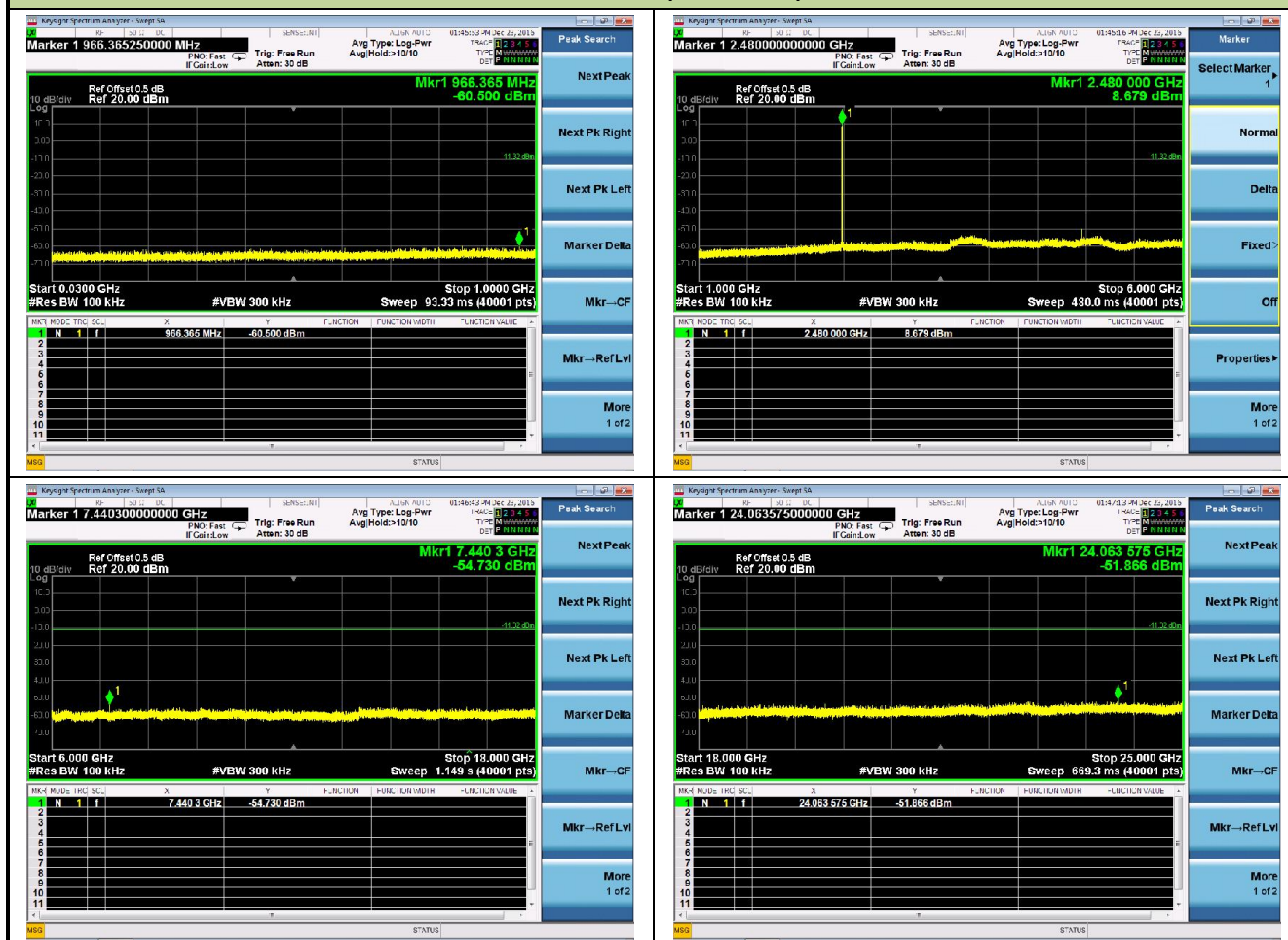


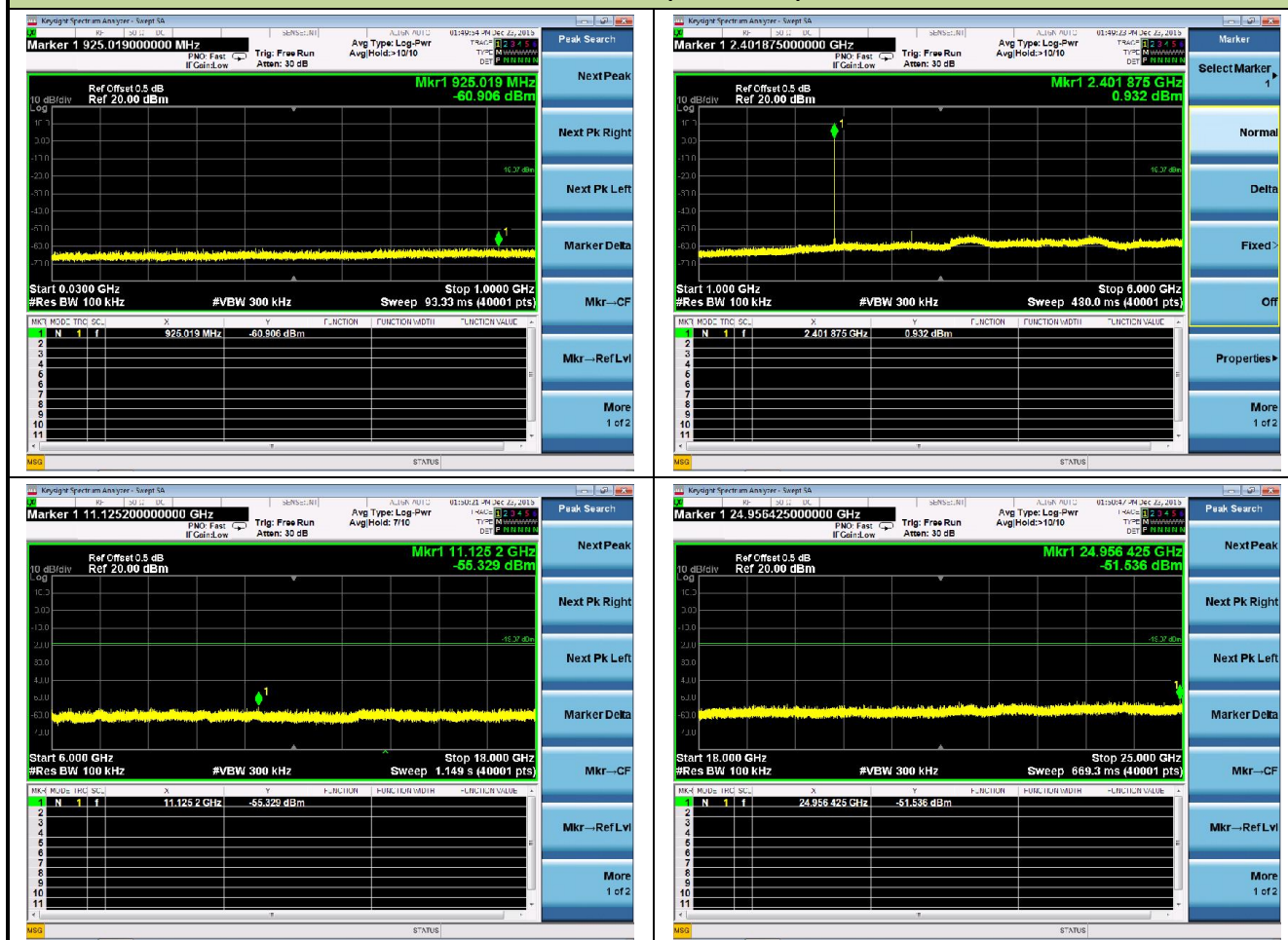
## DH5 Conducted Spurious Emissions

### Channel 79 (2480MHz)



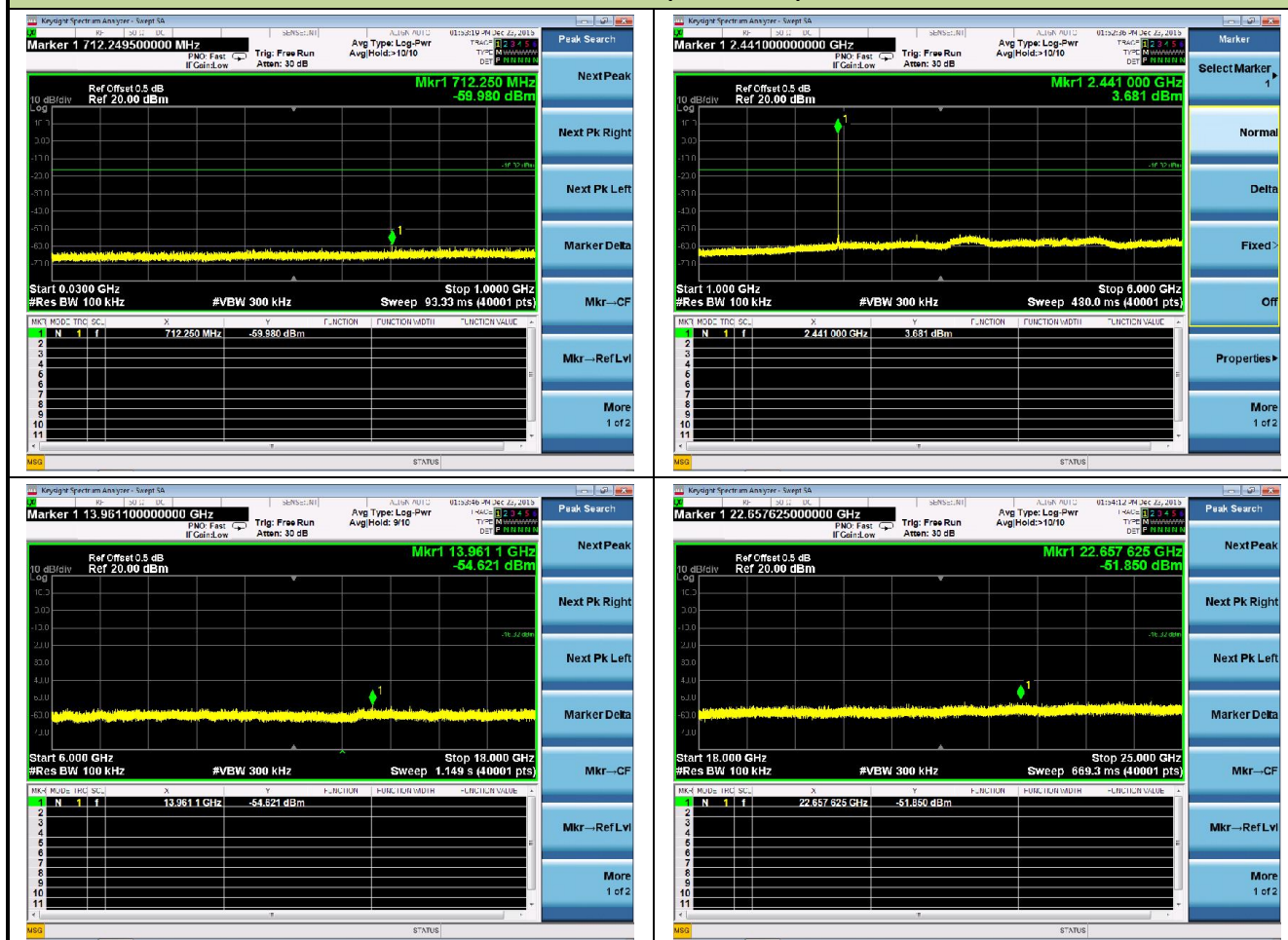
## 2DH5 Conducted Spurious Emissions

### Channel 00 (2402MHz)



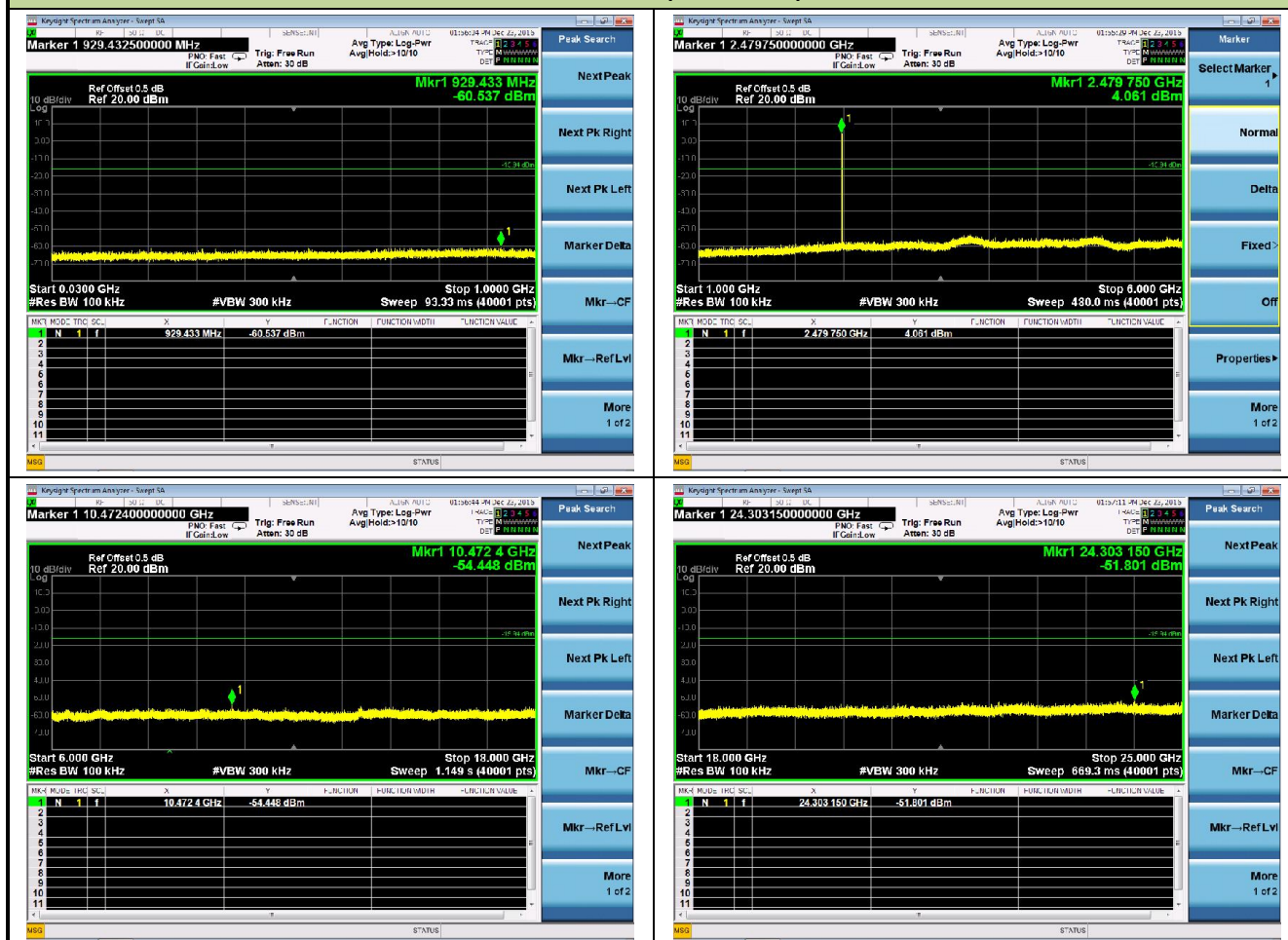
## 2DH5 Conducted Spurious Emissions

### Channel 39 (2441MHz)



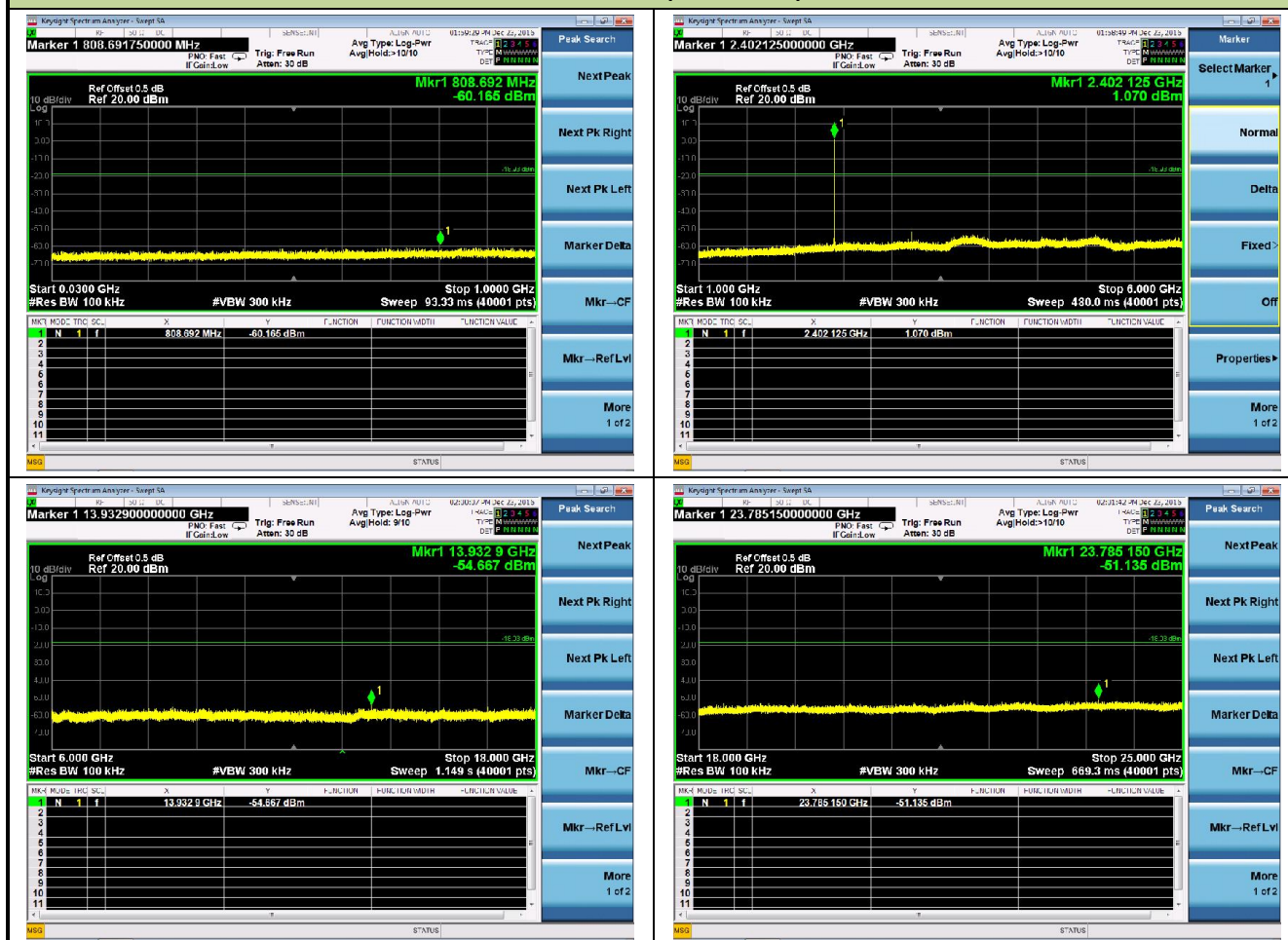
## 2DH5 Conducted Spurious Emissions

### Channel 78 (2480MHz)



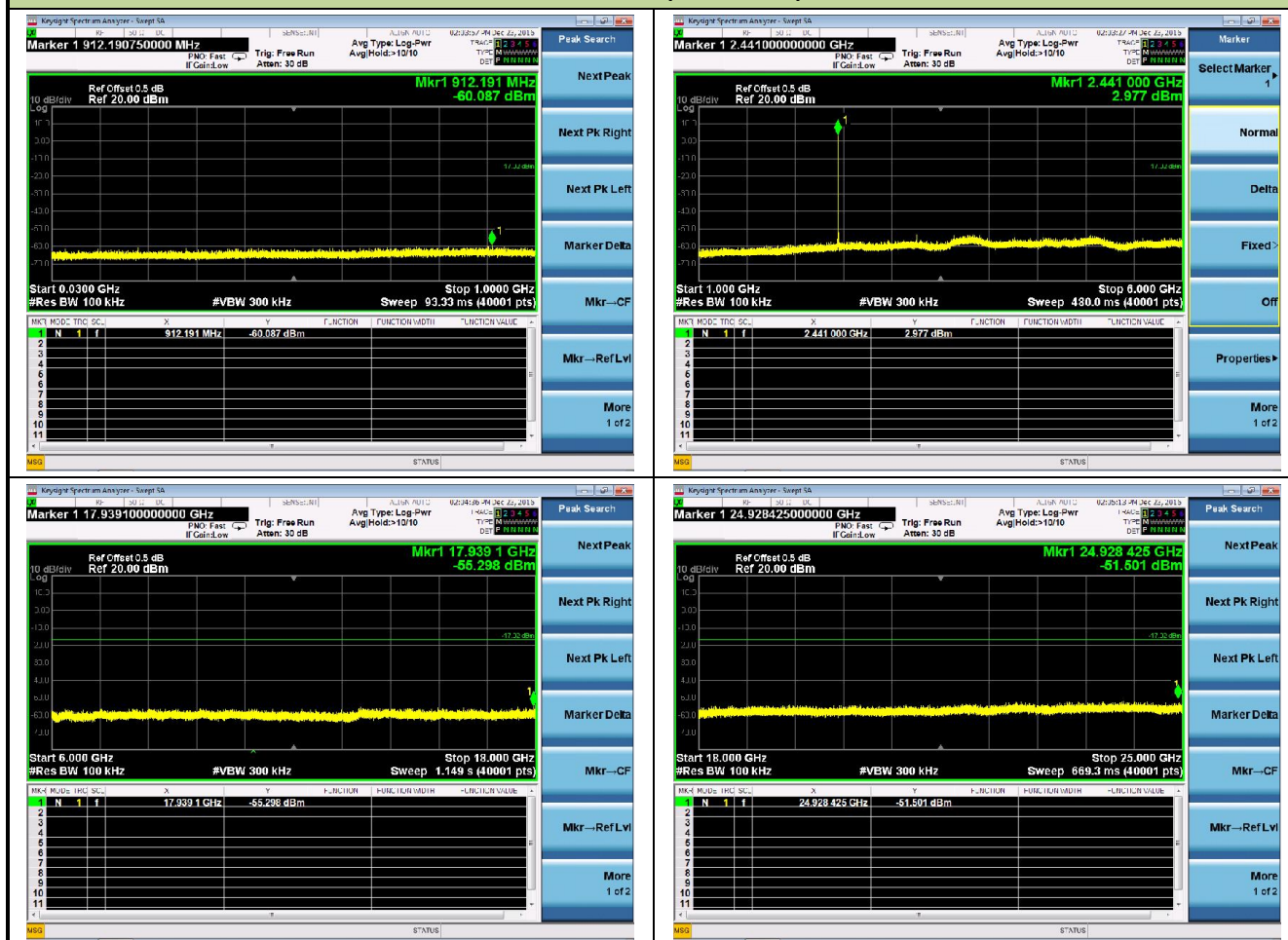
## 3DH5 Conducted Spurious Emissions

### Channel 00 (2402MHz)



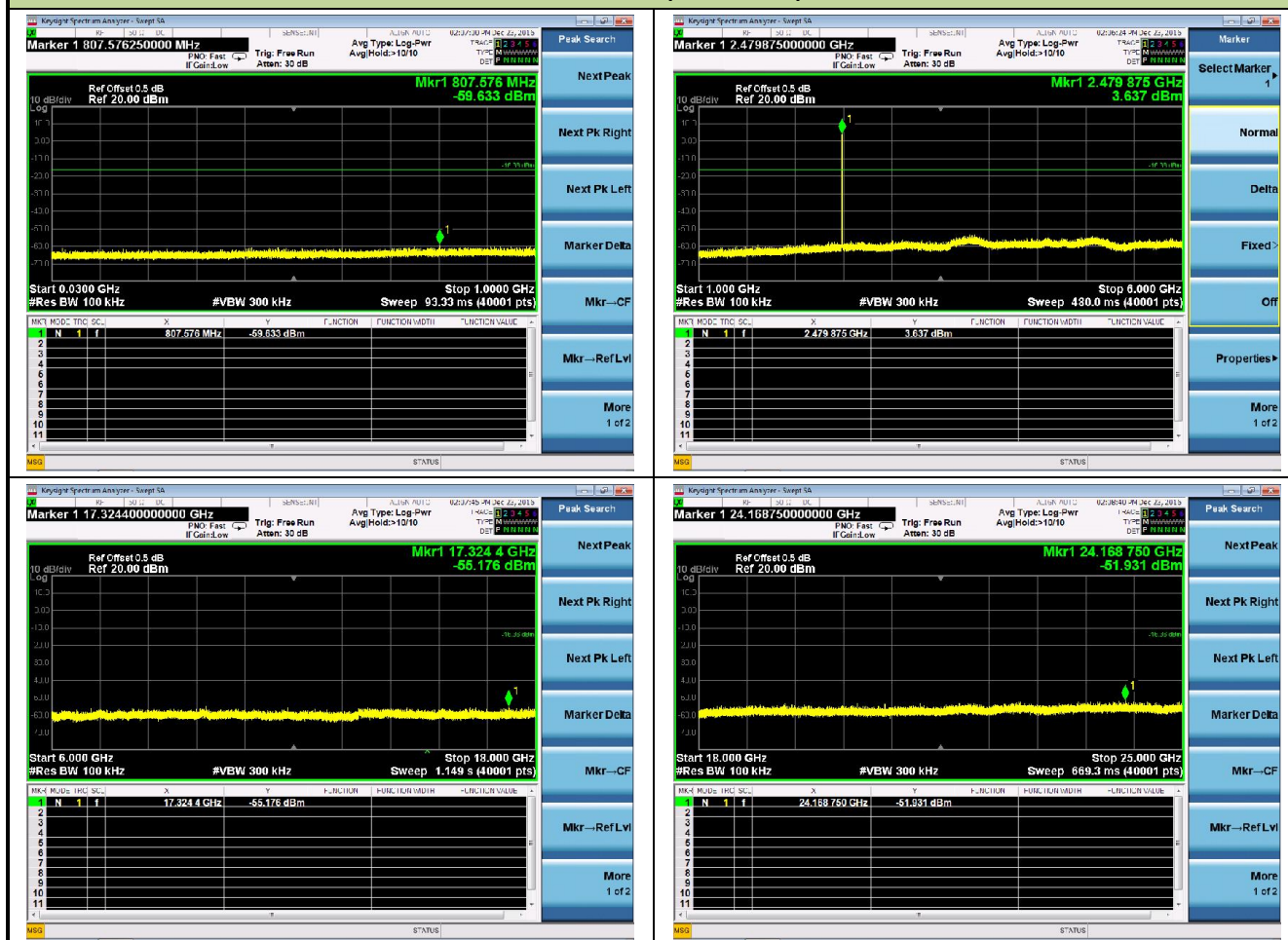
## 3DH5 Conducted Spurious Emissions

### Channel 39 (2441MHz)



# 3DH5 Conducted Spurious Emissions

## 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**

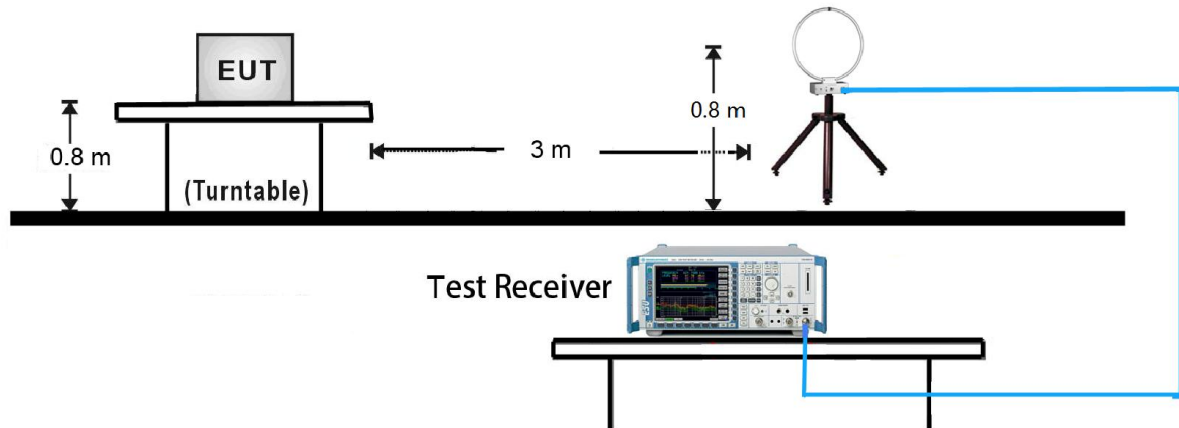
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

**Average Field Strength Measurements**

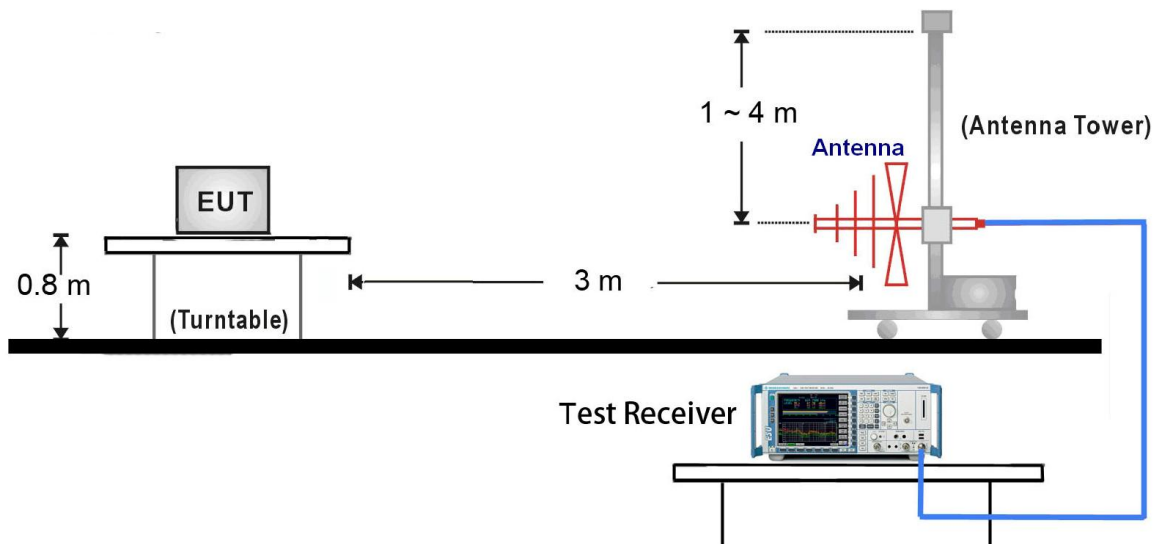
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB 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

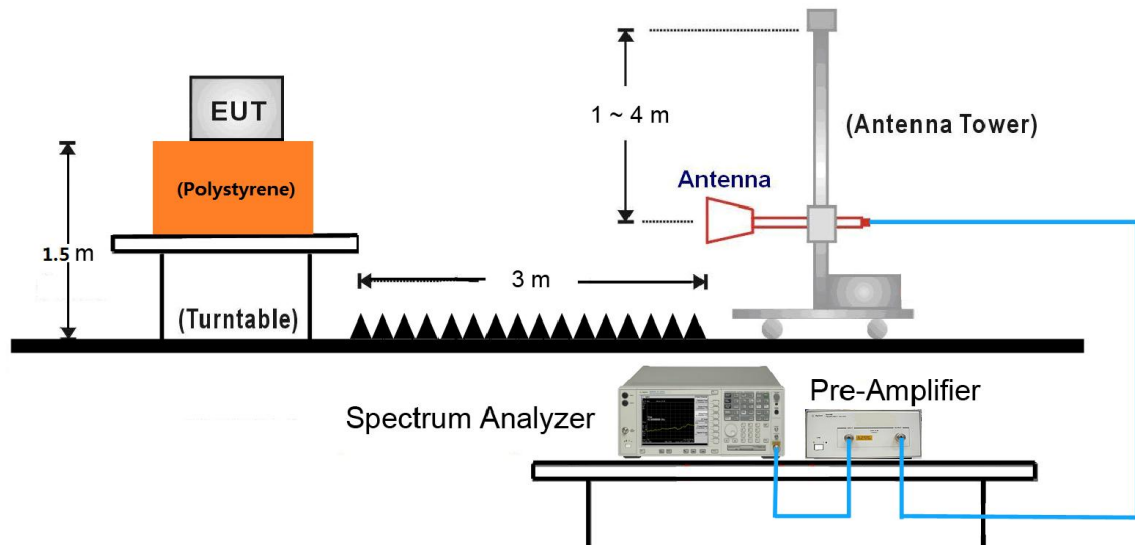
##### 9kHz ~ 30MHz Test Setup:



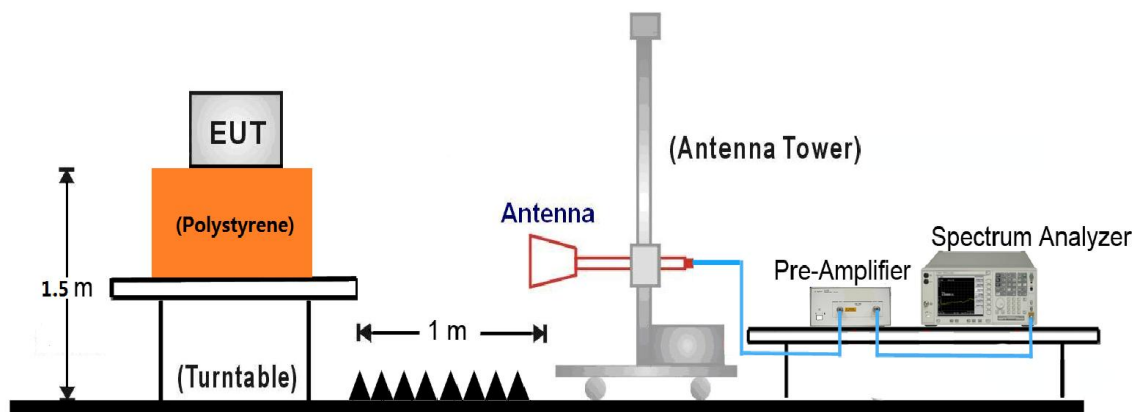
##### 30MHz ~ 1GHz Test Setup:



### 1GHz ~ 18GHz Test Setup:



### 18GHz ~ 25GHz Test Setup:



### 7.9.5. Test Result

**Remark:** There are the ambient noise within frequency range 9 kHz ~ 30 MHz and 18GHz ~ 25GHz, the permissible value is not show in the report.

Test Mode:	DH5	Test Site:	AC2
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
	3839.0	39.4	-0.6	38.8	74.0	-35.2	Peak	Horizontal
	4927.0	35.0	2.6	37.6	74.0	-36.4	Peak	Horizontal
*	6508.0	34.7	7.3	42.0	82.5	-40.5	Peak	Horizontal
*	9950.5	33.1	13.5	46.6	82.5	-35.9	Peak	Horizontal
	3907.0	36.1	-0.6	35.5	74.0	-38.5	Peak	Vertical
	4935.5	35.9	2.7	38.6	74.0	-35.4	Peak	Vertical
*	6508.0	33.8	7.3	41.1	82.5	-41.4	Peak	Vertical
*	9857.0	33.7	13.0	46.7	82.5	-35.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.5dBμV/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)

Test Mode:	DH5	Test Site:	AC2
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
	3839.0	38.1	-0.6	37.5	74.0	-36.5	Peak	Horizontal
	4884.5	40.1	2.7	42.8	74.0	-31.2	Peak	Horizontal
*	6797.0	34.5	7.9	42.4	85.4	-43.0	Peak	Horizontal
*	10129.0	33.3	13.6	46.9	85.4	-38.5	Peak	Horizontal
	3890.0	37.7	-0.6	37.1	74.0	-36.9	Peak	Vertical
	4884.5	37.1	2.7	39.8	74.0	-34.2	Peak	Vertical
*	6618.5	35.3	7.6	42.9	85.4	-42.5	Peak	Vertical
*	9882.5	33.3	13.3	46.6	85.4	-38.8	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.4BμV/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:	AC2
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
	3839.0	38.8	-0.6	38.2	74.0	-35.8	Peak	Horizontal
	4961.0	43.9	2.7	46.6	74.0	-27.4	Peak	Horizontal
*	6678.0	33.6	7.7	41.3	84.6	-43.3	Peak	Horizontal
*	9882.5	32.6	13.3	45.9	84.6	-38.7	Peak	Horizontal
	3856.0	37.8	-0.6	37.2	74.0	-36.8	Peak	Vertical
	4961.0	40.6	2.7	43.3	74.0	-30.7	Peak	Vertical
*	6559.0	34.3	7.5	41.8	84.6	-42.8	Peak	Vertical
*	9942.0	33.4	13.3	46.7	84.6	-37.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.6dBμV/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)

Test Mode:	2DH5	Test Site:	AC2
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
	3924.0	38.0	-0.7	37.3	74.0	-36.7	Peak	Horizontal
	4808.0	36.5	2.7	39.2	74.0	-34.8	Peak	Horizontal
*	6491.0	33.8	7.3	41.1	82.1	-41.0	Peak	Horizontal
*	10120.5	33.7	13.5	47.2	82.1	-34.9	Peak	Horizontal
	3890.0	35.6	-0.6	35.0	74.0	-39.0	Peak	Vertical
	4876.0	34.3	2.6	36.9	74.0	-37.1	Peak	Vertical
*	6712.0	34.0	7.7	41.7	82.1	-40.4	Peak	Vertical
*	10001.5	30.3	13.5	43.8	82.1	-38.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.1dBμV/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:	2DH5	Test Site:	AC2
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
	3839.0	38.3	-0.6	37.7	74.0	-36.3	Peak	Horizontal
	4884.5	37.6	2.7	40.3	74.0	-33.7	Peak	Horizontal
*	6678.0	35.2	7.7	42.9	86.7	-43.8	Peak	Horizontal
*	9916.5	33.3	13.4	46.7	86.7	-40.0	Peak	Horizontal
	3839.0	37.7	-0.6	37.1	74.0	-36.9	Peak	Vertical
	4884.5	35.7	2.7	38.4	74.0	-35.6	Peak	Vertical
*	6508.0	33.5	7.3	40.8	86.7	-45.9	Peak	Vertical
*	9763.5	33.2	12.8	46.0	86.7	-40.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.7dBμV/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:	2DH5	Test Site:	AC2
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
	3839.0	38.6	-0.6	38.0	74.0	-36.0	Peak	Horizontal
	4961.0	39.6	2.7	42.3	74.0	-31.7	Peak	Horizontal
*	6576.0	34.0	7.5	41.5	85.1	-43.6	Peak	Horizontal
*	9848.5	33.4	13.3	46.7	85.1	-38.4	Peak	Horizontal
	3915.5	37.3	-0.6	36.7	74.0	-37.3	Peak	Vertical
	4961.0	37.5	2.7	40.2	74.0	-33.8	Peak	Vertical
*	6533.5	34.1	7.3	41.4	85.1	-43.7	Peak	Vertical
*	10061.0	33.6	13.7	47.3	85.1	-37.8	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.1dBμV/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:	3DH5	Test Site:	AC2
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
	3839.0	38.9	-0.6	38.3	74.0	-35.7	Peak	Horizontal
	4799.5	37.0	2.8	39.8	74.0	-34.2	Peak	Horizontal
*	6746.0	35.8	7.5	43.3	81.6	-38.3	Peak	Horizontal
*	10188.5	33.6	14.1	47.7	81.6	-33.9	Peak	Horizontal
	3932.5	37.1	-0.7	36.4	74.0	-37.6	Peak	Vertical
	4893.0	35.1	2.7	37.8	74.0	-36.2	Peak	Vertical
*	6635.5	34.4	7.6	42.0	81.6	-39.6	Peak	Vertical
*	9848.5	33.5	13.3	46.8	81.6	-34.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.6dBμV/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)

Test Mode:	3DH5	Test Site:	AC2
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
	3924.0	37.9	-0.7	37.2	74.0	-36.8	Peak	Horizontal
	4884.5	37.1	2.7	39.8	74.0	-34.2	Peak	Horizontal
*	6474.0	34.8	7.1	41.9	84.8	-42.9	Peak	Horizontal
*	10027.0	33.8	13.1	46.9	84.8	-37.9	Peak	Horizontal
	3924.0	37.5	-0.7	36.8	74.0	-37.2	Peak	Vertical
	4884.5	35.4	2.7	38.1	74.0	-35.9	Peak	Vertical
*	6584.5	34.1	7.5	41.6	84.8	-43.2	Peak	Vertical
*	9891.0	33.5	13.2	46.7	84.8	-38.1	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.8dBμV/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)

Test Mode:	3DH5	Test Site:	AC2
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
	3839.0	37.7	-0.6	37.1	74.0	-36.9	Peak	Horizontal
	4961.0	40.5	2.7	43.2	74.0	-30.8	Peak	Horizontal
*	6644.0	34.1	7.7	41.8	83.9	-42.1	Peak	Horizontal
*	9644.5	33.3	12.7	46.0	83.9	-37.9	Peak	Horizontal
	3881.5	36.8	-0.6	36.2	74.0	-37.8	Peak	Vertical
	4961.0	37.7	2.7	40.4	74.0	-33.6	Peak	Vertical
*	6516.5	34.7	7.4	42.1	83.9	-41.8	Peak	Vertical
*	10001.5	32.9	13.5	46.4	83.9	-37.5	Peak	Vertical

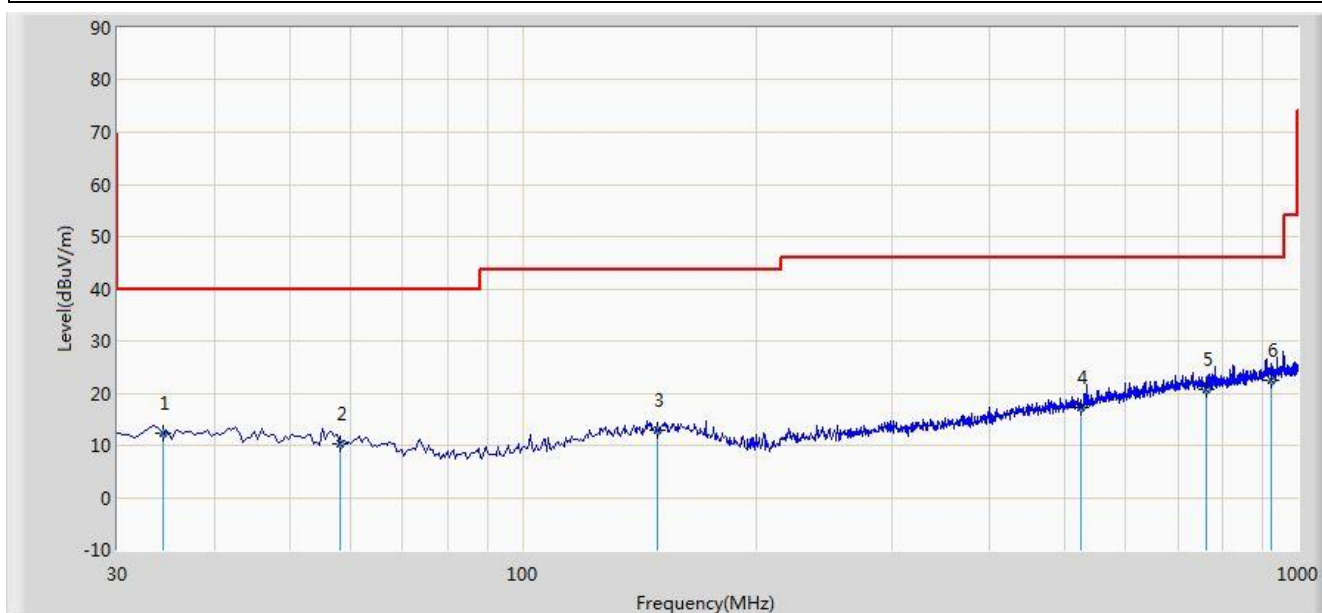
Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.9dBμV/m) or 15.209 which is higher.

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

### The worst case of Radiated Emission below 1GHz:

Site: AC2	Time: 2016/12/28 - 11:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: MID	Power: By Battery
<b>Worst Case Mode:</b> Transmit at Channel 2402MHz by 2DH5	

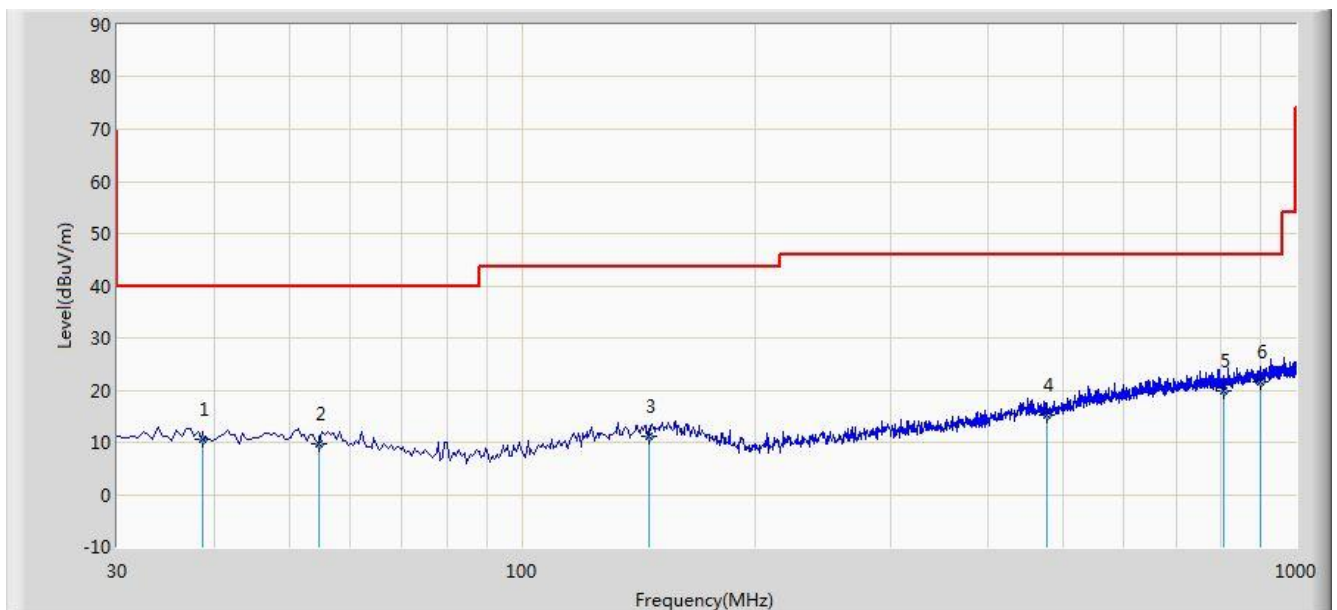


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		34.365	12.174	-1.633	-27.826	40.000	13.807	QP
2		58.130	10.393	-3.101	-29.607	40.000	13.494	QP
3		149.310	12.794	-2.316	-30.706	43.500	15.110	QP
4		525.185	17.327	-1.662	-28.673	46.000	18.989	QP
5		760.410	20.847	-2.010	-25.153	46.000	22.857	QP
6	*	925.795	22.416	-2.298	-23.584	46.000	24.714	QP

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

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

Site: AC2	Time: 2016/12/28 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: MID	Power: By Battery
<b>Worst Case Mode:</b> Transmit at Channel 2402MHz by 2DH5	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		38.730	10.480	-3.890	-29.520	40.000	14.370	QP
2		54.735	9.776	-3.956	-30.224	40.000	13.732	QP
3		145.915	11.206	-3.699	-32.294	43.500	14.905	QP
4		477.655	15.128	-3.012	-30.872	46.000	18.140	QP
5		805.030	19.940	-3.330	-26.060	46.000	23.270	QP
6	*	900.575	21.521	-2.838	-24.479	46.000	24.358	QP

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

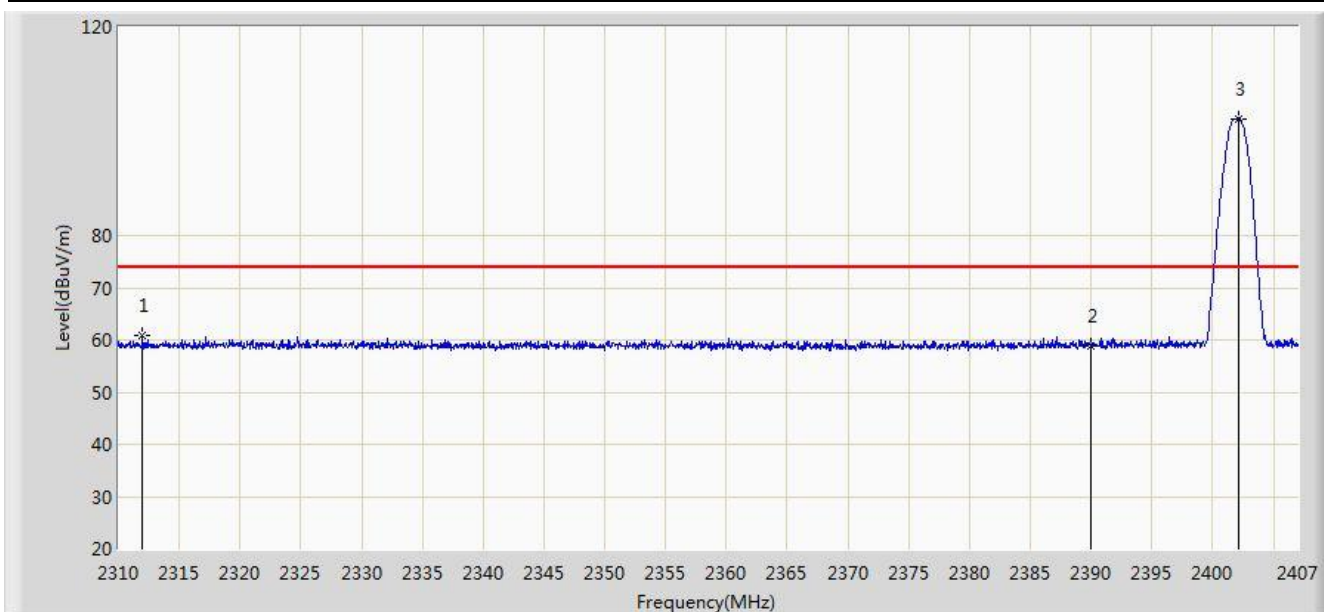
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)



## 7.10. Radiated Restricted Band Edge Measurement

### 7.10.1. Test Result

Site: AC2	Time: 2016/12/24 - 12:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

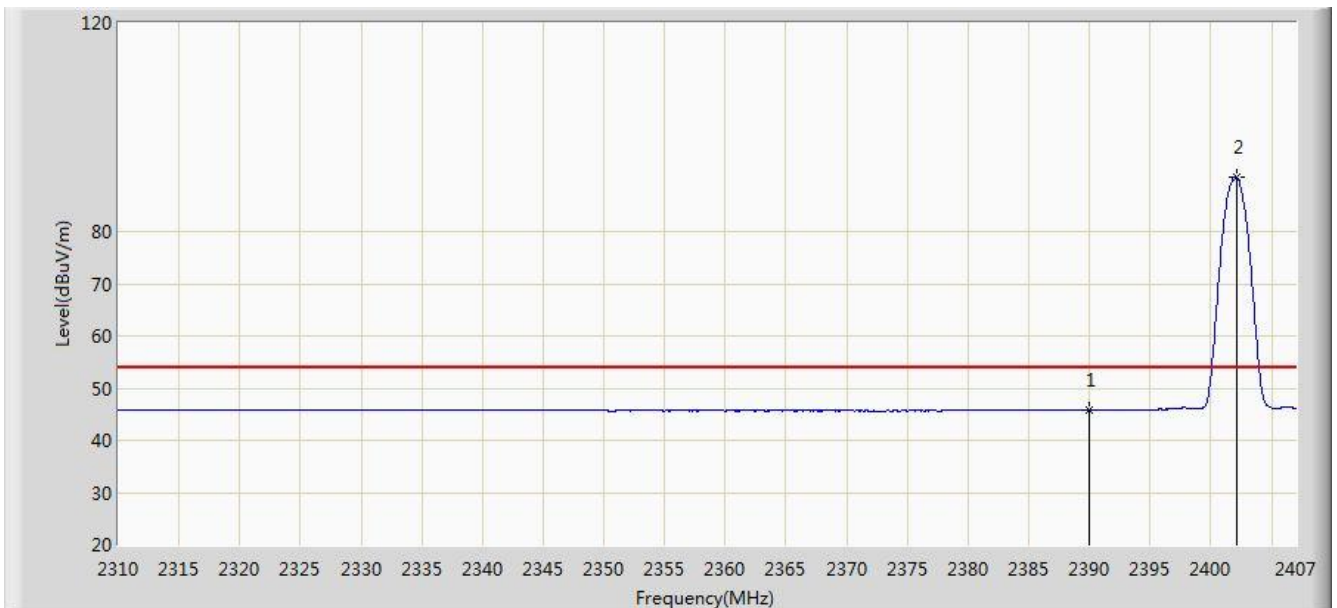


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2311.989	60.917	28.481	-13.083	74.000	32.436	PK
2			2390.000	58.772	26.494	-15.228	74.000	32.278	PK
3		*	2402.102	102.463	70.190	N/A	N/A	32.273	PK

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

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

Site: AC2	Time: 2016/12/24 - 12:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

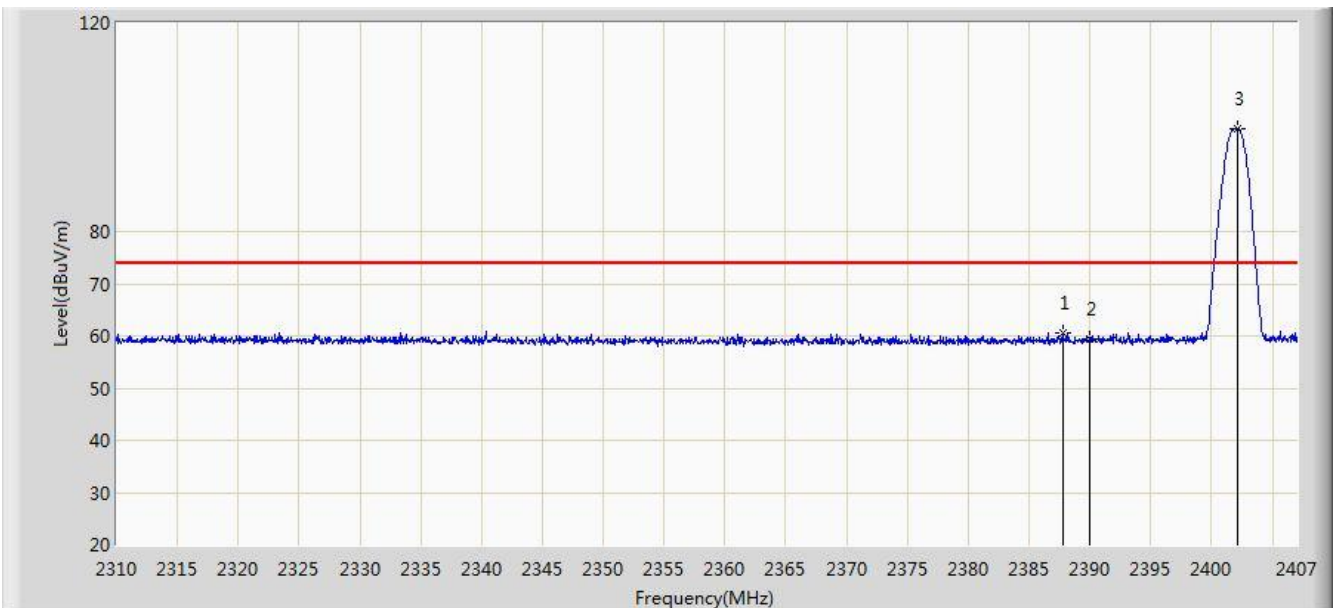


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.840	13.562	-8.160	54.000	32.278	AV
2		*	2402.102	90.438	58.165	N/A	N/A	32.273	AV

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

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

Site: AC2	Time: 2016/12/24 - 12:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

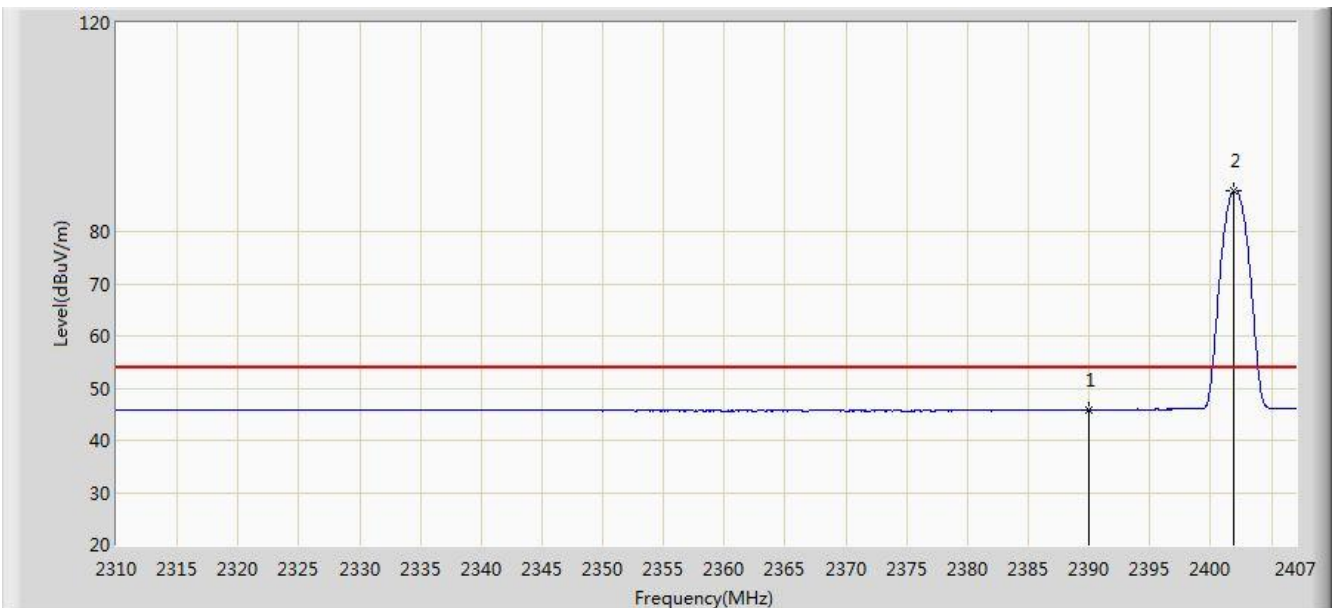


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.746	60.449	28.183	-13.551	74.000	32.266	PK
2			2390.000	59.435	27.157	-14.565	74.000	32.278	PK
3		*	2402.150	99.664	67.391	N/A	N/A	32.273	PK

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

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

Site: AC2	Time: 2016/12/24 - 12:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

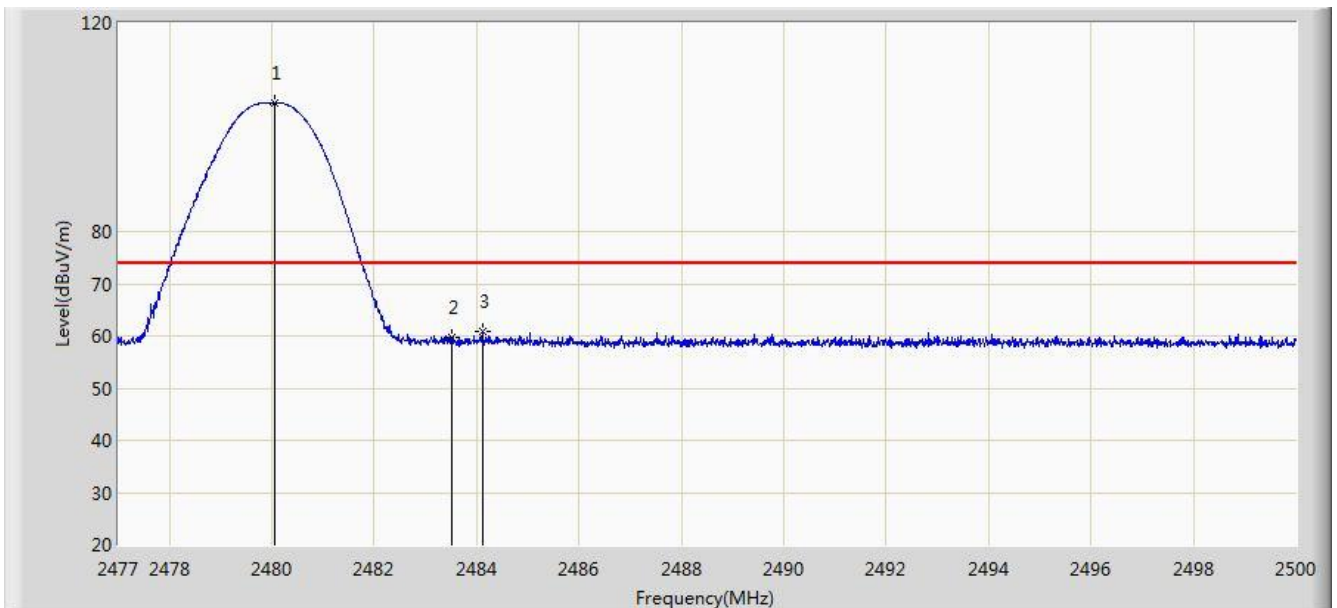


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.804	13.526	-8.196	54.000	32.278	AV
2		*	2401.907	87.929	55.655	N/A	N/A	32.274	AV

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

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

Site: AC2	Time: 2016/12/24 - 12:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

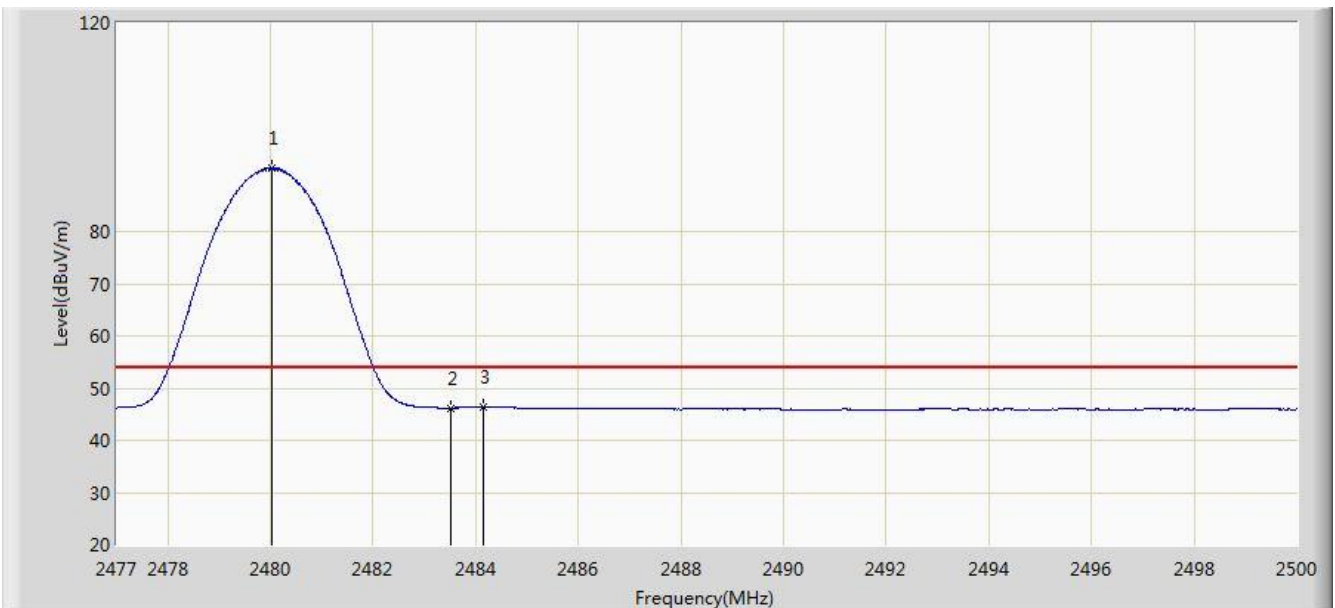


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.059	104.578	72.309	N/A	N/A	32.269	PK
2			2483.500	59.629	27.348	-14.371	74.000	32.282	PK
3			2484.118	60.728	28.445	-13.272	74.000	32.284	PK

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

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

Site: AC2	Time: 2016/12/24 - 12:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

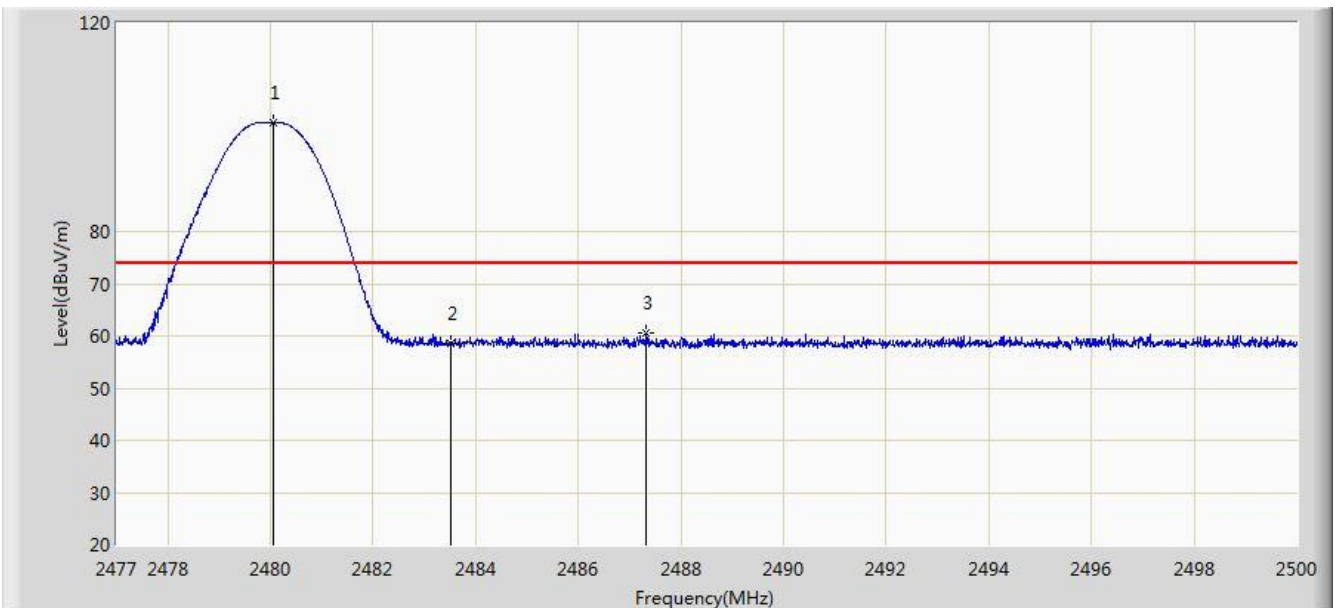


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	92.111	59.842	N/A	N/A	32.269	AV
2			2483.500	46.207	13.926	-7.793	54.000	32.282	AV
3			2484.142	46.396	14.113	-7.604	54.000	32.284	AV

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

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

Site: AC2	Time: 2016/12/24 - 12:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	



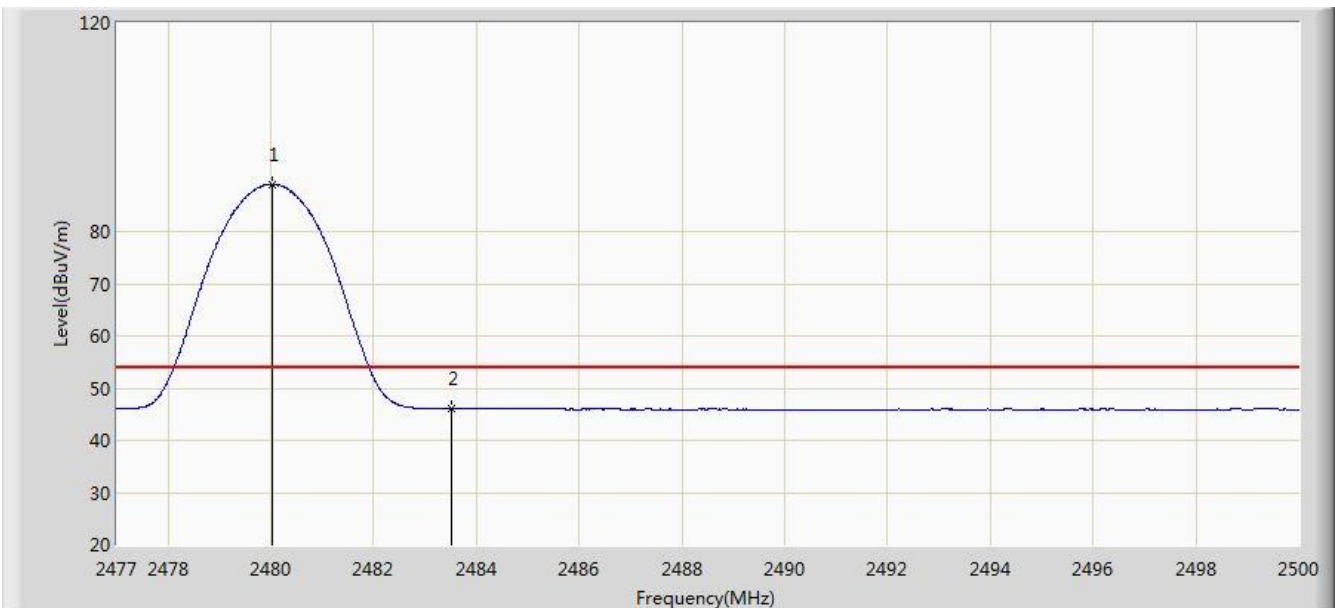
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.059	100.916	68.647	N/A	N/A	32.269	PK
2			2483.500	58.463	26.182	-15.537	74.000	32.282	PK
3			2487.327	60.554	28.260	-13.446	74.000	32.295	PK

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

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



Site: AC2	Time: 2016/12/24 - 12:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

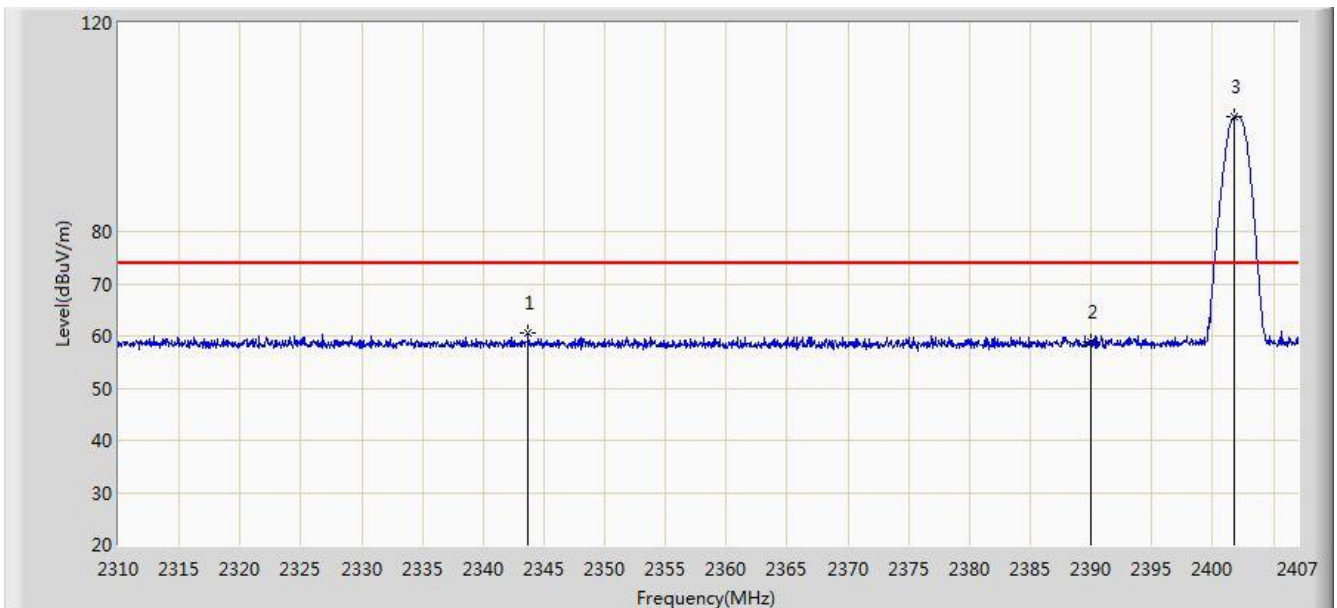


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	89.071	56.802	N/A	N/A	32.269	AV
2			2483.500	46.043	13.762	-7.957	54.000	32.282	AV

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

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

Site: AC2	Time: 2016/12/24 - 12:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

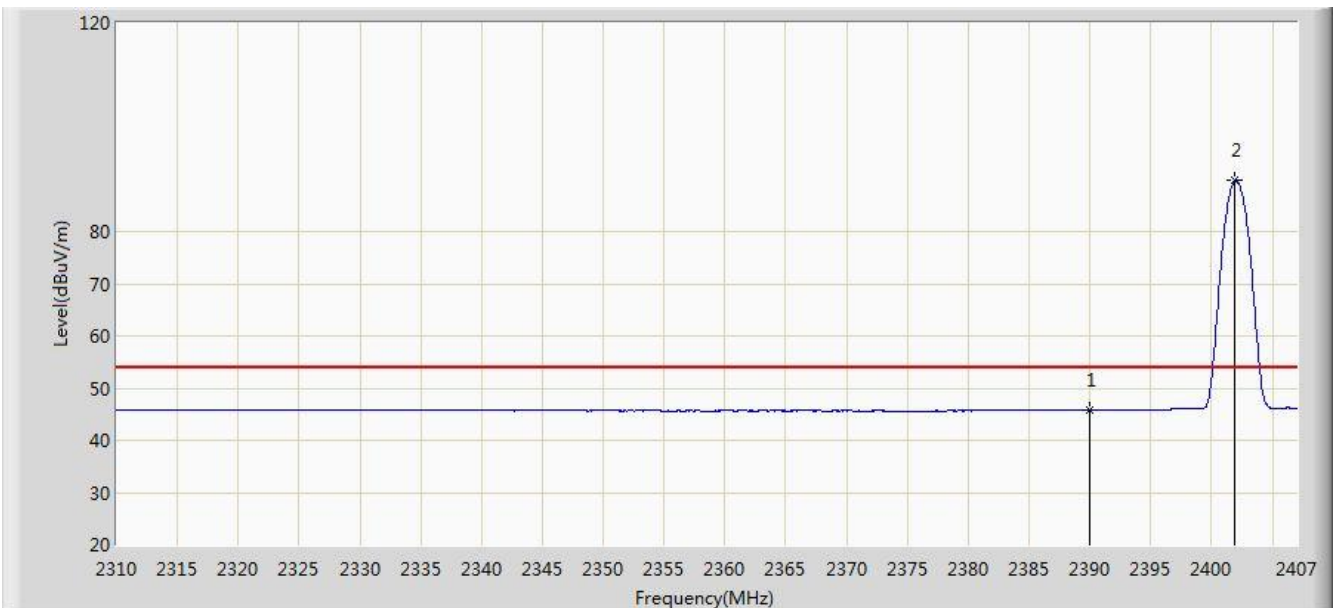


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2343.659	60.538	28.237	-13.462	74.000	32.300	PK
2			2390.000	58.726	26.448	-15.274	74.000	32.278	PK
3		*	2401.811	102.055	69.781	N/A	N/A	32.274	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

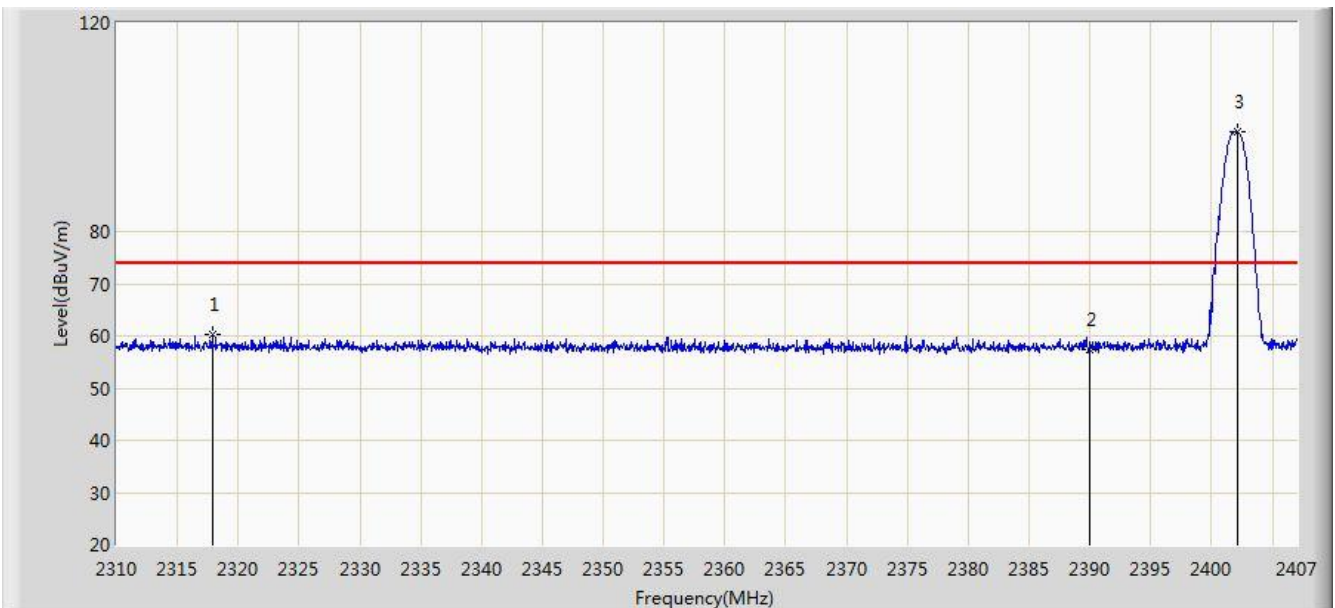


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.777	13.499	-8.223	54.000	32.278	AV
2		*	2401.907	89.781	57.507	N/A	N/A	32.274	AV

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

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

Site: AC2	Time: 2016/12/24 - 14:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

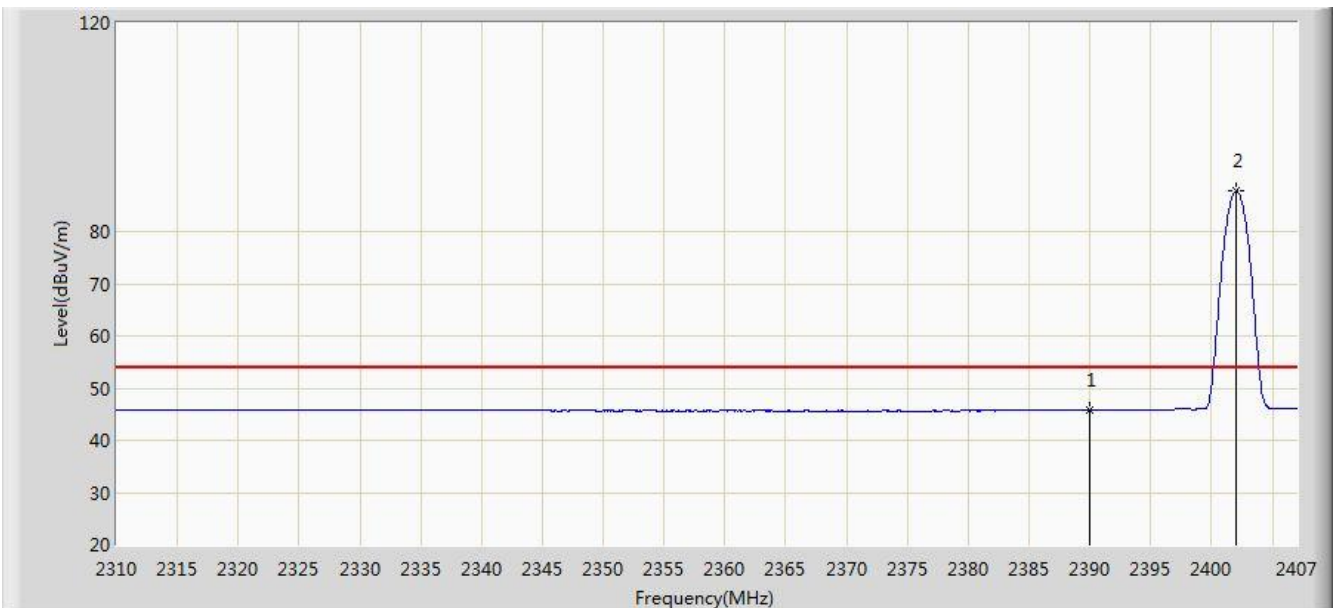


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2317.857	60.389	27.976	-13.611	74.000	32.413	PK
2			2390.000	57.329	25.051	-16.671	74.000	32.278	PK
3		*	2402.150	99.048	66.775	N/A	N/A	32.273	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

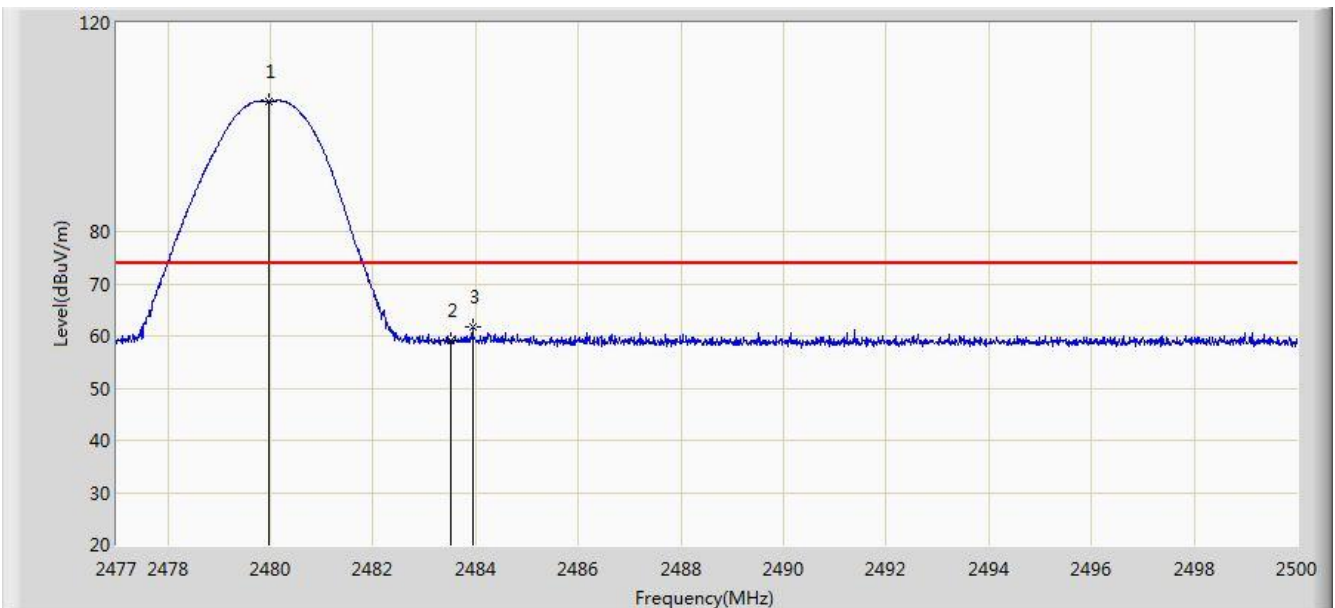


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.782	13.504	-8.218	54.000	32.278	AV
2		*	2401.956	87.738	55.464	N/A	N/A	32.274	AV

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

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

Site: AC2	Time: 2016/12/24 - 14:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

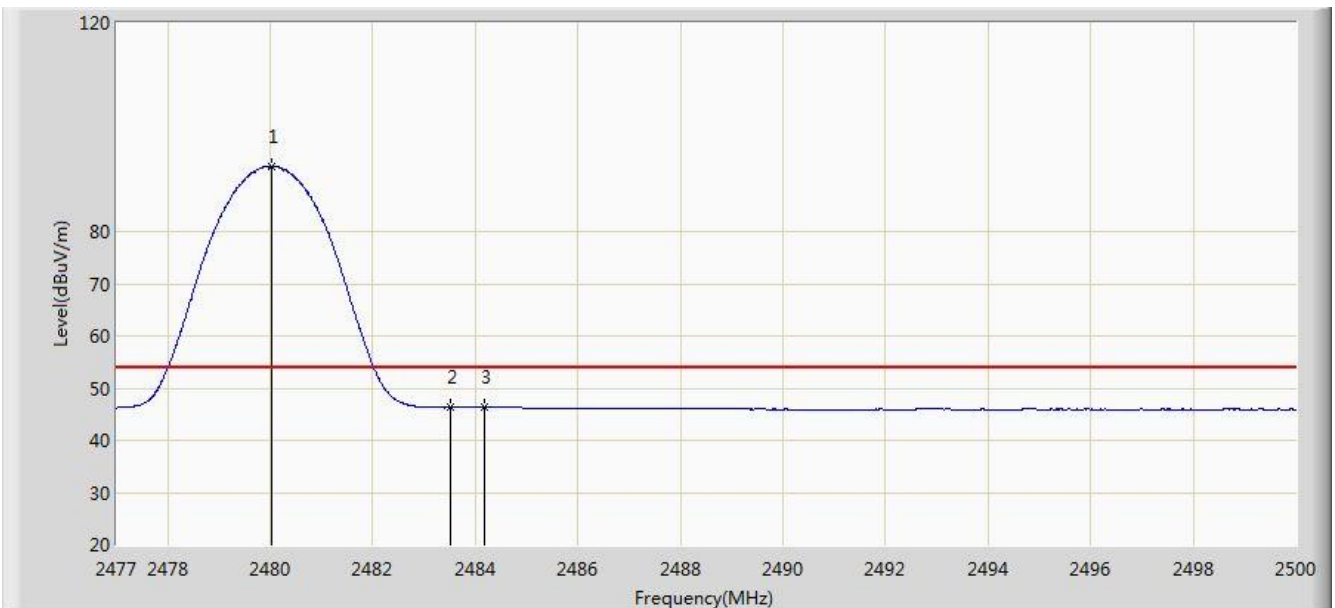


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.956	105.056	72.787	N/A	N/A	32.269	PK
2			2483.500	59.095	26.814	-14.905	74.000	32.282	PK
3			2483.935	61.782	29.499	-12.218	74.000	32.282	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	



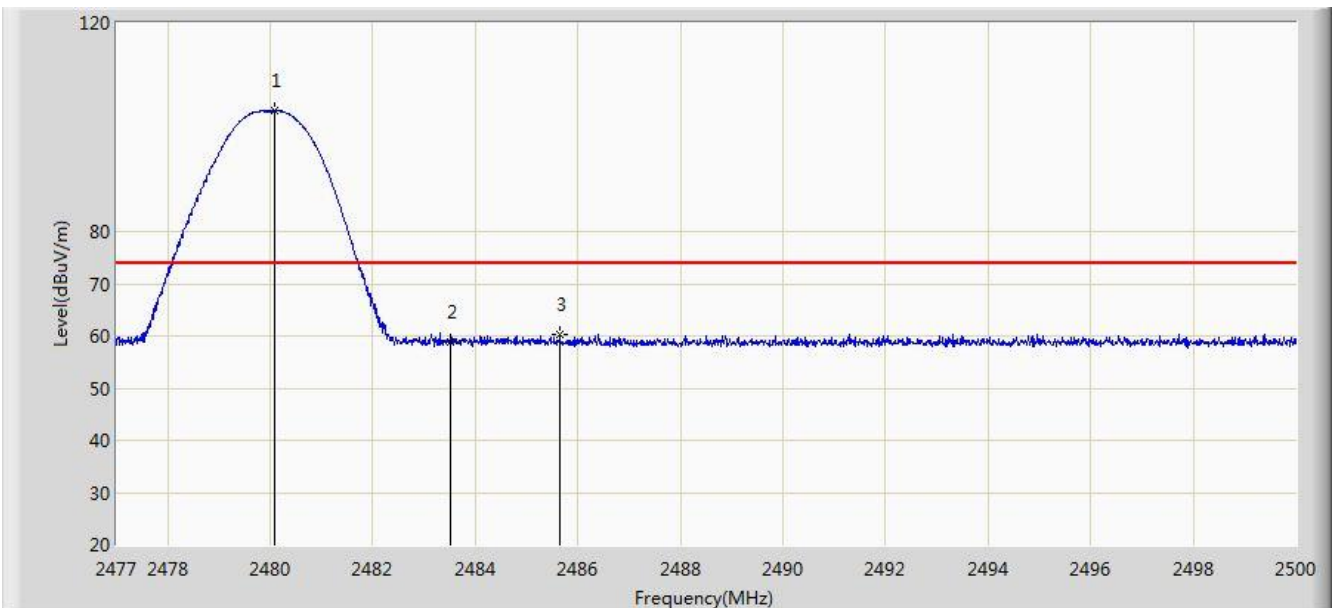
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.024	92.558	60.289	N/A	N/A	32.269	AV
2			2483.500	46.240	13.959	-7.760	54.000	32.282	AV
3			2484.176	46.465	14.181	-7.535	54.000	32.284	AV

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

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



Site: AC2	Time: 2016/12/24 - 14:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

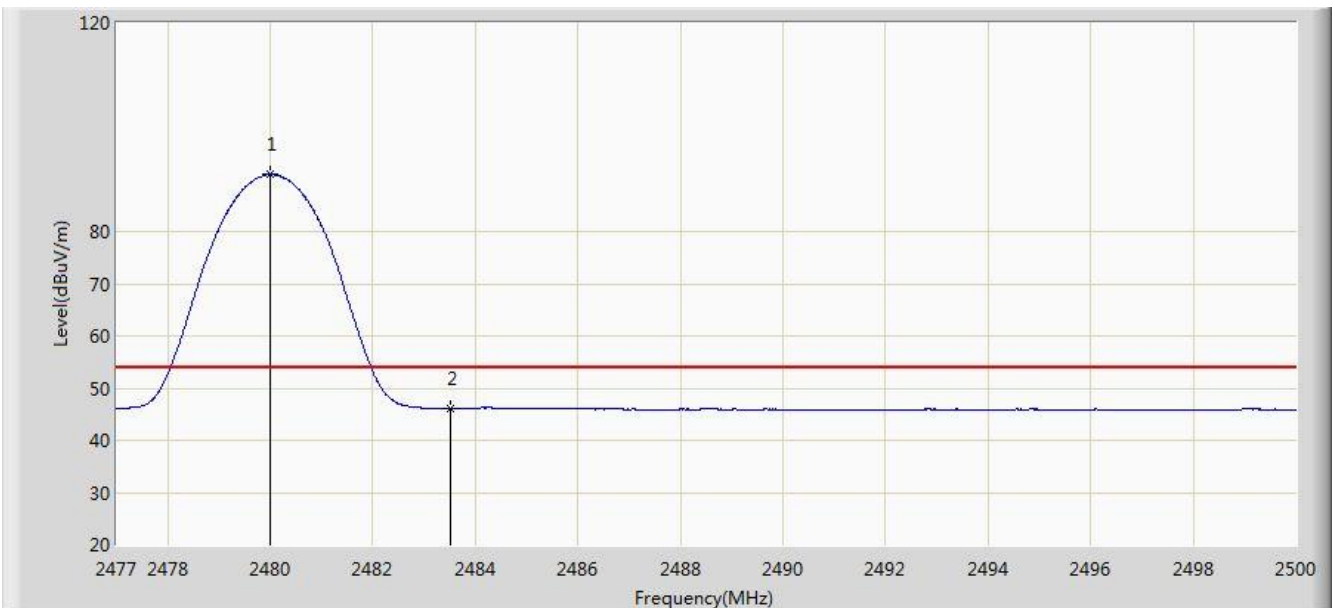


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.094	103.095	70.826	N/A	N/A	32.269	PK
2			2483.500	58.869	26.588	-15.131	74.000	32.282	PK
3			2485.648	60.171	27.882	-13.829	74.000	32.288	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

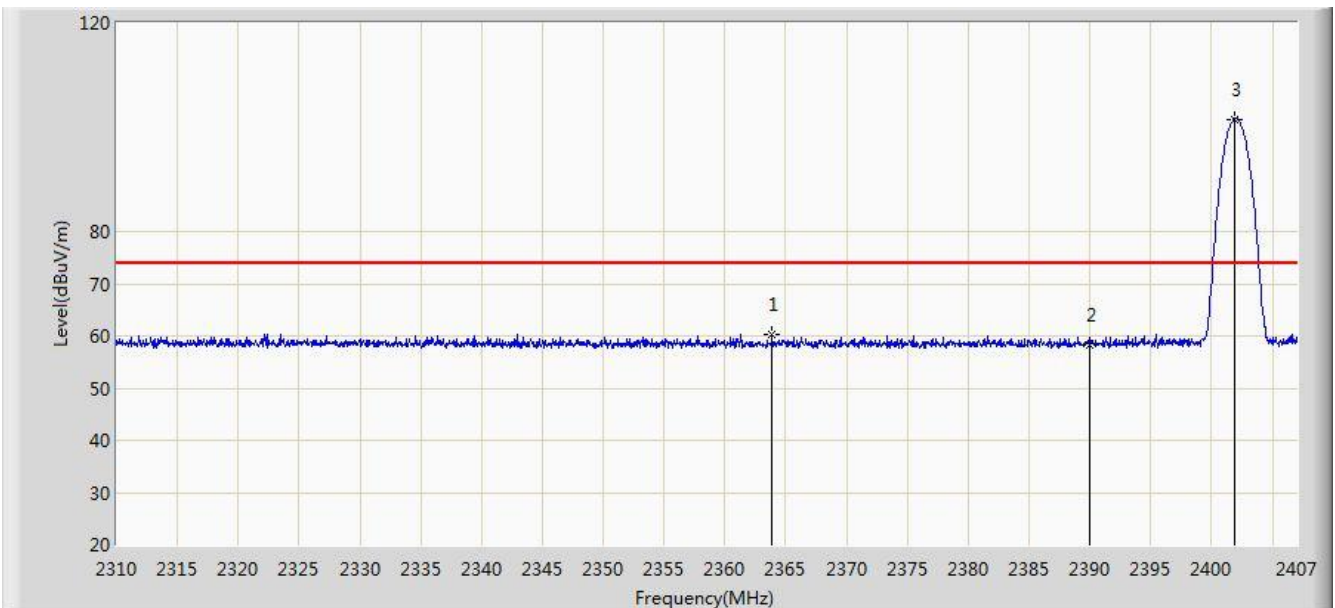


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	90.926	58.657	N/A	N/A	32.269	AV
2			2483.500	46.107	13.826	-7.893	54.000	32.282	AV

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

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

Site: AC2	Time: 2016/12/24 - 14:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

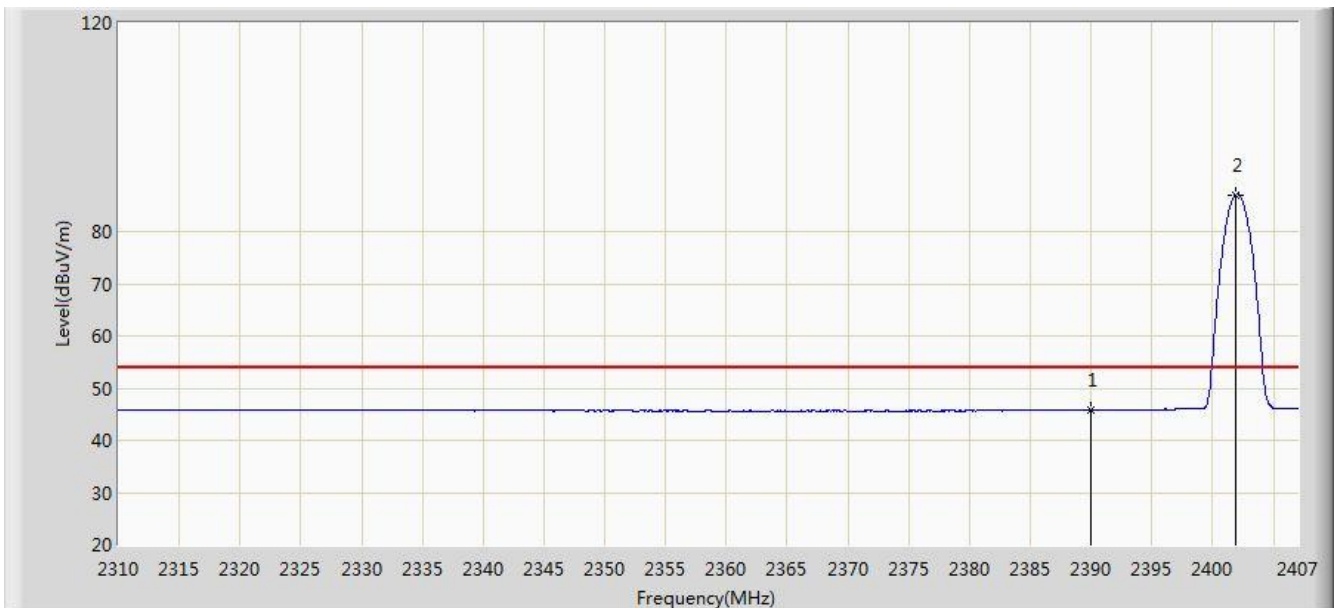


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2363.884	60.212	27.972	-13.788	74.000	32.240	PK
2			2390.000	58.373	26.095	-15.627	74.000	32.278	PK
3		*	2401.859	101.565	69.291	N/A	N/A	32.274	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

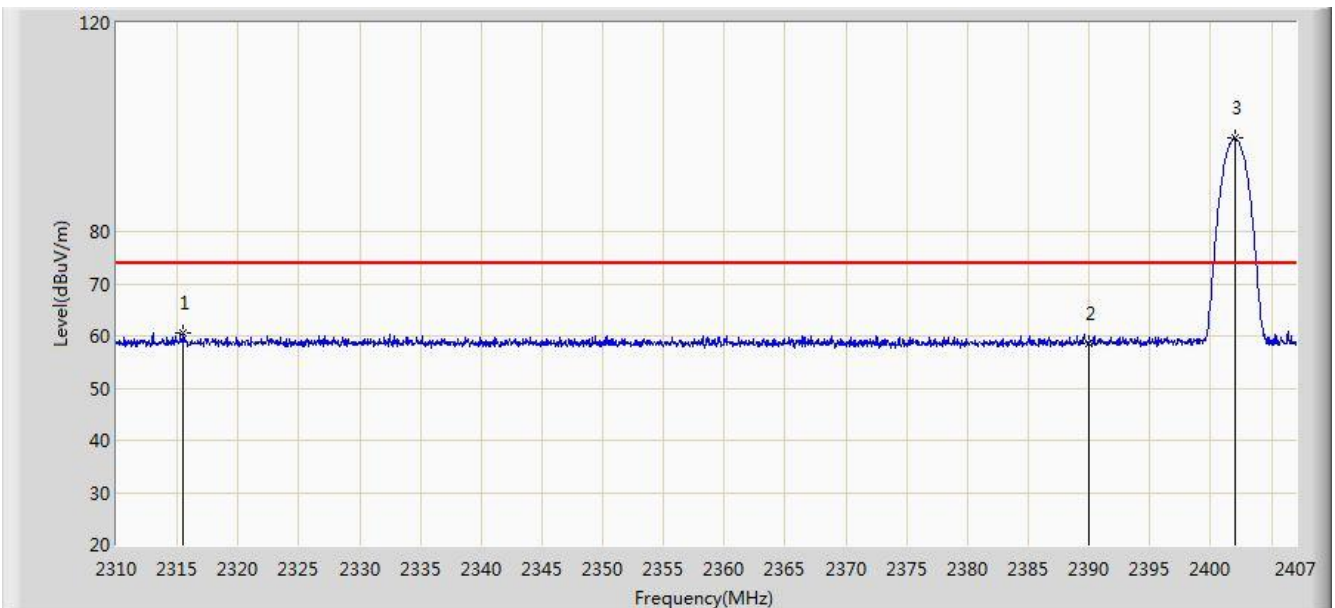


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.762	13.484	-8.238	54.000	32.278	AV
2		*	2401.859	87.009	54.735	N/A	N/A	32.274	AV

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

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

Site: AC2	Time: 2016/12/24 - 14:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

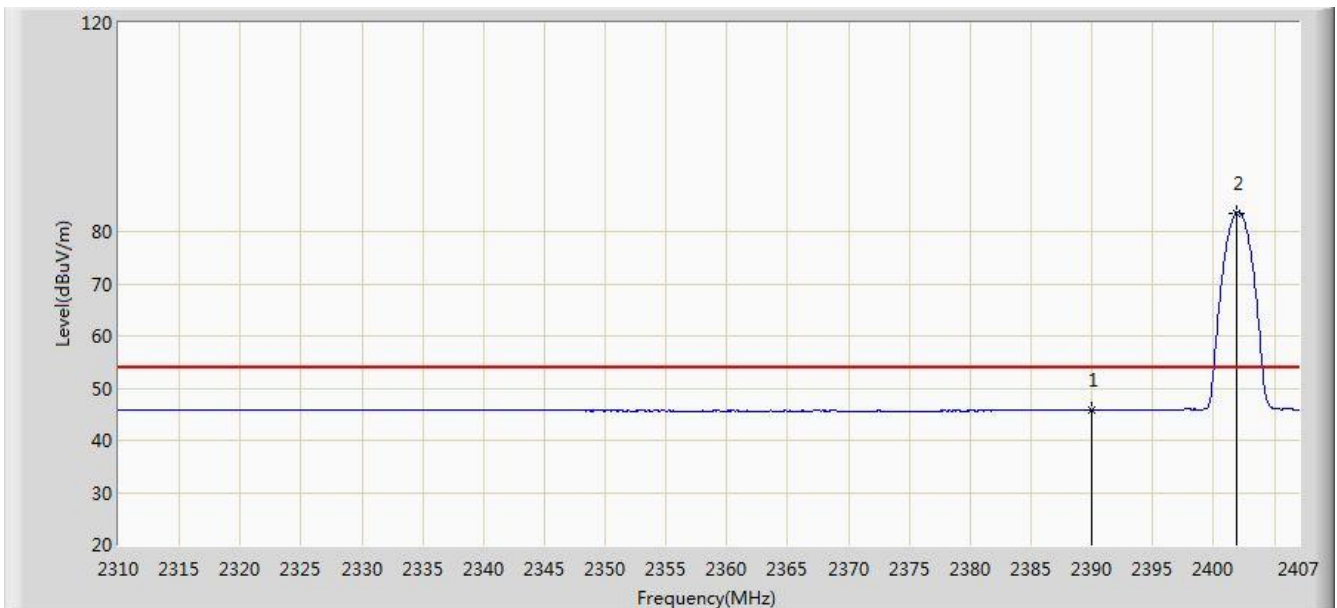


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2315.529	60.715	28.293	-13.285	74.000	32.422	PK
2			2390.000	58.553	26.275	-15.447	74.000	32.278	PK
3		*	2401.956	97.901	65.627	N/A	N/A	32.274	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

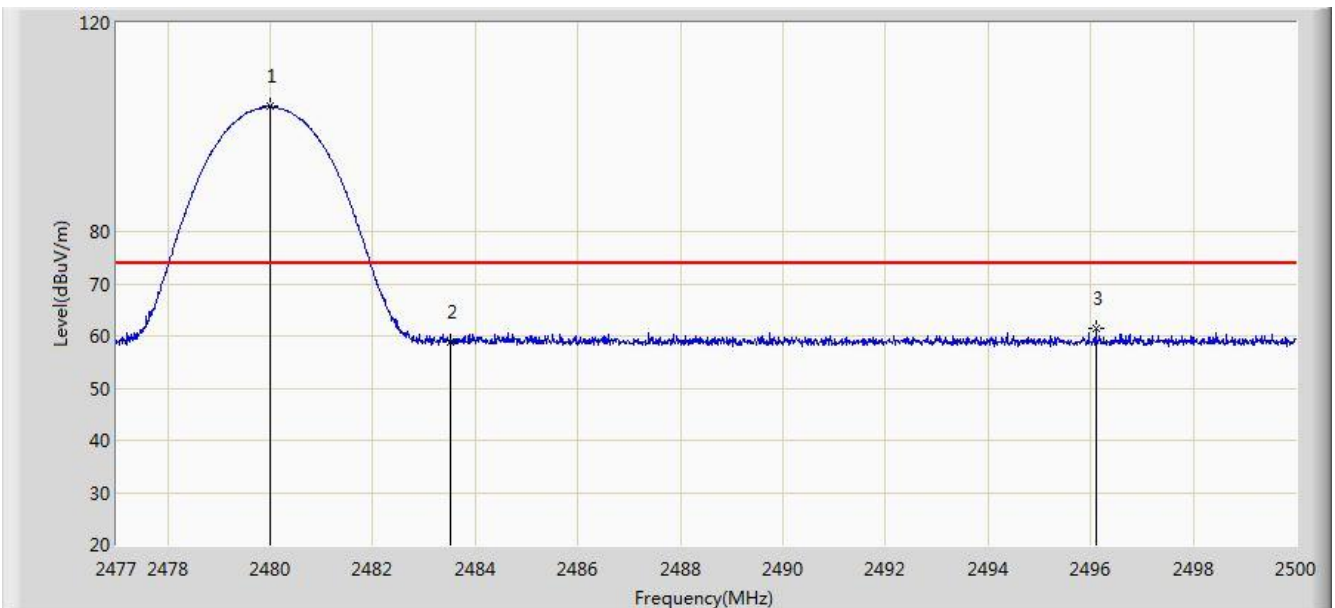


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.798	13.520	-8.202	54.000	32.278	AV
2		*	2401.859	83.607	51.333	N/A	N/A	32.274	AV

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

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

Site: AC2	Time: 2016/12/24 - 14:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

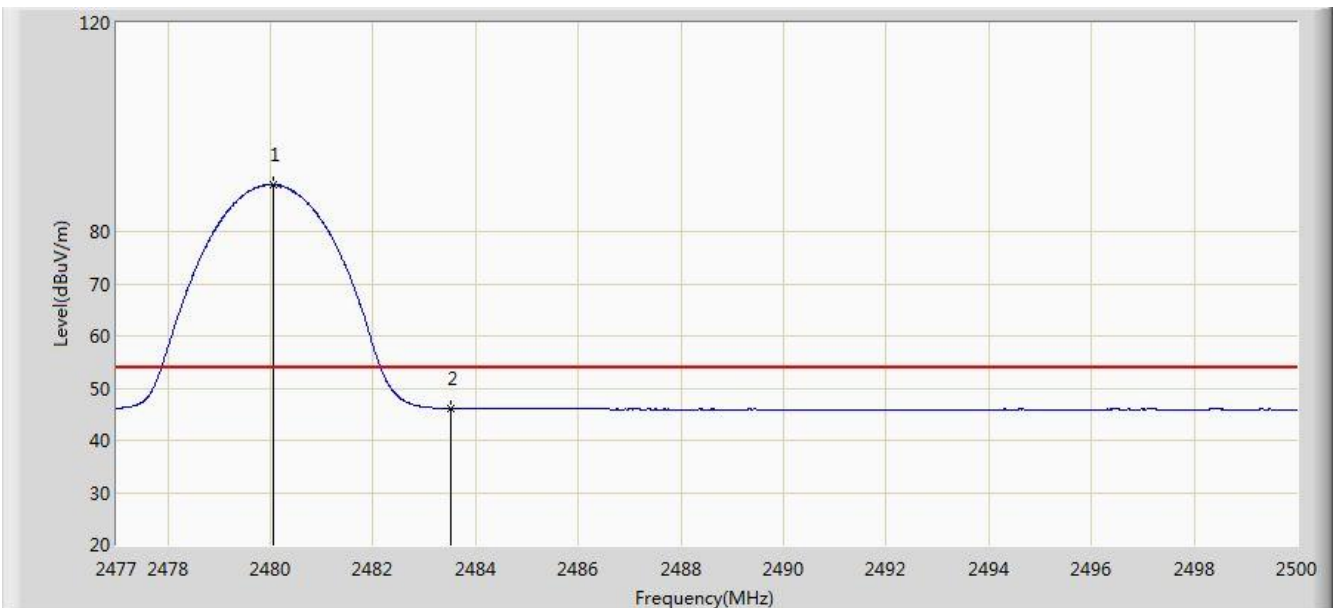


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	103.940	71.671	N/A	N/A	32.269	PK
2			2483.500	58.726	26.445	-15.274	74.000	32.282	PK
3			2496.102	61.516	29.192	-12.484	74.000	32.324	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	



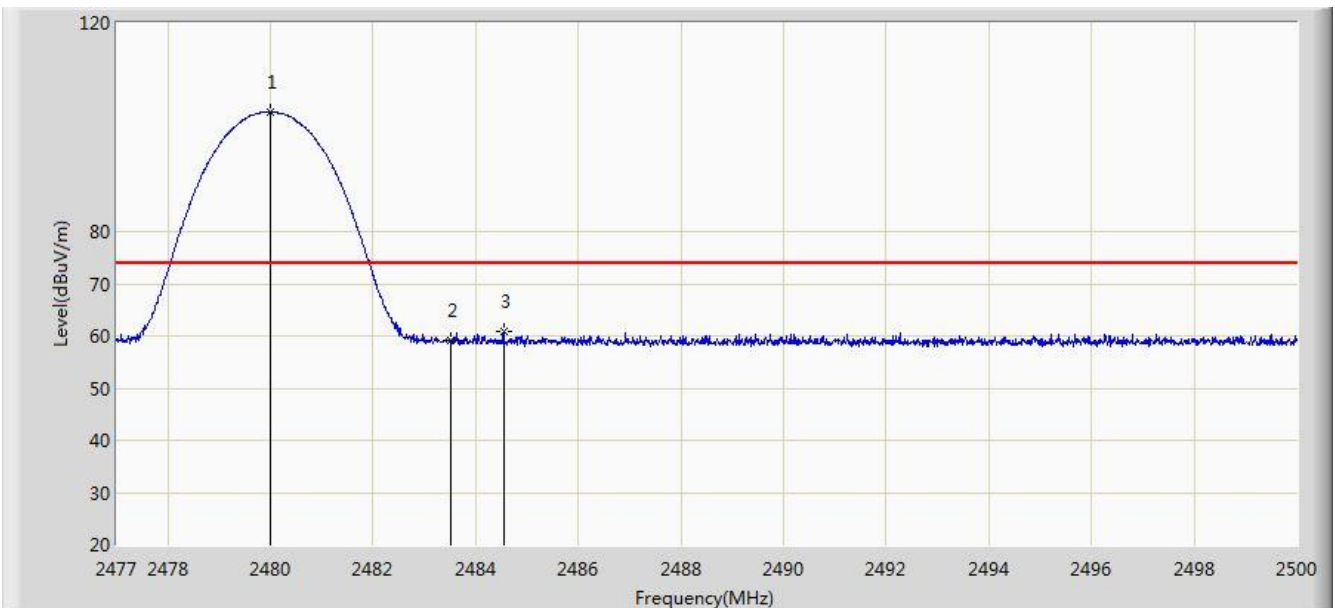
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.059	89.007	56.738	N/A	N/A	32.269	AV
2			2483.500	46.123	13.842	-7.877	54.000	32.282	AV

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

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



Site: AC2	Time: 2016/12/24 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

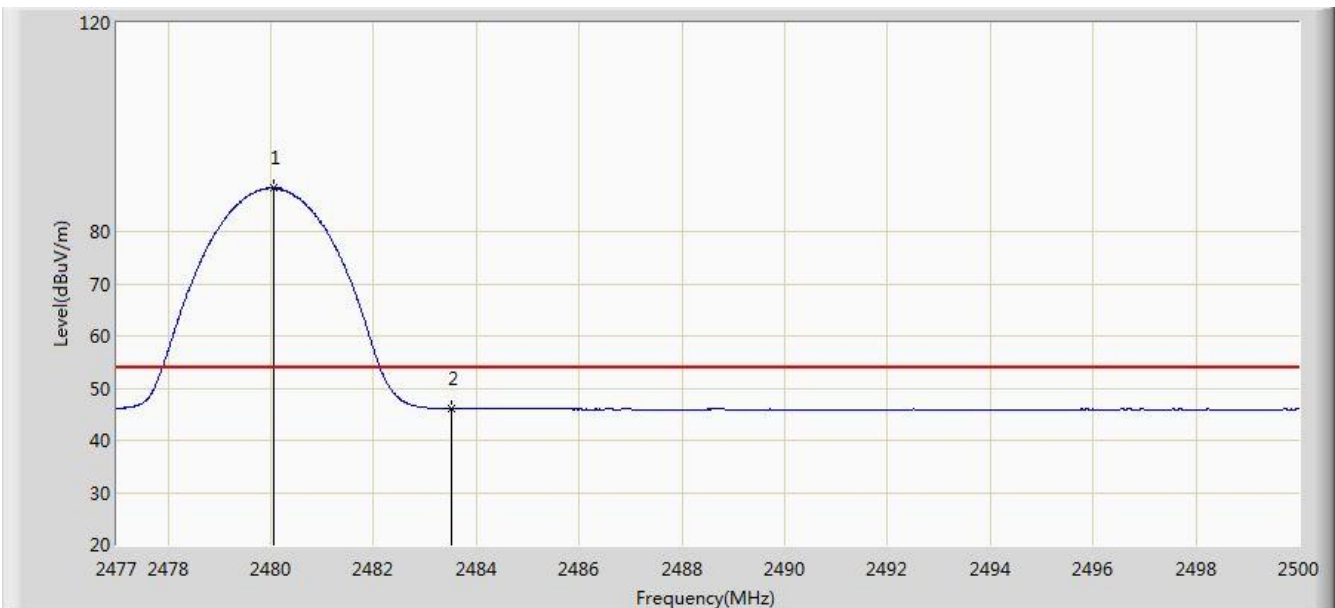


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	103.026	70.757	N/A	N/A	32.269	PK
2			2483.500	59.183	26.902	-14.817	74.000	32.282	PK
3			2484.544	60.967	28.682	-13.033	74.000	32.285	PK

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

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

Site: AC2	Time: 2016/12/24 - 14:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: MID	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		*	2480.059	88.309	56.040	N/A	N/A	32.269	AV
2			2483.500	46.087	13.806	-7.913	54.000	32.282	AV

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

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

## 7.11. AC Conducted Emissions Measurement

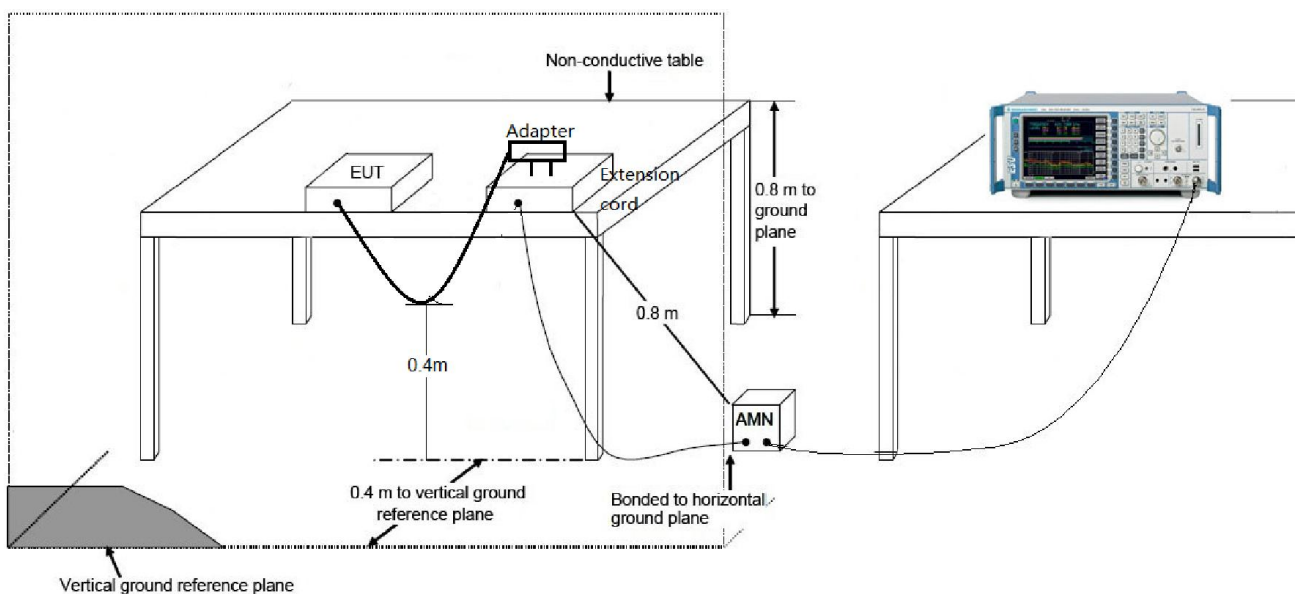
### 7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits		
Frequency (MHz)	QP (dB $\mu$ V)	Average (dB $\mu$ 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.

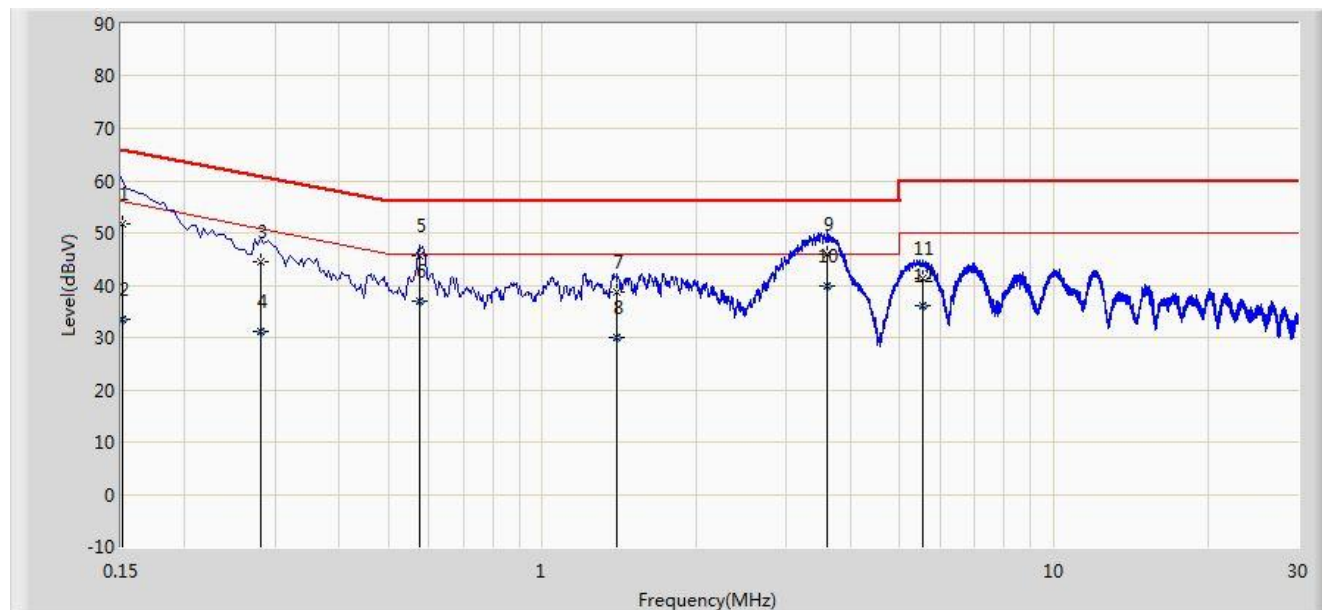
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.11.2. Test Setup



### 7.11.3. Test Result

<b>8. Site: SR2</b>	Time: 2017/03/23 - 14:05
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: MID	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> Transmit by 2DH5 at Channel 2402MHz	

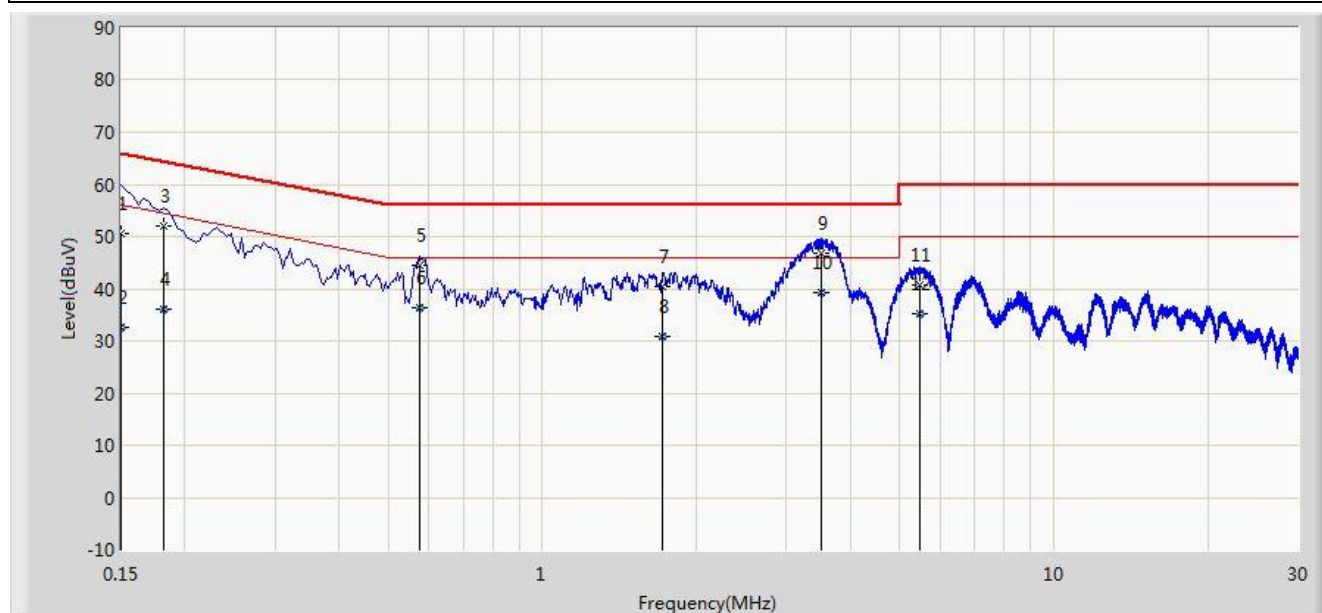


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.151	51.609	40.573	-14.323	65.932	11.036	QP
2			0.151	33.434	22.399	-22.498	55.932	11.036	AV
3			0.282	44.380	34.391	-16.376	60.757	9.990	QP
4			0.282	31.016	21.026	-19.741	50.757	9.990	AV
5			0.574	45.541	35.413	-10.459	56.000	10.128	QP
6			0.574	36.959	26.831	-9.041	46.000	10.128	AV
7			1.398	38.768	28.875	-17.232	56.000	9.893	QP
8			1.398	30.054	20.162	-15.946	46.000	9.893	AV
9			3.602	46.064	36.146	-9.936	56.000	9.917	QP
10		*	3.602	39.736	29.819	-6.264	46.000	9.917	AV
11			5.554	41.173	31.101	-18.827	60.000	10.072	QP
12			5.554	36.163	26.091	-13.837	50.000	10.072	AV

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

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

Site: SR2	Time: 2017/03/23 - 14:12
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: MID	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> Transmit by 2DH5 at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	50.491	39.349	-15.509	66.000	11.142	QP
2			0.150	32.568	21.426	-23.432	56.000	11.142	AV
3			0.182	52.148	42.106	-12.245	64.394	10.042	QP
4			0.182	36.000	25.958	-18.394	54.394	10.042	AV
5			0.574	44.497	34.351	-11.503	56.000	10.145	QP
6			0.574	36.405	26.259	-9.595	46.000	10.145	AV
7			1.718	40.505	30.623	-15.495	56.000	9.882	QP
8			1.718	30.776	20.894	-15.224	46.000	9.882	AV
9			3.502	46.783	36.868	-9.217	56.000	9.915	QP
10		*	3.502	39.139	29.225	-6.861	46.000	9.915	AV
11			5.458	40.586	30.503	-19.414	60.000	10.083	QP
12			5.458	35.182	25.099	-14.818	50.000	10.083	AV

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

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

## 9. CONCLUSION

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

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The End