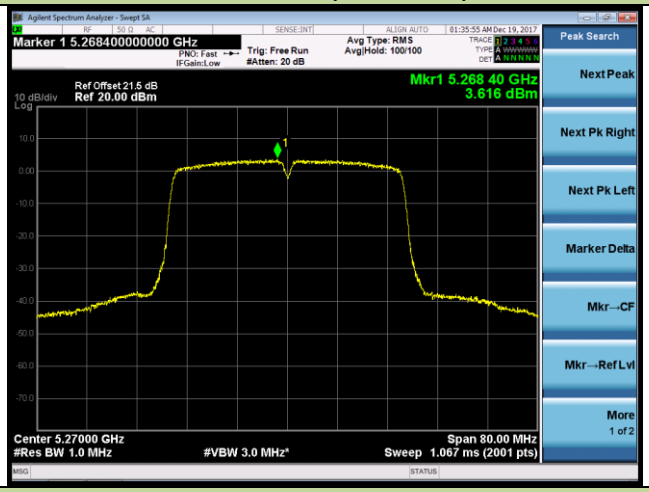
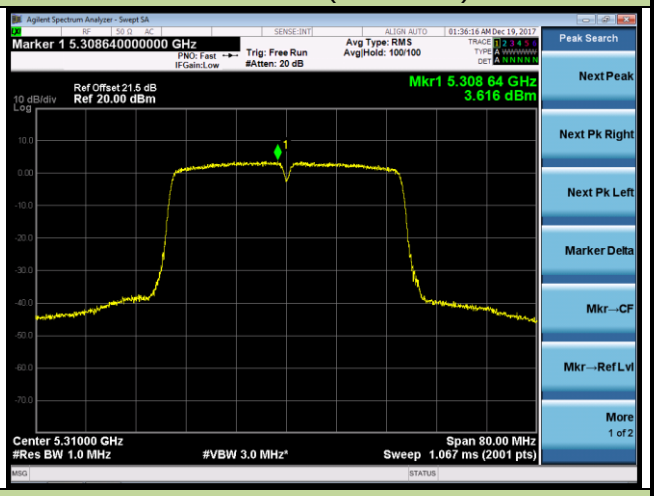
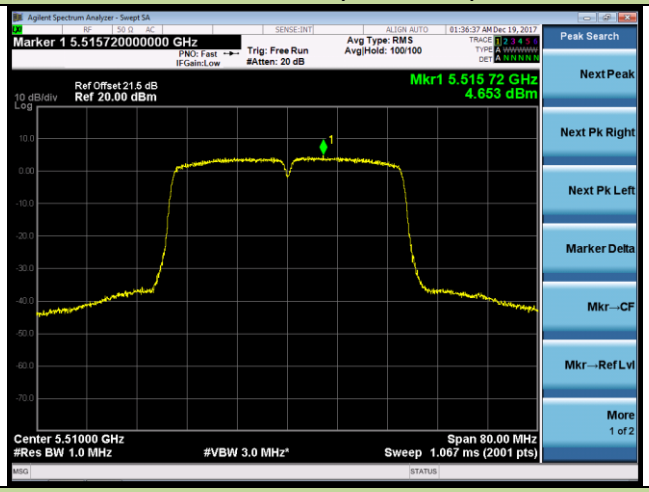
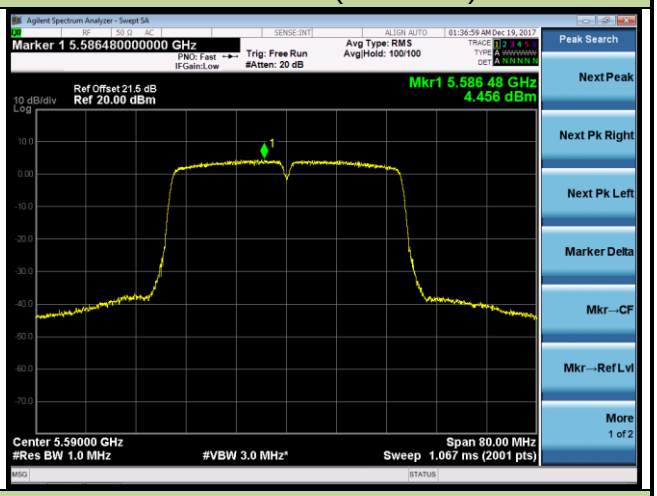
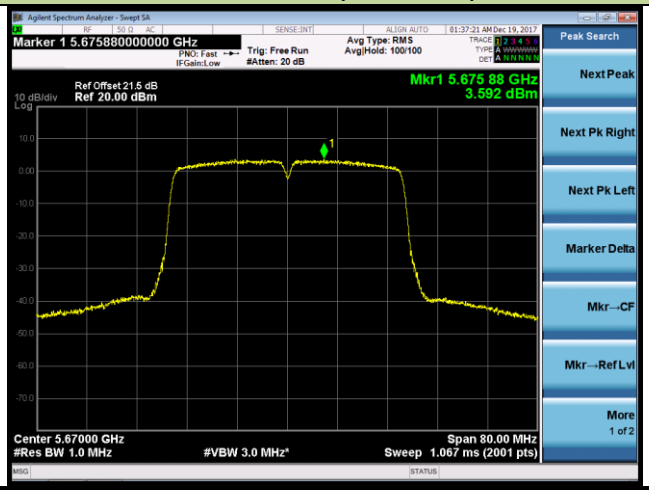
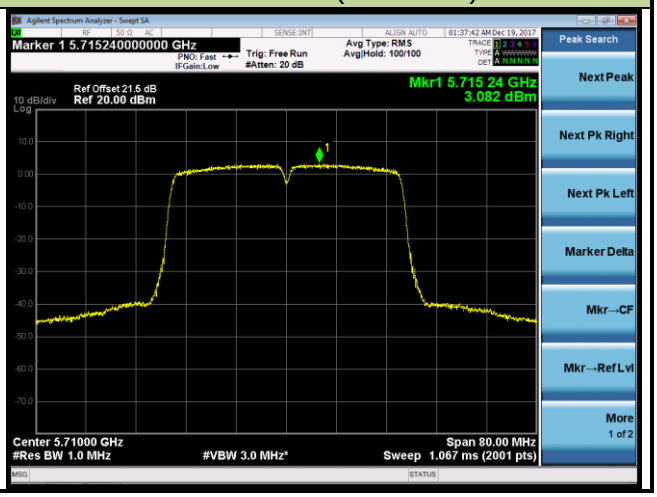
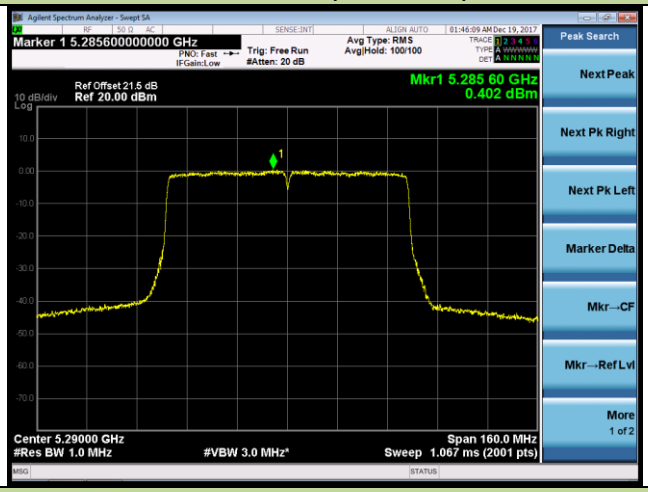
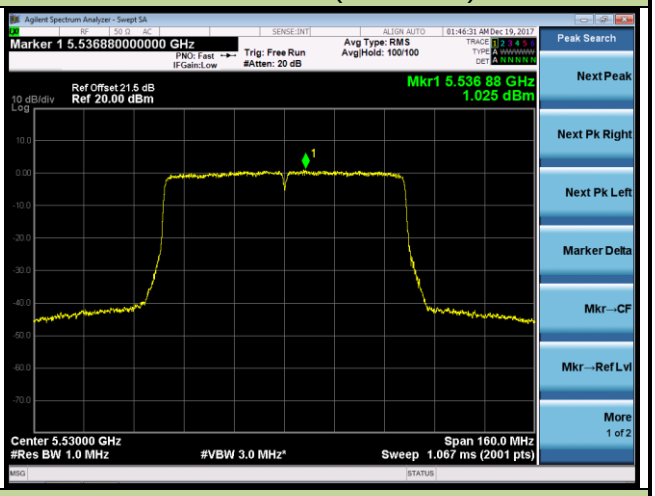
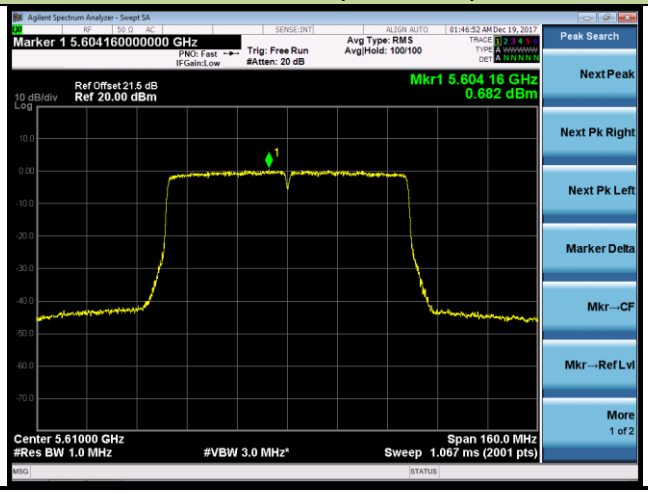
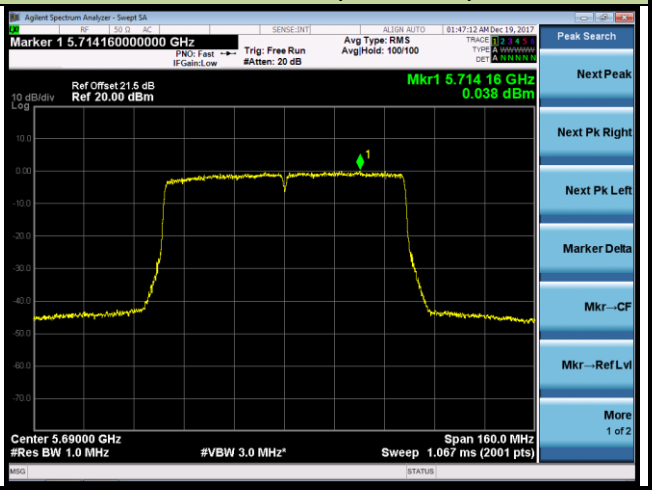
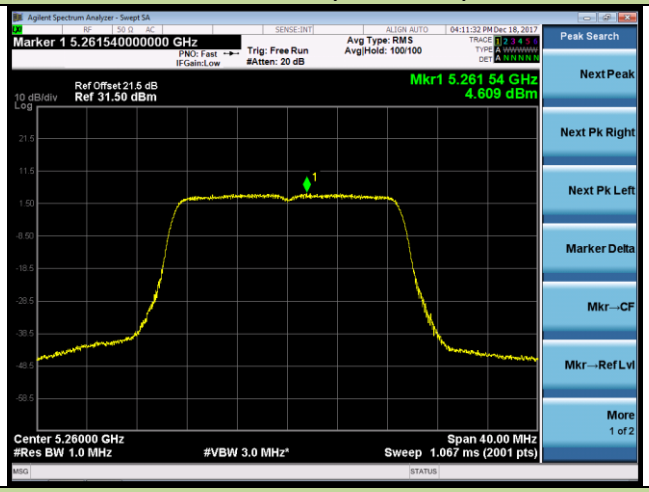
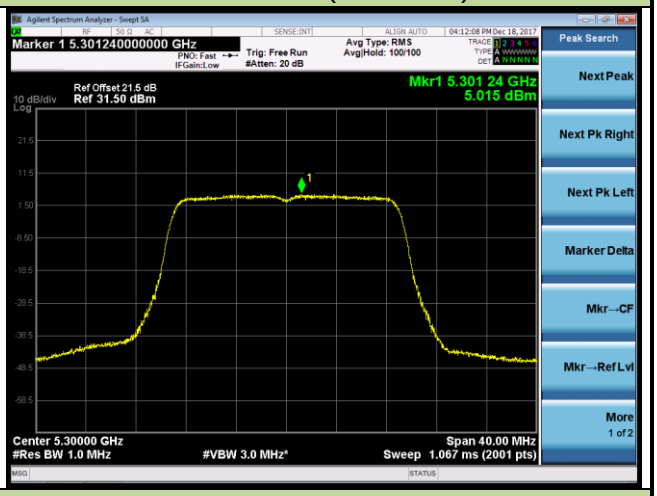
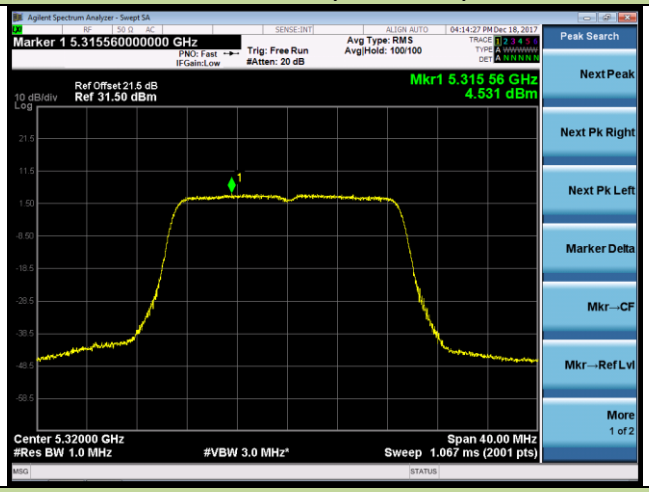
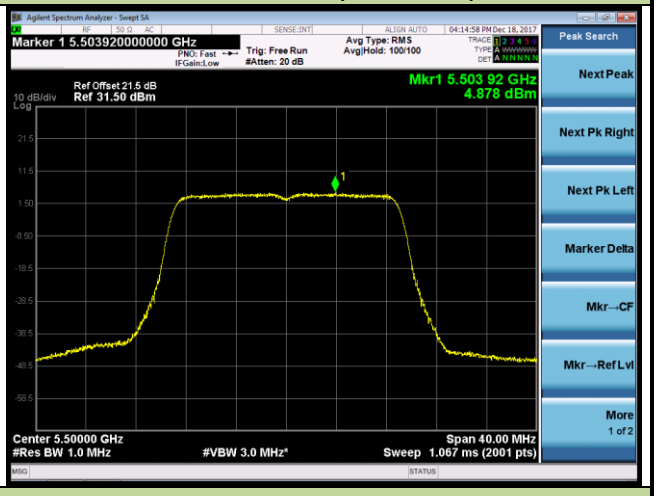
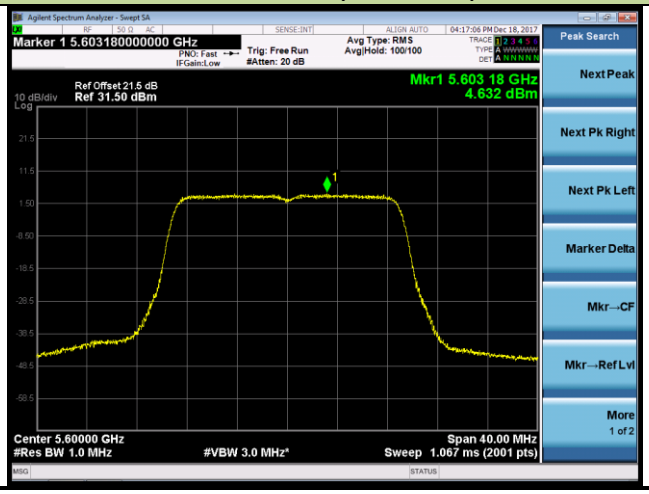
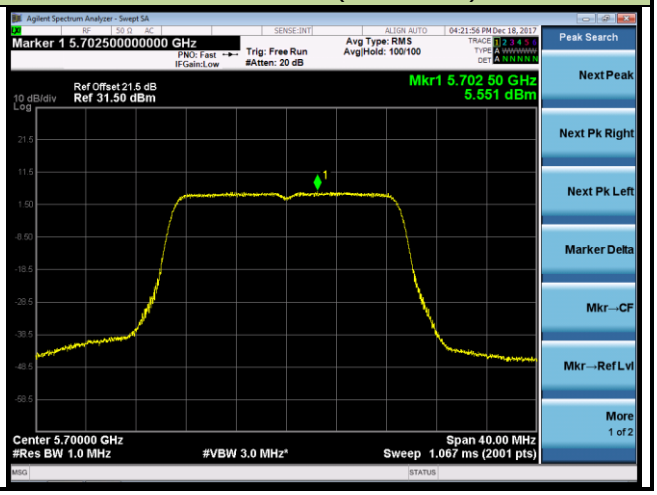
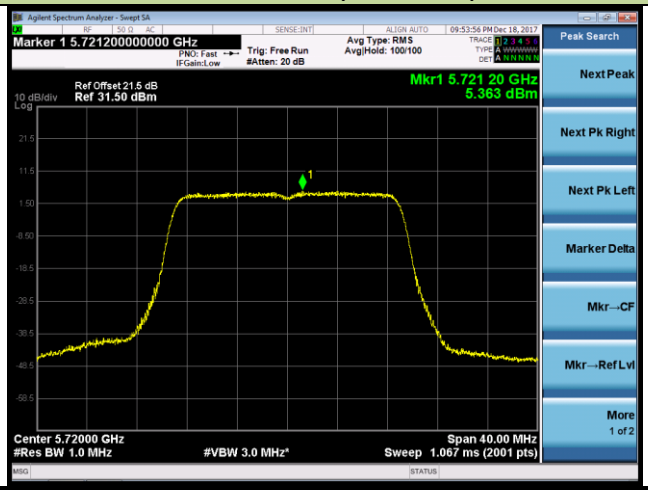
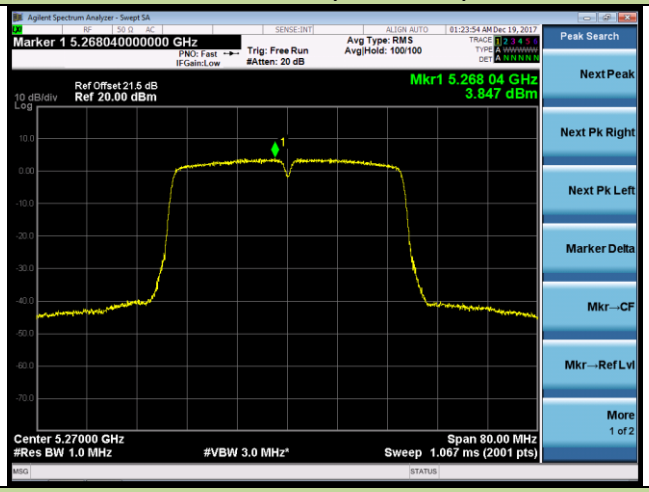
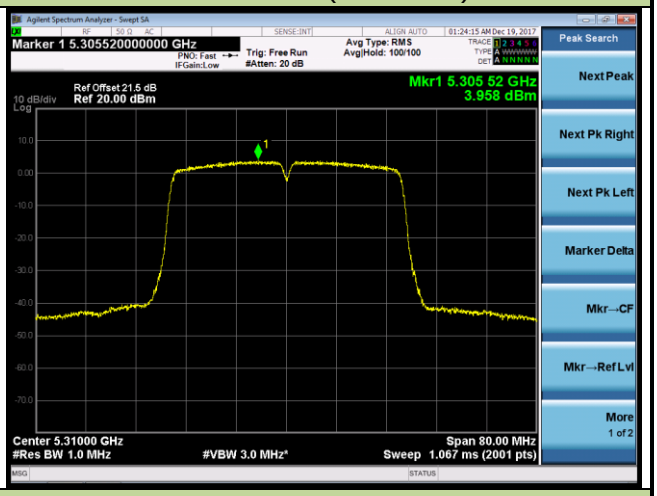
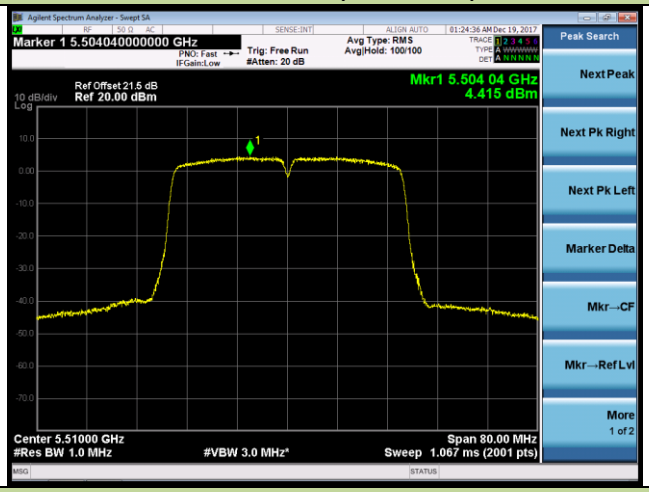
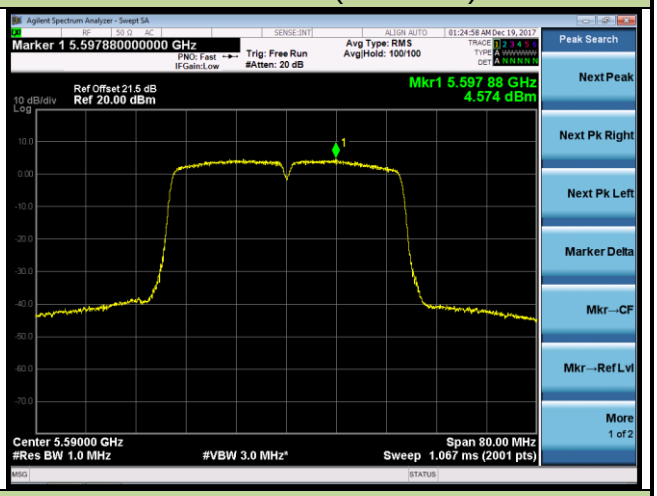
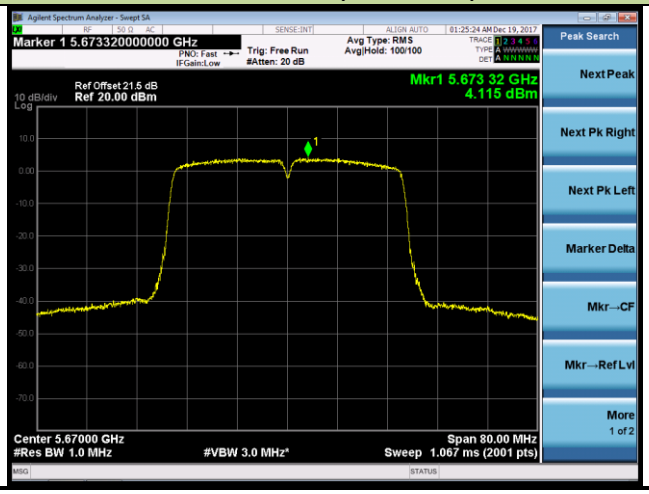
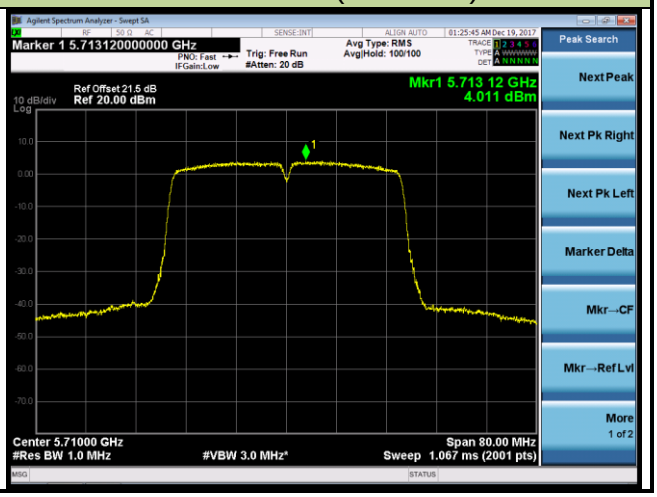
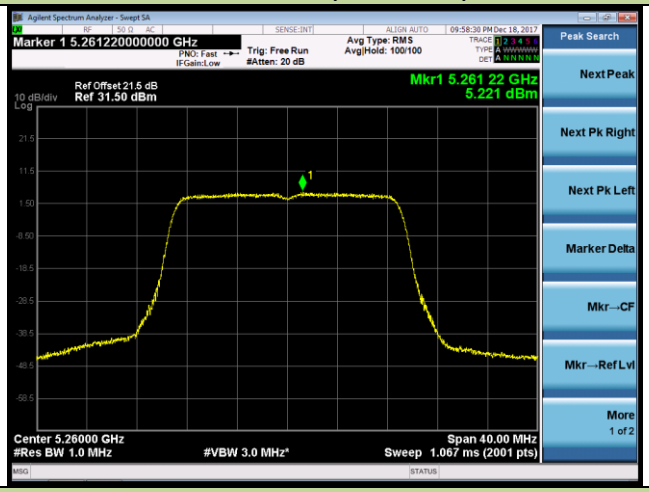
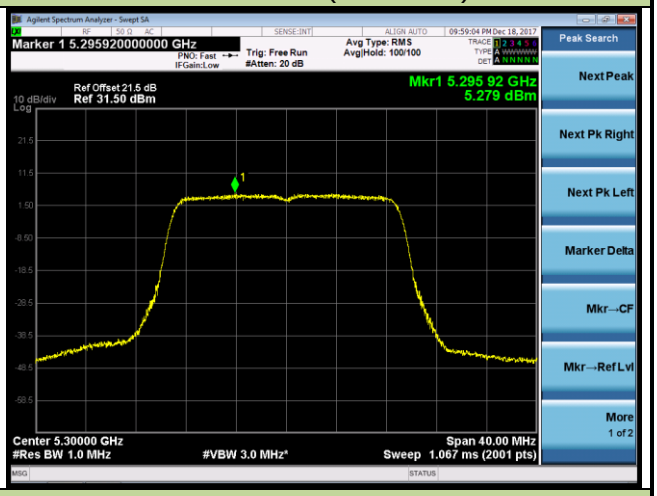
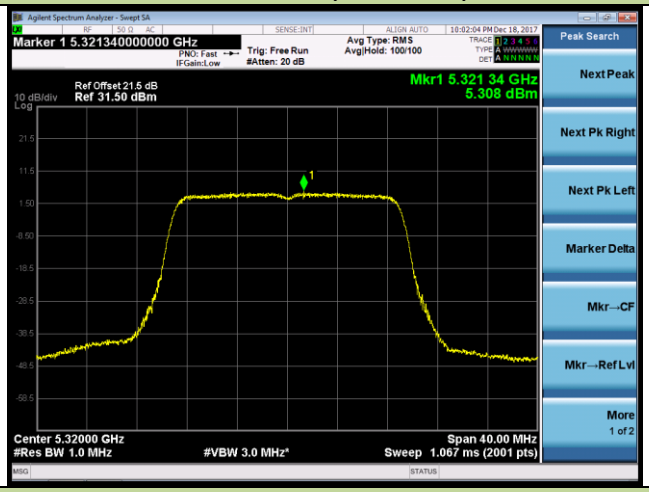
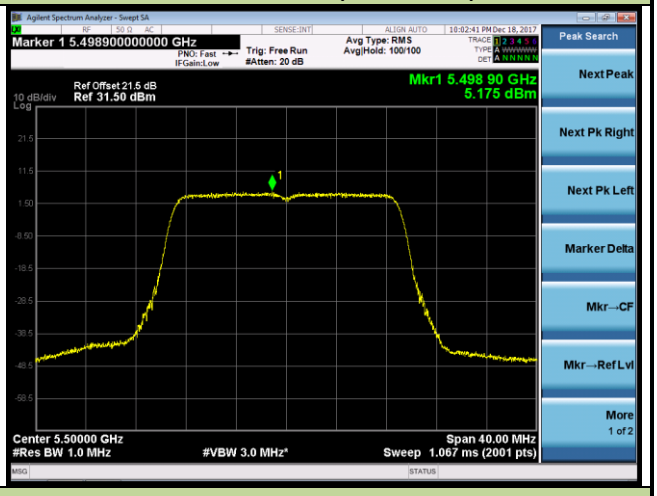
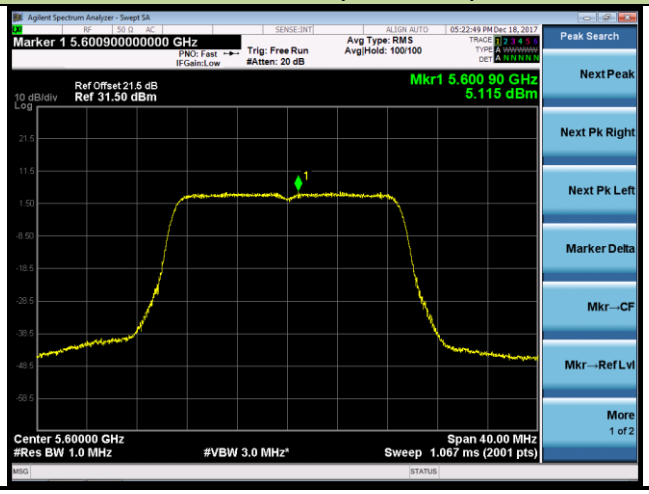
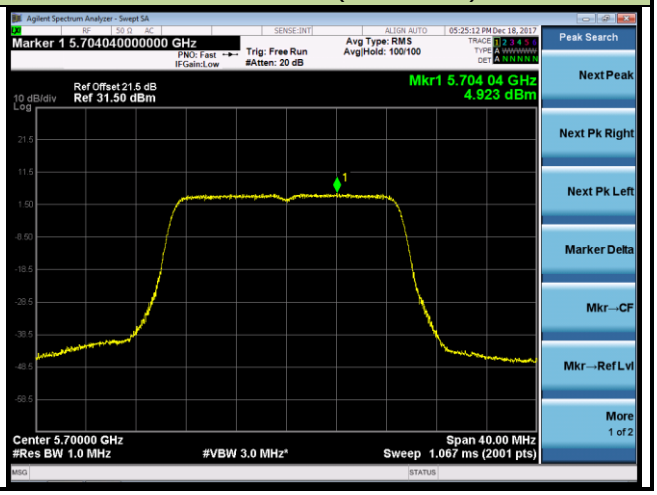
802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

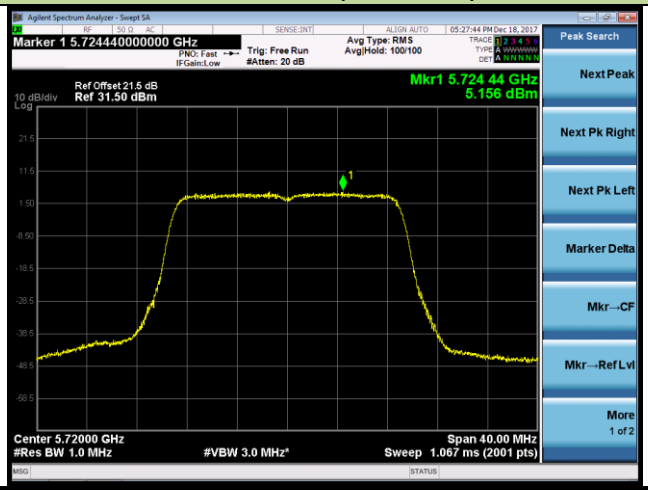
802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

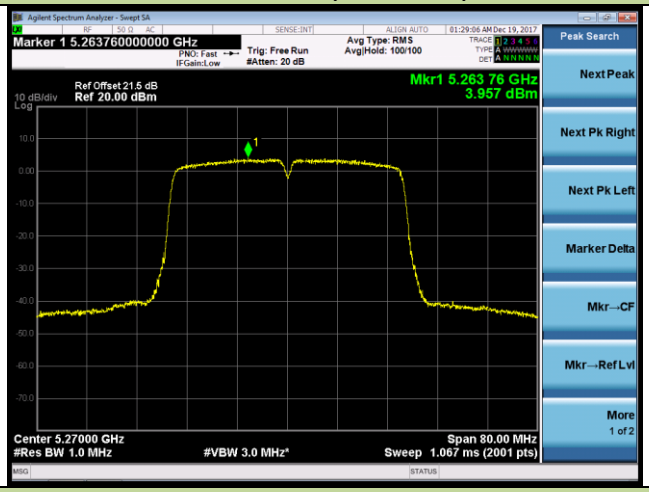
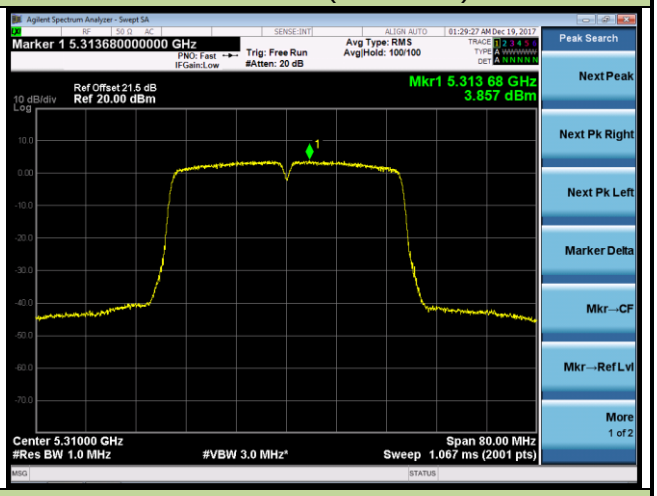
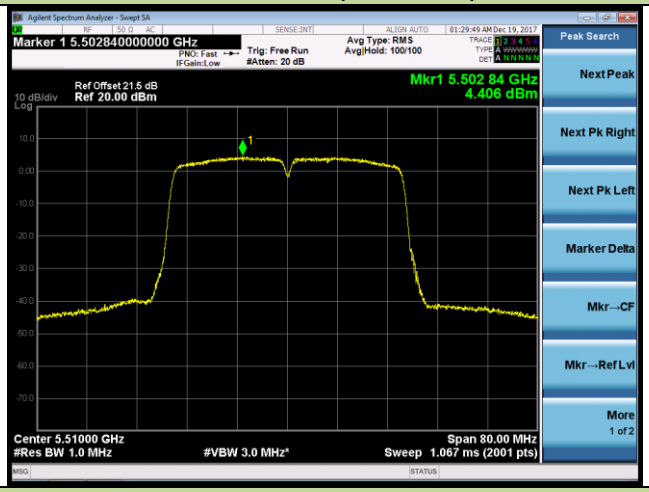
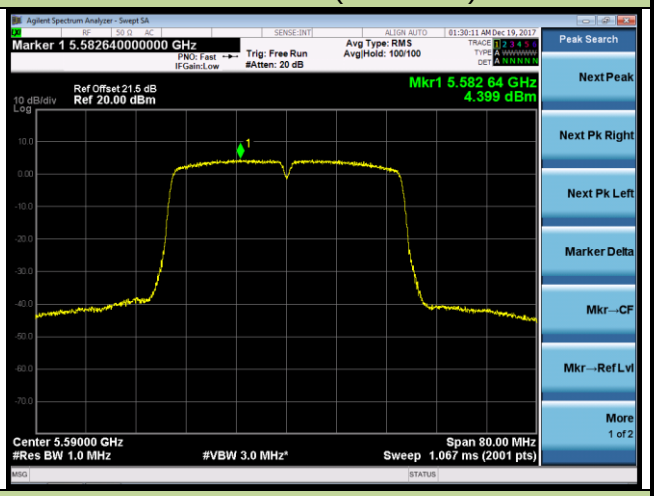
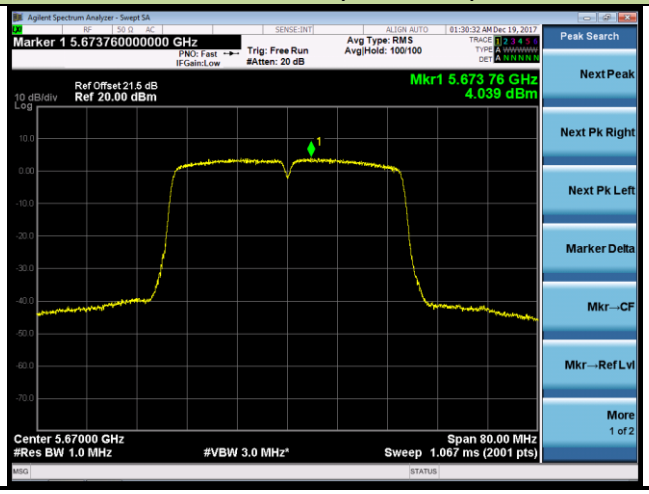
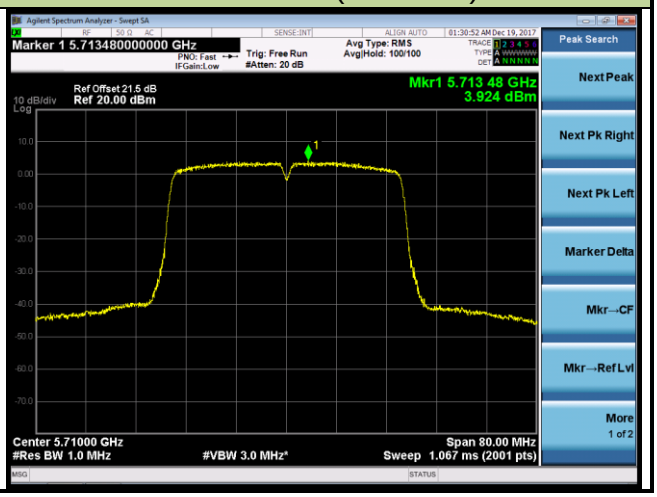
802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	

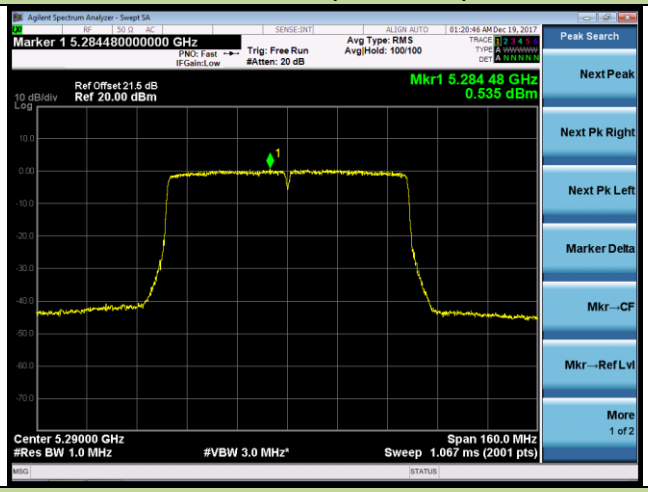
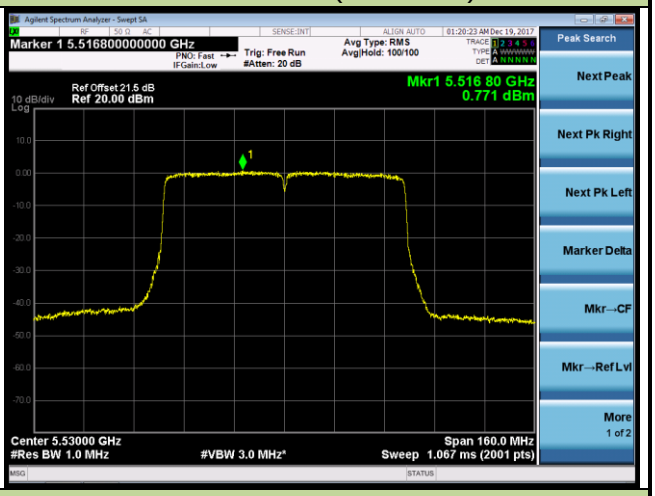
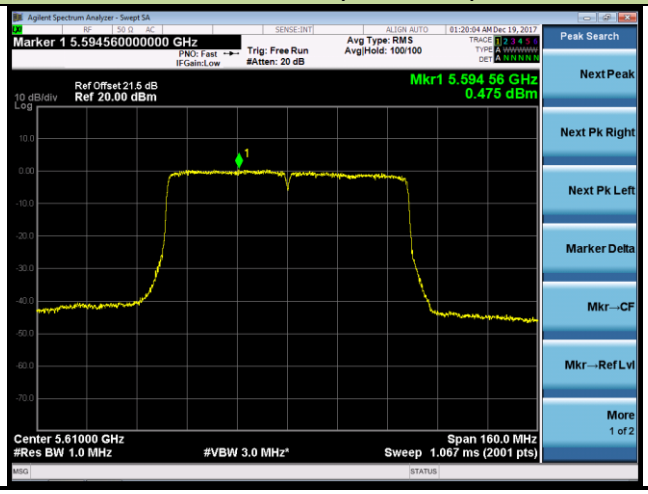
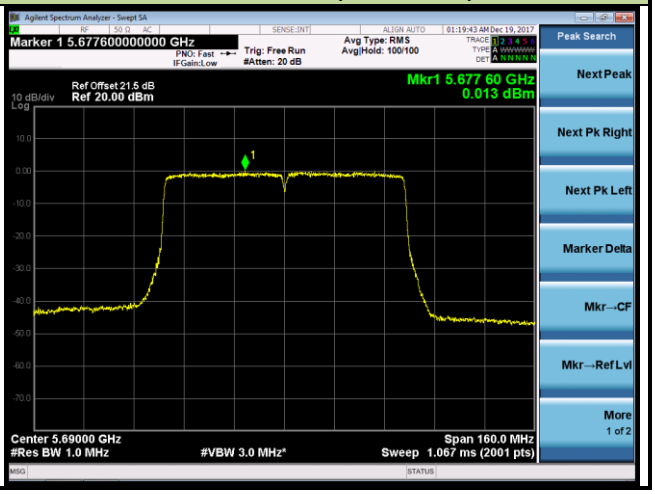
Channel 144 (5720MHz)	
	

802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 52 (5260MHz)	Channel 60 (5300MHz)
	
Channel 64 (5320MHz)	Channel 100 (5500MHz)
	
Channel 120 (5600MHz)	Channel 140 (5700MHz)
	

Channel 144 (5720MHz)	
	

802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 118 (5590MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 58 (5290MHz)	Channel 106 (5530MHz)
	
Channel 122 (5610MHz)	Channel 138 (5690MHz)
	

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:

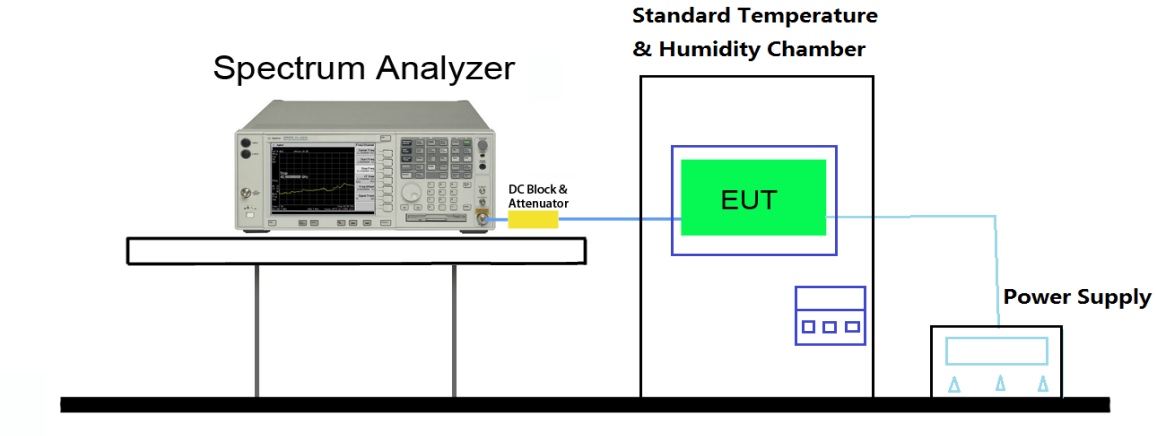
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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

Please refer to MRT test report “1712TW0105-U2” section 7.7.

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

ANSI C63.10 Section 6.3 (General Requirements)

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

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

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

7.8.3.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

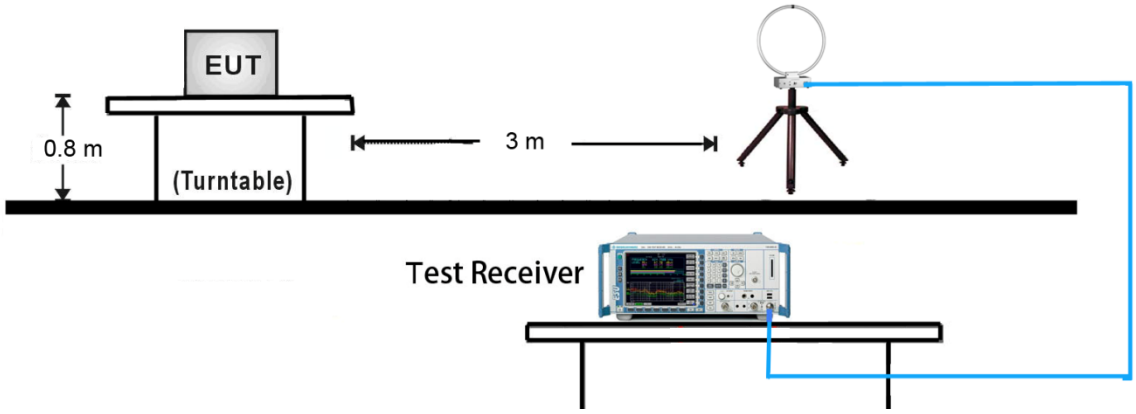
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

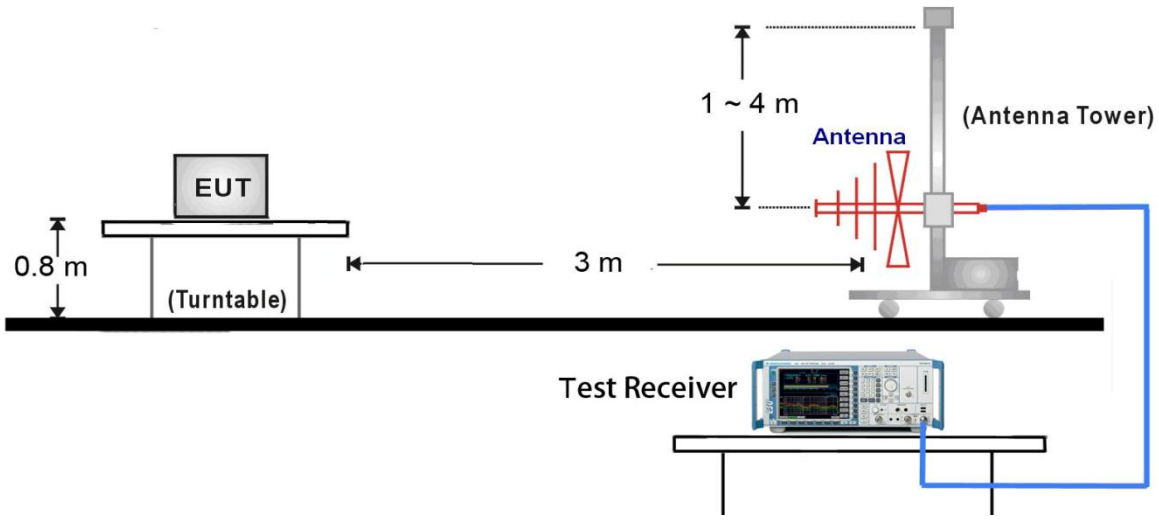
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

7.8.4.Test Setup

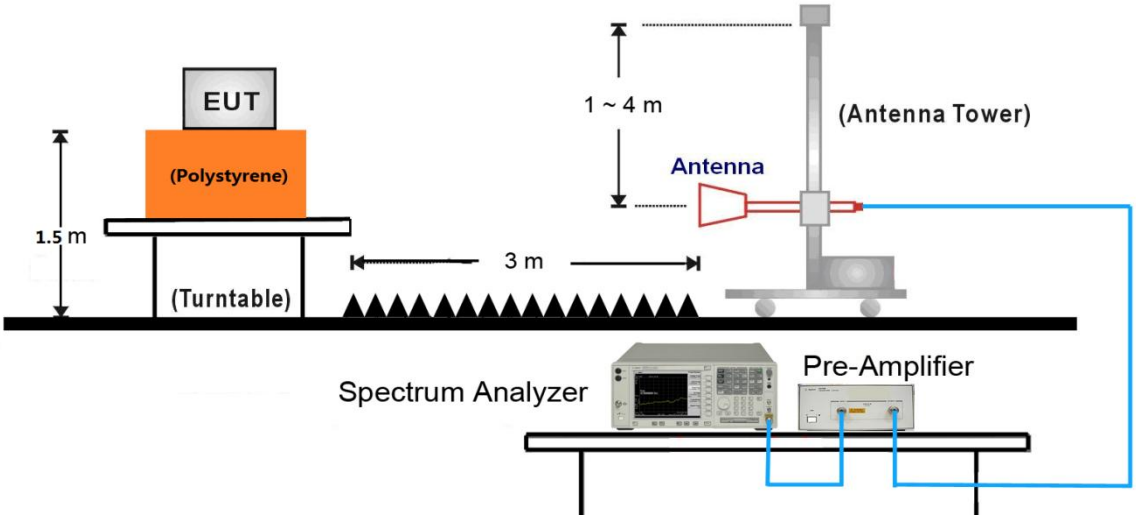
9kHz ~30MHz Test Setup:



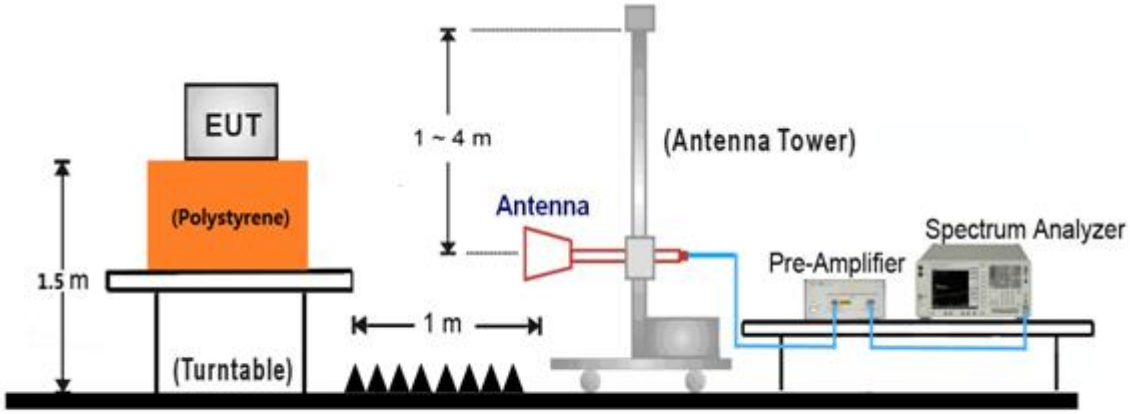
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.8.5.Test Result

Product	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	52
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
*	8769.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
*	10520.0	35.3	17.2	52.5	68.2	-15.7	Peak	Horizontal
	11744.0	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
	15781.5	34.4	20.4	54.8	74.0	-19.2	Peak	Horizontal
	15781.5	22.4	20.4	42.8	54.0	-11.2	Average	Horizontal
*	7927.5	30.9	14.7	45.6	68.2	-22.6	Peak	Vertical
*	10528.5	35.2	18.9	54.1	68.2	-14.1	Peak	Vertical
	12075.5	30.6	20.4	51.0	74.0	-23.0	Peak	Vertical
	15764.5	34.6	21.5	56.1	74.0	-17.9	Peak	Vertical
	15764.5	24.8	21.5	46.3	54.0	-7.7	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	60
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	33.8	12.5	46.3	68.2	-21.9	Peak	Horizontal
*	9610.5	34.5	14.4	48.9	68.2	-19.3	Peak	Horizontal
	10600.0	40.6	17.3	57.9	74.0	-16.1	Peak	Horizontal
	10600.0	29.6	17.3	46.9	54.0	-7.1	Average	Horizontal
	15900.5	35.2	20.4	55.6	74.0	-18.4	Peak	Horizontal
	15900.5	23.3	20.4	43.7	54.0	-10.3	Average	Horizontal
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Vertical
*	9721.0	34.1	14.7	48.8	68.2	-19.4	Peak	Vertical
	10600.0	43.2	17.3	60.5	74.0	-13.5	Peak	Vertical
	10600.0	32.6	17.3	49.9	54.0	-4.1	Average	Vertical
	15900.5	37.2	20.4	57.6	74.0	-16.4	Peak	Vertical
	15900.5	23.6	20.4	44.0	54.0	-10.0	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	64
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
*	8811.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9559.5	33.9	14.4	48.3	68.2	-19.9	Peak	Horizontal
	10640.0	40.2	17.4	57.6	74.0	-16.4	Peak	Horizontal
	10640.0	29.6	17.4	47.0	54.0	-7.0	Average	Horizontal
	12007.5	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
*	7808.5	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	9619.0	35.9	14.4	50.3	68.2	-17.9	Peak	Vertical
	10640.1	44.4	17.4	61.8	74.0	-12.2	Peak	Vertical
	10640.1	33.5	17.4	50.9	54.0	-3.1	Average	Vertical
	11336.0	31.8	19.0	50.8	74.0	-23.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	100
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
*	7808.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	9831.5	31.7	15.9	47.6	68.2	-20.6	Peak	Horizontal
	11336.0	30.5	19.0	49.5	74.0	-24.5	Peak	Horizontal
	12611.0	32.0	18.7	50.7	74.0	-23.3	Peak	Horizontal
*	7859.5	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	9865.5	33.6	16.0	49.6	68.2	-18.6	Peak	Vertical
	11000.0	35.8	18.5	54.3	74.0	-19.7	Peak	Vertical
	11000.0	24.7	18.5	43.2	54.0	-10.8	Average	Vertical
	12058.5	31.4	18.8	50.2	74.0	-23.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	120
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
	7366.5	32.8	13.9	46.7	74.0	-27.3	Peak	Horizontal
	8412.0	31.0	13.9	44.9	74.0	-29.1	Peak	Horizontal
*	9942.0	31.5	17.5	49.0	68.2	-19.2	Peak	Horizontal
*	12781.0	29.9	20.5	50.4	68.2	-17.8	Peak	Horizontal
	8454.5	33.0	13.9	46.9	74.0	-27.1	Peak	Vertical
	11200.0	32.9	20.3	53.2	74.0	-20.8	Peak	Vertical
	11200.0	21.5	20.3	41.8	54.0	-12.2	Average	Vertical
*	12823.5	30.2	20.5	50.7	68.2	-17.5	Peak	Vertical
*	16801.5	38.2	24.9	63.1	68.2	-5.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	140
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
*	9636.0	36.6	14.4	51.0	68.2	-17.2	Peak	Horizontal
*	9967.5	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	10826.0	32.8	18.0	50.8	74.0	-23.2	Peak	Horizontal
	12381.5	34.2	18.4	52.6	74.0	-21.4	Peak	Horizontal
*	8888.0	33.4	14.0	47.4	68.2	-20.8	Peak	Vertical
*	9814.5	32.6	15.4	48.0	68.2	-20.2	Peak	Vertical
	11302.0	30.5	18.9	49.4	74.0	-24.6	Peak	Vertical
	12441.0	31.8	18.4	50.2	74.0	-23.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11a - Ant 0	Test Channel:	144
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
*	8811.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9678.5	34.5	14.6	49.1	68.2	-19.1	Peak	Horizontal
	11440.0	35.4	19.2	54.6	74.0	-19.4	Peak	Horizontal
	11440.0	22.8	19.2	42.0	54.0	-12.0	Average	Horizontal
	11948.0	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
*	8735.0	31.2	13.9	45.1	68.2	-23.1	Peak	Vertical
*	9899.5	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical
	11440.0	35.9	19.2	55.1	74.0	-18.9	Peak	Vertical
	11440.0	25.2	19.2	44.4	54.0	-9.6	Average	Vertical
	12058.5	31.3	18.8	50.1	74.0	-23.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	52
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
*	9746.5	34.6	14.8	49.4	68.2	-18.8	Peak	Horizontal
*	10477.5	33.3	17.1	50.4	68.2	-17.8	Peak	Horizontal
	11276.5	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
	12169.0	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	9763.5	34.0	14.9	48.9	68.2	-19.3	Peak	Vertical
*	10520.0	36.9	17.2	54.1	68.2	-14.1	Peak	Vertical
	12058.5	33.6	18.8	52.4	74.0	-21.6	Peak	Vertical
	15784.2	34.8	20.4	55.2	74.0	-18.8	Peak	Vertical
	15784.2	24.6	20.4	45.0	54.0	-9.0	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	60
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
*	7808.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	9636.0	33.6	14.4	48.0	68.2	-20.2	Peak	Horizontal
	10600.0	39.5	17.3	56.8	74.0	-17.2	Peak	Horizontal
	10600.0	28.3	17.3	45.6	54.0	-8.4	Average	Horizontal
	15900.5	36.1	20.4	56.5	74.0	-17.5	Peak	Horizontal
	15904.7	22.1	20.4	42.5	54.0	-11.5	Average	Horizontal
*	8811.5	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
*	10001.5	35.1	15.4	50.5	68.2	-17.7	Peak	Vertical
	10603.1	44.1	17.3	61.4	74.0	-12.6	Peak	Vertical
	10603.1	31.6	17.3	48.9	54.0	-5.1	Average	Vertical
	12704.5	33.2	18.8	52.0	74.0	-22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	64
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
*	8828.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9848.5	32.9	16.1	49.0	68.2	-19.2	Peak	Horizontal
	10643.4	38.5	17.4	55.9	74.0	-18.1	Peak	Horizontal
	10643.4	28.8	17.4	46.2	54.0	-7.8	Average	Horizontal
	12126.5	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	8862.5	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
*	9772.0	35.2	14.9	50.1	68.2	-18.1	Peak	Vertical
	10639.9	44.0	17.4	61.3	74.0	-12.7	Peak	Vertical
	10639.9	31.6	17.4	49.0	54.0	-5.0	Average	Vertical
	11625.0	33.2	19.4	52.6	74.0	-21.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	100
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
*	9780.5	33.6	14.9	48.5	68.2	-19.7	Peak	Horizontal
*	10222.5	33.1	16.3	49.4	68.2	-18.8	Peak	Horizontal
	11786.5	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
	12305.0	32.7	18.5	51.2	74.0	-22.8	Peak	Horizontal
*	8565.0	32.7	13.3	46.0	68.2	-22.2	Peak	Vertical
*	9993.0	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11000.0	36.3	18.5	54.8	74.0	-19.2	Peak	Vertical
	11000.0	24.7	18.5	43.2	54.0	-10.8	Average	Vertical
	11735.5	32.4	19.0	51.4	74.0	-22.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	120
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
	7468.5	33.1	14.1	47.2	74.0	-26.8	Peak	Horizontal
	8310.0	32.2	13.8	46.0	74.0	-28.0	Peak	Horizontal
*	9848.5	30.4	17.3	47.7	68.2	-20.5	Peak	Horizontal
*	12857.5	31.3	20.8	52.1	68.2	-16.1	Peak	Horizontal
	8429.0	33.0	13.9	46.9	74.0	-27.1	Peak	Vertical
	11198.7	32.8	20.2	53.0	74.0	-21.0	Peak	Vertical
	11198.7	22.0	20.3	42.3	54.0	-11.7	Average	Vertical
*	12781.0	30.1	20.5	50.6	68.2	-17.6	Peak	Vertical
*	16801.5	39.4	24.9	64.3	68.2	-3.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	140
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	14.6	45.7	68.2	-22.5	Peak	Horizontal
*	8735.0	30.8	14.6	45.4	68.2	-22.8	Peak	Horizontal
	11081.0	30.9	20.1	51.0	74.0	-23.0	Peak	Horizontal
	12330.5	29.7	19.9	49.6	74.0	-24.4	Peak	Horizontal
*	8769.0	31.3	13.9	45.2	68.2	-23.0	Peak	Vertical
*	9899.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11327.5	30.7	18.9	49.6	74.0	-24.4	Peak	Vertical
	12330.5	31.1	18.5	49.6	74.0	-24.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/19
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	144
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
*	8769.0	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
*	10350.0	33.1	16.8	49.9	68.2	-18.3	Peak	Horizontal
	10970.5	32.6	18.4	51.0	74.0	-23.0	Peak	Horizontal
	12220.0	32.1	18.7	50.8	74.0	-23.2	Peak	Horizontal
*	9738.0	33.5	14.8	48.3	68.2	-19.9	Peak	Vertical
*	10443.5	31.5	17.1	48.6	68.2	-19.6	Peak	Vertical
	11439.7	35.7	19.2	54.9	74.0	-19.1	Peak	Vertical
	11439.7	24.8	19.2	44.0	54.0	-10.0	Average	Vertical
	12475.0	33.3	18.5	51.8	74.0	-22.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	54
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
*	9772.0	34.2	14.9	49.1	68.2	-19.1	Peak	Horizontal
*	10545.5	33.8	19.0	52.8	68.2	-15.4	Peak	Horizontal
	11276.5	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
	12058.5	32.6	18.8	51.4	74.0	-22.6	Peak	Horizontal
*	9899.5	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical
*	10537.0	37.1	17.2	54.3	68.2	-13.9	Peak	Vertical
	12058.5	31.8	18.8	50.6	74.0	-23.4	Peak	Vertical
	15815.5	33.7	21.6	55.3	74.0	-18.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	62
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
*	8641.5	32.6	13.5	46.1	68.2	-22.1	Peak	Horizontal
*	9678.5	33.5	14.6	48.1	68.2	-20.1	Peak	Horizontal
	10620.0	37.1	17.3	54.4	74.0	-19.6	Peak	Horizontal
	10620.0	24.6	17.3	41.9	54.0	-12.1	Average	Horizontal
	11574.0	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
*	8794.5	31.0	13.9	44.9	68.2	-23.3	Peak	Vertical
*	9814.5	32.3	15.4	47.7	68.2	-20.5	Peak	Vertical
	10620.0	39.0	17.3	56.3	74.0	-17.7	Peak	Vertical
	10620.0	28.3	17.3	45.6	54.0	-8.4	Average	Vertical
	11480.5	32.0	19.3	51.3	74.0	-22.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	102
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
*	8794.5	31.0	13.9	44.9	68.2	-23.3	Peak	Horizontal
*	10171.5	32.6	16.1	48.7	68.2	-19.5	Peak	Horizontal
	11115.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
	12279.5	31.6	18.6	50.2	74.0	-23.8	Peak	Horizontal
*	9687.0	34.2	14.6	48.8	68.2	-19.4	Peak	Vertical
*	10171.5	32.8	16.1	48.9	68.2	-19.3	Peak	Vertical
	11710.0	30.9	19.1	50.0	74.0	-24.0	Peak	Vertical
	12279.5	31.6	18.6	50.2	74.0	-23.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	118
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
	7349.5	32.3	14.0	46.3	74.0	-27.7	Peak	Horizontal
	8327.0	31.3	13.9	45.2	74.0	-28.8	Peak	Horizontal
*	9967.5	30.8	17.3	48.1	68.2	-20.1	Peak	Horizontal
*	12823.5	29.6	20.5	50.1	68.2	-18.1	Peak	Horizontal
	7528.0	34.3	14.5	48.8	74.0	-25.2	Peak	Vertical
	9304.5	30.5	15.8	46.3	74.0	-27.7	Peak	Vertical
*	10537.0	32.5	18.9	51.4	68.2	-16.8	Peak	Vertical
*	16767.5	34.9	24.6	59.5	68.2	-8.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	134
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
*	9967.5	32.7	15.3	48.0	68.2	-20.2	Peak	Horizontal
*	10418.0	32.0	17.0	49.0	68.2	-19.2	Peak	Horizontal
	11846.0	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
	12339.0	30.9	18.5	49.4	74.0	-24.6	Peak	Horizontal
*	9891.0	32.4	15.5	47.9	68.2	-20.3	Peak	Vertical
*	10418.0	32.0	17.0	49.0	68.2	-19.2	Peak	Vertical
	11217.0	31.0	18.8	49.8	74.0	-24.2	Peak	Vertical
	12109.5	32.5	18.9	51.4	74.0	-22.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	142
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
*	10061.0	33.0	15.6	48.6	68.2	-19.6	Peak	Horizontal
*	10443.5	32.3	17.1	49.4	68.2	-18.8	Peak	Horizontal
	12007.5	31.7	18.7	50.4	74.0	-23.6	Peak	Horizontal
	12687.5	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
*	10061.0	33.2	15.6	48.8	68.2	-19.4	Peak	Vertical
*	10520.0	32.0	17.2	49.2	68.2	-19.0	Peak	Vertical
	11429.5	32.9	19.2	52.1	74.0	-21.9	Peak	Vertical
	12594.0	32.4	18.7	51.1	74.0	-22.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	52
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
*	8616.0	33.9	13.5	47.4	68.2	-20.8	Peak	Horizontal
*	9814.5	34.6	15.4	50.0	68.2	-18.2	Peak	Horizontal
	11251.0	33.5	18.8	52.3	74.0	-21.7	Peak	Horizontal
	12041.5	34.1	18.8	52.9	74.0	-21.1	Peak	Horizontal
*	8548.0	34.6	13.2	47.8	68.2	-20.4	Peak	Vertical
*	10528.5	36.4	17.2	53.6	68.2	-14.6	Peak	Vertical
	12084.0	33.0	18.9	51.9	74.0	-22.1	Peak	Vertical
	15781.5	35.7	20.4	56.1	74.0	-17.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	60
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
*	8012.5	35.9	12.5	48.4	68.2	-19.8	Peak	Horizontal
*	9874.0	35.3	15.8	51.1	68.2	-17.1	Peak	Horizontal
	10603.4	38.3	17.3	55.6	74.0	-18.4	Peak	Horizontal
	10603.4	29.5	17.3	46.8	54.0	-7.2	Average	Horizontal
	11531.5	33.6	19.4	53.0	74.0	-21.0	Peak	Horizontal
*	8021.0	35.2	12.5	47.7	68.2	-20.5	Peak	Vertical
*	9508.5	34.3	14.4	48.7	68.2	-19.5	Peak	Vertical
	10603.4	43.7	17.3	61.0	74.0	-13.0	Peak	Vertical
	10603.4	32.8	17.3	50.1	54.0	-3.9	Average	Vertical
	15900.6	34.9	20.4	55.3	74.0	-18.7	Peak	Vertical
	15900.6	24.8	20.4	45.2	54.0	-8.8	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	64
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	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	9610.5	35.2	14.4	49.6	68.2	-18.6	Peak	Horizontal
	10643.5	40.7	17.4	58.1	74.0	-15.9	Peak	Horizontal
	10643.5	28.9	17.4	46.3	54.0	-7.7	Average	Horizontal
	12279.5	33.3	18.6	51.9	74.0	-22.1	Peak	Horizontal
*	8012.5	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
*	9653.0	34.8	14.5	49.3	68.2	-18.9	Peak	Vertical
	10639.6	43.6	17.4	61.0	74.0	-13.0	Peak	Vertical
	10639.6	32.6	17.4	50.0	54.0	-4.0	Average	Vertical
	12109.5	33.2	18.9	52.1	74.0	-21.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	100
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
*	8633.0	33.7	13.5	47.2	68.2	-21.0	Peak	Horizontal
*	9925.0	35.4	15.3	50.7	68.2	-17.5	Peak	Horizontal
	11132.0	33.0	18.6	51.6	74.0	-22.4	Peak	Horizontal
	12228.5	32.1	18.7	50.8	74.0	-23.2	Peak	Horizontal
*	7978.5	35.6	12.5	48.1	68.2	-20.1	Peak	Vertical
*	9534.0	34.9	14.4	49.3	68.2	-18.9	Peak	Vertical
	10997.8	35.8	18.5	54.3	74.0	-19.7	Peak	Vertical
	10997.8	24.7	18.5	43.2	54.0	-10.8	Average	Vertical
	12619.5	33.1	18.7	51.8	74.0	-22.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	120
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
	7400.5	32.3	13.9	46.2	74.0	-27.8	Peak	Horizontal
	8310.0	31.1	13.8	44.9	74.0	-29.1	Peak	Horizontal
*	10078.0	30.6	17.5	48.1	68.2	-20.1	Peak	Horizontal
*	12798.0	30.0	20.6	50.6	68.2	-17.6	Peak	Horizontal
	8386.5	32.2	13.8	46.0	74.0	-28.0	Peak	Vertical
	11199.1	33.4	20.2	53.6	74.0	-20.4	Peak	Vertical
	11199.1	21.7	20.3	42.0	54.0	-12.0	Average	Vertical
*	12738.5	29.5	20.3	49.8	68.2	-18.4	Peak	Vertical
*	16793.0	38.0	24.7	62.7	68.2	-5.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	140
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	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	9746.5	35.2	14.8	50.0	68.2	-18.2	Peak	Horizontal
	10732.5	32.7	17.6	50.3	74	-23.7	Peak	Horizontal
	12126.5	34.2	18.9	53.1	74	-20.9	Peak	Horizontal
*	8633.0	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
*	9882.5	34.4	15.6	50.0	68.2	-18.2	Peak	Vertical
	11625.0	32.9	19.4	52.3	74	-21.7	Peak	Vertical
	15739.0	31.9	20.4	52.3	74	-21.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	144
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
*	8641.5	34.2	13.5	47.7	68.2	-20.5	Peak	Horizontal
*	9925.0	35.2	15.3	50.5	68.2	-17.7	Peak	Horizontal
	11633.5	33.1	19.4	52.5	74.0	-21.5	Peak	Horizontal
	15773.0	31.7	20.4	52.1	74.0	-21.9	Peak	Horizontal
*	8599.0	34.5	13.4	47.9	68.2	-20.3	Peak	Vertical
*	9772.0	35.3	14.9	50.2	68.2	-18.0	Peak	Vertical
	11439.5	34.5	19.2	53.7	74.0	-20.3	Peak	Vertical
	11439.5	24.8	19.2	44.0	54.0	-10.0	Average	Vertical
	15917.5	32.2	20.4	52.6	74.0	-21.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	54
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	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	9619.0	35.9	14.4	50.3	68.2	-17.9	Peak	Horizontal
	10792.0	33.8	17.9	51.7	74.0	-22.3	Peak	Horizontal
	12109.5	33.0	18.9	51.9	74.0	-22.1	Peak	Horizontal
*	8658.5	34.0	13.6	47.6	68.2	-20.6	Peak	Vertical
*	10554.0	35.0	19.0	54.0	68.2	-14.2	Peak	Vertical
	11548.5	34.3	19.4	53.7	74.0	-20.3	Peak	Vertical
	15773.0	31.8	20.4	52.2	74.0	-21.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	62
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	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
*	9602.0	35.7	14.4	50.1	68.2	-18.1	Peak	Horizontal
	10620.0	35.9	17.3	53.2	74.0	-20.8	Peak	Horizontal
	10620.0	25.0	17.3	42.3	54.0	-11.7	Average	Horizontal
	12143.5	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	7978.5	36.0	12.5	48.5	68.2	-19.7	Peak	Vertical
*	9627.5	35.5	14.4	49.9	68.2	-18.3	Peak	Vertical
	10620.0	39.8	17.3	57.1	74.0	-16.9	Peak	Vertical
	10620.0	28.8	17.3	46.1	54.0	-7.9	Average	Vertical
	12152.0	33.5	18.9	52.4	74.0	-21.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	102
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	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
*	9857.0	34.2	16.2	50.4	68.2	-17.8	Peak	Horizontal
	11472.0	33.2	19.3	52.5	74.0	-21.5	Peak	Horizontal
	15560.5	32.1	20.6	52.7	74.0	-21.3	Peak	Horizontal
*	7800.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8684.0	34.4	13.7	48.1	68.2	-20.1	Peak	Vertical
	10885.5	34.4	18.3	52.7	74.0	-21.3	Peak	Vertical
	12602.5	34.2	18.7	52.9	74.0	-21.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	118
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
	7536.5	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	8310.0	32.4	13.8	46.2	74.0	-27.8	Peak	Horizontal
*	9823.0	30.7	17.1	47.8	68.2	-20.4	Peak	Horizontal
*	12721.5	30.3	20.4	50.7	68.2	-17.5	Peak	Horizontal
	7332.5	31.6	13.9	45.5	74.0	-28.5	Peak	Vertical
	8429.0	30.9	13.9	44.8	74.0	-29.2	Peak	Vertical
*	10069.5	30.9	17.5	48.4	68.2	-19.8	Peak	Vertical
*	12764.0	29.7	20.4	50.1	68.2	-18.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	134
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	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	9780.5	35.2	14.9	50.1	68.2	-18.1	Peak	Horizontal
	11523.0	32.9	19.4	52.3	74.0	-21.7	Peak	Horizontal
	13308.0	30.7	20.9	51.6	74.0	-22.4	Peak	Horizontal
*	8616.0	34.9	13.5	48.4	68.2	-19.8	Peak	Vertical
*	9780.5	34.8	14.9	49.7	68.2	-18.5	Peak	Vertical
	11072.5	32.9	18.6	51.5	74.0	-22.5	Peak	Vertical
	13393.0	31.5	21.4	52.9	74.0	-21.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	142
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
*	7808.5	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
*	9602.0	35.3	14.4	49.7	68.2	-18.5	Peak	Horizontal
	11574.0	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
	16155.5	31.6	20.6	52.2	74.0	-21.8	Peak	Horizontal
*	7961.5	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
*	9848.5	34.3	16.1	50.4	68.2	-17.8	Peak	Vertical
	11497.5	33.2	19.3	52.5	74.0	-21.5	Peak	Vertical
	13325.0	30.7	21.0	51.7	74.0	-22.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	58
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	35.0	12.5	47.5	68.2	-20.7	Peak	Horizontal
*	9857.0	34.4	16.2	50.6	68.2	-17.6	Peak	Horizontal
	11591.0	33.3	19.5	52.8	74.0	-21.2	Peak	Horizontal
	13359.0	32.2	21.2	53.4	74.0	-20.6	Peak	Horizontal
*	8633.0	33.9	13.5	47.4	68.2	-20.8	Peak	Vertical
*	9687.0	35.9	14.6	50.5	68.2	-17.7	Peak	Vertical
	10613.5	36.5	17.3	53.8	74.0	-20.2	Peak	Vertical
	12245.5	33.9	18.7	52.6	74.0	-21.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	106
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
*	8573.5	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
*	9712.5	35.4	14.7	50.1	68.2	-18.1	Peak	Horizontal
	10868.5	34.0	18.2	52.2	74.0	-21.8	Peak	Horizontal
	12143.5	33.6	18.9	52.5	74.0	-21.5	Peak	Horizontal
*	8786.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
*	9687.0	35.7	14.6	50.3	68.2	-17.9	Peak	Vertical
	11659.0	33.6	19.3	52.9	74.0	-21.1	Peak	Vertical
	15917.5	32.4	20.4	52.8	74.0	-21.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	122
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
	7545.0	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	8310.0	31.8	13.8	45.6	74.0	-28.4	Peak	Horizontal
*	9721.0	31.5	16.4	47.9	68.2	-20.3	Peak	Horizontal
*	12806.5	31.2	20.5	51.7	68.2	-16.5	Peak	Horizontal
	7434.5	32.7	14.3	47.0	74.0	-27.0	Peak	Vertical
	8310.0	32.4	13.8	46.2	74.0	-27.8	Peak	Vertical
*	9899.5	31.3	17.3	48.6	68.2	-19.6	Peak	Vertical
*	12730.0	30.4	20.3	50.7	68.2	-17.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	138
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	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	9763.5	35.1	14.9	50.0	68.2	-18.2	Peak	Horizontal
	11208.5	33.9	18.8	52.7	74.0	-21.3	Peak	Horizontal
	12500.5	33.4	18.5	51.9	74.0	-22.1	Peak	Horizontal
*	7893.5	35.7	12.4	48.1	68.2	-20.1	Peak	Vertical
*	9797.5	34.3	15.1	49.4	68.2	-18.8	Peak	Vertical
	10894.0	33.8	18.3	52.1	74.0	-21.9	Peak	Vertical
	12509.0	33.5	18.5	52.0	74.0	-22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	52
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
*	8616.0	33.9	13.5	47.4	68.2	-20.8	Peak	Horizontal
*	9772.0	36.4	14.9	51.3	68.2	-16.9	Peak	Horizontal
	11650.5	33.3	19.3	52.6	74.0	-21.4	Peak	Horizontal
	15713.5	32.7	20.5	53.2	74.0	-20.8	Peak	Horizontal
*	8556.5	34.3	13.2	47.5	68.2	-20.7	Peak	Vertical
*	10511.5	37.7	17.2	54.9	68.2	-13.3	Peak	Vertical
	11506.0	34.7	19.4	54.1	74.0	-19.9	Peak	Vertical
	15780.0	35.4	20.4	55.8	74.0	-18.2	Peak	Vertical
	15780.0	23.1	20.4	43.5	54.0	-10.5	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	60
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	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	8624.5	33.9	13.5	47.4	68.2	-20.8	Peak	Horizontal
	10600.0	36.9	17.3	54.2	74.0	-19.8	Peak	Horizontal
	10600.0	26.2	17.3	43.5	54.0	-10.5	Average	Horizontal
	12126.5	33.8	18.9	52.7	74.0	-21.3	Peak	Horizontal
*	8607.5	33.8	13.5	47.3	68.2	-20.9	Peak	Vertical
*	9542.5	35.1	14.4	49.5	68.2	-18.7	Peak	Vertical
	10600.0	42.1	17.3	59.4	74.0	-14.6	Peak	Vertical
	10600.0	32.8	17.3	50.1	54.0	-3.9	Average	Vertical
	15901.5	35.5	20.4	55.9	74.0	-18.1	Peak	Vertical
	15901.5	25.1	20.4	45.5	54.0	-8.5	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	64
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	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	9763.5	35.9	14.9	50.8	68.2	-17.4	Peak	Horizontal
	10640.0	38.4	17.4	55.8	74.0	-18.2	Peak	Horizontal
	10640.0	27.0	17.4	44.4	54.0	-9.6	Average	Horizontal
	12058.5	33.9	18.8	52.7	74.0	-21.3	Peak	Horizontal
*	8871.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	9644.5	35.3	14.4	49.7	68.2	-18.5	Peak	Vertical
	10640.0	43.0	17.4	60.4	74.0	-13.6	Peak	Vertical
	10640.0	29.3	17.4	46.7	54.0	-7.3	Average	Vertical
	12007.5	33.3	18.7	52.0	74.0	-22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	100
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
*	7791.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	9585.0	35.2	14.4	49.6	68.2	-18.6	Peak	Horizontal
	10851.5	34.5	18.1	52.6	74.0	-21.4	Peak	Horizontal
	12084.0	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	7808.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	9202.5	34.2	14.8	49.0	68.2	-19.2	Peak	Vertical
	11000.0	38.4	18.5	56.9	74.0	-17.1	Peak	Vertical
	11000.0	26.0	18.5	44.5	54.0	-9.5	Average	Vertical
	12602.5	33.2	18.7	51.9	74.0	-22.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	120
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
	7536.5	33.4	14.4	47.8	74.0	-26.2	Peak	Horizontal
	8386.5	32.7	13.8	46.5	74.0	-27.5	Peak	Horizontal
*	9899.5	30.8	17.3	48.1	68.2	-20.1	Peak	Horizontal
*	12840.5	30.6	20.6	51.2	68.2	-17.0	Peak	Horizontal
	7366.5	32.5	13.9	46.4	74.0	-27.6	Peak	Horizontal
	8131.5	33.5	14.5	48.0	74.0	-26.0	Peak	Vertical
*	9984.5	32.5	17.4	49.9	68.2	-18.3	Peak	Vertical
*	12840.5	30.6	20.6	51.2	68.2	-17.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	140
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
*	8718.0	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
*	9772.0	35.0	14.9	49.9	68.2	-18.3	Peak	Horizontal
	10953.5	33.9	18.4	52.3	74.0	-21.7	Peak	Horizontal
	12220.0	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
*	8599.0	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Vertical
	10911.0	33.5	18.4	51.9	74.0	-22.1	Peak	Vertical
	12509.0	34.3	18.5	52.8	74.0	-21.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/20
Test Mode:	802.11a - Ant 1	Test Channel:	144
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	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	9746.5	36.1	14.8	50.9	68.2	-17.3	Peak	Horizontal
	10962.0	34.4	18.4	52.8	74.0	-21.2	Peak	Horizontal
	12220.0	32.6	18.7	51.3	74.0	-22.7	Peak	Horizontal
*	7851.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	9661.5	35.6	14.5	50.1	68.2	-18.1	Peak	Vertical
	10936.5	33.6	18.4	52.0	74.0	-22.0	Peak	Vertical
	12245.5	33.3	18.7	52.0	74.0	-22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	52
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	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	9746.5	34.7	14.8	49.5	68.2	-18.7	Peak	Horizontal
	10860.0	34.3	18.2	52.5	74.0	-21.5	Peak	Horizontal
	12339.0	33.7	18.5	52.2	74.0	-21.8	Peak	Horizontal
*	7842.5	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	10520.0	37.5	17.2	54.7	68.2	-13.5	Peak	Vertical
	12160.5	33.7	18.9	52.6	74.0	-21.4	Peak	Vertical
	15824.0	31.5	20.4	51.9	74.0	-22.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	60
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
*	8590.5	34.6	13.4	48.0	68.2	-20.2	Peak	Horizontal
*	9746.5	34.5	14.8	49.3	68.2	-18.9	Peak	Horizontal
	10603.3	38.5	17.3	55.8	74.0	-18.2	Peak	Horizontal
	10603.3	25.5	17.3	42.8	54.0	-11.2	Average	Horizontal
	12483.5	34.8	18.5	53.3	74.0	-20.7	Peak	Horizontal
*	7978.5	35.8	12.5	48.3	68.2	-19.9	Peak	Vertical
*	9746.5	34.8	14.8	49.6	68.2	-18.6	Peak	Vertical
	10600.0	42.0	17.3	59.3	74.0	-14.7	Peak	Vertical
	10600.0	31.7	17.3	49.0	54.0	-5.0	Average	Vertical
	11659.0	33.9	19.3	53.2	74.0	-20.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	64
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	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	9619.0	34.0	14.4	48.4	68.2	-19.8	Peak	Horizontal
	10639.9	38.2	17.4	55.6	74.0	-18.4	Peak	Horizontal
	10639.9	26.6	17.4	44.0	54.0	-10.0	Average	Horizontal
	12245.5	34.0	18.7	52.7	74.0	-21.3	Peak	Horizontal
*	7885.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	9755.0	35.0	14.8	49.8	68.2	-18.4	Peak	Vertical
	10640.0	43.6	17.4	61.0	74.0	-13.0	Peak	Vertical
	10640.0	32.5	17.4	49.9	54.0	-4.1	Average	Vertical
	11625.0	33.6	19.4	53.0	74.0	-21.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	100
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	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	9738.0	33.0	14.8	47.8	68.2	-20.4	Peak	Horizontal
	11531.5	31.4	19.4	50.8	74.0	-23.2	Peak	Horizontal
	13308.0	29.2	20.9	50.1	74.0	-23.9	Peak	Horizontal
*	7604.5	33.6	12.7	46.3	68.2	-21.9	Peak	Vertical
*	9695.5	33.4	14.6	48.0	68.2	-20.2	Peak	Vertical
	10999.9	34.6	18.5	53.1	74.0	-20.9	Peak	Vertical
	10999.9	25.2	18.5	43.7	54.0	-10.3	Average	Vertical
	12186.0	30.4	18.8	49.2	74.0	-24.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	120
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
	7468.5	33.6	14.1	47.7	74.0	-26.3	Peak	Horizontal
	8276.0	31.3	14.0	45.3	74.0	-28.7	Peak	Horizontal
*	9840.0	30.5	17.3	47.8	68.2	-20.4	Peak	Horizontal
*	12891.5	29.6	21.1	50.7	68.2	-17.5	Peak	Horizontal
	8429.0	31.3	13.9	45.2	74.0	-28.8	Peak	Vertical
	11199.7	33.2	20.3	53.5	74.0	-20.5	Peak	Vertical
	11199.7	22.3	20.3	42.6	54.0	-11.4	Average	Vertical
*	12840.5	30.5	20.6	51.1	68.2	-17.1	Peak	Vertical
*	13622.5	29.9	23.2	53.1	68.2	-15.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	140
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	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	9763.5	35.3	14.9	50.2	68.2	-18.0	Peak	Horizontal
	11446.5	33.5	19.2	52.7	74.0	-21.3	Peak	Horizontal
	12466.5	33.0	18.5	51.5	74.0	-22.5	Peak	Horizontal
*	7783.0	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	9636.0	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical
	11412.5	33.7	19.1	52.8	74.0	-21.2	Peak	Vertical
	12475.0	34.9	18.5	53.4	74.0	-20.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	144
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
*	7808.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	9636.0	35.6	14.4	50.0	68.2	-18.2	Peak	Horizontal
	10834.5	34.3	18.1	52.4	74.0	-21.6	Peak	Horizontal
	11591.0	34.2	19.5	53.7	74.0	-20.3	Peak	Horizontal
*	7808.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	9636.0	35.6	14.4	50.0	68.2	-18.2	Peak	Vertical
	10834.5	34.3	18.1	52.4	74.0	-21.6	Peak	Vertical
	11591.0	34.2	19.5	53.7	74.0	-20.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	54
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
*	8658.5	31.8	13.6	45.4	68.2	-22.8	Peak	Horizontal
*	9814.5	33.1	15.4	48.5	68.2	-19.7	Peak	Horizontal
	10783.5	34.2	17.8	52.0	74.0	-22.0	Peak	Horizontal
	12101.0	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	8726.5	31.5	13.8	45.3	68.2	-22.9	Peak	Vertical
*	10537.0	37.3	17.2	54.5	68.2	-13.7	Peak	Vertical
	12007.5	33.7	18.7	52.4	74.0	-21.6	Peak	Vertical
	16019.5	31.7	20.4	52.1	74.0	-21.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	62
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
*	8803.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9763.5	34.5	14.9	49.4	68.2	-18.8	Peak	Horizontal
	10622.0	35.6	17.3	52.9	74.0	-21.1	Peak	Horizontal
	12449.5	33.0	18.4	51.4	74.0	-22.6	Peak	Horizontal
*	7766.0	34.0	12.4	46.4	68.2	-21.8	Peak	Vertical
*	9619.0	34.4	14.4	48.8	68.2	-19.4	Peak	Vertical
	10620.0	37.6	17.3	54.9	74.0	-19.1	Peak	Vertical
	10620.0	25.3	17.3	42.6	54.0	-11.4	Average	Vertical
	12271.0	32.4	18.6	51.0	74.0	-23.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	102
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
*	7783.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	9636.0	34.5	14.4	48.9	68.2	-19.3	Peak	Horizontal
	10809.0	34.6	17.9	52.5	74.0	-21.5	Peak	Horizontal
	12152.0	33.8	18.9	52.7	74.0	-21.3	Peak	Horizontal
*	7774.5	33.2	12.4	45.6	68.2	-22.6	Peak	Vertical
*	9576.5	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical
	10783.5	33.8	17.8	51.6	74.0	-22.4	Peak	Vertical
	12364.5	33.1	18.4	51.5	74.0	-22.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	118
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
	7358.0	33.1	14.0	47.1	74.0	-26.9	Peak	Horizontal
	8386.5	32.6	13.8	46.4	74.0	-27.6	Peak	Horizontal
*	9814.5	31.3	17.0	48.3	68.2	-19.9	Peak	Horizontal
*	12806.5	31.7	20.5	52.2	68.2	-16.0	Peak	Horizontal
	7494.0	32.9	14.0	46.9	74.0	-27.1	Peak	Vertical
	8344.0	32.3	13.9	46.2	74.0	-27.8	Peak	Vertical
*	9899.5	31.1	17.3	48.4	68.2	-19.8	Peak	Vertical
*	12806.5	31.7	20.5	52.2	68.2	-16.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	134
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	35.8	12.4	48.2	68.2	-20.0	Peak	Horizontal
*	9602.0	34.7	14.4	49.1	68.2	-19.1	Peak	Horizontal
	11565.5	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
	13376.0	31.8	21.3	53.1	74.0	-20.9	Peak	Horizontal
*	7766.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	9593.5	34.7	14.4	49.1	68.2	-19.1	Peak	Vertical
	10987.5	34.0	18.5	52.5	74.0	-21.5	Peak	Vertical
	12602.5	33.6	18.7	52.3	74.0	-21.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	142
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
*	7774.5	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	9627.5	35.1	14.4	49.5	68.2	-18.7	Peak	Horizontal
	11421.0	34.0	19.1	53.1	74.0	-20.9	Peak	Horizontal
	15705.0	32.9	20.5	53.4	74.0	-20.6	Peak	Horizontal
*	7783.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	9593.5	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical
	11047.0	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	12602.5	33.8	18.7	52.5	74.0	-21.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	52
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
*	8004.0	35.6	12.5	48.1	68.2	-20.1	Peak	Horizontal
*	9797.5	35.0	15.1	50.1	68.2	-18.1	Peak	Horizontal
	11489.0	33.5	19.3	52.8	74.0	-21.2	Peak	Horizontal
	15560.5	31.7	20.6	52.3	74.0	-21.7	Peak	Horizontal
*	7808.5	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	10520.0	38.8	17.2	56.0	68.2	-12.2	Peak	Vertical
	11965.0	34.2	18.6	52.8	74.0	-21.2	Peak	Vertical
	16028.0	31.8	20.4	52.2	74.0	-21.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	60
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
*	8743.5	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
*	10596.5	36.7	17.3	54.0	68.2	-14.2	Peak	Horizontal
	11650.5	33.3	19.3	52.6	74.0	-21.4	Peak	Horizontal
	15781.5	32.3	20.4	52.7	74.0	-21.3	Peak	Horizontal
*	7842.5	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	10596.5	41.9	17.3	59.2	68.2	-9.0	Peak	Vertical
	11582.5	33.5	19.5	53.0	74.0	-21.0	Peak	Vertical
	15679.5	31.6	20.4	52.0	74.0	-22.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	64
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
*	7094.5	38.1	11.4	49.5	68.2	-18.7	Peak	Horizontal
*	8616.0	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
	10639.4	38.4	17.3	55.7	74.0	-18.3	Peak	Horizontal
	10639.4	26.2	17.4	43.6	54.0	-10.4	Average	Horizontal
	13367.5	31.3	21.2	52.5	74.0	-21.5	Peak	Horizontal
*	7859.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8794.5	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
	10639.7	42.8	17.4	60.2	74.0	-13.8	Peak	Vertical
	10639.7	28.7	17.4	46.1	54.0	-7.9	Average	Vertical
	12611.0	33.6	18.7	52.3	74.0	-21.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	100
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	35.6	12.5	48.1	68.2	-20.1	Peak	Horizontal
*	9619.0	35.2	14.4	49.6	68.2	-18.6	Peak	Horizontal
	11429.5	33.1	19.2	52.3	74.0	-21.7	Peak	Horizontal
	15713.5	32.0	20.5	52.5	74.0	-21.5	Peak	Horizontal
*	8786.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	9763.5	34.8	14.9	49.7	68.2	-18.5	Peak	Vertical
	10996.0	37.5	18.5	56.0	74.0	-18.0	Peak	Vertical
	11000.0	24.5	18.5	43.0	54.0	-11.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	120
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
	7494.0	32.9	14.0	46.9	74.0	-27.1	Peak	Horizontal
	8497.0	30.9	14.2	45.1	74.0	-28.9	Peak	Horizontal
*	10069.5	30.8	17.5	48.3	68.2	-19.9	Peak	Horizontal
*	12985.0	29.8	21.5	51.3	68.2	-16.9	Peak	Horizontal
	8242.0	32.0	14.2	46.2	74.0	-27.8	Peak	Vertical
	11191.5	33.1	20.4	53.5	74.0	-20.5	Peak	Vertical
*	12840.5	30.7	20.6	51.3	68.2	-16.9	Peak	Vertical
*	13546.0	30.0	23.2	53.2	68.2	-15.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	140
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
*	8879.5	33.7	14.0	47.7	68.2	-20.5	Peak	Horizontal
*	9619.0	35.7	14.4	50.1	68.2	-18.1	Peak	Horizontal
	10885.5	34.1	18.3	52.4	74.0	-21.6	Peak	Horizontal
	11523.0	33.6	19.4	53.0	74.0	-21.0	Peak	Horizontal
*	8794.5	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
*	9857.0	32.4	16.2	48.6	68.2	-19.6	Peak	Vertical
	10894.0	34.6	18.3	52.9	74.0	-21.1	Peak	Vertical
	11387.0	33.6	19.1	52.7	74.0	-21.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/21
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	144
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
*	8624.5	33.2	13.5	46.7	68.2	-21.5	Peak	Horizontal
*	9831.5	33.6	15.9	49.5	68.2	-18.7	Peak	Horizontal
	11115.0	33.4	18.6	52.0	74.0	-22.0	Peak	Horizontal
	11574.0	33.6	19.5	53.1	74.0	-20.9	Peak	Horizontal
*	8616.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	9865.5	33.6	16.0	49.6	68.2	-18.6	Peak	Vertical
	10894.0	34.3	18.3	52.6	74.0	-21.4	Peak	Vertical
	11633.5	34.3	19.4	53.7	74.0	-20.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	54
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
*	8794.5	32.2	13.9	46.1	68.2	-22.1	Peak	Horizontal
*	9857.0	33.3	16.2	49.5	68.2	-18.7	Peak	Horizontal
	10885.5	33.4	18.3	51.7	74.0	-22.3	Peak	Horizontal
	11497.5	32.7	19.3	52.0	74.0	-22.0	Peak	Horizontal
*	8616.0	32.8	13.5	46.3	68.2	-21.9	Peak	Vertical
*	9721.0	34.8	14.7	49.5	68.2	-18.7	Peak	Vertical
	10537.0	35.0	18.9	53.9	74.0	-20.1	Peak	Vertical
	11633.5	33.3	19.4	52.7	74.0	-21.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	62
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
*	8692.5	32.3	13.7	46.0	68.2	-22.2	Peak	Horizontal
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	10639.0	35.4	17.4	52.8	74.0	-21.2	Peak	Horizontal
	11480.5	32.9	19.3	52.2	74.0	-21.8	Peak	Horizontal
*	8624.5	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
*	9602.0	34.9	14.4	49.3	68.2	-18.9	Peak	Vertical
	10630.5	39.9	17.3	57.2	74.0	-16.8	Peak	Vertical
	11630.0	32.9	19.5	52.4	74.0	-21.6	Peak	Vertical
	11630.0	29.6	19.4	49.0	54.0	-5.0	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	102
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
*	8616.0	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	11132.0	33.9	18.6	52.5	74.0	-21.5	Peak	Horizontal
	11871.5	32.3	18.7	51.0	74.0	-23.0	Peak	Horizontal
*	8667.0	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
*	9772.0	34.9	14.9	49.8	68.2	-18.4	Peak	Vertical
	11251.0	33.5	18.8	52.3	74.0	-21.7	Peak	Vertical
	11990.5	33.4	18.7	52.1	74.0	-21.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	118
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
	8301.5	32.7	13.8	46.5	74.0	-27.5	Peak	Horizontal
	11616.5	33.0	20.8	53.8	74.0	-20.2	Peak	Horizontal
*	12840.5	29.6	20.6	50.2	68.2	-18.0	Peak	Horizontal
*	13427.0	29.5	23.0	52.5	68.2	-15.7	Peak	Horizontal
	7502.5	33.1	14.2	47.3	74.0	-26.7	Peak	Vertical
	8361.0	31.9	13.8	45.7	74.0	-28.3	Peak	Vertical
*	9925.0	30.8	17.5	48.3	68.2	-19.9	Peak	Vertical
*	12721.5	30.5	20.4	50.9	68.2	-17.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	134
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
*	8786.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Horizontal
	10792.0	34.2	17.9	52.1	74.0	-21.9	Peak	Horizontal
	11659.0	33.4	19.3	52.7	74.0	-21.3	Peak	Horizontal
*	8616.0	33.8	13.5	47.3	68.2	-20.9	Peak	Vertical
*	9661.5	35.8	14.5	50.3	68.2	-17.9	Peak	Vertical
	10902.5	34.0	18.3	52.3	74.0	-21.7	Peak	Vertical
	11582.5	32.9	19.5	52.4	74.0	-21.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	142
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
*	8786.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	9772.0	34.2	14.9	49.1	68.2	-19.1	Peak	Horizontal
	10868.5	33.5	18.2	51.7	74.0	-22.3	Peak	Horizontal
	11591.0	34.2	19.5	53.7	74.0	-20.3	Peak	Horizontal
*	8786.0	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
*	9772.0	34.2	14.9	49.1	68.2	-19.1	Peak	Vertical
	10868.5	33.5	18.2	51.7	74.0	-22.3	Peak	Vertical
	11591.0	34.2	19.5	53.7	74.0	-20.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	58
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
*	8786.0	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
*	9857.0	33.2	16.2	49.4	68.2	-18.8	Peak	Horizontal
	11472.0	33.2	19.3	52.5	74.0	-21.5	Peak	Horizontal
	12092.5	34.1	18.9	53.0	74.0	-21.0	Peak	Horizontal
*	8837.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
*	9738.0	35.6	14.8	50.4	68.2	-17.8	Peak	Vertical
	11166.0	33.8	18.7	52.5	74.0	-21.5	Peak	Vertical
	12109.5	34.0	18.9	52.9	74.0	-21.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	106
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
*	8692.5	31.7	13.7	45.4	68.2	-22.8	Peak	Horizontal
*	9857.0	32.3	16.2	48.5	68.2	-19.7	Peak	Horizontal
	11047.0	33.2	18.5	51.7	74.0	-22.3	Peak	Horizontal
	12067.0	33.3	18.8	52.1	74.0	-21.9	Peak	Horizontal
*	8786.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9772.0	34.6	14.9	49.5	68.2	-18.7	Peak	Vertical
	10945.0	33.7	18.4	52.1	74.0	-21.9	Peak	Vertical
	11633.5	32.9	19.4	52.3	74.0	-21.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	122
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
	7519.5	32.6	14.4	47.0	74.0	-27.0	Peak	Horizontal
	8276.0	31.5	14.0	45.5	74.0	-28.5	Peak	Horizontal
*	10163.0	30.2	17.8	48.0	68.2	-20.2	Peak	Horizontal
*	12832.0	29.5	20.5	50.0	68.2	-18.2	Peak	Horizontal
	7400.5	32.1	13.9	46.0	74.0	-28.0	Peak	Vertical
	8318.5	32.1	13.9	46.0	74.0	-28.0	Peak	Vertical
*	10069.5	30.8	17.5	48.3	68.2	-19.9	Peak	Vertical
*	12832.0	29.5	20.5	50.0	68.2	-18.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/13
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	138
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
*	8820.0	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
*	9746.5	34.8	14.8	49.6	68.2	-18.6	Peak	Horizontal
	11038.5	33.6	18.5	52.1	74.0	-21.9	Peak	Horizontal
	11999.0	34.0	18.7	52.7	74.0	-21.3	Peak	Horizontal
*	8667.0	33.0	13.6	46.6	68.2	-21.6	Peak	Vertical
*	9704.0	34.8	14.6	49.4	68.2	-18.8	Peak	Vertical
	10894.0	34.2	18.3	52.5	74.0	-21.5	Peak	Vertical
	11659.0	33.1	19.3	52.4	74.0	-21.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	52
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
*	8624.5	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
*	9508.5	33.7	14.4	48.1	68.2	-20.1	Peak	Horizontal
	11081.0	33.4	18.6	52.0	74.0	-22.0	Peak	Horizontal
	12007.5	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
*	9729.5	34.9	14.7	49.6	68.2	-18.6	Peak	Vertical
*	10528.5	42.1	17.2	59.3	68.2	-8.9	Peak	Vertical
	13291.0	32.1	20.8	52.9	74.0	-21.1	Peak	Vertical
	15775.3	38.6	20.4	59.0	74.0	-15.0	Peak	Vertical
	15775.3	24.8	20.4	45.2	54.0	-8.8	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	60
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	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	10596.5	40.2	17.3	57.5	68.2	-10.7	Peak	Horizontal
	12109.5	32.5	18.9	51.4	74.0	-22.6	Peak	Horizontal
	15894.2	37.5	20.4	57.9	74.0	-16.1	Peak	Horizontal
	15894.2	23.5	20.4	43.9	54.0	-10.1	Average	Horizontal
*	7086.0	34.9	11.3	46.2	68.2	-22.0	Peak	Vertical
*	10596.5	46.9	17.3	64.2	68.2	-4.0	Peak	Vertical
	12509.0	32.7	18.5	51.2	74.0	-22.8	Peak	Vertical
	15908.2	36.8	20.4	57.2	74.0	-16.8	Peak	Vertical
	15908.2	24.0	20.4	44.4	54.0	-9.6	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	64
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
*	7094.5	37.5	11.4	48.9	68.2	-19.3	Peak	Horizontal
*	8539.5	33.3	13.1	46.4	68.2	-21.8	Peak	Horizontal
	10638.2	38.3	17.3	55.6	74.0	-18.4	Peak	Horizontal
	10638.2	24.7	19.0	43.7	54.0	-10.3	Average	Horizontal
	12339.0	32.2	18.5	50.7	74.0	-23.3	Peak	Horizontal
*	7094.5	36.6	11.4	48.0	68.2	-20.2	Peak	Vertical
*	8862.5	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
	10639.5	48.9	17.4	66.3	74.0	-7.7	Peak	Vertical
	10639.5	31.7	17.4	49.1	54.0	-4.9	Average	Vertical
	12058.5	33.8	18.8	52.6	74.0	-21.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	100
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
*	7290.0	35.4	12.3	47.7	68.2	-20.5	Peak	Horizontal
*	8021.0	33.9	12.5	46.4	68.2	-21.8	Peak	Horizontal
	10656.0	33.1	17.4	50.5	74.0	-23.5	Peak	Horizontal
	12271.0	32.5	18.6	51.1	74.0	-22.9	Peak	Horizontal
*	7120.0	35.0	11.6	46.6	68.2	-21.6	Peak	Vertical
*	10078.0	33.1	15.6	48.7	68.2	-19.5	Peak	Vertical
	11002.3	38.7	18.5	57.2	74.0	-16.8	Peak	Vertical
	11002.3	24.5	18.5	43.0	54.0	-11.0	Average	Vertical
	12007.5	32.1	18.7	50.8	74.0	-23.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	120
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
	7553.5	33.3	14.3	47.6	74.0	-26.4	Peak	Horizontal
	8446.0	32.2	13.9	46.1	74.0	-27.9	Peak	Horizontal
*	9823.0	30.5	17.1	47.6	68.2	-20.6	Peak	Horizontal
*	12815.0	29.9	20.5	50.4	68.2	-17.8	Peak	Horizontal
	9347.0	31.7	15.9	47.6	74.0	-26.4	Peak	Vertical
	11191.5	33.3	20.4	53.7	74.0	-20.3	Peak	Vertical
*	12806.5	29.5	20.5	50.0	68.2	-18.2	Peak	Vertical
*	13410.0	29.3	22.9	52.2	68.2	-16.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	140
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
*	7205.0	33.9	12.1	46.0	68.2	-22.2	Peak	Horizontal
*	8633.0	34.4	13.5	47.9	68.2	-20.3	Peak	Horizontal
	10681.5	34.2	17.4	51.6	74.0	-22.4	Peak	Horizontal
	11905.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
*	7213.5	34.6	12.1	46.7	68.2	-21.5	Peak	Vertical
*	9202.5	33.2	14.8	48.0	68.2	-20.2	Peak	Vertical
	10698.5	33.4	17.5	50.9	74.0	-23.1	Peak	Vertical
	12058.5	32.5	18.8	51.3	74.0	-22.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	144
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
*	7205.0	33.6	12.1	45.7	68.2	-22.5	Peak	Horizontal
*	8973.0	31.4	14.1	45.5	68.2	-22.7	Peak	Horizontal
	10860.0	33.3	18.2	51.5	74.0	-22.5	Peak	Horizontal
	12424.0	32.9	18.4	51.3	74.0	-22.7	Peak	Horizontal
*	7069.0	34.6	11.2	45.8	68.2	-22.4	Peak	Horizontal
*	8641.5	34.5	13.5	48.0	68.2	-20.2	Peak	Vertical
	11441.2	35.9	19.2	55.1	74.0	-18.9	Peak	Vertical
	11441.2	24.9	19.2	44.1	54.0	-9.9	Average	Vertical
	12381.5	32.2	18.4	50.6	74.0	-23.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	52
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
*	7205.0	34.6	12.1	46.7	68.2	-21.5	Peak	Horizontal
*	8777.5	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
	11684.5	31.4	19.2	50.6	74.0	-23.4	Peak	Horizontal
	15790.2	37.4	20.4	57.8	74.0	-16.2	Peak	Horizontal
	15790.2	22.1	20.4	42.5	54.0	-11.5	Average	Horizontal
*	7995.5	36.1	12.5	48.6	68.2	-19.6	Peak	Vertical
*	10528.5	40.7	17.2	57.9	68.2	-10.3	Peak	Vertical
	12339.0	32.8	18.5	51.3	74.0	-22.7	Peak	Vertical
	15775.7	37.9	20.4	58.3	74.0	-15.7	Peak	Vertical
	15775.7	23.4	20.4	43.8	54.0	-10.2	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	60
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
*	8089.0	34.1	12.3	46.4	68.2	-21.8	Peak	Horizontal
*	10596.5	40.5	17.3	57.8	68.2	-10.4	Peak	Horizontal
	12007.5	31.0	18.7	49.7	74.0	-24.3	Peak	Horizontal
	12449.5	32.4	18.4	50.8	74.0	-23.2	Peak	Horizontal
*	7069.0	35.0	11.2	46.2	68.2	-22.0	Peak	Vertical
*	8607.5	34.5	13.5	48.0	68.2	-20.2	Peak	Vertical
	10605.0	46.5	17.3	63.8	74.0	-10.2	Peak	Vertical
	10605.0	24.8	17.3	42.1	54.0	-11.9	Average	Vertical
	15896.9	40.2	20.4	60.6	74.0	-13.4	Peak	Vertical
	15896.9	25.9	20.4	46.3	54.0	-7.7	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	64
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
*	7094.5	37.7	11.4	49.1	68.2	-19.1	Peak	Horizontal
*	8063.5	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
	10639.4	41.0	17.4	58.4	74.0	-15.6	Peak	Horizontal
	10639.4	22.2	17.4	39.6	54.0	-14.4	Average	Horizontal
	12109.5	34.2	18.9	53.1	74.0	-20.9	Peak	Horizontal
*	7026.5	36.4	10.8	47.2	68.2	-21.0	Peak	Vertical
*	7808.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
	10633.0	45.7	17.4	63.1	74.0	-10.9	Peak	Vertical
	10633.0	31.7	17.3	49.0	54.0	-5.0	Average	Vertical
	11744.0	32.2	18.9	51.1	74.0	-22.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	100
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
*	7077.5	35.3	11.3	46.6	68.2	-21.6	Peak	Horizontal
*	8624.5	34.4	13.5	47.9	68.2	-20.3	Peak	Horizontal
	10749.5	33.2	17.7	50.9	74.0	-23.1	Peak	Horizontal
	12551.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
*	7179.5	34.5	12.0	46.5	68.2	-21.7	Peak	Vertical
*	7987.0	34.5	12.5	47.0	68.2	-21.2	Peak	Vertical
	11007.6	36.7	18.5	55.2	74.0	-18.8	Peak	Vertical
	11007.6	24.1	18.5	42.6	54.0	-11.4	Average	Vertical
	12551.5	31.8	18.6	50.4	74.0	-23.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	120
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
	8327.0	32.2	13.9	46.1	74.0	-27.9	Peak	Horizontal
	10800.5	33.7	19.8	53.5	74.0	-20.5	Peak	Horizontal
*	12840.5	29.7	20.6	50.3	68.2	-17.9	Peak	Horizontal
*	13486.5	29.5	23.2	52.7	68.2	-15.5	Peak	Horizontal
	8463.0	32.8	13.9	46.7	74.0	-27.3	Peak	Vertical
	11208.0	35.1	20.2	55.3	74.0	-18.7	Peak	Vertical
	11208.0	22.3	20.2	42.5	54.0	-11.5	Average	Vertical
*	12721.5	30.4	20.4	50.8	68.2	-17.4	Peak	Vertical
*	13418.5	29.9	23.0	52.9	68.2	-15.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	140
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
*	7077.5	34.2	11.3	45.5	68.2	-22.7	Peak	Horizontal
*	7910.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
	11072.5	32.0	18.6	50.6	74.0	-23.4	Peak	Horizontal
	12296.5	32.3	18.6	50.9	74.0	-23.1	Peak	Horizontal
*	7196.5	34.8	12.1	46.9	68.2	-21.3	Peak	Vertical
*	8310.0	33.7	11.9	45.6	68.2	-22.6	Peak	Vertical
	11030.0	30.7	18.5	49.2	74.0	-24.8	Peak	Vertical
	12551.5	31.4	18.6	50.0	74.0	-24.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	144
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
*	7145.5	34.2	11.8	46.0	68.2	-22.2	Peak	Horizontal
*	8089.0	34.9	12.3	47.2	68.2	-21.0	Peak	Horizontal
	11446.3	34.1	19.2	53.3	74.0	-20.7	Peak	Horizontal
	11446.3	19.5	19.2	38.7	54.0	-15.3	Average	Horizontal
	12330.5	31.9	18.5	50.4	74.0	-23.6	Peak	Horizontal
*	7120.0	33.9	11.6	45.5	68.2	-22.7	Peak	Vertical
*	8539.5	32.9	13.1	46.0	68.2	-22.2	Peak	Vertical
	11497.2	33.4	19.3	52.7	74.0	-21.3	Peak	Vertical
	11497.2	18.4	19.3	37.7	54.0	-16.3	Average	Vertical
	12330.5	31.9	18.5	50.4	74.0	-23.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	54
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	34.7	12.5	47.2	68.2	-21.0	Peak	Horizontal
*	8769.0	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
	10826.0	32.2	18.0	50.2	74.0	-23.8	Peak	Horizontal
	11897.0	31.5	18.6	50.1	74.0	-23.9	Peak	Horizontal
*	7970.0	35.0	12.5	47.5	68.2	-20.7	Peak	Vertical
*	10554.0	39.0	17.2	56.2	68.2	-12.0	Peak	Vertical
	11676.0	31.4	19.2	50.6	74.0	-23.4	Peak	Vertical
	12441.0	33.0	18.4	51.4	74.0	-22.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	62
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
*	7869.0	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	8896.5	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
	10715.5	33.4	17.5	50.9	74.0	-23.1	Peak	Horizontal
	11880.0	31.3	18.6	49.9	74.0	-24.1	Peak	Horizontal
*	7987.0	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	8811.5	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
	10612.1	39.4	17.3	56.7	74.0	-17.3	Peak	Vertical
	10612.1	25.0	17.3	42.3	54.0	-11.7	Average	Vertical
	11557.0	32.6	19.5	52.1	74.0	-21.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	102
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
*	7196.5	34.3	12.1	46.4	68.2	-21.8	Peak	Horizontal
*	8862.5	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
	11030.0	32.6	18.5	51.1	74.0	-22.9	Peak	Horizontal
	12220.0	32.0	18.7	50.7	74.0	-23.3	Peak	Horizontal
*	7944.5	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
*	8888.0	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
	11081.0	31.8	18.6	50.4	74.0	-23.6	Peak	Vertical
	12390.0	31.7	18.4	50.1	74.0	-23.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	118
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
	7443.0	34.2	14.3	48.5	74.0	-25.5	Peak	Horizontal
	8386.5	32.4	13.8	46.2	74.0	-27.8	Peak	Horizontal
*	10163.0	30.9	17.8	48.7	68.2	-19.5	Peak	Horizontal
*	13070.0	29.9	21.4	51.3	68.2	-16.9	Peak	Horizontal
	7400.5	32.8	13.9	46.7	74.0	-27.3	Peak	Vertical
	8463.0	32.1	13.9	46.0	74.0	-28.0	Peak	Vertical
*	9814.5	30.6	17.0	47.6	68.2	-20.6	Peak	Vertical
*	12781.0	30.2	20.5	50.7	68.2	-17.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	134
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	35.9	12.5	48.4	68.2	-19.8	Peak	Horizontal
*	8888.0	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
	11021.5	32.3	18.5	50.8	74.0	-23.2	Peak	Horizontal
	12347.5	32.1	18.4	50.5	74.0	-23.5	Peak	Horizontal
*	8726.5	31.4	13.8	45.2	68.2	-23.0	Peak	Vertical
*	9517.0	33.1	14.4	47.5	68.2	-20.7	Peak	Vertical
	11489.0	30.9	19.3	50.2	74.0	-23.8	Peak	Vertical
	12449.5	31.8	18.4	50.2	74.0	-23.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	142
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
*	8542.0	33.5	11.9	45.4	68.2	-22.8	Peak	Horizontal
*	9593.5	33.6	14.4	48.0	68.2	-20.2	Peak	Horizontal
	11174.5	31.3	18.7	50.0	74.0	-24.0	Peak	Horizontal
	12067.0	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
*	7808.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	9075.0	32.7	14.3	47.0	68.2	-21.2	Peak	Vertical
	11424.6	35.0	19.1	54.1	74.0	-19.9	Peak	Vertical
	11424.6	23.0	19.2	42.2	54.0	-11.8	Average	Vertical
	12492.0	32.7	18.5	51.2	74.0	-22.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	52
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
*	7766.0	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8930.5	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
	11174.5	31.3	18.7	50.0	74.0	-24.0	Peak	Horizontal
	15777.3	33.6	20.4	54.0	74.0	-20.0	Peak	Horizontal
	15777.3	23.1	20.4	43.5	54.0	-10.5	Average	Horizontal
*	7978.5	35.1	12.5	47.6	68.2	-20.6	Peak	Vertical
*	10528.5	38.8	17.2	56.0	68.2	-12.2	Peak	Vertical
	12237.0	34.2	18.7	52.9	74.0	-21.1	Peak	Vertical
	15775.9	37.3	20.4	57.7	74.0	-16.3	Peak	Vertical
	15775.9	25.9	20.4	46.3	54.0	-7.7	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	60
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	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	10596.5	39.5	17.3	56.8	68.2	-11.4	Peak	Horizontal
	12007.5	33.5	18.7	52.2	74.0	-21.8	Peak	Horizontal
	15898.3	34.9	20.4	55.3	74.0	-18.7	Peak	Horizontal
	15898.3	24.0	20.4	44.4	54.0	-9.6	Average	Horizontal
*	7868.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	10596.5	46.1	17.3	63.4	68.2	-4.8	Peak	Vertical
	12067.0	33.8	18.8	52.6	74.0	-21.4	Peak	Vertical
	15896.0	38.2	20.4	58.6	74.0	-15.4	Peak	Vertical
	15896.0	26.0	20.4	46.4	54.0	-7.6	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	64
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
*	7077.5	34.3	11.3	45.6	68.2	-22.6	Peak	Horizontal
*	8888.0	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
	10639.3	40.0	17.4	57.4	74.0	-16.6	Peak	Horizontal
	10639.3	29.1	17.4	46.5	54.0	-7.5	Average	Horizontal
	12058.5	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	7953.0	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
*	9287.5	34.3	14.7	49.0	68.2	-19.2	Peak	Vertical
	10634.8	48.9	17.3	66.2	74.0	-7.8	Peak	Vertical
	10634.8	33.9	17.3	51.2	54.0	-2.8	Average	Vertical
	15961.4	35.1	20.3	55.4	74.0	-18.6	Peak	Vertical
	15961.4	22.2	20.3	42.5	54.0	-11.5	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	100
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
*	7103.0	35.1	11.5	46.6	68.2	-21.6	Peak	Horizontal
*	8939.0	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
	11506.0	32.6	19.4	52.0	74.0	-22.0	Peak	Horizontal
	12143.5	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	7052.0	34.3	11.0	45.3	68.2	-22.9	Peak	Vertical
*	8794.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
	10991.3	37.7	18.5	56.2	74.0	-17.8	Peak	Vertical
	10991.3	24.8	18.5	43.3	54.0	-10.7	Average	Vertical
	16503.0	37.2	21.9	59.1	74.0	-14.9	Peak	Vertical
	16503.0	24.2	21.9	46.1	54.0	-7.9	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	120
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
	7451.5	33.2	14.3	47.5	74.0	-26.5	Peak	Horizontal
	8369.5	32.4	13.8	46.2	74.0	-27.8	Peak	Horizontal
*	10350.0	30.8	18.5	49.3	68.2	-18.9	Peak	Horizontal
*	16801.5	34.7	24.9	59.6	68.2	-8.6	Peak	Horizontal
	7502.5	33.5	14.2	47.7	74.0	-26.3	Peak	Vertical
	8386.5	32.1	13.8	45.9	74.0	-28.1	Peak	Vertical
*	10120.5	33.7	18.0	51.7	68.2	-16.5	Peak	Vertical
*	16784.5	36.8	24.7	61.5	68.2	-6.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	140
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	34.9	12.5	47.4	68.2	-20.8	Peak	Horizontal
*	8505.5	33.2	12.9	46.1	68.2	-22.1	Peak	Horizontal
	10639.0	33.3	17.4	50.7	74.0	-23.3	Peak	Horizontal
	12041.5	32.6	18.8	51.4	74.0	-22.6	Peak	Horizontal
*	8055.0	33.7	12.5	46.2	68.2	-22.0	Peak	Vertical
*	8973.0	32.1	14.1	46.2	68.2	-22.0	Peak	Vertical
	11225.5	30.9	18.8	49.7	74.0	-24.3	Peak	Vertical
	12109.5	32.7	18.9	51.6	74.0	-22.4	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	144
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
*	7111.5	34.0	11.5	45.5	68.2	-22.7	Peak	Horizontal
*	9908.0	33.1	15.3	48.4	68.2	-19.8	Peak	Horizontal
	11098.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
	12109.5	32.7	18.9	51.6	74.0	-22.4	Peak	Horizontal
*	8505.5	32.9	12.9	45.8	68.2	-22.4	Peak	Vertical
*	9644.5	33.3	14.4	47.7	68.2	-20.5	Peak	Vertical
	11443.3	36.1	19.2	55.3	74.0	-18.7	Peak	Vertical
	11443.3	26.7	19.2	45.9	54.0	-8.1	Average	Vertical
	12024.5	31.5	18.8	50.3	74.0	-23.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	54
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
*	7931.5	33.3	12.2	45.5	68.2	-22.7	Peak	Horizontal
*	8811.5	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
	10843.0	31.8	18.1	49.9	74.0	-24.1	Peak	Horizontal
	11956.5	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
*	8692.5	31.9	13.7	45.6	68.2	-22.6	Peak	Vertical
*	10120.5	32.9	15.8	48.7	68.2	-19.5	Peak	Vertical
	11582.5	31.2	19.5	50.7	74.0	-23.3	Peak	Vertical
	12381.5	31.5	18.4	49.9	74.0	-24.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	62
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	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	8735.0	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	10877.0	32.6	18.2	50.8	74.0	-23.2	Peak	Horizontal
	11659.0	31.8	19.3	51.1	74.0	-22.9	Peak	Horizontal
*	7953.0	32.7	12.5	45.2	68.2	-23.0	Peak	Vertical
*	8973.0	32.2	14.1	46.3	68.2	-21.9	Peak	Vertical
	10631.7	42.5	17.3	59.8	74.0	-14.2	Peak	Vertical
	10631.7	29.2	17.3	46.5	54.0	-7.5	Average	Vertical
	11650.5	32.8	19.3	52.1	74.0	-21.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	102
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
*	8505.5	32.3	12.9	45.2	68.2	-23.0	Peak	Horizontal
*	9508.5	33.2	14.4	47.6	68.2	-20.6	Peak	Horizontal
	10639.0	33.2	17.4	50.6	74.0	-23.4	Peak	Horizontal
	11735.5	31.0	19.0	50.0	74.0	-24.0	Peak	Horizontal
*	8930.5	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
*	10188.5	31.9	16.2	48.1	68.2	-20.1	Peak	Vertical
	11285.0	30.8	18.8	49.6	74.0	-24.4	Peak	Vertical
	12109.5	31.4	18.9	50.3	74.0	-23.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	118
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
	7536.5	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	8361.0	32.7	13.8	46.5	74.0	-27.5	Peak	Horizontal
*	10171.5	30.6	17.9	48.5	68.2	-19.7	Peak	Horizontal
*	12951.0	30.3	21.2	51.5	68.2	-16.7	Peak	Horizontal
	7511.0	32.9	14.3	47.2	74.0	-26.8	Peak	Vertical
	8429.0	32.3	13.9	46.2	74.0	-27.8	Peak	Vertical
*	10197.0	30.1	18.1	48.2	68.2	-20.0	Peak	Vertical
*	16767.5	35.7	24.6	60.3	68.2	-7.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	134
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
*	8510.0	33.4	11.9	45.3	68.2	-22.9	Peak	Horizontal
*	9572.5	31.9	14.5	46.4	68.2	-21.8	Peak	Horizontal
	10783.5	32.1	17.8	49.9	74.0	-24.1	Peak	Horizontal
	11684.5	31.0	19.2	50.2	74.0	-23.8	Peak	Horizontal
*	8539.5	32.2	13.1	45.3	68.2	-22.9	Peak	Vertical
*	10197.0	32.0	16.2	48.2	68.2	-20.0	Peak	Vertical
	12024.5	31.3	18.8	50.1	74.0	-23.9	Peak	Vertical
	16765.3	36.8	23.5	60.3	74.0	-13.7	Peak	Vertical
	16765.3	26.6	23.4	50.0	54.0	-4.0	Average	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	142
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
*	7086.0	34.1	11.3	45.4	68.2	-22.8	Peak	Horizontal
*	8582.0	33.4	13.4	46.8	68.2	-21.4	Peak	Horizontal
	11021.5	31.5	18.5	50.0	74.0	-24.0	Peak	Horizontal
	12228.5	31.5	18.7	50.2	74.0	-23.8	Peak	Horizontal
*	7026.5	34.5	10.8	45.3	68.2	-22.9	Peak	Vertical
*	8888.0	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
	10732.5	32.0	17.6	49.6	74.0	-24.4	Peak	Vertical
	12330.5	31.0	18.5	49.5	74.0	-24.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	58
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
*	8930.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
*	9857.0	32.1	16.2	48.3	68.2	-19.9	Peak	Horizontal
	11098.0	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
	11880.0	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
*	8811.5	30.7	14.0	44.7	68.2	-23.5	Peak	Vertical
*	10426.5	31.5	17.0	48.5	68.2	-19.7	Peak	Vertical
	11795.0	30.3	18.8	49.1	74.0	-24.9	Peak	Vertical
	12169.0	33.1	18.8	51.9	74.0	-22.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	106
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
*	8811.5	30.7	14.0	44.7	68.2	-23.5	Peak	Horizontal
*	9576.5	33.8	14.4	48.2	68.2	-20.0	Peak	Horizontal
	10877.0	32.2	18.2	50.4	74.0	-23.6	Peak	Horizontal
	11820.5	32.2	18.7	50.9	74.0	-23.1	Peak	Horizontal
*	8888.0	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	9534.0	33.0	14.4	47.4	68.2	-20.8	Peak	Vertical
	11820.5	32.2	18.7	50.9	74.0	-23.1	Peak	Vertical
	12390.0	32.3	18.4	50.7	74.0	-23.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	122
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
*	7035.0	34.9	10.9	45.8	68.2	-22.4	Peak	Horizontal
*	8760.5	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
	10630.5	33.3	17.3	50.6	74.0	-23.4	Peak	Horizontal
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
*	7128.5	33.7	11.7	45.4	68.2	-22.8	Peak	Vertical
*	7808.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
	10698.5	33.1	17.5	50.6	74.0	-23.4	Peak	Vertical
	11812.0	31.2	18.7	49.9	74.0	-24.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	138
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
*	8548.0	32.7	13.2	45.9	68.2	-22.3	Peak	Horizontal
*	8888.0	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
	10851.5	31.9	18.1	50.0	74.0	-24.0	Peak	Horizontal
	11778.0	30.6	18.8	49.4	74.0	-24.6	Peak	Horizontal
*	7808.5	33.3	12.4	45.7	68.2	-22.5	Peak	Vertical
*	8692.5	31.4	13.7	45.1	68.2	-23.1	Peak	Vertical
	11778.0	30.6	18.8	49.4	74.0	-24.6	Peak	Vertical
	12271.0	30.6	18.6	49.2	74.0	-24.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	52
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
	7553.5	35.0	12.8	47.8	74.0	-26.2	Peak	Horizontal
*	8684.0	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
	11591.0	32.8	19.5	52.3	74.0	-21.7	Peak	Horizontal
*	12917.0	32.7	19.6	52.3	68.2	-15.9	Peak	Horizontal
	7502.5	34.3	12.9	47.2	74.0	-26.8	Peak	Vertical
*	8930.5	33.5	14.0	47.5	68.2	-20.7	Peak	Vertical
	11268.0	33.0	18.8	51.8	74.0	-22.2	Peak	Vertical
*	12976.5	33.2	19.8	53.0	68.2	-15.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	60
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
	7596.0	34.2	12.7	46.9	74.0	-27.1	Peak	Horizontal
*	8667.0	34.3	13.6	47.9	68.2	-20.3	Peak	Horizontal
	10741.0	33.8	17.6	51.4	74.0	-22.6	Peak	Horizontal
*	12874.5	32.2	19.4	51.6	68.2	-16.6	Peak	Horizontal
	7460.0	35.0	12.8	47.8	74.0	-26.2	Peak	Vertical
*	8726.5	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
	10877.0	32.7	18.2	50.9	74.0	-23.1	Peak	Vertical
*	12959.5	32.6	19.8	52.4	68.2	-15.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	64
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
	7613.0	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
*	8667.0	33.5	13.6	47.1	68.2	-21.1	Peak	Horizontal
	10698.5	34.6	17.5	52.1	74.0	-21.9	Peak	Horizontal
*	13078.5	33.4	20.1	53.5	68.2	-14.7	Peak	Horizontal
	7307.0	35.0	12.3	47.3	74.0	-26.7	Peak	Vertical
*	8726.5	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
	10639.0	35.7	17.4	53.1	74.0	-20.9	Peak	Vertical
*	12764.0	33.3	19.0	52.3	68.2	-15.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	100
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
	7647.0	35.1	12.5	47.6	74.0	-26.4	Peak	Horizontal
*	9576.5	34.4	14.4	48.8	68.2	-19.4	Peak	Horizontal
	11378.5	32.7	19.1	51.8	74.0	-22.2	Peak	Horizontal
*	13061.5	32.7	20.0	52.7	68.2	-15.5	Peak	Horizontal
	7417.5	34.4	12.6	47.0	74.0	-27.0	Peak	Vertical
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
	10664.5	34.1	17.4	51.5	74.0	-22.5	Peak	Vertical
*	13061.5	32.4	20.0	52.4	68.2	-15.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	120
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
*	7120.0	34.9	11.6	46.5	68.2	-21.7	Peak	Horizontal
*	8692.5	34.3	13.7	48.0	68.2	-20.2	Peak	Horizontal
	10817.5	33.0	18.0	51.0	74.0	-23.0	Peak	Horizontal
	12092.5	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	7103.0	36.0	11.5	47.5	68.2	-20.7	Peak	Vertical
*	8709.5	33.4	13.8	47.2	68.2	-21.0	Peak	Vertical
	11191.5	34.9	18.7	53.6	74.0	-20.4	Peak	Vertical
	11191.5	20.1	18.7	38.8	54.0	-15.2	Average	Vertical
	12177.5	32.9	18.8	51.7	74.0	-22.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	140
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
	7528.0	34.3	12.8	47.1	74.0	-26.9	Peak	Horizontal
*	8811.5	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
	10698.5	34.4	17.5	51.9	74.0	-22.1	Peak	Horizontal
*	12968.0	32.9	19.8	52.7	68.2	-15.5	Peak	Horizontal
	7409.0	34.9	12.6	47.5	74.0	-26.5	Peak	Vertical
*	8964.5	33.0	14.1	47.1	68.2	-21.1	Peak	Vertical
	10690.0	33.9	17.5	51.4	74.0	-22.6	Peak	Vertical
*	12942.5	33.2	19.7	52.9	68.2	-15.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	144
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
	7298.5	35.6	12.3	47.9	74.0	-26.1	Peak	Horizontal
*	8684.0	33.9	13.7	47.6	68.2	-20.6	Peak	Horizontal
	10724.0	33.9	17.6	51.5	74.0	-22.5	Peak	Horizontal
*	12713.0	32.8	18.8	51.6	68.2	-16.6	Peak	Horizontal
	7494.0	34.7	12.8	47.5	74.0	-26.5	Peak	Vertical
*	8735.0	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
	11285.0	33.6	18.9	52.5	74.0	-21.5	Peak	Vertical
*	13002.0	32.6	19.9	52.5	68.2	-15.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	54
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
	7630.0	34.1	12.6	46.7	74.0	-27.3	Peak	Horizontal
*	8701.0	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
	10724.0	32.6	17.6	50.2	74.0	-23.8	Peak	Horizontal
*	12781.0	31.4	19.0	50.4	68.2	-17.8	Peak	Horizontal
	7519.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
*	8726.5	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
	10885.5	31.5	18.3	49.8	74.0	-24.2	Peak	Vertical
*	12976.5	31.4	19.8	51.2	68.2	-17.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	62
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
	7502.5	32.8	12.9	45.7	74.0	-28.3	Peak	Horizontal
*	8718.0	32.8	13.8	46.6	68.2	-21.6	Peak	Horizontal
	11659.0	31.2	19.3	50.5	74.0	-23.5	Peak	Horizontal
*	13104.0	31.0	20.1	51.1	68.2	-17.1	Peak	Horizontal
	7434.5	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
*	8709.5	31.1	13.8	44.9	68.2	-23.3	Peak	Vertical
	10630.5	33.7	17.3	51.0	74.0	-23.0	Peak	Vertical
*	13070.0	30.5	20.0	50.5	68.2	-17.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	102
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
	7613.0	32.7	12.6	45.3	74.0	-28.7	Peak	Horizontal
*	8667.0	31.9	13.6	45.5	68.2	-22.7	Peak	Horizontal
	10630.5	32.2	17.3	49.5	74.0	-24.5	Peak	Horizontal
*	13053.0	30.8	20.0	50.8	68.2	-17.4	Peak	Horizontal
	7545.0	33.0	12.8	45.8	74.0	-28.2	Peak	Vertical
*	8709.5	31.7	13.8	45.5	68.2	-22.7	Peak	Vertical
	10996.0	32.1	18.5	50.6	74.0	-23.4	Peak	Vertical
*	13138.0	31.8	20.1	51.9	68.2	-16.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	118
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
	7332.5	31.9	13.9	45.8	74.0	-28.2	Peak	Horizontal
	8420.5	30.9	13.9	44.8	74.0	-29.2	Peak	Horizontal
*	9814.5	31.3	17.0	48.3	68.2	-19.9	Peak	Horizontal
*	12891.5	30.0	21.1	51.1	68.2	-17.1	Peak	Horizontal
	7596.0	32.7	14.1	46.8	74.0	-27.2	Peak	Vertical
	8361.0	31.3	13.8	45.1	74.0	-28.9	Peak	Vertical
*	9814.5	29.2	17.0	46.2	68.2	-22.0	Peak	Vertical
*	12840.5	29.0	20.6	49.6	68.2	-18.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	134
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
	7528.0	33.3	12.8	46.1	74.0	-27.9	Peak	Horizontal
*	8726.5	31.3	13.8	45.1	68.2	-23.1	Peak	Horizontal
	10792.0	32.6	17.9	50.5	74.0	-23.5	Peak	Horizontal
*	12891.5	32.1	19.4	51.5	68.2	-16.7	Peak	Horizontal
	7443.0	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
*	8701.0	31.9	13.8	45.7	68.2	-22.5	Peak	Vertical
	11336.0	32.0	19.0	51.0	74.0	-23.0	Peak	Vertical
*	13002.0	31.7	19.9	51.6	68.2	-16.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	142
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
	7494.0	33.4	12.8	46.2	74.0	-27.8	Peak	Horizontal
*	8718.0	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
	10911.0	31.8	18.4	50.2	74.0	-23.8	Peak	Horizontal
*	13223.0	31.6	20.4	52.0	68.2	-16.2	Peak	Horizontal
	7375.0	33.1	12.5	45.6	74.0	-28.4	Peak	Vertical
*	8718.0	31.8	13.8	45.6	68.2	-22.6	Peak	Vertical
	10945.0	31.4	18.4	49.8	74.0	-24.2	Peak	Vertical
*	13019.0	31.1	19.9	51.0	68.2	-17.2	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	52
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
	7417.5	33.1	12.6	45.7	74.0	-28.3	Peak	Horizontal
*	8735.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
	11149.0	32.0	18.7	50.7	74.0	-23.3	Peak	Horizontal
*	12891.5	32.1	19.4	51.5	68.2	-16.7	Peak	Horizontal
	7528.0	32.2	12.8	45.0	74.0	-29.0	Peak	Vertical
*	8888.0	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
	11208.5	31.5	18.8	50.3	74.0	-23.7	Peak	Vertical
*	12721.5	32.4	18.8	51.2	68.2	-17.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	60
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
	7409.0	33.0	12.6	45.6	74.0	-28.4	Peak	Horizontal
*	9661.5	33.6	14.5	48.1	68.2	-20.1	Peak	Horizontal
	10987.5	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
*	13231.5	31.3	20.5	51.8	68.2	-16.4	Peak	Horizontal
	7434.5	33.2	12.7	45.9	74.0	-28.1	Peak	Vertical
*	9287.5	32.1	14.7	46.8	68.2	-21.4	Peak	Vertical
	11098.0	32.0	18.6	50.6	74.0	-23.4	Peak	Vertical
*	12874.5	33.3	19.4	52.7	68.2	-15.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	64
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
	7638.5	33.4	12.6	46.0	74.0	-28.0	Peak	Horizontal
*	9840.0	32.9	16.0	48.9	68.2	-19.3	Peak	Horizontal
	11174.5	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	13172.0	31.5	20.2	51.7	68.2	-16.5	Peak	Horizontal
	7511.0	33.3	12.9	46.2	74.0	-27.8	Peak	Vertical
*	8735.0	32.0	13.9	45.9	68.2	-22.3	Peak	Vertical
	10639.0	34.7	17.4	52.1	74.0	-21.9	Peak	Vertical
*	12874.5	31.5	19.4	50.9	68.2	-17.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	100
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
	7536.5	32.9	12.8	45.7	74.0	-28.3	Peak	Horizontal
*	8718.0	31.7	13.8	45.5	68.2	-22.7	Peak	Horizontal
	11259.5	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	13495.0	30.8	21.8	52.6	68.2	-15.6	Peak	Horizontal
	7579.0	32.6	12.7	45.3	74.0	-28.7	Peak	Vertical
*	9746.5	33.5	14.8	48.3	68.2	-19.9	Peak	Vertical
	10885.5	32.5	18.3	50.8	74.0	-23.2	Peak	Vertical
*	13138.0	31.1	20.1	51.2	68.2	-17.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	120
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
*	9814.5	32.4	15.4	47.8	68.2	-20.4	Peak	Horizontal
*	10443.5	31.7	17.1	48.8	68.2	-19.4	Peak	Horizontal
	11693.0	31.1	19.2	50.3	74.0	-23.7	Peak	Horizontal
	12262.5	31.5	18.6	50.1	74.0	-23.9	Peak	Horizontal
*	9857.0	32.5	16.2	48.7	68.2	-19.5	Peak	Vertical
*	10324.5	32.4	16.7	49.1	68.2	-19.1	Peak	Vertical
	11285.0	31.2	18.8	50.0	74.0	-24.0	Peak	Vertical
	12109.5	32.1	18.9	51.0	74.0	-23.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	140
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
	7409.0	32.5	12.6	45.1	74.0	-28.9	Peak	Horizontal
*	8718.0	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
	10970.5	31.9	18.5	50.4	74.0	-23.6	Peak	Horizontal
*	12832.0	32.5	19.2	51.7	68.2	-16.5	Peak	Horizontal
	7630.0	33.8	12.6	46.4	74.0	-27.6	Peak	Vertical
*	8735.0	31.8	13.9	45.7	68.2	-22.5	Peak	Vertical
	11387.0	33.0	19.1	52.1	74.0	-21.9	Peak	Vertical
*	12976.5	31.4	19.8	51.2	68.2	-17.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	144
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
	7341.0	33.1	12.4	45.5	74.0	-28.5	Peak	Horizontal
*	8497.0	33.1	12.8	45.9	68.2	-22.3	Peak	Horizontal
	11404.0	31.5	19.1	50.6	74.0	-23.4	Peak	Horizontal
*	13410.0	31.3	21.5	52.8	68.2	-15.4	Peak	Horizontal
	7613.0	33.4	12.6	46.0	74.0	-28.0	Peak	Vertical
*	8701.0	31.8	13.8	45.6	68.2	-22.6	Peak	Vertical
	11395.5	32.4	19.1	51.5	74.0	-22.5	Peak	Vertical
*	13087.0	32.2	20.1	52.3	68.2	-15.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	54
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
	7451.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
*	9755.0	34.3	14.8	49.1	68.2	-19.1	Peak	Horizontal
	11582.5	31.0	19.5	50.5	74.0	-23.5	Peak	Horizontal
*	13495.0	30.4	21.8	52.2	68.2	-16.0	Peak	Horizontal
	7468.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
*	8777.5	31.7	13.9	45.6	68.2	-22.6	Peak	Vertical
	10860.0	31.7	18.2	49.9	74.0	-24.1	Peak	Vertical
*	13155.0	30.8	20.1	50.9	68.2	-17.3	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	52
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
	7426.0	32.8	12.7	45.5	74.0	-28.5	Peak	Horizontal
*	10120.5	33.8	15.8	49.6	68.2	-18.6	Peak	Horizontal
	11684.5	31.3	19.2	50.5	74.0	-23.5	Peak	Horizontal
*	12942.5	31.5	19.7	51.2	68.2	-17.0	Peak	Horizontal
	7400.5	32.9	12.6	45.5	74.0	-28.5	Peak	Vertical
*	9636.0	32.8	14.4	47.2	68.2	-21.0	Peak	Vertical
	11183.0	30.8	18.7	49.5	74.0	-24.5	Peak	Vertical
*	13197.5	31.2	20.3	51.5	68.2	-16.7	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	102
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
	7426.0	33.4	12.7	46.1	74.0	-27.9	Peak	Horizontal
*	9610.5	33.1	14.4	47.5	68.2	-20.7	Peak	Horizontal
	10868.5	32.3	18.2	50.5	74.0	-23.5	Peak	Horizontal
*	12985.0	31.5	19.8	51.3	68.2	-16.9	Peak	Horizontal
	7451.5	33.0	12.8	45.8	74.0	-28.2	Peak	Vertical
*	8998.5	32.0	14.1	46.1	68.2	-22.1	Peak	Vertical
	10681.5	30.7	17.4	48.1	74.0	-25.9	Peak	Vertical
*	13189.0	29.4	20.3	49.7	68.2	-18.5	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	118
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
*	8930.5	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
*	9823.0	31.6	15.6	47.2	68.2	-21.0	Peak	Horizontal
	11183.0	30.6	18.7	49.3	74.0	-24.7	Peak	Horizontal
	12271.0	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
*	8510.0	33.4	11.9	45.3	68.2	-22.9	Peak	Vertical
*	9721.0	33.8	14.7	48.5	68.2	-19.7	Peak	Vertical
	11829.0	31.9	18.7	50.6	74.0	-23.4	Peak	Vertical
	16640.0	32.5	22.7	55.2	74.0	-18.8	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	134
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
	7528.0	33.2	12.8	46.0	74.0	-28.0	Peak	Horizontal
*	8760.5	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
	10928.0	31.9	18.4	50.3	74.0	-23.7	Peak	Horizontal
*	13121.0	31.6	20.1	51.7	68.2	-16.5	Peak	Horizontal
	7528.0	33.0	12.8	45.8	74.0	-28.2	Peak	Vertical
*	9814.5	32.9	15.4	48.3	68.2	-19.9	Peak	Vertical
	11659.0	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical
*	13818.0	30.9	22.2	53.1	68.2	-15.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	142
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
	7630.0	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
*	8752.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	10979.0	32.4	18.5	50.9	74.0	-23.1	Peak	Horizontal
*	12857.5	31.1	19.3	50.4	68.2	-17.8	Peak	Horizontal
	7494.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
*	8684.0	31.8	13.7	45.5	68.2	-22.7	Peak	Vertical
	10919.5	32.2	18.4	50.6	74.0	-23.4	Peak	Vertical
*	13002.0	31.2	19.9	51.1	68.2	-17.1	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	58
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
	7570.5	32.8	12.8	45.6	74.0	-28.4	Peak	Horizontal
*	9245.0	31.0	14.8	45.8	68.2	-22.4	Peak	Horizontal
	10885.5	31.6	18.3	49.9	74.0	-24.1	Peak	Horizontal
*	12942.5	31.1	19.7	50.8	68.2	-17.4	Peak	Horizontal
	7511.0	33.4	12.9	46.3	74.0	-27.7	Peak	Vertical
*	9738.0	33.2	14.8	48.0	68.2	-20.2	Peak	Vertical
	11089.5	31.5	18.6	50.1	74.0	-23.9	Peak	Vertical
*	12934.0	32.0	19.6	51.6	68.2	-16.6	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	106
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
	7562.0	33.3	12.8	46.1	74.0	-27.9	Peak	Horizontal
*	8735.0	30.4	13.9	44.3	68.2	-23.9	Peak	Horizontal
	10732.5	31.3	17.6	48.9	74.0	-25.1	Peak	Horizontal
*	12857.5	30.9	19.3	50.2	68.2	-18.0	Peak	Horizontal
	7426.0	32.8	12.7	45.5	74.0	-28.5	Peak	Vertical
*	9738.0	33.8	14.8	48.6	68.2	-19.6	Peak	Vertical
	11523.0	31.9	19.4	51.3	74.0	-22.7	Peak	Vertical
*	13444.0	30.7	21.6	52.3	68.2	-15.9	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	122
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
	7417.5	32.6	12.6	45.2	74.0	-28.8	Peak	Horizontal
*	9627.5	33.2	14.4	47.6	68.2	-20.6	Peak	Horizontal
	11582.5	30.1	19.5	49.6	74.0	-24.4	Peak	Horizontal
*	12908.5	30.5	19.5	50.0	68.2	-18.2	Peak	Horizontal
	7579.0	34.1	12.7	46.8	74.0	-27.2	Peak	Vertical
*	9653.0	33.6	14.5	48.1	68.2	-20.1	Peak	Vertical
	11166.0	31.5	18.7	50.2	74.0	-23.8	Peak	Vertical
*	13401.5	30.8	21.4	52.2	68.2	-16.0	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	AC220m Wi-Fi module ID US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/15
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	138
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
	7511.0	32.8	12.9	45.7	74.0	-28.3	Peak	Horizontal
*	9780.5	33.1	14.9	48.0	68.2	-20.2	Peak	Horizontal
	11081.0	32.0	18.6	50.6	74.0	-23.4	Peak	Horizontal
*	13070.0	29.3	20.0	49.3	68.2	-18.9	Peak	Horizontal
	7460.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
*	9245.0	31.6	14.8	46.4	68.2	-21.8	Peak	Vertical
	10681.5	30.9	17.4	48.3	74.0	-25.7	Peak	Vertical
*	12789.5	30.8	19.1	49.9	68.2	-18.3	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)

The worst case of Radiated Emission below 1GHz:

Refer to MRT test report "1712TW0105-U2" section 7.8.

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band 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 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.

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 Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.9.3.Test Setting

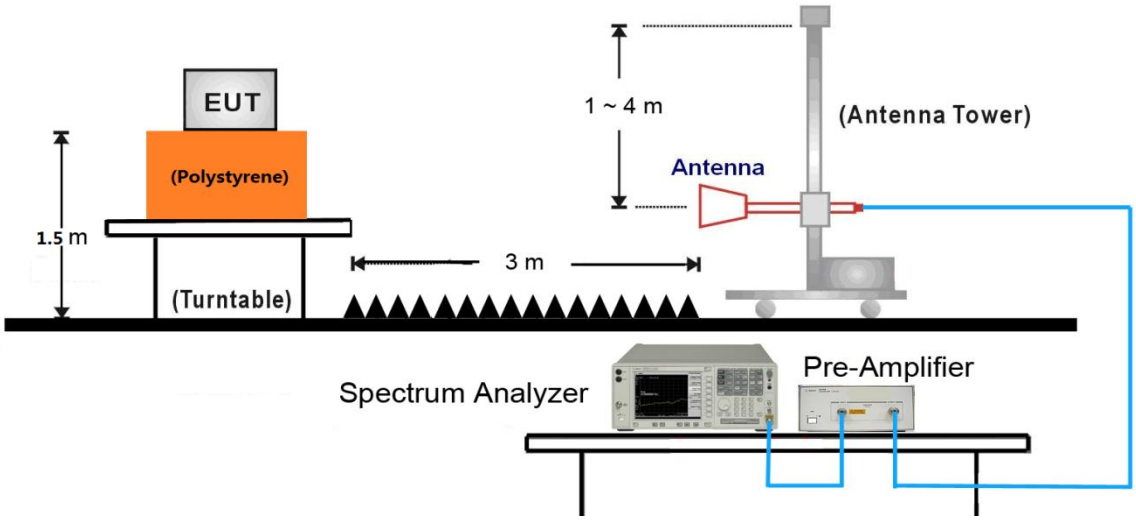
Peak Measurements above 1GHz

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)

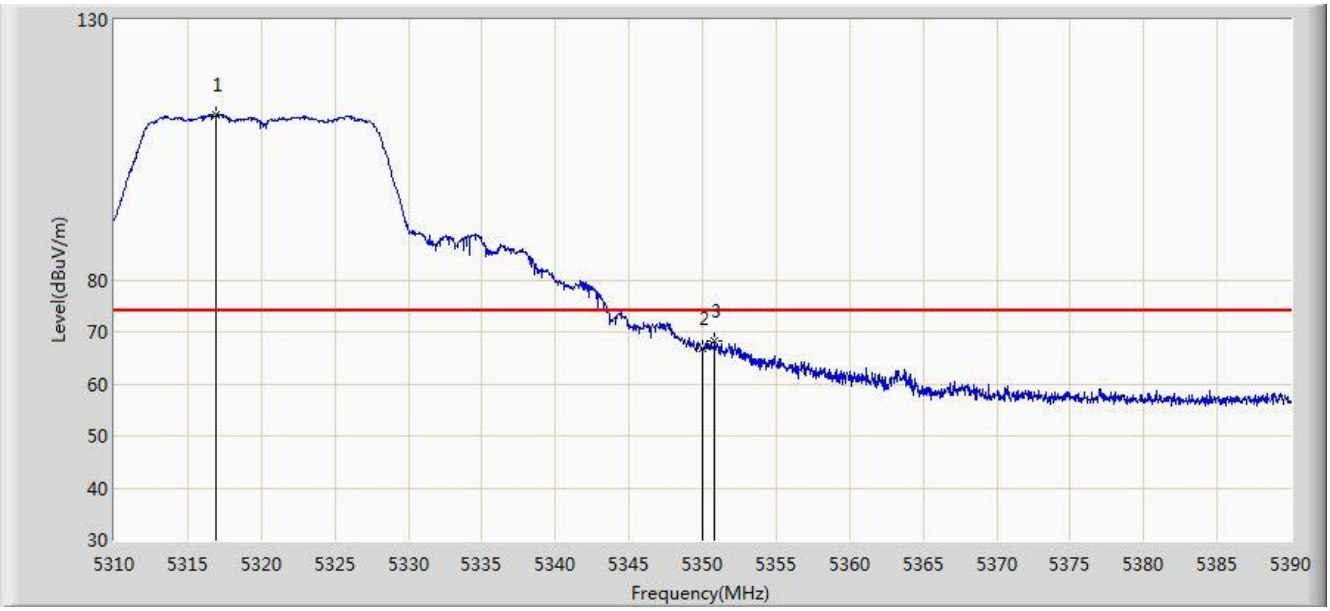
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

7.9.4.Test Setup



7.9.5.Test Result

Site: AC1	Time: 2017/12/09 - 15:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

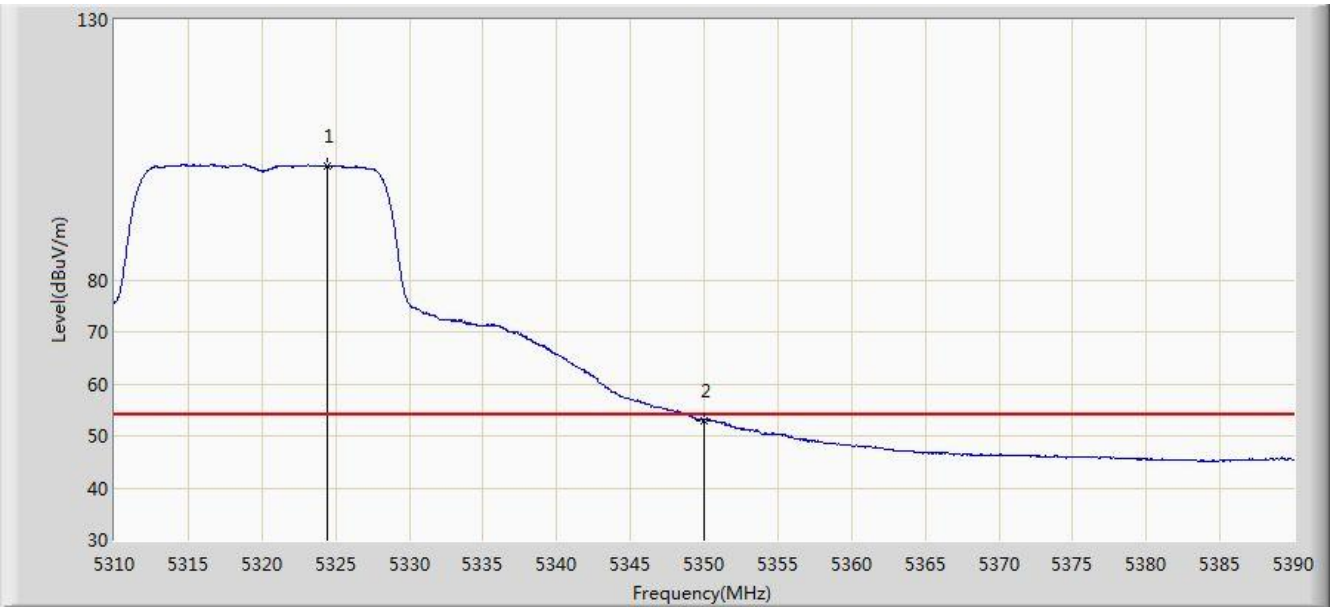


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.880	111.660	107.817	N/A	N/A	3.842	PK
2			5350.000	66.873	62.968	-7.127	74.000	3.904	PK
3			5350.800	68.127	64.221	-5.873	74.000	3.906	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

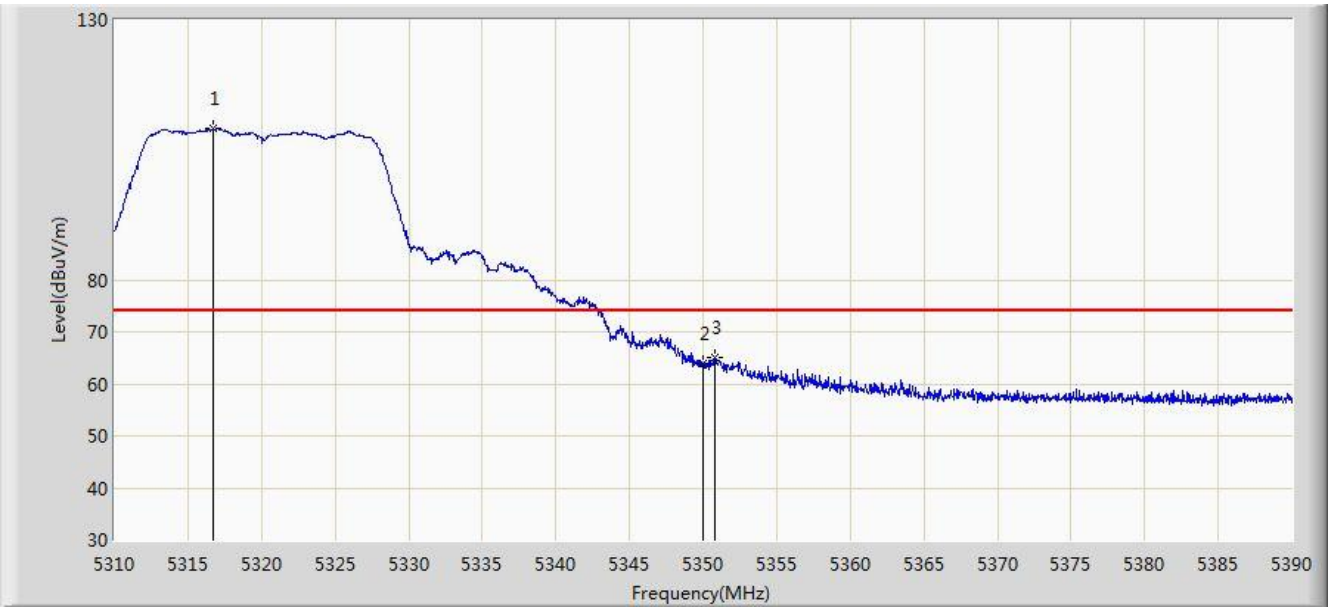


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5324.400	101.918	98.061	N/A	N/A	3.857	AV
2			5350.000	52.972	49.067	-1.028	54.000	3.904	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

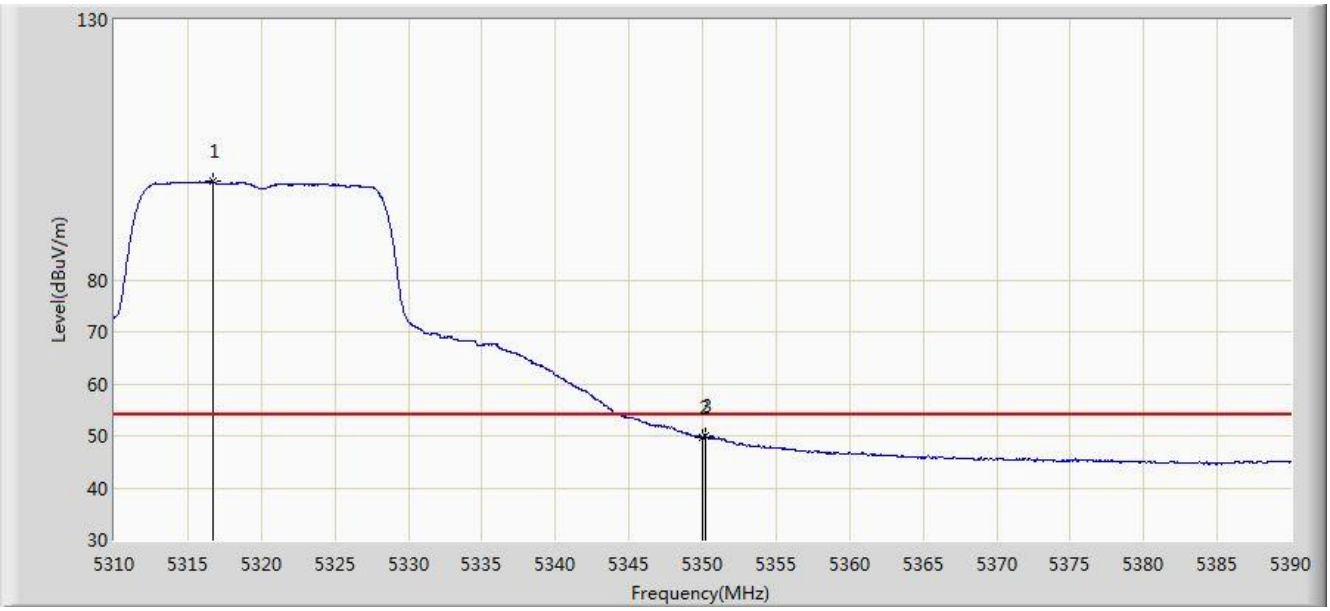


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.680	108.989	105.147	N/A	N/A	3.843	PK
2			5350.000	63.799	59.894	-10.201	74.000	3.904	PK
3			5350.840	64.975	61.069	-9.025	74.000	3.906	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

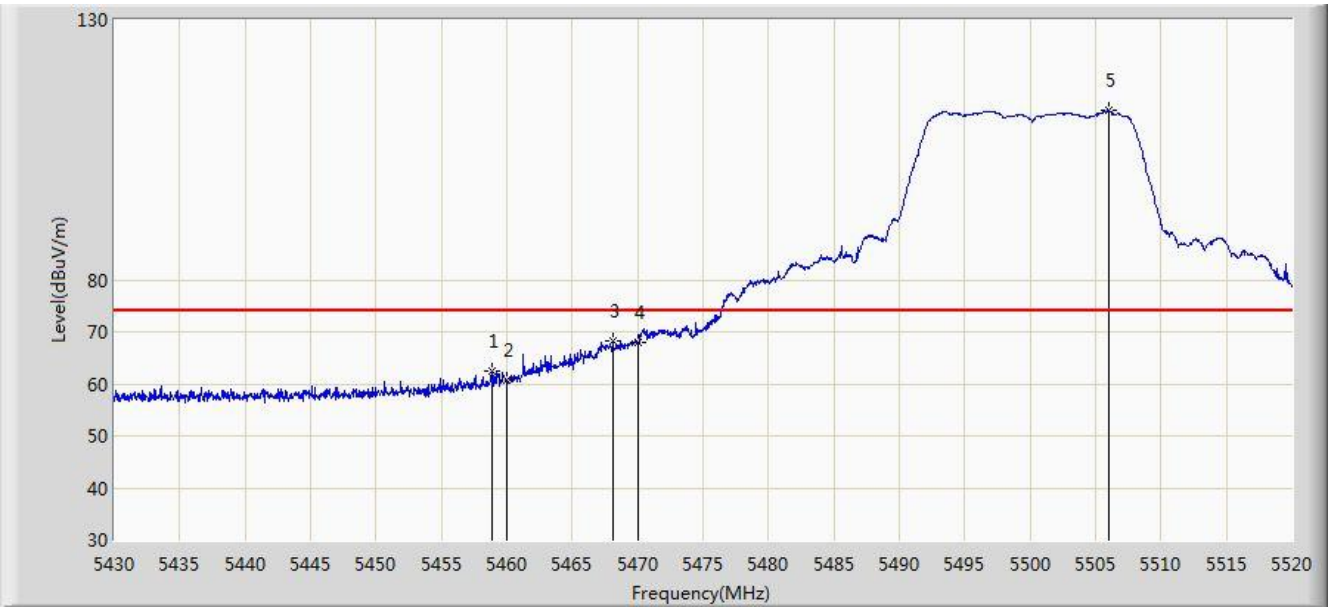


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.680	98.845	95.003	N/A	N/A	3.843	AV
2			5350.000	49.670	45.765	-4.330	54.000	3.904	AV
3			5350.200	49.924	46.019	-4.076	54.000	3.905	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

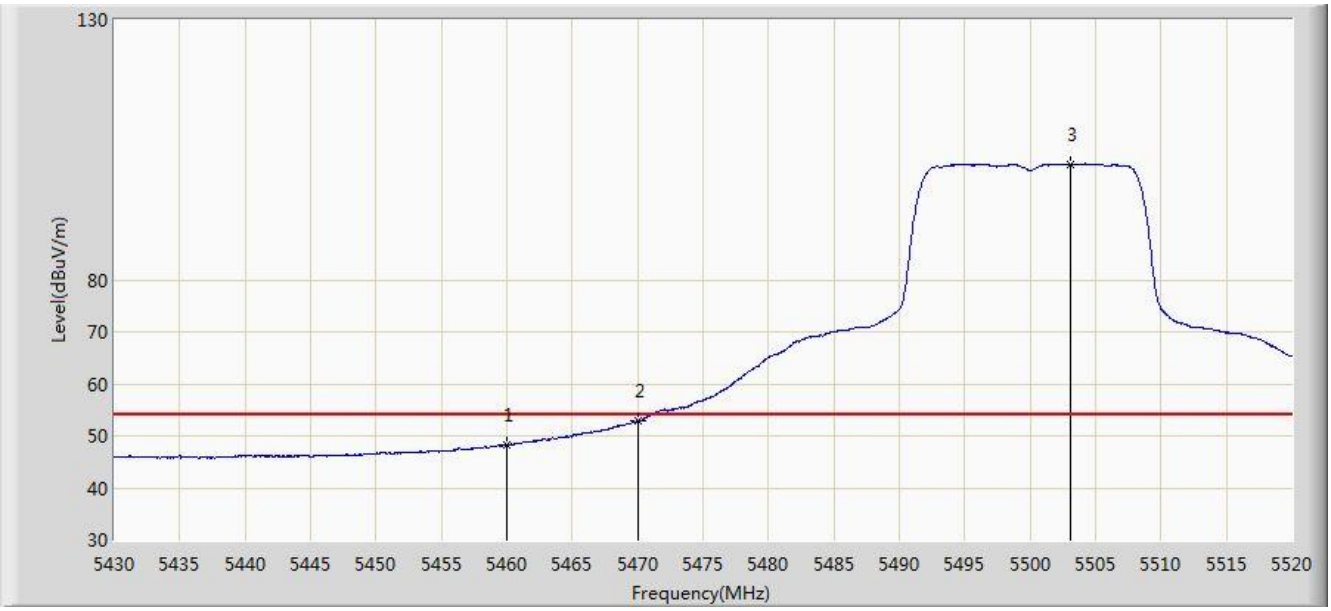


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.890	62.338	58.160	-11.662	74.000	4.178	PK
2			5460.000	60.649	56.469	-13.351	74.000	4.180	PK
3			5468.070	68.327	64.129	-5.673	74.000	4.198	PK
4			5470.000	68.055	63.853	-5.945	74.000	4.202	PK
5			5505.960	112.569	108.280	N/A	N/A	4.289	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

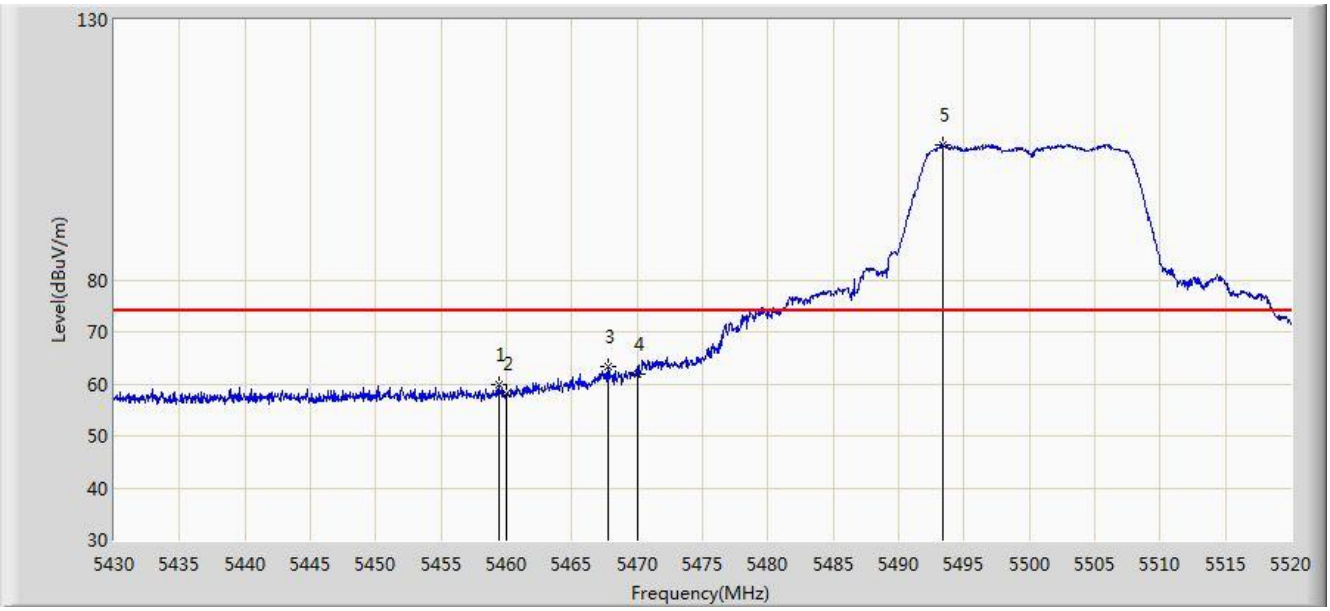


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.243	44.063	-5.757	54.000	4.180	AV
2			5470.000	52.853	48.651	-1.147	54.000	4.202	AV
3			5503.125	102.304	98.023	N/A	N/A	4.281	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

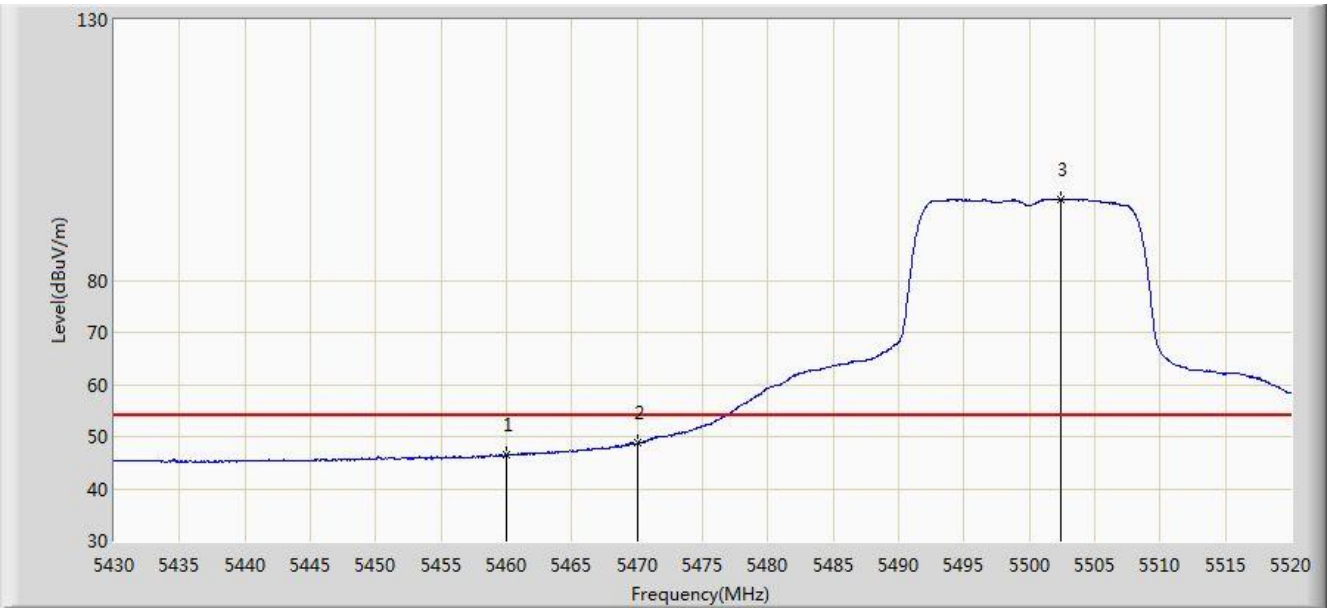


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.385	59.785	55.606	-14.215	74.000	4.178	PK
2			5460.000	58.074	53.894	-15.926	74.000	4.180	PK
3			5467.800	63.398	59.201	-10.602	74.000	4.197	PK
4			5470.000	61.961	57.759	-12.039	74.000	4.202	PK
5			5493.405	105.974	101.718	N/A	N/A	4.255	PK

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

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

Engineer: Kevin Ker	
Site: AC1	Time: 2017/12/09 - 15:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

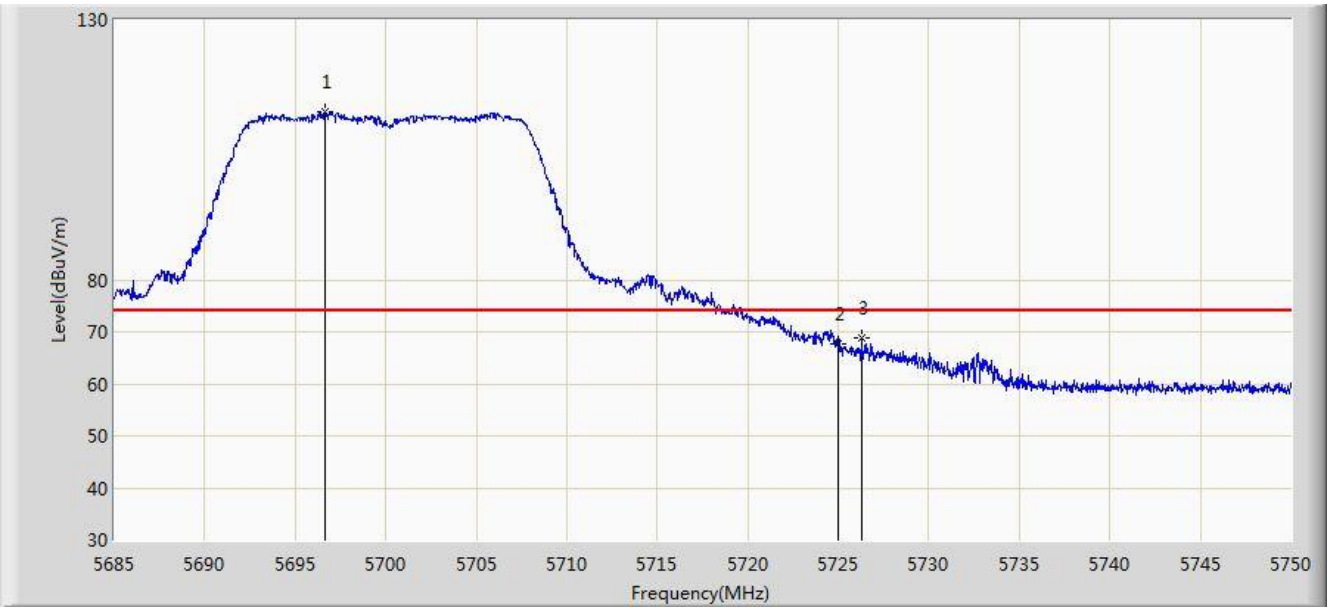


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.467	42.287	-7.533	54.000	4.180	AV
2			5470.000	48.765	44.563	-5.235	54.000	4.202	AV
3			5502.360	95.522	91.243	N/A	N/A	4.278	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0	

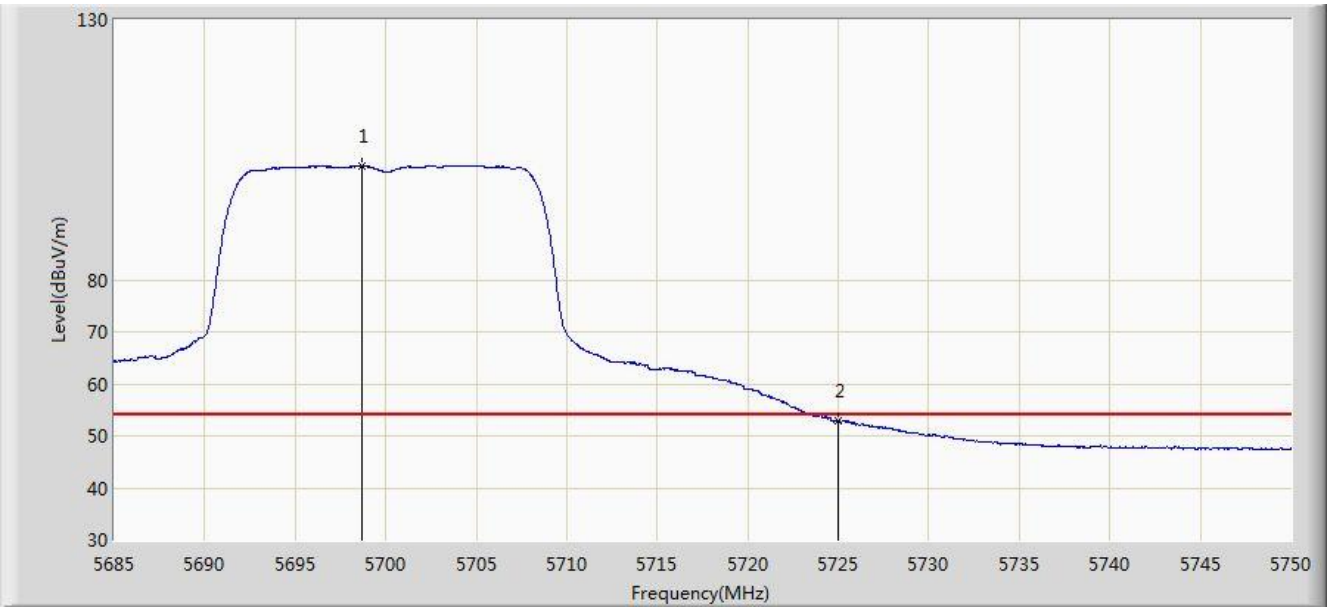


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5696.667	112.355	107.494	N/A	N/A	4.860	PK
2			5725.000	67.622	62.593	-6.378	74.000	5.029	PK
3			5726.275	68.807	63.770	-5.193	74.000	5.037	PK

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

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

Site: AC1	Time: 2017/12/09 - 15:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0	

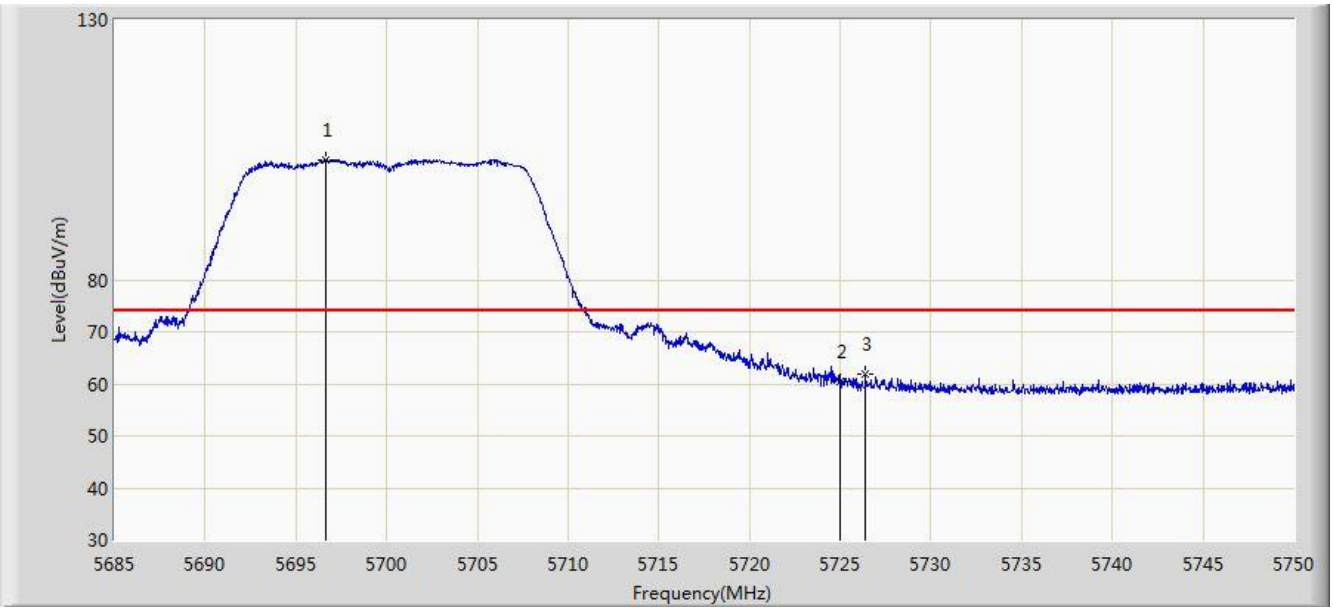


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5698.683	101.921	97.050	N/A	N/A	4.871	AV
2			5725.000	52.839	47.810	-1.161	54.000	5.029	AV

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

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

Site: AC1	Time: 2017/12/09 - 15:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module ID US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5696.667	103.148	98.287	N/A	N/A	4.860	PK
2			5725.000	60.427	55.398	-13.573	74.000	5.029	PK
3			5726.405	61.786	56.748	-12.214	74.000	5.038	PK

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

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