

### 7.5.5. Test Result

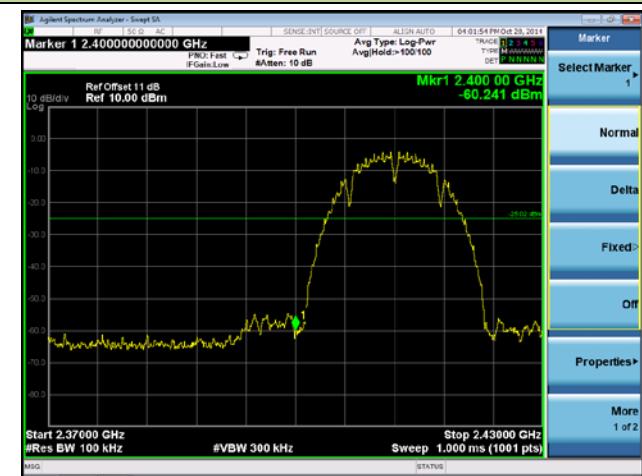
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
802.11b	1	01	2412	20dBc	Pass
802.11b	1	06	2437	20dBc	Pass
802.11b	1	11	2462	20dBc	Pass
802.11g	6	01	2412	20dBc	Pass
802.11g	6	06	2437	20dBc	Pass
802.11g	6	11	2462	20dBc	Pass
802.11n-HT20	6.5	01	2412	20dBc	Pass
802.11n-HT20	6.5	06	2437	20dBc	Pass
802.11n-HT20	6.5	11	2462	20dBc	Pass
802.11n-HT40	13.5	03	2422	20dBc	Pass
802.11n-HT40	13.5	06	2437	20dBc	Pass
802.11n-HT40	13.5	09	2452	20dBc	Pass
BLE	1	00	2402	20dBc	Pass
BLE	1	19	2440	20dBc	Pass
BLE	1	39	2480	20dBc	Pass

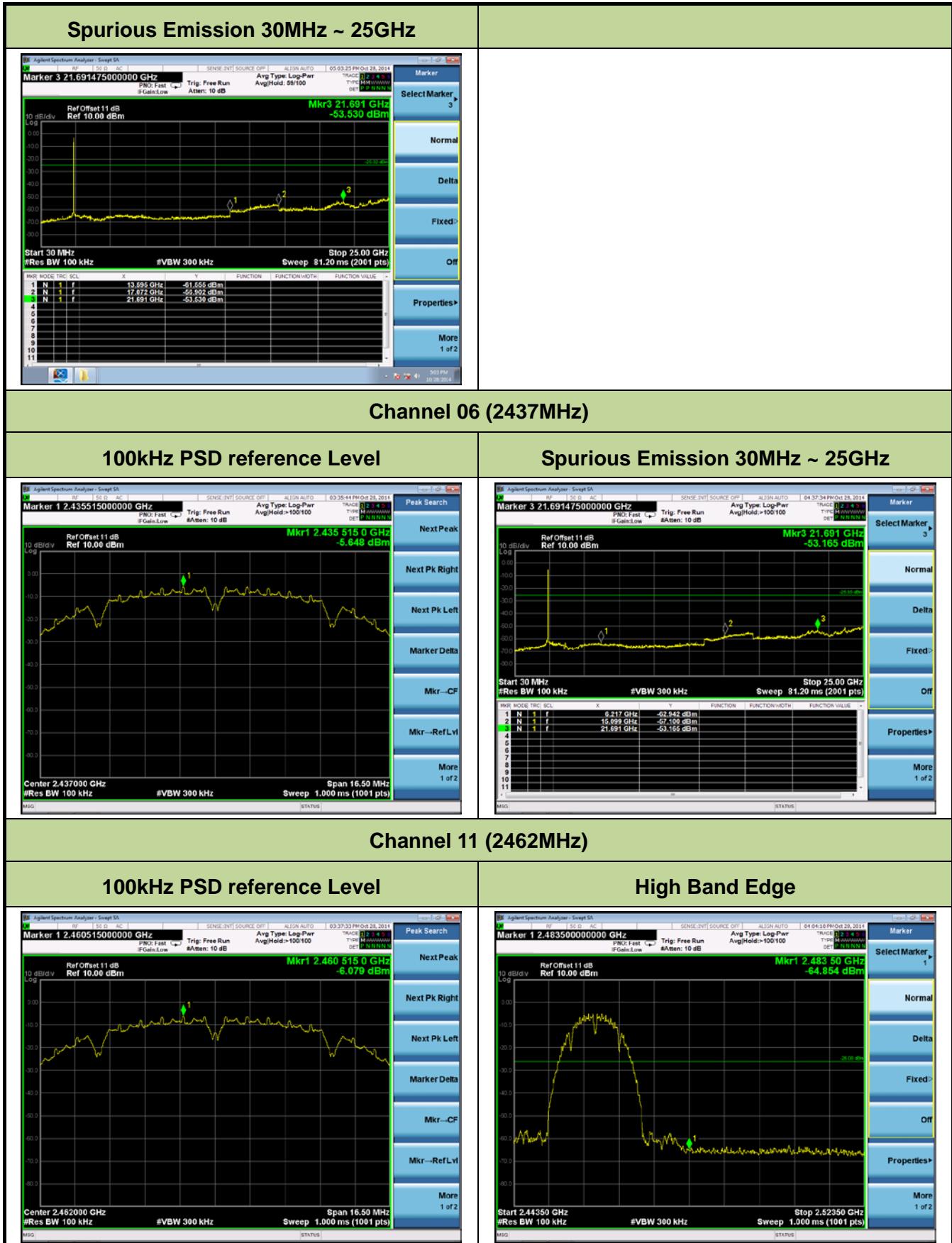
### 802.11b Out-of-Band Emissions

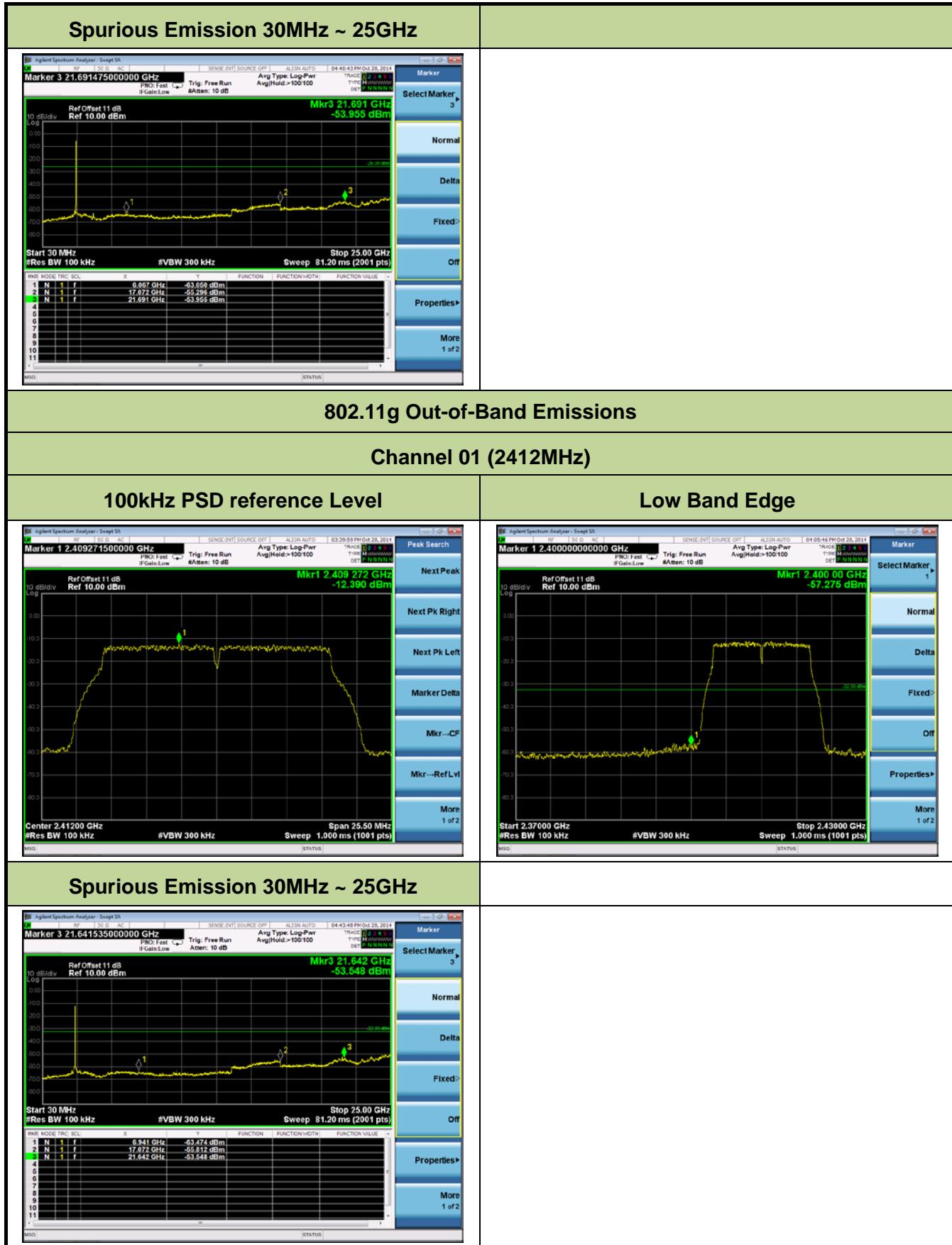
#### Channel 01 (2412MHz)

##### 100kHz PSD reference Level

##### Low Band Edge







### Channel 06 (2437MHz)

#### 100kHz PSD reference Level

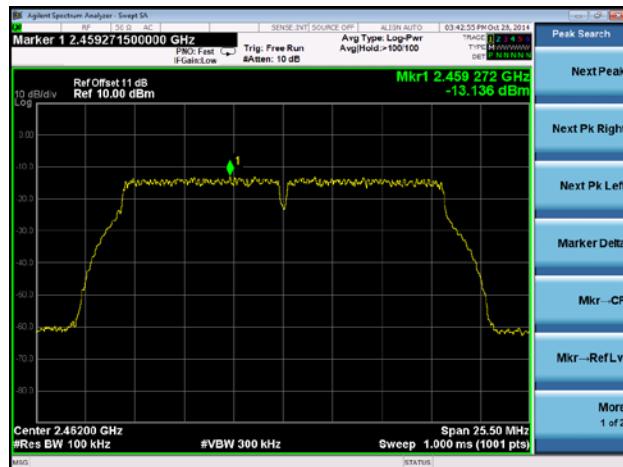


#### Spurious Emission 30MHz ~ 25GHz



### Channel 11 (2462MHz)

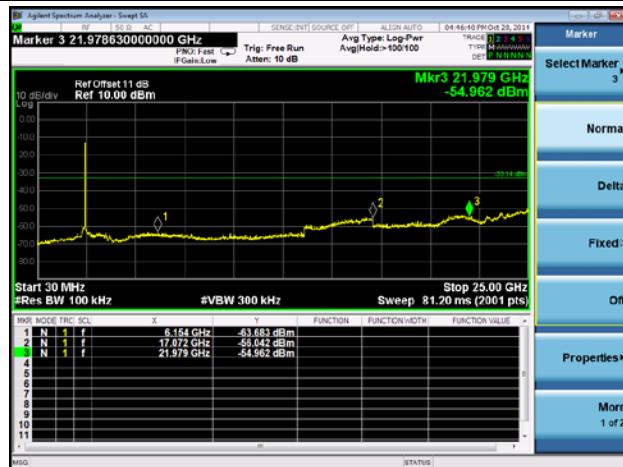
#### 100kHz PSD reference Level



#### High Band Edge



#### Spurious Emission 30MHz ~ 25GHz



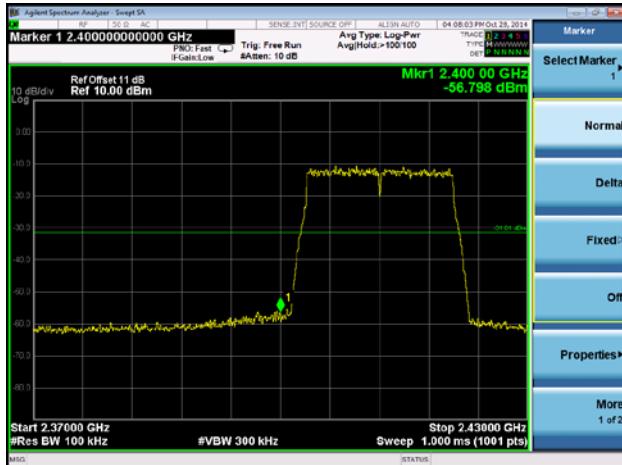
## 802.11n-HT20 Out-of-Band Emissions

### Channel 01 (2412MHz)

#### 100kHz PSD reference Level



#### Low Band Edge

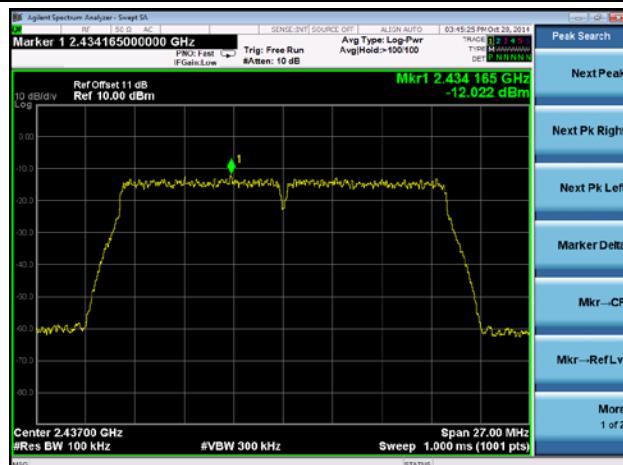


### Spurious Emission 30MHz ~ 25GHz

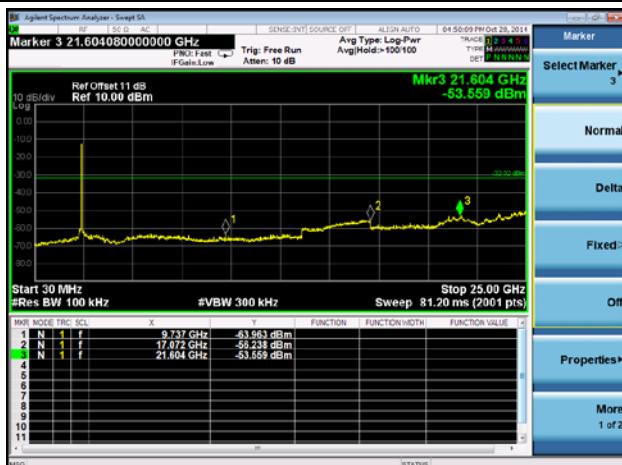


### Channel 06 (2437MHz)

#### 100kHz PSD reference Level

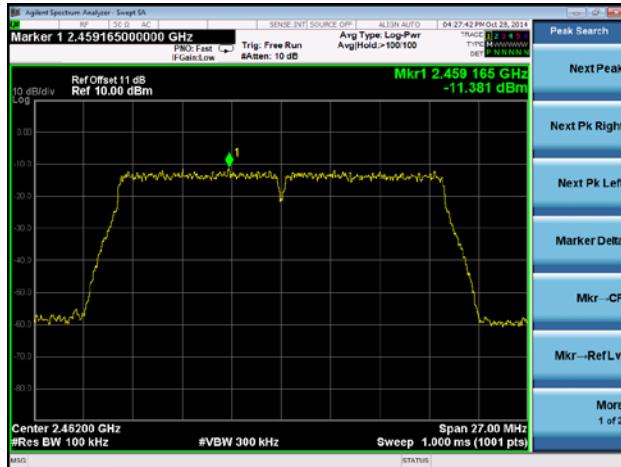


#### Spurious Emission 30MHz ~ 25GHz



## Channel 11 (2462MHz)

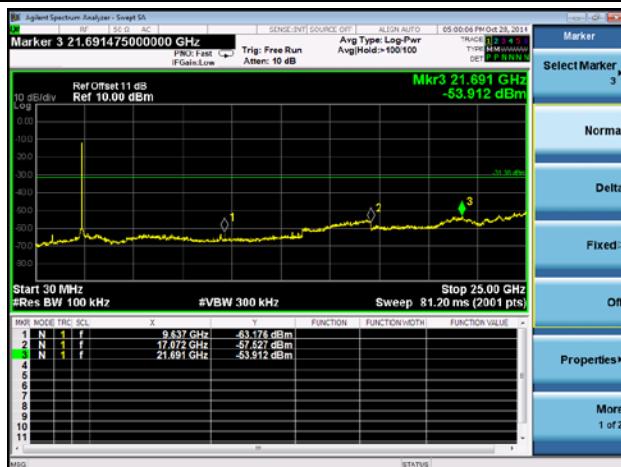
### 100kHz PSD reference Level



### High Band Edge



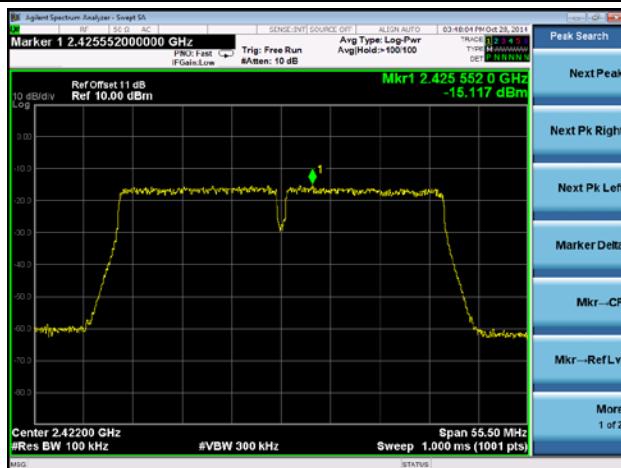
### Spurious Emission 30MHz ~ 25GHz



### 802.11n-HT40 Out-of-Band Emissions

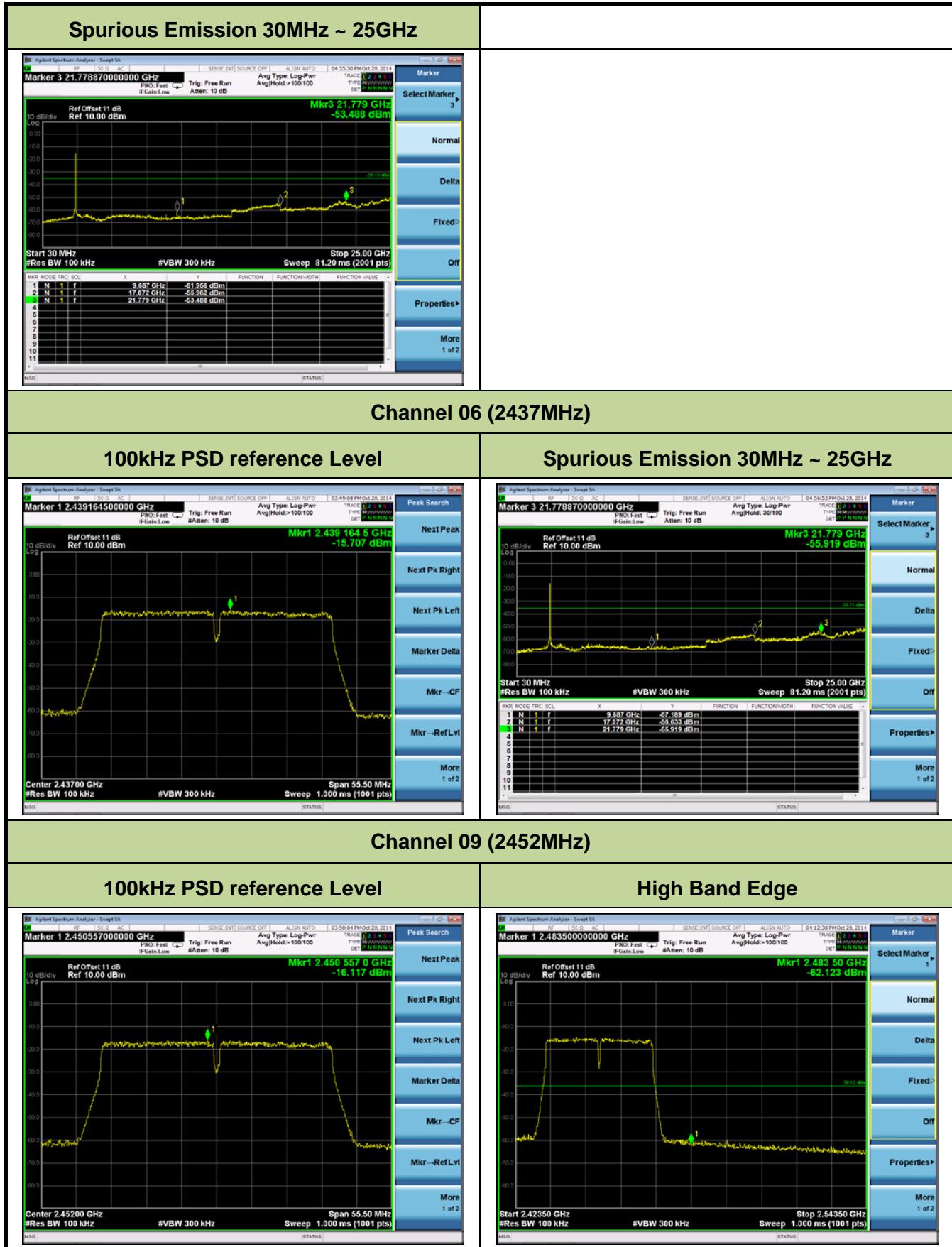
### Channel 03 (2422MHz)

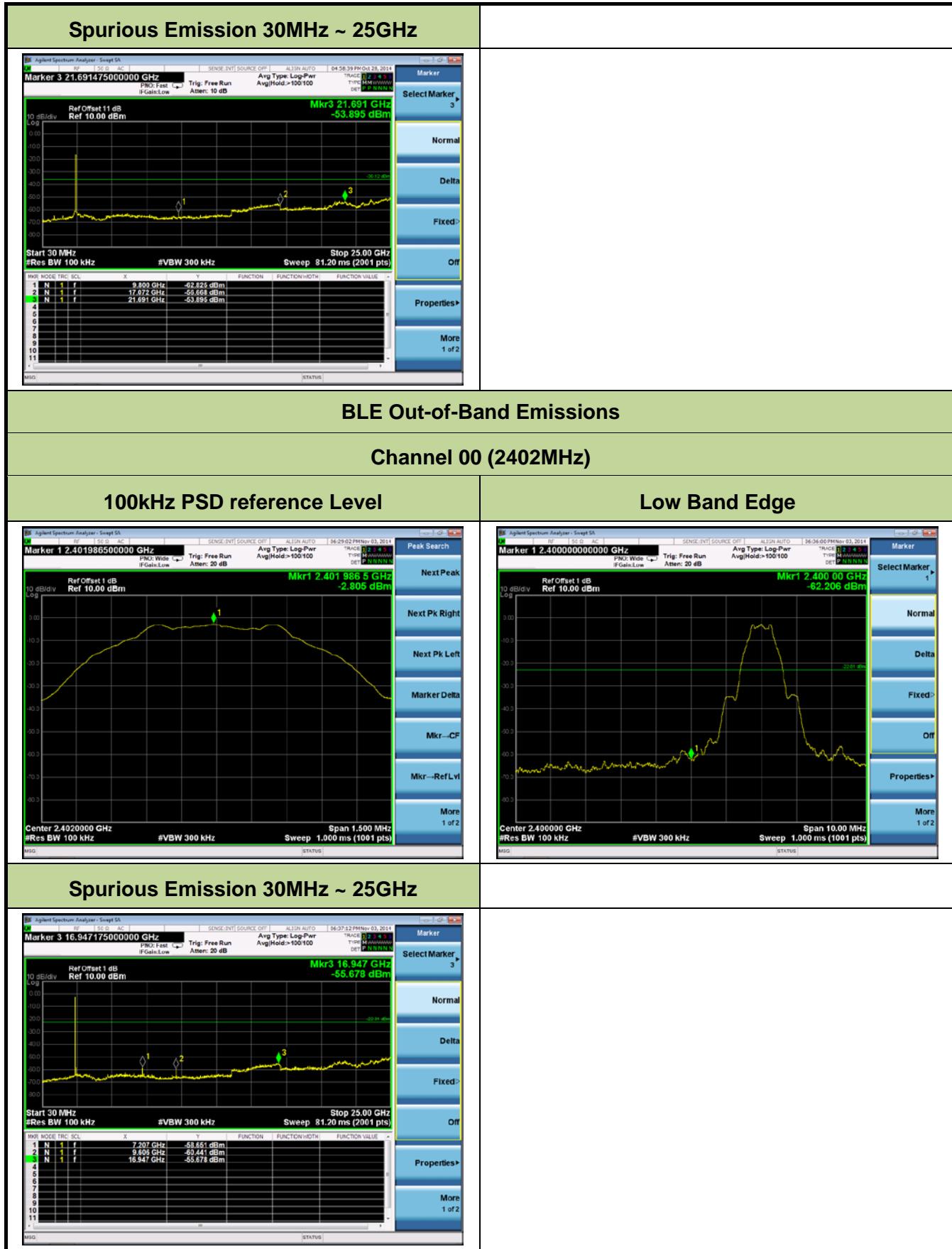
### 100kHz PSD reference Level



### Low Band Edge





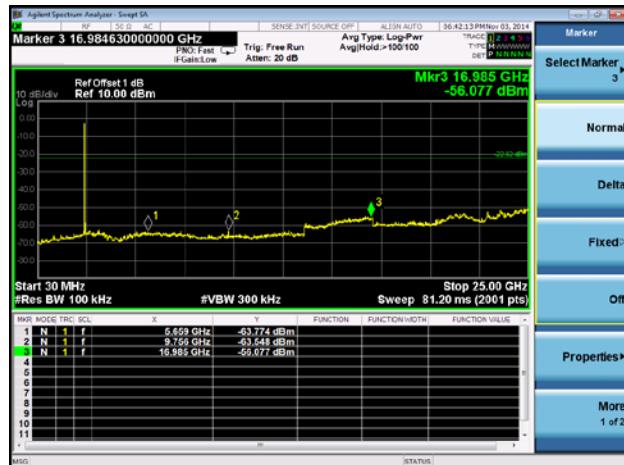


### Channel 19 (2440MHz)

#### 100kHz PSD reference Level



#### Spurious Emission 30MHz ~ 25GHz



### Channel 39 (2480MHz)

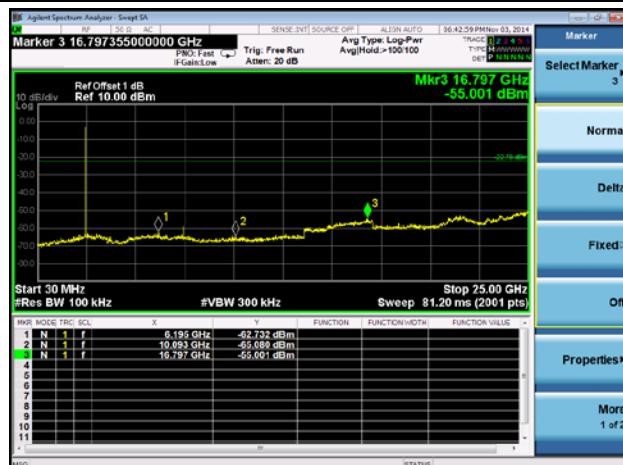
#### 100kHz PSD reference Level



#### High Band Edge



### Spurious Emission 30MHz ~ 25GHz



## 7.6. Radiated Spurious Emission Measurement

### 7.6.1. 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 [V/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

### 7.6.2. Test Procedure Used

KDB 558074 D01v03r02 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r02 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r02 - Section 12.2.5 (average power measurements)

### 7.6.3. Test Setting

#### Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r02

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 = 3MHz
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**

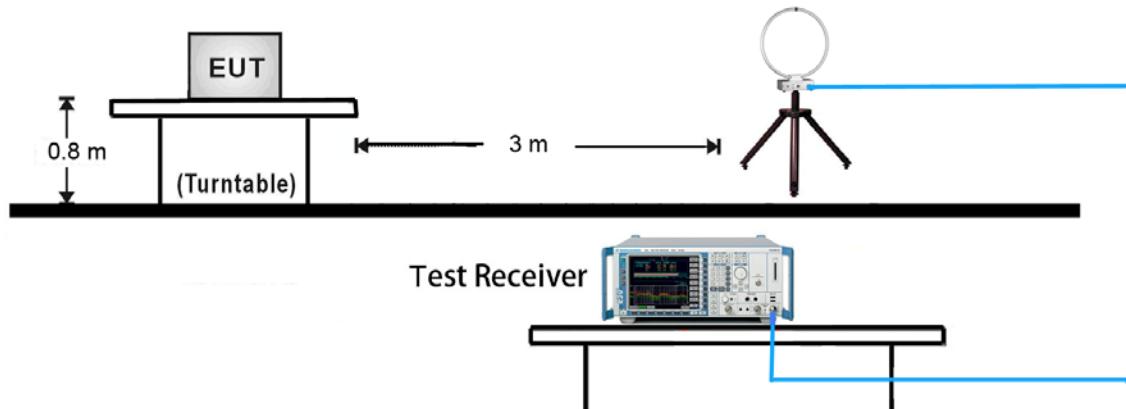
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

**Average Field Strength Measurements per Section 12.2.5.1 of KDB 558074 D01v03r02**

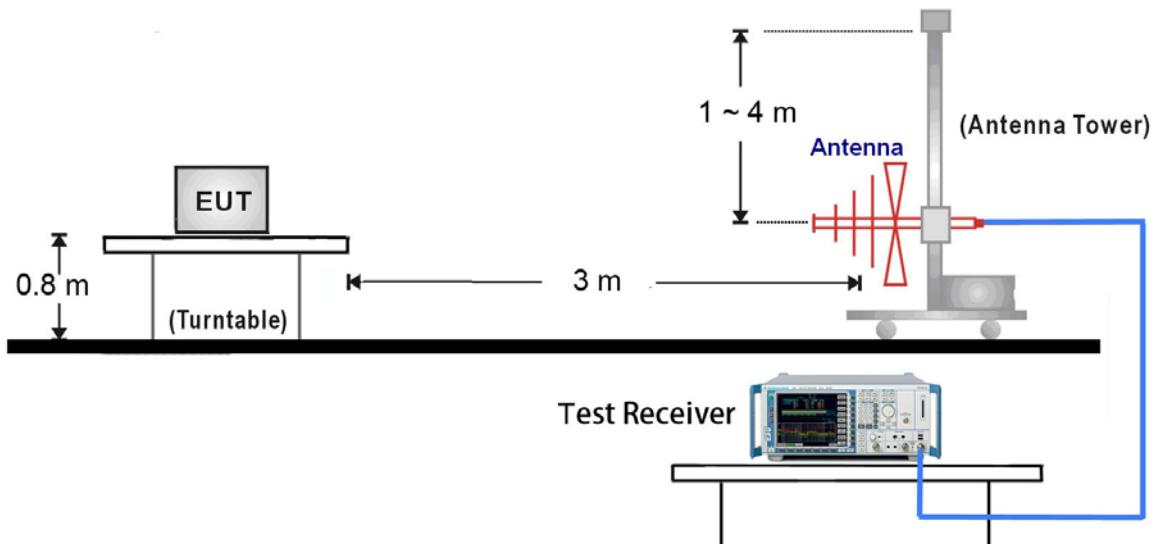
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB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

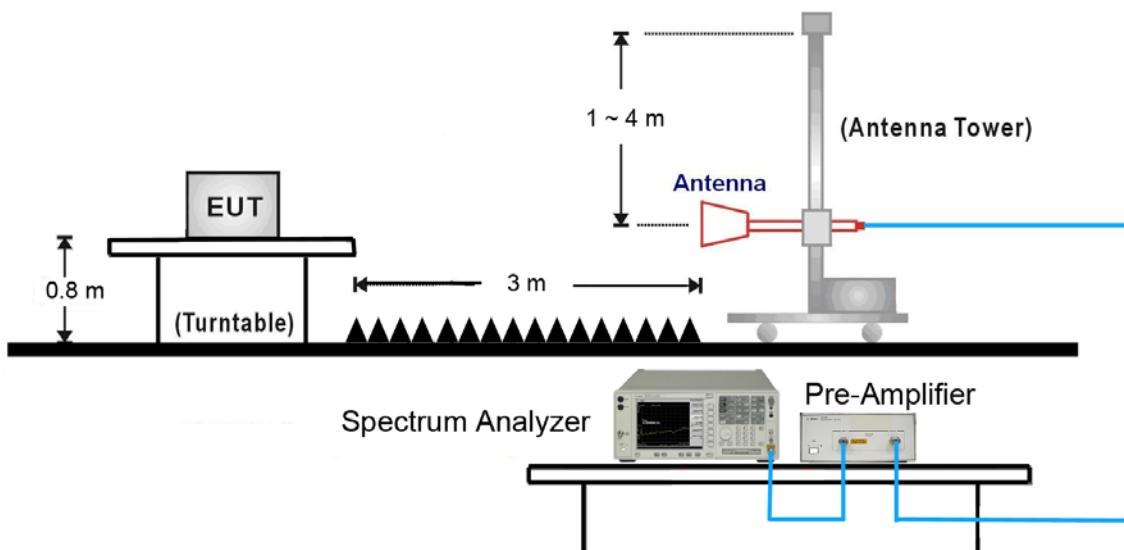
#### 7.6.4. Test Setup

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



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



1GHz ~ 25GHz Test Setup:

### 7.6.5. Test Result

Test Mode:	802.11b	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	<p>1. Average measurement was not performed if peak level lower than average limit.</p> <p><b>2. The worst case of Radiated Spurious Emission.</b></p> <p>3. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.</p>		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	3045.0	37.0	3.4	40.4	71.8	-31.4	Peak	Horizontal
*	3412.0	36.5	3.3	39.8	71.8	-32.0	Peak	Horizontal
	4924.0	37.2	6.7	43.9	74.0	-30.1	Peak	Horizontal
	7386.0	35.4	14.1	49.5	74.0	-24.5	Peak	Horizontal
*	3145.0	36.8	3.6	40.4	71.8	-31.4	Peak	Vertical
*	3513.0	36.9	3.9	40.8	71.8	-31.0	Peak	Vertical
	4924.0	38.8	6.7	45.5	74.0	-28.5	Peak	Vertical
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical

Note 1: “\*\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (91.8dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Test Mode:	BLE	Test Site:	AC1
Test Channel:	00	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. <b>2. The worst case of Radiated Spurious Emission.</b> 3. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	3565.0	36.6	4.1	40.7	62.9	-22.2	Peak	Horizontal
*	4479.0	38.0	5.6	43.6	62.9	-19.3	Peak	Horizontal
	4804.0	37.6	6.4	44.0	74.0	-30.0	Peak	Horizontal
	7206.0	34.2	13.6	47.8	74.0	-26.2	Peak	Horizontal
*	3123.0	36.6	3.5	40.1	62.9	-22.8	Peak	Vertical
*	4415.0	37.7	5.5	43.2	62.9	-19.7	Peak	Vertical
	4804.0	34.8	6.4	41.2	74.0	-32.8	Peak	Vertical
	7206.0	35.3	13.6	48.9	74.0	-25.1	Peak	Vertical

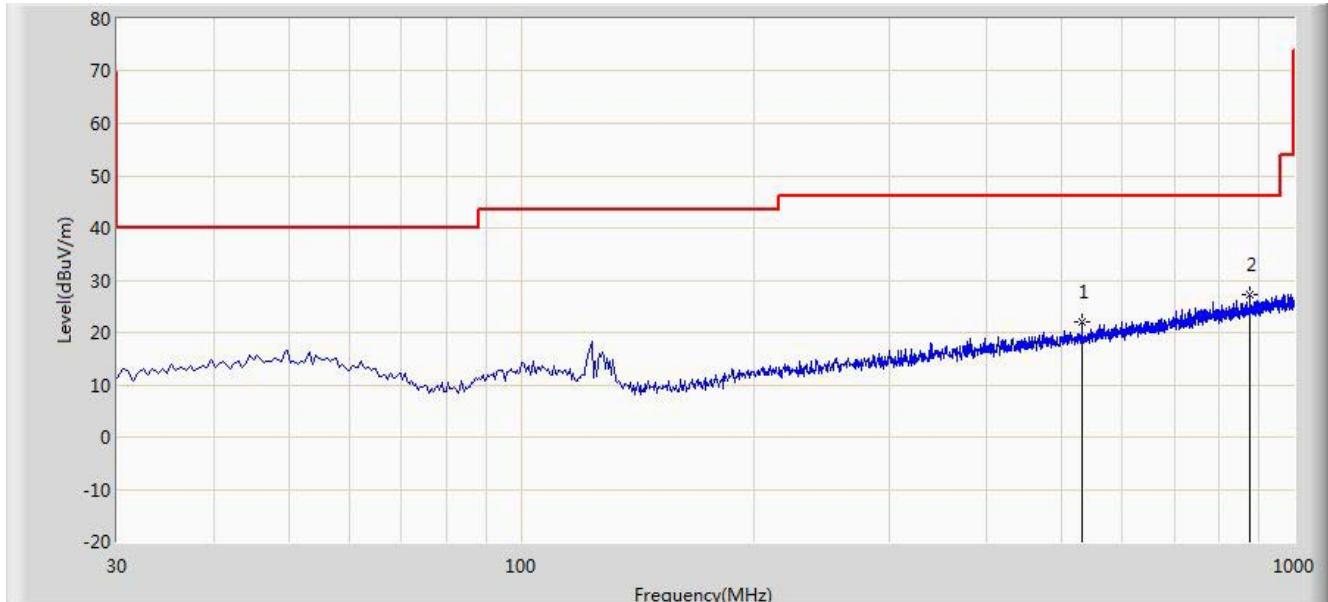
Note 1: “\*\*” is not in restricted band, its limit is 20dBc of the fundamental emission level (82.9dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 10:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11b at channel 2412MHz


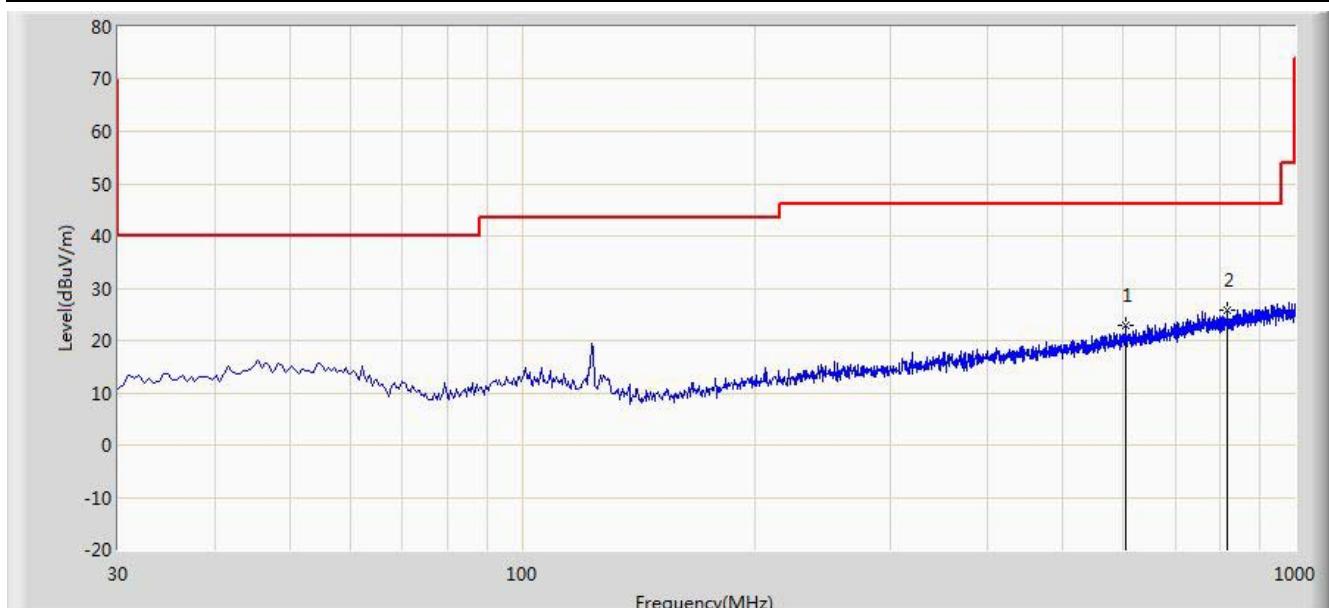
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			532.460	21.919	3.709	-24.081	46.000	18.210	QP
2	*		877.780	27.225	4.077	-18.775	46.000	23.148	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 10:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11b at channel 2412MHz



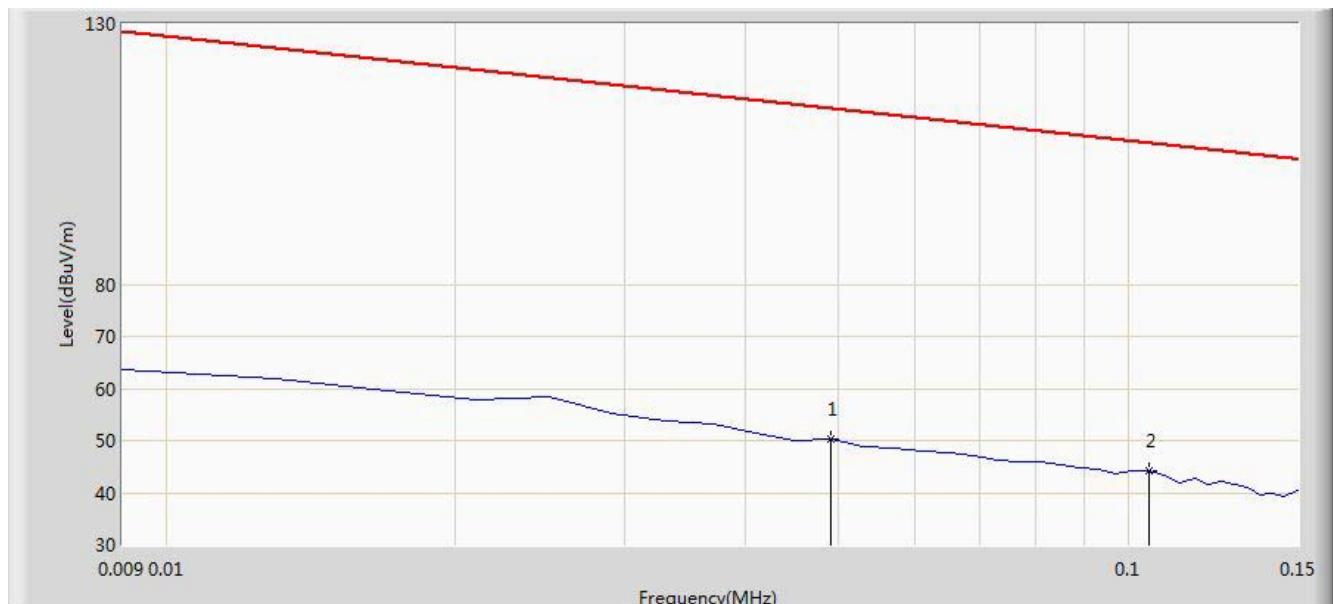
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			604.725	22.802	3.305	-23.198	46.000	19.497	QP
2	*	*	817.155	25.842	3.449	-20.158	46.000	22.393	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/29 - 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Note:** There is the ambient noise within frequency range 9kHz~30MHz.



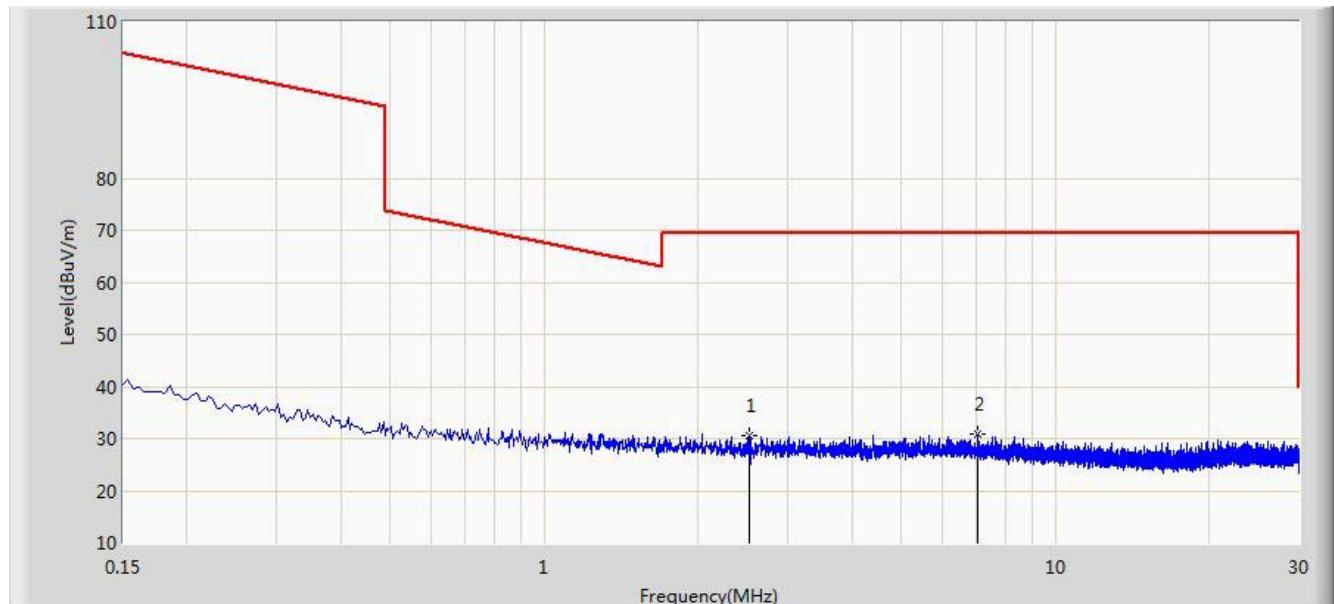
No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Over Limit (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			0.049	50.367	29.861	-63.422	113.789	20.505	QP
2	*		0.105	44.143	23.996	-63.029	107.173	20.147	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/29 - 16:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Note:** There is the ambient noise within frequency range 9kHz~30MHz.

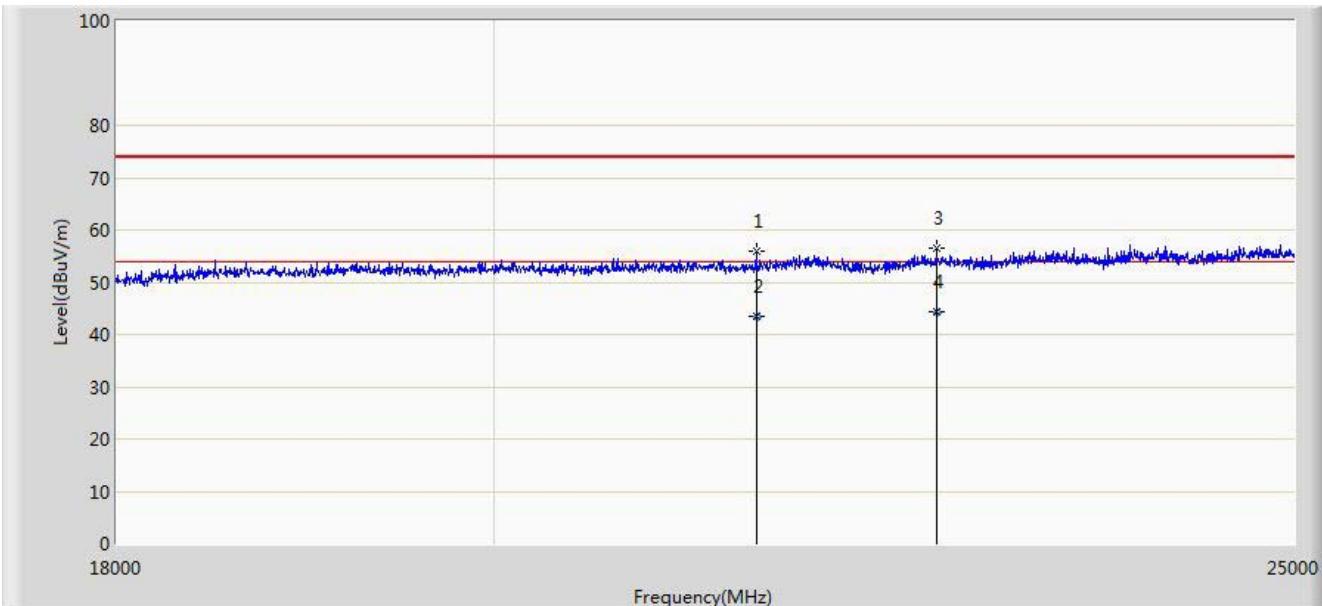


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2.513	30.495	10.336	-39.005	69.500	20.159	QP
2	*		7.041	30.974	10.579	-38.526	69.500	20.395	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/29 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18 ~ 25GHz.</b>	



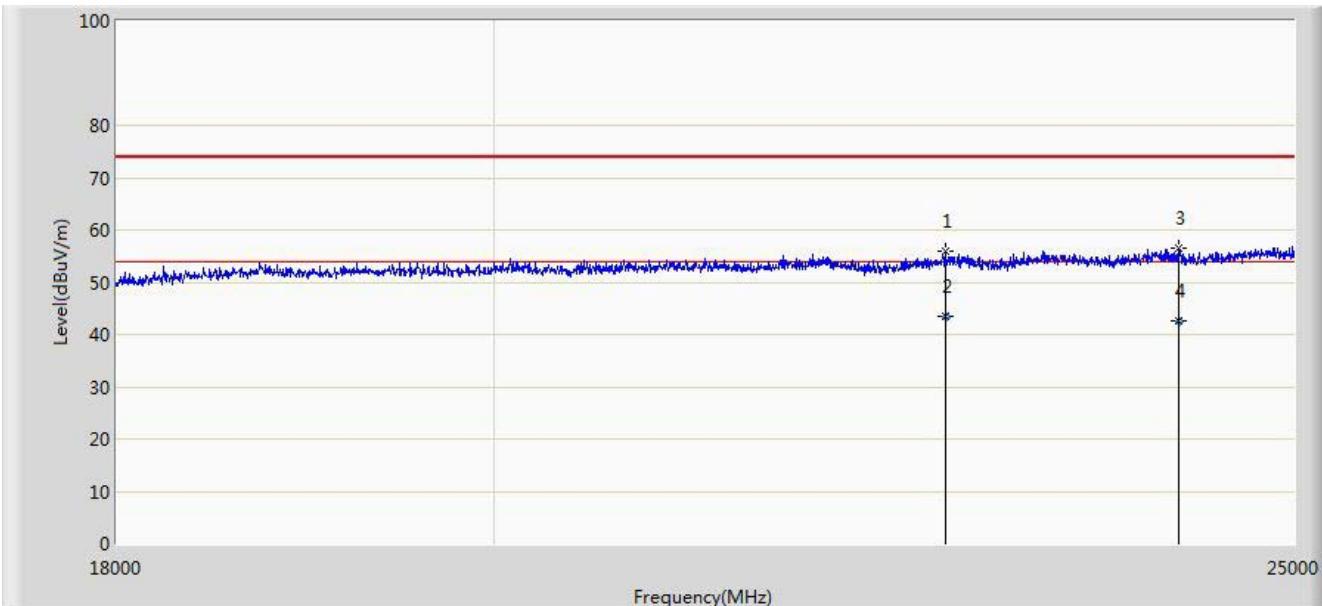
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			21517.500	55.869	17.883	-18.131	74.000	37.986	PK
2			21517.650	43.351	5.365	-10.649	54.000	37.986	AV
3			22630.500	56.509	18.223	-17.491	74.000	38.286	PK
4	*		22630.540	44.310	6.024	-9.690	54.000	38.286	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/29 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Note:** There is the ambient noise within frequency range 18 ~ 25GHz.



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			22686.500	55.811	17.457	-18.189	74.000	38.354	PK
2		*	22686.540	43.598	5.244	-10.402	54.000	38.354	AV
3			24205.500	56.430	17.607	-17.570	74.000	38.823	PK
4			24205.658	42.518	3.695	-11.482	54.000	38.823	AV

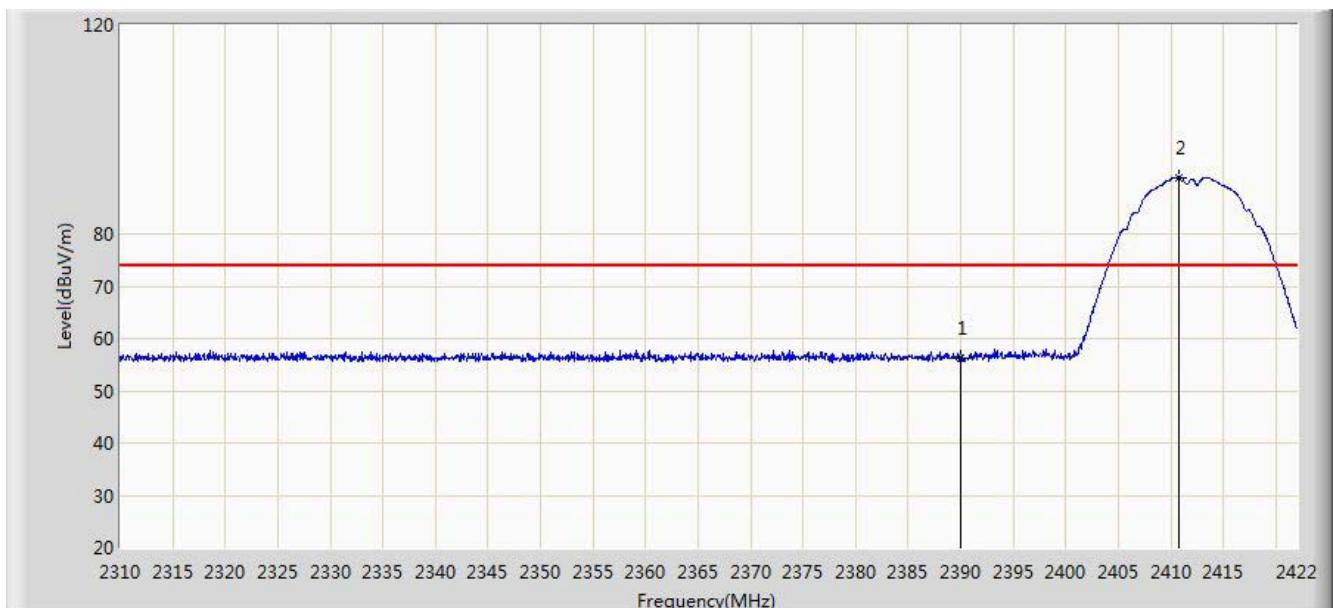
Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

## 7.7. Radiated Restricted Band Edge Measurement

### 7.7.1. Test Result

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11b at channel 2412MHz	



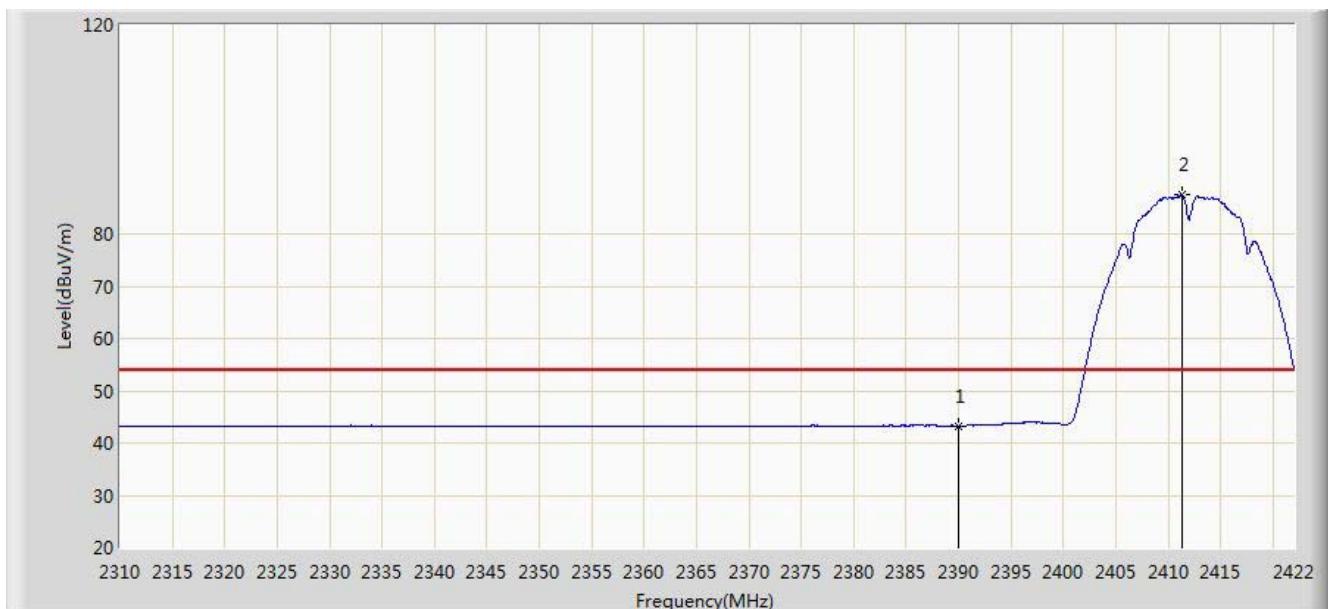
No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Over Limit (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1			2390.000	56.343	25.659	-17.657	74.000	30.684	PK
2	*		2410.800	90.850	60.203	N/A	N/A	30.647	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11b at channel 2412MHz



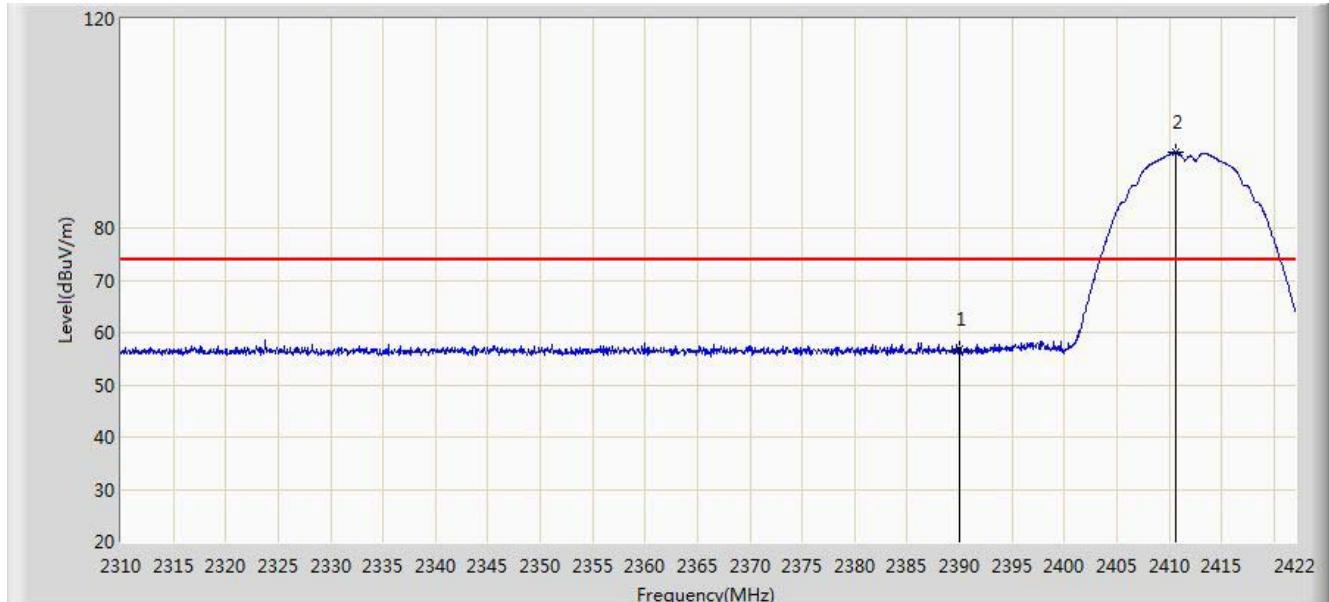
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	43.326	12.642	-10.674	54.000	30.684	AV
2	*		2411.304	87.420	56.774	N/A	N/A	30.646	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11b at channel 2412MHz



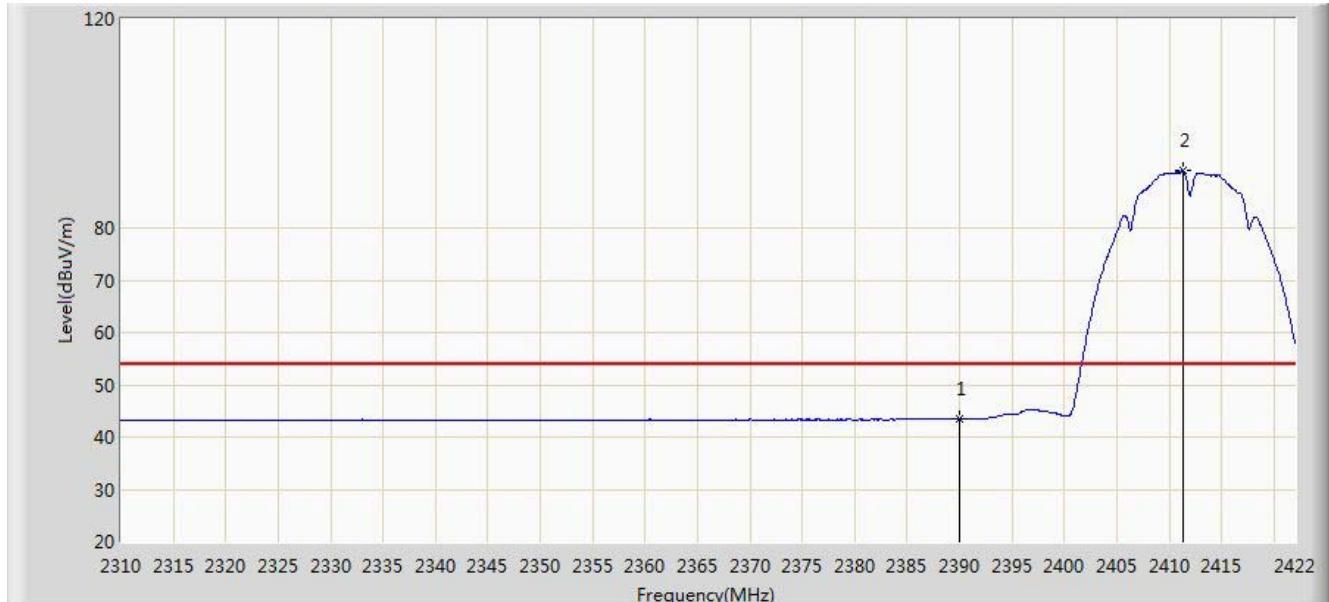
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	56.874	26.190	-17.126	74.000	30.684	PK
2	*		2410.632	94.387	63.740	N/A	N/A	30.647	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11b at channel 2412MHz



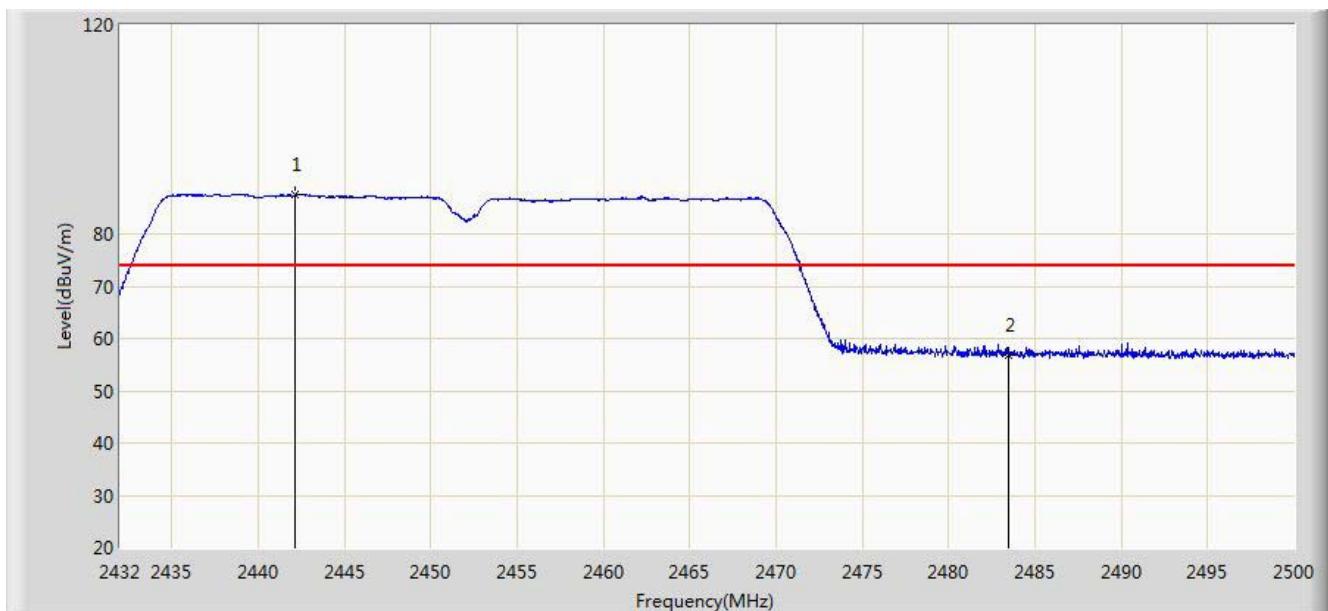
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	43.367	12.683	-10.633	54.000	30.684	AV
2	*		2411.304	90.877	60.231	N/A	N/A	30.646	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11n-HT40 at channel 2452MHz



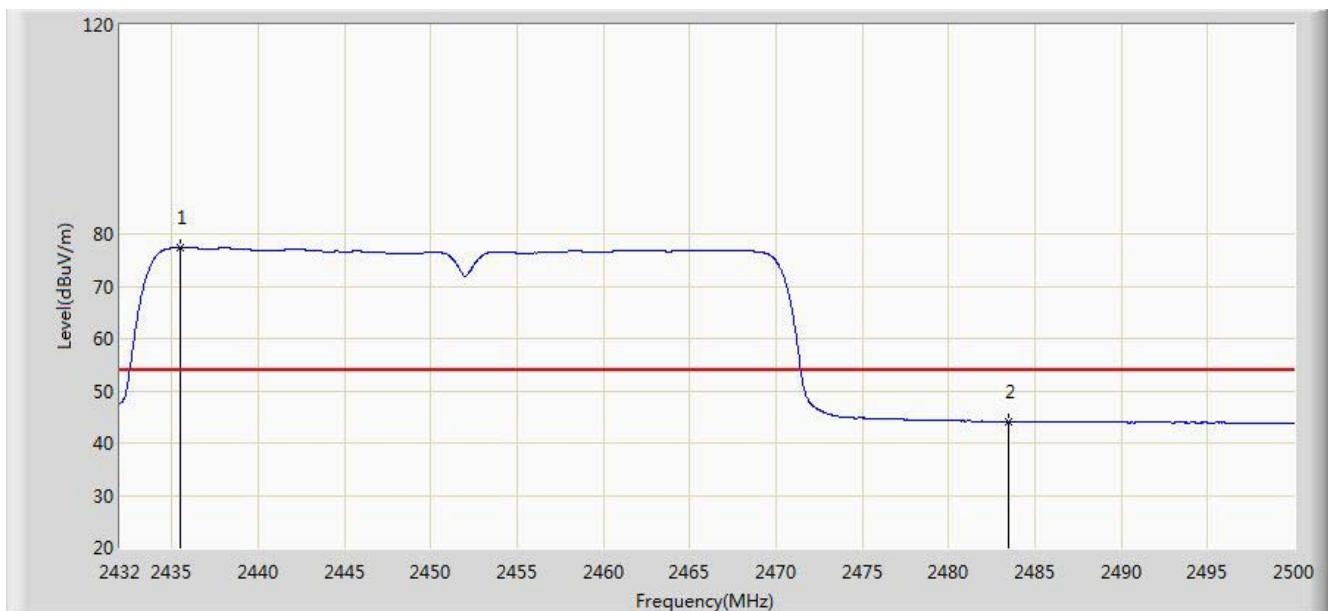
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2442.166	87.560	56.965	N/A	N/A	30.595	PK
2			2483.500	56.834	26.161	-17.166	74.000	30.673	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11n-HT40 at channel 2452MHz



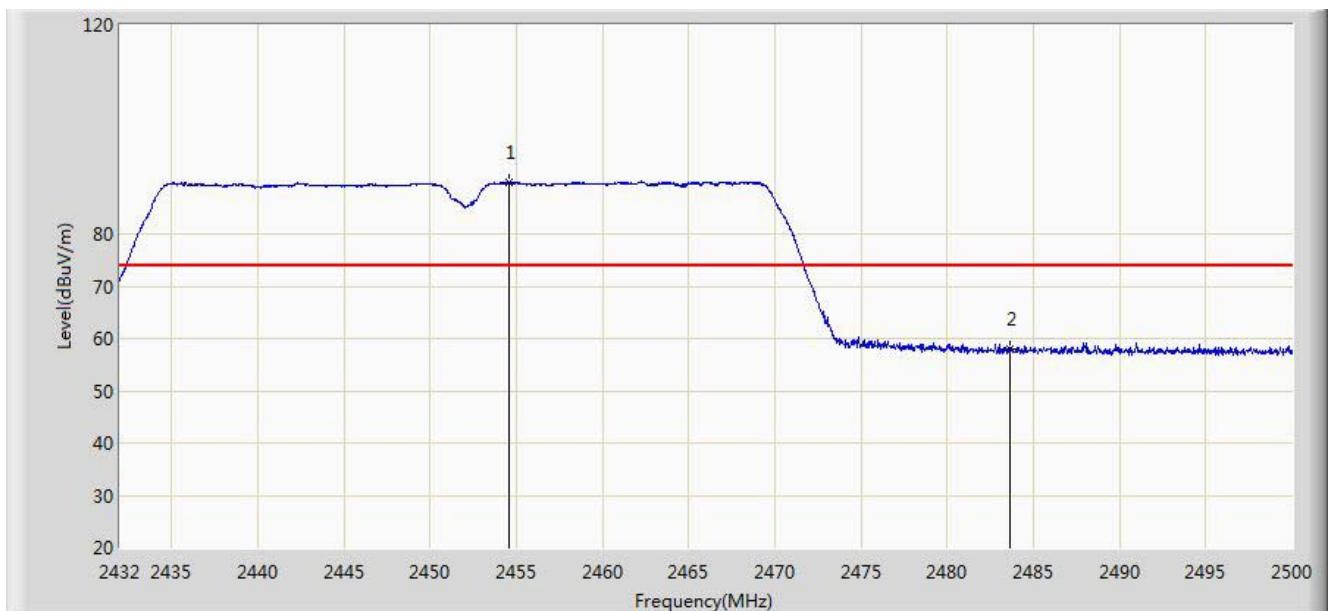
No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Over Limit (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1		*	2435.468	77.389	46.782	N/A	N/A	30.607	AV
2			2483.500	44.137	13.464	-9.863	54.000	30.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11n-HT40 at channel 2452MHz



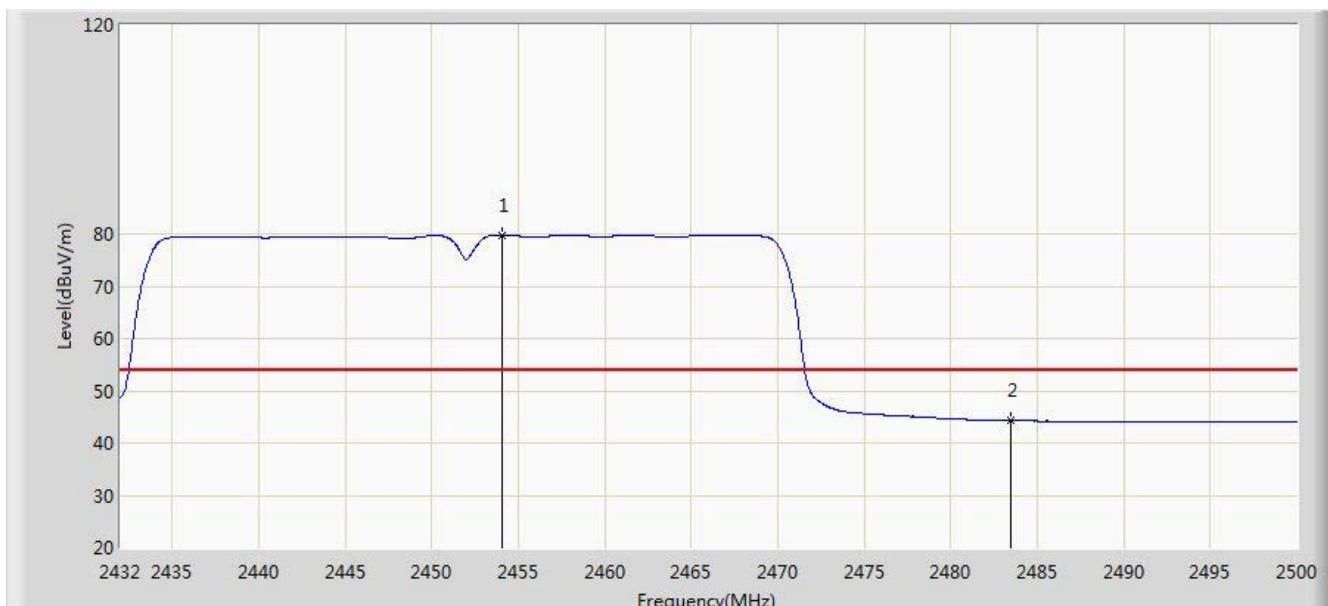
No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Over Limit (dB)	Limit (dB $\mu$ V/m)	Factor (dB)	Type
1		*	2454.610	89.762	59.162	N/A	N/A	30.601	PK
2			2483.600	57.908	27.235	-16.092	74.000	30.673	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/27 - 15:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Worst Case Mode:** 802.11n-HT40 at channel 2452MHz



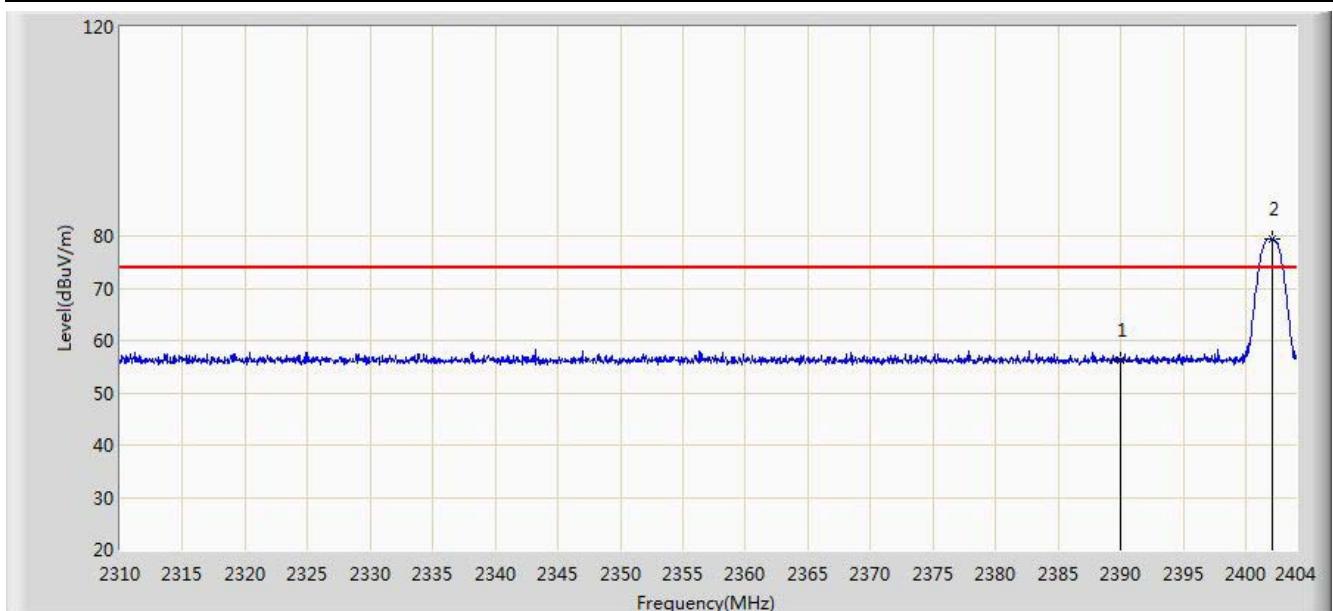
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2454.066	79.844	49.244	N/A	N/A	30.599	AV
2			2483.500	44.348	13.675	-9.652	54.000	30.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE 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	56.246	25.562	-17.754	74.000	30.684	PK
2	*		2402.073	79.390	48.729	N/A	N/A	30.661	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE at channel 2402MHz



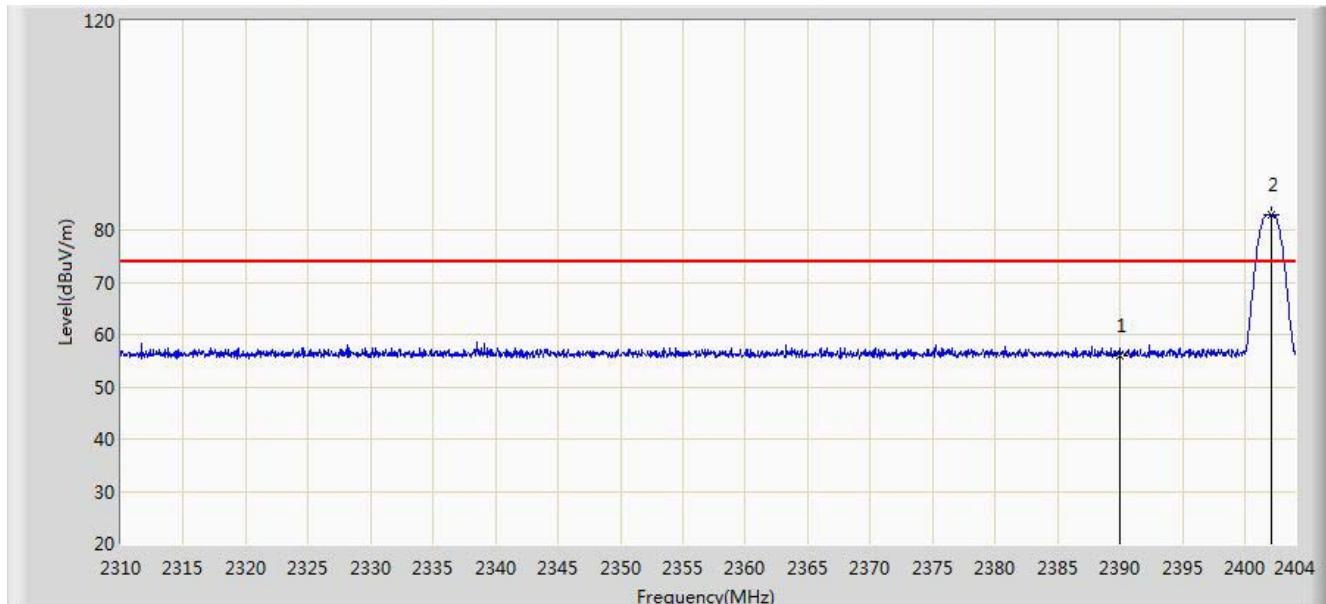
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	43.170	12.486	-10.830	54.000	30.684	AV
2	*	*	2402.073	64.708	34.047	N/A	N/A	30.661	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE 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	56.040	25.356	-17.960	74.000	30.684	PK
2	*		2402.073	82.938	52.277	N/A	N/A	30.661	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE at channel 2402MHz



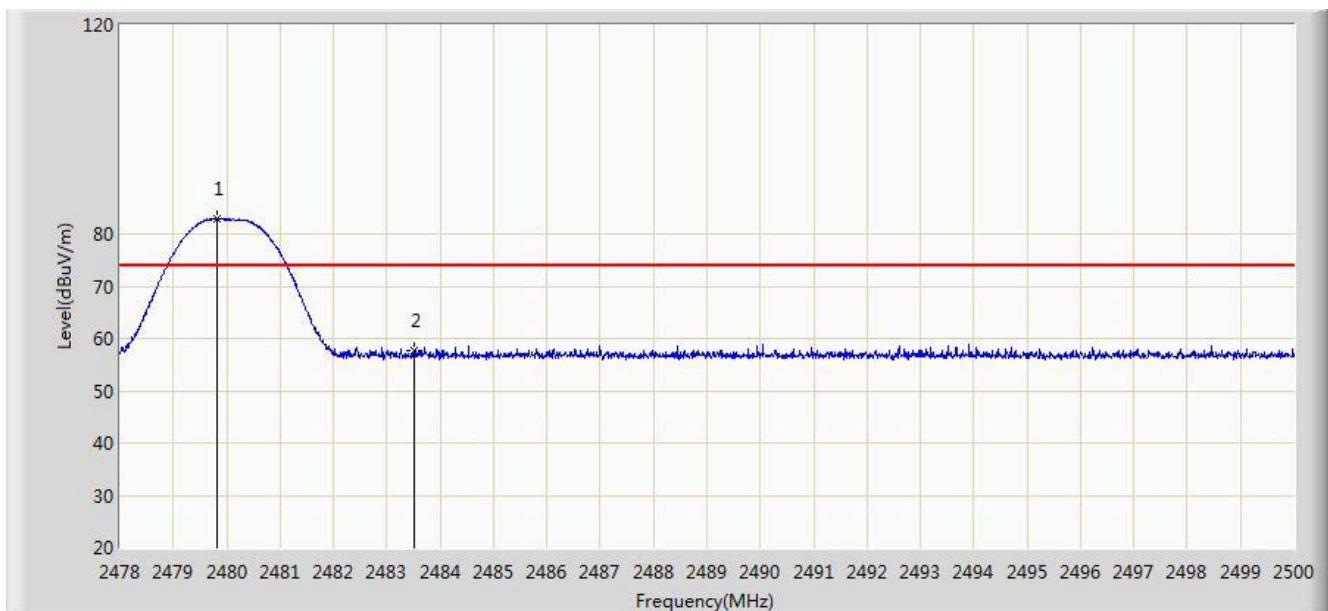
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	43.208	12.524	-10.792	54.000	30.684	AV
2	*		2402.073	66.776	36.115	N/A	N/A	30.661	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE at channel 2480MHz



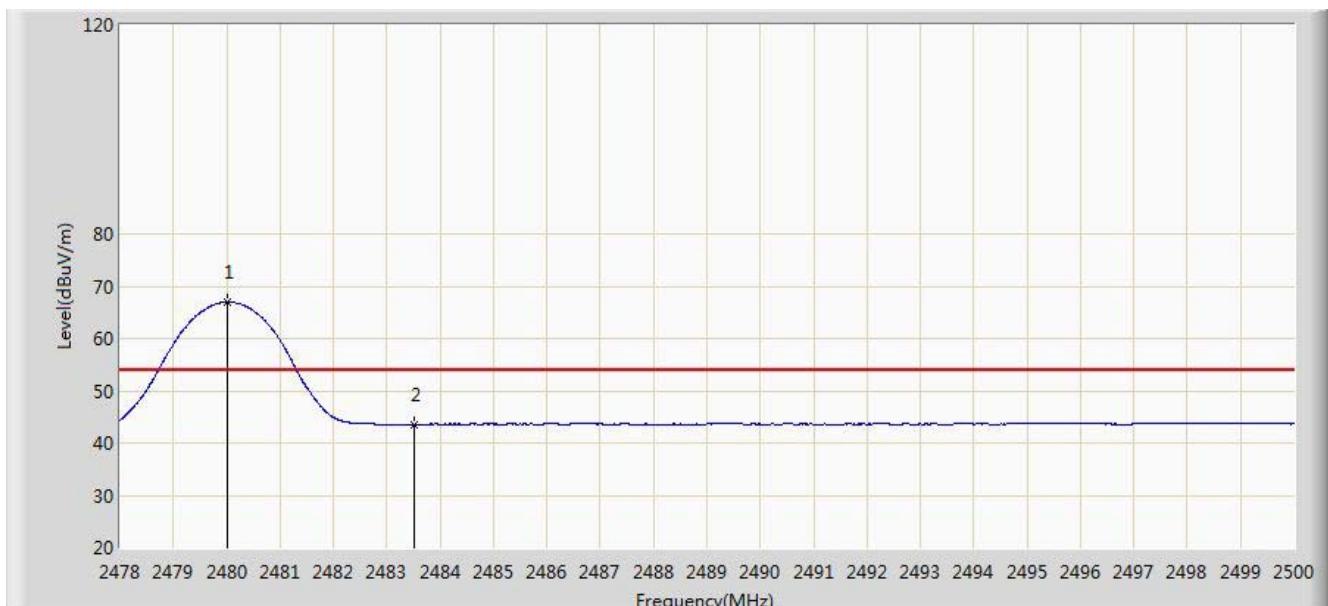
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.815	82.895	52.233	N/A	N/A	30.662	PK
2			2483.500	57.574	26.901	-16.426	74.000	30.673	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE at channel 2480MHz



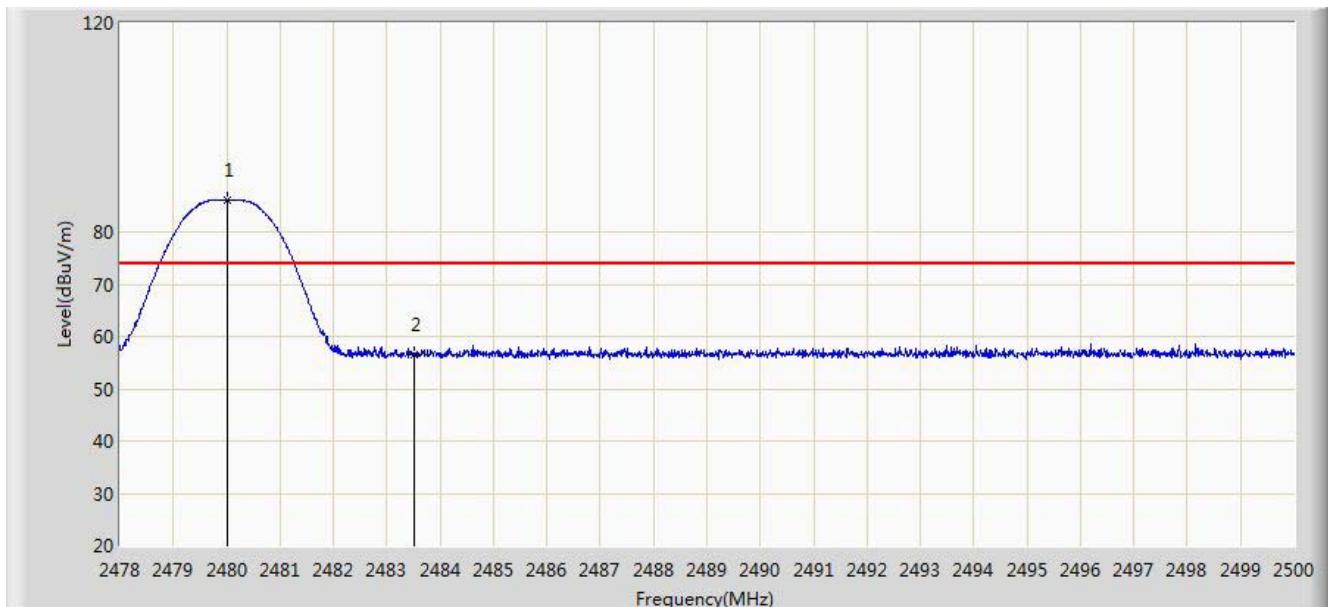
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.002	66.961	36.299	N/A	N/A	30.662	AV
2			2483.500	43.572	12.899	-10.428	54.000	30.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/11/03 - 19:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE at channel 2480MHz



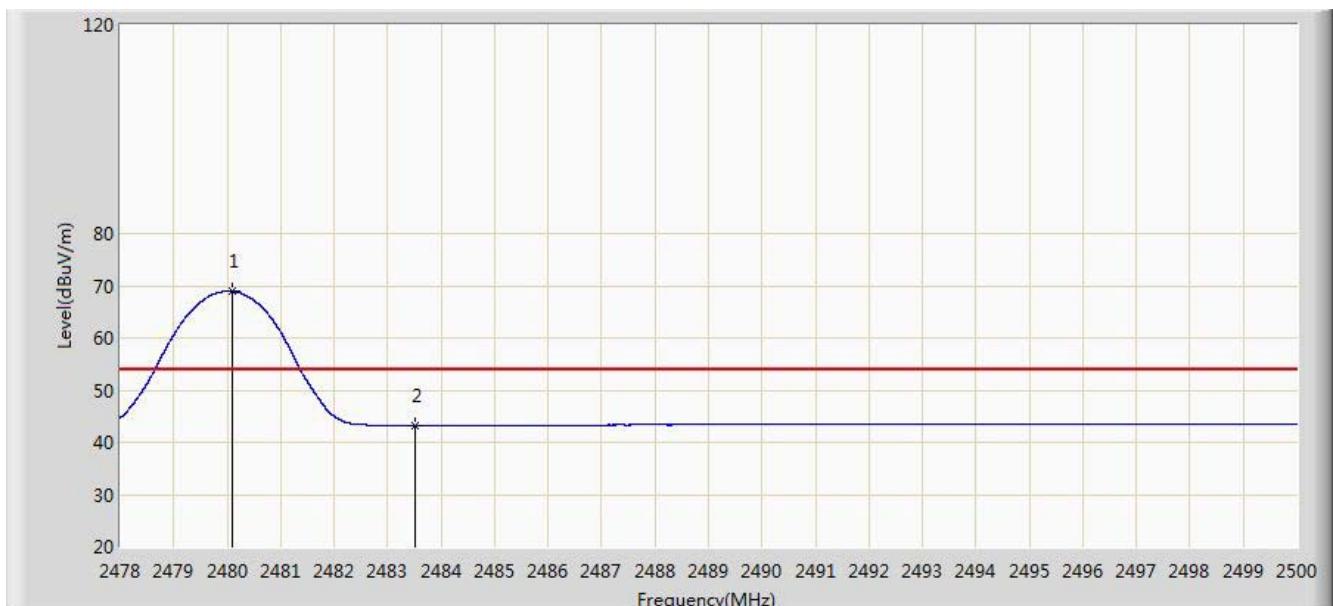
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.002	86.012	55.350	N/A	N/A	30.662	PK
2			2483.500	56.506	25.833	-17.494	74.000	30.673	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/28 - 09:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 8 Inch Tablet	Power: AC 120V/60Hz

**Test Mode:** BLE 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		*	2480.106	68.921	38.258	N/A	N/A	30.662	AV
2			2483.500	43.224	12.551	-10.776	54.000	30.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

## 7.8. AC Conducted Emissions Measurement

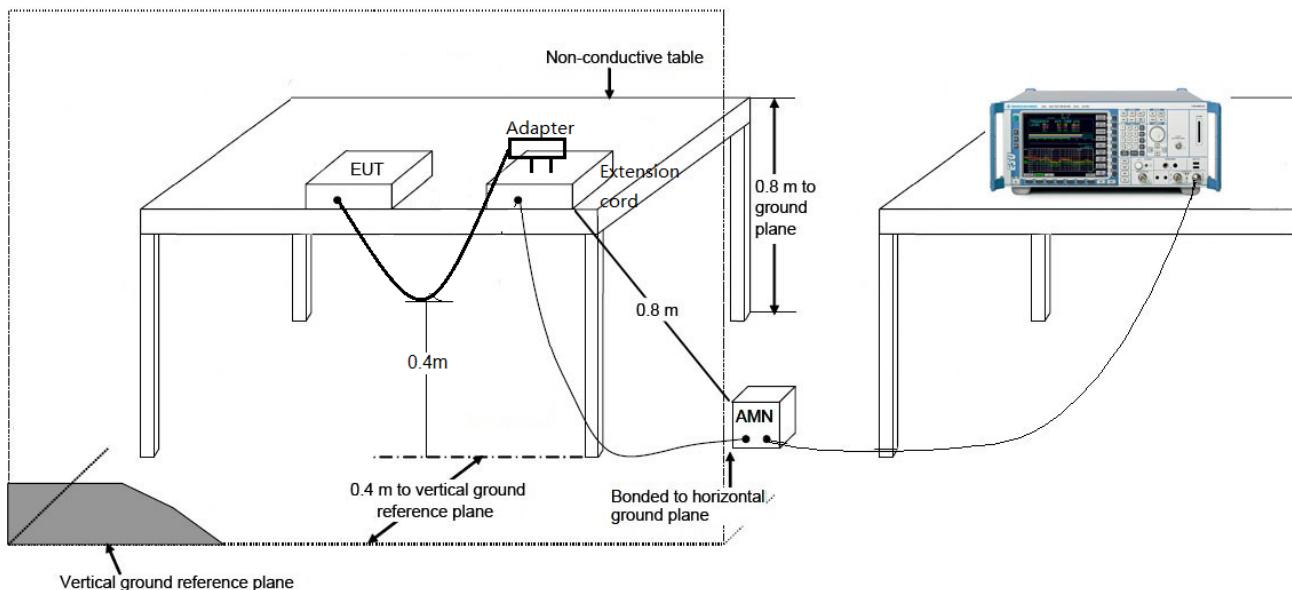
### 7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
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.

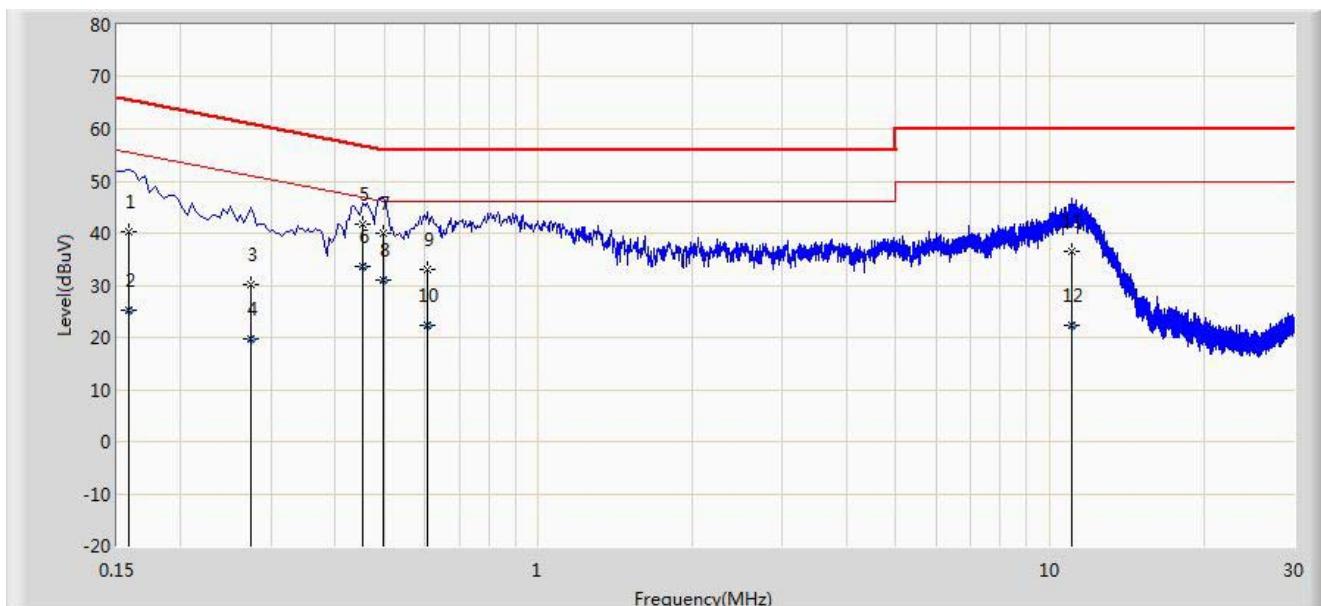
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.8.2. Test Setup



### 7.8.3. Test Result

Engineer: Milo Li	
Site: SR2	Time: 2014/10/27 - 19:21
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: 8 Inch Tablet	Power: AC 120V/60Hz
Note: Normal Operation	

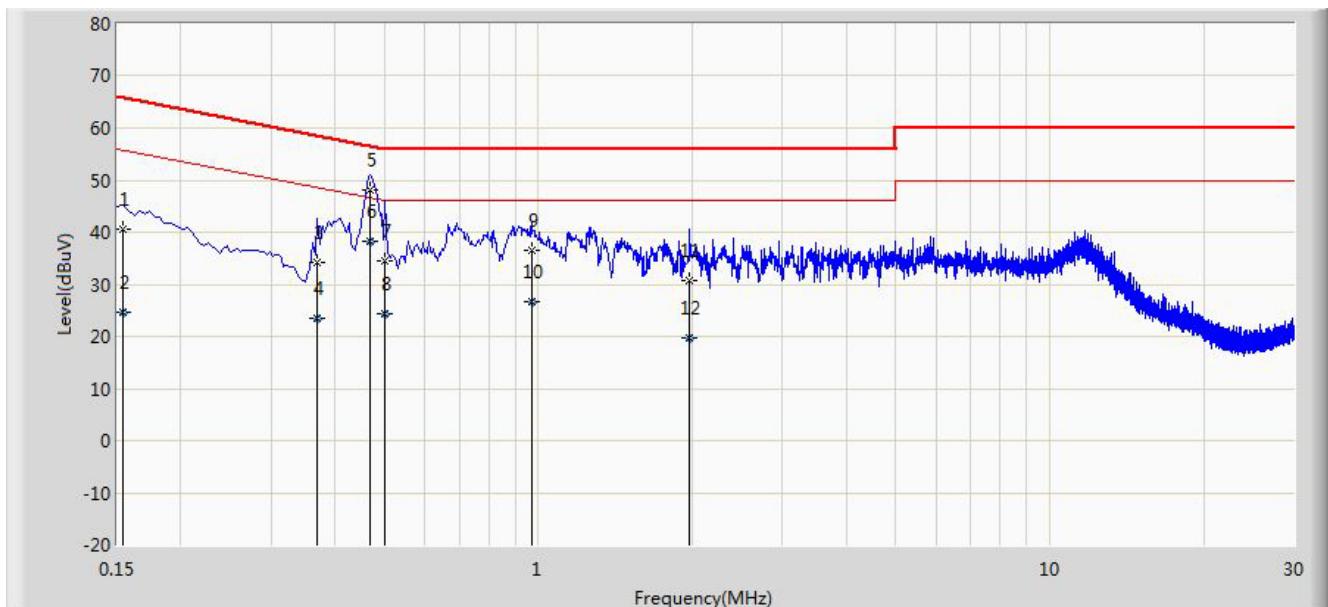


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V)	Reading Level (dB $\mu$ V)	Over Limit (dB)	Limit (dB $\mu$ V)	Factor (dB)	Type
1			0.158	40.168	29.858	-25.400	65.568	10.311	QP
2			0.158	25.083	14.772	-30.486	55.568	10.311	AV
3			0.274	30.047	20.064	-30.949	60.996	9.983	QP
4			0.274	19.673	9.690	-31.323	50.996	9.983	AV
5			0.454	41.601	31.471	-15.201	56.802	10.129	QP
6	*		0.454	33.767	23.638	-13.034	46.802	10.129	AV
7			0.498	40.000	29.842	-16.034	56.033	10.157	QP
8			0.498	30.994	20.836	-15.040	46.033	10.157	AV
9			0.606	33.112	23.000	-22.888	56.000	10.112	QP
10			0.606	22.257	12.145	-23.743	46.000	10.112	AV
11			11.006	36.432	26.326	-23.568	60.000	10.107	QP
12			11.006	22.357	12.251	-27.643	50.000	10.107	AV

Note: Measure Level (dB $\mu$ V) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Engineer: Milo Li	
Site: SR2	Time: 2014/10/29 - 09:58
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: 8 Inch Tablet	Power: AC 120V/60Hz
Note: Normal Operation	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	40.685	29.970	-25.096	65.781	10.716	QP
2			0.154	24.724	14.008	-31.057	55.781	10.716	AV
3			0.370	34.267	24.177	-24.234	58.501	10.090	QP
4			0.370	23.344	13.254	-25.157	48.501	10.090	AV
5			0.470	48.137	37.973	-8.377	56.514	10.164	QP
6	*		0.470	38.143	27.979	-8.371	46.514	10.164	AV
7			0.502	34.597	24.420	-21.403	56.000	10.177	QP
8			0.502	24.492	14.315	-21.508	46.000	10.177	AV
9			0.970	36.530	26.605	-19.470	56.000	9.925	QP
10			0.970	26.781	16.856	-19.219	46.000	9.925	AV
11			1.978	30.776	20.903	-25.224	56.000	9.874	QP
12			1.978	19.573	9.699	-26.427	46.000	9.874	AV

Note: Measure Level (dB $\mu$ V) = Reading Level (dB $\mu$ V) + 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 **8 Inch Tablet FCC ID: XHWEWT816** is in compliance with Part 15C of the FCC Rules.

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The End

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