

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 [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

7.6.2. Test Procedure Used

KDB 558074 D01v03r05 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r05 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r05 - Section 12.2.5 (average power measurements)

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

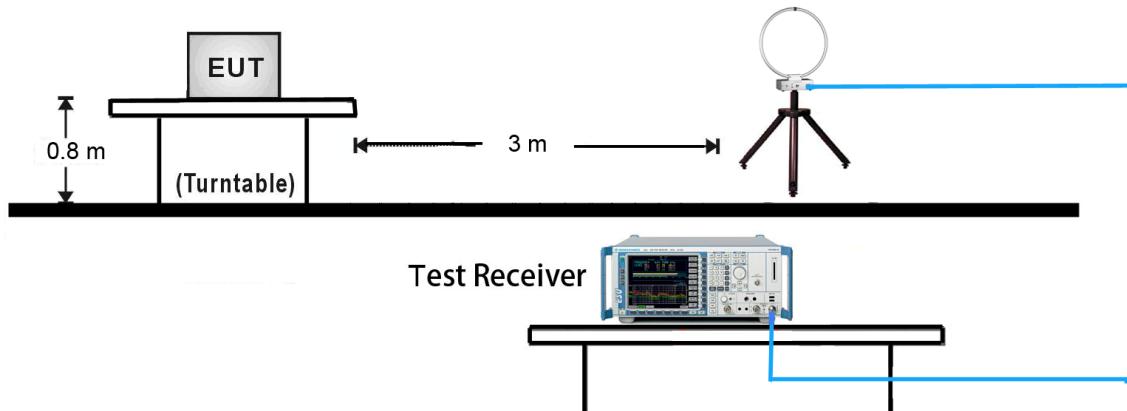
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

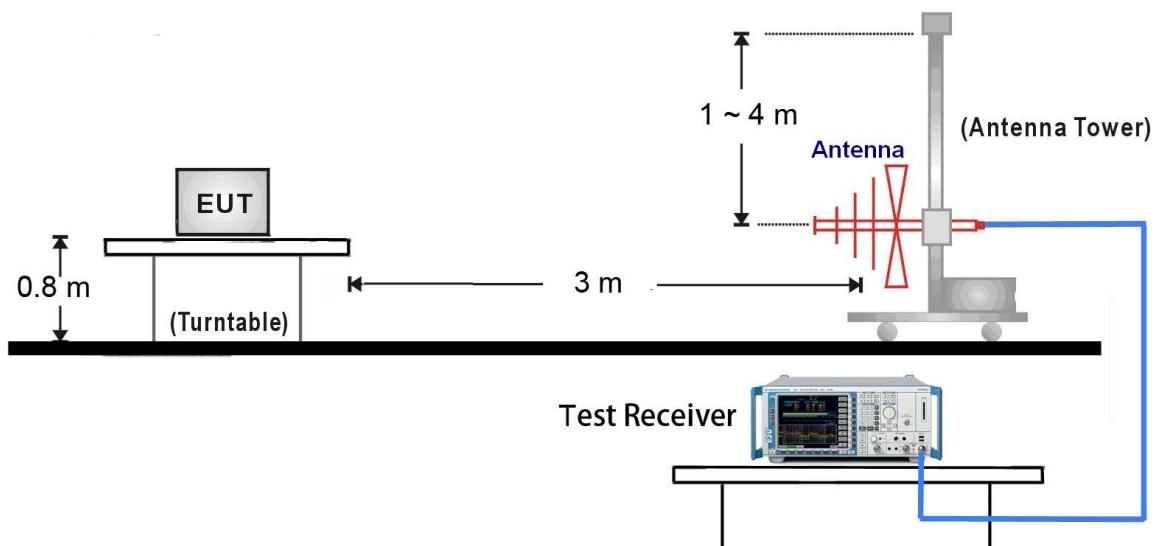
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

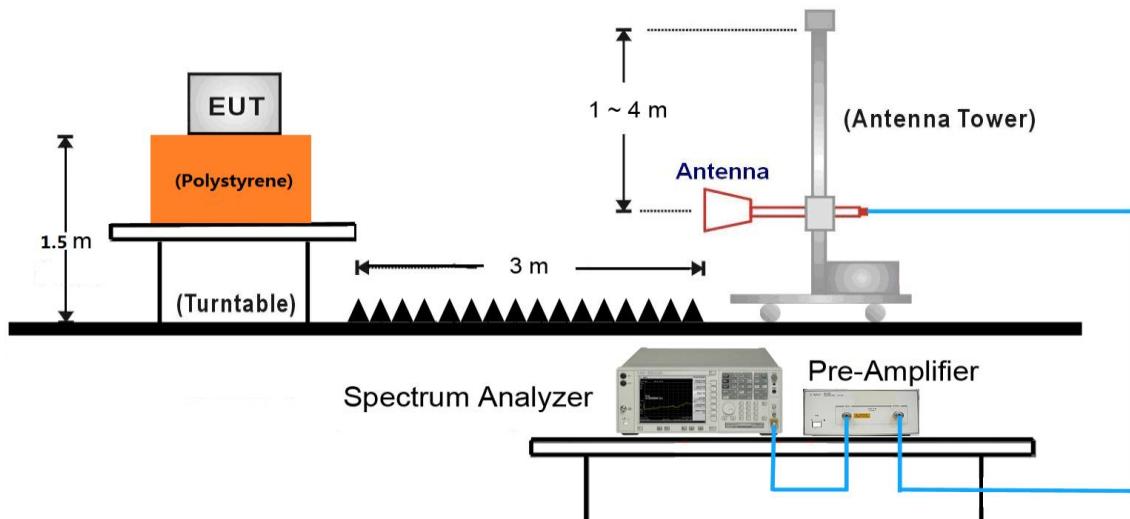
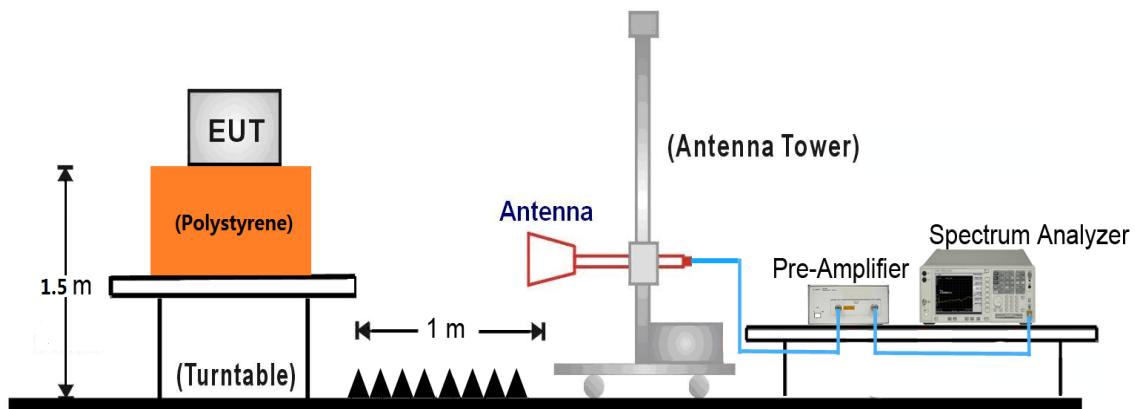
7.6.4. Test Setup

9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

18GHz ~25GHz Test Setup:


7.6.5. Test Result

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3966.5	35.9	0.4	36.3	74.0	-37.7	Peak	Horizontal
	4799.5	34.5	3.7	38.2	74.0	-35.8	Peak	Horizontal
*	8599.0	30.6	13.4	44.0	84.8	-40.8	Peak	Horizontal
*	9678.5	31.8	14.6	46.4	84.8	-38.4	Peak	Horizontal
	3983.5	36.4	0.4	36.8	74.0	-37.2	Peak	Vertical
	4825.0	35.8	3.7	39.5	74.0	-34.5	Peak	Vertical
*	8616.0	30.7	13.5	44.2	84.8	-40.6	Peak	Vertical
*	9908.0	30.6	15.3	45.9	84.8	-38.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.5	0.2	36.7	74.0	-37.3	Peak	Horizontal
	5131.0	34.9	4.2	39.1	74.0	-34.9	Peak	Horizontal
*	8531.0	31.4	13.1	44.5	84.1	-39.6	Peak	Horizontal
*	9627.5	31.4	14.4	45.8	84.1	-38.3	Peak	Horizontal
	3966.5	35.5	0.4	35.9	74.0	-38.1	Peak	Vertical
	4646.5	34.6	3.4	38.0	74.0	-36.0	Peak	Vertical
*	8658.5	30.3	13.6	43.9	84.1	-40.2	Peak	Vertical
*	9678.5	31.0	14.6	45.6	84.1	-38.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.1dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.0	0.2	36.2	74.0	-37.8	Peak	Horizontal
	5020.5	34.7	3.9	38.6	74.0	-35.4	Peak	Horizontal
*	8599.0	30.5	13.4	43.9	83.3	-39.4	Peak	Horizontal
*	9636.0	31.5	14.4	45.9	83.3	-37.4	Peak	Horizontal
	3924.0	35.2	0.3	35.5	74.0	-38.5	Peak	Vertical
	4927.0	39.0	3.7	42.7	74.0	-31.3	Peak	Vertical
*	8590.5	30.7	13.4	44.1	83.3	-39.2	Peak	Vertical
*	9865.5	30.1	16.0	46.1	83.3	-37.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3881.5	35.9	0.3	36.2	74.0	-37.8	Peak	Horizontal
	4850.5	34.2	3.7	37.9	74.0	-36.1	Peak	Horizontal
*	8735.0	29.4	13.9	43.3	88.9	-45.6	Peak	Horizontal
*	9627.5	31.6	14.4	46.0	88.9	-42.9	Peak	Horizontal
	3873.0	35.8	0.3	36.1	74.0	-37.9	Peak	Vertical
	4816.5	41.0	3.7	44.7	74.0	-29.3	Peak	Vertical
*	8599.0	30.9	13.4	44.3	88.9	-44.6	Peak	Vertical
*	9899.5	31.3	15.4	46.7	88.9	-42.2	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.9dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3873.0	36.2	0.3	36.5	74.0	-37.5	Peak	Horizontal
	4876.0	33.8	3.7	37.5	74.0	-36.5	Peak	Horizontal
*	8616.0	30.6	13.5	44.1	88.3	-44.2	Peak	Horizontal
*	9755.0	31.6	14.8	46.4	88.3	-41.9	Peak	Horizontal
	3805.0	35.8	0.2	36.0	74.0	-38.0	Peak	Vertical
	4757.0	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	8735.0	29.7	13.9	43.6	88.3	-44.7	Peak	Vertical
*	9576.5	31.5	14.4	45.9	88.3	-42.4	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3805.0	35.3	0.2	35.5	74.0	-38.5	Peak	Horizontal
	5054.5	35.1	4.0	39.1	74.0	-34.9	Peak	Horizontal
*	8794.5	29.8	13.9	43.7	85.1	-41.4	Peak	Horizontal
*	9925.0	31.7	15.3	47.0	85.1	-38.1	Peak	Horizontal
	3754.0	36.0	0.2	36.2	74.0	-37.8	Peak	Vertical
	4927.0	39.1	3.7	42.8	74.0	-31.2	Peak	Vertical
*	8777.5	29.9	13.9	43.8	85.1	-41.3	Peak	Vertical
*	9916.5	31.3	15.3	46.6	85.1	-38.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.1dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3941.0	35.2	0.3	35.5	74.0	-38.5	Peak	Horizontal
	4663.5	34.3	3.4	37.7	74.0	-36.3	Peak	Horizontal
*	8692.5	28.3	13.7	42.0	87.8	-45.8	Peak	Horizontal
*	9874.0	30.5	15.8	46.3	87.8	-41.5	Peak	Horizontal
	3813.5	36.0	0.3	36.3	74.0	-37.7	Peak	Vertical
	4816.5	42.1	3.7	45.8	74.0	-28.2	Peak	Vertical
*	8896.5	29.9	14.0	43.9	87.8	-43.9	Peak	Vertical
*	9755.0	31.0	14.8	45.8	87.8	-42.0	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	38.1	0.2	38.3	74.0	-35.7	Peak	Horizontal
	4689.0	34.0	3.5	37.5	74.0	-36.5	Peak	Horizontal
*	8709.5	28.9	13.8	42.7	87.2	-44.5	Peak	Horizontal
*	9755.0	31.2	14.8	46.0	87.2	-41.2	Peak	Horizontal
	3856.0	36.4	0.3	36.7	74.0	-37.3	Peak	Vertical
	4774.0	33.6	3.7	37.3	74.0	-36.7	Peak	Vertical
*	8743.5	30.1	13.9	44.0	87.2	-43.2	Peak	Vertical
*	9814.5	29.2	15.4	44.6	87.2	-42.6	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.2dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	38.3	0.2	38.5	74.0	-35.5	Peak	Horizontal
	4646.5	35.0	3.4	38.4	74.0	-35.6	Peak	Horizontal
*	8718.0	29.9	13.8	43.7	84.9	-41.2	Peak	Horizontal
*	10452.0	30.9	17.1	48.0	84.9	-36.9	Peak	Horizontal
	3890.0	36.8	0.3	37.1	74.0	-36.9	Peak	Vertical
	4927.0	36.1	3.7	39.8	74.0	-34.2	Peak	Vertical
*	8777.5	30.0	13.9	43.9	84.9	-41.0	Peak	Vertical
*	10010.0	30.4	15.4	45.8	84.9	-39.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.9dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.7	0.2	37.9	74.0	-36.1	Peak	Horizontal
	4774.0	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	8667.0	29.9	13.6	43.5	84.3	-40.8	Peak	Horizontal
*	10001.5	30.7	15.4	46.1	84.3	-38.2	Peak	Horizontal
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Vertical
	4816.5	36.6	3.7	40.3	74.0	-33.7	Peak	Vertical
*	8684.0	30.3	13.7	44.0	84.3	-40.3	Peak	Vertical
*	9627.5	33.8	14.4	48.2	84.3	-36.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3847.5	35.7	0.3	36.0	74.0	-38.0	Peak	Horizontal
	4655.0	35.3	3.4	38.7	74.0	-35.3	Peak	Horizontal
*	8845.5	29.6	14.0	43.6	85.5	-41.9	Peak	Horizontal
*	10061.0	30.5	15.6	46.1	85.5	-39.4	Peak	Horizontal
	3754.0	37.4	0.2	37.6	74.0	-36.4	Peak	Vertical
	4816.5	34.6	3.7	38.3	74.0	-35.7	Peak	Vertical
*	8641.5	30.8	13.5	44.3	85.5	-41.2	Peak	Vertical
*	9738.0	32.1	14.8	46.9	85.5	-38.6	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.5dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3873.0	35.9	0.3	36.2	74.0	-37.8	Peak	Horizontal
	4748.5	35.0	3.7	38.7	74.0	-35.3	Peak	Horizontal
*	8769.0	30.1	13.9	44.0	81.6	-37.6	Peak	Horizontal
*	9831.5	29.7	15.9	45.6	81.6	-36.0	Peak	Horizontal
	3754.0	37.9	0.2	38.1	74.0	-35.9	Peak	Vertical
	4918.5	34.7	3.7	38.4	74.0	-35.6	Peak	Vertical
*	8913.5	30.3	14.0	44.3	81.6	-37.3	Peak	Vertical
*	9576.5	32.5	14.4	46.9	81.6	-34.7	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.6dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.6	0.2	37.8	74.0	-36.2	Peak	Horizontal
	4927.0	35.8	3.7	39.5	74.0	-34.5	Peak	Horizontal
*	8845.5	30.0	14.0	44.0	84.8	-40.8	Peak	Horizontal
*	9636.0	32.2	14.4	46.6	84.8	-38.2	Peak	Horizontal
	3754.0	37.2	0.2	37.4	74.0	-36.6	Peak	Vertical
	4825.0	36.5	3.7	40.2	74.0	-33.8	Peak	Vertical
*	8913.5	30.3	14.0	44.3	84.8	-40.5	Peak	Vertical
*	10256.5	30.8	16.5	47.3	84.8	-37.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4102.5	36.7	0.7	37.4	74.0	-36.6	Peak	Horizontal
	4986.5	35.2	3.8	39.0	74.0	-35.0	Peak	Horizontal
*	8701.0	30.2	13.8	44.0	84.3	-40.3	Peak	Horizontal
*	10299.0	30.8	16.6	47.4	84.3	-36.9	Peak	Horizontal
	3890.0	36.8	0.3	37.1	74.0	-36.9	Peak	Vertical
	4808.0	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
*	8794.5	29.9	13.9	43.8	84.3	-40.5	Peak	Vertical
*	10010.0	30.7	15.4	46.1	84.3	-38.2	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.2	0.2	37.4	74.0	-36.6	Peak	Horizontal
	4646.5	35.6	3.4	39.0	74.0	-35.0	Peak	Horizontal
*	8658.5	30.5	13.6	44.1	83.7	-39.6	Peak	Horizontal
*	9763.5	31.9	14.9	46.8	83.7	-36.9	Peak	Horizontal
	3813.5	36.2	0.3	36.5	74.0	-37.5	Peak	Vertical
	4867.5	35.5	3.7	39.2	74.0	-34.8	Peak	Vertical
*	8905.0	29.9	14.0	43.9	83.7	-39.8	Peak	Vertical
*	10248.0	31.5	16.4	47.9	83.7	-35.8	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3915.5	36.5	0.3	36.8	74.0	-37.2	Peak	Horizontal
	4995.0	34.3	3.8	38.1	74.0	-35.9	Peak	Horizontal
*	8922.0	30.2	14.0	44.2	87.3	-43.1	Peak	Horizontal
*	10010.0	31.1	15.4	46.5	87.3	-40.8	Peak	Horizontal
	3864.5	36.4	0.3	36.7	74.0	-37.3	Peak	Vertical
	4808.0	37.2	3.7	40.9	74.0	-33.1	Peak	Vertical
*	8854.0	29.6	14.0	43.6	87.3	-43.7	Peak	Vertical
*	9942.0	30.6	15.3	45.9	87.3	-41.4	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.3	0.2	37.5	74.0	-36.5	Peak	Horizontal
	4850.5	34.0	3.7	37.7	74.0	-36.3	Peak	Horizontal
*	8811.5	28.7	14.0	42.7	87.5	-44.8	Peak	Horizontal
*	10001.5	30.6	15.4	46.0	87.5	-41.5	Peak	Horizontal
	3754.0	36.4	0.2	36.6	74.0	-37.4	Peak	Vertical
	4859.0	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	8701.0	29.6	13.8	43.4	87.5	-44.1	Peak	Vertical
*	9874.0	30.8	15.8	46.6	87.5	-40.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.5dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3898.5	36.6	0.3	36.9	74.0	-37.1	Peak	Horizontal
	4850.5	34.9	3.7	38.6	74.0	-35.4	Peak	Horizontal
*	8786.0	30.0	13.9	43.9	84.3	-40.4	Peak	Horizontal
*	9576.5	31.8	14.4	46.2	84.3	-38.1	Peak	Horizontal
	3898.5	36.2	0.3	36.5	74.0	-37.5	Peak	Vertical
	4952.5	35.7	3.7	39.4	74.0	-34.6	Peak	Vertical
*	8735.0	30.6	13.9	44.5	84.3	-39.8	Peak	Vertical
*	9627.5	31.7	14.4	46.1	84.3	-38.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.2	0.2	37.4	74.0	-36.6	Peak	Horizontal
	4884.5	34.5	3.7	38.2	74.0	-35.8	Peak	Horizontal
*	8777.5	30.7	13.9	44.6	86.3	-41.7	Peak	Horizontal
*	9755.0	32.2	14.8	47.0	86.3	-39.3	Peak	Horizontal
	3754.0	36.2	0.2	36.4	74.0	-37.6	Peak	Vertical
	4816.5	36.5	3.7	40.2	74.0	-33.8	Peak	Vertical
*	8777.5	30.1	13.9	44.0	86.3	-42.3	Peak	Vertical
*	10001.5	31.0	15.4	46.4	86.3	-39.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.3dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3864.5	36.2	0.3	36.5	74.0	-37.5	Peak	Horizontal
	5003.5	34.5	3.8	38.3	74.0	-35.7	Peak	Horizontal
*	8752.0	29.4	13.9	43.3	88.1	-44.8	Peak	Horizontal
*	9891.0	31.1	15.5	46.6	88.1	-41.5	Peak	Horizontal
	3745.5	36.8	0.2	37.0	74.0	-37.0	Peak	Vertical
	4825.0	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
*	8726.5	29.1	13.8	42.9	88.1	-45.2	Peak	Vertical
*	9916.5	30.7	15.3	46.0	88.1	-42.1	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.1dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3830.5	36.2	0.3	36.5	74.0	-37.5	Peak	Horizontal
	4799.5	34.8	3.7	38.5	74.0	-35.5	Peak	Horizontal
*	8760.5	29.7	13.9	43.6	81.9	-38.3	Peak	Horizontal
*	9670.0	31.2	14.5	45.7	81.9	-36.2	Peak	Horizontal
	3754.0	38.2	0.2	38.4	74.0	-35.6	Peak	Vertical
	4816.5	34.1	3.7	37.8	74.0	-36.2	Peak	Vertical
*	8718.0	30.3	13.8	44.1	81.9	-37.8	Peak	Vertical
*	9857.0	28.4	16.2	44.6	81.9	-37.3	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Horizontal
	4961.0	35.8	3.7	39.5	74.0	-34.5	Peak	Horizontal
*	8837.0	29.5	14.0	43.5	83.8	-40.3	Peak	Horizontal
*	9908.0	31.1	15.3	46.4	83.8	-37.4	Peak	Horizontal
	3754.0	38.9	0.2	39.1	74.0	-34.9	Peak	Vertical
	4774.0	34.8	3.7	38.5	74.0	-35.5	Peak	Vertical
*	8803.0	30.1	14.0	44.1	83.8	-39.7	Peak	Vertical
*	9772.0	31.6	14.9	46.5	83.8	-37.3	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Horizontal
	4901.5	34.0	3.7	37.7	74.0	-36.3	Peak	Horizontal
*	8743.5	29.6	13.9	43.5	86.7	-43.2	Peak	Horizontal
*	9823.0	30.2	15.6	45.8	86.7	-40.9	Peak	Horizontal
	3737.0	37.0	0.2	37.2	74.0	-36.8	Peak	Vertical
	4706.0	35.4	3.6	39.0	74.0	-35.0	Peak	Vertical
*	8786.0	29.5	13.9	43.4	86.7	-43.3	Peak	Vertical
*	9755.0	31.0	14.8	45.8	86.7	-40.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3847.5	37.2	0.3	37.5	74.0	-36.5	Peak	Horizontal
	4867.5	34.7	3.7	38.4	74.0	-35.6	Peak	Horizontal
*	8667.0	31.0	13.6	44.6	77.7	-33.1	Peak	Horizontal
*	9746.5	31.6	14.8	46.4	77.7	-31.3	Peak	Horizontal
	3898.5	35.2	0.3	35.5	74.0	-38.5	Peak	Vertical
	4774.0	34.7	3.7	38.4	74.0	-35.6	Peak	Vertical
*	8820.0	29.8	14.0	43.8	77.7	-33.9	Peak	Vertical
*	9916.5	30.5	15.3	45.8	77.7	-31.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	38.5	0.2	38.7	74.0	-35.3	Peak	Horizontal
	4663.5	35.9	3.4	39.3	74.0	-34.7	Peak	Horizontal
*	8752.0	29.7	13.9	43.6	89.4	-45.8	Peak	Horizontal
*	9755.0	32.7	14.8	47.5	89.4	-41.9	Peak	Horizontal
	3728.5	35.1	0.2	35.3	74.0	-38.7	Peak	Vertical
	4825.0	37.9	3.7	41.6	74.0	-32.4	Peak	Vertical
*	8854.0	28.7	14.0	42.7	89.4	-46.7	Peak	Vertical
*	9950.5	31.4	15.3	46.7	89.4	-42.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.4dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> Average measurement was not performed if peak level lower than average limit. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3890.0	37.0	0.3	37.3	74.0	-36.7	Peak	Horizontal
	4833.5	33.9	3.7	37.6	74.0	-36.4	Peak	Horizontal
*	8735.0	29.8	13.9	43.7	88.6	-44.9	Peak	Horizontal
*	9899.5	30.9	15.4	46.3	88.6	-42.3	Peak	Horizontal
	3754.0	36.8	0.2	37.0	74.0	-37.0	Peak	Vertical
	4876.0	35.2	3.7	38.9	74.0	-35.1	Peak	Vertical
*	8777.5	29.1	13.9	43.0	88.6	-45.6	Peak	Vertical
*	9806.0	28.7	15.2	43.9	88.6	-44.7	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.6dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b - Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3745.5	36.6	0.2	36.8	74.0	-37.2	Peak	Horizontal
	4808.0	33.0	3.7	36.7	74.0	-37.3	Peak	Horizontal
*	8922.0	31.1	14.0	45.1	85.2	-40.1	Peak	Horizontal
*	9874.0	30.6	15.8	46.4	85.2	-38.8	Peak	Horizontal
	3805.0	36.6	0.2	36.8	74.0	-37.2	Peak	Vertical
	4927.0	37.0	3.7	40.7	74.0	-33.3	Peak	Vertical
*	8973.0	30.1	14.1	44.2	85.2	-41.0	Peak	Vertical
*	9755.0	31.0	14.8	45.8	85.2	-39.4	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.2dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	38.3	0.2	38.5	74.0	-35.5	Peak	Horizontal
	5003.5	35.4	3.8	39.2	74.0	-34.8	Peak	Horizontal
*	8930.5	29.5	14.0	43.5	92.4	-48.9	Peak	Horizontal
*	9899.5	30.7	15.4	46.1	92.4	-46.3	Peak	Horizontal
	3890.0	36.3	0.3	36.6	74.0	-37.4	Peak	Vertical
	4816.5	41.7	3.7	45.4	74.0	-28.6	Peak	Vertical
*	8769.0	28.7	13.9	42.6	92.4	-49.8	Peak	Vertical
*	10061.0	31.8	15.6	47.4	92.4	-45.0	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.4dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4034.5	37.3	0.5	37.8	74.0	-36.2	Peak	Horizontal
	4969.5	34.6	3.7	38.3	74.0	-35.7	Peak	Horizontal
*	8820.0	30.0	14.0	44.0	92.9	-48.9	Peak	Horizontal
*	9840.0	29.9	16.0	45.9	92.9	-47.0	Peak	Horizontal
	3856.0	24.5	12.1	36.6	74.0	-37.4	Peak	Vertical
	4986.5	23.3	15.0	38.3	74.0	-35.7	Peak	Vertical
*	8786.0	20.8	23.1	43.9	92.9	-49.0	Peak	Vertical
*	9755.0	21.0	25.0	46.0	92.9	-46.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.9dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g - Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Horizontal
	4927.0	34.6	3.7	38.3	74.0	-35.7	Peak	Horizontal
*	8752.0	29.4	13.9	43.3	86.8	-43.5	Peak	Horizontal
*	10180.0	32.9	16.1	49.0	86.8	-37.8	Peak	Horizontal
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Vertical
	5029.0	35.4	3.9	39.3	74.0	-34.7	Peak	Vertical
*	8888.0	28.4	14.0	42.4	86.8	-44.4	Peak	Vertical
*	9933.5	30.8	15.3	46.1	86.8	-40.7	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4077.0	36.5	0.6	37.1	74.0	-36.9	Peak	Horizontal
	5054.5	34.4	4.0	38.4	74.0	-35.6	Peak	Horizontal
*	8786.0	29.1	13.9	43.0	89.4	-46.4	Peak	Horizontal
*	10112.0	30.6	15.8	46.4	89.4	-43.0	Peak	Horizontal
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Vertical
	4808.0	38.2	3.7	41.9	74.0	-32.1	Peak	Vertical
*	8548.0	31.0	13.2	44.2	89.4	-45.2	Peak	Vertical
*	9695.5	31.7	14.6	46.3	89.4	-43.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.4dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3915.5	36.2	0.3	36.5	74.0	-37.5	Peak	Horizontal
	5003.5	34.9	3.8	38.7	74.0	-35.3	Peak	Horizontal
*	8786.0	29.4	13.9	43.3	92.1	-48.8	Peak	Horizontal
*	9874.0	29.7	15.8	45.5	92.1	-46.6	Peak	Horizontal
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Vertical
	4621.0	35.8	3.3	39.1	74.0	-34.9	Peak	Vertical
*	8939.0	31.2	14.0	45.2	92.1	-46.9	Peak	Vertical
*	9865.5	29.2	16.0	45.2	92.1	-46.9	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.1dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.5	0.2	36.7	74.0	-37.3	Peak	Horizontal
	4876.0	34.4	3.7	38.1	74.0	-35.9	Peak	Horizontal
*	8794.5	29.3	13.9	43.2	83.7	-40.5	Peak	Horizontal
*	9755.0	31.6	14.8	46.4	83.7	-37.3	Peak	Horizontal
	3839.0	36.5	0.3	36.8	74.0	-37.2	Peak	Vertical
	5037.5	35.3	4.0	39.3	74.0	-34.7	Peak	Vertical
*	8735.0	28.9	13.9	42.8	83.7	-40.9	Peak	Vertical
*	9738.0	31.4	14.8	46.2	83.7	-37.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	37.2	0.2	37.4	74.0	-36.6	Peak	Horizontal
	4697.5	34.8	3.6	38.4	74.0	-35.6	Peak	Horizontal
*	8684.0	30.6	13.7	44.3	85.4	-41.1	Peak	Horizontal
*	9772.0	31.3	14.9	46.2	85.4	-39.2	Peak	Horizontal
	3754.0	37.8	0.2	38.0	74.0	-36.0	Peak	Vertical
	4876.0	34.4	3.7	38.1	74.0	-35.9	Peak	Vertical
*	8777.5	29.3	13.9	43.2	85.4	-42.2	Peak	Vertical
*	9789.0	29.6	15.0	44.6	85.4	-40.8	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.4dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
Remark:	<ol style="list-style-type: none"> 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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3754.0	36.9	0.2	37.1	74.0	-36.9	Peak	Horizontal
	5063.0	35.2	4.0	39.2	74.0	-34.8	Peak	Horizontal
*	8913.5	30.1	14.0	44.1	89.6	-45.5	Peak	Horizontal
*	9746.5	30.5	14.8	45.3	89.6	-44.3	Peak	Horizontal
	3924.0	36.2	0.3	36.5	74.0	-37.5	Peak	Vertical
	4893.0	35.2	3.7	38.9	74.0	-35.1	Peak	Vertical
*	8718.0	29.9	13.8	43.7	89.6	-45.9	Peak	Vertical
*	9908.0	30.8	15.3	46.1	89.6	-43.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.6dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
Antenna Model No.	WiFi Omni Ant		
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	3941.0	36.8	0.3	37.1	74.0	-36.9	Peak	Horizontal
	4986.5	35.8	3.8	39.6	74.0	-34.4	Peak	Horizontal
*	8667.0	29.7	13.6	43.3	79.1	-35.8	Peak	Horizontal
*	9763.5	30.9	14.9	45.8	79.1	-33.3	Peak	Horizontal
	3754.0	37.4	0.2	37.6	74.0	-36.4	Peak	Vertical
	5003.5	35.0	3.8	38.8	74.0	-35.2	Peak	Vertical
*	8769.0	30.5	13.9	44.4	79.1	-34.7	Peak	Vertical
*	10069.5	30.9	15.6	46.5	79.1	-32.6	Peak	Vertical

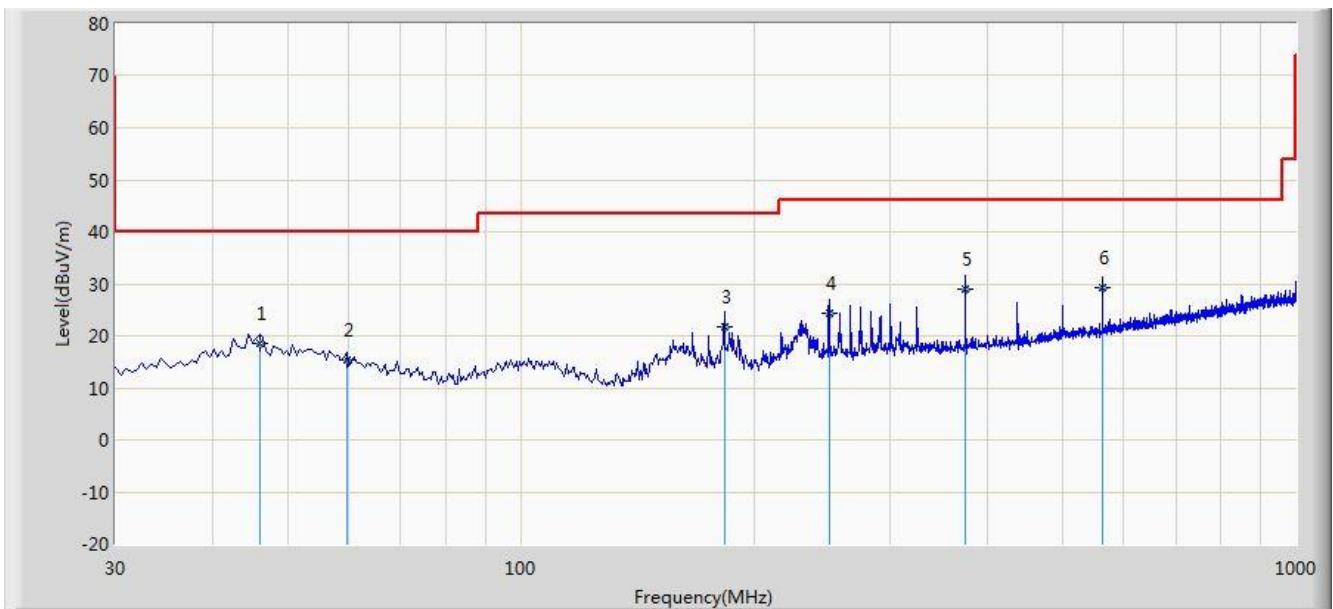
Note 1: “**” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dB μ V/m) or FCC 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/02/28 - 13:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

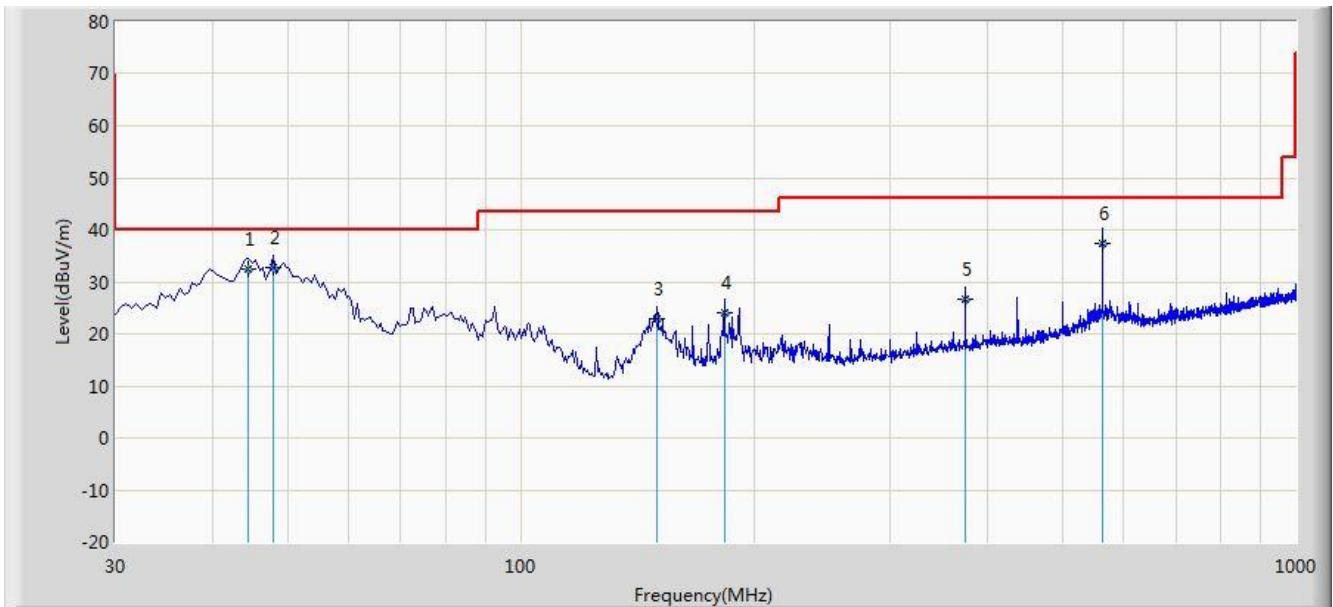


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			46.005	18.426	3.415	-21.574	40.000	15.011	QP
2			59.585	15.343	1.360	-24.657	40.000	13.983	QP
3			183.260	21.751	10.427	-21.749	43.500	11.323	QP
4			250.190	24.485	10.635	-21.515	46.000	13.850	QP
5			374.835	29.073	12.648	-16.927	46.000	16.425	QP
6			562.530	29.382	9.726	-16.618	46.000	19.656	QP

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

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

Site: AC1	Time: 2017/02/28 - 14:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	

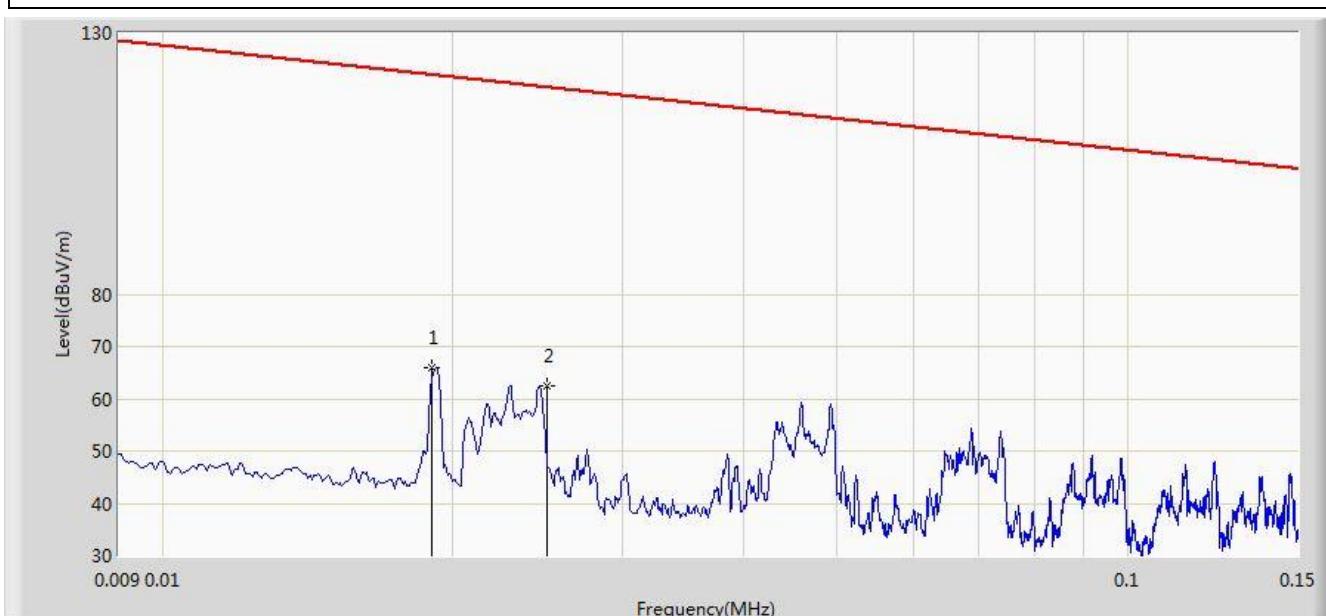


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			44.550	32.380	17.635	-7.620	40.000	14.745	QP
2			47.945	32.804	17.820	-7.196	40.000	14.984	QP
3			149.795	23.014	13.427	-20.486	43.500	9.587	QP
4			183.260	23.963	12.639	-19.537	43.500	11.323	QP
5			374.835	26.626	10.201	-19.374	46.000	16.425	QP
6			562.530	37.290	17.634	-8.710	46.000	19.656	QP

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

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

Site: AC1	Time: 2017/02/24 - 21:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

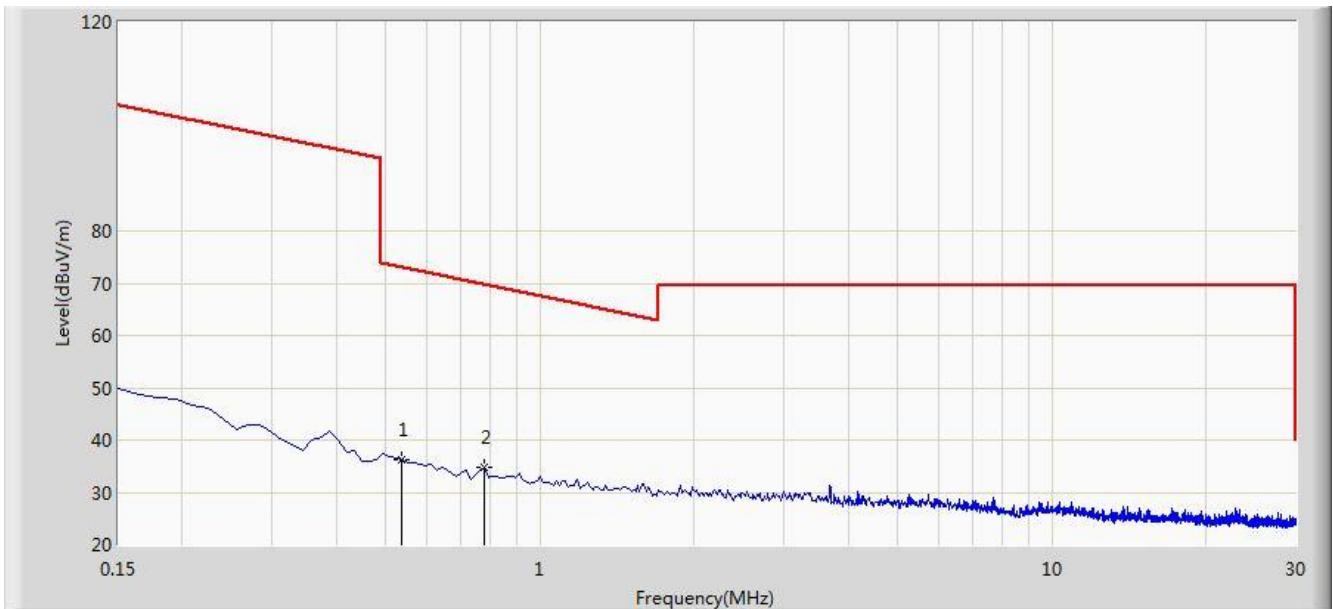


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	0.019	65.923	45.618	-56.090	122.013	20.305	QP
2			0.025	62.453	42.091	-57.178	119.631	20.362	QP

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

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

Site: AC1	Time: 2017/02/24 - 21:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

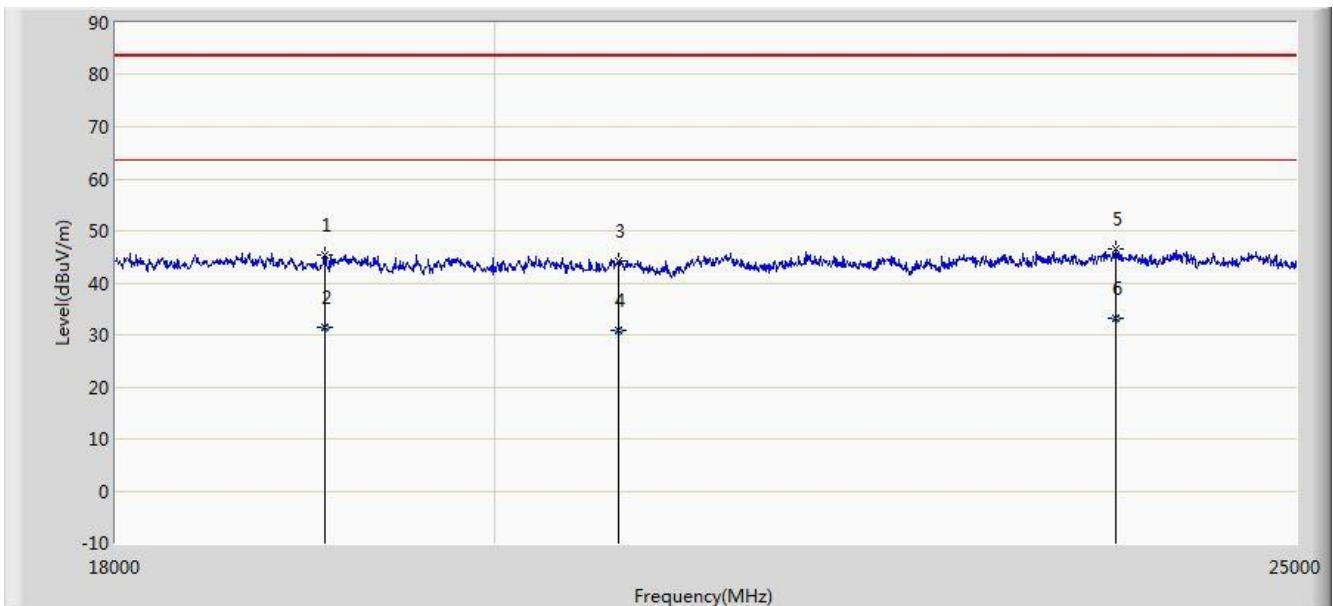


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			0.538	36.105	15.834	-36.885	72.991	20.271	QP
2		*	0.777	34.720	14.464	-35.087	69.807	20.256	QP

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

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

Site: AC1	Time: 2017/02/28 - 17:37
Limit: FCC_Part15.209_RE(1m)	Engineer: Kevin Ker
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	

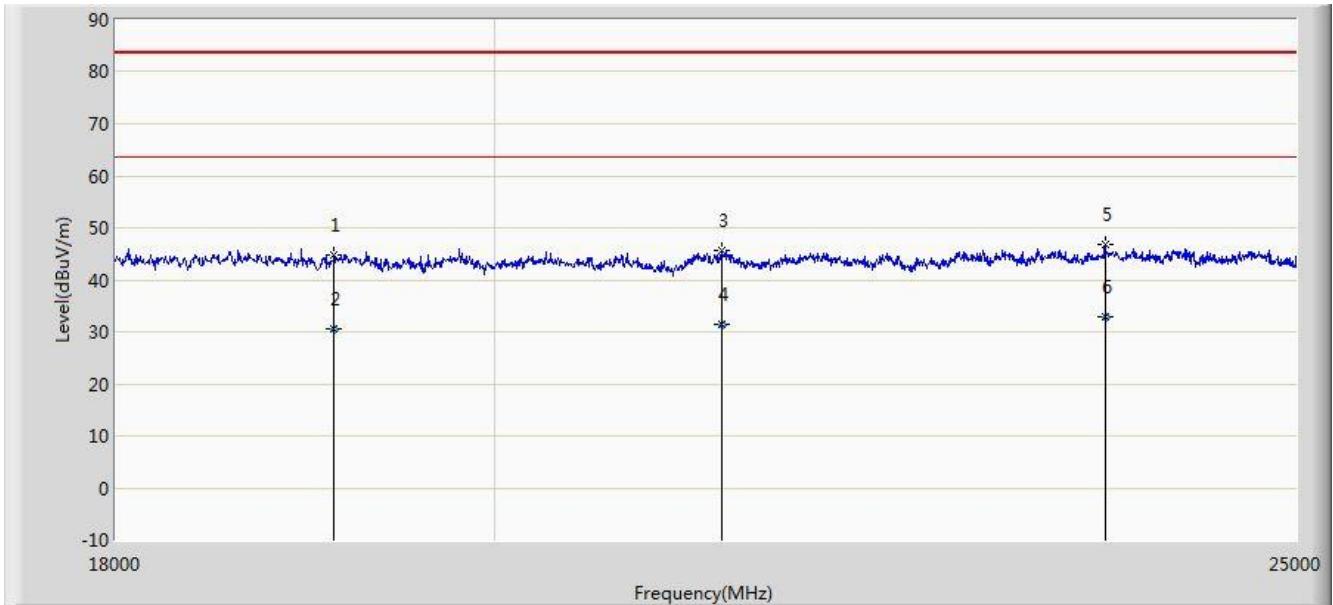


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19079.500	45.304	35.023	-38.196	83.500	10.281	PK
2			19079.500	31.515	21.234	-31.985	63.500	10.281	AV
3			20703.000	44.300	35.042	-39.200	83.500	9.258	PK
4			20703.000	30.759	21.501	-32.741	63.500	9.258	AV
5			23775.750	46.454	35.973	-37.046	83.500	10.481	PK
6			23775.750	33.327	22.846	-30.173	63.500	10.481	AV

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

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

Site: AC1	Time: 2017/02/28 - 14:36
Limit: FCC_Part15.209_RE(1m)	Engineer: Kevin Ker
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19130.500	44.860	34.672	-38.640	83.500	10.188	PK
2			19130.500	30.502	20.314	-32.998	63.500	10.188	AV
3			21310.750	45.737	36.358	-37.763	83.500	9.379	PK
4			21310.750	31.541	22.162	-31.959	63.500	9.379	AV
5			23707.750	46.774	36.314	-36.726	83.500	10.461	PK
6			23707.750	32.895	22.435	-30.605	63.500	10.461	AV

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

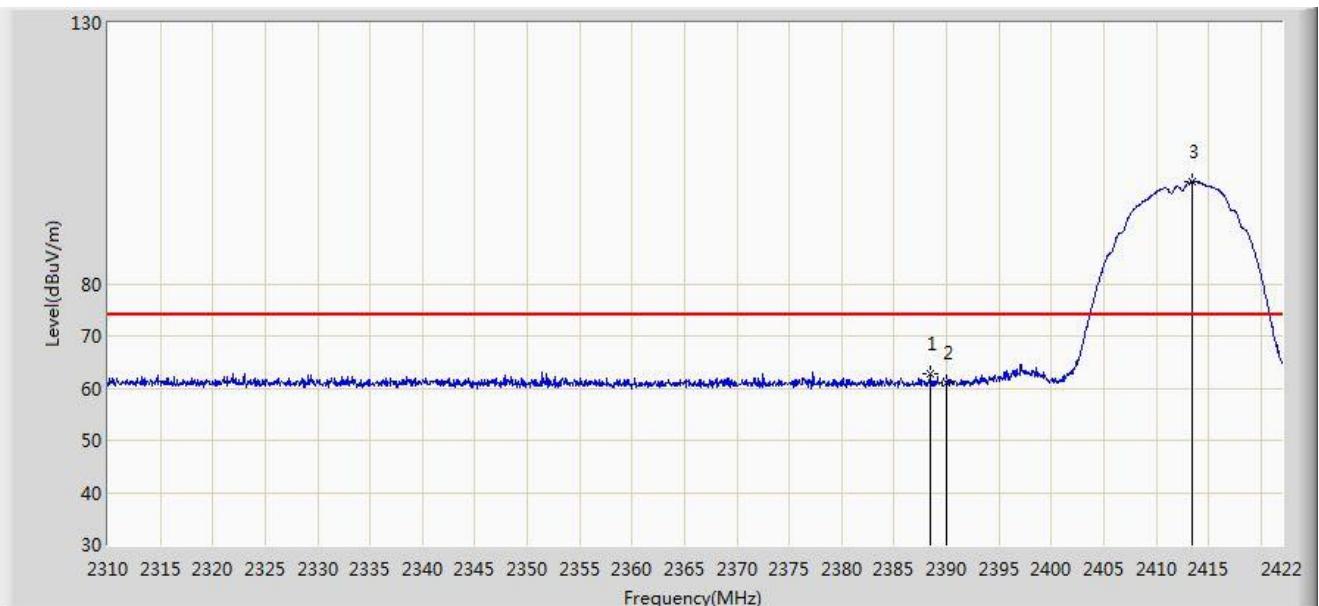
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

WiFi Omni Ant Test Result

Site: AC1	Time: 2017/02/13 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

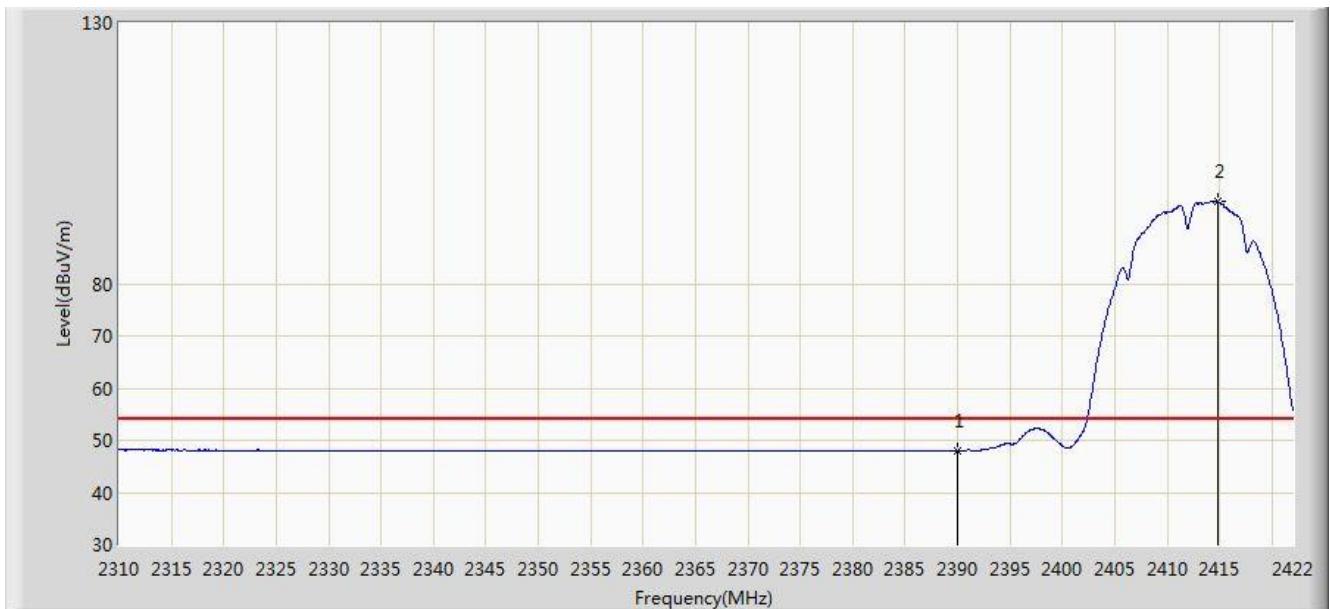


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2388.512	62.832	30.276	-11.168	74.000	32.556	PK
2			2390.000	60.930	28.376	-13.070	74.000	32.554	PK
3			2413.432	99.476	66.952	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

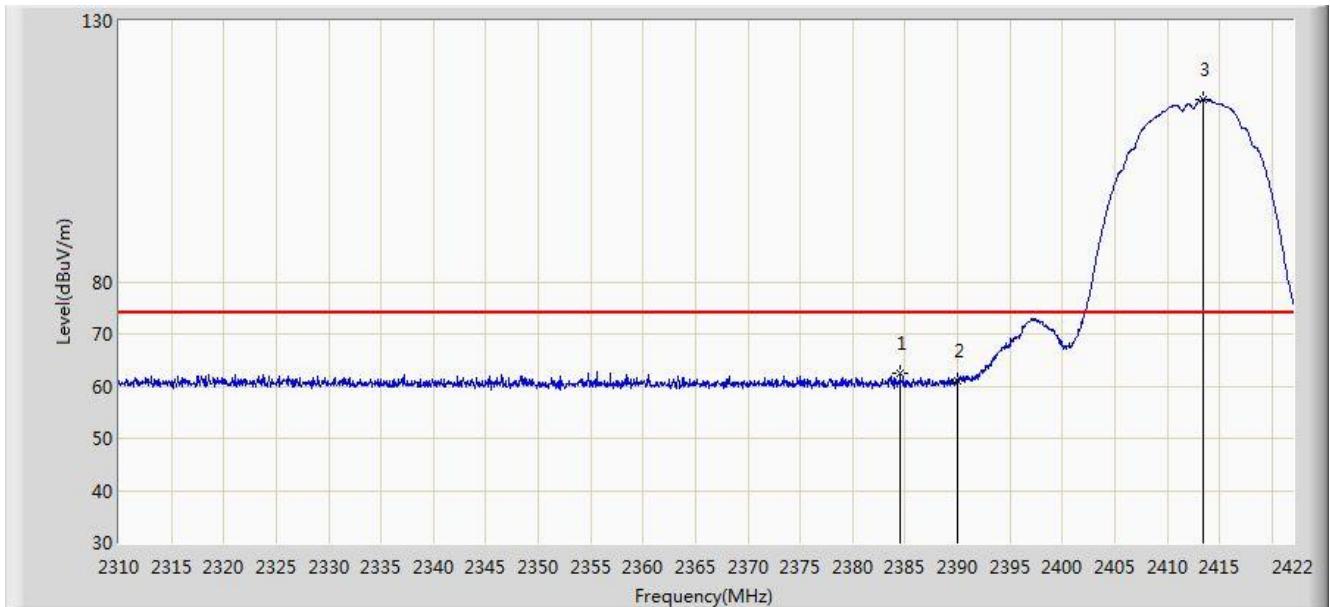


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.055	15.501	-5.945	54.000	32.554	AV
2			2414.776	95.895	63.373	N/A	N/A	32.522	AV

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

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

Site: AC1	Time: 2017/02/13 - 14:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

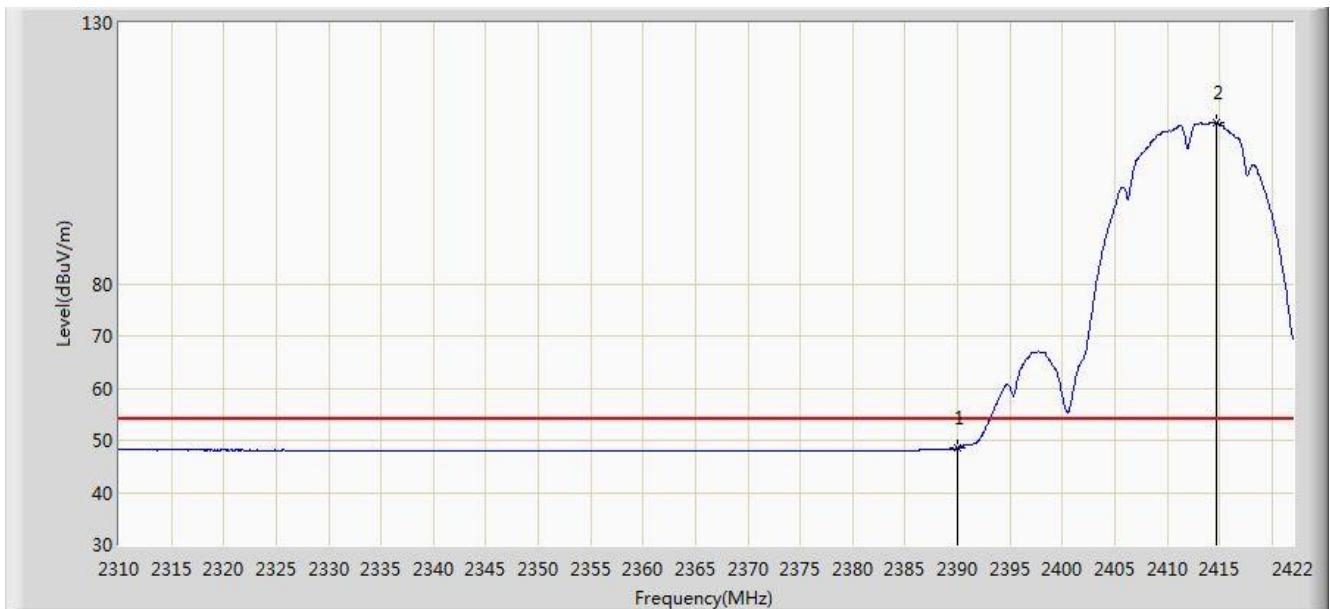


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2384.536	62.356	29.794	-11.644	74.000	32.561	PK
2			2390.000	61.083	28.529	-12.917	74.000	32.554	PK
3			2413.432	114.826	82.302	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 14:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

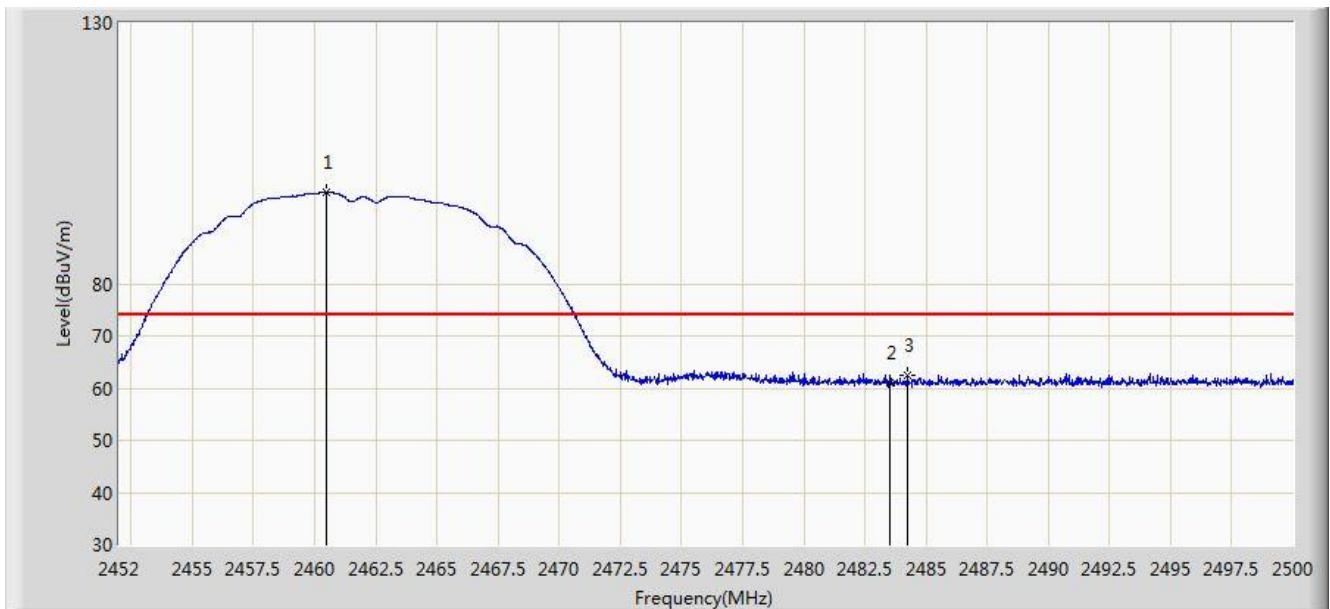


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	48.465	15.911	-5.535	54.000	32.554	AV
2			2414.720	110.966	78.444	N/A	N/A	32.522	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2460.496	97.442	64.928	N/A	N/A	32.514	PK
2			2483.500	61.029	28.448	-12.971	74.000	32.580	PK
3			2484.232	62.358	29.775	-11.642	74.000	32.583	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

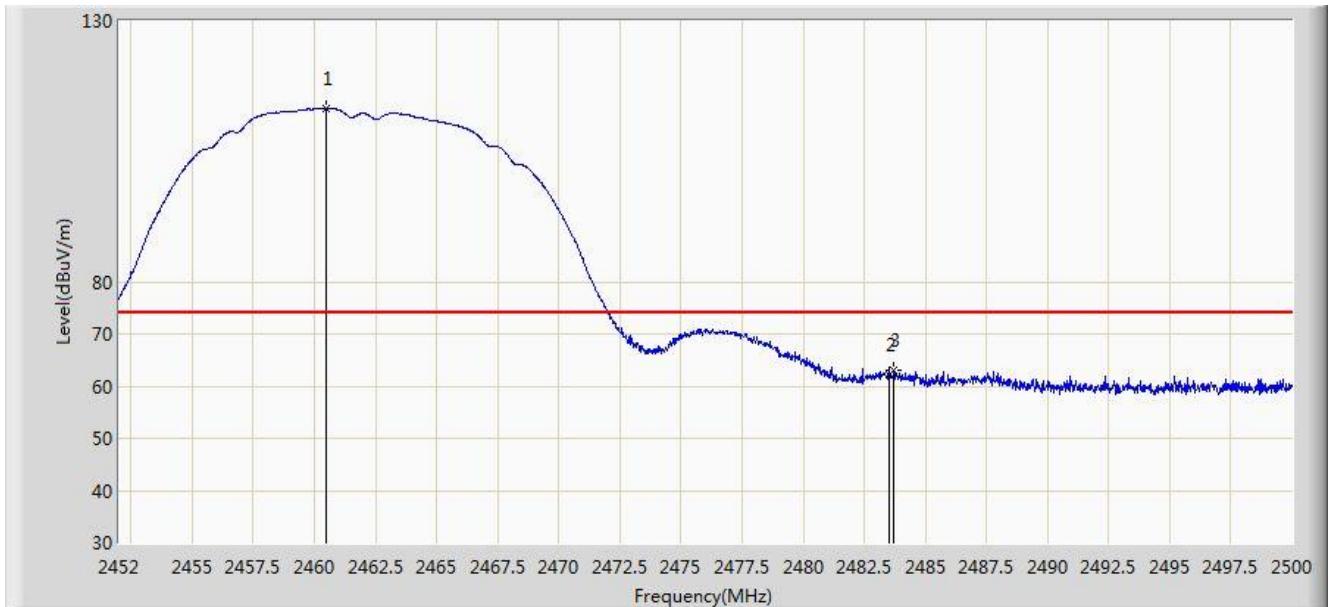


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2459.680	93.720	61.208	N/A	N/A	32.513	AV
2			2483.500	48.209	15.628	-5.791	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2460.496	113.279	80.765	N/A	N/A	32.514	PK
2			2483.500	62.313	29.732	-11.687	74.000	32.580	PK
3			2483.704	63.168	30.587	-10.832	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

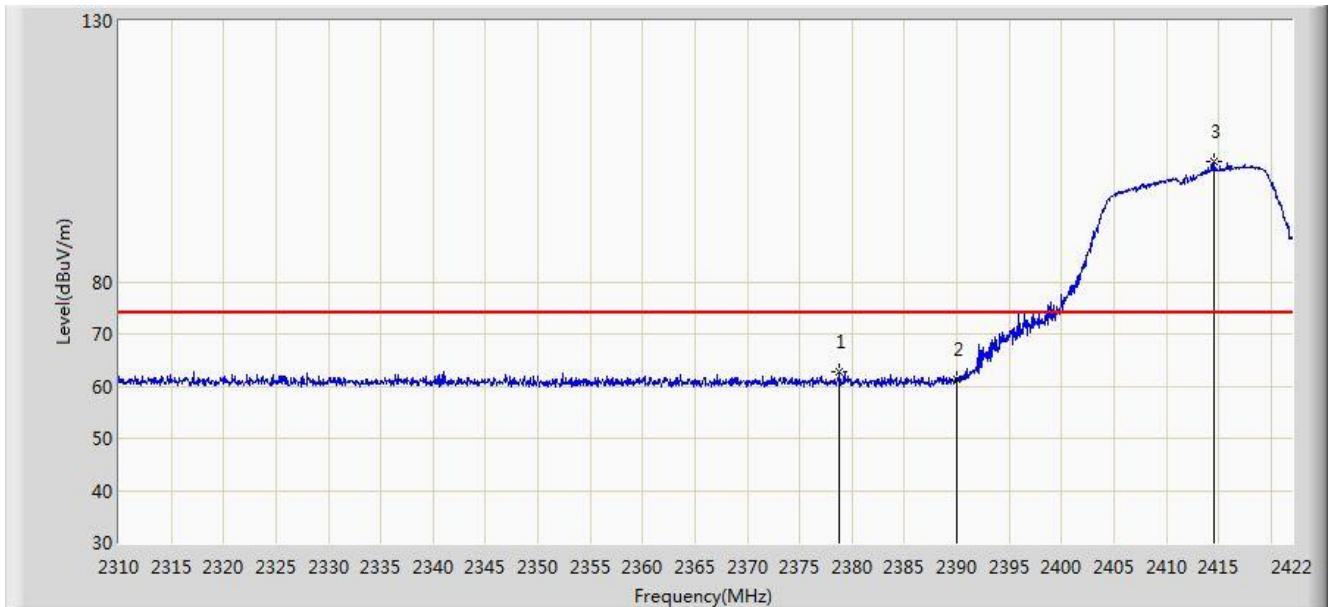


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2459.440	109.458	76.946	N/A	N/A	32.511	AV
2			2483.500	51.581	19.000	-2.419	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

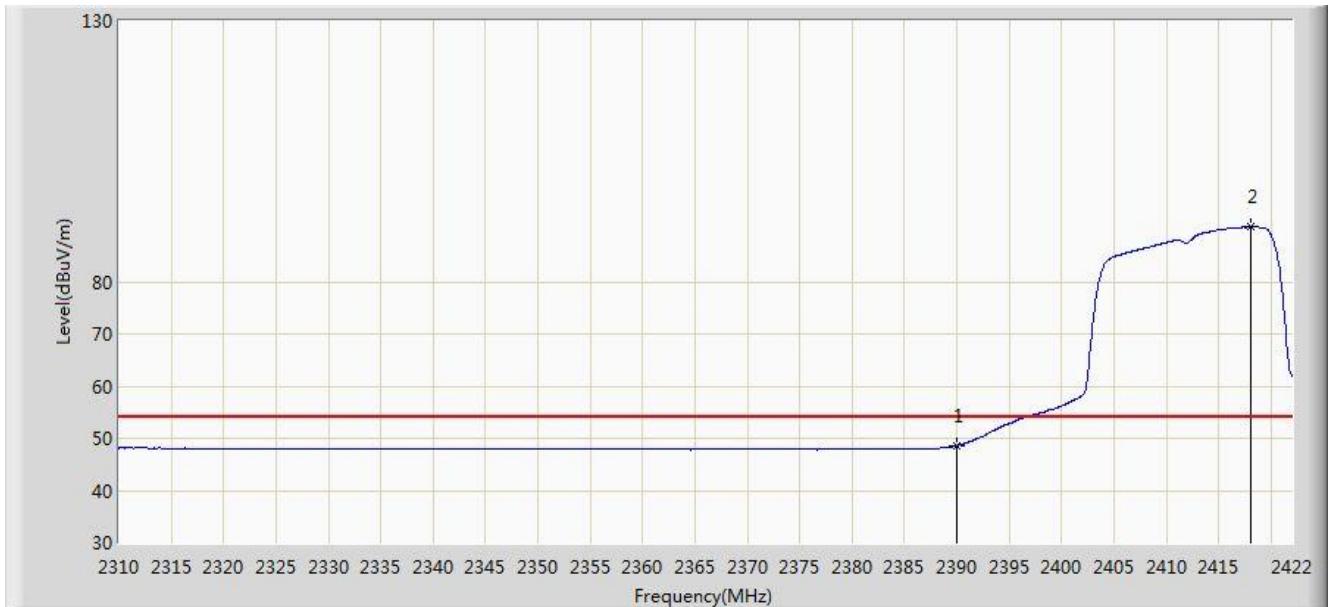


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2378.824	62.758	30.188	-11.242	74.000	32.569	PK
2			2390.000	61.373	28.819	-12.627	74.000	32.554	PK
3			2414.608	102.903	70.381	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

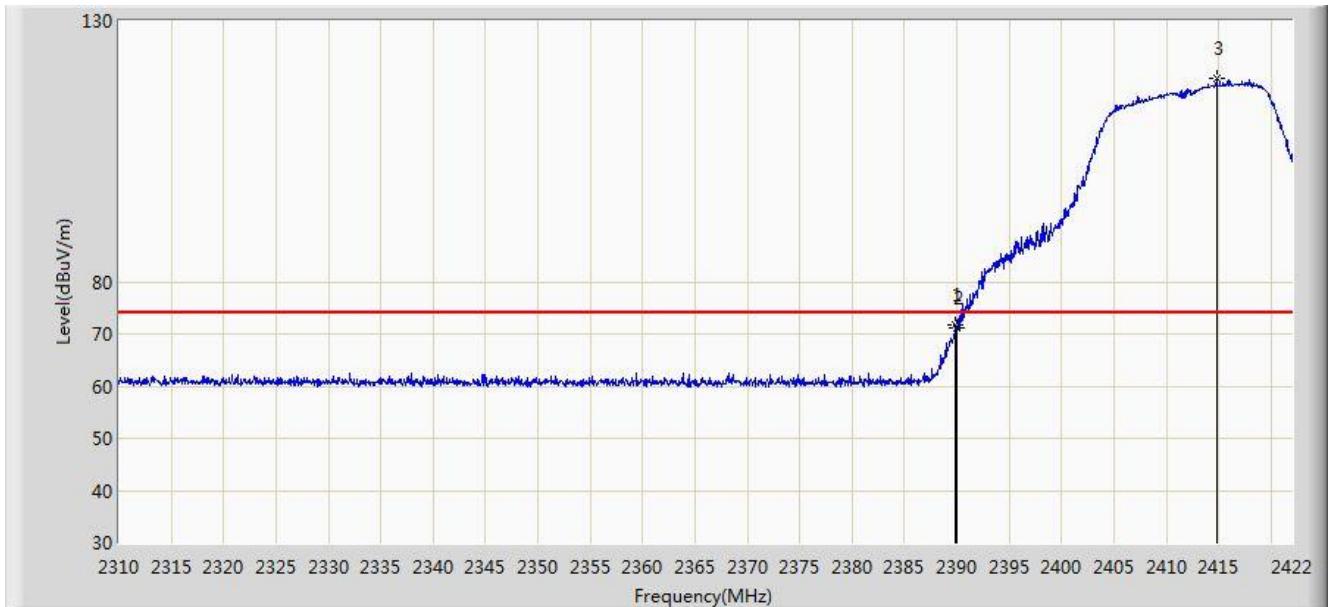


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.571	16.017	-5.429	54.000	32.554	AV
2			2418.136	90.494	57.976	N/A	N/A	32.518	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

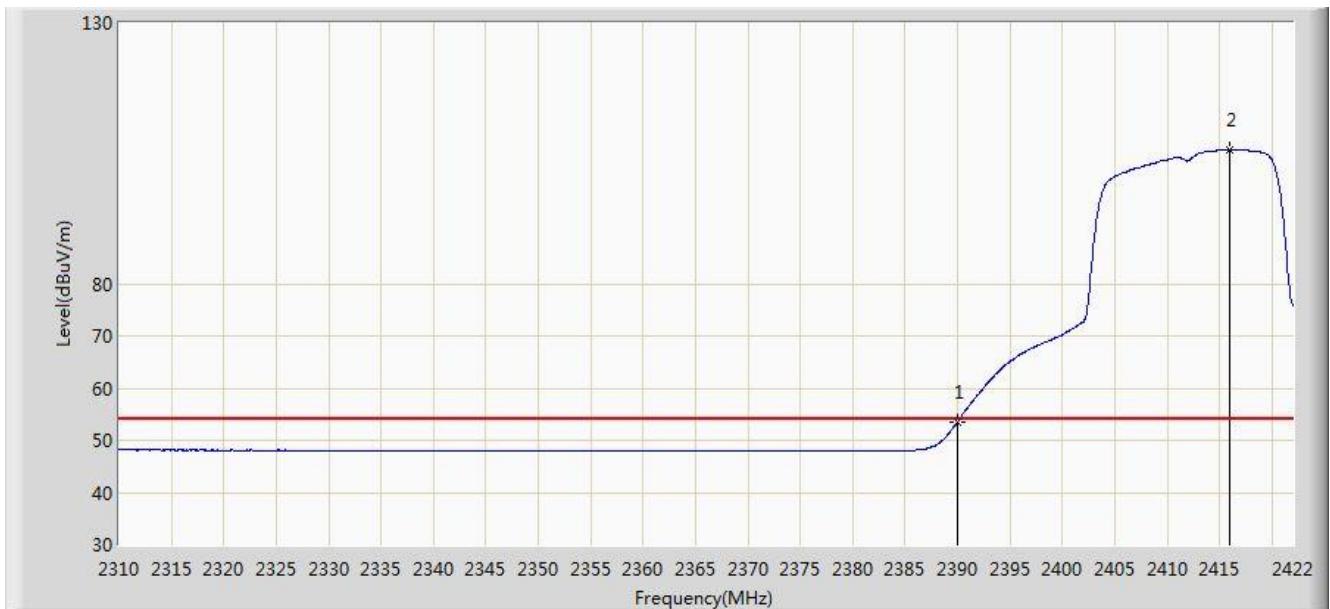


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.856	71.653	39.098	-2.347	74.000	32.555	PK
2			2390.000	71.177	38.623	-2.823	74.000	32.554	PK
3			2414.776	118.899	86.377	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

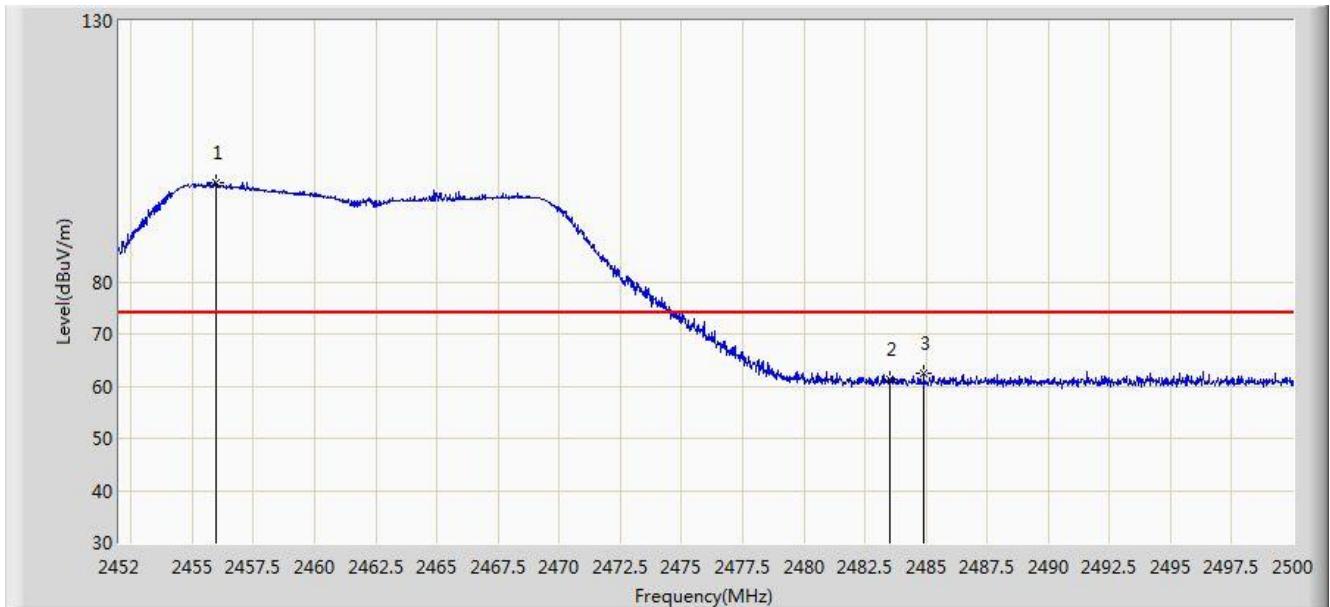


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.501	20.947	-0.499	54.000	32.554	AV
2			2415.952	105.704	73.183	N/A	N/A	32.521	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

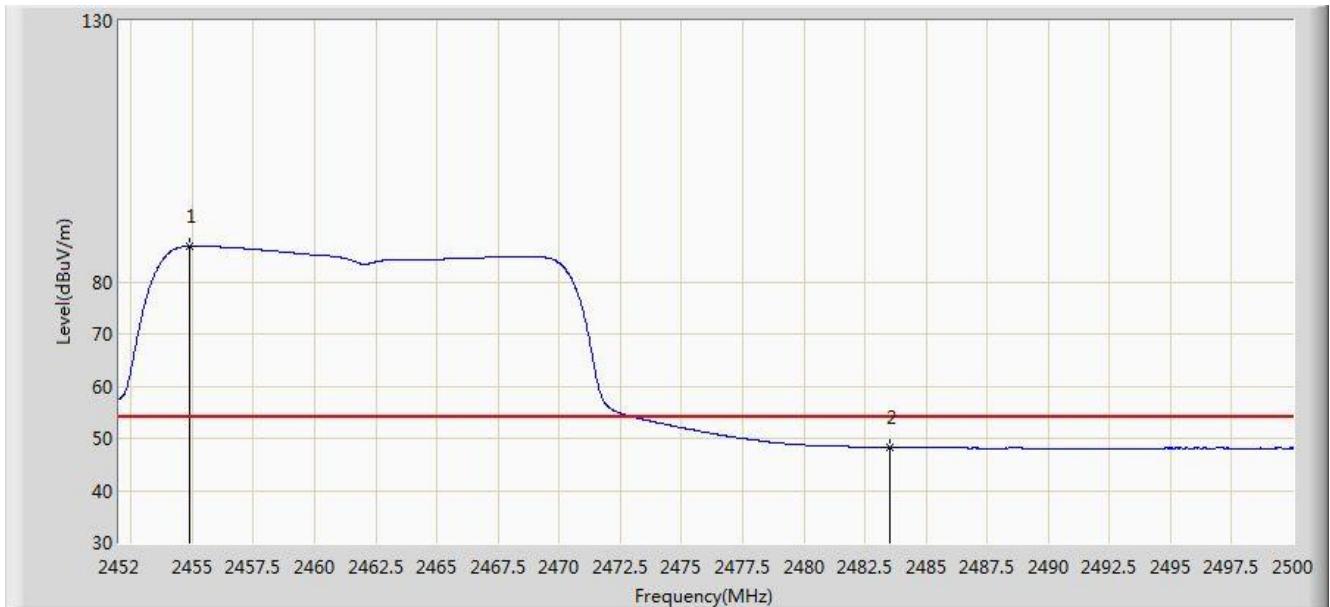


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2455.984	98.875	66.369	N/A	N/A	32.505	PK
2			2483.500	61.239	28.658	-12.761	74.000	32.580	PK
3			2484.904	62.553	29.968	-11.447	74.000	32.585	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

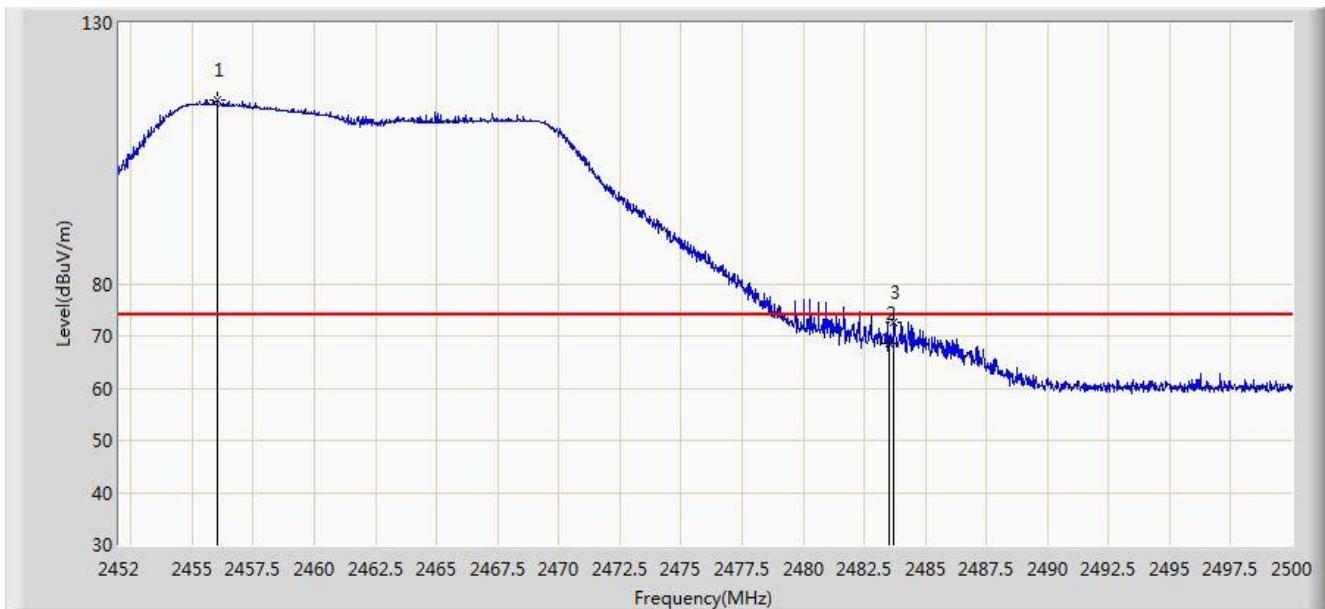


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2454.880	86.819	54.315	N/A	N/A	32.504	AV
2			2483.500	48.281	15.700	-5.719	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

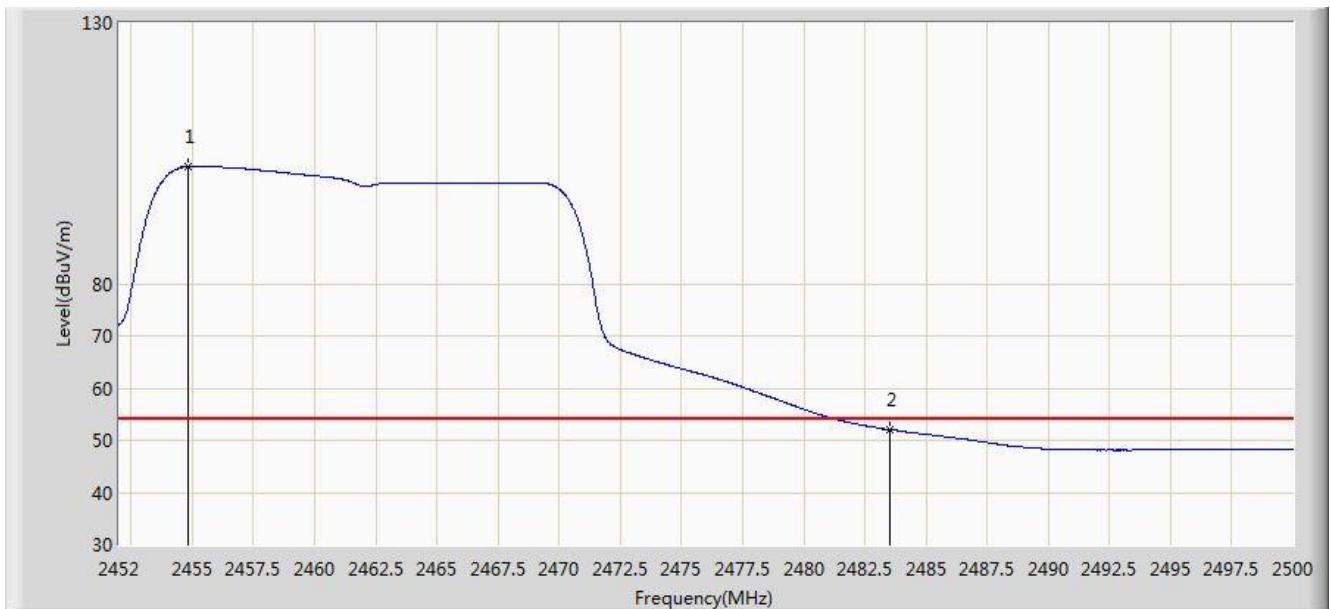


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2456.032	115.091	82.585	N/A	N/A	32.505	PK
2			2483.500	68.518	35.937	-5.482	74.000	32.580	PK
3			2483.704	72.611	40.030	-1.389	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

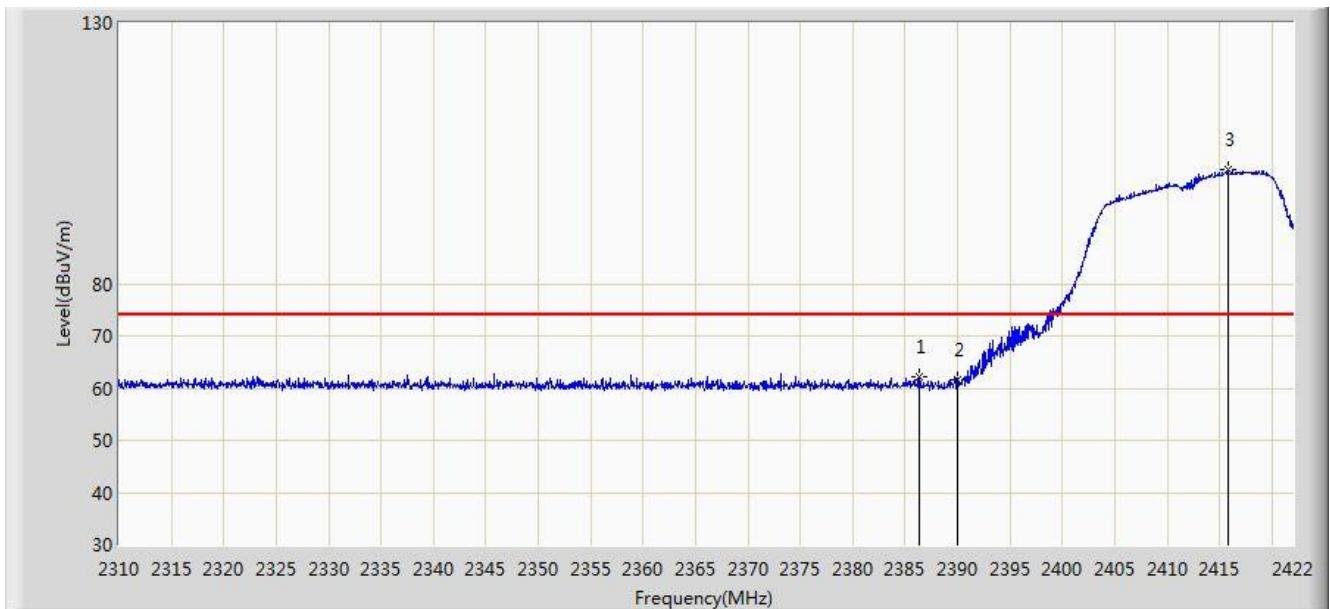


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2454.808	102.415	69.911	N/A	N/A	32.504	AV
2			2483.500	52.050	19.469	-1.950	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

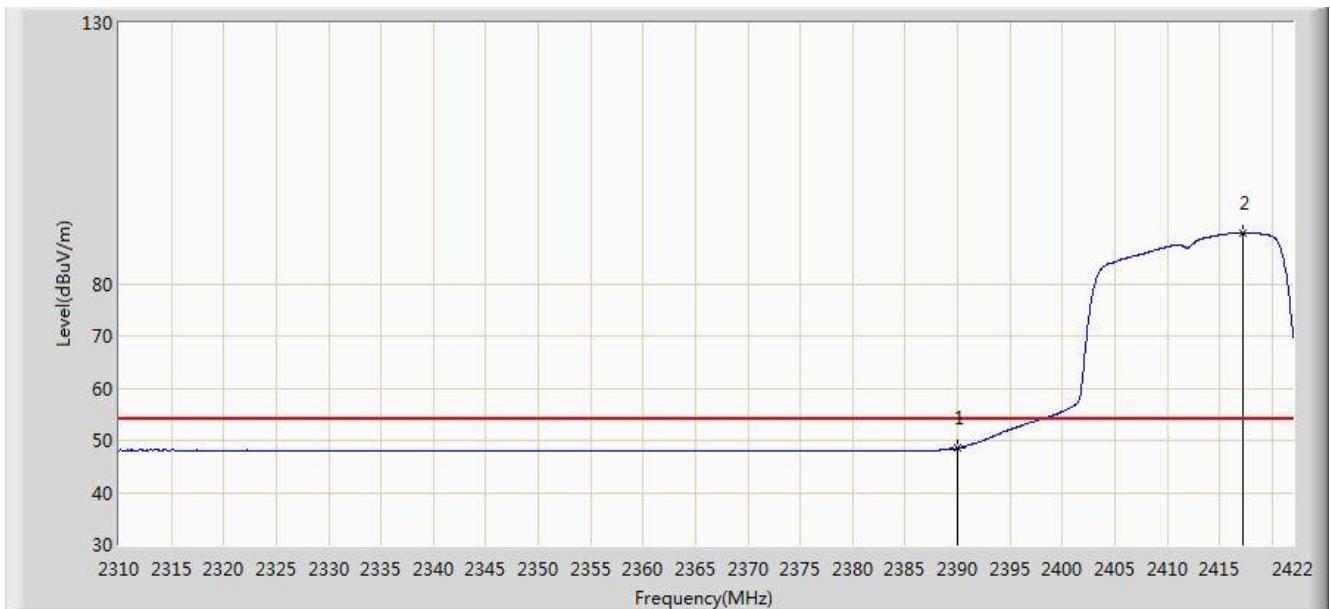


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2386.328	62.086	29.527	-11.914	74.000	32.560	PK
2			2390.000	61.696	29.142	-12.304	74.000	32.554	PK
3			2415.784	101.787	69.266	N/A	N/A	32.521	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

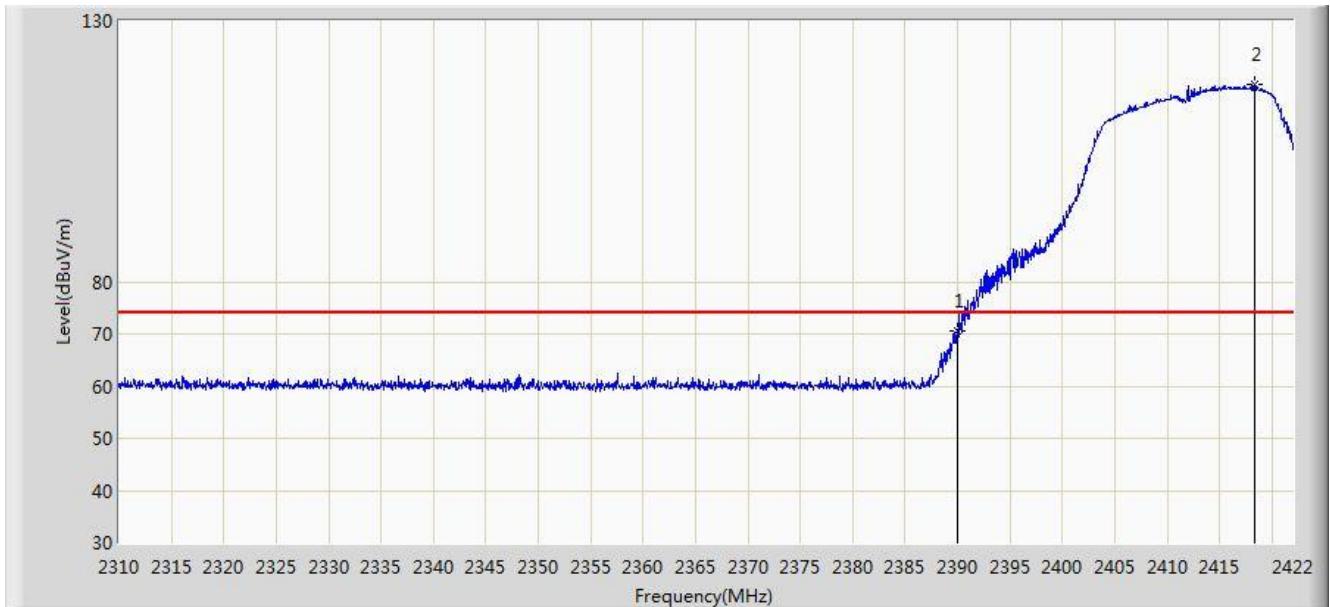


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.429	15.875	-5.571	54.000	32.554	AV
2			2417.240	89.697	57.178	N/A	N/A	32.519	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

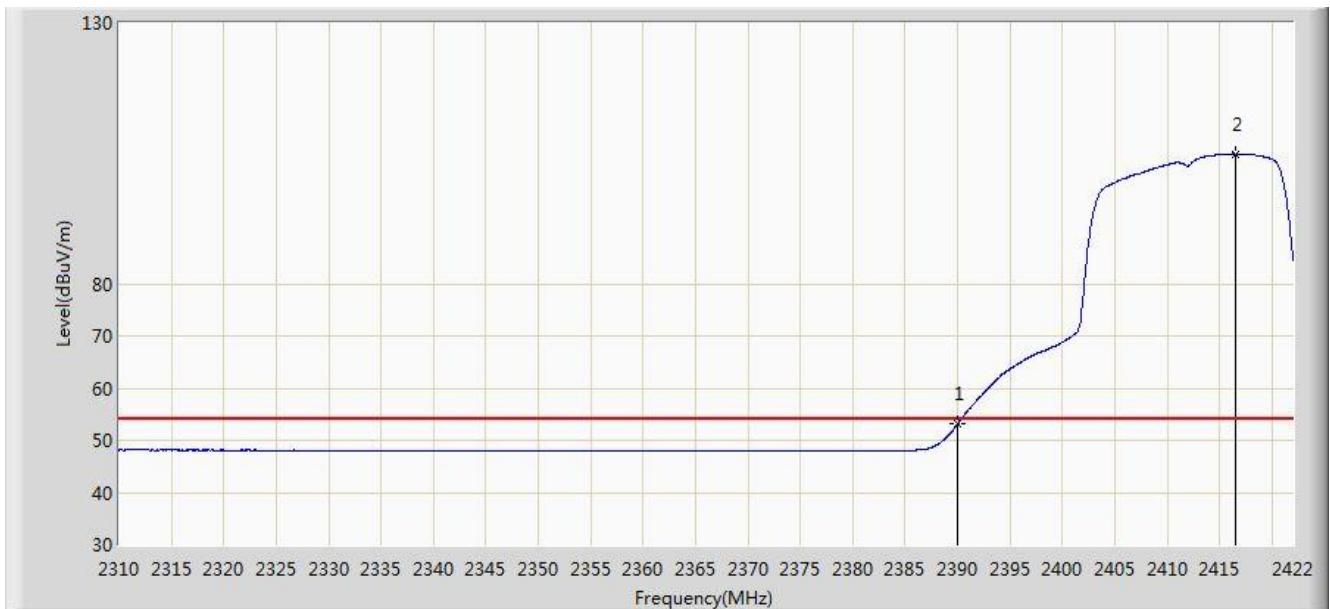


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	70.463	37.909	-3.537	74.000	32.554	PK
2			2418.304	117.819	85.301	N/A	N/A	32.518	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

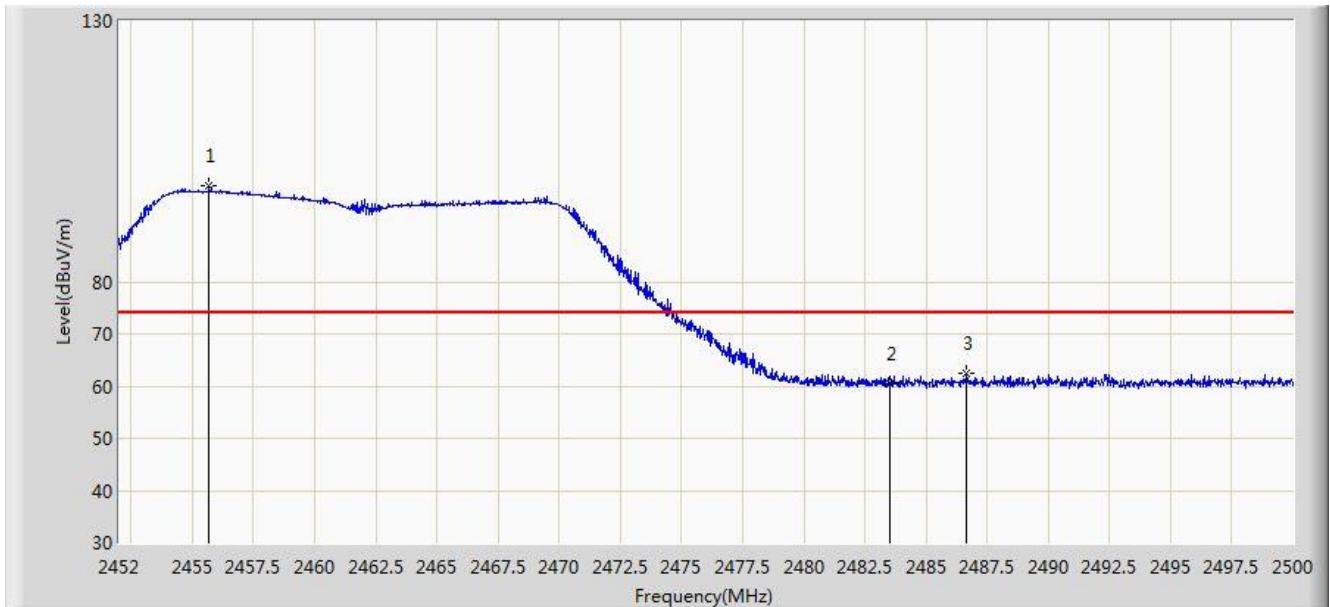


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	53.119	20.565	-0.881	54.000	32.554	AV
2			2416.568	104.923	72.403	N/A	N/A	32.521	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

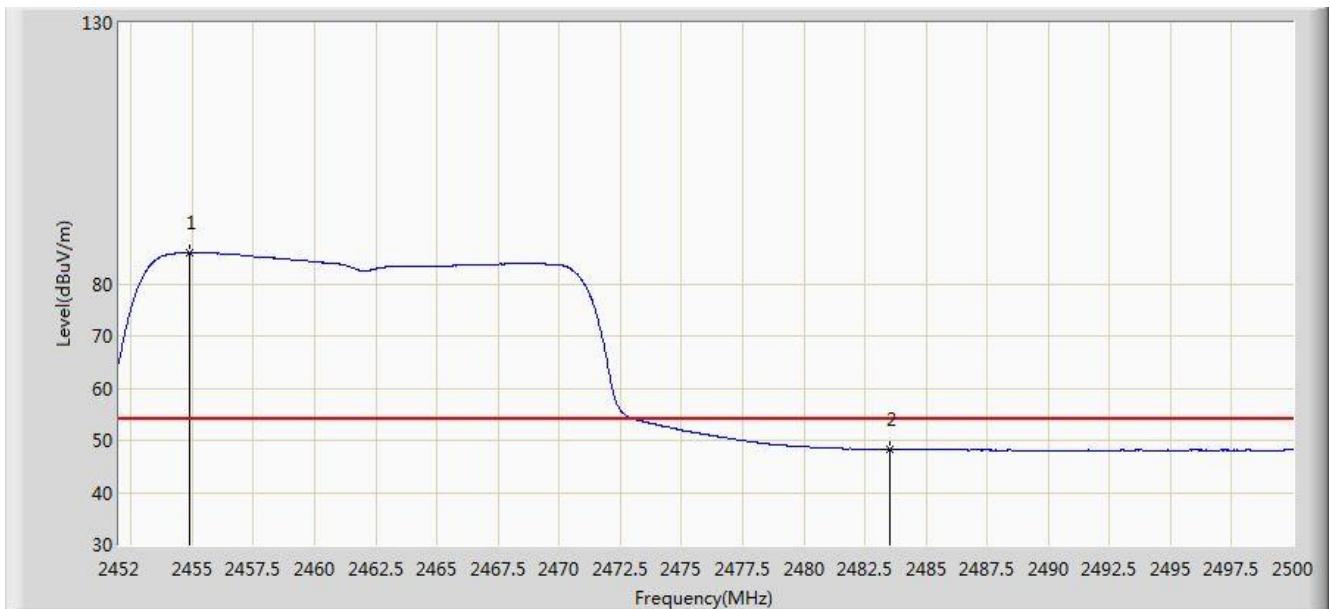


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2455.696	98.398	65.893	N/A	N/A	32.505	PK
2			2483.500	60.491	27.910	-13.509	74.000	32.580	PK
3			2486.656	62.462	29.872	-11.538	74.000	32.590	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

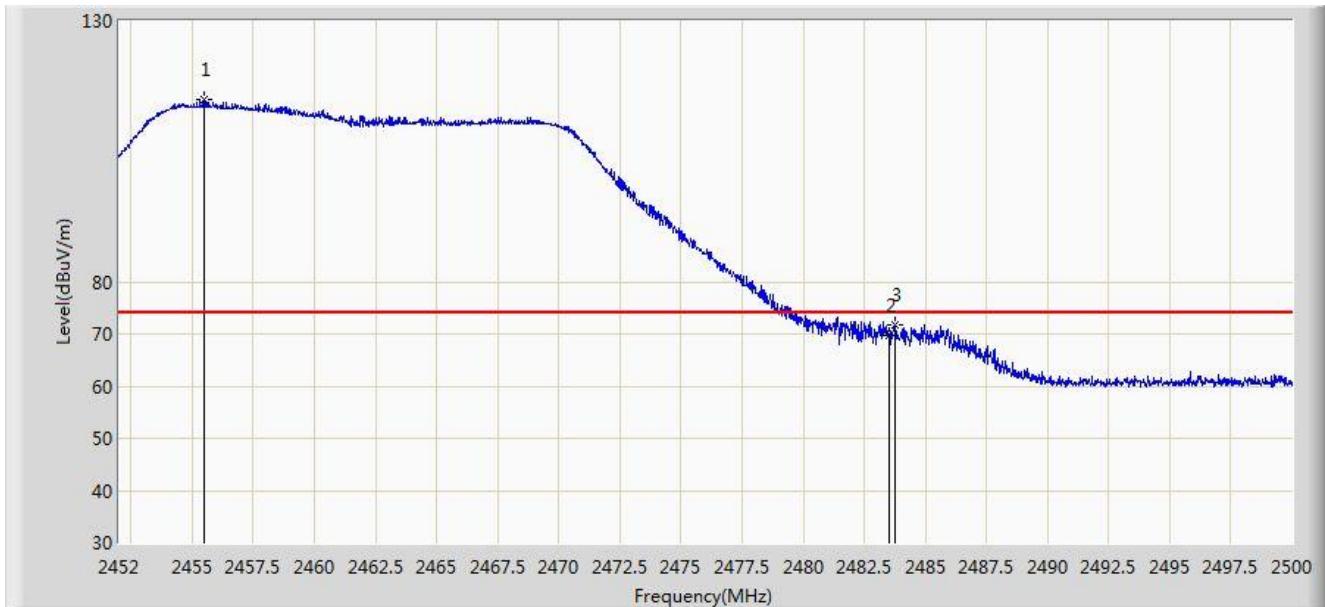


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2454.880	85.928	53.424	N/A	N/A	32.504	AV
2			2483.500	48.261	15.680	-5.739	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

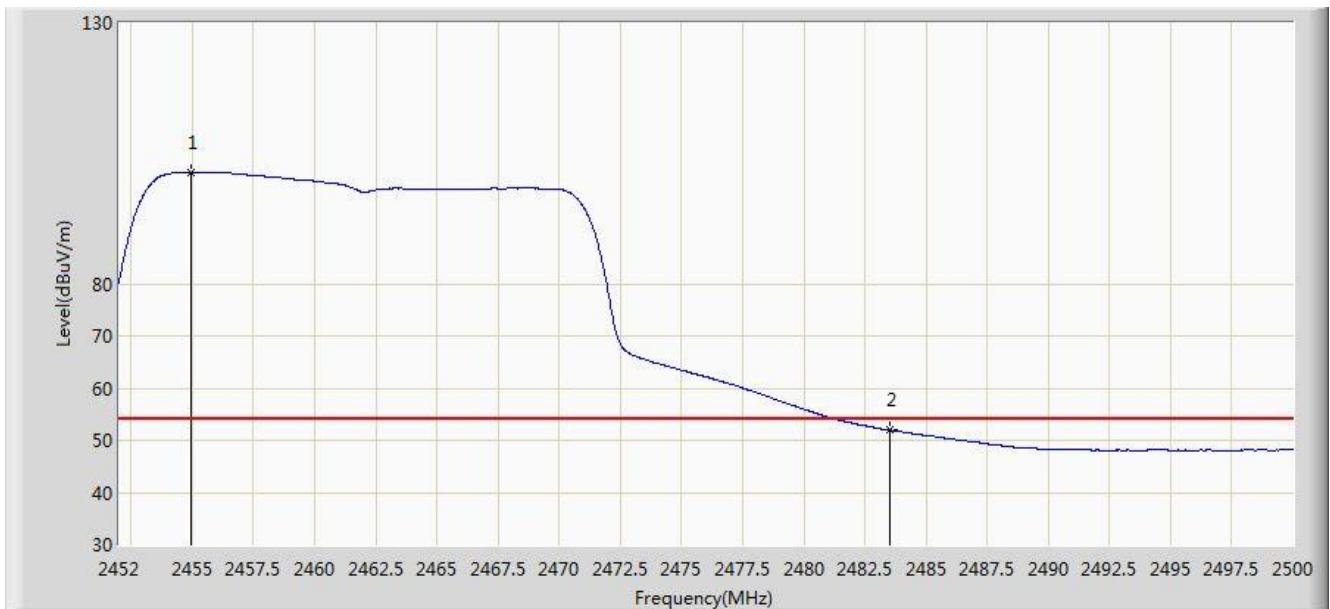


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2455.480	114.922	82.417	N/A	N/A	32.505	PK
2			2483.500	69.712	37.131	-4.288	74.000	32.580	PK
3			2483.752	71.819	39.238	-2.181	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

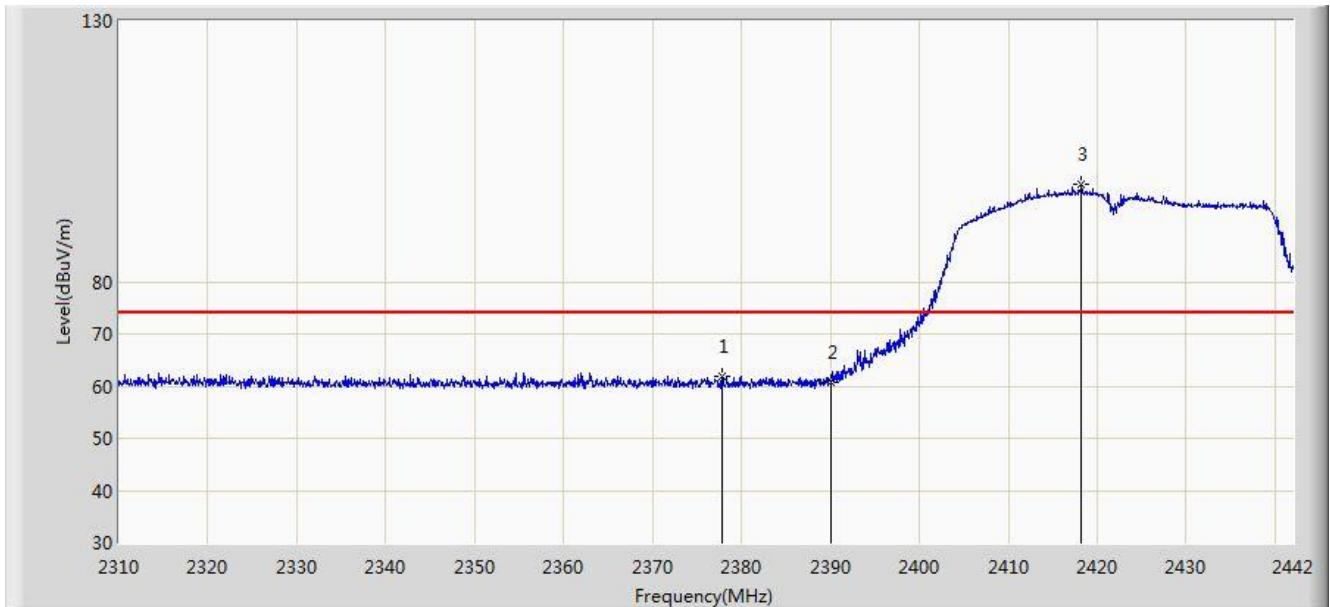


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2454.952	101.399	68.895	N/A	N/A	32.504	AV
2			2483.500	51.931	19.350	-2.069	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

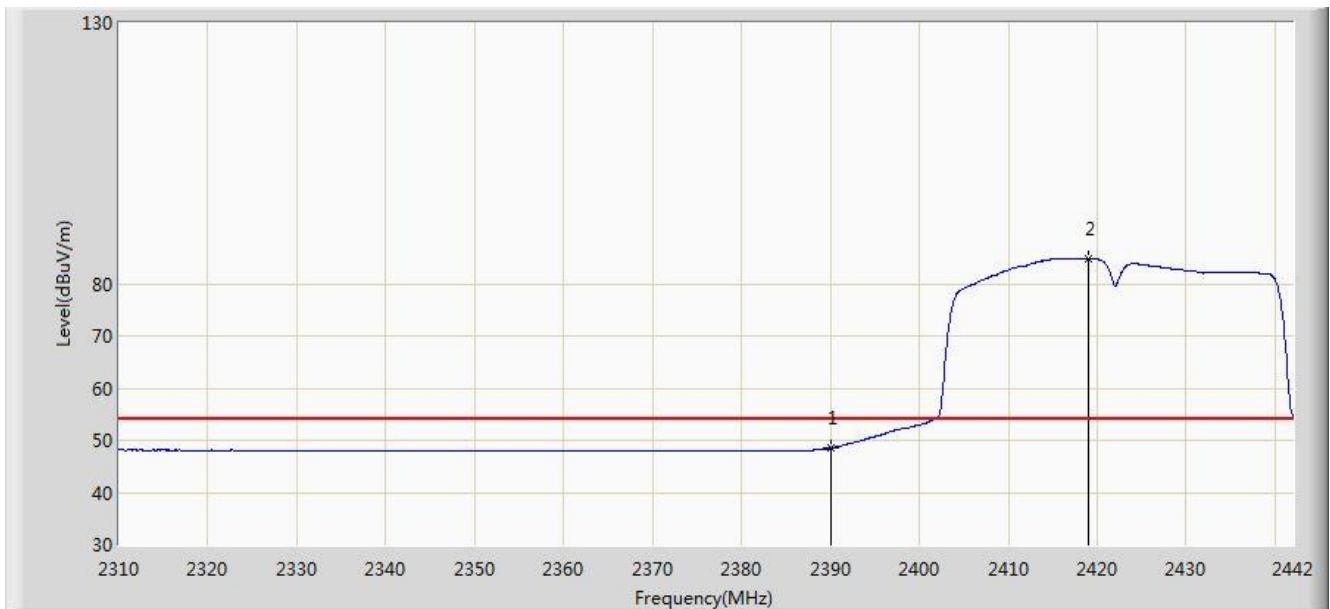


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2377.848	61.998	29.427	-12.002	74.000	32.571	PK
2			2390.000	60.649	28.095	-13.351	74.000	32.554	PK
3			2418.240	98.820	66.302	N/A	N/A	32.519	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

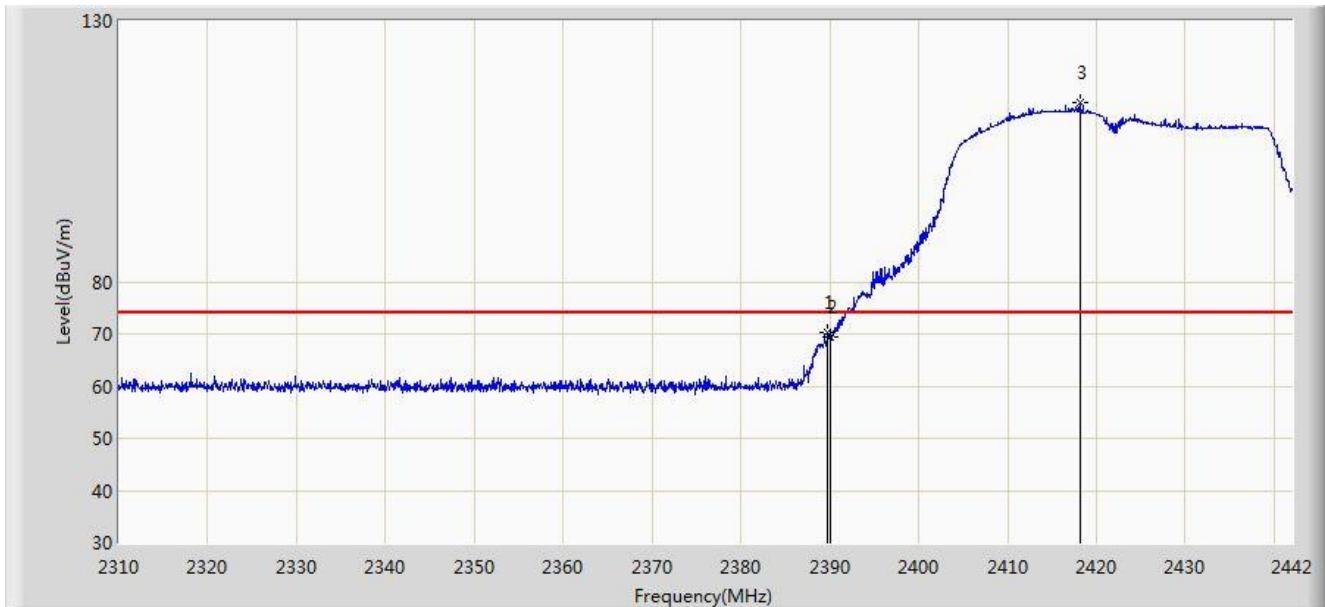


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.500	15.946	-5.500	54.000	32.554	AV
2			2418.966	84.894	52.377	N/A	N/A	32.518	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

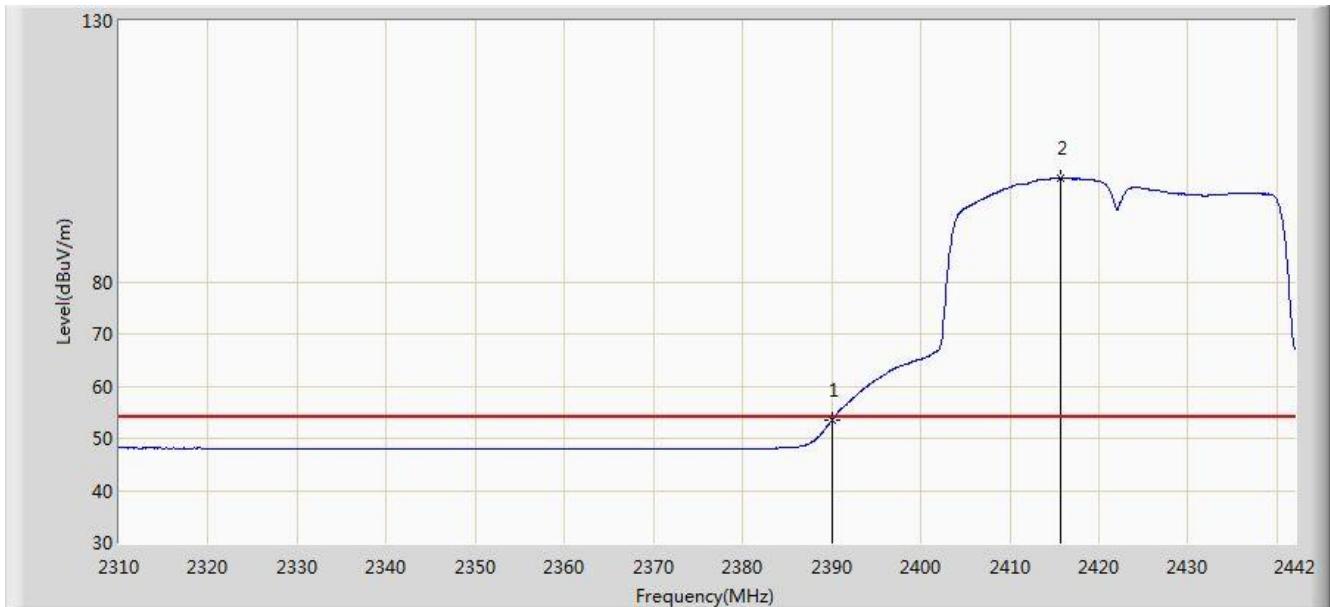


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.794	70.266	37.711	-3.734	74.000	32.555	PK
2			2390.000	69.444	36.890	-4.556	74.000	32.554	PK
3			2418.108	114.265	81.747	N/A	N/A	32.518	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

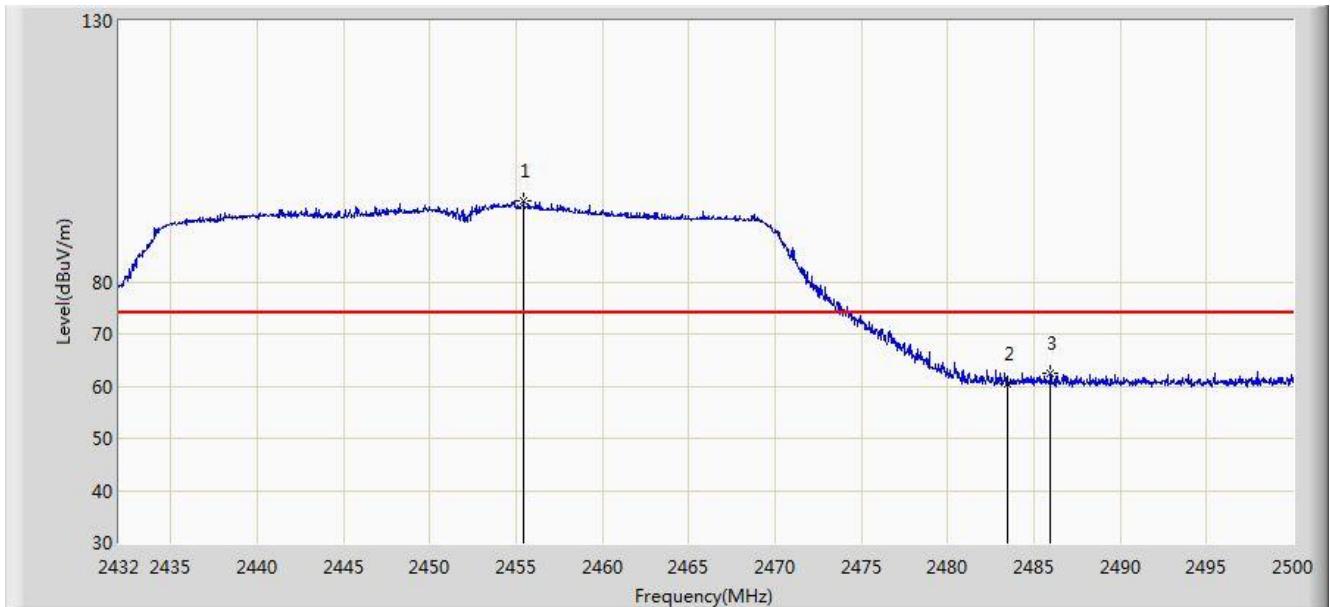


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	53.346	20.792	-0.654	54.000	32.554	AV
2			2415.666	99.816	67.295	N/A	N/A	32.521	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

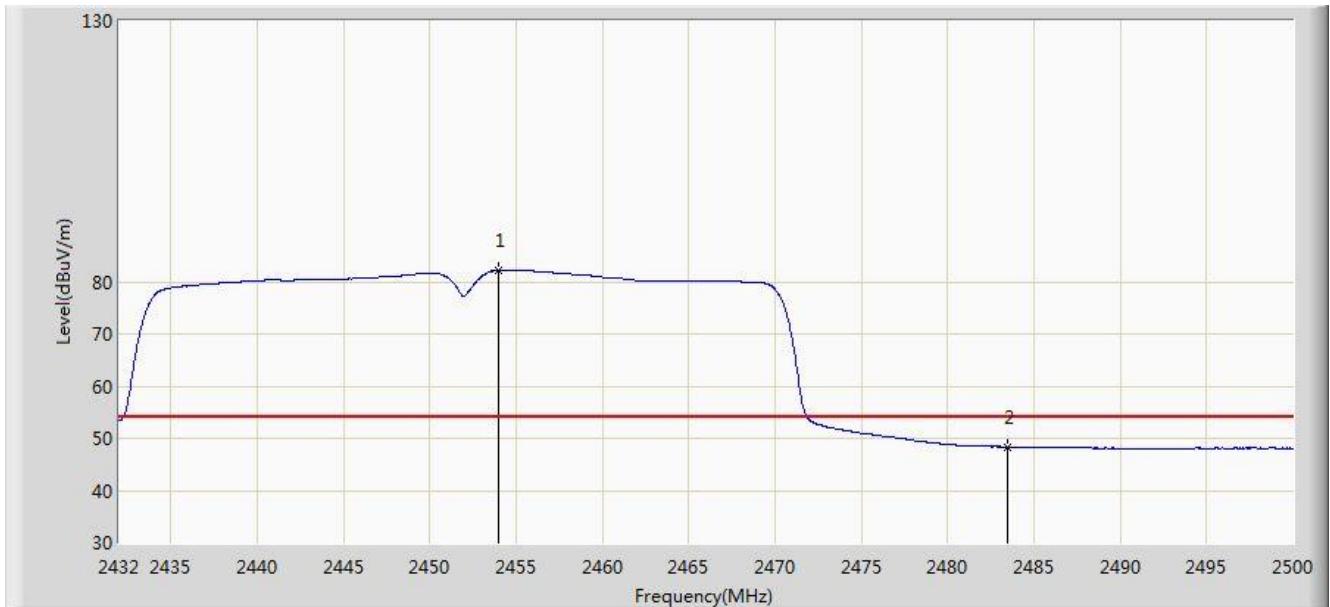


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2455.426	95.507	63.002	N/A	N/A	32.505	PK
2			2483.500	60.502	27.921	-13.498	74.000	32.580	PK
3			2485.958	62.499	29.911	-11.501	74.000	32.588	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

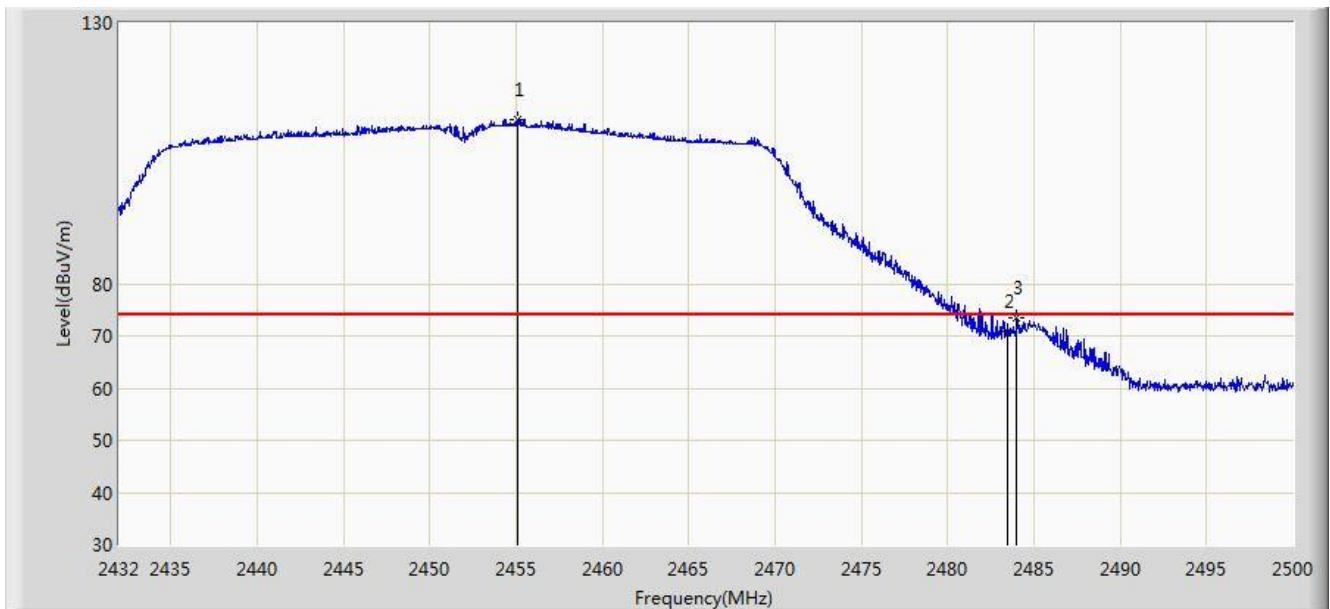


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2453.964	82.210	49.708	N/A	N/A	32.502	AV
2			2483.500	48.343	15.762	-5.657	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

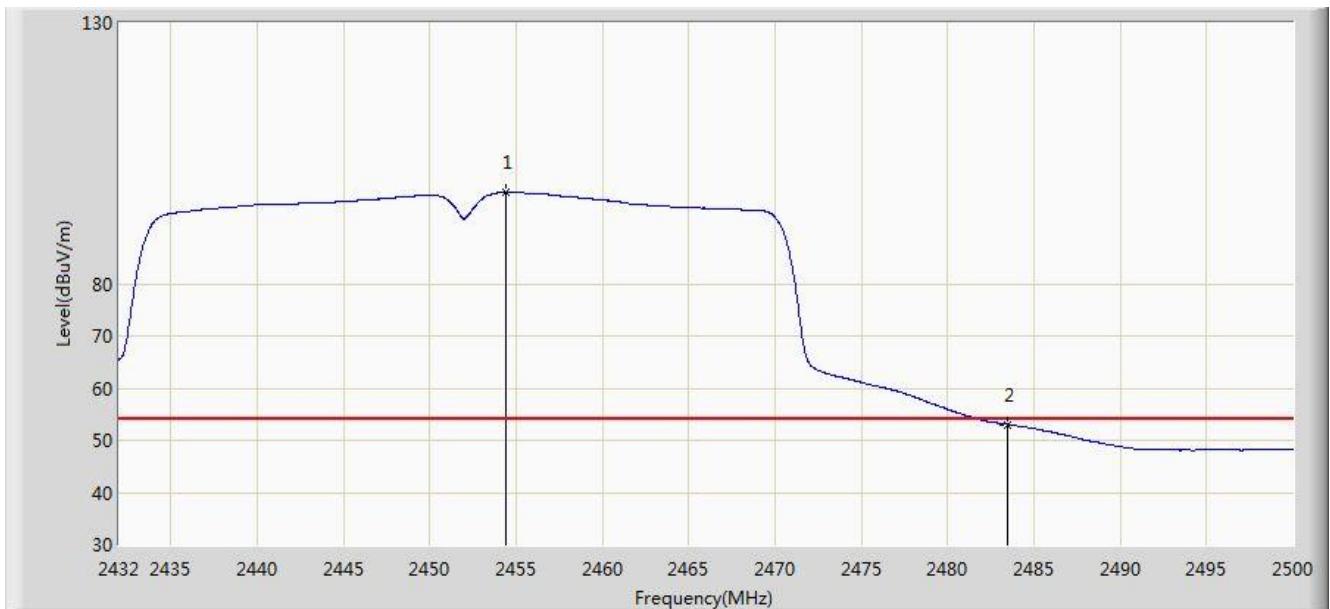


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2455.120	111.582	79.078	N/A	N/A	32.504	PK
2			2483.500	70.969	38.388	-3.031	74.000	32.580	PK
3			2483.986	73.355	40.773	-0.645	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

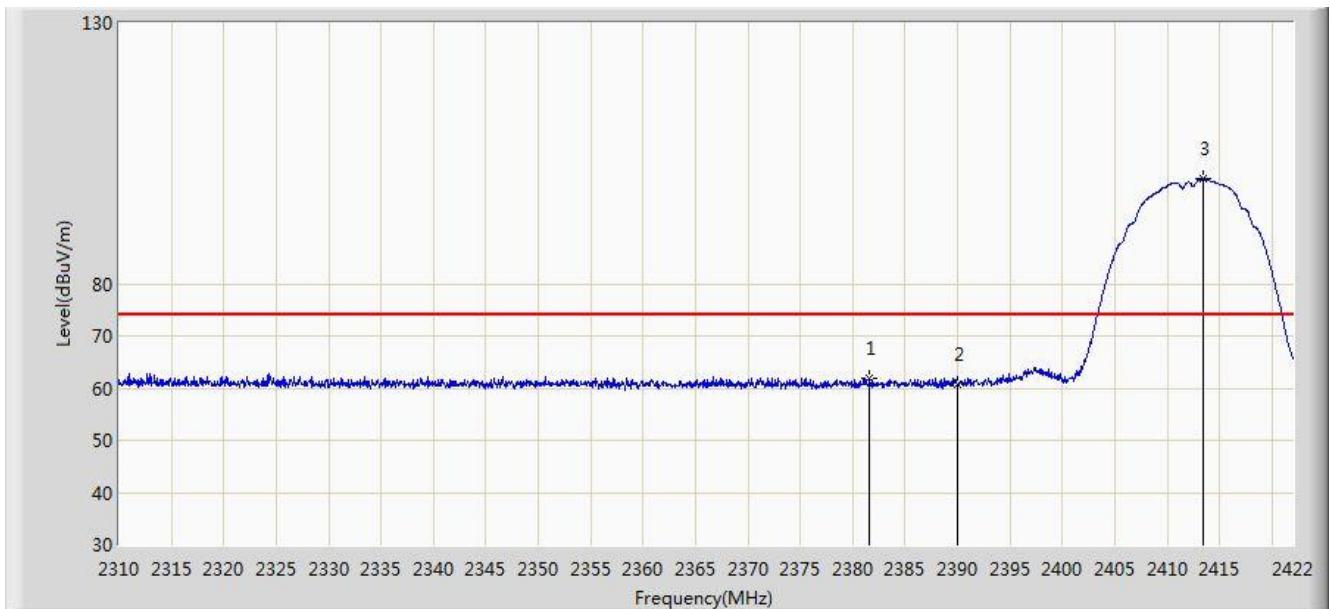


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2454.372	97.486	64.983	N/A	N/A	32.503	AV
2			2483.500	53.034	20.453	-0.966	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

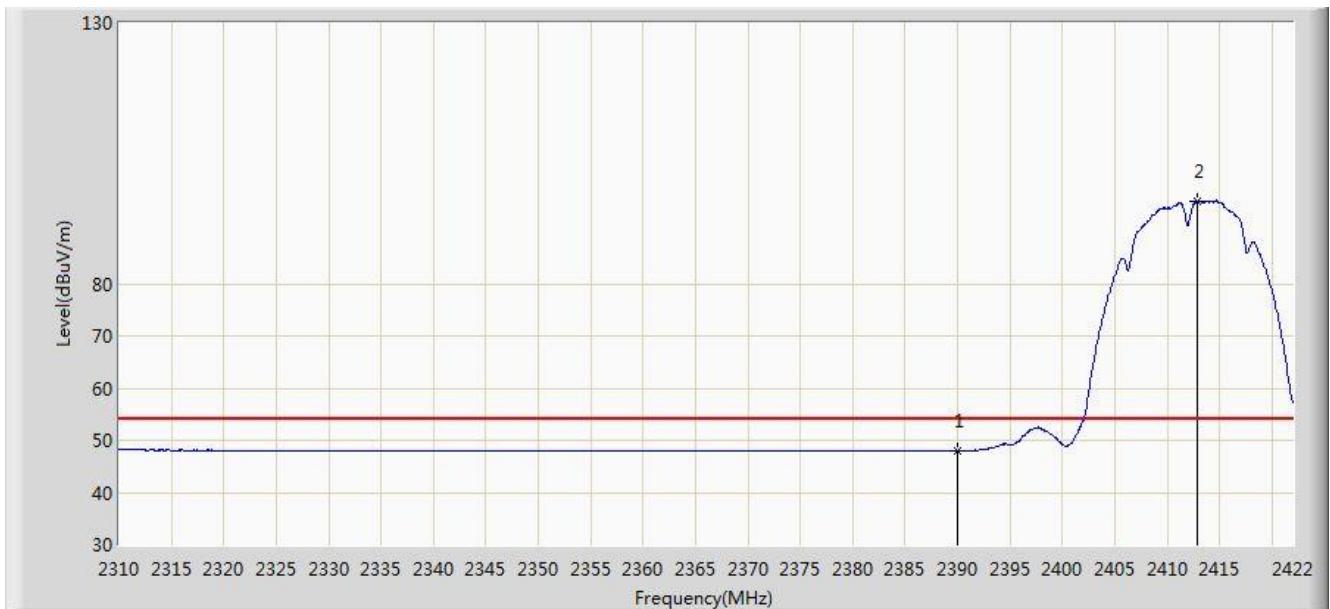


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2381.624	61.974	29.408	-12.026	74.000	32.566	PK
2			2390.000	60.666	28.112	-13.334	74.000	32.554	PK
3			2413.432	100.028	67.504	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

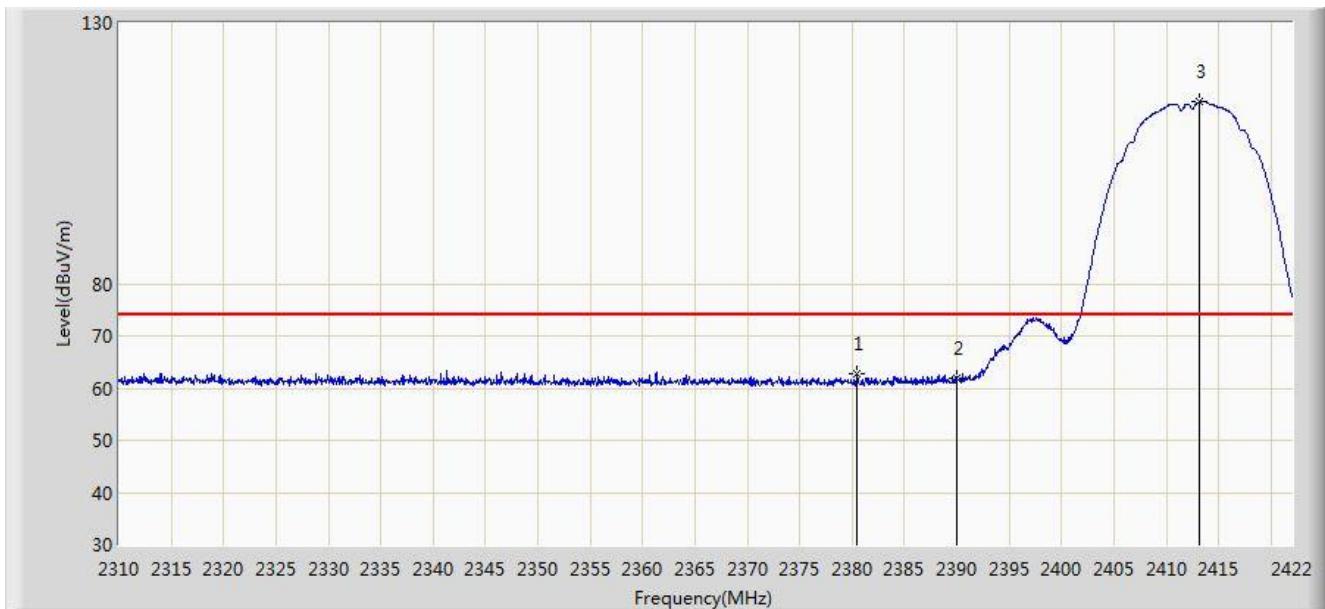


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.070	15.516	-5.930	54.000	32.554	AV
2			2412.928	95.846	63.322	N/A	N/A	32.524	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

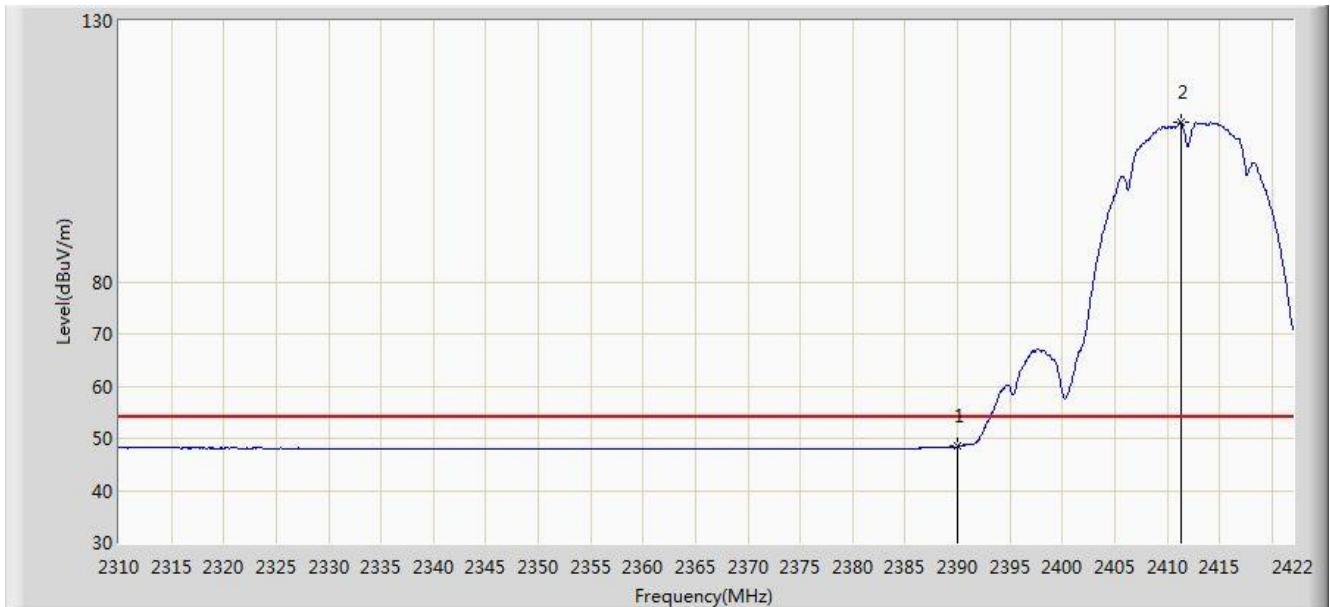


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2380.504	62.715	30.148	-11.285	74.000	32.567	PK
2			2390.000	61.866	29.312	-12.134	74.000	32.554	PK
3			2413.208	114.814	82.290	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 15:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

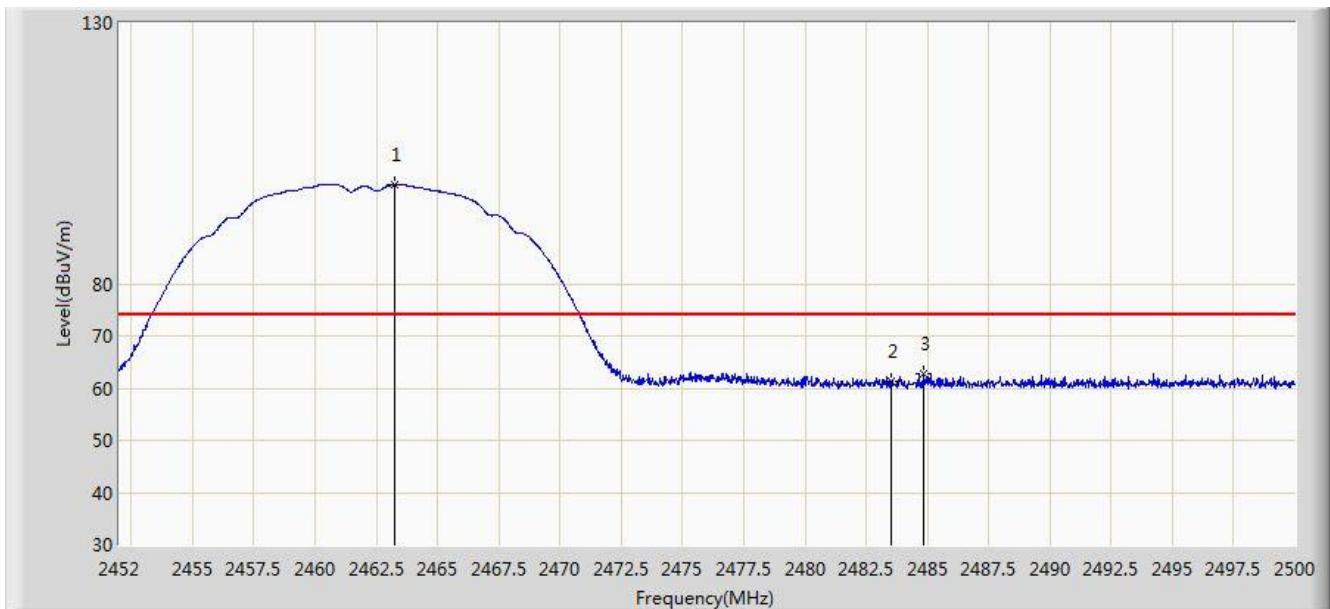


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.429	15.875	-5.571	54.000	32.554	AV
2			2411.304	110.513	77.987	N/A	N/A	32.526	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

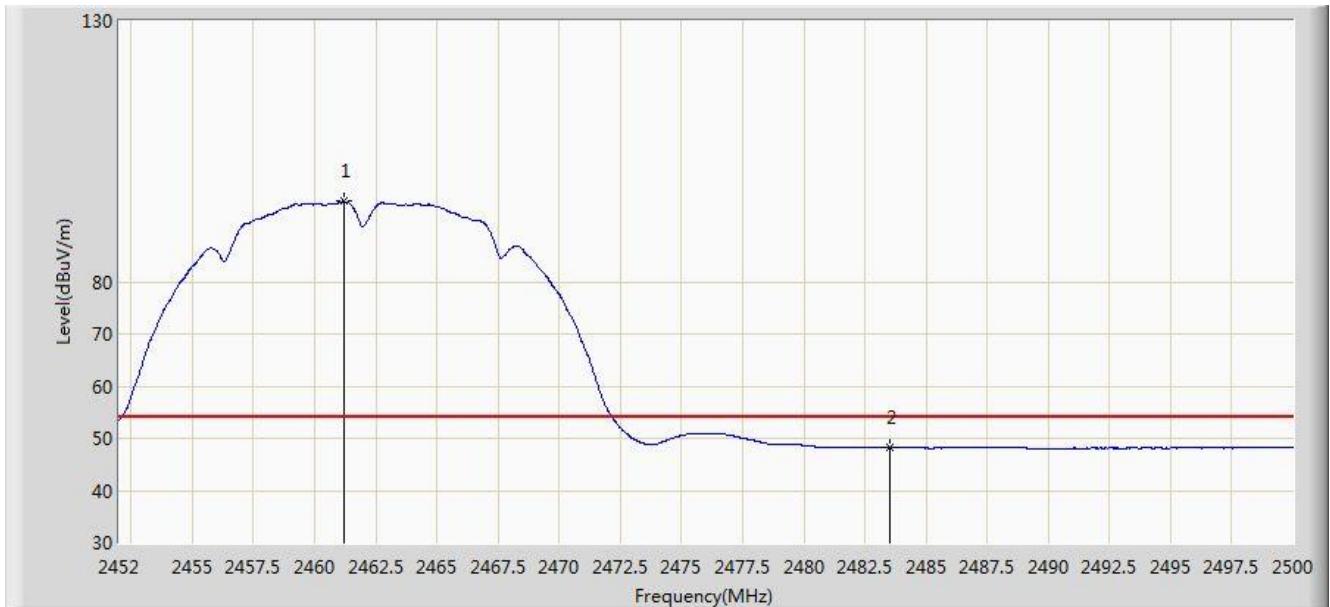


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2463.256	98.933	66.413	N/A	N/A	32.520	PK
2			2483.500	61.168	28.587	-12.832	74.000	32.580	PK
3			2484.856	62.812	30.227	-11.188	74.000	32.585	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

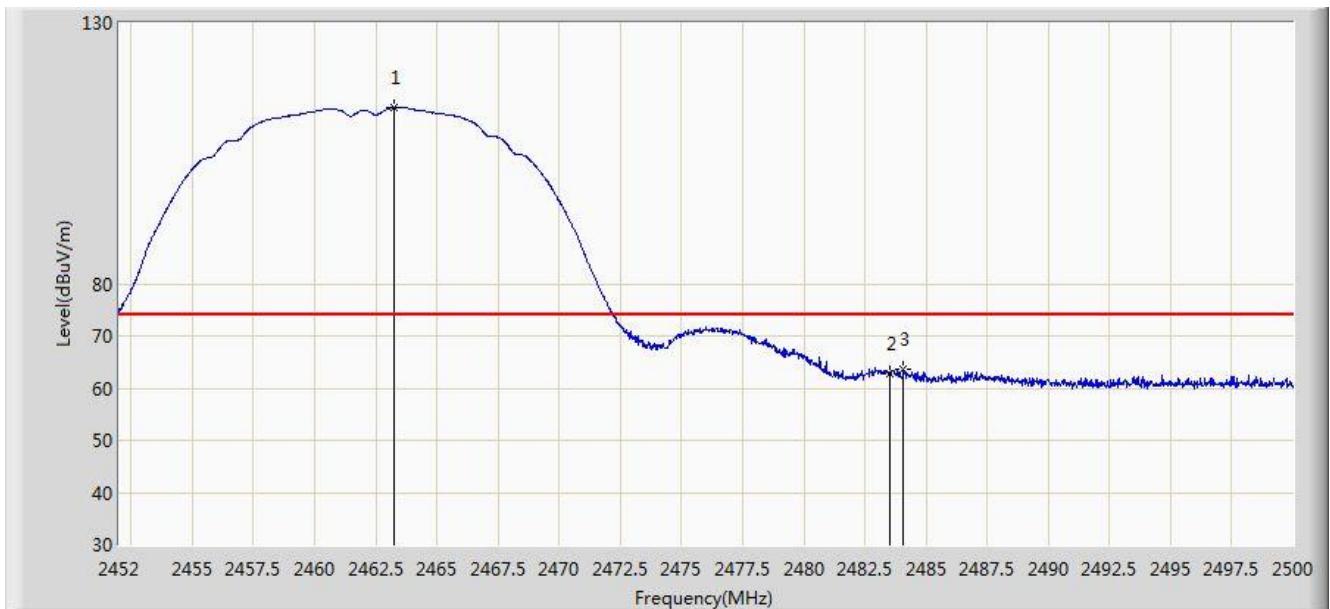


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2461.216	95.397	62.882	N/A	N/A	32.515	AV
2			2483.500	48.263	15.682	-5.737	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 15:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

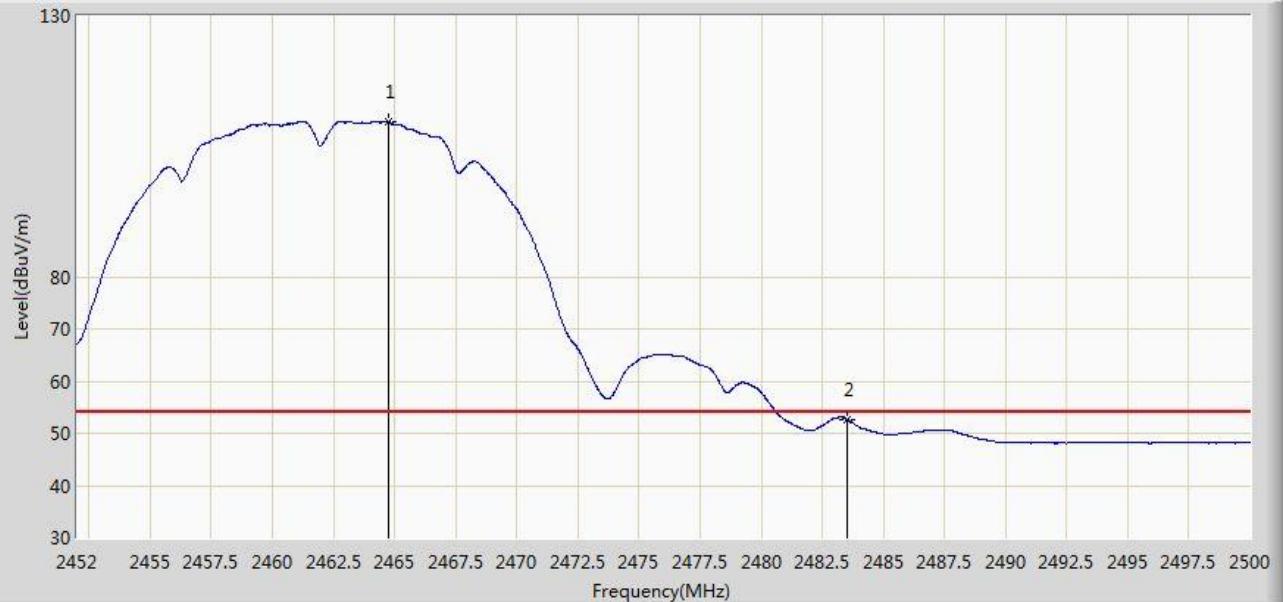


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2463.256	113.710	81.190	N/A	N/A	32.520	PK
2			2483.500	62.686	30.105	-11.314	74.000	32.580	PK
3			2484.064	63.742	31.160	-10.258	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

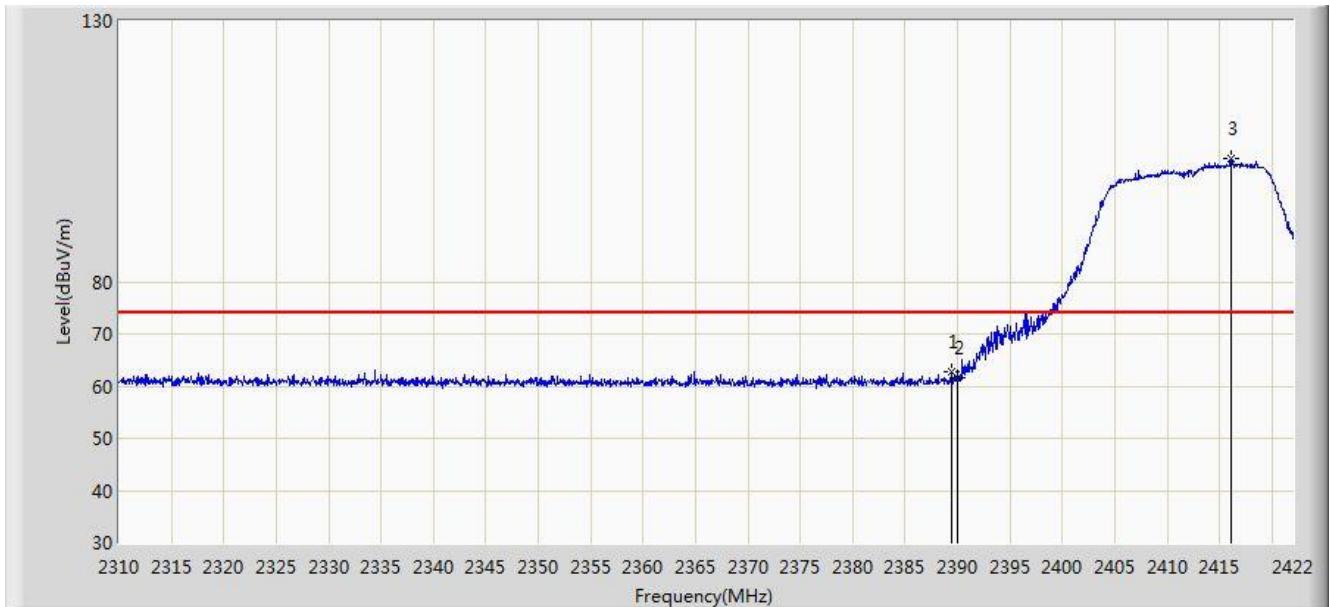


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2464.744	109.740	77.216	N/A	N/A	32.525	AV
2			2483.500	52.684	20.103	-1.316	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

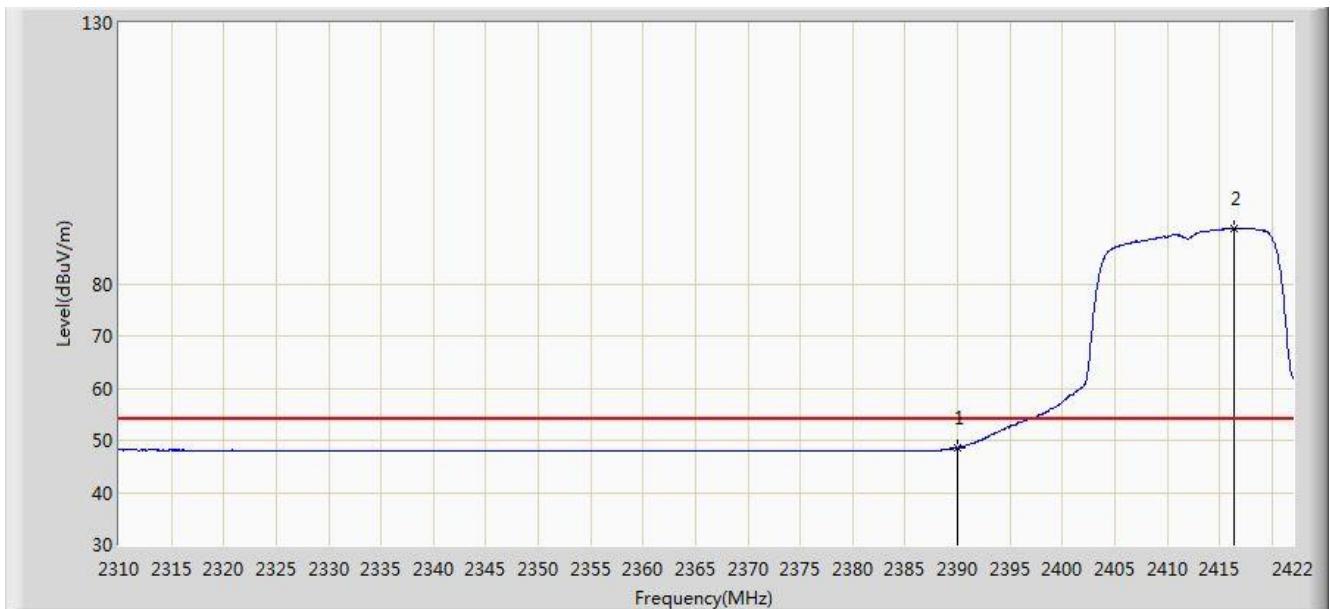


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.464	62.730	30.175	-11.270	74.000	32.555	PK
2			2390.000	61.737	29.183	-12.263	74.000	32.554	PK
3			2416.064	103.652	71.131	N/A	N/A	32.521	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

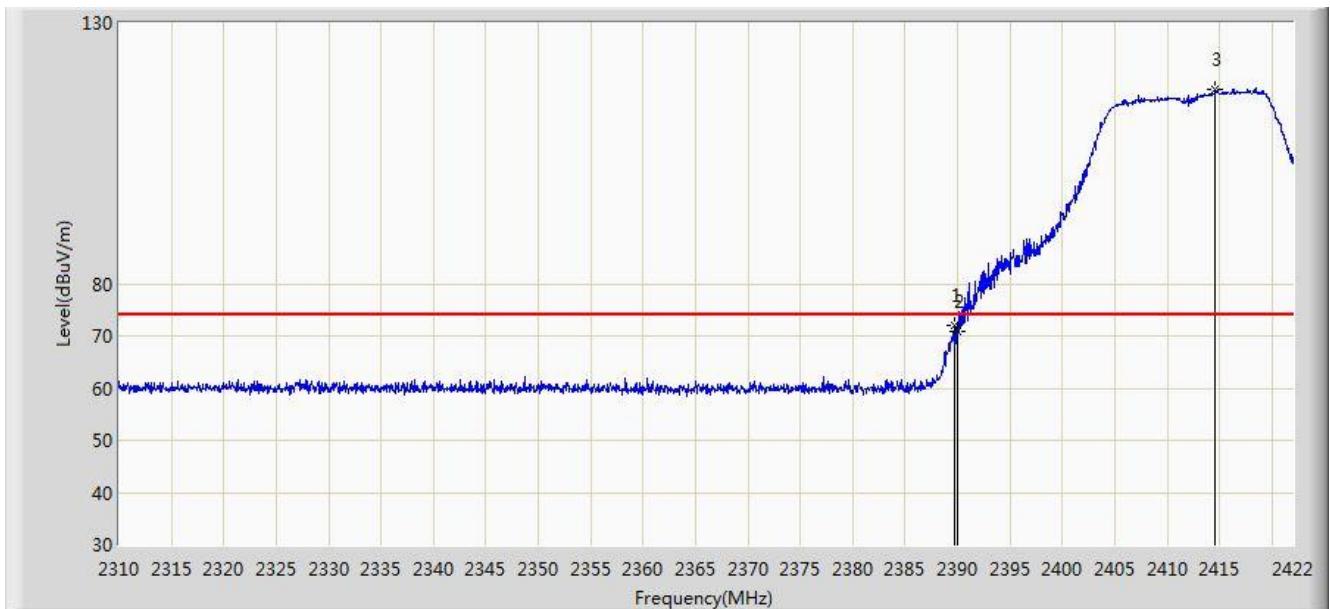


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.566	16.012	-5.434	54.000	32.554	AV
2			2416.344	90.646	58.126	N/A	N/A	32.520	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

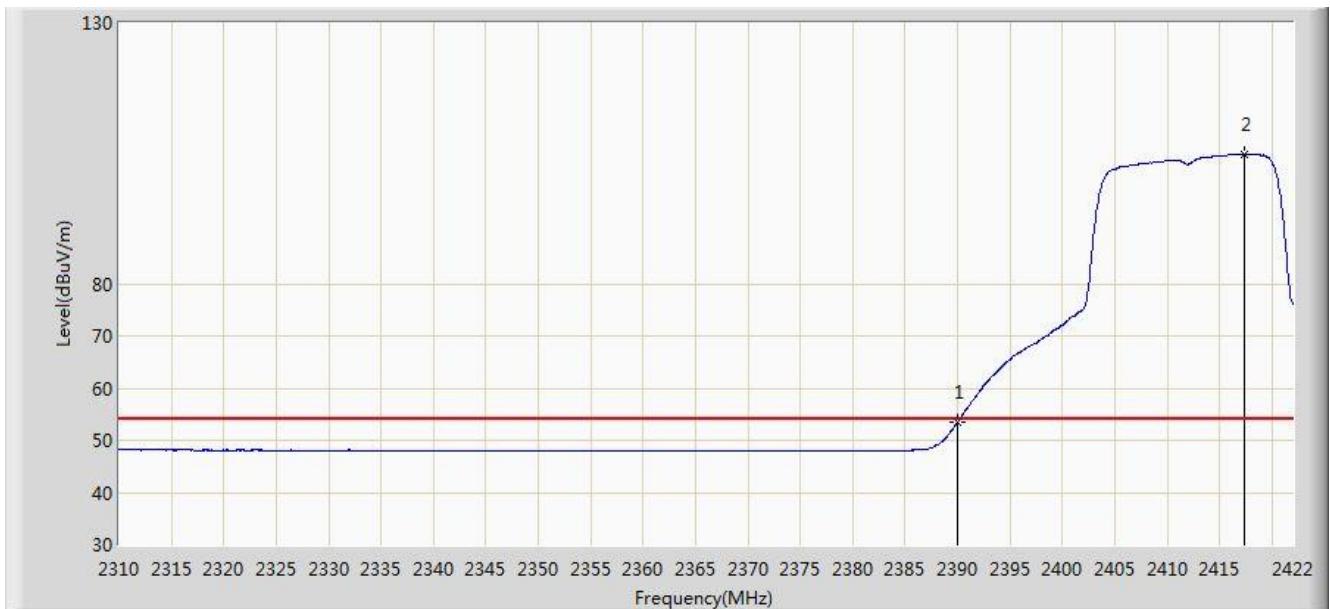


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.744	72.111	39.556	-1.889	74.000	32.555	PK
2			2390.000	70.882	38.328	-3.118	74.000	32.554	PK
3			2414.552	117.323	84.800	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

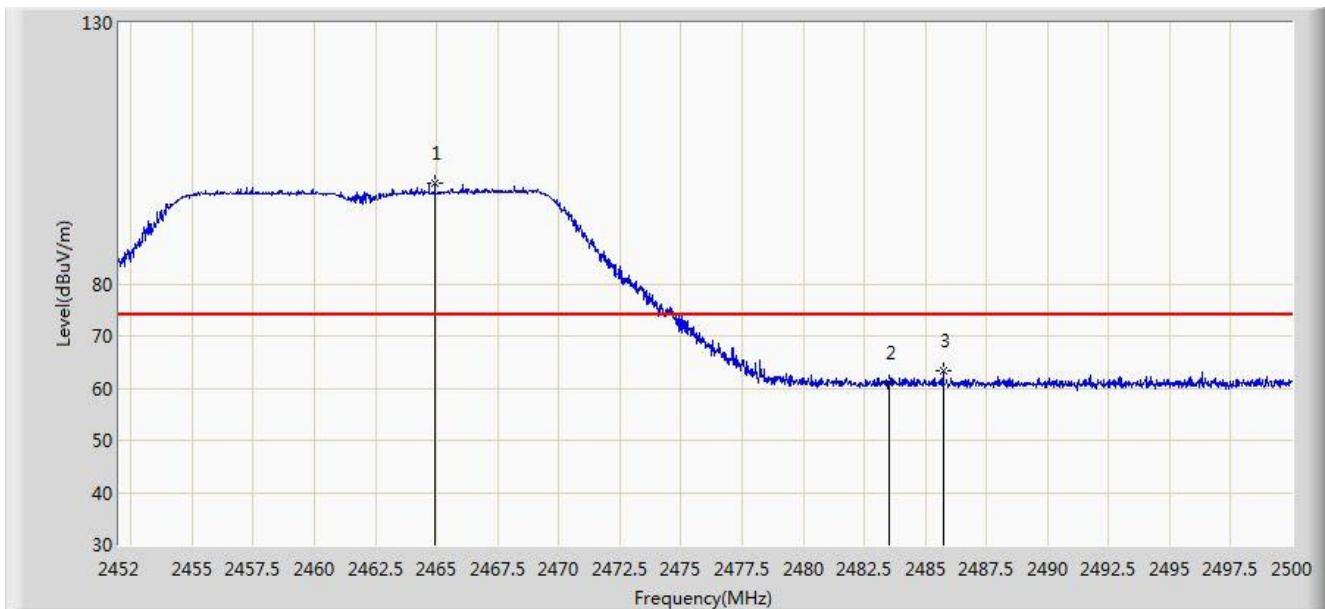


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.435	20.881	-0.565	54.000	32.554	AV
2			2417.408	104.818	72.299	N/A	N/A	32.520	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

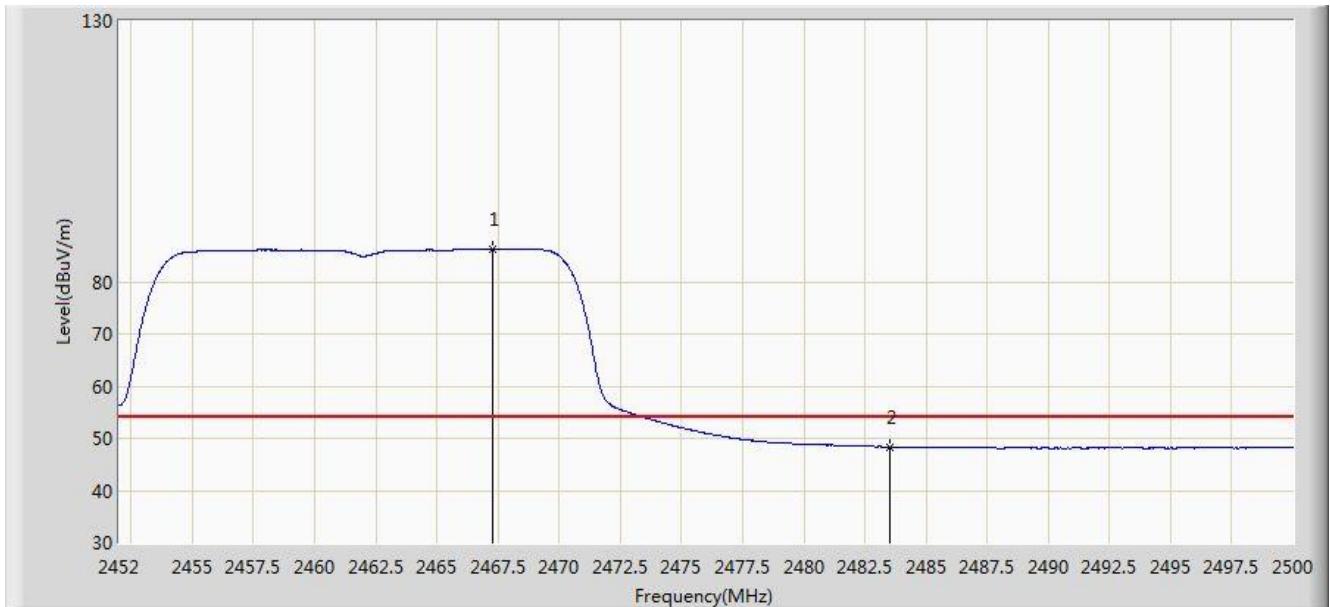


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2464.936	99.294	66.769	N/A	N/A	32.525	PK
2			2483.500	60.998	28.417	-13.002	74.000	32.580	PK
3			2485.744	63.313	30.726	-10.687	74.000	32.587	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

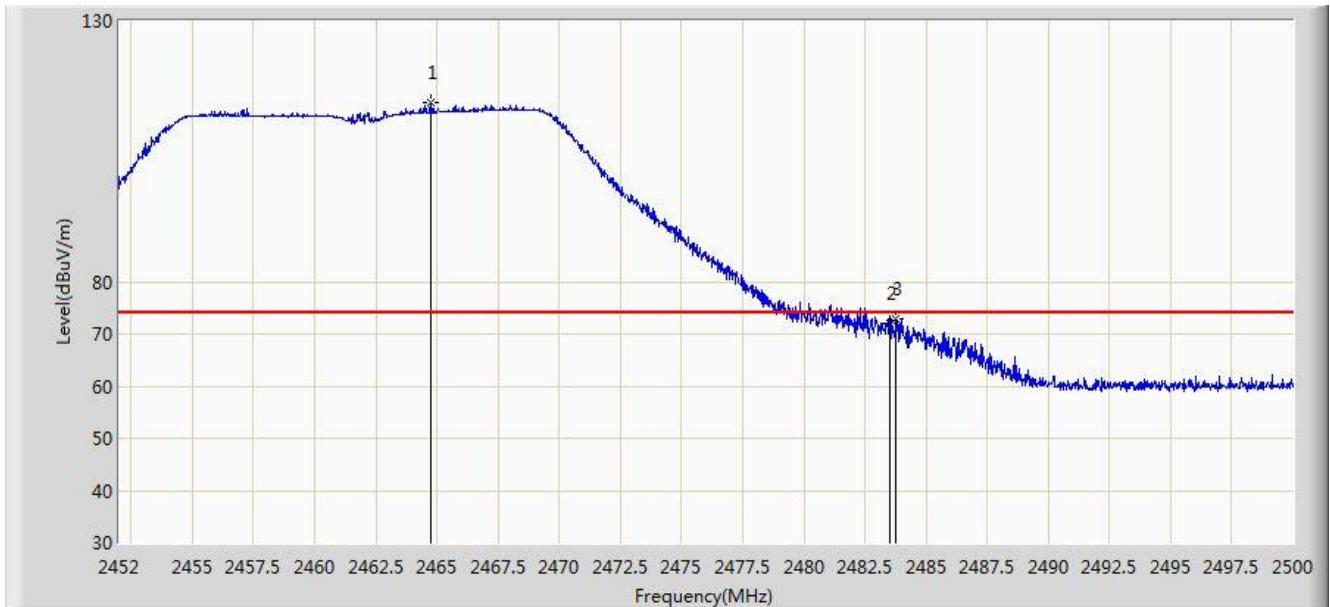


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2467.288	86.179	53.647	N/A	N/A	32.532	AV
2			2483.500	48.386	15.805	-5.614	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

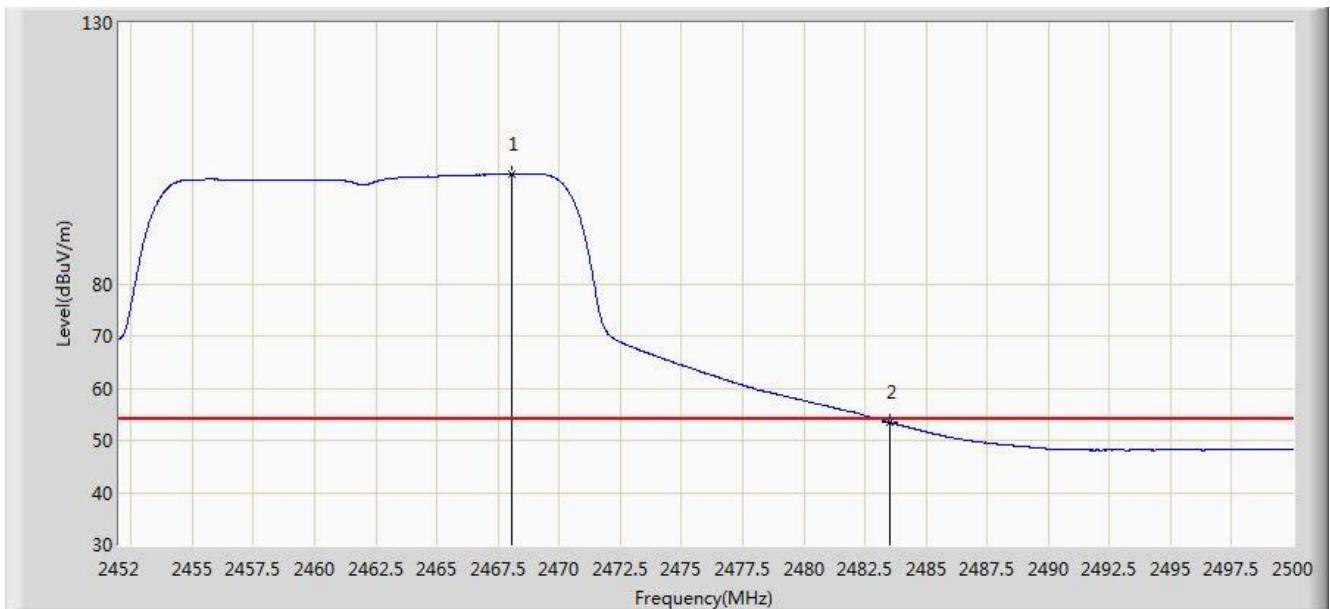


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2464.744	114.306	81.782	N/A	N/A	32.525	PK
2			2483.500	71.888	39.307	-2.112	74.000	32.580	PK
3			2483.776	72.939	40.358	-1.061	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

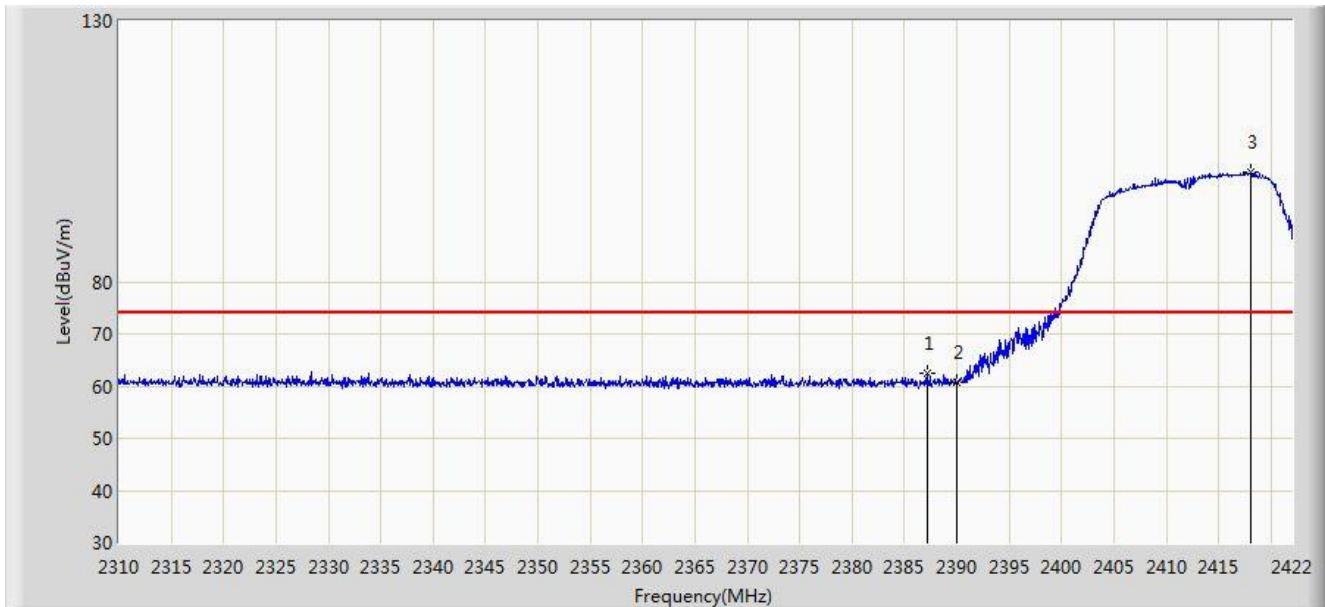


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2468.032	101.040	68.506	N/A	N/A	32.534	AV
2			2483.500	53.451	20.870	-0.549	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

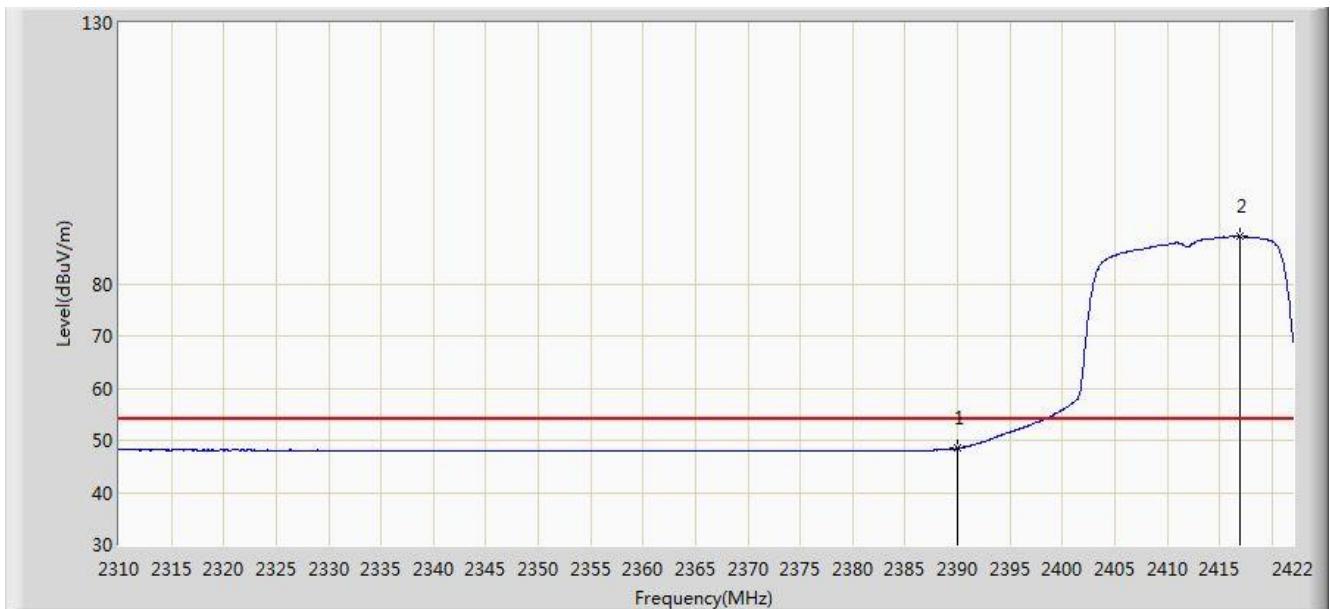


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2387.224	62.402	29.844	-11.598	74.000	32.559	PK
2			2390.000	60.667	28.113	-13.333	74.000	32.554	PK
3			2418.024	101.121	68.603	N/A	N/A	32.518	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

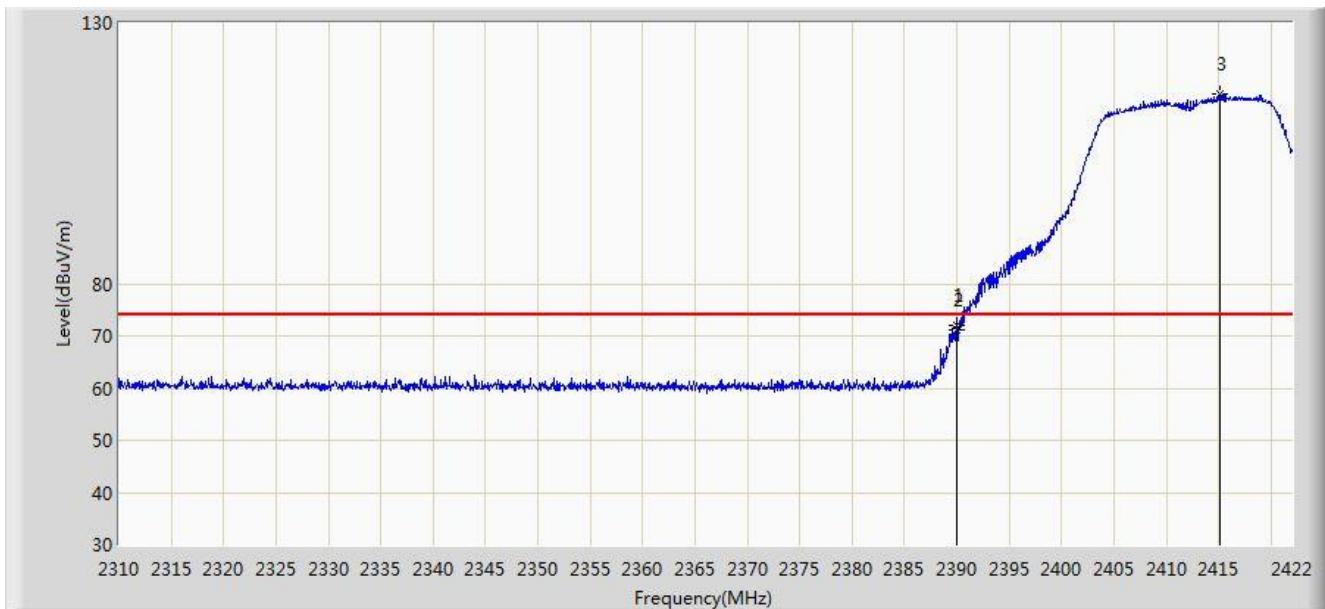


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.453	15.899	-5.547	54.000	32.554	AV
2			2416.904	89.029	56.509	N/A	N/A	32.520	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

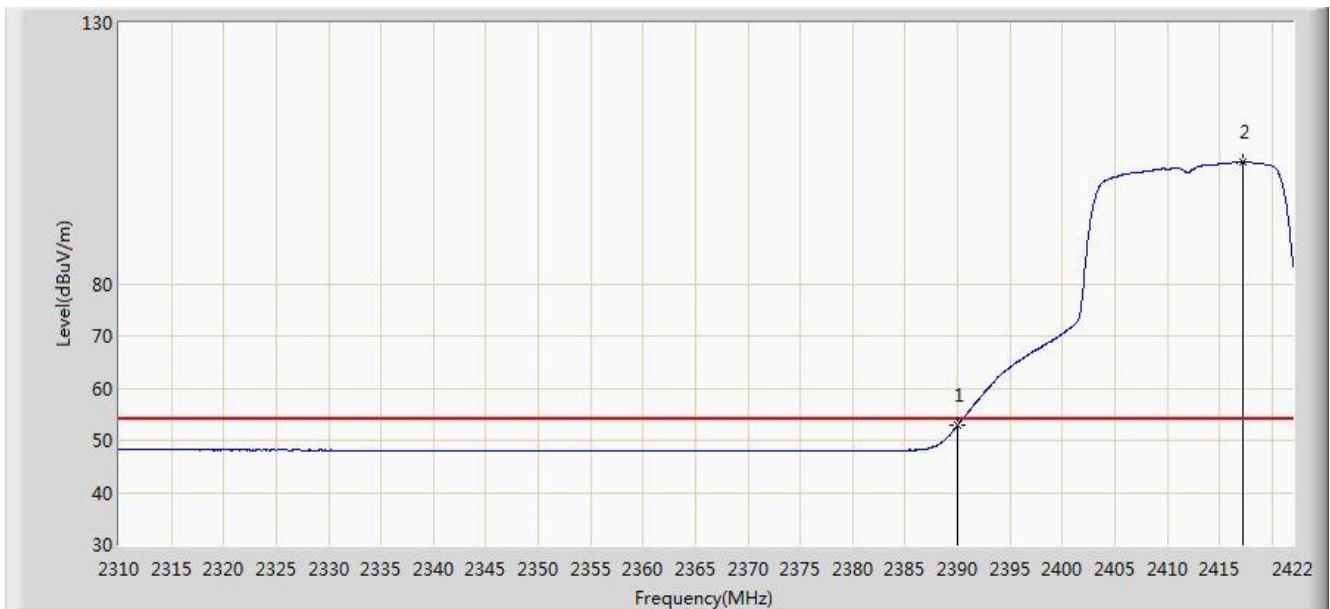


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.968	71.916	39.362	-2.084	74.000	32.554	PK
2			2390.000	71.258	38.704	-2.742	74.000	32.554	PK
3			2415.056	116.297	83.775	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

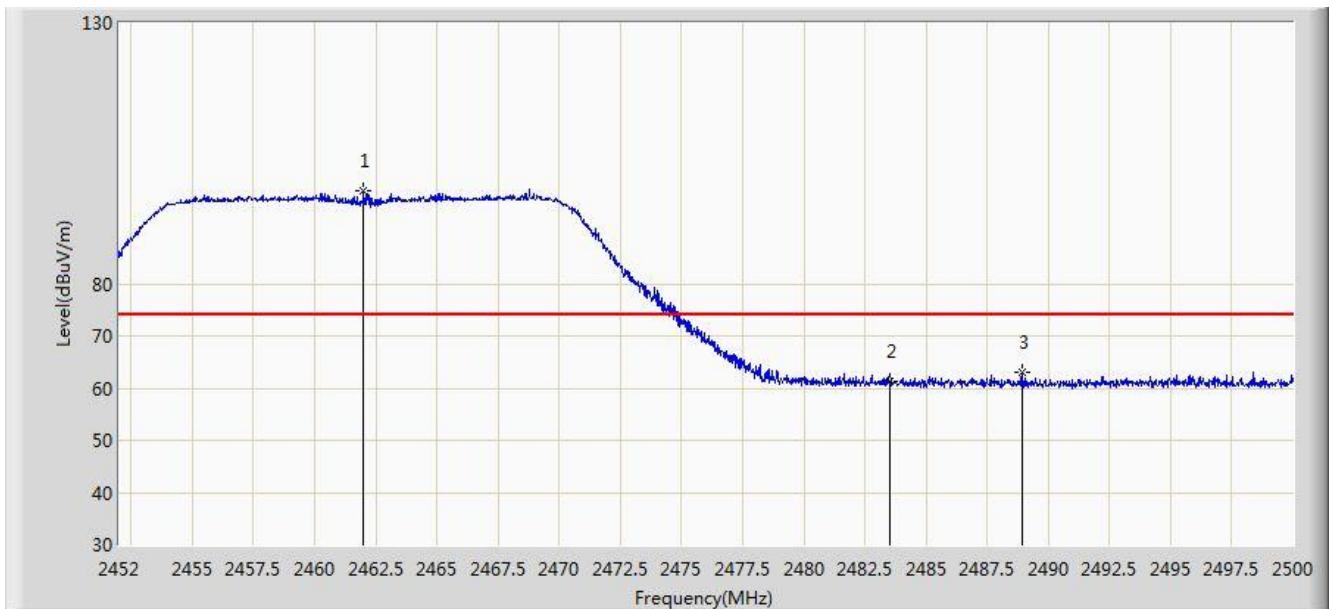


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.856	20.302	-1.144	54.000	32.554	AV
2			2417.296	103.206	70.687	N/A	N/A	32.519	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

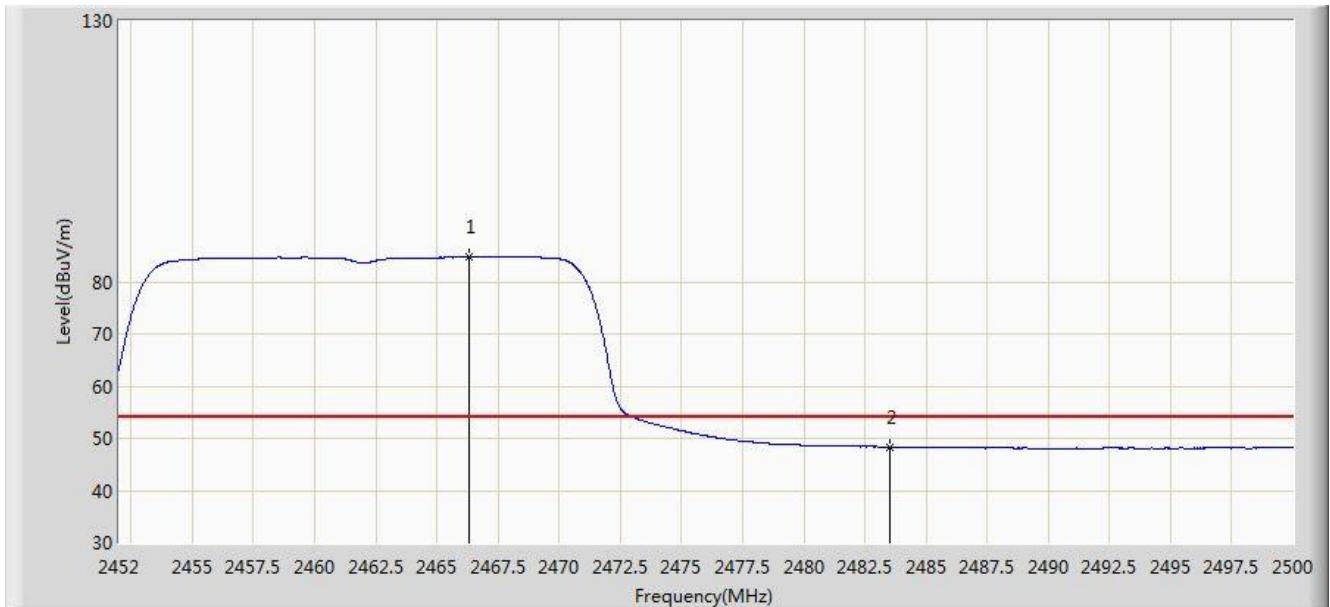


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2462.008	97.906	65.390	N/A	N/A	32.516	PK
2			2483.500	61.309	28.728	-12.691	74.000	32.580	PK
3			2488.912	63.124	30.527	-10.876	74.000	32.597	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

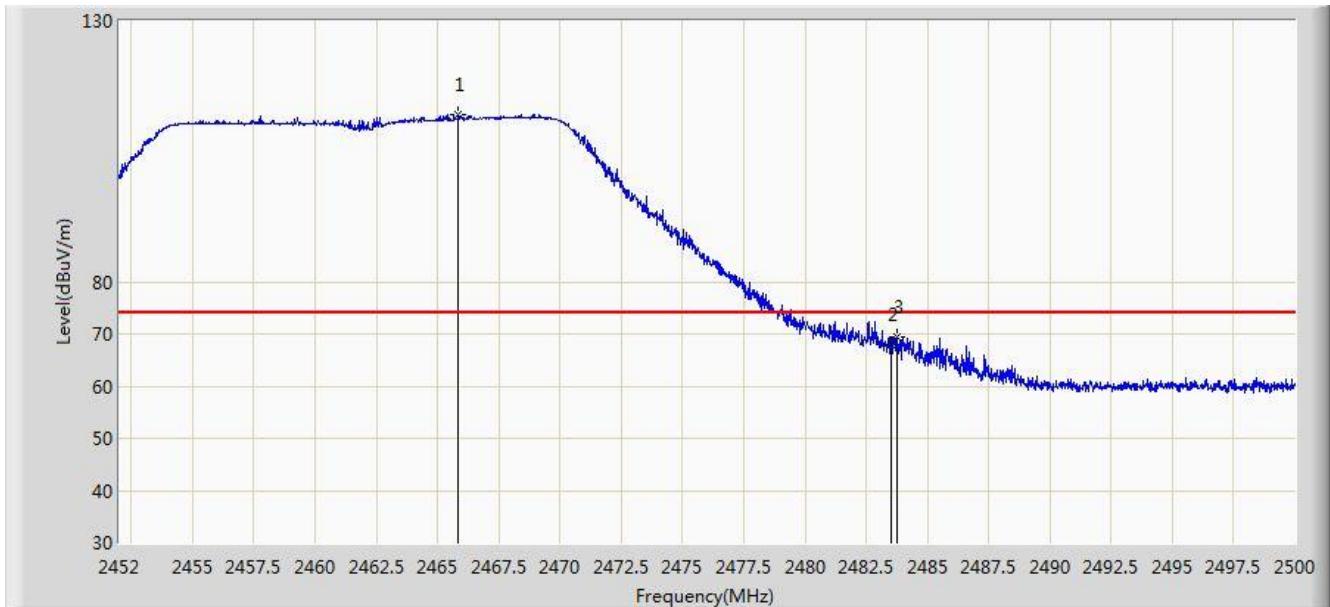


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2466.304	84.683	52.154	N/A	N/A	32.529	AV
2			2483.500	48.323	15.742	-5.677	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

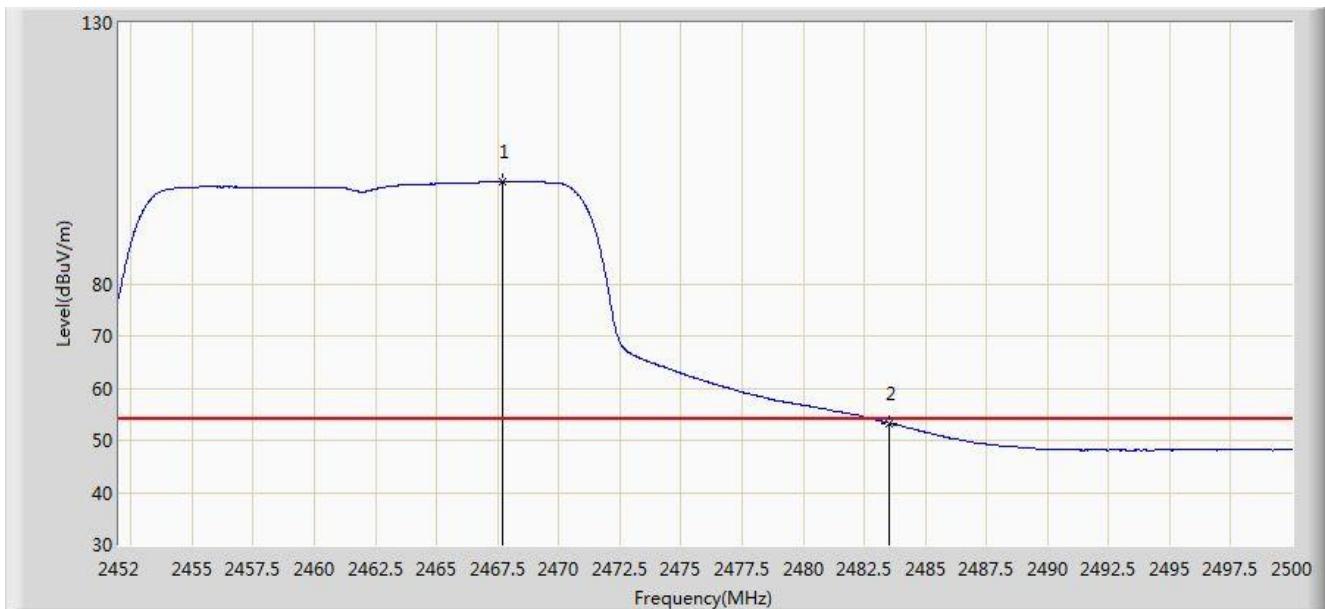


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2465.848	111.917	79.389	N/A	N/A	32.528	PK
2			2483.500	67.934	35.353	-6.066	74.000	32.580	PK
3			2483.776	69.437	36.856	-4.563	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

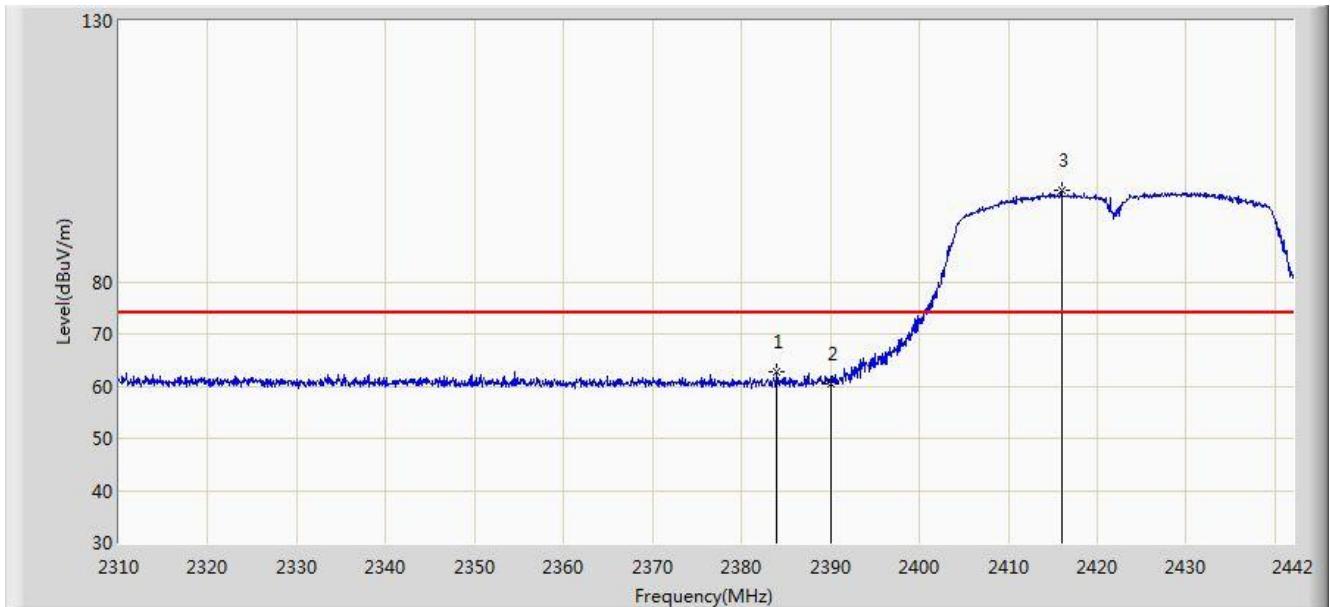


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2467.720	99.505	66.972	N/A	N/A	32.533	AV
2			2483.500	53.323	20.742	-0.677	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

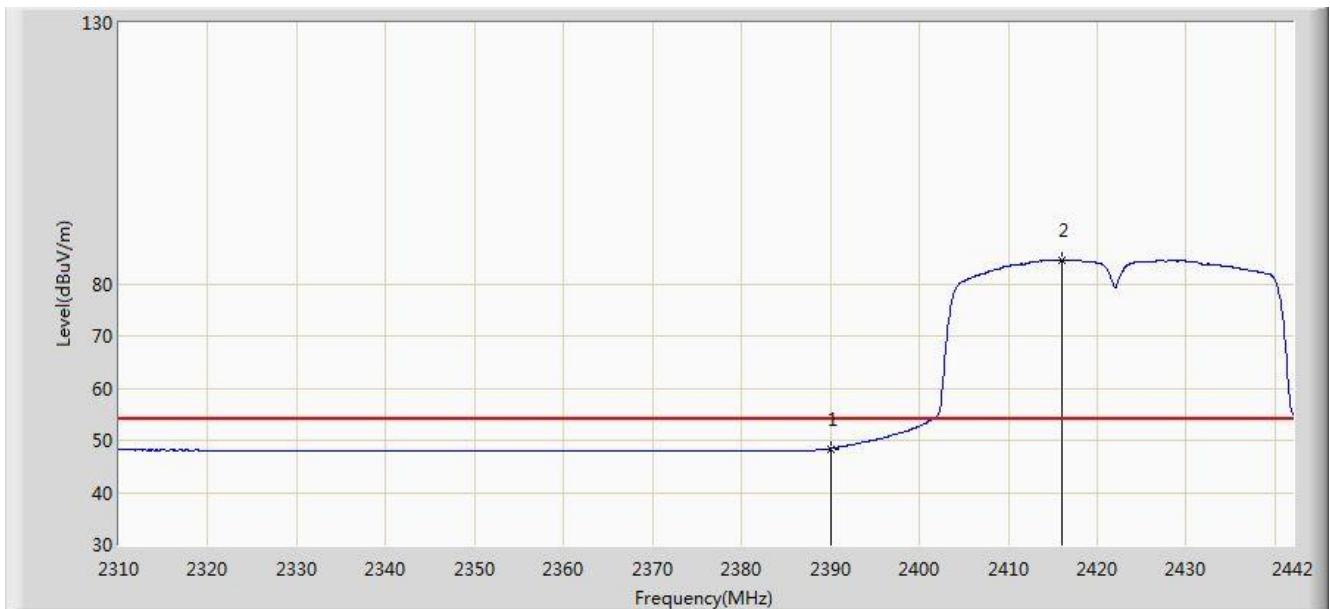


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2383.986	62.698	30.135	-11.302	74.000	32.563	PK
2			2390.000	60.571	28.017	-13.429	74.000	32.554	PK
3			2415.996	97.462	64.941	N/A	N/A	32.521	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

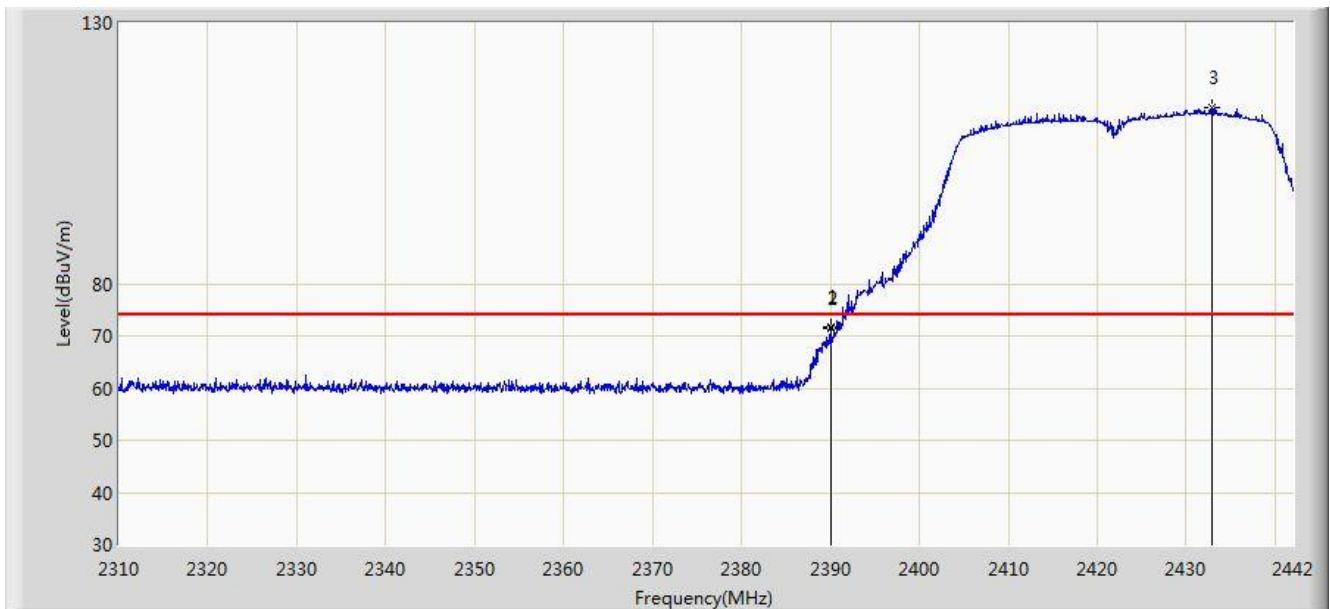


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	48.389	15.835	-5.611	54.000	32.554	AV
2			2416.062	84.497	51.976	N/A	N/A	32.521	AV

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

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

Site: AC1	Time: 2017/02/13 - 16:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

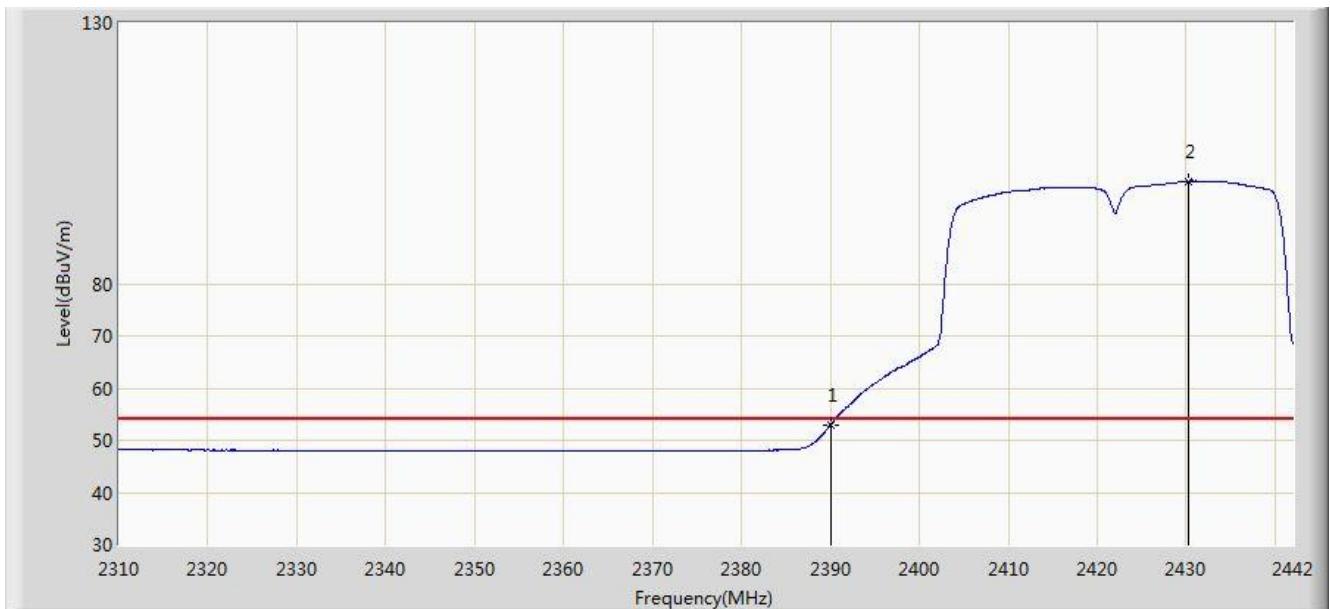


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.992	71.851	39.297	-2.149	74.000	32.554	PK
2			2390.000	71.428	38.874	-2.572	74.000	32.554	PK
3			2432.826	113.832	81.331	N/A	N/A	32.500	PK

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

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

Site: AC1	Time: 2017/02/13 - 16:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

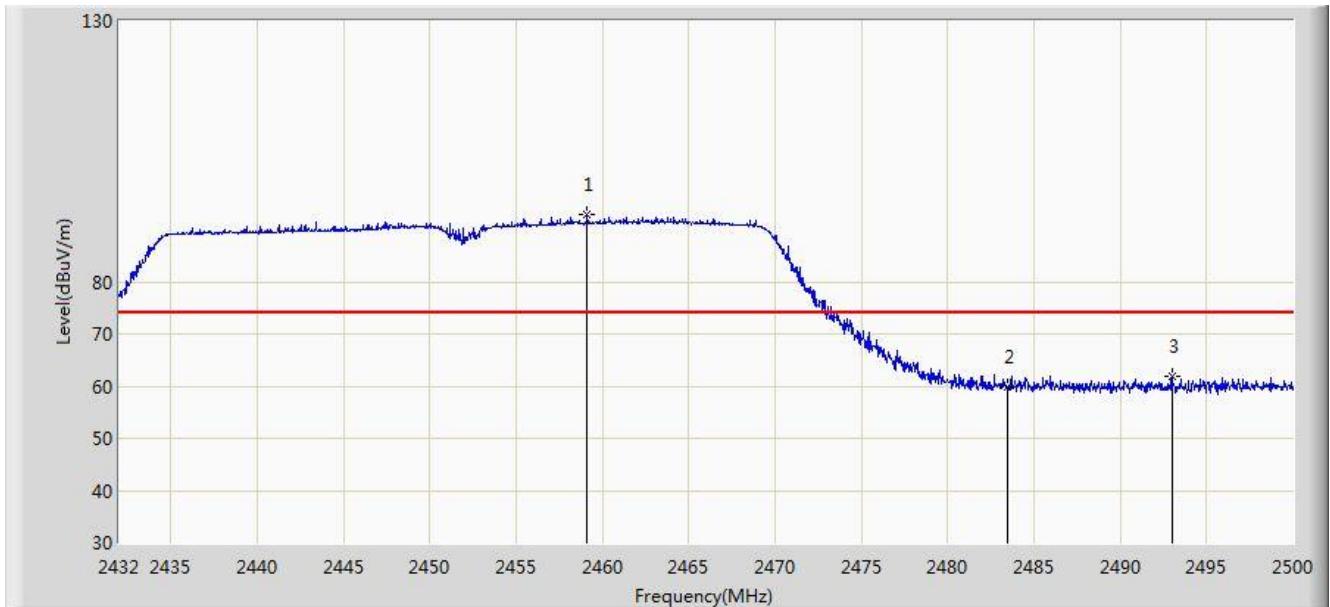


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	53.003	20.449	-0.997	54.000	32.554	AV
2			2430.252	99.669	67.165	N/A	N/A	32.504	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

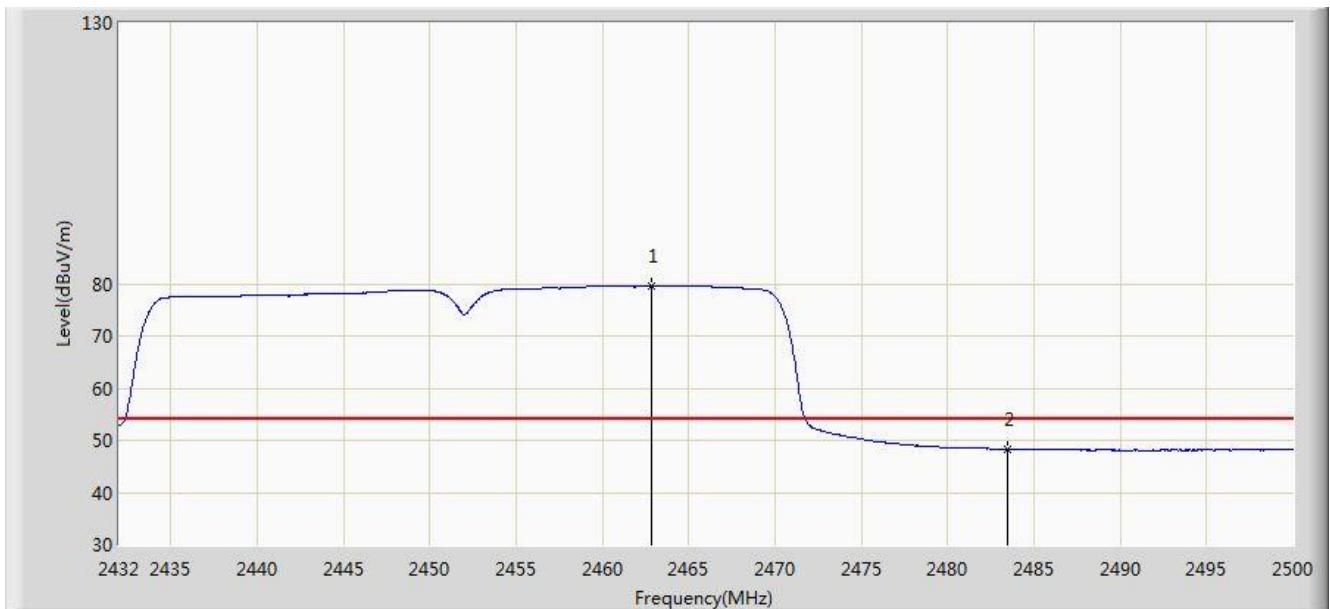


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2459.132	92.835	60.324	N/A	N/A	32.511	PK
2			2483.500	59.846	27.265	-14.154	74.000	32.580	PK
3			2492.996	61.780	29.171	-12.220	74.000	32.609	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

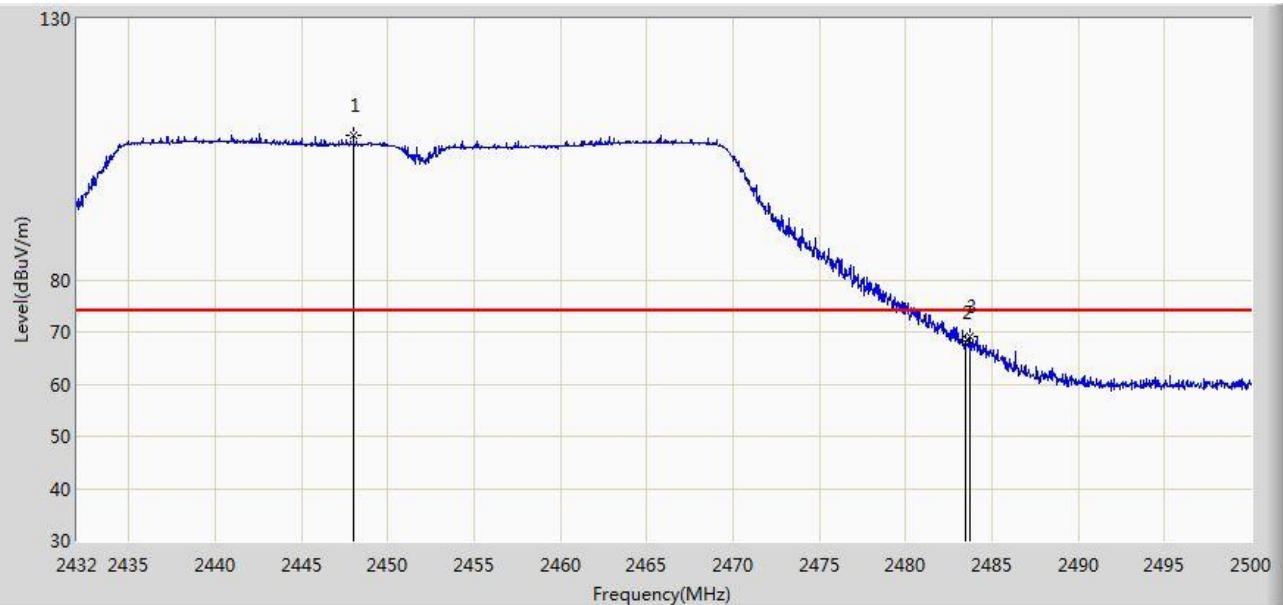


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2462.838	79.590	47.071	N/A	N/A	32.518	AV
2			2483.500	48.309	15.728	-5.691	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

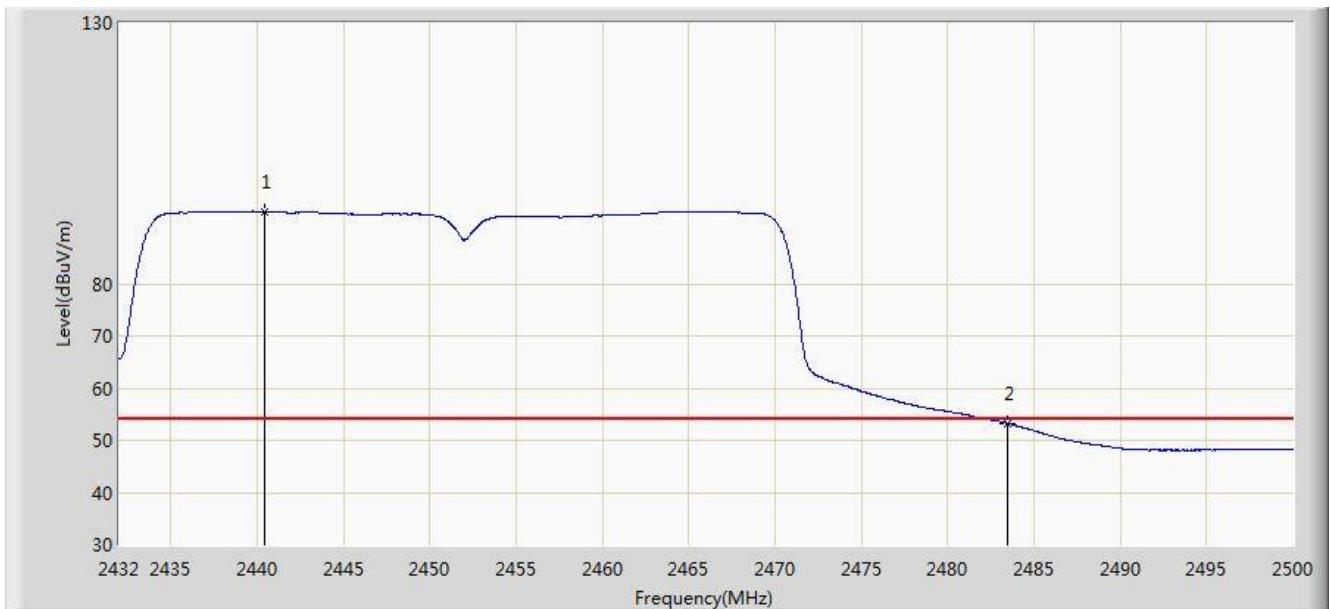


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2448.014	107.662	75.170	N/A	N/A	32.492	PK
2			2483.500	67.952	35.371	-6.048	74.000	32.580	PK
3			2483.714	69.142	36.561	-4.858	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

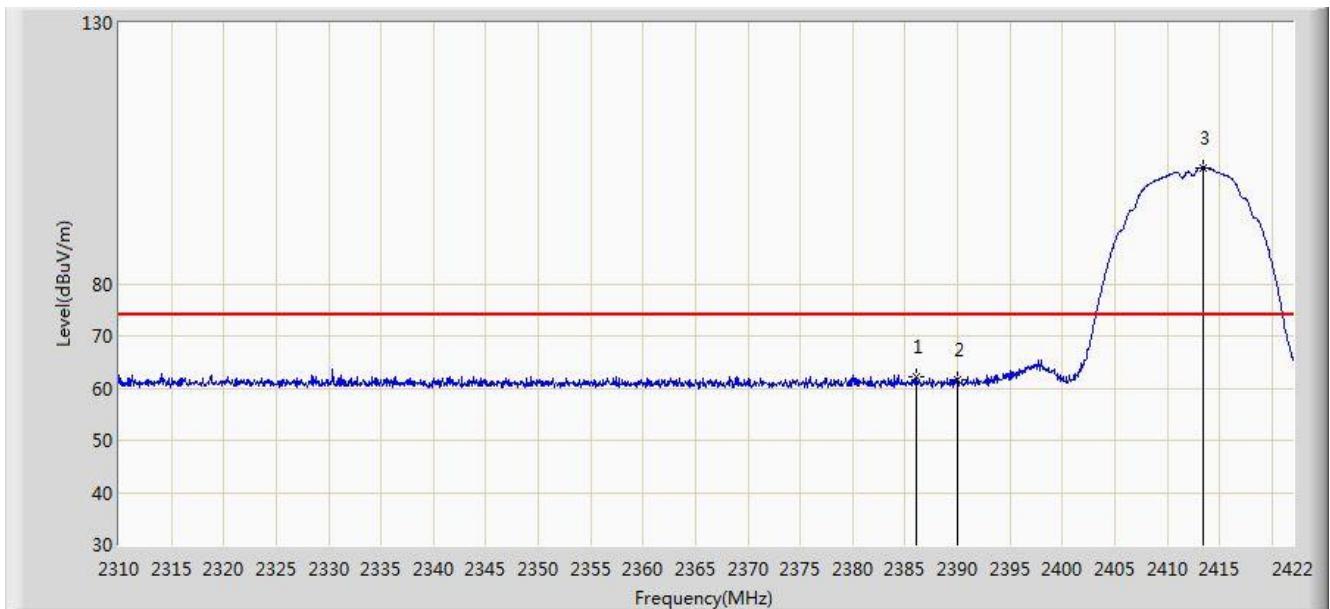


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2440.432	93.891	61.399	N/A	N/A	32.492	AV
2			2483.500	53.225	20.644	-0.775	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

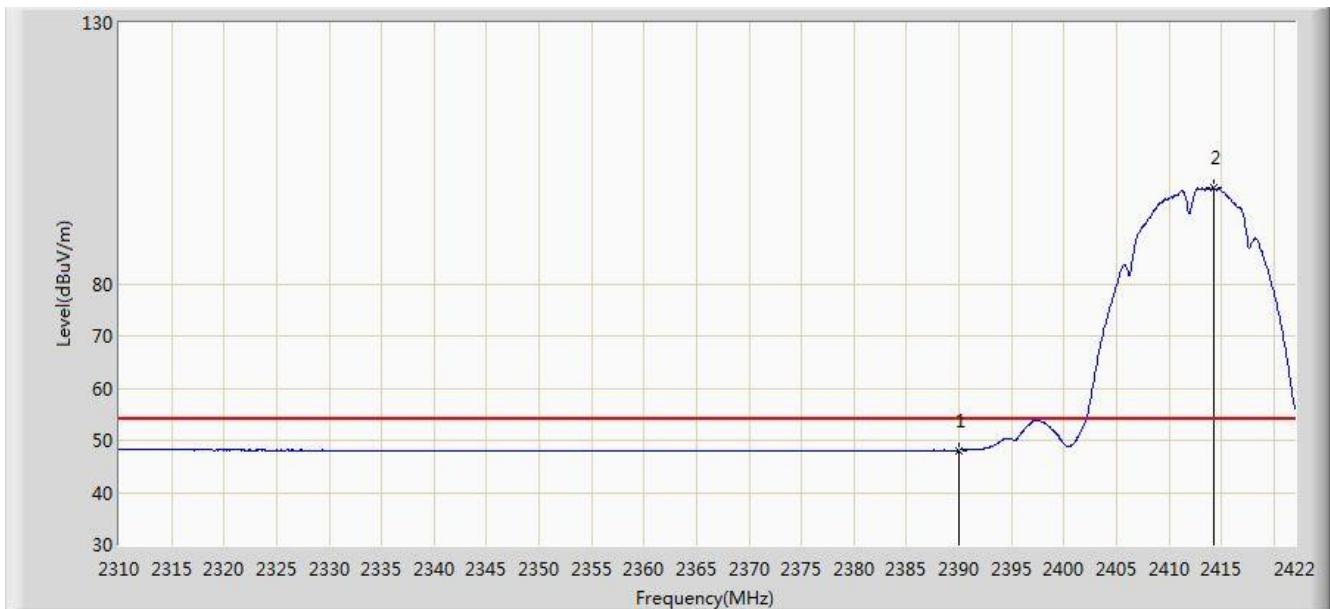


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2386.104	62.253	29.693	-11.747	74.000	32.559	PK
2			2390.000	61.533	28.979	-12.467	74.000	32.554	PK
3			2413.432	102.284	69.760	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

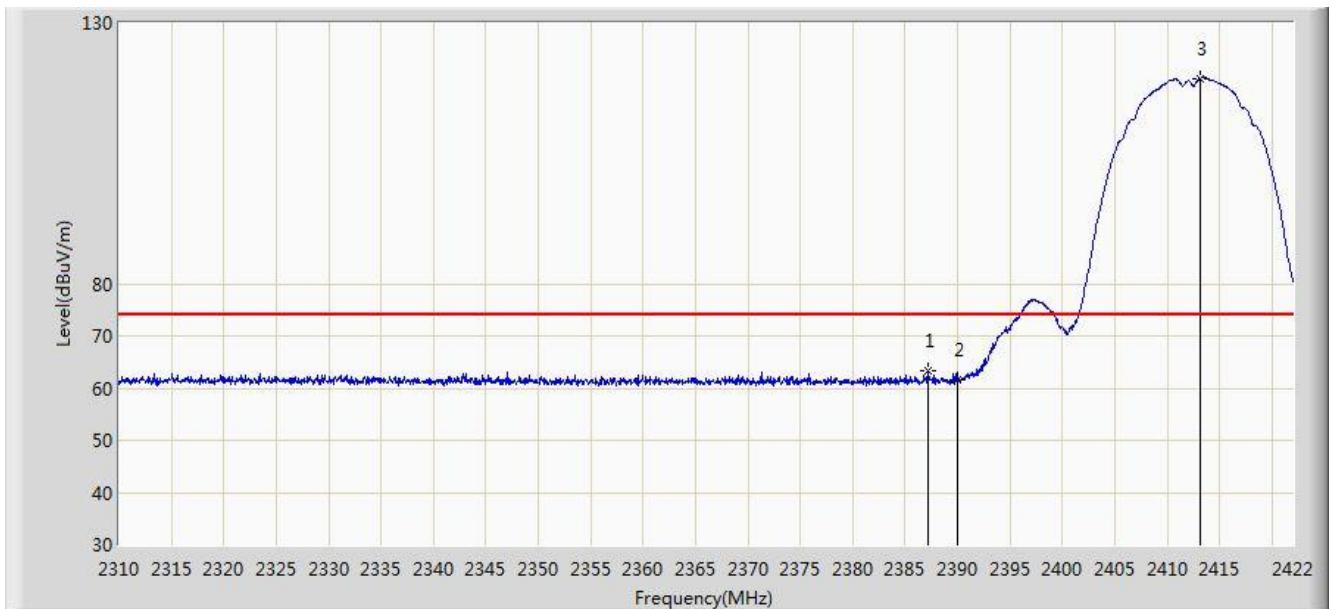


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.113	15.559	-5.887	54.000	32.554	AV
2			2414.216	98.335	65.812	N/A	N/A	32.523	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2387.224	63.395	30.837	-10.605	74.000	32.559	PK
2			2390.000	61.541	28.987	-12.459	74.000	32.554	PK
3			2413.208	119.380	86.856	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

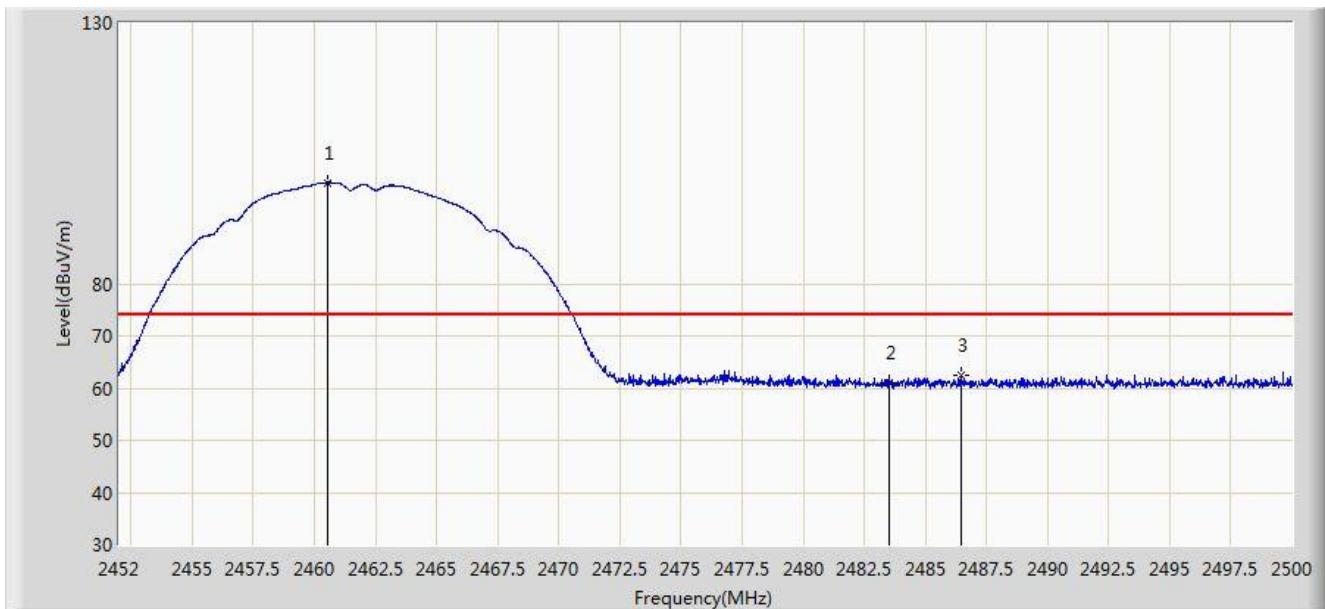


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.705	16.151	-5.295	54.000	32.554	AV
2			2412.816	115.250	82.725	N/A	N/A	32.525	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2460.568	99.413	66.899	N/A	N/A	32.514	PK
2			2483.500	60.947	28.366	-13.053	74.000	32.580	PK
3			2486.488	62.345	29.755	-11.655	74.000	32.590	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

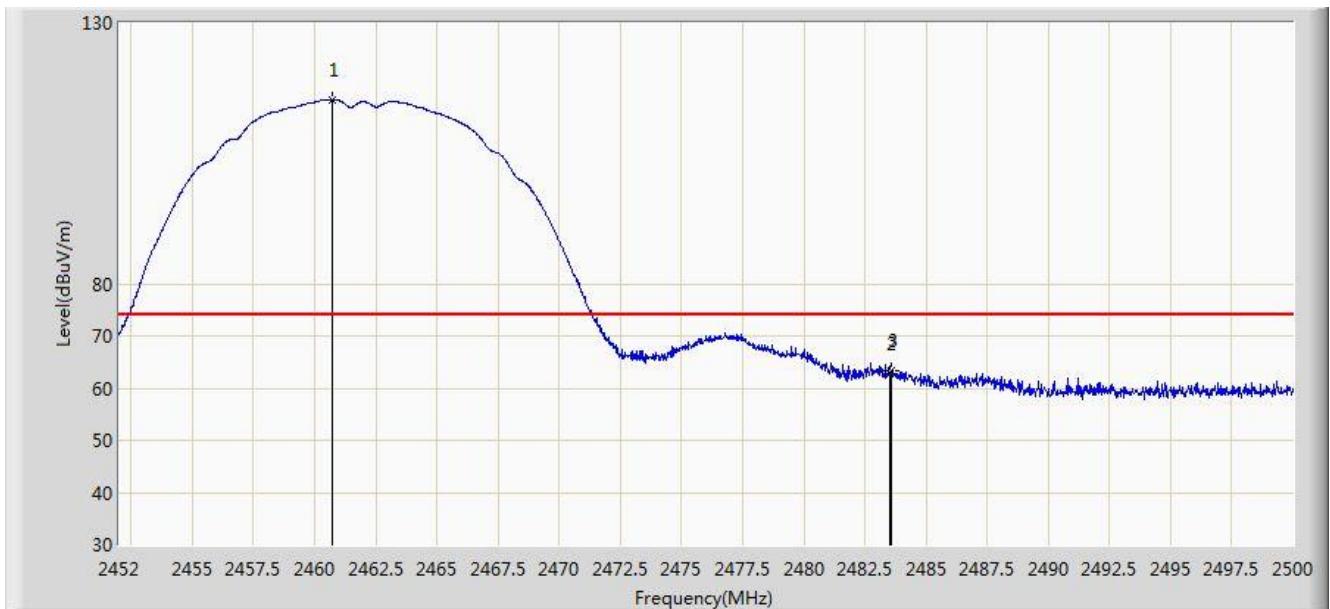


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2461.168	95.576	63.061	N/A	N/A	32.515	AV
2			2483.500	48.207	15.626	-5.793	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

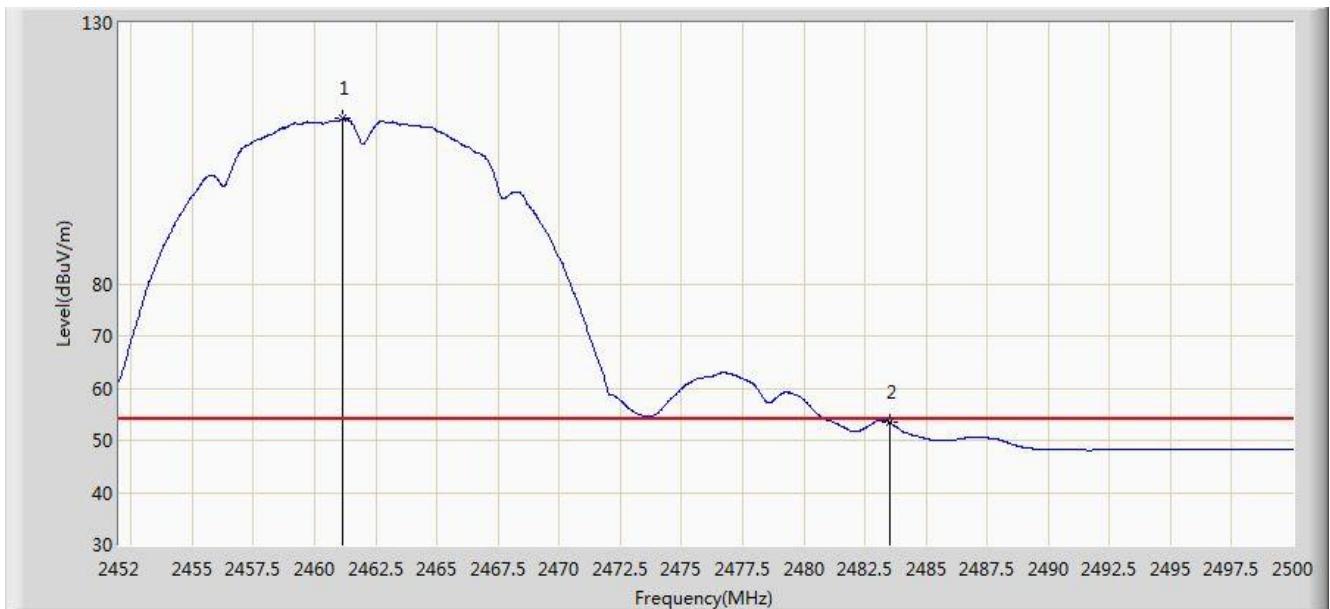


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2460.712	115.240	82.726	N/A	N/A	32.514	PK
2			2483.500	62.751	30.170	-11.249	74.000	32.580	PK
3			2483.608	63.340	30.759	-10.660	74.000	32.581	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

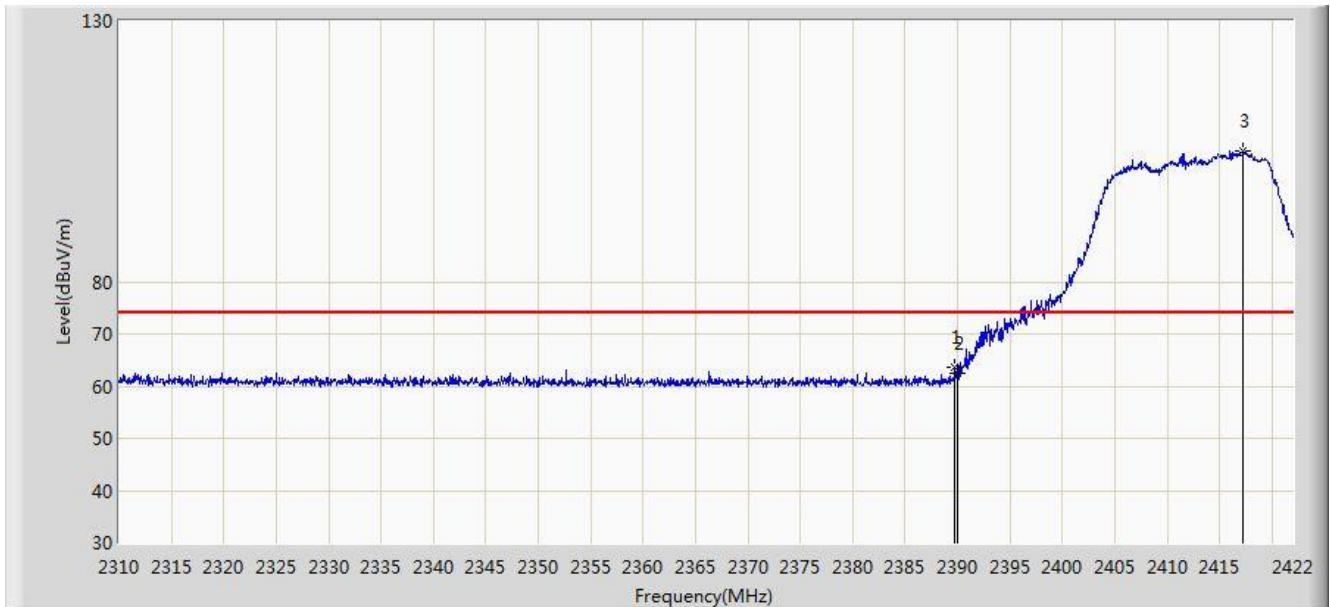


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2461.168	111.651	79.136	N/A	N/A	32.515	AV
2			2483.500	53.516	20.935	-0.484	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

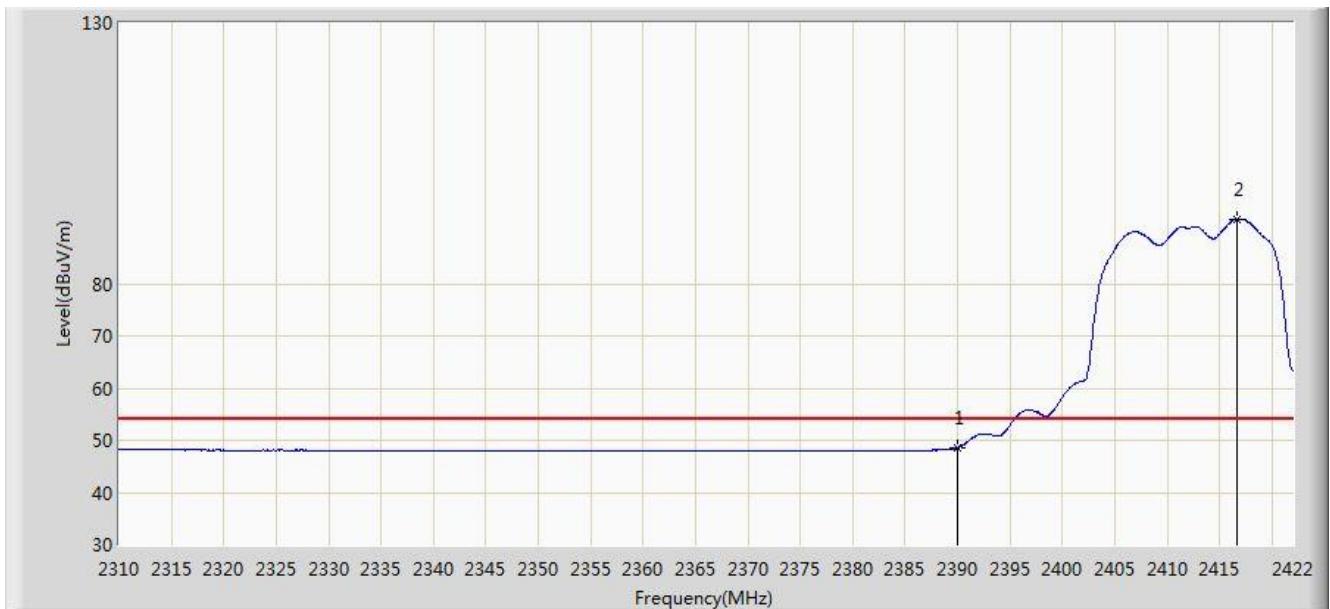


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.744	63.480	30.925	-10.520	74.000	32.555	PK
2			2390.000	62.498	29.944	-11.502	74.000	32.554	PK
3			2417.240	105.038	72.519	N/A	N/A	32.519	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

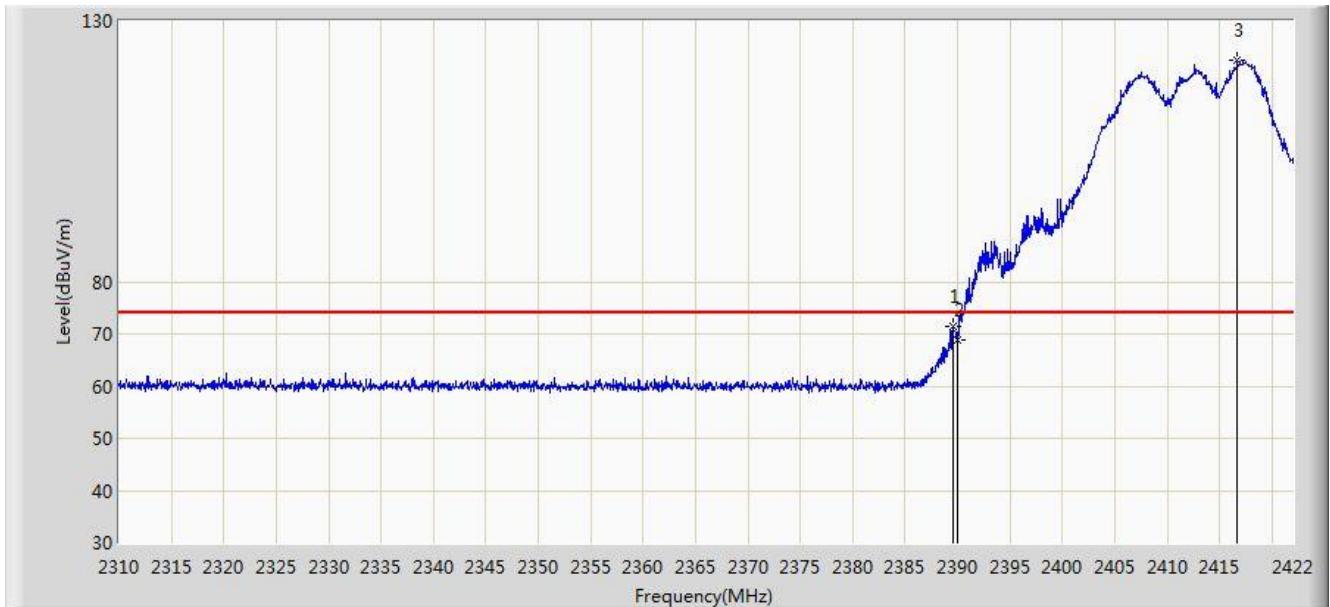


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	48.597	16.043	-5.403	54.000	32.554	AV
2			2416.736	92.452	59.932	N/A	N/A	32.520	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

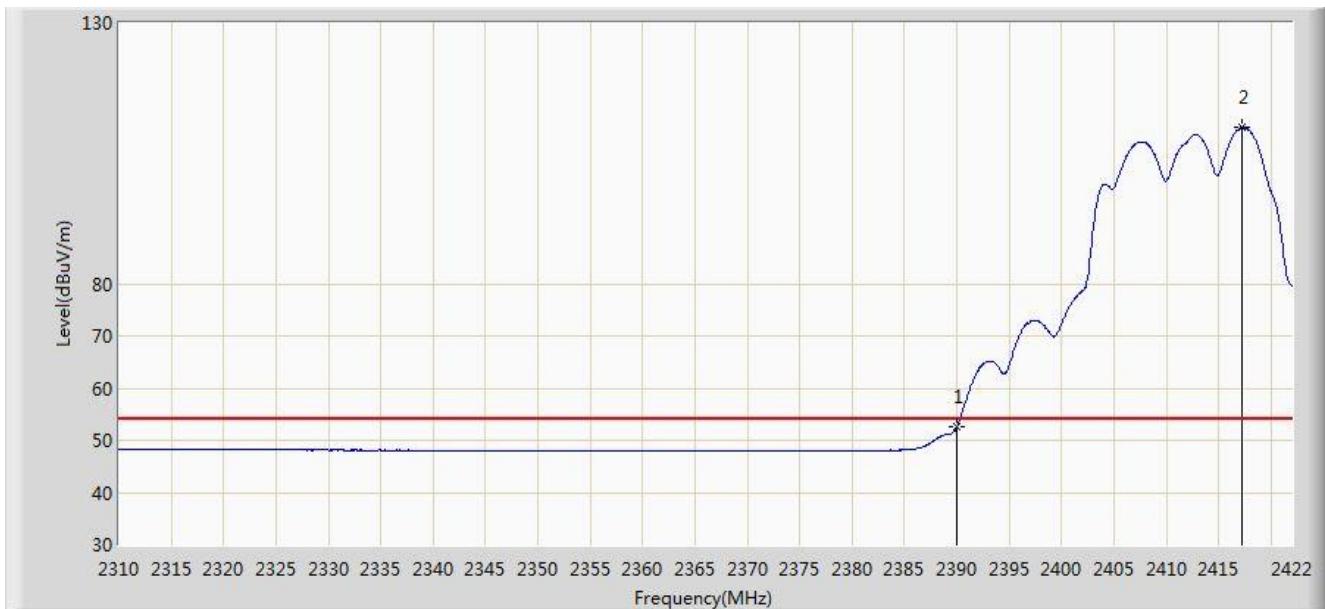


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.520	71.593	39.038	-2.407	74.000	32.556	PK
2			2390.000	68.958	36.404	-5.042	74.000	32.554	PK
3			2416.680	122.357	89.837	N/A	N/A	32.520	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

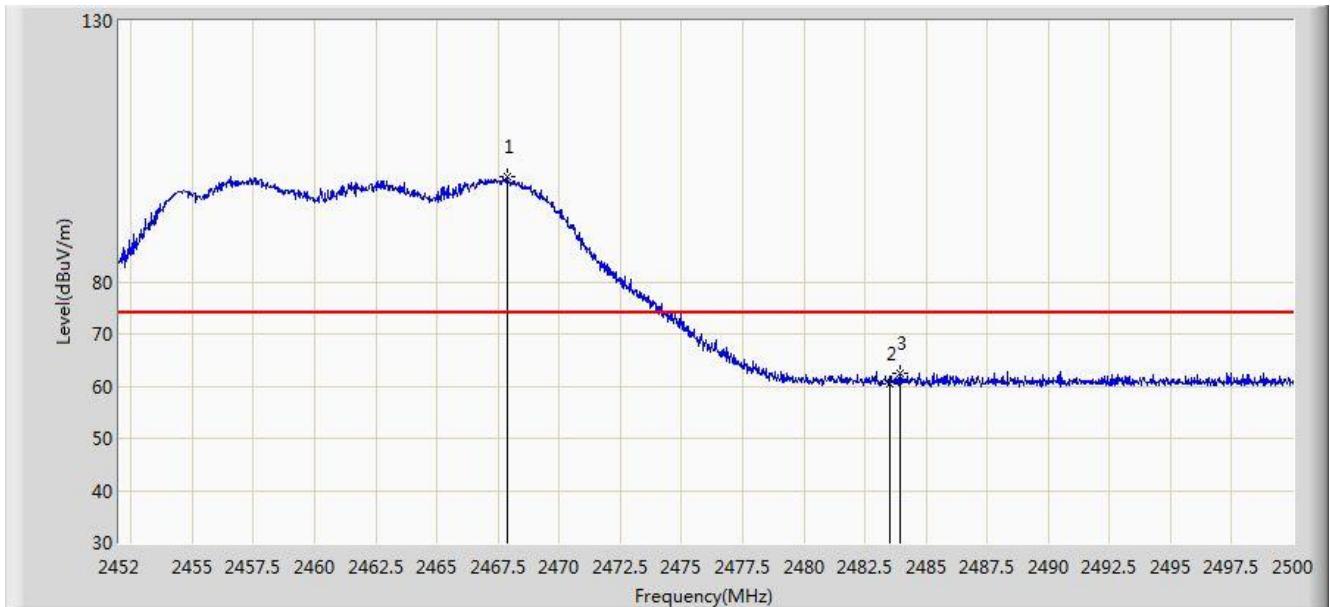


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.555	20.001	-1.445	54.000	32.554	AV
2			2417.240	109.979	77.460	N/A	N/A	32.519	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

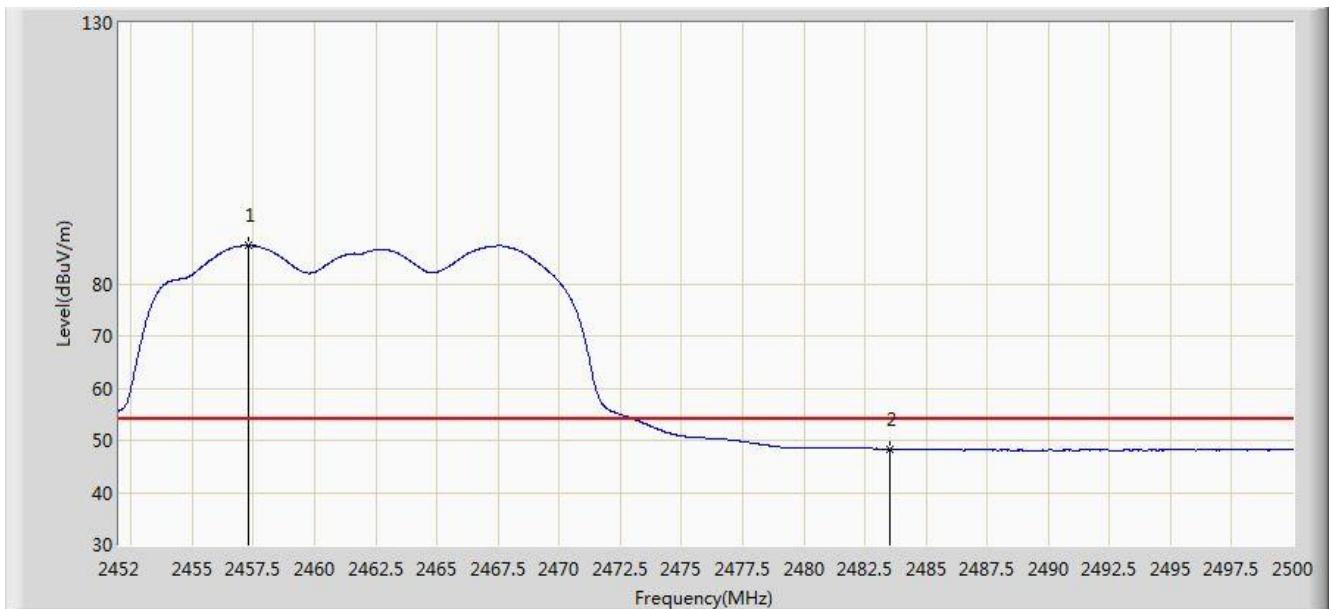


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2467.864	100.213	67.679	N/A	N/A	32.533	PK
2			2483.500	60.422	27.841	-13.578	74.000	32.580	PK
3			2483.920	62.571	29.989	-11.429	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

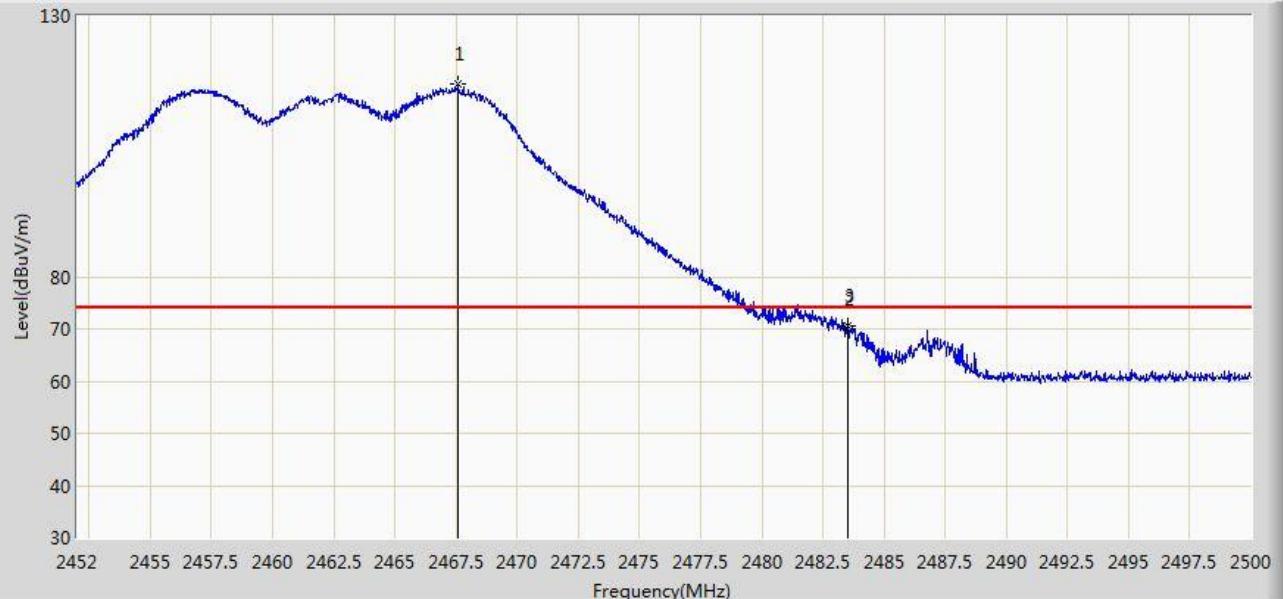


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2457.280	87.308	54.800	N/A	N/A	32.508	AV
2			2483.500	48.307	15.726	-5.693	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

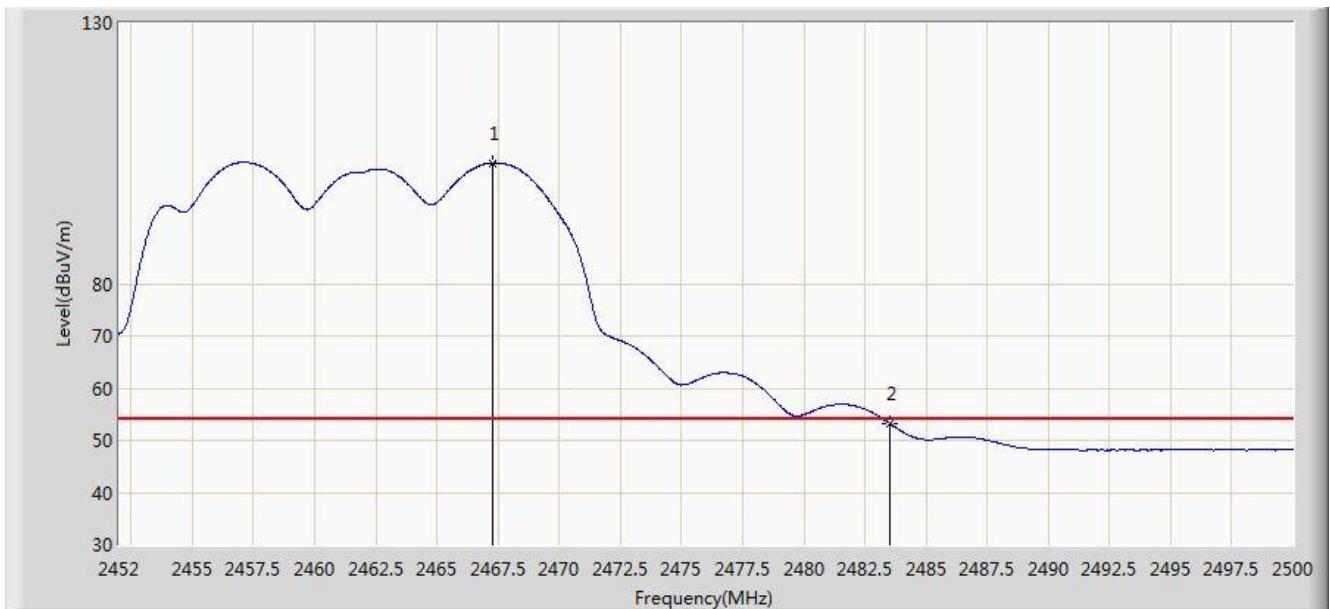


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2467.600	116.832	84.299	N/A	N/A	32.533	PK
2			2483.500	70.060	37.479	-3.940	74.000	32.580	PK
3			2483.536	70.570	37.989	-3.430	74.000	32.580	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

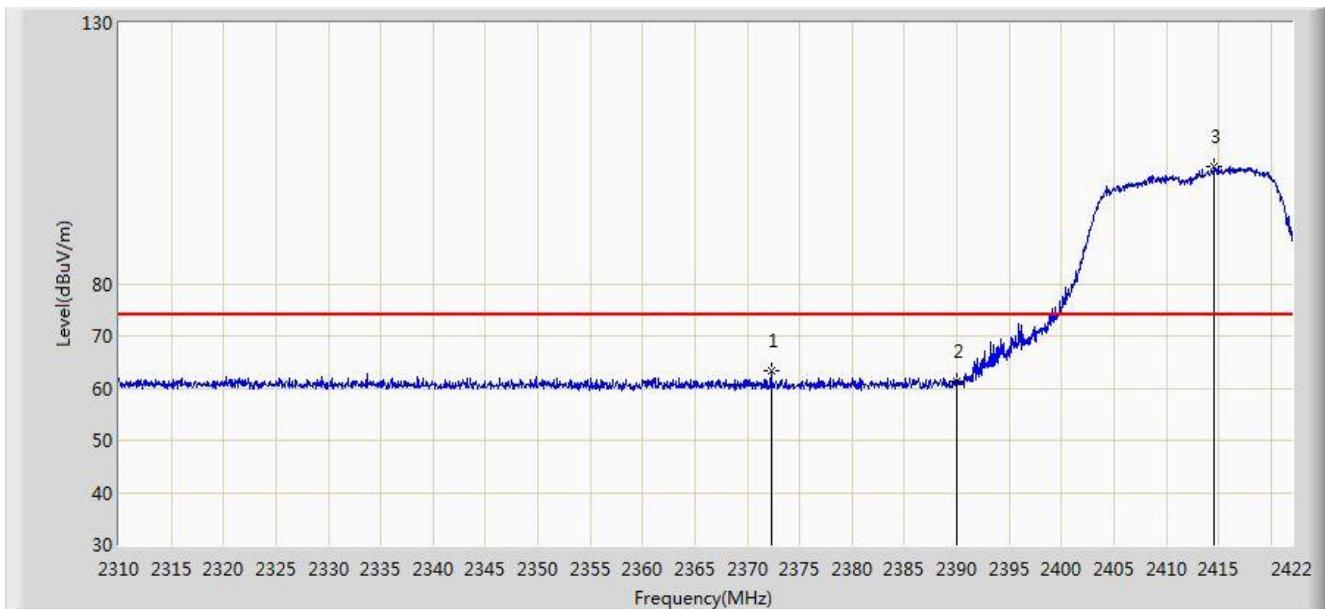


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2467.288	103.173	70.641	N/A	N/A	32.532	AV
2			2483.500	53.290	20.709	-0.710	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2	

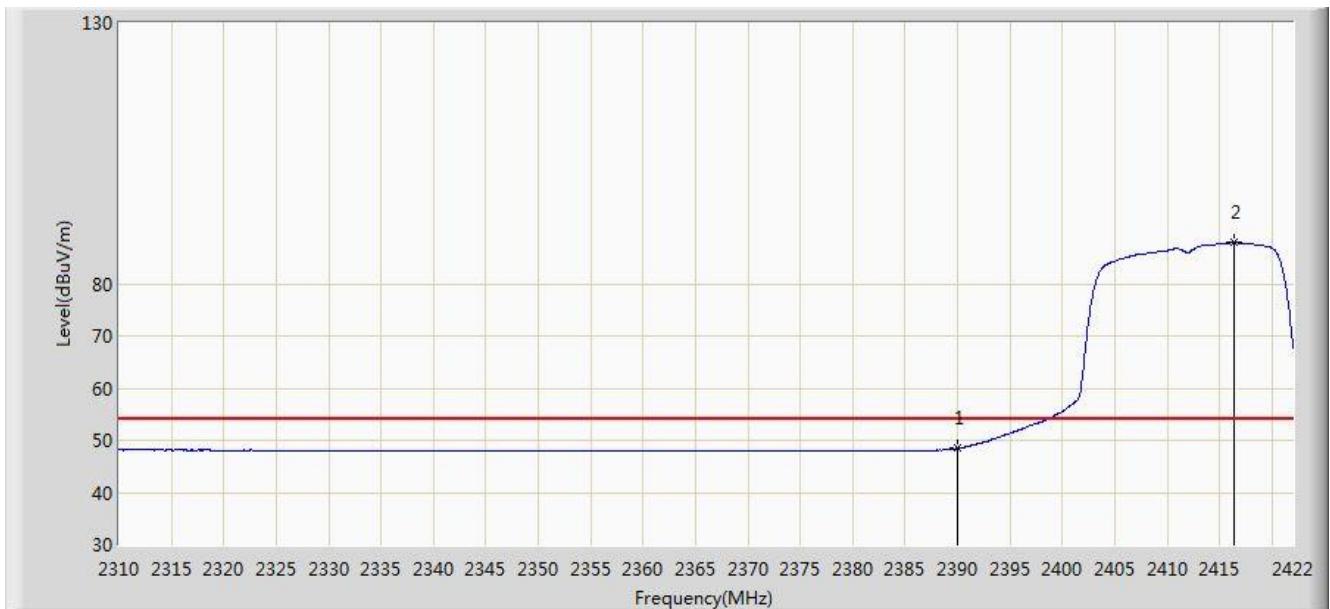


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2372.272	63.353	30.774	-10.647	74.000	32.579	PK
2			2390.000	61.324	28.770	-12.676	74.000	32.554	PK
3			2414.608	102.410	69.888	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2	

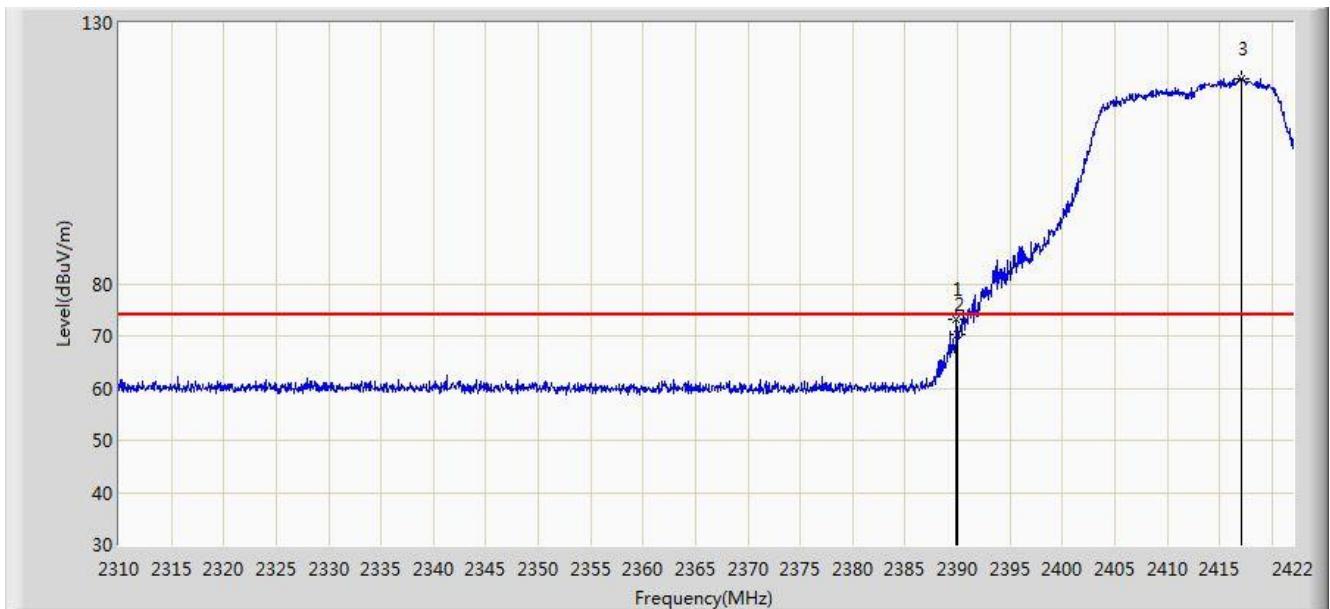


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2390.000	48.417	15.863	-5.583	54.000	32.554	AV
2			2416.344	87.840	55.320	N/A	N/A	32.520	AV

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

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

Site: AC1	Time: 2017/02/13 - 17:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2	

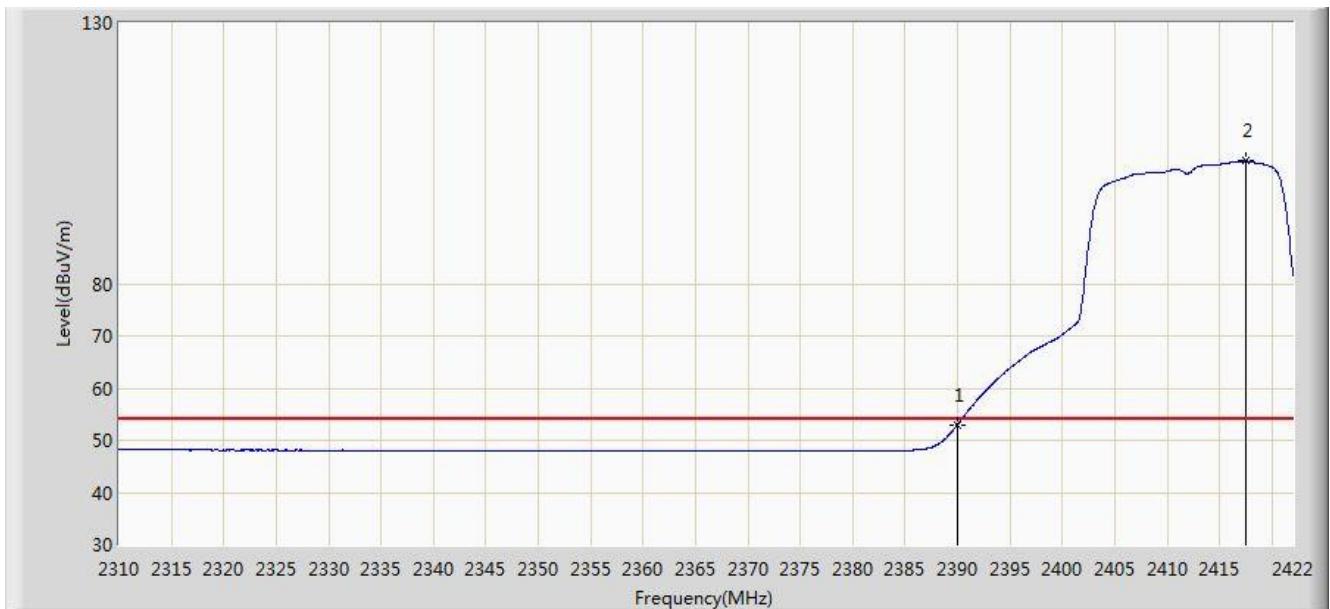


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2389.856	73.262	40.707	-0.738	74.000	32.555	PK
2			2390.000	70.366	37.812	-3.634	74.000	32.554	PK
3			2417.072	119.399	86.879	N/A	N/A	32.519	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2	

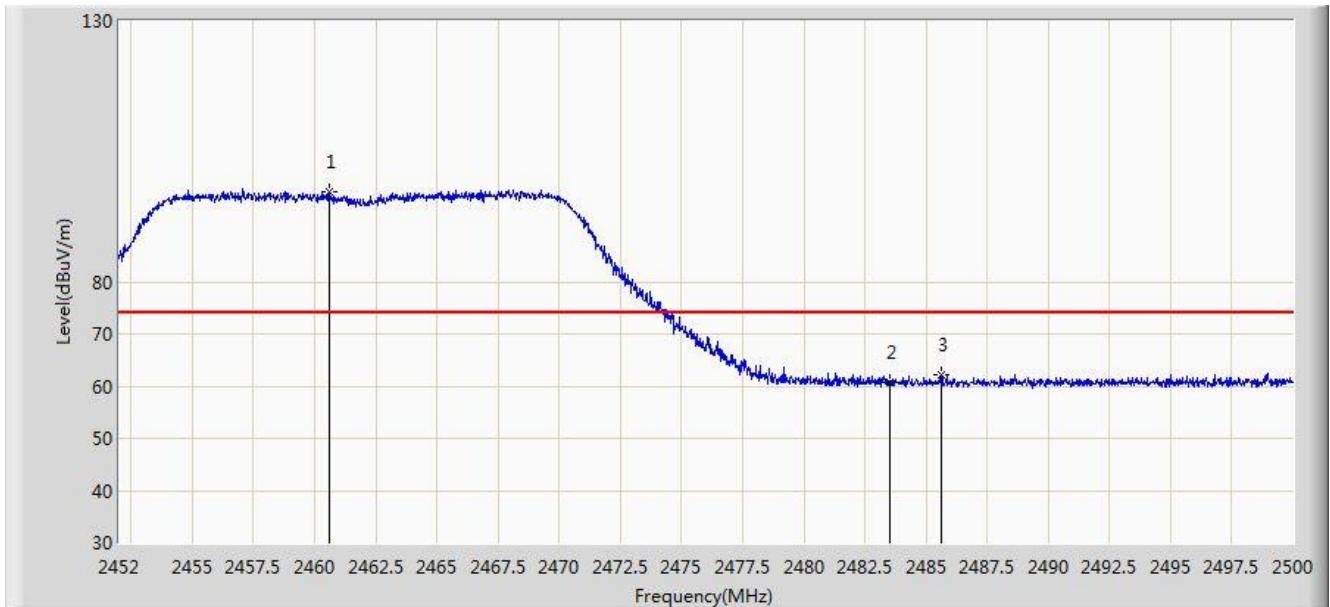


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.031	20.477	-0.969	54.000	32.554	AV
2			2417.576	103.482	70.963	N/A	N/A	32.519	AV

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

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

Site: AC1	Time: 2017/02/13 - 18:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2	

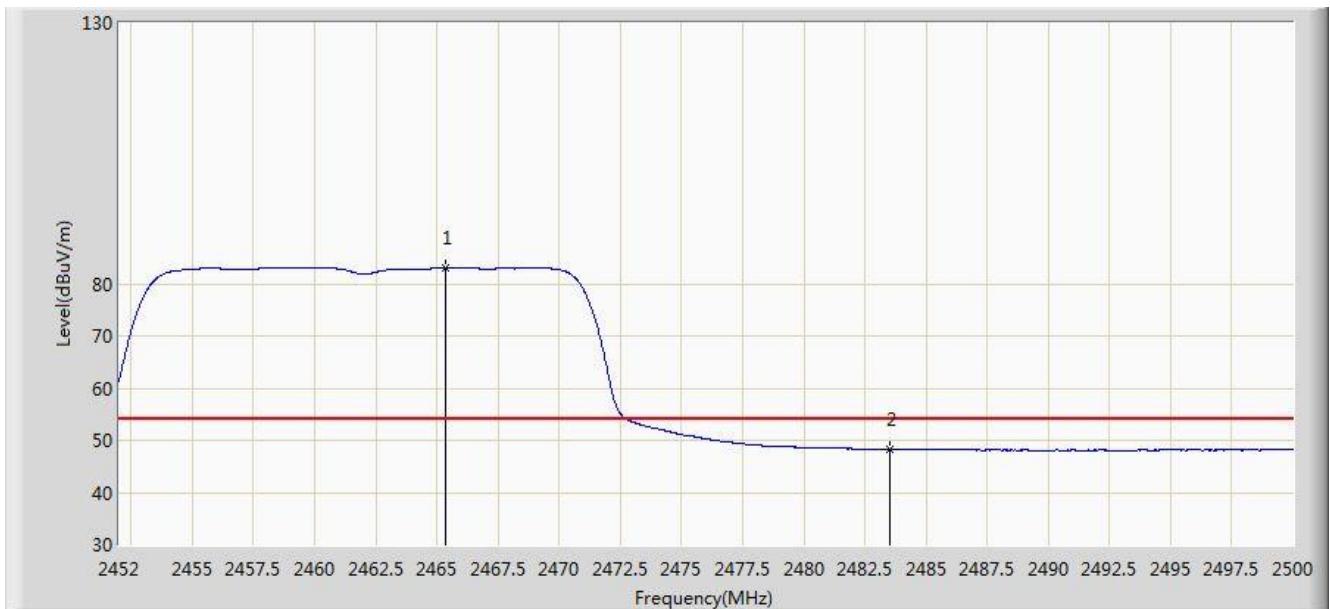


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2460.616	97.252	64.738	N/A	N/A	32.514	PK
2			2483.500	60.612	28.031	-13.388	74.000	32.580	PK
3			2485.624	62.193	29.606	-11.807	74.000	32.587	PK

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

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

Site: AC1	Time: 2017/02/13 - 18:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2	

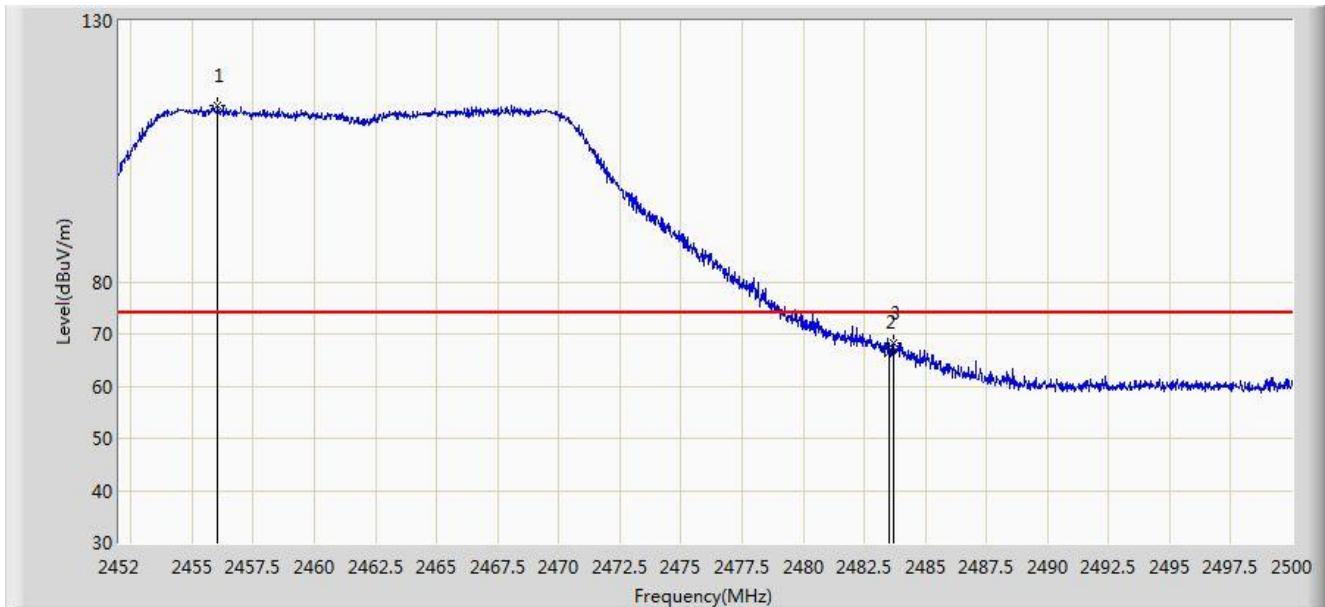


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2465.344	82.983	50.457	N/A	N/A	32.526	AV
2			2483.500	48.290	15.709	-5.710	54.000	32.580	AV

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

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

Site: AC1	Time: 2017/02/13 - 18:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2	

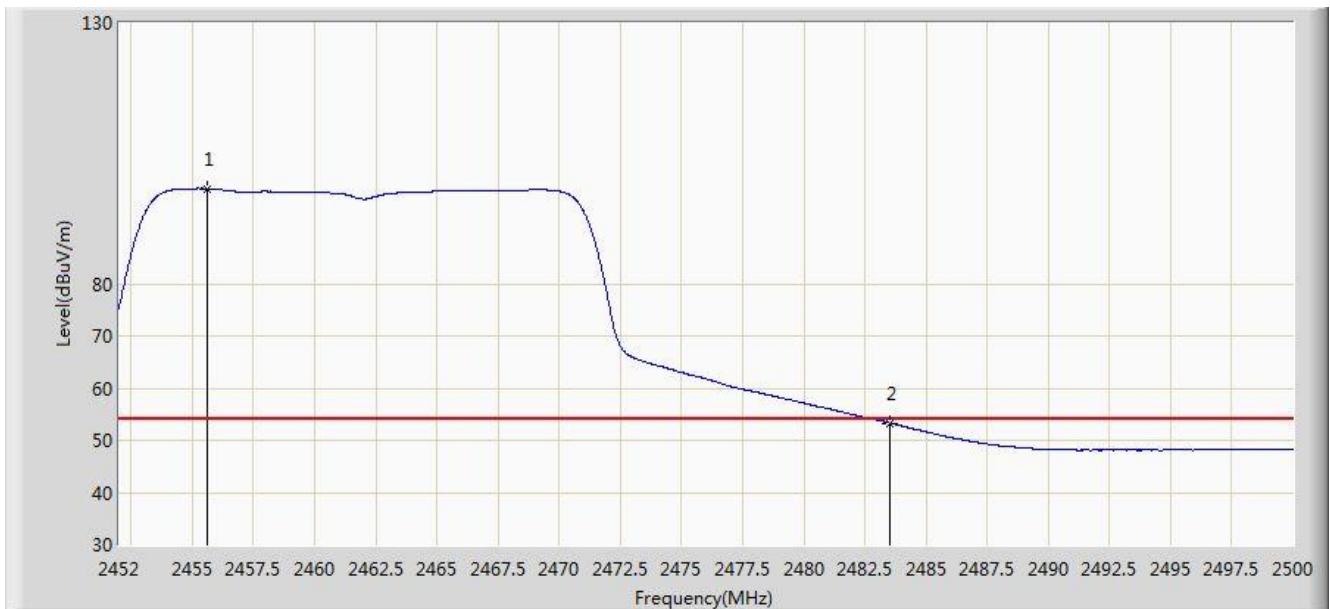


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2456.032	113.709	81.203	N/A	N/A	32.505	PK
2			2483.500	66.411	33.830	-7.589	74.000	32.580	PK
3			2483.728	68.286	35.705	-5.714	74.000	32.582	PK

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

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

Site: AC1	Time: 2017/02/13 - 17:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: US Wi-Fi AP 2x2 OD ext. antenna	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			2455.624	98.223	65.718	N/A	N/A	32.505	AV
2			2483.500	53.328	20.747	-0.672	54.000	32.580	AV

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

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