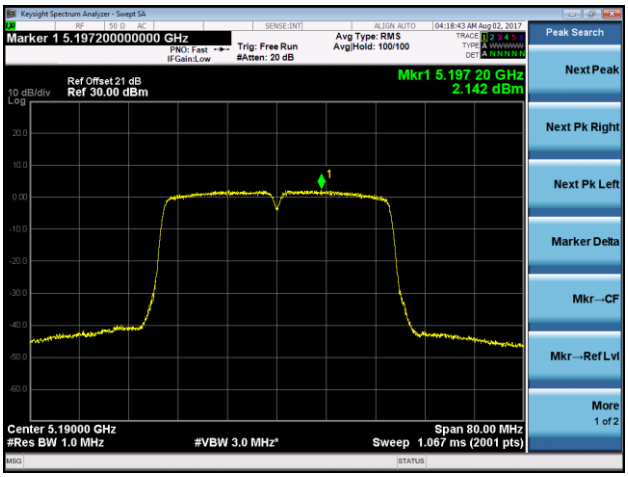
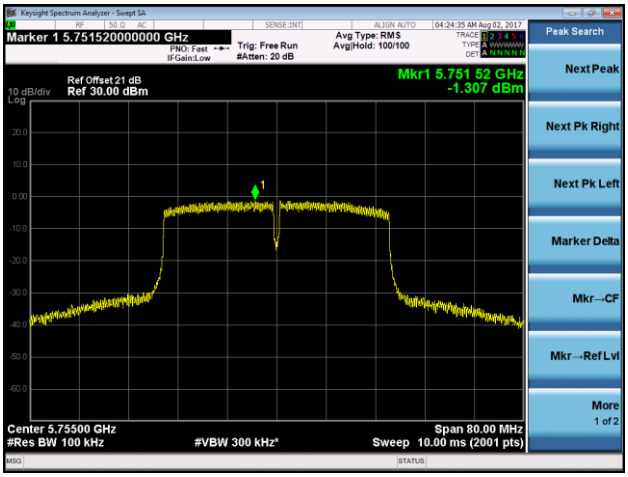
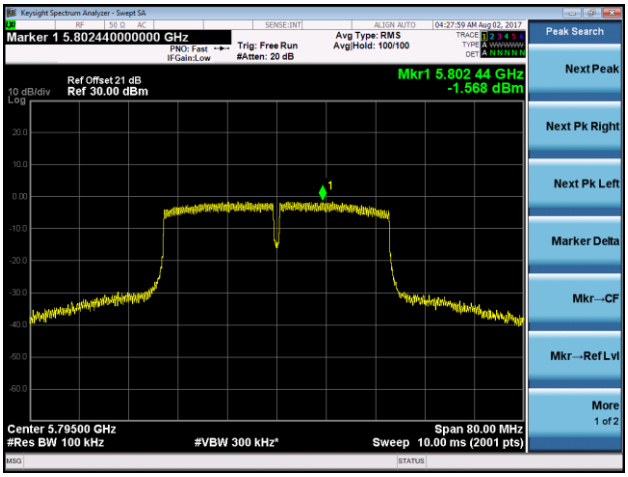
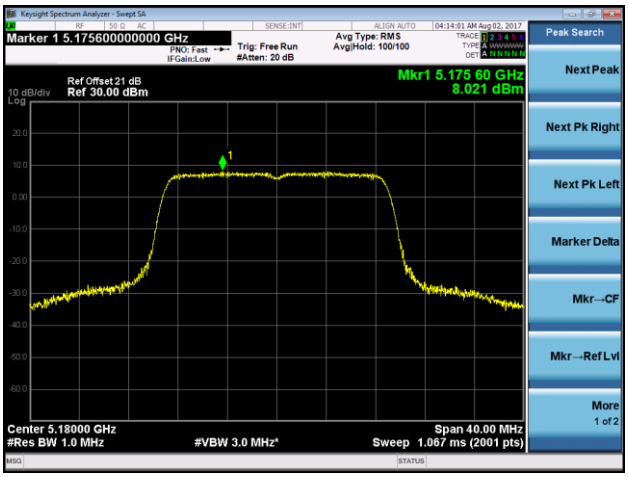
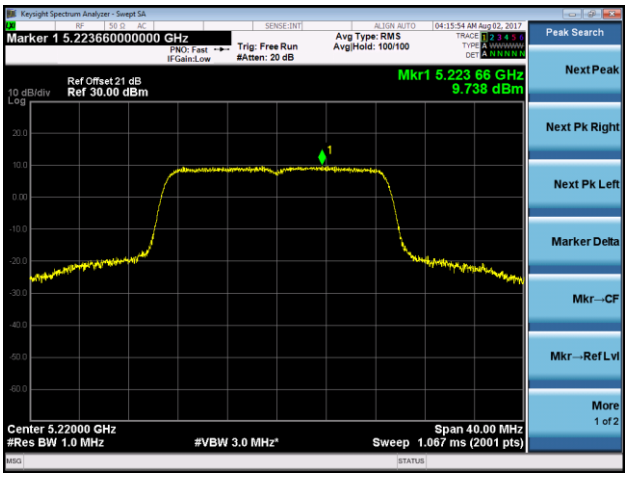
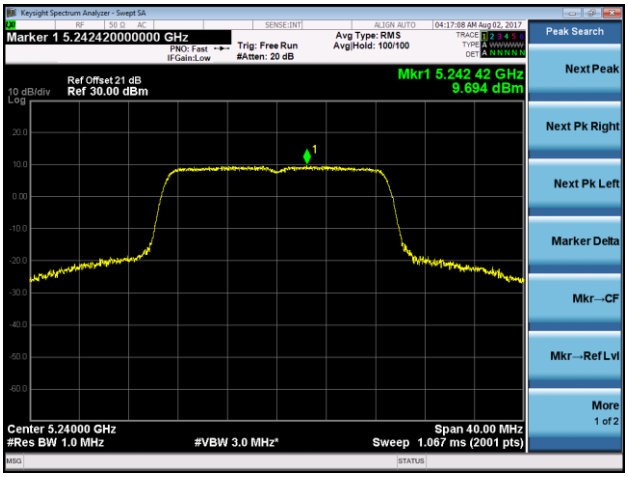
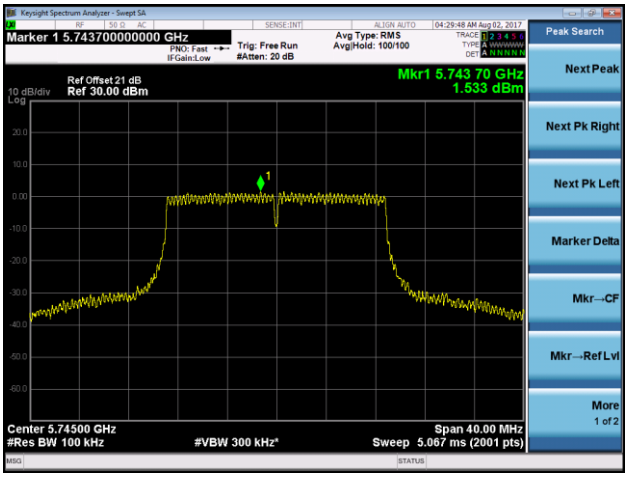
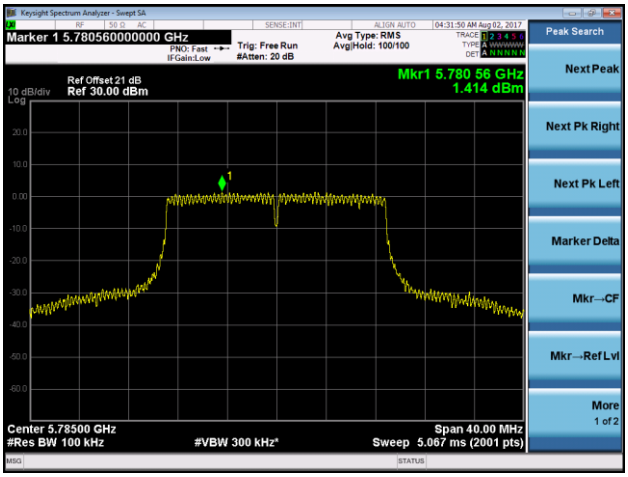
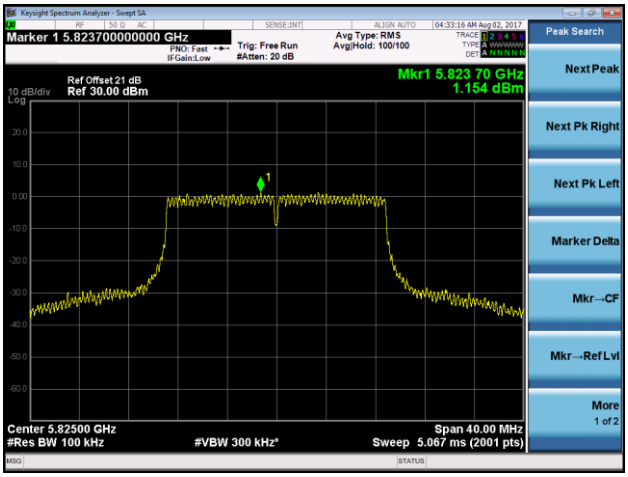
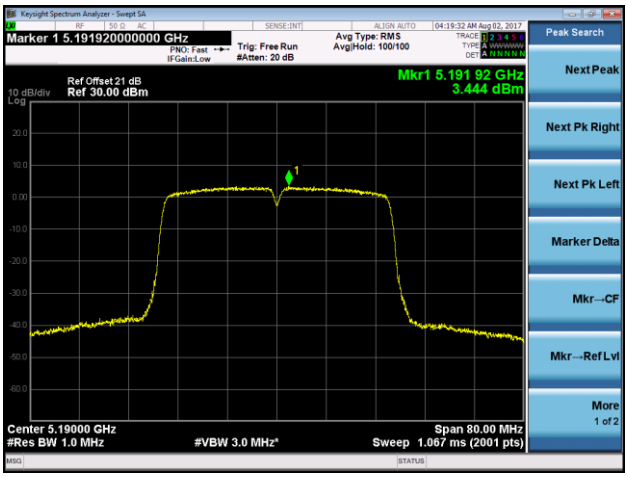
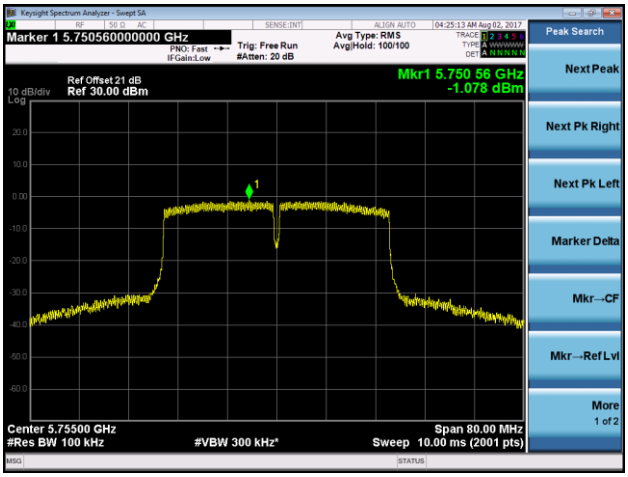
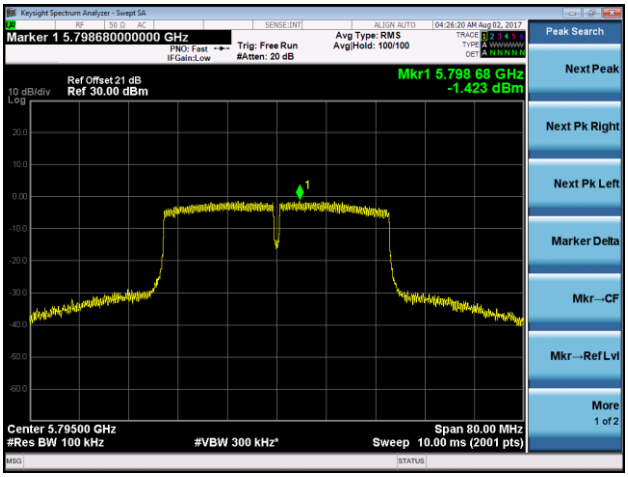
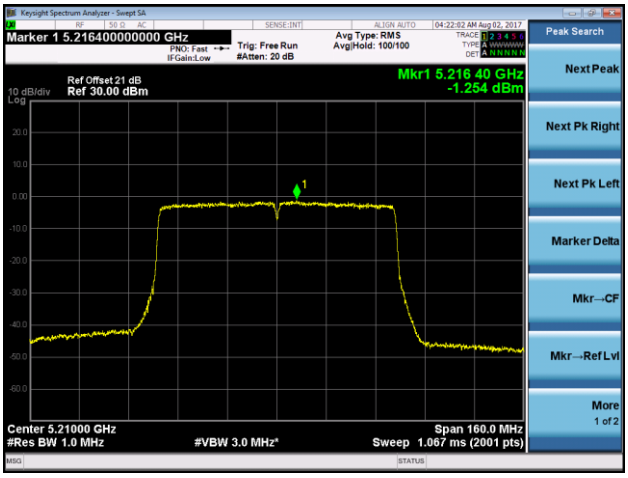
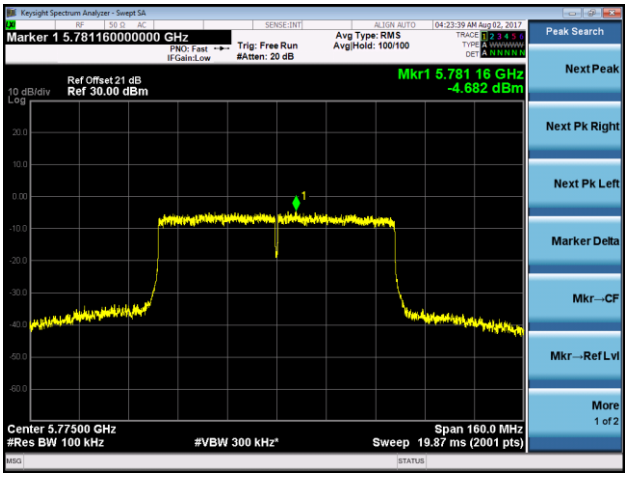
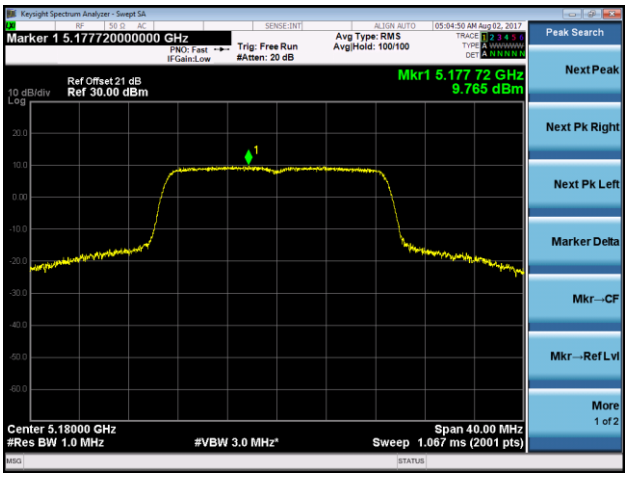
802.11n-HT40Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT20 Power Spectral Density- Ant 1 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

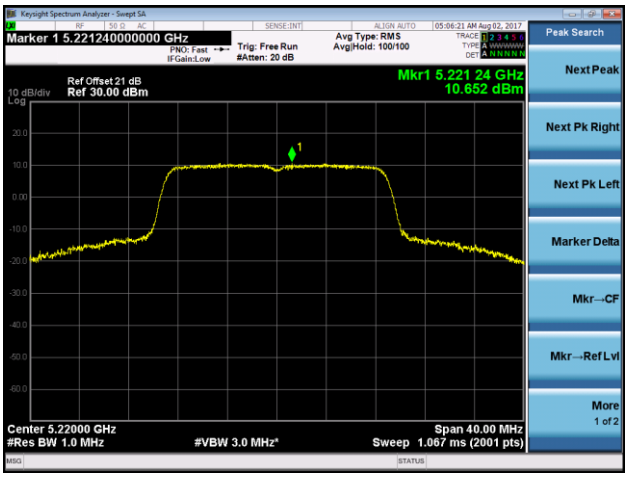
802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

802.11n-HT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

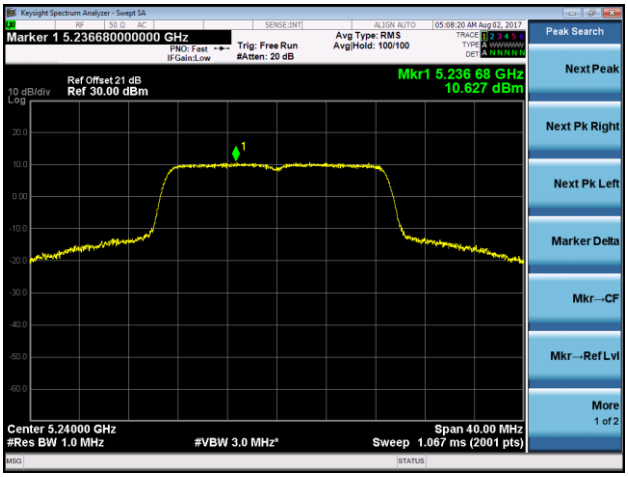
Channel 36 (5180MHz)



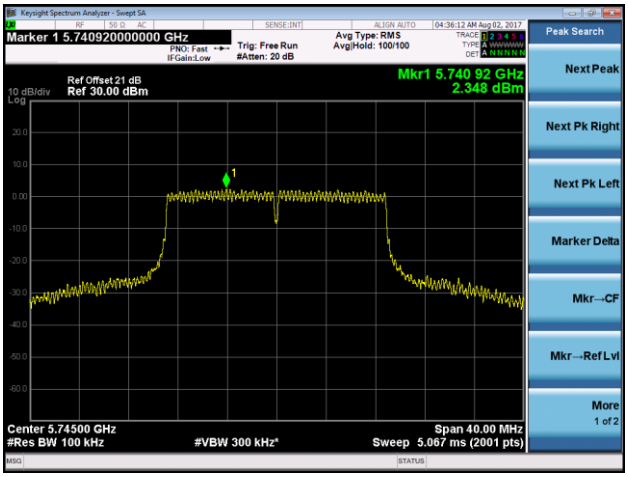
Channel 44 (5220MHz)



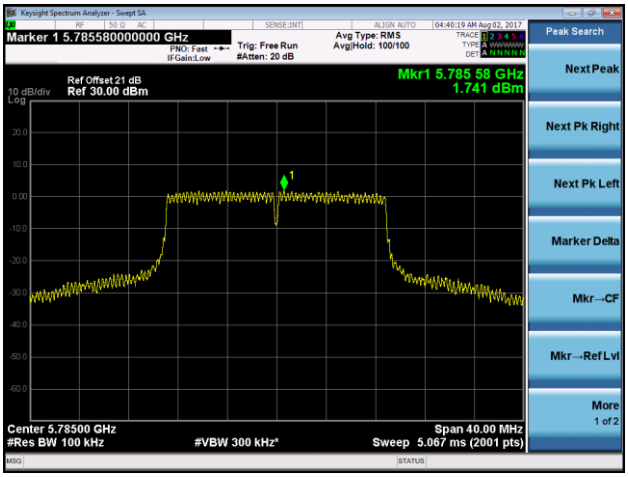
Channel 48 (5240MHz)



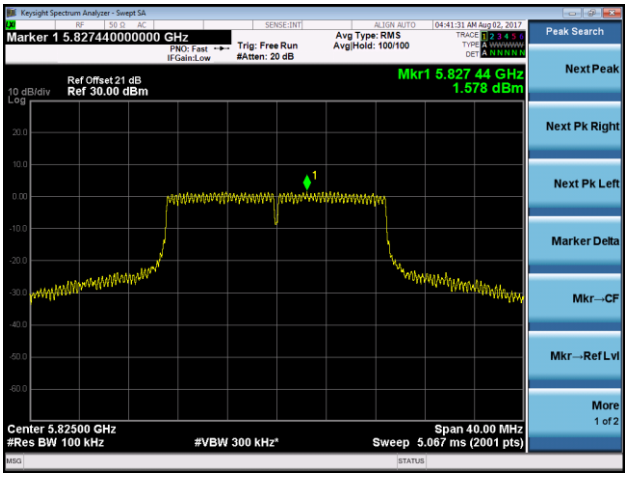
Channel 149 (5745MHz)

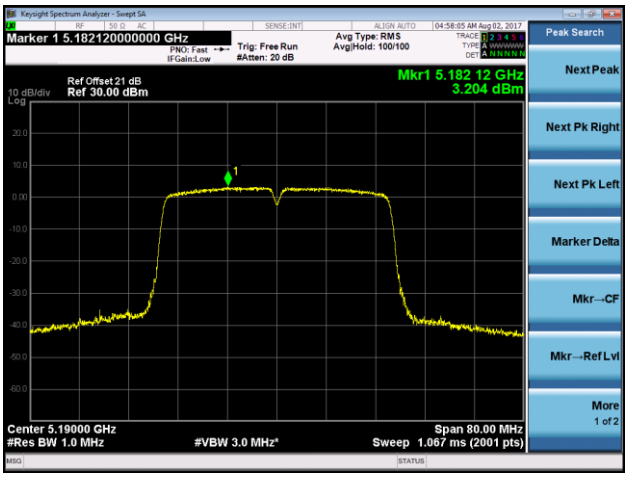
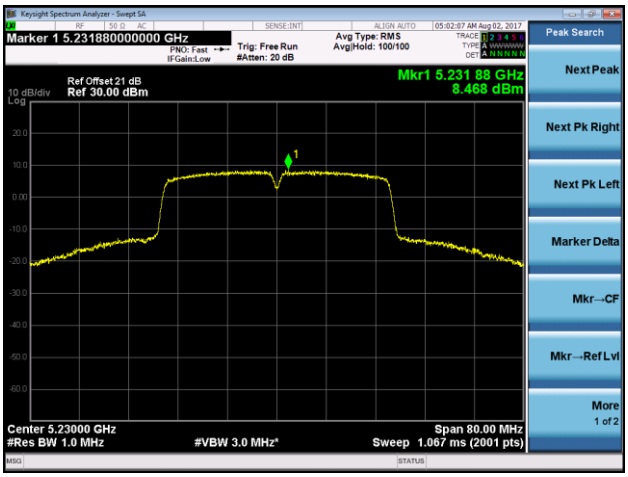
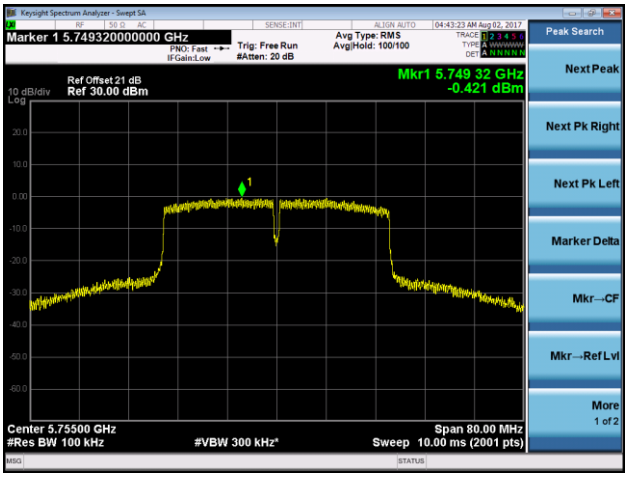
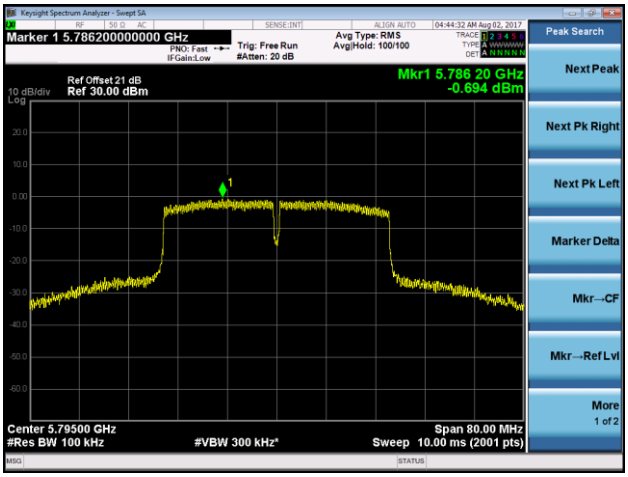


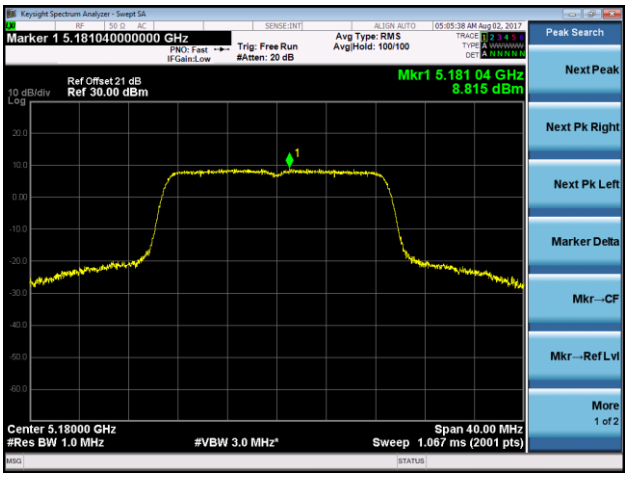
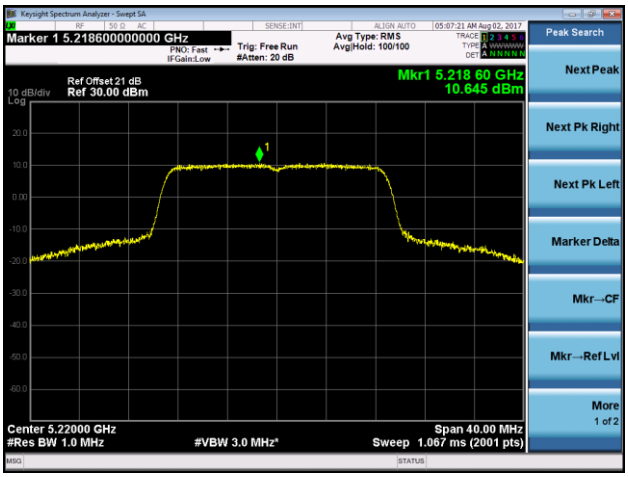
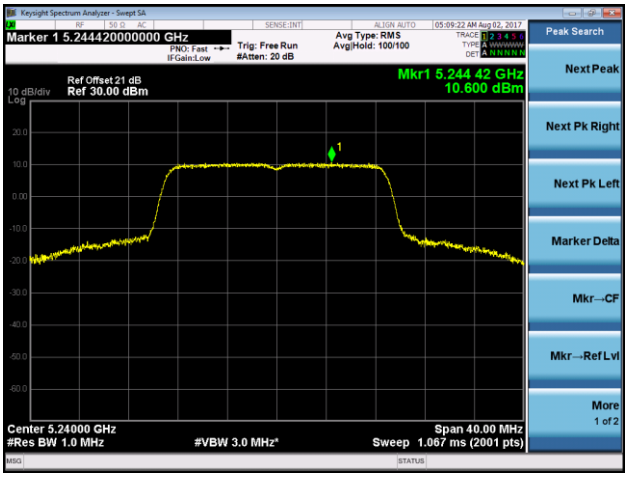
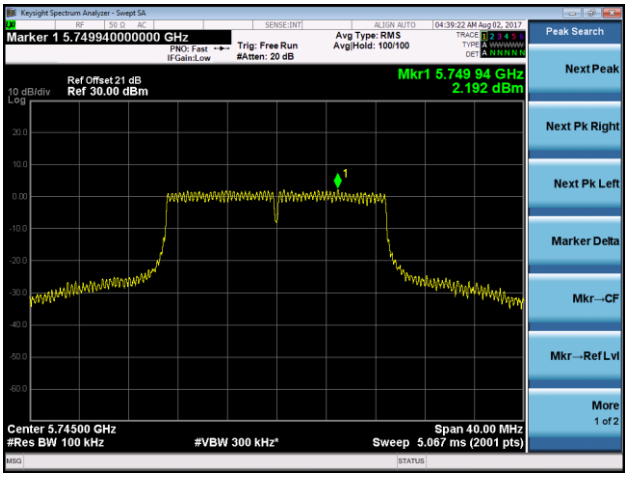
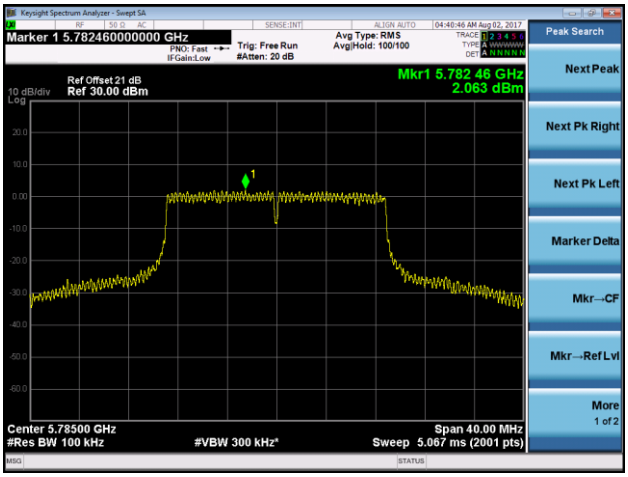
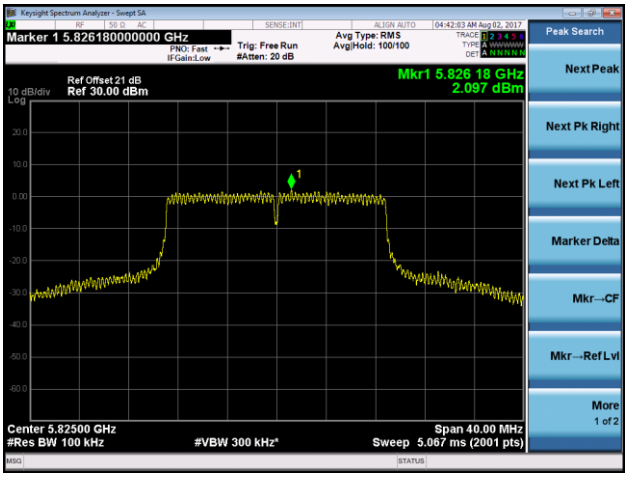
Channel 157 (5785MHz)

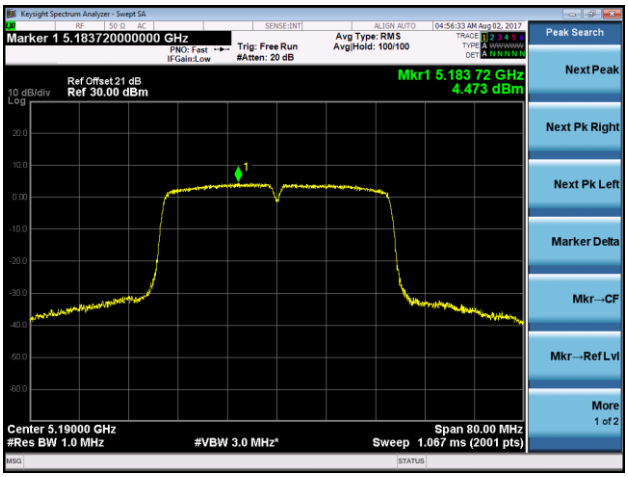
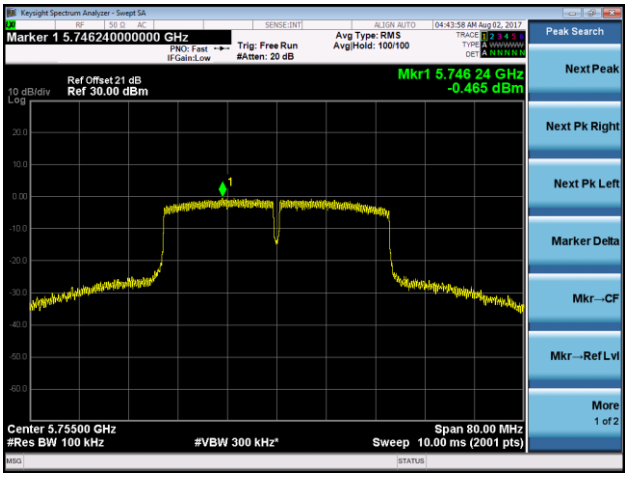
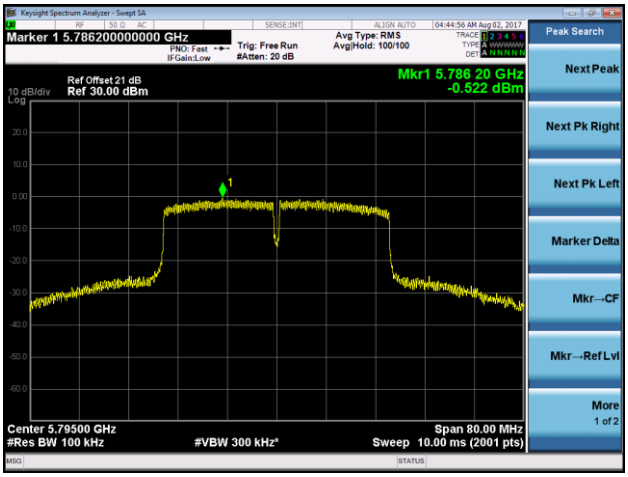
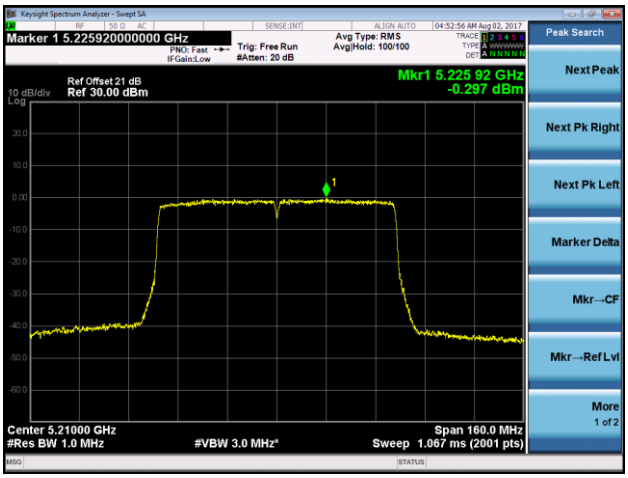
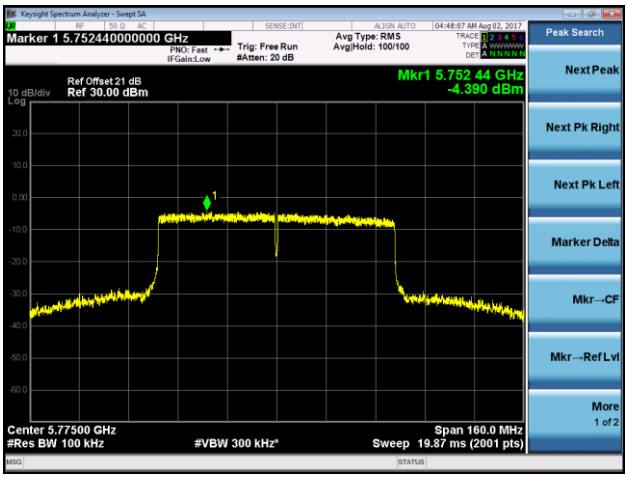


Channel 165 (5825MHz)



802.11n-HT40Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

7.7. Frequency Stability Measurement

7.7.1.Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ±20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

7.7.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

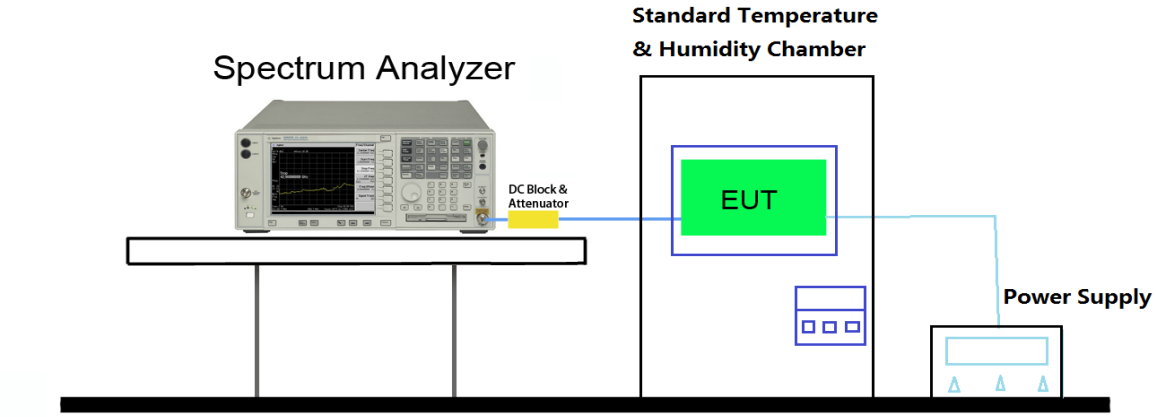
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2017/08/02	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-4.21	-4.66	-6.29	-7.06
		- 20	-5.11	-5.42	-6.26	-6.71
		- 10	-5.69	-6.02	-6.69	-7.11
		0	-6.09	-6.74	-7.78	-7.66
		+ 10	-6.85	-7.55	-8.85	-8.74
		+ 20 (Ref)	-6.92	-7.47	-9.22	-9.89
		+ 30	-7.53	-8.71	-9.59	-9.94
		+ 40	-8.22	-9.12	-9.94	-10.73
		+ 50	-8.61	-9.60	-9.90	-10.27
115%	138	+ 20	-7.83	-7.93	-9.75	-9.70
85%	102	+ 20	-6.57	-7.45	-9.34	-9.95

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10^6.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

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

7.8.2.Test Procedure Used

KDB 789033 D02v01r04 – Section G

7.8.3.Test Setting

Quasi-Peak& Average Measurements below30MHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

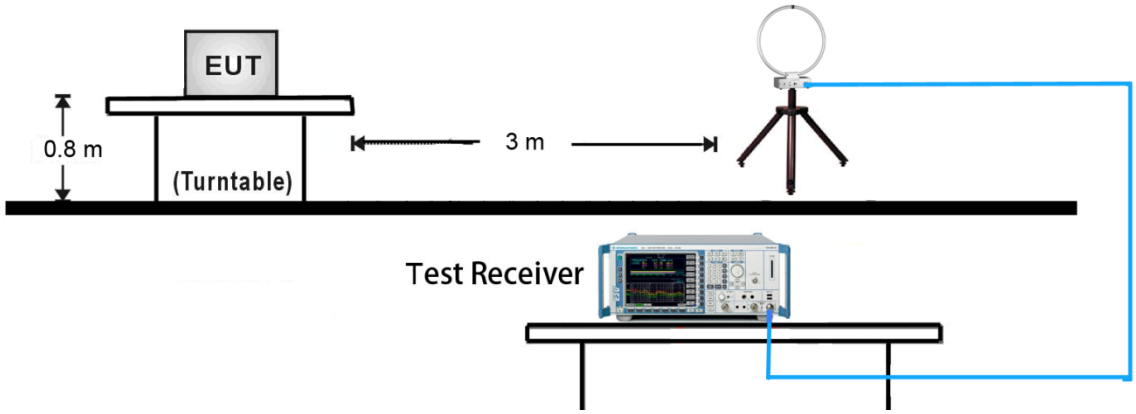
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

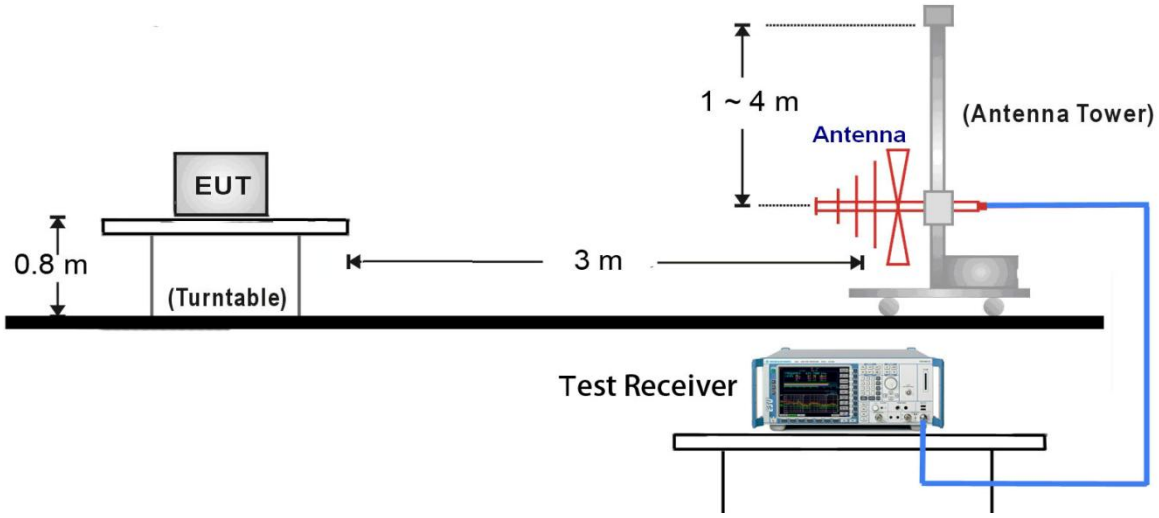
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.8.4.Test Setup

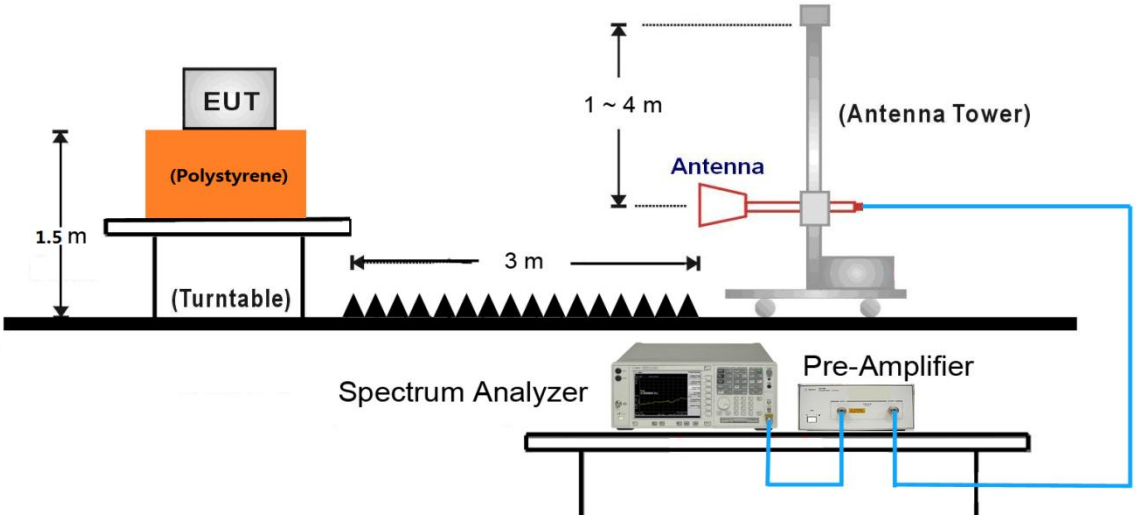
9kHz ~30MHz Test Setup:



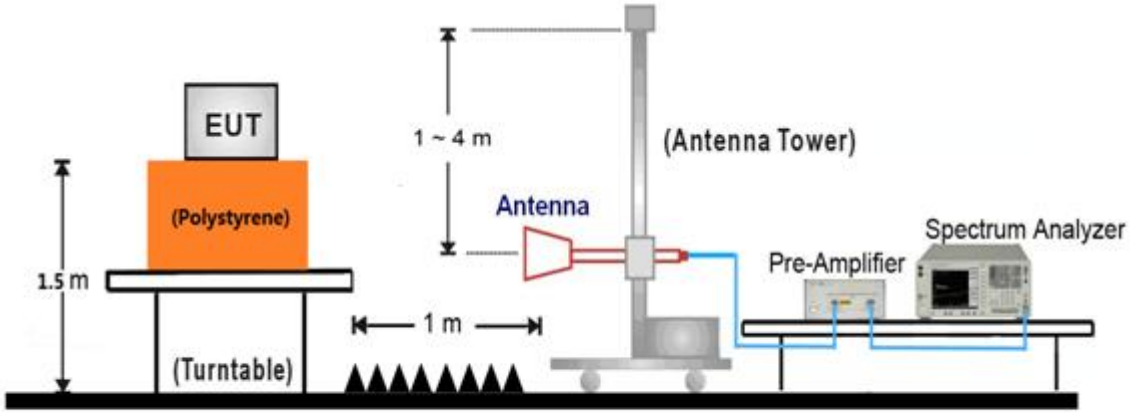
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.8.5.Test Result

Product	AC220i Wi-Fi AP ID omni antenna US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	36
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
*	7919.0	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8828.5	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
	9372.5	30.5	14.5	45.0	74.0	-29.0	Peak	Horizontal
	10911.0	28.8	18.4	47.2	74.0	-26.8	Peak	Horizontal
*	7842.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8633.0	30.7	13.5	44.2	68.2	-24.0	Peak	Vertical
	9372.5	31.0	14.5	45.5	74.0	-28.5	Peak	Vertical
	11098.0	29.7	18.6	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	44
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
*	7961.5	32.0	12.5	44.5	68.2	-23.7	Peak	Horizontal
*	8616.0	30.7	13.5	44.2	68.2	-24.0	Peak	Horizontal
	9449.0	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11030.0	29.7	18.5	48.2	74.0	-25.8	Peak	Horizontal
*	7970.0	32.1	12.5	44.6	68.2	-23.6	Peak	Vertical
*	8752.0	30.8	13.9	44.7	68.2	-23.5	Peak	Vertical
	9381.0	30.1	14.5	44.6	74.0	-29.4	Peak	Vertical
	11047.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	48
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
*	7876.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8684.0	30.7	13.7	44.4	68.2	-23.8	Peak	Horizontal
	9457.5	31.3	14.4	45.7	74.0	-28.3	Peak	Horizontal
	11064.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	7961.5	31.5	12.5	44.0	68.2	-24.2	Peak	Vertical
*	8862.5	30.1	14.0	44.1	68.2	-24.1	Peak	Vertical
	9415.0	30.4	14.5	44.9	74.0	-29.1	Peak	Vertical
	11038.5	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	149
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
*	7936.0	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8794.5	30.5	13.9	44.4	68.2	-23.8	Peak	Horizontal
	9449.0	30.5	14.4	44.9	74.0	-29.1	Peak	Horizontal
	11489.0	30.4	19.3	49.7	74.0	-24.3	Peak	Horizontal
*	7961.5	31.7	12.5	44.2	68.2	-24.0	Peak	Vertical
*	8726.5	30.8	13.8	44.6	68.2	-23.6	Peak	Vertical
	9313.0	30.5	14.7	45.2	74.0	-28.8	Peak	Vertical
	11480.5	29.4	19.3	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	157
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
*	7961.5	31.1	12.5	43.6	68.2	-24.6	Peak	Horizontal
*	8743.5	29.6	13.9	43.5	68.2	-24.7	Peak	Horizontal
	9440.5	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	11565.5	28.6	19.5	48.1	74.0	-25.9	Peak	Horizontal
*	7970.0	31.2	12.5	43.7	68.2	-24.5	Peak	Vertical
*	8752.0	29.7	13.9	43.6	68.2	-24.6	Peak	Vertical
	9423.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	10715.5	29.7	17.5	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1	Test Channel:	165
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
*	7910.5	30.0	12.4	42.4	68.2	-25.8	Peak	Horizontal
*	8743.5	29.8	13.9	43.7	68.2	-24.5	Peak	Horizontal
	9432.0	30.7	14.4	45.1	74.0	-28.9	Peak	Horizontal
	11021.5	29.7	18.5	48.2	74.0	-25.8	Peak	Horizontal
*	7995.5	31.5	12.5	44.0	68.2	-24.2	Peak	Vertical
*	8837.0	30.4	14.0	44.4	68.2	-23.8	Peak	Vertical
	9491.5	31.2	14.4	45.6	74.0	-28.4	Peak	Vertical
	11650.5	29.6	19.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	36
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
*	7961.5	31.1	12.5	43.6	68.2	-24.6	Peak	Horizontal
*	8879.5	29.3	14.0	43.3	68.2	-24.9	Peak	Horizontal
	9423.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	11030.0	28.5	18.5	47.0	74.0	-27.0	Peak	Horizontal
*	7842.5	31.4	12.4	43.8	68.2	-24.4	Peak	Vertical
*	8650.0	30.0	13.6	43.6	68.2	-24.6	Peak	Vertical
	9457.5	33.0	14.4	47.4	74.0	-26.6	Peak	Vertical
	11021.5	28.9	18.5	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	44
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
*	7970.0	31.4	12.5	43.9	68.2	-24.3	Peak	Horizontal
*	8735.0	29.8	13.9	43.7	68.2	-24.5	Peak	Horizontal
	9457.5	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11030.0	30.0	18.5	48.5	74.0	-25.5	Peak	Horizontal
*	7859.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8854.0	29.8	14.0	43.8	68.2	-24.4	Peak	Vertical
	9491.5	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11293.5	29.4	18.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	48
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
*	7834.0	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8633.0	30.3	13.5	43.8	68.2	-24.4	Peak	Horizontal
	9483.0	30.6	14.4	45.0	74.0	-29.0	Peak	Horizontal
	11038.5	29.9	18.5	48.4	74.0	-25.6	Peak	Horizontal
*	7961.5	31.1	12.5	43.6	68.2	-24.6	Peak	Vertical
*	8845.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9491.5	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	10996.0	29.7	18.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	149
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
*	7953.0	30.4	12.5	42.9	68.2	-25.3	Peak	Horizontal
*	8905.0	29.7	14.0	43.7	68.2	-24.5	Peak	Horizontal
	9389.5	31.3	14.5	45.8	74.0	-28.2	Peak	Horizontal
	11489.0	31.6	19.3	50.9	74.0	-23.1	Peak	Horizontal
*	7936.0	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8658.5	30.6	13.6	44.2	68.2	-24.0	Peak	Vertical
	9466.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	11489.0	31.2	19.3	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	157
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
*	7995.5	31.9	12.5	44.4	68.2	-23.8	Peak	Horizontal
*	8896.5	29.8	14.0	43.8	68.2	-24.4	Peak	Horizontal
	9338.5	29.0	14.6	43.6	74.0	-30.4	Peak	Horizontal
	11531.5	28.5	19.4	47.9	74.0	-26.1	Peak	Horizontal
*	7978.5	30.7	12.5	43.2	68.2	-25.0	Peak	Vertical
*	8573.5	30.9	13.3	44.2	68.2	-24.0	Peak	Vertical
	9474.5	31.2	14.4	45.6	74.0	-28.4	Peak	Vertical
	11123.5	29.0	18.6	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	165
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
*	7876.5	30.0	12.4	42.4	68.2	-25.8	Peak	Horizontal
*	8667.0	30.0	13.6	43.6	68.2	-24.6	Peak	Horizontal
	9440.5	30.2	14.4	44.6	74.0	-29.4	Peak	Horizontal
	11030.0	28.5	18.5	47.0	74.0	-27.0	Peak	Horizontal
*	7885.0	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8718.0	29.7	13.8	43.5	68.2	-24.7	Peak	Vertical
	9483.0	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11106.5	28.6	18.6	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	38
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
*	7970.0	31.5	12.5	44.0	68.2	-24.2	Peak	Horizontal
*	8616.0	30.0	13.5	43.5	68.2	-24.7	Peak	Horizontal
	9474.5	31.2	14.4	45.6	74.0	-28.4	Peak	Horizontal
	11030.0	29.1	18.5	47.6	74.0	-26.4	Peak	Horizontal
*	7944.5	31.7	12.5	44.2	68.2	-24.0	Peak	Vertical
*	8845.5	30.0	14.0	44.0	68.2	-24.2	Peak	Vertical
	9168.5	30.5	14.7	45.2	74.0	-28.8	Peak	Vertical
	11132.0	29.6	18.6	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	46
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
*	7987.0	31.3	12.5	43.8	68.2	-24.4	Peak	Horizontal
*	8726.5	30.4	13.8	44.2	68.2	-24.0	Peak	Horizontal
	9321.5	30.7	14.6	45.3	74.0	-28.7	Peak	Horizontal
	11030.0	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
*	7944.5	31.6	12.5	44.1	68.2	-24.1	Peak	Vertical
*	8658.5	30.4	13.6	44.0	68.2	-24.2	Peak	Vertical
	9432.0	30.7	14.4	45.1	74.0	-28.9	Peak	Vertical
	11004.5	30.0	18.5	48.5	74.0	-25.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	151
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
*	7876.5	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8684.0	30.4	13.7	44.1	68.2	-24.1	Peak	Horizontal
	9466.0	31.4	14.4	45.8	74.0	-28.2	Peak	Horizontal
	11013.0	29.5	18.5	48.0	74.0	-26.0	Peak	Horizontal
*	7961.5	31.6	12.5	44.1	68.2	-24.1	Peak	Vertical
*	8786.0	30.4	13.9	44.3	68.2	-23.9	Peak	Vertical
	9474.5	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	10783.5	30.1	17.8	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	159
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
*	7936.0	32.7	12.4	45.1	68.2	-23.1	Peak	Horizontal
*	8658.5	29.4	13.6	43.0	68.2	-25.2	Peak	Horizontal
	9466.0	31.3	14.4	45.7	74.0	-28.3	Peak	Horizontal
	11021.5	30.1	18.5	48.6	74.0	-25.4	Peak	Horizontal
*	7987.0	31.2	12.5	43.7	68.2	-24.5	Peak	Vertical
*	8726.5	30.8	13.8	44.6	68.2	-23.6	Peak	Vertical
	9432.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	11038.5	29.7	18.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	36
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
*	7953.0	31.6	12.5	44.1	68.2	-24.1	Peak	Horizontal
*	8837.0	30.2	14.0	44.2	68.2	-24.0	Peak	Horizontal
	9185.5	30.4	14.7	45.1	74.0	-28.9	Peak	Horizontal
	11132.0	29.5	18.6	48.1	74.0	-25.9	Peak	Horizontal
*	7859.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8854.0	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11055.5	29.4	18.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	44
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
*	7936.0	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8718.0	30.8	13.8	44.6	68.2	-23.6	Peak	Horizontal
	9432.0	31.6	14.4	46.0	74.0	-28.0	Peak	Horizontal
	11106.5	30.1	18.6	48.7	74.0	-25.3	Peak	Horizontal
*	7859.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8811.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9483.0	32.2	14.4	46.6	74.0	-27.4	Peak	Vertical
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	48
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
*	7876.5	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8667.0	30.6	13.6	44.2	68.2	-24.0	Peak	Horizontal
	9177.0	30.3	14.7	45.0	74.0	-29.0	Peak	Horizontal
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Horizontal
*	7927.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8803.0	30.7	14.0	44.7	68.2	-23.5	Peak	Vertical
	9466.0	31.0	14.4	45.4	74.0	-28.6	Peak	Vertical
	11123.5	29.2	18.6	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	149
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
*	7893.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8582.0	31.1	13.4	44.5	68.2	-23.7	Peak	Horizontal
	9474.5	31.4	14.4	45.8	74.0	-28.2	Peak	Horizontal
	11480.5	29.7	19.3	49.0	74.0	-25.0	Peak	Horizontal
*	7927.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8803.0	30.3	14.0	44.3	68.2	-23.9	Peak	Vertical
	9483.0	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	11038.5	30.8	18.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	157
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
*	7953.0	30.5	12.5	43.0	68.2	-25.2	Peak	Horizontal
*	8701.0	30.5	13.8	44.3	68.2	-23.9	Peak	Horizontal
	9126.0	30.9	14.6	45.5	74.0	-28.5	Peak	Horizontal
	11064.0	29.9	18.5	48.4	74.0	-25.6	Peak	Horizontal
*	7817.0	32.2	12.4	44.6	68.2	-23.6	Peak	Vertical
*	8837.0	29.9	14.0	43.9	68.2	-24.3	Peak	Vertical
	9432.0	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	11319.0	29.6	18.9	48.5	74.0	-25.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	165
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
*	7902.0	32.4	12.4	44.8	68.2	-23.4	Peak	Horizontal
*	8743.5	30.2	13.9	44.1	68.2	-24.1	Peak	Horizontal
	9398.0	30.9	14.5	45.4	74.0	-28.6	Peak	Horizontal
	11650.5	29.8	19.3	49.1	74.0	-24.9	Peak	Horizontal
*	7927.5	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
*	8539.5	30.5	13.1	43.6	68.2	-24.6	Peak	Vertical
	9126.0	30.4	14.6	45.0	74.0	-29.0	Peak	Vertical
	11650.5	32.4	19.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	38
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
*	7885.0	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8616.0	29.6	13.5	43.1	68.2	-25.1	Peak	Horizontal
	9185.5	30.9	14.7	45.6	74.0	-28.4	Peak	Horizontal
	11030.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	7885.0	30.5	12.4	42.9	68.2	-25.3	Peak	Vertical
*	8769.0	30.8	13.9	44.7	68.2	-23.5	Peak	Vertical
	9355.5	31.5	14.5	46.0	74.0	-28.0	Peak	Vertical
	11123.5	29.0	18.6	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	46
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
*	7842.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8675.5	30.3	13.7	44.0	68.2	-24.2	Peak	Horizontal
	9134.5	30.6	14.6	45.2	74.0	-28.8	Peak	Horizontal
	11064.0	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	7842.5	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8701.0	30.1	13.8	43.9	68.2	-24.3	Peak	Vertical
	9381.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	11038.5	29.2	18.5	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	151
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
*	7970.0	31.3	12.5	43.8	68.2	-24.4	Peak	Horizontal
*	8514.0	31.2	12.9	44.1	68.2	-24.1	Peak	Horizontal
	9168.5	29.9	14.7	44.6	74.0	-29.4	Peak	Horizontal
	10809.0	29.8	17.9	47.7	74.0	-26.3	Peak	Horizontal
*	7987.0	30.9	12.5	43.4	68.2	-24.8	Peak	Vertical
*	8590.5	30.6	13.4	44.0	68.2	-24.2	Peak	Vertical
	9398.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	10979.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	159
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
*	7919.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8735.0	29.8	13.9	43.7	68.2	-24.5	Peak	Horizontal
	9389.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	10877.0	28.9	18.2	47.1	74.0	-26.9	Peak	Horizontal
*	7936.0	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8667.0	30.6	13.6	44.2	68.2	-24.0	Peak	Vertical
	9304.5	30.6	14.7	45.3	74.0	-28.7	Peak	Vertical
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	42
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
*	7961.5	31.8	12.5	44.3	68.2	-23.9	Peak	Horizontal
*	8769.0	31.2	13.9	45.1	68.2	-23.1	Peak	Horizontal
	9423.5	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
	11004.5	29.9	18.5	48.4	74.0	-25.6	Peak	Horizontal
*	7987.0	31.5	12.5	44.0	68.2	-24.2	Peak	Vertical
*	8794.5	29.9	13.9	43.8	68.2	-24.4	Peak	Vertical
	9177.0	29.7	14.7	44.4	74.0	-29.6	Peak	Vertical
	10970.5	29.4	18.4	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	155
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
*	7961.5	30.6	12.5	43.1	68.2	-25.1	Peak	Horizontal
*	8590.5	30.2	13.4	43.6	68.2	-24.6	Peak	Horizontal
	9483.0	30.5	14.4	44.9	74.0	-29.1	Peak	Horizontal
	11030.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	7893.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8709.5	30.8	13.8	44.6	68.2	-23.6	Peak	Vertical
	9466.0	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	36
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
*	7936.0	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8845.5	29.6	14.0	43.6	68.2	-24.6	Peak	Horizontal
	9440.5	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	11030.0	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7868.0	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8718.0	30.2	13.8	44.0	68.2	-24.2	Peak	Vertical
	9432.0	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	10843.0	29.0	18.1	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	44
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
*	7910.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8692.5	30.5	13.7	44.2	68.2	-24.0	Peak	Horizontal
	9423.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	11038.5	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
*	7808.5	28.2	12.4	40.6	68.2	-27.6	Peak	Vertical
*	8667.0	30.5	13.6	44.1	68.2	-24.1	Peak	Vertical
	9347.0	29.9	14.5	44.4	74.0	-29.6	Peak	Vertical
	11013.0	29.4	18.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	48
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
*	7961.5	31.4	12.5	43.9	68.2	-24.3	Peak	Horizontal
*	8828.5	30.0	14.0	44.0	68.2	-24.2	Peak	Horizontal
	9321.5	30.2	14.6	44.8	74.0	-29.2	Peak	Horizontal
	11030.0	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7876.5	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8633.0	30.6	13.5	44.1	68.2	-24.1	Peak	Vertical
	9474.5	31.0	14.4	45.4	74.0	-28.6	Peak	Vertical
	11047.0	29.3	18.5	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	149
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
*	7919.0	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8726.5	30.0	13.8	43.8	68.2	-24.4	Peak	Horizontal
	9415.0	29.9	14.5	44.4	74.0	-29.6	Peak	Horizontal
	10885.5	29.6	18.3	47.9	74.0	-26.1	Peak	Horizontal
*	7876.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8692.5	30.6	13.7	44.3	68.2	-23.9	Peak	Vertical
	9432.0	30.9	14.4	45.3	74.0	-28.7	Peak	Vertical
	11310.5	29.1	18.9	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	157
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
*	7944.5	31.0	12.5	43.5	68.2	-24.7	Peak	Horizontal
*	8658.5	30.6	13.6	44.2	68.2	-24.0	Peak	Horizontal
	9151.5	30.5	14.7	45.2	74.0	-28.8	Peak	Horizontal
	11072.5	30.1	18.6	48.7	74.0	-25.3	Peak	Horizontal
*	7927.5	29.6	12.4	42.0	68.2	-26.2	Peak	Vertical
*	8828.5	29.4	14.0	43.4	68.2	-24.8	Peak	Vertical
	9423.5	32.1	14.5	46.6	74.0	-27.4	Peak	Vertical
	11565.5	29.1	19.5	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 2	Test Channel:	165
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
*	7910.5	29.2	12.4	41.6	68.2	-26.6	Peak	Horizontal
*	8692.5	30.5	13.7	44.2	68.2	-24.0	Peak	Horizontal
	9406.5	29.9	14.5	44.4	74.0	-29.6	Peak	Horizontal
	11072.5	28.6	18.6	47.2	74.0	-26.8	Peak	Horizontal
*	7936.0	33.4	12.4	45.8	68.2	-22.4	Peak	Vertical
*	8803.0	30.1	14.0	44.1	68.2	-24.1	Peak	Vertical
	9177.0	30.4	14.7	45.1	74.0	-28.9	Peak	Vertical
	11650.5	30.8	19.3	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	36
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
*	7902.0	30.5	12.4	42.9	68.2	-25.3	Peak	Horizontal
*	8854.0	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9423.5	30.3	14.5	44.8	74.0	-29.2	Peak	Horizontal
	11370.0	28.3	19.0	47.3	74.0	-26.7	Peak	Horizontal
*	7910.5	30.5	12.4	42.9	68.2	-25.3	Peak	Vertical
*	8820.0	29.3	14.0	43.3	68.2	-24.9	Peak	Vertical
	9415.0	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
	11038.5	28.2	18.5	46.7	74.0	-27.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	44
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
*	7893.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8735.0	29.7	13.9	43.6	68.2	-24.6	Peak	Horizontal
	9483.0	31.3	14.4	45.7	74.0	-28.3	Peak	Horizontal
	11004.5	28.5	18.5	47.0	74.0	-27.0	Peak	Horizontal
*	7910.5	32.0	12.4	44.4	68.2	-23.8	Peak	Vertical
*	8726.5	29.0	13.8	42.8	68.2	-25.4	Peak	Vertical
	9415.0	30.0	14.5	44.5	74.0	-29.5	Peak	Vertical
	11038.5	28.8	18.5	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	48
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
*	7927.5	32.8	12.4	45.2	68.2	-23.0	Peak	Horizontal
*	8675.5	29.6	13.7	43.3	68.2	-24.9	Peak	Horizontal
	9440.5	30.7	14.4	45.1	74.0	-28.9	Peak	Horizontal
	11115.0	28.9	18.6	47.5	74.0	-26.5	Peak	Horizontal
*	7910.5	30.3	12.4	42.7	68.2	-25.5	Peak	Vertical
*	8726.5	29.4	13.8	43.2	68.2	-25.0	Peak	Vertical
	9466.0	30.7	14.4	45.1	74.0	-28.9	Peak	Vertical
	10911.0	29.3	18.4	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	149
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
*	7885.0	30.7	12.4	43.1	68.2	-25.1	Peak	Horizontal
*	8675.5	30.6	13.7	44.3	68.2	-23.9	Peak	Horizontal
	9415.0	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	11030.0	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	7910.5	29.7	12.4	42.1	68.2	-26.1	Peak	Vertical
*	8743.5	28.2	13.9	42.1	68.2	-26.1	Peak	Vertical
	9474.5	30.1	14.4	44.5	74.0	-29.5	Peak	Vertical
	11166.0	28.7	18.7	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	157
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
*	7876.5	30.2	12.4	42.6	68.2	-25.6	Peak	Horizontal
*	8726.5	29.6	13.8	43.4	68.2	-24.8	Peak	Horizontal
	9457.5	30.2	14.4	44.6	74.0	-29.4	Peak	Horizontal
	11021.5	28.7	18.5	47.2	74.0	-26.8	Peak	Horizontal
*	7842.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8590.5	30.3	13.4	43.7	68.2	-24.5	Peak	Vertical
	9457.5	30.5	14.4	44.9	74.0	-29.1	Peak	Vertical
	11574.0	30.0	19.5	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 2	Test Channel:	165
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
*	7910.5	31.7	12.4	44.1	68.2	-24.1	Peak	Horizontal
*	8735.0	29.1	13.9	43.0	68.2	-25.2	Peak	Horizontal
	9440.5	30.6	14.4	45.0	74.0	-29.0	Peak	Horizontal
	11030.0	29.1	18.5	47.6	74.0	-26.4	Peak	Horizontal
*	7902.0	30.4	12.4	42.8	68.2	-25.4	Peak	Vertical
*	8726.5	30.2	13.8	44.0	68.2	-24.2	Peak	Vertical
	9466.0	30.0	14.4	44.4	74.0	-29.6	Peak	Vertical
	11650.5	30.2	19.3	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	38
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
*	7927.5	33.0	12.4	45.4	68.2	-22.8	Peak	Horizontal
*	8811.5	29.4	14.0	43.4	68.2	-24.8	Peak	Horizontal
	9449.0	30.5	14.4	44.9	74.0	-29.1	Peak	Horizontal
	11030.0	29.2	18.5	47.7	74.0	-26.3	Peak	Horizontal
*	7953.0	31.2	12.5	43.7	68.2	-24.5	Peak	Vertical
*	8701.0	29.8	13.8	43.6	68.2	-24.6	Peak	Vertical
	9440.5	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	10945.0	29.6	18.4	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	46
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
*	7961.5	31.3	12.5	43.8	68.2	-24.4	Peak	Horizontal
*	8828.5	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
	9466.0	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	10817.5	29.0	18.0	47.0	74.0	-27.0	Peak	Horizontal
*	7970.0	30.6	12.5	43.1	68.2	-25.1	Peak	Vertical
*	8650.0	29.7	13.6	43.3	68.2	-24.9	Peak	Vertical
	9466.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	10834.5	30.1	18.1	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	151
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
*	7970.0	29.9	12.5	42.4	68.2	-25.8	Peak	Horizontal
*	8650.0	29.8	13.6	43.4	68.2	-24.8	Peak	Horizontal
	9432.0	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	10894.0	29.9	18.3	48.2	74.0	-25.8	Peak	Horizontal
*	7834.0	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
*	8573.5	30.7	13.3	44.0	68.2	-24.2	Peak	Vertical
	9457.5	30.9	14.4	45.3	74.0	-28.7	Peak	Vertical
	11115.0	28.7	18.6	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 2	Test Channel:	159
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
*	7825.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8854.0	30.4	14.0	44.4	68.2	-23.8	Peak	Horizontal
	9432.0	30.0	14.4	44.4	74.0	-29.6	Peak	Horizontal
	11064.0	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	7970.0	30.2	12.5	42.7	68.2	-25.5	Peak	Vertical
*	8777.5	30.8	13.9	44.7	68.2	-23.5	Peak	Vertical
	9381.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	11038.5	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	36
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
*	7936.0	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8675.5	30.0	13.7	43.7	68.2	-24.5	Peak	Horizontal
	9457.5	30.8	14.4	45.2	74.0	-28.8	Peak	Horizontal
	11472.0	29.3	19.3	48.6	74.0	-25.4	Peak	Horizontal
*	7961.5	30.6	12.5	43.1	68.2	-25.1	Peak	Vertical
*	8633.0	29.6	13.5	43.1	68.2	-25.1	Peak	Vertical
	9440.5	30.5	14.4	44.9	74.0	-29.1	Peak	Vertical
	11497.5	27.7	19.3	47.0	74.0	-27.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	44
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
*	7978.5	32.5	12.5	45.0	68.2	-23.2	Peak	Horizontal
*	8658.5	30.0	13.6	43.6	68.2	-24.6	Peak	Horizontal
	9381.0	30.6	14.5	45.1	74.0	-28.9	Peak	Horizontal
	11302.0	28.8	18.9	47.7	74.0	-26.3	Peak	Horizontal
*	7944.5	30.4	12.5	42.9	68.2	-25.3	Peak	Vertical
*	8803.0	29.6	14.0	43.6	68.2	-24.6	Peak	Vertical
	9483.0	30.9	14.4	45.3	74.0	-28.7	Peak	Vertical
	11021.5	28.7	18.5	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	48
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
*	7919.0	30.7	12.4	43.1	68.2	-25.1	Peak	Horizontal
*	8616.0	29.8	13.5	43.3	68.2	-24.9	Peak	Horizontal
	9466.0	30.4	14.4	44.8	74.0	-29.2	Peak	Horizontal
	11030.0	29.1	18.5	47.6	74.0	-26.4	Peak	Horizontal
*	7910.5	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
*	8811.5	29.9	14.0	43.9	68.2	-24.3	Peak	Vertical
	9398.0	29.9	14.5	44.4	74.0	-29.6	Peak	Vertical
	11030.0	28.0	18.5	46.5	74.0	-27.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	149
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
*	7936.0	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8726.5	29.4	13.8	43.2	68.2	-25.0	Peak	Horizontal
	9423.5	30.7	14.5	45.2	74.0	-28.8	Peak	Horizontal
	11293.5	29.0	18.9	47.9	74.0	-26.1	Peak	Horizontal
*	7834.0	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8658.5	30.0	13.6	43.6	68.2	-24.6	Peak	Vertical
	9449.0	31.6	14.4	46.0	74.0	-28.0	Peak	Vertical
	10885.5	29.5	18.3	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	157
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
*	7953.0	30.6	12.5	43.1	68.2	-25.1	Peak	Horizontal
*	8675.5	29.6	13.7	43.3	68.2	-24.9	Peak	Horizontal
	9415.0	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	10911.0	28.9	18.4	47.3	74.0	-26.7	Peak	Horizontal
*	7885.0	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8692.5	30.1	13.7	43.8	68.2	-24.4	Peak	Vertical
	9160.0	29.2	14.7	43.9	74.0	-30.1	Peak	Vertical
	11574.0	30.8	19.5	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	165
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
*	7927.5	29.9	12.4	42.3	68.2	-25.9	Peak	Horizontal
*	8607.5	30.6	13.5	44.1	68.2	-24.1	Peak	Horizontal
	9100.5	30.1	14.4	44.5	74.0	-29.5	Peak	Horizontal
	10809.0	28.7	17.9	46.6	74.0	-27.4	Peak	Horizontal
*	7927.5	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8726.5	30.1	13.8	43.9	68.2	-24.3	Peak	Vertical
	9457.5	31.2	14.4	45.6	74.0	-28.4	Peak	Vertical
	11650.5	29.9	19.3	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	38
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
*	7817.0	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8582.0	30.2	13.4	43.6	68.2	-24.6	Peak	Horizontal
	9406.5	30.2	14.5	44.7	74.0	-29.3	Peak	Horizontal
	11446.5	28.3	19.2	47.5	74.0	-26.5	Peak	Horizontal
*	7851.0	30.7	12.4	43.1	68.2	-25.1	Peak	Vertical
*	8811.5	29.3	14.0	43.3	68.2	-24.9	Peak	Vertical
	9372.5	30.1	14.5	44.6	74.0	-29.4	Peak	Vertical
	11030.0	29.4	18.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	46
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
*	7944.5	31.3	12.5	43.8	68.2	-24.4	Peak	Horizontal
*	8769.0	29.4	13.9	43.3	68.2	-24.9	Peak	Horizontal
	9440.5	30.4	14.4	44.8	74.0	-29.2	Peak	Horizontal
	11081.0	29.3	18.6	47.9	74.0	-26.1	Peak	Horizontal
*	7936.0	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8616.0	30.3	13.5	43.8	68.2	-24.4	Peak	Vertical
	9432.0	30.2	14.4	44.6	74.0	-29.4	Peak	Vertical
	11191.5	28.4	18.7	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	151
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
*	7944.5	31.7	12.5	44.2	68.2	-24.0	Peak	Horizontal
*	8514.0	30.5	12.9	43.4	68.2	-24.8	Peak	Horizontal
	9483.0	30.4	14.4	44.8	74.0	-29.2	Peak	Horizontal
	11047.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	7910.5	29.8	12.4	42.2	68.2	-26.0	Peak	Vertical
*	8709.5	30.3	13.8	44.1	68.2	-24.1	Peak	Vertical
	9449.0	30.6	14.4	45.0	74.0	-29.0	Peak	Vertical
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	159
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
*	7927.5	30.4	12.4	42.8	68.2	-25.4	Peak	Horizontal
*	8769.0	28.4	13.9	42.3	68.2	-25.9	Peak	Horizontal
	9440.5	30.5	14.4	44.9	74.0	-29.1	Peak	Horizontal
	10792.0	29.2	17.9	47.1	74.0	-26.9	Peak	Horizontal
*	7936.0	30.0	12.4	42.4	68.2	-25.8	Peak	Vertical
*	8701.0	29.8	13.8	43.6	68.2	-24.6	Peak	Vertical
	9109.0	30.3	14.5	44.8	74.0	-29.2	Peak	Vertical
	10996.0	28.9	18.5	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	42
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
*	7893.5	30.5	12.4	42.9	68.2	-25.3	Peak	Horizontal
*	8522.5	31.3	13.0	44.3	68.2	-23.9	Peak	Horizontal
	9432.0	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	11030.0	28.6	18.5	47.1	74.0	-26.9	Peak	Horizontal
*	7893.5	30.4	12.4	42.8	68.2	-25.4	Peak	Vertical
*	8633.0	30.2	13.5	43.7	68.2	-24.5	Peak	Vertical
	9372.5	29.9	14.5	44.4	74.0	-29.6	Peak	Vertical
	11200.0	28.3	18.7	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	155
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
*	7876.5	30.1	12.4	42.5	68.2	-25.7	Peak	Horizontal
*	8811.5	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	9449.0	30.8	14.4	45.2	74.0	-28.8	Peak	Horizontal
	11030.0	29.6	18.5	48.1	74.0	-25.9	Peak	Horizontal
*	7868.0	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8684.0	29.8	13.7	43.5	68.2	-24.7	Peak	Vertical
	9381.0	30.0	14.5	44.5	74.0	-29.5	Peak	Vertical
	11021.5	29.7	18.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	36
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
*	7885.0	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8667.0	30.1	13.6	43.7	68.2	-24.5	Peak	Horizontal
	9440.5	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11030.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	7885.0	30.7	12.4	43.1	68.2	-25.1	Peak	Vertical
*	8658.5	30.5	13.6	44.1	68.2	-24.1	Peak	Vertical
	9372.5	29.1	14.5	43.6	74.0	-30.4	Peak	Vertical
	11047.0	28.8	18.5	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	44
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
*	7919.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8837.0	30.4	14.0	44.4	68.2	-23.8	Peak	Horizontal
	9321.5	30.0	14.6	44.6	74.0	-29.4	Peak	Horizontal
	11047.0	28.8	18.5	47.3	74.0	-26.7	Peak	Horizontal
*	7978.5	31.0	12.5	43.5	68.2	-24.7	Peak	Vertical
*	8743.5	29.8	13.9	43.7	68.2	-24.5	Peak	Vertical
	9440.5	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	10936.5	28.8	18.4	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	48
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
*	7978.5	30.5	12.5	43.0	68.2	-25.2	Peak	Horizontal
*	8718.0	29.2	13.8	43.0	68.2	-25.2	Peak	Horizontal
	9432.0	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	11013.0	28.0	18.5	46.5	74.0	-27.5	Peak	Horizontal
*	7910.5	30.7	12.4	43.1	68.2	-25.1	Peak	Vertical
*	8709.5	28.9	13.8	42.7	68.2	-25.5	Peak	Vertical
	9432.0	30.1	14.4	44.5	74.0	-29.5	Peak	Vertical
	11115.0	28.6	18.6	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	149
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
*	7885.0	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8667.0	29.8	13.6	43.4	68.2	-24.8	Peak	Horizontal
	9457.5	31.8	14.4	46.2	74.0	-27.8	Peak	Horizontal
	11098.0	29.0	18.6	47.6	74.0	-26.4	Peak	Horizontal
*	7876.5	30.2	12.4	42.6	68.2	-25.6	Peak	Vertical
*	8684.0	29.9	13.7	43.6	68.2	-24.6	Peak	Vertical
	9338.5	30.2	14.6	44.8	74.0	-29.2	Peak	Vertical
	11489.0	29.8	19.3	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	157
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
*	7902.0	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8743.5	29.4	13.9	43.3	68.2	-24.9	Peak	Horizontal
	9406.5	30.7	14.5	45.2	74.0	-28.8	Peak	Horizontal
	11565.5	29.8	19.5	49.3	74.0	-24.7	Peak	Horizontal
*	7876.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8633.0	30.2	13.5	43.7	68.2	-24.5	Peak	Vertical
	9474.5	30.5	14.4	44.9	74.0	-29.1	Peak	Vertical
	11574.0	30.4	19.5	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11a - Ant 1+2 (CDD Mode)	Test Channel:	165
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
*	7893.5	30.6	12.4	43.0	68.2	-25.2	Peak	Horizontal
*	8582.0	30.3	13.4	43.7	68.2	-24.5	Peak	Horizontal
	9151.5	30.2	14.7	44.9	74.0	-29.1	Peak	Horizontal
	11650.5	29.5	19.3	48.8	74.0	-25.2	Peak	Horizontal
*	7893.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8684.0	30.1	13.7	43.8	68.2	-24.4	Peak	Vertical
	9432.0	30.3	14.4	44.7	74.0	-29.3	Peak	Vertical
	11659.0	33.2	19.3	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	36
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
*	7936.0	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8607.5	29.8	13.5	43.3	68.2	-24.9	Peak	Horizontal
	9143.0	30.1	14.6	44.7	74.0	-29.3	Peak	Horizontal
	10766.5	29.2	17.7	46.9	74.0	-27.1	Peak	Horizontal
*	7970.0	30.8	12.5	43.3	68.2	-24.9	Peak	Vertical
*	8675.5	29.5	13.7	43.2	68.2	-25.0	Peak	Vertical
	9321.5	30.5	14.6	45.1	74.0	-28.9	Peak	Vertical
	11064.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	44
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
*	7927.5	31.3	12.4	43.7	68.2	-24.5	Peak	Horizontal
*	8616.0	30.0	13.5	43.5	68.2	-24.7	Peak	Horizontal
	9474.5	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	10936.5	29.3	18.4	47.7	74.0	-26.3	Peak	Horizontal
*	7893.5	30.4	12.4	42.8	68.2	-25.4	Peak	Vertical
*	8828.5	29.7	14.0	43.7	68.2	-24.5	Peak	Vertical
	9432.0	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	10919.5	29.1	18.4	47.5	74.0	-26.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	48
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
*	7970.0	31.4	12.5	43.9	68.2	-24.3	Peak	Horizontal
*	8811.5	30.2	14.0	44.2	68.2	-24.0	Peak	Horizontal
	9466.0	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	10987.5	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7944.5	30.7	12.5	43.2	68.2	-25.0	Peak	Vertical
*	8624.5	30.4	13.5	43.9	68.2	-24.3	Peak	Vertical
	9491.5	30.3	14.4	44.7	74.0	-29.3	Peak	Vertical
	10996.0	29.1	18.5	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	149
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
*	7859.5	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8811.5	29.7	14.0	43.7	68.2	-24.5	Peak	Horizontal
	9389.5	30.9	14.5	45.4	74.0	-28.6	Peak	Horizontal
	11055.5	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7893.5	32.0	12.4	44.4	68.2	-23.8	Peak	Vertical
*	8735.0	29.8	13.9	43.7	68.2	-24.5	Peak	Vertical
	9415.0	30.6	14.5	45.1	74.0	-28.9	Peak	Vertical
	11497.5	30.9	19.3	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	157
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
*	7953.0	31.9	12.5	44.4	68.2	-23.8	Peak	Horizontal
*	8718.0	29.8	13.8	43.6	68.2	-24.6	Peak	Horizontal
	9415.0	31.1	14.5	45.6	74.0	-28.4	Peak	Horizontal
	11574.0	30.2	19.5	49.7	74.0	-24.3	Peak	Horizontal
*	7995.5	31.6	12.5	44.1	68.2	-24.1	Peak	Vertical
*	8531.0	30.2	13.1	43.3	68.2	-24.9	Peak	Vertical
	9406.5	31.2	14.5	45.7	74.0	-28.3	Peak	Vertical
	11565.5	30.2	19.5	49.7	74.0	-24.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1+2 (CDD Mode)	Test Channel:	165
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
*	7944.5	30.3	12.5	42.8	68.2	-25.4	Peak	Horizontal
*	8633.0	29.6	13.5	43.1	68.2	-25.1	Peak	Horizontal
	9415.0	31.3	14.5	45.8	74.0	-28.2	Peak	Horizontal
	11650.5	30.8	19.3	50.1	74.0	-23.9	Peak	Horizontal
*	7842.5	29.9	12.4	42.3	68.2	-25.9	Peak	Vertical
*	8828.5	29.7	14.0	43.7	68.2	-24.5	Peak	Vertical
	9440.5	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	11650.5	32.5	19.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1+2 (CDD Mode)	Test Channel:	38
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
*	7944.5	30.8	12.5	43.3	68.2	-24.9	Peak	Horizontal
*	8828.5	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9117.5	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	10868.5	29.0	18.2	47.2	74.0	-26.8	Peak	Horizontal
*	7978.5	30.2	12.5	42.7	68.2	-25.5	Peak	Vertical
*	8658.5	29.2	13.6	42.8	68.2	-25.4	Peak	Vertical
	9381.0	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
	10928.0	28.8	18.4	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1+2 (CDD Mode)	Test Channel:	46
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
*	7927.5	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8743.5	30.1	13.9	44.0	68.2	-24.2	Peak	Horizontal
	9491.5	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11081.0	29.4	18.6	48.0	74.0	-26.0	Peak	Horizontal
*	7970.0	31.0	12.5	43.5	68.2	-24.7	Peak	Vertical
*	8794.5	29.6	13.9	43.5	68.2	-24.7	Peak	Vertical
	9313.0	30.8	14.7	45.5	74.0	-28.5	Peak	Vertical
	11013.0	28.8	18.5	47.3	74.0	-26.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1+2 (CDD Mode)	Test Channel:	151
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
*	7893.5	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8811.5	29.9	14.0	43.9	68.2	-24.3	Peak	Horizontal
	9466.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11506.0	29.0	19.4	48.4	74.0	-25.6	Peak	Horizontal
*	7927.5	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8573.5	30.0	13.3	43.3	68.2	-24.9	Peak	Vertical
	9466.0	30.7	14.4	45.1	74.0	-28.9	Peak	Vertical
	11514.5	30.0	19.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1+2 (CDD Mode)	Test Channel:	159
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
*	7995.5	30.8	12.5	43.3	68.2	-24.9	Peak	Horizontal
*	8667.0	29.6	13.6	43.2	68.2	-25.0	Peak	Horizontal
	9449.0	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	11591.0	29.6	19.5	49.1	74.0	-24.9	Peak	Horizontal
*	7995.5	30.8	12.5	43.3	68.2	-24.9	Peak	Vertical
*	8820.0	30.4	14.0	44.4	68.2	-23.8	Peak	Vertical
	9423.5	31.3	14.5	45.8	74.0	-28.2	Peak	Vertical
	11591.0	29.2	19.5	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	36
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
*	7910.5	30.3	12.4	42.7	68.2	-25.5	Peak	Horizontal
*	8701.0	29.8	13.8	43.6	68.2	-24.6	Peak	Horizontal
	9474.5	31.2	14.4	45.6	74.0	-28.4	Peak	Horizontal
	11055.5	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7910.5	30.2	12.4	42.6	68.2	-25.6	Peak	Vertical
*	8811.5	30.3	14.0	44.3	68.2	-23.9	Peak	Vertical
	9466.0	30.3	14.4	44.7	74.0	-29.3	Peak	Vertical
	10741.0	29.1	17.6	46.7	74.0	-27.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	44
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
*	7851.0	30.5	12.4	42.9	68.2	-25.3	Peak	Horizontal
*	8811.5	30.1	14.0	44.1	68.2	-24.1	Peak	Horizontal
	9423.5	30.9	14.5	45.4	74.0	-28.6	Peak	Horizontal
	11072.5	29.0	18.6	47.6	74.0	-26.4	Peak	Horizontal
*	7910.5	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8633.0	30.1	13.5	43.6	68.2	-24.6	Peak	Vertical
	9304.5	29.5	14.7	44.2	74.0	-29.8	Peak	Vertical
	11047.0	28.5	18.5	47.0	74.0	-27.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	48
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
*	7851.0	30.4	12.4	42.8	68.2	-25.4	Peak	Horizontal
*	8888.0	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
	9466.0	30.6	14.4	45.0	74.0	-29.0	Peak	Horizontal
	11055.5	29.3	18.5	47.8	74.0	-26.2	Peak	Horizontal
*	7868.0	30.3	12.4	42.7	68.2	-25.5	Peak	Vertical
*	8701.0	30.2	13.8	44.0	68.2	-24.2	Peak	Vertical
	9449.0	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	10962.0	28.6	18.4	47.0	74.0	-27.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	149
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
*	7970.0	30.5	12.5	43.0	68.2	-25.2	Peak	Horizontal
*	8590.5	30.2	13.4	43.6	68.2	-24.6	Peak	Horizontal
	9440.5	31.1	14.4	45.5	74.0	-28.5	Peak	Horizontal
	10996.0	28.9	18.5	47.4	74.0	-26.6	Peak	Horizontal
*	7953.0	31.0	12.5	43.5	68.2	-24.7	Peak	Vertical
*	8684.0	29.8	13.7	43.5	68.2	-24.7	Peak	Vertical
	9134.5	31.2	14.6	45.8	74.0	-28.2	Peak	Vertical
	11489.0	29.1	19.3	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	157
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
*	7868.0	30.8	12.4	43.2	68.2	-25.0	Peak	Horizontal
*	8803.0	29.7	14.0	43.7	68.2	-24.5	Peak	Horizontal
	9177.0	29.7	14.7	44.4	74.0	-29.6	Peak	Horizontal
	11565.5	30.6	19.5	50.1	74.0	-23.9	Peak	Horizontal
*	7851.0	31.4	12.4	43.8	68.2	-24.4	Peak	Vertical
*	8658.5	29.6	13.6	43.2	68.2	-25.0	Peak	Vertical
	9491.5	29.8	14.4	44.2	74.0	-29.8	Peak	Vertical
	11574.0	30.4	19.5	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1+2 (CDD Mode)	Test Channel:	165
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
*	7876.5	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8811.5	29.8	14.0	43.8	68.2	-24.4	Peak	Horizontal
	9432.0	30.4	14.4	44.8	74.0	-29.2	Peak	Horizontal
	11650.5	31.6	19.3	50.9	74.0	-23.1	Peak	Horizontal
*	7766.0	29.6	12.4	42.0	68.2	-26.2	Peak	Vertical
*	8599.0	30.5	13.4	43.9	68.2	-24.3	Peak	Vertical
	9406.5	30.3	14.5	44.8	74.0	-29.2	Peak	Vertical
	11650.5	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1+2 (CDD Mode)	Test Channel:	38
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
*	7876.5	30.7	12.4	43.1	68.2	-25.1	Peak	Horizontal
*	8718.0	29.0	13.8	42.8	68.2	-25.4	Peak	Horizontal
	9423.5	29.8	14.5	44.3	74.0	-29.7	Peak	Horizontal
	11540.0	27.8	19.4	47.2	74.0	-26.8	Peak	Horizontal
*	7859.5	29.7	12.4	42.1	68.2	-26.1	Peak	Vertical
*	8811.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9432.0	30.4	14.4	44.8	74.0	-29.2	Peak	Vertical
	11064.0	28.6	18.5	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1+2 (CDD Mode)	Test Channel:	46
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
*	7868.0	30.9	12.4	43.3	68.2	-24.9	Peak	Horizontal
*	8658.5	29.6	13.6	43.2	68.2	-25.0	Peak	Horizontal
	9449.0	30.3	14.4	44.7	74.0	-29.3	Peak	Horizontal
	11268.0	27.7	18.8	46.5	74.0	-27.5	Peak	Horizontal
*	7876.5	30.6	12.4	43.0	68.2	-25.2	Peak	Vertical
*	8582.0	30.1	13.4	43.5	68.2	-24.7	Peak	Vertical
	9415.0	30.2	14.5	44.7	74.0	-29.3	Peak	Vertical
	11285.0	29.6	18.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1+2 (CDD Mode)	Test Channel:	151
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
*	7927.5	30.0	12.4	42.4	68.2	-25.8	Peak	Horizontal
*	8837.0	29.6	14.0	43.6	68.2	-24.6	Peak	Horizontal
	9347.0	29.9	14.5	44.4	74.0	-29.6	Peak	Horizontal
	11302.0	28.5	18.9	47.4	74.0	-26.6	Peak	Horizontal
*	7859.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8735.0	30.5	13.9	44.4	68.2	-23.8	Peak	Vertical
	9143.0	29.4	14.6	44.0	74.0	-30.0	Peak	Vertical
	11004.5	29.0	18.5	47.5	74.0	-26.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1+2 (CDD Mode)	Test Channel:	159
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
*	7885.0	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8794.5	30.0	13.9	43.9	68.2	-24.3	Peak	Horizontal
	9457.5	31.4	14.4	45.8	74.0	-28.2	Peak	Horizontal
	11064.0	29.5	18.5	48.0	74.0	-26.0	Peak	Horizontal
*	7910.5	30.9	12.4	43.3	68.2	-24.9	Peak	Vertical
*	8667.0	29.3	13.6	42.9	68.2	-25.3	Peak	Vertical
	9457.5	30.4	14.4	44.8	74.0	-29.2	Peak	Vertical
	11591.0	30.2	19.5	49.7	74.0	-24.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1+2 (CDD Mode)	Test Channel:	42
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
*	7910.5	31.0	12.4	43.4	68.2	-24.8	Peak	Horizontal
*	8573.5	30.8	13.3	44.1	68.2	-24.1	Peak	Horizontal
	9160.0	30.3	14.7	45.0	74.0	-29.0	Peak	Horizontal
	10826.0	29.6	18.0	47.6	74.0	-26.4	Peak	Horizontal
*	7953.0	30.9	12.5	43.4	68.2	-24.8	Peak	Vertical
*	8582.0	29.6	13.4	43.0	68.2	-25.2	Peak	Vertical
	9423.5	29.8	14.5	44.3	74.0	-29.7	Peak	Vertical
	10945.0	28.4	18.4	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1+2 (CDD Mode)	Test Channel:	155
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
*	7936.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8743.5	30.1	13.9	44.0	68.2	-24.2	Peak	Horizontal
	9398.0	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
	11030.0	29.2	18.5	47.7	74.0	-26.3	Peak	Horizontal
*	7953.0	31.8	12.5	44.3	68.2	-23.9	Peak	Vertical
*	8845.5	30.2	14.0	44.2	68.2	-24.0	Peak	Vertical
	9313.0	30.0	14.7	44.7	74.0	-29.3	Peak	Vertical
	11047.0	29.6	18.5	48.1	74.0	-25.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	36
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
*	7953.0	32.3	12.5	44.8	68.2	-23.4	Peak	Horizontal
*	8803.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	9338.5	31.6	14.6	46.2	74.0	-27.8	Peak	Horizontal
	10894.0	29.9	18.3	48.2	74.0	-25.8	Peak	Horizontal
*	7842.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8845.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9474.5	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11055.5	30.2	18.5	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	44
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
*	7953.0	31.0	12.5	43.5	68.2	-24.7	Peak	Horizontal
*	8641.5	30.7	13.5	44.2	68.2	-24.0	Peak	Horizontal
	9483.0	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	10877.0	30.0	18.2	48.2	74.0	-25.8	Peak	Horizontal
*	7876.5	32.4	12.4	44.8	68.2	-23.4	Peak	Vertical
*	8794.5	30.3	13.9	44.2	68.2	-24.0	Peak	Vertical
	9440.5	31.5	14.4	45.9	74.0	-28.1	Peak	Vertical
	11013.0	30.4	18.5	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	48
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
*	7842.5	31.9	12.4	44.3	68.2	-23.9	Peak	Horizontal
*	8624.5	31.5	13.5	45.0	68.2	-23.2	Peak	Horizontal
	9466.0	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	10979.0	30.0	18.5	48.5	74.0	-25.5	Peak	Horizontal
*	7834.0	31.6	12.4	44.0	68.2	-24.2	Peak	Vertical
*	8905.0	30.9	14.0	44.9	68.2	-23.3	Peak	Vertical
	9415.0	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
	10860.0	30.1	18.2	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	149
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
*	7885.0	32.1	12.4	44.5	68.2	-23.7	Peak	Horizontal
*	8675.5	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
	9449.0	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	11030.0	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
*	7953.0	31.8	12.5	44.3	68.2	-23.9	Peak	Vertical
*	8548.0	31.4	13.2	44.6	68.2	-23.6	Peak	Vertical
	9415.0	31.6	14.5	46.1	74.0	-27.9	Peak	Vertical
	10970.5	30.2	18.4	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	157
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
*	7953.0	31.3	12.5	43.8	68.2	-24.4	Peak	Horizontal
*	8675.5	31.4	13.7	45.1	68.2	-23.1	Peak	Horizontal
	9449.0	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	11030.0	29.8	18.5	48.3	74.0	-25.7	Peak	Horizontal
*	7910.5	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8548.0	31.4	13.2	44.6	68.2	-23.6	Peak	Vertical
	9415.0	31.6	14.5	46.1	74.0	-27.9	Peak	Vertical
	10970.5	30.2	18.4	48.6	74.0	-25.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	165
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
*	7876.5	31.1	12.4	43.5	68.2	-24.7	Peak	Horizontal
*	8675.5	31.9	13.7	45.6	68.2	-22.6	Peak	Horizontal
	9449.0	31.7	14.4	46.1	74.0	-27.9	Peak	Horizontal
	11650.5	31.0	19.3	50.3	74.0	-23.7	Peak	Horizontal
*	7944.5	31.7	12.5	44.2	68.2	-24.0	Peak	Vertical
*	8837.0	30.4	14.0	44.4	68.2	-23.8	Peak	Vertical
	9457.5	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	11650.5	30.7	19.3	50.0	74.0	-24.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	38
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
*	7885.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8735.0	30.5	13.9	44.4	68.2	-23.8	Peak	Horizontal
	9440.5	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	10970.5	29.8	18.4	48.2	74.0	-25.8	Peak	Horizontal
*	7902.0	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8701.0	30.7	13.8	44.5	68.2	-23.7	Peak	Vertical
	9457.5	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	10945.0	29.6	18.4	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	46
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
*	7876.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8811.5	30.3	14.0	44.3	68.2	-23.9	Peak	Horizontal
	9432.0	31.2	14.4	45.6	74.0	-28.4	Peak	Horizontal
	11072.5	30.0	18.6	48.6	74.0	-25.4	Peak	Horizontal
*	7919.0	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8624.5	31.3	13.5	44.8	68.2	-23.4	Peak	Vertical
	9432.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	10996.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	151
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
*	7953.0	31.2	12.5	43.7	68.2	-24.5	Peak	Horizontal
*	8582.0	31.5	13.4	44.9	68.2	-23.3	Peak	Horizontal
	9457.5	32.1	14.4	46.5	74.0	-27.5	Peak	Horizontal
	11038.5	30.2	18.5	48.7	74.0	-25.3	Peak	Horizontal
*	7842.5	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8803.0	30.3	14.0	44.3	68.2	-23.9	Peak	Vertical
	9355.5	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
	10936.5	29.2	18.4	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11n-HT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	159
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
*	7851.0	31.4	12.4	43.8	68.2	-24.4	Peak	Horizontal
*	8675.5	30.7	13.7	44.4	68.2	-23.8	Peak	Horizontal
	9423.5	31.7	14.5	46.2	74.0	-27.8	Peak	Horizontal
	10996.0	29.0	18.5	47.5	74.0	-26.5	Peak	Horizontal
*	7885.0	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8641.5	30.5	13.5	44.0	68.2	-24.2	Peak	Vertical
	9466.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	10919.5	29.8	18.4	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	36
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
*	7834.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8803.0	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9432.0	31.4	14.4	45.8	74.0	-28.2	Peak	Horizontal
	10945.0	30.2	18.4	48.6	74.0	-25.4	Peak	Horizontal
*	7919.0	31.5	12.4	43.9	68.2	-24.3	Peak	Vertical
*	8667.0	30.3	13.6	43.9	68.2	-24.3	Peak	Vertical
	9483.0	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11013.0	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	44
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
*	7961.5	31.4	12.5	43.9	68.2	-24.3	Peak	Horizontal
*	8828.5	30.0	14.0	44.0	68.2	-24.2	Peak	Horizontal
	9432.0	30.8	14.4	45.2	74.0	-28.8	Peak	Horizontal
	10681.5	30.3	17.4	47.7	74.0	-26.3	Peak	Horizontal
*	7885.0	31.0	12.4	43.4	68.2	-24.8	Peak	Vertical
*	8828.5	30.0	14.0	44.0	68.2	-24.2	Peak	Vertical
	9483.0	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	10894.0	29.4	18.3	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	48
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
*	7842.5	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8684.0	30.1	13.7	43.8	68.2	-24.4	Peak	Horizontal
	9449.0	31.7	14.4	46.1	74.0	-27.9	Peak	Horizontal
	10817.5	30.4	18.0	48.4	74.0	-25.6	Peak	Horizontal
*	7885.0	30.8	12.4	43.2	68.2	-25.0	Peak	Vertical
*	8828.5	30.5	14.0	44.5	68.2	-23.7	Peak	Vertical
	9449.0	30.7	14.4	45.1	74.0	-28.9	Peak	Vertical
	11089.5	29.1	18.6	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	149
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
*	7893.5	31.8	12.4	44.2	68.2	-24.0	Peak	Horizontal
*	8684.0	30.6	13.7	44.3	68.2	-23.9	Peak	Horizontal
	9432.0	31.3	14.4	45.7	74.0	-28.3	Peak	Horizontal
	11489.0	30.7	19.3	50.0	74.0	-24.0	Peak	Horizontal
*	7851.0	31.3	12.4	43.7	68.2	-24.5	Peak	Vertical
*	8743.5	30.6	13.9	44.5	68.2	-23.7	Peak	Vertical
	9415.0	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11302.0	28.7	18.9	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	157
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
*	7936.0	32.0	12.4	44.4	68.2	-23.8	Peak	Horizontal
*	8743.5	30.4	13.9	44.3	68.2	-23.9	Peak	Horizontal
	9432.0	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	11574.0	32.6	19.5	52.1	74.0	-21.9	Peak	Horizontal
*	7859.5	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8837.0	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
	9432.0	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	11574.0	30.8	19.5	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT20 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	165
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
*	7876.5	31.2	12.4	43.6	68.2	-24.6	Peak	Horizontal
*	8701.0	31.0	13.8	44.8	68.2	-23.4	Peak	Horizontal
	9432.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11642.0	33.1	19.4	52.5	74.0	-21.5	Peak	Horizontal
*	7825.5	31.7	12.4	44.1	68.2	-24.1	Peak	Vertical
*	8641.5	30.6	13.5	44.1	68.2	-24.1	Peak	Vertical
	9483.0	31.4	14.4	45.8	74.0	-28.2	Peak	Vertical
	11650.5	30.9	19.3	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	38
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
*	7834.0	32.6	12.4	45.0	68.2	-23.2	Peak	Horizontal
*	8743.5	30.5	13.9	44.4	68.2	-23.8	Peak	Horizontal
	9406.5	31.6	14.5	46.1	74.0	-27.9	Peak	Horizontal
	10970.5	31.3	18.4	49.7	74.0	-24.3	Peak	Horizontal
*	7885.0	30.7	12.4	43.1	68.2	-25.1	Peak	Vertical
*	8794.5	31.3	13.9	45.2	68.2	-23.0	Peak	Vertical
	9372.5	31.0	14.5	45.5	74.0	-28.5	Peak	Vertical
	10987.5	29.8	18.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	46
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
*	7825.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8794.5	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	9440.5	31.6	14.4	46.0	74.0	-28.0	Peak	Horizontal
	10885.5	30.2	18.3	48.5	74.0	-25.5	Peak	Horizontal
*	7885.0	30.6	12.4	43.0	68.2	-25.2	Peak	Vertical
*	8675.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
	9483.0	31.5	14.4	45.9	74.0	-28.1	Peak	Vertical
	11013.0	29.2	18.5	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	151
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
*	7919.0	32.5	12.4	44.9	68.2	-23.3	Peak	Horizontal
*	8879.5	30.5	14.0	44.5	68.2	-23.7	Peak	Horizontal
	9449.0	31.3	14.4	45.7	74.0	-28.3	Peak	Horizontal
	11506.0	30.8	19.4	50.2	74.0	-23.8	Peak	Horizontal
*	7842.5	31.9	12.4	44.3	68.2	-23.9	Peak	Vertical
*	8692.5	30.9	13.7	44.6	68.2	-23.6	Peak	Vertical
	9457.5	31.3	14.4	45.7	74.0	-28.3	Peak	Vertical
	10987.5	29.7	18.5	48.2	74.0	-25.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT40 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	159
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
*	7961.5	32.1	12.5	44.6	68.2	-23.6	Peak	Horizontal
*	8769.0	31.0	13.9	44.9	68.2	-23.3	Peak	Horizontal
	9381.0	31.3	14.5	45.8	74.0	-28.2	Peak	Horizontal
	11531.5	30.7	19.4	50.1	74.0	-23.9	Peak	Horizontal
*	7936.0	31.8	12.4	44.2	68.2	-24.0	Peak	Vertical
*	8743.5	30.1	13.9	44.0	68.2	-24.2	Peak	Vertical
	9440.5	31.2	14.4	45.6	74.0	-28.4	Peak	Vertical
	11038.5	29.2	18.5	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	42
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
*	7885.0	31.3	12.4	43.7	68.2	-24.5	Peak	Horizontal
*	8548.0	31.1	13.2	44.3	68.2	-23.9	Peak	Horizontal
	9449.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11038.5	29.6	18.5	48.1	74.0	-25.9	Peak	Horizontal
*	7859.5	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8718.0	29.0	13.8	42.8	68.2	-25.4	Peak	Vertical
	9389.5	29.8	14.5	44.3	74.0	-29.7	Peak	Vertical
	11021.5	28.6	18.5	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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	57 %
Test Site	AC1	Test Date	2017/08/02
Test Mode:	802.11ac-VHT80 - Ant 1 + 2 (Beam-Forming Mode)	Test Channel:	155
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
*	7927.5	31.6	12.4	44.0	68.2	-24.2	Peak	Horizontal
*	8616.0	30.4	13.5	43.9	68.2	-24.3	Peak	Horizontal
	9440.5	31.6	14.4	46.0	74.0	-28.0	Peak	Horizontal
	10987.5	29.5	18.5	48.0	74.0	-26.0	Peak	Horizontal
*	7927.5	32.3	12.4	44.7	68.2	-23.5	Peak	Vertical
*	8845.5	30.9	14.0	44.9	68.2	-23.3	Peak	Vertical
	9432.0	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	11565.5	29.8	19.5	49.3	74.0	-24.7	Peak	Vertical

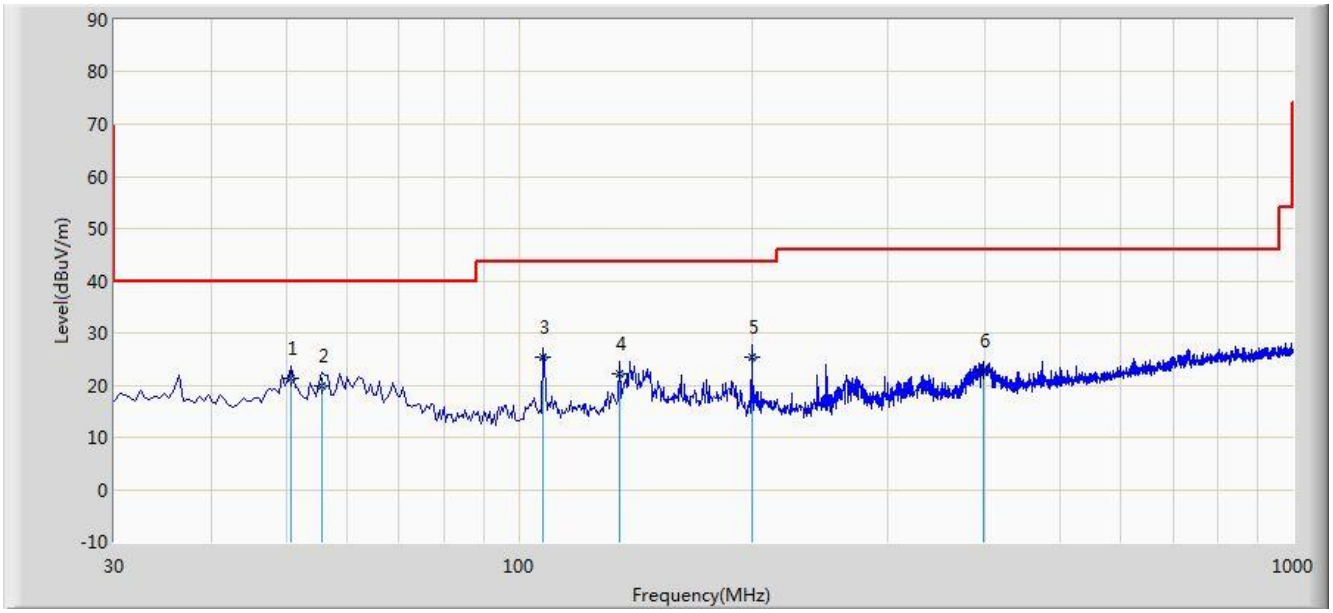
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: 2017/06/29 - 08:04
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.	



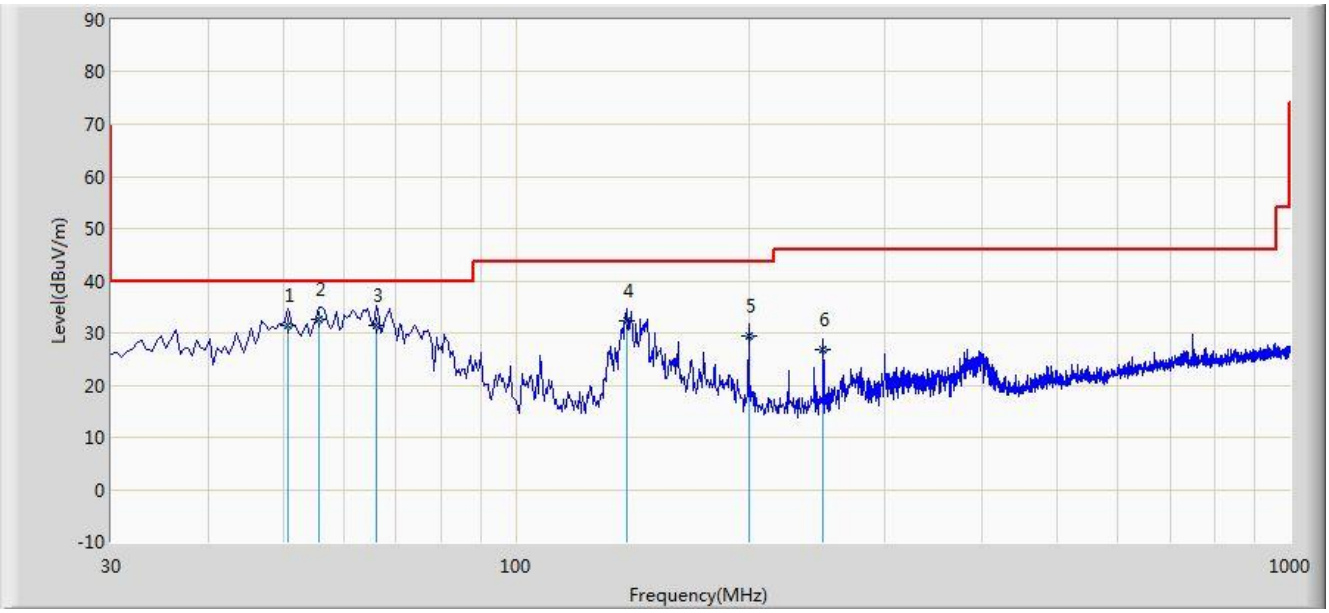
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			50.855	21.378	7.390	-18.622	40.000	13.987	QP
2			55.705	19.986	6.320	-20.014	40.000	13.667	QP
3			107.600	25.490	13.750	-18.010	43.500	11.740	QP
4			134.760	22.303	8.210	-21.197	43.500	14.093	QP
5		*	199.750	25.491	14.380	-18.009	43.500	11.111	QP
6			398.600	22.770	6.320	-23.230	46.000	16.450	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2017/06/29 - 08:06
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	31.308	17.320	-8.692	40.000	13.987	QP
2		*	55.705	32.586	18.920	-7.414	40.000	13.667	QP
3			65.890	31.555	19.290	-8.445	40.000	12.265	QP
4			139.125	32.252	17.830	-11.248	43.500	14.422	QP
5			199.750	29.401	18.290	-14.099	43.500	11.111	QP
6			249.705	26.861	13.940	-19.139	46.000	12.921	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

7.9. Radiated RestrictedBand Edge Measurement

7.9.1.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	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with

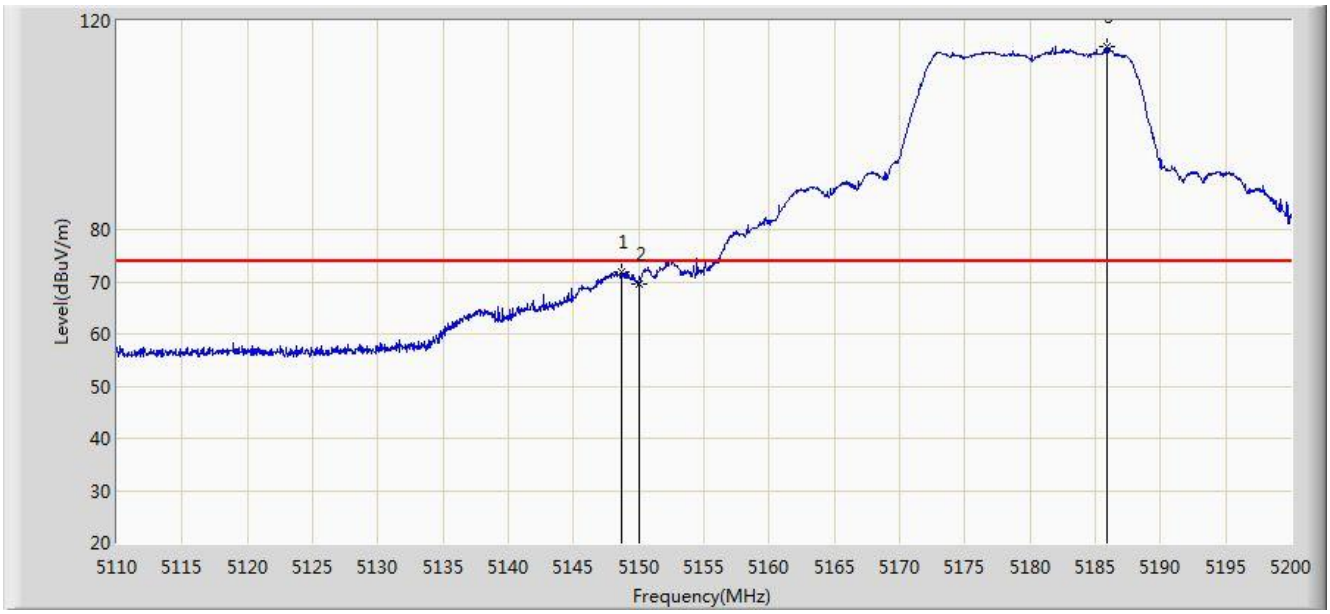
both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

7.9.2.Test Result

Site: AC1	Time: 2017/08/02 - 10:26
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 802.11a at channel 5180MHz Ant 1	

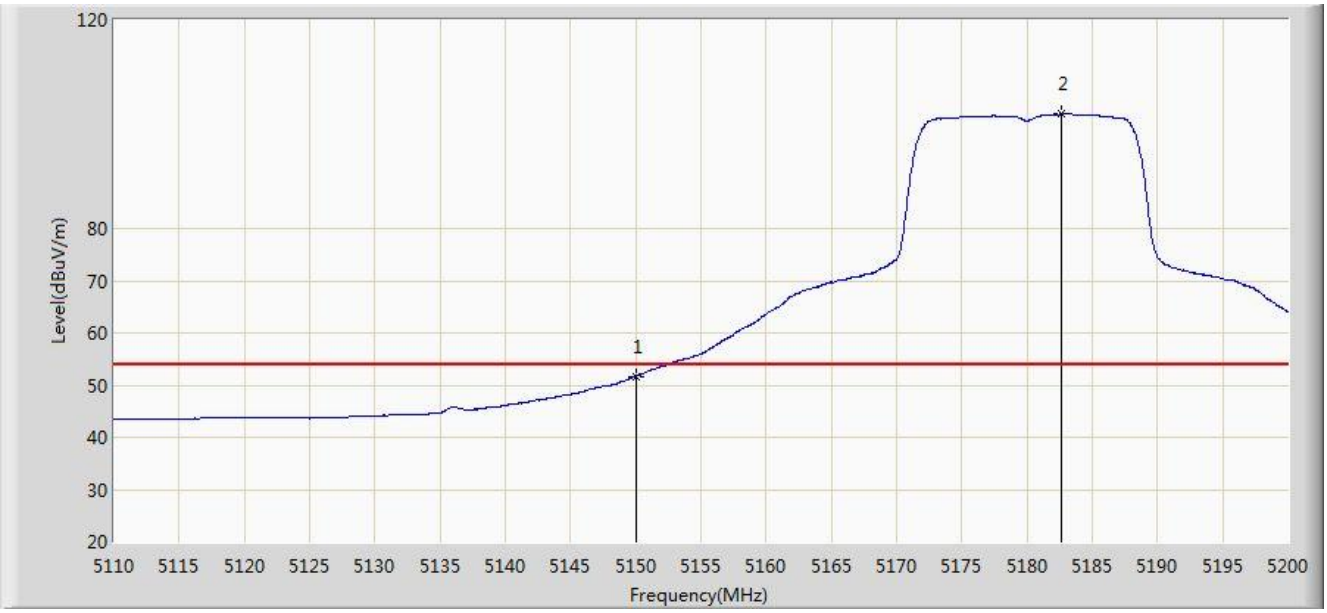


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	71.752	67.910	-2.248	74.000	3.842	PK
2			5150.000	69.585	65.741	-4.415	74.000	3.844	PK
3		*	5185.870	114.957	111.060	N/A	N/A	3.898	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:31
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 802.11a at channel 5180MHz Ant 1	

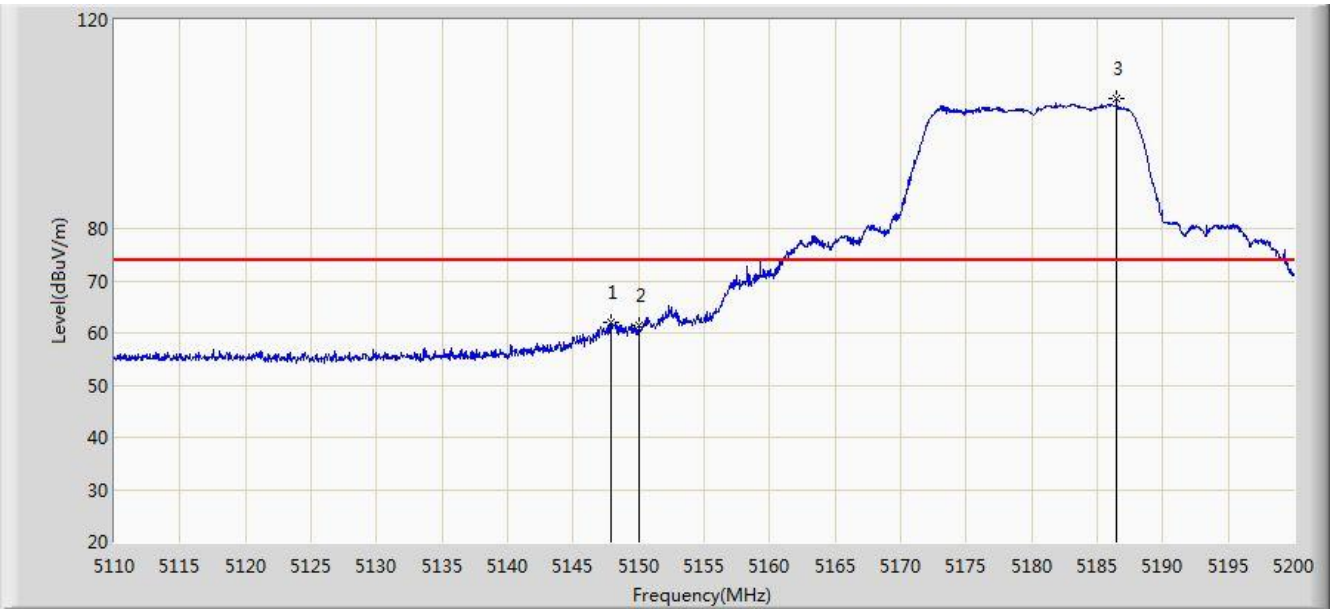


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.710	47.866	-2.290	54.000	3.844	AV
2		*	5182.585	101.907	98.014	N/A	N/A	3.893	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:32
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 802.11a at channel 5180MHz Ant 1	

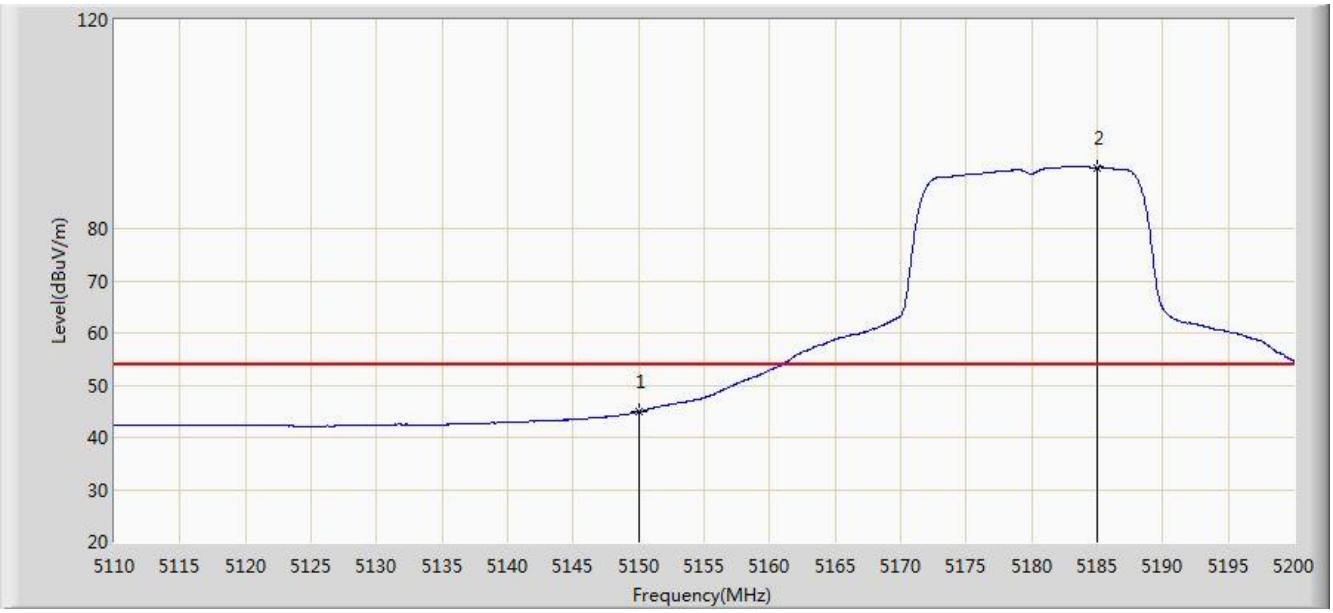


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.935	62.123	58.283	-11.877	74.000	3.841	PK
2			5150.000	61.370	57.526	-12.630	74.000	3.844	PK
3		*	5186.455	104.916	101.018	N/A	N/A	3.898	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:34
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 802.11a at channel 5180MHz Ant 1	

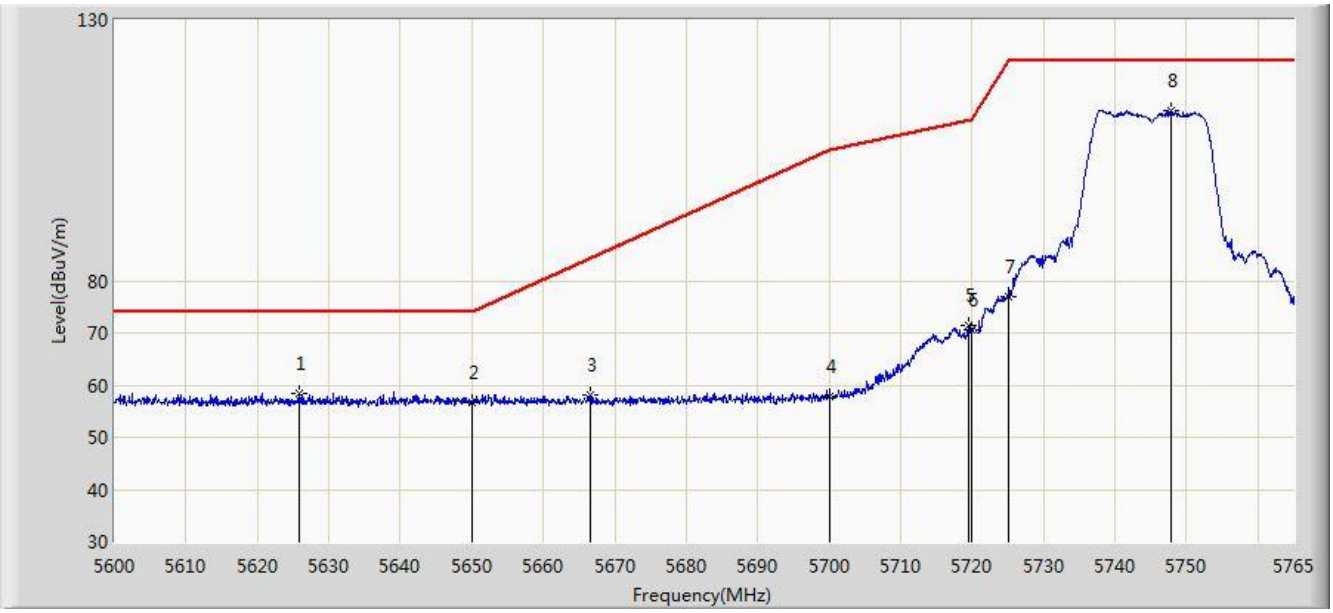


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.901	41.057	-9.099	54.000	3.844	AV
2		*	5184.970	91.683	87.787	N/A	N/A	3.897	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:36
Limit: FCC_Part15.407_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 802.11a at channel 5745MHz Ant 1	

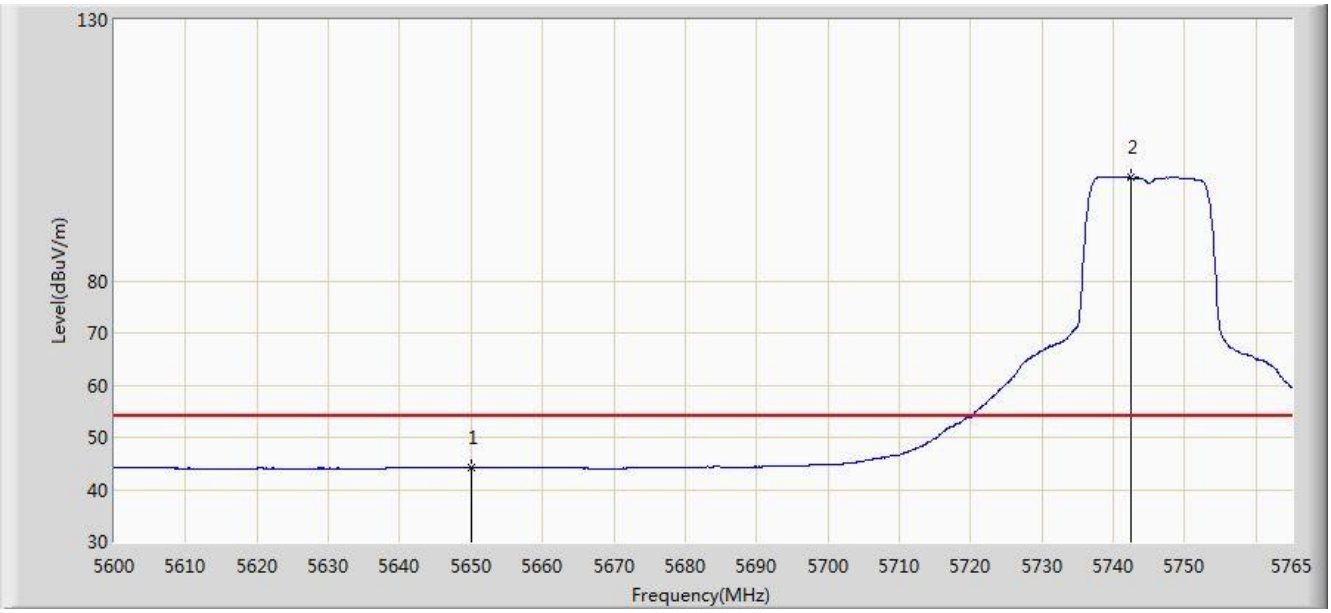


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.905	58.490	53.497	-15.510	74.000	4.993	PK
2			5650.000	56.703	51.624	-17.297	74.000	5.078	PK
3			5666.660	58.169	53.025	-26.258	84.426	5.144	PK
4			5700.000	57.957	52.678	-47.243	105.200	5.279	PK
5			5719.542	71.530	66.169	-39.142	110.672	5.360	PK
6			5720.000	70.443	65.080	-40.357	110.800	5.363	PK
7			5725.000	76.890	71.506	-45.310	122.200	5.384	PK
8		*	5747.757	112.530	107.051	N/A	N/A	5.479	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:39
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 802.11a at channel 5745MHz Ant 1	

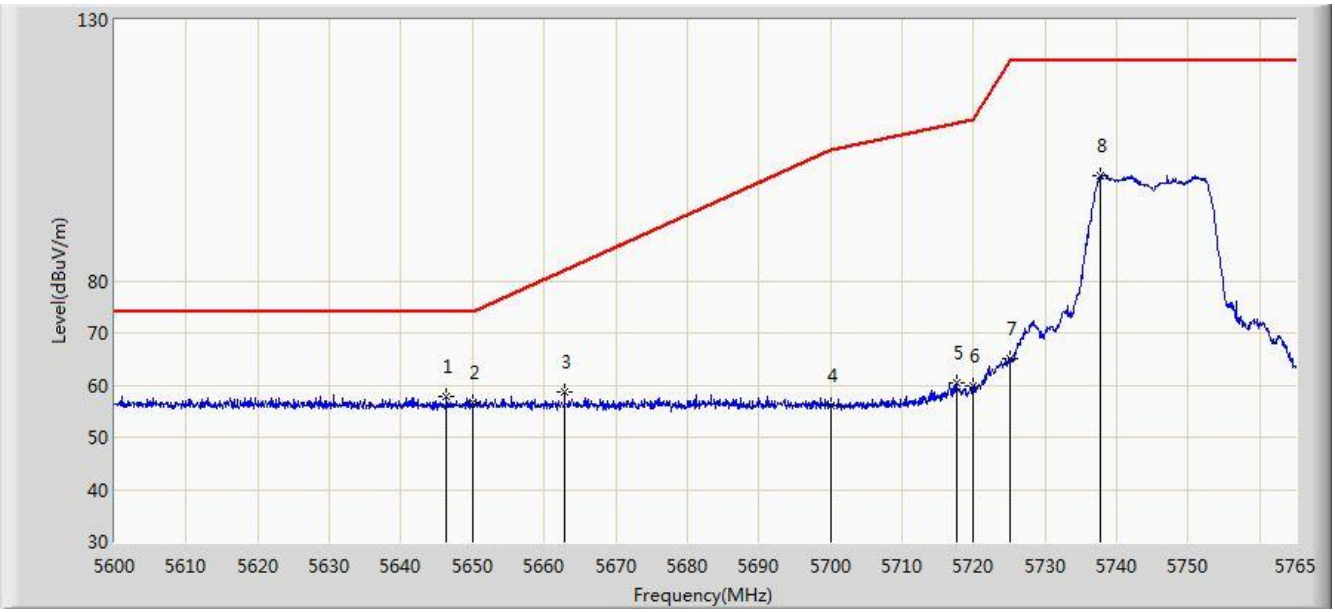


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	44.242	39.163	-9.758	54.000	5.078	AV
2		*	5742.478	99.724	94.266	N/A	N/A	5.457	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:40
Limit: FCC_Part15.407_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 802.11a at channel 5745MHz Ant 1	

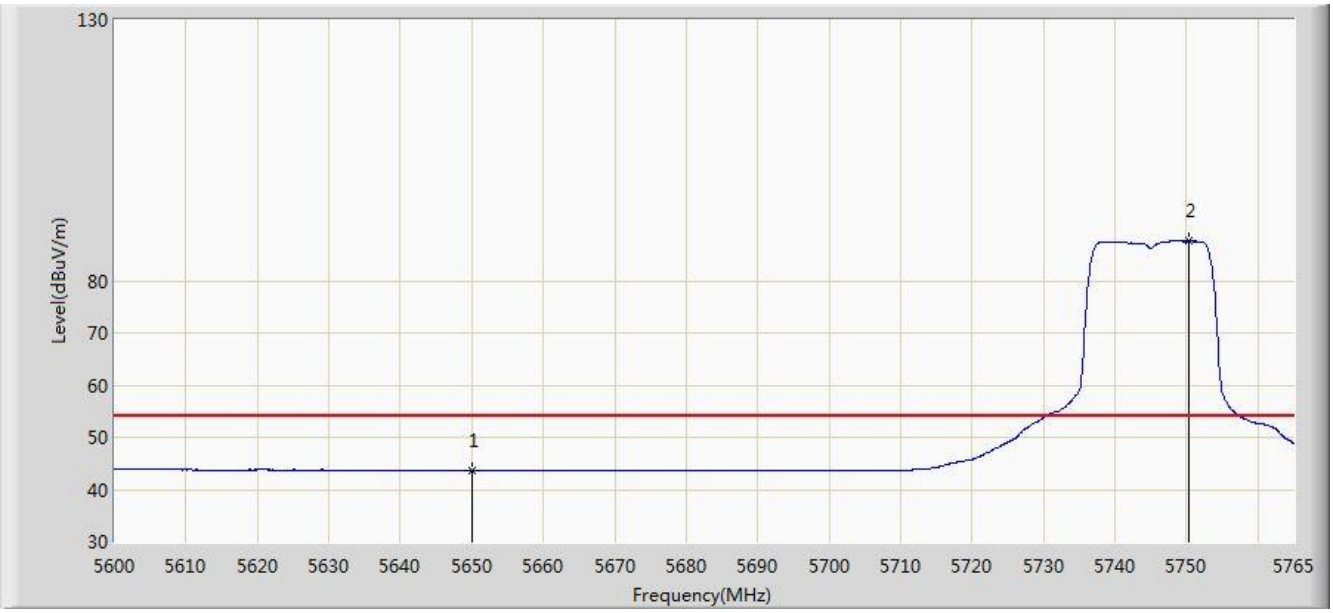


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5646.365	57.702	52.637	-16.298	74.000	5.066	PK
2			5650.000	56.748	51.669	-17.252	74.000	5.078	PK
3			5662.865	58.796	53.668	-23.258	82.054	5.129	PK
4			5700.000	55.947	50.668	-49.253	105.200	5.279	PK
5			5717.562	60.436	55.083	-49.683	110.118	5.353	PK
6			5720.000	59.755	54.392	-51.045	110.800	5.363	PK
7			5725.000	64.950	59.566	-57.250	122.200	5.384	PK
8			5737.775	100.107	94.669	N/A	N/A	5.438	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:42
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 802.11a at channel 5745MHz Ant 1	

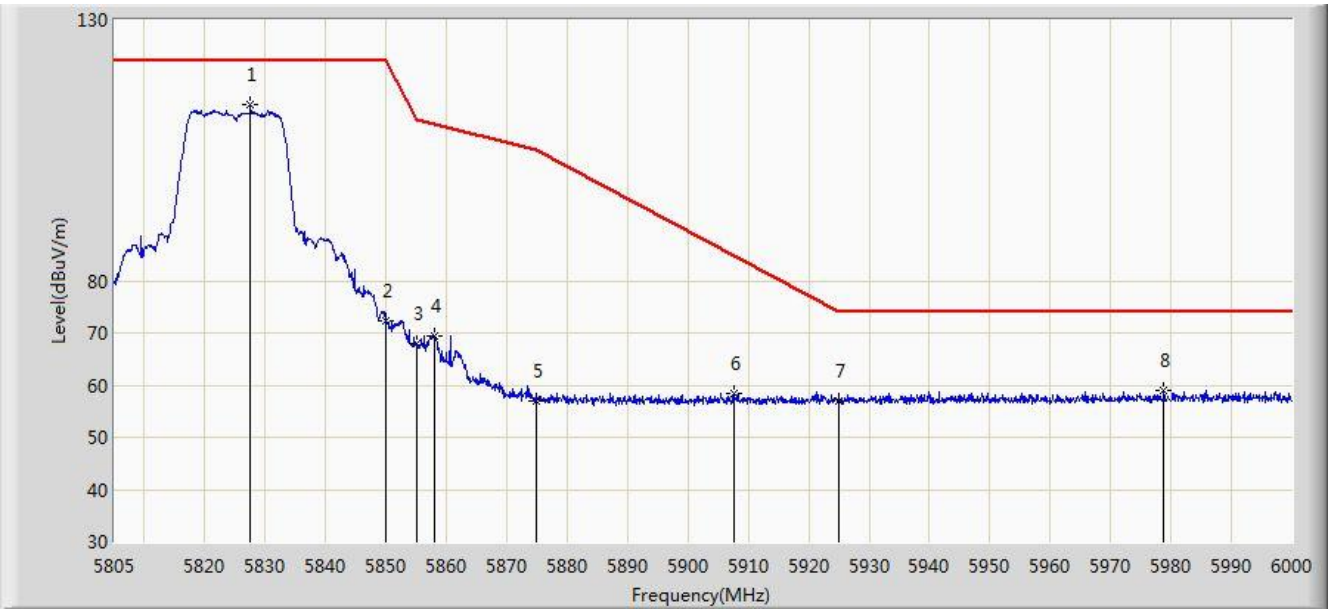


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	43.659	38.580	-10.341	54.000	5.078	AV
2		*	5750.397	87.611	82.122	N/A	N/A	5.490	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:44
Limit: FCC_Part15.407_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 802.11a at channel 5825MHz Ant 1	

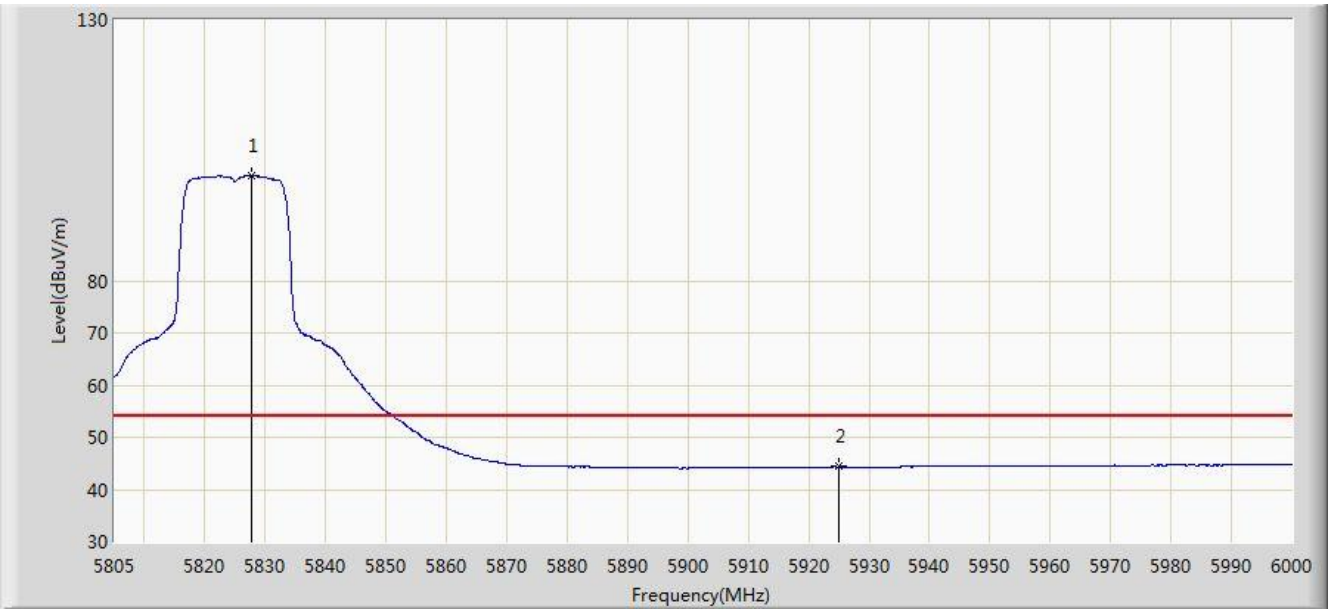


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.522	113.648	107.854	N/A	N/A	5.793	PK
2			5850.000	72.227	66.343	-49.973	122.200	5.884	PK
3			5855.000	67.874	61.970	-42.926	110.800	5.904	PK
4			5857.942	69.380	63.464	-40.595	109.975	5.917	PK
5			5875.000	57.073	51.089	-48.127	105.200	5.985	PK
6			5907.570	58.455	52.340	-26.392	84.846	6.114	PK
7			5925.000	56.973	50.792	-17.027	74.000	6.182	PK
8			5978.842	59.092	52.709	-14.908	74.000	6.383	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:50
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 802.11a at channel 5825MHz Ant 1	

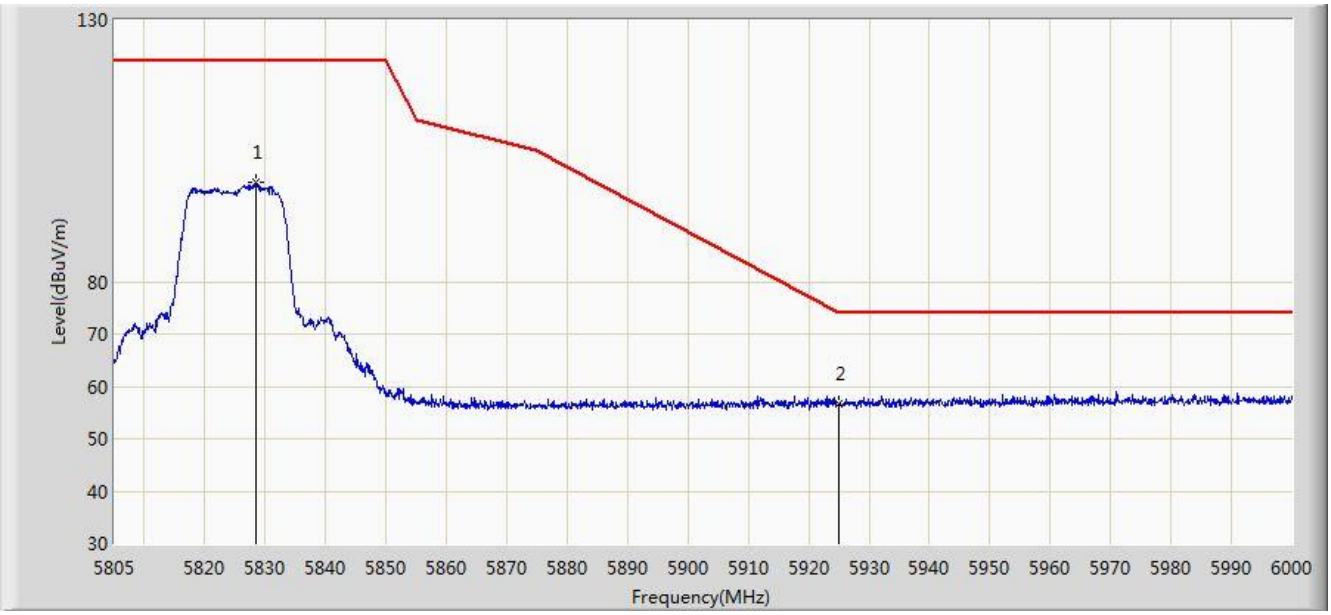


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.620	100.169	94.375	N/A	N/A	5.793	AV
2			5925.000	44.351	38.170	-9.649	54.000	6.182	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:51
Limit: FCC_Part15.407_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 802.11a at channel 5825MHz Ant 1	

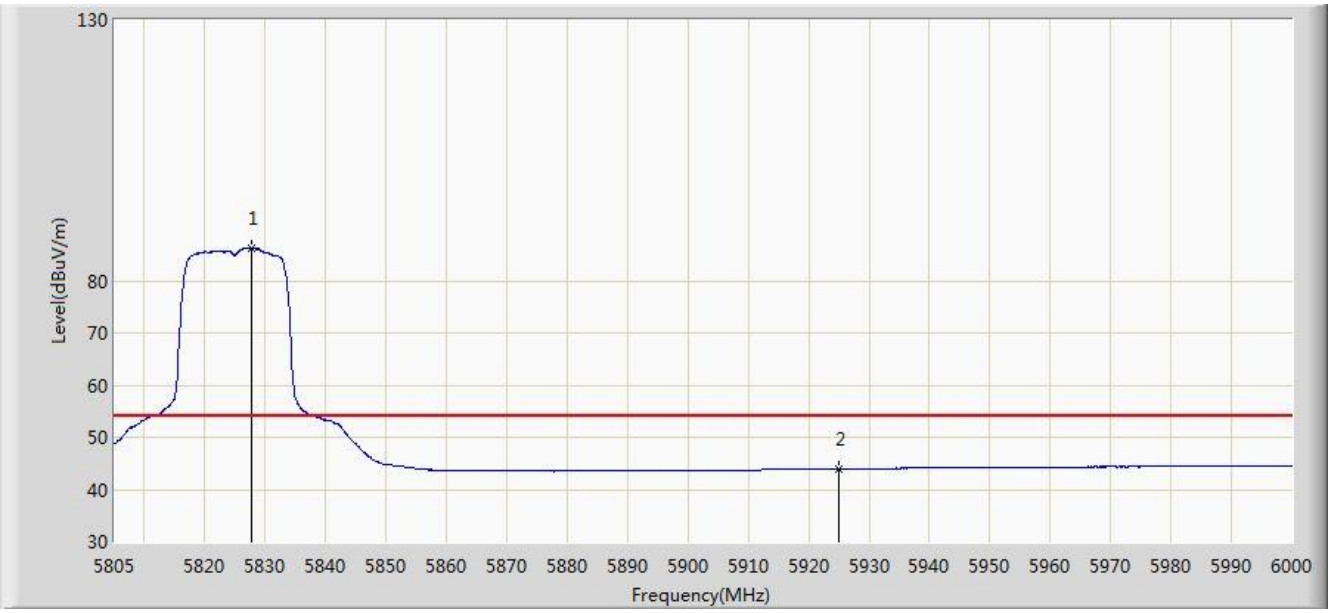


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.400	99.003	93.206	N/A	N/A	5.797	PK
2		*	5925.000	56.623	50.442	-17.377	74.000	6.182	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:53
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 802.11a at channel 5825MHz Ant 1	

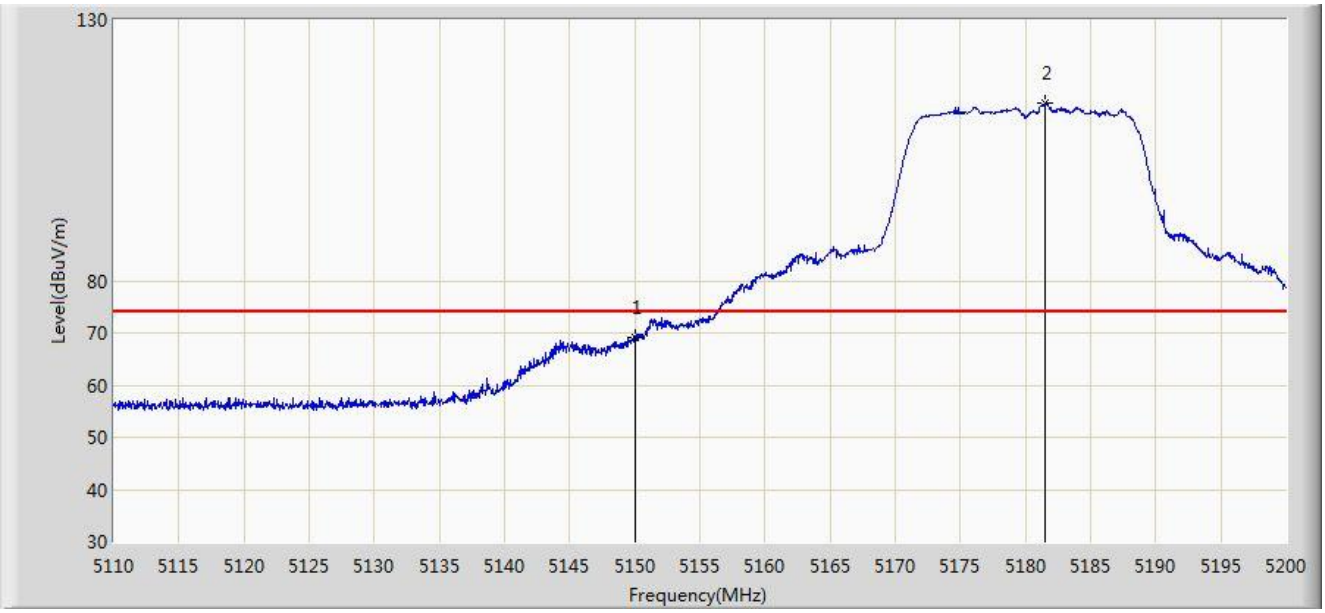


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.620	86.223	80.429	N/A	N/A	5.793	AV
2			5925.000	43.980	37.799	-10.020	54.000	6.182	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:53
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 5180MHz Ant 1	

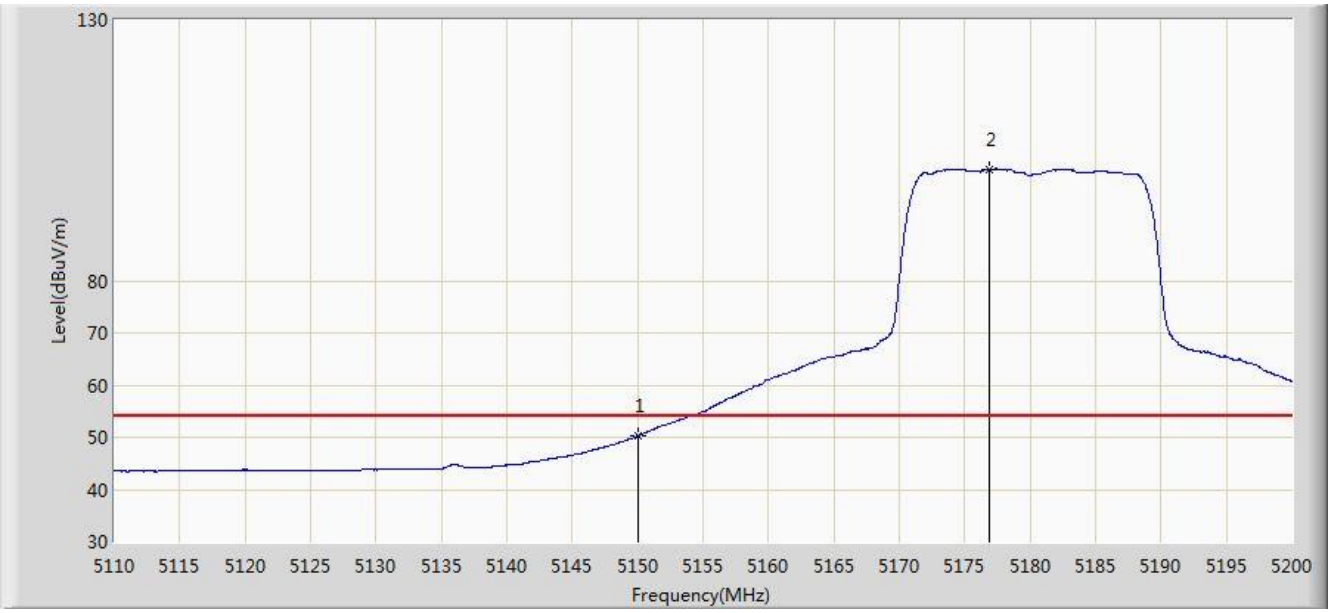


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	69.196	65.352	-4.804	74.000	3.844	PK
2		*	5181.505	114.141	110.250	N/A	N/A	3.891	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:55
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 802.11n-HT20 at channel 5180MHz Ant 1	

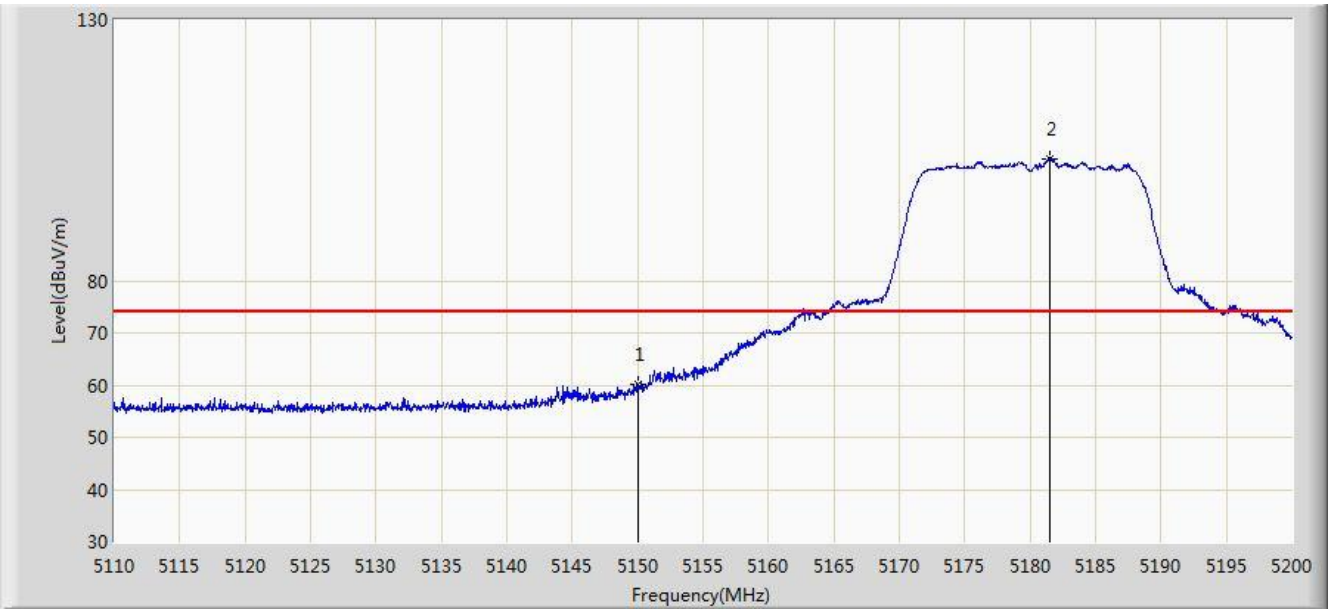


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.214	46.370	-3.786	54.000	3.844	AV
2		*	5176.825	101.363	97.479	N/A	N/A	3.885	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:55
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 5180MHz Ant 1	

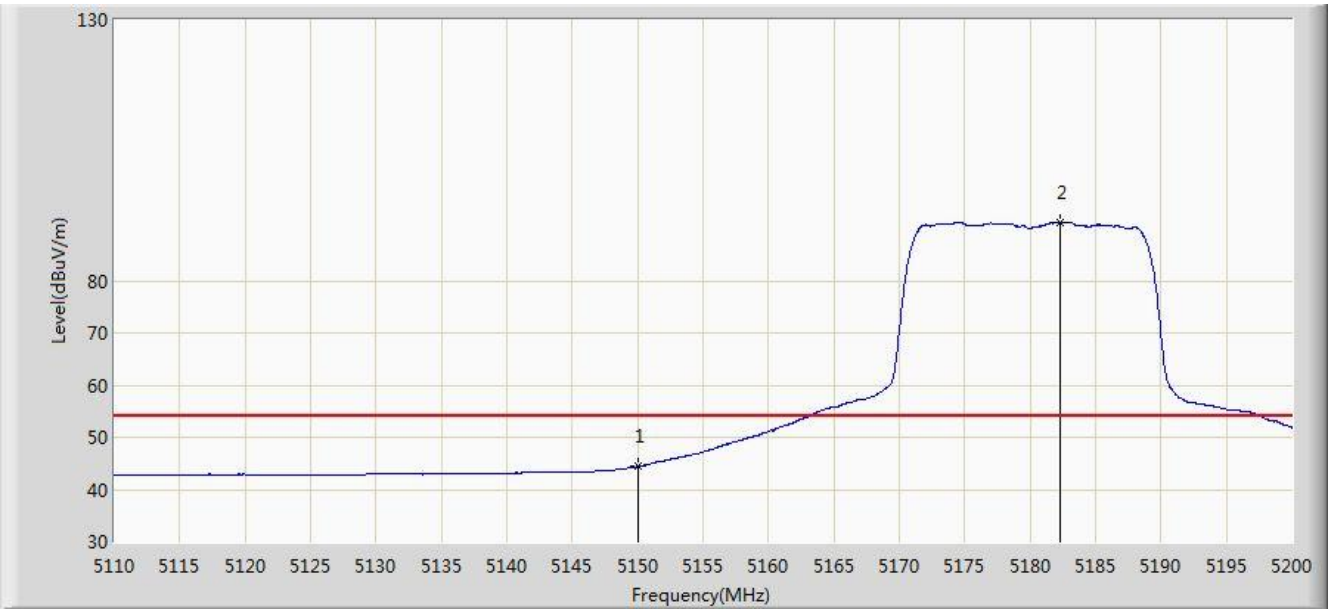


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	60.175	56.331	-13.825	74.000	3.844	PK
2		*	5181.460	103.467	99.576	N/A	N/A	3.891	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:57
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 5180MHz Ant 1	

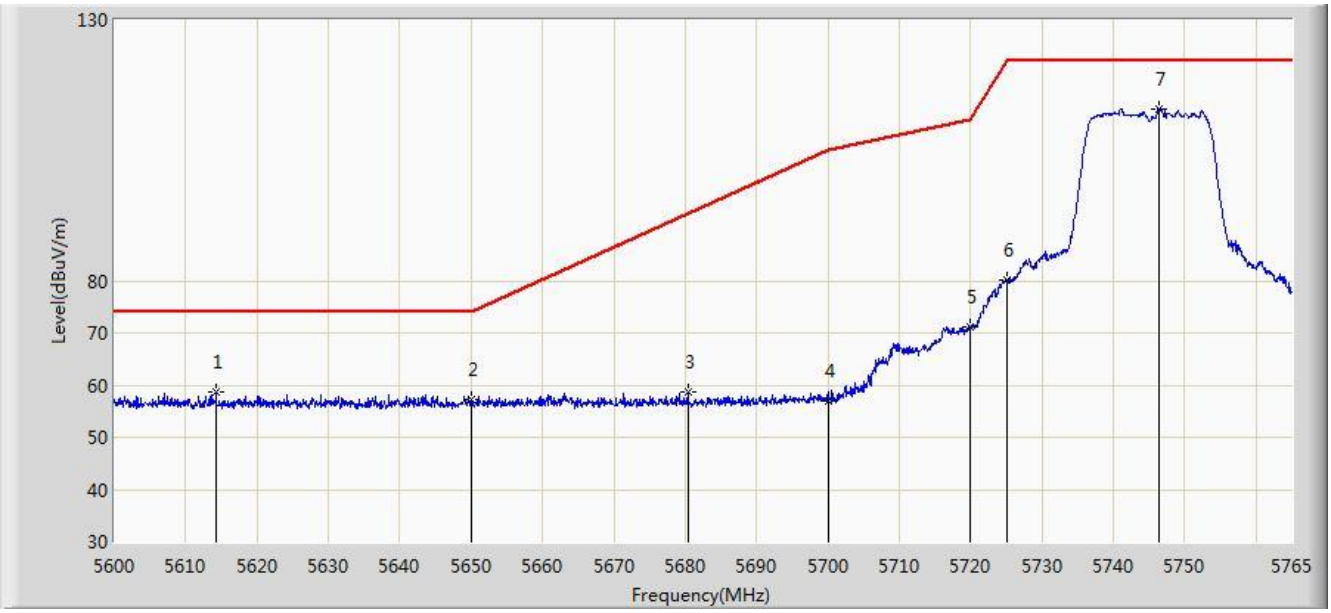


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.444	40.600	-9.556	54.000	3.844	AV
2		*	5182.270	91.050	87.158	N/A	N/A	3.891	AV

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

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

Site: AC1	Time: 2017/08/02 - 10:58
Limit: FCC_Part15.407_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 5745MHz Ant 1	

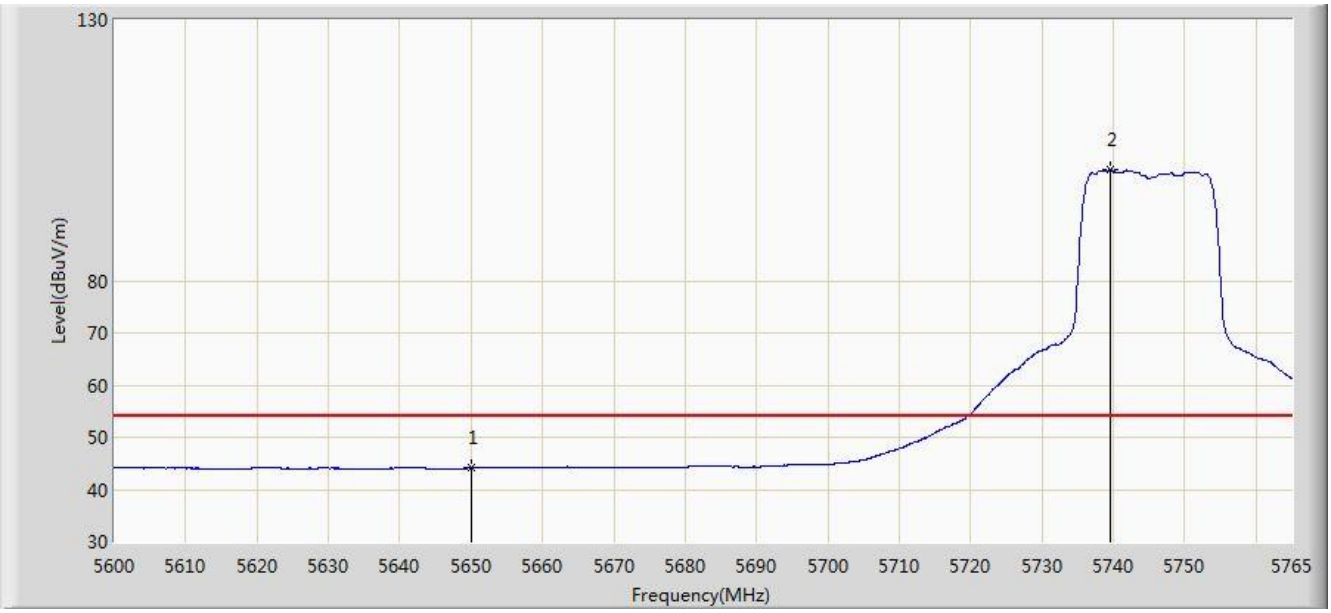


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5614.272	58.691	53.739	-15.309	74.000	4.953	PK
2			5650.000	57.108	52.029	-16.892	74.000	5.078	PK
3			5680.355	58.813	53.614	-34.162	92.974	5.200	PK
4			5700.000	57.079	51.800	-48.121	105.200	5.279	PK
5			5720.000	71.091	65.728	-39.709	110.800	5.363	PK
6			5725.000	80.047	74.663	-42.153	122.200	5.384	PK
7		*	5746.437	112.911	107.438	N/A	N/A	5.473	PK

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

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

Site: AC1	Time: 2017/08/02 - 10:59
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 5745MHz Ant 1	

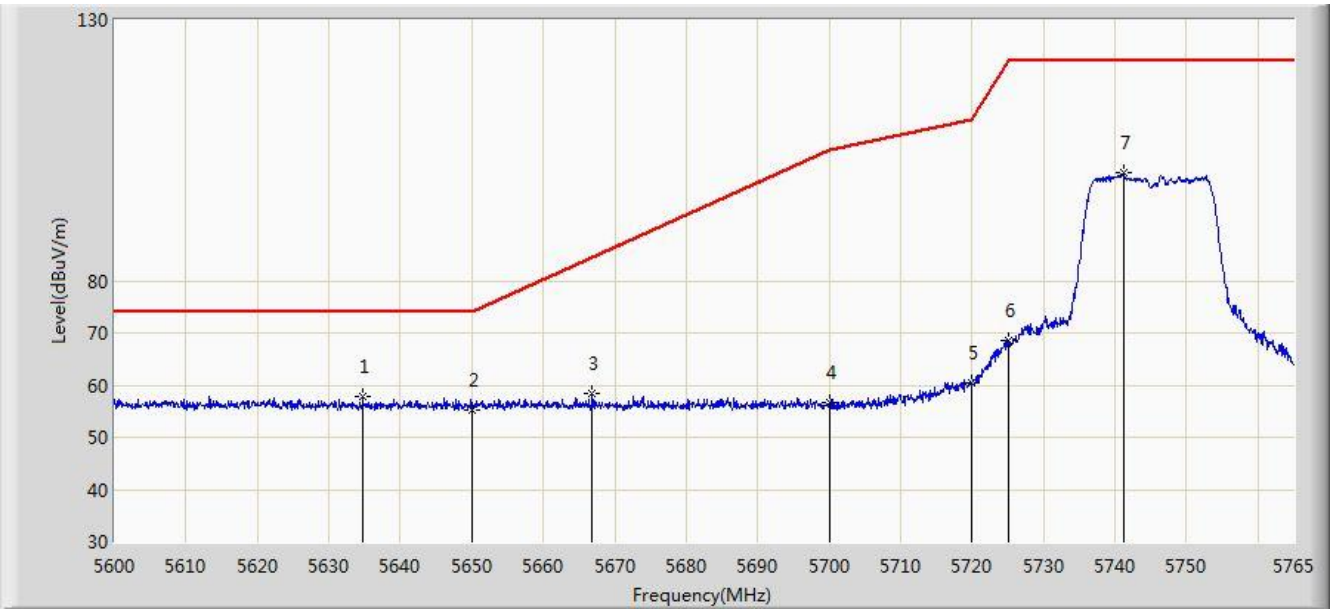


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	44.069	38.990	-9.931	54.000	5.078	AV
2		*	5739.507	101.279	95.834	N/A	N/A	5.445	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:00
Limit: FCC_Part15.407_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 5745MHz Ant 1	

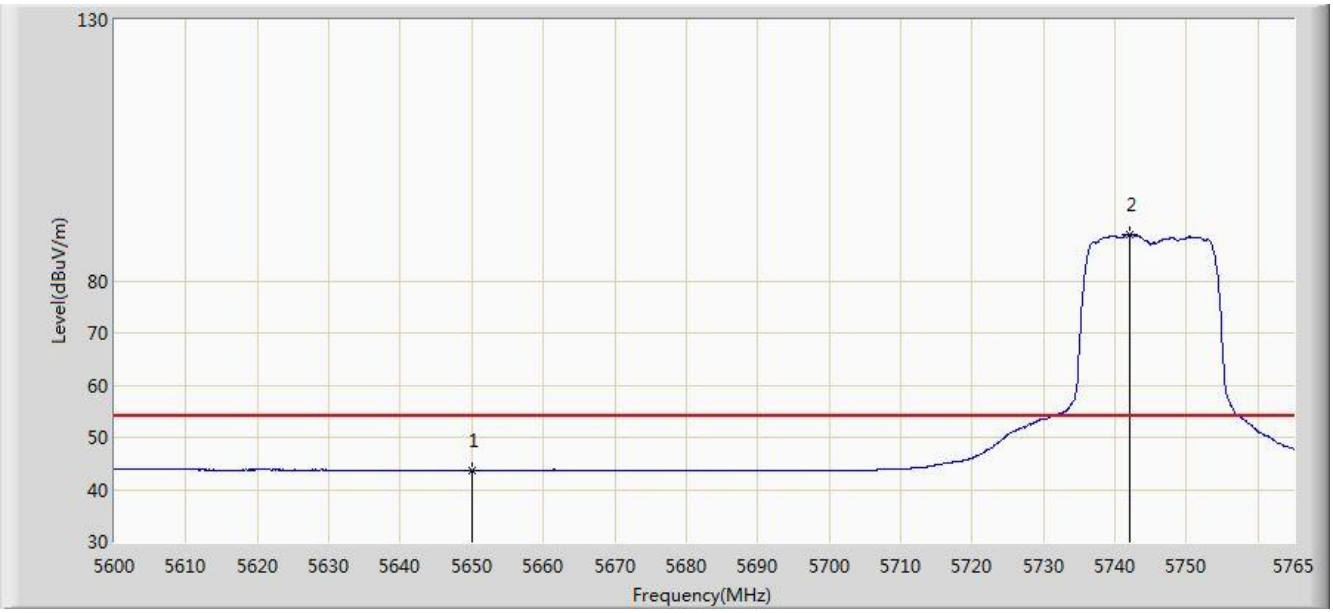


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.732	57.845	52.821	-16.155	74.000	5.024	PK
2			5650.000	55.347	50.268	-18.653	74.000	5.078	PK
3			5666.825	58.550	53.406	-25.979	84.530	5.144	PK
4			5700.000	56.759	51.480	-48.441	105.200	5.279	PK
5			5720.000	60.370	55.007	-50.430	110.800	5.363	PK
6			5725.000	68.666	63.282	-53.534	122.200	5.384	PK
7			5741.158	100.761	95.309	N/A	N/A	5.452	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:02
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-HT20 at channel 5745MHz Ant 1	

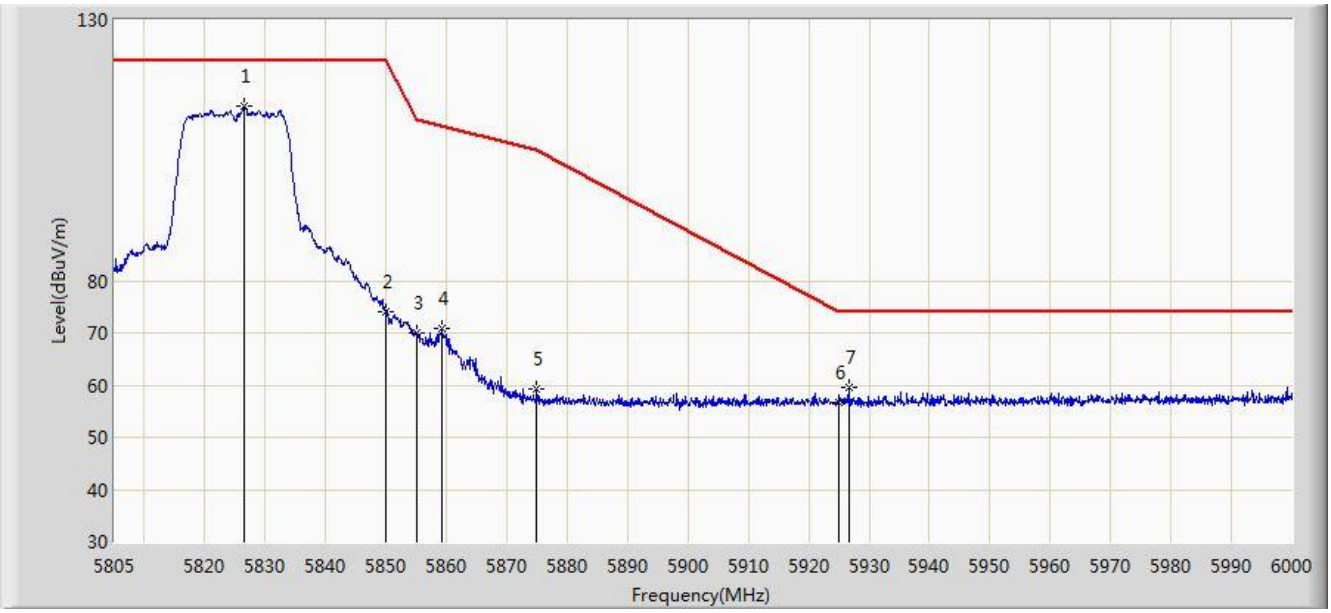


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	43.706	38.627	-10.294	54.000	5.078	AV
2		*	5742.065	88.868	83.412	N/A	N/A	5.456	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:02
Limit: FCC_Part15.407_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 5825MHz Ant 1	

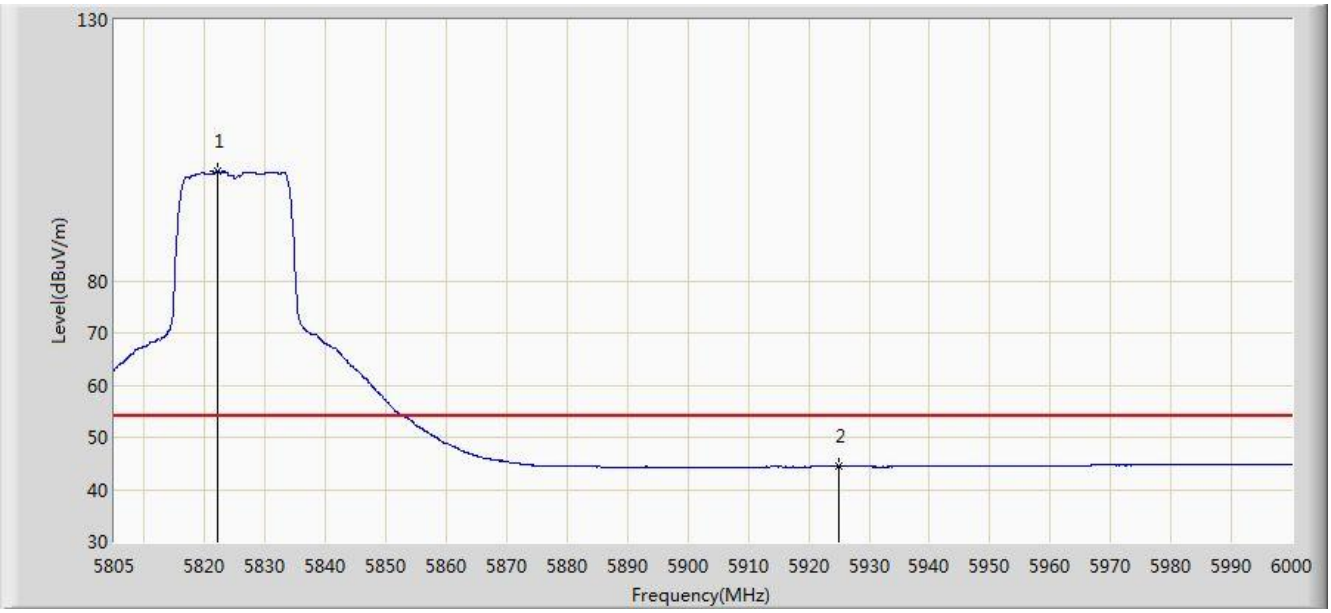


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.450	113.452	107.663	N/A	N/A	5.789	PK
2			5850.000	73.979	68.095	-48.221	122.200	5.884	PK
3			5855.000	69.926	64.022	-40.874	110.800	5.904	PK
4			5859.308	70.789	64.868	-38.803	109.592	5.922	PK
5			5875.000	59.290	53.306	-45.910	105.200	5.985	PK
6			5925.000	56.554	50.373	-17.446	74.000	6.182	PK
7			5926.583	59.674	53.486	-14.326	74.000	6.188	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:04
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 5825MHz Ant 1	

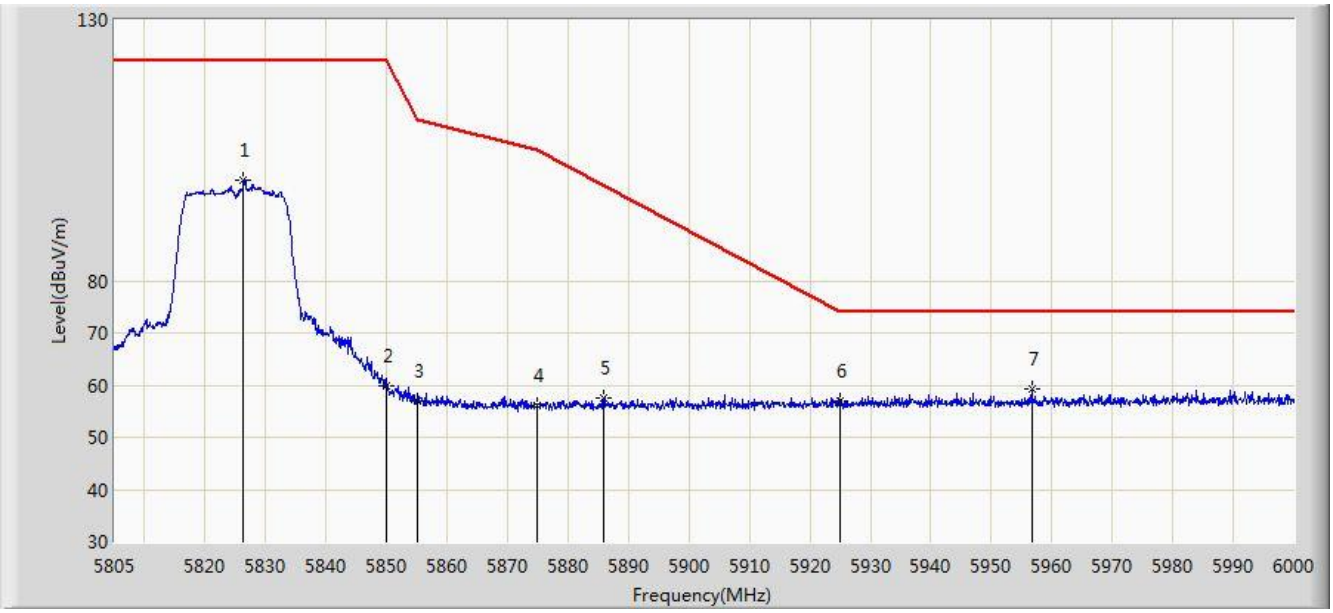


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.160	100.910	95.138	N/A	N/A	5.772	AV
2			5925.000	44.466	38.285	-9.534	54.000	6.182	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:05
Limit: FCC_Part15.407_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 5825MHz Ant 1	

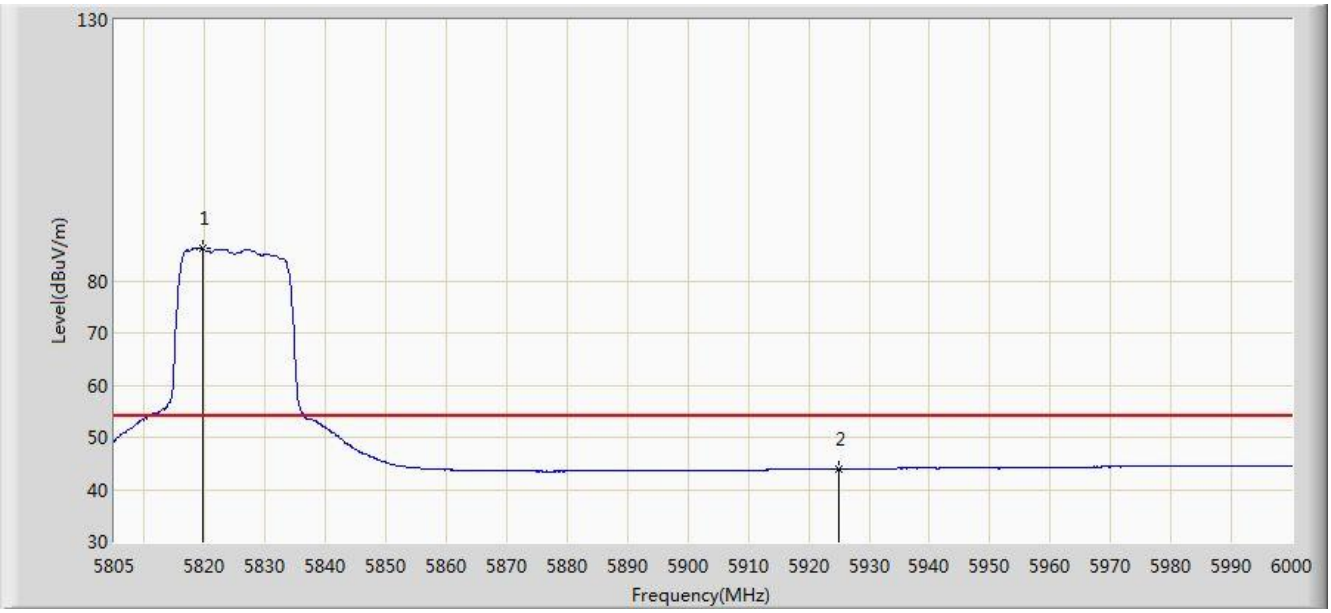


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.353	99.232	93.443	N/A	N/A	5.788	PK
2			5850.000	59.973	54.089	-62.227	122.200	5.884	PK
3			5855.000	57.076	51.172	-53.724	110.800	5.904	PK
4			5875.000	55.978	49.994	-49.222	105.200	5.985	PK
5			5885.828	57.597	51.569	-40.823	98.421	6.028	PK
6			5925.000	57.071	50.890	-16.929	74.000	6.182	PK
7		*	5956.710	59.245	52.943	-14.755	74.000	6.302	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:06
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-HT20 at channel 5825MHz Ant 1	

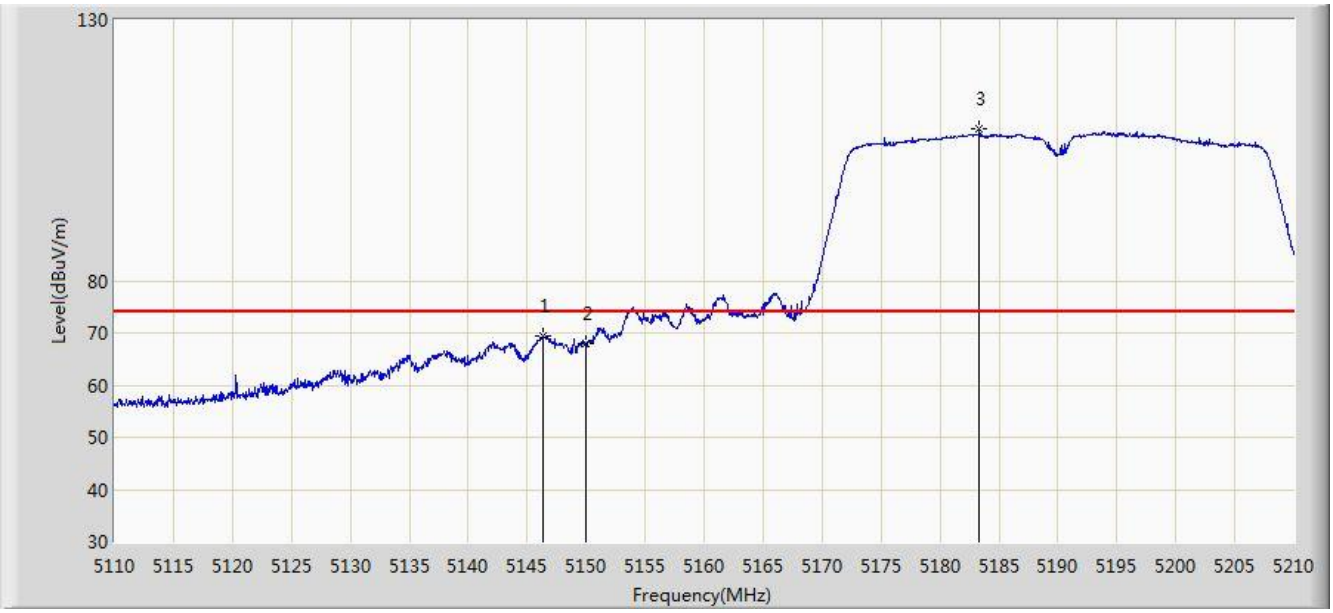


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.723	86.091	80.329	N/A	N/A	5.763	AV
2			5925.000	43.949	37.768	-10.051	54.000	6.182	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:07
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-HT40 at channel 5190MHz Ant 1	

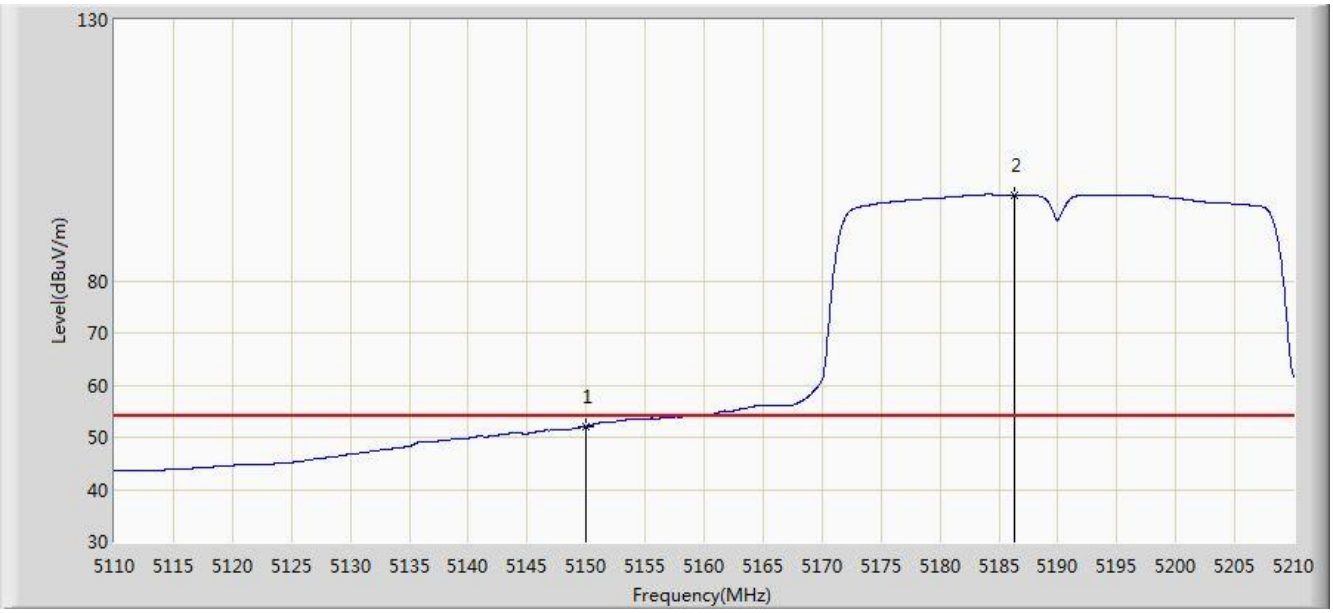


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.350	69.383	65.546	-4.617	74.000	3.837	PK
2			5150.000	67.879	64.035	-6.121	74.000	3.844	PK
3		*	5183.350	109.155	105.261	N/A	N/A	3.893	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:09
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 802.11n-HT40 at channel 5190MHz Ant 1	

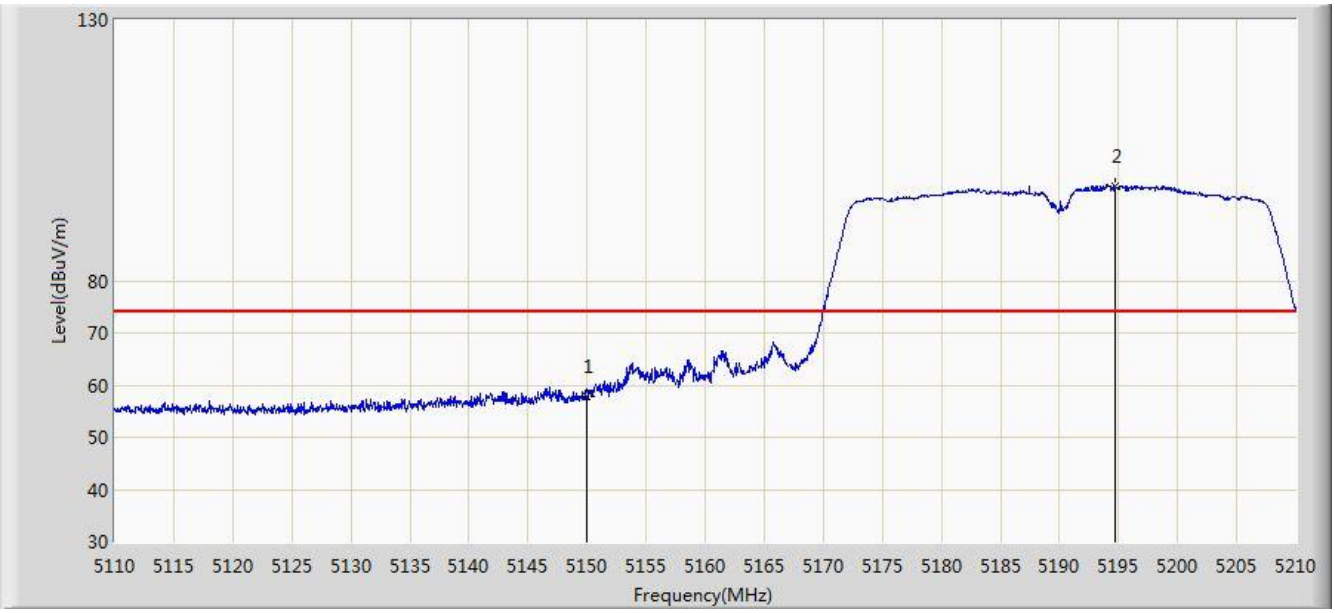


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.003	48.159	-1.997	54.000	3.844	AV
2		*	5186.300	96.383	92.485	N/A	N/A	3.898	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:10
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 802.11n-HT40 at channel 5190MHz Ant 1	

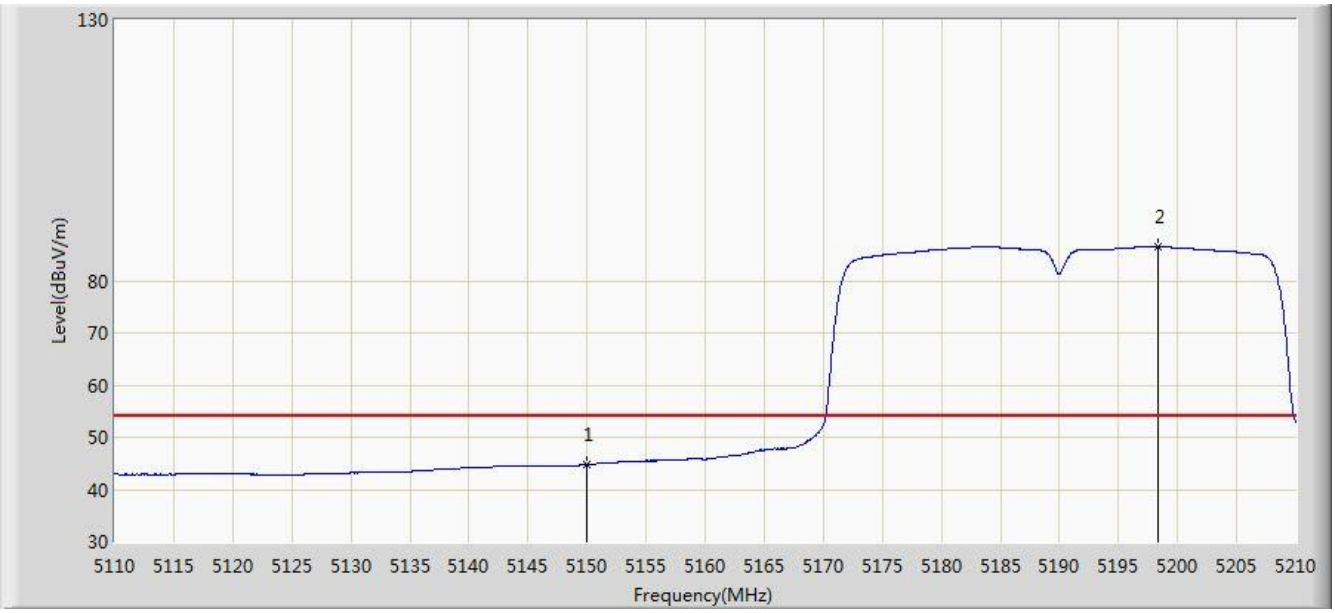


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	57.925	54.081	-16.075	74.000	3.844	PK
2		*	5194.650	98.189	94.279	N/A	N/A	3.910	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:13
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 5190MHz Ant 1	

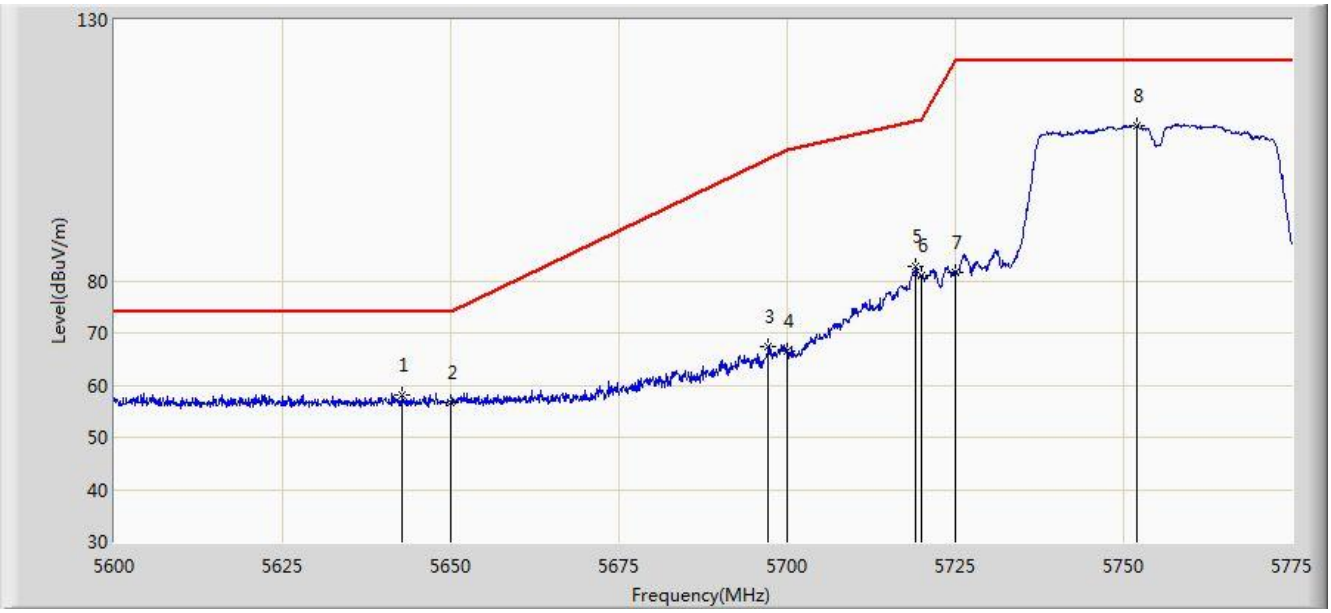


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.771	40.927	-9.229	54.000	3.844	AV
2		*	5198.300	86.489	82.574	N/A	N/A	3.916	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:14
Limit: FCC_Part15.407_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 5755MHz Ant 1	

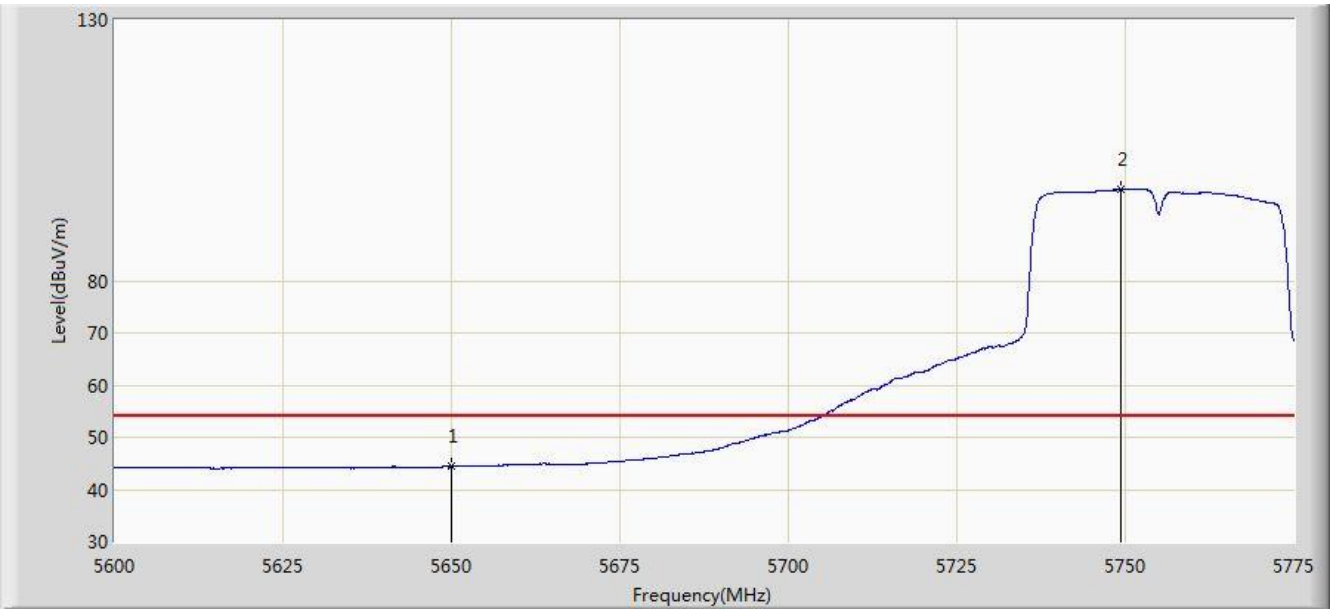


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5642.700	58.257	53.205	-15.743	74.000	5.052	PK
2			5650.000	56.749	51.670	-17.251	74.000	5.078	PK
3			5697.212	67.311	62.044	-36.156	103.468	5.267	PK
4			5700.000	66.401	61.122	-38.799	105.200	5.279	PK
5			5719.087	82.784	77.425	-27.761	110.545	5.360	PK
6			5720.000	80.997	75.634	-29.803	110.800	5.363	PK
7			5725.000	81.625	76.241	-40.575	122.200	5.384	PK
8		*	5752.075	109.734	104.238	N/A	N/A	5.495	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:15
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 5755MHz Ant 1	

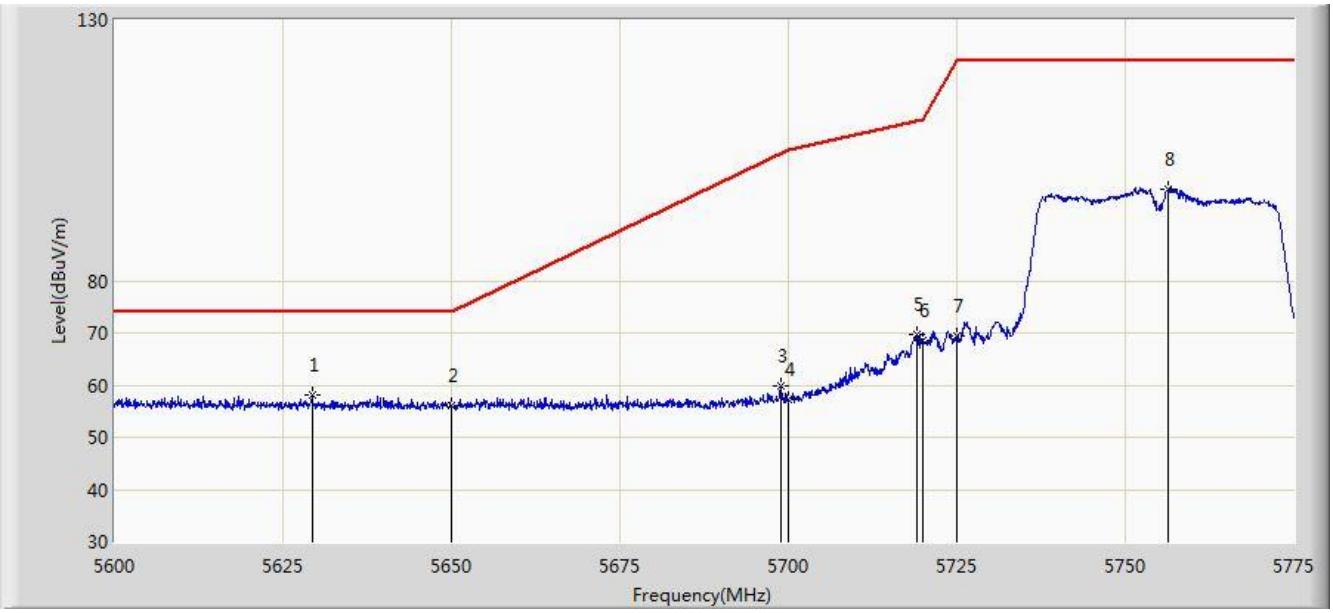


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	44.413	39.334	-9.587	54.000	5.078	AV
2		*	5749.362	97.434	91.949	N/A	N/A	5.485	AV

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

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

Site: AC1	Time: 2017/08/02 - 11:16
Limit: FCC_Part15.407_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 5755MHz Ant 1	

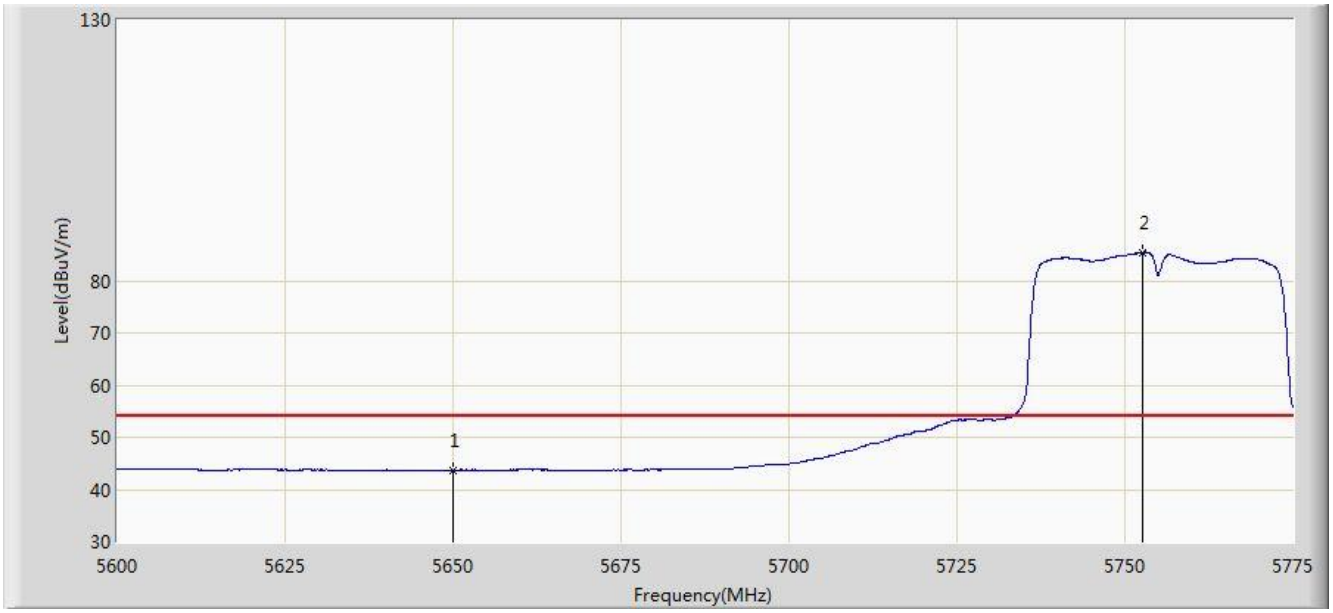


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5629.400	57.984	52.979	-16.016	74.000	5.005	PK
2			5650.000	55.953	50.874	-18.047	74.000	5.078	PK
3			5698.875	59.884	54.610	-44.617	104.501	5.274	PK
4			5700.000	57.177	51.898	-48.023	105.200	5.279	PK
5			5719.000	69.758	64.399	-40.763	110.520	5.358	PK
6			5720.000	68.661	63.298	-42.139	110.800	5.363	PK
7			5725.000	69.348	63.964	-52.852	122.200	5.384	PK
8			5756.275	97.641	92.128	N/A	N/A	5.513	PK

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

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

Site: AC1	Time: 2017/08/02 - 11:18
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 5755MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	43.736	38.657	-10.264	54.000	5.078	AV
2		*	5752.687	85.438	79.939	N/A	N/A	5.498	AV

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

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