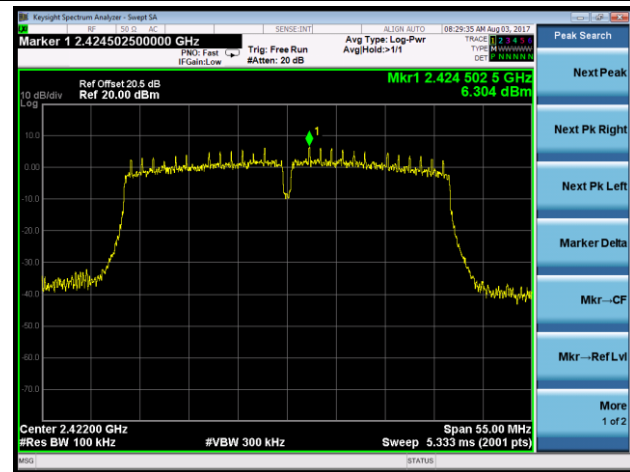


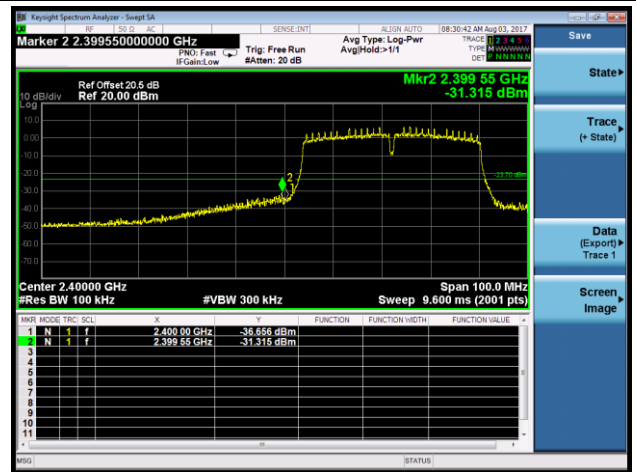
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 1 + 2

Channel 03 (2422MHz)

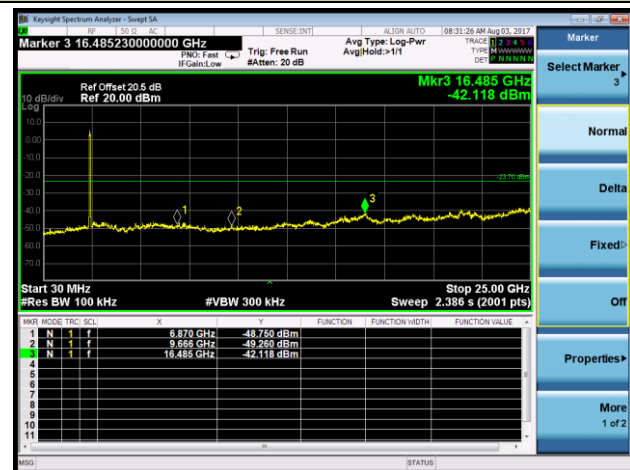
100kHz PSD reference Level



Low Band Edge

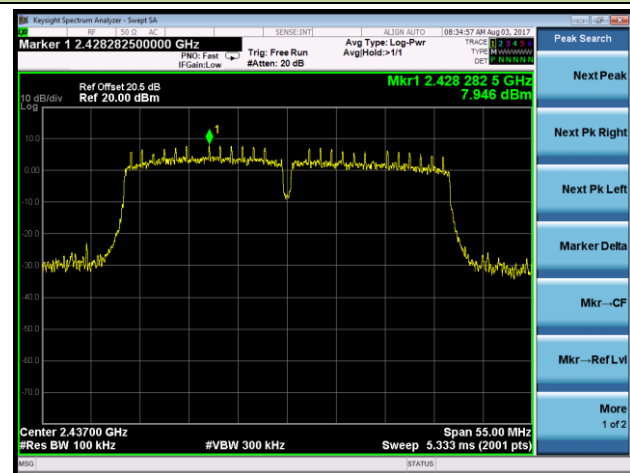


Spurious Emission

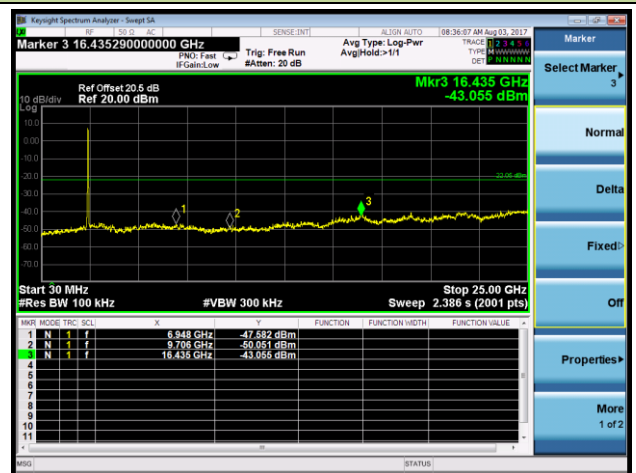


Channel 06 (2437MHz)

100kHz PSD reference Level

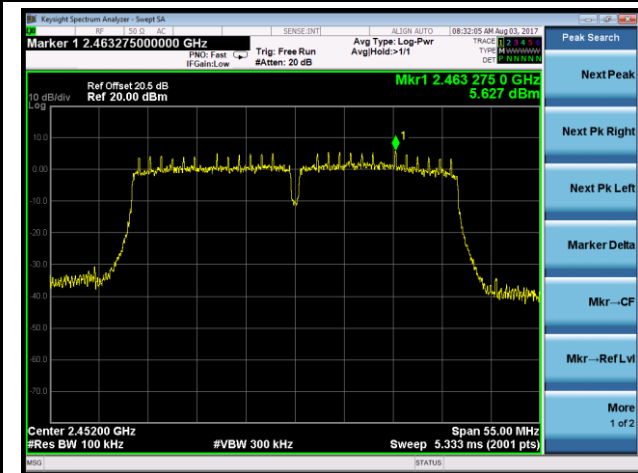


Spurious Emission

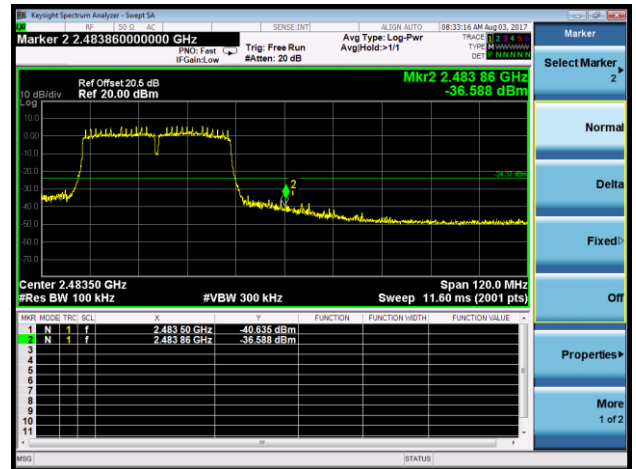


Channel 09 (2452MHz)

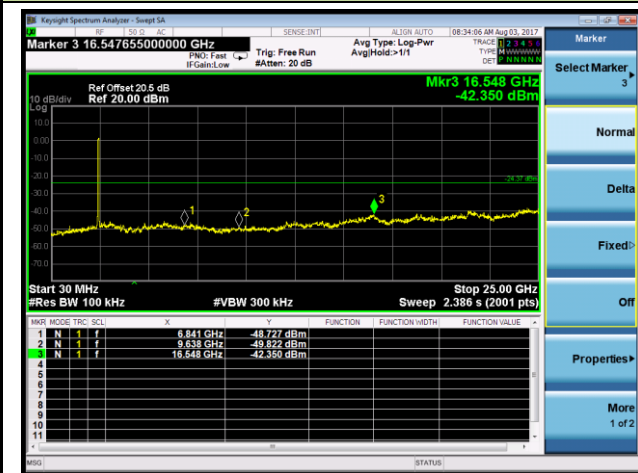
100kHz PSD reference Level



High Band Edge



Spurious Emission



7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

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

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

7.6.2. Test Procedure Used

KDB 558074 D01v04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

RBW = as specified in Table 1

VBW = 3MHz

Detector = peak

Sweep time = auto couple

Trace mode = max hold

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

Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

RBW = 1MHz

VBW $\geq 1/T$

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

Detector = Peak

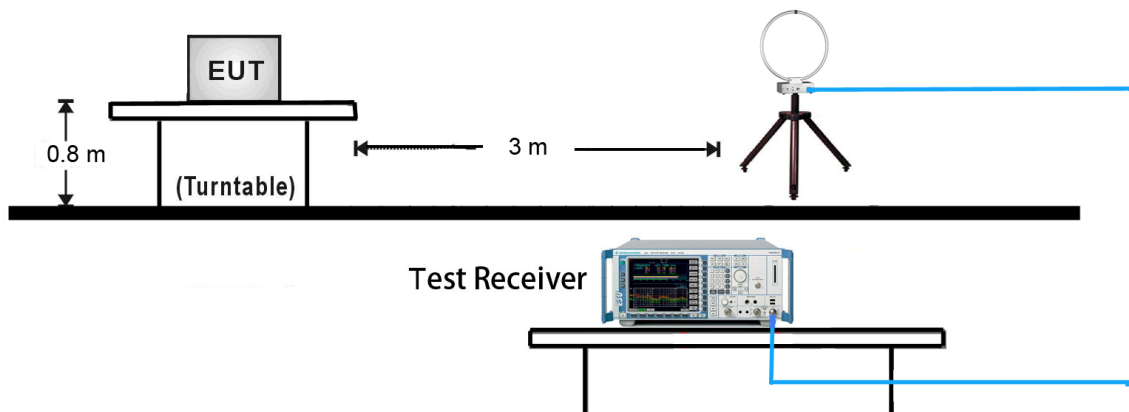
Sweep time = auto

Trace mode = max hold

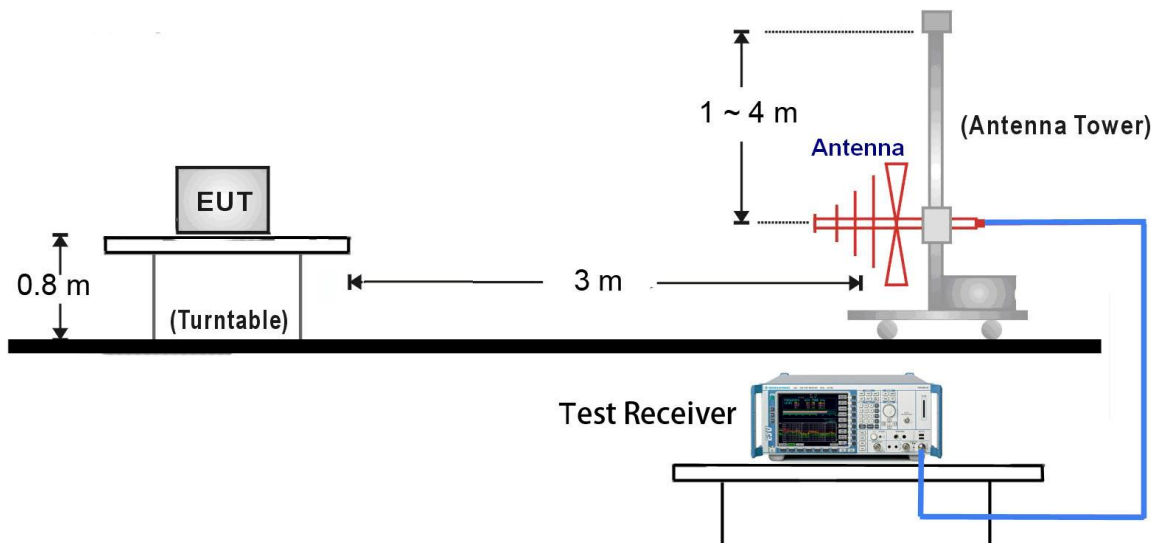
Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

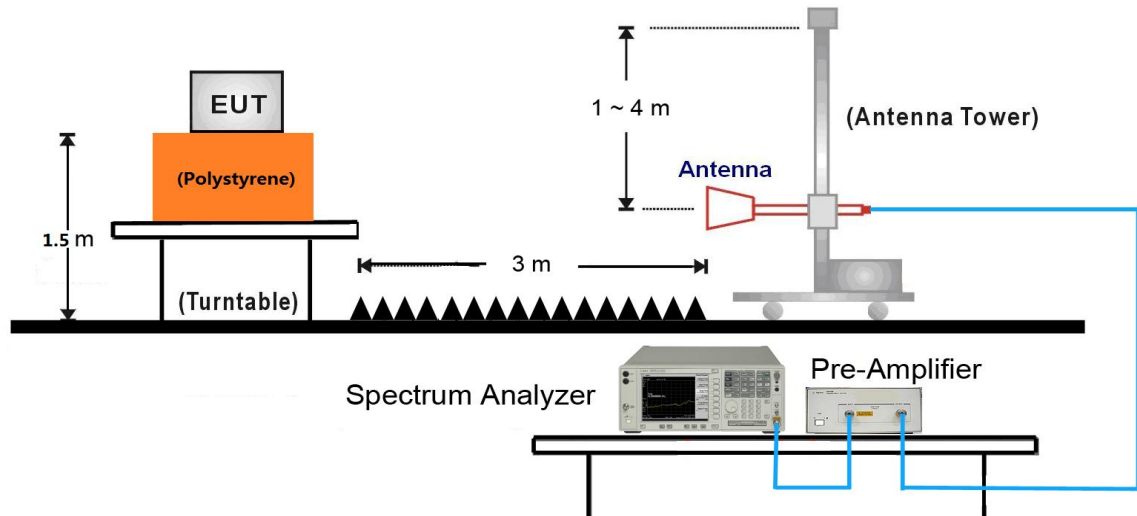
9kHz ~ 30MHz Test Setup:



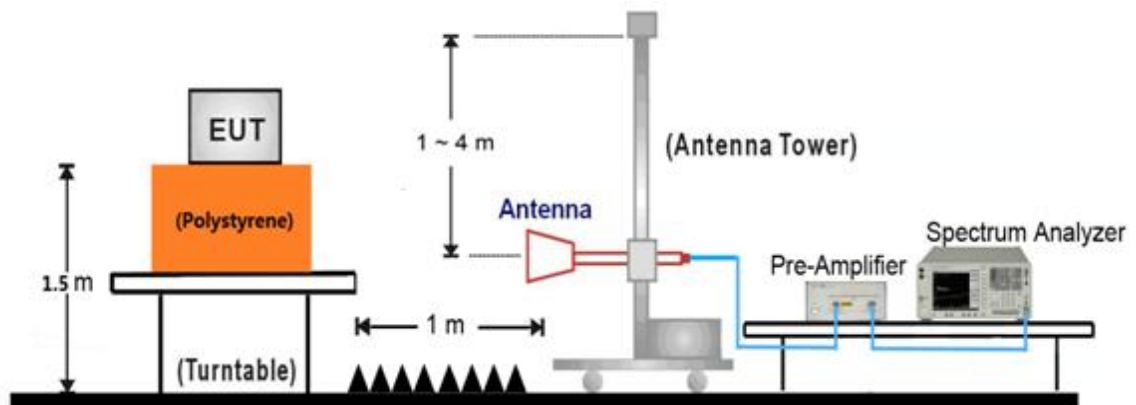
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.6.5. Test Result

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4009.0	35.8	0.4	36.2	74.0	-37.8	Peak	Horizontal
	4952.5	34.9	3.7	38.6	74.0	-35.4	Peak	Horizontal
*	6593.0	32.6	8.7	41.3	80.0	-38.7	Peak	Horizontal
*	8726.5	31.1	13.8	44.9	80.0	-35.1	Peak	Horizontal
	4034.5	35.1	0.5	35.6	74.0	-38.4	Peak	Vertical
	4808.0	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	6499.5	32.4	8.4	40.8	80.0	-39.2	Peak	Vertical
*	8769.0	31.2	13.9	45.1	80.0	-34.9	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3983.5	36.2	0.4	36.6	74.0	-37.4	Peak	Horizontal
	4969.5	34.6	3.7	38.3	74.0	-35.7	Peak	Horizontal
*	6406.0	33.2	7.7	40.9	81.2	-40.3	Peak	Horizontal
*	8701.0	30.3	13.8	44.1	81.2	-37.1	Peak	Horizontal
	4000.5	36.7	0.4	37.1	74.0	-36.9	Peak	Vertical
	4961.0	34.1	3.7	37.8	74.0	-36.2	Peak	Vertical
*	6397.5	33.6	7.7	41.3	81.2	-39.9	Peak	Vertical
*	8658.5	30.6	13.6	44.2	81.2	-37.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4136.5	35.7	0.9	36.6	74.0	-37.4	Peak	Horizontal
	4944.0	34.4	3.7	38.1	74.0	-35.9	Peak	Horizontal
*	6397.5	33.6	7.7	41.3	80.6	-39.3	Peak	Horizontal
*	8522.5	32.3	13.0	45.3	80.6	-35.3	Peak	Horizontal
	4017.5	35.5	0.4	35.9	74.0	-38.1	Peak	Vertical
	4850.5	34.4	3.7	38.1	74.0	-35.9	Peak	Vertical
*	6406.0	33.4	7.7	41.1	80.6	-39.5	Peak	Vertical
*	8743.5	30.3	13.9	44.2	80.6	-36.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.6dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4094.0	36.4	0.7	37.1	74.0	-36.9	Peak	Horizontal
	4944.0	34.0	3.7	37.7	74.0	-36.3	Peak	Horizontal
*	6678.0	32.9	8.7	41.6	82.9	-41.3	Peak	Horizontal
*	8514.0	31.5	12.9	44.4	82.9	-38.5	Peak	Horizontal
	4170.5	35.4	1.0	36.4	74.0	-37.6	Peak	Vertical
	4893.0	33.7	3.7	37.4	74.0	-36.6	Peak	Vertical
*	6576.0	33.0	8.6	41.6	82.9	-41.3	Peak	Vertical
*	8760.5	31.0	13.9	44.9	82.9	-38.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.9dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4247.0	36.5	1.3	37.8	74.0	-36.2	Peak	Horizontal
	4961.0	35.2	3.7	38.9	74.0	-35.1	Peak	Horizontal
*	6491.0	32.7	8.3	41.0	83.5	-42.5	Peak	Horizontal
*	7970.0	31.9	12.5	44.4	83.5	-39.1	Peak	Horizontal
	3983.5	36.1	0.4	36.5	74.0	-37.5	Peak	Vertical
	4731.5	33.7	3.6	37.3	74.0	-36.7	Peak	Vertical
*	6389.0	32.3	7.6	39.9	83.5	-43.6	Peak	Vertical
*	8760.5	30.8	13.9	44.7	83.5	-38.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	35.3	0.5	35.8	74.0	-38.2	Peak	Horizontal
	4816.5	34.3	3.7	38.0	74.0	-36.0	Peak	Horizontal
*	6550.5	32.6	8.6	41.2	82.2	-41.0	Peak	Horizontal
*	7936.0	32.9	12.4	45.3	82.2	-36.9	Peak	Horizontal
	3975.0	33.7	0.4	34.1	74.0	-39.9	Peak	Vertical
	4842.0	33.4	3.7	37.1	74.0	-36.9	Peak	Vertical
*	6712.0	32.8	8.7	41.5	82.2	-40.7	Peak	Vertical
*	8684.0	30.9	13.7	44.6	82.2	-37.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.2dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4170.5	34.8	1.0	35.8	74.0	-38.2	Peak	Horizontal
	4791.0	33.9	3.7	37.6	74.0	-36.4	Peak	Horizontal
*	6559.0	32.3	8.6	40.9	82.5	-41.6	Peak	Horizontal
*	7970.0	32.0	12.5	44.5	82.5	-38.0	Peak	Horizontal
	4051.5	35.6	0.5	36.1	74.0	-37.9	Peak	Vertical
	4935.5	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	6457.0	32.8	8.1	40.9	82.5	-41.6	Peak	Vertical
*	8811.5	30.3	14.0	44.3	82.5	-38.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4153.5	36.2	0.9	37.1	74.0	-36.9	Peak	Horizontal
	4867.5	33.9	3.7	37.6	74.0	-36.4	Peak	Horizontal
*	6491.0	33.4	8.3	41.7	84.1	-42.4	Peak	Horizontal
*	8726.5	30.7	13.8	44.5	84.1	-39.6	Peak	Horizontal
	3898.5	35.5	0.3	35.8	74.0	-38.2	Peak	Vertical
	4850.5	34.4	3.7	38.1	74.0	-35.9	Peak	Vertical
*	6661.0	33.6	8.7	42.3	84.1	-41.8	Peak	Vertical
*	8633.0	31.9	13.5	45.4	84.1	-38.7	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3864.5	35.8	0.3	36.1	74.0	-37.9	Peak	Horizontal
	4876.0	35.2	3.7	38.9	74.0	-35.1	Peak	Horizontal
*	6389.0	33.0	7.6	40.6	82.5	-41.9	Peak	Horizontal
*	8641.5	31.1	13.5	44.6	82.5	-37.9	Peak	Horizontal
	4034.5	34.7	0.5	35.2	74.0	-38.8	Peak	Vertical
	4697.5	35.0	3.6	38.6	74.0	-35.4	Peak	Vertical
*	5751.5	34.2	5.2	39.4	82.5	-43.1	Peak	Vertical
*	8505.5	31.4	12.9	44.3	82.5	-38.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4136.5	35.3	0.9	36.2	74.0	-37.8	Peak	Horizontal
	4978.0	34.1	3.8	37.9	74.0	-36.1	Peak	Horizontal
*	5811.0	33.9	5.5	39.4	78.5	-39.1	Peak	Horizontal
*	7902.0	32.2	12.4	44.6	78.5	-33.9	Peak	Horizontal
	3907.0	35.2	0.3	35.5	74.0	-38.5	Peak	Vertical
	4995.0	33.8	3.8	37.6	74.0	-36.4	Peak	Vertical
*	6414.5	33.0	7.8	40.8	78.5	-37.7	Peak	Vertical
*	8667.0	31.1	13.6	44.7	78.5	-33.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.5dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4026.0	35.6	0.5	36.1	74.0	-37.9	Peak	Horizontal
	4714.5	34.7	3.6	38.3	74.0	-35.7	Peak	Horizontal
*	6559.0	33.3	8.6	41.9	81.4	-39.5	Peak	Horizontal
*	8675.5	30.3	13.7	44.0	81.4	-37.4	Peak	Horizontal
	3907.0	35.4	0.3	35.7	74.0	-38.3	Peak	Vertical
	4748.5	35.0	3.7	38.7	74.0	-35.3	Peak	Vertical
*	6312.5	33.1	7.2	40.3	81.4	-41.1	Peak	Vertical
*	8726.5	30.5	13.8	44.3	81.4	-37.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.4dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3941.0	35.0	0.3	35.3	74.0	-38.7	Peak	Horizontal
	4706.0	35.9	3.6	39.5	74.0	-34.5	Peak	Horizontal
*	6686.5	32.8	8.7	41.5	78.3	-36.8	Peak	Horizontal
*	8879.5	30.3	14.0	44.3	78.3	-34.0	Peak	Horizontal
	4051.5	36.0	0.5	36.5	74.0	-37.5	Peak	Vertical
	4706.0	34.9	3.6	38.5	74.0	-35.5	Peak	Vertical
*	6533.5	33.0	8.5	41.5	78.3	-36.8	Peak	Vertical
*	8565.0	31.0	13.3	44.3	78.3	-34.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.3dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 2	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4162.0	34.6	1.0	35.6	74.0	-38.4	Peak	Horizontal
	4876.0	33.5	3.7	37.2	74.0	-36.8	Peak	Horizontal
*	5547.5	34.0	4.4	38.4	77.3	-38.9	Peak	Horizontal
*	7953.0	32.7	12.5	45.2	77.3	-32.1	Peak	Horizontal
	4043.0	36.5	0.5	37.0	74.0	-37.0	Peak	Vertical
	4791.0	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
*	6329.5	33.1	7.3	40.4	77.3	-36.9	Peak	Vertical
*	7936.0	32.5	12.4	44.9	77.3	-32.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.3dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 2	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	35.7	0.5	36.2	74.0	-37.8	Peak	Horizontal
	4731.5	34.0	3.6	37.6	74.0	-36.4	Peak	Horizontal
*	6508.0	32.5	8.4	40.9	80.0	-39.1	Peak	Horizontal
*	8692.5	30.5	13.7	44.2	80.0	-35.8	Peak	Horizontal
	4051.5	35.3	0.5	35.8	74.0	-38.2	Peak	Vertical
	4876.0	33.7	3.7	37.4	74.0	-36.6	Peak	Vertical
*	6627.0	33.0	8.7	41.7	80.0	-38.3	Peak	Vertical
*	8735.0	30.2	13.9	44.1	80.0	-35.9	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 2	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	35.2	0.5	35.7	74.0	-38.3	Peak	Horizontal
	4944.0	34.7	3.7	38.4	74.0	-35.6	Peak	Horizontal
*	6635.5	33.3	8.7	42.0	79.1	-37.1	Peak	Horizontal
*	8624.5	30.8	13.5	44.3	79.1	-34.8	Peak	Horizontal
	4017.5	35.1	0.4	35.5	74.0	-38.5	Peak	Vertical
	4757.0	33.8	3.7	37.5	74.0	-36.5	Peak	Vertical
*	6533.5	32.0	8.5	40.5	79.1	-38.6	Peak	Vertical
*	8709.5	31.4	13.8	45.2	79.1	-33.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 2	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	35.1	0.5	35.6	74.0	-38.4	Peak	Horizontal
	4714.5	34.7	3.6	38.3	74.0	-35.7	Peak	Horizontal
*	6406.0	33.0	7.7	40.7	80.1	-39.4	Peak	Horizontal
*	8667.0	30.6	13.6	44.2	80.1	-35.9	Peak	Horizontal
	4034.5	35.9	0.5	36.4	74.0	-37.6	Peak	Vertical
	4952.5	34.3	3.7	38.0	74.0	-36.0	Peak	Vertical
*	6516.5	33.0	8.5	41.5	80.1	-38.6	Peak	Vertical
*	8743.5	30.6	13.9	44.5	80.1	-35.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.1dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 2	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4162.0	35.3	1.0	36.3	74.0	-37.7	Peak	Horizontal
	4765.5	34.5	3.7	38.2	74.0	-35.8	Peak	Horizontal
*	6610.0	32.8	8.7	41.5	80.8	-39.3	Peak	Horizontal
*	8692.5	31.1	13.7	44.8	80.8	-36.0	Peak	Horizontal
	4085.5	36.3	0.7	37.0	74.0	-37.0	Peak	Vertical
	4901.5	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
*	6712.0	33.2	8.7	41.9	80.8	-38.9	Peak	Vertical
*	8828.5	30.9	14.0	44.9	80.8	-35.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.8dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 2	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	35.9	0.5	36.4	74.0	-37.6	Peak	Horizontal
	4910.0	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	6380.5	33.1	7.6	40.7	80.8	-40.1	Peak	Horizontal
*	7910.5	31.2	12.4	43.6	80.8	-37.2	Peak	Horizontal
	4111.0	35.3	0.8	36.1	74.0	-37.9	Peak	Vertical
	4876.0	34.7	3.7	38.4	74.0	-35.6	Peak	Vertical
*	6618.5	34.0	8.7	42.7	80.8	-38.1	Peak	Vertical
*	8616.0	30.7	13.5	44.2	80.8	-36.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.8dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4094.0	35.0	0.7	35.7	74.0	-38.3	Peak	Horizontal
	4740.0	35.2	3.6	38.8	74.0	-35.2	Peak	Horizontal
*	6686.5	32.6	8.7	41.3	80.0	-38.7	Peak	Horizontal
*	8616.0	31.1	13.5	44.6	80.0	-35.4	Peak	Horizontal
	4119.5	35.5	0.8	36.3	74.0	-37.7	Peak	Vertical
	4961.0	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
*	6457.0	33.3	8.1	41.4	80.0	-38.6	Peak	Vertical
*	8624.5	32.8	13.5	46.3	80.0	-33.7	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	35.6	0.5	36.1	74.0	-37.9	Peak	Horizontal
	4697.5	35.3	3.6	38.9	74.0	-35.1	Peak	Horizontal
*	6610.0	32.2	8.7	40.9	81.2	-40.3	Peak	Horizontal
*	8735.0	31.0	13.9	44.9	81.2	-36.3	Peak	Horizontal
	3864.5	34.5	0.3	34.8	74.0	-39.2	Peak	Vertical
	4765.5	33.2	3.7	36.9	74.0	-37.1	Peak	Vertical
*	6627.0	32.1	8.7	40.8	81.2	-40.4	Peak	Vertical
*	8573.5	30.0	13.3	43.3	81.2	-37.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	35.5	0.5	36.0	74.0	-38.0	Peak	Horizontal
	4850.5	34.2	3.7	37.9	74.0	-36.1	Peak	Horizontal
*	5828.0	34.6	5.6	40.2	80.4	-40.2	Peak	Horizontal
*	8820.0	29.9	14.0	43.9	80.4	-36.5	Peak	Horizontal
	4026.0	35.4	0.5	35.9	74.0	-38.1	Peak	Vertical
	4791.0	34.3	3.7	38.0	74.0	-36.0	Peak	Vertical
*	6448.5	33.1	8.0	41.1	80.4	-39.3	Peak	Vertical
*	8760.5	31.0	13.9	44.9	80.4	-35.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	35.1	0.6	35.7	74.0	-38.3	Peak	Horizontal
	4748.5	34.4	3.7	38.1	74.0	-35.9	Peak	Horizontal
*	6440.0	33.1	8.0	41.1	75.7	-34.6	Peak	Horizontal
*	8641.5	30.4	13.5	43.9	75.7	-31.8	Peak	Horizontal
	4017.5	35.4	0.4	35.8	74.0	-38.2	Peak	Vertical
	4680.5	34.6	3.5	38.1	74.0	-35.9	Peak	Vertical
*	6593.0	32.2	8.7	40.9	75.7	-34.8	Peak	Vertical
*	8743.5	30.6	13.9	44.5	75.7	-31.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.7dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3949.5	35.7	0.3	36.0	74.0	-38.0	Peak	Horizontal
	4706.0	34.0	3.6	37.6	74.0	-36.4	Peak	Horizontal
*	6448.5	33.5	8.0	41.5	77.4	-35.9	Peak	Horizontal
*	8828.5	29.9	14.0	43.9	77.4	-33.5	Peak	Horizontal
	4094.0	35.6	0.7	36.3	74.0	-37.7	Peak	Vertical
	4876.0	34.1	3.7	37.8	74.0	-36.2	Peak	Vertical
*	6448.5	32.2	8.0	40.2	77.4	-37.2	Peak	Vertical
*	8828.5	30.9	14.0	44.9	77.4	-32.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.4dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4009.0	35.3	0.4	35.7	74.0	-38.3	Peak	Horizontal
	4757.0	33.9	3.7	37.6	74.0	-36.4	Peak	Horizontal
*	6491.0	32.9	8.3	41.2	77.0	-35.8	Peak	Horizontal
*	8837.0	29.8	14.0	43.8	77.0	-33.2	Peak	Horizontal
	4111.0	35.8	0.8	36.6	74.0	-37.4	Peak	Vertical
	4944.0	34.8	3.7	38.5	74.0	-35.5	Peak	Vertical
*	6508.0	32.4	8.4	40.8	77.0	-36.2	Peak	Vertical
*	8718.0	30.0	13.8	43.8	77.0	-33.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.0dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1 + 2 (CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4026.0	35.6	0.5	36.1	74.0	-37.9	Peak	Horizontal
	4816.5	33.3	3.7	37.0	74.0	-37.0	Peak	Horizontal
*	6440.0	33.1	8.0	41.1	81.9	-40.8	Peak	Horizontal
*	8701.0	30.4	13.8	44.2	81.9	-37.7	Peak	Horizontal
	4034.5	35.1	0.5	35.6	74.0	-38.4	Peak	Vertical
	4740.0	34.0	3.6	37.6	74.0	-36.4	Peak	Vertical
*	6406.0	33.0	7.7	40.7	81.9	-41.2	Peak	Vertical
*	8828.5	30.9	14.0	44.9	81.9	-37.0	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1 + 2 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3992.0	35.4	0.4	35.8	74.0	-38.2	Peak	Horizontal
	4714.5	34.0	3.6	37.6	74.0	-36.4	Peak	Horizontal
*	6355.0	32.8	7.5	40.3	83.9	-43.6	Peak	Horizontal
*	8837.0	30.6	14.0	44.6	83.9	-39.3	Peak	Horizontal
	4094.0	34.8	0.7	35.5	74.0	-38.5	Peak	Vertical
	4748.5	34.9	3.7	38.6	74.0	-35.4	Peak	Vertical
*	6533.5	32.7	8.5	41.2	83.9	-42.7	Peak	Vertical
*	8684.0	31.0	13.7	44.7	83.9	-39.2	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11b - Ant 1 + 2 (CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3915.5	35.1	0.3	35.4	74.0	-38.6	Peak	Horizontal
	4859.0	32.7	3.7	36.4	74.0	-37.6	Peak	Horizontal
*	6516.5	32.5	8.5	41.0	83.7	-42.7	Peak	Horizontal
*	8675.5	31.1	13.7	44.8	83.7	-38.9	Peak	Horizontal
	4051.5	36.3	0.5	36.8	74.0	-37.2	Peak	Vertical
	4995.0	34.9	3.8	38.7	74.0	-35.3	Peak	Vertical
*	6372.0	33.7	7.5	41.2	83.7	-42.5	Peak	Vertical
*	8684.0	31.5	13.7	45.2	83.7	-38.5	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1 + 2 (CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4128.0	35.6	0.8	36.4	74.0	-37.6	Peak	Horizontal
	4935.5	33.7	3.7	37.4	74.0	-36.6	Peak	Horizontal
*	6559.0	32.5	8.6	41.1	84.7	-43.6	Peak	Horizontal
*	8624.5	31.3	13.5	44.8	84.7	-39.9	Peak	Horizontal
	4034.5	36.0	0.5	36.5	74.0	-37.5	Peak	Vertical
	4961.0	34.9	3.7	38.6	74.0	-35.4	Peak	Vertical
*	6576.0	32.3	8.6	40.9	84.7	-43.8	Peak	Vertical
*	8573.5	30.6	13.3	43.9	84.7	-40.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1 + 2 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4017.5	35.0	0.4	35.4	74.0	-38.6	Peak	Horizontal
	4748.5	34.5	3.7	38.2	74.0	-35.8	Peak	Horizontal
*	6448.5	33.8	8.0	41.8	86.0	-44.2	Peak	Horizontal
*	8794.5	31.2	13.9	45.1	86.0	-40.9	Peak	Horizontal
	3898.5	35.4	0.3	35.7	74.0	-38.3	Peak	Vertical
	4901.5	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	6508.0	31.9	8.4	40.3	86.0	-45.7	Peak	Vertical
*	8692.5	31.0	13.7	44.7	86.0	-41.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.0dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11g - Ant 1 + 2 (CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3924.0	35.5	0.3	35.8	74.0	-38.2	Peak	Horizontal
	4697.5	34.3	3.6	37.9	74.0	-36.1	Peak	Horizontal
*	6414.5	33.7	7.8	41.5	85.9	-44.4	Peak	Horizontal
*	8556.5	31.4	13.2	44.6	85.9	-41.3	Peak	Horizontal
	3975.0	35.4	0.4	35.8	74.0	-38.2	Peak	Vertical
	4961.0	35.0	3.7	38.7	74.0	-35.3	Peak	Vertical
*	6363.5	33.6	7.5	41.1	85.9	-44.8	Peak	Vertical
*	8650.0	30.5	13.6	44.1	85.9	-41.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.9dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4026.0	35.8	0.5	36.3	74.0	-37.7	Peak	Horizontal
	4723.0	33.8	3.6	37.4	74.0	-36.6	Peak	Horizontal
*	6406.0	32.9	7.7	40.6	83.8	-43.2	Peak	Horizontal
*	8692.5	30.5	13.7	44.2	83.8	-39.6	Peak	Horizontal
	4034.5	35.8	0.5	36.3	74.0	-37.7	Peak	Vertical
	4774.0	34.2	3.7	37.9	74.0	-36.1	Peak	Vertical
*	6610.0	32.0	8.7	40.7	83.8	-43.1	Peak	Vertical
*	7978.5	31.4	12.5	43.9	83.8	-39.9	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4128.0	35.2	0.8	36.0	74.0	-38.0	Peak	Horizontal
	4969.5	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	6321.0	33.4	7.3	40.7	84.7	-44.0	Peak	Horizontal
*	8650.0	31.6	13.6	45.2	84.7	-39.5	Peak	Horizontal
	4077.0	35.7	0.6	36.3	74.0	-37.7	Peak	Vertical
	4859.0	33.8	3.7	37.5	74.0	-36.5	Peak	Vertical
*	6508.0	32.7	8.4	41.1	84.7	-43.6	Peak	Vertical
*	8718.0	31.1	13.8	44.9	84.7	-39.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (CDD Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3898.5	35.4	0.3	35.7	74.0	-38.3	Peak	Horizontal
	4952.5	33.7	3.7	37.4	74.0	-36.6	Peak	Horizontal
*	6737.5	33.3	8.8	42.1	84.4	-42.3	Peak	Horizontal
*	8964.5	30.4	14.1	44.5	84.4	-39.9	Peak	Horizontal
	3890.0	35.3	0.3	35.6	74.0	-38.4	Peak	Vertical
	4748.5	34.3	3.7	38.0	74.0	-36.0	Peak	Vertical
*	6635.5	32.9	8.7	41.6	84.4	-42.8	Peak	Vertical
*	8896.5	29.7	14.0	43.7	84.4	-40.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.4dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3958.0	35.9	0.3	36.2	74.0	-37.8	Peak	Horizontal
	4935.5	33.5	3.7	37.2	74.0	-36.8	Peak	Horizontal
*	6389.0	33.1	7.6	40.7	80.1	-39.4	Peak	Horizontal
*	8709.5	29.9	13.8	43.7	80.1	-36.4	Peak	Horizontal
	4026.0	35.5	0.5	36.0	74.0	-38.0	Peak	Vertical
	4706.0	34.6	3.6	38.2	74.0	-35.8	Peak	Vertical
*	6618.5	32.8	8.7	41.5	80.1	-38.6	Peak	Vertical
*	8896.5	30.2	14.0	44.2	80.1	-35.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.1dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3949.5	35.0	0.3	35.3	74.0	-38.7	Peak	Horizontal
	4782.5	34.7	3.7	38.4	74.0	-35.6	Peak	Horizontal
*	6686.5	33.0	8.7	41.7	80.5	-38.8	Peak	Horizontal
*	8905.0	30.9	14.0	44.9	80.5	-35.6	Peak	Horizontal
	4026.0	35.1	0.5	35.6	74.0	-38.4	Peak	Vertical
	4842.0	34.8	3.7	38.5	74.0	-35.5	Peak	Vertical
*	6355.0	33.4	7.5	40.9	80.5	-39.6	Peak	Vertical
*	8837.0	30.9	14.0	44.9	80.5	-35.6	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (CDD Mode)	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	34.8	0.5	35.3	74.0	-38.7	Peak	Horizontal
	4774.0	33.6	3.7	37.3	74.0	-36.7	Peak	Horizontal
*	6848.0	33.0	9.4	42.4	80.2	-37.8	Peak	Horizontal
*	8633.0	31.3	13.5	44.8	80.2	-35.4	Peak	Horizontal
	4119.5	36.1	0.8	36.9	74.0	-37.1	Peak	Vertical
	4884.5	34.1	3.7	37.8	74.0	-36.2	Peak	Vertical
*	6380.5	33.1	7.6	40.7	80.2	-39.5	Peak	Vertical
*	8803.0	29.7	14.0	43.7	80.2	-36.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.2dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	35.4	0.5	35.9	74.0	-38.1	Peak	Horizontal
	4774.0	34.8	3.7	38.5	74.0	-35.5	Peak	Horizontal
*	6542.0	33.0	8.6	41.6	83.4	-41.8	Peak	Horizontal
*	8616.0	30.7	13.5	44.2	83.4	-39.2	Peak	Horizontal
	4034.5	35.5	0.5	36.0	74.0	-38.0	Peak	Vertical
	4927.0	33.7	3.7	37.4	74.0	-36.6	Peak	Vertical
*	6474.0	32.3	8.2	40.5	83.4	-42.9	Peak	Vertical
*	8684.0	30.8	13.7	44.5	83.4	-38.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.4dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	35.1	0.5	35.6	74.0	-38.4	Peak	Horizontal
	4757.0	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	6423.0	33.3	7.8	41.1	85.6	-44.5	Peak	Horizontal
*	8794.5	31.3	13.9	45.2	85.6	-40.4	Peak	Horizontal
	4034.5	35.2	0.5	35.7	74.0	-38.3	Peak	Vertical
	4748.5	34.1	3.7	37.8	74.0	-36.2	Peak	Vertical
*	6652.5	32.9	8.7	41.6	85.6	-44.0	Peak	Vertical
*	8913.5	31.5	14.0	45.5	85.6	-40.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.6dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3992.0	34.8	0.4	35.2	74.0	-38.8	Peak	Horizontal
	4740.0	34.7	3.6	38.3	74.0	-35.7	Peak	Horizontal
*	6610.0	32.9	8.7	41.6	83.5	-41.9	Peak	Horizontal
*	8709.5	31.3	13.8	45.1	83.5	-38.4	Peak	Horizontal
	4111.0	35.0	0.8	35.8	74.0	-38.2	Peak	Vertical
	4893.0	35.0	3.7	38.7	74.0	-35.3	Peak	Vertical
*	6610.0	33.0	8.7	41.7	83.5	-41.8	Peak	Vertical
*	8650.0	31.2	13.6	44.8	83.5	-38.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4102.5	35.4	0.7	36.1	74.0	-37.9	Peak	Horizontal
	4748.5	34.2	3.7	37.9	74.0	-36.1	Peak	Horizontal
*	6406.0	34.1	7.7	41.8	79.1	-37.3	Peak	Horizontal
*	8837.0	31.0	14.0	45.0	79.1	-34.1	Peak	Horizontal
	4034.5	35.4	0.5	35.9	74.0	-38.1	Peak	Vertical
	4918.5	33.5	3.7	37.2	74.0	-36.8	Peak	Vertical
*	6542.0	32.2	8.6	40.8	79.1	-38.3	Peak	Vertical
*	8760.5	30.6	13.9	44.5	79.1	-34.6	Peak	Vertical

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

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	34.8	0.5	35.3	74.0	-38.7	Peak	Horizontal
	4774.0	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	6465.5	33.3	8.1	41.4	82.3	-40.9	Peak	Horizontal
*	8650.0	30.7	13.6	44.3	82.3	-38.0	Peak	Horizontal
	4026.0	35.7	0.5	36.2	74.0	-37.8	Peak	Vertical
	4757.0	34.9	3.7	38.6	74.0	-35.4	Peak	Vertical
*	6457.0	32.5	8.1	40.6	82.3	-41.7	Peak	Vertical
*	8845.5	29.9	14.0	43.9	82.3	-38.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.3dBμV/m) or 15.209 which is higher.

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

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

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2017/08/03
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	34.9	0.5	35.4	74.0	-38.6	Peak	Horizontal
	4748.5	34.3	3.7	38.0	74.0	-36.0	Peak	Horizontal
*	6533.5	32.5	8.5	41.0	79.5	-38.5	Peak	Horizontal
*	8616.0	31.3	13.5	44.8	79.5	-34.7	Peak	Horizontal
	4026.0	35.1	0.5	35.6	74.0	-38.4	Peak	Vertical
	4723.0	34.6	3.6	38.2	74.0	-35.8	Peak	Vertical
*	6627.0	31.8	8.7	40.5	79.5	-39.0	Peak	Vertical
*	8505.5	31.6	12.9	44.5	79.5	-35.0	Peak	Vertical

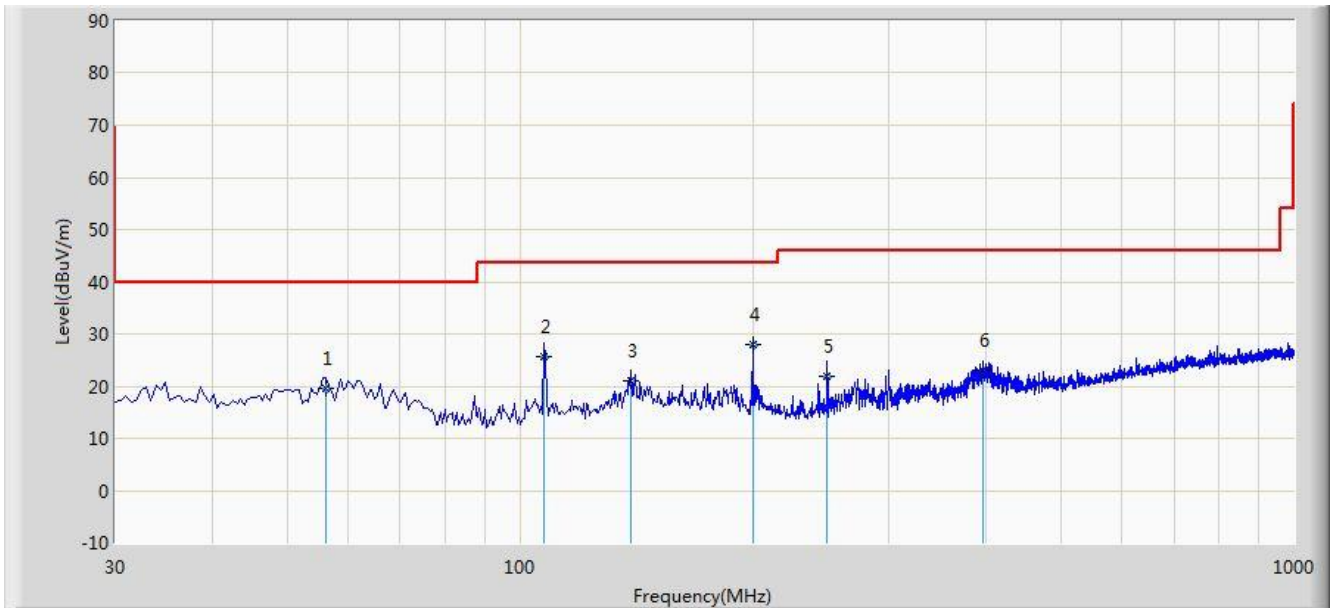
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.5dBμV/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/08/03 - 18:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



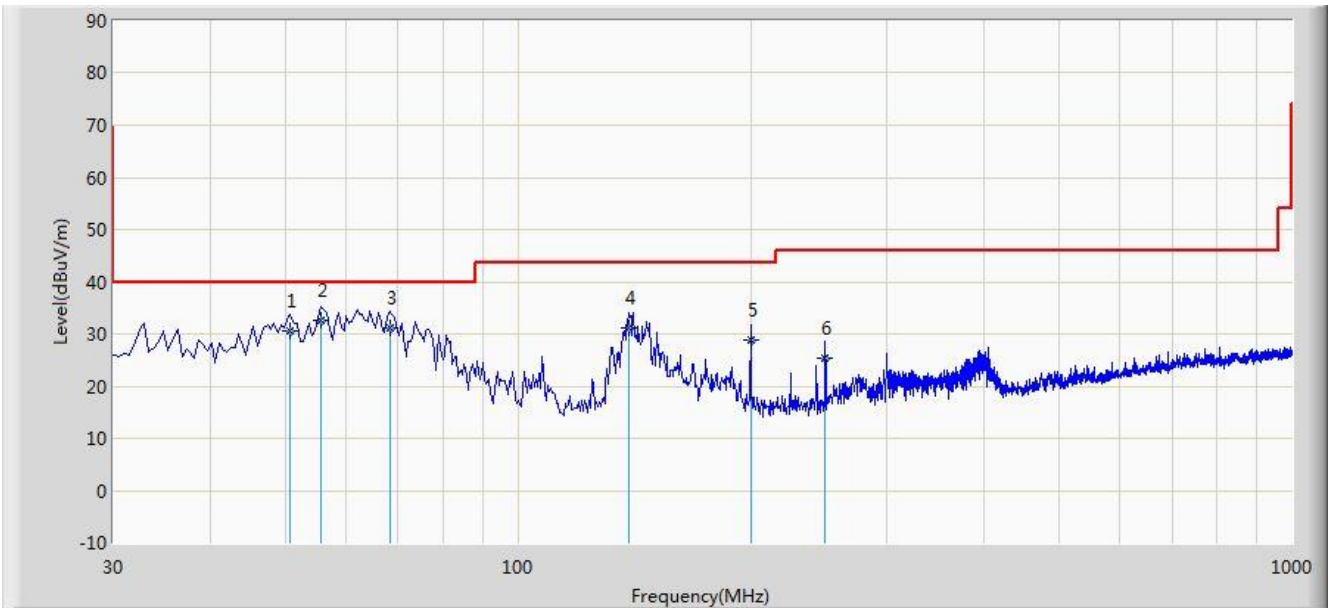
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			56.190	19.583	5.950	-20.417	40.000	13.633	QP
2			107.600	25.680	13.940	-17.820	43.500	11.740	QP
3			139.125	20.962	6.540	-22.538	43.500	14.422	QP
4		*	199.750	27.941	16.830	-15.559	43.500	11.111	QP
5			249.705	21.791	8.870	-24.209	46.000	12.921	QP
6			396.660	22.977	6.550	-23.023	46.000	16.427	QP

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

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

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

Site: AC1	Time: 2017/08/03 - 18:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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			50.855	30.538	16.550	-9.462	40.000	13.987	QP
2		*	55.705	32.586	18.920	-7.414	40.000	13.667	QP
3			68.315	31.087	19.280	-8.913	40.000	11.808	QP
4			139.125	31.272	16.850	-12.228	43.500	14.422	QP
5			199.750	28.761	17.650	-14.739	43.500	11.111	QP
6			249.705	25.241	12.320	-20.759	46.000	12.921	QP

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

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

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

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

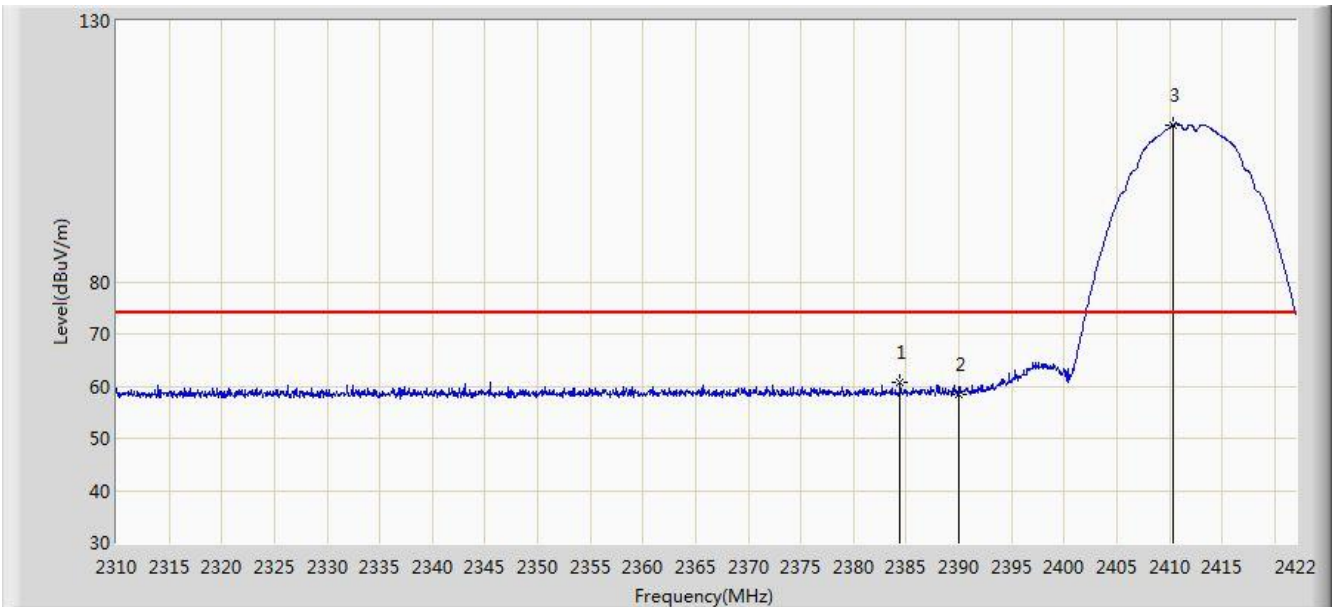
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
¹ 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.25 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5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

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

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

7.7.2.Test Result

Site: AC1	Time: 2017/08/03 - 14:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

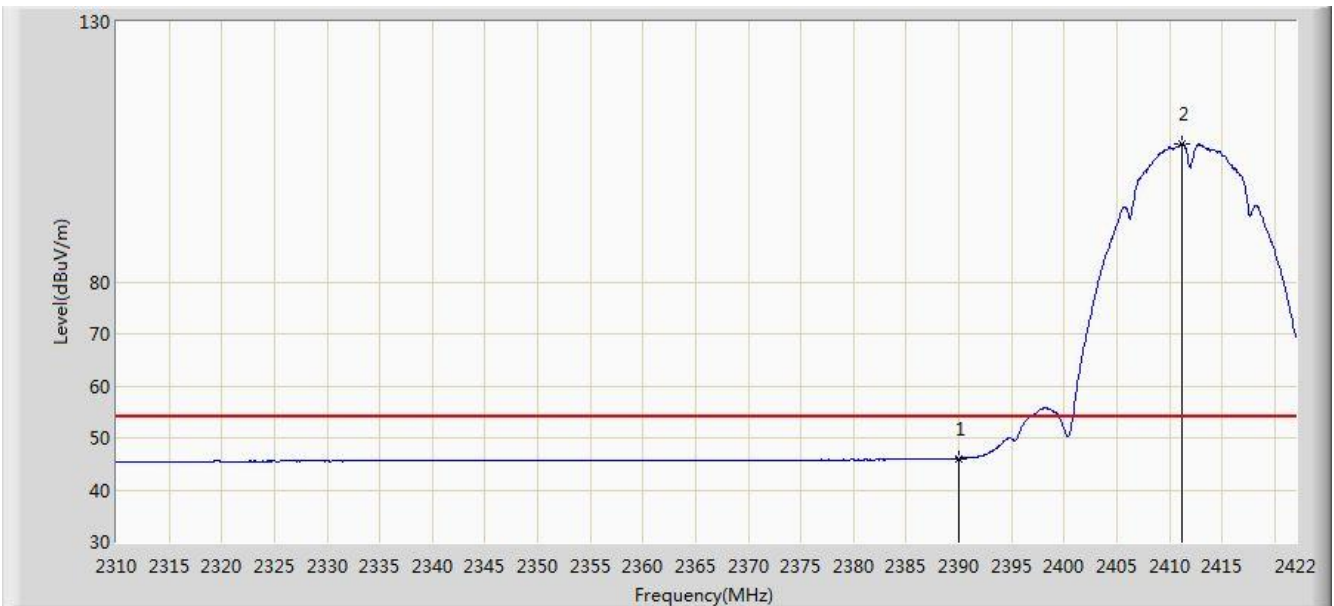


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2384.424	60.670	28.652	-13.330	74.000	32.018	PK
2			2390.000	58.548	26.508	-15.452	74.000	32.040	PK
3		*	2410.352	109.993	77.872	N/A	N/A	32.121	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

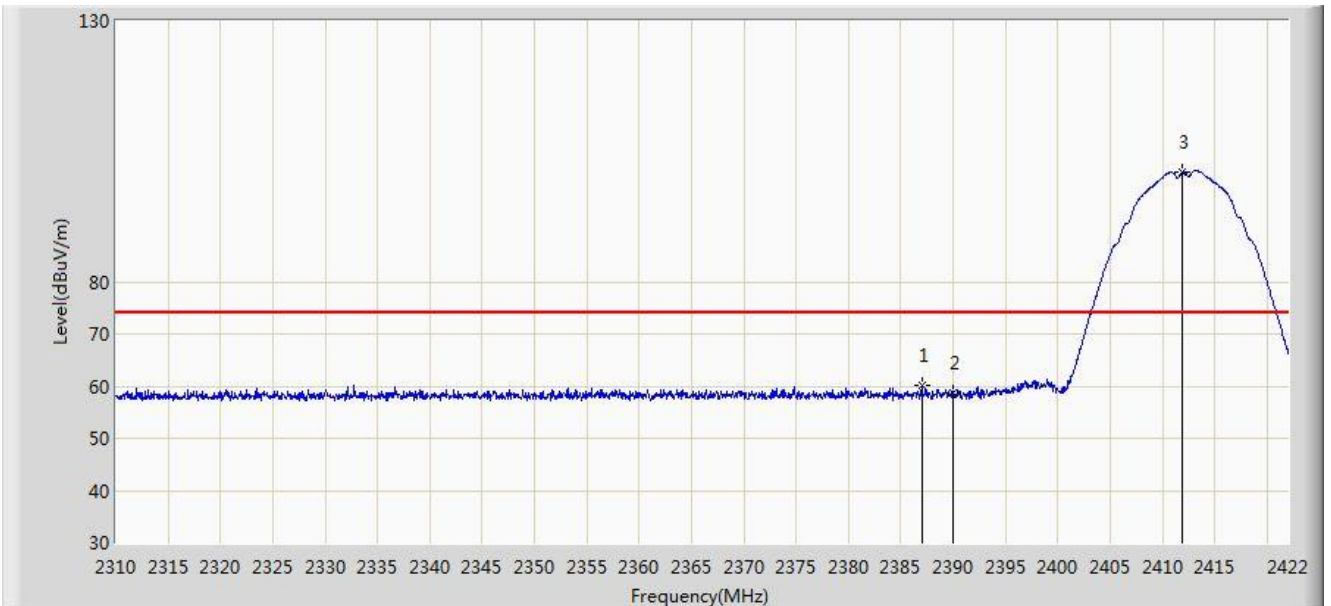


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.073	14.033	-7.927	54.000	32.040	AV
2		*	2411.192	106.593	74.468	N/A	N/A	32.125	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

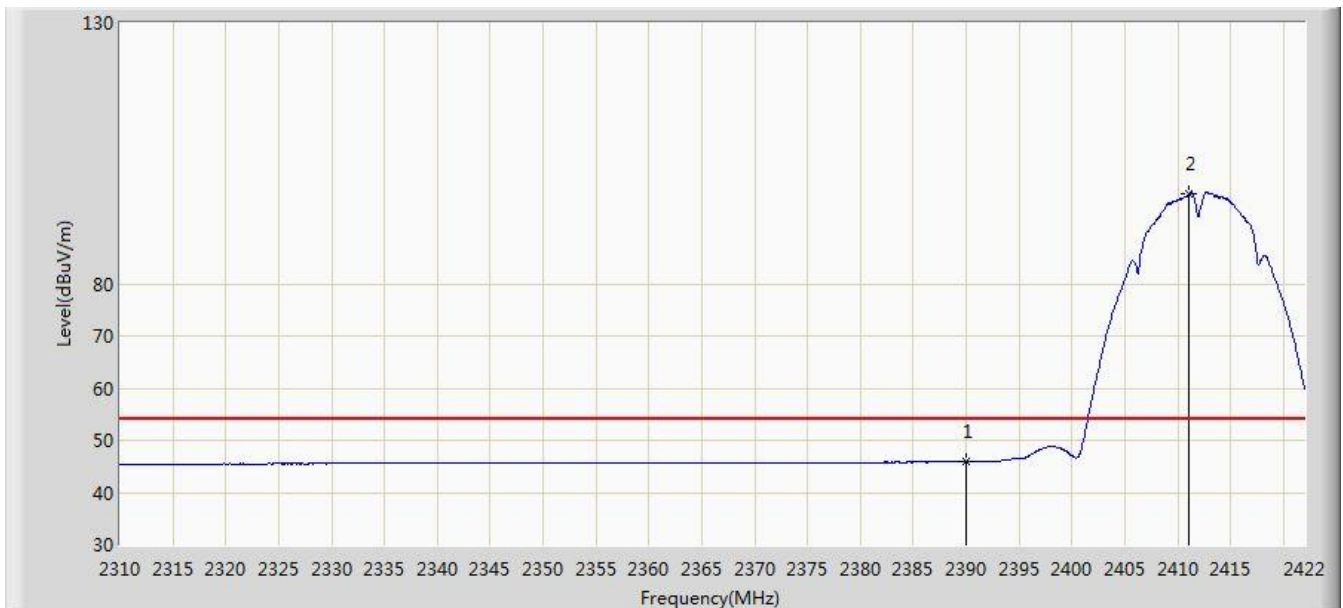


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.000	60.070	28.042	-13.930	74.000	32.028	PK
2			2390.000	58.728	26.688	-15.272	74.000	32.040	PK
3		*	2411.920	101.049	68.922	N/A	N/A	32.128	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

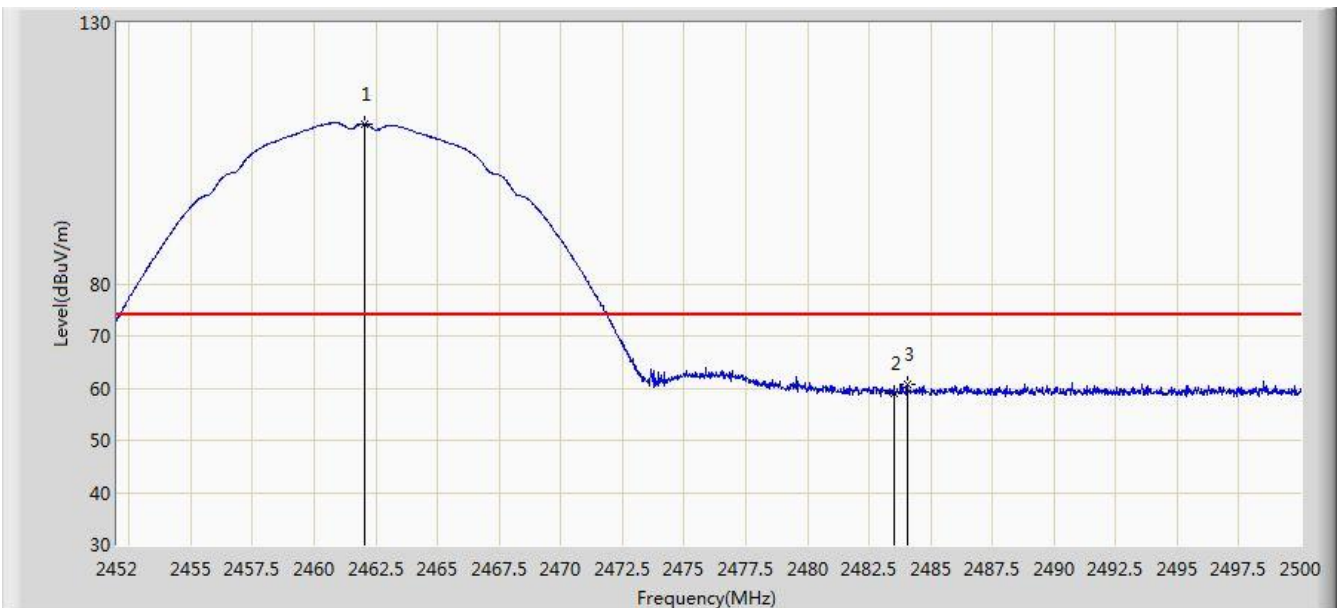


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.889	13.849	-8.111	54.000	32.040	AV
2		*	2411.080	97.324	65.200	N/A	N/A	32.124	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2462.056	110.626	78.297	N/A	N/A	32.328	PK
2			2483.500	58.989	26.575	-15.011	74.000	32.414	PK
3			2484.040	60.645	28.229	-13.355	74.000	32.416	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

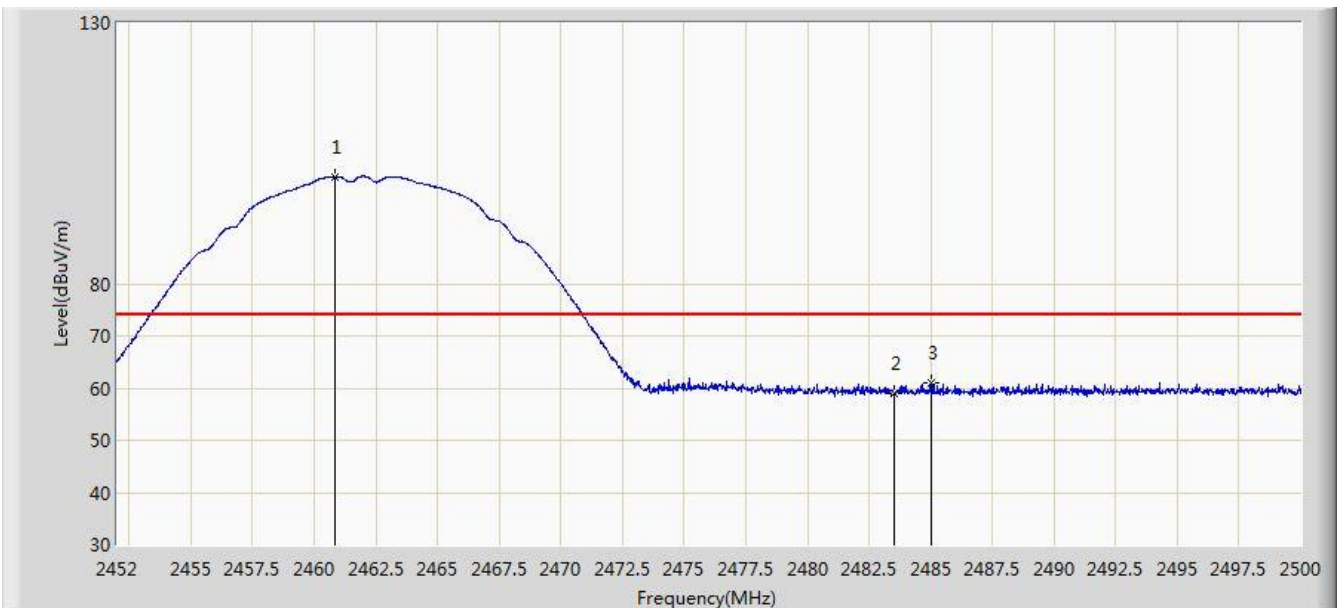


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.120	107.505	75.180	N/A	N/A	32.325	AV
2			2483.500	46.736	14.322	-7.264	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2460.856	100.520	68.196	N/A	N/A	32.324	PK
2			2483.500	59.078	26.664	-14.922	74.000	32.414	PK
3			2485.000	60.969	28.549	-13.031	74.000	32.420	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

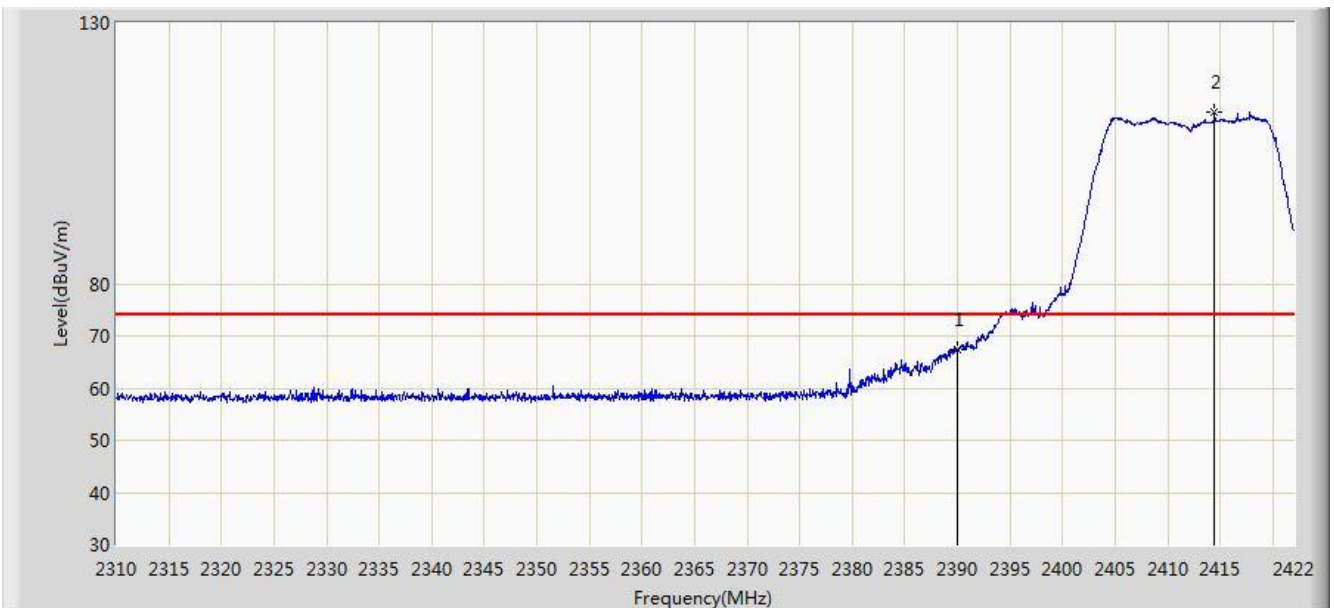


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.096	97.001	64.676	N/A	N/A	32.324	AV
2			2483.500	46.334	13.920	-7.666	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

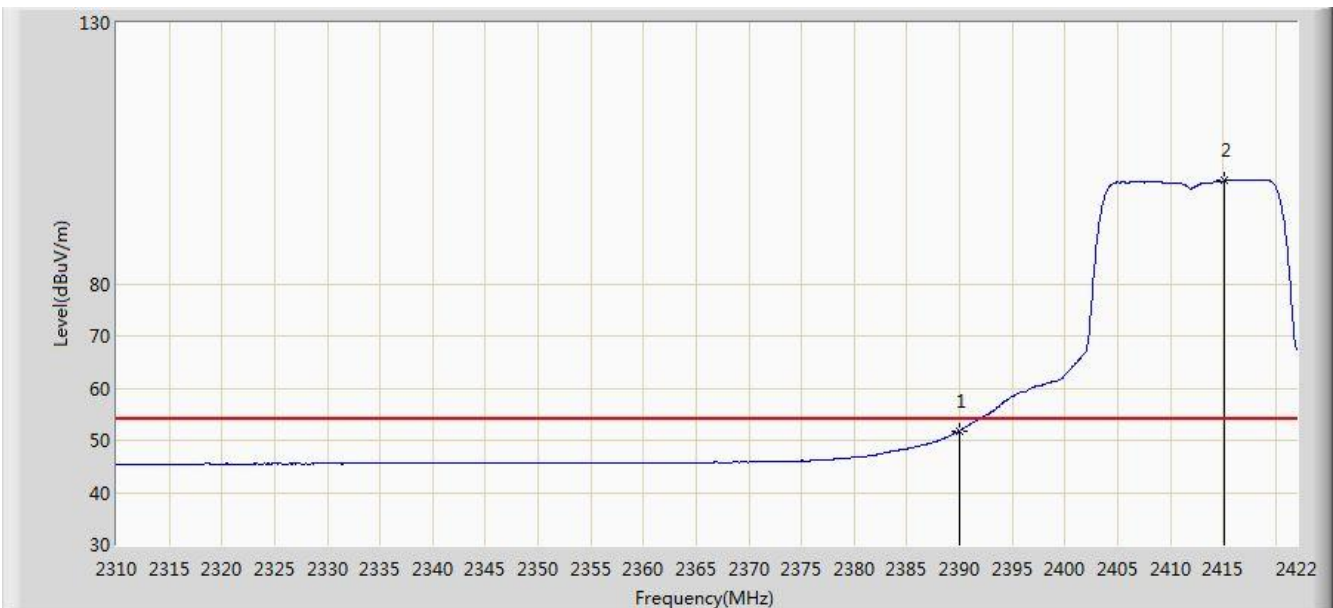


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	67.418	35.378	-6.582	74.000	32.040	PK
2		*	2414.440	112.944	80.807	N/A	N/A	32.138	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

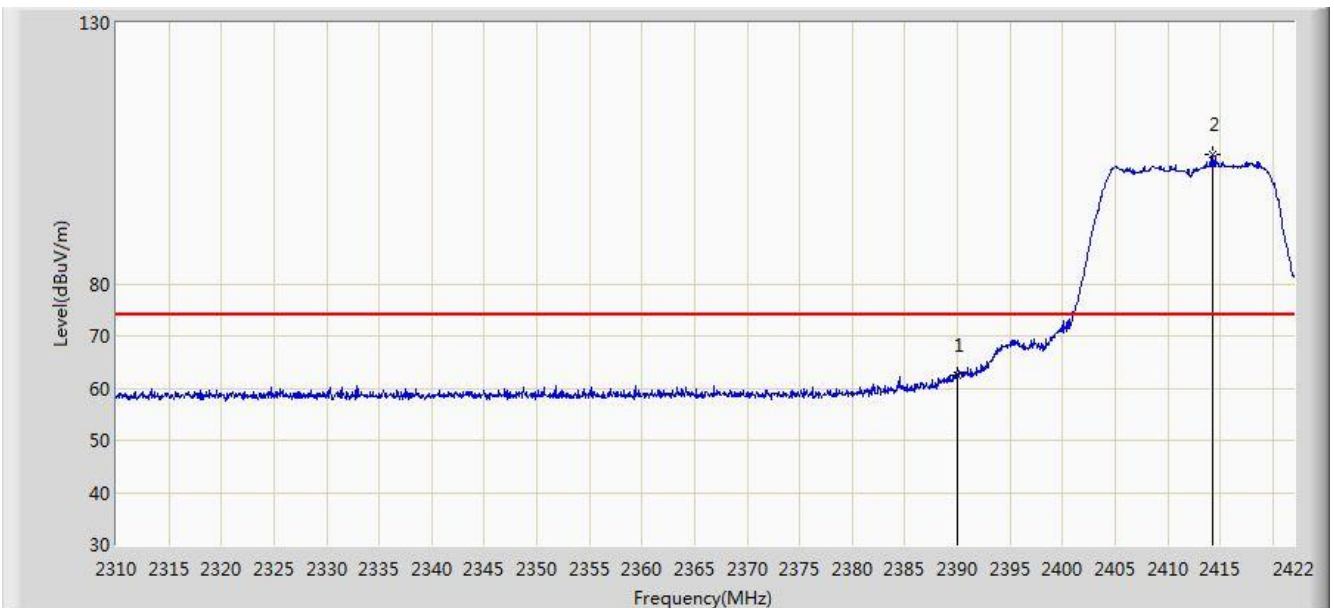


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.844	19.804	-2.156	54.000	32.040	AV
2		*	2415.168	99.724	67.584	N/A	N/A	32.141	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

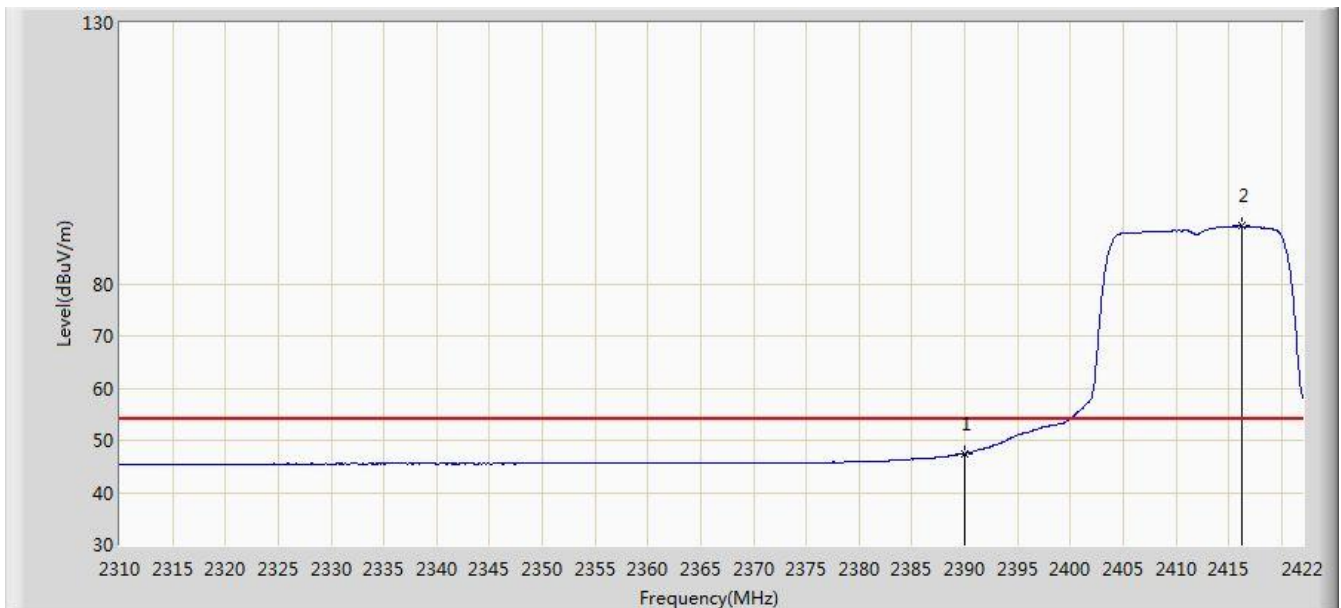


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	62.439	30.399	-11.561	74.000	32.040	PK
2		*	2414.272	104.700	72.563	N/A	N/A	32.137	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

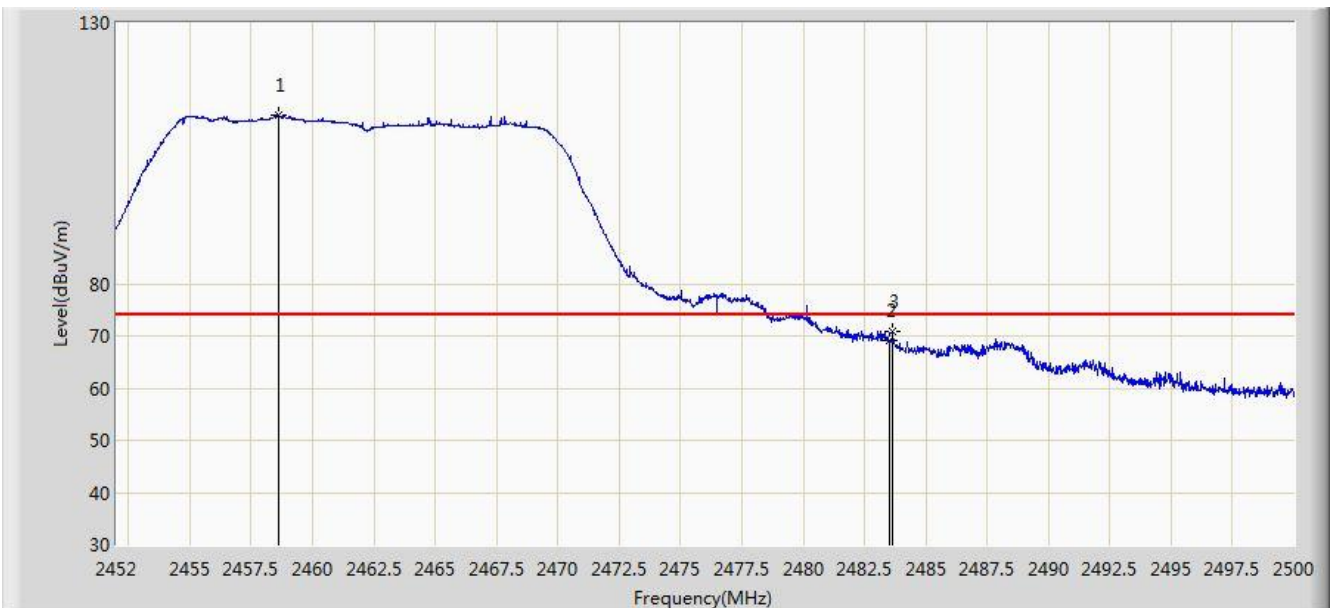


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.505	15.465	-6.495	54.000	32.040	AV
2		*	2416.176	91.030	58.886	N/A	N/A	32.144	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

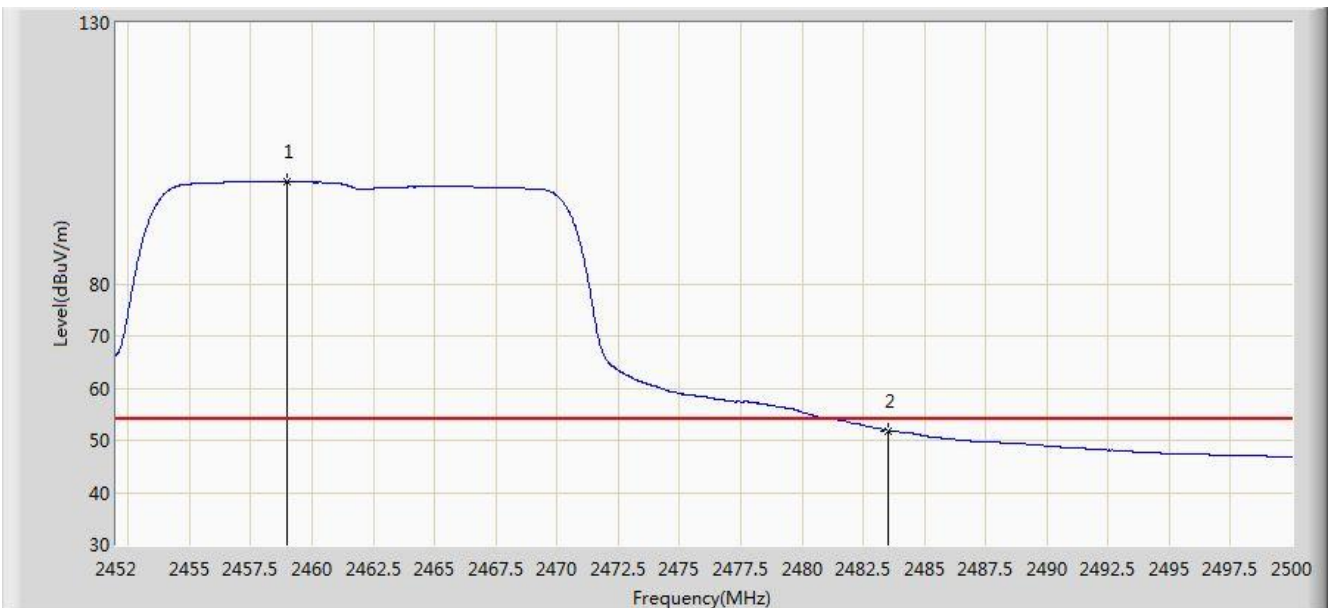


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.624	112.190	79.875	N/A	N/A	32.314	PK
2			2483.500	69.174	36.760	-4.826	74.000	32.414	PK
3			2483.656	70.768	38.353	-3.232	74.000	32.415	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

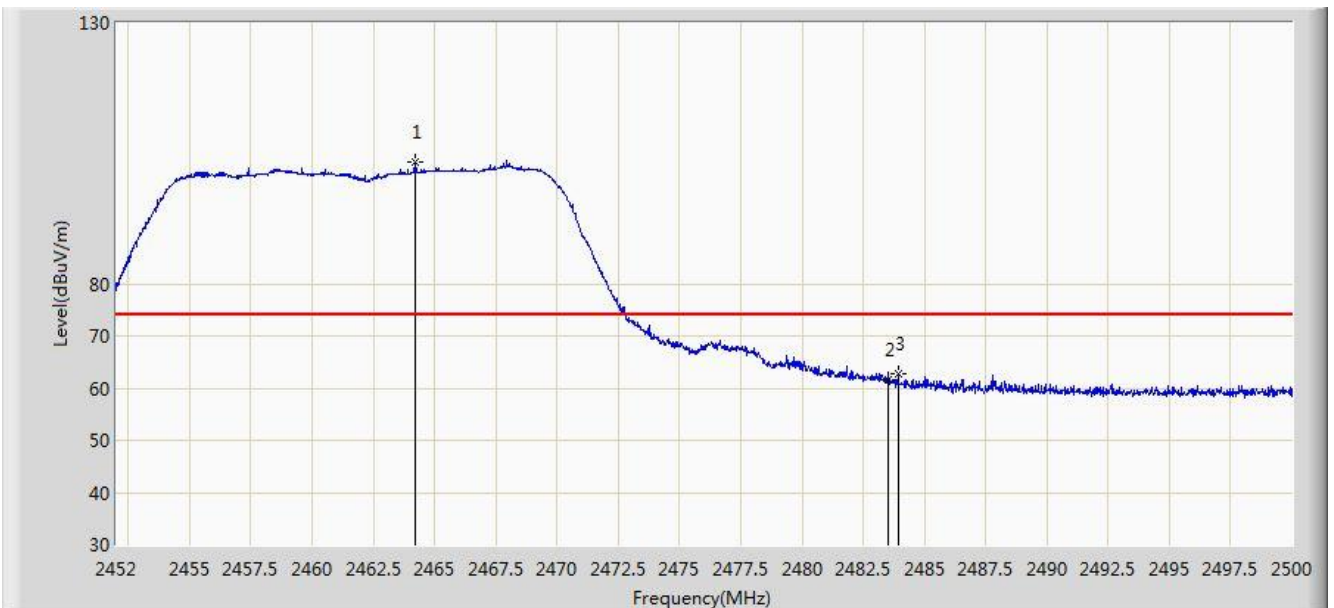


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.984	99.556	67.240	N/A	N/A	32.316	AV
2			2483.500	51.876	19.462	-2.124	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

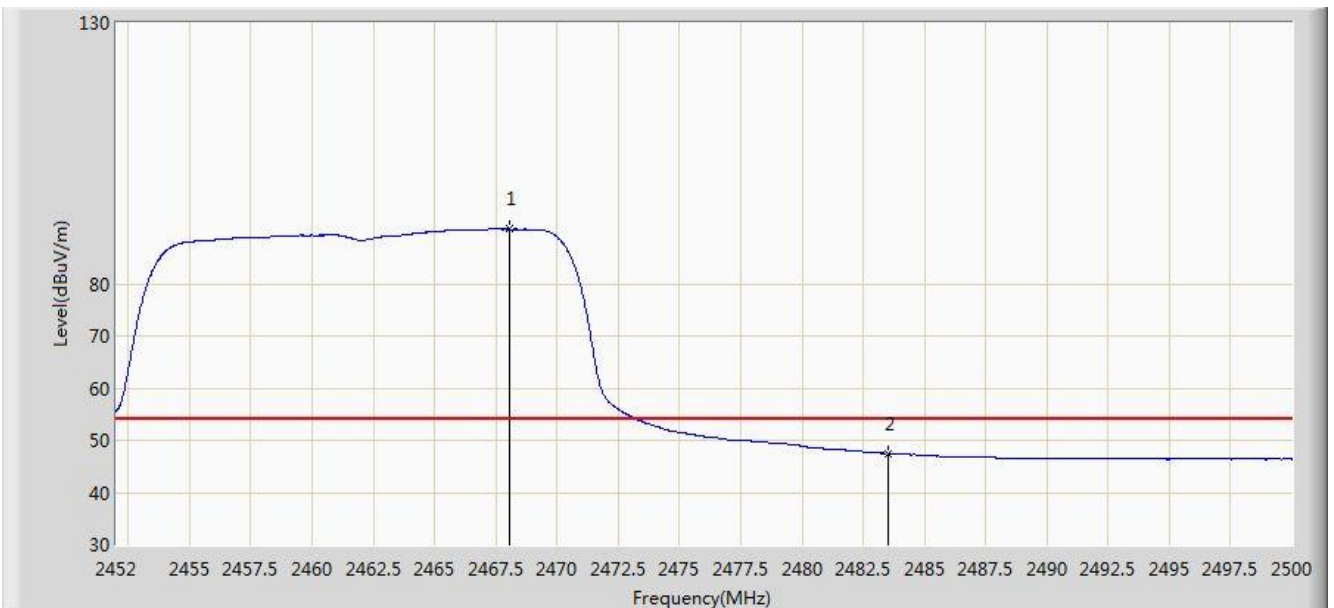


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.192	103.452	71.115	N/A	N/A	32.337	PK
2			2483.500	61.647	29.233	-12.353	74.000	32.414	PK
3			2483.920	62.771	30.355	-11.229	74.000	32.416	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

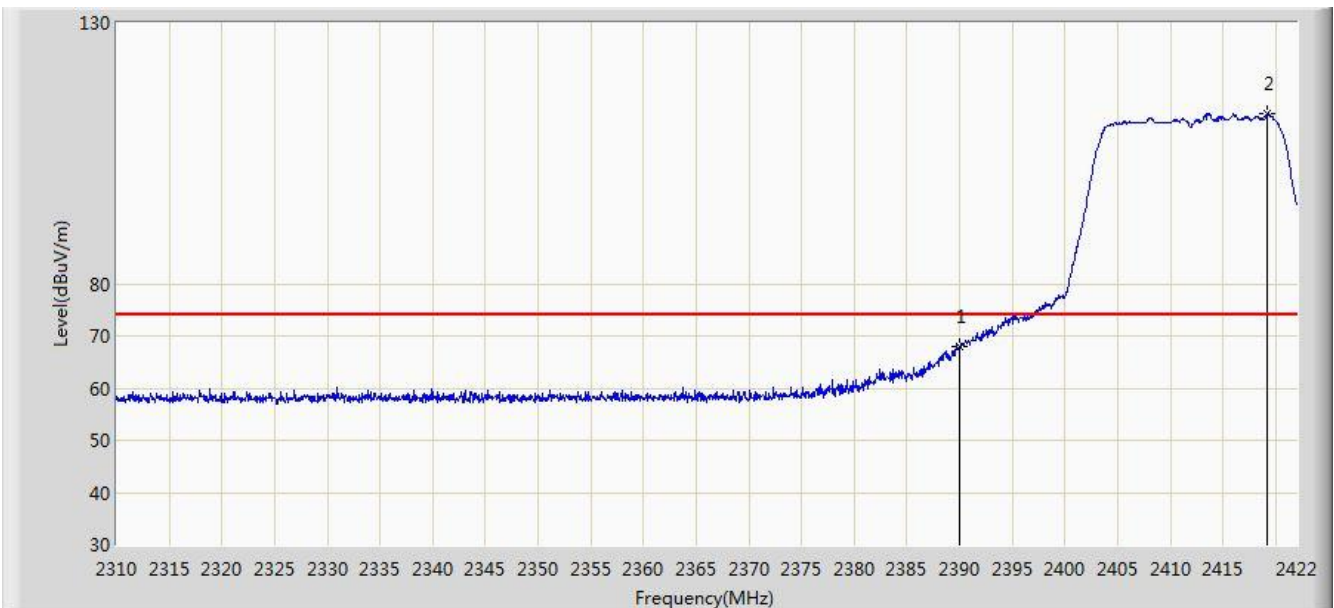


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.032	90.443	58.091	N/A	N/A	32.352	AV
2			2483.500	47.532	15.118	-6.468	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

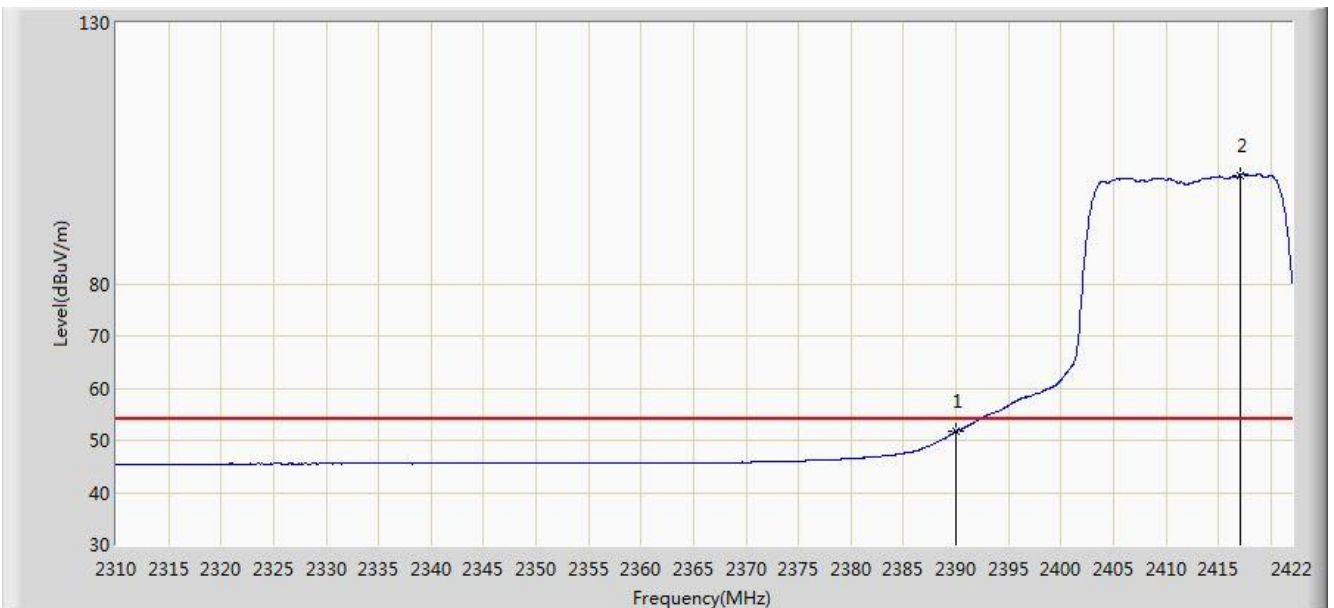


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	68.011	35.971	-5.989	74.000	32.040	PK
2		*	2419.256	112.535	80.378	N/A	N/A	32.157	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

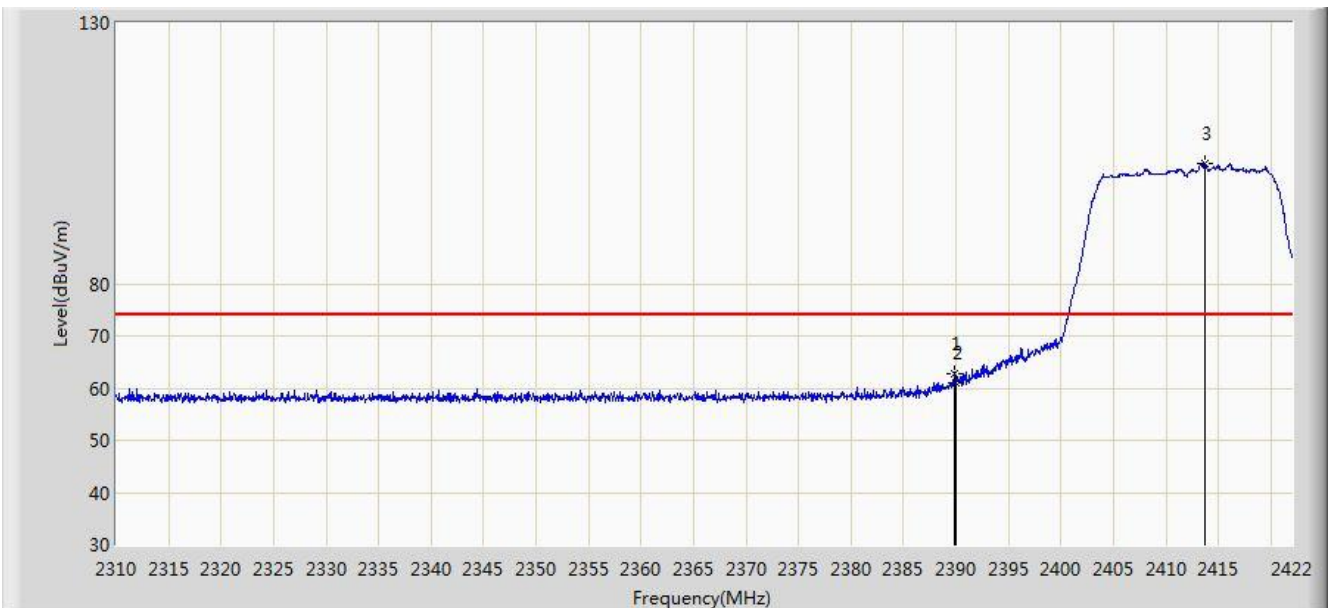


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.728	19.688	-2.272	54.000	32.040	AV
2		*	2417.072	100.786	68.638	N/A	N/A	32.148	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1	

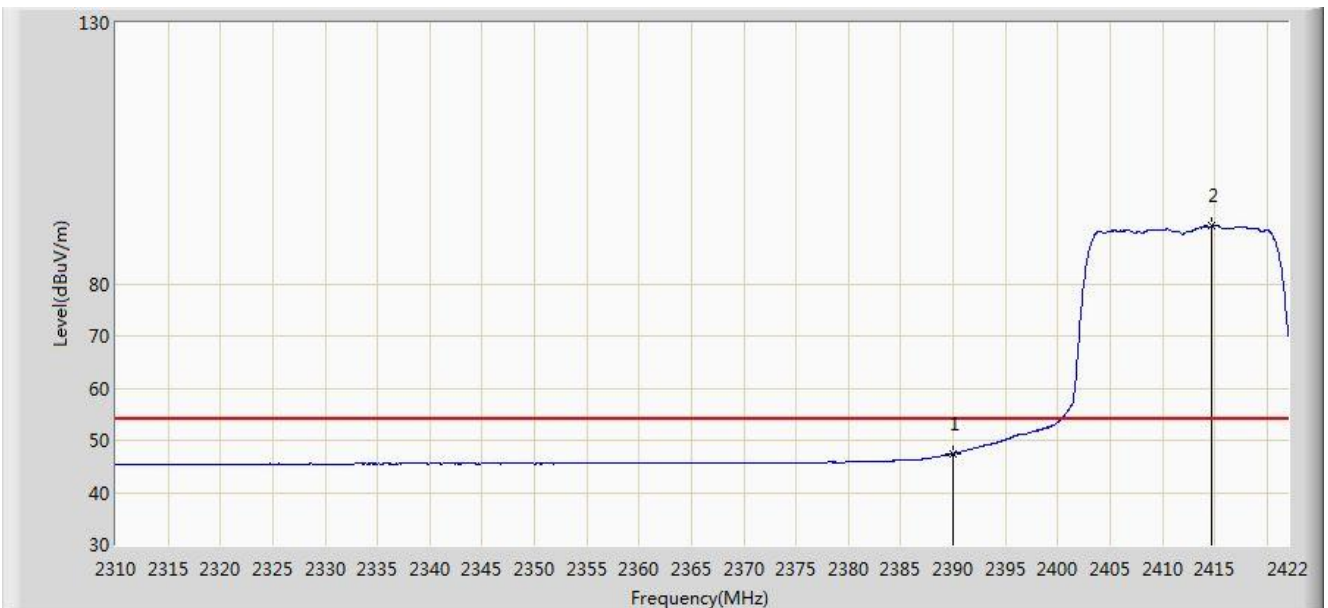


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.800	62.763	30.724	-11.237	74.000	32.039	PK
2			2390.000	61.085	29.045	-12.915	74.000	32.040	PK
3		*	2413.656	103.162	71.028	N/A	N/A	32.134	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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	47.480	15.440	-6.520	54.000	32.040	AV
2		*	2414.664	91.040	58.902	N/A	N/A	32.138	AV

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

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

Site: AC1	Time: 2017/08/03 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

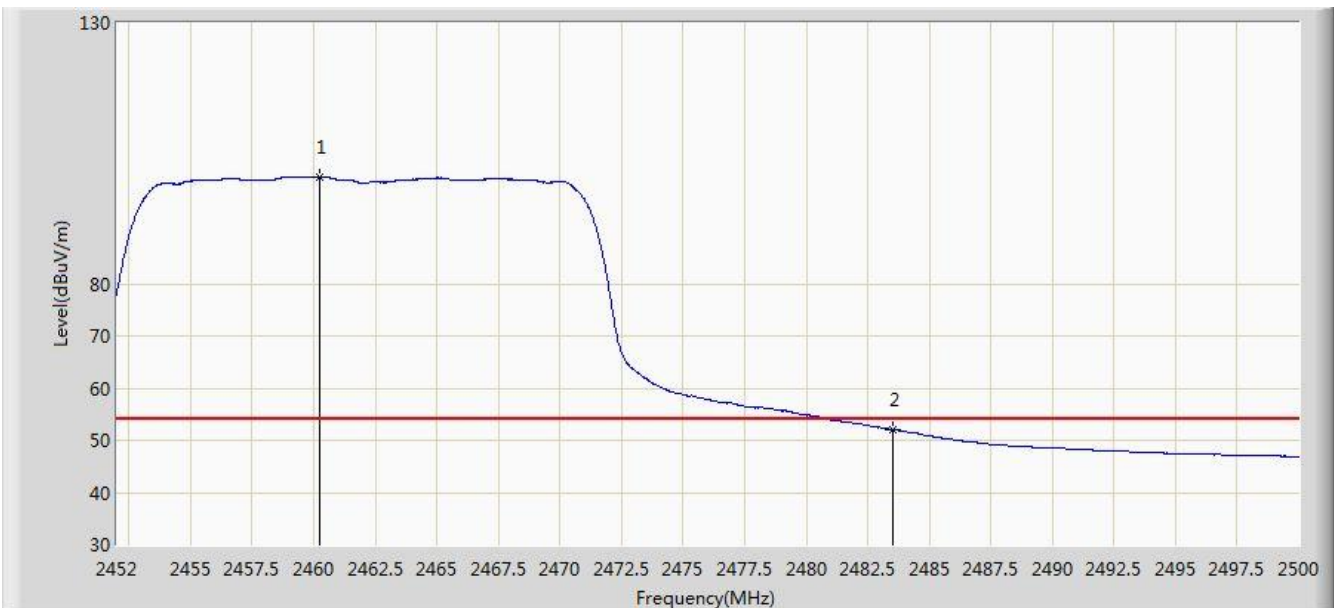


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.472	112.499	80.165	N/A	N/A	32.334	PK
2			2483.500	68.558	36.144	-5.442	74.000	32.414	PK

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

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

Site: AC1	Time: 2017/08/03 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

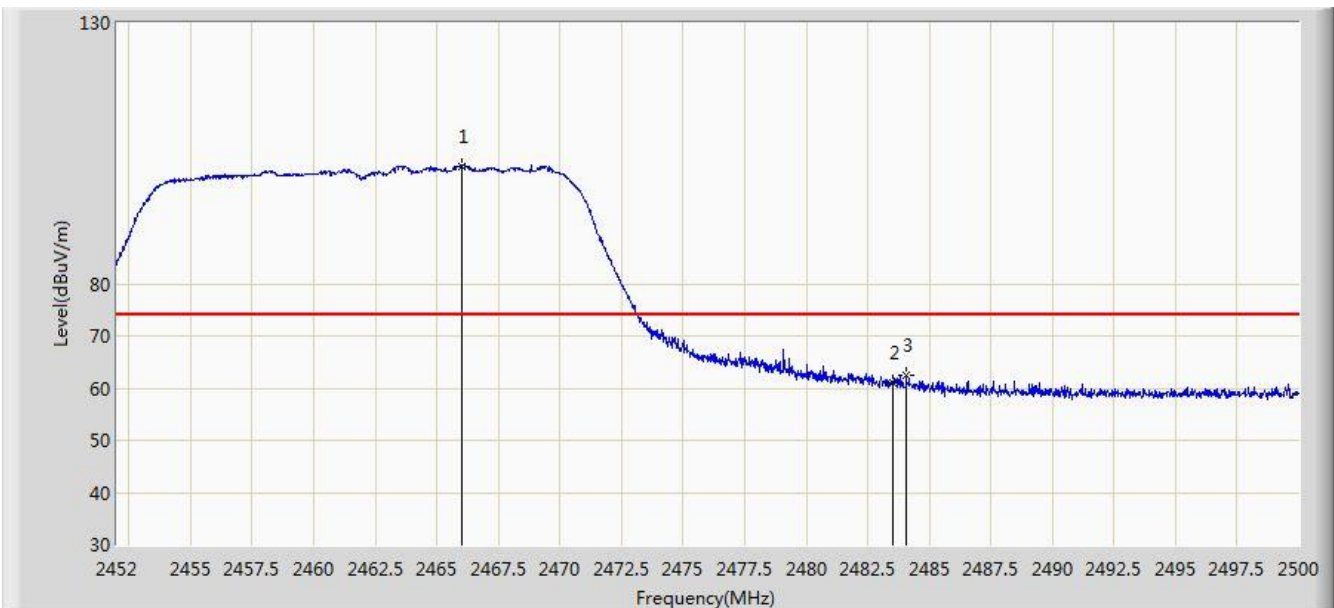


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.256	100.381	68.060	N/A	N/A	32.321	AV
2			2483.500	52.044	19.630	-1.956	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

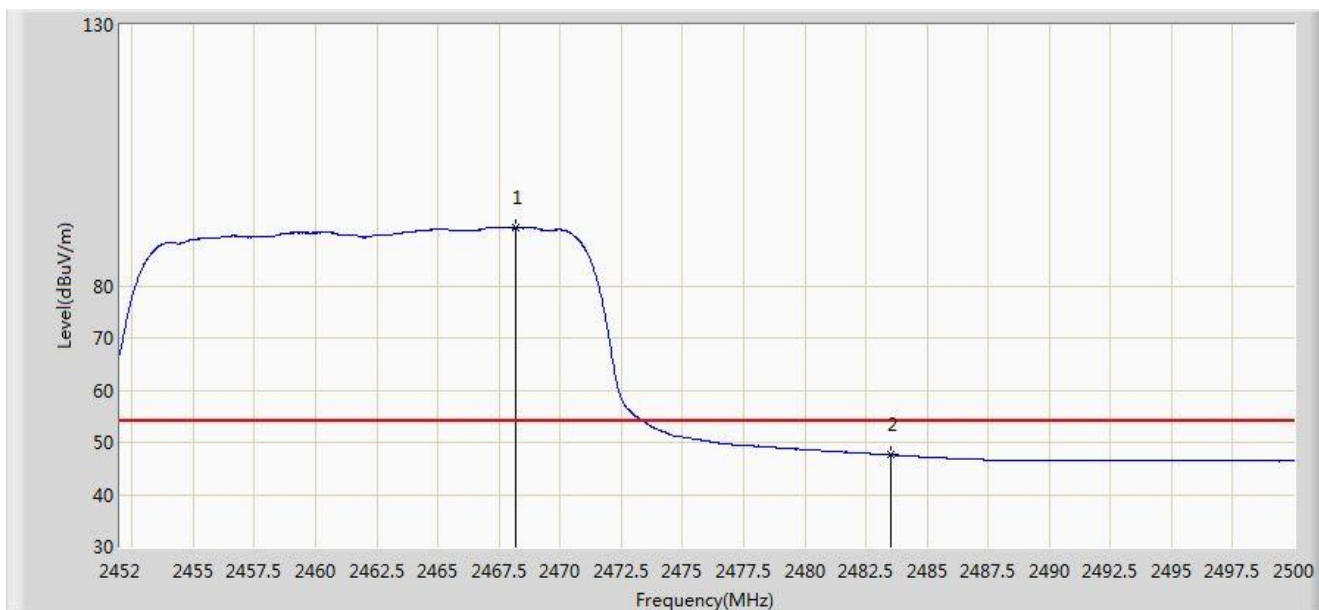


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.992	102.547	70.203	N/A	N/A	32.344	PK
2			2483.500	61.000	28.586	-13.000	74.000	32.414	PK
3			2484.064	62.558	30.142	-11.442	74.000	32.416	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1	

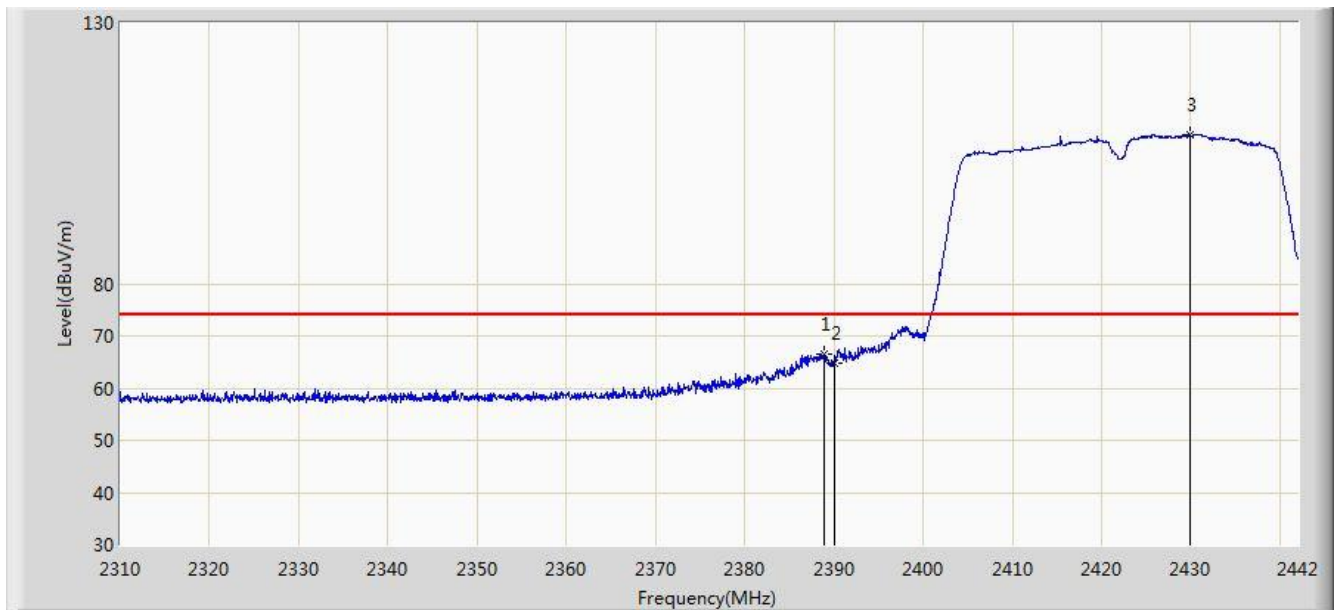


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.176	91.044	58.691	N/A	N/A	32.353	AV
2			2483.500	47.594	15.180	-6.406	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

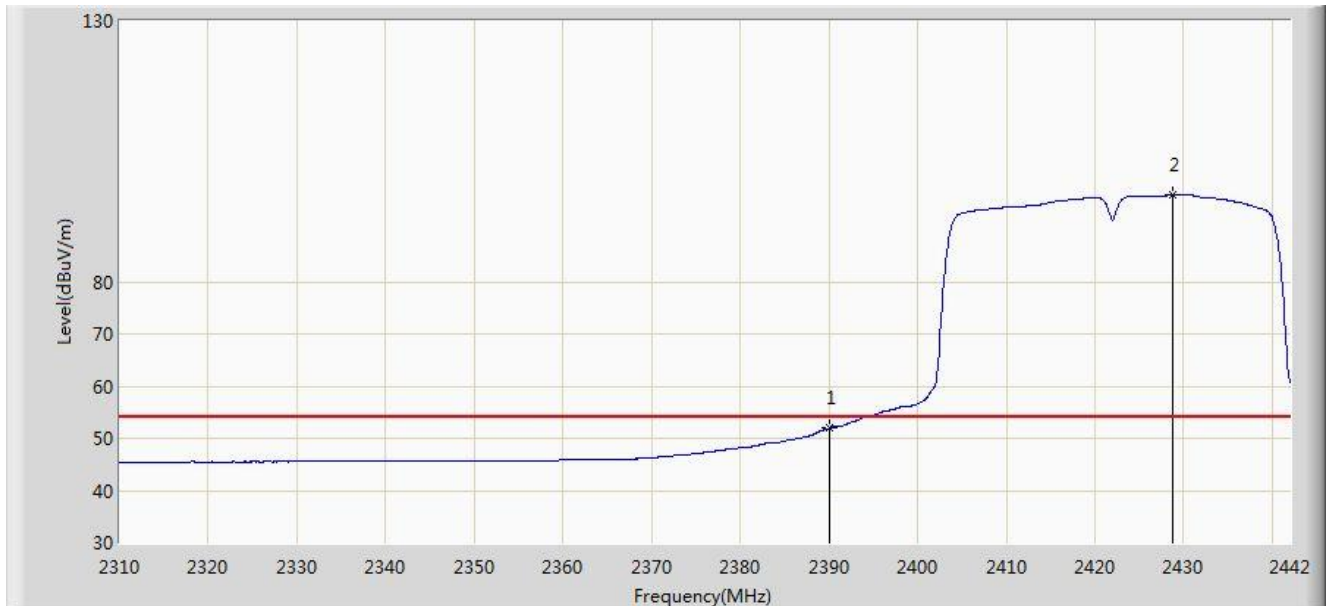


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.936	66.600	34.564	-7.400	74.000	32.036	PK
2			2390.000	64.707	32.667	-9.293	74.000	32.040	PK
3		*	2429.922	108.456	76.257	N/A	N/A	32.199	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

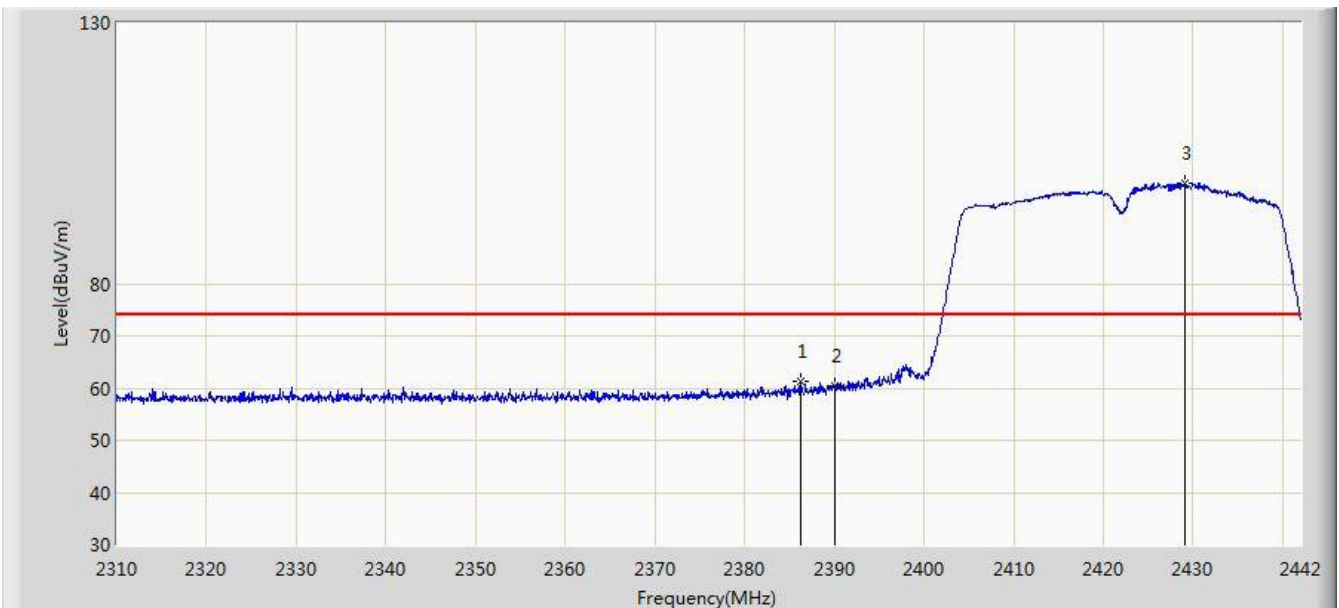


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.911	19.871	-2.089	54.000	32.040	AV
2		*	2428.800	96.617	64.422	N/A	N/A	32.195	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

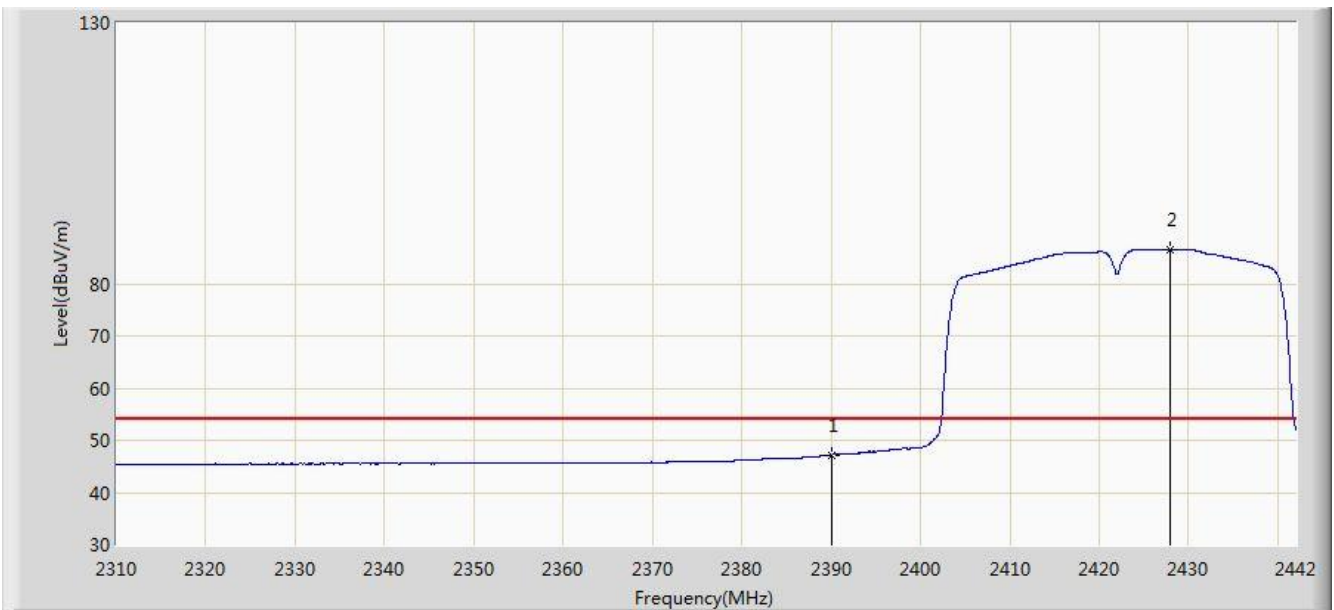


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.296	61.302	29.277	-12.698	74.000	32.026	PK
2			2390.000	60.406	28.366	-13.594	74.000	32.040	PK
3		*	2429.130	99.150	66.954	N/A	N/A	32.196	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1	

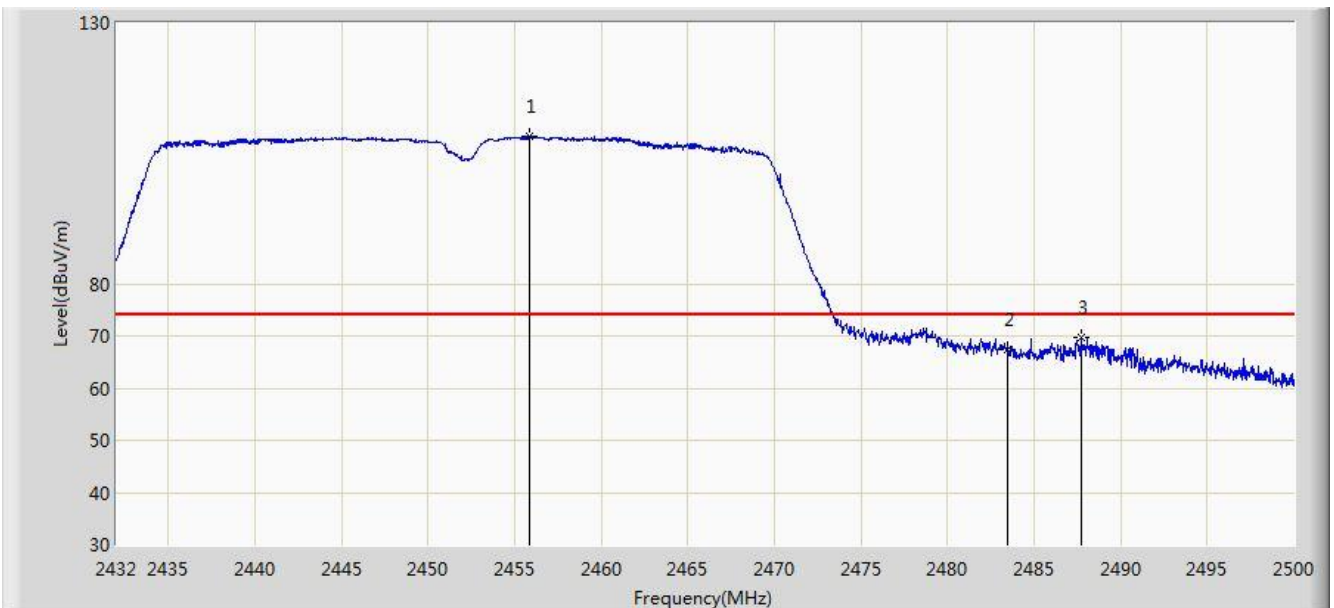


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.207	15.167	-6.793	54.000	32.040	AV
2		*	2427.942	86.518	54.327	N/A	N/A	32.191	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

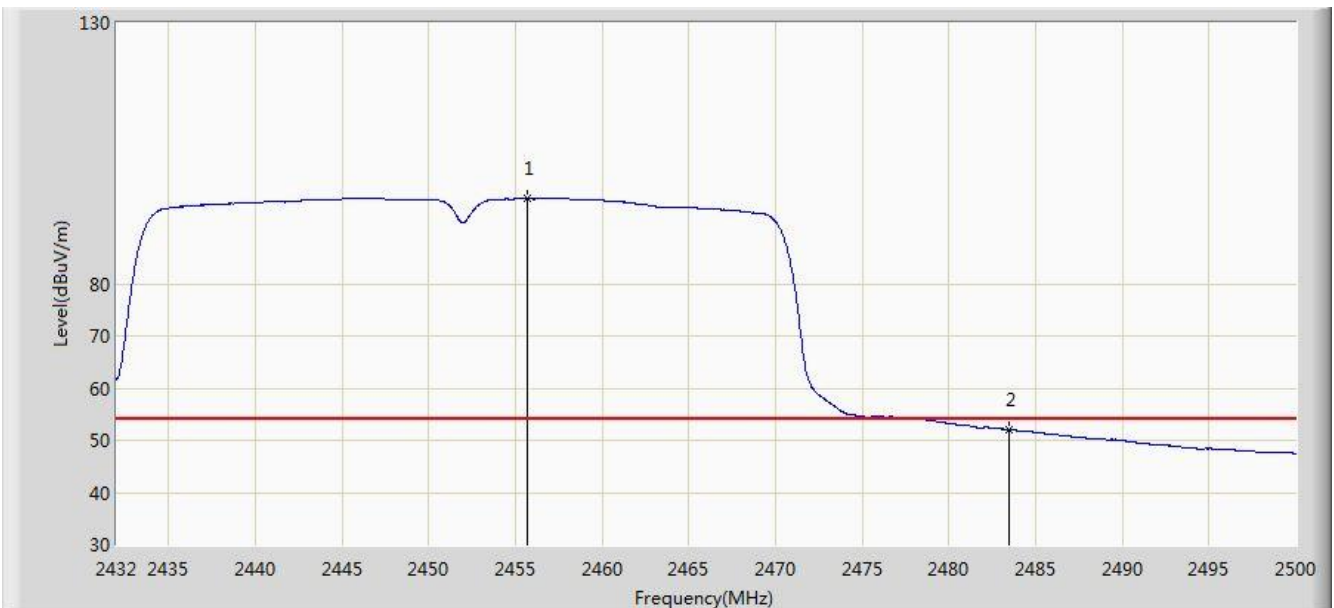


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.868	108.328	76.024	N/A	N/A	32.304	PK
2			2483.500	67.405	34.991	-6.595	74.000	32.414	PK
3			2487.692	69.634	37.203	-4.366	74.000	32.431	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

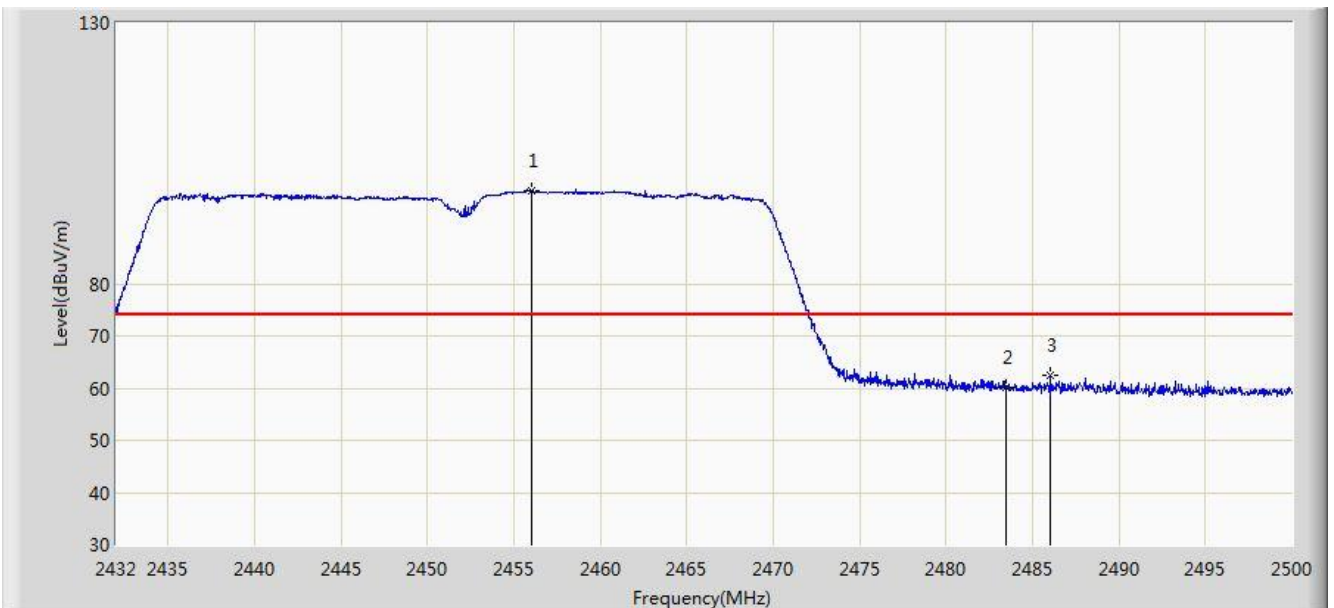


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.664	96.308	64.005	N/A	N/A	32.303	AV
2			2483.500	52.022	19.608	-1.978	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

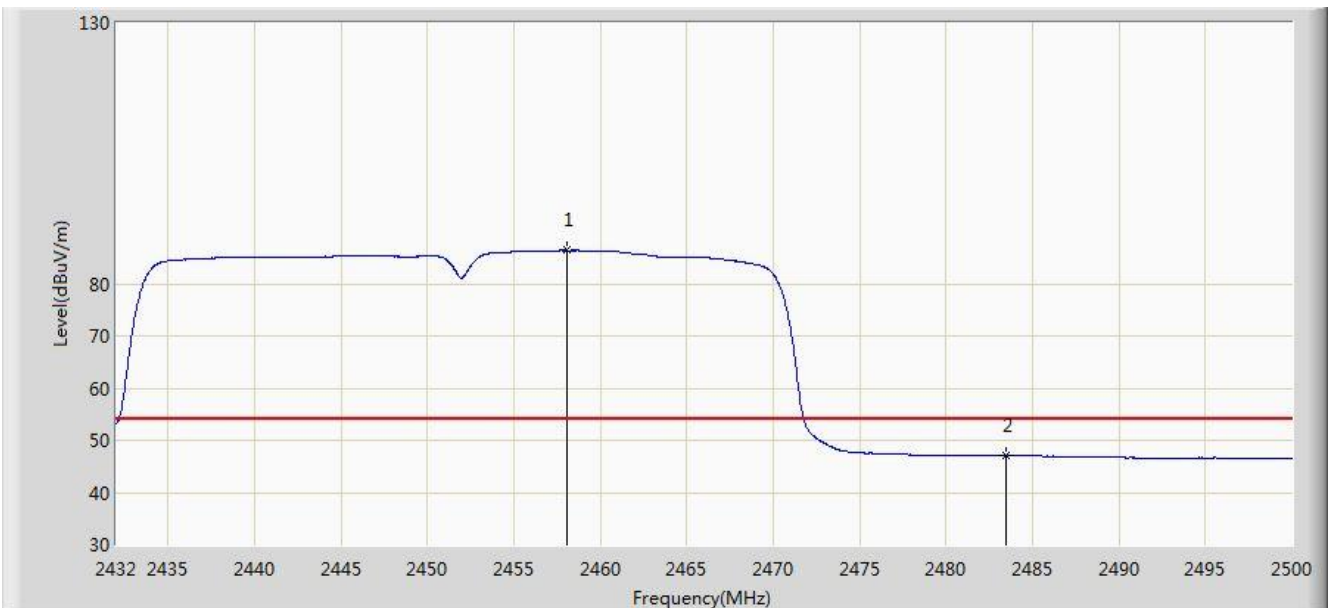


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.004	97.874	65.570	N/A	N/A	32.304	PK
2			2483.500	60.274	27.860	-13.726	74.000	32.414	PK
3			2486.060	62.351	29.927	-11.649	74.000	32.424	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 1	

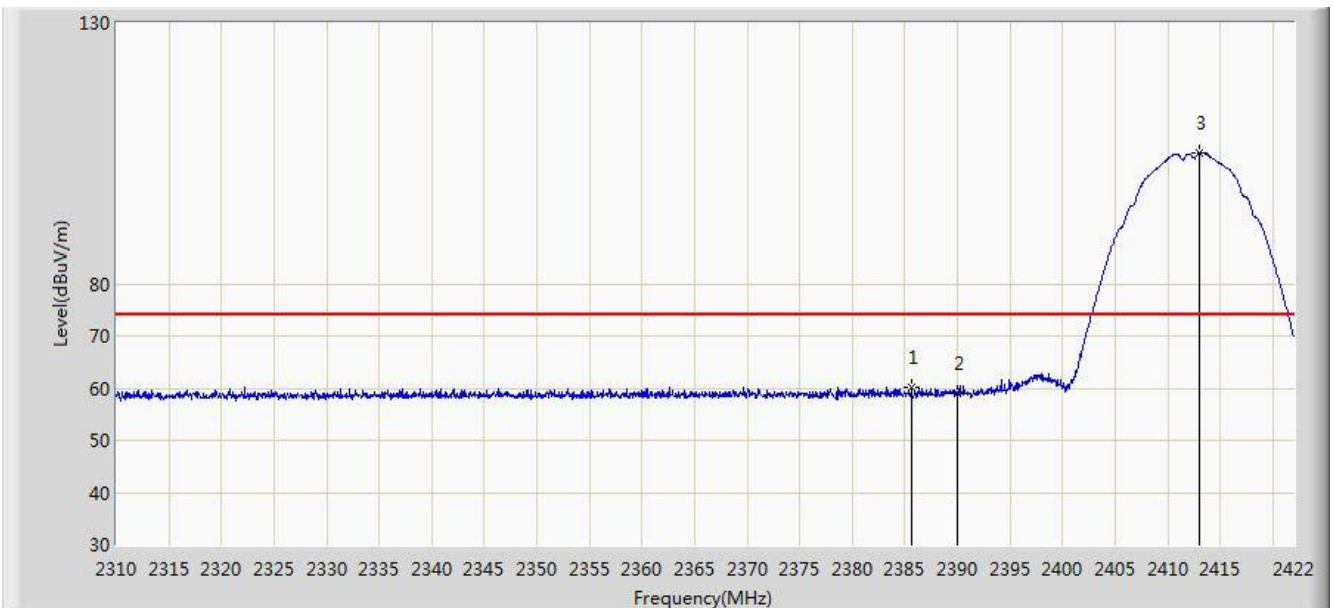


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.078	86.389	54.076	N/A	N/A	32.313	AV
2			2483.500	47.086	14.672	-6.914	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

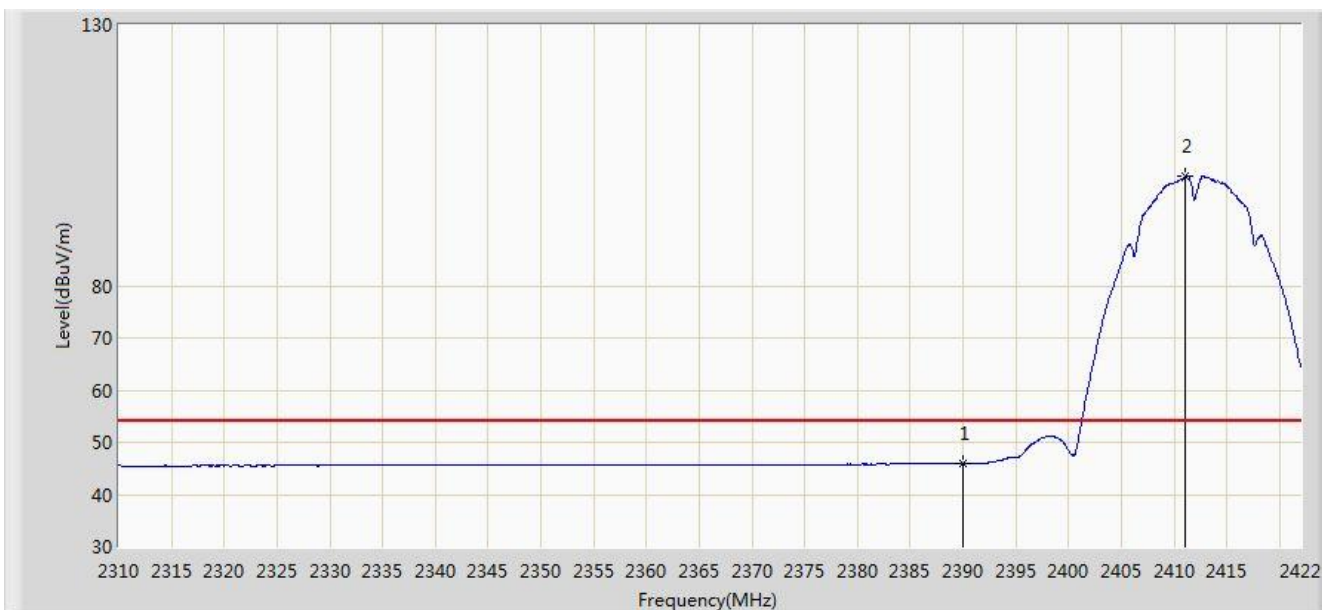


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.656	60.114	28.091	-13.886	74.000	32.023	PK
2			2390.000	59.125	27.085	-14.875	74.000	32.040	PK
3		*	2413.040	105.042	72.910	N/A	N/A	32.132	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

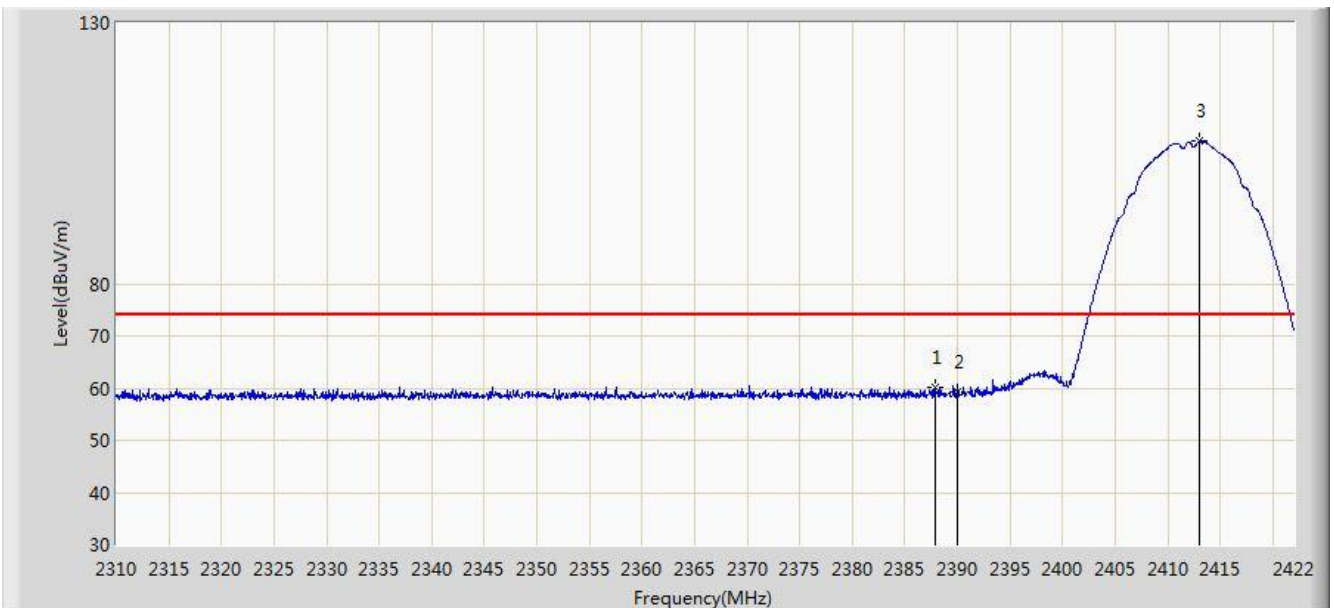


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.917	13.877	-8.083	54.000	32.040	AV
2		*	2411.080	100.993	68.869	N/A	N/A	32.124	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

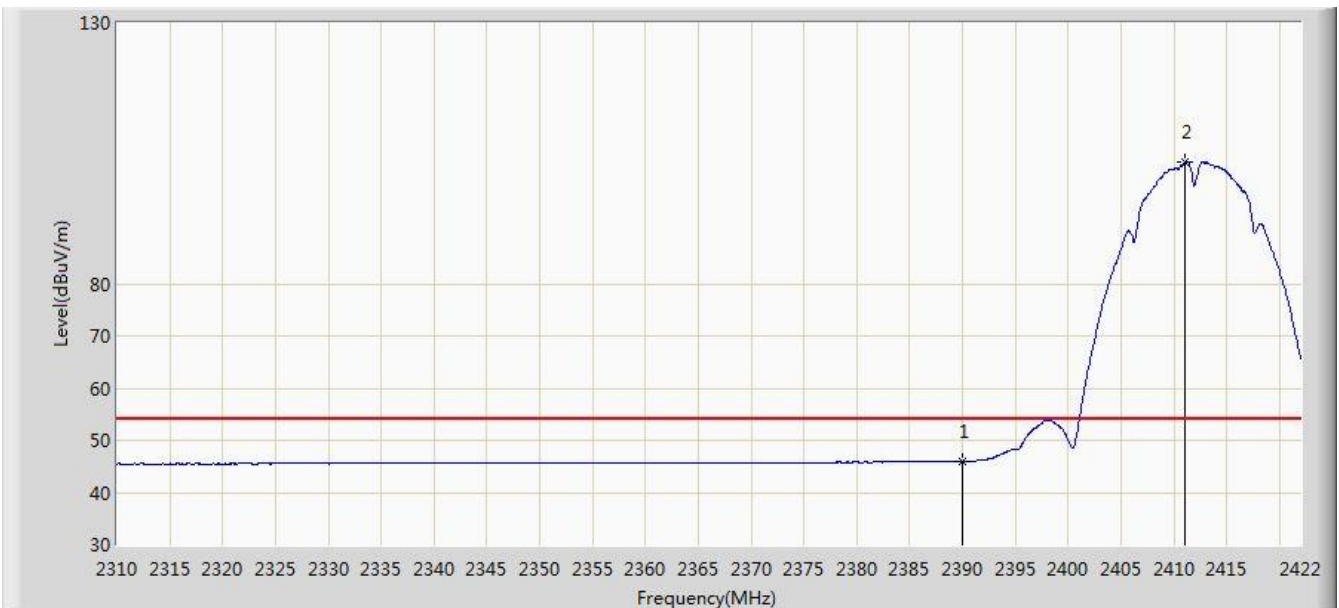


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.896	60.155	28.123	-13.845	74.000	32.032	PK
2			2390.000	59.233	27.193	-14.767	74.000	32.040	PK
3		*	2413.040	107.271	75.139	N/A	N/A	32.132	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 2	

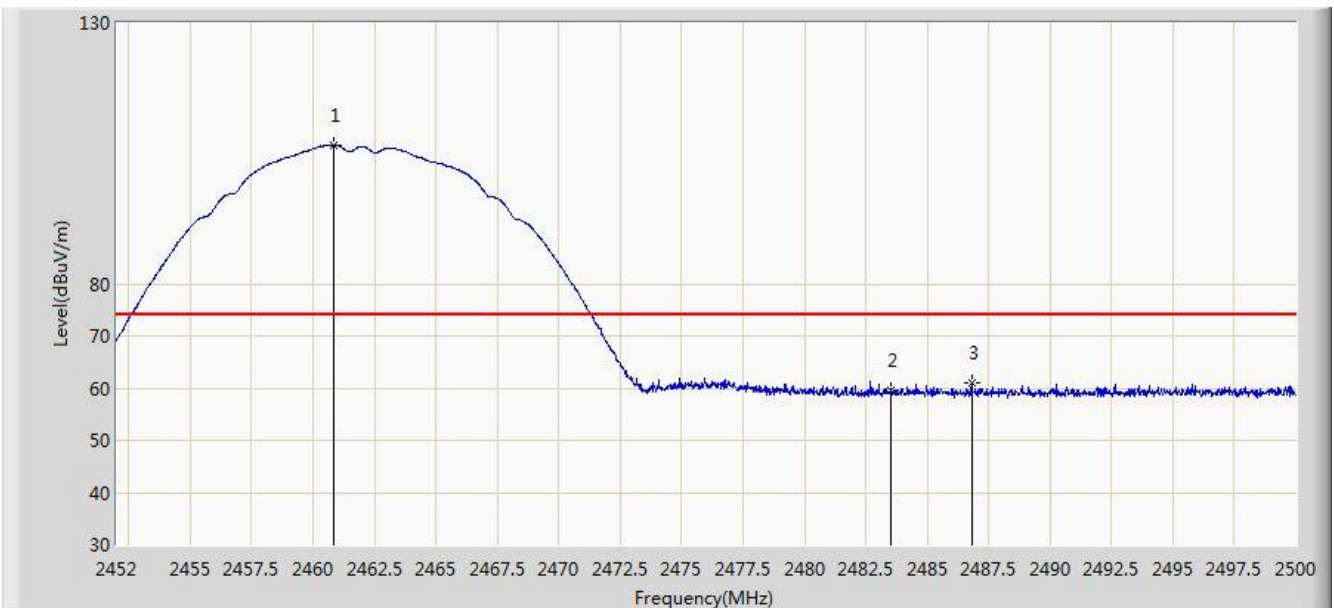


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.997	13.957	-8.003	54.000	32.040	AV
2		*	2411.024	103.205	71.081	N/A	N/A	32.124	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2460.856	106.567	74.243	N/A	N/A	32.324	PK
2			2483.500	59.453	27.039	-14.547	74.000	32.414	PK
3			2486.800	61.011	28.584	-12.989	74.000	32.427	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

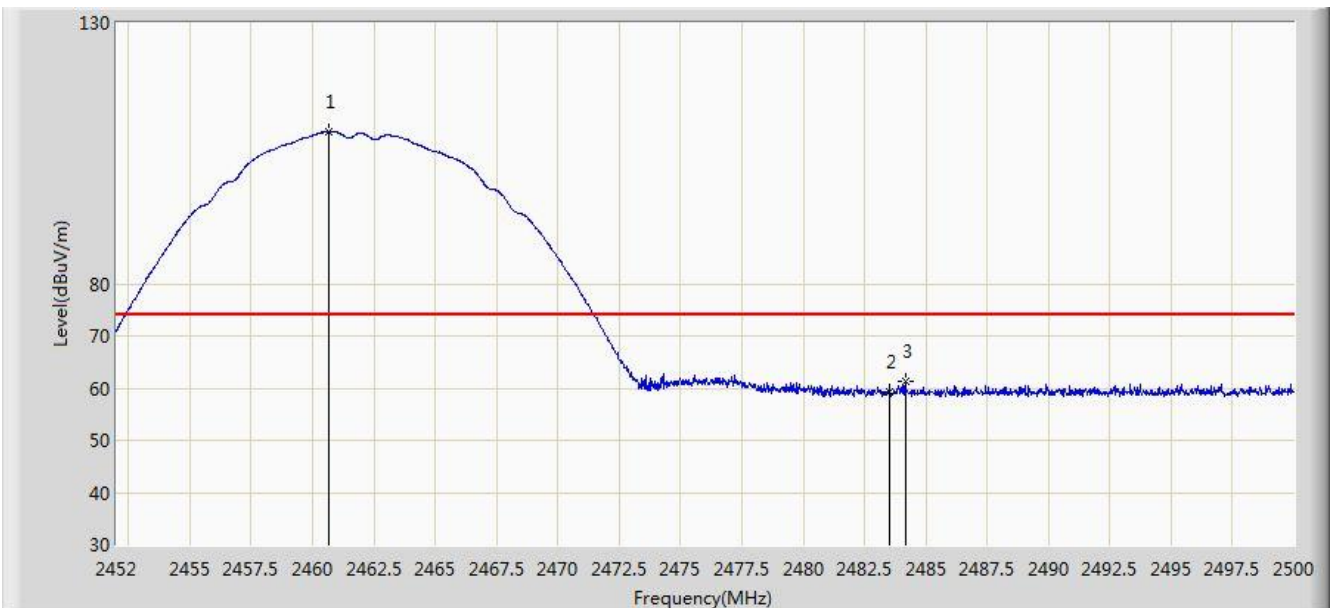


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.096	102.535	70.210	N/A	N/A	32.324	AV
2			2483.500	46.444	14.030	-7.556	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2460.640	109.111	76.788	N/A	N/A	32.323	PK
2			2483.500	59.302	26.888	-14.698	74.000	32.414	PK
3			2484.160	61.417	29.000	-12.583	74.000	32.417	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 2	

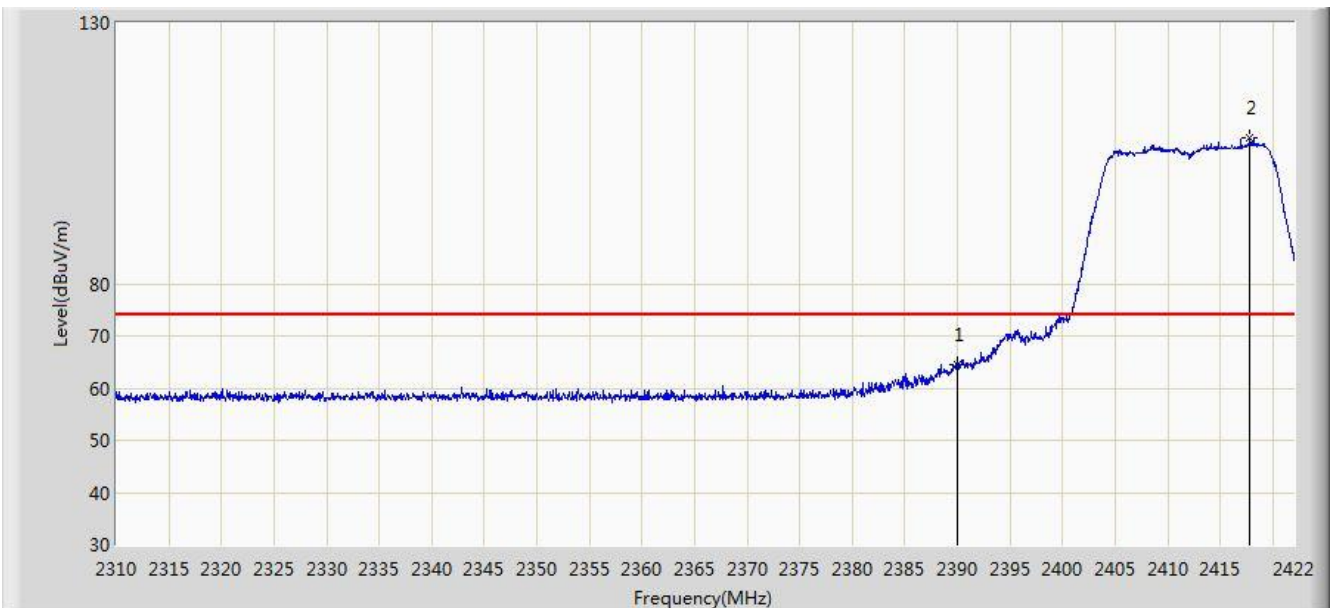


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.264	105.634	73.309	N/A	N/A	32.325	AV
2			2483.500	46.554	14.140	-7.446	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

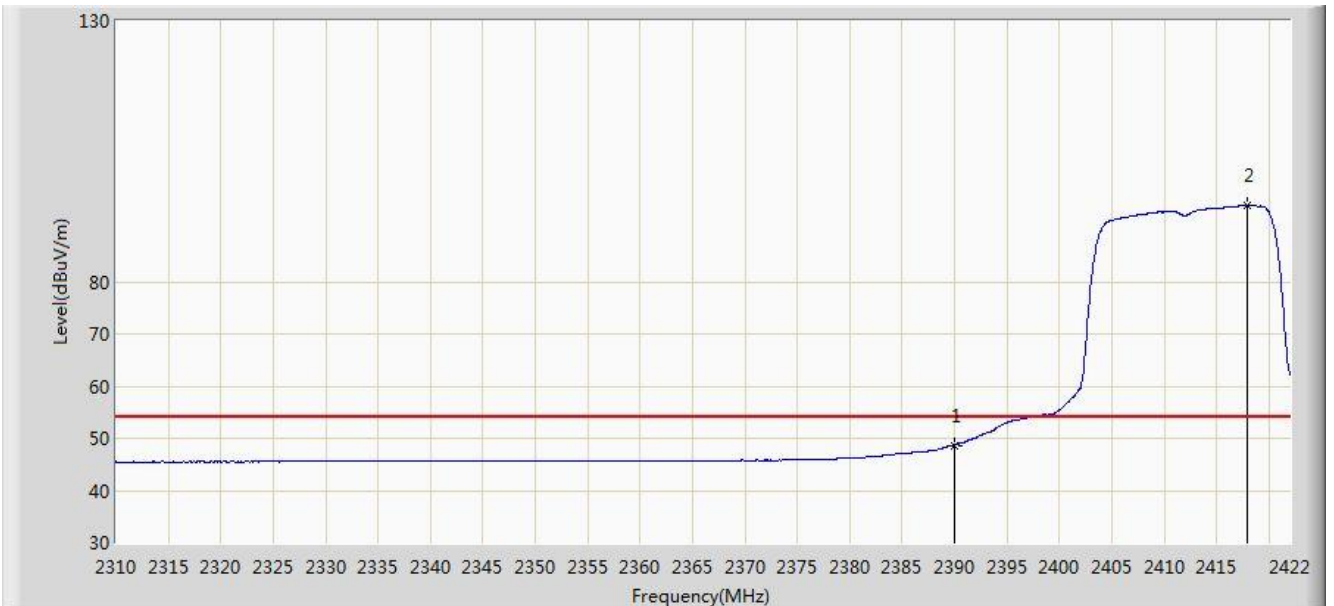


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	64.543	32.503	-9.457	74.000	32.040	PK
2		*	2417.800	107.870	75.719	N/A	N/A	32.151	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

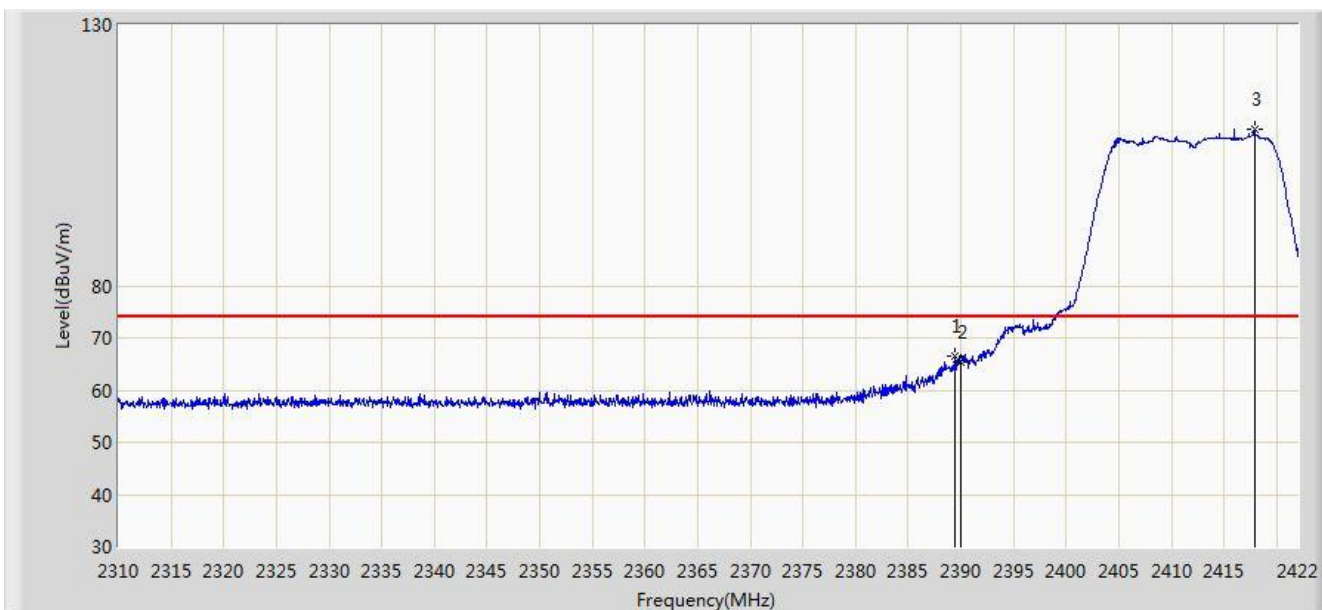


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.680	16.640	-5.320	54.000	32.040	AV
2		*	2417.912	94.592	62.441	N/A	N/A	32.151	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

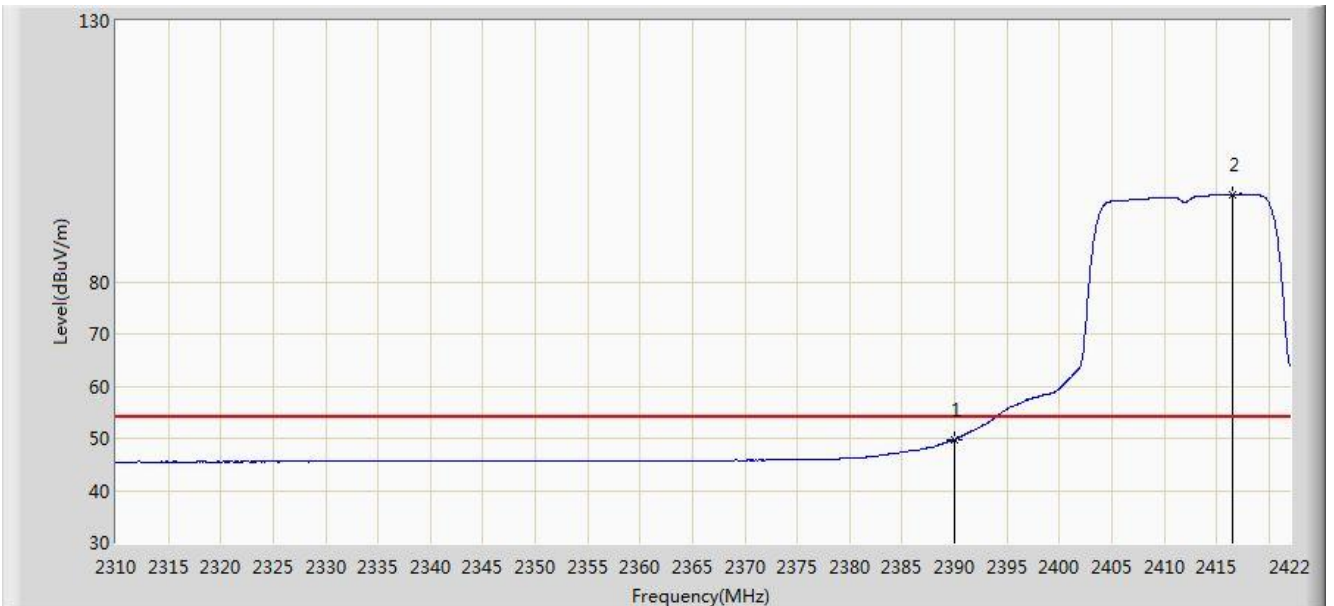


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.464	66.500	34.462	-7.500	74.000	32.037	PK
2			2390.000	65.473	33.433	-8.527	74.000	32.040	PK
3		*	2417.912	110.094	77.943	N/A	N/A	32.151	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 2	

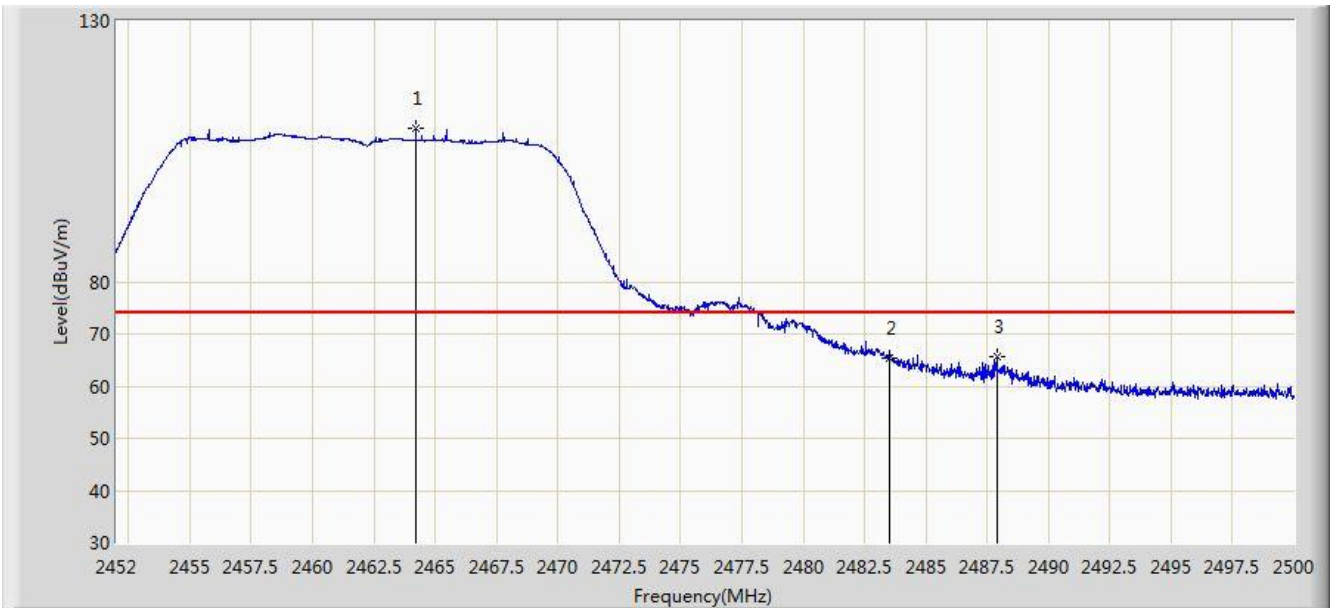


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.819	17.779	-4.181	54.000	32.040	AV
2		*	2416.568	96.792	64.646	N/A	N/A	32.146	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

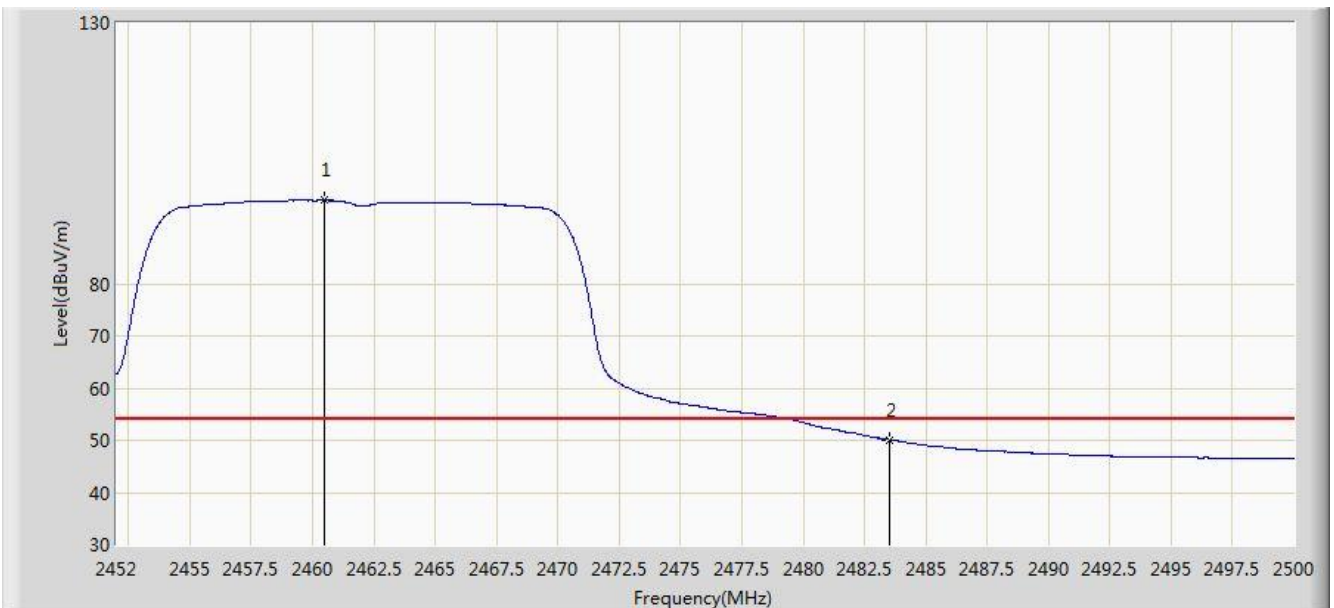


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.216	109.378	77.041	N/A	N/A	32.337	PK
2			2483.500	65.492	33.078	-8.508	74.000	32.414	PK
3			2487.880	65.682	33.250	-8.318	74.000	32.432	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g 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		*	2460.496	95.996	63.674	N/A	N/A	32.323	AV
2			2483.500	50.129	17.715	-3.871	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

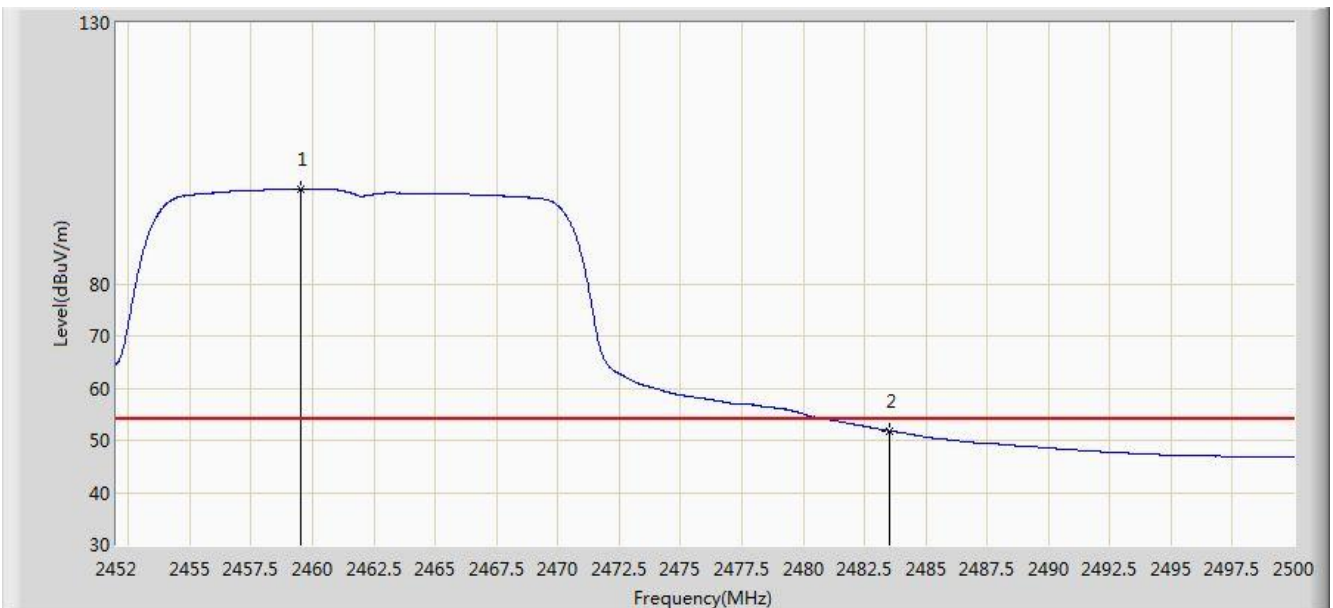


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.120	110.780	78.455	N/A	N/A	32.325	PK
2			2483.500	68.059	35.645	-5.941	74.000	32.414	PK
3			2483.728	68.652	36.237	-5.348	74.000	32.415	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 2	

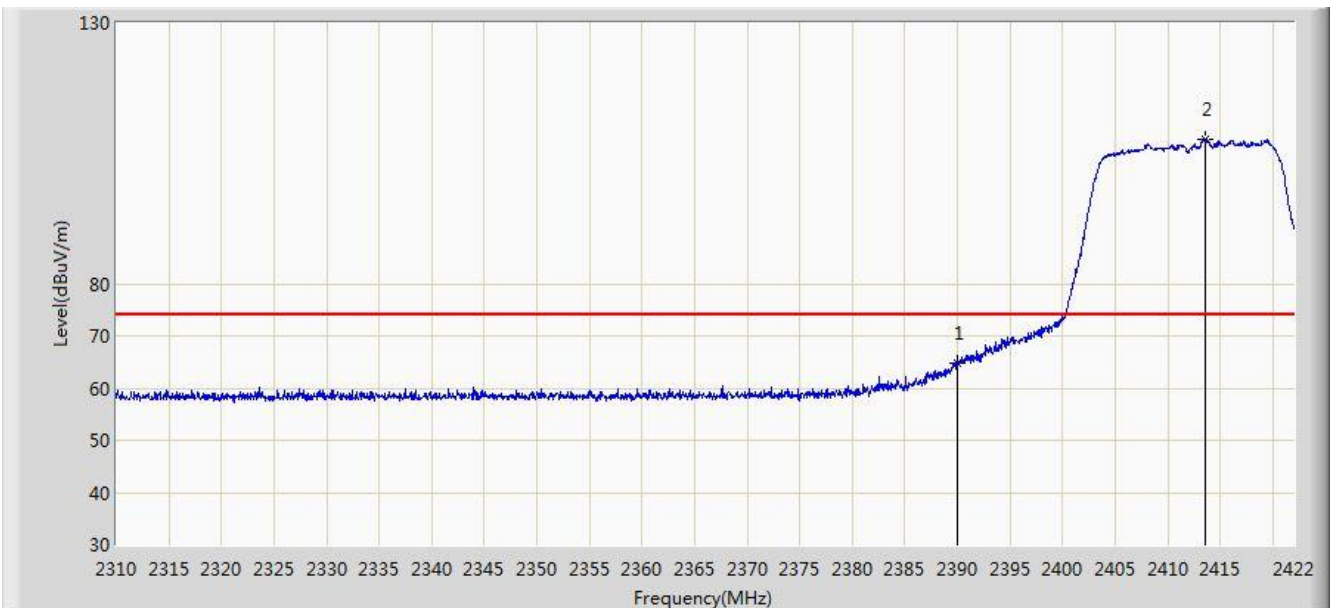


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.512	98.206	65.888	N/A	N/A	32.318	AV
2			2483.500	51.809	19.395	-2.191	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

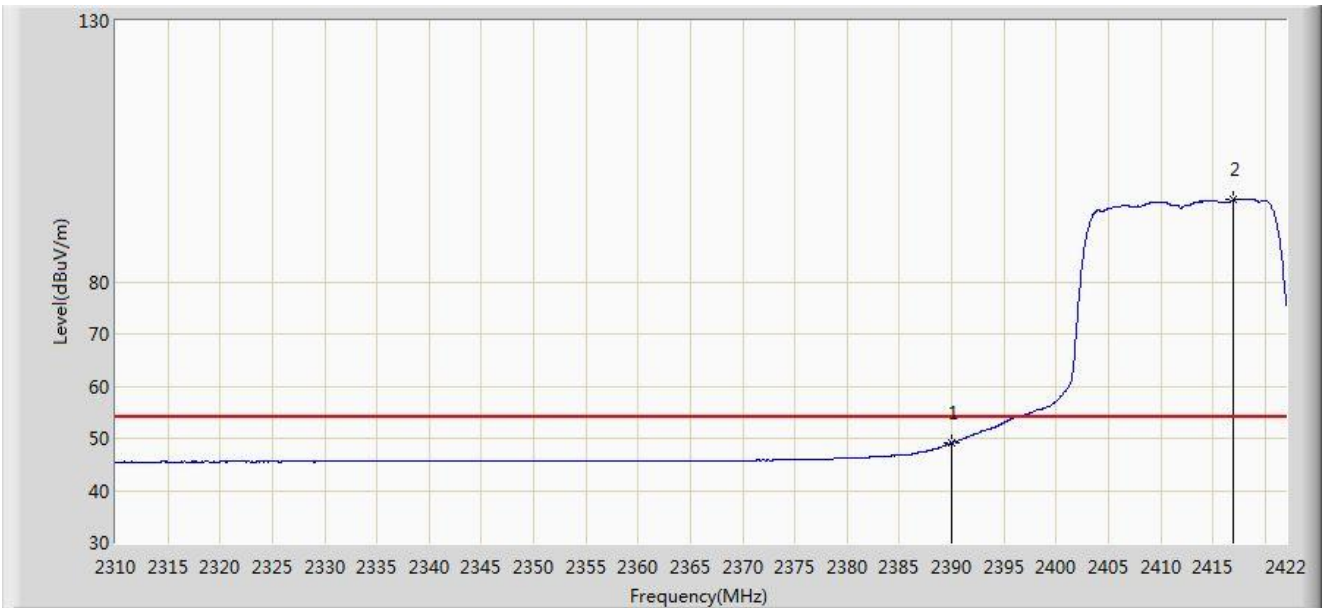


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	64.738	32.698	-9.262	74.000	32.040	PK
2		*	2413.600	107.810	75.676	N/A	N/A	32.134	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

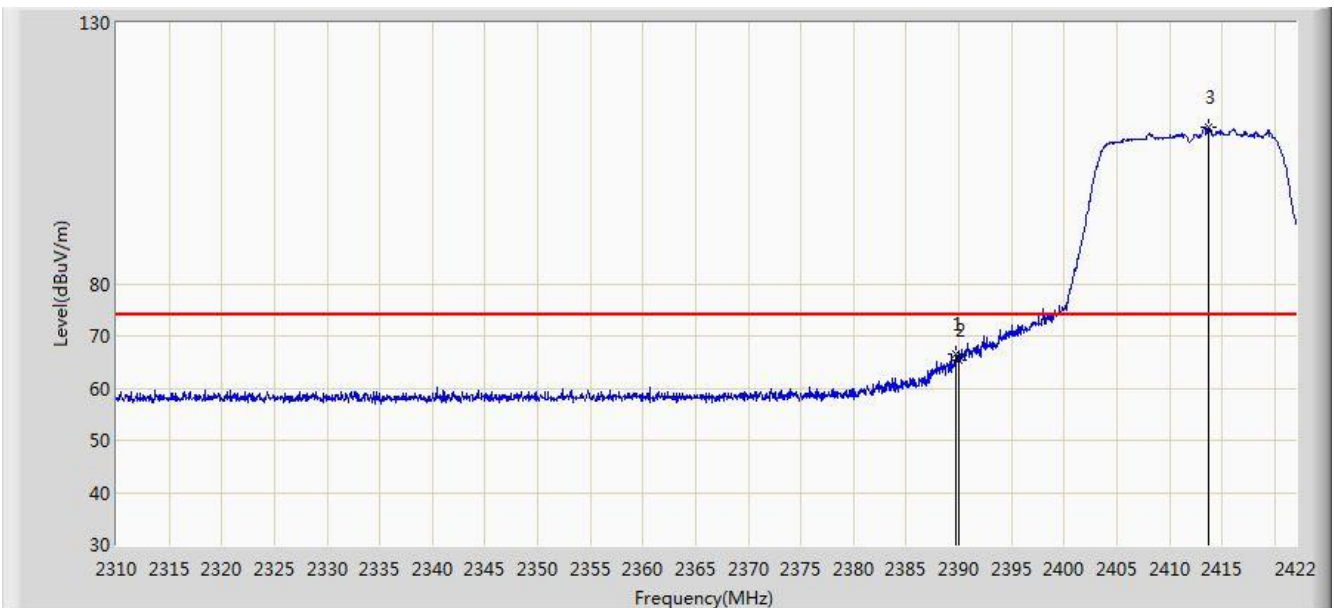


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.146	17.106	-4.854	54.000	32.040	AV
2		*	2417.016	95.732	63.584	N/A	N/A	32.148	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

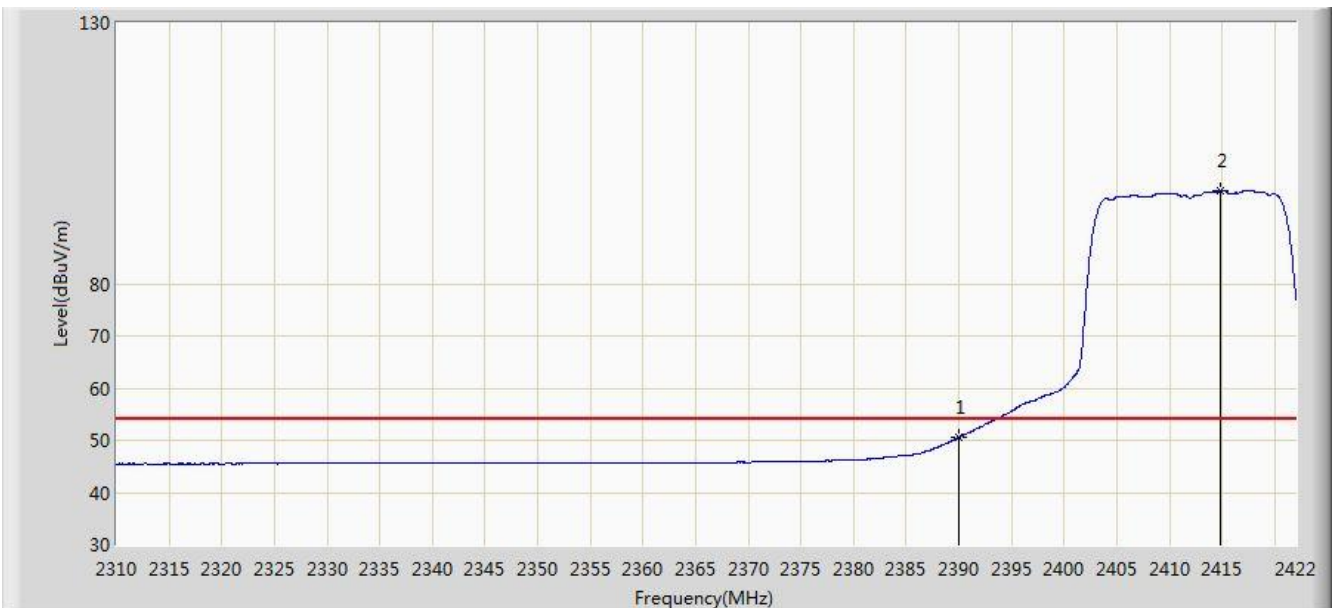


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.744	66.605	34.566	-7.395	74.000	32.039	PK
2			2390.000	65.473	33.433	-8.527	74.000	32.040	PK
3		*	2413.656	109.996	77.862	N/A	N/A	32.134	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 2	

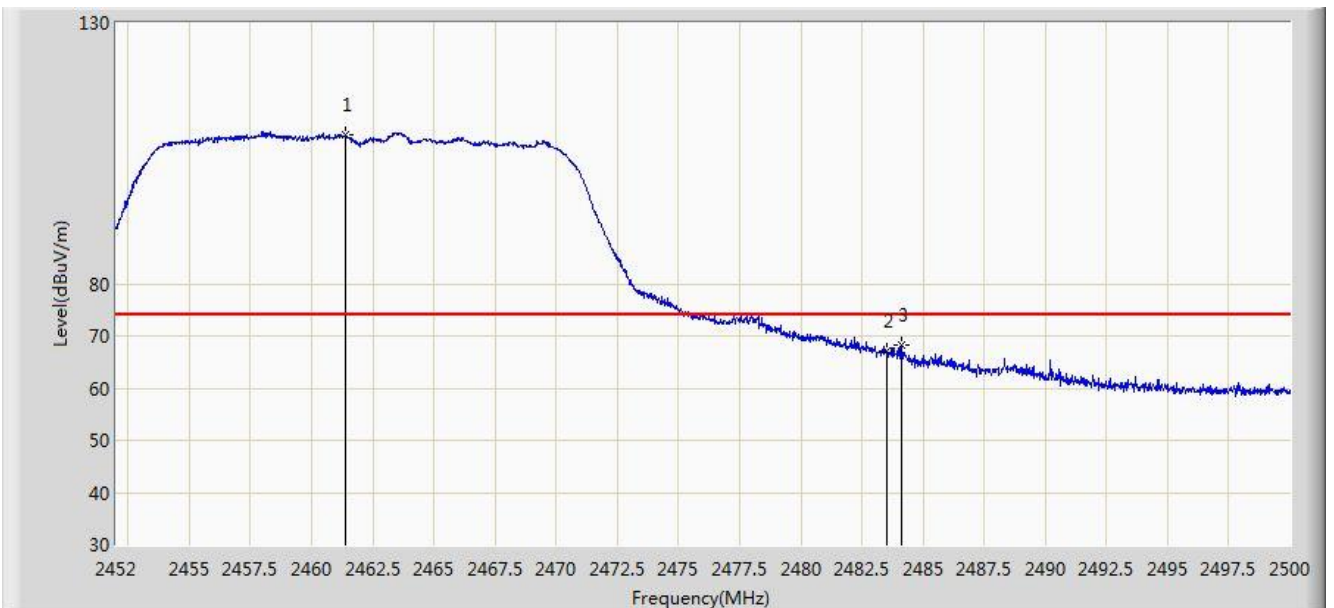


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.595	18.555	-3.405	54.000	32.040	AV
2		*	2414.776	97.688	65.549	N/A	N/A	32.138	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

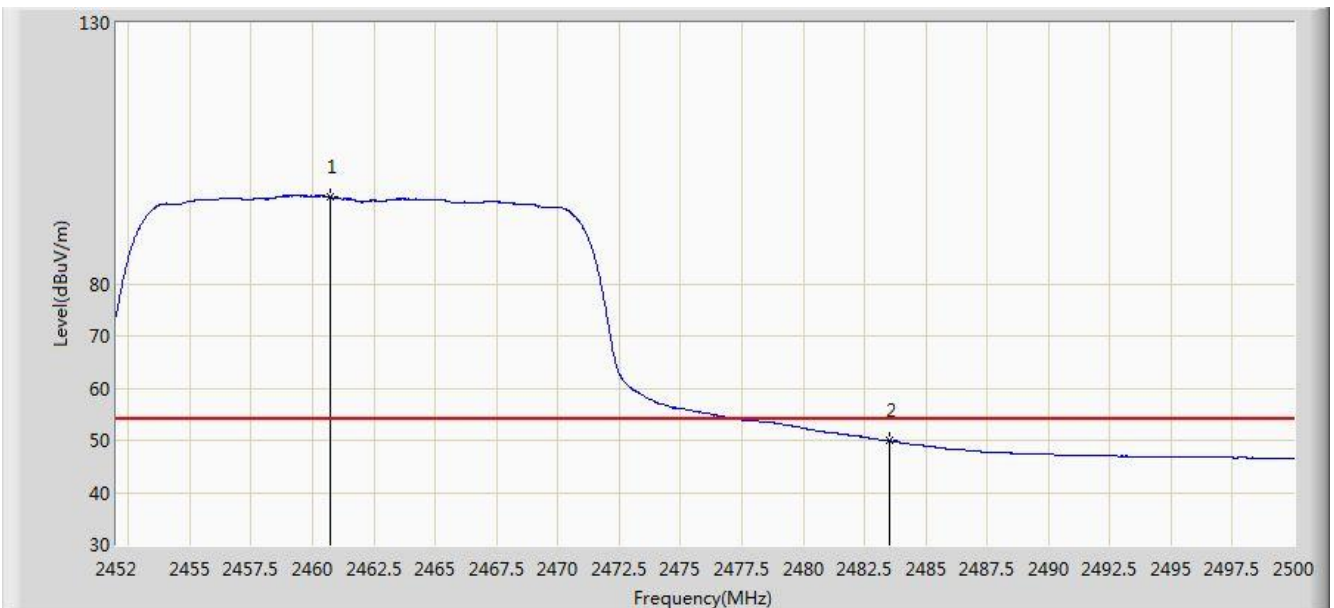


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.360	108.565	76.239	N/A	N/A	32.326	PK
2			2483.500	67.137	34.723	-6.863	74.000	32.414	PK
3			2484.136	68.215	35.798	-5.785	74.000	32.417	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

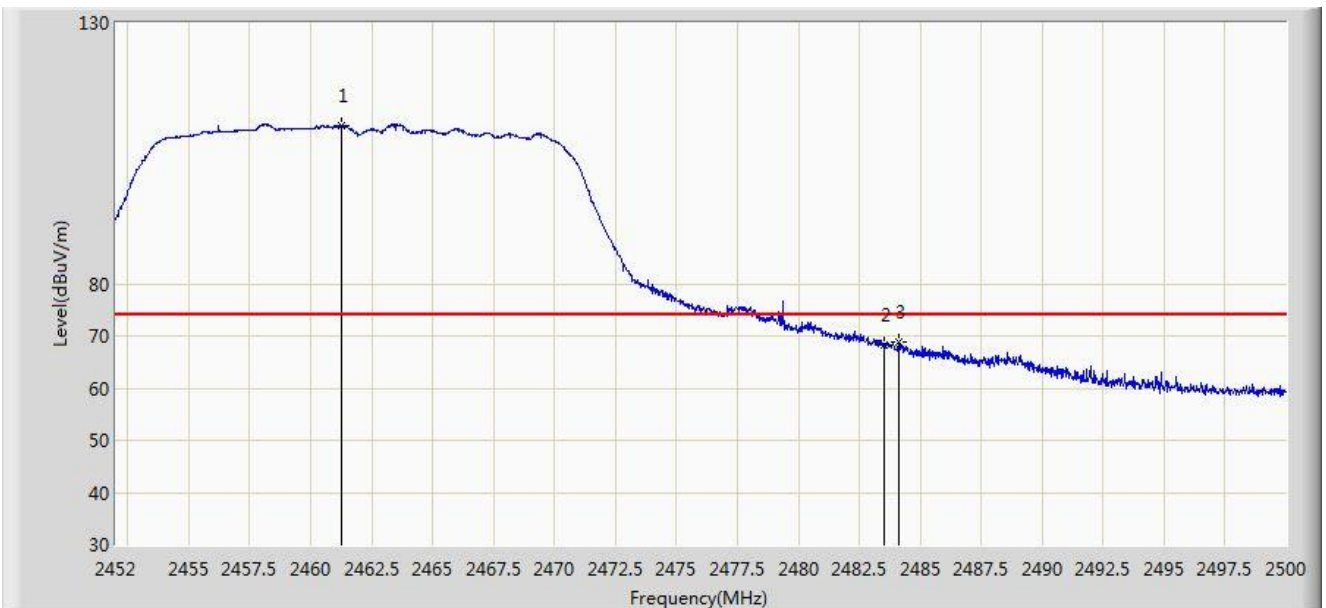


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	96.643	64.320	N/A	N/A	32.323	AV
2			2483.500	49.907	17.493	-4.093	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

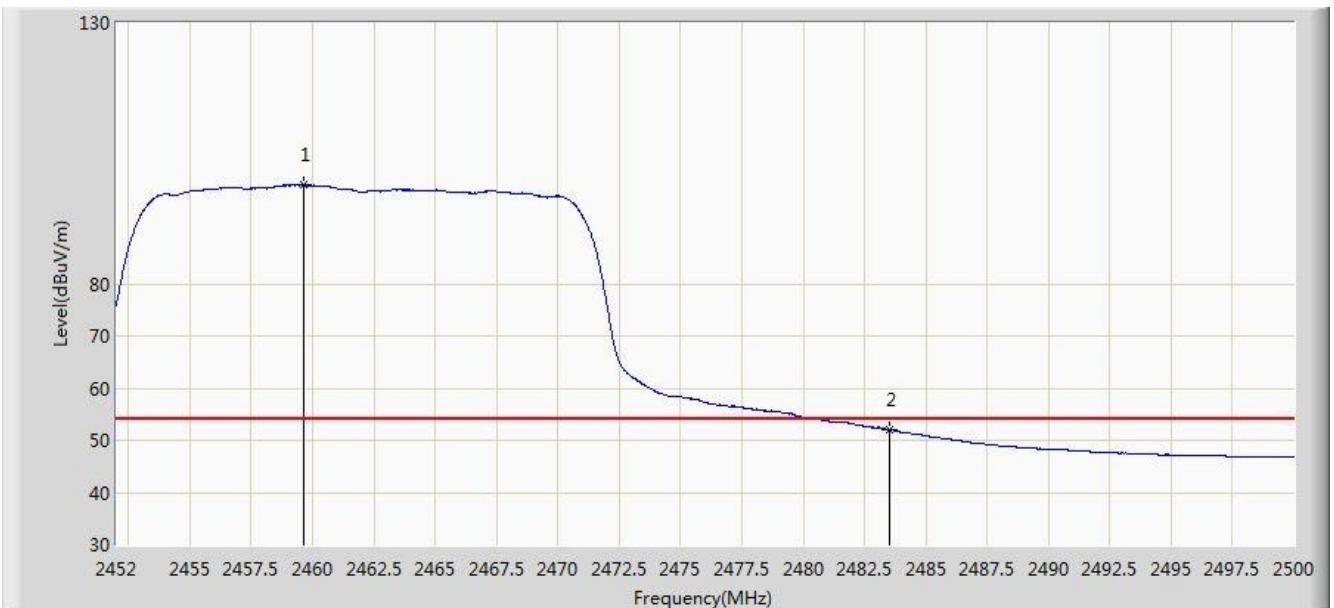


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	110.379	78.054	N/A	N/A	32.325	PK
2			2483.500	68.195	35.781	-5.805	74.000	32.414	PK
3			2484.112	68.734	36.317	-5.266	74.000	32.416	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 2	

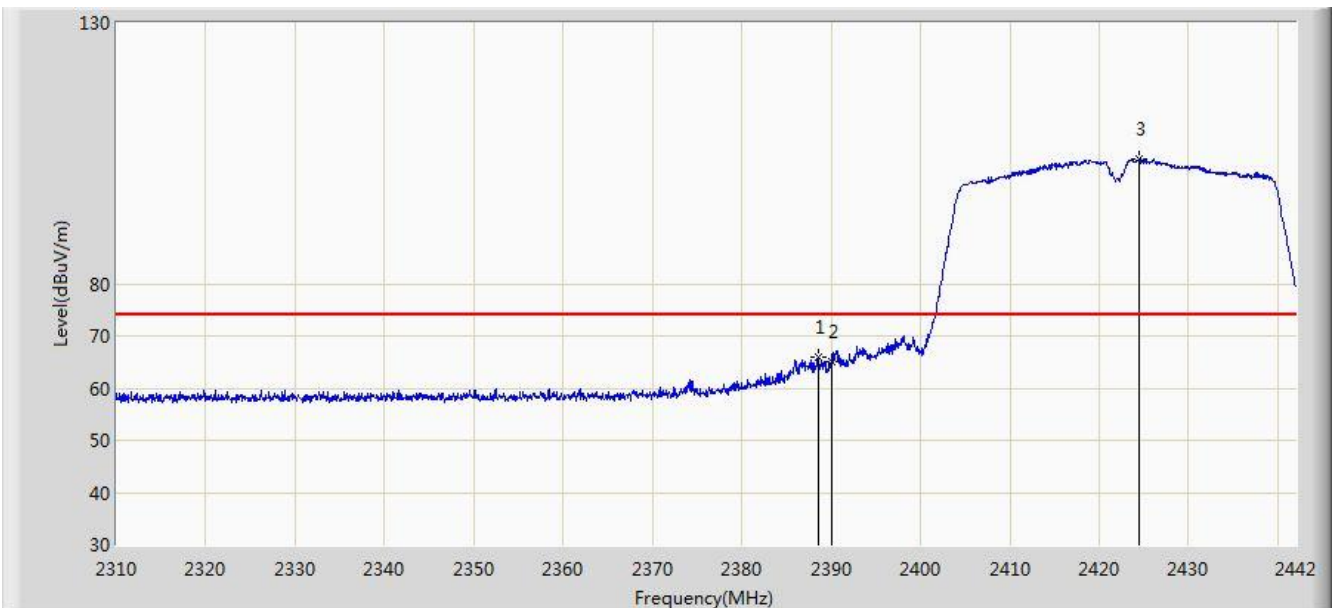


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.656	98.852	66.533	N/A	N/A	32.319	AV
2			2483.500	51.974	19.560	-2.026	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

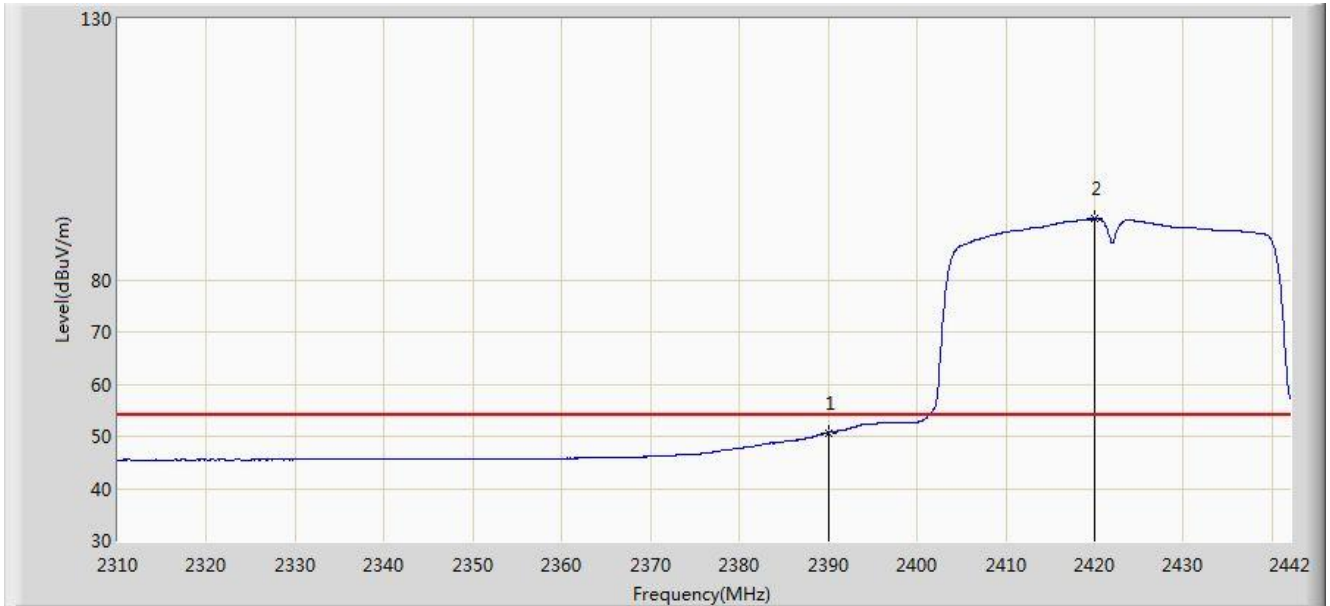


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.606	65.883	33.849	-8.117	74.000	32.034	PK
2			2390.000	65.148	33.108	-8.852	74.000	32.040	PK
3		*	2424.510	103.844	71.666	N/A	N/A	32.177	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

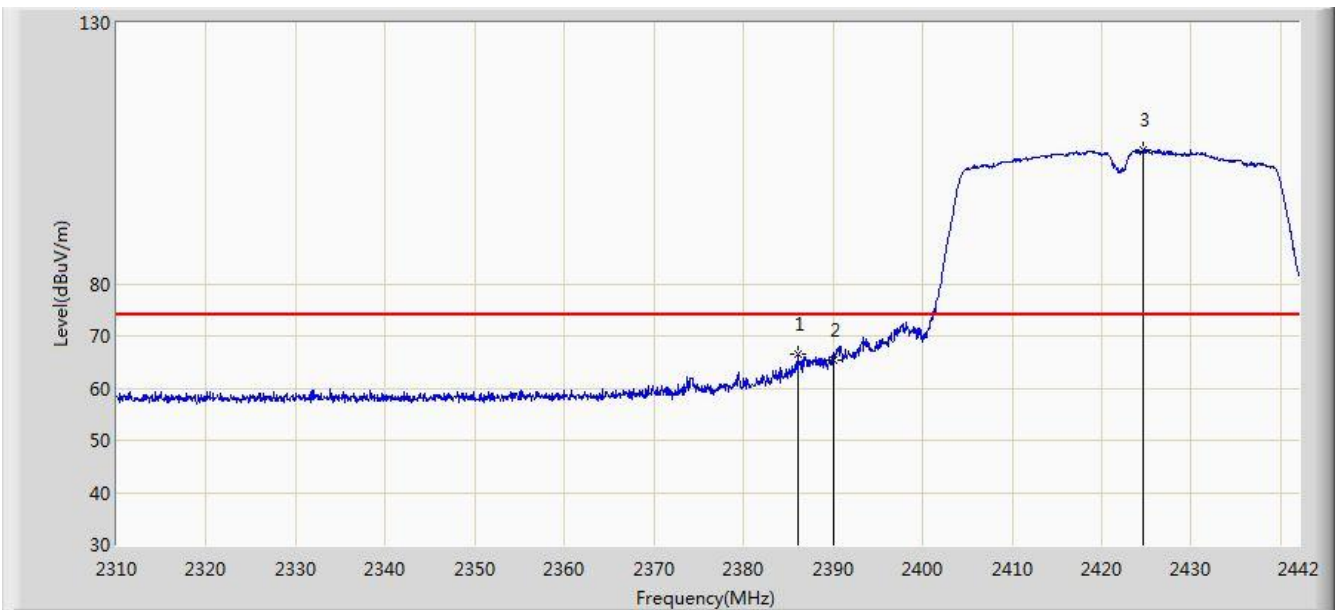


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.688	18.648	-3.312	54.000	32.040	AV
2		*	2419.956	91.657	59.498	N/A	N/A	32.160	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

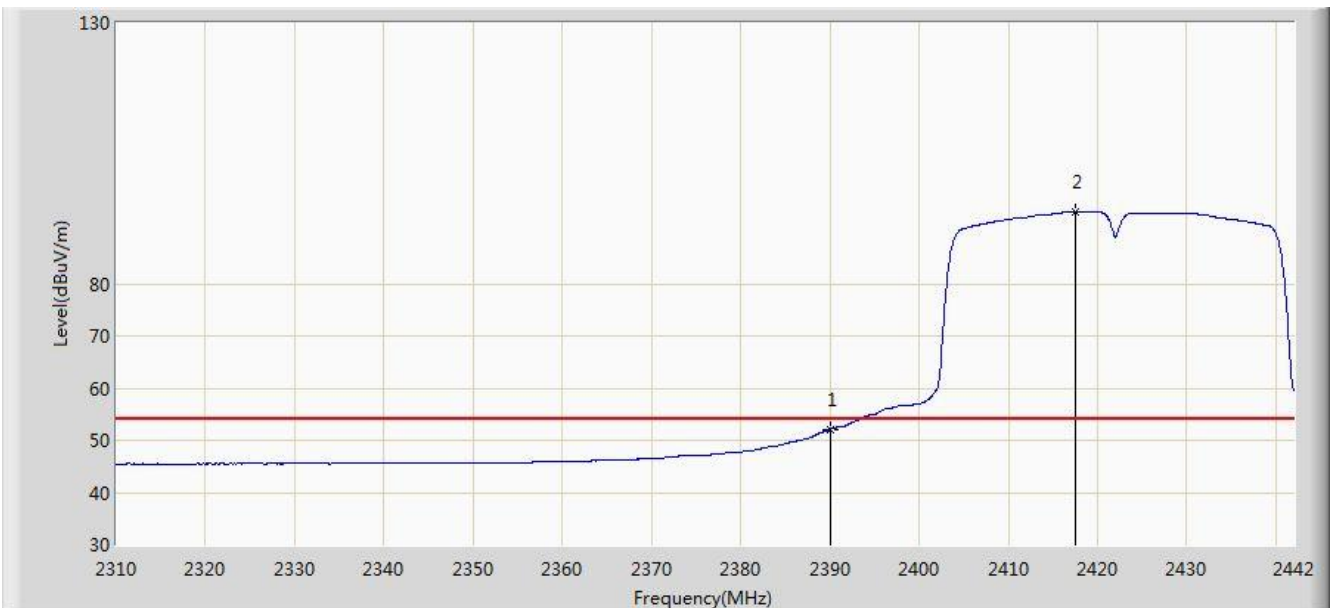


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.032	66.631	34.607	-7.369	74.000	32.024	PK
2			2390.000	65.458	33.418	-8.542	74.000	32.040	PK
3		*	2424.576	105.652	73.474	N/A	N/A	32.178	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 2	

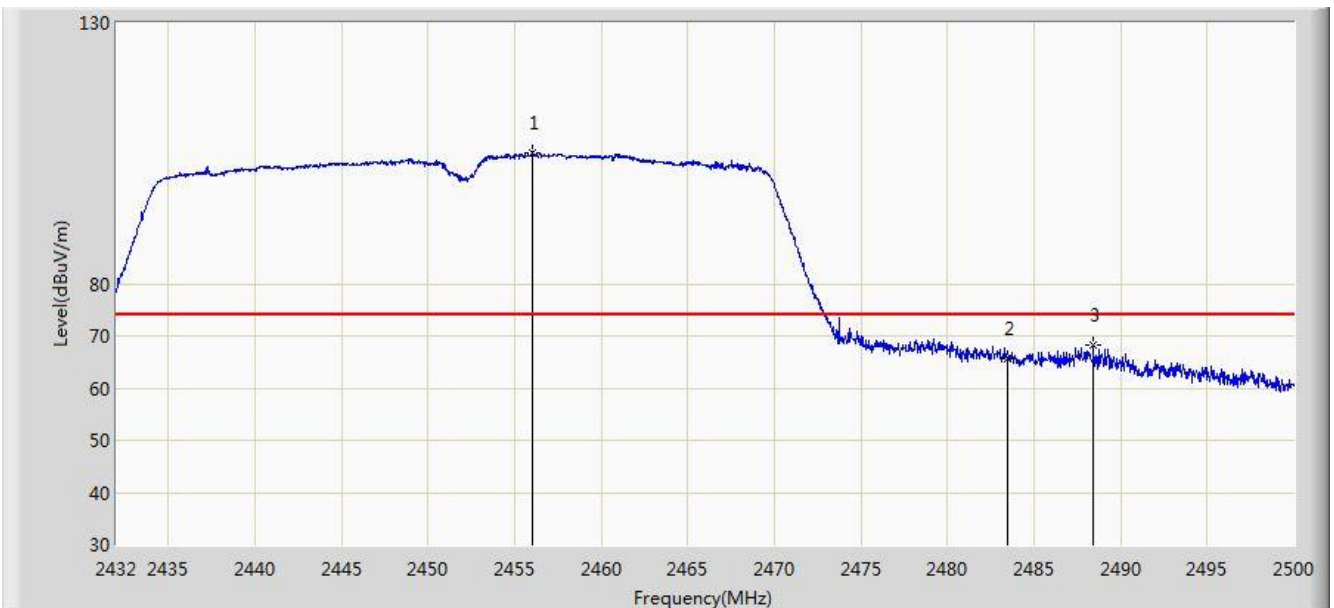


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.108	20.068	-1.892	54.000	32.040	AV
2		*	2417.514	93.699	61.549	N/A	N/A	32.150	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

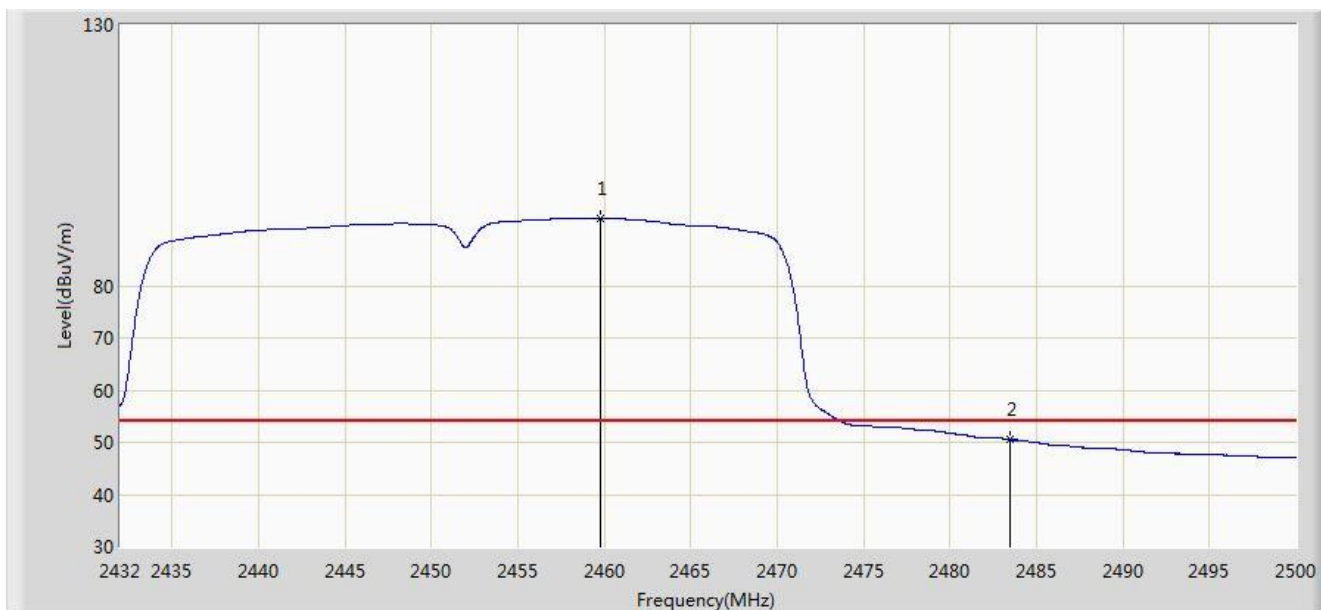


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.004	105.043	72.739	N/A	N/A	32.304	PK
2			2483.500	65.601	33.187	-8.399	74.000	32.414	PK
3			2488.406	68.156	35.722	-5.844	74.000	32.434	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

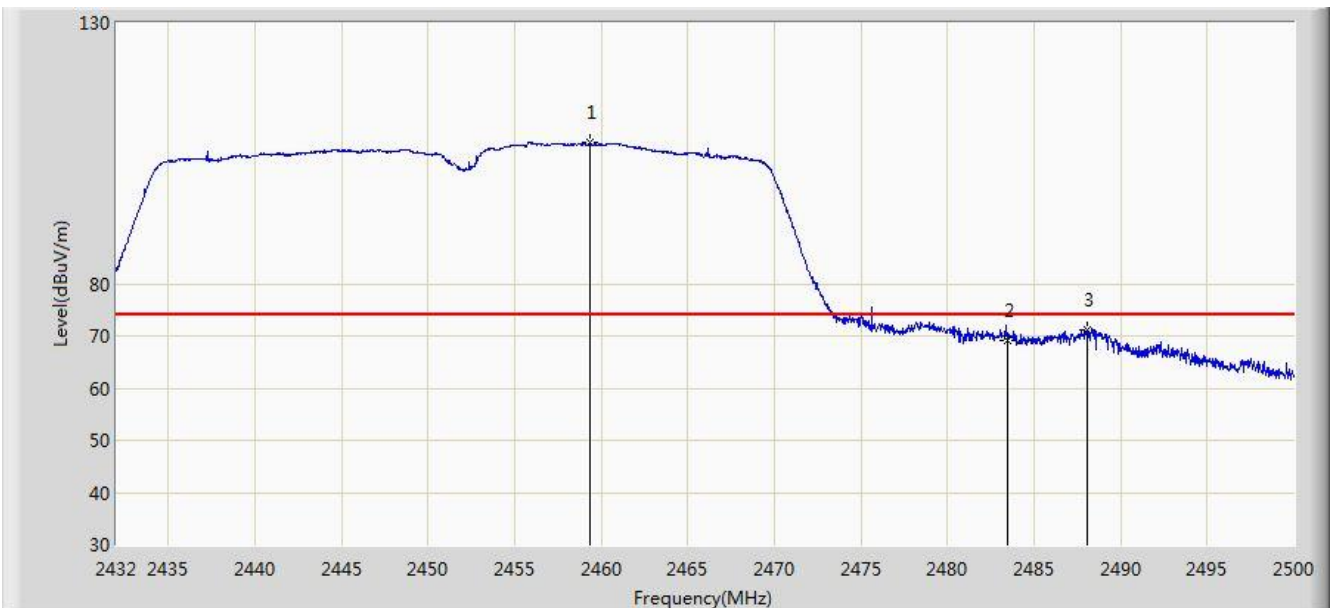


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.778	92.905	60.586	N/A	N/A	32.320	AV
2			2483.500	50.491	18.077	-3.509	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

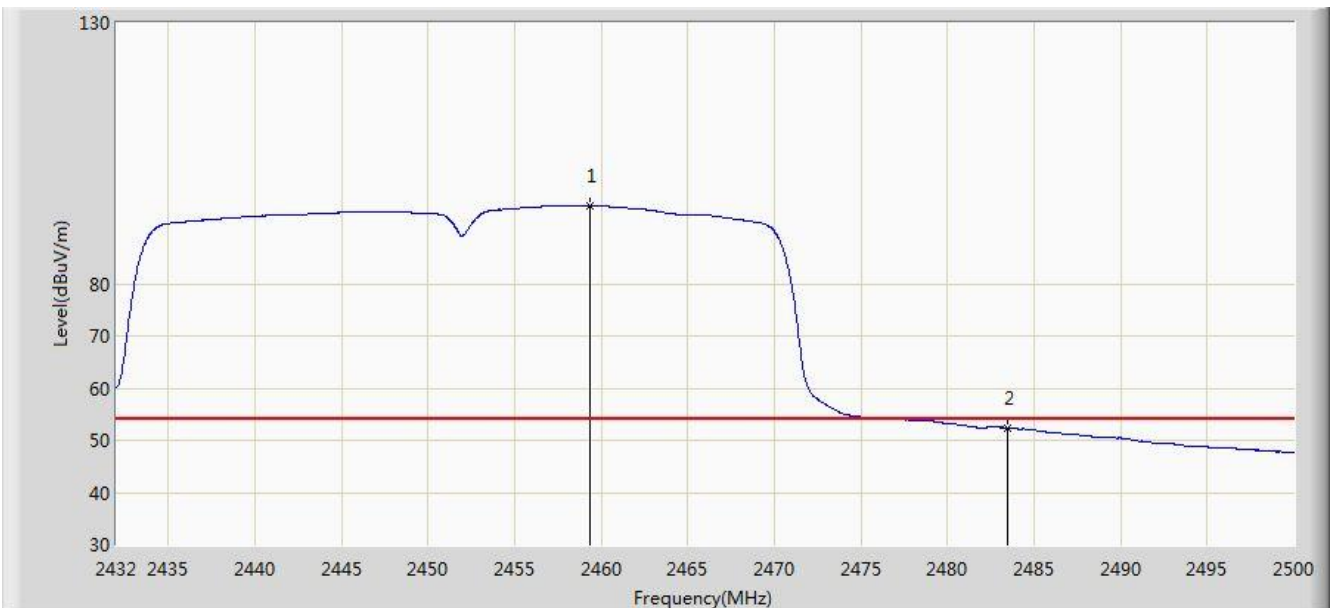


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.370	107.022	74.704	N/A	N/A	32.318	PK
2			2483.500	69.193	36.779	-4.807	74.000	32.414	PK
3			2488.032	71.161	38.729	-2.839	74.000	32.433	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 2	

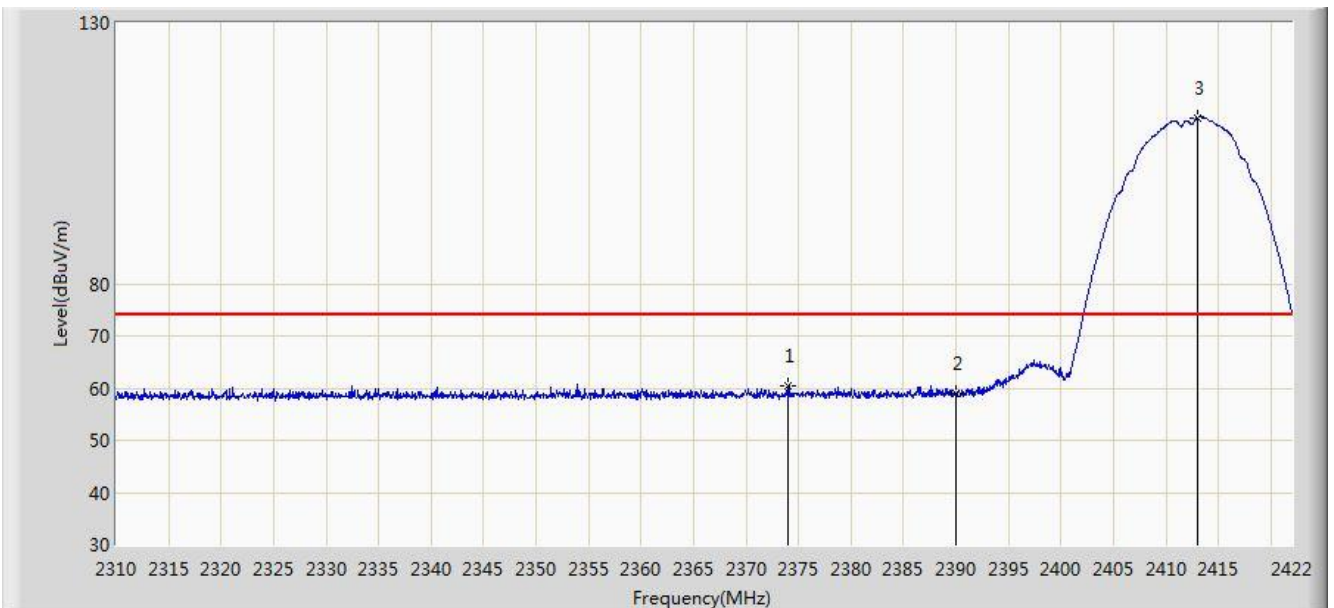


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.370	95.012	62.694	N/A	N/A	32.318	AV
2			2483.500	52.374	19.960	-1.626	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

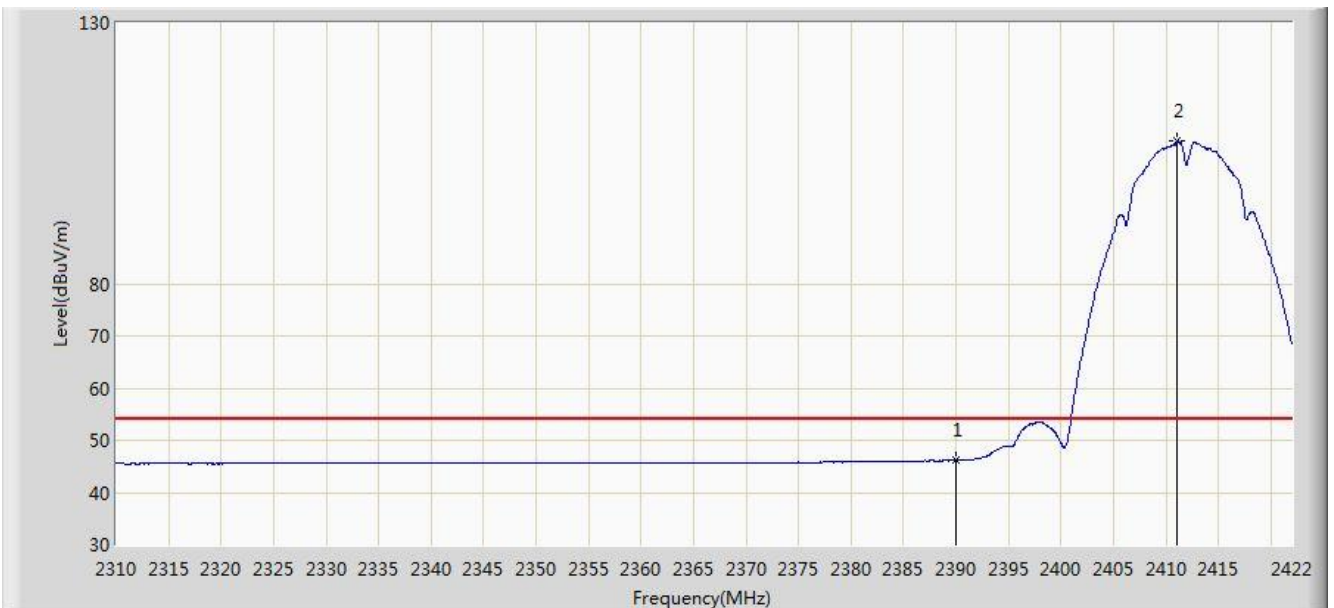


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2373.952	60.408	28.432	-13.592	74.000	31.976	PK
2			2390.000	58.856	26.816	-15.144	74.000	32.040	PK
3		*	2413.040	111.871	79.739	N/A	N/A	32.132	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

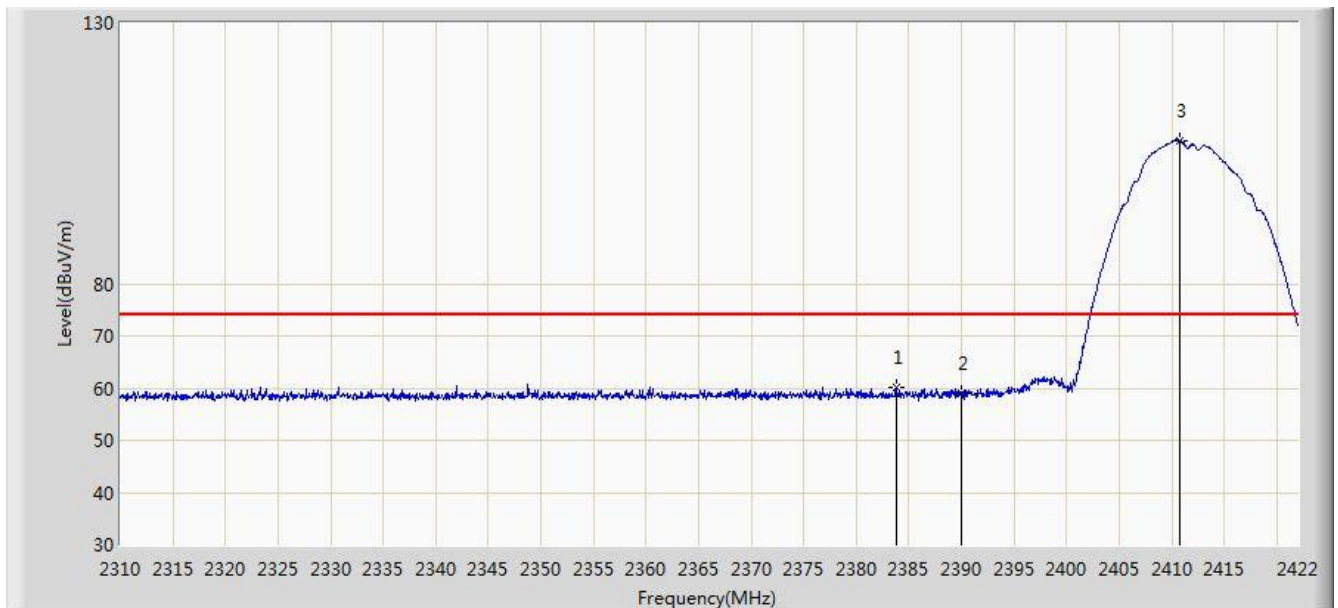


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.184	14.144	-7.816	54.000	32.040	AV
2		*	2411.080	107.255	75.131	N/A	N/A	32.124	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

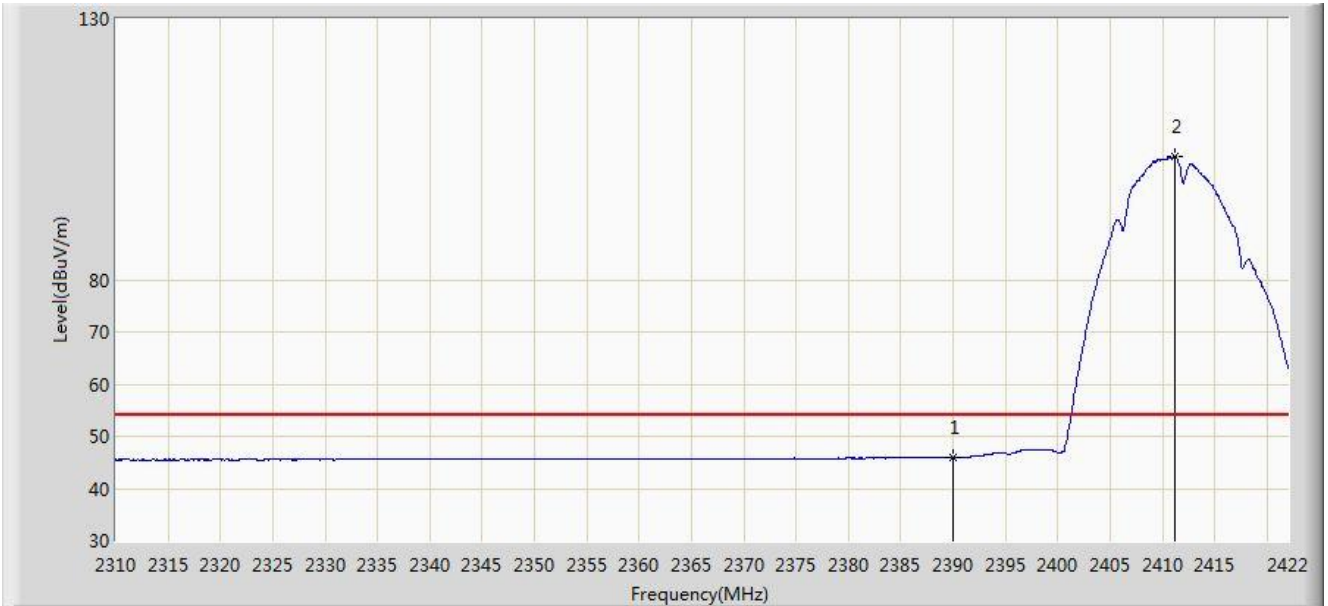


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.864	60.203	28.187	-13.797	74.000	32.016	PK
2			2390.000	59.074	27.034	-14.926	74.000	32.040	PK
3		*	2410.800	107.516	75.393	N/A	N/A	32.123	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1 + 2	

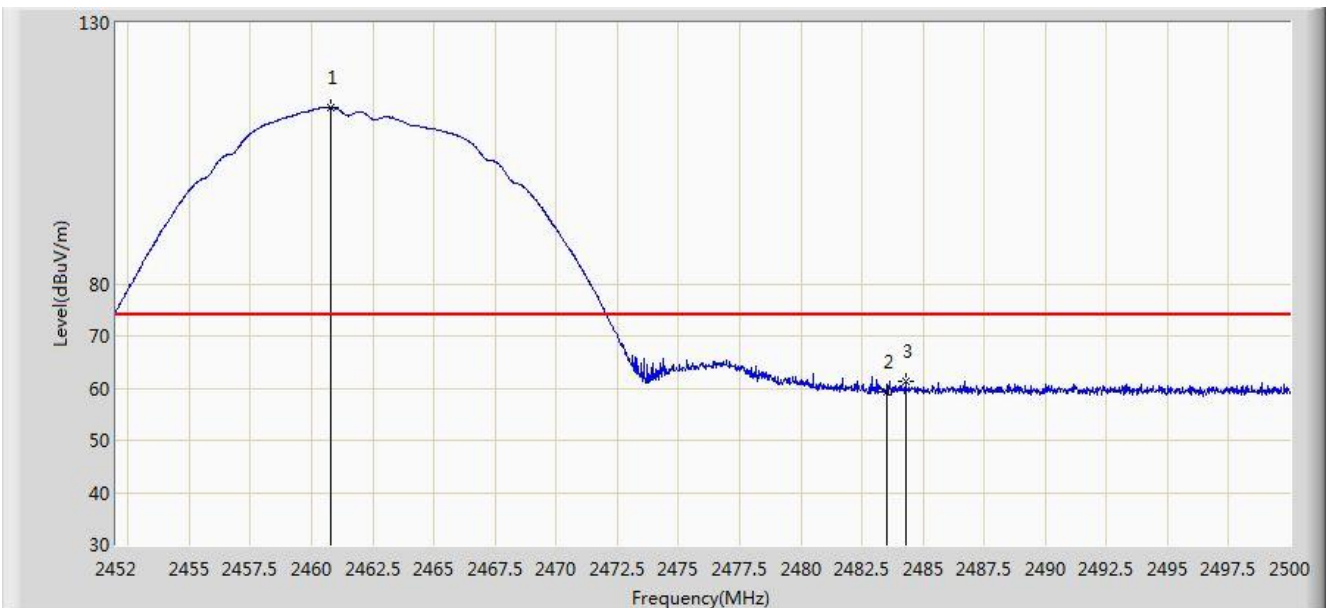


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.980	13.940	-8.020	54.000	32.040	AV
2		*	2411.136	103.649	71.525	N/A	N/A	32.124	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2460.784	113.711	81.388	N/A	N/A	32.324	PK
2			2483.500	59.266	26.852	-14.734	74.000	32.414	PK
3			2484.280	61.356	28.939	-12.644	74.000	32.417	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

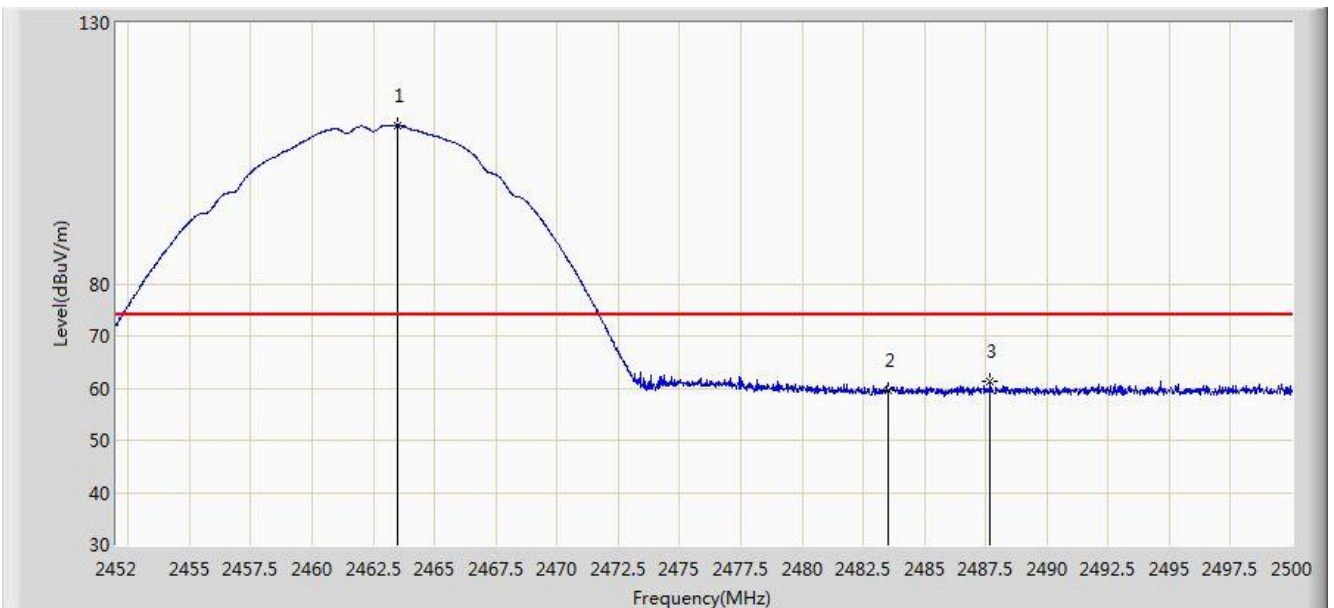


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	109.973	77.648	N/A	N/A	32.325	AV
2			2483.500	46.916	14.502	-7.084	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

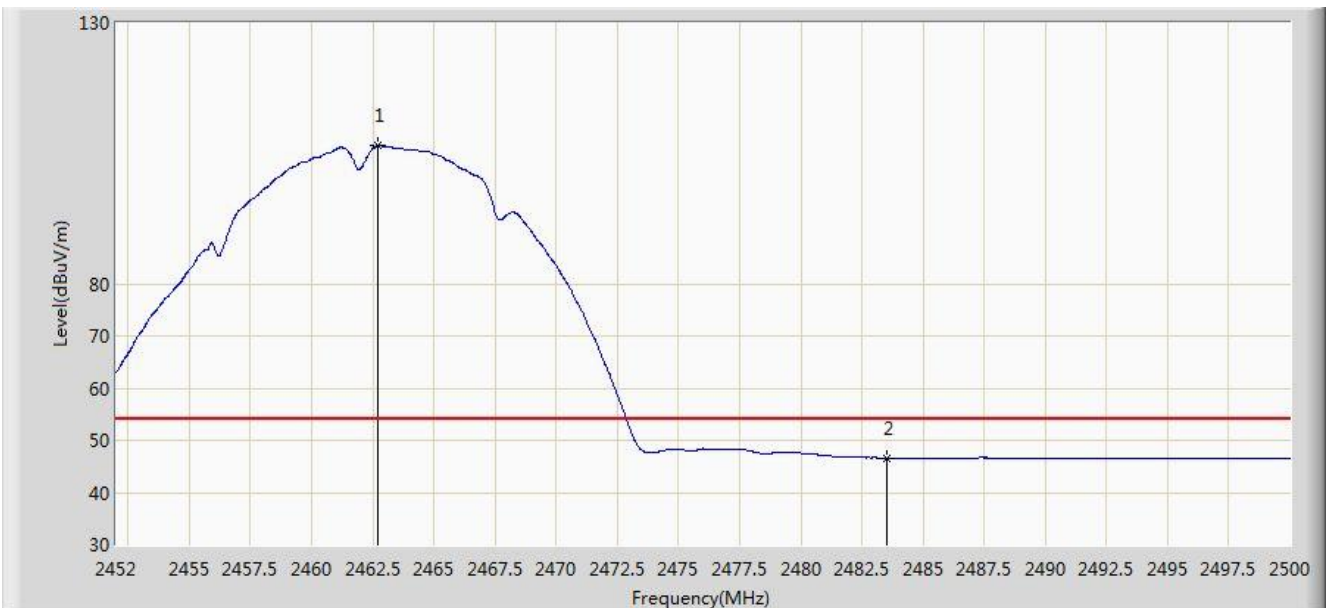


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.472	110.293	77.959	N/A	N/A	32.334	PK
2			2483.500	59.474	27.060	-14.526	74.000	32.414	PK
3			2487.688	61.320	28.889	-12.680	74.000	32.431	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1 + 2	

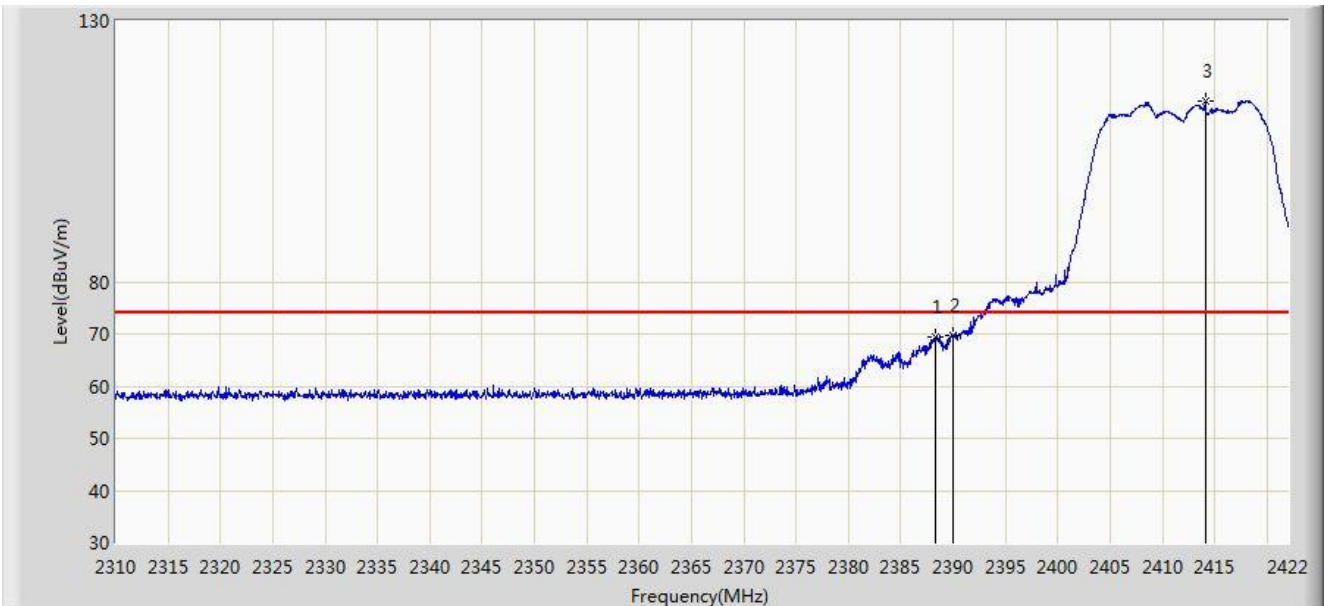


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.728	106.559	74.228	N/A	N/A	32.331	AV
2			2483.500	46.615	14.201	-7.385	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

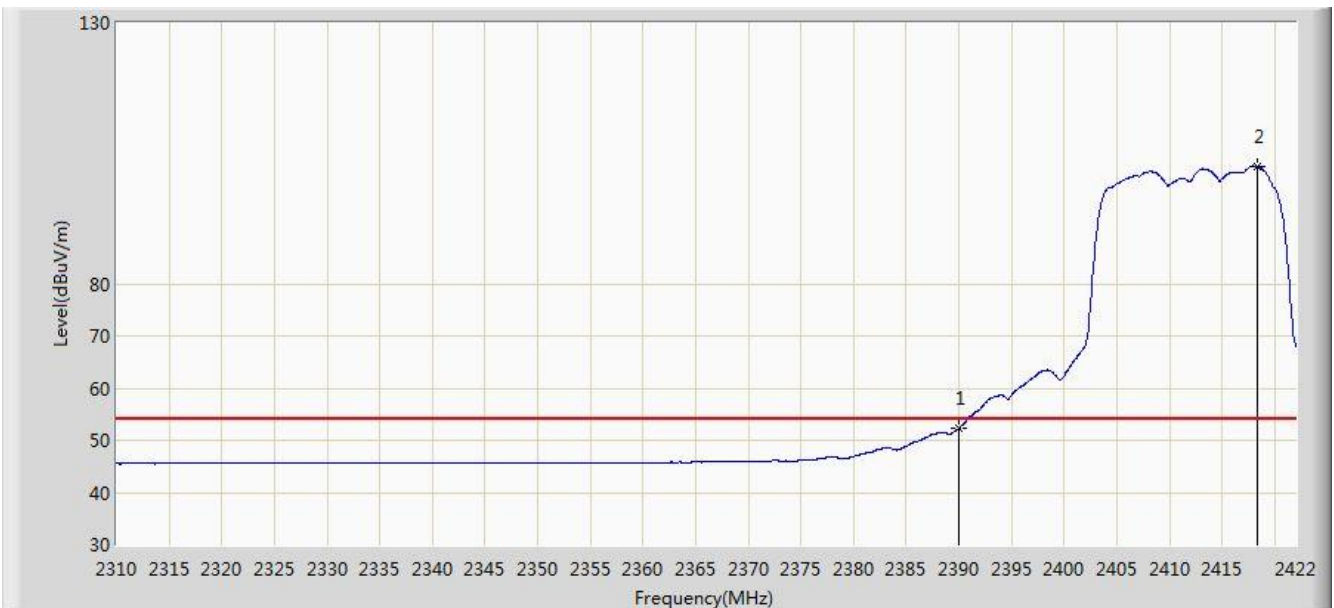


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.344	69.507	37.474	-4.493	74.000	32.033	PK
2			2390.000	69.645	37.605	-4.355	74.000	32.040	PK
3		*	2414.104	114.666	82.530	N/A	N/A	32.137	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1 + 2	

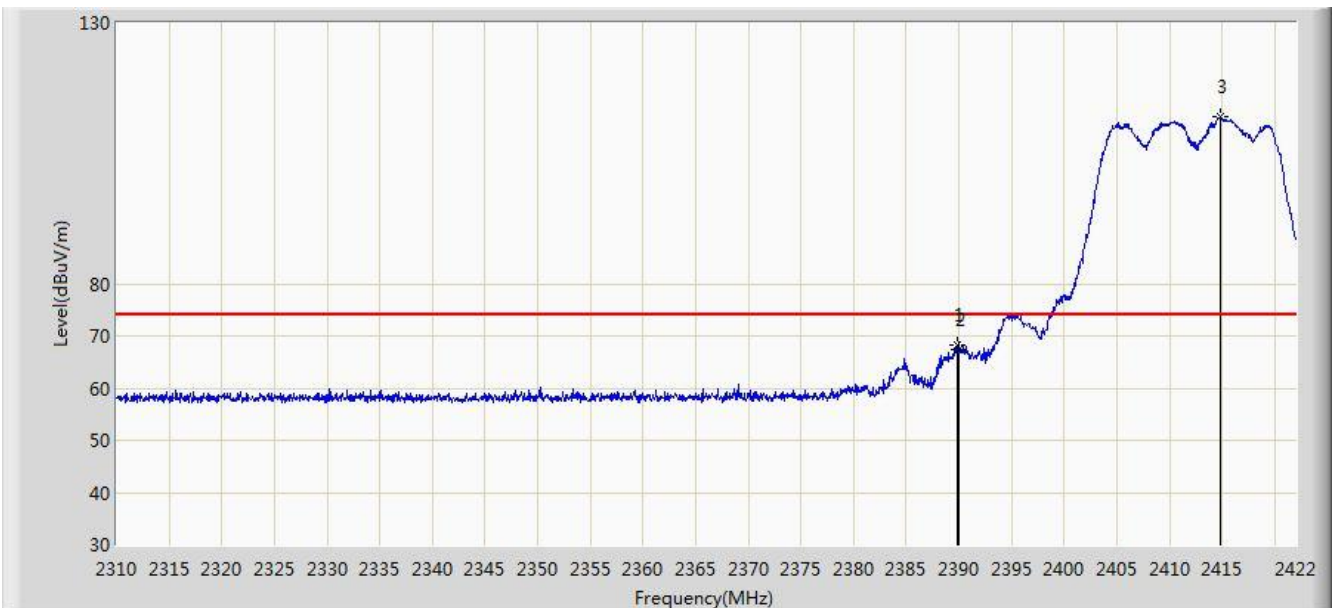


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.290	20.250	-1.710	54.000	32.040	AV
2		*	2418.304	102.571	70.418	N/A	N/A	32.153	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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			2389.800	68.158	36.119	-5.842	74.000	32.039	PK
2			2390.000	67.253	35.213	-6.747	74.000	32.040	PK
3		*	2414.832	111.939	79.800	N/A	N/A	32.139	PK

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

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

Site: AC1	Time: 2017/08/03 - 15:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	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	50.805	18.765	-3.195	54.000	32.040	AV
2		*	2410.464	98.630	66.508	N/A	N/A	32.121	AV

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

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

Site: AC1	Time: 2017/08/03 - 15:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	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		*	2458.624	115.870	83.555	N/A	N/A	32.314	PK
2			2483.500	71.308	38.894	-2.692	74.000	32.414	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

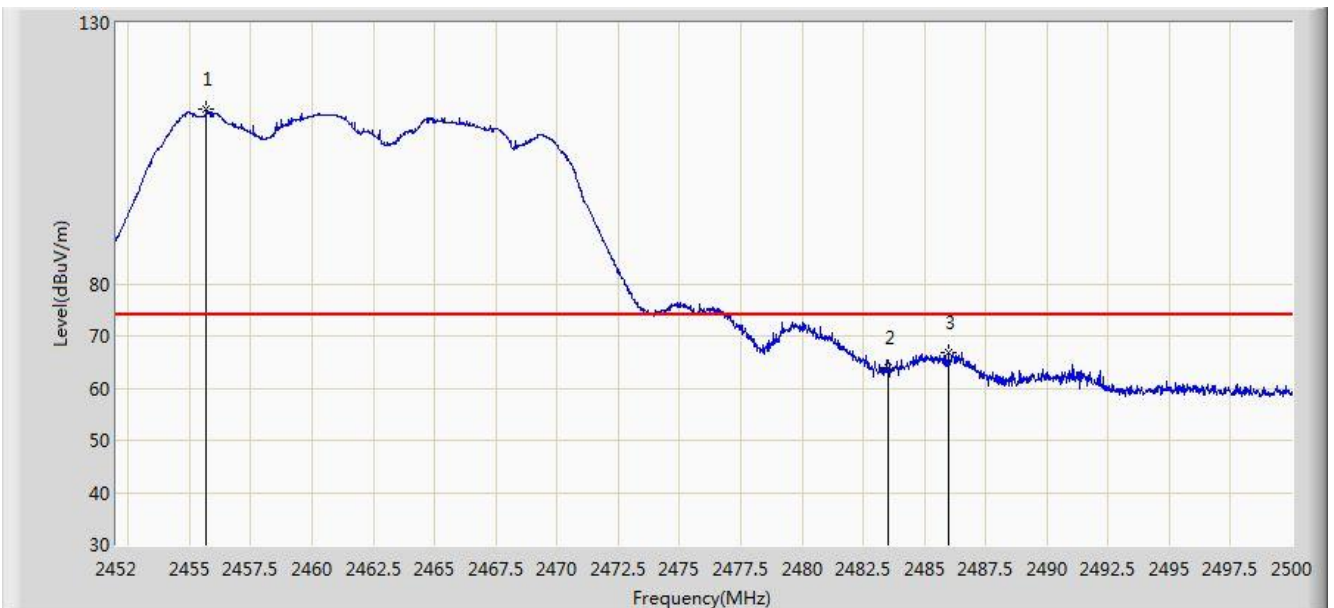


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.840	102.545	70.229	N/A	N/A	32.316	AV
2			2483.500	53.506	21.092	-0.494	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

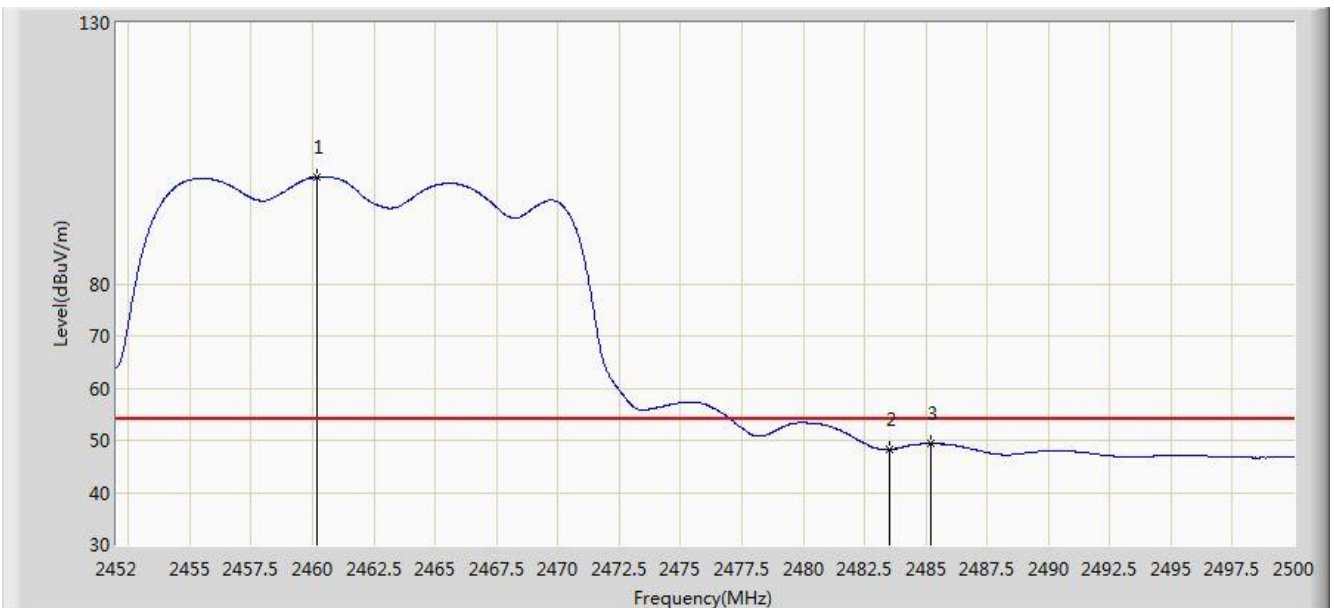


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.672	113.521	81.218	N/A	N/A	32.303	PK
2			2483.500	64.036	31.622	-9.964	74.000	32.414	PK
3			2485.960	66.705	34.281	-7.295	74.000	32.424	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1 + 2	

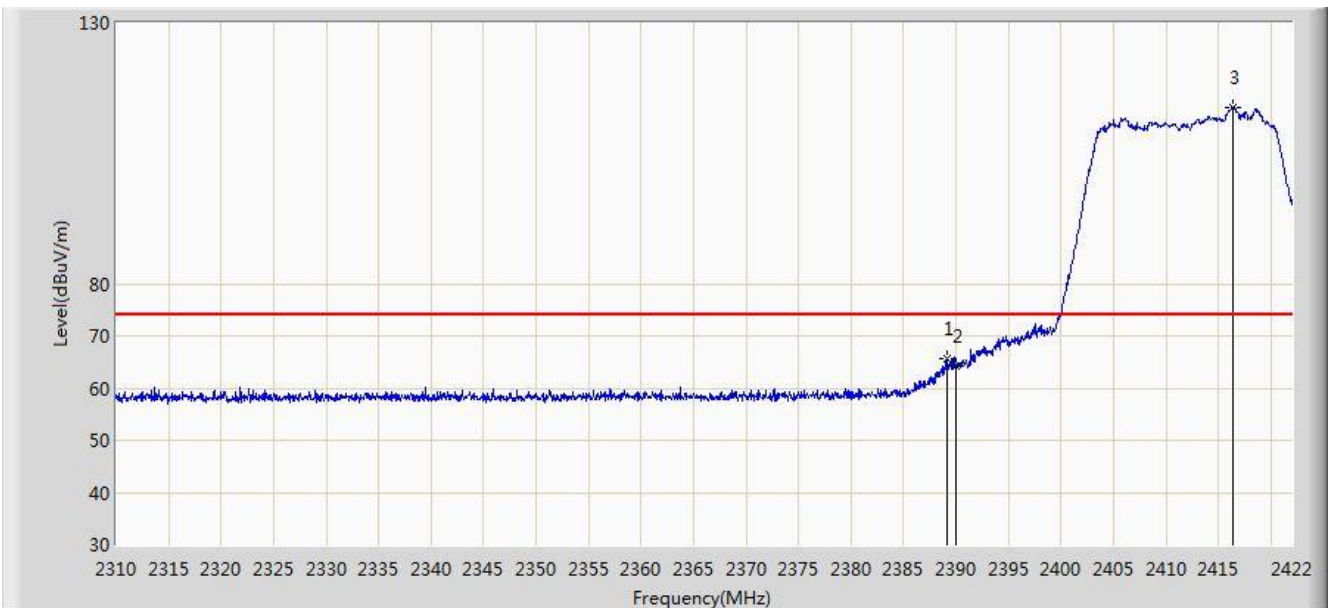


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.184	100.402	68.081	N/A	N/A	32.321	AV
2			2483.500	48.186	15.772	-5.814	54.000	32.414	AV
3			2485.192	49.393	16.972	-4.607	54.000	32.420	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode)	

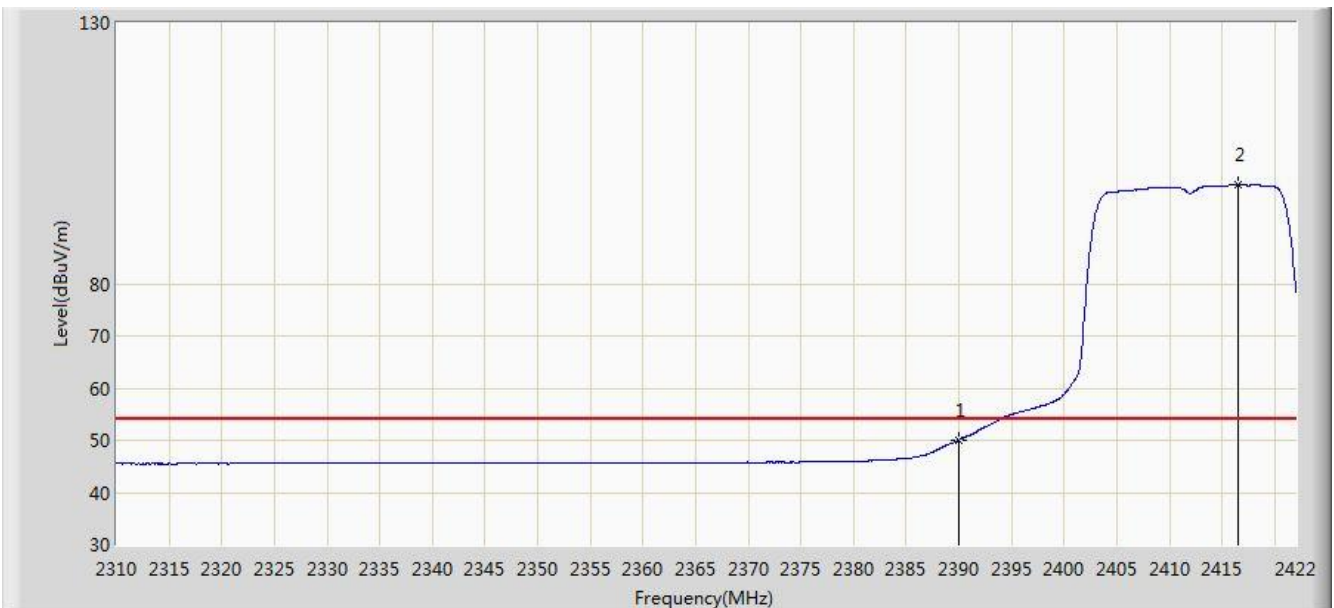


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.128	65.710	33.673	-8.290	74.000	32.037	PK
2			2390.000	64.288	32.248	-9.712	74.000	32.040	PK
3		*	2416.400	113.774	81.629	N/A	N/A	32.145	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode)	

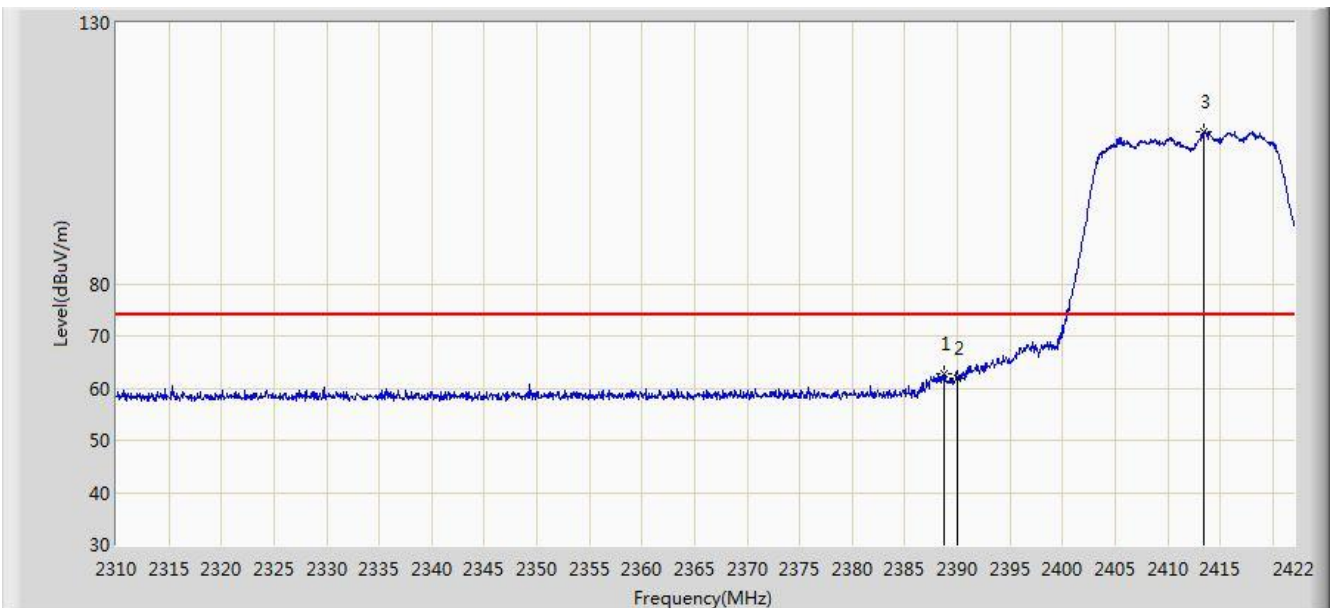


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.076	18.036	-3.924	54.000	32.040	AV
2		*	2416.568	99.027	66.881	N/A	N/A	32.146	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode)	

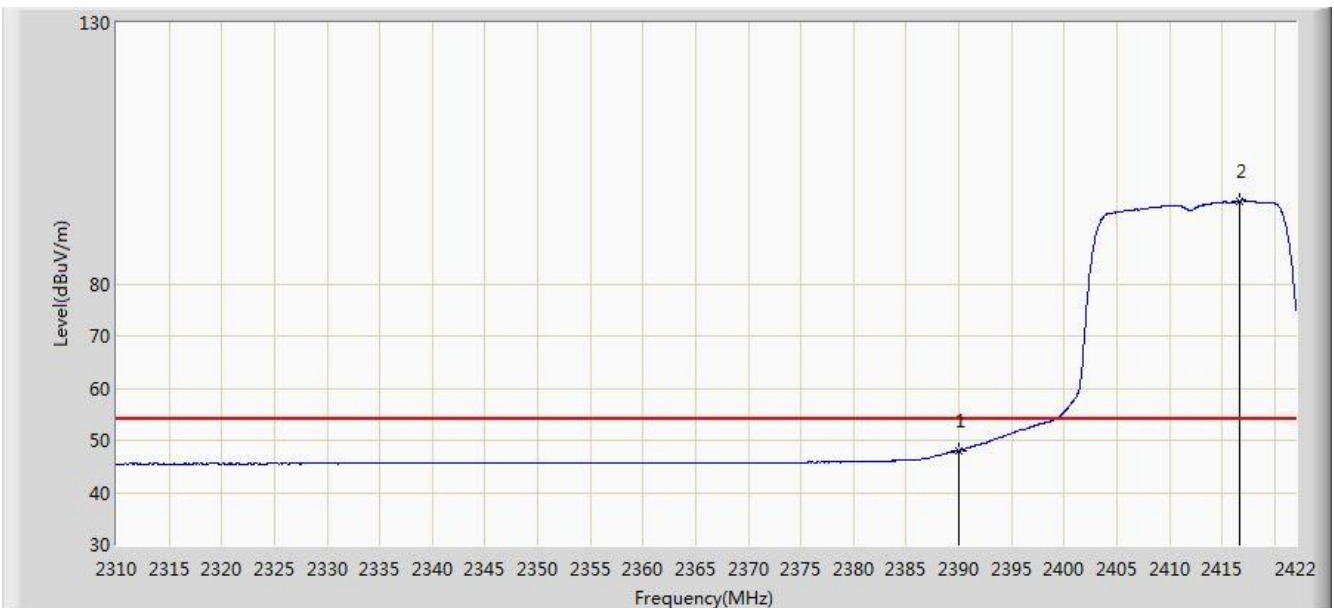


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.792	62.690	30.655	-11.310	74.000	32.036	PK
2			2390.000	61.879	29.839	-12.121	74.000	32.040	PK
3		*	2413.488	109.098	76.964	N/A	N/A	32.134	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 1 + 2(CDD Mode)	

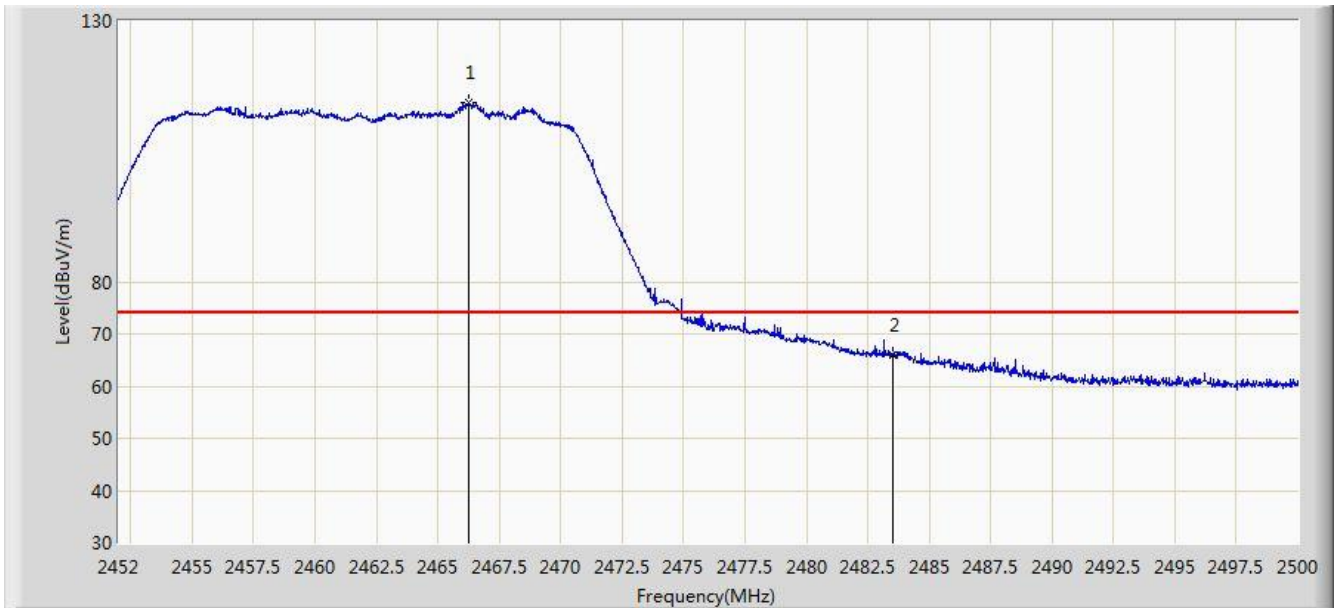


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.072	16.032	-5.928	54.000	32.040	AV
2		*	2416.736	95.906	63.759	N/A	N/A	32.147	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode)	

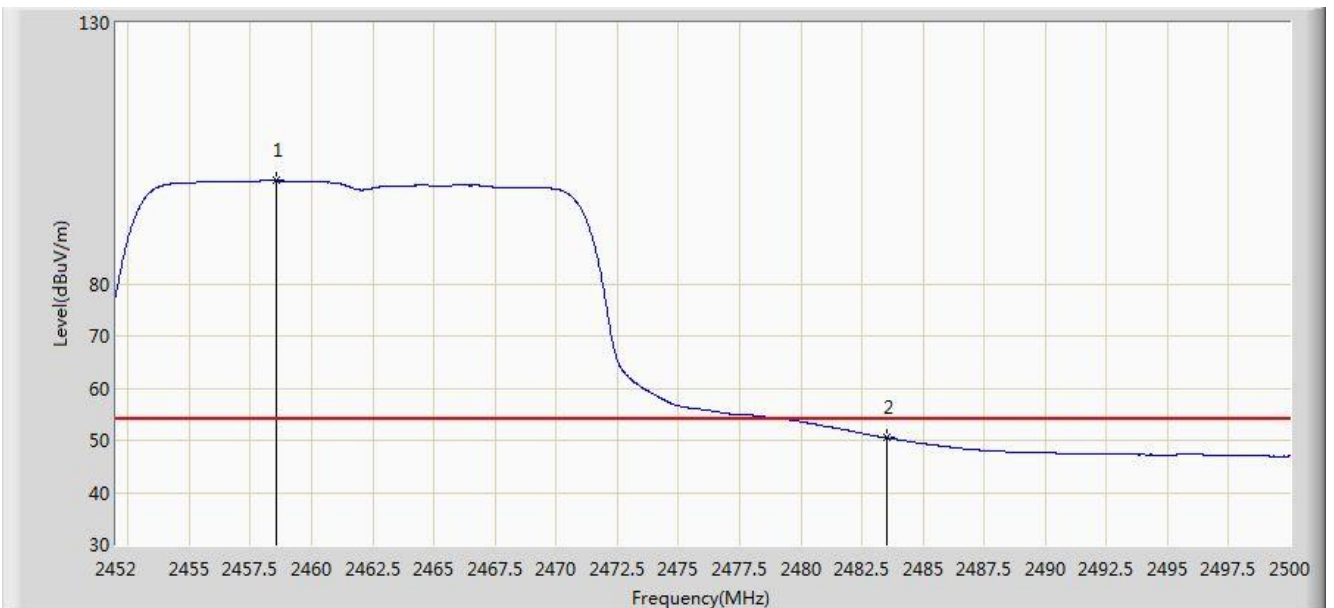


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.232	114.380	82.035	N/A	N/A	32.345	PK
2			2483.500	65.976	33.562	-8.024	74.000	32.414	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode)	

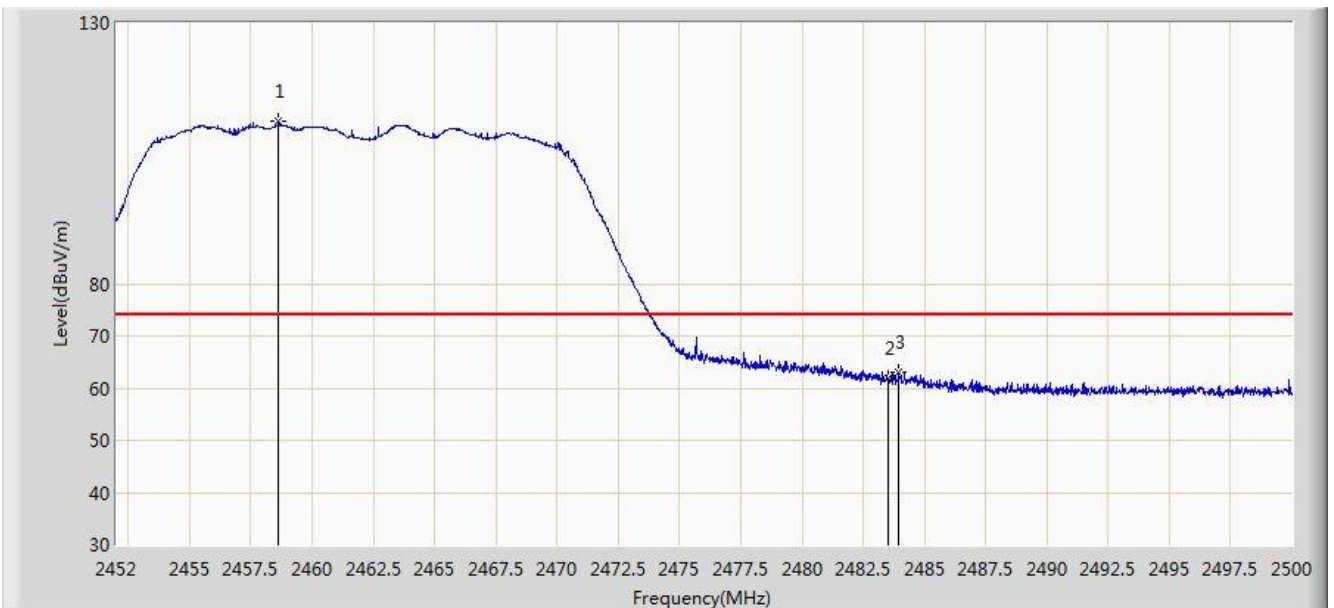


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.552	99.734	67.419	N/A	N/A	32.314	AV
2			2483.500	50.482	18.068	-3.518	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode)	

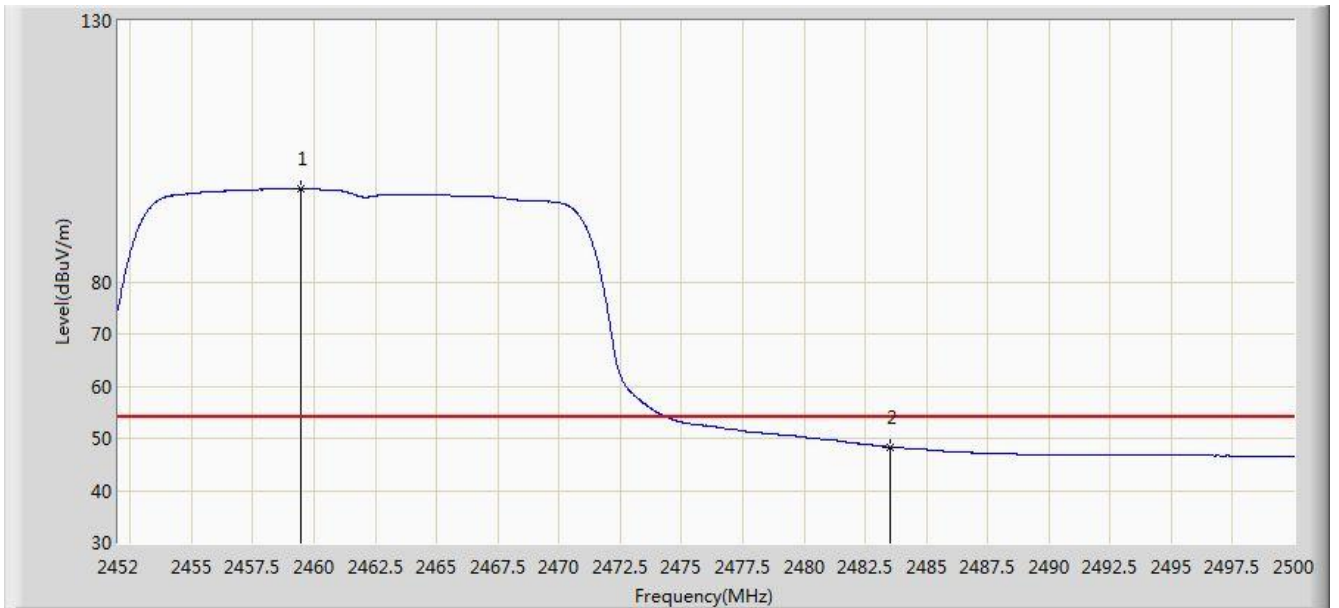


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.624	111.130	78.815	N/A	N/A	32.314	PK
2			2483.500	61.868	29.454	-12.132	74.000	32.414	PK
3			2483.968	62.970	30.554	-11.030	74.000	32.416	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 1 + 2(CDD Mode)	

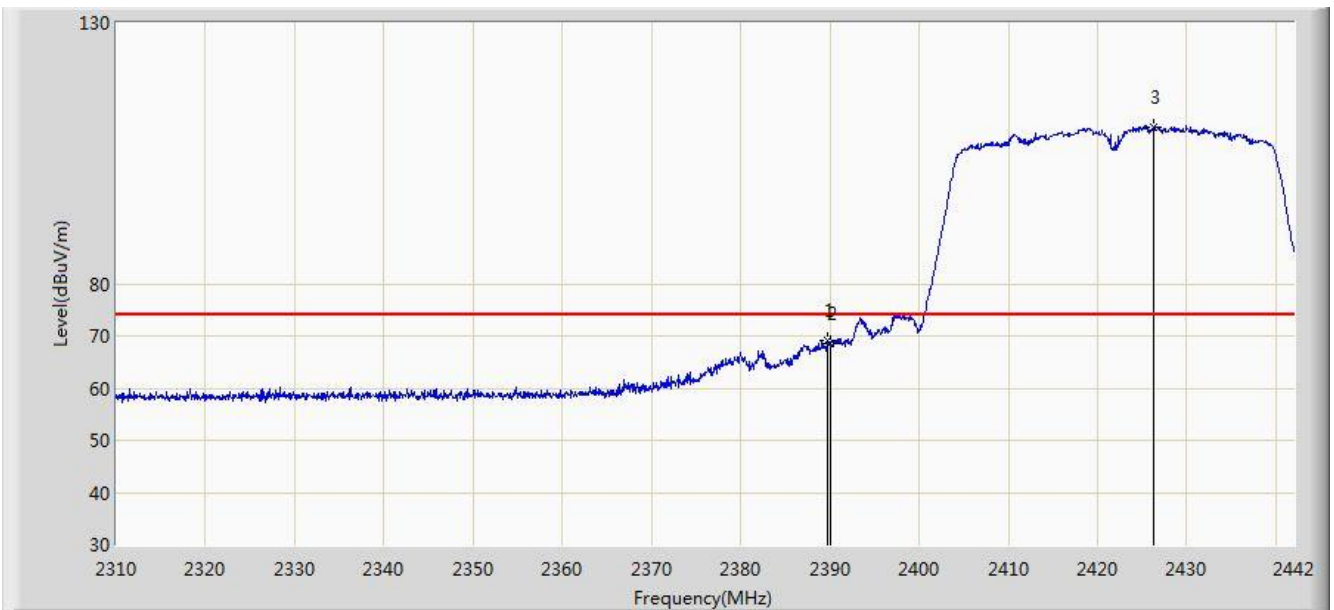


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.440	97.780	65.462	N/A	N/A	32.318	AV
2			2483.500	48.372	15.958	-5.628	54.000	32.414	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode)	

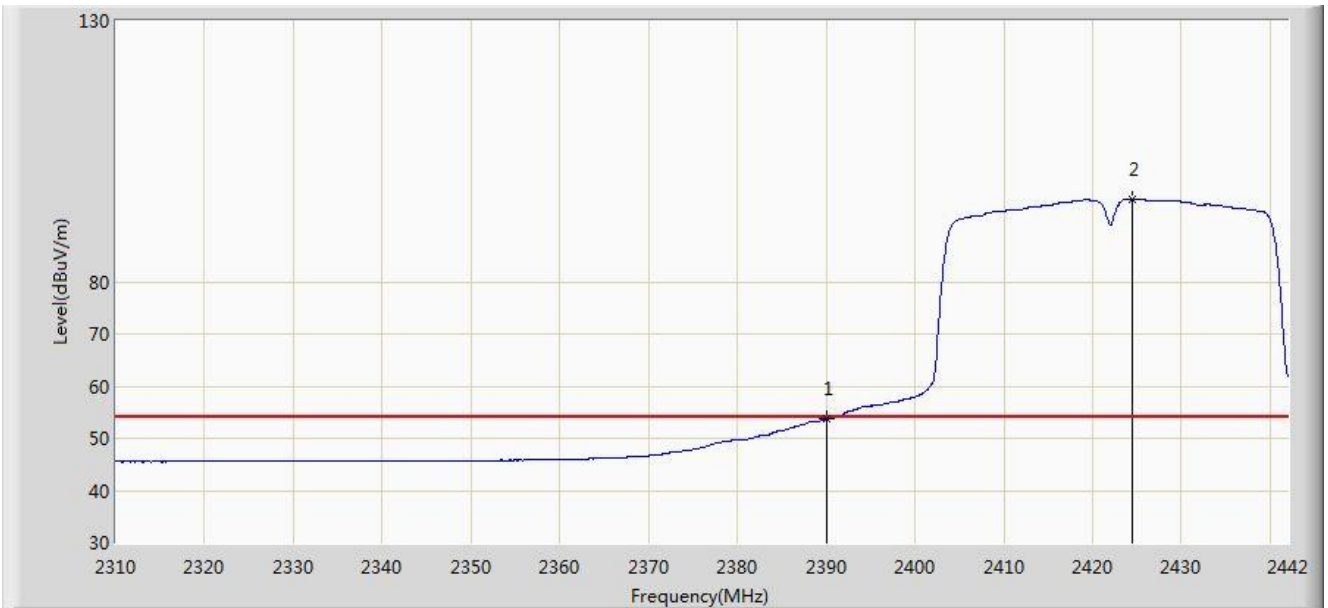


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.794	69.129	37.090	-4.871	74.000	32.039	PK
2			2390.000	68.510	36.470	-5.490	74.000	32.040	PK
3		*	2426.292	110.113	77.928	N/A	N/A	32.184	PK

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

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

Site: AC1	Time: 2017/08/03 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode)	

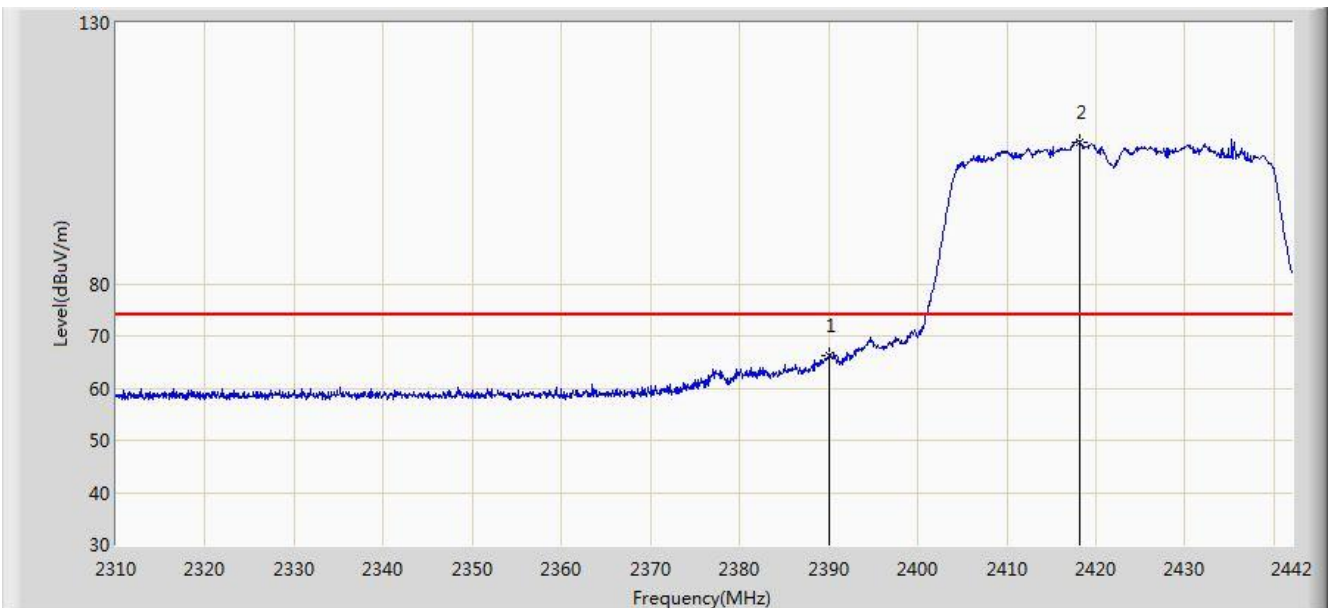


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.646	21.606	-0.354	54.000	32.040	AV
2		*	2424.510	95.862	63.684	N/A	N/A	32.177	AV

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

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

Site: AC1	Time: 2017/08/03 - 16:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220i Wi-Fi AP ID omni antenna US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 1 + 2(CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	66.231	34.191	-7.769	74.000	32.040	PK
2		*	2418.108	107.242	75.090	N/A	N/A	32.152	PK

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

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