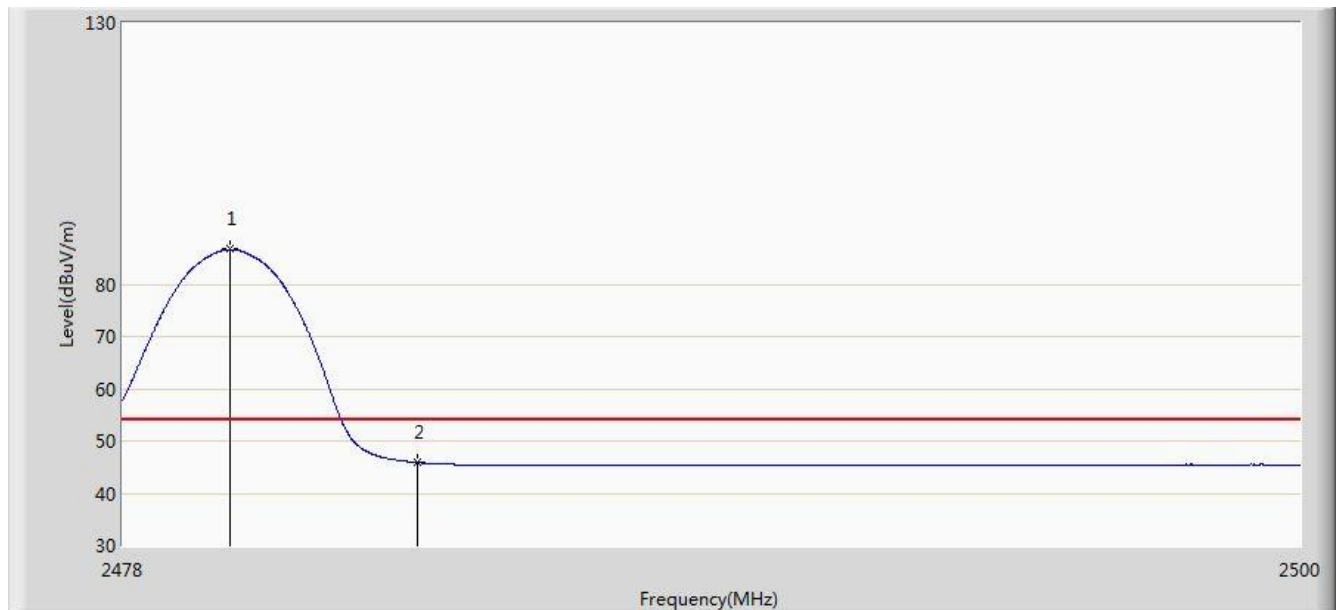


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.057	100.051	68.867	26.051	74.000	31.184	PK
2			2483.500	58.214	27.021	-15.786	74.000	31.194	PK
3			2489.792	60.632	29.422	-13.368	74.000	31.210	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at channel 2480MHz	

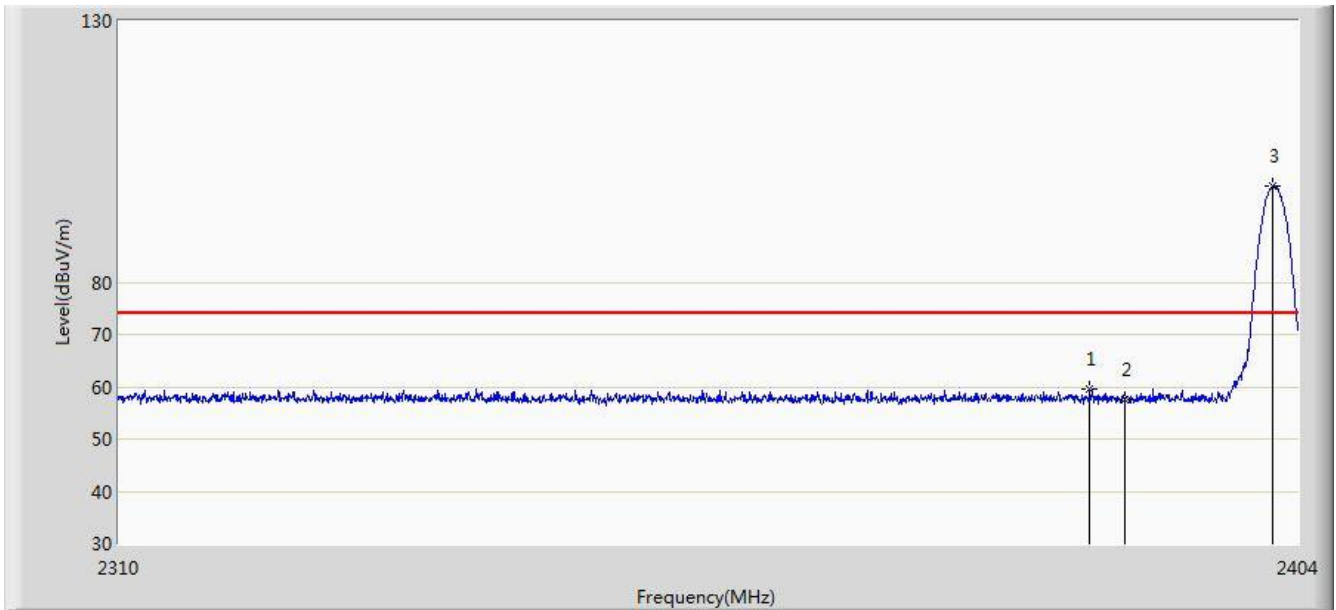


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.013	86.680	55.496	32.680	54.000	31.184	AV
2			2483.500	45.856	14.663	-8.144	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	

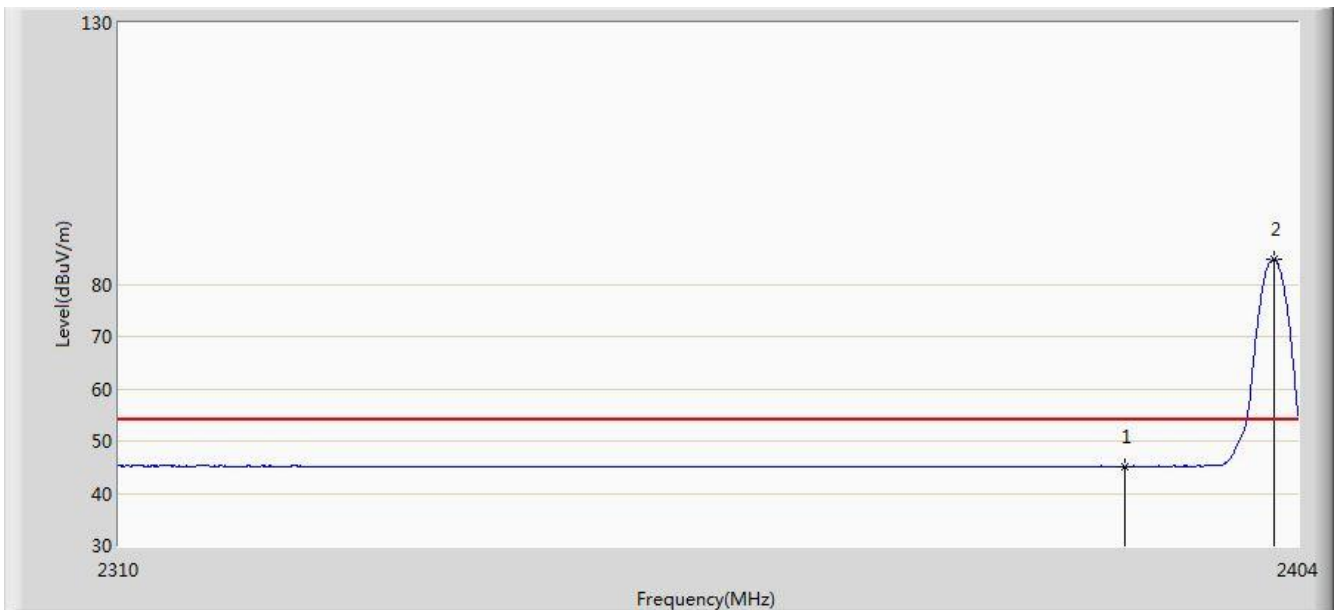


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.127	59.518	28.310	-14.482	74.000	31.208	PK
2			2390.000	57.543	26.340	-16.457	74.000	31.203	PK
3		*	2401.932	98.300	67.116	24.300	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	

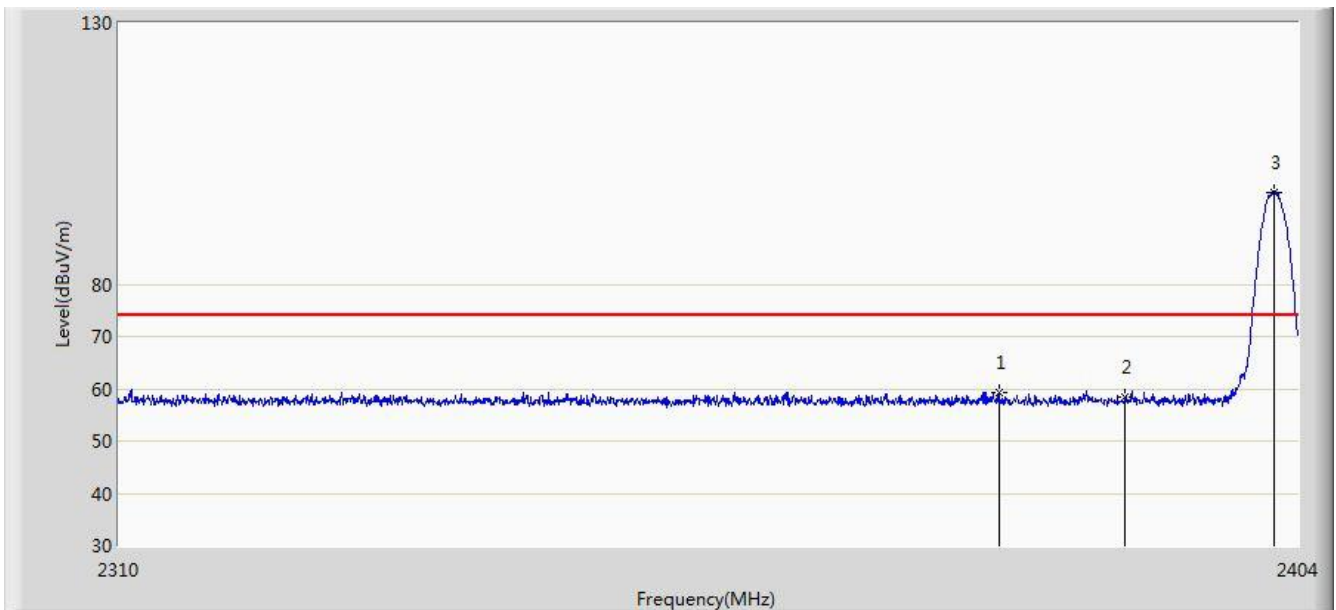


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.158	13.955	-8.842	54.000	31.203	AV
2		*	2402.026	84.779	53.595	30.779	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	

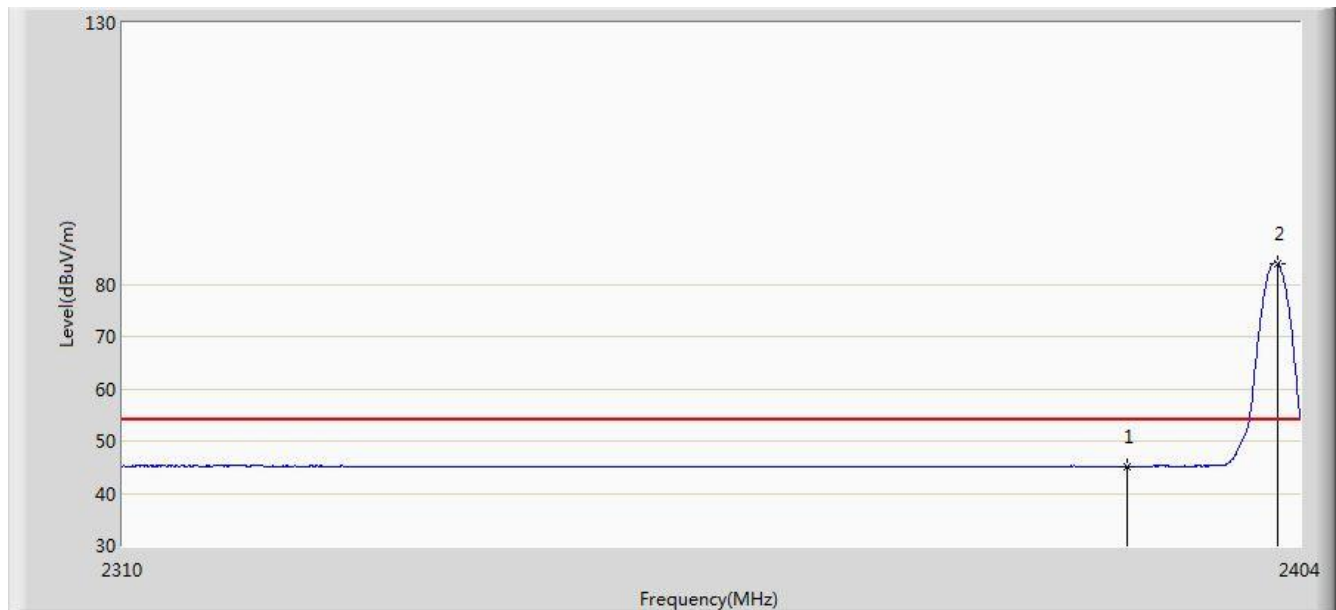


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.795	59.349	28.128	-14.651	74.000	31.221	PK
2			2390.000	58.410	27.207	-15.590	74.000	31.203	PK
3		*	2402.026	97.648	66.464	23.648	74.000	31.184	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	

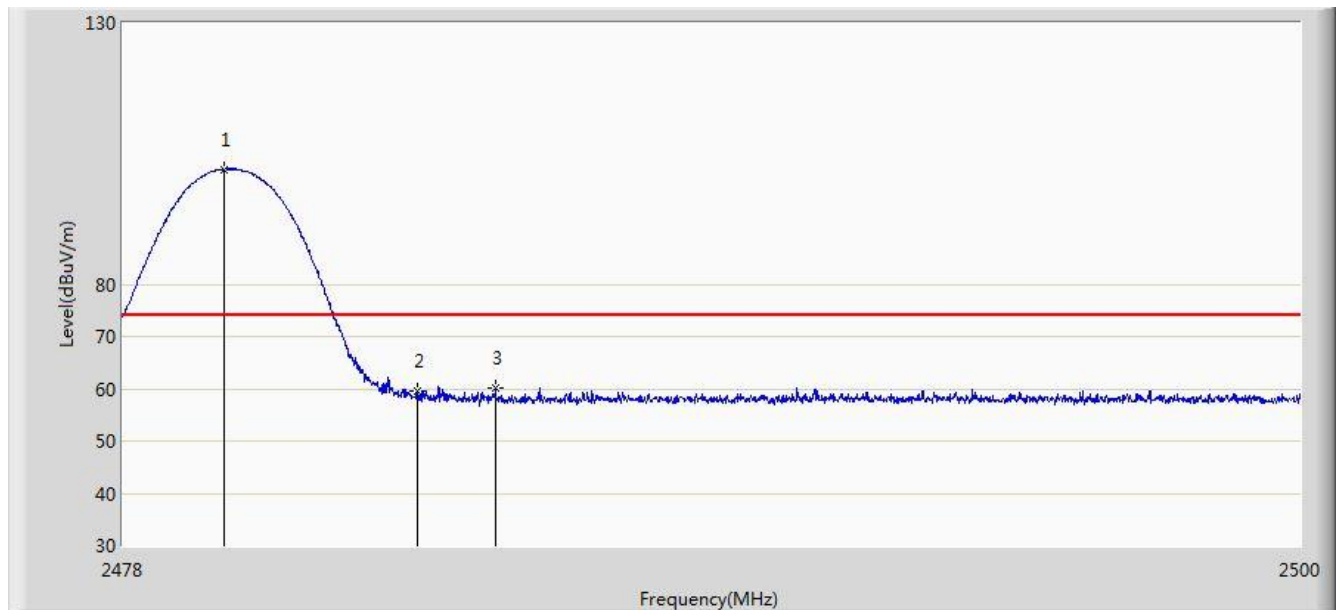


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.154	13.951	-8.846	54.000	31.203	AV
2		*	2402.167	84.039	52.855	30.039	54.000	31.184	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2480MHz	

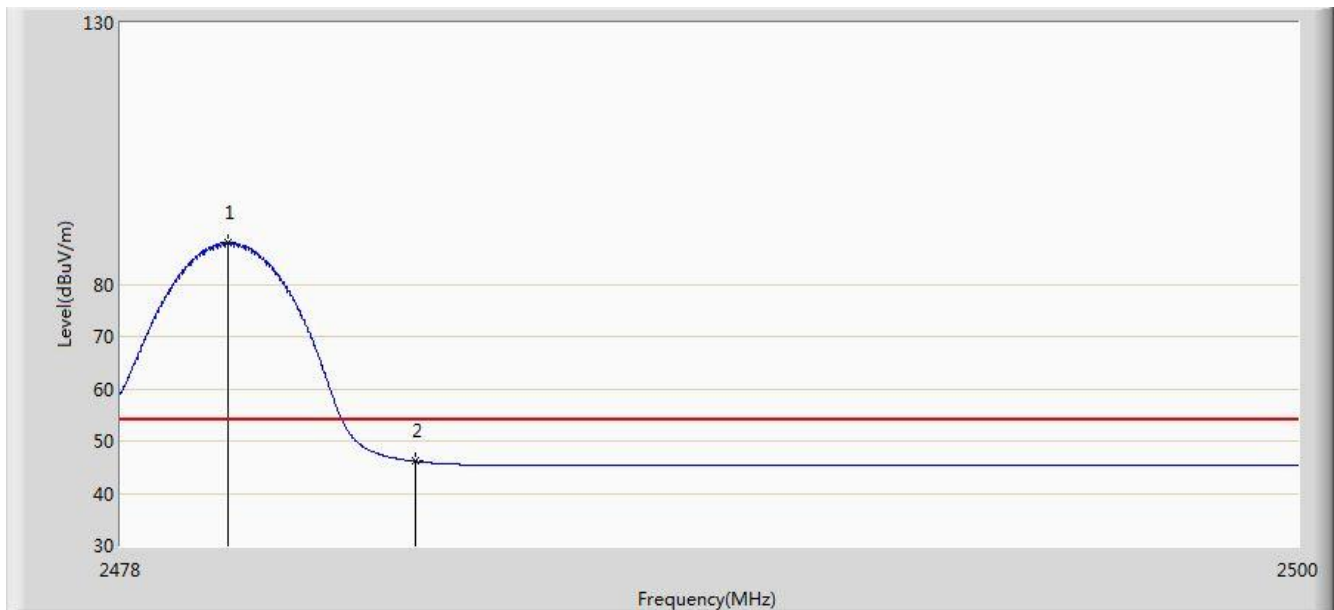


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.892	102.027	70.843	28.027	74.000	31.184	PK
2			2483.500	59.658	28.465	-14.342	74.000	31.194	PK
3			2484.952	60.142	28.945	-13.858	74.000	31.197	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2480MHz	

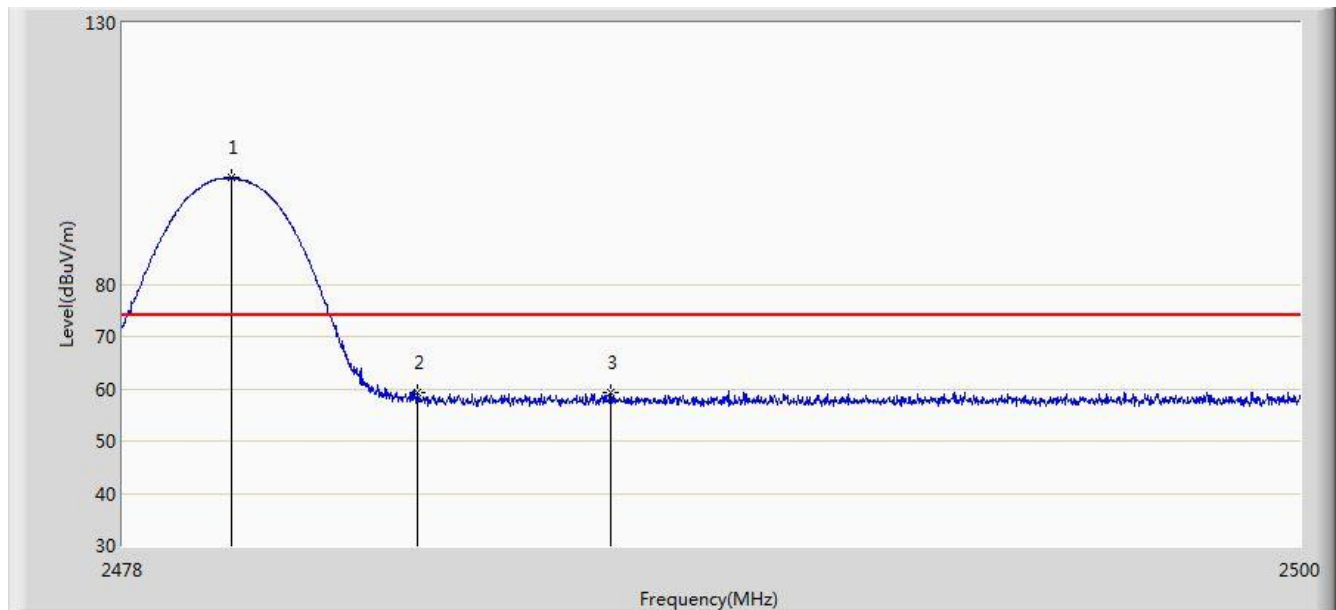


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.991	87.926	56.742	33.926	54.000	31.184	AV
2			2483.500	46.113	14.920	-7.887	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/08/08 - 23:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2480MHz	

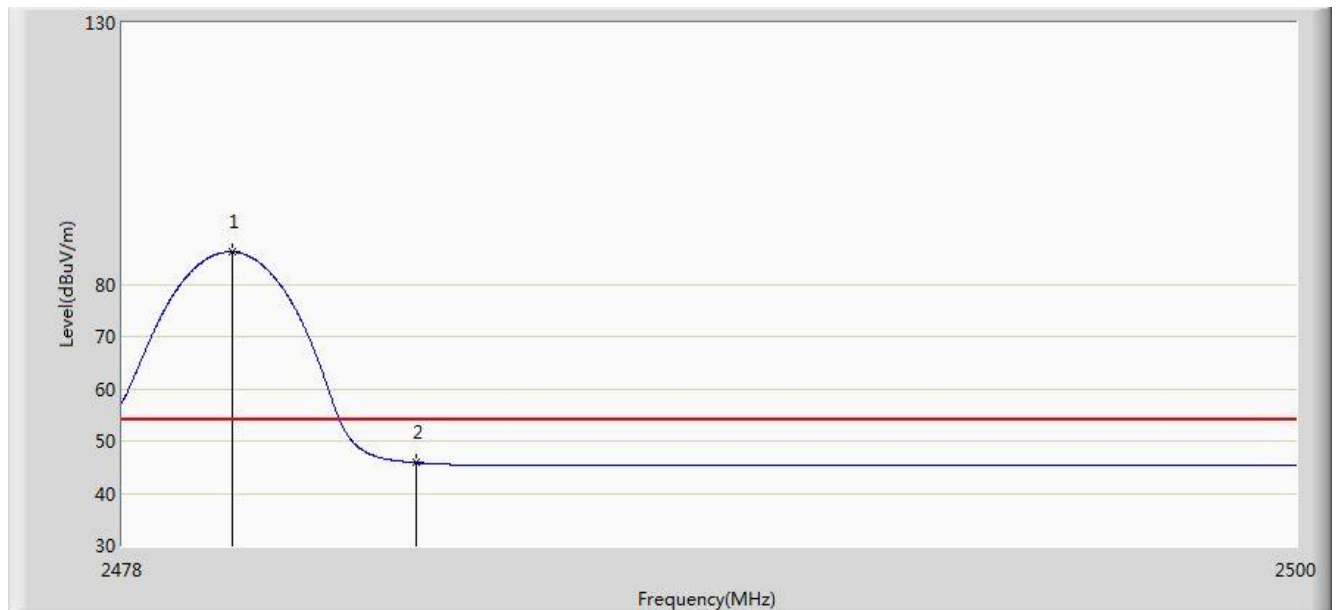


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.035	100.301	69.117	26.301	74.000	31.184	PK
2			2483.500	59.140	27.947	-14.860	74.000	31.194	PK
3			2487.097	59.400	28.197	-14.600	74.000	31.203	PK

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

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

Site: AC1	Time: 2017/08/08 - 23:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bacon Dong
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.068	86.173	54.989	32.173	54.000	31.184	AV
2			2483.500	45.829	14.636	-8.171	54.000	31.194	AV

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

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

7.11. AC Conducted Emissions Measurement

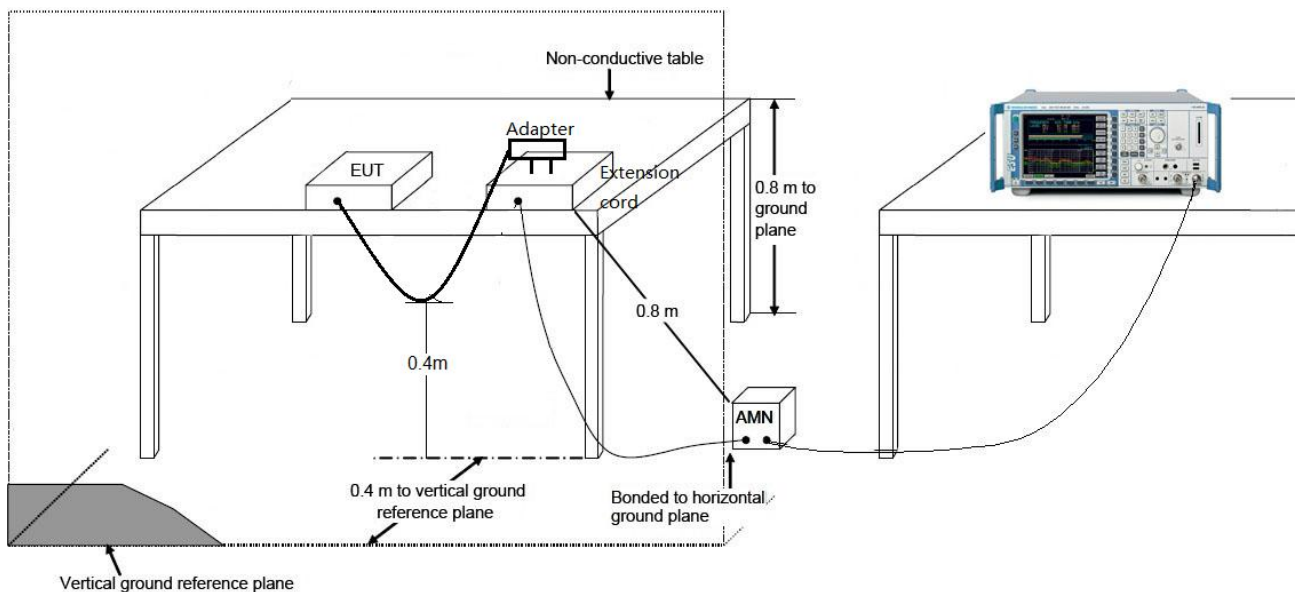
7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ V)
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.

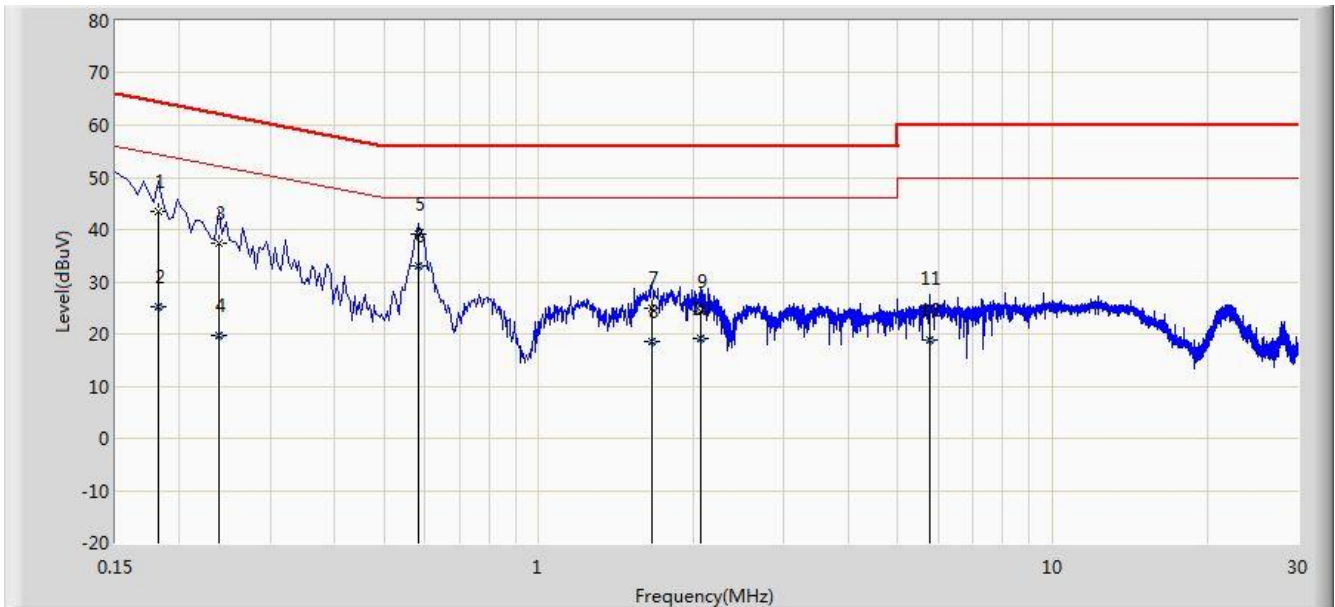
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup



7.11.3. Test Result

Site: SR2	Time: 2017/08/19 - 18:22
Limit: FCC_Part15.107_CE_AC Power_ClassB	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Worst Case Mode: Transmit by DH5 at channel 2402MHz	

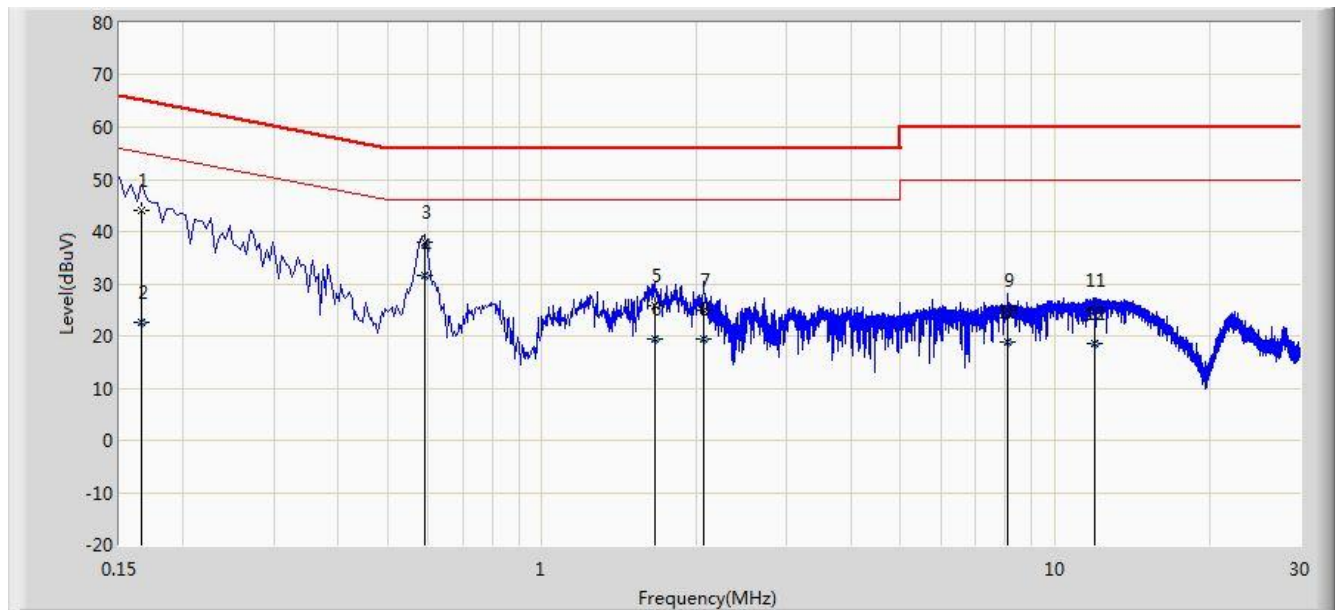


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.182	43.587	33.539	-20.807	64.394	10.048	QP
2			0.182	25.288	15.240	-29.106	54.394	10.048	AV
3			0.238	37.436	27.482	-24.730	62.166	9.954	QP
4			0.238	19.849	9.895	-32.316	52.166	9.954	AV
5			0.582	39.222	29.098	-16.778	56.000	10.124	QP
6		*	0.582	33.072	22.948	-12.928	46.000	10.124	AV
7			1.658	24.929	15.046	-31.071	56.000	9.883	QP
8			1.658	18.406	8.523	-27.594	46.000	9.883	AV
9			2.070	24.270	14.401	-31.730	56.000	9.869	QP
10			2.070	19.037	9.168	-26.963	46.000	9.869	AV
11			5.758	24.925	14.825	-35.075	60.000	10.100	QP
12			5.758	18.946	8.846	-31.054	50.000	10.100	AV

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

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

Site: SR2	Time: 2017/08/19 - 18:29
Limit: FCC_Part15.107_CE_AC Power_ClassB	Engineer: Bacon Dong
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Wireless speaker ENEBY 30-E30	Power: AC 120V/60Hz
Worst Case Mode: Transmit by DH5 at channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.166	44.165	34.093	-20.994	65.158	10.071	QP
2			0.166	22.564	12.493	-32.594	55.158	10.071	AV
3			0.590	38.018	27.881	-17.982	56.000	10.137	QP
4		*	0.590	31.661	21.524	-14.339	46.000	10.137	AV
5			1.658	25.778	15.893	-30.222	56.000	9.885	QP
6			1.658	19.350	9.465	-26.650	46.000	9.885	AV
7			2.070	24.896	15.024	-31.104	56.000	9.872	QP
8			2.070	19.278	9.406	-26.722	46.000	9.872	AV
9			8.062	25.033	14.844	-34.967	60.000	10.188	QP
10			8.062	18.929	8.740	-31.071	50.000	10.188	AV
11			11.986	24.829	14.716	-35.171	60.000	10.113	QP
12			11.986	18.445	8.332	-31.555	50.000	10.113	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 **Wireless speaker ENEBY 30** is in compliance with Part 15C of the FCC Rules and IC Rules.

The End