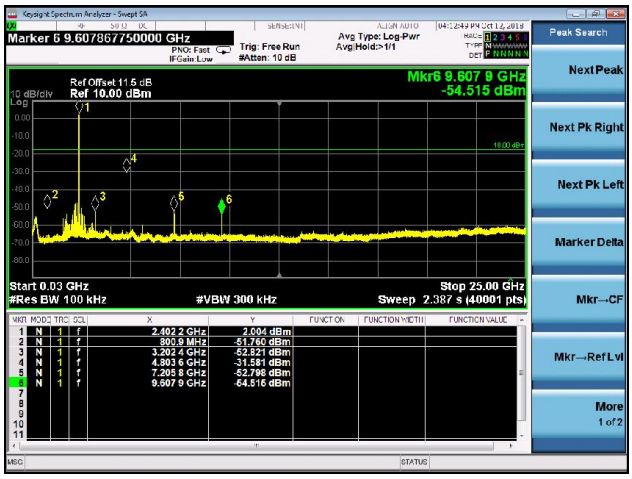
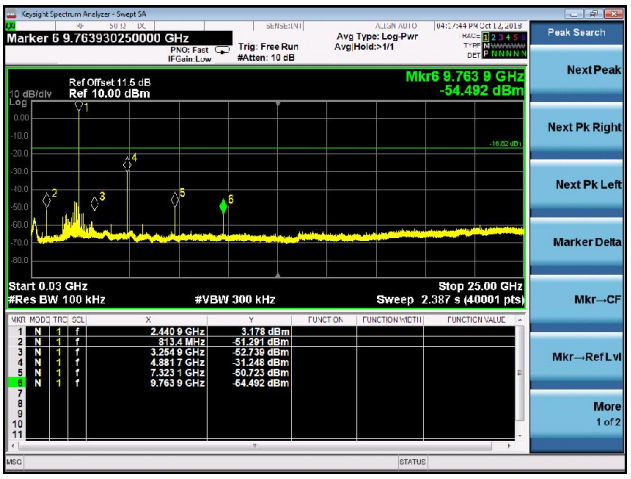
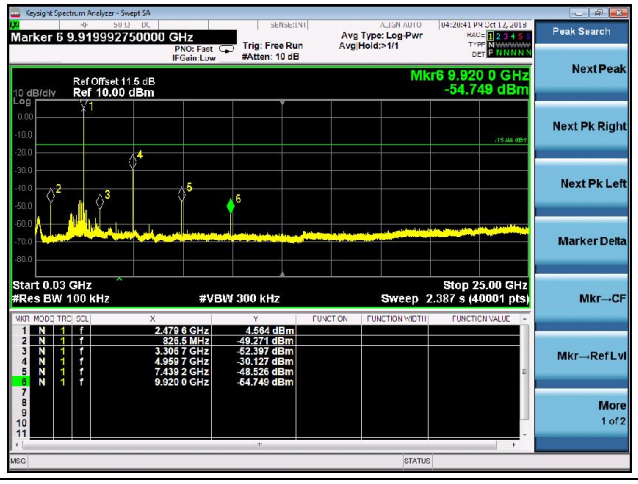
7.8.5.Test Result

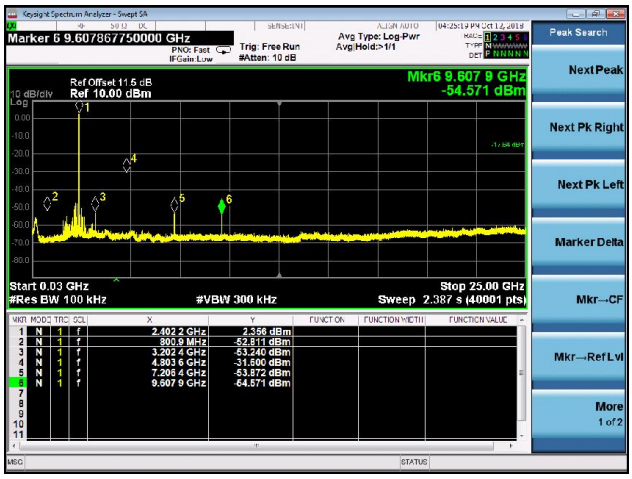
Product	FREKVENS Portable	Temperature	25°C
Test Engineer	Hunk Li	Relative Humidity	52%
Test Site	TR3	Test Date	2018/10/12

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

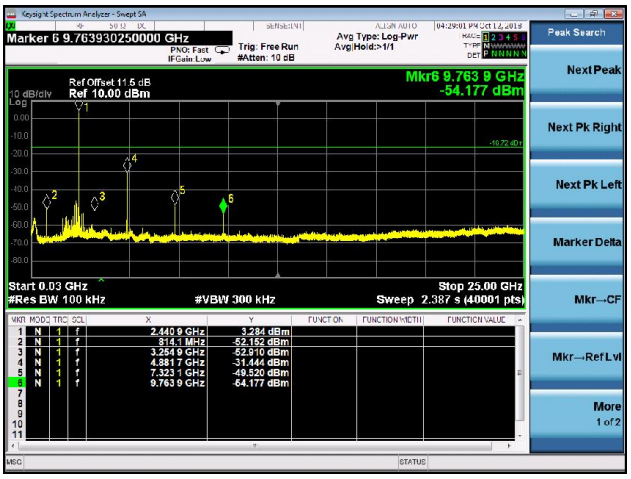
DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	**Channel 39 (2441MHz)**
	
Channel 78 (2480MHz)	**--**
	--

2DH5 Conducted Spurious Emissions

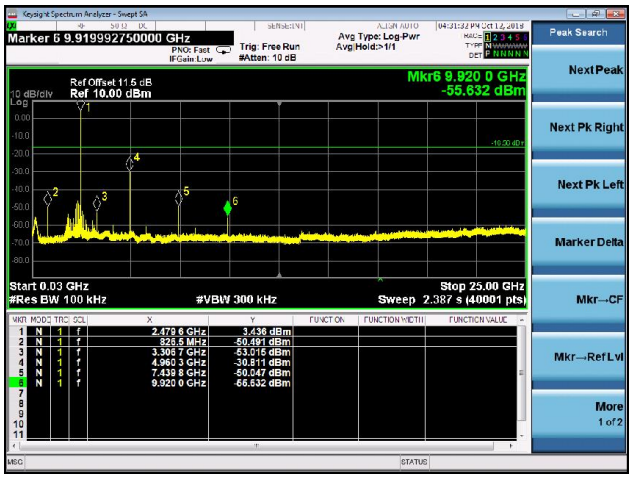
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



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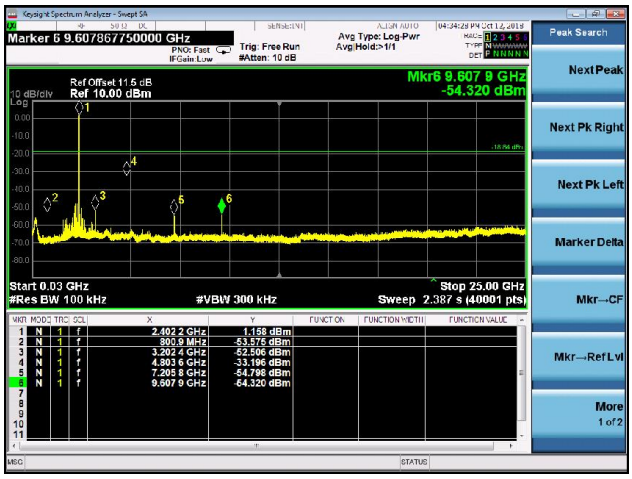
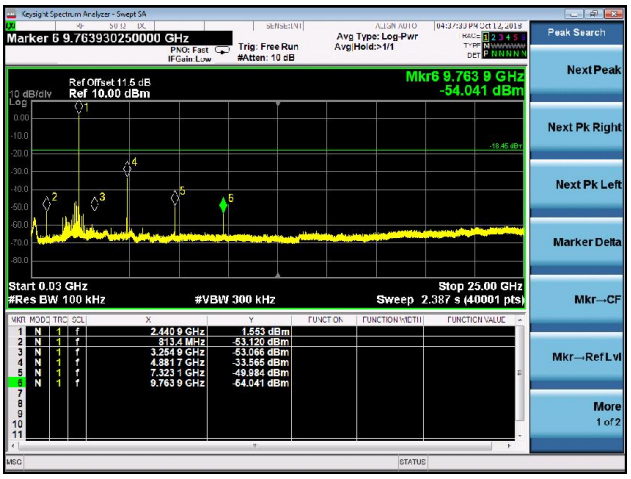
3DH5 Conducted Spurious Emissions	
Channel 00 (2402MHz)	**Channel 39 (2441MHz)**
	
Channel 78 (2480MHz)	**--**
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7.9. Radiated Spurious Emission Measurement

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 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

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

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

Peak Measurements above 1GHz

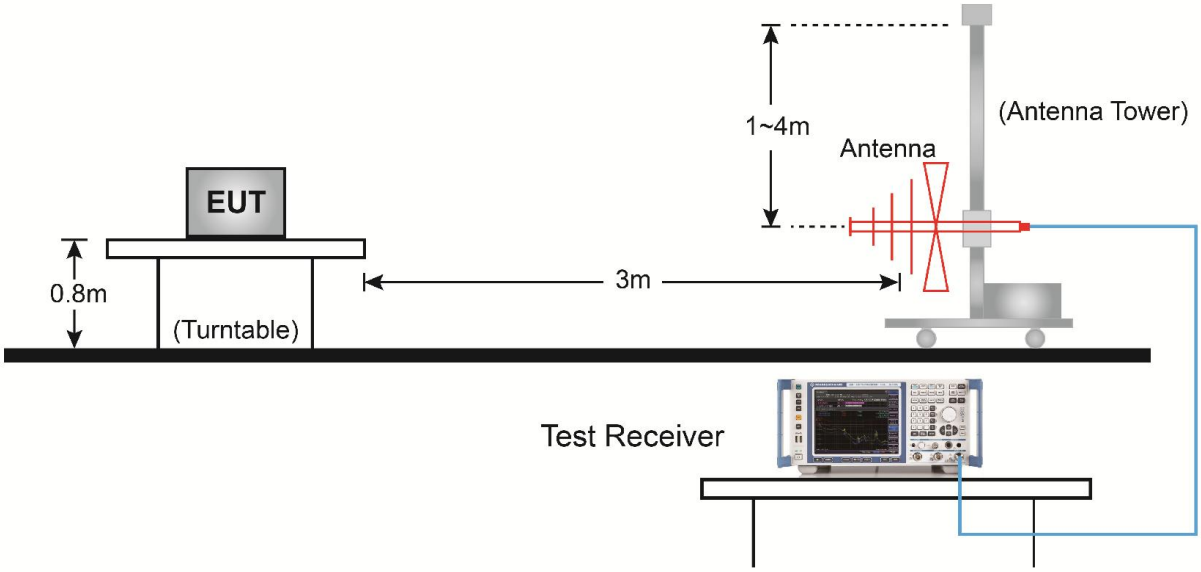
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

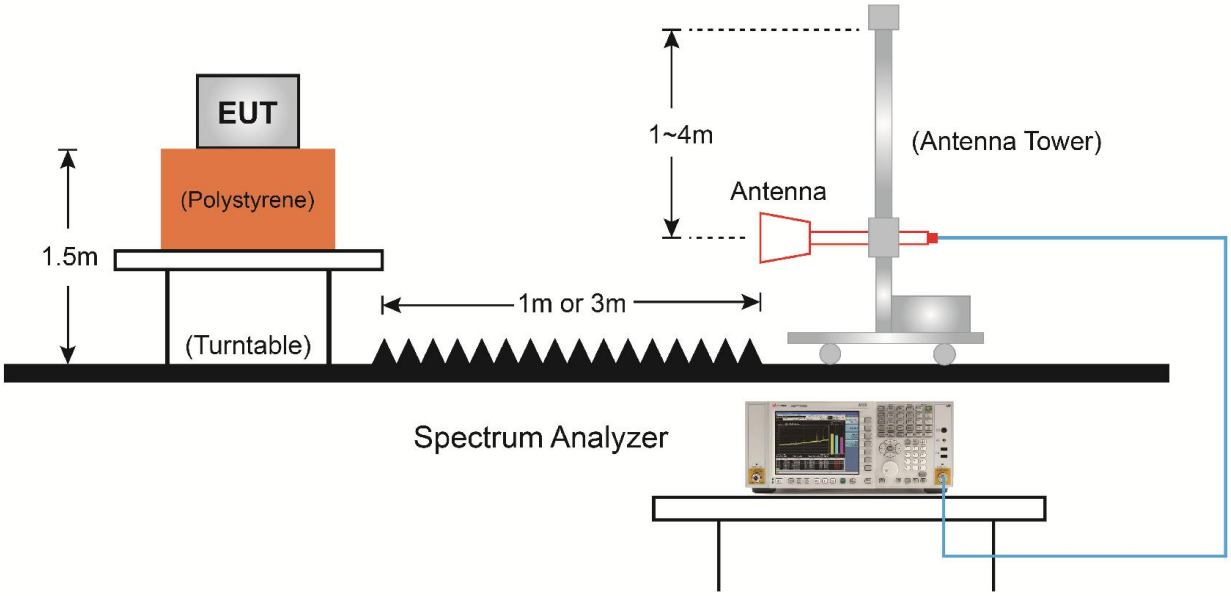
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. Detector = 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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	3881.5	36.8	3.0	39.8	74.0	-34.2	Peak	Horizontal
	4867.5	34.6	6.0	40.6	74.0	-33.4	Peak	Horizontal
*	5828.0	35.1	7.7	42.8	78.9	-36.1	Peak	Horizontal
*	6576.0	35.5	10.2	45.7	78.9	-33.2	Peak	Horizontal
	4085.5	35.8	3.5	39.3	74.0	-34.7	Peak	Vertical
	4927.0	35.4	6.1	41.5	74.0	-32.5	Peak	Vertical
*	5802.5	33.9	7.6	41.5	78.9	-37.4	Peak	Vertical
*	6550.5	34.2	10.2	44.4	78.9	-34.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (98.9dBμV/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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	3983.5	36.4	3.2	39.6	74.0	-34.4	Peak	Horizontal
	4714.5	35.7	5.5	41.2	74.0	-32.8	Peak	Horizontal
*	5768.5	35.7	7.4	43.1	80.1	-37.0	Peak	Horizontal
*	6686.5	33.9	10.1	44.0	80.1	-36.1	Peak	Horizontal
	4009.0	35.7	3.4	39.1	74.0	-34.9	Peak	Vertical
	4850.5	34.6	5.9	40.5	74.0	-33.5	Peak	Vertical
*	6023.5	34.7	7.9	42.6	80.1	-37.5	Peak	Vertical
*	6584.5	34.3	10.2	44.5	80.1	-35.6	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)

Product	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	3975.0	36.0	3.1	39.1	74.0	-34.9	Peak	Horizontal
	4799.5	34.7	5.8	40.5	74.0	-33.5	Peak	Horizontal
*	5981.0	35.2	7.9	43.1	81.5	-38.4	Peak	Horizontal
*	6576.0	33.8	10.2	44.0	81.5	-37.5	Peak	Horizontal
	4102.5	36.0	3.6	39.6	74.0	-34.4	Peak	Vertical
	4604.0	36.5	5.1	41.6	74.0	-32.4	Peak	Vertical
*	5972.5	34.5	7.9	42.4	81.5	-39.1	Peak	Vertical
*	6882.0	33.8	10.6	44.4	81.5	-37.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.5dBμV/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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	4179.0	35.8	3.9	39.7	74.0	-34.3	Peak	Horizontal
	5029.0	35.5	6.4	41.9	74.0	-32.1	Peak	Horizontal
*	6363.5	34.2	9.1	43.3	82.7	-39.4	Peak	Horizontal
*	7120.0	34.7	12.2	46.9	82.7	-35.8	Peak	Horizontal
	4128.0	36.0	3.8	39.8	74.0	-34.2	Peak	Vertical
	5020.5	35.2	6.4	41.6	74.0	-32.4	Peak	Vertical
*	6006.5	34.9	7.9	42.8	82.7	-39.9	Peak	Vertical
*	6601.5	34.8	10.2	45.0	82.7	-37.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.7dBμV/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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	4043.0	36.1	3.5	39.6	74.0	-34.4	Peak	Horizontal
	4935.5	35.2	6.1	41.3	74.0	-32.7	Peak	Horizontal
*	5862.0	33.9	7.8	41.7	83.9	-42.2	Peak	Horizontal
*	6550.5	34.2	10.2	44.4	83.9	-39.5	Peak	Horizontal
	4068.5	36.5	3.5	40.0	74.0	-34.0	Peak	Vertical
	5003.5	35.3	6.3	41.6	74.0	-32.4	Peak	Vertical
*	6032.0	34.2	7.9	42.1	83.9	-41.8	Peak	Vertical
*	7052.0	34.2	11.8	46.0	83.9	-37.9	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)

Product	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	3907.0	36.5	3.1	39.6	74.0	-34.4	Peak	Horizontal
	4697.5	34.7	5.5	40.2	74.0	-33.8	Peak	Horizontal
*	5879.0	34.6	7.8	42.4	85.4	-43.0	Peak	Horizontal
*	6576.0	34.2	10.2	44.4	85.4	-41.0	Peak	Horizontal
	4060.0	36.8	3.5	40.3	74.0	-33.7	Peak	Vertical
	4910.0	34.7	6.1	40.8	74.0	-33.2	Peak	Vertical
*	5887.5	34.4	7.8	42.2	85.4	-43.2	Peak	Vertical
*	6508.0	34.3	9.9	44.2	85.4	-41.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.4dBμV/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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	4136.5	36.0	3.8	39.8	74.0	-34.2	Peak	Horizontal
	4927.0	35.5	6.1	41.6	74.0	-32.4	Peak	Horizontal
*	5853.5	34.7	7.8	42.5	82.9	-40.4	Peak	Horizontal
*	6542.0	33.9	10.1	44.0	82.9	-38.9	Peak	Horizontal
	3805.0	36.1	2.8	38.9	74.0	-35.1	Peak	Vertical
	4901.5	34.8	6.0	40.8	74.0	-33.2	Peak	Vertical
*	5972.5	34.1	7.9	42.0	82.9	-40.9	Peak	Vertical
*	7120.0	33.9	12.2	46.1	82.9	-36.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.9dBμV/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	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	3958.0	35.9	3.1	39.0	74.0	-35.0	Peak	Horizontal
	4757.0	34.3	5.7	40.0	74.0	-34.0	Peak	Horizontal
*	5785.5	32.6	7.5	40.1	84.3	-44.2	Peak	Horizontal
*	6457.0	33.5	9.8	43.3	84.3	-41.0	Peak	Horizontal
	4230.0	34.7	4.1	38.8	74.0	-35.2	Peak	Vertical
	4859.0	35.3	5.9	41.2	74.0	-32.8	Peak	Vertical
*	5709.0	34.6	7.2	41.8	84.3	-42.5	Peak	Vertical
*	6550.5	33.2	10.2	43.4	84.3	-40.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.3dBμV/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)

Product	FREKVENS Portable	Temperature	25°C
Test Engineer	Dandy Li	Relative Humidity	56%
Test Site	AC1	Test Date	2018/10/17
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
	4136.5	35.9	3.8	39.7	74.0	-34.3	Peak	Horizontal
	4833.5	36.0	5.9	41.9	74.0	-32.1	Peak	Horizontal
*	5836.5	33.7	7.7	41.4	86.0	-44.6	Peak	Horizontal
*	7103.0	33.9	12.1	46.0	86.0	-40.0	Peak	Horizontal
	3745.5	36.9	2.4	39.3	74.0	-34.7	Peak	Vertical
	4842.0	35.0	5.9	40.9	74.0	-33.1	Peak	Vertical
*	6049.0	34.2	7.9	42.1	86.0	-43.9	Peak	Vertical
*	7035.0	34.8	11.6	46.4	86.0	-39.6	Peak	Vertical

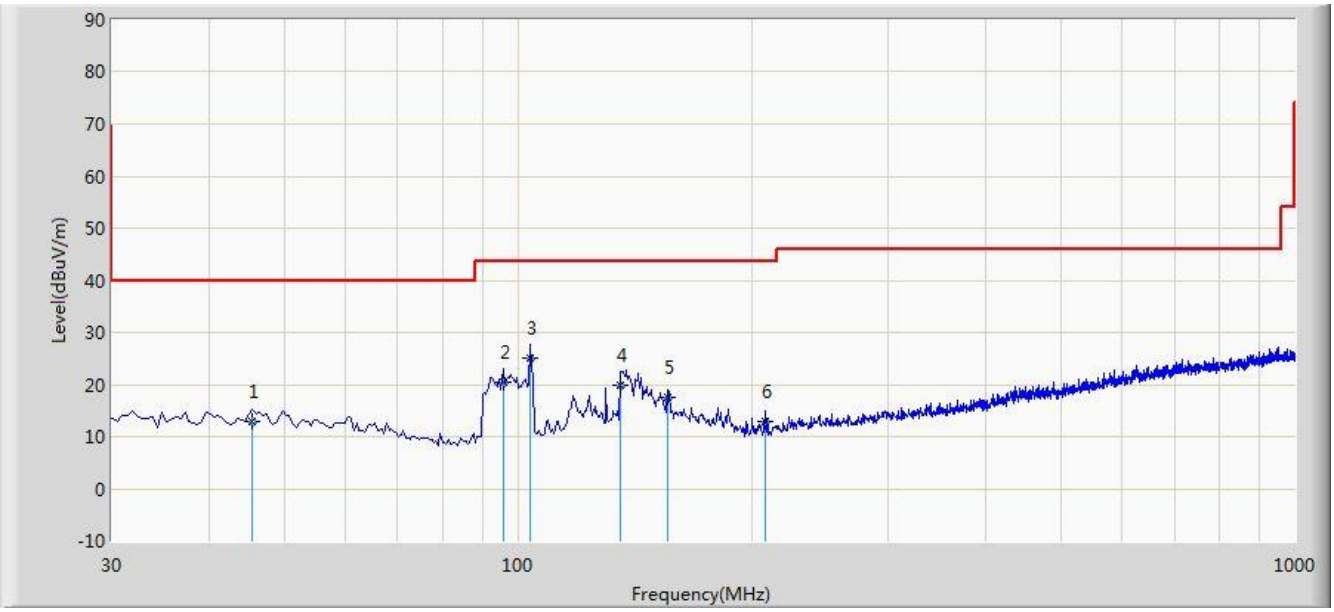
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106dBμV/m) or 15.209 which is higher.

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: 2018/10/18 - 09:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Messiah Li
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Worst case	



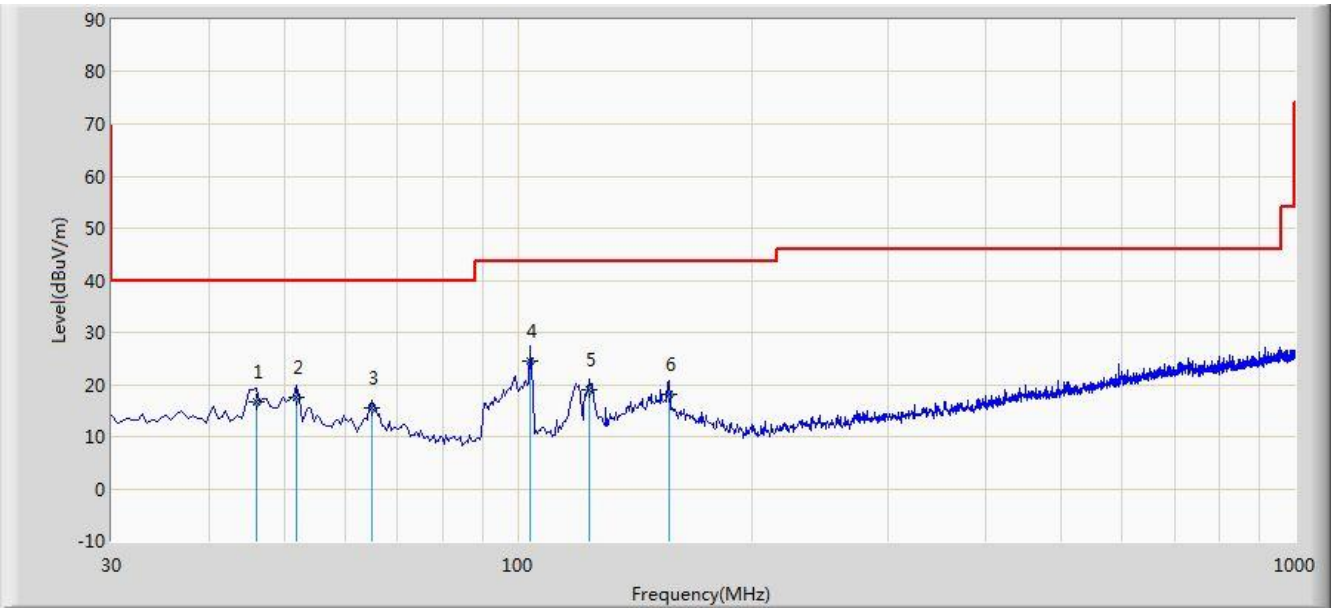
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			45.520	12.970	-1.305	-27.030	40.000	14.274	QP
2			95.960	20.491	9.729	-23.009	43.500	10.762	QP
3		*	103.720	25.076	13.628	-18.424	43.500	11.448	QP
4			135.730	19.904	5.634	-23.596	43.500	14.270	QP
5			155.615	17.401	2.103	-26.099	43.500	15.298	QP
6			207.995	13.038	1.672	-30.462	43.500	11.365	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: 2018/10/18 - 09:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Messiah Li
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Worst case	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			46.005	16.796	2.537	-23.204	40.000	14.259	QP
2			51.825	17.470	3.407	-22.530	40.000	14.064	QP
3			64.920	15.410	2.867	-24.590	40.000	12.544	QP
4		*	103.720	24.382	12.934	-19.118	43.500	11.448	QP
5			123.605	18.868	5.413	-24.632	43.500	13.455	QP
6			156.585	18.112	2.816	-25.388	43.500	15.296	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

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 - 156.525	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 47CFR 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

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 -150.5	9.0 - 9.2
0.495 -0.505	156.52475 - 156.525225	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	--
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	334.5 - 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]	Magnetic field strength (H-Field) [uA/m]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	6.37/F(F in kHz)	N/A	300
0.490 - 1.705	63.7/F(F in kHz)	N/A	30
1.705 - 30	0.08	N/A	30
30 - 88	N/A	100	3
88 - 216	N/A	150	3
216 - 960	N/A	200	3
Above 960	N/A	500	3

7.10.1.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.10.2.Test Setting

Peak Field Strength Measurements

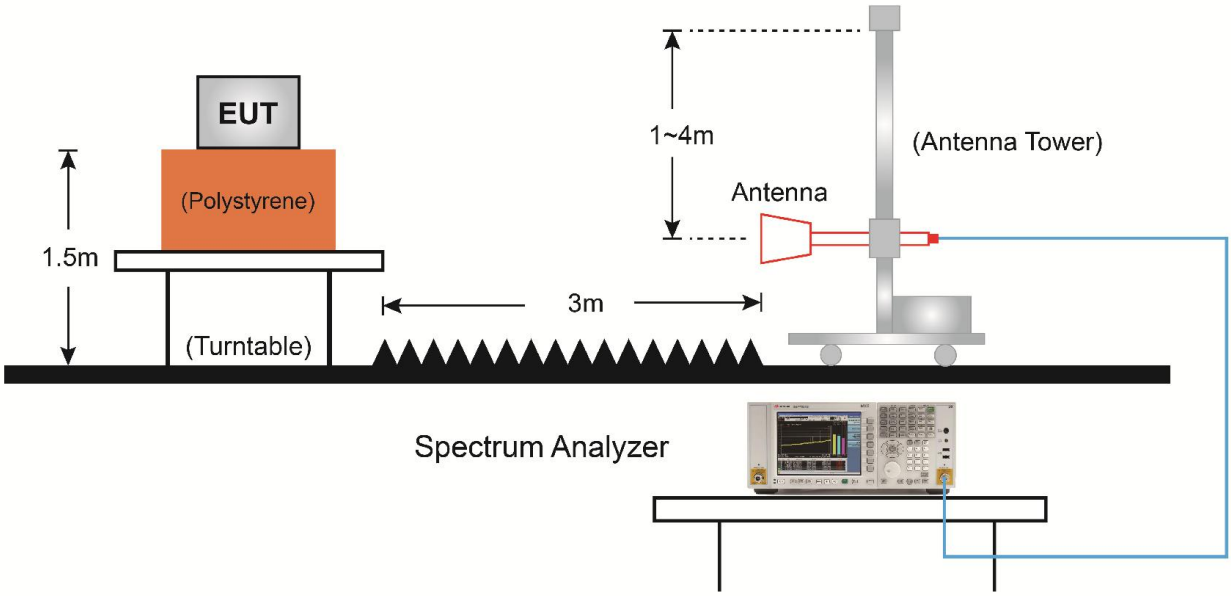
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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 = 10 Hz.

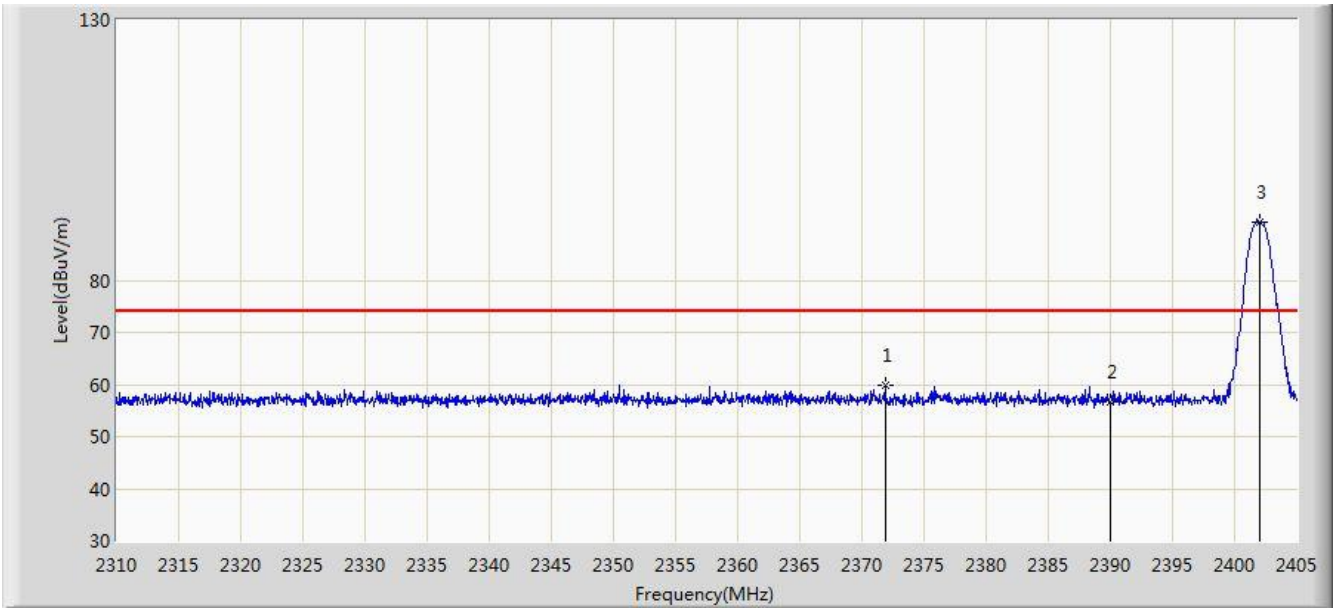
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.10.3.Test Setup



7.10.4.Test Result

Site: AC1	Time: 2018/10/17 - 02:38
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2402MHz	

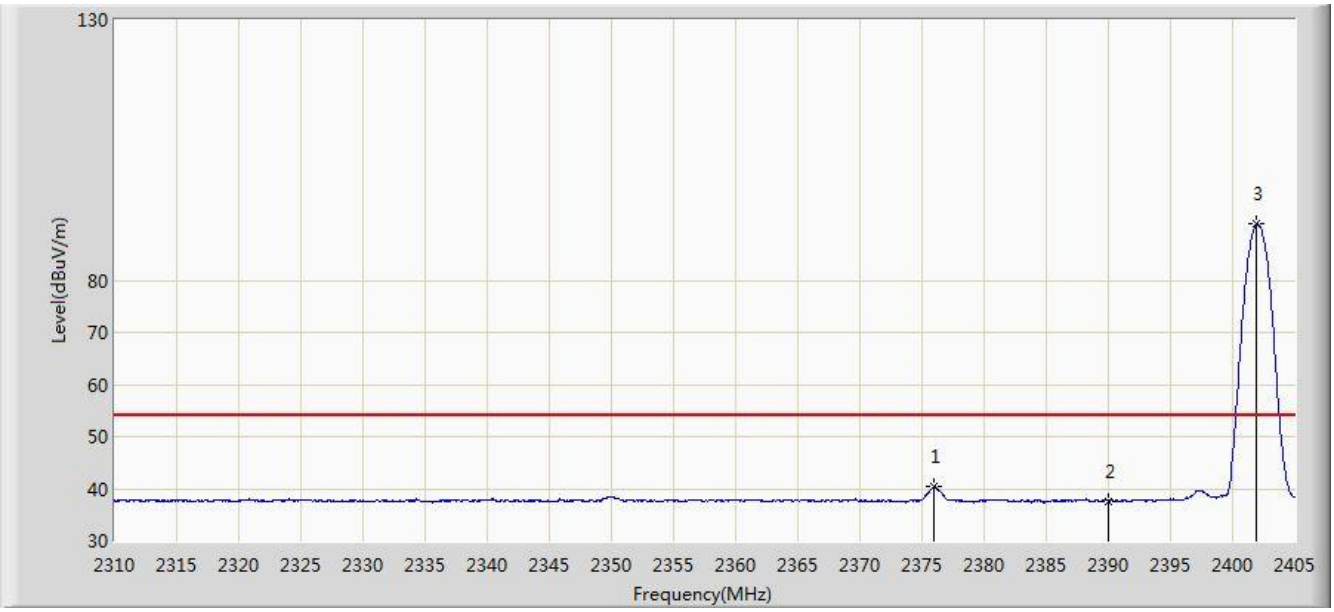


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2371.893	59.721	27.367	-14.279	74.000	32.354	PK
2			2390.000	56.714	24.387	-17.286	74.000	32.327	PK
3		*	2402.055	91.285	58.981	N/A	N/A	32.304	PK

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

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

Site: AC1	Time: 2018/10/17 - 02:40
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2402MHz	

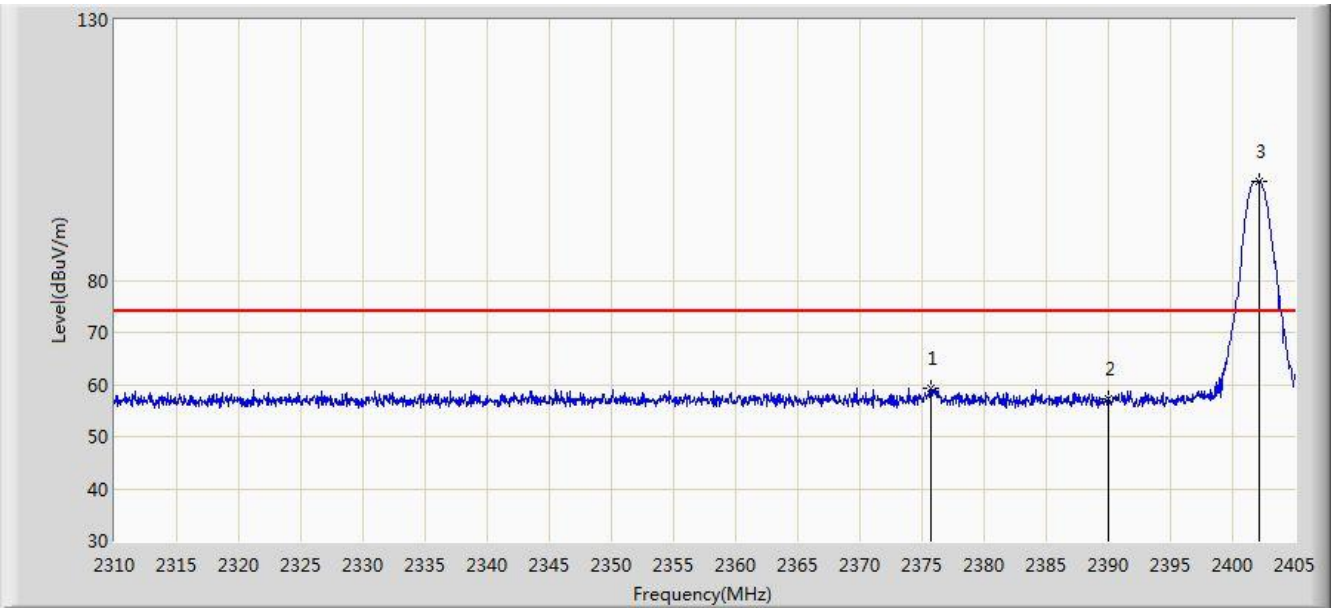


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.930	40.368	8.021	-13.632	54.000	32.346	AV
2			2390.000	37.649	5.322	-16.351	54.000	32.327	AV
3		*	2401.960	90.725	58.420	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 02:42
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2402MHz	

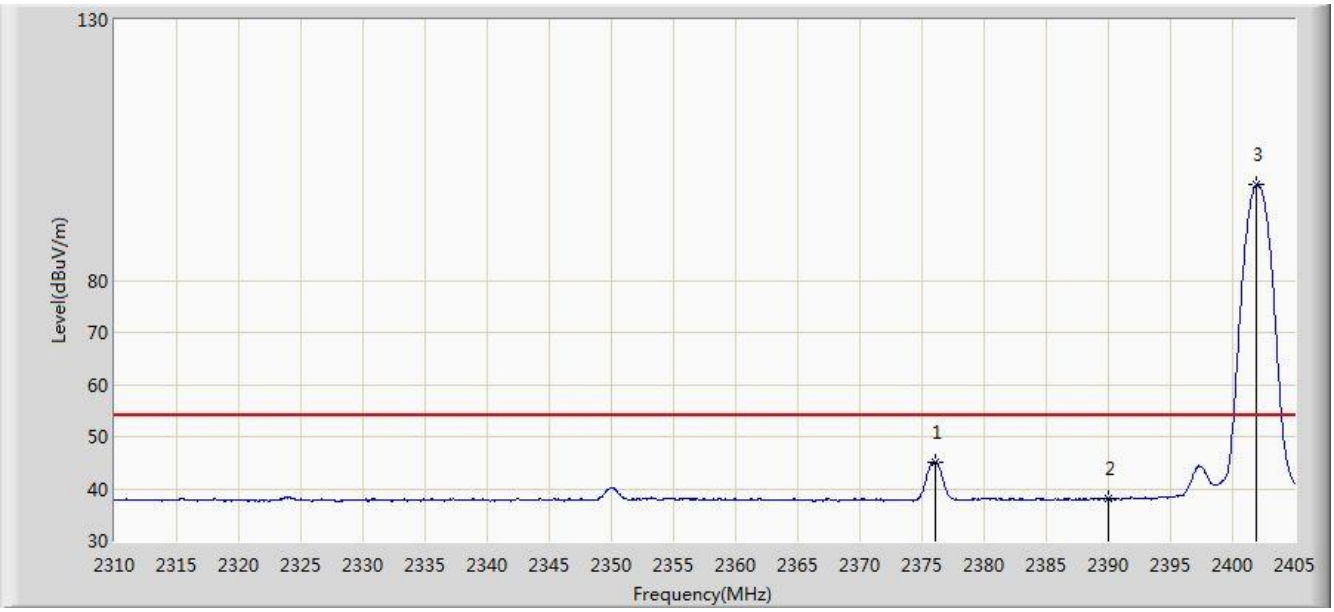


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.740	59.154	26.807	-14.846	74.000	32.347	PK
2			2390.000	57.304	24.977	-16.696	74.000	32.327	PK
3		*	2402.150	98.933	66.629	N/A	N/A	32.304	PK

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

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

Site: AC1	Time: 2018/10/17 - 02:43
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2402MHz	

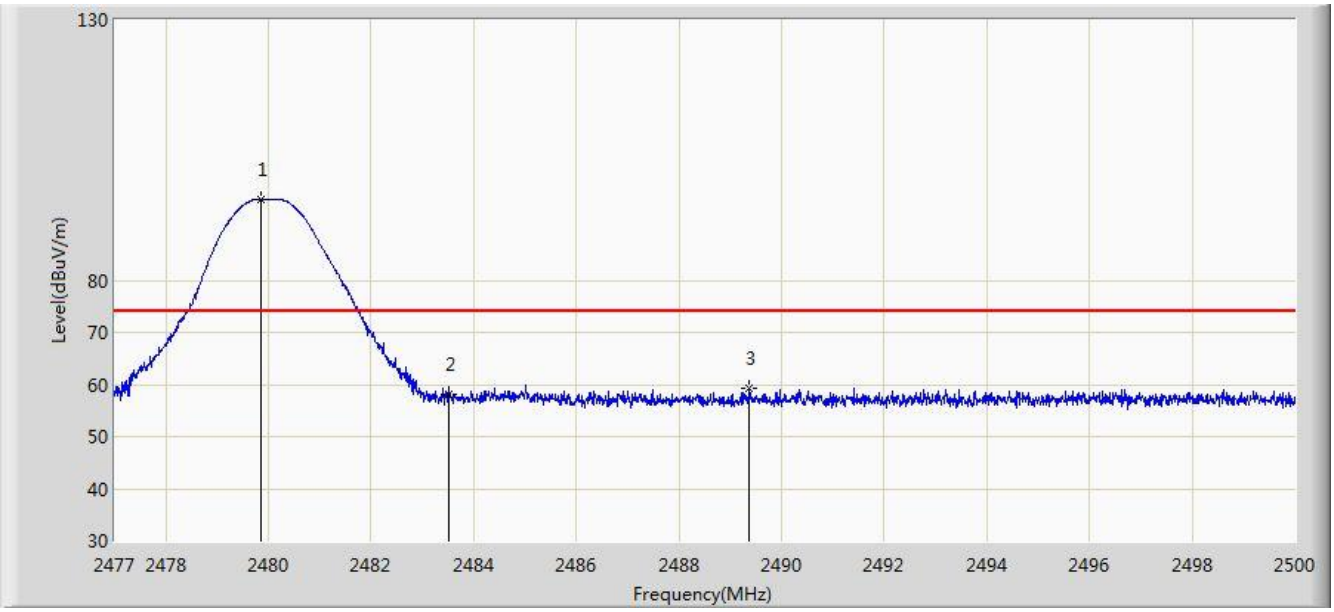


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2376.120	45.054	12.708	-8.946	54.000	32.346	AV
2			2390.000	38.089	5.762	-15.911	54.000	32.327	AV
3		*	2401.960	98.387	66.082	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 02:45
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2480MHz	

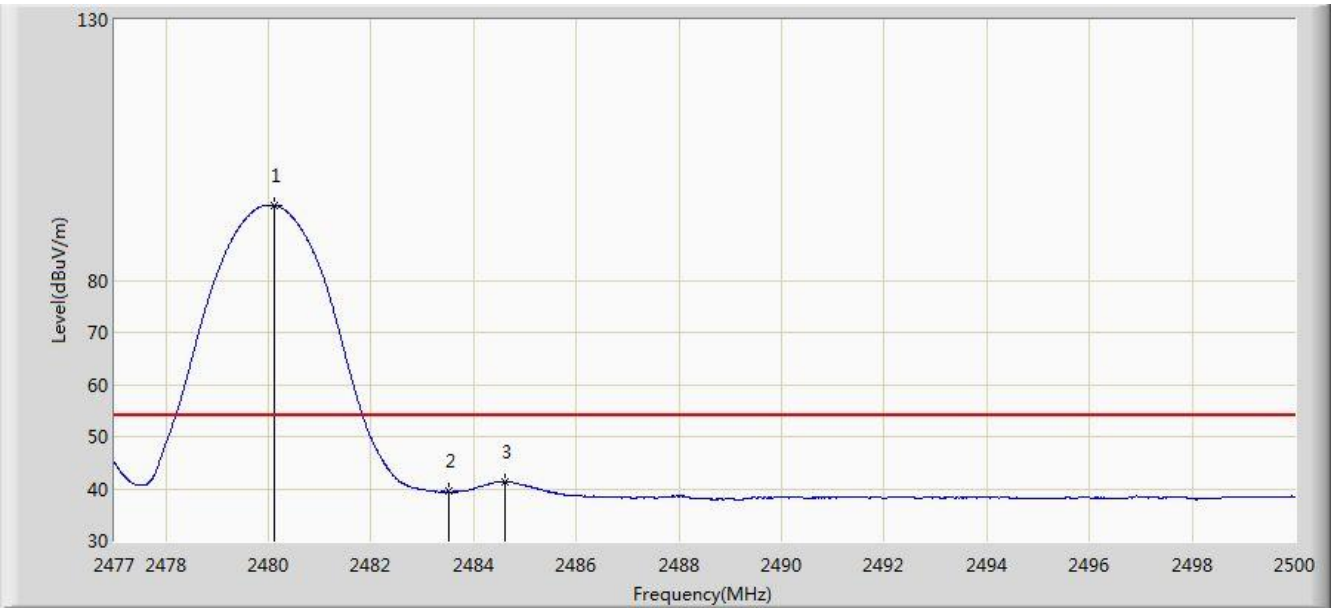


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.864	95.626	63.301	N/A	N/A	32.325	PK
2			2483.500	58.163	25.824	-15.837	74.000	32.340	PK
3			2489.374	59.351	26.989	-14.649	74.000	32.362	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:04
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2480MHz	

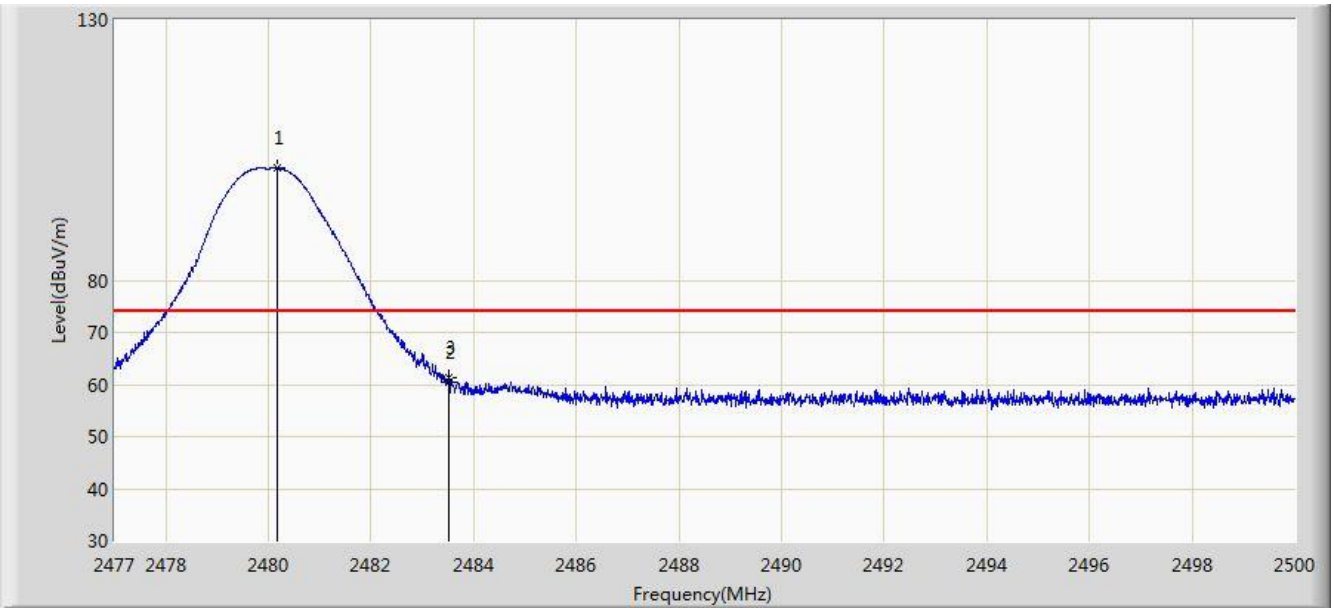


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.105	94.399	62.073	N/A	N/A	32.325	AV
2			2483.500	39.444	7.105	-14.556	54.000	32.340	AV
3			2484.602	41.346	9.003	-12.654	54.000	32.344	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:05
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2480MHz	

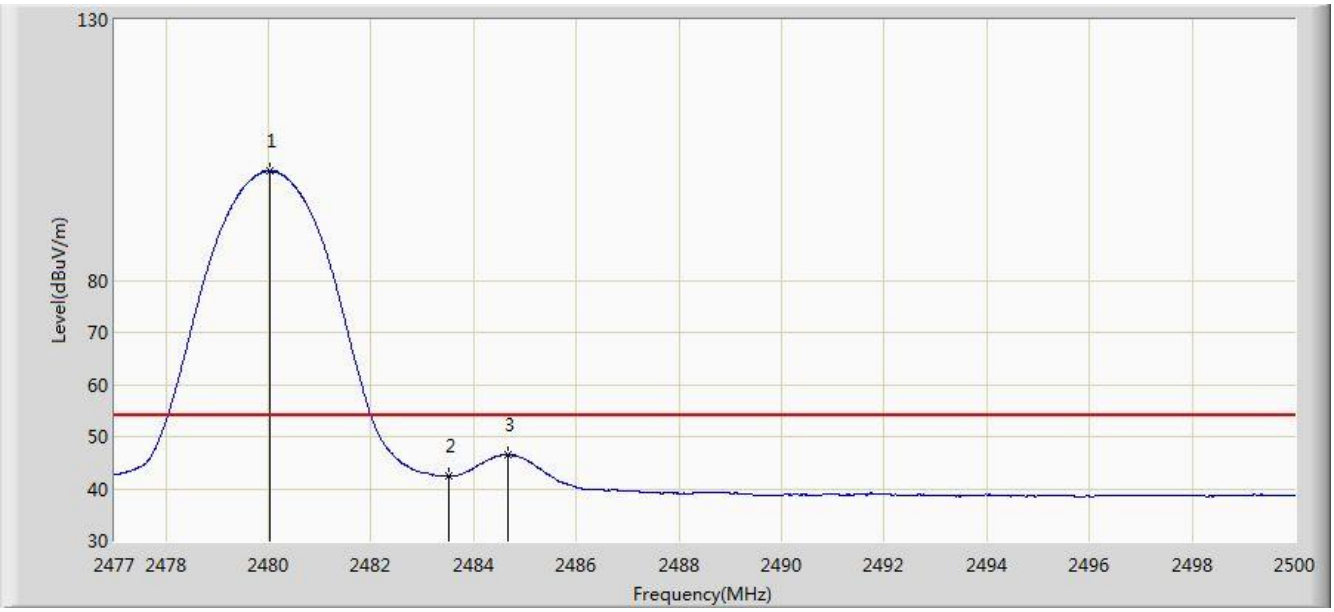


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.174	101.523	69.197	N/A	N/A	32.326	PK
2			2483.500	60.313	27.974	-13.687	74.000	32.340	PK
3			2483.521	61.290	28.951	-12.710	74.000	32.340	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:07
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by DH5 at channel 2480MHz	

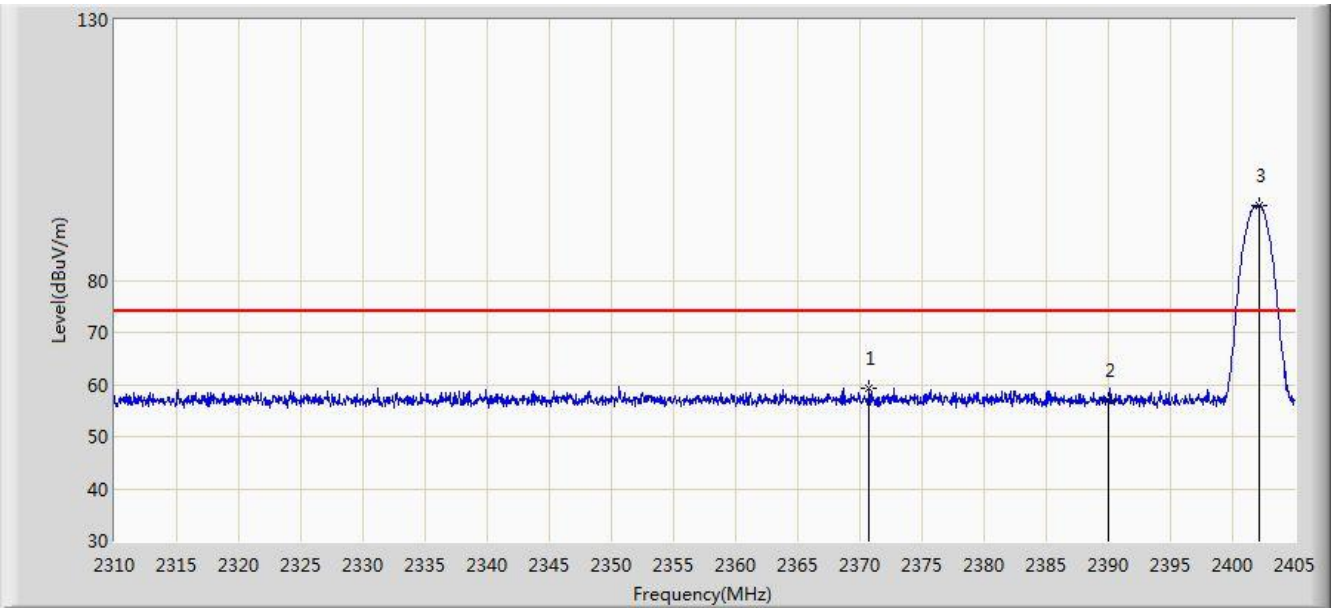


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	100.920	68.595	N/A	N/A	32.325	AV
2			2483.500	42.379	10.040	-11.621	54.000	32.340	AV
3			2484.670	46.459	14.115	-7.541	54.000	32.344	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:08
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2402MHz	

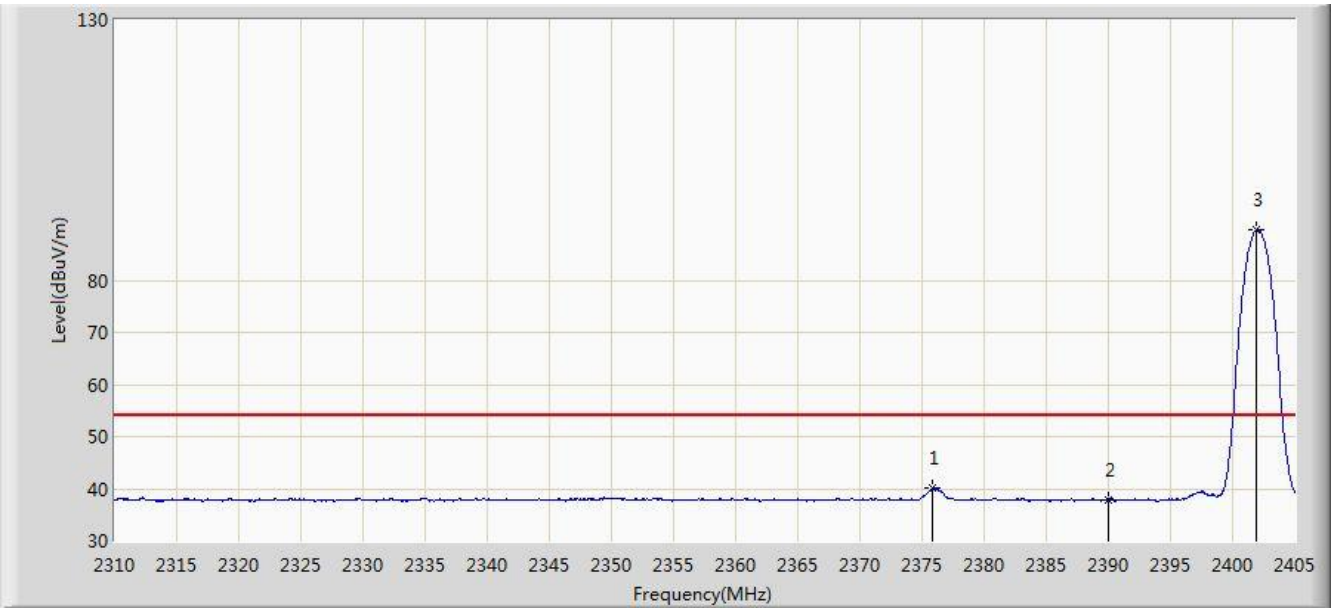


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2370.705	59.303	26.947	-14.697	74.000	32.357	PK
2			2390.000	56.929	24.602	-17.071	74.000	32.327	PK
3		*	2402.150	94.334	62.030	N/A	N/A	32.304	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:10
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2402MHz	

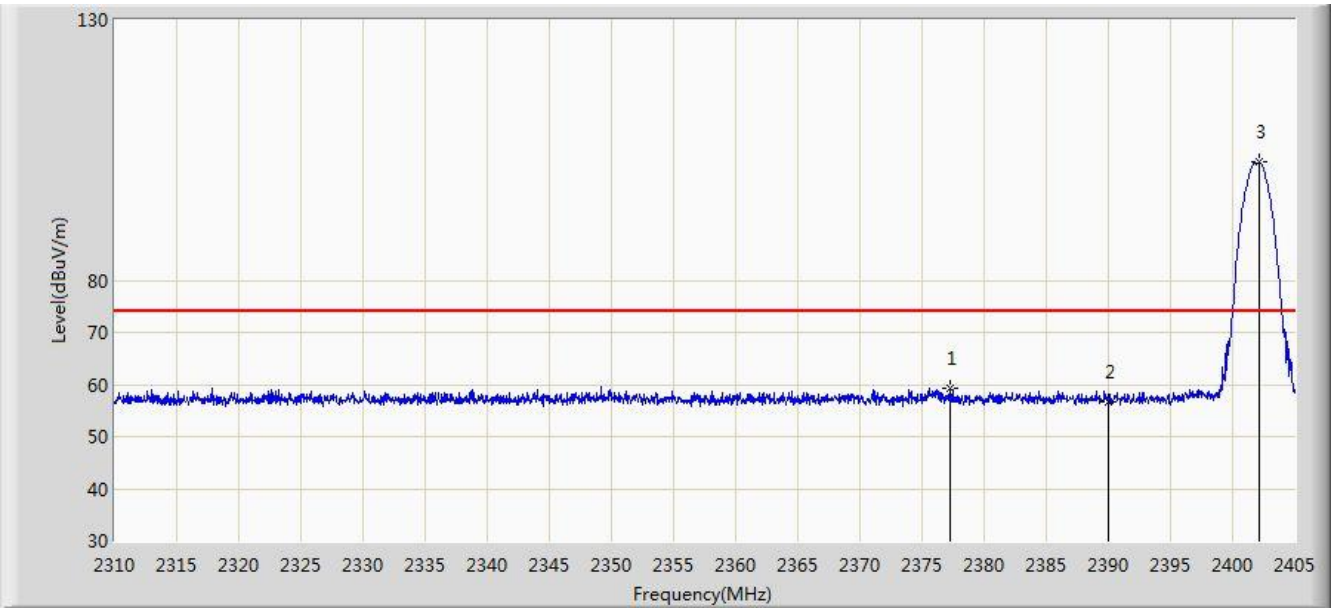


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.883	40.043	7.696	-13.957	54.000	32.346	AV
2			2390.000	37.868	5.541	-16.132	54.000	32.327	AV
3		*	2401.913	89.731	57.426	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:12
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2402MHz	

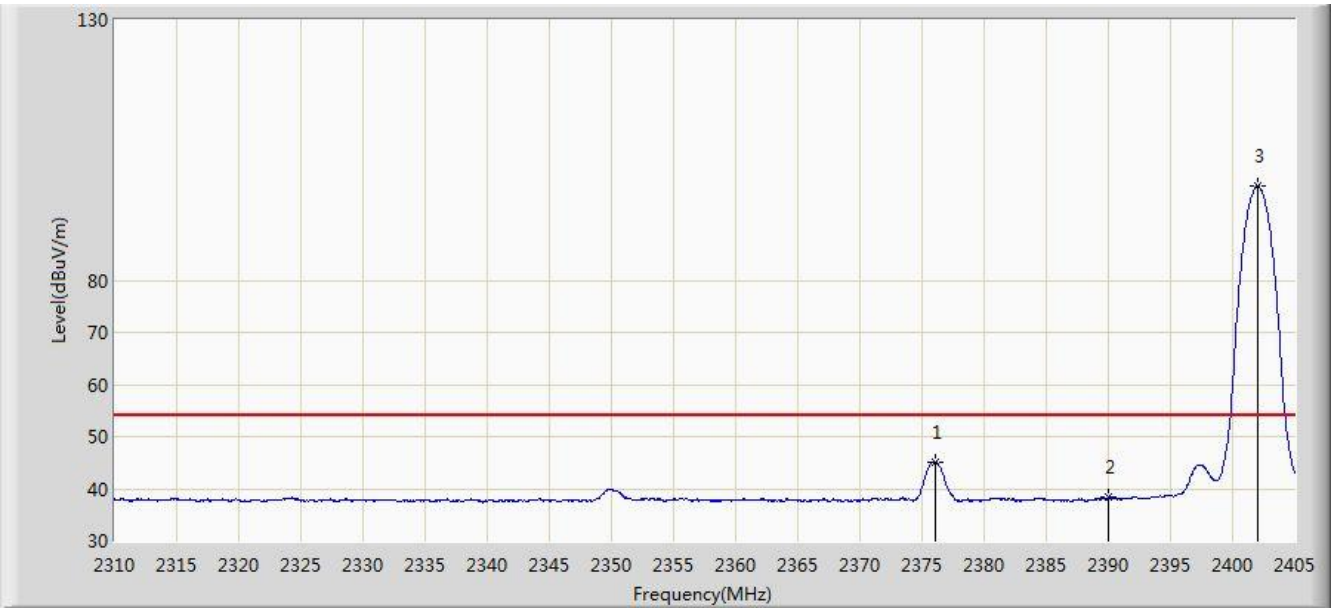


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2377.308	59.149	26.805	-14.851	74.000	32.344	PK
2			2390.000	56.630	24.303	-17.370	74.000	32.327	PK
3		*	2402.103	102.682	70.378	N/A	N/A	32.304	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:15
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2402MHz	

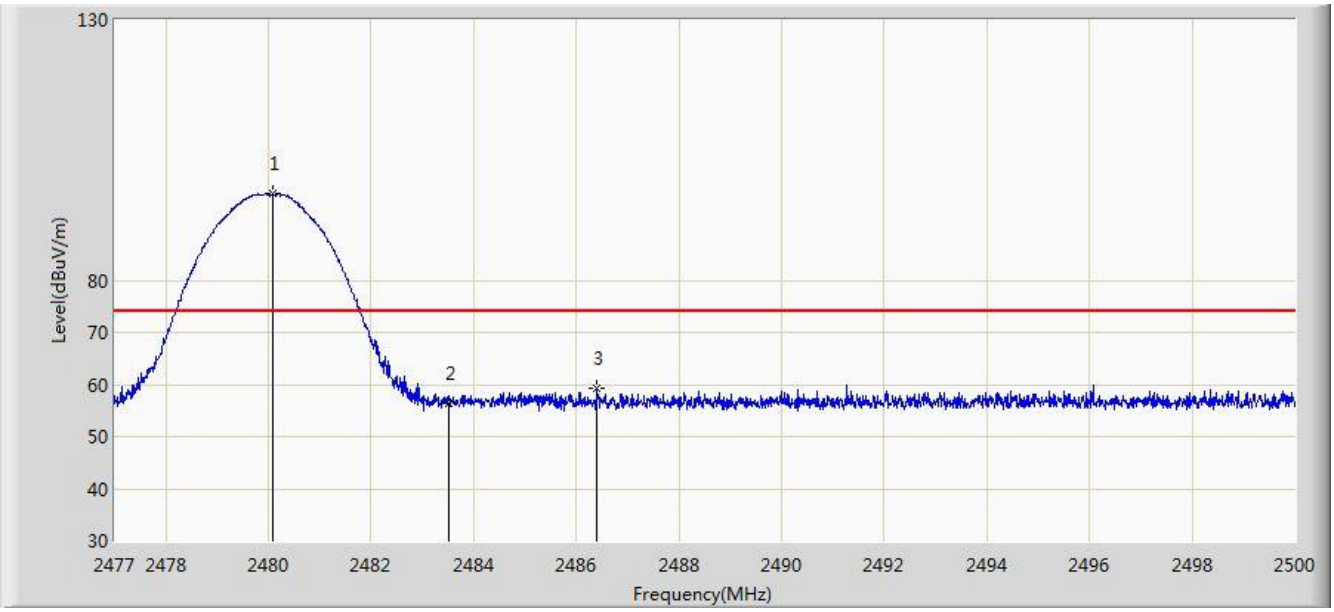


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2376.120	45.103	12.757	-8.897	54.000	32.346	AV
2			2390.000	38.327	6.000	-15.673	54.000	32.327	AV
3		*	2402.008	98.050	65.746	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:16
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2480MHz	

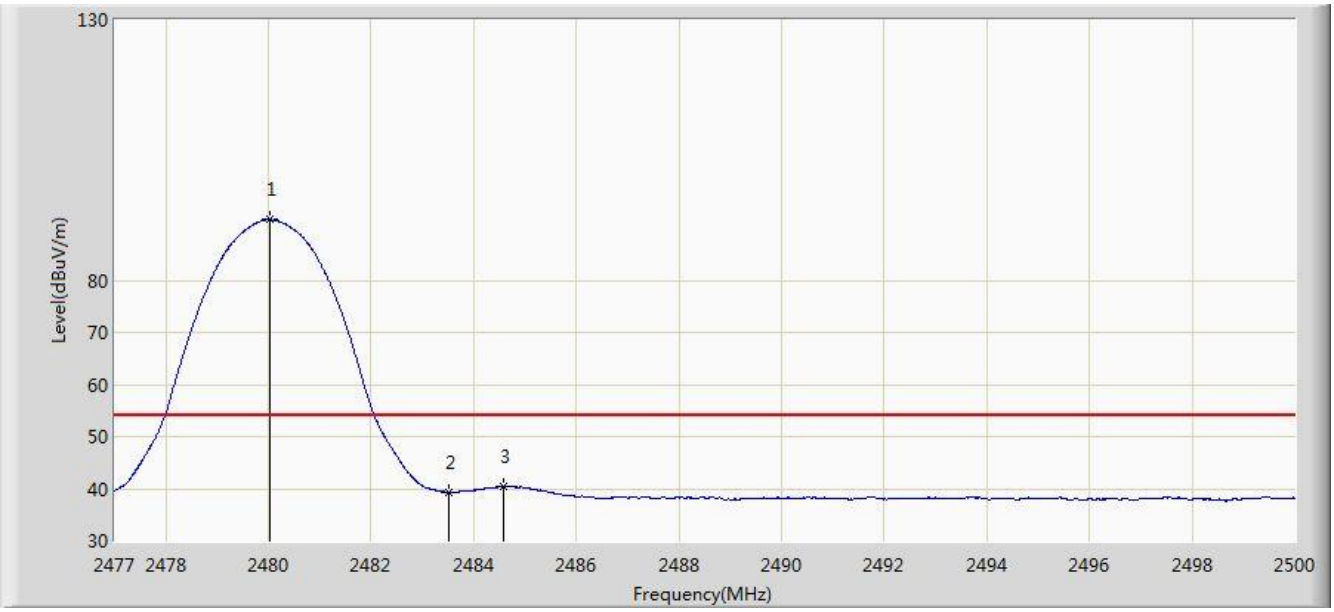


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.094	96.616	64.290	N/A	N/A	32.325	PK
2			2483.500	56.252	23.913	-17.748	74.000	32.340	PK
3			2486.407	59.136	26.785	-14.864	74.000	32.351	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:17
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2480MHz	

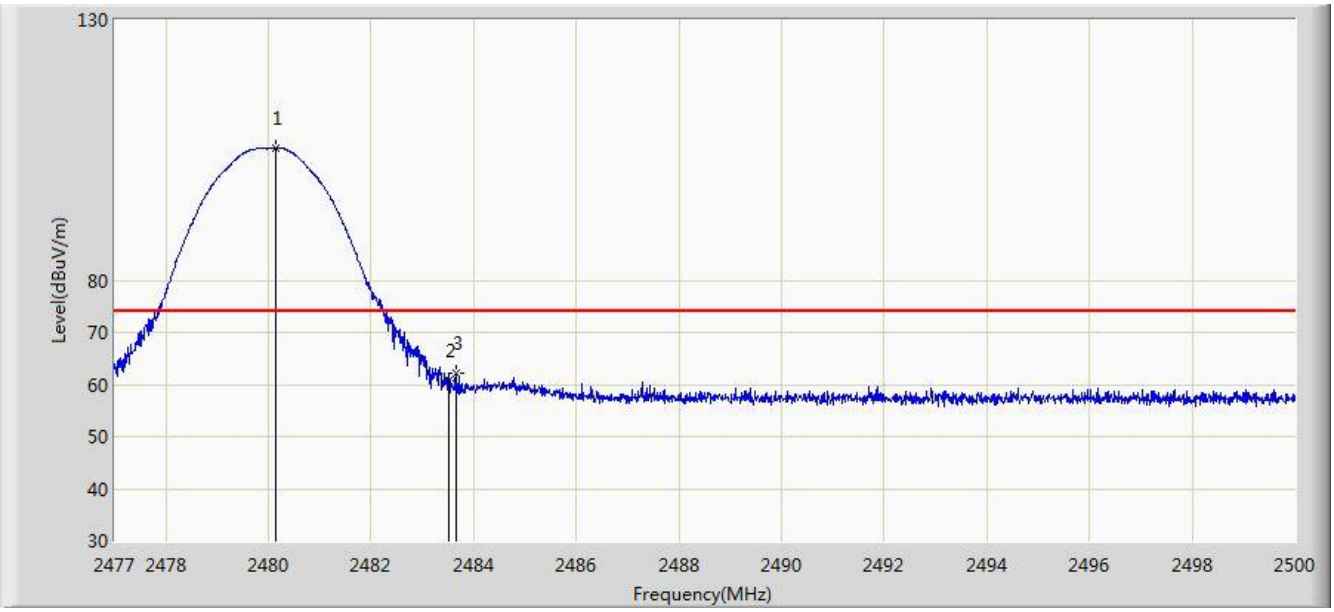


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	91.617	59.292	N/A	N/A	32.325	AV
2			2483.500	39.359	7.020	-14.641	54.000	32.340	AV
3			2484.590	40.419	8.076	-13.581	54.000	32.344	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:18
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2480MHz	

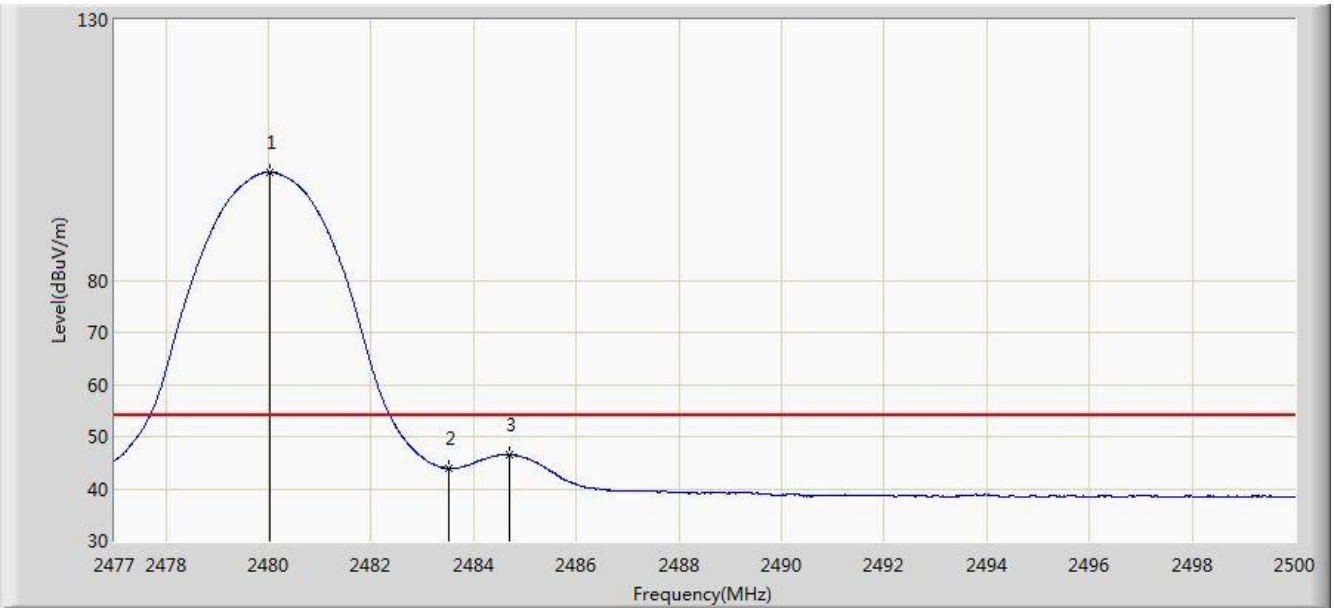


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.139	105.379	73.053	N/A	N/A	32.326	PK
2			2483.500	60.650	28.311	-13.350	74.000	32.340	PK
3			2483.647	62.231	29.891	-11.769	74.000	32.340	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:20
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 2DH5 at channel 2480MHz	

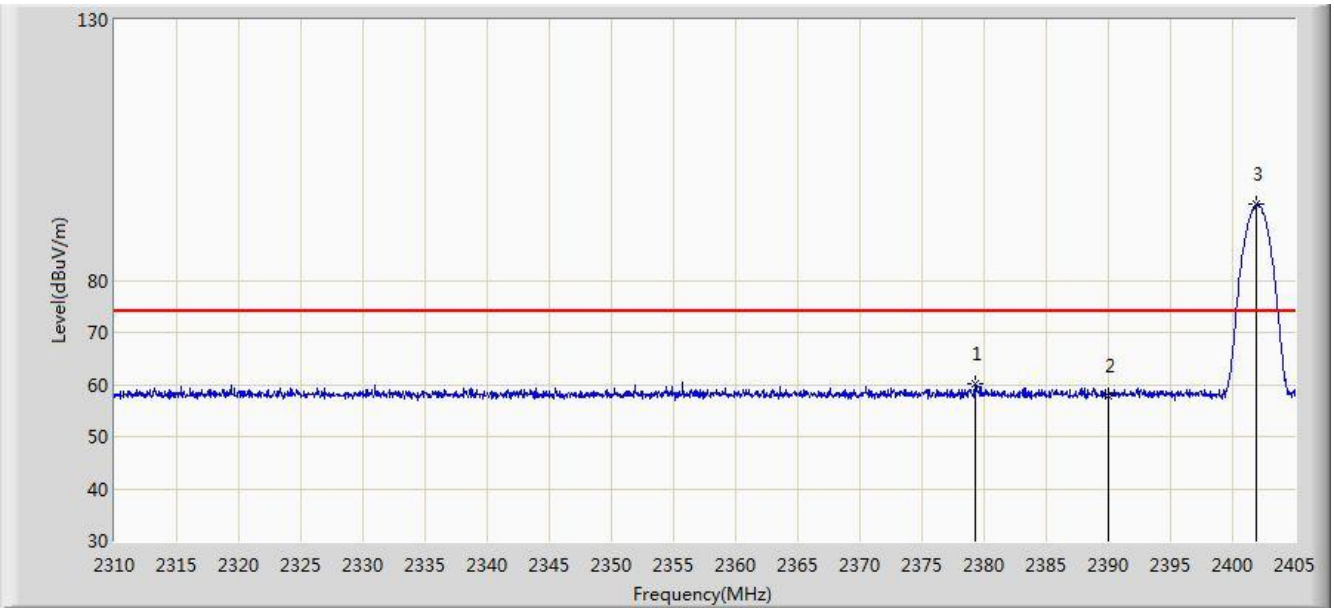


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	100.727	68.402	N/A	N/A	32.325	AV
2			2483.500	44.024	11.685	-9.976	54.000	32.340	AV
3			2484.694	46.556	14.212	-7.444	54.000	32.344	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:21
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2402MHz	

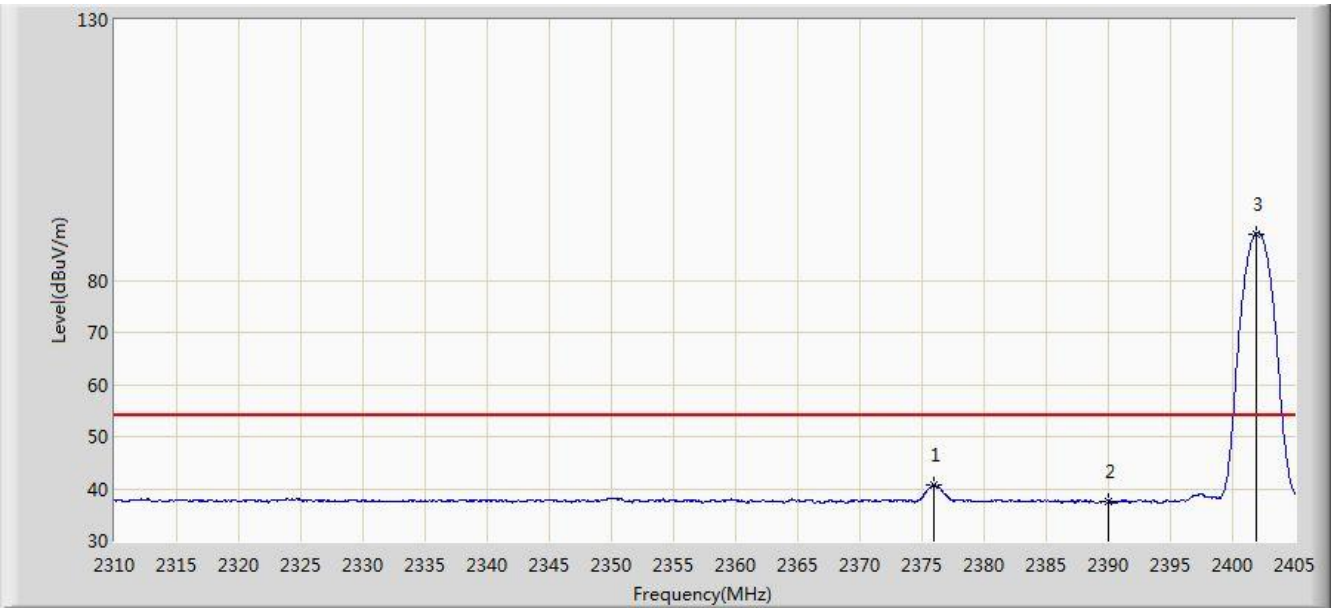


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.255	60.142	27.800	-13.858	74.000	32.342	PK
2			2390.000	57.847	25.520	-16.153	74.000	32.327	PK
3		*	2401.865	94.517	62.212	N/A	N/A	32.305	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:44
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2402MHz	

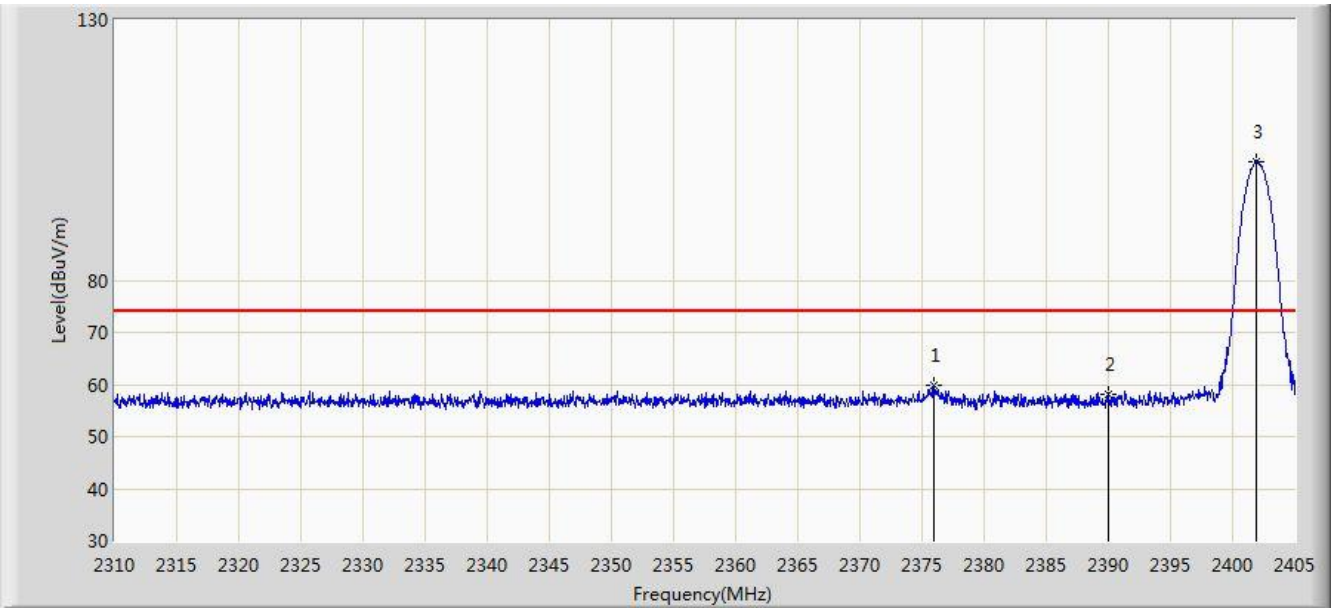


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.930	40.724	8.377	-13.276	54.000	32.346	AV
2			2390.000	37.657	5.330	-16.343	54.000	32.327	AV
3		*	2401.865	88.961	56.656	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:45
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2402MHz	

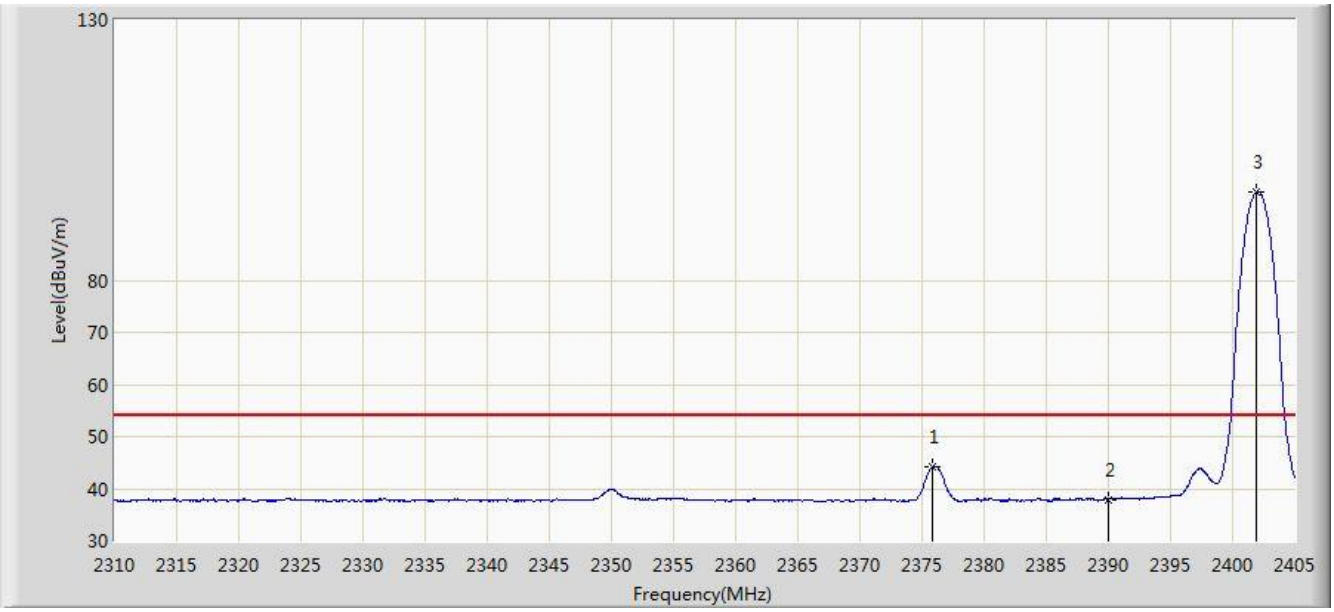


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.978	59.823	27.476	-14.177	74.000	32.346	PK
2			2390.000	58.241	25.914	-15.759	74.000	32.327	PK
3		*	2401.913	102.870	70.565	N/A	N/A	32.305	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:46
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2402MHz	

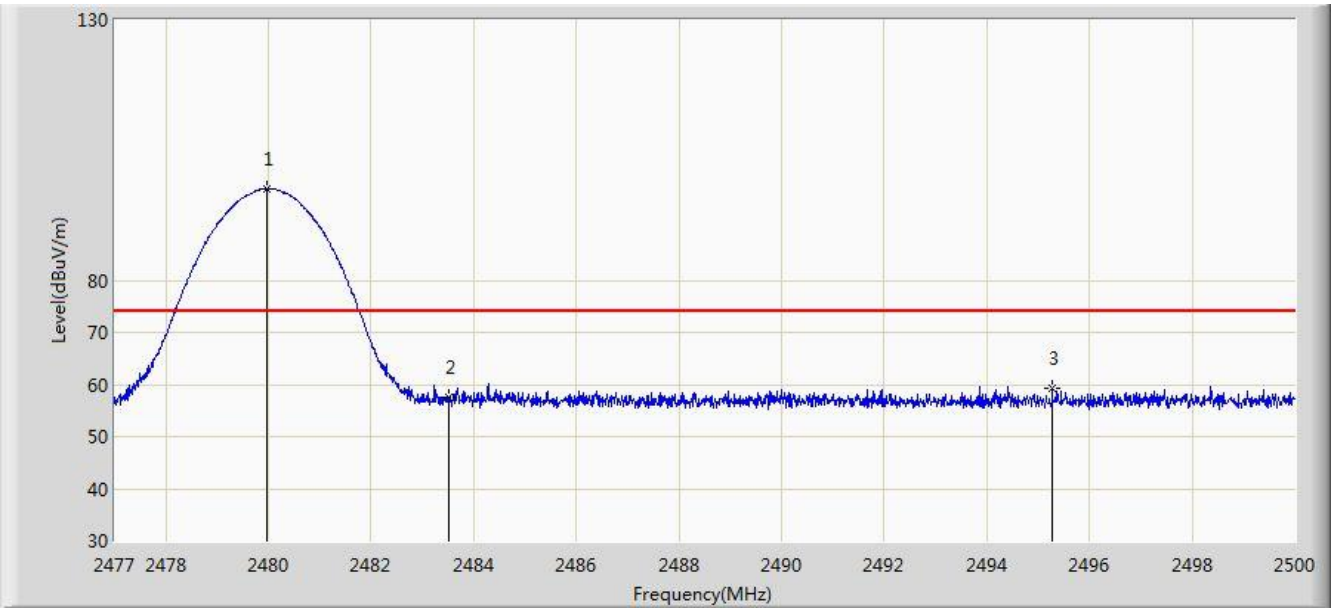


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.835	44.231	11.884	-9.769	54.000	32.347	AV
2			2390.000	37.966	5.639	-16.034	54.000	32.327	AV
3		*	2401.913	96.975	64.670	N/A	N/A	32.305	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:47
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2480MHz	

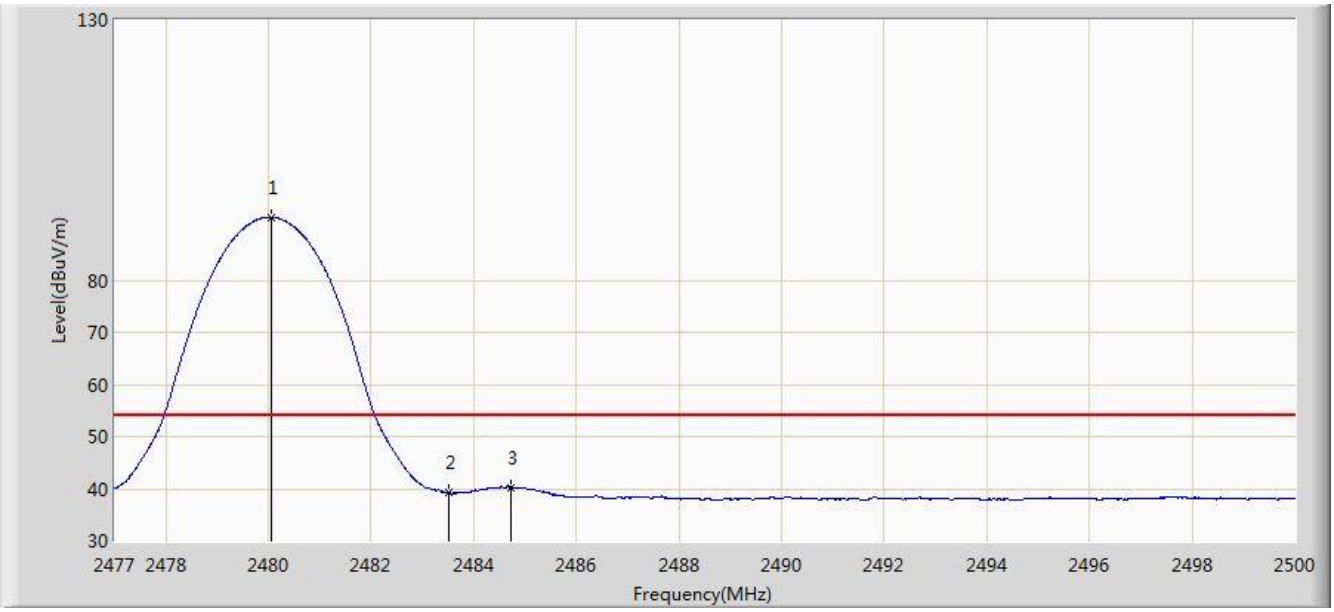


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.956	97.664	65.339	N/A	N/A	32.325	PK
2			2483.500	57.460	25.121	-16.540	74.000	32.340	PK
3			2495.273	59.348	26.963	-14.652	74.000	32.385	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:49
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2480MHz	

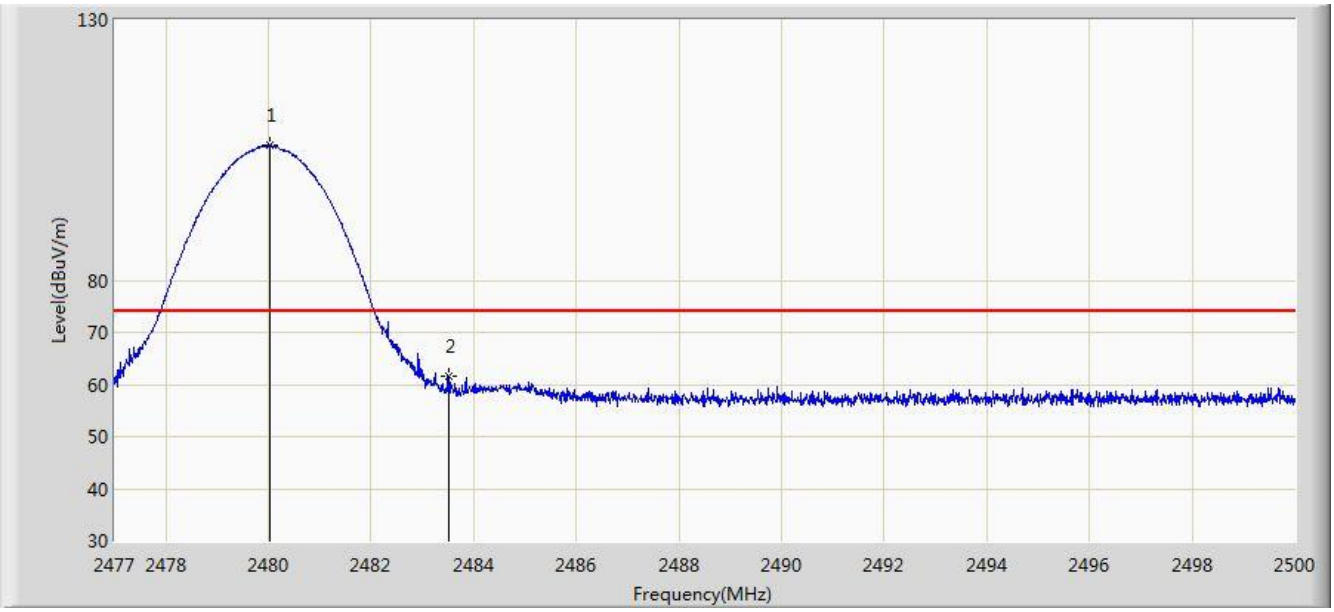


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.059	92.089	59.763	N/A	N/A	32.325	AV
2			2483.500	39.213	6.874	-14.787	54.000	32.340	AV
3			2484.717	40.247	7.903	-13.753	54.000	32.344	AV

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

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

Site: AC1	Time: 2018/10/17 - 03:50
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
Test Mode: Transmit by 3DH5 at channel 2480MHz	

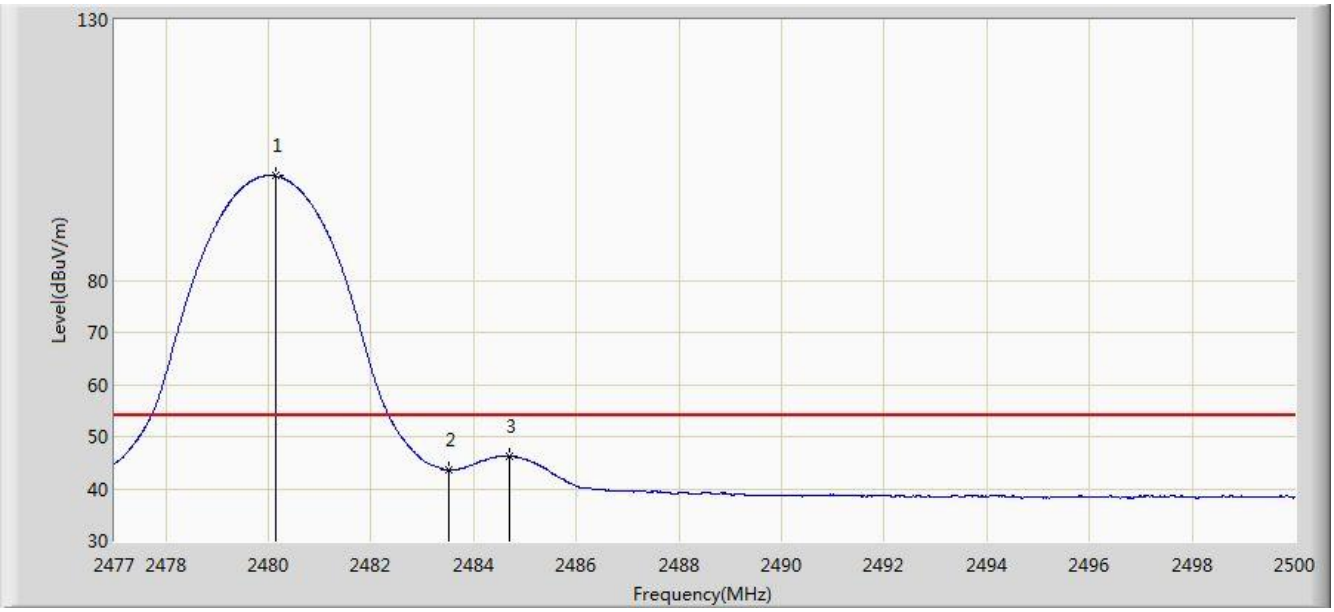


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	105.964	73.639	N/A	N/A	32.325	PK
2			2483.500	61.472	29.133	-12.528	74.000	32.340	PK

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

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

Site: AC1	Time: 2018/10/17 - 03:51
Limit: FCC_Part15.209_RE(3m)_Bandedge	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: FREKVENS Portable	Power: By Battery
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		*	2480.128	100.032	67.706	N/A	N/A	32.326	AV
2			2483.500	43.646	11.307	-10.354	54.000	32.340	AV
3			2484.682	46.225	13.881	-7.775	54.000	32.344	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

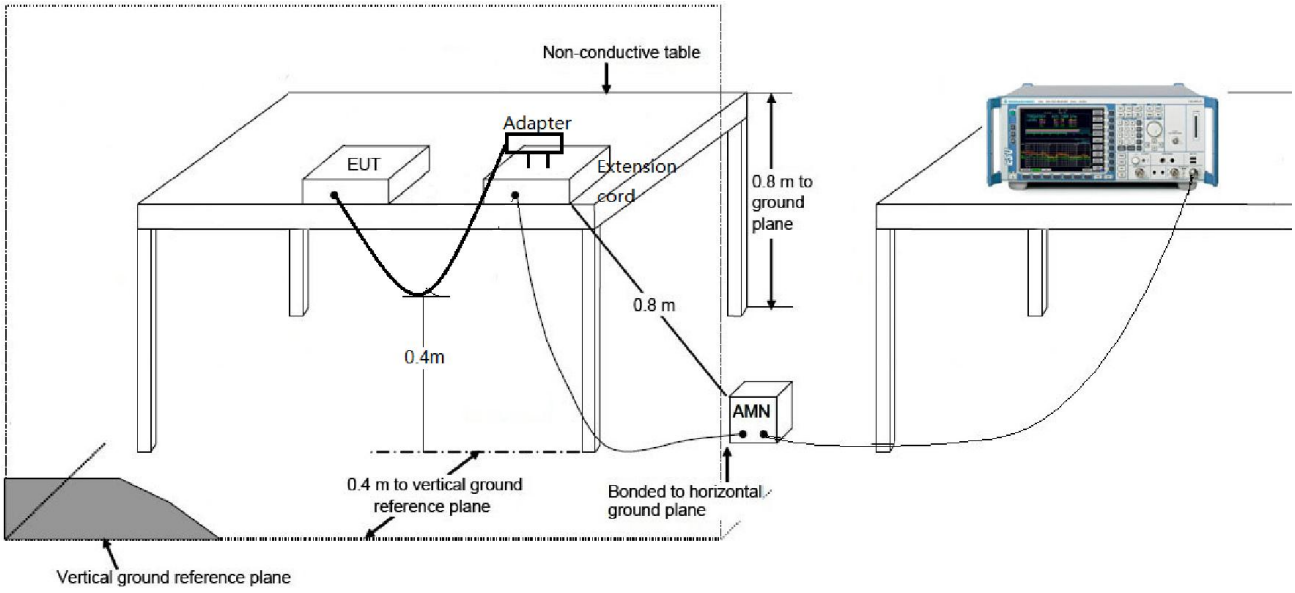
7.11.1. Test Limit

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.

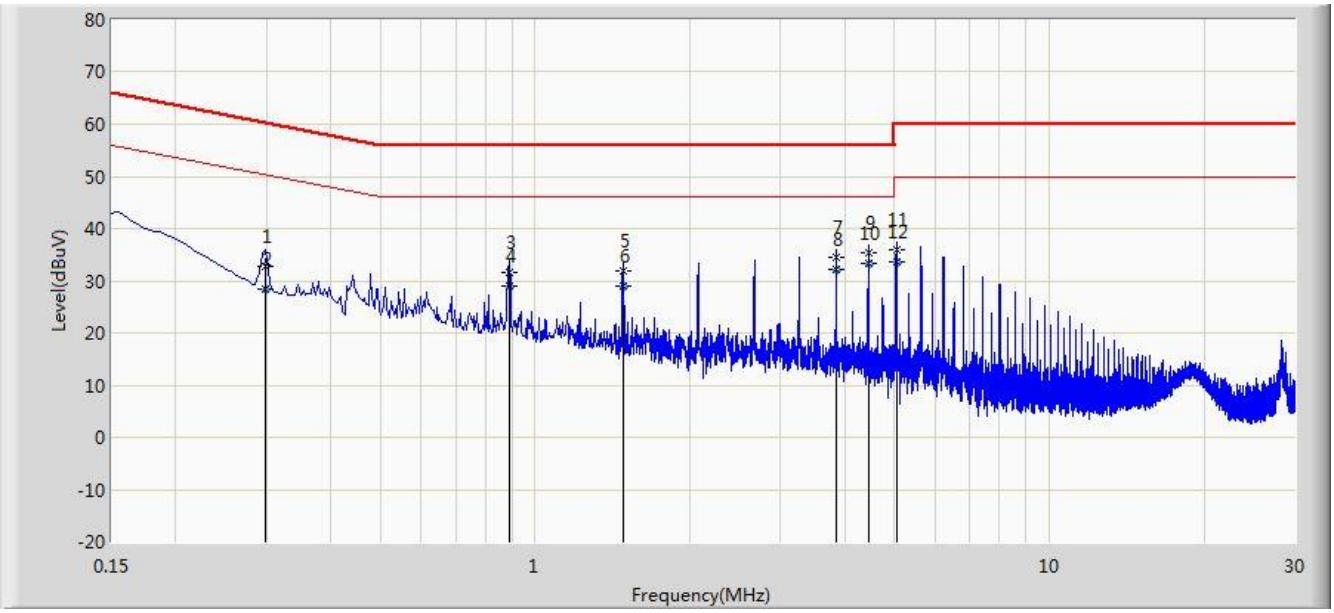
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup



7.11.3.Test Result

Site: SR2	Time: 2018/10/18 - 10:48
Limit: FCC_Part15.207_CE_AC Power	Engineer: Max Wang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: FREKVENS Portable	Power: AC 120V/60Hz
Test Mode: Worst Case	

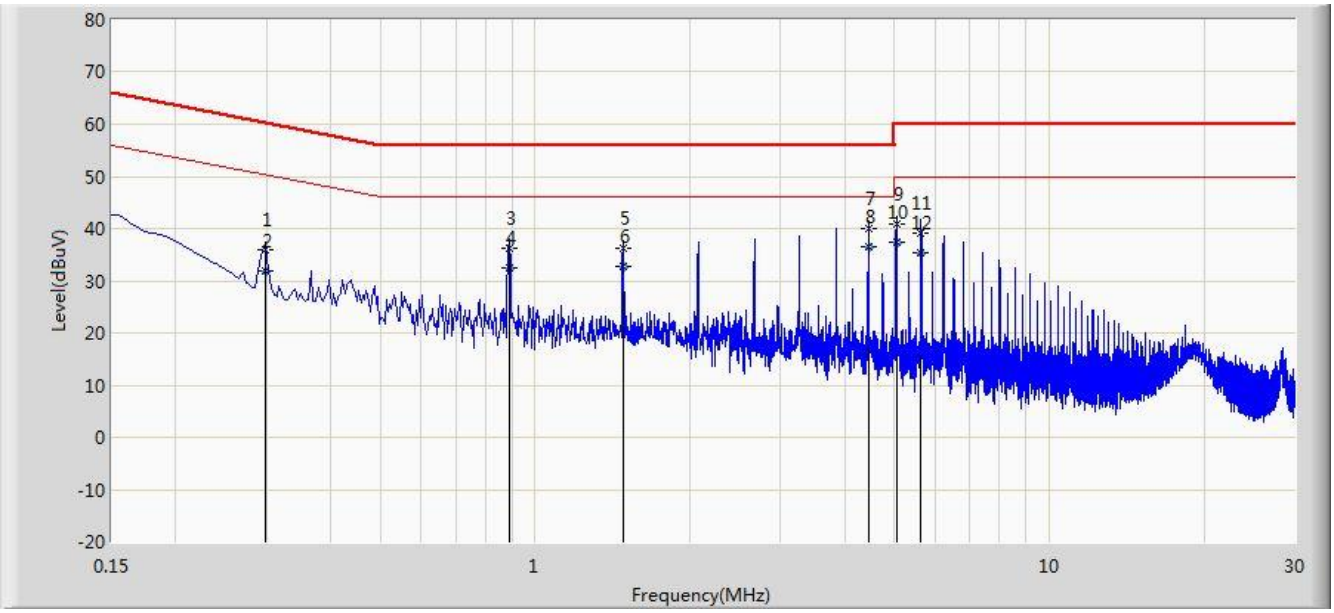


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.298	32.843	22.840	-27.456	60.298	10.002	QP
2			0.298	28.460	18.457	-21.839	50.298	10.002	AV
3			0.890	31.709	21.744	-24.291	56.000	9.966	QP
4			0.890	28.940	18.974	-17.060	46.000	9.966	AV
5			1.482	31.748	21.858	-24.252	56.000	9.890	QP
6			1.482	28.986	19.096	-17.014	46.000	9.890	AV
7			3.854	34.396	24.437	-21.604	56.000	9.959	QP
8			3.854	32.194	22.235	-13.806	46.000	9.959	AV
9			4.446	35.301	25.315	-20.699	56.000	9.986	QP
10		*	4.446	33.257	23.271	-12.743	46.000	9.986	AV
11			5.038	35.798	25.762	-24.202	60.000	10.036	QP
12			5.038	33.726	23.690	-16.274	50.000	10.036	AV

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

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

Site: SR2	Time: 2018/10/18 - 10:58
Limit: FCC_Part15.207_CE_AC Power	Engineer: Max Wang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: FREKVENS Portable	Power: AC 120V/60Hz
Test Mode: Worst Case	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.298	36.003	25.966	-24.296	60.298	10.036	QP
2			0.298	31.933	21.897	-18.366	50.298	10.036	AV
3			0.890	36.328	26.358	-19.672	56.000	9.970	QP
4			0.890	32.564	22.595	-13.436	46.000	9.970	AV
5			1.482	36.202	26.311	-19.798	56.000	9.891	QP
6			1.482	32.683	22.792	-13.317	46.000	9.891	AV
7			4.446	40.007	30.012	-15.993	56.000	9.995	QP
8		*	4.446	36.623	26.628	-9.377	46.000	9.995	AV
9			5.038	40.829	30.783	-19.171	60.000	10.046	QP
10			5.038	37.464	27.418	-12.536	50.000	10.046	AV
11			5.634	39.236	29.138	-20.764	60.000	10.098	QP
12			5.634	35.432	25.333	-14.568	50.000	10.098	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 **FREKVENS Portable** is in compliance with Part 15C of the FCC rules and RSS-247 of IC rules.

The End

Appendix A – Test Setup Photograph

Refer to “1809WSU003-UT” file.

Appendix B – EUT Photograph

Refer to “1809WSU003-UE” file.