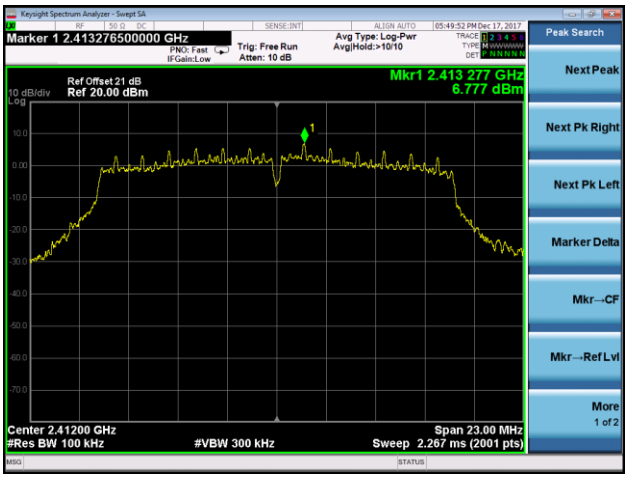
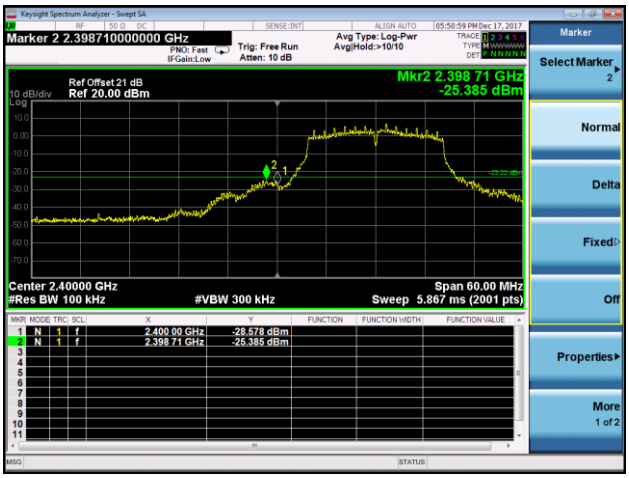
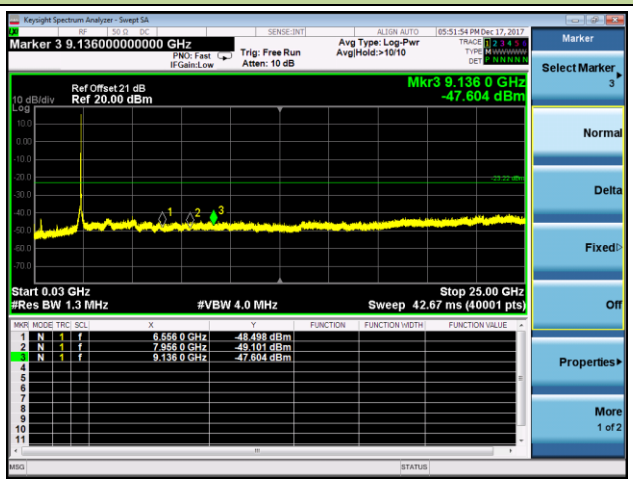
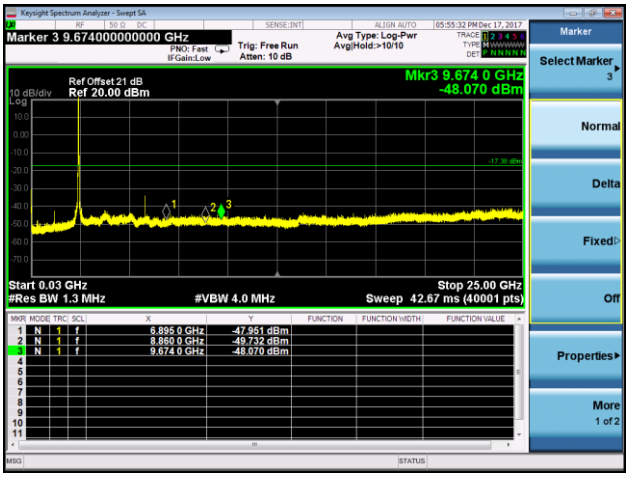
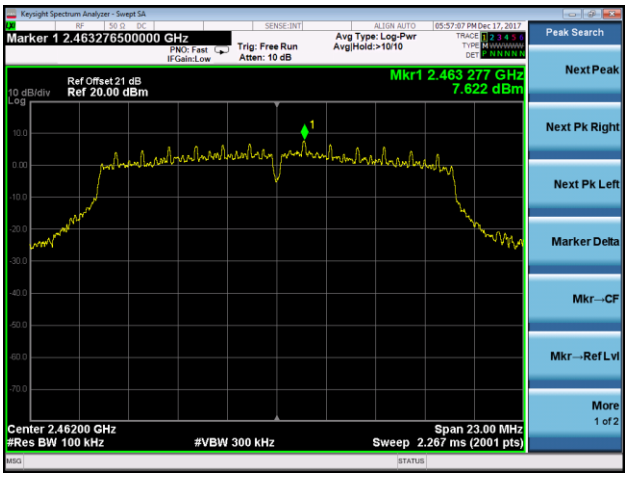
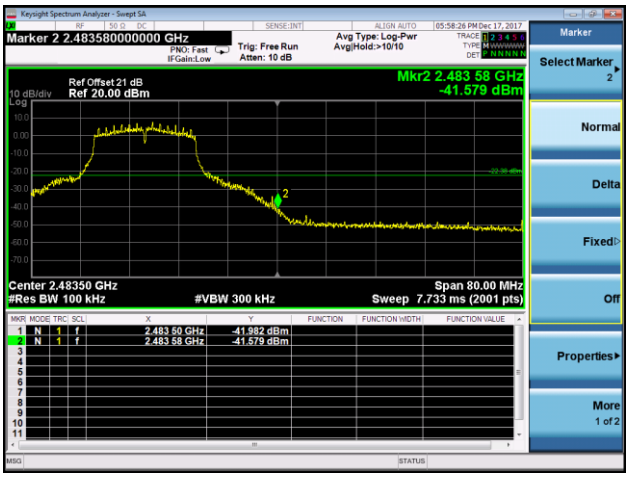
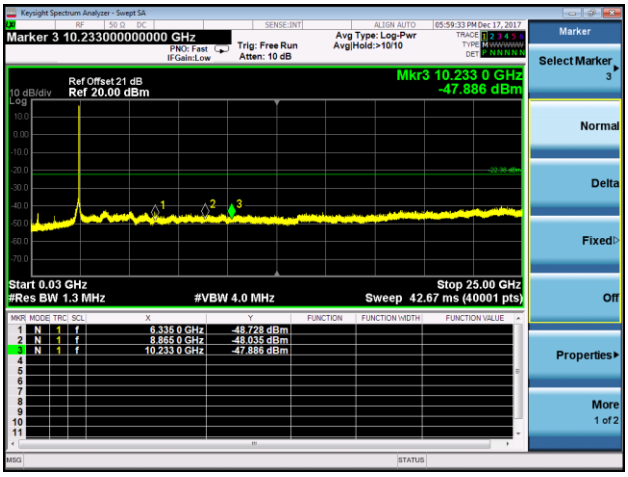
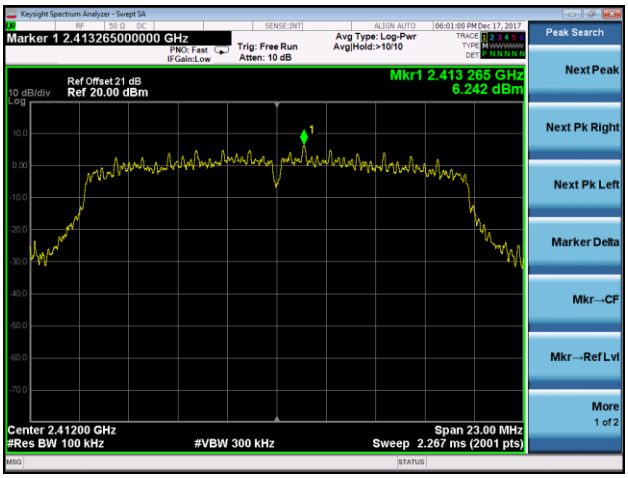
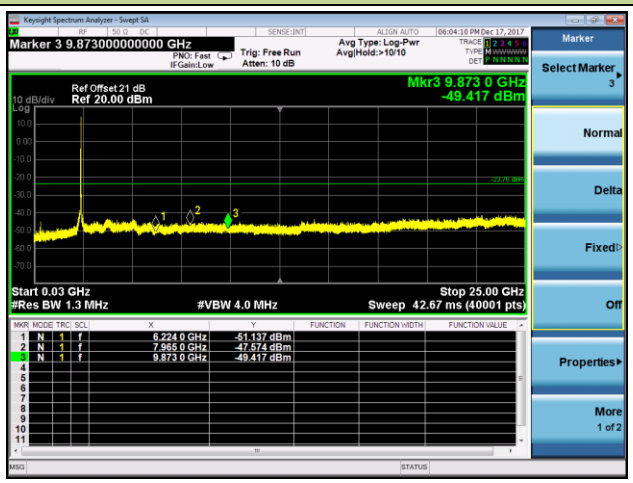
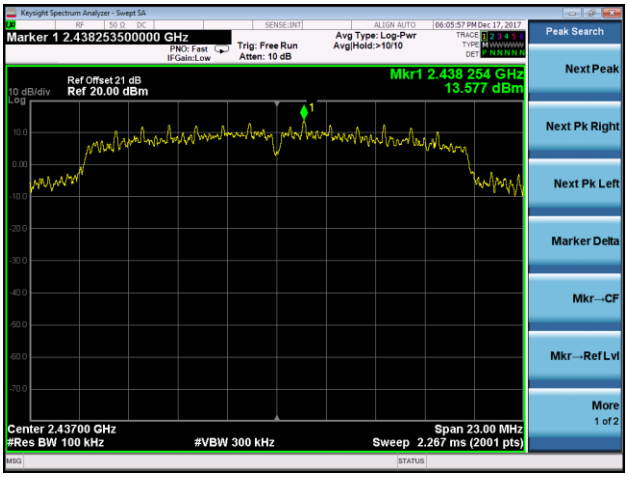
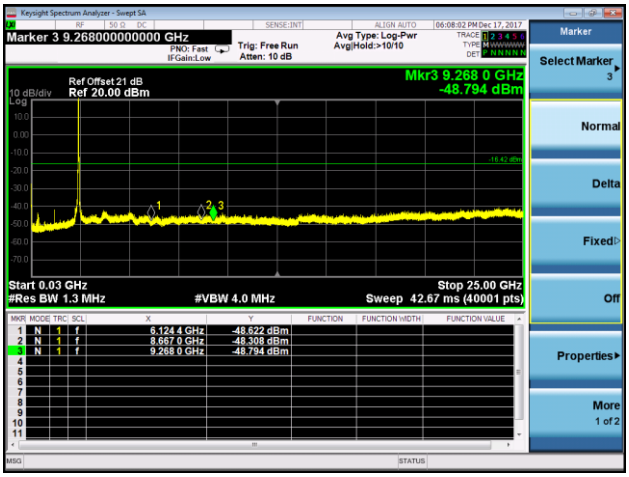
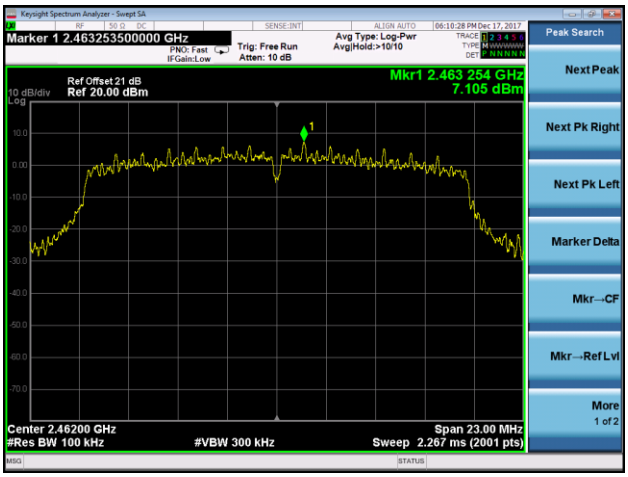
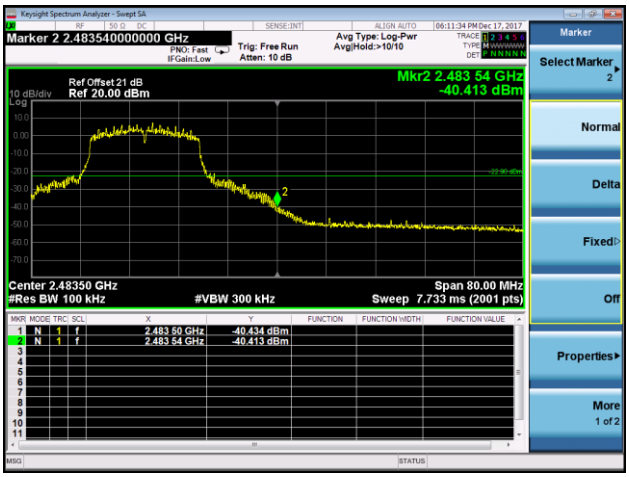
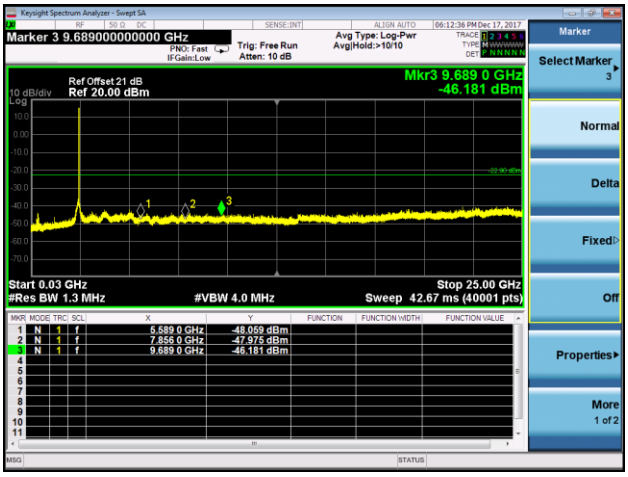
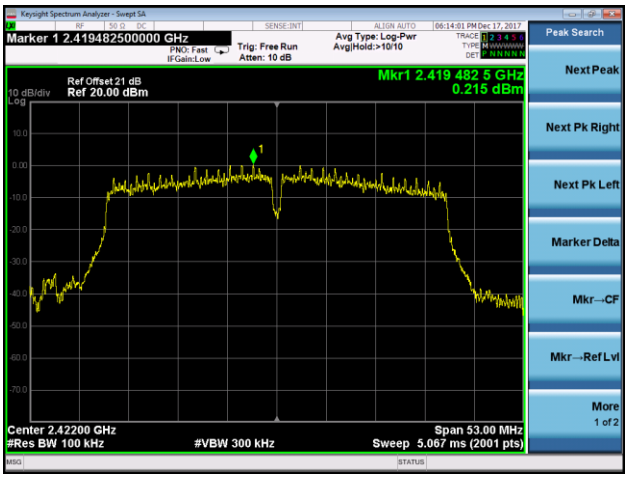
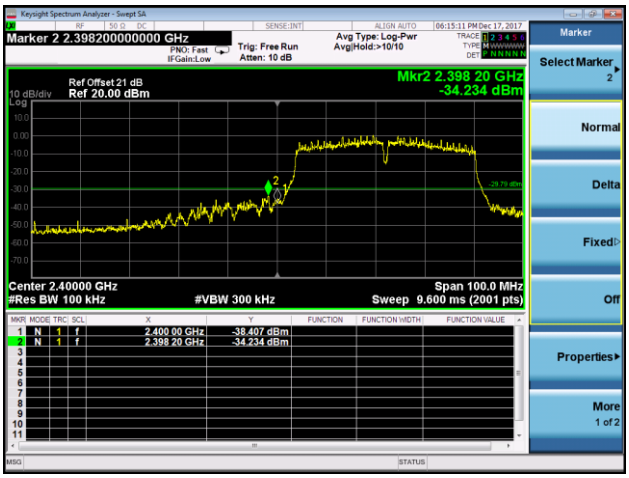
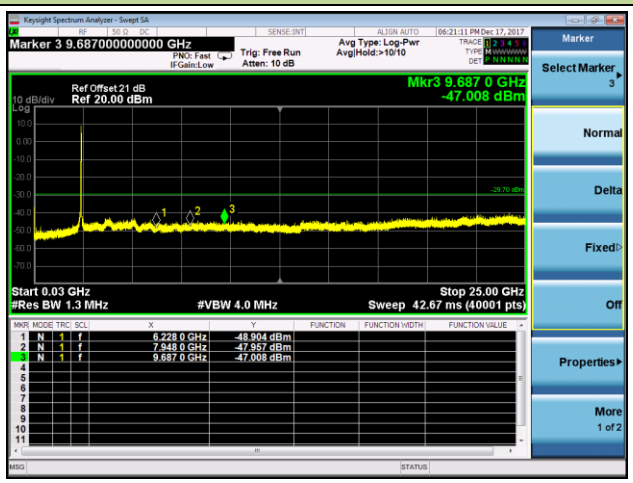
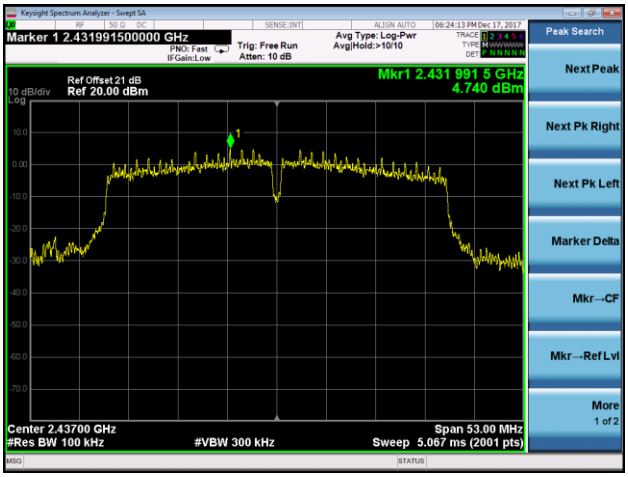
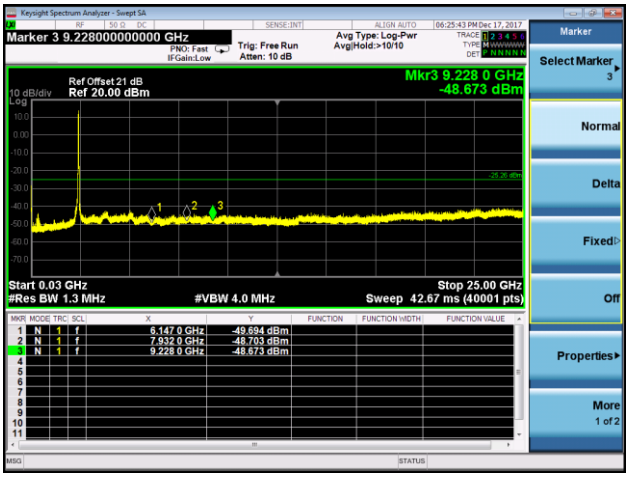
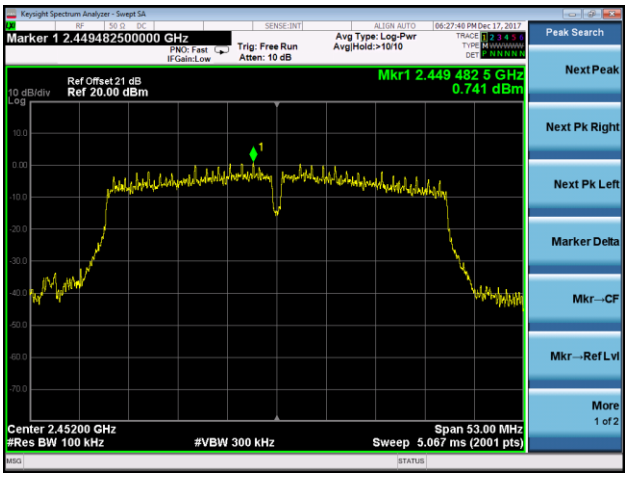
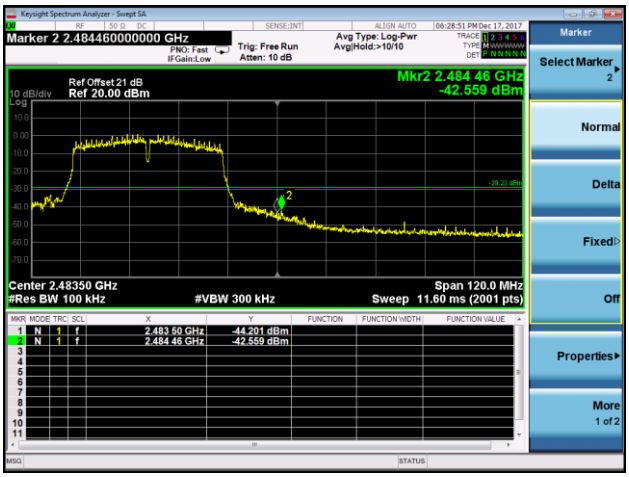
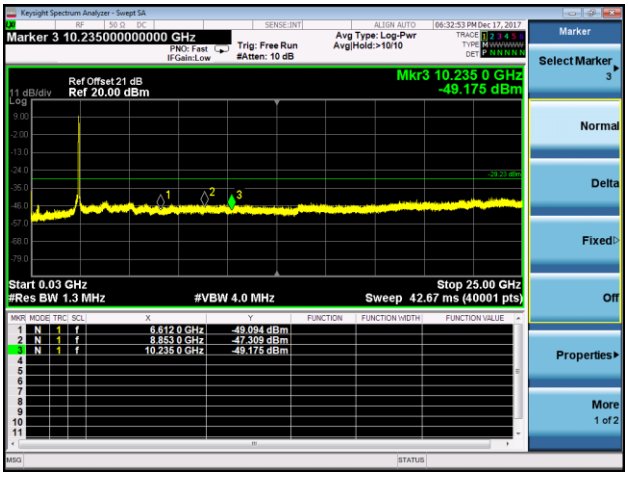
802.11g Out-of-Band Emissions- Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	
100kHz PSD reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD reference Level	Spurious Emission
	

Channel 11 (2462MHz)	
100kHz PSD reference Level	High Band Edge
	
Spurious Emission	
	

802.11n-HT20 Out-of-Band Emissions- Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	
100kHz PSD reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD reference Level	Spurious Emission
	

Channel 11 (2462MHz)	
100kHz PSD reference Level	High Band Edge
	
Spurious Emission	
	

802.11n-HT40 Out-of-Band Emissions- Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	
100kHz PSD reference Level	Low Band Edge
	
Spurious Emission	
	
Channel 06 (2437MHz)	
100kHz PSD reference Level	Spurious Emission
	

Channel 09 (2452MHz)	
100kHz PSD reference Level	High Band Edge
	
Spurious Emission	
	

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

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

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

7.6.3.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 = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

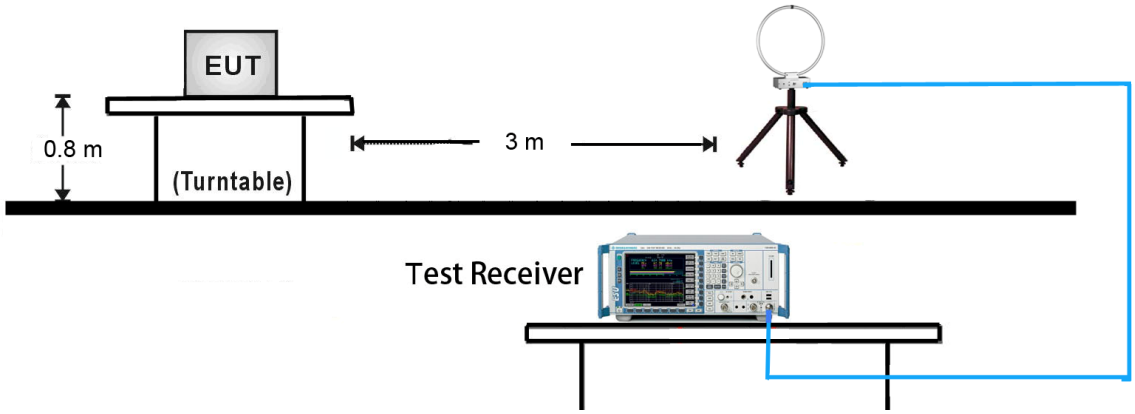
Table 1 - RBW as a function of frequency	
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

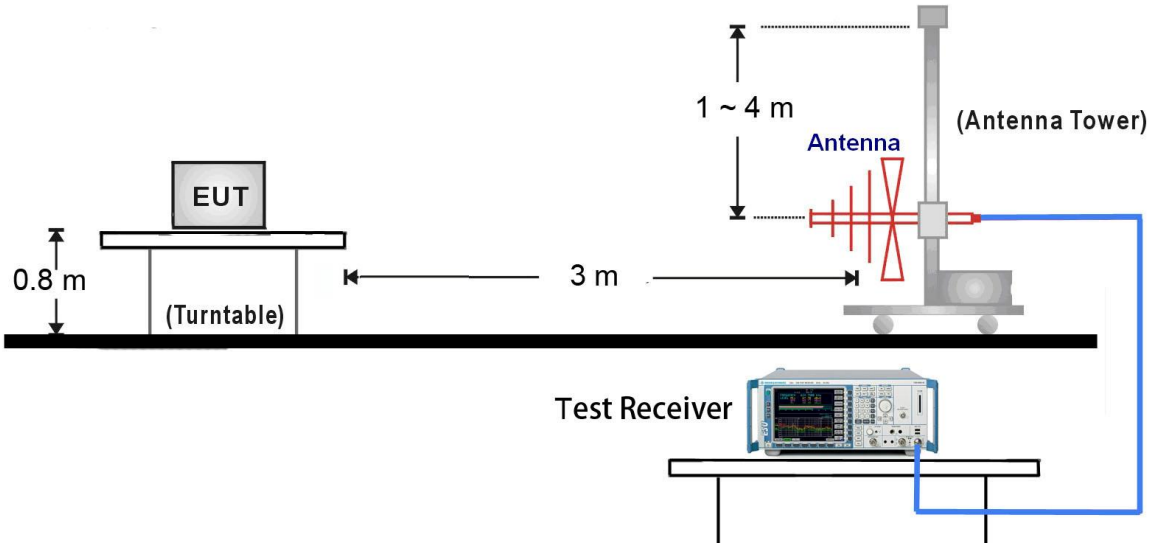
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

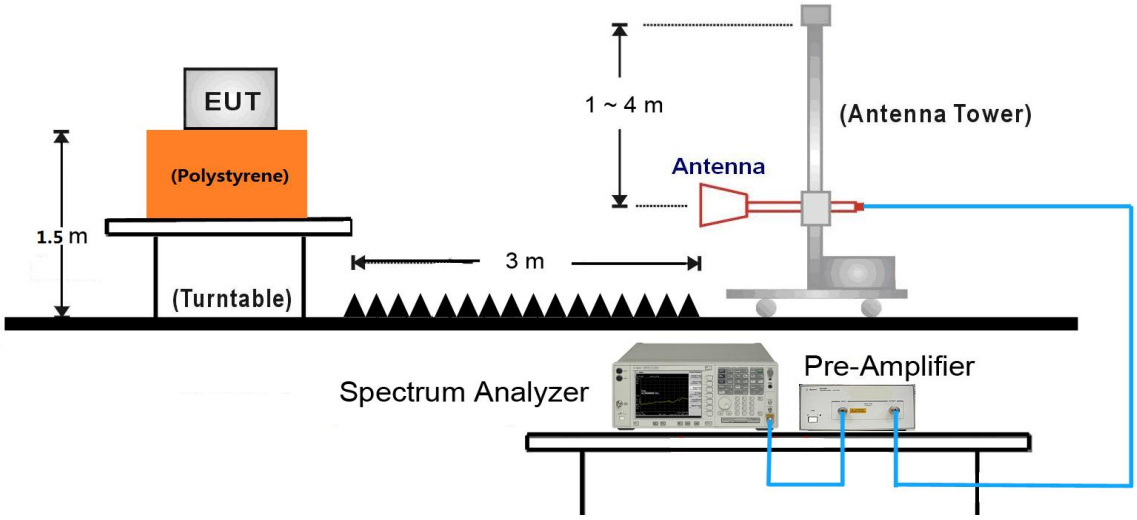
9kHz ~ 30MHz Test Setup:



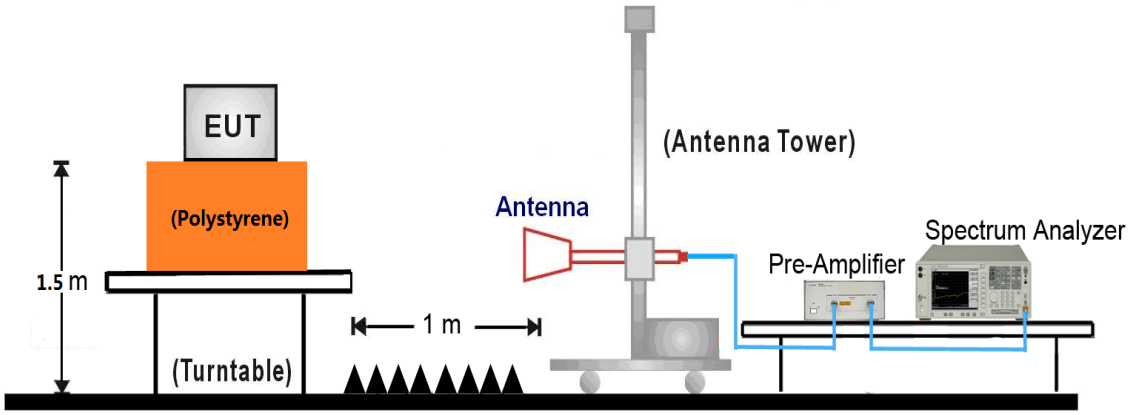
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5.Test Result

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11b	Test Channel:	01
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
	4825.0	46.4	5.6	52.0	74.0	-22.0	Peak	Horizontal
*	7239.0	40.1	13.9	54.0	87.2	-33.2	Peak	Horizontal
	8148.5	32.2	14.5	46.7	74.0	-27.3	Peak	Horizontal
*	9729.5	32.3	16.5	48.8	87.2	-38.4	Peak	Horizontal
	4825.0	48.2	5.6	53.7	74.0	-20.3	Peak	Vertical
	4825.0	47.2	5.6	52.8	54.0	-1.2	Average	Vertical
*	7239.0	44.8	13.9	58.7	87.2	-28.5	Peak	Vertical
	8131.5	31.5	14.5	46.0	74.0	-28.0	Peak	Vertical
*	9636.0	32.2	16.2	48.4	87.2	-38.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.2dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11b	Test Channel:	06
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
	4876.0	42.9	5.6	48.5	74.0	-25.5	Peak	Horizontal
*	6423.0	34.1	9.7	43.8	84.0	-40.2	Peak	Horizontal
	7307.0	37.8	13.7	51.5	74.0	-22.5	Peak	Horizontal
*	10035.5	31.5	17.7	49.2	84.0	-34.8	Peak	Horizontal
	4876.0	46.5	5.6	52.1	74.0	-21.9	Peak	Vertical
*	6295.5	35.3	8.9	44.2	84.0	-39.8	Peak	Vertical
	7315.5	43.6	13.7	57.3	74.0	-16.7	Peak	Vertical
	7315.5	38.8	13.7	52.5	54.0	-1.5	Average	Vertical
*	9695.5	32.0	16.3	48.3	84.0	-35.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.0dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11b	Test Channel:	11
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
	4927.0	45.5	5.7	51.2	74.0	-22.8	Peak	Horizontal
*	6355.0	34.5	9.3	43.8	83.8	-40.0	Peak	Horizontal
	7386.0	37.6	13.9	51.4	74.0	-22.6	Peak	Horizontal
*	9721.0	31.9	16.4	48.3	83.8	-35.5	Peak	Horizontal
	4927.0	47.2	5.7	52.9	74.0	-21.1	Peak	Vertical
*	6355.0	34.5	9.3	43.8	83.8	-40.0	Peak	Vertical
	7383.5	43.1	13.9	57.0	74.0	-17.0	Peak	Vertical
	7383.5	38.4	13.9	52.3	54.0	-1.7	Average	Vertical
*	10035.5	31.5	17.7	49.2	83.8	-34.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.8dBμV/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)

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11g	Test Channel:	01
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
	4825.0	47.4	5.6	53.0	74.0	-21.0	Peak	Horizontal
*	7236.0	35.7	13.9	49.6	82.4	-32.8	Peak	Horizontal
	8344.0	32.1	13.9	46.0	74.0	-28.0	Peak	Horizontal
*	10120.5	33.1	18.0	51.0	82.4	-31.4	Peak	Horizontal
	4825.0	44.5	5.6	50.1	54.0	-3.9	Average	Vertical
	4825.0	52.1	5.6	57.7	74.0	-16.3	Peak	Vertical
*	7236.0	41.3	13.9	55.2	82.4	-27.2	Peak	Vertical
	8480.0	33.1	14.1	47.1	74.0	-26.9	Peak	Vertical
*	10120.5	33.1	18.0	51.0	82.4	-31.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.4dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11g	Test Channel:	06
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
	4873.5	41.2	5.6	46.8	54.0	-7.2	Average	Horizontal
	4873.5	52.9	5.6	58.5	74.0	-15.5	Peak	Horizontal
*	6100.0	34.1	8.3	42.4	83.9	-41.5	Peak	Horizontal
	7315.5	30.3	13.7	44.0	54.0	-10.0	Average	Horizontal
	7315.5	42.1	13.7	55.8	74.0	-18.2	Peak	Horizontal
*	10163.0	31.4	17.8	49.2	83.9	-34.7	Peak	Horizontal
	4876.0	47.1	5.6	52.7	54.0	-1.3	Average	Vertical
	4876.0	57.5	5.6	63.1	74.0	-10.9	Peak	Vertical
*	6100.0	34.0	8.3	42.2	83.9	-41.7	Peak	Vertical
	7307.0	36.9	13.7	50.6	54.0	-3.4	Average	Vertical
	7307.0	48.4	13.7	62.1	74.0	-11.9	Peak	Vertical
*	10027.0	31.0	17.7	48.8	83.9	-35.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.9dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11g	Test Channel:	11
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
	4935.5	40.8	5.7	46.4	54.0	-7.6	Average	Horizontal
	4935.5	50.8	5.7	56.5	74.0	-17.5	Peak	Horizontal
*	6270.0	33.6	9.0	42.5	82.4	-39.9	Peak	Horizontal
	7383.5	40.7	13.9	54.6	74.0	-19.4	Peak	Horizontal
	7383.5	29.2	13.9	43.1	54.0	-10.9	Average	Horizontal
*	9814.5	31.5	17.0	48.5	82.4	-33.9	Peak	Horizontal
	4924.0	45.5	5.7	51.1	54.0	-2.9	Average	Vertical
	4924.0	55.7	5.7	61.3	74.0	-12.7	Peak	Vertical
*	6108.5	34.8	8.3	43.1	82.4	-39.3	Peak	Vertical
	7383.5	35.3	13.9	49.2	54.0	-4.8	Average	Vertical
	7383.5	47.3	13.9	61.1	74.0	-12.9	Peak	Vertical
*	9831.5	31.4	17.2	48.6	82.4	-33.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.4dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT20	Test Channel:	01
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
	4825.0	46.9	5.6	52.4	74.0	-21.6	Peak	Horizontal
*	7230.5	36.6	13.9	50.5	80.0	-29.5	Peak	Horizontal
	8165.5	31.4	14.4	45.9	74.0	-28.1	Peak	Horizontal
*	10010.0	32.1	17.7	49.8	80.0	-30.2	Peak	Horizontal
	4825.0	50.9	5.6	56.4	74.0	-17.6	Peak	Vertical
	4825.0	39.0	5.6	44.5	54.0	-9.5	Average	Vertical
*	7239.0	39.6	13.9	53.5	80.0	-26.5	Peak	Vertical
	8412.0	32.4	13.9	46.2	74.0	-27.8	Peak	Vertical
*	10010.0	32.1	17.7	49.8	80.0	-30.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT20	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	41.9	5.6	47.5	54.0	-6.5	Average	Horizontal
	4884.5	53.7	5.6	59.3	74.0	-14.7	Peak	Horizontal
*	6329.5	34.3	9.1	43.4	84.0	-40.6	Peak	Horizontal
	7307.0	43.1	13.7	56.8	74.0	-17.2	Peak	Horizontal
	7307.0	31.5	13.7	45.2	54.0	-8.8	Average	Horizontal
*	9789.0	32.1	16.9	48.9	84.0	-35.1	Peak	Horizontal
	4876.0	47.5	5.6	53.1	54.0	-0.9	Average	Vertical
	4876.0	59.9	5.6	65.5	74.0	-8.5	Peak	Vertical
*	6159.5	33.8	8.7	42.5	84.0	-41.5	Peak	Vertical
	7315.5	38.8	13.7	52.5	54.0	-1.5	Average	Vertical
	7315.5	48.5	13.7	62.3	74.0	-11.7	Peak	Vertical
*	9789.0	32.1	16.9	48.9	84.0	-35.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.0dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT20	Test Channel:	11
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
	4927.0	38.3	5.7	44.0	54.0	-10.0	Average	Horizontal
	4927.0	49.4	5.7	55.0	74.0	-19.0	Peak	Horizontal
*	5964.0	34.7	8.1	42.8	80.5	-37.7	Peak	Horizontal
	7392.0	38.9	13.8	52.7	74.0	-21.3	Peak	Horizontal
*	9780.5	32.1	16.9	49.0	80.5	-31.5	Peak	Horizontal
	4927.0	43.0	5.7	48.7	54.0	-5.3	Average	Vertical
	4927.0	55.5	5.7	61.2	74.0	-12.8	Peak	Vertical
*	6329.5	34.3	9.1	43.4	80.5	-37.1	Peak	Vertical
	7386.0	45.8	13.9	59.7	74.0	-14.3	Peak	Vertical
	7386.0	33.1	13.9	46.9	54.0	-7.1	Average	Vertical
*	9780.5	32.1	16.9	49.0	80.5	-31.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.5dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT40	Test Channel:	03
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
	4844.0	39.6	5.6	45.2	74.0	-28.8	Peak	Horizontal
	6253.0	34.1	9.0	43.1	74.0	-30.9	Peak	Horizontal
*	8242.0	31.2	14.2	45.4	74.0	-28.6	Peak	Horizontal
*	10061.0	30.7	17.5	48.2	74.0	-25.8	Peak	Horizontal
	4850.5	43.0	5.6	48.6	74.0	-25.4	Peak	Vertical
	5964.0	34.7	8.1	42.8	74.0	-31.2	Peak	Vertical
*	7281.5	33.8	13.9	47.7	74.0	-26.3	Peak	Vertical
*	10061.0	30.7	17.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (103.5dBμV/m) or 15.209 which is higher.

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

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

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT40	Test Channel:	06
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
	4876.0	35.9	5.6	41.5	54.0	-12.5	Average	Horizontal
	4876.0	48.2	5.6	53.8	74.0	-20.2	Peak	Horizontal
*	6032.0	34.8	8.2	43.0	79.8	-36.8	Peak	Horizontal
	7311.0	35.8	13.7	49.5	74.0	-24.5	Peak	Horizontal
*	10086.5	31.9	17.7	49.6	79.8	-30.2	Peak	Horizontal
	4876.0	41.0	5.6	46.6	54.0	-7.4	Average	Vertical
	4876.0	53.0	5.6	58.6	74.0	-15.4	Peak	Vertical
*	5981.0	36.4	8.1	44.5	79.8	-35.3	Peak	Vertical
	7298.5	41.8	13.8	55.6	74.0	-18.4	Peak	Vertical
	7298.5	32.0	13.8	45.8	54.0	-8.2	Average	Vertical
*	10086.5	31.9	17.7	49.6	79.8	-30.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/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)

Product	G-140W-C	Temperature	26°C
Test Engineer	Snake Ni	Relative Humidity	56%
Test Site	AC2	Test Date	2017/12/22
Test Mode:	802.11n-HT40	Test Channel:	09
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
	4904.0	42.8	5.6	48.4	74.0	-25.6	Peak	Horizontal
	6159.5	33.5	8.7	42.2	76.0	-33.8	Peak	Horizontal
*	8259.0	31.9	14.1	46.0	74.0	-28.0	Peak	Horizontal
*	10103.5	31.2	17.9	49.1	76.0	-26.9	Peak	Horizontal
	4904.0	43.6	5.6	49.2	74.0	-24.8	Peak	Vertical
	6032.0	34.8	8.2	43.0	76.0	-33.0	Peak	Vertical
*	7341.0	35.8	13.9	49.7	74.0	-24.3	Peak	Vertical
*	10103.5	31.2	17.9	49.1	76.0	-26.9	Peak	Vertical

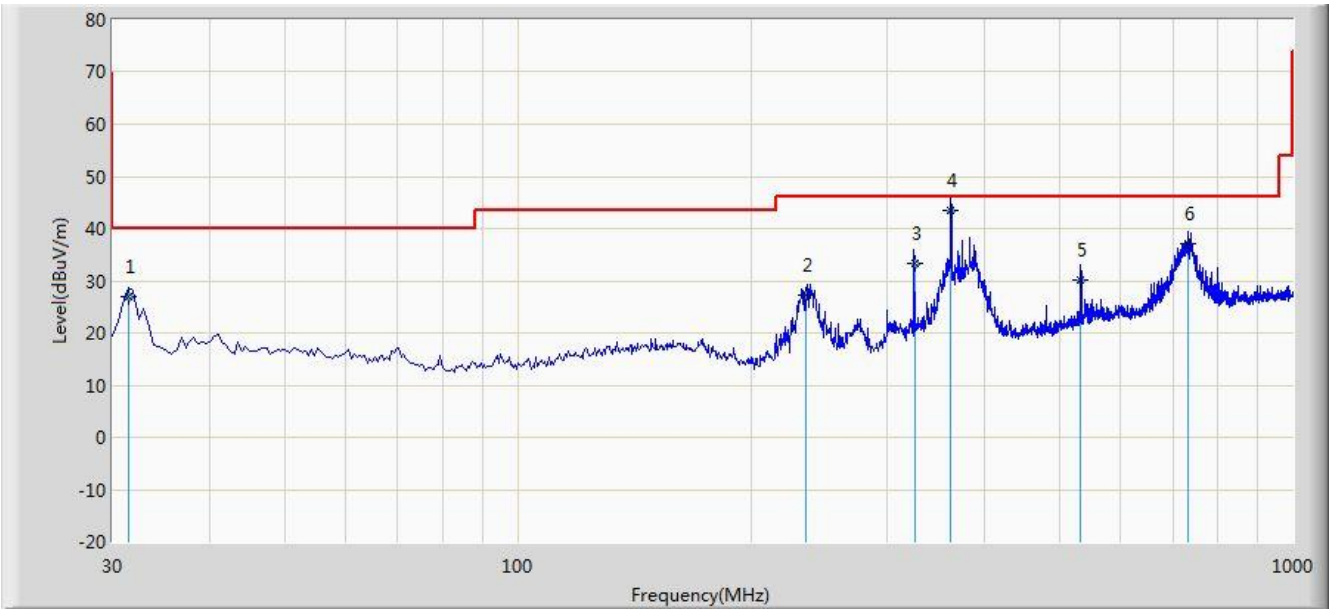
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.0dBμV/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC2	Time: 2018/01/09 - 13:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: VULB 9162_0.03-8GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz. (Adapter #1)	



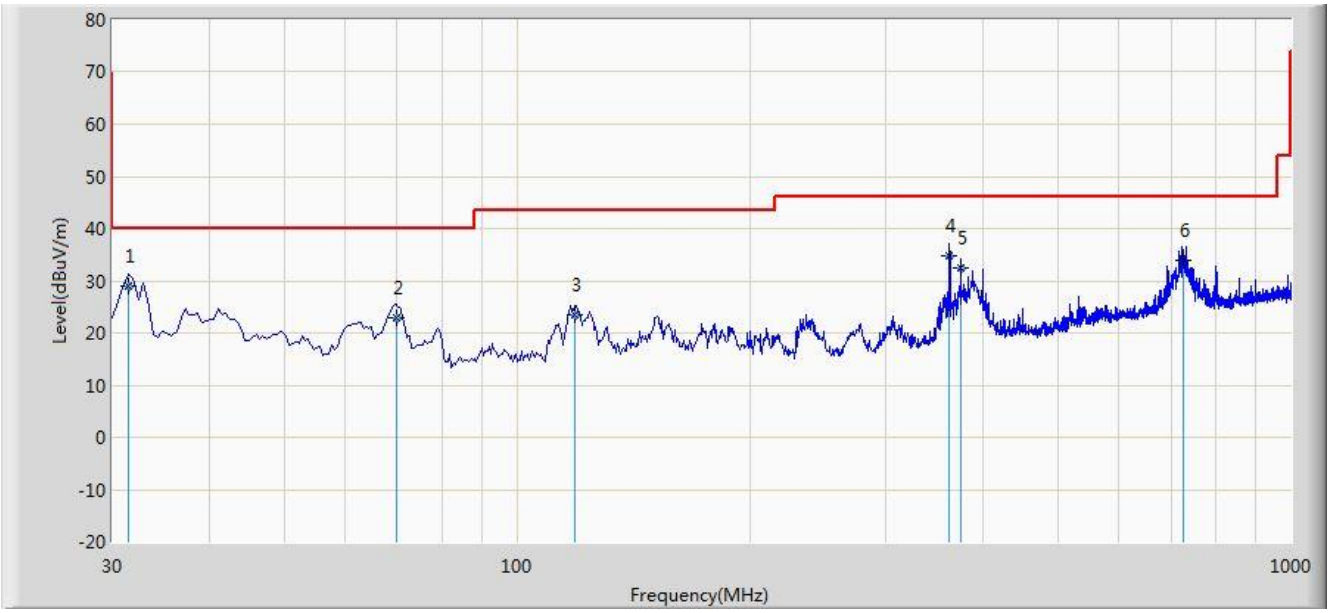
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.502	26.827	13.037	-13.173	40.000	13.790	QP
2			235.410	27.371	14.623	-18.629	46.000	12.748	QP
3			324.900	33.447	18.362	-12.553	46.000	15.085	QP
4		*	362.400	43.448	27.628	-2.552	46.000	15.820	QP
5			532.850	30.075	10.845	-15.925	46.000	19.231	QP
6			732.800	37.187	14.625	-8.813	46.000	22.562	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC2	Time: 2018/01/09 - 13:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: VULB 9162_0.03-8GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz. (Adapter #1)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.485	28.921	15.292	-11.079	40.000	13.629	QP
2			34.365	27.831	14.024	-12.169	40.000	13.807	QP
3			163.375	25.818	10.924	-17.682	43.500	14.894	QP
4			240.005	32.050	19.288	-13.950	46.000	12.762	QP
5			288.020	23.184	9.192	-22.816	46.000	13.992	QP
6			960.234	35.229	10.283	-18.771	54.000	24.946	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.7. Radiated Restricted Band Edge Measurement

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
[1] 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.25 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310–2390	15.35-16.2
8.362-8.366	156.52475-156.525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	([2])
13.36-13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.1.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.7.2.Test Setting

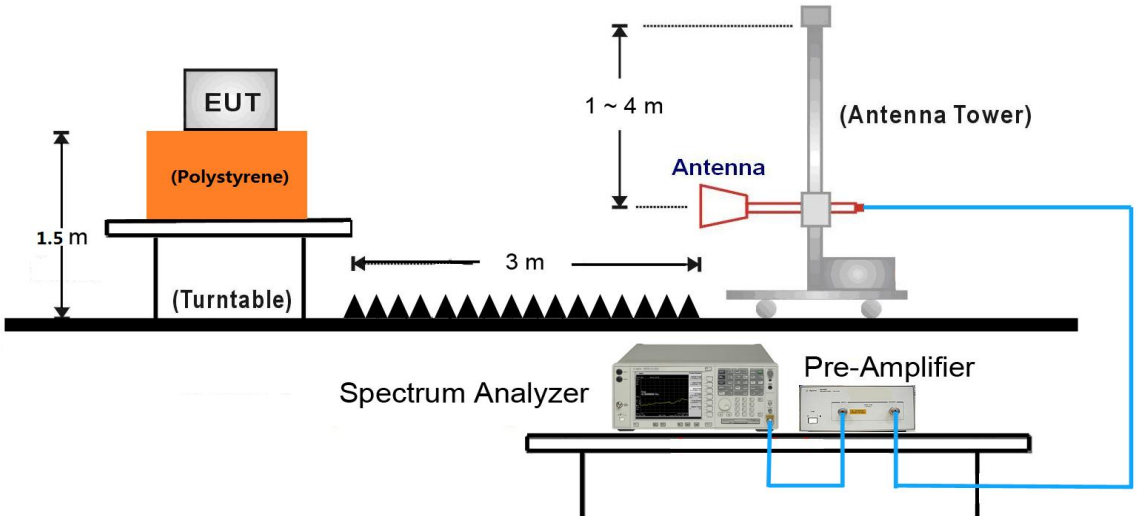
Peak Field Strength Measurements

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

Average Field Strength Measurements

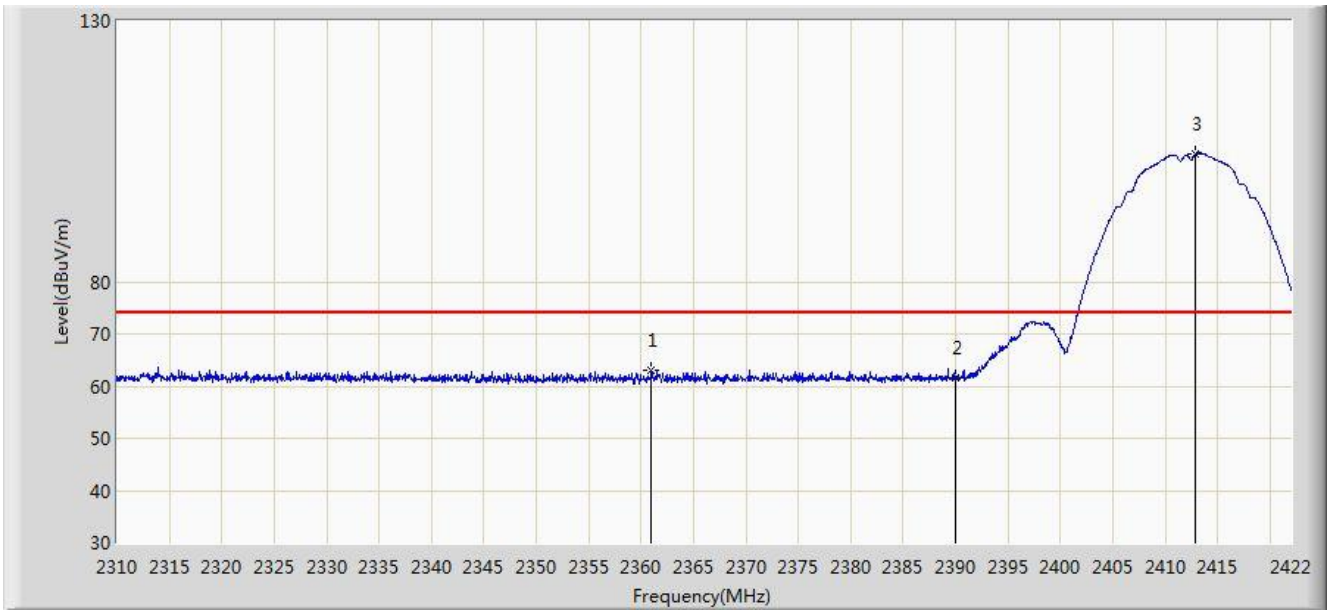
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

7.7.3.Test Setup



7.7.4.Test Result

Site: AC2	Time: 2017/12/14 - 19:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2412MHz Ant 0+1	

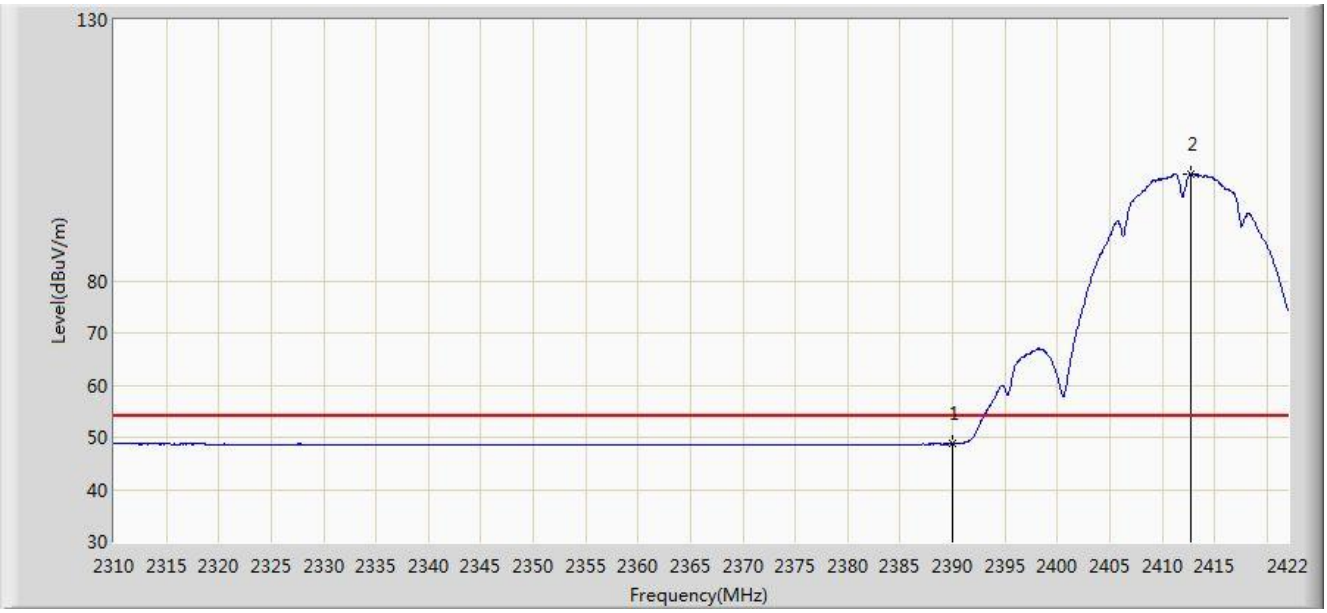


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2361.016	63.160	30.539	-10.840	74.000	32.621	PK
2			2390.000	61.549	28.974	-12.451	74.000	32.575	PK
3		*	2412.928	104.425	71.878	N/A	N/A	32.547	PK

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

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

Site: AC2	Time: 2017/12/14 - 19:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2412MHz Ant 0+1	

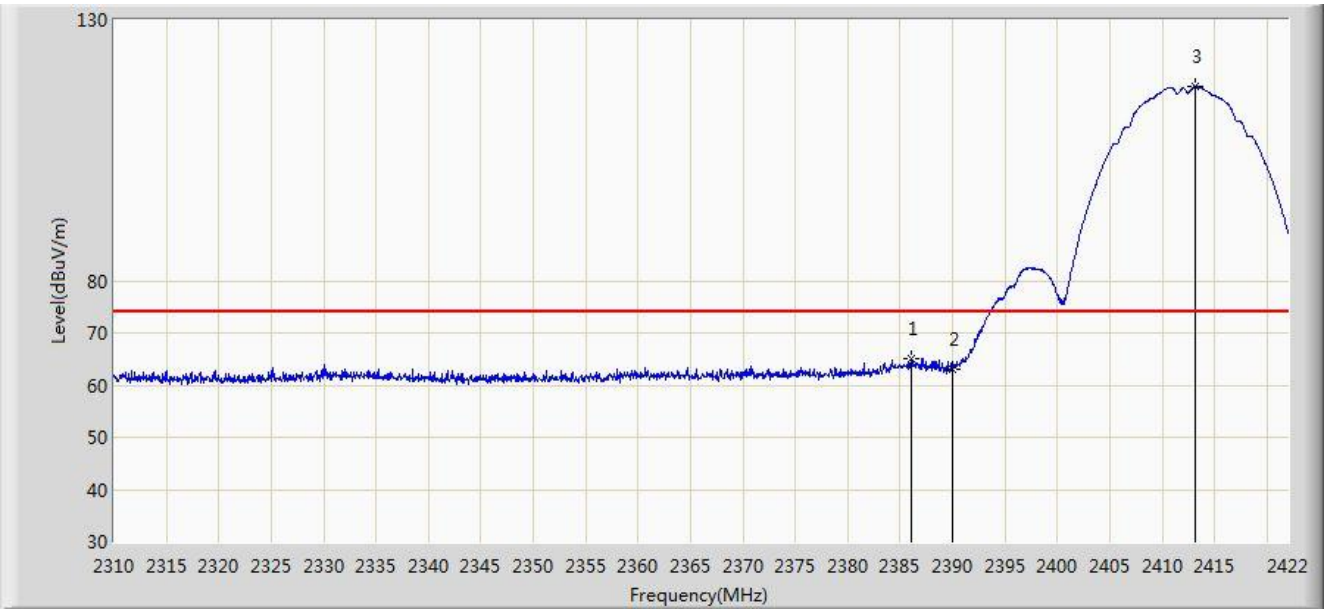


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.724	16.149	-5.276	54.000	32.575	AV
2		*	2412.760	100.573	68.026	N/A	N/A	32.547	AV

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

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

Site: AC2	Time: 2017/12/14 - 19:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2412MHz Ant 0+1	

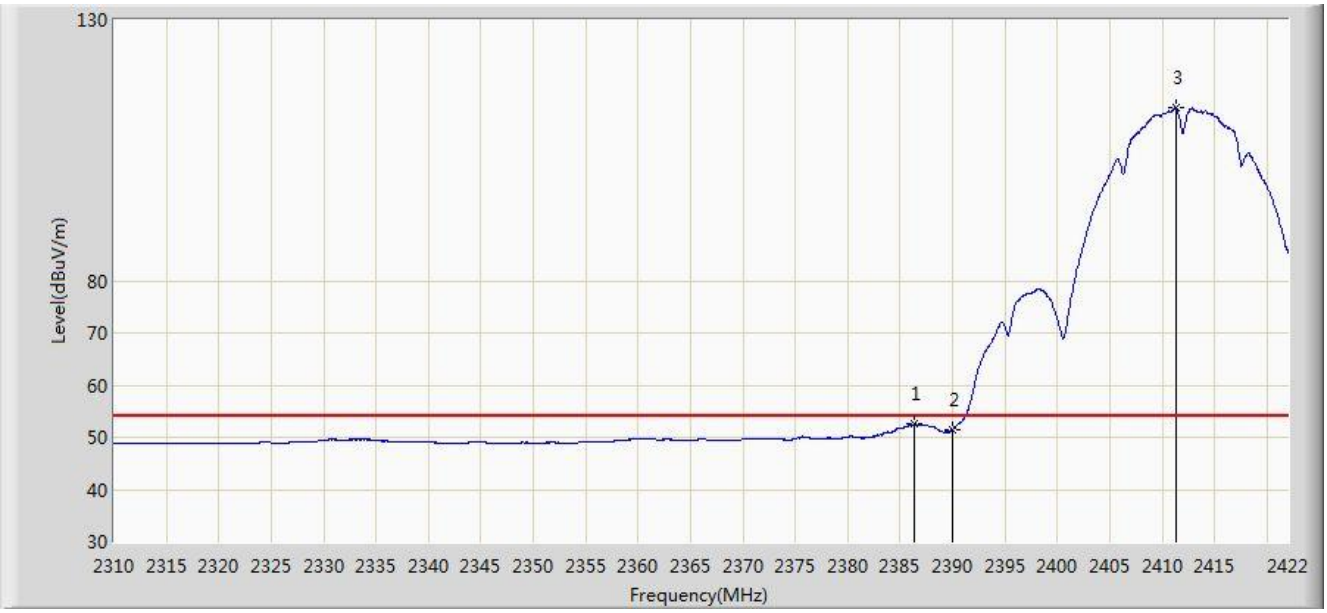


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.104	64.958	32.377	-9.042	74.000	32.581	PK
2			2390.000	63.185	30.610	-10.815	74.000	32.575	PK
3		*	2413.208	117.187	84.641	N/A	N/A	32.546	PK

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

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

Site: AC2	Time: 2017/12/14 - 19:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2412MHz Ant 0+1	

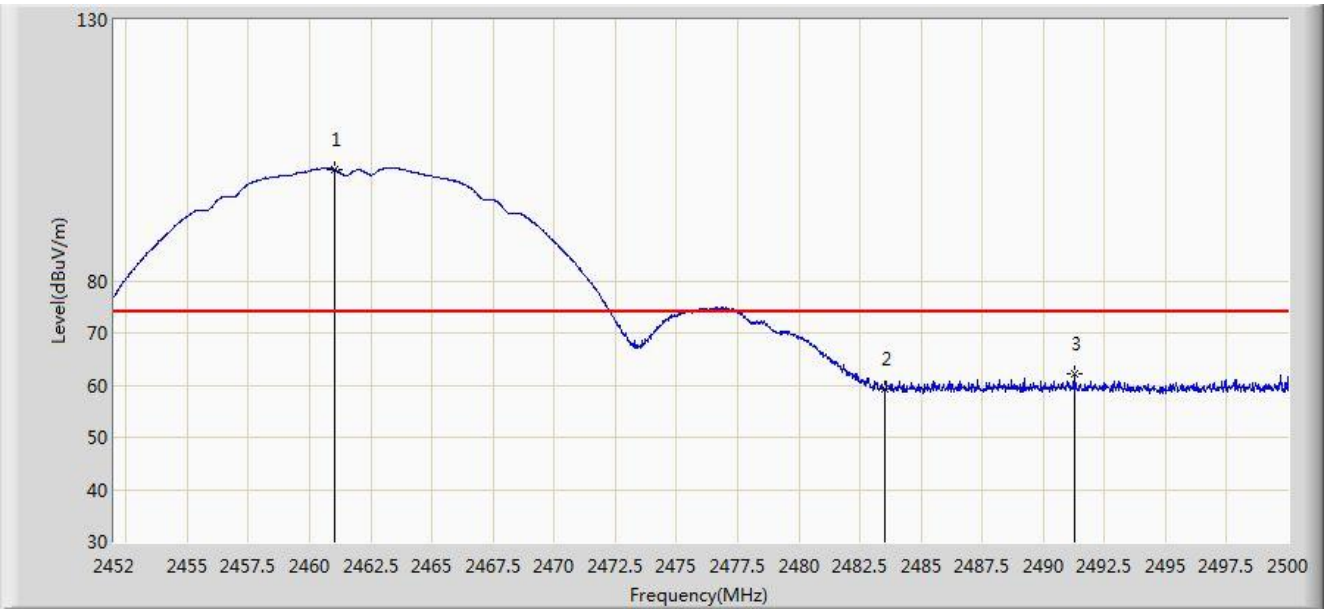


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.328	52.524	19.943	-1.476	54.000	32.581	AV
2			2390.000	51.463	18.888	-2.537	54.000	32.575	AV
3		*	2411.304	113.106	80.557	N/A	N/A	32.549	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2462MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	101.332	68.794	N/A	N/A	32.538	PK
2			2483.500	59.321	26.725	-14.679	74.000	32.596	PK
3			2491.264	62.113	29.498	-11.887	74.000	32.616	PK

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

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

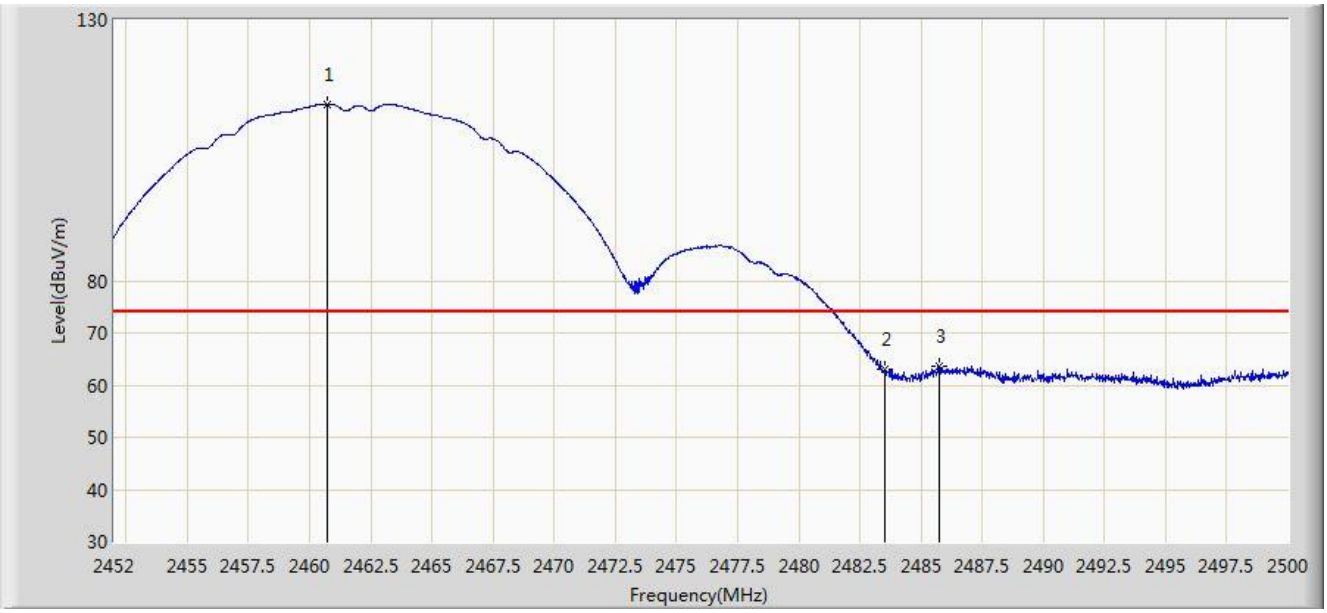
Site: AC2	Time: 2017/12/14 - 20:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2462MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	97.912	65.373	N/A	N/A	32.539	AV
2			2483.500	47.249	14.653	-6.751	54.000	32.596	AV
3			2490.472	47.683	15.070	-6.317	54.000	32.613	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2462MHz Ant 0+1	

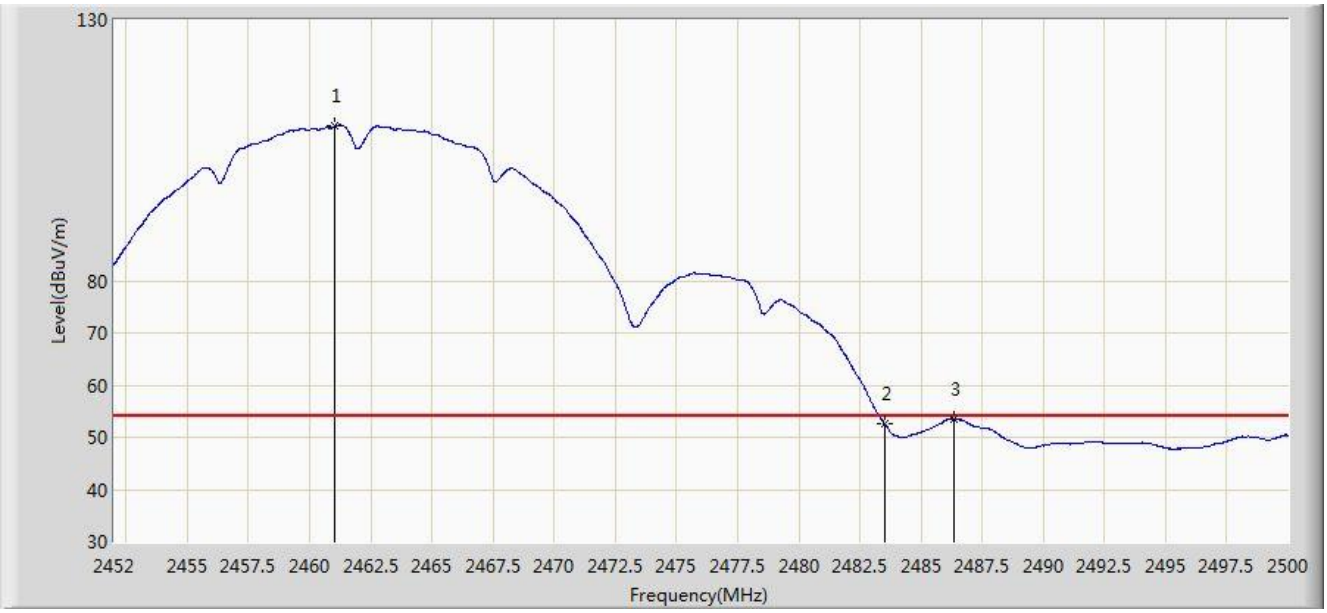


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	113.845	81.308	N/A	N/A	32.537	PK
2			2483.500	63.008	30.412	-10.992	74.000	32.596	PK
3			2485.768	63.495	30.894	-10.505	74.000	32.602	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11b at channel 2462MHz Ant 0+1	

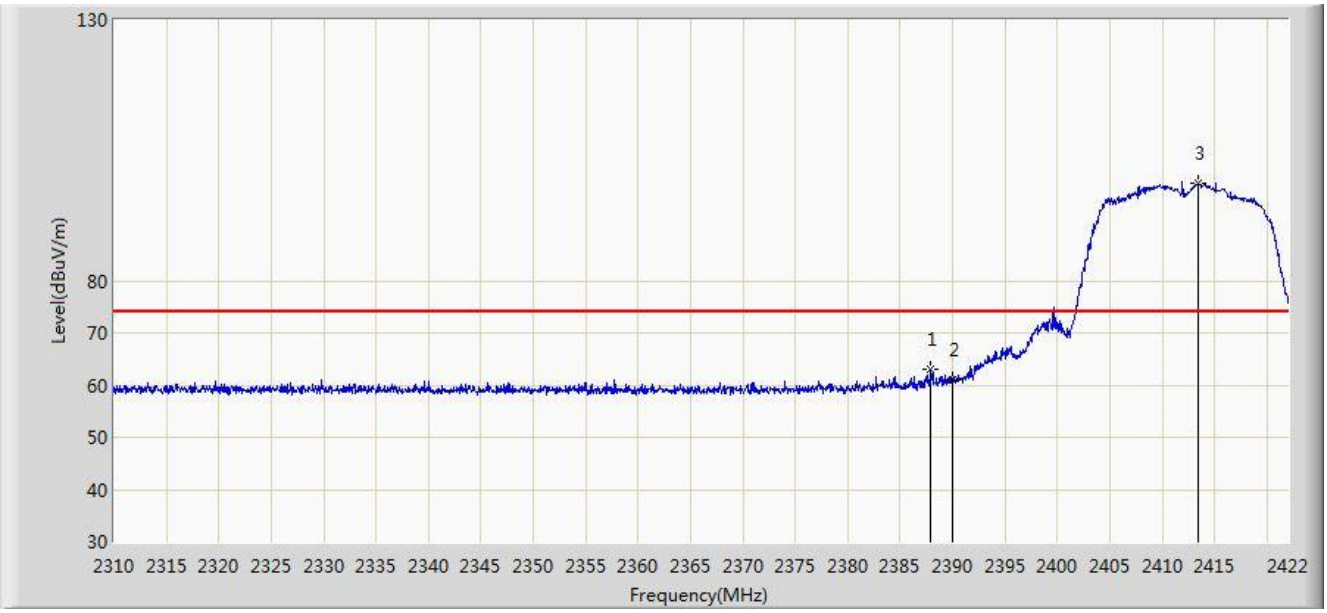


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.048	109.659	77.121	N/A	N/A	32.539	AV
2			2483.500	52.655	20.059	-1.345	54.000	32.596	AV
3			2486.344	53.591	20.988	-0.409	54.000	32.603	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2412MHz Ant 0+1	

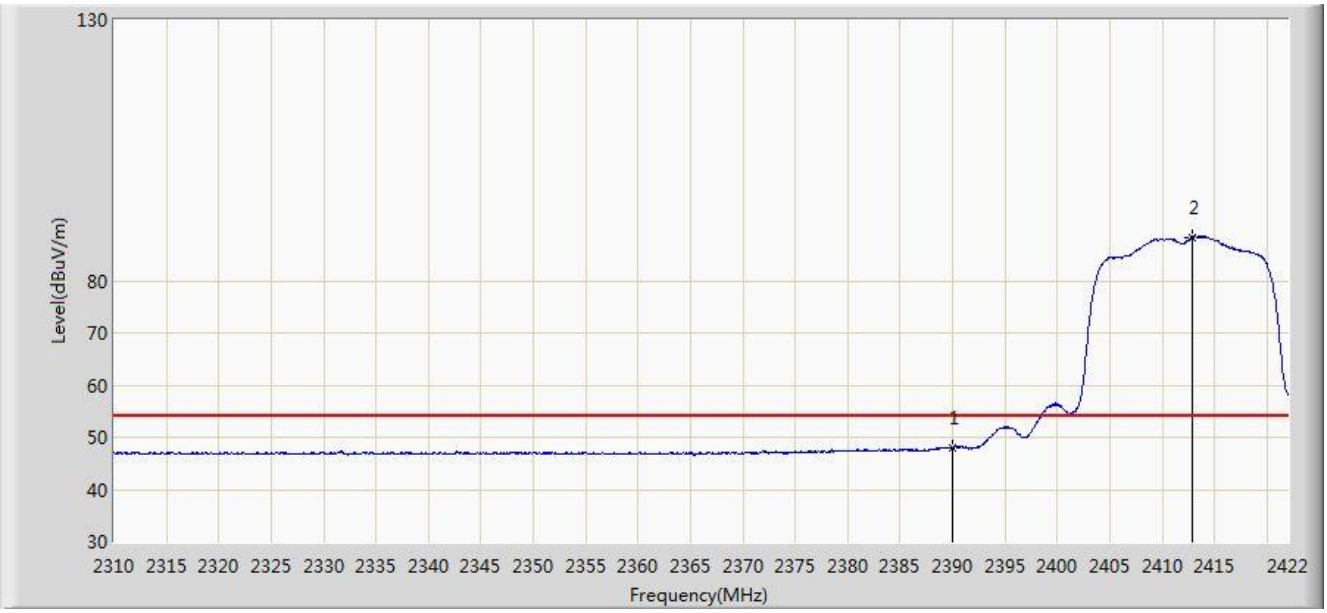


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.952	63.091	30.513	-10.909	74.000	32.578	PK
2			2390.000	61.127	28.552	-12.873	74.000	32.575	PK
3		*	2413.432	98.600	66.054	N/A	N/A	32.546	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2412MHz Ant 0+1	

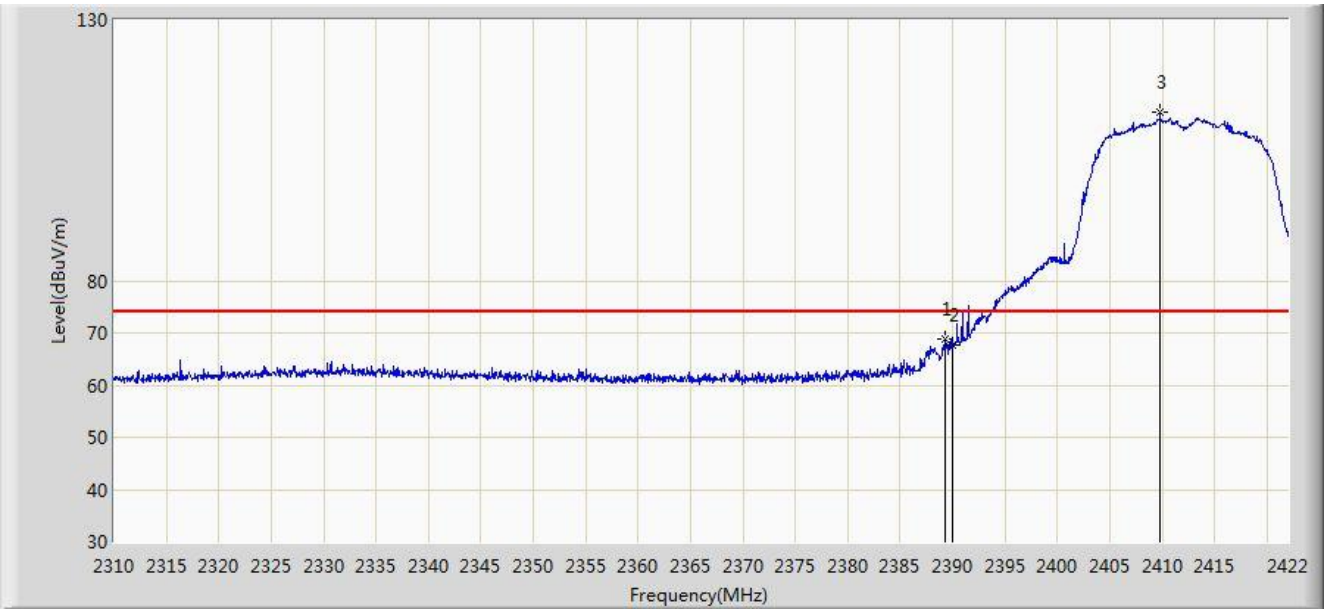


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.091	15.516	-5.909	54.000	32.575	AV
2		*	2412.872	88.344	55.797	N/A	N/A	32.547	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2412MHz Ant 0+1	

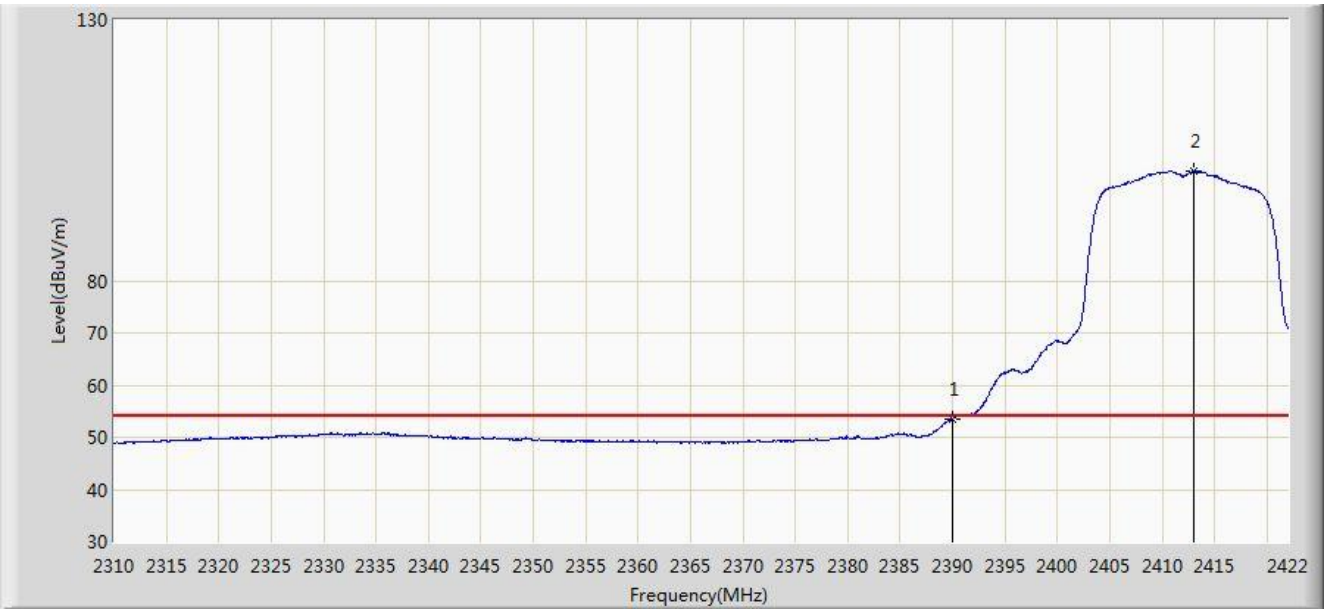


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.240	68.976	36.400	-5.024	74.000	32.576	PK
2			2390.000	67.706	35.131	-6.294	74.000	32.575	PK
3		*	2409.792	112.377	79.826	N/A	N/A	32.550	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2412MHz Ant 0+1	

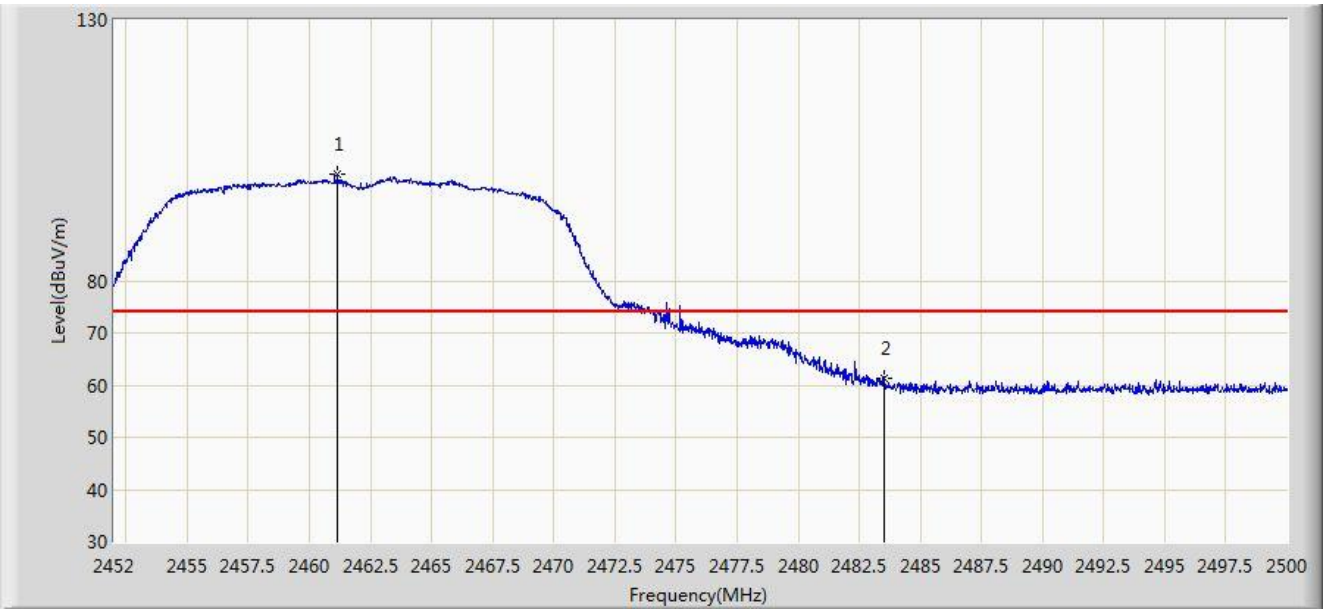


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.493	20.918	-0.507	54.000	32.575	AV
2		*	2413.040	101.126	68.580	N/A	N/A	32.546	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2462MHz Ant 0+1	

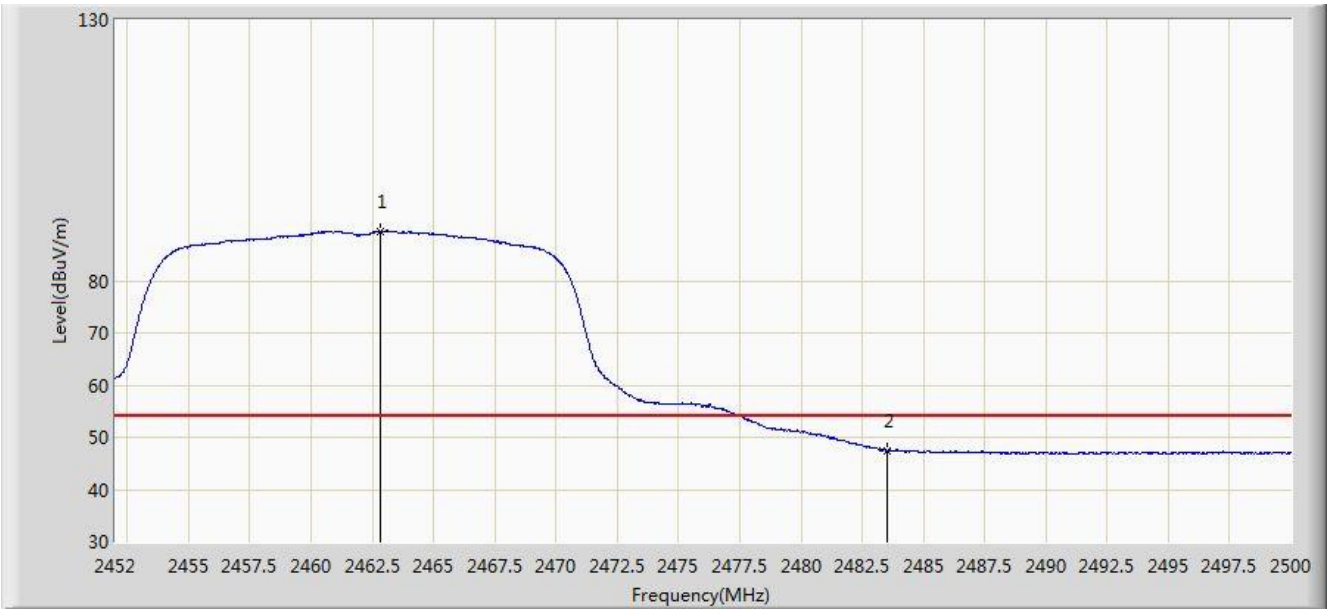


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	100.418	67.880	N/A	N/A	32.539	PK
2			2483.500	61.360	28.764	-12.640	74.000	32.596	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2462MHz Ant 0+1	

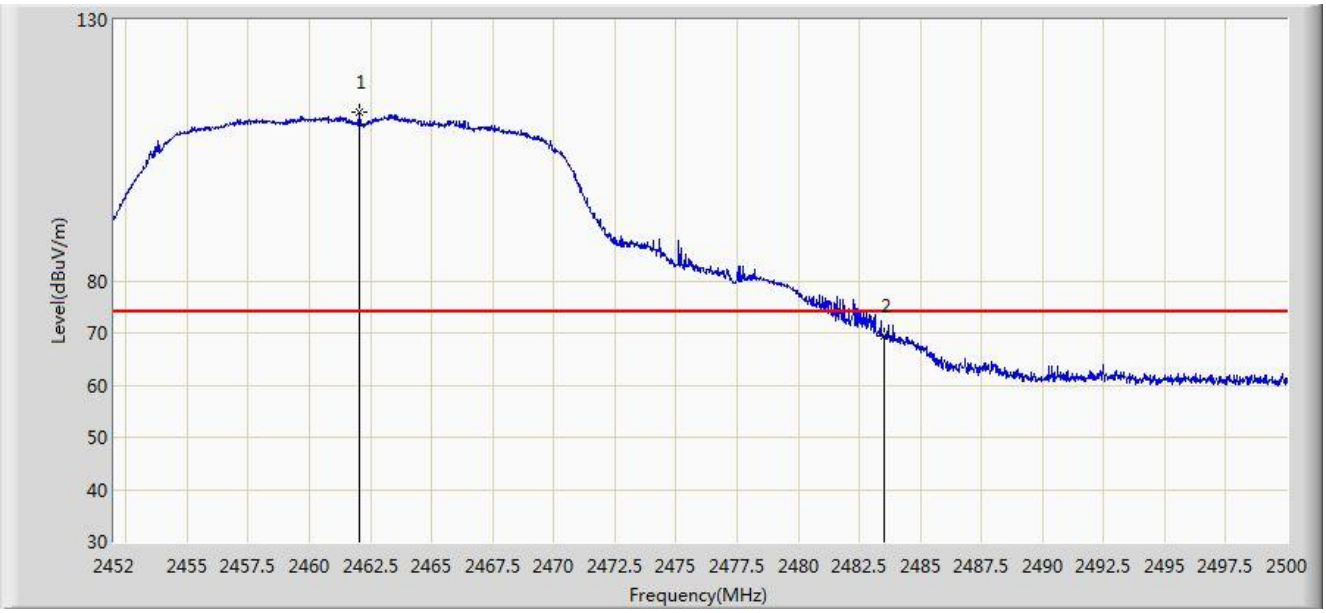


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.800	89.521	56.979	N/A	N/A	32.542	AV
2			2483.500	47.473	14.877	-6.527	54.000	32.596	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2462MHz Ant 0+1	

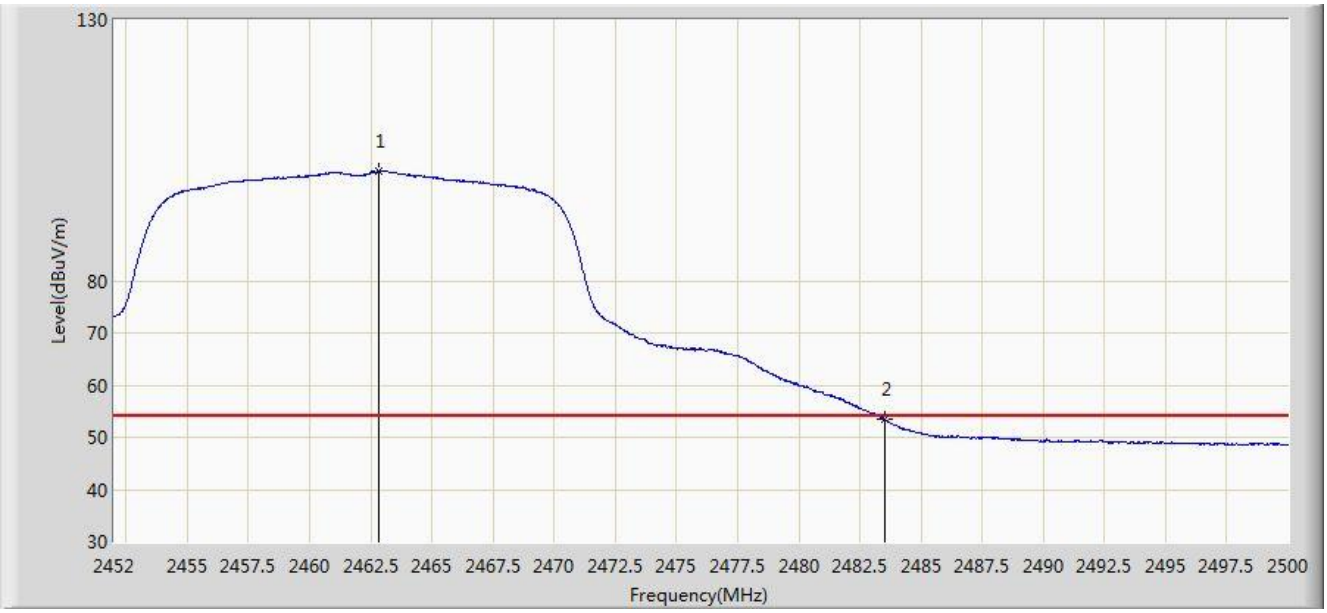


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.032	112.388	79.848	N/A	N/A	32.540	PK
2			2483.500	69.382	36.786	-4.618	74.000	32.596	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11g at channel 2462MHz Ant 0+1	

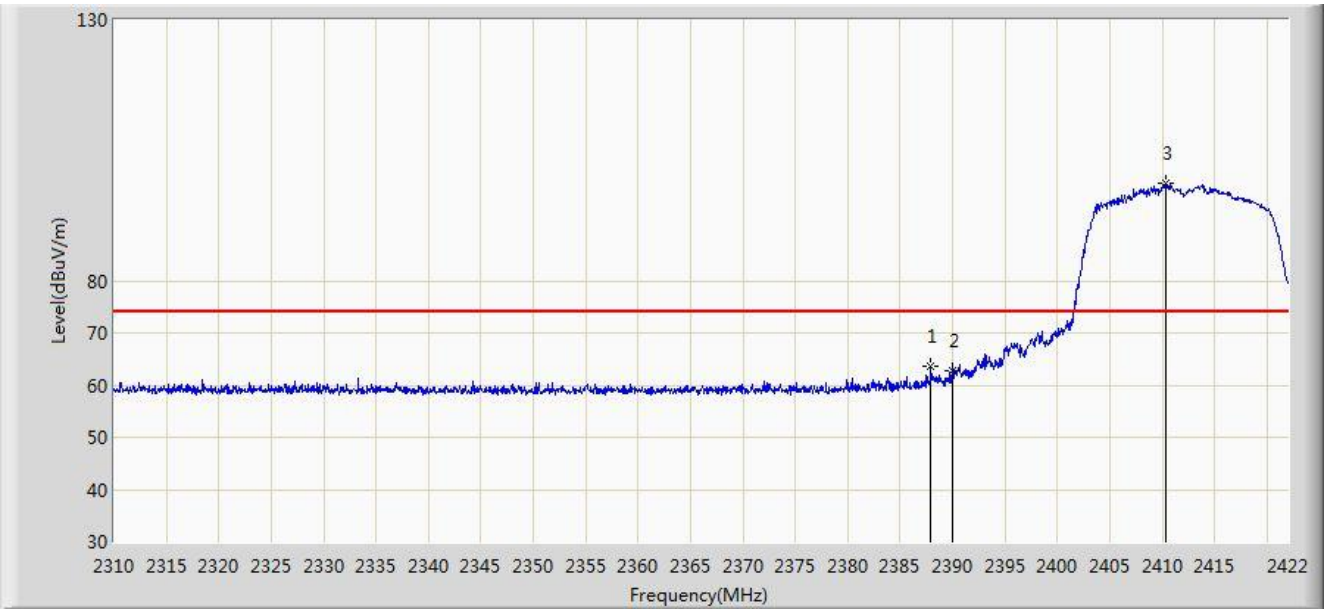


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.848	100.963	68.421	N/A	N/A	32.542	AV
2			2483.500	53.366	20.770	-0.634	54.000	32.596	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

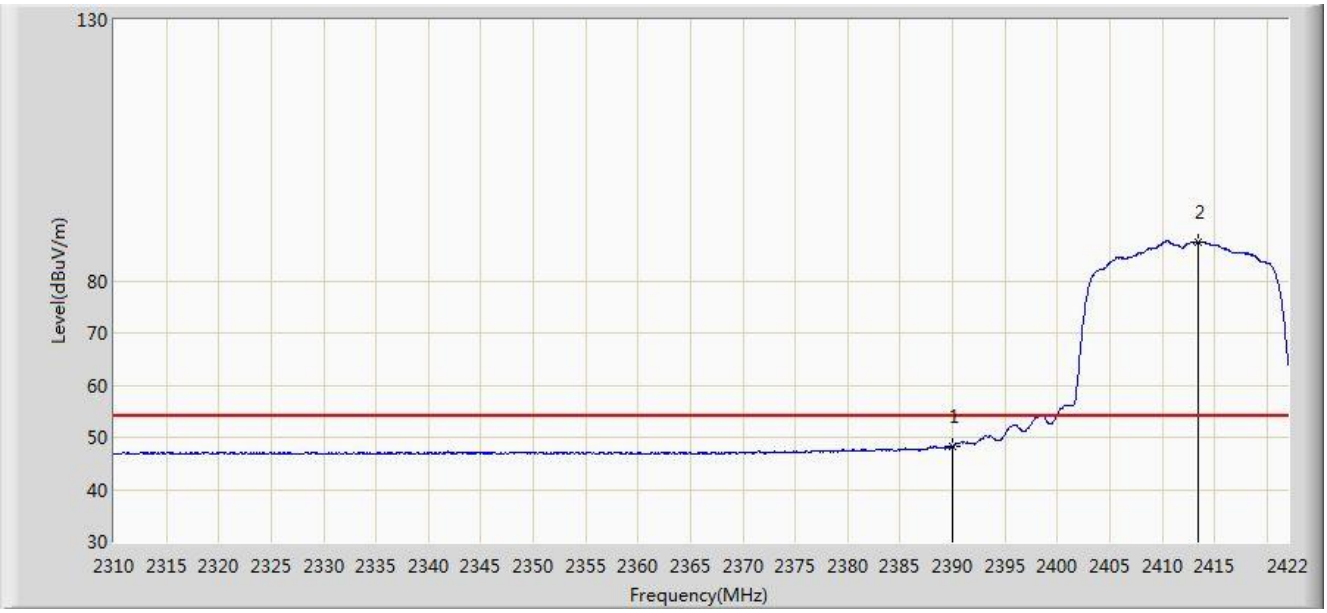


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.952	63.618	31.040	-10.382	74.000	32.578	PK
2			2390.000	62.846	30.271	-11.154	74.000	32.575	PK
3		*	2410.352	98.633	66.083	N/A	N/A	32.550	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

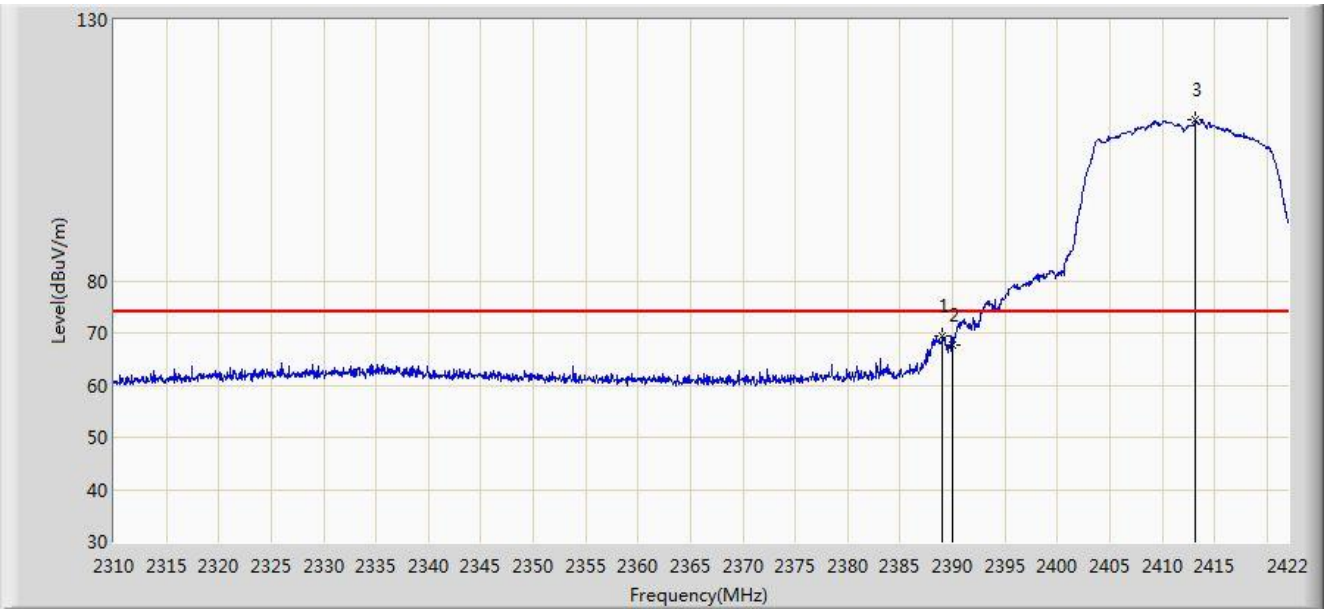


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.253	15.678	-5.747	54.000	32.575	AV
2		*	2413.432	87.489	54.943	N/A	N/A	32.546	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

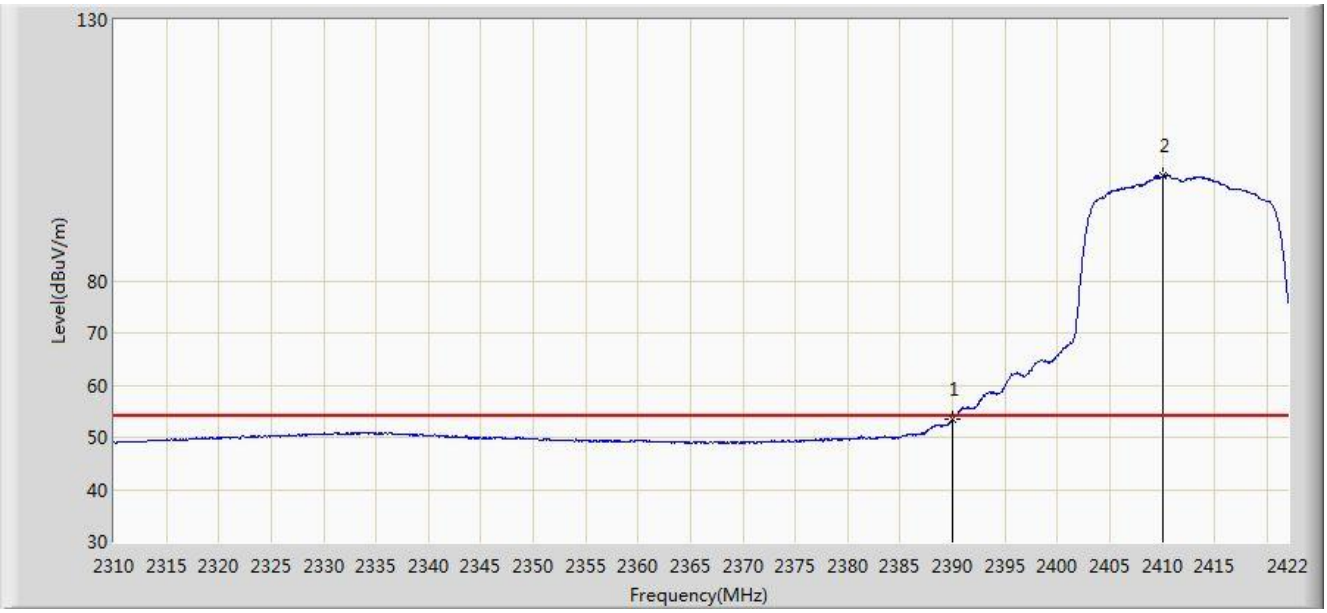


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.016	69.313	36.737	-4.687	74.000	32.576	PK
2			2390.000	67.763	35.188	-6.237	74.000	32.575	PK
3		*	2413.152	111.013	78.467	N/A	N/A	32.546	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

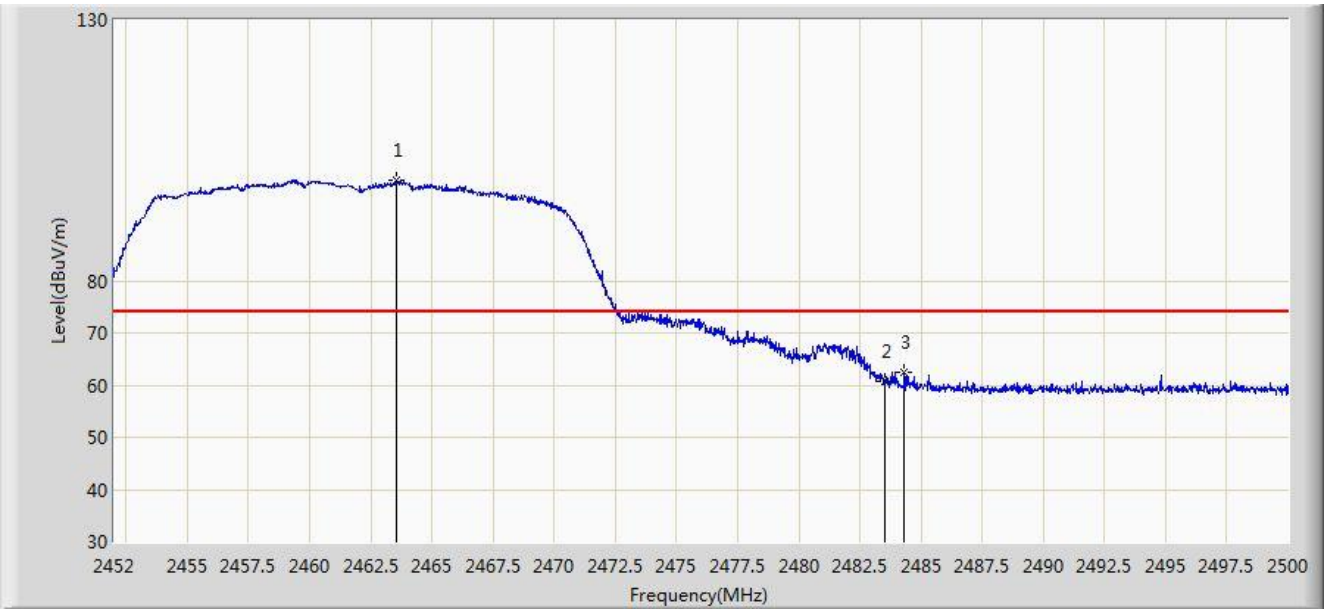


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.474	20.899	-0.526	54.000	32.575	AV
2		*	2410.016	100.034	67.484	N/A	N/A	32.551	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

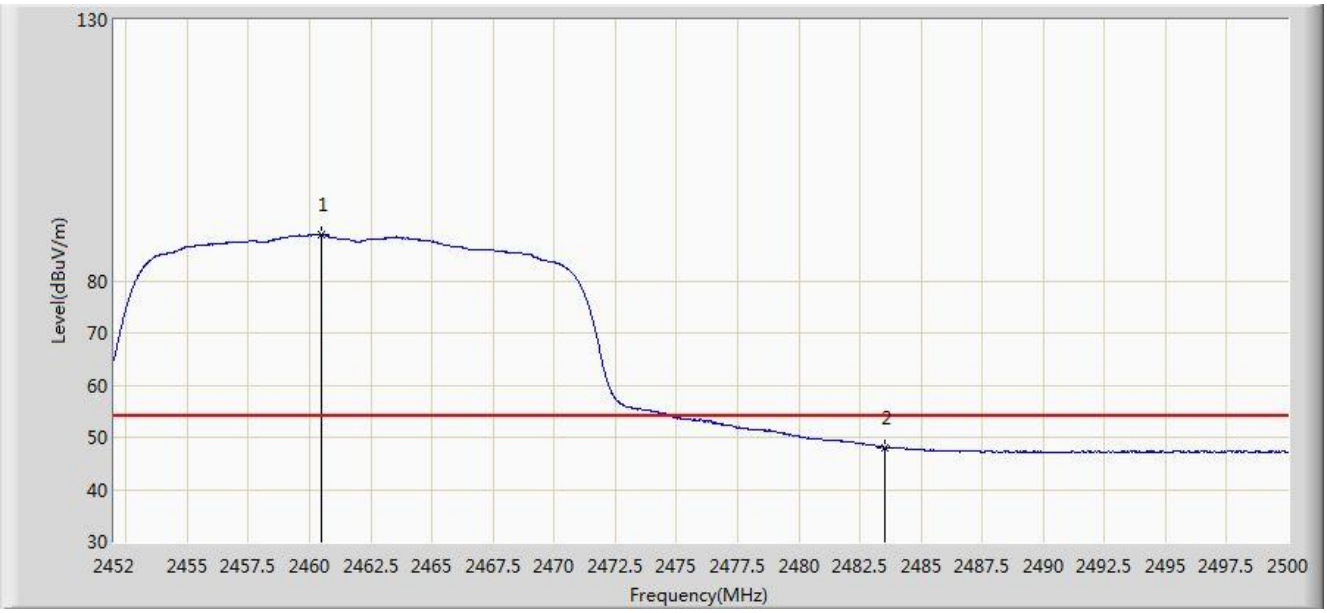


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.520	99.157	66.614	N/A	N/A	32.543	PK
2			2483.500	60.588	27.992	-13.412	74.000	32.596	PK
3			2484.328	62.496	29.898	-11.504	74.000	32.598	PK

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

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

Site: AC2	Time: 2017/12/14 - 20:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

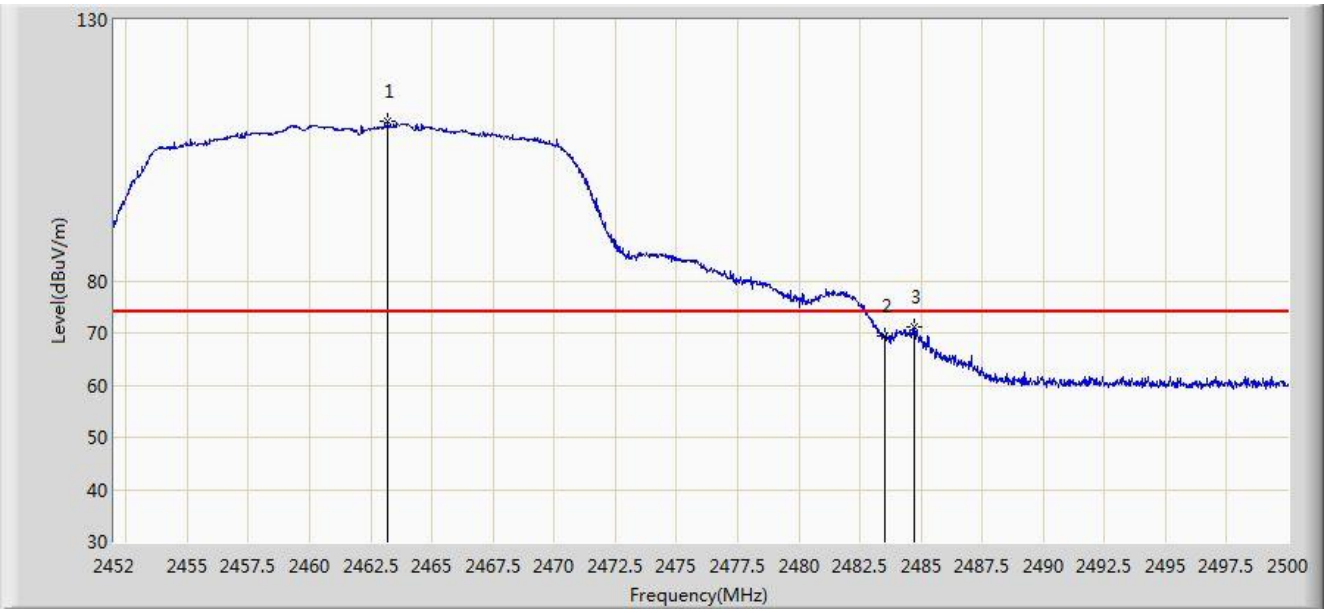


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.496	88.856	56.319	N/A	N/A	32.537	AV
2			2483.500	48.107	15.511	-5.893	54.000	32.596	AV

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

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

Site: AC2	Time: 2017/12/14 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.184	110.525	77.983	N/A	N/A	32.542	PK
2			2483.500	69.403	36.807	-4.597	74.000	32.596	PK
3			2484.736	71.292	38.693	-2.708	74.000	32.599	PK

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

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

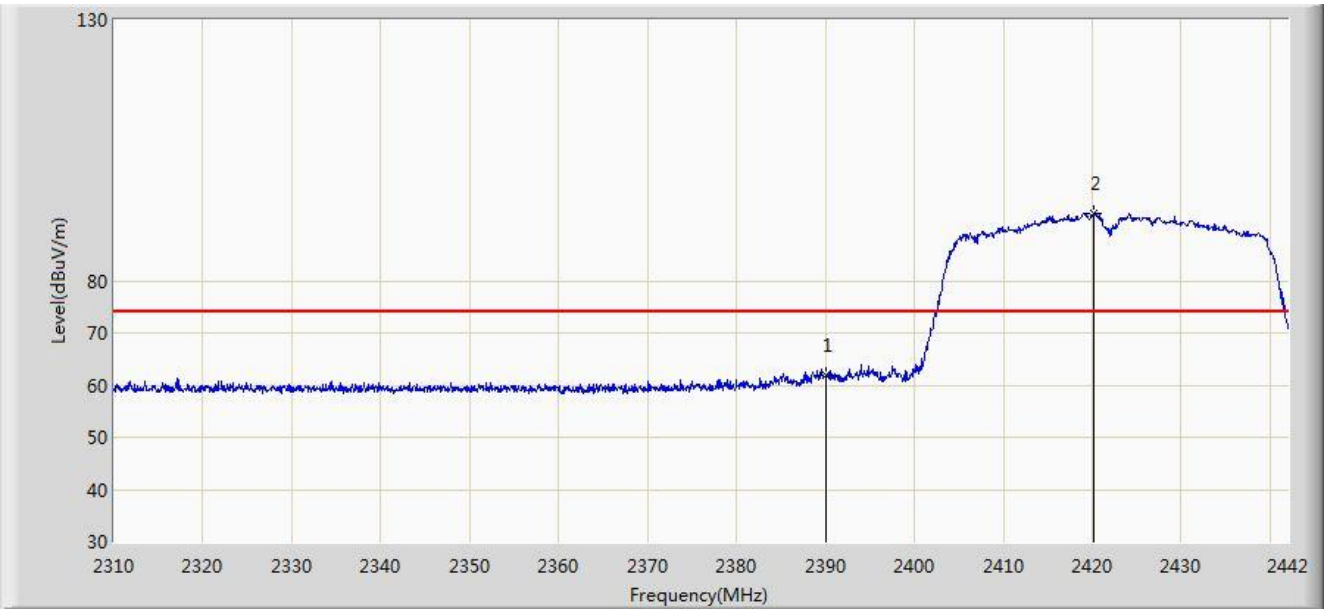
Site: AC2	Time: 2017/12/14 - 20:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.496	99.414	66.871	N/A	N/A	32.543	AV
2			2483.500	52.947	20.351	-1.053	54.000	32.596	AV

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

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

Site: AC2	Time: 2017/12/14 - 21:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0+1	

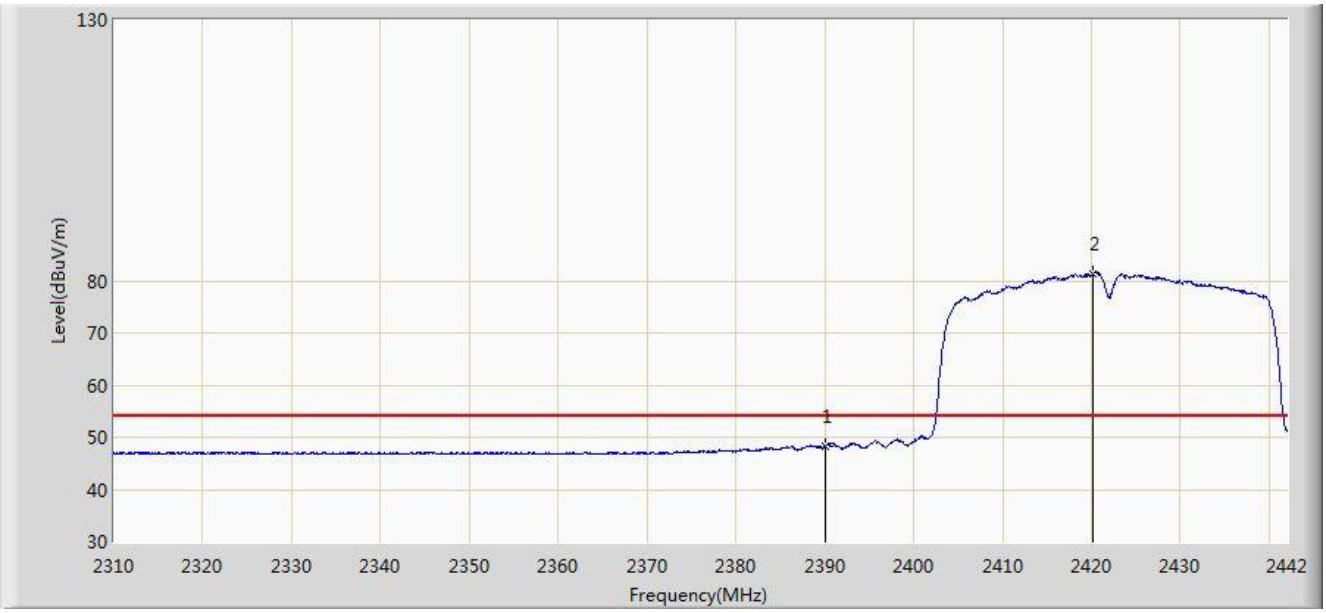


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	61.995	29.420	-12.005	74.000	32.575	PK
2		*	2420.220	93.015	60.478	N/A	N/A	32.536	PK

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

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

Site: AC2	Time: 2017/12/14 - 21:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0+1	

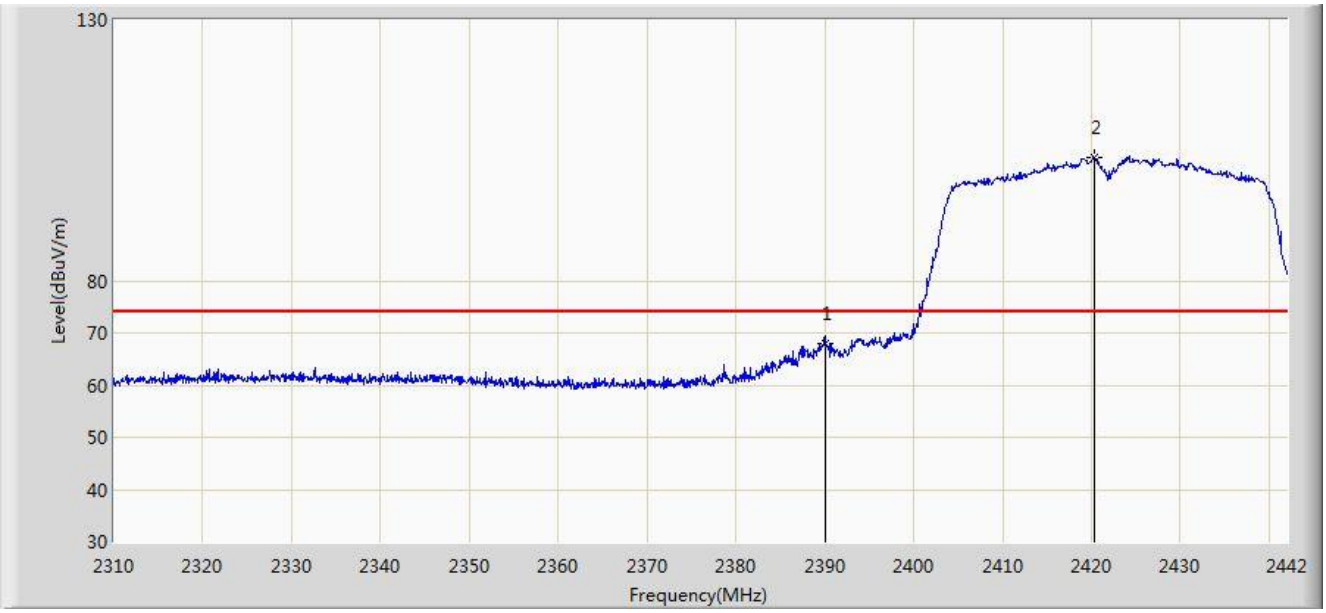


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.132	15.557	-5.868	54.000	32.575	AV
2		*	2420.220	81.429	48.892	N/A	N/A	32.536	AV

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

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

Site: AC2	Time: 2017/12/14 - 21:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0+1	

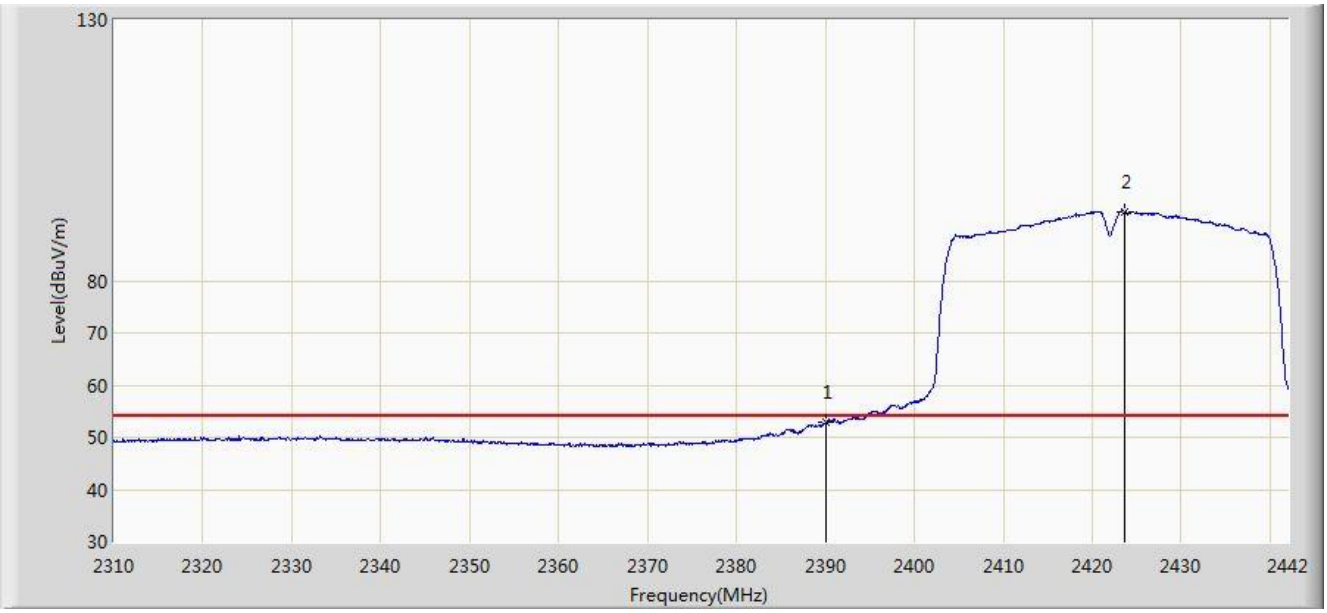


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	68.041	35.466	-5.959	74.000	32.575	PK
2		*	2420.352	103.539	71.003	N/A	N/A	32.536	PK

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

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

Site: AC2	Time: 2017/12/14 - 21:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0+1	

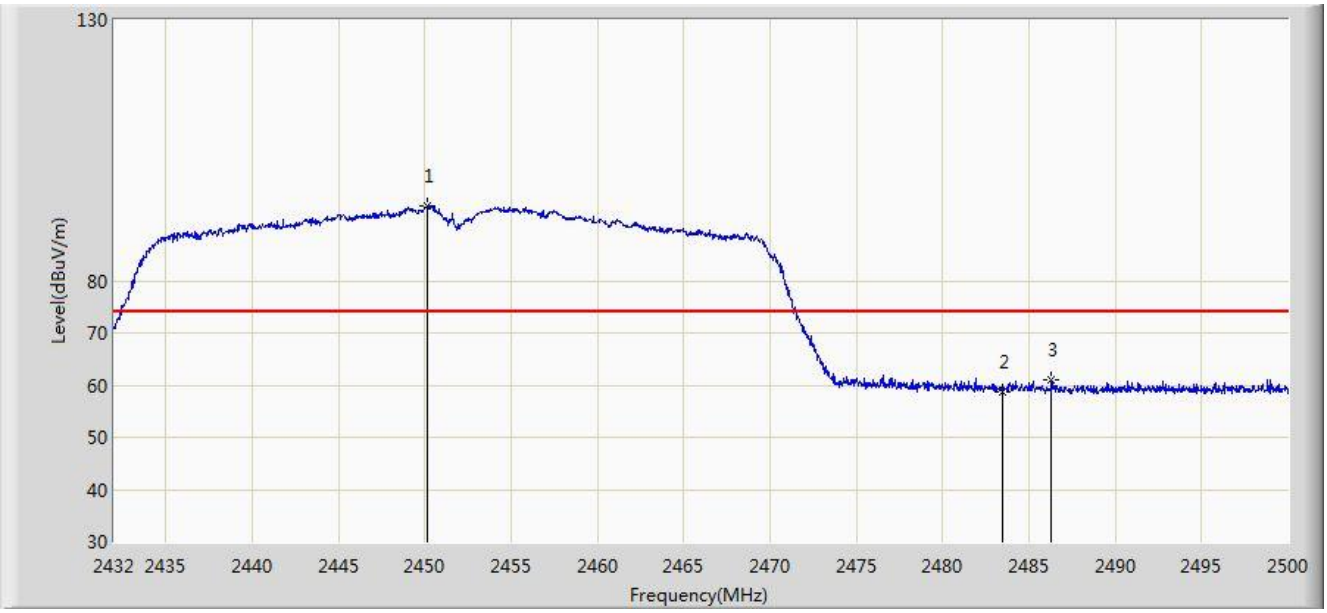


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.942	20.367	-1.058	54.000	32.575	AV
2		*	2423.652	93.204	60.672	N/A	N/A	32.532	AV

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

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

Site: AC2	Time: 2017/12/14 - 21:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0+1	

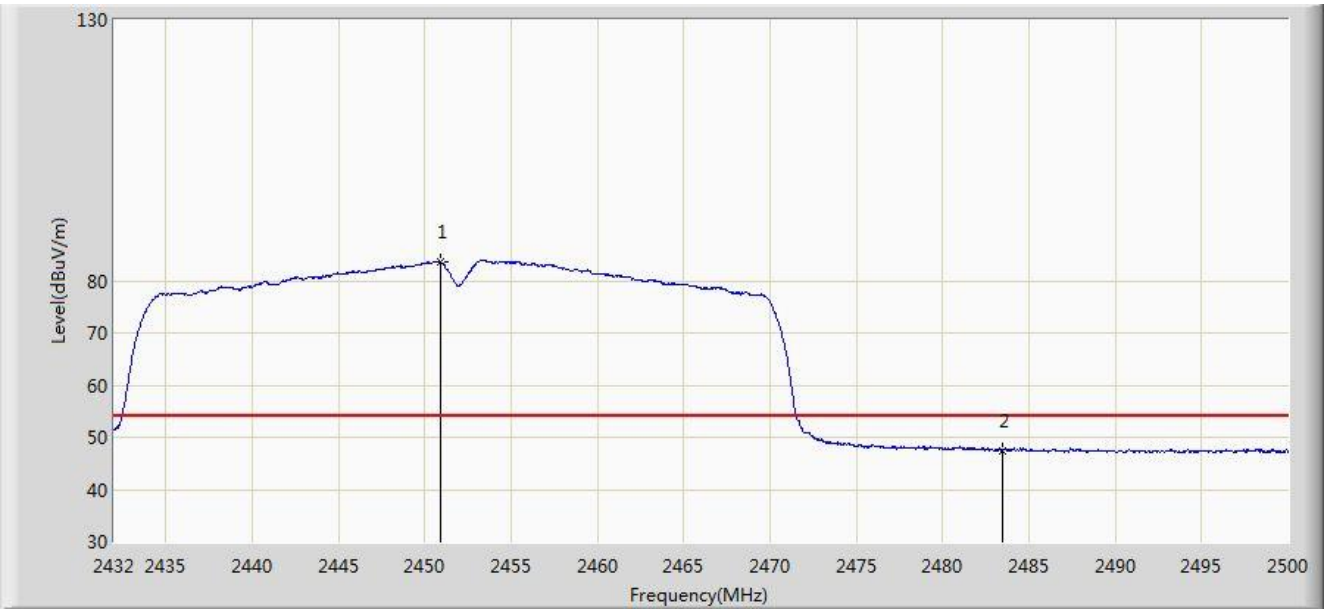


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.156	94.245	61.731	N/A	N/A	32.514	PK
2			2483.500	58.757	26.161	-15.243	74.000	32.596	PK
3			2486.298	60.906	28.303	-13.094	74.000	32.603	PK

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

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

Site: AC2	Time: 2017/12/14 - 21:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0+1	

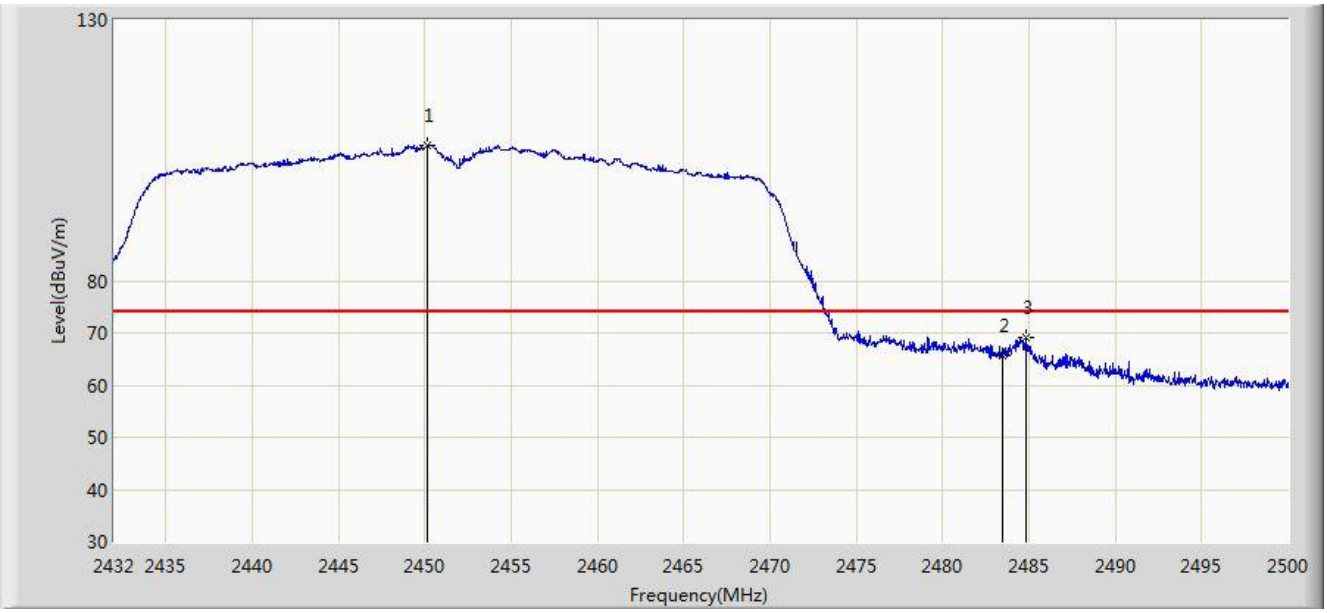


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.904	83.617	51.102	N/A	N/A	32.515	AV
2			2483.500	47.508	14.912	-6.492	54.000	32.596	AV

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

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

Site: AC2	Time: 2017/12/14 - 21:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0+1	

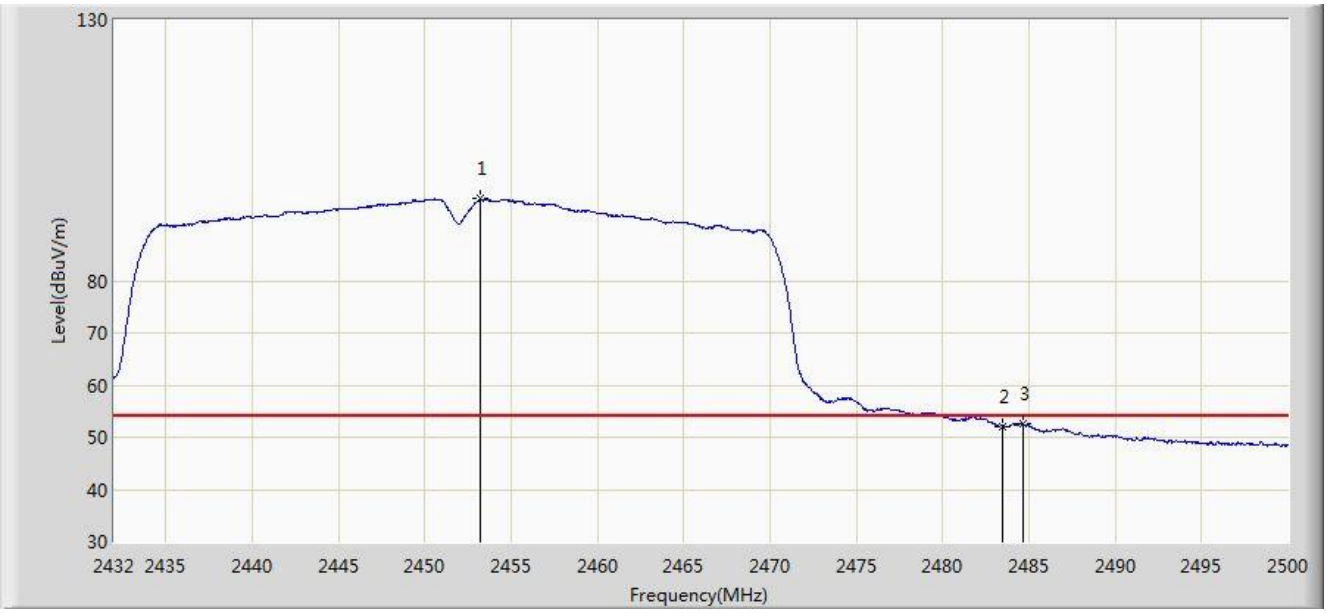


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.156	105.966	73.452	N/A	N/A	32.514	PK
2			2483.500	65.784	33.188	-8.216	74.000	32.596	PK
3			2484.870	69.209	36.610	-4.791	74.000	32.599	PK

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

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

Site: AC2	Time: 2017/12/14 - 21:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Dandy Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: G-140W-C	Power: AC 120V/60Hz
Test mode: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.250	95.690	63.169	N/A	N/A	32.520	AV
2			2483.500	52.169	19.573	-1.831	54.000	32.596	AV
3			2484.632	52.611	20.012	-1.389	54.000	32.599	AV

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

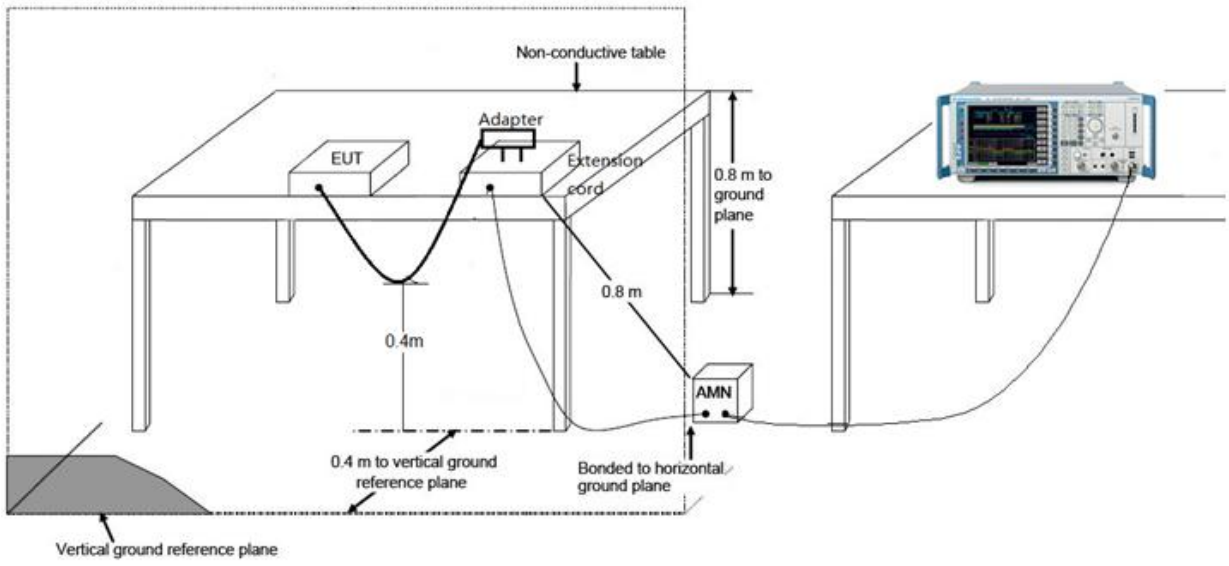
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.8. AC Conducted Emissions Measurement

7.8.1.Test Limit

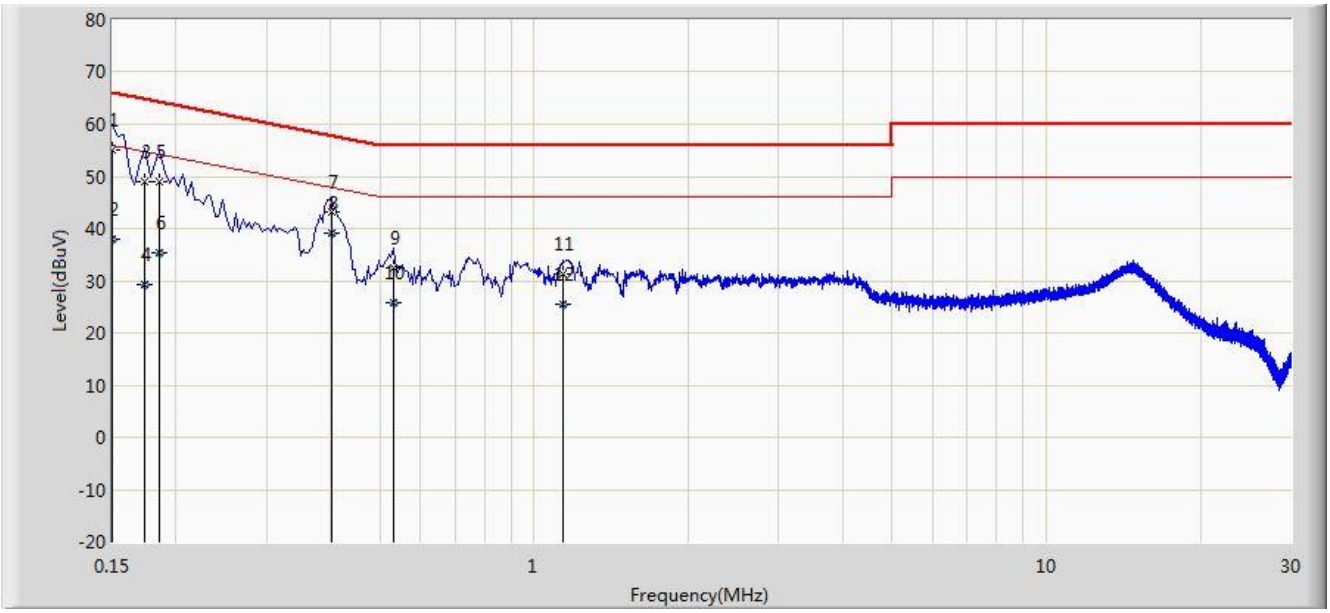
FCC 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

7.8.2.Test Setup



7.8.3.Test Result

Site: SR2	Time: 2018/01/07 - 11:18
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: G-140W-C	Power: AC 120V/60Hz
Worst Case: Test Mode 1 with Adapter #1	

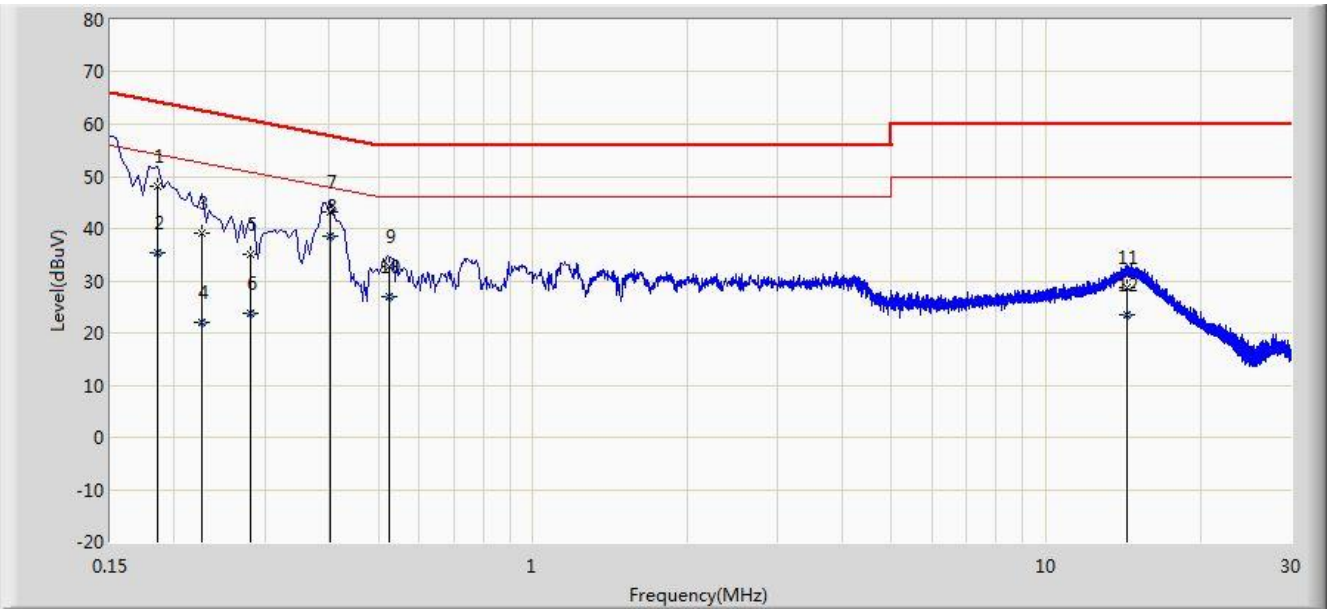


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	55.017	43.848	-10.983	66.000	11.168	QP
2			0.150	37.908	26.739	-18.092	56.000	11.168	AV
3			0.174	48.949	38.881	-15.819	64.767	10.068	QP
4			0.174	29.217	19.149	-25.550	54.767	10.068	AV
5			0.186	49.010	38.971	-15.204	64.213	10.039	QP
6			0.186	35.363	25.324	-18.851	54.213	10.039	AV
7			0.402	43.296	33.209	-14.516	57.812	10.087	QP
8		*	0.402	39.162	29.075	-8.650	47.812	10.087	AV
9			0.530	32.441	22.290	-23.559	56.000	10.151	QP
10			0.530	25.845	15.694	-20.155	46.000	10.151	AV
11			1.142	31.283	21.379	-24.717	56.000	9.904	QP
12			1.142	25.523	15.619	-20.477	46.000	9.904	AV

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

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

Site: SR2	Time: 2018/01/07 - 11:25
Limit: FCC_Part15.207_CE_AC Power	Engineer: Bruce Wang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: G-140W-C	Power: AC 120V/60Hz
Worst Case: Test Mode 1 with Adapter #1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.186	48.236	38.201	-15.977	64.213	10.035	QP
2			0.186	35.275	25.240	-18.939	54.213	10.035	AV
3			0.226	39.012	29.029	-23.584	62.595	9.982	QP
4			0.226	21.996	12.013	-30.600	52.595	9.982	AV
5			0.282	35.135	25.111	-25.621	60.757	10.025	QP
6			0.282	23.775	13.750	-26.982	50.757	10.025	AV
7			0.402	43.095	32.982	-14.717	57.812	10.114	QP
8		*	0.402	38.661	28.548	-9.151	47.812	10.114	AV
9			0.526	32.816	22.644	-23.184	56.000	10.172	QP
10			0.526	26.993	16.821	-19.007	46.000	10.172	AV
11			14.338	28.649	18.547	-31.351	60.000	10.102	QP
12			14.338	23.493	13.391	-26.507	50.000	10.102	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 **G-140W-C, FCC ID: SFK-140W** is in compliance with Part 15C of the FCC Rules.

The End