

## **7.5. Conducted Band Edge and Out-of-Band Emissions**

### **7.5.1. Test Limit**

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the PSD procedure (Section 9.1).

### **7.5.2. Test Procedure Used**

KDB 558074 D01v03r02 - Section 11.2 & Section 11.3

### **7.5.3. Test Settling**

#### **1. Reference level measurement**

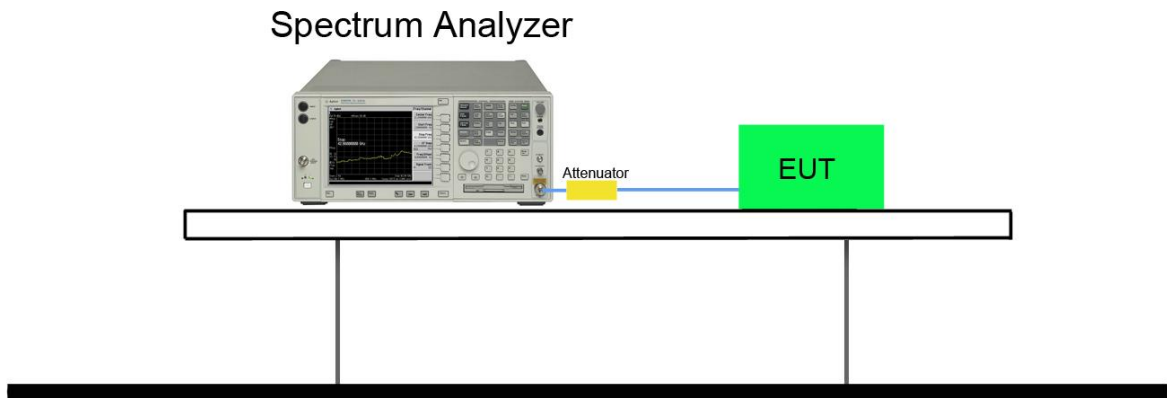
- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to  $\geq 1.5$  times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW  $\geq 3 \times$  RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

#### **2. Emission level measurement**

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Number of sweep points  $\geq 2 \times$  Span/RBW
- (f) Trace mode = max hold
- (g) Sweep time = auto couple

(h) The trace was allowed to stabilize

#### 7.5.4. Test Setup



### 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

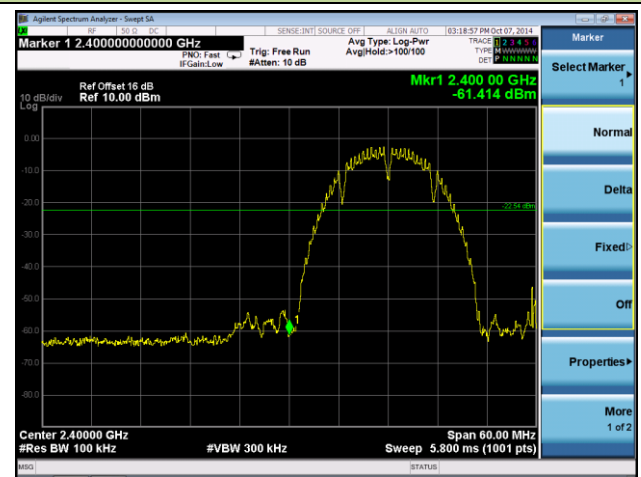
### 802.11b Out-of-Band Emissions

#### Channel 01 (2412MHz)

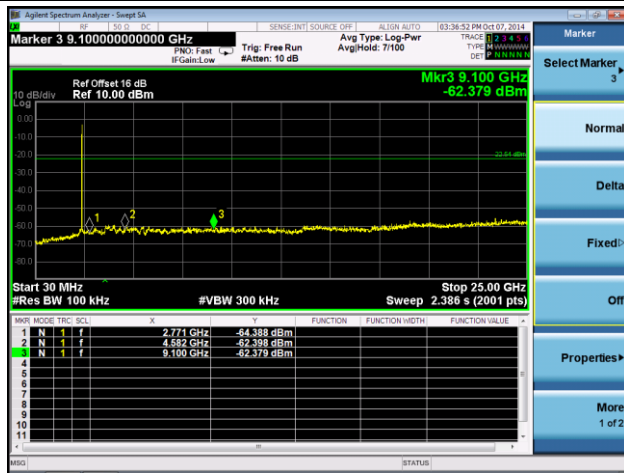
#### 100kHz PSD reference Level



#### Low Band Edge

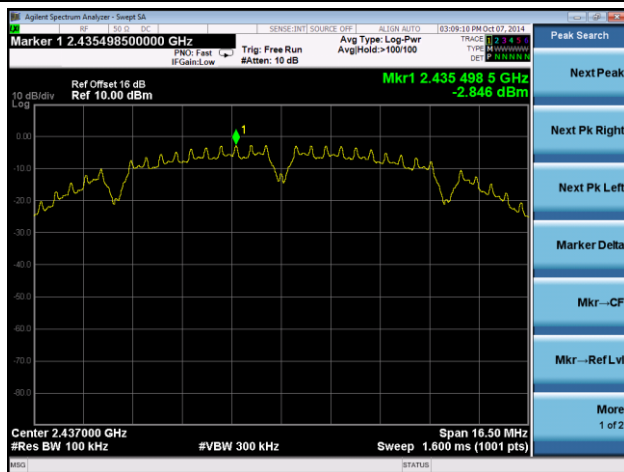


## Spurious Emission 30MHz ~ 25GHz

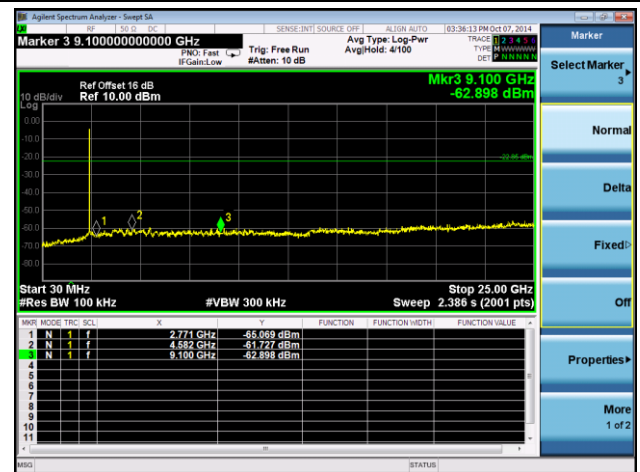


## Channel 06 (2437MHz)

### 100kHz PSD reference Level

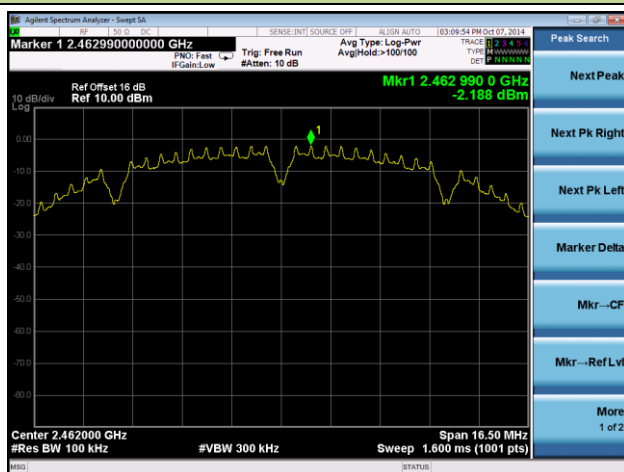


### Spurious Emission 30MHz ~ 25GHz

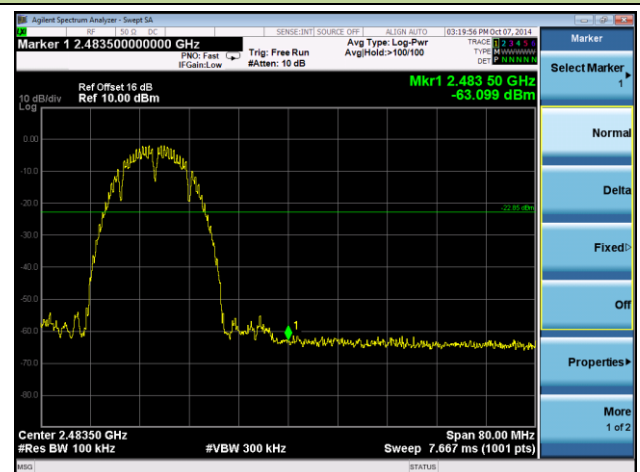


## Channel 11 (2462MHz)

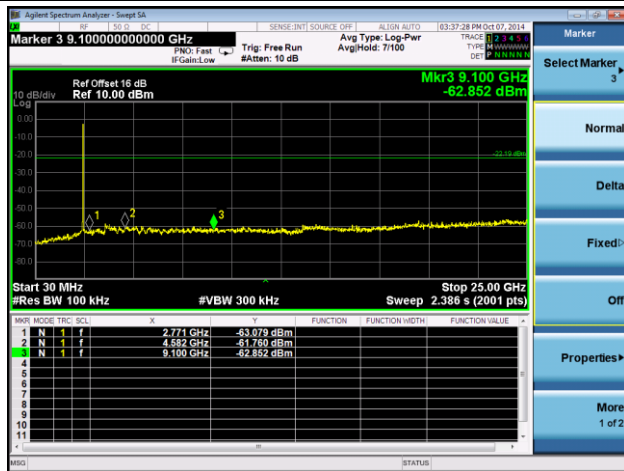
### 100kHz PSD reference Level



### High Band Edge



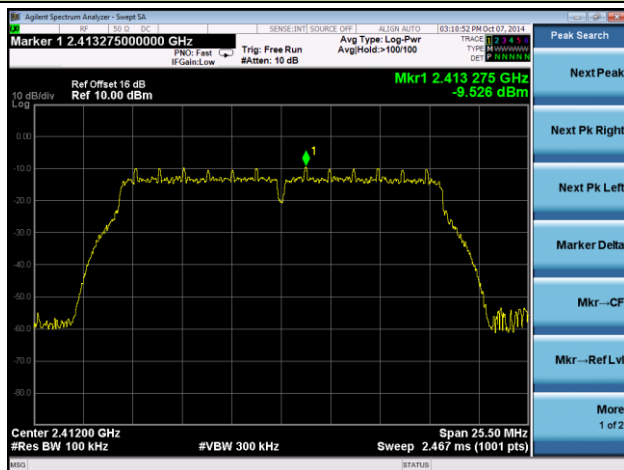
## Spurious Emission 30MHz ~ 25GHz



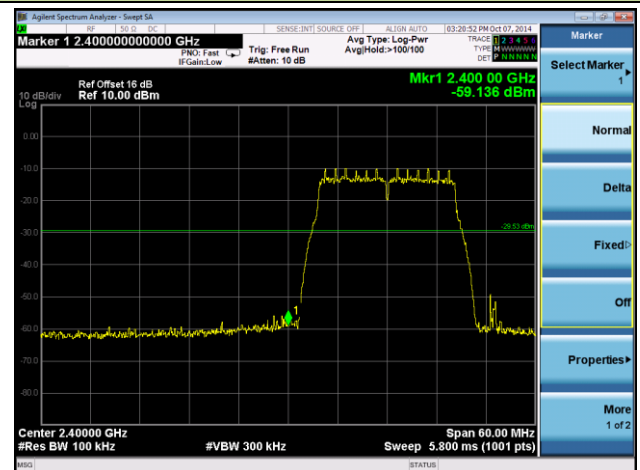
## 802.11g Out-of-Band Emissions

### Channel 01 (2412MHz)

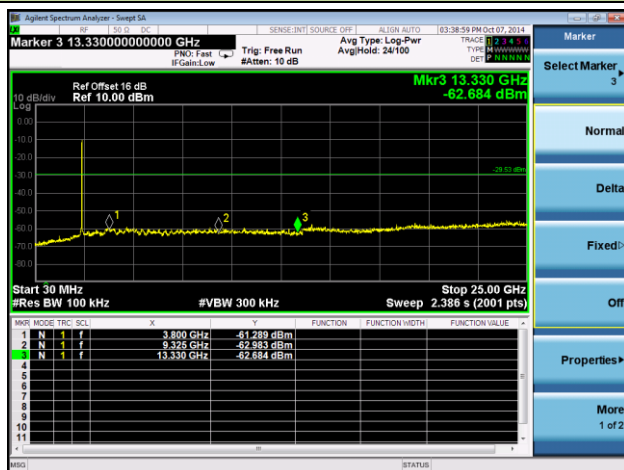
#### 100kHz PSD reference Level



#### Low Band Edge

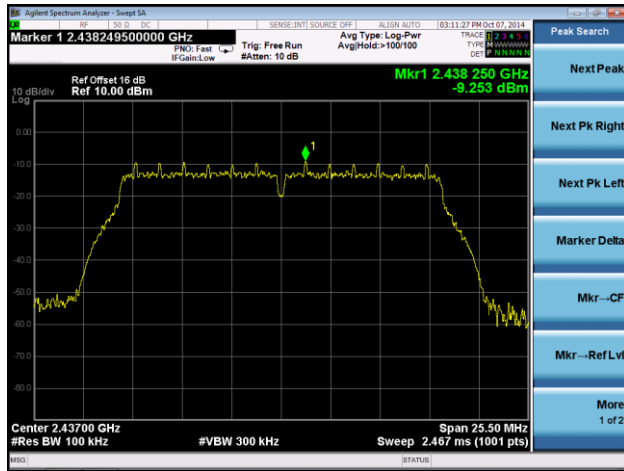


## Spurious Emission 30MHz ~ 25GHz

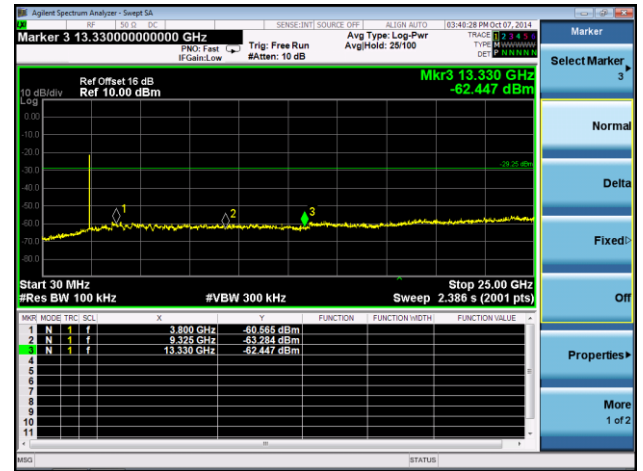


### Channel 06 (2437MHz)

#### 100kHz PSD reference Level

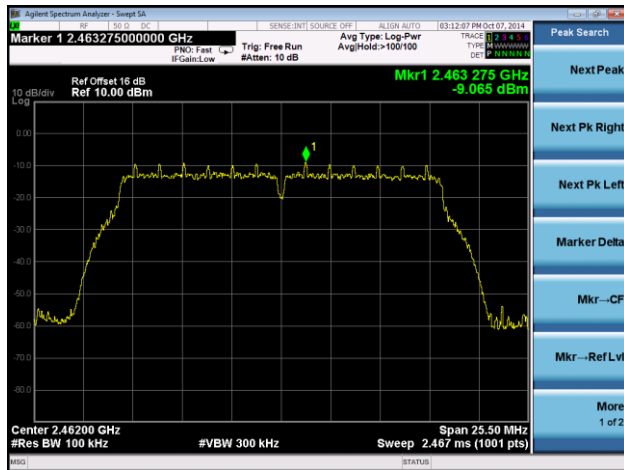


#### Spurious Emission 30MHz ~ 25GHz

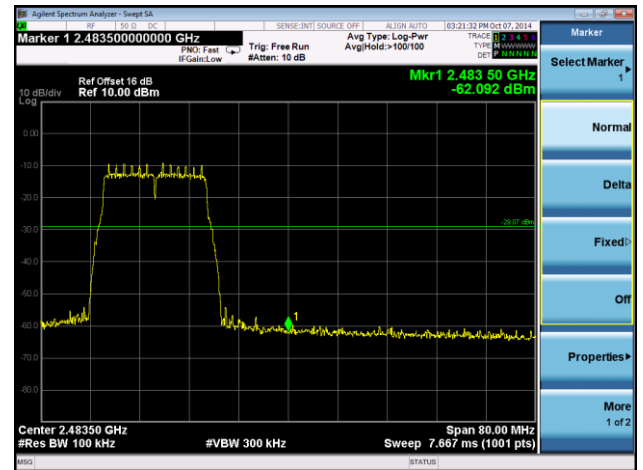


### Channel 11 (2462MHz)

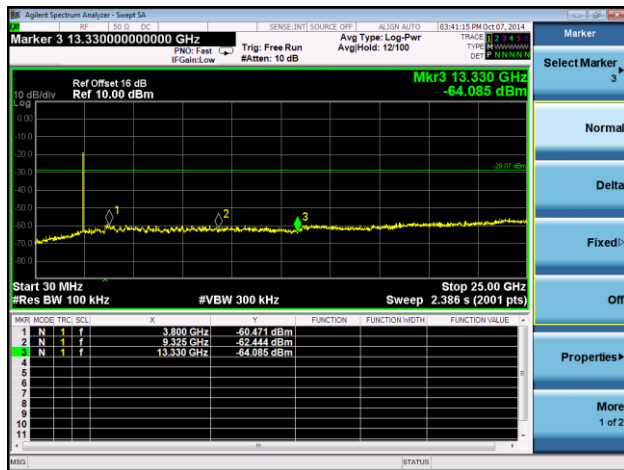
#### 100kHz PSD reference Level



#### High Band Edge



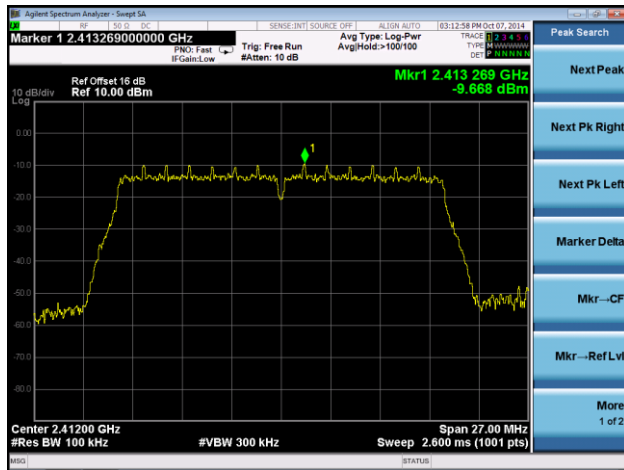
#### Spurious Emission 30MHz ~ 25GHz



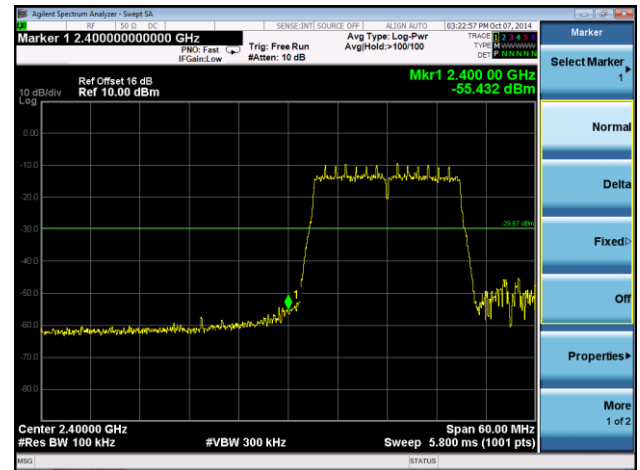
## 802.11n-HT20 Out-of-Band Emissions

### Channel 01 (2412MHz)

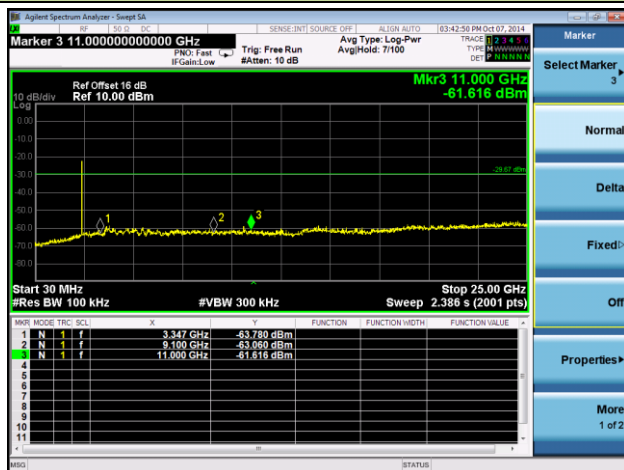
#### 100kHz PSD reference Level



#### Low Band Edge

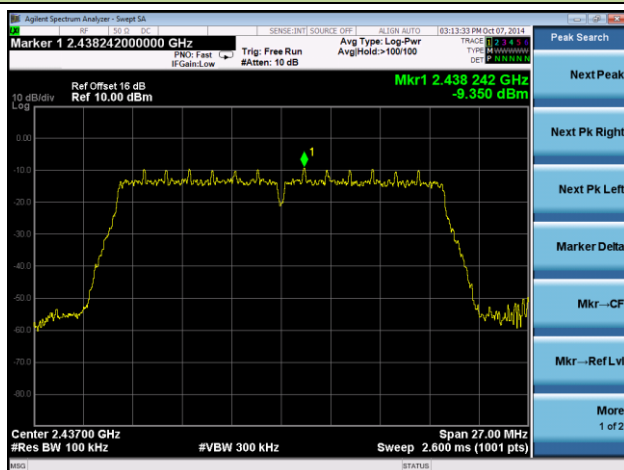


### Spurious Emission 30MHz ~ 25GHz

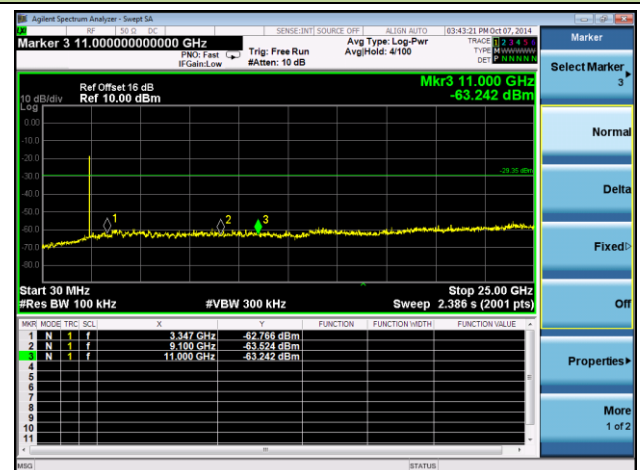


### Channel 06 (2437MHz)

#### 100kHz PSD reference Level

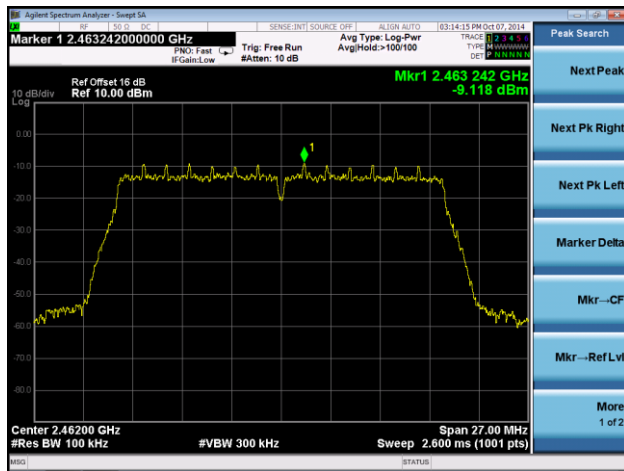


#### Spurious Emission 30MHz ~ 25GHz

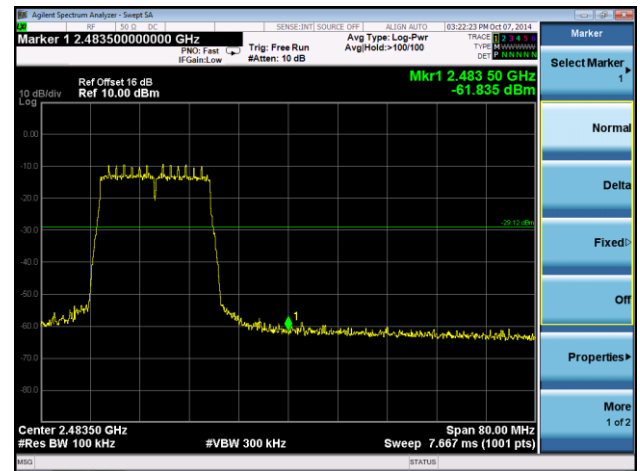


### Channel 11 (2462MHz)

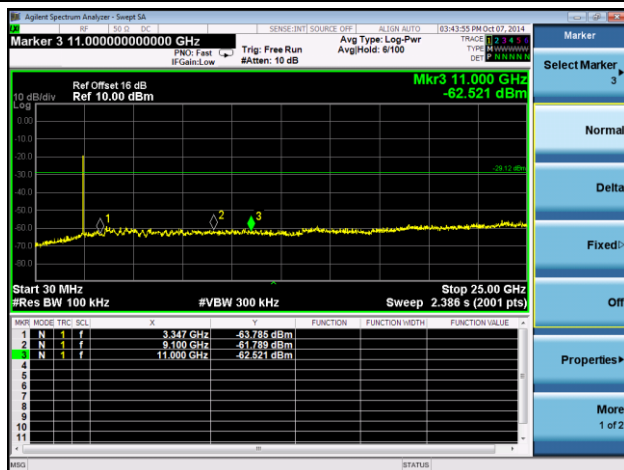
#### 100kHz PSD reference Level



#### High Band Edge



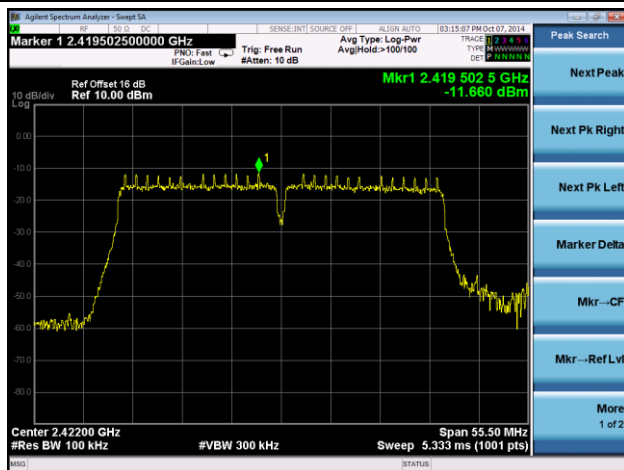
### Spurious Emission 30MHz ~ 25GHz



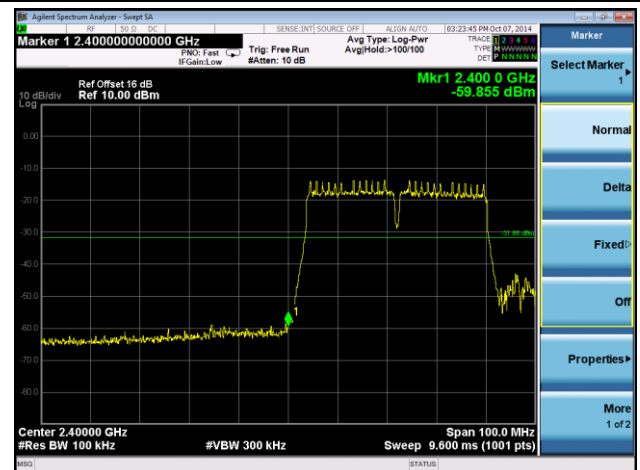
### 802.11n-HT40 Out-of-Band Emissions

### Channel 03 (2422MHz)

#### 100kHz PSD reference Level

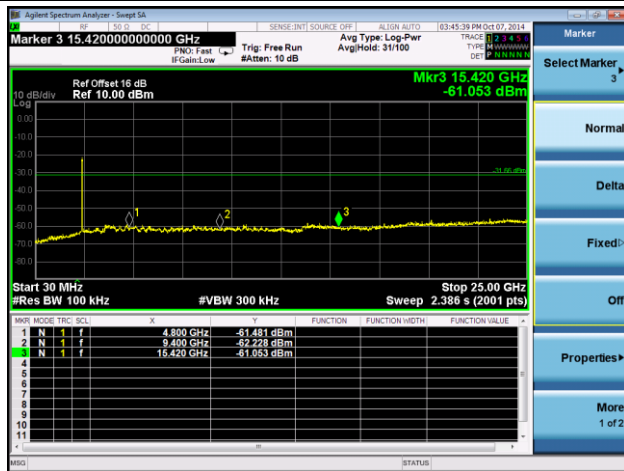


#### Low Band Edge



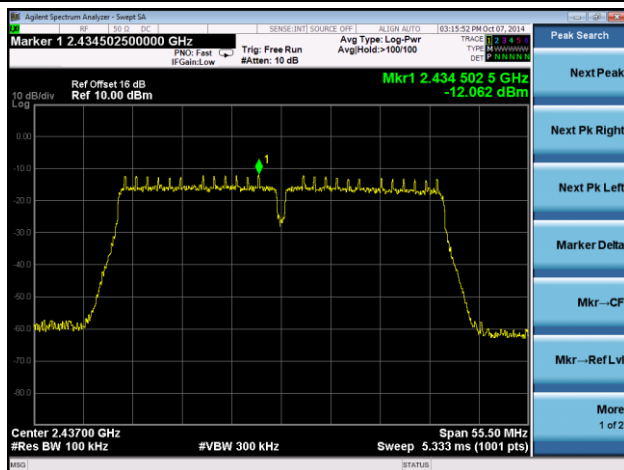


## Spurious Emission 30MHz ~ 25GHz

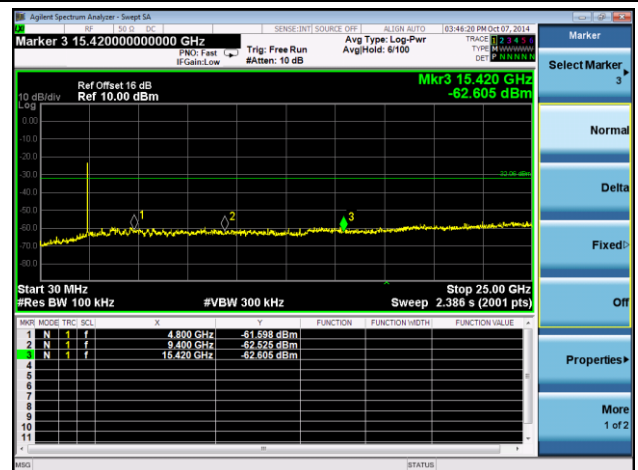


## Channel 06 (2437MHz)

### 100kHz PSD reference Level

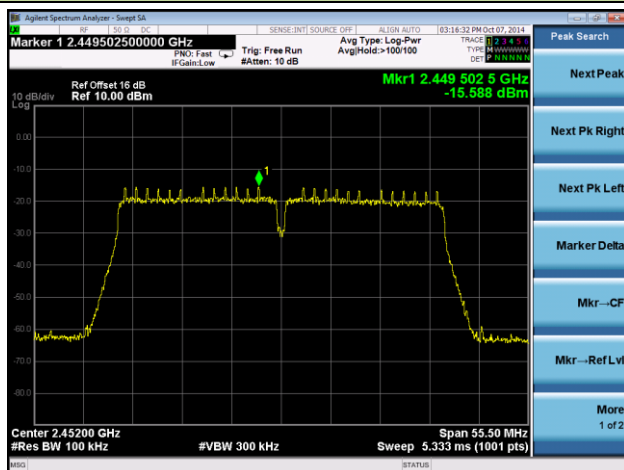


### Spurious Emission 30MHz ~ 25GHz

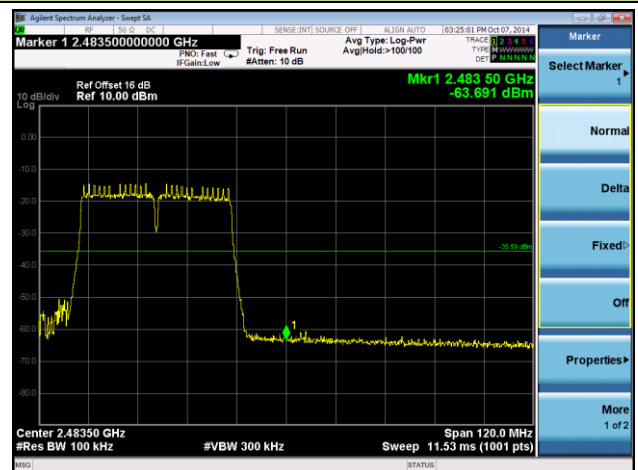


## Channel 09 (2452MHz)

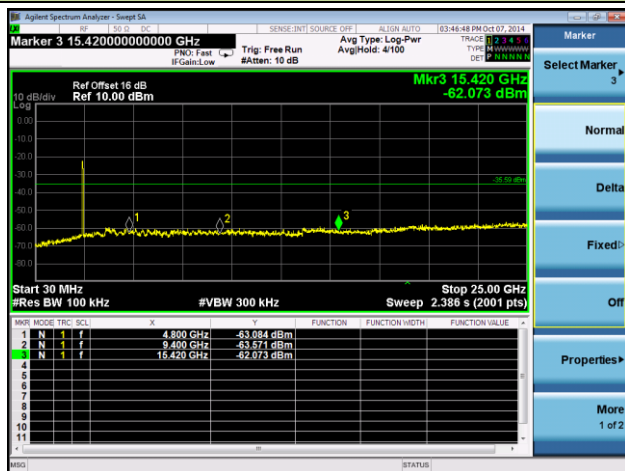
### 100kHz PSD reference Level



### 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**

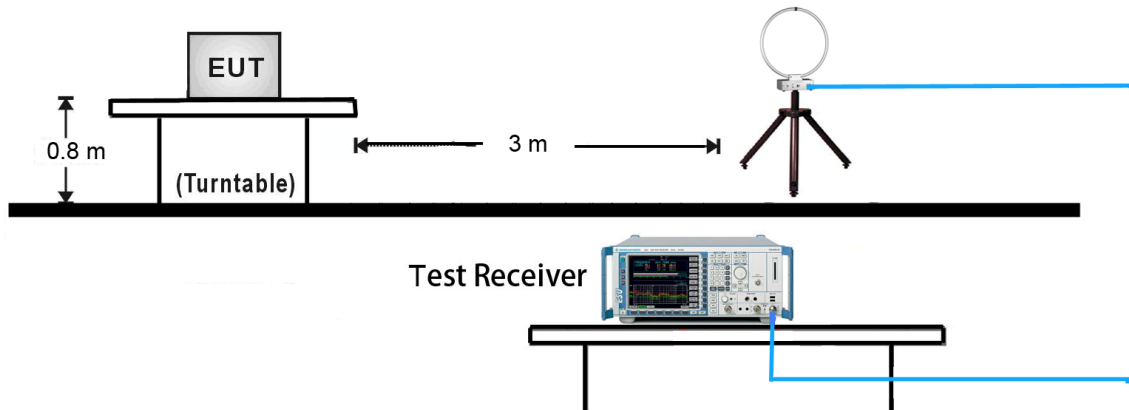
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

**Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r02**

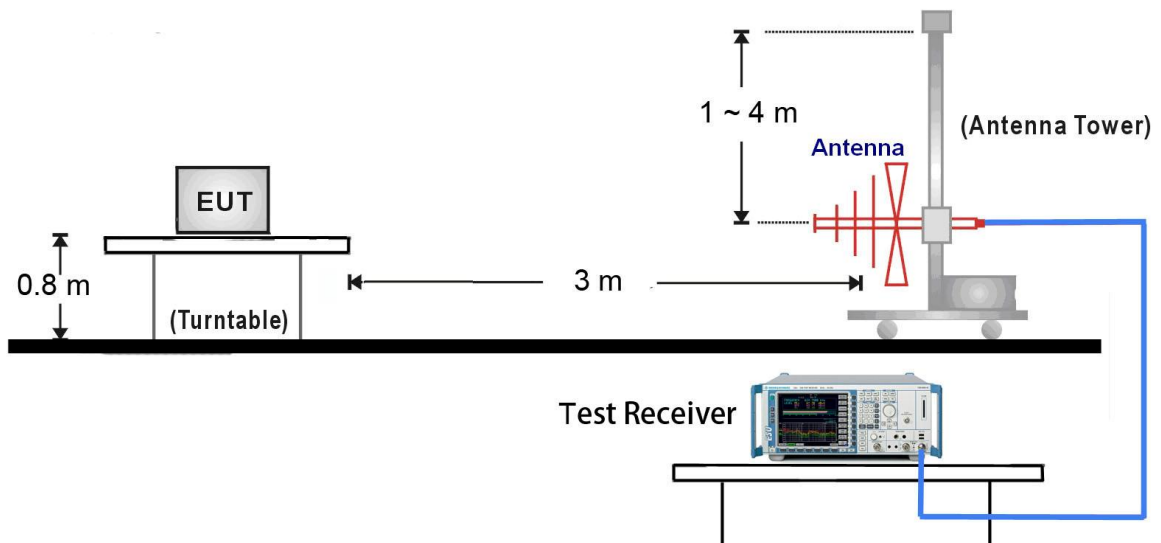
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq$  1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB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

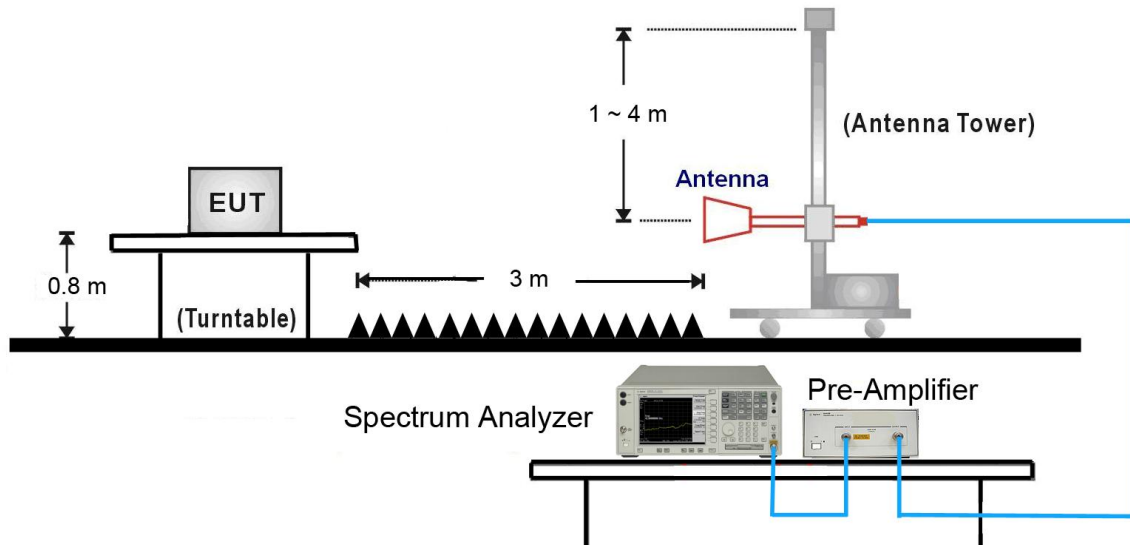
##### 9kHz ~ 30MHz Test Setup:



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



### 1GHz ~ 25GHz Test Setup:



### 7.6.5. Test Result

Test Mode:	802.11g	Test Site:	AC1
Test Channel:	06	Test Engineer:	Milo Li
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. <b>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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3026.5	37.0	3.4	40.4	69.0	-28.6	Peak	Horizontal
*	3562.3	36.9	4.1	41.0	69.0	-28.0	Peak	Horizontal
	4874.0	37.0	6.6	43.6	74.0	-30.4	Peak	Horizontal
	7311.0	35.6	14.0	49.6	74.0	-24.4	Peak	Horizontal
*	3025.4	37.2	3.4	40.6	69.0	-28.4	Peak	Vertical
*	3523.4	37.3	3.9	41.2	69.0	-27.8	Peak	Vertical
	4874.0	37.2	6.6	43.8	74.0	-30.2	Peak	Vertical
	7311.0	35.3	14.0	49.3	74.0	-24.7	Peak	Vertical

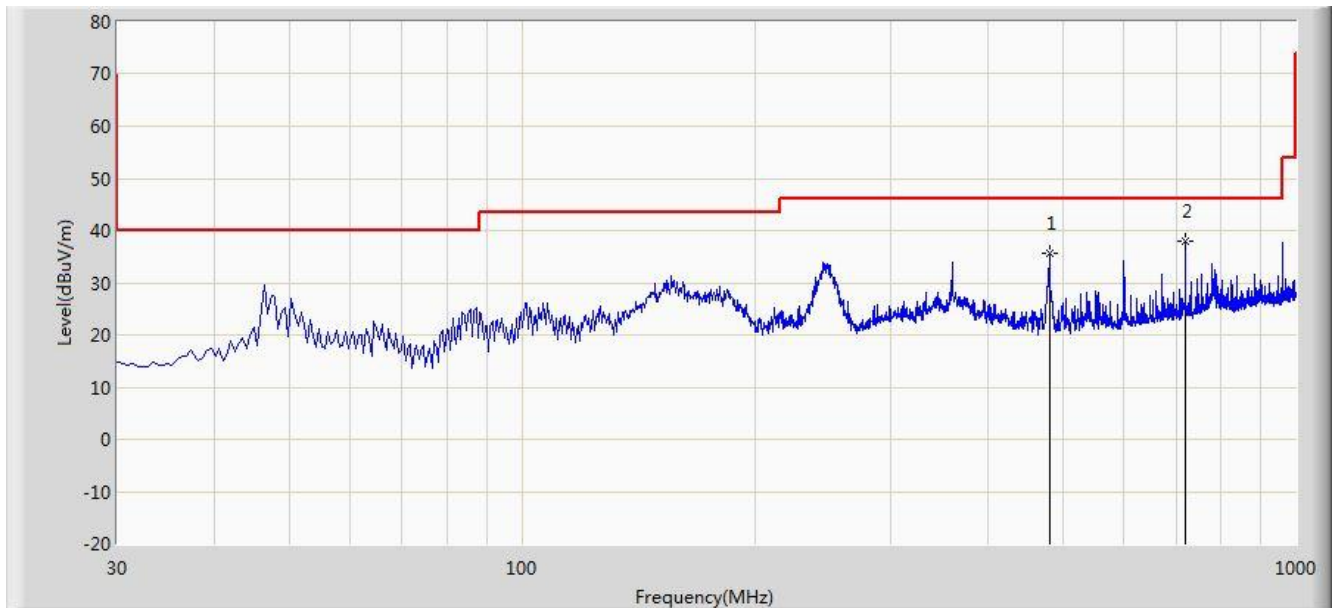
Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (89.0dBμV/m).

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:

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 11:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	



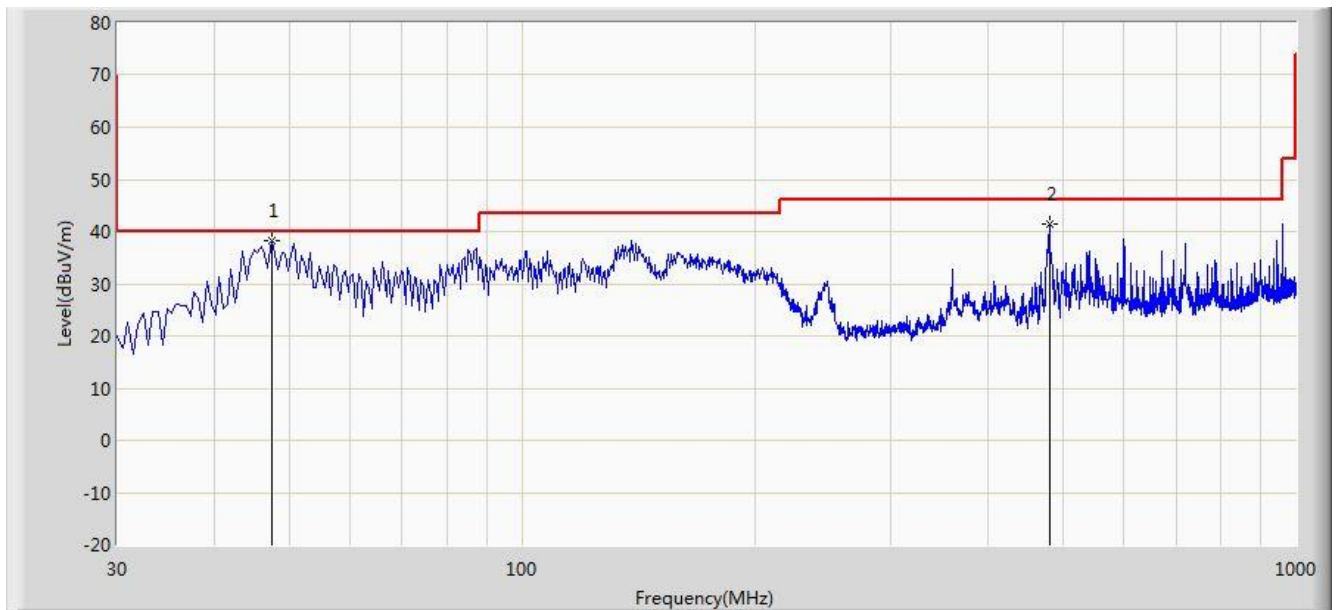
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			480.080	35.713	18.299	-10.287	46.000	17.414	QP
2		*	720.155	37.834	16.668	-8.166	46.000	21.166	QP

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

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



Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 11:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	

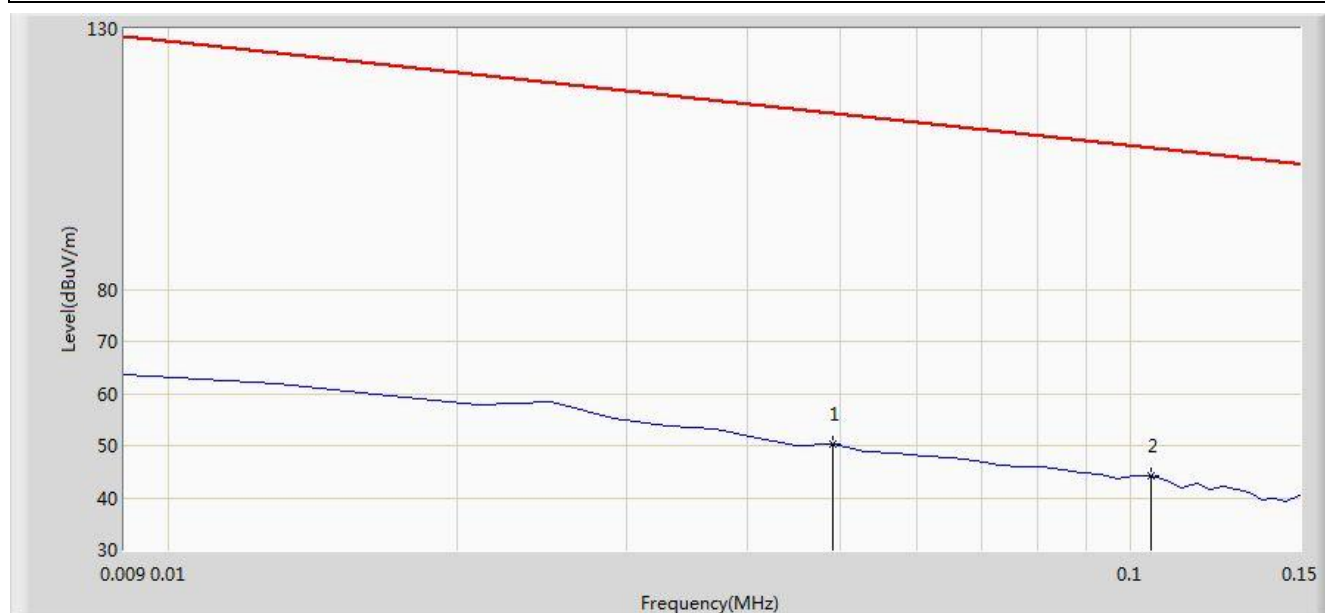


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	47.460	38.296	23.497	-1.704	40.000	14.799	QP
2			480.080	41.526	24.112	-4.474	46.000	17.414	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/08 - 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

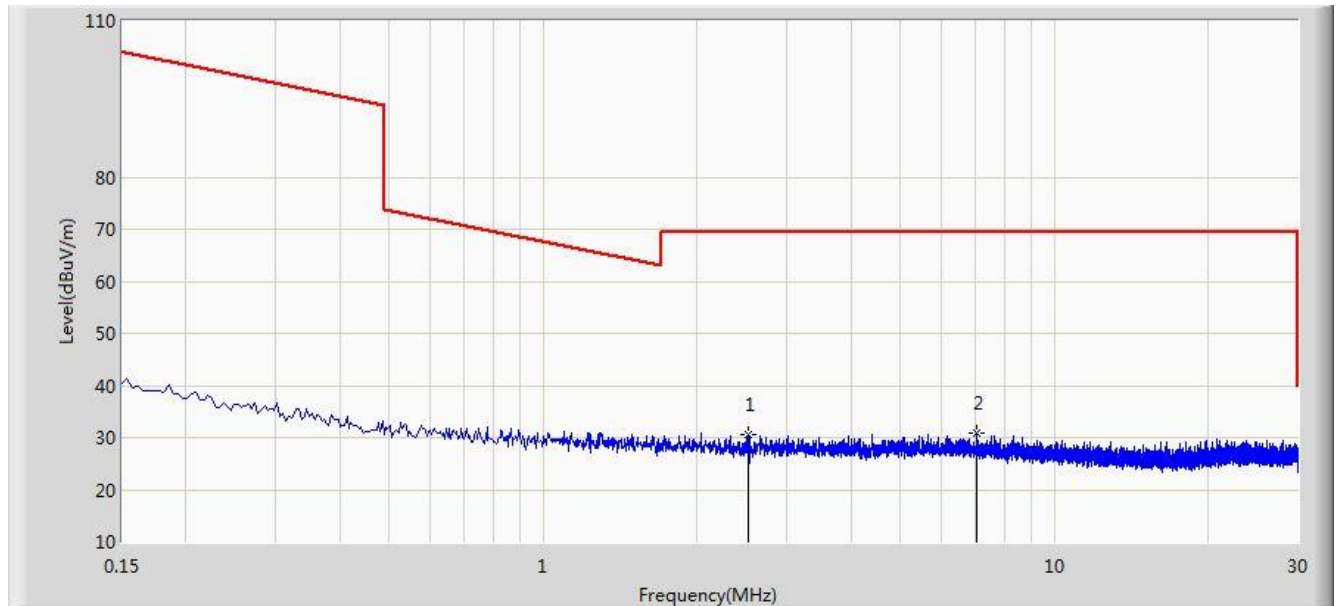


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.049	50.366	29.861	-63.423	113.789	20.505	QP
2		*	0.105	44.143	23.996	-63.029	107.173	20.147	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/08 - 16:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

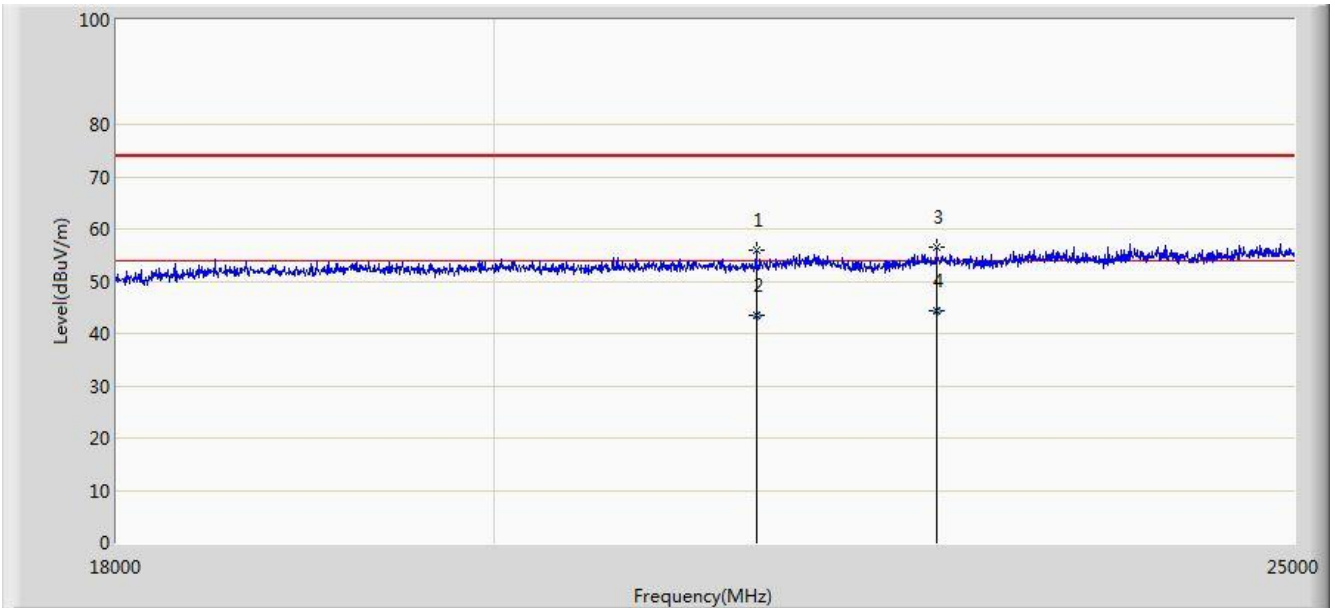


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2.513	30.495	10.336	-39.005	69.500	20.159	QP
2		*	7.041	30.974	10.579	-38.526	69.500	20.395	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/08 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18 ~ 25GHz.</b>	

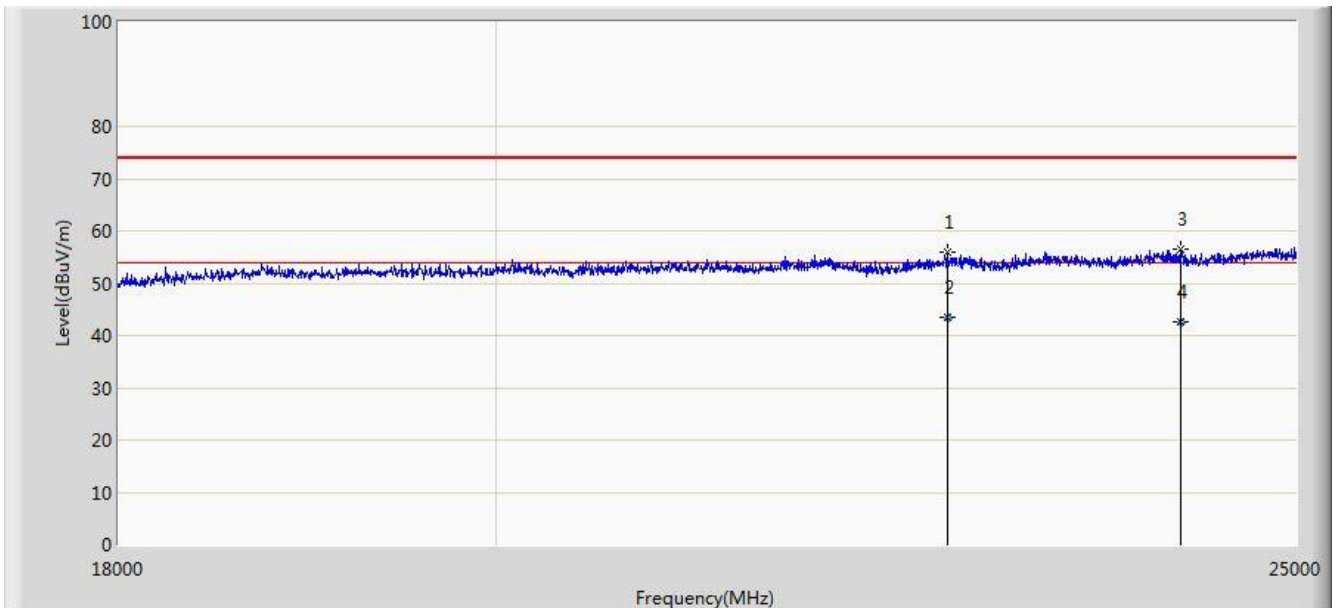


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			21517.500	55.869	17.883	-18.131	74.000	37.986	PK
2			21517.650	43.351	5.365	-10.649	54.000	37.986	AV
3			22630.500	56.509	18.223	-17.491	74.000	38.286	PK
4		*	22630.540	44.310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

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/10/08 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	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			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

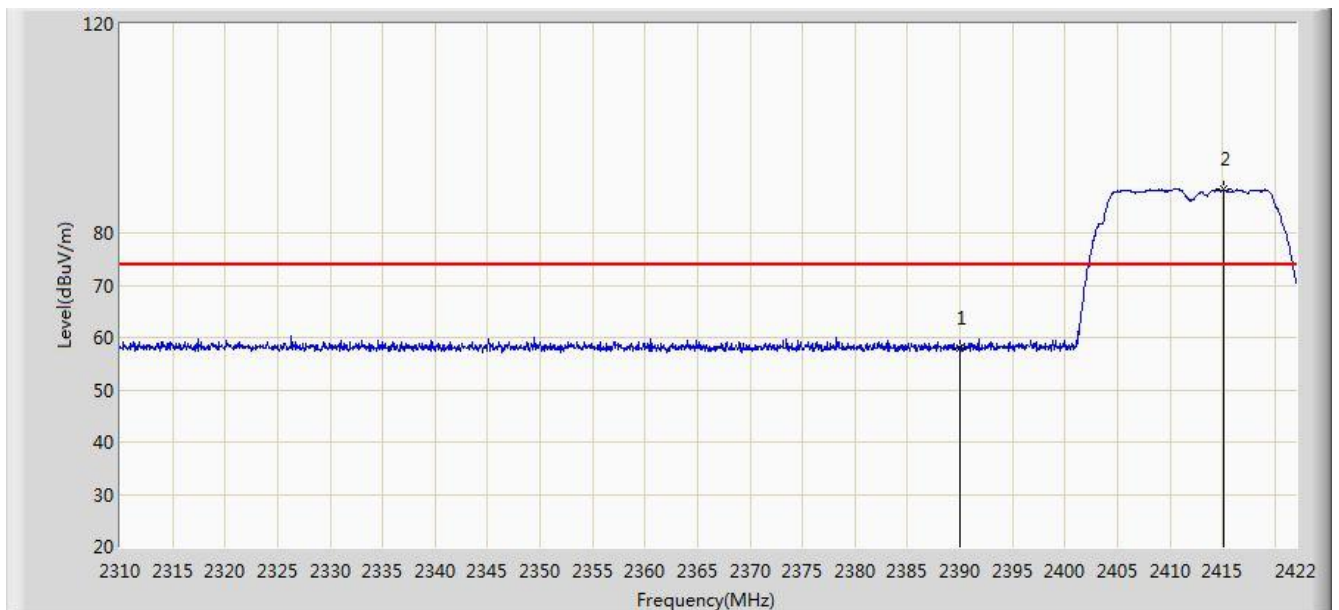
Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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: 2014/10/08 - 14:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	

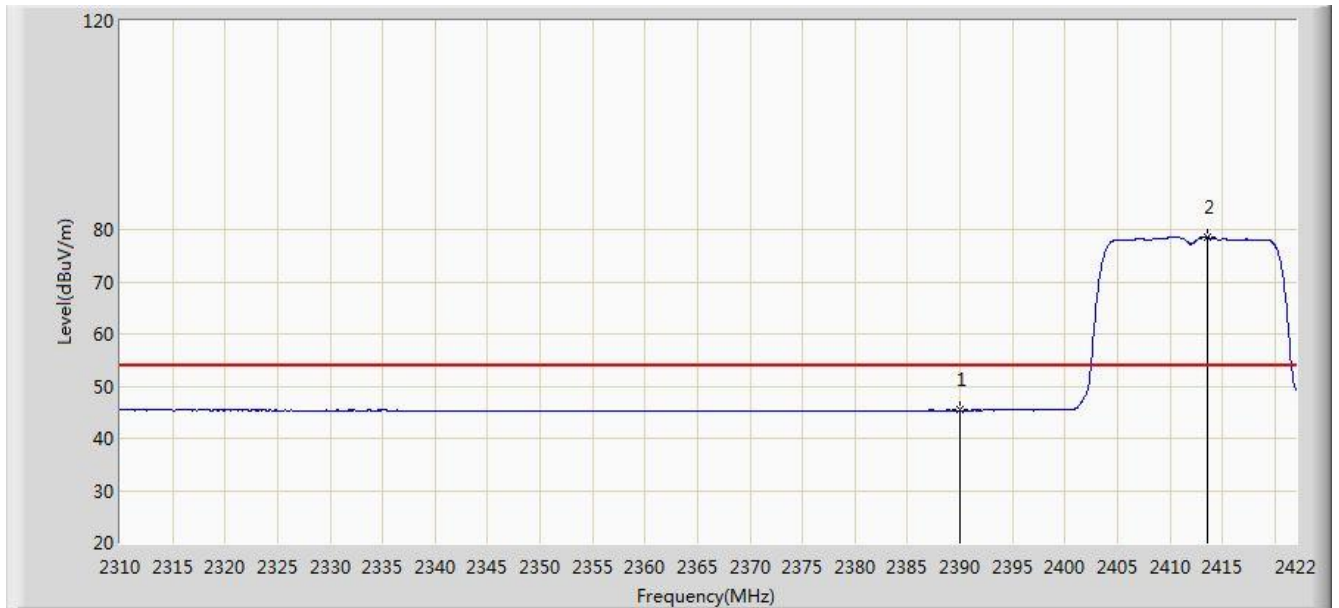


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	58.075	27.391	-15.925	74.000	30.684	PK
2		*	2415.168	88.354	57.715	N/A	N/A	30.639	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	

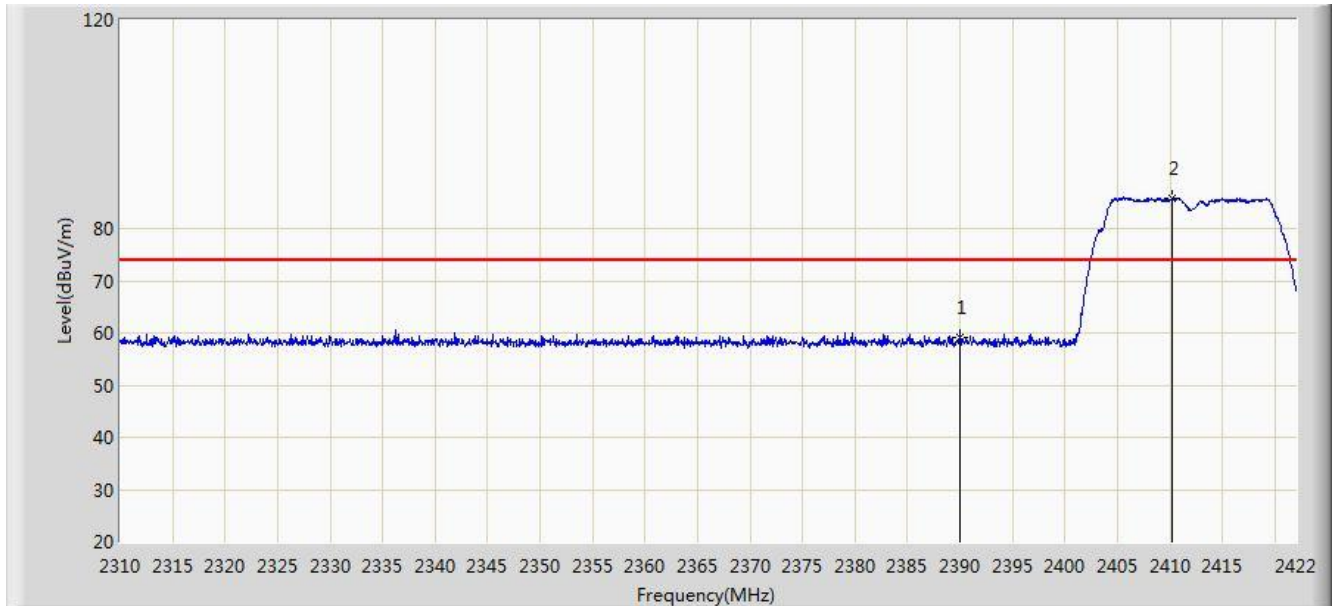


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.372	14.688	-8.628	54.000	30.684	AV
2		*	2413.600	78.461	47.819	N/A	N/A	30.642	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	



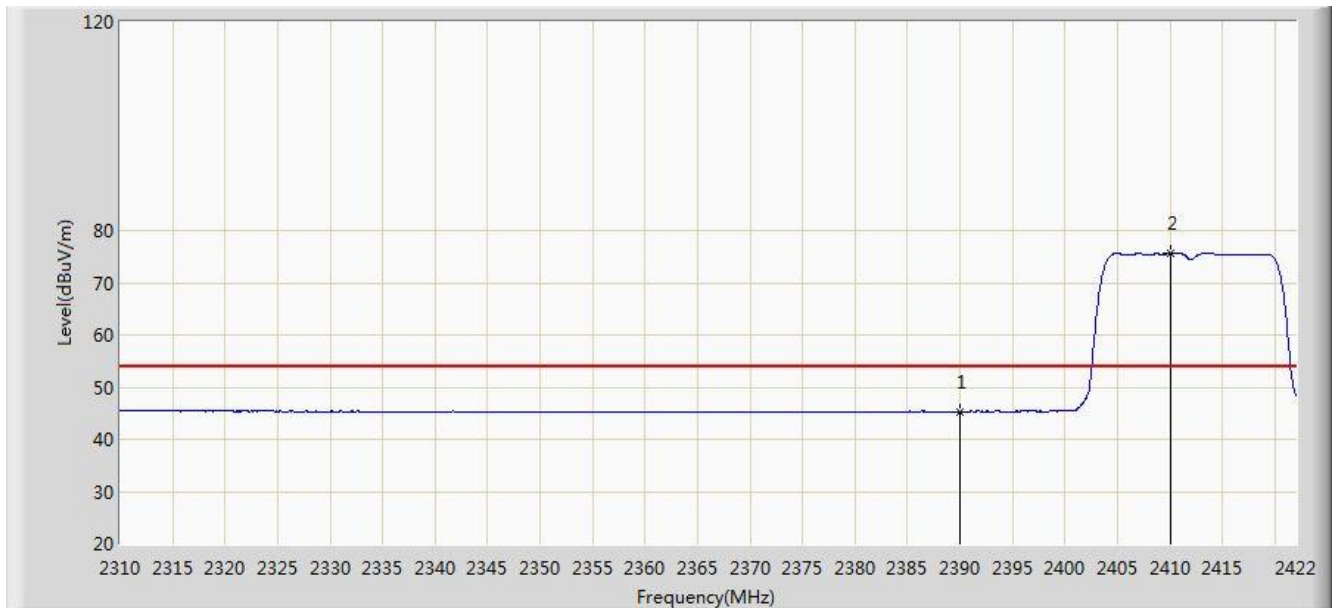
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	59.035	28.351	-14.965	74.000	30.684	PK
2		*	2410.184	85.754	55.107	N/A	N/A	30.647	PK

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

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



Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11g at channel 2412MHz	

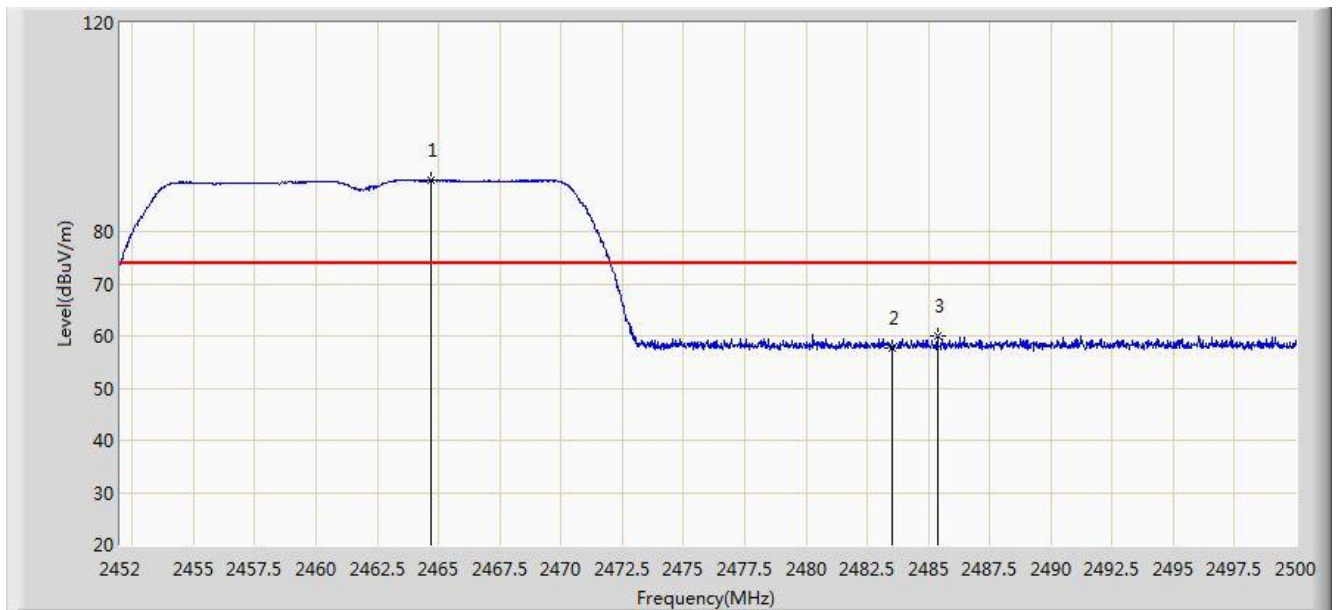


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.336	14.652	-8.664	54.000	30.684	AV
2		*	2410.072	75.637	44.989	N/A	N/A	30.648	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11n-HT20 at channel 2462MHz	

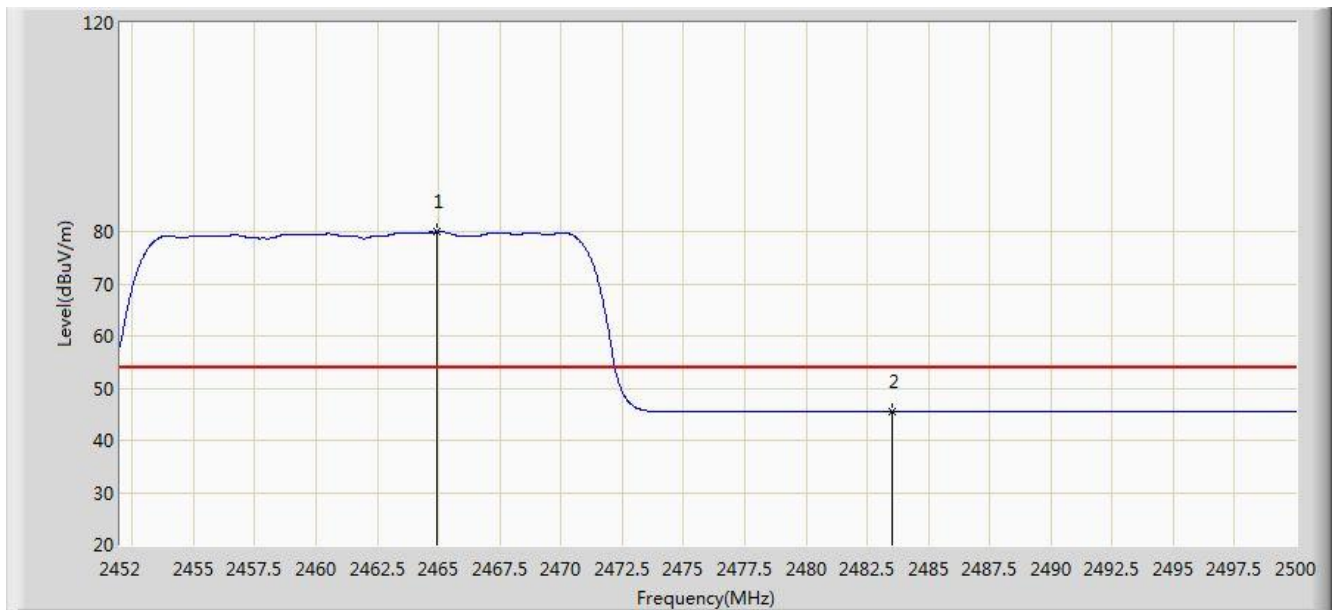


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.672	89.758	59.140	N/A	N/A	30.618	PK
2			2483.500	57.823	27.150	-16.177	74.000	30.673	PK
3			2485.384	59.974	29.296	-14.026	74.000	30.678	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11n-HT20 at channel 2462MHz	

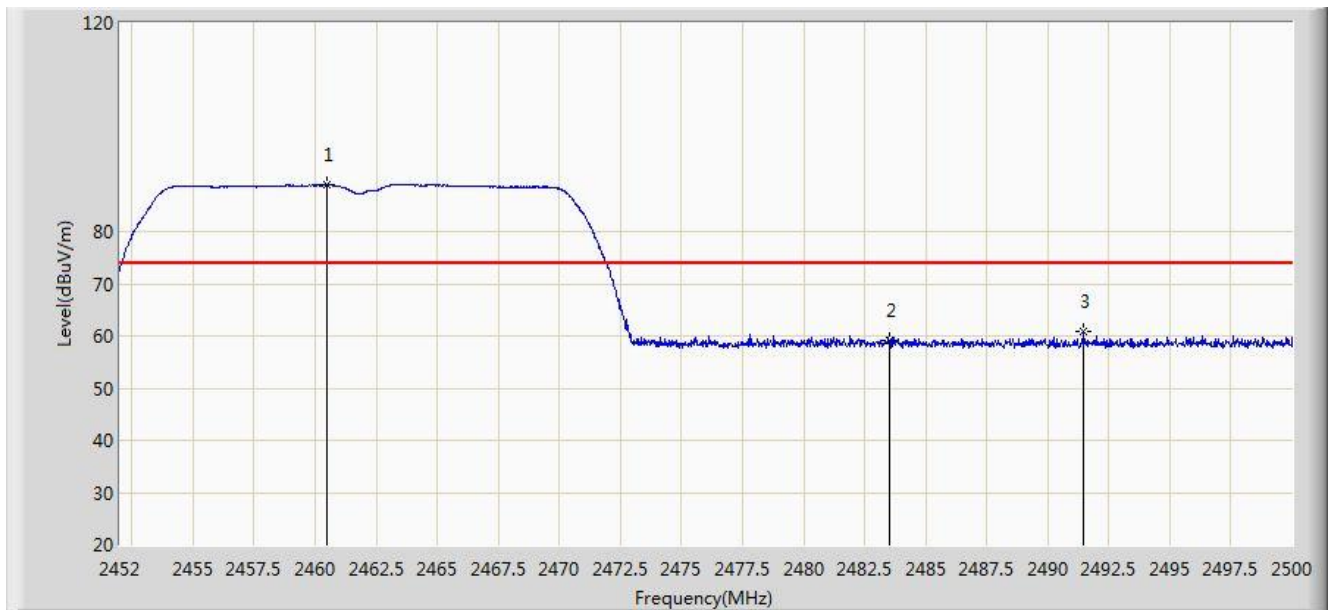


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.960	79.874	49.256	N/A	N/A	30.618	AV
2			2483.500	45.538	14.865	-8.462	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11n-HT20 at channel 2462MHz	

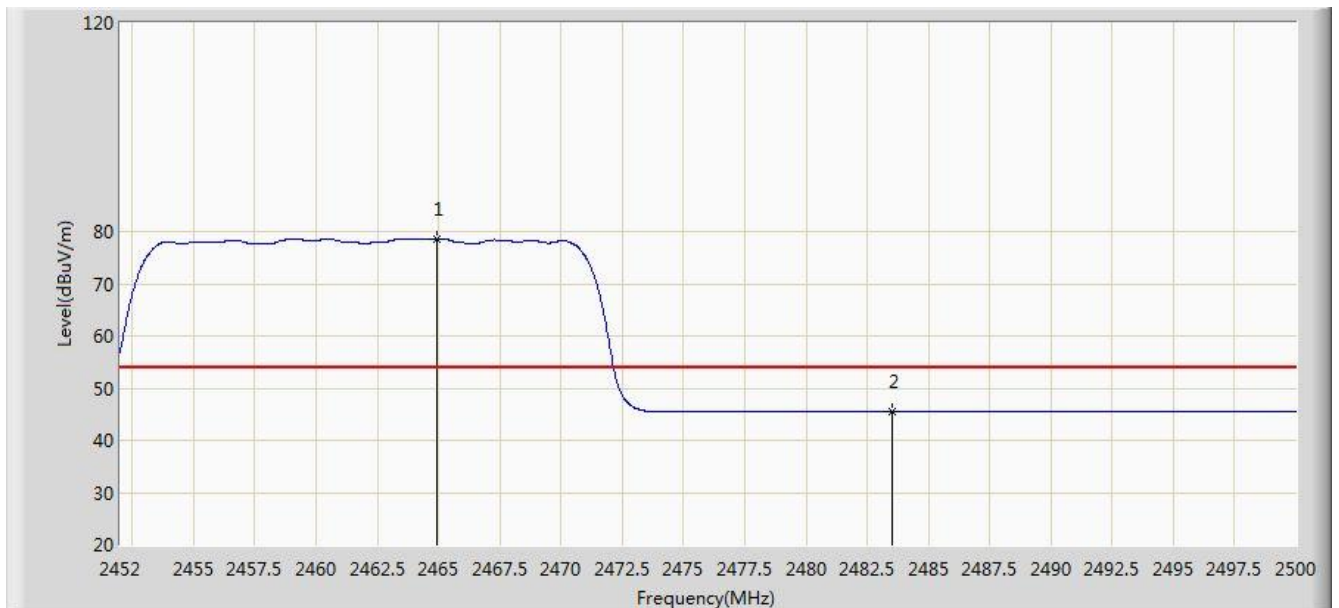


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.496	88.907	58.298	N/A	N/A	30.609	PK
2			2483.500	59.167	28.494	-14.833	74.000	30.673	PK
3			2491.480	60.726	30.030	-13.274	74.000	30.696	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/10/08 - 14:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
<b>Worst Case Mode:</b> 802.11n-HT20 at channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.960	78.635	48.017	N/A	N/A	30.618	AV
2			2483.500	45.521	14.848	-8.479	54.000	30.673	AV

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

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

## 7.8. AC Conducted Emissions Measurement

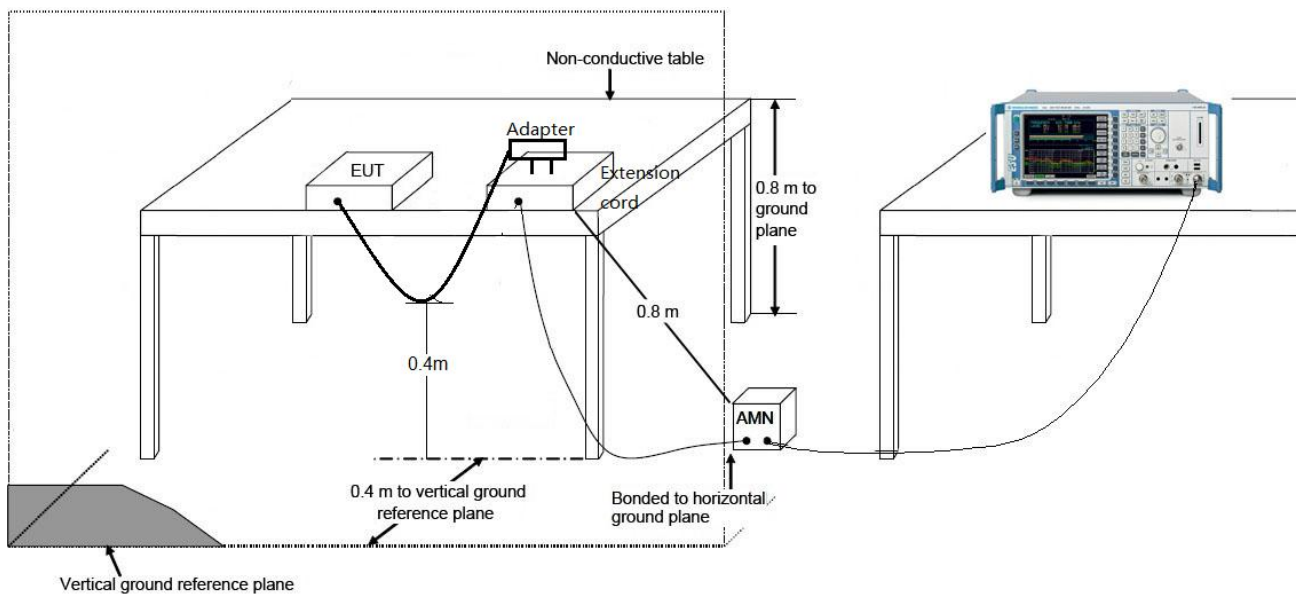
### 7.8.1. Test Limit

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.

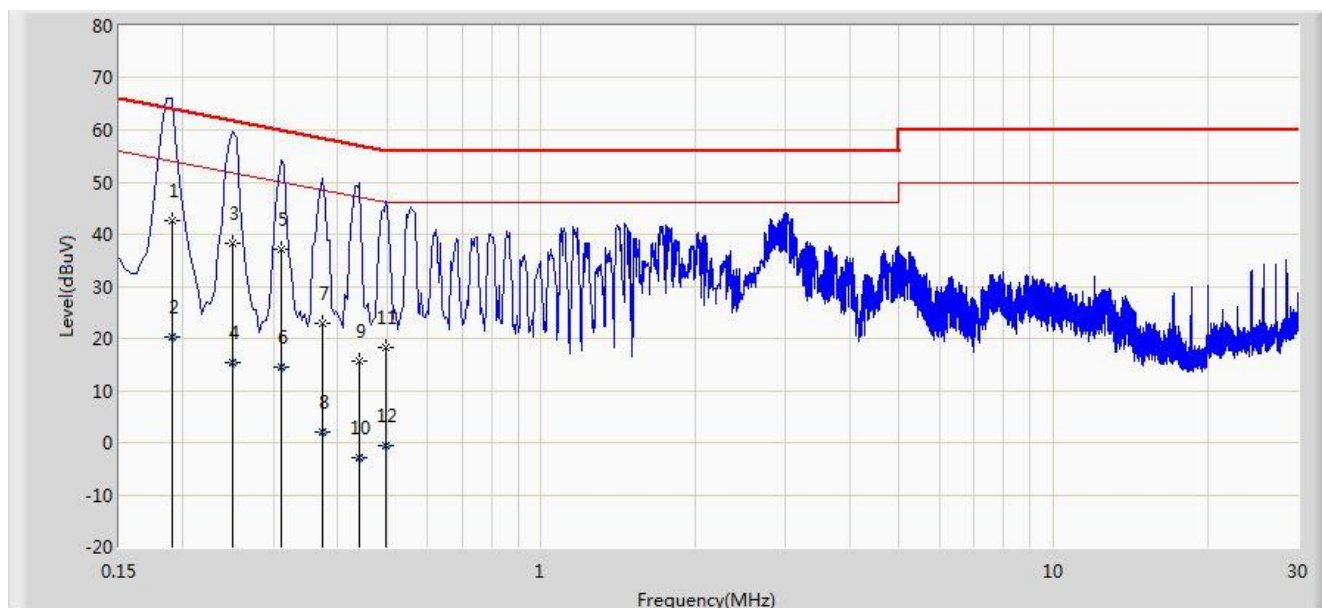
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.8.2. Test Setup



### 7.8.3. Test Result

Engineer: Milo Li	
Site: SR2	Time: 2014/10/10 - 09:09
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Wifi Digital Microscope Camera	Power: AC 120V/60Hz
Note: Normal Operation	



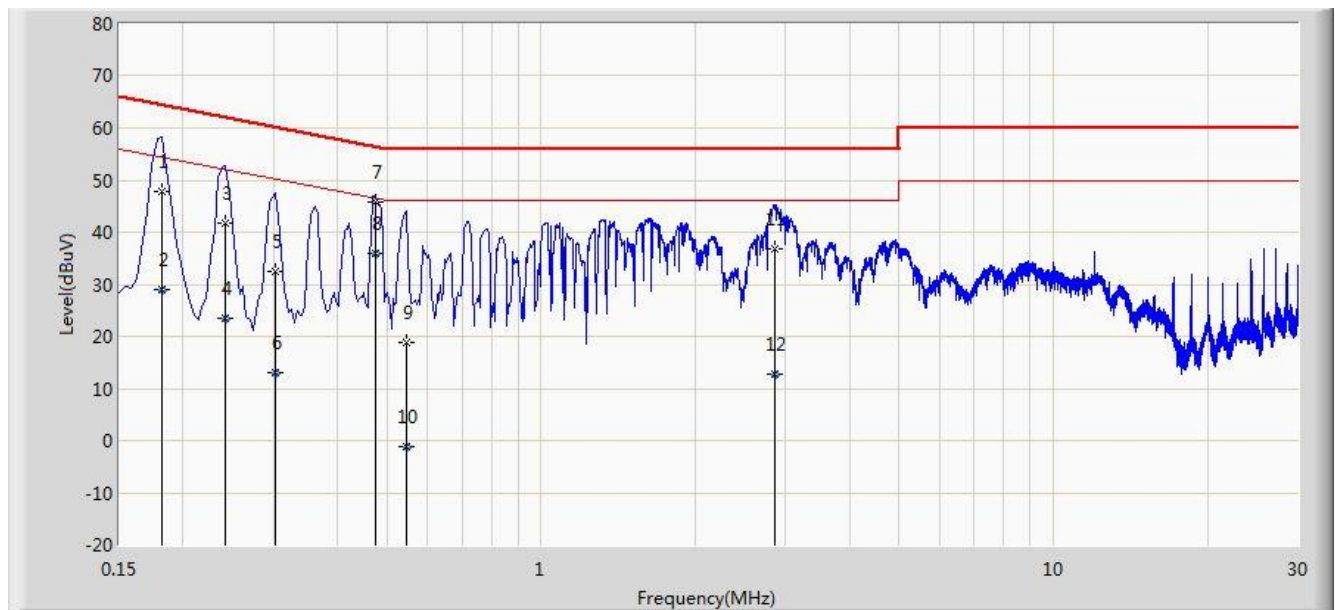
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.190	42.724	32.695	-21.313	64.037	10.029	QP
2			0.190	20.324	10.295	-33.713	54.037	10.029	AV
3			0.250	38.233	28.269	-23.524	61.757	9.964	QP
4			0.250	15.447	5.483	-36.310	51.757	9.964	AV
5			0.310	37.080	27.068	-22.891	59.970	10.012	QP
6			0.310	14.603	4.591	-35.368	49.970	10.012	AV
7			0.374	22.809	12.745	-35.602	58.412	10.064	QP
8			0.374	1.939	-8.125	-46.472	48.412	10.064	AV
9			0.442	15.766	5.646	-41.258	57.024	10.120	QP
10			0.442	-3.015	-13.135	-50.039	47.024	10.120	AV
11			0.498	18.359	8.202	-37.674	56.033	10.157	QP
12			0.498	-0.436	-10.593	-46.469	46.033	10.157	AV

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

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



Engineer: Milo Li	
Site: SR2	Time: 2014/10/10 - 09:20
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Wifi Digital Microscope Camera	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			0.182	47.900	37.858	-16.494	64.394	10.042	QP
2			0.182	28.921	18.879	-25.473	54.394	10.042	AV
3			0.242	41.743	31.748	-20.284	62.027	9.995	QP
4			0.242	23.447	13.452	-28.581	52.027	9.995	AV
5			0.302	32.432	22.393	-27.756	60.188	10.039	QP
6			0.302	12.946	2.907	-37.241	50.188	10.039	AV
7			0.474	45.698	35.531	-10.746	56.444	10.167	QP
8		*	0.474	36.073	25.906	-10.371	46.444	10.167	AV
9			0.546	18.915	8.754	-37.085	56.000	10.161	QP
10			0.546	-1.281	-11.442	-47.281	46.000	10.161	AV
11			2.858	36.848	26.998	-19.152	56.000	9.850	QP
12			2.858	12.740	2.890	-33.260	46.000	9.850	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 **Wifi Digital Microscope Camera** **FCC ID: 2AC5ZUM018** is in compliance with Part 15C of the FCC Rules.