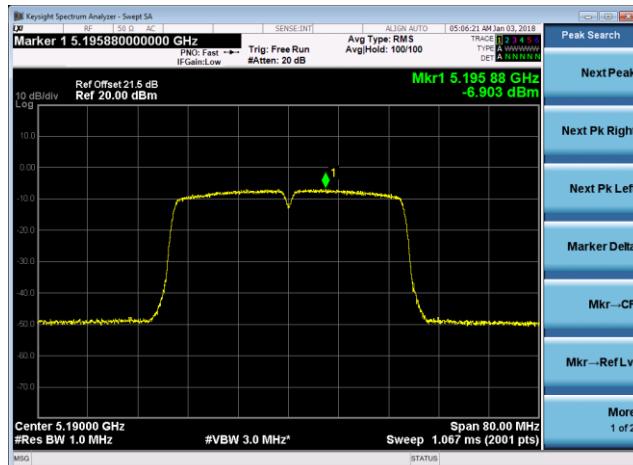
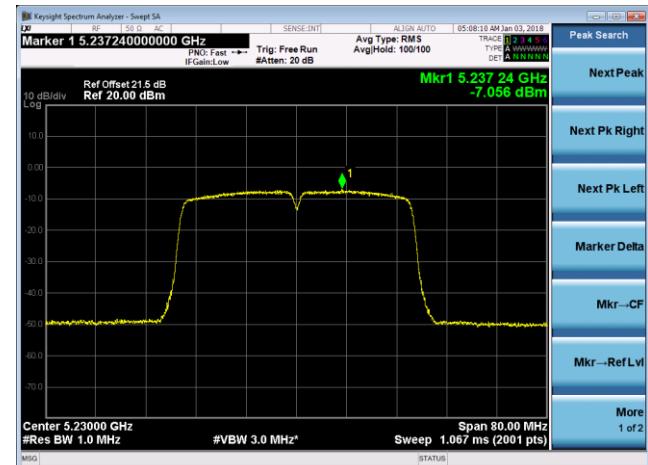


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)

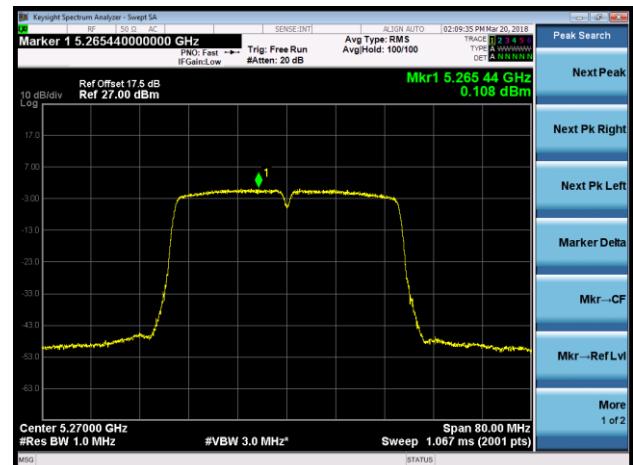
Channel 38 (5190MHz)



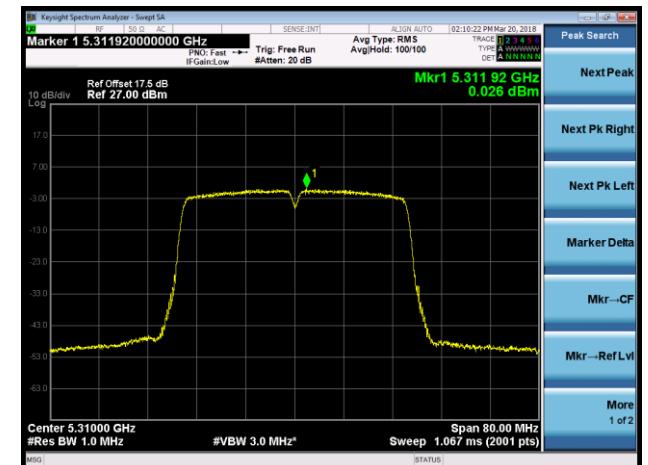
Channel 46 (5230MHz)



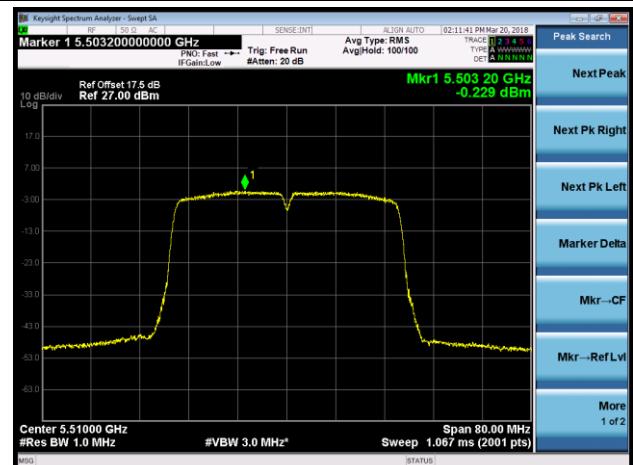
Channel 54 (5270MHz)



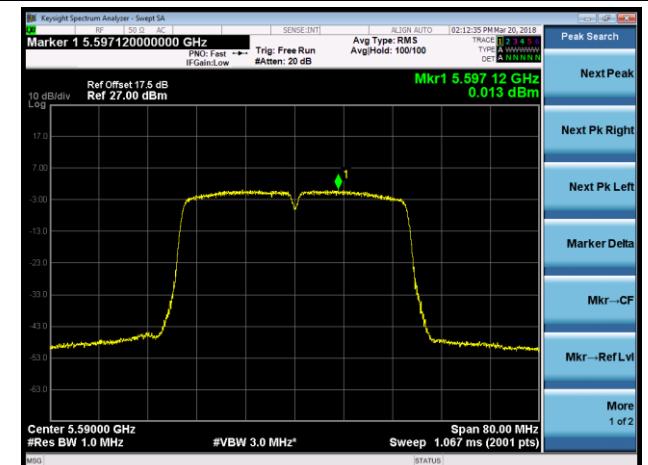
Channel 62 (5310MHz)



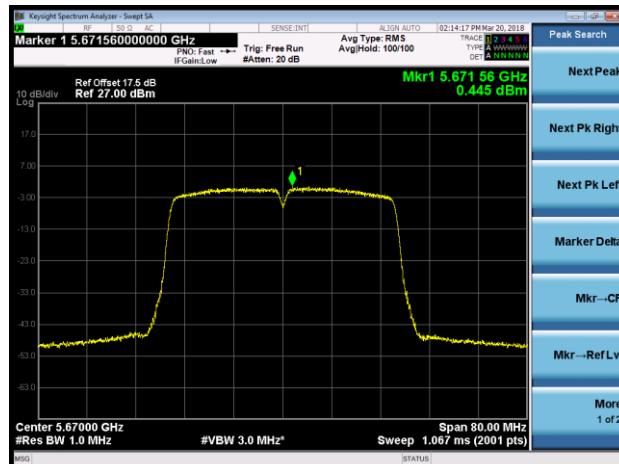
Channel 102 (5510MHz)



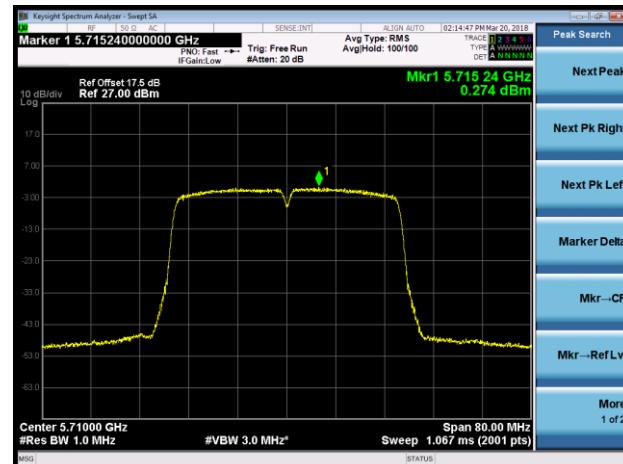
Channel 118 (5590MHz)



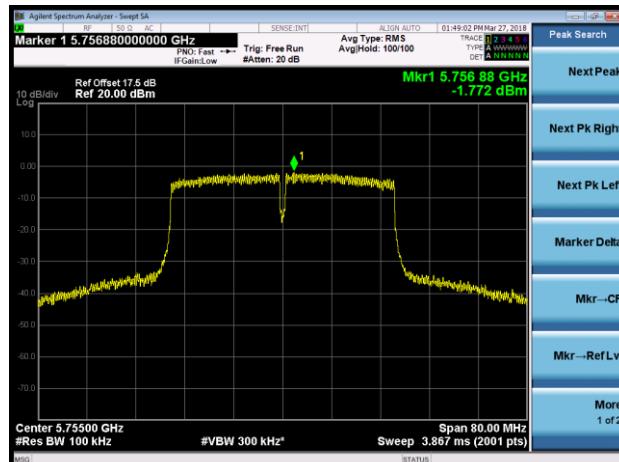
Channel 134 (5670MHz)



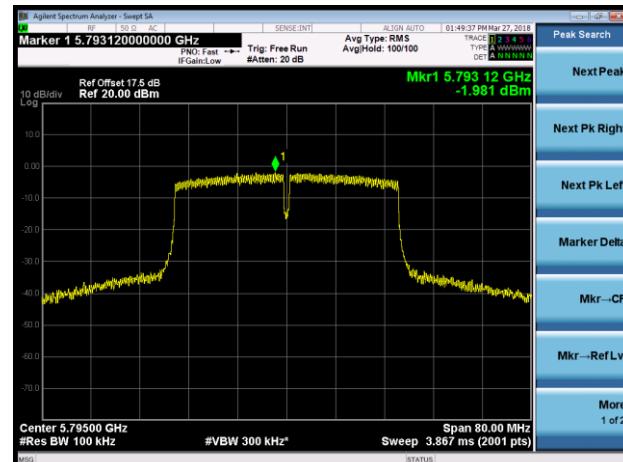
Channel 142 (5710MHz)



Channel 151 (5755MHz)

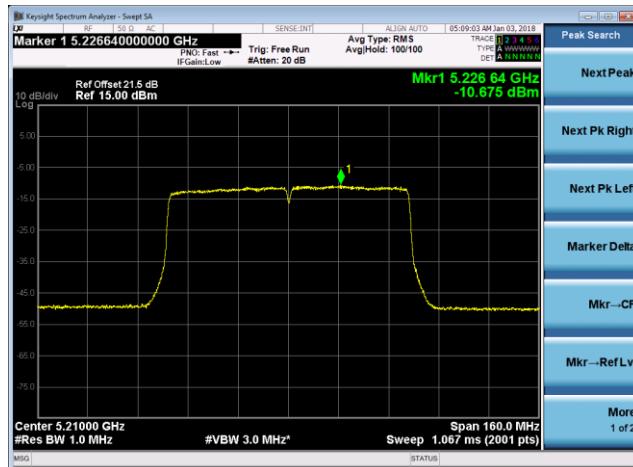


Channel 159 (5795MHz)

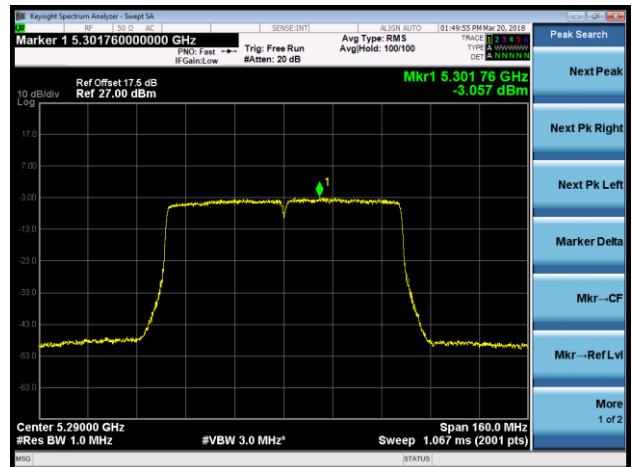


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)

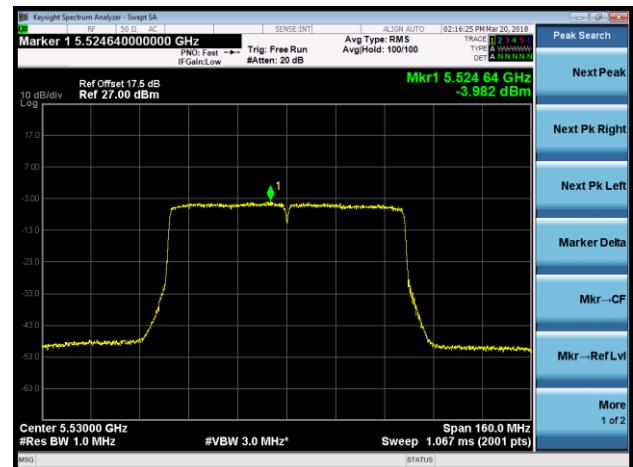
Channel 42 (5210MHz)



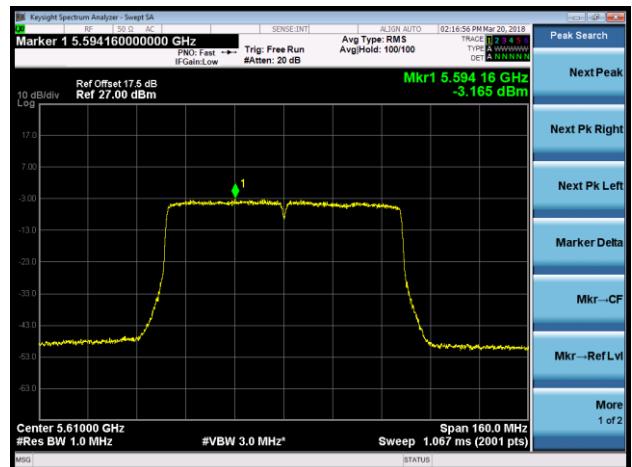
Channel 58 (5290MHz)



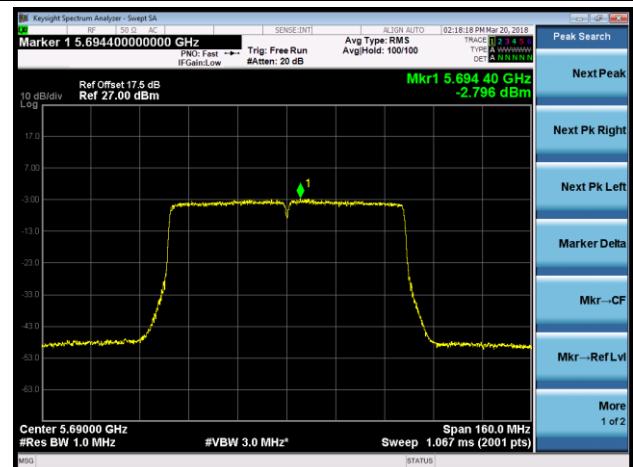
Channel 106 (5530MHz)



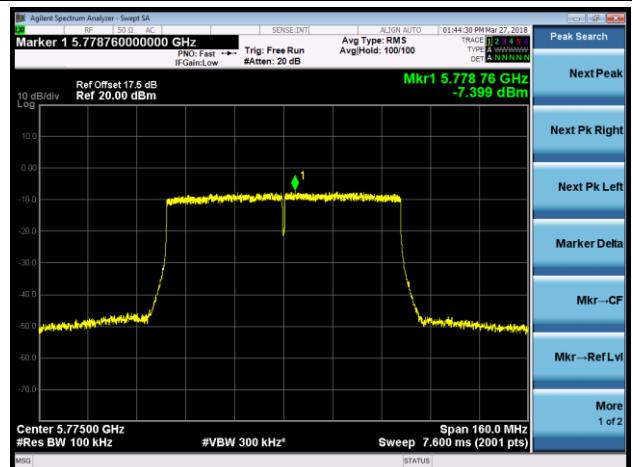
Channel 122 (5610MHz)



Channel 138 (5690MHz)



Channel 155 (5775MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

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

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

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

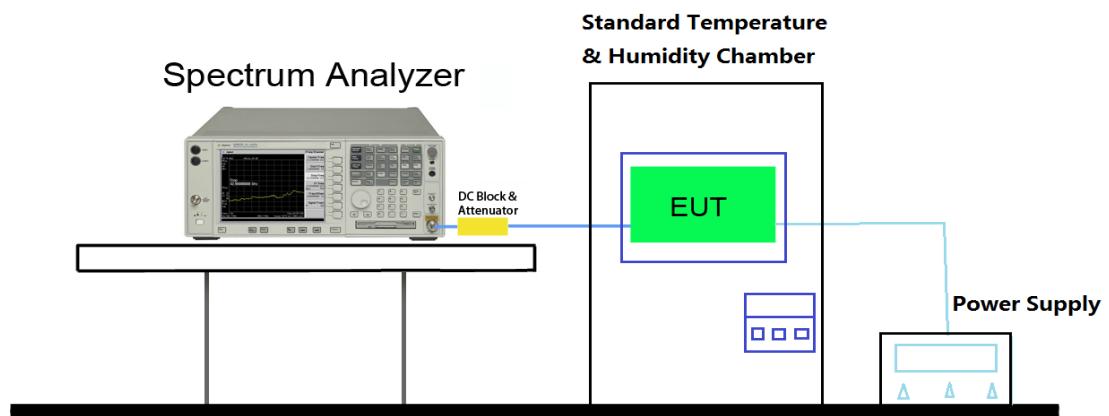
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

Frequency Stability Under Voltage Variations:

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

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.7.3. Test Setup



7.7.4. Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2017/12/02	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-3.20	-3.59	-5.18	-5.91
		- 20	-3.91	-4.29	-5.26	-5.60
		- 10	-4.54	-4.93	-5.66	-5.97
		0	-4.98	-5.69	-6.83	-6.56
		+ 10	-5.68	-6.35	-7.81	-7.74
		+ 20 (Ref)	-5.90	-6.29	-8.16	-8.70
		+ 30	-6.57	-7.48	-8.36	-8.82
		+ 40	-7.06	-8.02	-8.77	-9.63
		+ 50	-7.55	-8.44	-8.88	-9.19
115%	138	+ 20	-6.73	-6.86	-8.69	-8.62
85%	102	+ 20	-5.56	-6.46	-8.17	-8.73

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

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 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 = as specified in Table 1
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

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

Peak Measurements above 1GHz

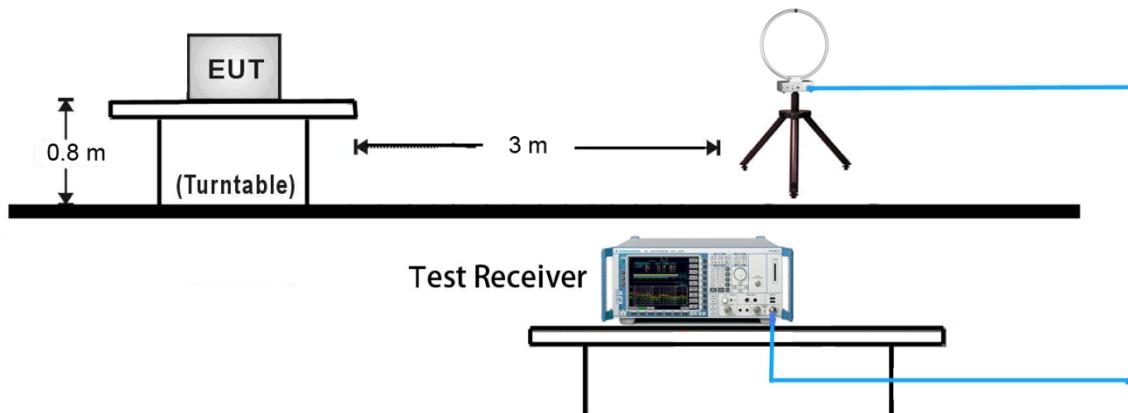
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

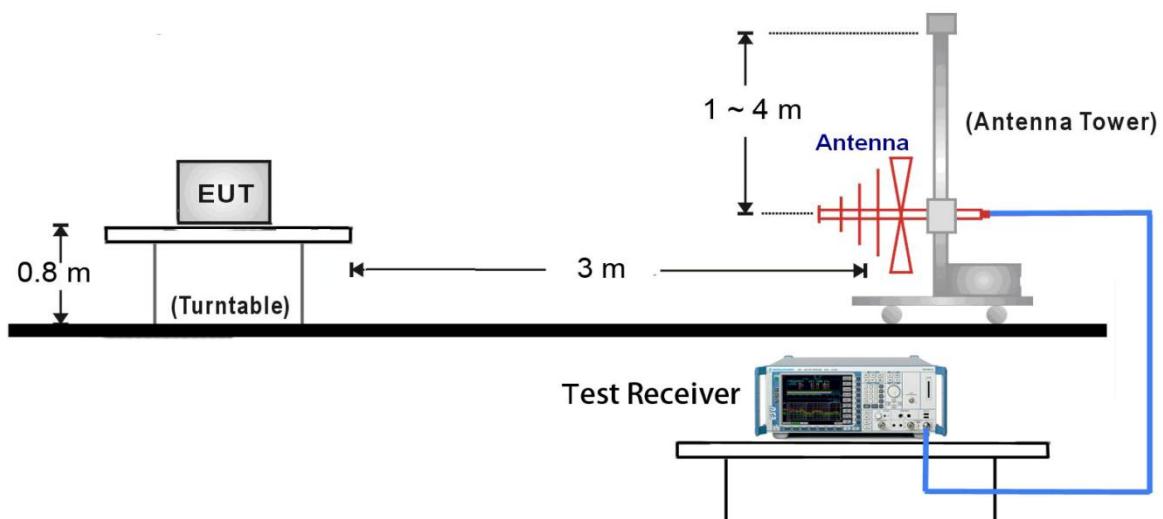
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

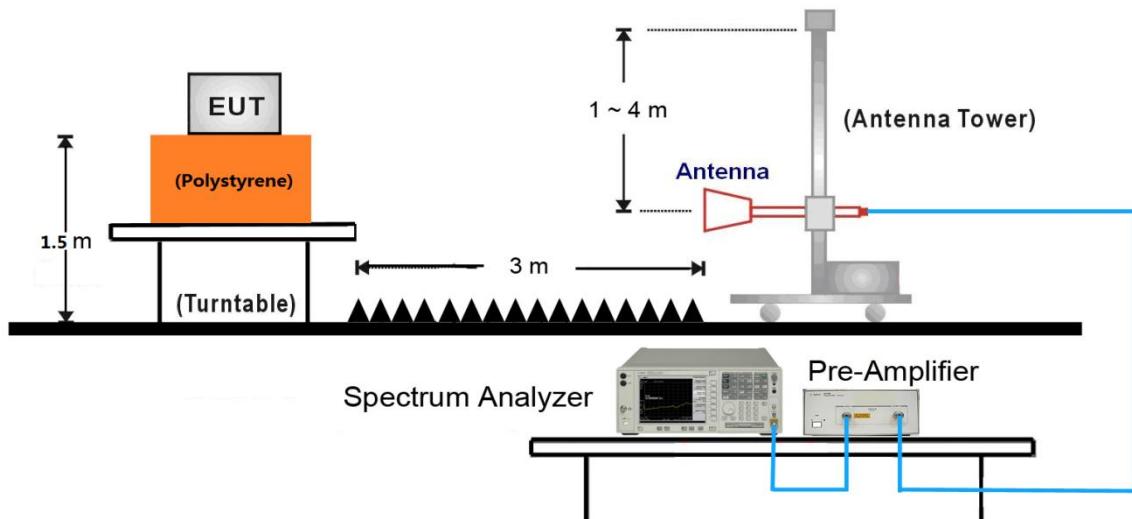
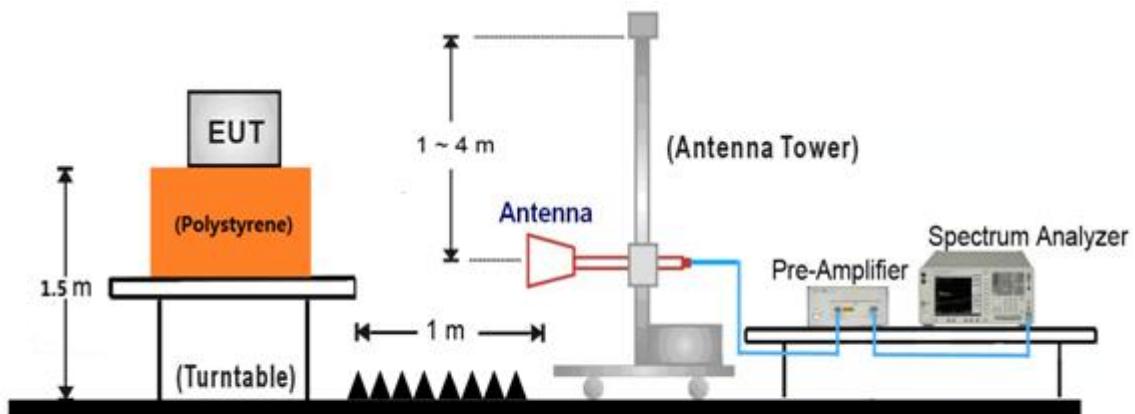
7.8.4. Test Setup

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 OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8318.5	30.9	11.9	42.8	74.0	-31.2	Peak	Horizontal
	9109.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
*	10316.0	32.2	16.7	48.9	68.2	-19.3	Peak	Horizontal
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Horizontal
	8318.5	30.9	11.9	42.8	74.0	-31.2	Peak	Vertical
	9304.5	31.3	14.7	46.0	74.0	-28.0	Peak	Vertical
*	10324.5	30.0	16.7	46.7	68.2	-21.5	Peak	Vertical
*	12908.5	28.3	19.5	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	31.4	12.7	44.1	74.0	-29.9	Peak	Horizontal
	8310.0	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	10265.0	31.2	16.5	47.7	68.2	-20.5	Peak	Horizontal
*	12908.5	28.3	19.5	47.8	68.2	-20.4	Peak	Horizontal
	7434.5	31.4	12.7	44.1	74.0	-29.9	Peak	Vertical
	8242.0	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
*	10511.5	32.4	17.2	49.6	68.2	-18.6	Peak	Vertical
*	12883.0	30.3	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7392.0	31.7	12.6	44.3	74.0	-29.7	Peak	Horizontal
	8412.0	32.3	12.3	44.6	74.0	-29.4	Peak	Horizontal
*	10069.5	32.0	15.6	47.6	68.2	-20.6	Peak	Horizontal
*	12883.0	30.3	19.4	49.7	68.2	-18.5	Peak	Horizontal
	7392.0	31.7	12.6	44.3	74.0	-29.7	Peak	Vertical
	8199.5	31.7	12.0	43.7	74.0	-30.3	Peak	Vertical
*	9925.0	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	13070.0	28.7	20.0	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	33.3	12.8	46.1	74.0	-27.9	Peak	Horizontal
	9194.0	32.0	14.7	46.7	74.0	-27.3	Peak	Horizontal
*	10256.5	31.8	16.5	48.3	68.2	-19.9	Peak	Horizontal
*	13070.0	28.7	20.0	48.7	68.2	-19.5	Peak	Horizontal
	7502.5	33.3	12.8	46.1	74.0	-27.9	Peak	Vertical
	8471.5	31.7	12.6	44.3	74.0	-29.7	Peak	Vertical
*	10035.5	31.2	15.5	46.7	68.2	-21.5	Peak	Vertical
*	12840.5	29.4	19.2	48.6	68.2	-19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	31.5	12.6	44.1	74.0	-29.9	Peak	Horizontal
	8276.0	31.2	11.9	43.1	74.0	-30.9	Peak	Horizontal
*	10146.0	31.5	16.0	47.5	68.2	-20.7	Peak	Horizontal
*	12840.5	29.4	19.2	48.6	68.2	-19.6	Peak	Horizontal
	7400.5	31.5	12.6	44.1	74.0	-29.9	Peak	Vertical
	8420.5	31.2	12.3	43.5	74.0	-30.5	Peak	Vertical
*	10086.5	30.4	15.7	46.1	68.2	-22.1	Peak	Vertical
*	12917.0	30.0	19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	31.2	12.8	44.0	74.0	-30.0	Peak	Horizontal
	8318.5	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
*	10316.0	33.2	16.7	49.9	68.2	-18.3	Peak	Horizontal
*	12849.0	29.6	19.2	48.8	68.2	-19.4	Peak	Horizontal
	9151.5	30.4	14.7	45.1	74.0	-28.9	Peak	Vertical
	11650.5	32.1	19.3	51.4	74.0	-22.6	Peak	Vertical
*	12951.0	28.7	19.7	48.4	68.2	-19.8	Peak	Vertical
*	13911.5	29.3	22.4	51.7	68.2	-16.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9194.0	31.7	14.7	46.4	74.0	-27.6	Peak	Horizontal
	11404.0	36.2	19.1	55.3	74.0	-18.7	Peak	Horizontal
	11404.0	25.5	19.1	44.6	54.0	-9.4	Average	Horizontal
*	13010.5	29.7	19.9	49.6	68.2	-18.6	Peak	Horizontal
*	13826.5	30.6	22.2	52.8	68.2	-15.4	Peak	Horizontal
	9100.5	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	11402.3	38.7	19.1	57.8	74.0	-16.2	Peak	Vertical
	11402.3	28.1	19.1	47.2	54.0	-6.8	Average	Vertical
*	12900.0	29.1	19.5	48.6	68.2	-19.6	Peak	Vertical
*	13418.5	30.4	21.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9423.5	30.6	14.5	45.1	74.0	-28.9	Peak	Horizontal
	11446.5	40.8	19.2	60.0	74.0	-14.0	Peak	Horizontal
	11446.5	31.5	19.2	50.7	54.0	-3.3	Average	Horizontal
*	12891.5	29.2	19.4	48.6	68.2	-19.6	Peak	Horizontal
*	13461.0	28.6	21.6	50.2	68.2	-18.0	Peak	Horizontal
	9449.0	32.0	14.4	46.4	74.0	-27.6	Peak	Vertical
	11440.3	43.3	19.2	62.5	74.0	-11.5	Peak	Vertical
	11440.3	32.0	19.2	51.2	54.0	-2.8	Average	Vertical
*	12823.5	30.0	19.2	49.2	68.2	-19.0	Peak	Vertical
*	13486.5	29.9	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7485.5	31.0	12.8	43.8	74.0	-30.2	Peak	Horizontal
	8386.5	31.0	12.1	43.1	74.0	-30.9	Peak	Horizontal
*	10239.5	29.5	16.4	45.9	68.2	-22.3	Peak	Horizontal
*	12738.5	28.4	18.9	47.3	68.2	-20.9	Peak	Horizontal
	7426.0	32.3	12.7	45.0	74.0	-29.0	Peak	Vertical
	8301.5	32.7	11.9	44.6	74.0	-29.4	Peak	Vertical
*	10027.0	31.9	15.4	47.3	68.2	-20.9	Peak	Vertical
*	12738.5	28.4	18.9	47.3	68.2	-20.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7494.0	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	9908.0	30.4	15.3	45.7	68.2	-22.5	Peak	Horizontal
*	12951.0	29.2	19.7	48.9	68.2	-19.3	Peak	Horizontal
	8131.5	32.0	12.2	44.2	74.0	-29.8	Peak	Vertical
	9381.0	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
*	10205.5	31.7	16.2	47.9	68.2	-20.3	Peak	Vertical
*	12951.0	29.2	19.7	48.9	68.2	-19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8131.5	32.0	12.2	44.2	74.0	-29.8	Peak	Horizontal
	9449.0	32.0	14.4	46.4	74.0	-27.6	Peak	Horizontal
*	10477.5	30.5	17.1	47.6	68.2	-20.6	Peak	Horizontal
*	12900.0	29.6	19.5	49.1	68.2	-19.1	Peak	Horizontal
	7485.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8276.0	31.5	11.9	43.4	74.0	-30.6	Peak	Vertical
*	9984.5	29.7	15.4	45.1	68.2	-23.1	Peak	Vertical
*	12900.0	29.6	19.5	49.1	68.2	-19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	8386.5	31.4	12.1	43.5	74.0	-30.5	Peak	Horizontal
*	9797.5	30.3	15.1	45.4	68.2	-22.8	Peak	Horizontal
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Horizontal
	7460.0	33.5	12.8	46.3	74.0	-27.7	Peak	Vertical
	8301.5	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
*	9950.5	31.0	15.3	46.3	68.2	-21.9	Peak	Vertical
*	12925.5	29.5	19.6	49.1	68.2	-19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7341.0	31.0	12.4	43.4	74.0	-30.6	Peak	Horizontal
	8463.0	31.7	12.6	44.3	74.0	-29.7	Peak	Horizontal
*	10120.5	31.3	15.8	47.1	68.2	-21.1	Peak	Horizontal
*	12959.5	29.0	19.7	48.7	68.2	-19.5	Peak	Horizontal
	7341.0	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
	8276.0	31.8	11.9	43.7	74.0	-30.3	Peak	Vertical
*	9933.5	30.2	15.3	45.5	68.2	-22.7	Peak	Vertical
*	12789.5	29.9	19.0	48.9	68.2	-19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8199.5	31.3	12.0	43.3	74.0	-30.7	Peak	Horizontal
	11399.8	38.1	19.1	57.2	74.0	-16.8	Peak	Horizontal
	11399.8	27.2	19.1	46.3	54.0	-7.7	Average	Horizontal
*	13087.0	29.3	20.1	49.4	68.2	-18.8	Peak	Horizontal
*	13452.5	29.5	21.6	51.1	68.2	-17.1	Peak	Horizontal
	8242.0	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
	11400.4	39.2	19.1	58.3	74.0	-15.7	Peak	Vertical
	11400.4	28.2	19.1	47.3	54.0	-6.7	Average	Vertical
*	12874.5	29.9	19.3	49.2	68.2	-19.0	Peak	Vertical
*	13537.5	28.8	21.8	50.6	68.2	-17.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8395.0	32.3	12.2	44.5	74.0	-29.5	Peak	Horizontal
	11440.2	40.8	19.2	60.0	74.0	-14.0	Peak	Horizontal
	11440.2	29.5	19.2	48.7	54.0	-5.3	Average	Horizontal
*	12900.0	28.6	19.5	48.1	68.2	-20.1	Peak	Horizontal
*	13605.5	29.4	21.8	51.2	68.2	-17.0	Peak	Horizontal
	8352.5	33.1	12.0	45.1	74.0	-28.9	Peak	Vertical
	11440.1	42.6	19.2	61.8	74.0	-12.2	Peak	Vertical
	11440.1	31.9	19.2	51.1	54.0	-2.9	Average	Vertical
*	12968.0	30.2	19.8	50.0	68.2	-18.2	Peak	Vertical
*	13495.0	28.3	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8080.5	32.9	12.4	45.3	74.0	-28.7	Peak	Horizontal
	9177.0	30.1	14.7	44.8	74.0	-29.2	Peak	Horizontal
*	10443.5	30.7	17.1	47.8	68.2	-20.4	Peak	Horizontal
*	12747.0	30.1	18.9	49.0	68.2	-19.2	Peak	Horizontal
	8080.5	32.9	12.4	45.3	74.0	-28.7	Peak	Vertical
	9449.0	30.3	14.4	44.7	74.0	-29.3	Peak	Vertical
*	10537.0	31.0	17.2	48.2	68.2	-20.0	Peak	Vertical
*	12857.5	28.7	19.3	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7460.0	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8378.0	32.9	12.1	45.0	74.0	-29.0	Peak	Horizontal
*	10188.5	30.1	16.2	46.3	68.2	-21.9	Peak	Horizontal
*	12857.5	28.7	19.3	48.0	68.2	-20.2	Peak	Horizontal
	7468.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	8378.0	32.9	12.1	45.0	74.0	-29.0	Peak	Vertical
*	9653.0	31.1	14.5	45.6	68.2	-22.6	Peak	Vertical
*	12840.5	28.8	19.2	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7485.5	32.1	12.8	44.9	74.0	-29.1	Peak	Horizontal
	8301.5	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
*	10120.5	32.2	15.8	48.0	68.2	-20.2	Peak	Horizontal
*	12840.5	28.8	19.2	48.0	68.2	-20.2	Peak	Horizontal
	7485.5	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	8310.0	32.6	11.9	44.5	74.0	-29.5	Peak	Vertical
*	9746.5	31.1	14.8	45.9	68.2	-22.3	Peak	Vertical
*	12840.5	30.1	19.2	49.3	68.2	-18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8284.5	32.8	11.9	44.7	74.0	-29.3	Peak	Horizontal
	9355.5	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
*	10316.0	32.1	16.7	48.8	68.2	-19.4	Peak	Horizontal
*	13061.5	28.1	20.0	48.1	68.2	-20.1	Peak	Horizontal
	8284.5	32.8	11.9	44.7	74.0	-29.3	Peak	Vertical
	9483.0	30.1	14.4	44.5	74.0	-29.5	Peak	Vertical
*	10435.0	29.5	17.0	46.5	68.2	-21.7	Peak	Vertical
*	12730.0	29.0	18.8	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8454.5	31.9	12.5	44.4	74.0	-29.6	Peak	Horizontal
	11353.0	31.8	19.0	50.8	74.0	-23.2	Peak	Horizontal
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Horizontal
*	13648.0	28.8	21.8	50.6	68.2	-17.6	Peak	Horizontal
	7477.0	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	9134.5	31.1	14.6	45.7	74.0	-28.3	Peak	Vertical
*	10375.5	32.4	16.9	49.3	68.2	-18.9	Peak	Vertical
*	13648.0	28.8	21.8	50.6	68.2	-17.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9466.0	30.8	14.4	45.2	74.0	-28.8	Peak	Horizontal
	11420.3	37.2	19.1	56.3	74.0	-17.7	Peak	Horizontal
	11420.3	27.1	19.1	46.2	54.0	-7.8	Average	Horizontal
*	12798.0	28.8	19.1	47.9	68.2	-20.3	Peak	Horizontal
*	13665.0	29.2	21.9	51.1	68.2	-17.1	Peak	Horizontal
	8395.0	33.3	12.2	45.5	74.0	-28.5	Peak	Vertical
	11432.3	37.2	19.2	56.4	74.0	-17.6	Peak	Vertical
	11432.3	28.2	19.2	47.4	54.0	-6.6	Average	Vertical
*	12781.0	29.3	19.0	48.3	68.2	-19.9	Peak	Vertical
*	13461.0	28.1	21.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7494.0	32.6	12.8	45.4	74.0	-28.6	Peak	Horizontal
	8369.5	32.8	12.1	44.9	74.0	-29.1	Peak	Horizontal
*	9993.0	30.5	15.4	45.9	68.2	-22.3	Peak	Horizontal
*	12730.0	29.9	18.8	48.7	68.2	-19.5	Peak	Horizontal
	7358.0	32.0	12.4	44.4	74.0	-29.6	Peak	Vertical
	8276.0	31.0	11.9	42.9	74.0	-31.1	Peak	Vertical
*	10052.5	32.7	15.5	48.2	68.2	-20.0	Peak	Vertical
*	12730.0	29.9	18.8	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7358.0	32.0	12.4	44.4	74.0	-29.6	Peak	Horizontal
	8386.5	31.7	12.1	43.8	74.0	-30.2	Peak	Horizontal
*	9942.0	30.4	15.3	45.7	68.2	-22.5	Peak	Horizontal
*	12951.0	29.2	19.7	48.9	68.2	-19.3	Peak	Horizontal
	7434.5	31.8	12.7	44.5	74.0	-29.5	Peak	Vertical
	8250.5	32.6	11.9	44.5	74.0	-29.5	Peak	Vertical
*	10214.0	31.4	16.3	47.7	68.2	-20.5	Peak	Vertical
*	12951.0	29.2	19.7	48.9	68.2	-19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	31.8	12.7	44.5	74.0	-29.5	Peak	Horizontal
	8259.0	32.2	11.9	44.1	74.0	-29.9	Peak	Horizontal
*	9908.0	30.5	15.3	45.8	68.2	-22.4	Peak	Horizontal
*	12968.0	29.1	19.8	48.9	68.2	-19.3	Peak	Horizontal
	7366.5	30.5	12.5	43.0	74.0	-31.0	Peak	Vertical
	8429.0	31.5	12.4	43.9	74.0	-30.1	Peak	Vertical
*	10129.0	32.3	15.9	48.2	68.2	-20.0	Peak	Vertical
*	12968.0	29.1	19.8	48.9	68.2	-19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8386.5	32.8	12.1	44.9	74.0	-29.1	Peak	Horizontal
*	9670.0	32.1	14.5	46.6	68.2	-21.6	Peak	Horizontal
*	12832.0	30.8	19.2	50.0	68.2	-18.2	Peak	Horizontal
	7468.5	33.0	12.8	45.8	74.0	-28.2	Peak	Vertical
	8471.5	32.5	12.6	45.1	74.0	-28.9	Peak	Vertical
*	10035.5	32.5	15.5	48.0	68.2	-20.2	Peak	Vertical
*	12832.0	30.8	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7655.5	33.1	12.5	45.6	74.0	-28.4	Peak	Horizontal
	9398.0	31.1	14.5	45.6	74.0	-28.4	Peak	Horizontal
*	10265.0	30.4	16.5	46.9	68.2	-21.3	Peak	Horizontal
*	12730.0	28.5	18.8	47.3	68.2	-20.9	Peak	Horizontal
	7460.0	33.2	12.8	46.0	74.0	-28.0	Peak	Vertical
	8497.0	32.2	12.8	45.0	74.0	-29.0	Peak	Vertical
*	9899.5	30.7	15.4	46.1	68.2	-22.1	Peak	Vertical
*	12857.5	30.1	19.3	49.4	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8267.5	32.3	11.9	44.2	74.0	-29.8	Peak	Horizontal
	11400.4	39.1	19.1	58.2	74.0	-15.8	Peak	Horizontal
	11400.4	25.4	19.1	44.5	54.0	-9.5	Average	Horizontal
*	12781.0	31.5	19.0	50.5	68.2	-17.7	Peak	Horizontal
*	13554.5	29.4	21.9	51.3	68.2	-16.9	Peak	Horizontal
	9041.0	32.5	14.2	46.7	74.0	-27.3	Peak	Vertical
	11400.0	38.8	19.1	57.9	74.0	-16.1	Peak	Vertical
	11400.0	27.1	19.1	46.2	54.0	-7.8	Average	Vertical
*	12849.0	31.6	19.2	50.8	68.2	-17.4	Peak	Vertical
*	13546.0	29.2	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8480.0	32.0	12.7	44.7	74.0	-29.3	Peak	Horizontal
	11439.5	39.8	19.2	59.0	74.0	-15.0	Peak	Horizontal
	11439.5	30.0	19.2	49.2	54.0	-4.8	Average	Horizontal
*	12857.5	30.0	19.3	49.3	68.2	-18.9	Peak	Horizontal
*	13758.5	29.8	22.0	51.8	68.2	-16.4	Peak	Horizontal
	8352.5	32.2	12.0	44.2	74.0	-29.8	Peak	Vertical
	11443.6	42.1	19.2	61.3	74.0	-12.7	Peak	Vertical
	11443.6	32.7	19.2	51.9	54.0	-2.1	Average	Vertical
*	12815.0	28.6	19.1	47.7	68.2	-20.5	Peak	Vertical
*	13605.5	30.0	21.8	51.8	68.2	-16.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7536.5	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	8310.0	31.8	11.9	43.7	74.0	-30.3	Peak	Horizontal
*	10282.0	32.1	16.5	48.6	68.2	-19.6	Peak	Horizontal
*	12951.0	28.8	19.7	48.5	68.2	-19.7	Peak	Horizontal
	7536.5	31.4	12.8	44.2	74.0	-29.8	Peak	Vertical
	8318.5	31.1	11.9	43.0	74.0	-31.0	Peak	Vertical
*	10018.5	30.5	15.4	45.9	68.2	-22.3	Peak	Vertical
*	12891.5	28.7	19.4	48.1	68.2	-20.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7536.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8463.0	30.9	12.6	43.5	74.0	-30.5	Peak	Horizontal
*	10282.0	31.0	16.5	47.5	68.2	-20.7	Peak	Horizontal
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Horizontal
	7536.5	32.5	12.8	45.3	74.0	-28.7	Peak	Vertical
	8429.0	30.5	12.4	42.9	74.0	-31.1	Peak	Vertical
*	9797.5	30.2	15.1	45.3	68.2	-22.9	Peak	Vertical
*	12789.5	29.0	19.0	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	32.6	12.8	45.4	74.0	-28.6	Peak	Horizontal
	8361.0	32.8	12.0	44.8	74.0	-29.2	Peak	Horizontal
*	9950.5	32.0	15.3	47.3	68.2	-20.9	Peak	Horizontal
*	12789.5	29.0	19.0	48.0	68.2	-20.2	Peak	Horizontal
	7502.5	32.6	12.8	45.4	74.0	-28.6	Peak	Vertical
	8471.5	31.4	12.6	44.0	74.0	-30.0	Peak	Vertical
*	9933.5	30.0	15.3	45.3	68.2	-22.9	Peak	Vertical
*	12959.5	29.0	19.7	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7443.0	31.2	12.7	43.9	74.0	-30.1	Peak	Horizontal
	8386.5	30.9	12.1	43.0	74.0	-31.0	Peak	Horizontal
*	10069.5	31.3	15.6	46.9	68.2	-21.3	Peak	Horizontal
*	12704.5	27.9	18.8	46.7	68.2	-21.5	Peak	Horizontal
	7417.5	31.8	12.6	44.4	74.0	-29.6	Peak	Vertical
	8310.0	32.3	11.9	44.2	74.0	-29.8	Peak	Vertical
*	10035.5	30.9	15.5	46.4	68.2	-21.8	Peak	Vertical
*	12704.5	27.9	18.8	46.7	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7417.5	31.8	12.6	44.4	74.0	-29.6	Peak	Horizontal
	8463.0	30.9	12.6	43.5	74.0	-30.5	Peak	Horizontal
*	9993.0	30.4	15.4	45.8	68.2	-22.4	Peak	Horizontal
*	12840.5	29.0	19.2	48.2	68.2	-20.0	Peak	Horizontal
	7468.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	8463.0	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
*	10154.5	30.2	16.0	46.2	68.2	-22.0	Peak	Vertical
*	12840.5	29.0	19.2	48.2	68.2	-20.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9398.0	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	11420.3	37.9	19.2	57.1	74.0	-16.9	Peak	Horizontal
	11420.3	27.3	19.1	46.4	54.0	-7.6	Average	Horizontal
*	12721.5	29.3	18.8	48.1	68.2	-20.1	Peak	Horizontal
*	13631.0	29.0	21.8	50.8	68.2	-17.4	Peak	Horizontal
	7536.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
	11427.8	38.5	19.2	57.7	74.0	-16.3	Peak	Vertical
	11427.8	28.3	19.2	47.5	54.0	-6.5	Average	Vertical
*	12798.0	29.8	19.1	48.9	68.2	-19.3	Peak	Vertical
*	13435.5	29.9	21.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7511.0	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	8454.5	30.6	12.5	43.1	74.0	-30.9	Peak	Horizontal
*	9857.0	31.0	16.2	47.2	68.2	-21.0	Peak	Horizontal
*	12815.0	28.6	19.1	47.7	68.2	-20.5	Peak	Horizontal
	7468.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	8310.0	31.8	11.9	43.7	74.0	-30.3	Peak	Vertical
*	9644.5	31.8	14.4	46.2	68.2	-22.0	Peak	Vertical
*	12815.0	28.6	19.1	47.7	68.2	-20.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	31.8	12.8	44.6	74.0	-29.4	Peak	Horizontal
	8446.0	31.4	12.5	43.9	74.0	-30.1	Peak	Horizontal
*	9993.0	32.0	15.4	47.4	68.2	-20.8	Peak	Horizontal
*	12789.5	29.9	19.0	48.9	68.2	-19.3	Peak	Horizontal
	7468.5	31.3	12.8	44.1	74.0	-29.9	Peak	Vertical
	8386.5	32.0	12.1	44.1	74.0	-29.9	Peak	Vertical
*	10171.5	32.1	16.1	48.2	68.2	-20.0	Peak	Vertical
*	12789.5	29.9	19.0	48.9	68.2	-19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	31.3	12.8	44.1	74.0	-29.9	Peak	Horizontal
	8199.5	31.3	12.0	43.3	74.0	-30.7	Peak	Horizontal
*	10078.0	29.9	15.6	45.5	68.2	-22.7	Peak	Horizontal
*	13010.5	30.4	19.9	50.3	68.2	-17.9	Peak	Horizontal
	7536.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8378.0	33.0	12.1	45.1	74.0	-28.9	Peak	Vertical
*	10350.0	31.2	16.8	48.0	68.2	-20.2	Peak	Vertical
*	13010.5	30.4	19.9	50.3	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/09
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9423.5	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	11395.5	33.2	19.1	52.3	74.0	-21.7	Peak	Horizontal
*	12721.5	29.9	18.8	48.7	68.2	-19.5	Peak	Horizontal
*	13563.0	28.7	21.8	50.5	68.2	-17.7	Peak	Horizontal
	9338.5	31.5	14.6	46.1	74.0	-27.9	Peak	Vertical
	11388.1	35.2	19.1	54.3	74.0	-19.7	Peak	Vertical
	11388.1	24.4	19.1	43.5	54.0	-10.5	Average	Vertical
*	12781.0	30.2	19.0	49.2	68.2	-19.0	Peak	Vertical
*	13665.0	29.2	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	32.0	12.7	44.7	74.0	-29.3	Peak	Horizontal
	8471.5	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
*	10035.5	32.9	15.5	48.4	68.2	-19.8	Peak	Horizontal
*	12772.5	29.8	19.0	48.8	68.2	-19.4	Peak	Horizontal
	7434.5	32.0	12.7	44.7	74.0	-29.3	Peak	Vertical
	8395.0	31.4	12.2	43.6	74.0	-30.4	Peak	Vertical
*	9678.5	31.1	14.6	45.7	68.2	-22.5	Peak	Vertical
*	12857.5	28.7	19.3	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7460.0	32.7	12.8	45.5	74.0	-28.5	Peak	Horizontal
	8276.0	31.3	11.9	43.2	74.0	-30.8	Peak	Horizontal
*	10163.0	32.3	16.0	48.3	68.2	-19.9	Peak	Horizontal
*	12857.5	28.7	19.3	48.0	68.2	-20.2	Peak	Horizontal
	8386.5	30.8	12.1	42.9	74.0	-31.1	Peak	Vertical
	10596.5	34.7	17.3	52.0	74.0	-22.0	Peak	Vertical
*	12781.0	29.8	19.0	48.8	68.2	-19.4	Peak	Vertical
*	13520.5	29.9	21.8	51.7	68.2	-16.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7332.5	33.1	12.4	45.5	74.0	-28.5	Peak	Horizontal
	8480.0	32.4	12.7	45.1	74.0	-28.9	Peak	Horizontal
*	10282.0	33.7	16.5	50.2	68.2	-18.0	Peak	Horizontal
*	12798.0	29.4	19.1	48.5	68.2	-19.7	Peak	Horizontal
	7502.5	32.4	12.8	45.2	74.0	-28.8	Peak	Vertical
	8471.5	32.3	12.6	44.9	74.0	-29.1	Peak	Vertical
*	10205.5	32.0	16.2	48.2	68.2	-20.0	Peak	Vertical
*	12798.0	29.4	19.1	48.5	68.2	-19.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8429.0	31.1	12.4	43.5	74.0	-30.5	Peak	Horizontal
	10996.0	34.2	18.5	52.7	74.0	-21.3	Peak	Horizontal
	11000.2	22.9	18.5	41.4	54.0	-12.6	Peak	Horizontal
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Horizontal
*	13495.0	29.5	21.7	51.2	68.2	-17.0	Peak	Horizontal
	7332.5	32.3	12.4	44.7	74.0	-29.3	Peak	Vertical
	8352.5	31.2	12.0	43.2	74.0	-30.8	Peak	Vertical
*	10086.5	30.5	15.7	46.2	68.2	-22.0	Peak	Vertical
*	12721.5	29.5	18.8	48.3	68.2	-19.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9177.0	32.1	14.7	46.8	74.0	-27.2	Peak	Horizontal
	11200.0	37.9	18.7	56.6	74.0	-17.4	Peak	Horizontal
	11200.0	29.8	18.7	48.5	54.0	-5.5	Average	Horizontal
*	12840.5	29.7	19.2	48.9	68.2	-19.3	Peak	Horizontal
*	13614.0	29.1	21.8	50.9	68.2	-17.3	Peak	Horizontal
	9177.0	32.1	14.7	46.8	74.0	-27.2	Peak	Vertical
	11198.5	37.5	18.7	56.2	74.0	-17.8	Peak	Vertical
	11198.5	27.6	18.7	46.3	54.0	-7.7	Average	Vertical
*	12755.5	29.2	18.9	48.1	68.2	-20.1	Peak	Vertical
*	13690.5	29.1	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9134.5	30.9	14.6	45.5	74.0	-28.5	Peak	Horizontal
	11399.8	37.5	19.1	56.6	74.0	-17.4	Peak	Horizontal
	11399.8	27.2	19.1	46.3	54.0	-7.7	Average	Horizontal
*	12857.5	28.9	19.3	48.2	68.2	-20.0	Peak	Horizontal
*	13665.0	29.4	21.9	51.3	68.2	-16.9	Peak	Horizontal
	9491.5	32.4	14.4	46.8	74.0	-27.2	Peak	Vertical
	11399.9	42.4	19.1	61.5	74.0	-12.5	Peak	Vertical
	11399.9	32.0	19.1	51.1	54.0	-2.9	Average	Vertical
*	12891.5	29.9	19.4	49.3	68.2	-18.9	Peak	Vertical
*	13665.0	29.4	21.9	51.3	68.2	-16.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9491.5	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	11438.4	39.3	19.2	58.5	74.0	-15.5	Peak	Horizontal
	11438.4	29.7	19.2	48.9	54.0	-5.1	Average	Horizontal
*	12806.5	28.9	19.1	48.0	68.2	-20.2	Peak	Horizontal
*	13546.0	28.8	21.9	50.7	68.2	-17.5	Peak	Horizontal
	9466.0	32.4	14.4	46.8	74.0	-27.2	Peak	Vertical
	11438.5	43.7	19.2	62.9	74.0	-11.1	Peak	Vertical
	11438.5	34.2	19.2	53.4	54.0	-0.6	Average	Vertical
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical
*	13546.0	28.8	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7409.0	33.6	12.6	46.2	74.0	-27.8	Peak	Horizontal
	8301.5	33.4	11.9	45.3	74.0	-28.7	Peak	Horizontal
*	9712.5	32.9	14.7	47.6	68.2	-20.6	Peak	Horizontal
*	12874.5	30.2	19.3	49.5	68.2	-18.7	Peak	Horizontal
	7468.5	33.5	12.8	46.3	74.0	-27.7	Peak	Vertical
	8352.5	31.9	12.0	43.9	74.0	-30.1	Peak	Vertical
*	10163.0	30.4	16.0	46.4	68.2	-21.8	Peak	Vertical
*	12874.5	30.2	19.3	49.5	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	32.3	12.8	45.1	74.0	-28.9	Peak	Horizontal
	8310.0	31.5	11.9	43.4	74.0	-30.6	Peak	Horizontal
*	10571.0	33.2	17.3	50.5	68.2	-17.7	Peak	Horizontal
*	12849.0	30.7	19.2	49.9	68.2	-18.3	Peak	Horizontal
	8199.5	32.0	12.0	44.0	74.0	-30.0	Peak	Vertical
	10605.0	34.7	17.3	52.0	74.0	-22.0	Peak	Vertical
*	12874.5	29.1	19.3	48.4	68.2	-19.8	Peak	Vertical
*	13486.5	29.5	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	31.6	12.6	44.2	74.0	-29.8	Peak	Horizontal
	8276.0	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	9593.5	31.6	14.4	46.0	68.2	-22.2	Peak	Horizontal
*	12891.5	28.8	19.4	48.2	68.2	-20.0	Peak	Horizontal
	7511.0	31.5	12.8	44.3	74.0	-29.7	Peak	Vertical
	8369.5	32.9	12.1	45.0	74.0	-29.0	Peak	Vertical
*	10120.5	31.8	15.8	47.6	68.2	-20.6	Peak	Vertical
*	12891.5	28.8	19.4	48.2	68.2	-20.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7511.0	31.5	12.8	44.3	74.0	-29.7	Peak	Horizontal
	8361.0	32.4	12.0	44.4	74.0	-29.6	Peak	Horizontal
*	9942.0	30.5	15.3	45.8	68.2	-22.4	Peak	Horizontal
*	12764.0	28.9	19.0	47.9	68.2	-20.3	Peak	Horizontal
	7392.0	31.9	12.6	44.5	74.0	-29.5	Peak	Vertical
	8344.0	31.9	12.0	43.9	74.0	-30.1	Peak	Vertical
*	10239.5	30.2	16.4	46.6	68.2	-21.6	Peak	Vertical
*	12764.0	28.9	19.0	47.9	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8301.5	33.3	11.9	45.2	74.0	-28.8	Peak	Horizontal
	11199.6	37.5	18.7	56.2	74.0	-17.8	Peak	Horizontal
	11199.6	29.1	18.7	47.8	54.0	-6.2	Average	Horizontal
*	12857.5	30.1	19.3	49.4	68.2	-18.8	Peak	Horizontal
*	13673.5	29.7	21.9	51.6	68.2	-16.6	Peak	Horizontal
	8301.5	33.7	11.9	45.6	74.0	-28.4	Peak	Vertical
	11204.9	37.5	18.8	56.3	74.0	-17.7	Peak	Vertical
	11204.9	27.5	18.8	46.3	54.0	-7.7	Average	Vertical
*	12849.0	30.7	19.2	49.9	68.2	-18.3	Peak	Vertical
*	13486.5	29.0	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8352.5	32.3	12.0	44.3	74.0	-29.7	Peak	Horizontal
	11402.8	36.0	19.1	55.1	74.0	-18.9	Peak	Horizontal
	11402.8	26.9	19.1	46.0	54.0	-8.0	Average	Horizontal
*	12917.0	28.6	19.6	48.2	68.2	-20.0	Peak	Horizontal
*	13554.5	28.8	21.9	50.7	68.2	-17.5	Peak	Horizontal
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
	11404.0	41.0	19.1	60.1	74.0	-13.9	Peak	Vertical
	11404.0	31.2	19.1	50.3	54.0	-3.7	Average	Vertical
*	12738.5	28.9	18.9	47.8	68.2	-20.4	Peak	Vertical
*	13486.5	29.6	21.7	51.3	68.2	-16.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8318.5	32.4	11.9	44.3	74.0	-29.7	Peak	Horizontal
	11434.9	38.4	19.2	57.6	74.0	-16.4	Peak	Horizontal
	11434.9	28.8	19.2	48.0	54.0	-6.0	Average	Horizontal
*	12781.0	29.6	19.0	48.6	68.2	-19.6	Peak	Horizontal
*	13554.5	28.8	21.9	50.7	68.2	-17.5	Peak	Horizontal
	8310.0	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
	11436.8	41.7	19.2	60.9	74.0	-13.1	Peak	Vertical
	11436.8	33.3	19.2	52.5	54.0	-1.5	Average	Vertical
*	12781.0	29.7	19.0	48.7	68.2	-19.5	Peak	Vertical
*	13665.0	29.5	21.9	51.4	68.2	-16.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7630.0	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
	8242.0	31.1	11.9	43.0	74.0	-31.0	Peak	Horizontal
*	10214.0	31.7	16.3	48.0	68.2	-20.2	Peak	Horizontal
*	12840.5	28.4	19.2	47.6	68.2	-20.6	Peak	Horizontal
	7485.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8395.0	31.8	12.2	44.0	74.0	-30.0	Peak	Vertical
*	10537.0	32.1	17.2	49.3	68.2	-18.9	Peak	Vertical
*	12721.5	30.0	18.8	48.8	68.2	-19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	32.1	12.7	44.8	74.0	-29.2	Peak	Horizontal
	8471.5	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
*	9763.5	31.0	14.9	45.9	68.2	-22.3	Peak	Horizontal
*	12951.0	29.1	19.7	48.8	68.2	-19.4	Peak	Horizontal
	7502.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8310.0	32.7	11.9	44.6	74.0	-29.4	Peak	Vertical
*	10095.0	31.4	15.7	47.1	68.2	-21.1	Peak	Vertical
*	12951.0	29.1	19.7	48.8	68.2	-19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8276.0	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
*	9942.0	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12840.5	29.5	19.2	48.7	68.2	-19.5	Peak	Horizontal
	7409.0	31.8	12.6	44.4	74.0	-29.6	Peak	Vertical
	8182.5	31.7	12.0	43.7	74.0	-30.3	Peak	Vertical
*	10137.5	30.4	15.9	46.3	68.2	-21.9	Peak	Vertical
*	12840.5	29.5	19.2	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7366.5	30.6	12.5	43.1	74.0	-30.9	Peak	Horizontal
	8437.5	30.1	12.4	42.5	74.0	-31.5	Peak	Horizontal
*	9942.0	29.8	15.3	45.1	68.2	-23.1	Peak	Horizontal
*	12840.5	28.4	19.2	47.6	68.2	-20.6	Peak	Horizontal
	7341.0	31.2	12.4	43.6	74.0	-30.4	Peak	Vertical
	8352.5	32.0	12.0	44.0	74.0	-30.0	Peak	Vertical
*	10103.5	33.1	15.7	48.8	68.2	-19.4	Peak	Vertical
*	12840.5	28.4	19.2	47.6	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7341.0	31.2	12.4	43.6	74.0	-30.4	Peak	Horizontal
	8429.0	30.4	12.4	42.8	74.0	-31.2	Peak	Horizontal
*	9780.5	31.1	14.9	46.0	68.2	-22.2	Peak	Horizontal
*	12806.5	28.7	19.1	47.8	68.2	-20.4	Peak	Horizontal
	7502.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	8199.5	31.3	12.0	43.3	74.0	-30.7	Peak	Vertical
*	10061.0	31.8	15.6	47.4	68.2	-20.8	Peak	Vertical
*	12806.5	28.7	19.1	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8378.0	31.0	12.1	43.1	74.0	-30.9	Peak	Horizontal
	11421.0	32.5	19.1	51.6	74.0	-22.4	Peak	Horizontal
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Horizontal
*	13546.0	28.9	21.9	50.8	68.2	-17.4	Peak	Horizontal
	8284.5	33.1	11.9	45.0	74.0	-29.0	Peak	Vertical
	11420.1	36.2	19.1	55.3	74.0	-18.7	Peak	Vertical
	11420.1	25.4	19.1	44.5	54.0	-9.5	Average	Vertical
*	12772.5	28.8	19.0	47.8	68.2	-20.4	Peak	Vertical
*	13546.0	28.9	21.9	50.8	68.2	-17.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7562.0	33.4	12.8	46.2	74.0	-27.8	Peak	Horizontal
	8386.5	30.6	12.1	42.7	74.0	-31.3	Peak	Horizontal
*	9882.5	30.8	15.6	46.4	68.2	-21.8	Peak	Horizontal
*	12789.5	29.6	19.0	48.6	68.2	-19.6	Peak	Horizontal
	7460.0	31.4	12.8	44.2	74.0	-29.8	Peak	Vertical
	8395.0	32.2	12.2	44.4	74.0	-29.6	Peak	Vertical
*	10078.0	31.2	15.6	46.8	68.2	-21.4	Peak	Vertical
*	12789.5	29.6	19.0	48.6	68.2	-19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7460.0	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	8488.5	31.3	12.7	44.0	74.0	-30.0	Peak	Horizontal
*	9908.0	30.7	15.3	46.0	68.2	-22.2	Peak	Horizontal
*	12798.0	29.6	19.1	48.7	68.2	-19.5	Peak	Horizontal
	8352.5	31.0	12.0	43.0	74.0	-31.0	Peak	Vertical
	10647.5	32.2	17.4	49.6	74.0	-24.4	Peak	Vertical
*	12755.5	28.6	18.9	47.5	68.2	-20.7	Peak	Vertical
*	13546.0	28.6	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7545.0	33.8	12.8	46.6	74.0	-27.4	Peak	Horizontal
	8395.0	32.7	12.2	44.9	74.0	-29.1	Peak	Horizontal
*	10035.5	32.0	15.5	47.5	68.2	-20.7	Peak	Horizontal
*	12815.0	29.5	19.1	48.6	68.2	-19.6	Peak	Horizontal
	7298.5	32.3	12.3	44.6	74.0	-29.4	Peak	Vertical
	8165.5	31.3	12.1	43.4	74.0	-30.6	Peak	Vertical
*	10188.5	30.5	16.2	46.7	68.2	-21.5	Peak	Vertical
*	12815.0	29.5	19.1	48.6	68.2	-19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	31.4	12.6	44.0	74.0	-30.0	Peak	Horizontal
	8318.5	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	9780.5	31.6	14.9	46.5	68.2	-21.7	Peak	Horizontal
*	12738.5	29.1	18.9	48.0	68.2	-20.2	Peak	Horizontal
	7468.5	32.9	12.8	45.7	74.0	-28.3	Peak	Vertical
	8259.0	32.1	11.9	44.0	74.0	-30.0	Peak	Vertical
*	10163.0	31.7	16.0	47.7	68.2	-20.5	Peak	Vertical
*	12738.5	29.1	18.9	48.0	68.2	-20.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	31.3	12.7	44.0	74.0	-30.0	Peak	Horizontal
	8310.0	33.1	11.9	45.0	74.0	-29.0	Peak	Horizontal
*	9857.0	30.5	16.2	46.7	68.2	-21.5	Peak	Horizontal
*	13138.0	28.6	20.1	48.7	68.2	-19.5	Peak	Horizontal
	7536.5	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	8378.0	32.6	12.1	44.7	74.0	-29.3	Peak	Vertical
*	10188.5	29.6	16.2	45.8	68.2	-22.4	Peak	Vertical
*	13138.0	28.6	20.1	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9389.5	31.2	14.5	45.7	74.0	-28.3	Peak	Horizontal
	11395.5	31.7	19.1	50.8	74.0	-23.2	Peak	Horizontal
*	12815.0	28.4	19.1	47.5	68.2	-20.7	Peak	Horizontal
*	13495.0	28.4	21.7	50.1	68.2	-18.1	Peak	Horizontal
	9134.5	30.4	14.6	45.0	74.0	-29.0	Peak	Vertical
	11400.2	35.8	19.1	54.9	74.0	-19.1	Peak	Vertical
	11400.2	23.8	19.1	42.9	54.0	-11.1	Average	Vertical
*	12866.0	29.2	19.3	48.5	68.2	-19.7	Peak	Vertical
*	13495.0	28.4	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8352.5	31.4	12.0	43.4	74.0	-30.6	Peak	Horizontal
	11438.0	32.7	19.2	51.9	74.0	-22.1	Peak	Horizontal
*	12891.5	29.6	19.4	49.0	68.2	-19.2	Peak	Horizontal
*	13673.5	29.6	21.9	51.5	68.2	-16.7	Peak	Horizontal
	8463.0	31.5	12.6	44.1	74.0	-29.9	Peak	Vertical
	11436.8	35.6	19.2	54.8	74.0	-19.2	Peak	Vertical
	11436.8	24.9	19.2	44.1	54.0	-9.9	Average	Vertical
*	12815.0	29.8	19.1	48.9	68.2	-19.3	Peak	Vertical
*	13546.0	29.2	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7332.5	31.3	12.4	43.7	74.0	-30.3	Peak	Horizontal
	8310.0	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
*	10154.5	30.6	16.0	46.6	68.2	-21.6	Peak	Horizontal
*	12840.5	29.3	19.2	48.5	68.2	-19.7	Peak	Horizontal
	7400.5	30.8	12.6	43.4	74.0	-30.6	Peak	Vertical
	8352.5	31.1	12.0	43.1	74.0	-30.9	Peak	Vertical
*	10562.5	32.6	17.2	49.8	68.2	-18.4	Peak	Vertical
*	12764.0	28.9	19.0	47.9	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8318.5	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
	10639.0	32.1	17.4	49.5	74.0	-24.5	Peak	Horizontal
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Horizontal
*	13665.0	29.7	21.9	51.6	68.2	-16.6	Peak	Horizontal
	7366.5	31.1	12.5	43.6	74.0	-30.4	Peak	Vertical
	8242.0	31.3	11.9	43.2	74.0	-30.8	Peak	Vertical
*	9772.0	31.2	14.9	46.1	68.2	-22.1	Peak	Vertical
*	12721.5	29.0	18.8	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7536.5	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8352.5	32.1	12.0	44.1	74.0	-29.9	Peak	Horizontal
*	9916.5	32.3	15.3	47.6	68.2	-20.6	Peak	Horizontal
*	12721.5	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
	7536.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8301.5	32.9	11.9	44.8	74.0	-29.2	Peak	Vertical
*	9942.0	30.6	15.3	45.9	68.2	-22.3	Peak	Vertical
*	12730.0	28.8	18.8	47.6	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	31.8	12.8	44.6	74.0	-29.4	Peak	Horizontal
	8463.0	31.2	12.6	43.8	74.0	-30.2	Peak	Horizontal
*	10333.0	32.4	16.7	49.1	68.2	-19.1	Peak	Horizontal
*	12781.0	28.9	19.0	47.9	68.2	-20.3	Peak	Horizontal
	7502.5	31.8	12.8	44.6	74.0	-29.4	Peak	Vertical
	8429.0	32.0	12.4	44.4	74.0	-29.6	Peak	Vertical
*	10001.5	30.6	15.4	46.0	68.2	-22.2	Peak	Vertical
*	12747.0	28.7	18.9	47.6	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7511.0	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	8276.0	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
*	9823.0	33.1	15.6	48.7	68.2	-19.5	Peak	Horizontal
*	12747.0	29.3	18.9	48.2	68.2	-20.0	Peak	Horizontal
	8429.0	31.5	12.4	43.9	74.0	-30.1	Peak	Vertical
	11344.5	31.2	19.0	50.2	74.0	-23.8	Peak	Vertical
*	13053.0	28.6	20.0	48.6	68.2	-19.6	Peak	Vertical
*	13486.5	29.1	21.7	50.8	68.2	-17.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8301.5	32.8	11.9	44.7	74.0	-29.3	Peak	Horizontal
	11438.0	32.5	19.2	51.7	74.0	-22.3	Peak	Horizontal
*	12789.5	29.7	19.0	48.7	68.2	-19.5	Peak	Horizontal
*	13554.5	28.5	21.9	50.4	68.2	-17.8	Peak	Horizontal
	8310.0	33.0	11.9	44.9	74.0	-29.1	Peak	Vertical
	11412.5	35.7	19.1	54.8	74.0	-19.2	Peak	Vertical
	11412.6	25.9	19.1	45.0	54.0	-9.0	Average	Vertical
*	13010.5	29.3	19.9	49.2	68.2	-19.0	Peak	Vertical
*	16852.5	34.7	24.0	58.7	68.2	-9.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	8361.0	32.2	12.0	44.2	74.0	-29.8	Peak	Horizontal
*	10129.0	31.2	15.9	47.1	68.2	-21.1	Peak	Horizontal
*	12866.0	29.2	19.3	48.5	68.2	-19.7	Peak	Horizontal
	7468.5	31.4	12.8	44.2	74.0	-29.8	Peak	Vertical
	8284.5	31.8	11.9	43.7	74.0	-30.3	Peak	Vertical
*	9950.5	30.8	15.3	46.1	68.2	-22.1	Peak	Vertical
*	12849.0	29.5	19.2	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	31.6	12.6	44.2	74.0	-29.8	Peak	Horizontal
	8386.5	31.4	12.1	43.5	74.0	-30.5	Peak	Horizontal
*	10307.5	32.0	16.6	48.6	68.2	-19.6	Peak	Horizontal
*	12849.0	29.5	19.2	48.7	68.2	-19.5	Peak	Horizontal
	7400.5	31.6	12.6	44.2	74.0	-29.8	Peak	Vertical
	8446.0	31.6	12.5	44.1	74.0	-29.9	Peak	Vertical
*	13189.0	29.5	20.3	49.8	68.2	-18.4	Peak	Vertical
*	13894.5	28.9	22.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8463.0	31.3	12.6	43.9	74.0	-30.1	Peak	Horizontal
*	9942.0	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
	7400.5	31.3	12.6	43.9	74.0	-30.1	Peak	Vertical
	8361.0	32.2	12.0	44.2	74.0	-29.8	Peak	Vertical
*	9942.0	30.1	15.3	45.4	68.2	-22.8	Peak	Vertical
*	12721.5	28.6	18.8	47.4	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7502.5	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	8352.5	32.0	12.0	44.0	74.0	-30.0	Peak	Horizontal
*	10078.0	32.5	15.6	48.1	68.2	-20.1	Peak	Horizontal
*	12721.5	28.6	18.8	47.4	68.2	-20.8	Peak	Horizontal
	9134.5	30.8	14.6	45.4	74.0	-28.6	Peak	Vertical
	11387.0	34.4	19.1	53.5	74.0	-20.5	Peak	Vertical
	11409.8	22.0	19.1	41.1	54.0	-12.9	Average	Vertical
*	12925.5	28.7	19.6	48.3	68.2	-19.9	Peak	Vertical
*	13537.5	28.5	21.8	50.3	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7417.5	32.9	12.6	45.5	74.0	-28.5	Peak	Horizontal
	8497.0	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
*	9976.0	30.2	15.3	45.5	68.2	-22.7	Peak	Horizontal
*	12849.0	28.6	19.2	47.8	68.2	-20.4	Peak	Horizontal
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
	8454.5	32.0	12.5	44.5	74.0	-29.5	Peak	Vertical
*	9772.0	31.3	14.9	46.2	68.2	-22.0	Peak	Vertical
*	12849.0	28.6	19.2	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Horizontal
	8395.0	30.5	12.2	42.7	74.0	-31.3	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
*	12840.5	29.3	19.2	48.5	68.2	-19.7	Peak	Horizontal
	7443.0	32.3	12.7	45.0	74.0	-29.0	Peak	Vertical
	8293.0	33.1	11.9	45.0	74.0	-29.0	Peak	Vertical
*	9993.0	31.4	15.4	46.8	68.2	-21.4	Peak	Vertical
*	12840.5	29.3	19.2	48.5	68.2	-19.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7443.0	32.3	12.7	45.0	74.0	-29.0	Peak	Horizontal
	8429.0	30.1	12.4	42.5	74.0	-31.5	Peak	Horizontal
*	9942.0	30.3	15.3	45.6	68.2	-22.6	Peak	Horizontal
*	13010.5	29.5	19.9	49.4	68.2	-18.8	Peak	Horizontal
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Vertical
	8352.5	32.5	12.0	44.5	74.0	-29.5	Peak	Vertical
*	10171.5	31.5	16.1	47.6	68.2	-20.6	Peak	Vertical
*	13010.5	29.5	19.9	49.4	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Horizontal
	8318.5	31.1	11.9	43.0	74.0	-31.0	Peak	Horizontal
*	9993.0	30.6	15.4	46.0	68.2	-22.2	Peak	Horizontal
*	13070.0	29.7	20.0	49.7	68.2	-18.5	Peak	Horizontal
	7477.0	30.9	12.8	43.7	74.0	-30.3	Peak	Vertical
	8378.0	31.5	12.1	43.6	74.0	-30.4	Peak	Vertical
*	10214.0	31.6	16.3	47.9	68.2	-20.3	Peak	Vertical
*	13070.0	29.7	20.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9406.5	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
	11191.5	32.6	18.7	51.3	74.0	-22.7	Peak	Horizontal
*	12721.5	29.2	18.8	48.0	68.2	-20.2	Peak	Horizontal
*	13622.5	28.8	21.8	50.6	68.2	-17.6	Peak	Horizontal
	9406.5	31.0	14.5	45.5	74.0	-28.5	Peak	Vertical
	11200.0	34.0	18.7	52.7	74.0	-21.3	Peak	Vertical
*	12781.0	29.2	19.0	48.2	68.2	-20.0	Peak	Vertical
*	13546.0	29.3	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9313.0	31.7	14.7	46.4	74.0	-27.6	Peak	Horizontal
	11400.4	35.8	19.1	54.9	74.0	-19.1	Peak	Horizontal
	11400.4	25.7	19.1	44.8	54.0	-9.2	Average	Horizontal
*	13078.5	29.1	20.0	49.1	68.2	-19.1	Peak	Horizontal
*	13546.0	29.3	21.9	51.2	68.2	-17.0	Peak	Horizontal
	9313.0	31.7	14.7	46.4	74.0	-27.6	Peak	Vertical
	11401.7	39.9	19.1	59.0	74.0	-15.0	Peak	Vertical
	11401.7	27.8	19.1	46.9	54.0	-7.1	Average	Vertical
*	12747.0	30.1	18.9	49.0	68.2	-19.2	Peak	Vertical
*	13563.0	28.5	21.8	50.3	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8352.5	32.0	12.0	44.0	74.0	-30.0	Peak	Horizontal
	11440.4	40.3	19.2	59.5	74.0	-14.5	Peak	Horizontal
	11440.4	30.2	19.2	49.4	54.0	-4.6	Average	Horizontal
*	12789.5	30.4	19.0	49.4	68.2	-18.8	Peak	Horizontal
*	13503.5	28.4	21.8	50.2	68.2	-18.0	Peak	Horizontal
	9466.0	32.5	14.4	46.9	74.0	-27.1	Peak	Vertical
	11437.4	42.4	19.2	61.6	74.0	-12.4	Peak	Vertical
	11437.4	32.0	19.2	51.2	54.0	-2.8	Average	Vertical
*	12857.5	30.4	19.3	49.7	68.2	-18.5	Peak	Vertical
*	13503.5	28.4	21.8	50.2	68.2	-18.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	31.7	12.7	44.4	74.0	-29.6	Peak	Horizontal
	8242.0	31.9	11.9	43.8	74.0	-30.2	Peak	Horizontal
*	10120.5	30.5	15.8	46.3	68.2	-21.9	Peak	Horizontal
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Horizontal
	7434.5	31.7	12.7	44.4	74.0	-29.6	Peak	Vertical
	8378.0	30.9	12.1	43.0	74.0	-31.0	Peak	Vertical
*	9942.0	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	12968.0	28.8	19.8	48.6	68.2	-19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	9109.0	32.1	14.5	46.6	74.0	-27.4	Peak	Horizontal
*	10214.0	31.4	16.3	47.7	68.2	-20.5	Peak	Horizontal
*	12968.0	28.8	19.8	48.6	68.2	-19.6	Peak	Horizontal
	7468.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	8429.0	30.5	12.4	42.9	74.0	-31.1	Peak	Vertical
*	9857.0	31.3	16.2	47.5	68.2	-20.7	Peak	Vertical
*	12840.5	29.2	19.2	48.4	68.2	-19.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7375.0	33.4	12.5	45.9	74.0	-28.1	Peak	Horizontal
	8106.0	33.1	12.3	45.4	74.0	-28.6	Peak	Horizontal
*	10035.5	31.6	15.5	47.1	68.2	-21.1	Peak	Horizontal
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Horizontal
	7375.0	33.4	12.5	45.9	74.0	-28.1	Peak	Vertical
	8310.0	31.6	11.9	43.5	74.0	-30.5	Peak	Vertical
*	9891.0	30.2	15.5	45.7	68.2	-22.5	Peak	Vertical
*	13019.0	29.1	19.9	49.0	68.2	-19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7307.0	32.0	12.3	44.3	74.0	-29.7	Peak	Horizontal
	8344.0	32.6	12.0	44.6	74.0	-29.4	Peak	Horizontal
*	10282.0	32.9	16.5	49.4	68.2	-18.8	Peak	Horizontal
*	13019.0	29.1	19.9	49.0	68.2	-19.2	Peak	Horizontal
	7400.5	31.0	12.6	43.6	74.0	-30.4	Peak	Vertical
	8437.5	31.3	12.4	43.7	74.0	-30.3	Peak	Vertical
*	9942.0	30.8	15.3	46.1	68.2	-22.1	Peak	Vertical
*	12789.5	28.7	19.0	47.7	68.2	-20.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9491.5	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11191.5	32.8	18.7	51.5	74.0	-22.5	Peak	Horizontal
*	12840.5	28.6	19.2	47.8	68.2	-20.4	Peak	Horizontal
*	13546.0	28.8	21.9	50.7	68.2	-17.5	Peak	Horizontal
	8174.0	31.5	12.0	43.5	74.0	-30.5	Peak	Vertical
	9491.5	31.9	14.4	46.3	74.0	-27.7	Peak	Vertical
*	10350.0	31.1	16.8	47.9	68.2	-20.3	Peak	Vertical
*	13010.5	29.3	19.9	49.2	68.2	-19.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9423.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	11400.1	36.0	19.1	55.1	74.0	-18.9	Peak	Horizontal
	11400.1	24.3	19.1	43.4	54.0	-10.6	Average	Horizontal
*	12704.5	28.8	18.8	47.6	68.2	-20.6	Peak	Horizontal
*	13010.5	29.3	19.9	49.2	68.2	-19.0	Peak	Horizontal
	7502.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11404.0	38.7	19.1	57.8	74.0	-16.2	Peak	Vertical
	11404.3	26.9	19.1	46.0	54.0	-8.0	Average	Vertical
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Vertical
*	13452.5	29.4	21.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9457.5	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11438.0	41.1	19.2	60.3	74.0	-13.7	Peak	Horizontal
	11441.4	30.6	19.2	49.8	54.0	-4.2	Average	Horizontal
*	12730.0	28.8	18.8	47.6	68.2	-20.6	Peak	Horizontal
*	13486.5	29.5	21.7	51.2	68.2	-17.0	Peak	Horizontal
	9100.5	31.7	14.4	46.1	74.0	-27.9	Peak	Vertical
	11443.2	42.8	19.2	62.0	74.0	-12.0	Peak	Vertical
	11443.2	30.8	19.2	50.0	54.0	-4.0	Average	Vertical
*	12840.5	29.6	19.2	48.8	68.2	-19.4	Peak	Vertical
*	13486.5	29.5	21.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	31.2	12.6	43.8	74.0	-30.2	Peak	Horizontal
	8463.0	31.2	12.6	43.8	74.0	-30.2	Peak	Horizontal
*	9636.0	30.7	14.4	45.1	68.2	-23.1	Peak	Horizontal
*	12721.5	29.6	18.8	48.4	68.2	-19.8	Peak	Horizontal
	7460.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	8284.5	31.5	11.9	43.4	74.0	-30.6	Peak	Vertical
*	10171.5	30.3	16.1	46.4	68.2	-21.8	Peak	Vertical
*	12721.5	29.6	18.8	48.4	68.2	-19.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7451.5	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8242.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	9831.5	30.0	15.9	45.9	68.2	-22.3	Peak	Horizontal
*	12866.0	28.8	19.3	48.1	68.2	-20.1	Peak	Horizontal
	7460.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	8488.5	32.1	12.7	44.8	74.0	-29.2	Peak	Vertical
*	9874.0	30.2	15.8	46.0	68.2	-22.2	Peak	Vertical
*	12925.5	28.8	19.6	48.4	68.2	-19.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7443.0	32.0	12.7	44.7	74.0	-29.3	Peak	Horizontal
	8165.5	31.1	12.1	43.2	74.0	-30.8	Peak	Horizontal
*	10120.5	31.0	15.8	46.8	68.2	-21.4	Peak	Horizontal
*	12925.5	28.8	19.6	48.4	68.2	-19.8	Peak	Horizontal
	7443.0	32.0	12.7	44.7	74.0	-29.3	Peak	Vertical
	8454.5	32.2	12.5	44.7	74.0	-29.3	Peak	Vertical
*	9908.0	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	12713.0	30.3	18.8	49.1	68.2	-19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8293.0	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
	9109.0	30.9	14.5	45.4	74.0	-28.6	Peak	Horizontal
*	10273.5	31.4	16.5	47.9	68.2	-20.3	Peak	Horizontal
*	12806.5	29.0	19.1	48.1	68.2	-20.1	Peak	Horizontal
	7570.5	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	9423.5	30.3	14.5	44.8	74.0	-29.2	Peak	Vertical
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical
*	13648.0	28.8	21.8	50.6	68.2	-17.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9024.0	31.2	14.2	45.4	74.0	-28.6	Peak	Horizontal
	11336.0	32.9	19.0	51.9	74.0	-22.1	Peak	Horizontal
*	12883.0	28.8	19.4	48.2	68.2	-20.0	Peak	Horizontal
*	13775.5	30.2	22.1	52.3	68.2	-15.9	Peak	Horizontal
	8310.0	31.1	11.9	43.0	74.0	-31.0	Peak	Vertical
	11506.0	31.3	19.4	50.7	74.0	-23.3	Peak	Vertical
*	12900.0	27.7	19.5	47.2	68.2	-21.0	Peak	Vertical
*	13614.0	28.5	21.8	50.3	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9474.5	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11420.2	39.1	19.1	58.2	74.0	-15.8	Peak	Horizontal
	11420.2	28.5	19.1	47.6	54.0	-6.4	Average	Horizontal
*	13155.0	28.9	20.1	49.0	68.2	-19.2	Peak	Horizontal
*	13792.5	29.2	22.1	51.3	68.2	-16.9	Peak	Horizontal
	9466.0	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	11423.7	40.5	19.2	59.7	74.0	-14.3	Peak	Vertical
	11423.7	28.4	19.2	47.6	54.0	-6.4	Average	Vertical
*	12755.5	30.6	18.9	49.5	68.2	-18.7	Peak	Vertical
*	13605.5	29.2	21.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7400.5	33.5	12.6	46.1	74.0	-27.9	Peak	Horizontal
	8480.0	32.3	12.7	45.0	74.0	-29.0	Peak	Horizontal
*	10069.5	31.0	15.6	46.6	68.2	-21.6	Peak	Horizontal
*	12815.0	28.5	19.1	47.6	68.2	-20.6	Peak	Horizontal
	7553.5	33.9	12.8	46.7	74.0	-27.3	Peak	Vertical
	8446.0	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
*	10137.5	30.4	15.9	46.3	68.2	-21.9	Peak	Vertical
*	12730.0	28.5	18.8	47.3	68.2	-20.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7519.5	32.0	12.8	44.8	74.0	-29.2	Peak	Horizontal
	8463.0	31.3	12.6	43.9	74.0	-30.1	Peak	Horizontal
*	10086.5	31.3	15.7	47.0	68.2	-21.2	Peak	Horizontal
*	12730.0	28.5	18.8	47.3	68.2	-20.9	Peak	Horizontal
	7519.5	32.0	12.8	44.8	74.0	-29.2	Peak	Vertical
	8369.5	32.5	12.1	44.6	74.0	-29.4	Peak	Vertical
*	9899.5	30.3	15.4	45.7	68.2	-22.5	Peak	Vertical
*	12891.5	29.4	19.4	48.8	68.2	-19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7366.5	31.5	12.5	44.0	74.0	-30.0	Peak	Horizontal
	8429.0	32.7	12.4	45.1	74.0	-28.9	Peak	Horizontal
*	10129.0	30.9	15.9	46.8	68.2	-21.4	Peak	Horizontal
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Horizontal
	7341.0	32.5	12.4	44.9	74.0	-29.1	Peak	Vertical
	8386.5	31.0	12.1	43.1	74.0	-30.9	Peak	Vertical
*	9993.0	31.9	15.4	47.3	68.2	-20.9	Peak	Vertical
*	13095.5	29.0	20.1	49.1	68.2	-19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9338.5	30.9	14.6	45.5	74.0	-28.5	Peak	Horizontal
	11582.5	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
*	12764.0	29.9	19.0	48.9	68.2	-19.3	Peak	Horizontal
*	13631.0	29.2	21.8	51.0	68.2	-17.2	Peak	Horizontal
	7604.5	32.6	12.7	45.3	74.0	-28.7	Peak	Vertical
	9338.5	30.9	14.6	45.5	74.0	-28.5	Peak	Vertical
*	10452.0	31.3	17.1	48.4	68.2	-19.8	Peak	Vertical
*	12900.0	28.9	19.5	48.4	68.2	-19.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9423.5	31.1	14.5	45.6	74.0	-28.4	Peak	Horizontal
	11200.0	32.6	18.7	51.3	74.0	-22.7	Peak	Horizontal
*	13061.5	28.6	20.0	48.6	68.2	-19.6	Peak	Horizontal
*	13648.0	28.7	21.8	50.5	68.2	-17.7	Peak	Horizontal
	7417.5	33.0	12.6	45.6	74.0	-28.4	Peak	Vertical
	8352.5	31.6	12.0	43.6	74.0	-30.4	Peak	Vertical
*	9993.0	33.0	15.4	48.4	68.2	-19.8	Peak	Vertical
*	12917.0	29.7	19.6	49.3	68.2	-18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9177.0	30.7	14.7	45.4	74.0	-28.6	Peak	Horizontal
	11400.0	35.9	19.1	55.0	74.0	-19.0	Peak	Horizontal
	11400.0	24.5	19.1	43.6	54.0	-10.4	Average	Horizontal
*	12917.0	29.7	19.6	49.3	68.2	-18.9	Peak	Horizontal
*	13563.0	28.6	21.8	50.4	68.2	-17.8	Peak	Horizontal
	9177.0	30.7	14.7	45.4	74.0	-28.6	Peak	Vertical
	11404.0	27.8	19.1	46.9	54.0	-7.1	Average	Vertical
	11404.0	38.1	19.1	57.2	74.0	-16.8	Peak	Vertical
*	12806.5	28.4	19.1	47.5	68.2	-20.7	Peak	Vertical
*	13546.0	29.2	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8310.0	32.3	11.9	44.2	74.0	-29.8	Peak	Horizontal
	11438.0	39.8	19.2	59.0	74.0	-15.0	Peak	Horizontal
	11439.4	29.5	19.2	48.7	54.0	-5.3	Average	Horizontal
*	13095.5	30.7	20.1	50.8	68.2	-17.4	Peak	Horizontal
*	13665.0	29.8	21.9	51.7	68.2	-16.5	Peak	Horizontal
	8386.5	31.2	12.1	43.3	74.0	-30.7	Peak	Vertical
	11438.0	43.2	19.2	62.4	74.0	-11.6	Peak	Vertical
	11439.3	31.4	19.2	50.6	54.0	-3.4	Average	Vertical
*	12789.5	29.7	19.0	48.7	68.2	-19.5	Peak	Vertical
*	13665.0	29.0	21.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7332.5	31.0	12.4	43.4	74.0	-30.6	Peak	Horizontal
	8437.5	31.6	12.4	44.0	74.0	-30.0	Peak	Horizontal
*	10171.5	30.4	16.1	46.5	68.2	-21.7	Peak	Horizontal
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
	8301.5	32.9	11.9	44.8	74.0	-29.2	Peak	Vertical
	9168.5	32.0	14.7	46.7	74.0	-27.3	Peak	Vertical
*	10205.5	31.7	16.2	47.9	68.2	-20.3	Peak	Vertical
*	12730.0	29.0	18.8	47.8	68.2	-20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	8301.5	32.9	11.9	44.8	74.0	-29.2	Peak	Horizontal
	9432.0	30.2	14.4	44.6	74.0	-29.4	Peak	Horizontal
*	10350.0	30.2	16.8	47.0	68.2	-21.2	Peak	Horizontal
*	12951.0	28.4	19.7	48.1	68.2	-20.1	Peak	Horizontal
	7434.5	31.9	12.7	44.6	74.0	-29.4	Peak	Vertical
	8199.5	31.0	12.0	43.0	74.0	-31.0	Peak	Vertical
*	10265.0	31.3	16.5	47.8	68.2	-20.4	Peak	Vertical
*	12951.0	28.4	19.7	48.1	68.2	-20.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7434.5	31.9	12.7	44.6	74.0	-29.4	Peak	Horizontal
	8369.5	31.6	12.1	43.7	74.0	-30.3	Peak	Horizontal
*	9653.0	30.5	14.5	45.0	68.2	-23.2	Peak	Horizontal
*	13019.0	29.2	19.9	49.1	68.2	-19.1	Peak	Horizontal
	7511.0	31.9	12.8	44.7	74.0	-29.3	Peak	Vertical
	8429.0	31.1	12.4	43.5	74.0	-30.5	Peak	Vertical
*	10171.5	31.5	16.1	47.6	68.2	-20.6	Peak	Vertical
*	13019.0	29.2	19.9	49.1	68.2	-19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7579.0	31.7	12.7	44.4	74.0	-29.6	Peak	Horizontal
	8437.5	31.6	12.4	44.0	74.0	-30.0	Peak	Horizontal
*	9899.5	30.9	15.4	46.3	68.2	-21.9	Peak	Horizontal
*	12721.5	29.8	18.8	48.6	68.2	-19.6	Peak	Horizontal
	7468.5	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	8403.5	33.2	12.2	45.4	74.0	-28.6	Peak	Vertical
*	10154.5	32.0	16.0	48.0	68.2	-20.2	Peak	Vertical
*	12721.5	29.8	18.8	48.6	68.2	-19.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9381.0	30.8	14.5	45.3	74.0	-28.7	Peak	Horizontal
	11531.5	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	12721.5	30.0	18.8	48.8	68.2	-19.4	Peak	Horizontal
*	13554.5	28.6	21.9	50.5	68.2	-17.7	Peak	Horizontal
	9143.0	30.8	14.6	45.4	74.0	-28.6	Peak	Vertical
	11344.5	32.1	19.0	51.1	74.0	-22.9	Peak	Vertical
*	12730.0	29.7	18.8	48.5	68.2	-19.7	Peak	Vertical
*	13554.5	28.4	21.9	50.3	68.2	-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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9143.0	31.1	14.6	45.7	74.0	-28.3	Peak	Horizontal
	11421.0	39.6	19.1	58.7	74.0	-15.3	Peak	Horizontal
	11420.3	28.9	19.1	48.0	54.0	-6.0	Average	Horizontal
*	12789.5	30.0	19.0	49.0	68.2	-19.2	Peak	Horizontal
*	13614.0	28.9	21.8	50.7	68.2	-17.5	Peak	Horizontal
	9466.0	32.9	14.4	47.3	74.0	-26.7	Peak	Vertical
	11429.5	40.2	19.2	59.4	74.0	-14.6	Peak	Vertical
	11424.0	28.5	19.2	47.7	54.0	-6.3	Average	Vertical
*	12891.5	29.2	19.4	48.6	68.2	-19.6	Peak	Vertical
*	13614.0	28.9	21.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7536.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8276.0	32.0	11.9	43.9	74.0	-30.1	Peak	Horizontal
*	10095.0	32.3	15.7	48.0	68.2	-20.2	Peak	Horizontal
*	12857.5	28.5	19.3	47.8	68.2	-20.4	Peak	Horizontal
	7536.5	32.5	12.8	45.3	74.0	-28.7	Peak	Vertical
	8429.0	32.0	12.4	44.4	74.0	-29.6	Peak	Vertical
*	9993.0	30.5	15.4	45.9	68.2	-22.3	Peak	Vertical
*	12781.0	29.3	19.0	48.3	68.2	-19.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	7468.5	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	9015.5	32.2	14.2	46.4	74.0	-27.6	Peak	Horizontal
*	10205.5	32.1	16.2	48.3	68.2	-19.9	Peak	Horizontal
*	12781.0	29.3	19.0	48.3	68.2	-19.9	Peak	Horizontal
	7468.5	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	8242.0	31.5	11.9	43.4	74.0	-30.6	Peak	Vertical
*	9687.0	31.1	14.6	45.7	68.2	-22.5	Peak	Vertical
*	12891.5	29.3	19.4	48.7	68.2	-19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9194.0	31.1	14.7	45.8	74.0	-28.2	Peak	Horizontal
	11379.7	36.3	19.1	55.4	74.0	-18.6	Peak	Horizontal
	11379.7	23.4	19.1	42.5	54.0	-11.5	Average	Horizontal
*	12781.0	30.4	19.0	49.4	68.2	-18.8	Peak	Horizontal
*	13427.0	28.4	21.5	49.9	68.2	-18.3	Peak	Horizontal
	9423.5	31.0	14.5	45.5	74.0	-28.5	Peak	Vertical
	11379.9	37.6	19.1	56.7	74.0	-17.3	Peak	Vertical
	11379.9	25.9	19.1	45.0	54.0	-9.0	Average	Vertical
*	12781.0	29.1	19.0	48.1	68.2	-20.1	Peak	Vertical
*	13427.0	28.4	21.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	9194.0	31.1	14.7	45.8	74.0	-28.2	Peak	Horizontal
	11379.7	36.3	19.1	55.4	74.0	-18.6	Peak	Horizontal
	11379.7	23.4	19.1	42.5	54.0	-11.5	Average	Horizontal
*	12781.0	30.4	19.0	49.4	68.2	-18.8	Peak	Horizontal
*	13427.0	28.4	21.5	49.9	68.2	-18.3	Peak	Horizontal
	9423.5	31.0	14.5	45.5	74.0	-28.5	Peak	Vertical
	11379.9	37.6	19.1	56.7	74.0	-17.3	Peak	Vertical
	11379.9	25.9	19.1	45.0	54.0	-9.0	Average	Vertical
*	12781.0	29.1	19.0	48.1	68.2	-20.1	Peak	Vertical
*	13427.0	28.4	21.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8735.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
	9134.5	31.6	14.6	46.2	74.0	-27.8	Peak	Horizontal
	11786.5	31.2	18.8	50.0	74.0	-24.0	Peak	Horizontal
*	7953.0	35.0	12.5	47.5	68.2	-20.7	Peak	Vertical
*	8854.0	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
	9151.5	31.1	14.7	45.8	74.0	-28.2	Peak	Vertical
	11863.0	31.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8675.5	32.0	13.7	45.7	68.2	-22.5	Peak	Horizontal
	9058.0	31.9	14.3	46.2	74.0	-27.8	Peak	Horizontal
	11837.5	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
*	7876.5	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8811.5	30.8	14.0	44.8	68.2	-23.4	Peak	Vertical
	9100.5	30.8	14.4	45.2	74.0	-28.8	Peak	Vertical
	11922.5	30.3	18.6	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	8777.5	30.7	13.9	44.6	68.2	-23.6	Peak	Horizontal
	9134.5	31.0	14.6	45.6	74.0	-28.4	Peak	Horizontal
	11846.0	29.9	18.7	48.6	74.0	-25.4	Peak	Horizontal
*	7868.0	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8837.0	30.7	14.0	44.7	68.2	-23.5	Peak	Vertical
	9134.5	30.9	14.6	45.5	74.0	-28.5	Peak	Vertical
	12058.5	32.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8692.5	32.0	13.7	45.7	68.2	-22.5	Peak	Horizontal
	11225.5	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
	12169.0	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	7868.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8854.0	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
	11710.0	31.0	19.1	50.1	74.0	-23.9	Peak	Vertical
	12016.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8777.5	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	11191.5	30.2	18.7	48.9	74.0	-25.1	Peak	Horizontal
	12186.0	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	7893.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	8862.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
	11242.5	30.7	18.8	49.5	74.0	-24.5	Peak	Vertical
	11880.0	30.9	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7808.5	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8743.5	30.7	13.9	44.6	68.2	-23.6	Peak	Horizontal
	9092.0	30.7	14.4	45.1	74.0	-28.9	Peak	Horizontal
	11480.5	30.3	19.3	49.6	74.0	-24.4	Peak	Horizontal
*	7851.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	8871.0	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	9134.5	32.1	14.6	46.7	74.0	-27.3	Peak	Vertical
	11399.8	35.9	20.3	56.2	74.0	-17.8	Peak	Vertical
	11399.8	25.7	20.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	33.9	12.4	46.3	68.2	-21.9	Peak	Horizontal
*	8769.0	30.7	13.9	44.6	68.2	-23.6	Peak	Horizontal
	9126.0	30.8	14.6	45.4	74.0	-28.6	Peak	Horizontal
	11438.0	30.5	19.2	49.7	74.0	-24.3	Peak	Horizontal
*	7885.0	34.0	12.4	46.4	68.2	-21.8	Peak	Vertical
*	8658.5	31.6	13.6	45.2	68.2	-23.0	Peak	Vertical
	9134.5	32.0	14.6	46.6	74.0	-27.4	Peak	Vertical
	11225.5	30.5	18.8	49.3	74.0	-24.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7978.5	35.5	12.5	48.0	68.2	-20.2	Peak	Horizontal
*	8684.0	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
	11599.5	32.1	19.5	51.6	74.0	-22.4	Peak	Horizontal
	12407.0	33.2	18.4	51.6	74.0	-22.4	Peak	Horizontal
*	7868.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	11021.5	32.1	18.5	50.6	74.0	-23.4	Peak	Vertical
	11718.5	31.3	19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8616.0	32.9	13.5	46.4	68.2	-21.8	Peak	Horizontal
	11616.5	32.1	19.4	51.5	74.0	-22.5	Peak	Horizontal
	12543.0	32.0	18.6	50.6	74.0	-23.4	Peak	Horizontal
*	7936.0	34.6	12.5	47.1	68.2	-21.1	Peak	Vertical
*	8786.0	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
	11650.5	32.9	19.3	52.2	74.0	-21.8	Peak	Vertical
	12543.0	32.8	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8888.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
	11472.0	32.6	19.3	51.9	74.0	-22.1	Peak	Horizontal
	12500.5	32.7	18.5	51.2	74.0	-22.8	Peak	Horizontal
*	7800.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	8896.5	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
	10749.5	34.0	17.7	51.7	74.0	-22.3	Peak	Vertical
	11480.5	32.3	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	8862.5	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
	11174.5	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
	12067.0	33.0	18.9	51.9	74.0	-22.1	Peak	Horizontal
*	7868.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8769.0	30.9	13.9	44.8	68.2	-23.4	Peak	Vertical
	11514.5	32.1	19.4	51.5	74.0	-22.5	Peak	Vertical
	12152.0	31.5	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	8786.0	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
	11276.5	30.6	18.8	49.4	74.0	-24.6	Peak	Horizontal
	12152.0	31.5	18.9	50.4	74.0	-23.6	Peak	Horizontal
*	7885.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	8769.0	31.2	13.9	45.1	68.2	-23.1	Peak	Vertical
	11225.5	30.4	18.8	49.2	74.0	-24.8	Peak	Vertical
	12169.0	31.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7970.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	8828.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
	11174.5	30.9	18.7	49.6	74.0	-24.4	Peak	Horizontal
	12186.0	30.6	18.8	49.4	74.0	-24.6	Peak	Horizontal
*	7783.0	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	8871.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
	11548.5	30.5	19.5	50.0	74.0	-24.0	Peak	Vertical
	12517.5	31.1	18.6	49.7	74.0	-24.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7961.5	33.7	12.5	46.2	68.2	-22.0	Peak	Horizontal
*	8896.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	11582.5	31.4	19.5	50.9	74.0	-23.1	Peak	Horizontal
	12271.0	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
*	7953.0	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
*	8828.5	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
	11472.0	33.1	19.3	52.4	74.0	-21.6	Peak	Vertical
	12517.5	34.0	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8854.0	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
	11004.5	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	11812.0	31.9	18.7	50.6	74.0	-23.4	Peak	Horizontal
*	7902.0	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8845.5	33.9	14.0	47.9	68.2	-20.3	Peak	Vertical
	11786.5	31.3	18.8	50.1	74.0	-23.9	Peak	Vertical
	12381.5	31.6	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.3	12.4	45.7	68.2	-22.5	Peak	Horizontal
*	8879.5	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	11718.5	30.7	19.1	49.8	74.0	-24.2	Peak	Horizontal
	12534.5	31.2	18.6	49.8	74.0	-24.2	Peak	Horizontal
*	7876.5	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8879.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	11871.5	30.4	18.7	49.1	74.0	-24.9	Peak	Vertical
	12500.5	32.2	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7817.0	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	8786.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
	11557.0	31.3	19.5	50.8	74.0	-23.2	Peak	Horizontal
	12211.5	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	7919.0	33.5	12.4	45.9	68.2	-22.3	Peak	Vertical
*	8888.0	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
	11718.5	30.7	19.1	49.8	74.0	-24.2	Peak	Vertical
	12662.0	31.3	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	33.5	12.4	45.9	68.2	-22.3	Peak	Horizontal
*	8854.0	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
	11795.0	30.4	18.8	49.2	74.0	-24.8	Peak	Horizontal
	12560.0	30.8	18.6	49.4	74.0	-24.6	Peak	Horizontal
*	7825.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8760.5	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
	11336.0	30.4	19.0	49.4	74.0	-24.6	Peak	Vertical
	12330.5	31.2	18.5	49.7	74.0	-24.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8854.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	10945.0	31.2	18.4	49.6	74.0	-24.4	Peak	Horizontal
	12016.0	30.9	18.7	49.6	74.0	-24.4	Peak	Horizontal
*	7851.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8913.5	31.2	14.1	45.3	68.2	-22.9	Peak	Vertical
	11399.3	36.0	20.4	56.4	74.0	-17.6	Peak	Vertical
	11399.3	25.4	20.4	45.8	54.0	-8.2	Average	Vertical
	11905.5	30.3	18.6	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7936.0	33.3	12.5	45.8	68.2	-22.4	Peak	Horizontal
*	8964.5	31.0	14.1	45.1	68.2	-23.1	Peak	Horizontal
	11693.0	30.4	19.2	49.6	74.0	-24.4	Peak	Horizontal
	12551.5	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
*	7876.5	33.6	12.4	46.0	68.2	-22.2	Peak	Vertical
*	8871.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
	11633.5	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12551.5	31.3	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	8888.0	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
	11625.0	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
	12288.0	32.3	18.6	50.9	74.0	-23.1	Peak	Horizontal
*	7808.5	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8786.0	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
	11225.5	31.5	18.8	50.3	74.0	-23.7	Peak	Vertical
	12143.5	31.7	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	8769.0	31.1	13.9	45.0	68.2	-23.2	Peak	Horizontal
	11489.0	31.6	19.3	50.9	74.0	-23.1	Peak	Horizontal
	12186.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	7919.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8871.0	32.3	14.0	46.3	68.2	-21.9	Peak	Vertical
	11132.0	31.3	18.6	49.9	74.0	-24.1	Peak	Vertical
	12228.5	31.9	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	33.5	12.4	45.9	68.2	-22.3	Peak	Horizontal
*	8837.0	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
	11727.0	30.4	19.0	49.4	74.0	-24.6	Peak	Horizontal
	12339.0	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
*	7817.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8811.5	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
	11191.5	31.5	18.7	50.2	74.0	-23.8	Peak	Vertical
	11956.5	31.7	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8769.0	31.1	13.9	45.0	68.2	-23.2	Peak	Horizontal
	11429.5	30.8	19.2	50.0	74.0	-24.0	Peak	Horizontal
	12169.0	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	7885.0	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8888.0	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	11064.0	32.8	18.5	51.3	74.0	-22.7	Peak	Vertical
	11905.5	31.9	18.6	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8888.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	11106.5	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
	11752.5	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8905.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
	11021.5	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
	11803.5	31.6	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8930.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	9814.5	32.8	15.4	48.2	68.2	-20.0	Peak	Horizontal
	11854.5	32.4	18.7	51.1	74.0	-22.9	Peak	Horizontal
	12441.0	32.3	18.4	50.7	74.0	-23.3	Peak	Horizontal
*	7817.0	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8743.5	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	11030.0	31.4	18.5	49.9	74.0	-24.1	Peak	Vertical
	11591.0	31.0	19.5	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.6	12.4	46.0	68.2	-22.2	Peak	Horizontal
*	8820.0	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	11854.5	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
	12424.0	31.0	18.4	49.4	74.0	-24.6	Peak	Horizontal
*	7876.5	33.5	12.4	45.9	68.2	-22.3	Peak	Vertical
*	8854.0	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
	11319.0	30.4	18.9	49.3	74.0	-24.7	Peak	Vertical
	12330.5	30.9	18.5	49.4	74.0	-24.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7808.5	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8854.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	11812.0	30.4	18.7	49.1	74.0	-24.9	Peak	Horizontal
	12560.0	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
*	7910.5	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8930.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
	11191.5	30.4	18.7	49.1	74.0	-24.9	Peak	Vertical
	11897.0	30.9	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8752.0	32.2	13.9	46.1	68.2	-22.1	Peak	Horizontal
	11225.5	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
	12126.5	31.4	18.9	50.3	74.0	-23.7	Peak	Horizontal
*	7936.0	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
*	8837.0	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
	11276.5	30.9	18.8	49.7	74.0	-24.3	Peak	Vertical
	12007.5	31.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7970.0	35.4	12.5	47.9	68.2	-20.3	Peak	Horizontal
*	8854.0	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
	11735.5	31.3	19.0	50.3	74.0	-23.7	Peak	Horizontal
	12228.5	31.5	18.7	50.2	74.0	-23.8	Peak	Horizontal
*	7910.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
*	8854.0	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
	11480.5	31.4	19.3	50.7	74.0	-23.3	Peak	Vertical
	12356.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	8837.0	33.1	14.0	47.1	68.2	-21.1	Peak	Horizontal
	9491.5	35.0	14.4	49.4	74.0	-24.6	Peak	Horizontal
	12126.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	7893.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8692.5	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
	9466.0	35.3	14.4	49.7	74.0	-24.3	Peak	Vertical
	10809.0	34.0	17.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7825.5	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8845.5	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
	9338.5	33.8	14.6	48.4	74.0	-25.6	Peak	Horizontal
	11268.0	33.3	18.8	52.1	74.0	-21.9	Peak	Horizontal
*	7910.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	8658.5	32.0	13.6	45.6	68.2	-22.6	Peak	Vertical
	9474.5	33.6	14.4	48.0	74.0	-26.0	Peak	Vertical
	11633.5	32.4	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	48
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7800.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8743.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
	9423.5	33.4	14.5	47.9	74.0	-26.1	Peak	Horizontal
	11446.5	32.7	19.2	51.9	74.0	-22.1	Peak	Horizontal
*	7944.5	35.0	12.5	47.5	68.2	-20.7	Peak	Vertical
*	8735.0	31.8	13.9	45.7	68.2	-22.5	Peak	Vertical
	9381.0	32.7	14.5	47.2	74.0	-26.8	Peak	Vertical
	10894.0	34.2	18.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7970.0	34.3	12.5	46.8	68.2	-21.4	Peak	Horizontal
*	8760.5	33.6	13.9	47.5	68.2	-20.7	Peak	Horizontal
	9432.0	33.7	14.4	48.1	74.0	-25.9	Peak	Horizontal
	11642.0	32.3	19.4	51.7	74.0	-22.3	Peak	Horizontal
*	7953.0	33.7	12.5	46.2	68.2	-22.0	Peak	Vertical
*	8616.0	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
	9491.5	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	11523.0	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	36.5	12.4	48.9	68.2	-19.3	Peak	Horizontal
*	8905.0	33.4	14.0	47.4	68.2	-20.8	Peak	Horizontal
	9364.0	34.5	14.5	49.0	74.0	-25.0	Peak	Horizontal
	10834.5	33.6	18.1	51.7	74.0	-22.3	Peak	Horizontal
*	7919.0	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8760.5	34.2	13.9	48.1	68.2	-20.1	Peak	Vertical
	9440.5	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	11557.0	32.3	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8735.0	32.2	13.9	46.1	68.2	-22.1	Peak	Horizontal
	9423.5	32.4	14.5	46.9	74.0	-27.1	Peak	Horizontal
	10724.0	34.6	17.6	52.2	74.0	-21.8	Peak	Horizontal
*	7885.0	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8981.5	33.3	14.1	47.4	68.2	-20.8	Peak	Vertical
	9398.0	33.5	14.5	48.0	74.0	-26.0	Peak	Vertical
	11650.5	32.5	19.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.7	11.4	47.1	68.2	-21.1	Peak	Horizontal
*	8624.5	34.3	12.5	46.8	68.2	-21.4	Peak	Horizontal
	9466.0	35.1	13.5	48.6	74.0	-25.4	Peak	Horizontal
	11642.0	33.3	18.4	51.7	74.0	-22.3	Peak	Horizontal
*	7893.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8624.5	33.6	13.5	47.1	68.2	-21.1	Peak	Vertical
	9491.5	33.2	14.4	47.6	74.0	-26.4	Peak	Vertical
	11548.5	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7902.0	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8743.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
	9474.5	33.4	14.4	47.8	74.0	-26.2	Peak	Horizontal
	11616.5	32.6	19.4	52.0	74.0	-22.0	Peak	Horizontal
*	7927.5	35.8	12.4	48.2	68.2	-20.0	Peak	Vertical
*	8624.5	34.1	13.5	47.6	68.2	-20.6	Peak	Vertical
	9151.5	33.0	14.7	47.7	74.0	-26.3	Peak	Vertical
	11055.5	33.8	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8743.5	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
	9338.5	33.7	14.6	48.3	74.0	-25.7	Peak	Horizontal
	11625.0	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7987.0	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	8752.0	34.4	13.9	48.3	68.2	-19.9	Peak	Vertical
	9406.5	34.0	14.5	48.5	74.0	-25.5	Peak	Vertical
	11540.0	32.0	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8752.0	34.5	13.9	48.4	68.2	-19.8	Peak	Horizontal
	9406.5	33.0	14.5	47.5	74.0	-26.5	Peak	Horizontal
	11540.0	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7919.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8709.5	33.3	13.8	47.1	68.2	-21.1	Peak	Vertical
	9432.0	33.2	14.4	47.6	74.0	-26.4	Peak	Vertical
	11072.5	33.8	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7893.5	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	8675.5	33.2	13.7	46.9	68.2	-21.3	Peak	Horizontal
	9483.0	33.3	14.4	47.7	74.0	-26.3	Peak	Horizontal
	11064.0	33.5	18.5	52.0	74.0	-22.0	Peak	Horizontal
*	7842.5	33.7	12.4	46.1	68.2	-22.1	Peak	Vertical
*	8760.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	9364.0	33.4	14.5	47.9	74.0	-26.1	Peak	Vertical
	11625.0	32.5	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8650.0	33.8	13.6	47.4	68.2	-20.8	Peak	Horizontal
	9415.0	33.6	14.5	48.1	74.0	-25.9	Peak	Horizontal
	11574.0	32.3	19.5	51.8	74.0	-22.2	Peak	Horizontal
*	7834.0	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8701.0	33.8	13.8	47.6	68.2	-20.6	Peak	Vertical
	9160.0	33.1	14.7	47.8	74.0	-26.2	Peak	Vertical
	11591.0	32.7	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
	9423.5	33.9	14.5	48.4	74.0	-25.6	Peak	Horizontal
	10979.0	34.2	18.5	52.7	74.0	-21.3	Peak	Horizontal
*	7970.0	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
*	8964.5	34.3	14.1	48.4	68.2	-19.8	Peak	Vertical
	9389.5	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical
	11591.0	32.8	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
	9491.5	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	11625.0	32.3	19.4	51.7	74.0	-22.3	Peak	Horizontal
*	7876.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8760.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	9440.5	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	11523.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8004.0	35.7	12.5	48.2	68.2	-20.0	Peak	Horizontal
*	8828.5	33.2	14.0	47.2	68.2	-21.0	Peak	Horizontal
	9474.5	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	11871.5	33.4	18.7	52.1	74.0	-21.9	Peak	Horizontal
*	7842.5	33.6	12.4	46.0	68.2	-22.2	Peak	Vertical
*	8616.0	33.2	13.5	46.7	68.2	-21.5	Peak	Vertical
	9483.0	33.6	14.4	48.0	74.0	-26.0	Peak	Vertical
	11582.5	32.0	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
	9347.0	33.1	14.5	47.6	74.0	-26.4	Peak	Horizontal
	11752.5	33.2	18.9	52.1	74.0	-21.9	Peak	Horizontal
*	7842.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8743.5	33.9	13.9	47.8	68.2	-20.4	Peak	Vertical
	9440.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11616.5	32.0	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8743.5	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
	9466.0	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	11557.0	31.9	19.5	51.4	74.0	-22.6	Peak	Horizontal
*	7927.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8701.0	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
	9457.5	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	11582.5	32.8	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	8845.5	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
	9389.5	32.7	14.5	47.2	74.0	-26.8	Peak	Horizontal
	11574.0	32.7	19.5	52.2	74.0	-21.8	Peak	Horizontal
*	7987.0	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
*	8684.0	34.6	13.7	48.3	68.2	-19.9	Peak	Vertical
	10894.0	34.0	18.3	52.3	74.0	-21.7	Peak	Vertical
	12007.5	33.0	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8769.0	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
	11132.0	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
	12092.5	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	7953.0	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
	10979.0	33.8	18.5	52.3	74.0	-21.7	Peak	Vertical
	11650.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	36.9	12.4	49.3	68.2	-18.9	Peak	Horizontal
*	8735.0	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
	9100.5	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	11514.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7953.0	35.2	12.5	47.7	68.2	-20.5	Peak	Vertical
*	8854.0	32.7	14.0	46.7	68.2	-21.5	Peak	Vertical
	9075.0	34.8	14.3	49.1	74.0	-24.9	Peak	Vertical
	11574.0	33.0	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7953.0	33.7	12.5	46.2	68.2	-22.0	Peak	Horizontal
*	8777.5	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
	9457.5	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	11574.0	32.9	19.5	52.4	74.0	-21.6	Peak	Horizontal
*	7910.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8811.5	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
	9415.0	33.9	14.5	48.4	74.0	-25.6	Peak	Vertical
	11506.0	32.5	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7953.0	35.5	12.5	48.0	68.2	-20.2	Peak	Horizontal
*	8709.5	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
	9160.0	33.2	14.7	47.9	74.0	-26.1	Peak	Horizontal
	11540.0	32.5	19.4	51.9	74.0	-22.1	Peak	Horizontal
*	7953.0	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8896.5	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
	9364.0	33.6	14.5	48.1	74.0	-25.9	Peak	Vertical
	11540.0	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	8675.5	33.5	13.7	47.2	68.2	-21.0	Peak	Horizontal
	9449.0	33.3	14.4	47.7	74.0	-26.3	Peak	Horizontal
	11625.0	33.3	19.4	52.7	74.0	-21.3	Peak	Horizontal
*	7953.0	34.0	12.5	46.5	68.2	-21.7	Peak	Vertical
*	8743.5	33.3	13.9	47.2	68.2	-21.0	Peak	Vertical
	9491.5	34.8	14.4	49.2	74.0	-24.8	Peak	Vertical
	11650.5	32.7	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7834.0	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8624.5	33.8	13.5	47.3	68.2	-20.9	Peak	Horizontal
	9347.0	33.9	14.5	48.4	74.0	-25.6	Peak	Horizontal
	11582.5	32.8	19.5	52.3	74.0	-21.7	Peak	Horizontal
*	7910.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
	9432.0	33.8	14.4	48.2	74.0	-25.8	Peak	Vertical
	11506.0	32.5	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7987.0	35.2	12.5	47.7	68.2	-20.5	Peak	Horizontal
*	8684.0	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
	9381.0	31.7	14.5	46.2	74.0	-27.8	Peak	Horizontal
	11302.0	33.1	18.9	52.0	74.0	-22.0	Peak	Horizontal
*	7876.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8837.0	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
	9432.0	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	11548.5	32.3	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7970.0	35.9	12.5	48.4	68.2	-19.8	Peak	Horizontal
*	8692.5	32.1	13.7	45.8	68.2	-22.4	Peak	Horizontal
	9466.0	33.0	14.4	47.4	74.0	-26.6	Peak	Horizontal
	11582.5	32.4	19.5	51.9	74.0	-22.1	Peak	Horizontal
*	7885.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8667.0	33.3	13.6	46.9	68.2	-21.3	Peak	Vertical
	9381.0	33.6	14.5	48.1	74.0	-25.9	Peak	Vertical
	11565.5	32.7	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8718.0	33.3	13.8	47.1	68.2	-21.1	Peak	Horizontal
	9466.0	33.3	14.4	47.7	74.0	-26.3	Peak	Horizontal
	12092.5	33.3	18.9	52.2	74.0	-21.8	Peak	Horizontal
*	7919.0	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	8743.5	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
	9483.0	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11072.5	33.7	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8896.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
	9474.5	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	11123.5	32.8	18.6	51.4	74.0	-22.6	Peak	Horizontal
*	7910.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
*	8667.0	32.8	13.6	46.4	68.2	-21.8	Peak	Vertical
	9483.0	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical
	11659.0	33.2	19.3	52.5	74.0	-21.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8735.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
	9406.5	32.9	14.5	47.4	74.0	-26.6	Peak	Horizontal
	11591.0	32.5	19.5	52.0	74.0	-22.0	Peak	Horizontal
*	7825.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8692.5	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
	9449.0	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11574.0	32.5	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8760.5	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
	9466.0	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	11701.5	32.2	19.1	51.3	74.0	-22.7	Peak	Horizontal
*	7961.5	34.6	12.5	47.1	68.2	-21.1	Peak	Vertical
*	8658.5	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
	9347.0	33.7	14.5	48.2	74.0	-25.8	Peak	Vertical
	11540.0	32.5	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7825.5	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	8590.5	34.0	13.4	47.4	68.2	-20.8	Peak	Horizontal
	9491.5	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	11149.0	33.0	18.7	51.7	74.0	-22.3	Peak	Horizontal
*	7910.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8769.0	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
	9423.5	34.2	14.5	48.7	74.0	-25.3	Peak	Vertical
	11642.0	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8701.0	34.0	13.8	47.8	68.2	-20.4	Peak	Horizontal
	9491.5	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	11633.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7876.5	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	8837.0	33.3	14.0	47.3	68.2	-20.9	Peak	Vertical
	9440.5	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	11659.0	33.5	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8684.0	32.5	13.7	46.2	68.2	-22.0	Peak	Horizontal
	9338.5	32.8	14.6	47.4	74.0	-26.6	Peak	Horizontal
	11625.0	33.0	19.4	52.4	74.0	-21.6	Peak	Horizontal
*	7910.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8633.0	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
	9483.0	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	11625.0	32.4	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8794.5	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
	9474.5	33.8	14.4	48.2	74.0	-25.8	Peak	Horizontal
	11446.5	33.4	19.2	52.6	74.0	-21.4	Peak	Horizontal
*	7910.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
	9474.5	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical
	11557.0	32.5	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	8675.5	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
	9177.0	33.4	14.7	48.1	74.0	-25.9	Peak	Horizontal
	11650.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7910.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8692.5	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
	9432.0	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11072.5	33.2	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8718.0	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
	9440.5	33.0	14.4	47.4	74.0	-26.6	Peak	Horizontal
	11548.5	33.2	19.4	52.6	74.0	-21.4	Peak	Horizontal
*	7885.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	8616.0	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
	9457.5	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical
	11676.0	32.4	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8692.5	32.4	13.7	46.1	68.2	-22.1	Peak	Horizontal
	9423.5	32.9	14.5	47.4	74.0	-26.6	Peak	Horizontal
	11565.5	32.8	19.5	52.3	74.0	-21.7	Peak	Horizontal
*	7851.0	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8650.0	33.5	13.6	47.1	68.2	-21.1	Peak	Vertical
	9466.0	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11557.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8803.0	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
	9432.0	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	11667.5	32.5	19.3	51.8	74.0	-22.2	Peak	Horizontal
*	7893.5	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8913.5	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
	9466.0	33.2	14.4	47.6	74.0	-26.4	Peak	Vertical
	11446.5	32.8	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7987.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	8735.0	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
	9389.5	33.8	14.5	48.3	74.0	-25.7	Peak	Horizontal
	11565.5	32.7	19.5	52.2	74.0	-21.8	Peak	Horizontal
*	7936.0	34.0	12.4	46.4	68.2	-21.8	Peak	Vertical
*	8735.0	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
	9483.0	33.4	14.4	47.8	74.0	-26.2	Peak	Vertical
	11480.5	32.5	19.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	8684.0	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
	9423.5	32.6	14.5	47.1	74.0	-26.9	Peak	Horizontal
	11497.5	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	7953.0	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8624.5	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
	9491.5	34.0	14.4	48.4	74.0	-25.6	Peak	Vertical
	11625.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
	9440.5	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	11582.5	32.0	19.5	51.5	74.0	-22.5	Peak	Horizontal
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8701.0	32.6	13.8	46.4	68.2	-21.8	Peak	Vertical
	9449.0	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical
	11625.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7893.5	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	8752.0	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
	9126.0	33.2	14.6	47.8	74.0	-26.2	Peak	Horizontal
	11480.5	32.7	19.3	52.0	74.0	-22.0	Peak	Horizontal
*	7876.5	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8675.5	33.5	13.7	47.2	68.2	-21.0	Peak	Vertical
	9483.0	34.8	14.4	49.2	74.0	-24.8	Peak	Vertical
	11574.0	33.1	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7936.0	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8794.5	34.3	13.9	48.2	68.2	-20.0	Peak	Horizontal
	9491.5	34.2	14.4	48.6	74.0	-25.4	Peak	Horizontal
	11557.0	32.5	19.5	52.0	74.0	-22.0	Peak	Horizontal
*	7953.0	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8888.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
	9474.5	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	11625.0	32.8	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	8760.5	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
	9483.0	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	11582.5	32.2	19.5	51.7	74.0	-22.3	Peak	Horizontal
*	7978.5	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
*	8658.5	33.9	13.6	47.5	68.2	-20.7	Peak	Vertical
	9474.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	11599.5	32.8	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7961.5	37.2	12.5	49.7	68.2	-18.5	Peak	Horizontal
*	8735.0	32.4	13.9	46.3	68.2	-21.9	Peak	Horizontal
	9483.0	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
	11633.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7944.5	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	8692.5	34.1	13.7	47.8	68.2	-20.4	Peak	Vertical
	9066.5	33.8	14.3	48.1	74.0	-25.9	Peak	Vertical
	11633.5	33.1	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	8726.5	33.4	13.8	47.2	68.2	-21.0	Peak	Horizontal
	9466.0	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	10877.0	34.1	18.2	52.3	74.0	-21.7	Peak	Horizontal
*	7936.0	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
*	8760.5	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
	9092.0	32.3	14.4	46.7	74.0	-27.3	Peak	Vertical
	11591.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8854.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	9109.0	33.2	14.5	47.7	74.0	-26.3	Peak	Horizontal
	11650.5	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	7978.5	34.9	12.5	47.4	68.2	-20.8	Peak	Vertical
*	8752.0	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
	9491.5	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	10783.5	34.5	17.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8769.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
	9143.0	33.2	14.6	47.8	74.0	-26.2	Peak	Horizontal
	11565.5	33.0	19.5	52.5	74.0	-21.5	Peak	Horizontal
*	7936.0	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8735.0	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
	9466.0	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	12092.5	33.1	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
*	8735.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
	9134.5	32.1	14.6	46.7	74.0	-27.3	Peak	Horizontal
	11735.5	33.6	19.0	52.6	74.0	-21.4	Peak	Horizontal
*	7808.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8786.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
	9432.0	33.3	14.4	47.7	74.0	-26.3	Peak	Vertical
	10945.0	33.9	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7893.5	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	8735.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
	9075.0	32.8	14.3	47.1	74.0	-26.9	Peak	Horizontal
	10970.5	33.6	18.4	52.0	74.0	-22.0	Peak	Horizontal
*	7961.5	33.9	12.5	46.4	68.2	-21.8	Peak	Vertical
*	8709.5	32.4	13.8	46.2	68.2	-22.0	Peak	Vertical
	9364.0	32.8	14.5	47.3	74.0	-26.7	Peak	Vertical
	11540.0	32.4	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8633.0	33.8	13.5	47.3	68.2	-20.9	Peak	Horizontal
	9457.5	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	12092.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	7978.5	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8760.5	32.5	13.9	46.4	68.2	-21.8	Peak	Vertical
	9483.0	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical
	11922.5	33.4	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8004.0	35.6	12.5	48.1	68.2	-20.1	Peak	Horizontal
*	8743.5	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
	9474.5	33.6	14.4	48.0	74.0	-26.0	Peak	Horizontal
	11676.0	33.2	19.2	52.4	74.0	-21.6	Peak	Horizontal
*	7876.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8769.0	31.7	13.9	45.6	68.2	-22.6	Peak	Vertical
	9474.5	33.6	14.4	48.0	74.0	-26.0	Peak	Vertical
	11659.0	32.9	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7825.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	8811.5	31.3	14.0	45.3	68.2	-22.9	Peak	Horizontal
	9474.5	35.1	14.4	49.5	74.0	-24.5	Peak	Horizontal
	11582.5	33.1	19.5	52.6	74.0	-21.4	Peak	Horizontal
*	7842.5	33.1	12.4	45.5	68.2	-22.7	Peak	Vertical
*	8735.0	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
	9423.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	12126.5	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7902.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8709.5	32.9	13.8	46.7	68.2	-21.5	Peak	Horizontal
	9092.0	32.8	14.4	47.2	74.0	-26.8	Peak	Horizontal
	12058.5	33.4	18.8	52.2	74.0	-21.8	Peak	Horizontal
*	7919.0	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8624.5	33.5	13.5	47.0	68.2	-21.2	Peak	Vertical
	9423.5	33.1	14.5	47.6	74.0	-26.4	Peak	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8735.0	33.6	13.9	47.5	68.2	-20.7	Peak	Horizontal
	9457.5	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	11378.5	33.9	19.1	53.0	74.0	-21.0	Peak	Horizontal
*	7910.5	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8684.0	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
	9432.0	33.8	14.4	48.2	74.0	-25.8	Peak	Vertical
	11183.0	33.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8709.5	33.7	13.8	47.5	68.2	-20.7	Peak	Horizontal
	9389.5	33.9	14.5	48.4	74.0	-25.6	Peak	Horizontal
	11574.0	32.8	19.5	52.3	74.0	-21.7	Peak	Horizontal
*	7859.5	36.1	12.4	48.5	68.2	-19.7	Peak	Vertical
*	8675.5	32.5	13.7	46.2	68.2	-22.0	Peak	Vertical
	9432.0	32.5	14.4	46.9	74.0	-27.1	Peak	Vertical
	11497.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8667.0	33.7	13.6	47.3	68.2	-20.9	Peak	Horizontal
	9423.5	32.0	14.5	46.5	74.0	-27.5	Peak	Horizontal
	12075.5	33.0	18.9	51.9	74.0	-22.1	Peak	Horizontal
*	7876.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8684.0	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
	9160.0	33.2	14.7	47.9	74.0	-26.1	Peak	Vertical
	11659.0	32.7	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	8922.0	33.3	14.0	47.3	68.2	-20.9	Peak	Horizontal
	9372.5	33.8	14.5	48.3	74.0	-25.7	Peak	Horizontal
	11642.0	32.9	19.4	52.3	74.0	-21.7	Peak	Horizontal
*	7885.0	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8760.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	9406.5	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	11625.0	32.4	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8726.5	33.4	13.8	47.2	68.2	-21.0	Peak	Horizontal
	9449.0	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
	11693.0	34.0	19.2	53.2	74.0	-20.8	Peak	Horizontal
*	7944.5	36.0	12.5	48.5	68.2	-19.7	Peak	Vertical
*	8760.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
	9143.0	32.1	14.6	46.7	74.0	-27.3	Peak	Vertical
	11106.5	33.7	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8692.5	33.9	13.7	47.6	68.2	-20.6	Peak	Horizontal
	9457.5	33.6	14.4	48.0	74.0	-26.0	Peak	Horizontal
	11633.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7936.0	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8701.0	32.9	13.8	46.7	68.2	-21.5	Peak	Vertical
	9381.0	32.8	14.5	47.3	74.0	-26.7	Peak	Vertical
	11565.5	32.3	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7808.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8735.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
	9134.5	33.2	14.6	47.8	74.0	-26.2	Peak	Horizontal
	11633.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7842.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8692.5	33.8	13.7	47.5	68.2	-20.7	Peak	Vertical
	9338.5	33.1	14.6	47.7	74.0	-26.3	Peak	Vertical
	11693.0	32.9	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8709.5	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
	9100.5	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	10800.5	34.1	17.9	52.0	74.0	-22.0	Peak	Horizontal
*	7851.0	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8743.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
	9449.0	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	11608.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8718.0	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
	9134.5	32.9	14.6	47.5	74.0	-26.5	Peak	Horizontal
	11642.0	33.2	19.4	52.6	74.0	-21.4	Peak	Horizontal
*	7885.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	8786.0	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
	9440.5	33.2	14.4	47.6	74.0	-26.4	Peak	Vertical
	11599.5	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8684.0	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
	9440.5	34.2	14.4	48.6	74.0	-25.4	Peak	Horizontal
	11574.0	32.2	19.5	51.7	74.0	-22.3	Peak	Horizontal
*	7978.5	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	8743.5	32.9	13.9	46.8	68.2	-21.4	Peak	Vertical
	9491.5	34.5	14.4	48.9	74.0	-25.1	Peak	Vertical
	12186.0	33.5	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	8760.5	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
	9432.0	33.8	14.4	48.2	74.0	-25.8	Peak	Horizontal
	11472.0	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	7876.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8854.0	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
	9381.0	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11055.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8998.5	33.0	14.1	47.1	68.2	-21.1	Peak	Horizontal
*	9508.5	34.0	14.4	48.4	68.2	-19.8	Peak	Horizontal
	11123.5	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
	11735.5	31.8	19.0	50.8	74.0	-23.2	Peak	Horizontal
*	7842.5	34.1	12.4	46.5	68.2	-21.7	Peak	Vertical
*	9508.5	33.9	14.4	48.3	68.2	-19.9	Peak	Vertical
	11327.5	30.0	18.9	48.9	74.0	-25.1	Peak	Vertical
	11982.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Horizontal
*	9712.5	34.3	14.7	49.0	68.2	-19.2	Peak	Horizontal
	11608.0	30.3	19.4	49.7	74.0	-24.3	Peak	Horizontal
	11914.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
*	8769.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9559.5	34.5	14.4	48.9	68.2	-19.3	Peak	Vertical
	12126.5	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical
	13367.5	31.5	21.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11a - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Horizontal
*	9712.5	34.3	14.7	49.0	68.2	-19.2	Peak	Horizontal
	11608.0	30.3	19.4	49.7	74.0	-24.3	Peak	Horizontal
	11914.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
*	8769.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	9559.5	34.5	14.4	48.9	68.2	-19.3	Peak	Vertical
	12126.5	31.0	18.9	49.9	74.0	-24.1	Peak	Vertical
	13367.5	31.5	21.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9262.0	32.1	14.8	46.9	68.2	-21.3	Peak	Horizontal
*	9925.0	34.0	15.3	49.3	68.2	-18.9	Peak	Horizontal
	11480.5	30.8	19.3	50.1	74.0	-23.9	Peak	Horizontal
	12398.5	32.2	18.4	50.6	74.0	-23.4	Peak	Horizontal
*	7851.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	9899.5	33.4	15.4	48.8	68.2	-19.4	Peak	Vertical
	11336.0	31.2	19.0	50.2	74.0	-23.8	Peak	Vertical
	11965.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7808.5	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
*	9993.0	32.5	15.4	47.9	68.2	-20.3	Peak	Horizontal
	11327.5	30.6	18.9	49.5	74.0	-24.5	Peak	Horizontal
	11973.5	31.0	18.7	49.7	74.0	-24.3	Peak	Horizontal
*	8701.0	32.1	13.8	45.9	68.2	-22.3	Peak	Vertical
*	9704.0	32.9	14.6	47.5	68.2	-20.7	Peak	Vertical
	11285.0	30.8	18.8	49.6	74.0	-24.4	Peak	Vertical
	12109.5	31.7	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	10426.5	32.7	17.0	49.7	68.2	-18.5	Peak	Horizontal
	11812.0	30.7	18.7	49.4	74.0	-24.6	Peak	Horizontal
	12177.5	30.9	18.8	49.7	74.0	-24.3	Peak	Horizontal
*	8667.0	33.9	13.6	47.5	68.2	-20.7	Peak	Vertical
*	9814.5	33.9	15.4	49.3	68.2	-18.9	Peak	Vertical
	10970.5	31.6	18.4	50.0	74.0	-24.0	Peak	Vertical
	13129.5	30.3	20.1	50.4	74.0	-17.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
*	10171.5	33.2	16.1	49.3	68.2	-18.9	Peak	Horizontal
	11225.5	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
	12577.0	30.6	18.6	49.2	74.0	-24.8	Peak	Horizontal
*	8709.5	31.9	13.8	45.7	68.2	-22.5	Peak	Vertical
*	9202.5	31.8	14.8	46.6	68.2	-21.6	Peak	Vertical
	11344.5	31.3	19.0	50.3	74.0	-23.7	Peak	Vertical
	11931.0	31.0	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7808.5	33.3	12.4	45.7	68.2	-22.5	Peak	Horizontal
*	9636.0	34.2	14.4	48.6	68.2	-19.6	Peak	Horizontal
	11072.5	32.6	18.6	51.2	74.0	-22.8	Peak	Horizontal
	12449.5	33.0	18.4	51.4	74.0	-22.6	Peak	Horizontal
*	7987.0	33.9	12.5	46.4	68.2	-21.8	Peak	Vertical
*	9806.0	32.7	15.2	47.9	68.2	-20.3	Peak	Vertical
	10928.0	32.3	18.4	50.7	74.0	-23.3	Peak	Vertical
	12611.0	32.3	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8973.0	32.7	14.1	46.8	68.2	-21.4	Peak	Horizontal
*	9806.0	32.7	15.2	47.9	68.2	-20.3	Peak	Horizontal
	11684.5	30.6	19.2	49.8	74.0	-24.2	Peak	Horizontal
	12364.5	30.2	18.4	48.6	74.0	-25.4	Peak	Horizontal
*	8947.5	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
*	9942.0	32.4	15.3	47.7	68.2	-20.5	Peak	Vertical
	11387.0	31.3	19.1	50.4	74.0	-23.6	Peak	Vertical
	12364.5	31.1	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9168.5	31.4	14.7	46.1	74.0	-27.9	Peak	Horizontal
*	9942.0	32.6	15.3	47.9	68.2	-20.3	Peak	Horizontal
	11336.0	30.2	19.0	49.2	74.0	-24.8	Peak	Horizontal
	11880.0	30.4	18.6	49.0	74.0	-25.0	Peak	Horizontal
*	8582.0	32.7	13.4	46.1	68.2	-22.1	Peak	Vertical
*	9704.0	32.6	14.6	47.2	68.2	-21.0	Peak	Vertical
	11395.5	29.9	19.1	49.0	74.0	-25.0	Peak	Vertical
	12220.0	30.6	18.7	49.3	74.0	-24.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9219.5	31.9	14.8	46.7	68.2	-21.5	Peak	Horizontal
*	10588.0	32.5	17.3	49.8	68.2	-18.4	Peak	Horizontal
	11208.5	30.5	18.8	49.3	74.0	-24.7	Peak	Horizontal
	12381.5	31.4	18.4	49.8	74.0	-24.2	Peak	Horizontal
*	7859.5	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	8828.5	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
	11531.5	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12407.0	32.1	18.4	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8658.5	32.8	13.6	46.4	68.2	-21.8	Peak	Horizontal
*	9593.5	34.8	14.4	49.2	68.2	-19.0	Peak	Horizontal
	11786.5	30.7	18.8	49.5	74.0	-24.5	Peak	Horizontal
	12662.0	30.5	18.7	49.2	74.0	-24.8	Peak	Horizontal
*	8599.0	32.1	13.4	45.5	68.2	-22.7	Peak	Vertical
*	10163.0	32.7	16.0	48.7	68.2	-19.5	Peak	Vertical
	11667.5	31.0	19.3	50.3	74.0	-23.7	Peak	Vertical
	12220.0	30.6	18.7	49.3	74.0	-24.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8599.0	32.1	13.4	45.5	68.2	-22.7	Peak	Horizontal
*	9993.0	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	11310.5	30.0	18.9	48.9	74.0	-25.1	Peak	Horizontal
	12058.5	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
*	8973.0	32.1	14.1	46.2	68.2	-22.0	Peak	Horizontal
*	10010.0	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
	11276.5	30.0	18.8	48.8	74.0	-25.2	Peak	Vertical
	12390.0	30.5	18.4	48.9	74.0	-25.1	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8973.0	32.1	14.1	46.2	68.2	-22.0	Peak	Horizontal
*	9593.5	33.4	14.4	47.8	68.2	-20.4	Peak	Horizontal
	11429.5	31.3	19.2	50.5	74.0	-23.5	Peak	Horizontal
	11948.0	31.3	18.6	49.9	74.0	-24.1	Peak	Horizontal
*	8981.5	32.3	14.1	46.4	68.2	-21.8	Peak	Vertical
*	9959.0	32.2	15.3	47.5	68.2	-20.7	Peak	Vertical
	11897.0	30.4	18.6	49.0	74.0	-25.0	Peak	Vertical
	12330.5	30.0	18.5	48.5	74.0	-25.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9559.5	34.0	14.4	48.4	68.2	-19.8	Peak	Horizontal
*	10783.5	32.6	17.8	50.4	74.0	-23.6	Peak	Horizontal
	11897.0	30.4	18.6	49.0	74.0	-25.0	Peak	Horizontal
	12662.0	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
*	9559.5	34.0	14.4	48.4	68.2	-19.8	Peak	Vertical
*	10443.5	32.4	17.1	49.5	68.2	-18.7	Peak	Vertical
	10970.5	31.6	18.4	50.0	74.0	-24.0	Peak	Vertical
	13282.5	29.7	20.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8539.5	32.4	13.1	45.5	68.2	-22.7	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	11897.0	30.1	18.6	48.7	74.0	-25.3	Peak	Horizontal
	12220.0	30.6	18.7	49.3	74.0	-24.7	Peak	Horizontal
*	9381.0	32.4	14.5	46.9	74.0	-27.1	Peak	Vertical
*	9993.0	32.7	15.4	48.1	68.2	-20.1	Peak	Vertical
	11378.5	30.3	19.1	49.4	74.0	-24.6	Peak	Vertical
	12551.5	31.3	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8743.5	33.7	13.9	47.6	68.2	-20.6	Peak	Horizontal
*	10078.0	35.1	15.6	50.7	68.2	-17.5	Peak	Horizontal
	11378.5	32.3	19.1	51.4	74.0	-22.6	Peak	Horizontal
	12517.5	33.0	18.6	51.6	74.0	-22.4	Peak	Horizontal
*	9712.5	34.5	14.7	49.2	68.2	-19.0	Peak	Vertical
*	10171.5	33.1	16.1	49.2	68.2	-19.0	Peak	Vertical
	11327.5	31.2	18.9	50.1	74.0	-23.9	Peak	Vertical
	12067.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9636.0	34.7	14.4	49.1	68.2	-19.1	Peak	Horizontal
*	10358.5	32.2	16.8	49.0	68.2	-19.2	Peak	Horizontal
	11480.5	31.4	19.3	50.7	74.0	-23.3	Peak	Horizontal
	12220.0	30.8	18.7	49.5	74.0	-24.5	Peak	Horizontal
*	8582.0	32.2	13.4	45.6	68.2	-22.6	Peak	Vertical
*	9993.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	11285.0	30.6	18.8	49.4	74.0	-24.6	Peak	Vertical
	12109.5	31.2	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8582.0	32.2	13.4	45.6	68.2	-22.6	Peak	Horizontal
*	9593.5	33.6	14.4	48.0	68.2	-20.2	Peak	Horizontal
	10936.5	32.7	18.4	51.1	74.0	-22.9	Peak	Horizontal
	11557.0	32.9	19.5	52.4	74.0	-21.6	Peak	Horizontal
*	8777.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	10078.0	33.6	15.6	49.2	68.2	-19.0	Peak	Vertical
	11693.0	31.0	19.2	50.2	74.0	-23.8	Peak	Vertical
	12390.0	30.3	18.4	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.3	13.7	47.0	68.2	-21.2	Peak	Horizontal
*	10078.0	33.6	15.6	49.2	68.2	-19.0	Peak	Horizontal
	11599.5	30.5	19.4	49.9	74.0	-24.1	Peak	Horizontal
	12279.5	32.2	18.6	50.8	74.0	-23.2	Peak	Horizontal
*	8675.5	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
*	9908.0	33.2	15.3	48.5	68.2	-19.7	Peak	Vertical
	11327.5	30.8	18.9	49.7	74.0	-24.3	Peak	Vertical
	11863.0	32.0	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9721.0	33.8	14.7	48.5	68.2	-19.7	Peak	Horizontal
*	10375.5	32.7	16.9	49.6	68.2	-18.6	Peak	Horizontal
	11123.5	31.4	18.6	50.0	74.0	-24.0	Peak	Horizontal
	12271.0	30.8	18.6	49.4	74.0	-24.6	Peak	Horizontal
*	9721.0	33.8	14.7	48.5	68.2	-19.7	Peak	Vertical
*	10214.0	33.4	16.3	49.7	68.2	-18.5	Peak	Vertical
	11208.5	31.0	18.8	49.8	74.0	-24.2	Peak	Vertical
	11769.5	30.8	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
*	9780.5	34.1	14.9	49.0	68.2	-19.2	Peak	Horizontal
	11208.5	31.0	18.8	49.8	74.0	-24.2	Peak	Horizontal
	12169.0	30.6	18.8	49.4	74.0	-24.6	Peak	Horizontal
*	8701.0	33.0	13.8	46.8	68.2	-21.4	Peak	Vertical
*	9772.0	33.5	14.9	48.4	68.2	-19.8	Peak	Vertical
	11174.5	31.5	18.7	50.2	74.0	-23.8	Peak	Vertical
	11599.5	30.9	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8012.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	8769.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
	9449.0	32.8	14.4	47.2	74.0	-26.8	Peak	Horizontal
	11557.0	32.9	19.5	52.4	74.0	-21.6	Peak	Horizontal
*	9712.5	34.0	14.7	48.7	68.2	-19.5	Peak	Vertical
*	10171.5	33.1	16.1	49.2	68.2	-19.0	Peak	Vertical
	11174.5	31.8	18.7	50.5	74.0	-23.5	Peak	Vertical
	11914.0	32.1	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9712.5	34.0	14.7	48.7	68.2	-19.5	Peak	Horizontal
*	10137.5	34.2	15.9	50.1	68.2	-18.1	Peak	Horizontal
	11531.5	31.0	19.4	50.4	74.0	-23.6	Peak	Horizontal
	12050.0	32.1	18.8	50.9	74.0	-23.1	Peak	Horizontal
*	9967.5	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
*	10503.0	33.3	17.2	50.5	68.2	-17.7	Peak	Vertical
	11140.5	32.1	18.7	50.8	74.0	-23.2	Peak	Vertical
	12050.0	32.1	18.8	50.9	74.0	-23.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9967.5	33.2	15.3	48.5	68.2	-19.7	Peak	Horizontal
*	10358.5	33.4	16.8	50.2	68.2	-18.0	Peak	Horizontal
	11531.5	32.1	19.4	51.5	74.0	-22.5	Peak	Horizontal
	12126.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Vertical
*	10120.5	34.2	15.8	50.0	68.2	-18.2	Peak	Vertical
	11327.5	30.9	18.9	49.8	74.0	-24.2	Peak	Vertical
	12126.5	31.7	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9678.5	34.1	14.6	48.7	68.2	-19.5	Peak	Horizontal
*	10171.5	32.4	16.1	48.5	68.2	-19.7	Peak	Horizontal
	11327.5	30.4	18.9	49.3	74.0	-24.7	Peak	Horizontal
	11854.5	31.3	18.7	50.0	74.0	-24.0	Peak	Horizontal
*	8811.5	33.0	14.0	47.0	68.2	-21.2	Peak	Horizontal
*	10112.0	34.3	15.8	50.1	68.2	-18.1	Peak	Vertical
	11251.0	32.0	18.8	50.8	74.0	-23.2	Peak	Vertical
	11854.5	31.3	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8811.5	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
*	9942.0	32.9	15.3	48.2	68.2	-20.0	Peak	Horizontal
	11021.5	31.6	18.5	50.1	74.0	-23.9	Peak	Horizontal
	11939.5	32.5	18.6	51.1	74.0	-22.9	Peak	Horizontal
*	8752.0	33.3	13.9	47.2	68.2	-21.0	Peak	Vertical
*	10069.5	34.3	15.6	49.9	68.2	-18.3	Peak	Vertical
	10877.0	32.7	18.2	50.9	74.0	-23.1	Peak	Vertical
	11523.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
*	10018.5	33.9	15.4	49.3	68.2	-18.9	Peak	Horizontal
	11149.0	32.4	18.7	51.1	74.0	-22.9	Peak	Horizontal
	11939.5	31.5	18.6	50.1	74.0	-23.9	Peak	Horizontal
*	9636.0	35.2	14.4	49.6	68.2	-18.6	Peak	Vertical
*	10222.5	34.1	16.3	50.4	68.2	-17.8	Peak	Vertical
	10826.0	32.9	18.0	50.9	74.0	-23.1	Peak	Vertical
	11939.5	31.5	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9636.0	35.2	14.4	49.6	68.2	-18.6	Peak	Horizontal
*	10401.0	33.1	16.9	50.0	68.2	-18.2	Peak	Horizontal
	11472.0	32.2	19.3	51.5	74.0	-22.5	Peak	Horizontal
	12169.0	31.5	18.8	50.3	74.0	-23.7	Peak	Horizontal
*	9865.5	32.9	16.0	48.9	68.2	-19.3	Peak	Vertical
*	10273.5	34.3	16.5	50.8	68.2	-17.4	Peak	Vertical
	11455.0	33.1	19.2	52.3	74.0	-21.7	Peak	Vertical
	12067.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9593.5	34.5	14.4	48.9	68.2	-19.3	Peak	Horizontal
*	10520.0	33.6	17.2	50.8	68.2	-17.4	Peak	Horizontal
	11149.0	31.9	18.7	50.6	74.0	-23.4	Peak	Horizontal
	12109.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	9789.0	35.0	15.0	50.0	68.2	-18.2	Peak	Vertical
*	10129.0	34.9	15.9	50.8	68.2	-17.4	Peak	Vertical
	11446.5	33.1	19.2	52.3	74.0	-21.7	Peak	Vertical
	12322.0	32.2	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9551.0	34.5	14.4	48.9	68.2	-19.3	Peak	Horizontal
*	10307.5	32.4	16.6	49.0	68.2	-19.2	Peak	Horizontal
	11327.5	30.7	18.9	49.6	74.0	-24.4	Peak	Horizontal
	12169.0	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
*	9729.5	34.6	14.7	49.3	68.2	-18.9	Peak	Vertical
*	10375.5	34.6	16.9	51.5	68.2	-16.7	Peak	Vertical
	11591.0	32.7	19.5	52.2	74.0	-21.8	Peak	Vertical
	12169.0	31.8	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9857.0	32.9	16.2	49.1	68.2	-19.1	Peak	Horizontal
	11327.5	31.1	18.9	50.0	74.0	-24.0	Peak	Horizontal
	12007.5	31.6	18.7	50.3	74.0	-23.7	Peak	Horizontal
*	9653.0	35.5	14.5	50.0	68.2	-18.2	Peak	Vertical
*	10469.0	33.9	17.1	51.0	68.2	-17.2	Peak	Vertical
	11480.5	32.2	19.3	51.5	74.0	-22.5	Peak	Vertical
	12007.5	31.6	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9653.0	35.5	14.5	50.0	68.2	-18.2	Peak	Horizontal
*	10426.5	33.4	17.0	50.4	68.2	-17.8	Peak	Horizontal
	11081.0	32.6	18.6	51.2	74.0	-22.8	Peak	Horizontal
	11897.0	31.0	18.6	49.6	74.0	-24.4	Peak	Horizontal
*	8633.0	33.8	13.5	47.3	68.2	-20.9	Peak	Vertical
*	10214.0	33.8	16.3	50.1	68.2	-18.1	Peak	Vertical
	10928.0	33.2	18.4	51.6	74.0	-22.4	Peak	Vertical
	12118.0	32.4	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8633.0	33.8	13.5	47.3	68.2	-20.9	Peak	Horizontal
*	10035.5	33.2	15.5	48.7	68.2	-19.5	Peak	Horizontal
	11276.5	31.3	18.8	50.1	74.0	-23.9	Peak	Horizontal
	12033.0	33.1	18.8	51.9	74.0	-22.1	Peak	Horizontal
*	8743.5	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
*	10180.0	35.1	16.1	51.2	68.2	-17.0	Peak	Vertical
	11412.5	31.7	19.1	50.8	74.0	-23.2	Peak	Vertical
	12058.5	31.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9746.5	34.5	14.8	49.3	68.2	-18.9	Peak	Horizontal
*	10137.5	34.4	15.9	50.3	68.2	-17.9	Peak	Horizontal
	11370.0	31.5	19.0	50.5	74.0	-23.5	Peak	Horizontal
	12092.5	31.7	18.9	50.6	74.0	-23.4	Peak	Horizontal
*	8769.0	31.1	13.9	45.0	68.2	-23.2	Peak	Vertical
*	10375.5	34.2	16.9	51.1	68.2	-17.1	Peak	Vertical
	11123.5	32.5	18.6	51.1	74.0	-22.9	Peak	Vertical
	12092.5	31.7	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	31.1	13.9	45.0	68.2	-23.2	Peak	Horizontal
*	9857.0	32.1	16.2	48.3	68.2	-19.9	Peak	Horizontal
	11378.5	32.4	19.1	51.5	74.0	-22.5	Peak	Horizontal
	12092.5	32.6	18.9	51.5	74.0	-22.5	Peak	Horizontal
*	8633.0	33.2	13.5	46.7	68.2	-21.5	Peak	Vertical
*	10307.5	33.0	16.6	49.6	68.2	-18.6	Peak	Vertical
	10868.5	32.4	18.2	50.6	74.0	-23.4	Peak	Vertical
	12305.0	32.6	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8633.0	33.2	13.5	46.7	68.2	-21.5	Peak	Horizontal
*	9840.0	34.1	16.0	50.1	68.2	-18.1	Peak	Horizontal
	10826.0	34.1	18.0	52.1	74.0	-21.9	Peak	Horizontal
	12092.5	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8726.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	10086.5	34.5	15.7	50.2	68.2	-18.0	Peak	Vertical
	11021.5	32.5	18.5	51.0	74.0	-23.0	Peak	Vertical
	12092.5	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8726.5	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
*	9636.0	33.9	14.4	48.3	68.2	-19.9	Peak	Horizontal
	11123.5	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
	12092.5	32.3	18.9	51.2	74.0	-22.8	Peak	Horizontal
*	8828.5	33.2	14.0	47.2	68.2	-21.0	Peak	Vertical
*	10324.5	33.8	16.7	50.5	68.2	-17.7	Peak	Vertical
	11285.0	31.0	18.8	49.8	74.0	-24.2	Peak	Vertical
	12092.5	32.3	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8786.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
*	10316.0	32.2	16.7	48.9	68.2	-19.3	Peak	Horizontal
	11268.0	30.3	18.8	49.1	74.0	-24.9	Peak	Horizontal
	11540.0	32.4	19.4	51.8	74.0	-22.2	Peak	Horizontal
*	9899.5	33.7	15.4	49.1	68.2	-19.1	Peak	Vertical
*	10222.5	33.5	16.3	49.8	68.2	-18.4	Peak	Vertical
	11540.0	32.4	19.4	51.8	74.0	-22.2	Peak	Vertical
	12084.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	10154.5	35.8	16.0	51.8	68.2	-16.4	Peak	Horizontal
	11072.5	33.1	18.6	51.7	74.0	-22.3	Peak	Horizontal
	12262.5	32.6	18.6	51.2	74.0	-22.8	Peak	Horizontal
*	8692.5	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
*	10282.0	33.3	16.5	49.8	68.2	-18.4	Peak	Vertical
	11480.5	31.3	19.3	50.6	74.0	-23.4	Peak	Vertical
	12262.5	32.6	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	33.4	13.6	47.0	68.2	-21.2	Peak	Horizontal
*	10052.5	32.8	15.5	48.3	68.2	-19.9	Peak	Horizontal
	10936.5	33.5	18.4	51.9	74.0	-22.1	Peak	Horizontal
	11982.0	33.2	18.7	51.9	74.0	-22.1	Peak	Horizontal
*	8777.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	10035.5	33.1	15.5	48.6	68.2	-19.6	Peak	Vertical
	11149.0	32.5	18.7	51.2	74.0	-22.8	Peak	Vertical
	11633.5	33.1	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8803.0	33.0	14.0	47.0	68.2	-21.2	Peak	Horizontal
*	10001.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	11421.0	32.3	19.1	51.4	74.0	-22.6	Peak	Horizontal
	12084.0	32.6	18.9	51.5	74.0	-22.5	Peak	Horizontal
*	8752.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
*	10469.0	33.7	17.1	50.8	68.2	-17.4	Peak	Vertical
	11200.0	33.3	18.7	52.0	74.0	-22.0	Peak	Vertical
	12084.0	32.6	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	9636.0	34.3	14.4	48.7	68.2	-19.5	Peak	Horizontal
	10996.0	32.5	18.5	51.0	74.0	-23.0	Peak	Horizontal
	12033.0	32.2	18.8	51.0	74.0	-23.0	Peak	Horizontal
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
*	10035.5	33.5	15.5	49.0	68.2	-19.2	Peak	Vertical
	11140.5	33.9	18.7	52.6	74.0	-21.4	Peak	Vertical
	12033.0	32.2	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Horizontal
*	9721.0	34.7	14.7	49.4	68.2	-18.8	Peak	Horizontal
	11140.5	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
	12109.5	32.7	18.9	51.6	74.0	-22.4	Peak	Horizontal
*	8701.0	33.5	13.8	47.3	68.2	-20.9	Peak	Vertical
*	9899.5	34.5	15.4	49.9	68.2	-18.3	Peak	Vertical
	11021.5	32.0	18.5	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.5	13.8	47.3	68.2	-20.9	Peak	Horizontal
*	10018.5	33.9	15.4	49.3	68.2	-18.9	Peak	Horizontal
	11132.0	32.8	18.6	51.4	74.0	-22.6	Peak	Horizontal
	12092.5	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Vertical
*	9984.5	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	10987.5	32.3	18.5	50.8	74.0	-23.2	Peak	Vertical
	12092.5	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.3	13.7	47.0	68.2	-21.2	Peak	Horizontal
*	9780.5	34.1	14.9	49.0	68.2	-19.2	Peak	Horizontal
	10987.5	33.0	18.5	51.5	74.0	-22.5	Peak	Horizontal
	12007.5	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
*	8607.5	34.3	13.5	47.8	68.2	-20.4	Peak	Vertical
*	10367.0	33.6	16.8	50.4	68.2	-17.8	Peak	Vertical
	11089.5	32.4	18.6	51.0	74.0	-23.0	Peak	Vertical
	12007.5	32.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8607.5	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
*	10078.0	34.3	15.6	49.9	68.2	-18.3	Peak	Horizontal
	10749.5	33.5	17.7	51.2	74.0	-22.8	Peak	Horizontal
	11072.5	32.4	18.6	51.0	74.0	-23.0	Peak	Horizontal
*	7961.5	34.0	12.5	46.5	68.2	-21.7	Peak	Vertical
*	8735.0	33.7	13.9	47.6	68.2	-20.6	Peak	Vertical
	11072.5	32.4	18.6	51.0	74.0	-23.0	Peak	Vertical
	11693.0	30.9	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8794.5	32.9	13.9	46.8	68.2	-21.4	Peak	Horizontal
*	9678.5	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
	11038.5	33.5	18.5	52.0	74.0	-22.0	Peak	Horizontal
	12152.0	32.5	18.9	51.4	74.0	-22.6	Peak	Horizontal
*	8862.5	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
*	10018.5	34.8	15.4	50.2	68.2	-18.0	Peak	Vertical
	11378.5	32.1	19.1	51.2	74.0	-22.8	Peak	Vertical
	12152.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8684.0	32.3	13.7	46.0	68.2	-22.2	Peak	Horizontal
*	10120.5	34.5	15.8	50.3	68.2	-17.9	Peak	Horizontal
	10749.5	33.8	17.7	51.5	74.0	-22.5	Peak	Horizontal
	11489.0	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	8743.5	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	10469.0	34.2	17.1	51.3	68.2	-16.9	Peak	Vertical
	11489.0	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical
	12067.0	33.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8743.5	33.8	13.9	47.7	68.2	-20.5	Peak	Horizontal
*	9746.5	35.1	14.8	49.9	68.2	-18.3	Peak	Horizontal
	11132.0	33.2	18.6	51.8	74.0	-22.2	Peak	Horizontal
	11982.0	32.3	18.7	51.0	74.0	-23.0	Peak	Horizontal
*	8658.5	33.5	13.6	47.1	68.2	-21.1	Peak	Vertical
*	10078.0	34.3	15.6	49.9	68.2	-18.3	Peak	Vertical
	11353.0	30.6	19.0	49.6	74.0	-24.4	Peak	Vertical
	11982.0	32.3	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8658.5	33.5	13.6	47.1	68.2	-21.1	Peak	Horizontal
*	9687.0	33.6	14.6	48.2	68.2	-20.0	Peak	Horizontal
	10894.0	32.6	18.3	50.9	74.0	-23.1	Peak	Horizontal
	12186.0	32.2	18.8	51.0	74.0	-23.0	Peak	Horizontal
*	8718.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
*	10044.0	34.0	15.5	49.5	68.2	-18.7	Peak	Vertical
	11463.5	31.9	19.3	51.2	74.0	-22.8	Peak	Vertical
	12186.0	32.2	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
*	9636.0	34.6	14.4	49.0	68.2	-19.2	Peak	Horizontal
	10970.5	32.9	18.4	51.3	74.0	-22.7	Peak	Horizontal
	12441.0	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
*	8854.0	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
*	10375.5	33.4	16.9	50.3	68.2	-17.9	Peak	Vertical
	12118.0	31.4	18.9	50.3	74.0	-23.7	Peak	Vertical
	12500.5	30.7	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
*	9899.5	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	11021.5	32.4	18.5	50.9	74.0	-23.1	Peak	Horizontal
	11574.0	33.1	19.5	52.6	74.0	-21.4	Peak	Horizontal
*	8888.0	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
*	10078.0	32.8	15.6	48.4	68.2	-19.8	Peak	Vertical
	11021.5	32.4	18.5	50.9	74.0	-23.1	Peak	Vertical
	12007.5	31.7	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8641.5	32.4	13.5	45.9	68.2	-22.3	Peak	Horizontal
*	9670.0	34.6	14.5	49.1	68.2	-19.1	Peak	Horizontal
	10826.0	34.0	18.0	52.0	74.0	-22.0	Peak	Horizontal
	12092.5	33.2	18.9	52.1	74.0	-21.9	Peak	Horizontal
*	8709.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	9721.0	34.7	14.7	49.4	68.2	-18.8	Peak	Vertical
	11072.5	31.6	18.6	50.2	74.0	-23.8	Peak	Vertical
	12092.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8709.5	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
*	9993.0	32.7	15.4	48.1	68.2	-20.1	Peak	Horizontal
	11582.5	32.7	19.5	52.2	74.0	-21.8	Peak	Horizontal
	12611.0	32.6	18.7	51.3	74.0	-22.7	Peak	Horizontal
*	8658.5	32.5	13.6	46.1	68.2	-22.1	Peak	Vertical
*	9874.0	33.8	15.8	49.6	68.2	-18.6	Peak	Vertical
	11302.0	31.9	18.9	50.8	74.0	-23.2	Peak	Vertical
	12169.0	31.7	18.8	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8658.5	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
*	9814.5	33.5	15.4	48.9	68.2	-19.3	Peak	Horizontal
	10979.0	33.3	18.5	51.8	74.0	-22.2	Peak	Horizontal
	11633.5	33.0	19.4	52.4	74.0	-21.6	Peak	Horizontal
*	8718.0	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	10324.5	33.8	16.7	50.5	68.2	-17.7	Peak	Vertical
	11633.5	33.0	19.4	52.4	74.0	-21.6	Peak	Vertical
	12526.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8718.0	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
*	10188.5	34.5	16.2	50.7	68.2	-17.5	Peak	Horizontal
	11140.5	32.8	18.7	51.5	74.0	-22.5	Peak	Horizontal
	12092.5	33.5	18.9	52.4	74.0	-21.6	Peak	Horizontal
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Vertical
*	10035.5	34.9	15.5	50.4	68.2	-17.8	Peak	Vertical
	11047.0	32.3	18.5	50.8	74.0	-23.2	Peak	Vertical
	12092.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.7	13.7	47.4	68.2	-20.8	Peak	Horizontal
*	10112.0	35.3	15.8	51.1	68.2	-17.1	Peak	Horizontal
	11021.5	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
	11582.5	31.7	19.5	51.2	74.0	-22.8	Peak	Horizontal
*	8735.0	34.1	13.9	48.0	68.2	-20.2	Peak	Vertical
*	10112.0	34.2	15.8	50.0	68.2	-18.2	Peak	Vertical
	11582.5	31.7	19.5	51.2	74.0	-22.8	Peak	Vertical
	12092.5	32.6	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9865.5	34.6	16.0	50.6	68.2	-17.6	Peak	Horizontal
	11344.5	32.6	19.0	51.6	74.0	-22.4	Peak	Horizontal
	12203.0	33.3	18.8	52.1	74.0	-21.9	Peak	Horizontal
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
*	10112.0	34.0	15.8	49.8	68.2	-18.4	Peak	Vertical
	11446.5	32.4	19.2	51.6	74.0	-22.4	Peak	Vertical
	12092.5	32.3	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	9823.0	33.2	15.6	48.8	68.2	-19.4	Peak	Horizontal
	11123.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
	12084.0	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8684.0	34.1	13.7	47.8	68.2	-20.4	Peak	Vertical
*	10290.5	34.5	16.6	51.1	68.2	-17.1	Peak	Vertical
	11242.5	32.3	18.8	51.1	74.0	-22.9	Peak	Vertical
	12084.0	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Horizontal
*	10231.0	35.0	16.4	51.4	68.2	-16.8	Peak	Horizontal
	11081.0	33.8	18.6	52.4	74.0	-21.6	Peak	Horizontal
	12160.5	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8692.5	33.4	13.7	47.1	68.2	-21.1	Peak	Vertical
*	10273.5	33.5	16.5	50.0	68.2	-18.2	Peak	Vertical
	11157.5	32.8	18.7	51.5	74.0	-22.5	Peak	Vertical
	12177.5	32.8	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	9891.0	34.4	15.5	49.9	68.2	-18.3	Peak	Horizontal
	11642.0	31.2	19.4	50.6	74.0	-23.4	Peak	Horizontal
	12177.5	32.8	18.8	51.6	74.0	-22.4	Peak	Horizontal
*	8701.0	34.2	13.8	48.0	68.2	-20.2	Peak	Vertical
*	10069.5	33.8	15.6	49.4	68.2	-18.8	Peak	Vertical
	11523.0	32.6	19.4	52.0	74.0	-22.0	Peak	Vertical
	12033.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8684.0	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	10120.5	35.4	15.8	51.2	68.2	-17.0	Peak	Horizontal
	11276.5	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
	12033.0	32.9	18.8	51.7	74.0	-22.3	Peak	Horizontal
*	8684.0	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	9780.5	34.7	14.9	49.6	68.2	-18.6	Peak	Vertical
	11497.5	32.3	19.3	51.6	74.0	-22.4	Peak	Vertical
	12415.5	32.1	18.4	50.5	74.0	-23.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8760.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	9823.0	34.4	15.6	50.0	68.2	-18.2	Peak	Horizontal
	10877.0	32.8	18.2	51.0	74.0	-23.0	Peak	Horizontal
	12415.5	32.1	18.4	50.5	74.0	-23.5	Peak	Horizontal
*	8760.5	33.3	13.9	47.2	68.2	-21.0	Peak	Vertical
*	9908.0	32.9	15.3	48.2	68.2	-20.0	Peak	Vertical
	10962.0	34.0	18.4	52.4	74.0	-21.6	Peak	Vertical
	12084.0	32.4	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8684.0	33.2	13.7	46.9	68.2	-21.3	Peak	Horizontal
*	10018.5	34.4	15.4	49.8	68.2	-18.4	Peak	Horizontal
	10970.5	32.1	18.4	50.5	74.0	-23.5	Peak	Horizontal
	12084.0	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	8684.0	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
*	9874.0	33.7	15.8	49.5	68.2	-18.7	Peak	Vertical
	10894.0	34.0	18.3	52.3	74.0	-21.7	Peak	Vertical
	12118.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8820.0	32.8	14.0	46.8	68.2	-21.4	Peak	Horizontal
*	10112.0	35.1	15.8	50.9	68.2	-17.3	Peak	Horizontal
	11497.5	32.9	19.3	52.2	74.0	-21.8	Peak	Horizontal
	12483.5	32.6	18.5	51.1	74.0	-22.9	Peak	Horizontal
*	8820.0	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
*	9857.0	32.3	16.2	48.5	68.2	-19.7	Peak	Vertical
	11021.5	32.3	18.5	50.8	74.0	-23.2	Peak	Vertical
	11667.5	32.4	19.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	33.4	13.6	47.0	68.2	-21.2	Peak	Horizontal
*	10035.5	34.6	15.5	50.1	68.2	-18.1	Peak	Horizontal
	11412.5	31.5	19.1	50.6	74.0	-23.4	Peak	Horizontal
	12296.5	32.6	18.6	51.2	74.0	-22.8	Peak	Horizontal
*	8667.0	33.4	13.6	47.0	68.2	-21.2	Peak	Vertical
*	10120.5	34.7	15.8	50.5	68.2	-17.7	Peak	Vertical
	11234.0	32.7	18.8	51.5	74.0	-22.5	Peak	Vertical
	11990.5	32.7	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	10137.5	35.1	15.9	51.0	68.2	-17.2	Peak	Horizontal
	11072.5	32.7	18.6	51.3	74.0	-22.7	Peak	Horizontal
	11990.5	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
*	8769.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	9933.5	34.9	15.3	50.2	68.2	-18.0	Peak	Vertical
	10783.5	33.6	17.8	51.4	74.0	-22.6	Peak	Vertical
	11667.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Horizontal
*	9763.5	34.0	14.9	48.9	68.2	-19.3	Peak	Horizontal
	10783.5	33.6	17.8	51.4	74.0	-22.6	Peak	Horizontal
	12050.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
*	10035.5	34.6	15.5	50.1	68.2	-18.1	Peak	Vertical
	11072.5	33.6	18.6	52.2	74.0	-21.8	Peak	Vertical
	11752.5	32.9	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	9865.5	33.5	16.0	49.5	68.2	-18.7	Peak	Horizontal
	11140.5	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
	11752.5	32.9	18.9	51.8	74.0	-22.2	Peak	Horizontal
*	8769.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10078.0	34.1	15.6	49.7	68.2	-18.5	Peak	Vertical
	10877.0	33.5	18.2	51.7	74.0	-22.3	Peak	Vertical
	11914.0	32.3	18.6	50.9	74.0	-23.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	9806.0	34.7	15.2	49.9	68.2	-18.3	Peak	Horizontal
	11157.5	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
	11999.0	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
*	8735.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	9967.5	34.4	15.3	49.7	68.2	-18.5	Peak	Vertical
	11429.5	31.9	19.2	51.1	74.0	-22.9	Peak	Vertical
	12067.0	31.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	34.5	13.8	48.3	68.2	-19.9	Peak	Horizontal
*	10129.0	34.3	15.9	50.2	68.2	-18.0	Peak	Horizontal
	10945.0	32.0	18.4	50.4	74.0	-23.6	Peak	Horizontal
	12067.0	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
*	8701.0	34.5	13.8	48.3	68.2	-19.9	Peak	Vertical
*	9729.5	34.7	14.7	49.4	68.2	-18.8	Peak	Vertical
	11429.5	31.4	19.2	50.6	74.0	-23.4	Peak	Vertical
	12169.0	32.1	18.8	50.9	74.0	-23.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8684.0	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	10001.5	33.9	15.4	49.3	68.2	-18.9	Peak	Horizontal
	10851.5	34.9	18.1	53.0	74.0	-21.0	Peak	Horizontal
	12169.0	32.1	18.8	50.9	74.0	-23.1	Peak	Horizontal
*	8684.0	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	10078.0	35.0	15.6	50.6	68.2	-17.6	Peak	Vertical
	11506.0	32.4	19.4	51.8	74.0	-22.2	Peak	Vertical
	12050.0	33.0	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
*	9908.0	35.1	15.3	50.4	68.2	-17.8	Peak	Horizontal
	10928.0	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	12050.0	31.4	18.8	50.2	74.0	-23.8	Peak	Horizontal
*	8701.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	10010.0	34.8	15.4	50.2	68.2	-18.0	Peak	Vertical
	11446.5	31.8	19.2	51.0	74.0	-23.0	Peak	Vertical
	12228.5	31.1	18.7	49.8	74.0	-24.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8726.5	32.9	13.8	46.7	68.2	-21.5	Peak	Horizontal
*	10307.5	34.0	16.6	50.6	68.2	-17.6	Peak	Horizontal
	11302.0	30.9	18.9	49.8	74.0	-24.2	Peak	Horizontal
	12228.5	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	8726.5	32.9	13.8	46.7	68.2	-21.5	Peak	Vertical
*	9644.5	35.2	14.4	49.6	68.2	-18.6	Peak	Vertical
	11336.0	31.6	19.0	50.6	74.0	-23.4	Peak	Vertical
	12084.0	32.4	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8794.5	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9882.5	34.2	15.6	49.8	68.2	-18.4	Peak	Horizontal
	11574.0	33.3	19.5	52.8	74.0	-21.2	Peak	Horizontal
	12084.0	32.4	18.9	51.3	74.0	-22.7	Peak	Horizontal
*	8794.5	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
*	9721.0	34.3	14.7	49.0	68.2	-19.2	Peak	Vertical
	10894.0	32.7	18.3	51.0	74.0	-23.0	Peak	Vertical
	11744.0	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	10392.5	34.3	16.9	51.2	68.2	-17.0	Peak	Horizontal
	11030.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
	11744.0	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8752.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	9959.0	34.2	15.3	49.5	68.2	-18.7	Peak	Vertical
	11497.5	32.4	19.3	51.7	74.0	-22.3	Peak	Vertical
	12237.0	32.9	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.3	13.9	46.2	68.2	-22.0	Peak	Horizontal
*	10078.0	34.3	15.6	49.9	68.2	-18.3	Peak	Horizontal
	11480.5	32.1	19.3	51.4	74.0	-22.6	Peak	Horizontal
	12237.0	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
*	8735.0	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
*	9678.5	34.4	14.6	49.0	68.2	-19.2	Peak	Vertical
	11523.0	32.9	19.4	52.3	74.0	-21.7	Peak	Vertical
	12364.5	32.7	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	9857.0	32.8	16.2	49.0	68.2	-19.2	Peak	Horizontal
	11293.5	32.0	18.9	50.9	74.0	-23.1	Peak	Horizontal
	12364.5	32.7	18.4	51.1	74.0	-22.9	Peak	Horizontal
*	8769.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	9933.5	33.1	15.3	48.4	68.2	-19.8	Peak	Vertical
	11047.0	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical
	11914.0	33.4	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8811.5	32.5	14.0	46.5	68.2	-21.7	Peak	Horizontal
*	10078.0	33.5	15.6	49.1	68.2	-19.1	Peak	Horizontal
	10783.5	32.3	17.8	50.1	74.0	-23.9	Peak	Horizontal
	11914.0	33.4	18.6	52.0	74.0	-22.0	Peak	Horizontal
*	8641.5	33.6	13.5	47.1	68.2	-21.1	Peak	Vertical
*	10120.5	34.0	15.8	49.8	68.2	-18.4	Peak	Vertical
	11387.0	31.6	19.1	50.7	74.0	-23.3	Peak	Vertical
	12339.0	31.3	18.5	49.8	74.0	-24.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Horizontal
*	10095.0	34.8	15.7	50.5	68.2	-17.7	Peak	Horizontal
	11506.0	32.4	19.4	51.8	74.0	-22.2	Peak	Horizontal
	12339.0	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Vertical
*	10078.0	34.2	15.6	49.8	68.2	-18.4	Peak	Vertical
	11132.0	32.4	18.6	51.0	74.0	-23.0	Peak	Vertical
	11582.5	33.1	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8760.5	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	9993.0	33.9	15.4	49.3	68.2	-18.9	Peak	Horizontal
	11242.5	33.0	18.8	51.8	74.0	-22.2	Peak	Horizontal
	11582.5	33.1	19.5	52.6	74.0	-21.4	Peak	Horizontal
*	8760.5	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
*	10129.0	35.5	15.9	51.4	68.2	-16.8	Peak	Vertical
	11548.5	32.9	19.4	52.3	74.0	-21.7	Peak	Vertical
	12101.0	32.6	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8633.0	32.9	13.5	46.4	68.2	-21.8	Peak	Horizontal
*	10044.0	34.0	15.5	49.5	68.2	-18.7	Peak	Horizontal
	11072.5	32.9	18.6	51.5	74.0	-22.5	Peak	Horizontal
	12101.0	32.6	18.9	51.5	74.0	-22.5	Peak	Horizontal
*	8633.0	32.9	13.5	46.4	68.2	-21.8	Peak	Vertical
*	10282.0	33.4	16.5	49.9	68.2	-18.3	Peak	Vertical
	11633.5	32.0	19.4	51.4	74.0	-22.6	Peak	Vertical
	12475.0	32.6	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	9721.0	34.7	14.7	49.4	68.2	-18.8	Peak	Horizontal
	10919.5	32.6	18.4	51.0	74.0	-23.0	Peak	Horizontal
	11633.5	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	8752.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	9908.0	34.6	15.3	49.9	68.2	-18.3	Peak	Vertical
	11506.0	33.0	19.4	52.4	74.0	-21.6	Peak	Vertical
	12211.5	33.0	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8760.5	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	9780.5	34.9	14.9	49.8	68.2	-18.4	Peak	Horizontal
	11514.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
	12211.5	33.0	18.8	51.8	74.0	-22.2	Peak	Horizontal
*	8760.5	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	9814.5	33.6	15.4	49.0	68.2	-19.2	Peak	Vertical
	11327.5	31.6	18.9	50.5	74.0	-23.5	Peak	Vertical
	12517.5	32.2	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8803.0	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
*	10061.0	34.5	15.6	50.1	68.2	-18.1	Peak	Horizontal
	11404.0	32.4	19.1	51.5	74.0	-22.5	Peak	Horizontal
	12517.5	32.2	18.6	50.8	74.0	-23.2	Peak	Horizontal
*	8803.0	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
*	10307.5	32.4	16.6	49.0	68.2	-19.2	Peak	Vertical
	11404.0	31.2	19.1	50.3	74.0	-23.7	Peak	Vertical
	12424.0	32.7	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.6	13.7	47.3	68.2	-20.9	Peak	Horizontal
*	10146.0	34.1	16.0	50.1	68.2	-18.1	Peak	Horizontal
	11174.5	33.3	18.7	52.0	74.0	-22.0	Peak	Horizontal
	12424.0	32.7	18.4	51.1	74.0	-22.9	Peak	Horizontal
*	8675.5	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
*	10001.5	33.9	15.4	49.3	68.2	-18.9	Peak	Vertical
	11013.0	33.3	18.5	51.8	74.0	-22.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Horizontal
*	9925.0	34.2	15.3	49.5	68.2	-18.7	Peak	Horizontal
	10945.0	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	12058.5	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
*	9823.0	33.9	15.6	49.5	68.2	-18.7	Peak	Vertical
	10970.5	32.0	18.4	50.4	74.0	-23.6	Peak	Vertical
	12067.0	32.7	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	34.4	13.6	48.0	68.2	-20.2	Peak	Horizontal
*	9984.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	11174.5	32.9	18.7	51.6	74.0	-22.4	Peak	Horizontal
	12067.0	32.7	18.8	51.5	74.0	-22.5	Peak	Horizontal
*	8667.0	34.4	13.6	48.0	68.2	-20.2	Peak	Vertical
*	9763.5	34.6	14.9	49.5	68.2	-18.7	Peak	Vertical
	10800.5	33.6	17.9	51.5	74.0	-22.5	Peak	Vertical
	12007.5	32.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	9772.0	33.7	14.9	48.6	68.2	-19.6	Peak	Horizontal
	11174.5	32.6	18.7	51.3	74.0	-22.7	Peak	Horizontal
	12007.5	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10078.0	34.4	15.6	50.0	68.2	-18.2	Peak	Vertical
	11608.0	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12203.0	32.6	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8726.5	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
*	9882.5	34.7	15.6	50.3	68.2	-17.9	Peak	Horizontal
	11557.0	32.3	19.5	51.8	74.0	-22.2	Peak	Horizontal
	12203.0	32.6	18.8	51.4	74.0	-22.6	Peak	Horizontal
*	8726.5	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	10163.0	32.6	16.0	48.6	68.2	-19.6	Peak	Vertical
	11225.5	30.8	18.8	49.6	74.0	-24.4	Peak	Vertical
	12109.5	31.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/23
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8743.5	33.3	13.9	47.2	68.2	-21.0	Peak	Horizontal
*	10086.5	34.7	15.7	50.4	68.2	-17.8	Peak	Horizontal
	11557.0	32.0	19.5	51.5	74.0	-22.5	Peak	Horizontal
	12109.5	31.8	18.9	50.7	74.0	-23.3	Peak	Horizontal
*	8743.5	33.3	13.9	47.2	68.2	-21.0	Peak	Vertical
*	9993.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	11089.5	31.1	18.6	49.7	74.0	-24.3	Peak	Vertical
	12262.5	32.5	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8726.5	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
*	9984.5	34.5	15.4	49.9	68.2	-18.3	Peak	Horizontal
	11514.5	32.4	19.4	51.8	74.0	-22.2	Peak	Horizontal
	12262.5	32.5	18.6	51.1	74.0	-22.9	Peak	Horizontal
*	8726.5	33.0	13.8	46.8	68.2	-21.4	Peak	Vertical
*	9865.5	34.9	16.0	50.9	68.2	-17.3	Peak	Vertical
	11191.5	32.7	18.7	51.4	74.0	-22.6	Peak	Vertical
	12058.5	32.8	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8743.5	33.4	13.9	47.3	68.2	-20.9	Peak	Horizontal
*	9908.0	35.1	15.3	50.4	68.2	-17.8	Peak	Horizontal
	10792.0	33.8	17.9	51.7	74.0	-22.3	Peak	Horizontal
	12058.5	32.8	18.8	51.6	74.0	-22.4	Peak	Horizontal
*	8743.5	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
*	10307.5	33.1	16.6	49.7	68.2	-18.5	Peak	Vertical
	11259.5	30.8	18.8	49.6	74.0	-24.4	Peak	Vertical
	12143.5	32.8	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8726.5	33.2	13.8	47.0	68.2	-21.2	Peak	Horizontal
*	9831.5	33.6	15.9	49.5	68.2	-18.7	Peak	Horizontal
	11149.0	32.8	18.7	51.5	74.0	-22.5	Peak	Horizontal
	12143.5	32.8	18.9	51.7	74.0	-22.3	Peak	Horizontal
*	8726.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
*	10103.5	34.7	15.7	50.4	68.2	-17.8	Peak	Vertical
	11650.5	32.5	19.3	51.8	74.0	-22.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8684.0	33.2	13.7	46.9	68.2	-21.3	Peak	Horizontal
*	9772.0	34.7	14.9	49.6	68.2	-18.6	Peak	Horizontal
	10851.5	33.6	18.1	51.7	74.0	-22.3	Peak	Horizontal
	11650.5	32.5	19.3	51.8	74.0	-22.2	Peak	Horizontal
*	8684.0	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
*	10078.0	34.2	15.6	49.8	68.2	-18.4	Peak	Vertical
	10945.0	32.1	18.4	50.5	74.0	-23.5	Peak	Vertical
	11659.0	32.4	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.0	13.8	46.8	68.2	-21.4	Peak	Horizontal
*	9891.0	34.3	15.5	49.8	68.2	-18.4	Peak	Horizontal
	11055.5	33.4	18.5	51.9	74.0	-22.1	Peak	Horizontal
	11659.0	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	8701.0	33.0	13.8	46.8	68.2	-21.4	Peak	Vertical
*	10035.5	33.8	15.5	49.3	68.2	-18.9	Peak	Vertical
	11633.5	32.4	19.4	51.8	74.0	-22.2	Peak	Vertical
	12517.5	33.3	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	9729.5	34.8	14.7	49.5	68.2	-18.7	Peak	Horizontal
	10962.0	33.2	18.4	51.6	74.0	-22.4	Peak	Horizontal
	11633.5	32.4	19.4	51.8	74.0	-22.2	Peak	Horizontal
*	8769.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	10018.5	33.6	15.4	49.0	68.2	-19.2	Peak	Vertical
	11123.5	31.4	18.6	50.0	74.0	-24.0	Peak	Vertical
	12160.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	31.8	13.9	45.7	68.2	-22.5	Peak	Horizontal
*	10214.0	34.8	16.3	51.1	68.2	-17.1	Peak	Horizontal
	11616.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
	12160.5	32.5	18.9	51.4	74.0	-22.6	Peak	Horizontal
*	8769.0	31.8	13.9	45.7	68.2	-22.5	Peak	Vertical
*	10010.0	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
	11327.5	30.5	18.9	49.4	74.0	-24.6	Peak	Vertical
	11982.0	32.8	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	34.0	13.9	47.9	68.2	-20.3	Peak	Horizontal
*	9933.5	32.7	15.3	48.0	68.2	-20.2	Peak	Horizontal
	11123.5	32.1	18.6	50.7	74.0	-23.3	Peak	Horizontal
	11982.0	32.8	18.7	51.5	74.0	-22.5	Peak	Horizontal
*	8752.0	34.0	13.9	47.9	68.2	-20.3	Peak	Vertical
*	10120.5	34.7	15.8	50.5	68.2	-17.7	Peak	Vertical
	10877.0	33.2	18.2	51.4	74.0	-22.6	Peak	Vertical
	12177.5	32.2	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.1	13.7	46.8	68.2	-21.4	Peak	Horizontal
*	10120.5	34.6	15.8	50.4	68.2	-17.8	Peak	Horizontal
	11089.5	33.2	18.6	51.8	74.0	-22.2	Peak	Horizontal
	12177.5	32.2	18.8	51.0	74.0	-23.0	Peak	Horizontal
*	8743.5	33.6	13.9	47.5	68.2	-20.7	Peak	Vertical
*	10120.5	34.6	15.8	50.4	68.2	-17.8	Peak	Vertical
	11531.5	30.9	19.4	50.3	74.0	-23.7	Peak	Vertical
	12611.0	32.5	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8794.5	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
*	9772.0	34.9	14.9	49.8	68.2	-18.4	Peak	Horizontal
	10826.0	32.8	18.0	50.8	74.0	-23.2	Peak	Horizontal
	11531.5	30.9	19.4	50.3	74.0	-23.7	Peak	Horizontal
*	8794.5	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
*	10018.5	34.4	15.4	49.8	68.2	-18.4	Peak	Vertical
	10885.5	33.5	18.3	51.8	74.0	-22.2	Peak	Vertical
	11591.0	32.4	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	34.0	13.7	47.7	68.2	-20.5	Peak	Horizontal
*	9967.5	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
	10851.5	33.2	18.1	51.3	74.0	-22.7	Peak	Horizontal
	11650.5	31.1	19.3	50.4	74.0	-23.6	Peak	Horizontal
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Vertical
*	9729.5	33.8	14.7	48.5	68.2	-19.7	Peak	Vertical
	11047.0	31.8	18.5	50.3	74.0	-23.7	Peak	Vertical
	11650.5	31.1	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Horizontal
*	9704.0	34.6	14.6	49.2	68.2	-19.0	Peak	Horizontal
	10970.5	31.6	18.4	50.0	74.0	-24.0	Peak	Horizontal
	11582.5	32.2	19.5	51.7	74.0	-22.3	Peak	Horizontal
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	10001.5	34.2	15.4	49.6	68.2	-18.6	Peak	Vertical
	10783.5	32.3	17.8	50.1	74.0	-23.9	Peak	Vertical
	11582.5	32.2	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	10027.0	34.1	15.4	49.5	68.2	-18.7	Peak	Horizontal
	11140.5	32.2	18.7	50.9	74.0	-23.1	Peak	Horizontal
	12186.0	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	8862.5	31.8	14.0	45.8	68.2	-22.4	Peak	Vertical
*	9942.0	32.6	15.3	47.9	68.2	-20.3	Peak	Vertical
	11276.5	31.1	18.8	49.9	74.0	-24.1	Peak	Vertical
	12109.5	32.6	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8862.5	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
*	10052.5	32.8	15.5	48.3	68.2	-19.9	Peak	Horizontal
	11225.5	31.6	18.8	50.4	74.0	-23.6	Peak	Horizontal
	12058.5	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	8667.0	32.5	13.6	46.1	68.2	-22.1	Peak	Vertical
*	10163.0	34.4	16.0	50.4	68.2	-17.8	Peak	Vertical
	11548.5	32.0	19.4	51.4	74.0	-22.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
*	9746.5	35.1	14.8	49.9	68.2	-18.3	Peak	Horizontal
	11081.0	32.2	18.6	50.8	74.0	-23.2	Peak	Horizontal
	12177.5	32.5	18.8	51.3	74.0	-22.7	Peak	Horizontal
*	8743.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	10103.5	33.8	15.7	49.5	68.2	-18.7	Peak	Vertical
	11081.0	32.2	18.6	50.8	74.0	-23.2	Peak	Vertical
	11582.5	32.0	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8743.5	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	10061.0	33.9	15.6	49.5	68.2	-18.7	Peak	Horizontal
	11251.0	32.4	18.8	51.2	74.0	-22.8	Peak	Horizontal
	11642.0	32.0	19.4	51.4	74.0	-22.6	Peak	Horizontal
*	8760.5	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
*	10171.5	32.0	16.1	48.1	68.2	-20.1	Peak	Vertical
	10936.5	33.1	18.4	51.5	74.0	-22.5	Peak	Vertical
	11642.0	32.0	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8760.5	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	9865.5	33.2	16.0	49.2	68.2	-19.0	Peak	Horizontal
	11191.5	38.5	20.4	58.9	74.0	-15.1	Peak	Horizontal
	11191.5	28.4	20.4	48.8	54.0	-5.2	Average	Horizontal
	12016.0	32.0	18.7	50.7	74.0	-23.3	Peak	Horizontal
*	8667.0	32.5	13.6	46.1	68.2	-22.1	Peak	Vertical
*	10154.5	32.8	16.0	48.8	68.2	-19.4	Peak	Vertical
	11191.5	33.4	20.4	53.8	74.0	-20.2	Peak	Vertical
	12356.0	30.7	18.4	49.1	74.0	-24.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	32.5	13.6	46.1	68.2	-22.1	Peak	Horizontal
*	10103.5	34.4	15.7	50.1	68.2	-18.1	Peak	Horizontal
	10826.0	32.6	18.0	50.6	74.0	-23.4	Peak	Horizontal
	12109.5	32.1	18.9	51.0	74.0	-23.0	Peak	Horizontal
*	8701.0	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	10120.5	34.5	15.8	50.3	68.2	-17.9	Peak	Vertical
	11565.5	32.7	19.5	52.2	74.0	-21.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	32.2	13.8	46.0	68.2	-22.2	Peak	Horizontal
*	10222.5	33.8	16.3	50.1	68.2	-18.1	Peak	Horizontal
	11438.0	35.7	20.4	56.1	74.0	-17.9	Peak	Horizontal
	11438.0	21.4	20.4	41.8	54.0	-12.2	Average	Horizontal
	12169.0	33.2	18.8	52.0	74.0	-22.0	Peak	Horizontal
*	8845.5	32.9	14.0	46.9	68.2	-21.3	Peak	Vertical
*	10137.5	34.3	15.9	50.2	68.2	-18.0	Peak	Vertical
	11183.0	33.5	18.7	52.2	74.0	-21.8	Peak	Vertical
	12169.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8845.5	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
*	10120.5	34.3	15.8	50.1	68.2	-18.1	Peak	Horizontal
	11489.0	41.6	20.6	62.2	74.0	-11.8	Peak	Horizontal
	11489.0	31.0	20.6	51.6	54.0	-2.4	Average	Horizontal
	12271.0	31.3	18.6	49.9	74.0	-24.1	Peak	Horizontal
*	8667.0	32.7	13.6	46.3	68.2	-21.9	Peak	Vertical
*	10112.0	34.8	15.8	50.6	68.2	-17.6	Peak	Vertical
	11489.0	40.5	20.6	61.1	74.0	-12.9	Peak	Vertical
	11489.0	27.6	20.6	48.2	54.0	-5.8	Average	Vertical
	12092.5	33.7	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	10188.5	32.3	16.2	48.5	68.2	-19.7	Peak	Horizontal
	11563.0	36.7	20.8	57.5	74.0	-16.5	Peak	Horizontal
	11563.0	24.5	20.8	45.3	54.0	-8.7	Average	Horizontal
	12211.5	30.3	18.8	49.1	74.0	-24.9	Peak	Horizontal
*	17354.0	34.8	27.2	62.0	68.2	-6.2	Peak	Horizontal
*	8675.5	33.2	13.7	46.9	68.2	-21.3	Peak	Vertical
*	10120.5	34.0	15.8	49.8	68.2	-18.4	Peak	Vertical
	11570.4	36.7	20.8	57.5	74.0	-16.5	Peak	Vertical
	11570.4	22.7	20.8	43.5	54.0	-10.5	Average	Vertical
	12602.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8769.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
*	10035.5	34.0	15.5	49.5	68.2	-18.7	Peak	Horizontal
	11650.5	36.3	21.0	57.3	74.0	-16.7	Peak	Horizontal
	11650.5	25.1	21.0	46.1	54.0	-7.9	Average	Horizontal
	12602.5	31.2	18.7	49.9	74.0	-24.1	Peak	Horizontal
*	8769.0	33.2	13.9	47.1	68.2	-21.1	Peak	Vertical
*	9908.0	33.1	15.3	48.4	68.2	-19.8	Peak	Vertical
	11654.9	33.5	21.0	54.5	74.0	-19.5	Peak	Vertical
	11654.9	23.1	21.0	44.1	54.0	-9.9	Average	Vertical
	12024.5	31.1	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8701.0	33.6	13.8	47.4	68.2	-20.8	Peak	Horizontal
*	9925.0	34.6	15.3	49.9	68.2	-18.3	Peak	Horizontal
	11157.5	32.4	18.7	51.1	74.0	-22.9	Peak	Horizontal
	11990.5	31.8	18.7	50.5	74.0	-23.5	Peak	Horizontal
*	8701.0	33.6	13.8	47.4	68.2	-20.8	Peak	Vertical
*	10375.5	33.6	16.9	50.5	68.2	-17.7	Peak	Vertical
	10987.5	32.5	18.5	51.0	74.0	-23.0	Peak	Vertical
	11752.5	31.5	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8922.0	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
*	10163.0	32.9	16.0	48.9	68.2	-19.3	Peak	Horizontal
	11480.5	31.4	19.3	50.7	74.0	-23.3	Peak	Horizontal
	12432.5	32.2	18.4	50.6	74.0	-23.4	Peak	Horizontal
*	8752.0	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
*	10018.5	34.1	15.4	49.5	68.2	-18.7	Peak	Vertical
	11191.5	32.5	18.7	51.2	74.0	-22.8	Peak	Vertical
	12432.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
*	10086.5	34.5	15.7	50.2	68.2	-18.0	Peak	Horizontal
	11021.5	31.0	18.5	49.5	74.0	-24.5	Peak	Horizontal
	12109.5	32.7	18.9	51.6	74.0	-22.4	Peak	Horizontal
*	8752.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	10129.0	35.0	15.9	50.9	68.2	-17.3	Peak	Vertical
	10902.5	34.3	18.3	52.6	74.0	-21.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
*	10035.5	34.3	15.5	49.8	68.2	-18.4	Peak	Horizontal
	11191.5	32.2	18.7	50.9	74.0	-23.1	Peak	Horizontal
	11693.0	30.6	19.2	49.8	74.0	-24.2	Peak	Horizontal
*	8752.0	32.1	13.9	46.0	68.2	-22.2	Peak	Vertical
*	10035.5	34.3	15.5	49.8	68.2	-18.4	Peak	Vertical
	11191.5	32.2	18.7	50.9	74.0	-23.1	Peak	Vertical
	11693.0	30.6	19.2	49.8	74.0	-24.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8709.5	32.7	13.8	46.5	68.2	-21.7	Peak	Horizontal
*	9823.0	32.8	15.6	48.4	68.2	-19.8	Peak	Horizontal
	11072.5	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
	11735.5	33.2	19.0	52.2	74.0	-21.8	Peak	Horizontal
*	8760.5	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
*	9789.0	34.0	15.0	49.0	68.2	-19.2	Peak	Vertical
	10919.5	33.0	18.4	51.4	74.0	-22.6	Peak	Vertical
	11735.5	33.2	19.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8760.5	32.6	13.9	46.5	68.2	-21.7	Peak	Horizontal
*	9916.5	33.9	15.3	49.2	68.2	-19.0	Peak	Horizontal
	11234.0	33.3	18.8	52.1	74.0	-21.9	Peak	Horizontal
	11982.0	31.4	18.7	50.1	74.0	-23.9	Peak	Horizontal
*	8752.0	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
*	9763.5	34.7	14.9	49.6	68.2	-18.6	Peak	Vertical
	11038.5	31.6	18.5	50.1	74.0	-23.9	Peak	Vertical
	11982.0	31.4	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	33.0	13.9	46.9	68.2	-21.3	Peak	Horizontal
*	10146.0	34.2	16.0	50.2	68.2	-18.0	Peak	Horizontal
	11497.5	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
	12126.5	32.2	18.9	51.1	74.0	-22.9	Peak	Horizontal
*	8913.5	32.2	14.0	46.2	68.2	-22.0	Peak	Vertical
*	10120.5	35.0	15.8	50.8	68.2	-17.4	Peak	Vertical
	11514.5	32.6	19.4	52.0	74.0	-22.0	Peak	Vertical
	12126.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8913.5	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
*	10078.0	33.7	15.6	49.3	68.2	-18.9	Peak	Horizontal
	11438.0	33.4	20.4	53.8	74.0	-20.2	Peak	Horizontal
	12169.0	31.1	18.8	49.9	74.0	-24.1	Peak	Horizontal
*	8726.5	32.2	13.8	46.0	68.2	-22.2	Peak	Vertical
*	9806.0	32.6	15.2	47.8	68.2	-20.4	Peak	Vertical
	11489.0	31.0	19.3	50.3	74.0	-23.7	Peak	Vertical
	12169.0	31.1	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8786.0	32.8	13.9	46.7	68.2	-21.5	Peak	Horizontal
*	10214.0	32.9	16.3	49.2	68.2	-19.0	Peak	Horizontal
	11510.1	37.6	20.6	58.2	74.0	-15.8	Peak	Horizontal
	11510.1	27.3	20.6	47.9	54.0	-6.1	Average	Horizontal
	12279.5	31.2	18.6	49.8	74.0	-24.2	Peak	Horizontal
*	8667.0	32.9	13.6	46.5	68.2	-21.7	Peak	Vertical
*	9908.0	33.5	15.3	48.8	68.2	-19.4	Peak	Vertical
	11514.5	33.2	20.6	53.8	74.0	-20.2	Peak	Vertical
	12279.5	31.2	18.6	49.8	74.0	-24.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8667.0	32.9	13.6	46.5	68.2	-21.7	Peak	Horizontal
*	10010.0	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	10928.0	32.7	18.4	51.1	74.0	-22.9	Peak	Horizontal
	11594.5	33.6	20.7	54.3	74.0	-19.7	Peak	Horizontal
	11594.5	24.0	20.7	44.7	54.0	-9.3	Average	Horizontal
*	8624.5	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
*	10120.5	34.5	15.8	50.3	68.2	-17.9	Peak	Vertical
	11590.5	33.4	20.7	54.1	74.0	-19.9	Peak	Vertical
	11590.5	21.7	20.7	42.4	54.0	-11.6	Average	Vertical
	12033.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8582.0	32.9	13.4	46.3	68.2	-21.9	Peak	Horizontal
	10792.0	33.8	17.9	51.7	74.0	-22.3	Peak	Horizontal
	12024.5	32.3	18.8	51.1	74.0	-22.9	Peak	Horizontal
*	8692.5	33.1	13.7	46.8	68.2	-21.4	Peak	Vertical
*	10035.5	34.0	15.5	49.5	68.2	-18.7	Peak	Vertical
	10877.0	32.2	18.2	50.4	74.0	-23.6	Peak	Vertical
	11744.0	31.2	18.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8310.0	32.3	11.9	44.2	74.0	-29.8	Peak	Horizontal
*	9899.5	33.3	15.4	48.7	68.2	-19.5	Peak	Horizontal
	11123.5	31.9	18.6	50.5	74.0	-23.5	Peak	Horizontal
	11744.0	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
*	8735.0	33.8	13.9	47.7	68.2	-20.5	Peak	Vertical
*	10078.0	33.7	15.6	49.3	68.2	-18.9	Peak	Vertical
	11072.5	31.0	18.6	49.6	74.0	-24.4	Peak	Vertical
	11999.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Horizontal
*	9746.5	34.4	14.8	49.2	68.2	-19.0	Peak	Horizontal
	10868.5	32.5	18.2	50.7	74.0	-23.3	Peak	Horizontal
	11999.0	32.1	18.7	50.8	74.0	-23.2	Peak	Horizontal
*	8752.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
*	10052.5	33.8	15.5	49.3	68.2	-18.9	Peak	Vertical
	11123.5	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical
	12475.0	32.5	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8837.0	32.6	14.0	46.6	68.2	-21.6	Peak	Horizontal
*	10086.5	33.6	15.7	49.3	68.2	-18.9	Peak	Horizontal
	11548.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
	12475.0	32.5	18.5	51.0	74.0	-23.0	Peak	Horizontal
*	8837.0	32.6	14.0	46.6	68.2	-21.6	Peak	Vertical
*	10035.5	32.9	15.5	48.4	68.2	-19.8	Peak	Vertical
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Vertical
	12186.0	32.4	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8675.5	33.0	13.7	46.7	68.2	-21.5	Peak	Horizontal
*	9746.5	34.5	14.8	49.3	68.2	-18.9	Peak	Horizontal
	10970.5	32.8	18.4	51.2	74.0	-22.8	Peak	Horizontal
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	8675.5	33.0	13.7	46.7	68.2	-21.5	Peak	Vertical
*	10120.5	34.2	15.8	50.0	68.2	-18.2	Peak	Vertical
	11370.0	31.1	19.0	50.1	74.0	-23.9	Peak	Vertical
	12415.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/24
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	8735.0	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
*	9857.0	31.9	16.2	48.1	68.2	-20.1	Peak	Horizontal
	11540.0	33.1	19.4	52.5	74.0	-21.5	Peak	Horizontal
	12220.0	30.9	18.7	49.6	74.0	-24.4	Peak	Horizontal
*	8735.0	32.0	13.9	45.9	68.2	-22.3	Peak	Vertical
*	9899.5	33.5	15.4	48.9	68.2	-19.3	Peak	Vertical
	10987.5	32.7	18.5	51.2	74.0	-22.8	Peak	Vertical
	11650.5	32.6	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	8735.0	32.2	13.9	46.1	68.2	-22.1	Peak	Horizontal
	9466.0	33.2	14.4	47.6	74.0	-26.4	Peak	Horizontal
	10936.5	33.8	18.4	52.2	74.0	-21.8	Peak	Horizontal
*	7876.5	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8701.0	33.4	13.8	47.2	68.2	-21.0	Peak	Vertical
	9457.5	32.9	14.4	47.3	74.0	-26.7	Peak	Vertical
	12041.5	33.5	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8803.0	31.2	14.0	45.2	68.2	-23.0	Peak	Horizontal
	9100.5	33.6	14.4	48.0	74.0	-26.0	Peak	Horizontal
	10894.0	34.1	18.3	52.4	74.0	-21.6	Peak	Horizontal
*	7902.0	35.5	12.4	47.9	68.2	-20.3	Peak	Vertical
*	8692.5	32.9	13.7	46.6	68.2	-21.6	Peak	Vertical
	9432.0	32.7	14.4	47.1	74.0	-26.9	Peak	Vertical
	10885.5	33.4	18.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	8701.0	32.6	13.8	46.4	68.2	-21.8	Peak	Horizontal
	9134.5	32.8	14.6	47.4	74.0	-26.6	Peak	Horizontal
	10919.5	33.6	18.4	52.0	74.0	-22.0	Peak	Horizontal
*	7834.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8743.5	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
	9381.0	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	10120.5	35.0	15.8	50.8	68.2	-17.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	8701.0	32.7	13.8	46.5	68.2	-21.7	Peak	Horizontal
	9338.5	32.2	14.6	46.8	74.0	-27.2	Peak	Horizontal
	10902.5	31.8	18.3	50.1	74.0	-23.9	Peak	Horizontal
*	7808.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8811.5	31.2	14.0	45.2	68.2	-23.0	Peak	Vertical
	9432.0	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	10936.5	34.0	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8964.5	32.3	14.1	46.4	68.2	-21.8	Peak	Horizontal
	9423.5	32.6	14.5	47.1	74.0	-26.9	Peak	Horizontal
	11565.5	33.2	19.5	52.7	74.0	-21.3	Peak	Horizontal
*	7842.5	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8735.0	31.7	13.9	45.6	68.2	-22.6	Peak	Vertical
	9134.5	33.3	14.6	47.9	74.0	-26.1	Peak	Vertical
	11625.0	32.5	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	8692.5	31.8	13.7	45.5	68.2	-22.7	Peak	Horizontal
	9381.0	32.5	14.5	47.0	74.0	-27.0	Peak	Horizontal
	11582.5	33.5	19.5	53.0	74.0	-21.0	Peak	Horizontal
*	7987.0	33.8	12.5	46.3	68.2	-21.9	Peak	Vertical
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
	9440.5	32.5	14.4	46.9	74.0	-27.1	Peak	Vertical
	11744.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8811.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
	9483.0	33.7	14.4	48.1	74.0	-25.9	Peak	Horizontal
	11259.5	32.6	18.8	51.4	74.0	-22.6	Peak	Horizontal
*	7910.5	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8726.5	33.2	13.8	47.0	68.2	-21.2	Peak	Vertical
	9423.5	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	11650.5	32.4	19.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	8718.0	33.1	13.8	46.9	68.2	-21.3	Peak	Horizontal
	9381.0	31.7	14.5	46.2	74.0	-27.8	Peak	Horizontal
	11531.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7970.0	35.2	12.5	47.7	68.2	-20.5	Peak	Vertical
*	8811.5	31.3	14.0	45.3	68.2	-22.9	Peak	Vertical
	9381.0	33.1	14.5	47.6	74.0	-26.4	Peak	Vertical
	11540.0	32.1	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	34.1	12.4	46.5	68.2	-21.7	Peak	Horizontal
*	8743.5	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
	9389.5	33.2	14.5	47.7	74.0	-26.3	Peak	Horizontal
	11582.5	32.1	19.5	51.6	74.0	-22.4	Peak	Horizontal
*	7927.5	33.9	12.4	46.3	68.2	-21.9	Peak	Vertical
*	8692.5	32.2	13.7	45.9	68.2	-22.3	Peak	Vertical
	9423.5	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical
	11625.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	35.8	12.4	48.2	68.2	-20.0	Peak	Horizontal
*	8616.0	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
	9092.0	30.8	14.4	45.2	74.0	-28.8	Peak	Horizontal
	10945.0	34.0	18.4	52.4	74.0	-21.6	Peak	Horizontal
*	7902.0	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
*	8811.5	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
	9423.5	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	11242.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7953.0	34.2	12.5	46.7	68.2	-21.5	Peak	Horizontal
*	8641.5	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
	9466.0	33.0	14.4	47.4	74.0	-26.6	Peak	Horizontal
	11489.0	36.8	20.6	57.4	74.0	-16.6	Peak	Horizontal
	11490.2	26.4	20.6	47.0	54.0	-7.0	Average	Horizontal
*	7859.5	35.7	12.4	48.1	68.2	-20.1	Peak	Vertical
*	8735.0	32.7	13.9	46.6	68.2	-21.6	Peak	Vertical
	9466.0	32.8	14.4	47.2	74.0	-26.8	Peak	Vertical
	10970.5	34.5	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8735.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	9491.5	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	11565.5	34.4	19.5	53.9	74.0	-20.1	Peak	Horizontal
*	7859.5	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8658.5	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
	9134.5	33.4	14.6	48.0	74.0	-26.0	Peak	Vertical
	11574.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7893.5	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8624.5	33.1	13.5	46.6	68.2	-21.6	Peak	Horizontal
	9474.5	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	11540.0	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7885.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	8692.5	32.8	13.7	46.5	68.2	-21.7	Peak	Vertical
	9449.0	32.0	14.4	46.4	74.0	-27.6	Peak	Vertical
	11633.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8735.0	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
	9355.5	33.5	14.5	48.0	74.0	-26.0	Peak	Horizontal
	10877.0	33.5	18.2	51.7	74.0	-22.3	Peak	Horizontal
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
	9406.5	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical
	11183.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Horizontal
*	8709.5	32.1	13.8	45.9	68.2	-22.3	Peak	Horizontal
	9389.5	32.0	14.5	46.5	74.0	-27.5	Peak	Horizontal
	11089.5	33.2	18.6	51.8	74.0	-22.2	Peak	Horizontal
*	7876.5	35.7	12.4	48.1	68.2	-20.1	Peak	Vertical
*	8675.5	33.6	13.7	47.3	68.2	-20.9	Peak	Vertical
	9381.0	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11412.5	32.7	19.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.0	12.4	46.4	68.2	-21.8	Peak	Horizontal
*	8769.0	31.0	13.9	44.9	68.2	-23.3	Peak	Horizontal
	9423.5	32.2	14.5	46.7	74.0	-27.3	Peak	Horizontal
	11489.0	32.4	19.3	51.7	74.0	-22.3	Peak	Horizontal
*	7919.0	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	8743.5	33.0	13.9	46.9	68.2	-21.3	Peak	Vertical
	9440.5	32.1	14.4	46.5	74.0	-27.5	Peak	Vertical
	10987.5	33.7	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7961.5	34.1	12.5	46.6	68.2	-21.6	Peak	Horizontal
*	8616.0	32.2	13.5	45.7	68.2	-22.5	Peak	Horizontal
	9381.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	11659.0	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7842.5	33.7	12.4	46.1	68.2	-22.1	Peak	Vertical
*	8692.5	32.7	13.7	46.4	68.2	-21.8	Peak	Vertical
	9432.0	32.2	14.4	46.6	74.0	-27.4	Peak	Vertical
	11463.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	8658.5	32.8	13.6	46.4	68.2	-21.8	Peak	Horizontal
	9381.0	32.4	14.5	46.9	74.0	-27.1	Peak	Horizontal
	11633.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7944.5	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
*	8675.5	33.4	13.7	47.1	68.2	-21.1	Peak	Vertical
	9381.0	32.1	14.5	46.6	74.0	-27.4	Peak	Vertical
	10979.0	33.4	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8692.5	31.5	13.7	45.2	68.2	-23.0	Peak	Horizontal
	9381.0	33.9	14.5	48.4	74.0	-25.6	Peak	Horizontal
	10868.5	34.1	18.2	52.3	74.0	-21.7	Peak	Horizontal
*	7953.0	32.6	12.5	45.1	68.2	-23.1	Peak	Vertical
*	8658.5	33.2	13.6	46.8	68.2	-21.4	Peak	Vertical
	9423.5	31.4	14.5	45.9	74.0	-28.1	Peak	Vertical
	10945.0	33.3	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8667.0	32.2	13.6	45.8	68.2	-22.4	Peak	Horizontal
	9457.5	32.8	14.4	47.2	74.0	-26.8	Peak	Horizontal
	11642.0	32.6	19.4	52.0	74.0	-22.0	Peak	Horizontal
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	8735.0	33.4	13.9	47.3	68.2	-20.9	Peak	Vertical
	9423.5	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical
	10885.5	33.5	18.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7961.5	34.3	12.5	46.8	68.2	-21.4	Peak	Horizontal
*	8616.0	32.4	13.5	45.9	68.2	-22.3	Peak	Horizontal
	9449.0	32.1	14.4	46.5	74.0	-27.5	Peak	Horizontal
	10877.0	33.0	18.2	51.2	74.0	-22.8	Peak	Horizontal
*	7868.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	8658.5	33.1	13.6	46.7	68.2	-21.5	Peak	Vertical
	9423.5	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	11540.0	32.6	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7953.0	35.4	12.5	47.9	68.2	-20.3	Peak	Horizontal
*	8794.5	32.0	13.9	45.9	68.2	-22.3	Peak	Horizontal
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Horizontal
	11514.5	33.4	20.6	54.0	74.0	-20.0	Peak	Horizontal
*	11514.5	26.3	20.6	46.9	54.0	-7.1	Average	Horizontal
*	8004.0	33.7	12.5	46.2	68.2	-22.0	Peak	Vertical
	8905.0	33.6	14.0	47.6	68.2	-20.6	Peak	Vertical
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11225.5	33.3	18.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7944.5	34.2	12.5	46.7	68.2	-21.5	Peak	Horizontal
*	8837.0	32.2	14.0	46.2	68.2	-22.0	Peak	Horizontal
	9457.5	33.3	14.4	47.7	74.0	-26.3	Peak	Horizontal
	11064.0	34.1	18.5	52.6	74.0	-21.4	Peak	Horizontal
*	7859.5	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8769.0	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
	9423.5	32.9	14.5	47.4	74.0	-26.6	Peak	Vertical
	11557.0	33.0	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7893.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8701.0	33.8	13.8	47.6	68.2	-20.6	Peak	Horizontal
	9381.0	31.2	14.5	45.7	74.0	-28.3	Peak	Horizontal
	11633.5	33.2	19.4	52.6	74.0	-21.4	Peak	Horizontal
*	7893.5	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8726.5	32.4	13.8	46.2	68.2	-22.0	Peak	Vertical
	9389.5	31.7	14.5	46.2	74.0	-27.8	Peak	Vertical
	11591.0	32.5	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8905.0	33.5	14.0	47.5	68.2	-20.7	Peak	Horizontal
	9440.5	32.8	14.4	47.2	74.0	-26.8	Peak	Horizontal
	11234.0	32.9	18.8	51.7	74.0	-22.3	Peak	Horizontal
*	7893.5	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Vertical
	9415.0	32.9	14.5	47.4	74.0	-26.6	Peak	Vertical
	11548.5	33.0	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7834.0	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	8769.0	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	9423.5	32.0	14.5	46.5	74.0	-27.5	Peak	Horizontal
	11540.0	33.0	19.4	52.4	74.0	-21.6	Peak	Horizontal
*	7953.0	33.6	12.5	46.1	68.2	-22.1	Peak	Vertical
*	8760.5	31.3	13.9	45.2	68.2	-23.0	Peak	Vertical
	9423.5	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	11531.5	32.3	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8692.5	31.6	13.7	45.3	68.2	-22.9	Peak	Horizontal
	9381.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	10885.5	32.8	18.3	51.1	74.0	-22.9	Peak	Horizontal
*	7876.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8769.0	30.6	13.9	44.5	68.2	-23.7	Peak	Vertical
	9423.5	31.1	14.5	45.6	74.0	-28.4	Peak	Vertical
	10936.5	34.3	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8854.0	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
	9381.0	31.5	14.5	46.0	74.0	-28.0	Peak	Horizontal
	10885.5	33.5	18.3	51.8	74.0	-22.2	Peak	Horizontal
*	8012.5	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	8811.5	31.1	14.0	45.1	68.2	-23.1	Peak	Vertical
	9423.5	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	10979.0	33.9	18.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	8701.0	33.1	13.8	46.9	68.2	-21.3	Peak	Horizontal
	9432.0	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11633.5	33.1	19.4	52.5	74.0	-21.5	Peak	Horizontal
*	7953.0	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
*	8735.0	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
	9423.5	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11523.0	33.0	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7944.5	35.2	12.5	47.7	68.2	-20.5	Peak	Horizontal
*	8803.0	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
	9432.0	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11752.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	7919.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8709.5	33.9	13.8	47.7	68.2	-20.5	Peak	Vertical
	9423.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	10936.5	33.7	18.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7851.0	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8811.5	31.7	14.0	45.7	68.2	-22.5	Peak	Horizontal
	9423.5	31.7	14.5	46.2	74.0	-27.8	Peak	Horizontal
	11557.0	33.8	19.5	53.3	74.0	-20.7	Peak	Horizontal
*	7876.5	34.0	12.4	46.4	68.2	-21.8	Peak	Vertical
*	8820.0	30.8	14.0	44.8	68.2	-23.4	Peak	Vertical
	9389.5	32.7	14.5	47.2	74.0	-26.8	Peak	Vertical
	11446.5	32.5	19.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7970.0	33.8	12.5	46.3	68.2	-21.9	Peak	Horizontal
*	8709.5	32.5	13.8	46.3	68.2	-21.9	Peak	Horizontal
	9423.5	32.2	14.5	46.7	74.0	-27.3	Peak	Horizontal
	11591.0	32.6	19.5	52.1	74.0	-21.9	Peak	Horizontal
*	7851.0	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8811.5	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11625.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7927.5	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	8667.0	33.2	13.6	46.8	68.2	-21.4	Peak	Horizontal
	9381.0	30.8	14.5	45.3	74.0	-28.7	Peak	Horizontal
	11166.0	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
*	7919.0	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
*	8709.5	32.4	13.8	46.2	68.2	-22.0	Peak	Vertical
	9423.5	32.2	14.5	46.7	74.0	-27.3	Peak	Vertical
	11540.0	32.4	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.0	12.4	45.4	68.2	-22.8	Peak	Horizontal
*	8786.0	30.6	13.9	44.5	68.2	-23.7	Peak	Horizontal
	9398.0	31.1	14.5	45.6	74.0	-28.4	Peak	Horizontal
	11489.0	36.0	20.6	56.6	74.0	-17.4	Peak	Horizontal
	11489.0	25.7	20.6	46.3	54.0	-7.7	Average	Horizontal
*	7910.5	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	8854.0	31.5	14.0	45.5	68.2	-22.7	Peak	Vertical
	9381.0	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical
	11489.0	33.4	20.6	54.0	74.0	-20.0	Peak	Vertical
	11489.0	27.0	20.6	47.6	54.0	-6.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7859.5	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8854.0	30.2	14.0	44.2	68.2	-24.0	Peak	Horizontal
	9406.5	31.5	14.5	46.0	74.0	-28.0	Peak	Horizontal
	11531.5	32.5	19.4	51.9	74.0	-22.1	Peak	Horizontal
*	7876.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8735.0	32.6	13.9	46.5	68.2	-21.7	Peak	Vertical
	9432.0	31.6	14.4	46.0	74.0	-28.0	Peak	Vertical
	11506.0	32.6	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7885.0	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	8760.5	32.5	13.9	46.4	68.2	-21.8	Peak	Horizontal
	9381.0	32.2	14.5	46.7	74.0	-27.3	Peak	Horizontal
	10800.5	34.2	17.9	52.1	74.0	-21.9	Peak	Horizontal
*	7885.0	33.4	12.4	45.8	68.2	-22.4	Peak	Vertical
*	8692.5	32.6	13.7	46.3	68.2	-21.9	Peak	Vertical
	9389.5	31.7	14.5	46.2	74.0	-27.8	Peak	Vertical
	10894.0	35.1	18.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	8862.5	31.1	14.0	45.1	68.2	-23.1	Peak	Horizontal
	9423.5	32.5	14.5	47.0	74.0	-27.0	Peak	Horizontal
	11633.5	32.6	19.4	52.0	74.0	-22.0	Peak	Horizontal
*	7910.5	36.0	12.4	48.4	68.2	-19.8	Peak	Vertical
*	8769.0	31.7	13.9	45.6	68.2	-22.6	Peak	Vertical
	9457.5	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	11489.0	33.3	19.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7987.0	34.9	12.5	47.4	68.2	-20.8	Peak	Horizontal
*	8743.5	33.5	13.9	47.4	68.2	-20.8	Peak	Horizontal
	9398.0	32.6	14.5	47.1	74.0	-26.9	Peak	Horizontal
	11591.0	32.5	19.5	52.0	74.0	-22.0	Peak	Horizontal
*	6975.5	37.0	12.2	49.2	68.2	-19.0	Peak	Vertical
*	8735.0	32.2	13.9	46.1	68.2	-22.1	Peak	Vertical
	9423.5	32.4	14.5	46.9	74.0	-27.1	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	8786.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
	9398.0	31.9	14.5	46.4	74.0	-27.6	Peak	Horizontal
	11489.0	32.8	19.3	52.1	74.0	-21.9	Peak	Horizontal
*	7876.5	33.4	12.4	45.8	68.2	-22.4	Peak	Vertical
*	8820.0	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
	9423.5	32.9	14.5	47.4	74.0	-26.6	Peak	Vertical
	11633.5	32.3	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7902.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8701.0	33.4	13.8	47.2	68.2	-21.0	Peak	Horizontal
	9415.0	31.9	14.5	46.4	74.0	-27.6	Peak	Horizontal
	11472.0	33.1	19.3	52.4	74.0	-21.6	Peak	Horizontal
*	7893.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8658.5	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
	9415.0	32.8	14.5	47.3	74.0	-26.7	Peak	Vertical
	11472.0	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7944.5	36.2	12.5	48.7	68.2	-19.5	Peak	Horizontal
*	8811.5	31.2	14.0	45.2	68.2	-23.0	Peak	Horizontal
	9423.5	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
	10987.5	33.2	18.5	51.7	74.0	-22.3	Peak	Horizontal
*	7859.5	34.4	12.4	46.8	68.2	-21.4	Peak	Vertical
*	8658.5	33.3	13.6	46.9	68.2	-21.3	Peak	Vertical
	9483.0	34.6	14.4	49.0	74.0	-25.0	Peak	Vertical
	10894.0	34.0	18.3	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7919.0	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8922.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	9381.0	32.0	14.5	46.5	74.0	-27.5	Peak	Horizontal
	10902.5	34.2	18.3	52.5	74.0	-21.5	Peak	Horizontal
*	7842.5	36.6	12.4	49.0	68.2	-19.2	Peak	Vertical
*	8828.5	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9466.0	33.3	14.4	47.7	74.0	-26.3	Peak	Vertical
	11089.5	33.3	18.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	26.5	19.9	46.4	68.2	-21.8	Peak	Horizontal
*	8718.0	24.4	21.3	45.7	68.2	-22.5	Peak	Horizontal
	9432.0	25.1	20.9	46.0	74.0	-28.0	Peak	Horizontal
	11523.0	28.5	23.5	52.0	74.0	-22.0	Peak	Horizontal
*	7876.5	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8811.5	31.4	14.0	45.4	68.2	-22.8	Peak	Vertical
	9398.0	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical
	11557.0	32.4	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7936.0	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
*	8658.5	32.2	13.6	45.8	68.2	-22.4	Peak	Horizontal
	9423.5	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	11548.5	32.8	19.4	52.2	74.0	-21.8	Peak	Horizontal
*	7876.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8633.0	32.1	13.5	45.6	68.2	-22.6	Peak	Vertical
	9491.5	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical
	11506.0	32.8	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.1	12.4	47.5	68.2	-20.7	Peak	Horizontal
*	8811.5	31.0	14.0	45.0	68.2	-23.2	Peak	Horizontal
	9423.5	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	11514.5	33.9	20.6	54.5	74.0	-19.5	Peak	Horizontal
	11514.5	22.4	20.6	43.0	54.0	-11.0	Average	Horizontal
*	7859.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8735.0	31.9	13.9	45.8	68.2	-22.4	Peak	Vertical
	9398.0	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11514.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7944.5	37.0	12.5	49.5	68.2	-18.7	Peak	Horizontal
*	8820.0	32.0	14.0	46.0	68.2	-22.2	Peak	Horizontal
	9415.0	33.4	14.5	47.9	74.0	-26.1	Peak	Horizontal
	11599.5	33.4	19.4	52.8	74.0	-21.2	Peak	Horizontal
*	7927.5	34.0	12.4	46.4	68.2	-21.8	Peak	Vertical
*	8854.0	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Vertical
	11591.0	32.5	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8769.0	33.2	13.9	47.1	68.2	-21.1	Peak	Horizontal
	9423.5	32.3	14.5	46.8	74.0	-27.2	Peak	Horizontal
	11506.0	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7961.5	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	8769.0	31.2	13.9	45.1	68.2	-23.1	Peak	Vertical
	9381.0	32.3	14.5	46.8	74.0	-27.2	Peak	Vertical
	11591.0	32.4	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7868.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8735.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	9381.0	31.6	14.5	46.1	74.0	-27.9	Peak	Horizontal
	11667.5	32.8	19.3	52.1	74.0	-21.9	Peak	Horizontal
*	7876.5	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8726.5	31.8	13.8	45.6	68.2	-22.6	Peak	Vertical
	9389.5	31.4	14.5	45.9	74.0	-28.1	Peak	Vertical
	11497.5	32.5	19.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7936.0	36.3	12.4	48.7	68.2	-19.5	Peak	Horizontal
*	8743.5	31.9	13.9	45.8	68.2	-22.4	Peak	Horizontal
	9440.5	32.2	14.4	46.6	74.0	-27.4	Peak	Horizontal
	11463.5	32.5	19.3	51.8	74.0	-22.2	Peak	Horizontal
*	7936.0	35.0	12.4	47.4	68.2	-20.8	Peak	Vertical
*	8692.5	31.8	13.7	45.5	68.2	-22.7	Peak	Vertical
	9423.5	32.0	14.5	46.5	74.0	-27.5	Peak	Vertical
	11166.0	32.7	18.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	8709.5	31.7	13.8	45.5	68.2	-22.7	Peak	Horizontal
	9449.0	33.0	14.4	47.4	74.0	-26.6	Peak	Horizontal
	11565.5	32.9	19.5	52.4	74.0	-21.6	Peak	Horizontal
*	7944.5	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
*	8854.0	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9423.5	31.7	14.5	46.2	74.0	-27.8	Peak	Vertical
	11557.0	33.3	19.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.6	12.4	46.0	68.2	-22.2	Peak	Horizontal
*	8811.5	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
	9440.5	33.0	14.4	47.4	74.0	-26.6	Peak	Horizontal
	11633.5	32.7	19.4	52.1	74.0	-21.9	Peak	Horizontal
*	7927.5	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
*	8786.0	33.5	13.9	47.4	68.2	-20.8	Peak	Vertical
	9423.5	31.5	14.5	46.0	74.0	-28.0	Peak	Vertical
	11625.0	32.7	19.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	AC220m Wi-Fi module OD US (Wi-Fi Directional Antenna)	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2018/03/27
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7876.5	36.6	11.4	48.0	68.2	-20.2	Peak	Horizontal
*	8752.0	33.2	12.9	46.1	68.2	-22.1	Peak	Horizontal
	9423.5	33.3	13.4	46.7	74.0	-27.3	Peak	Horizontal
	11531.5	33.2	20.8	54.0	74.0	-20.0	Peak	Horizontal
*	7817.0	33.5	12.4	45.9	68.2	-22.3	Peak	Vertical
*	8735.0	33.1	13.9	47.0	68.2	-21.2	Peak	Vertical
	9389.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11259.5	33.2	18.8	52.0	74.0	-22.0	Peak	Vertical

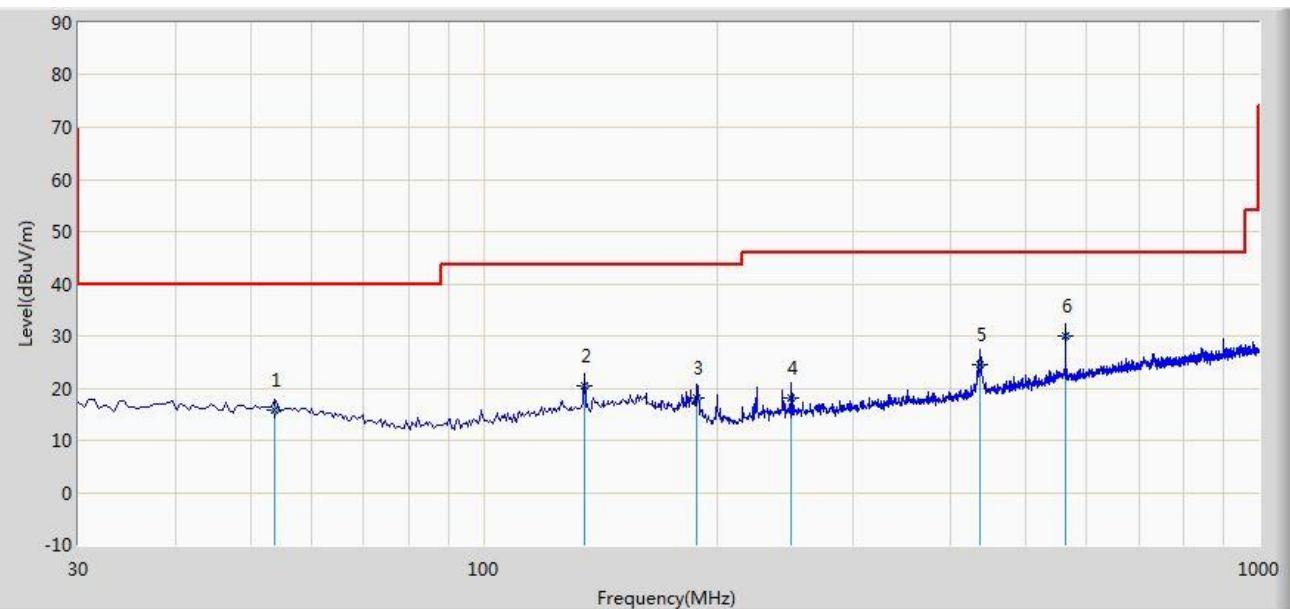
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/03/29 - 23:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



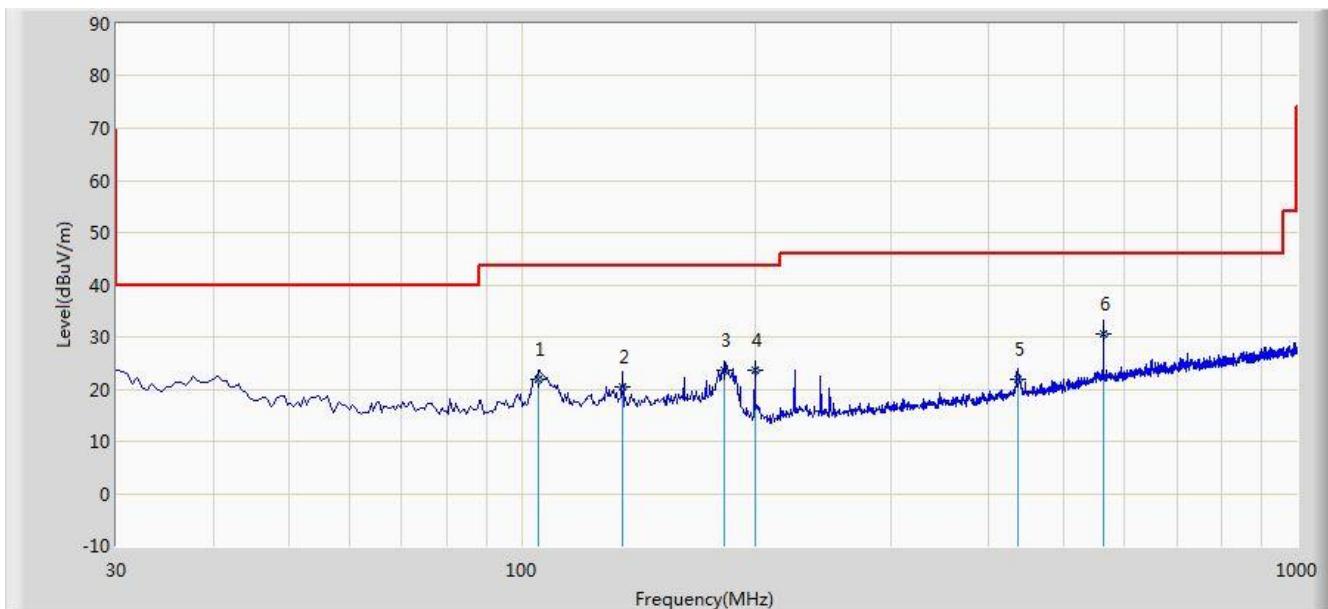
No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			53.765	15.879	1.960	-24.121	40.000	13.919	QP
2			134.760	20.445	6.250	-23.055	43.500	14.195	QP
3			188.595	18.080	6.180	-25.420	43.500	11.900	QP
4			249.700	18.167	5.150	-27.833	46.000	13.016	QP
5			437.400	24.574	6.980	-21.426	46.000	17.594	QP
6	*		562.530	30.034	10.250	-15.966	46.000	19.784	QP

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

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

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

Site: AC1	Time: 2018/03/29 - 23:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			105.175	21.779	10.180	-21.721	43.500	11.599	QP
2			134.760	20.385	6.190	-23.115	43.500	14.195	QP
3			182.775	23.535	10.950	-19.965	43.500	12.585	QP
4			199.750	23.502	12.280	-19.998	43.500	11.222	QP
5			437.400	21.844	4.250	-24.156	46.000	17.594	QP
6		*	562.530	30.474	10.690	-15.526	46.000	19.784	QP

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

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

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

7.9. Radiated 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 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 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.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above

or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 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)

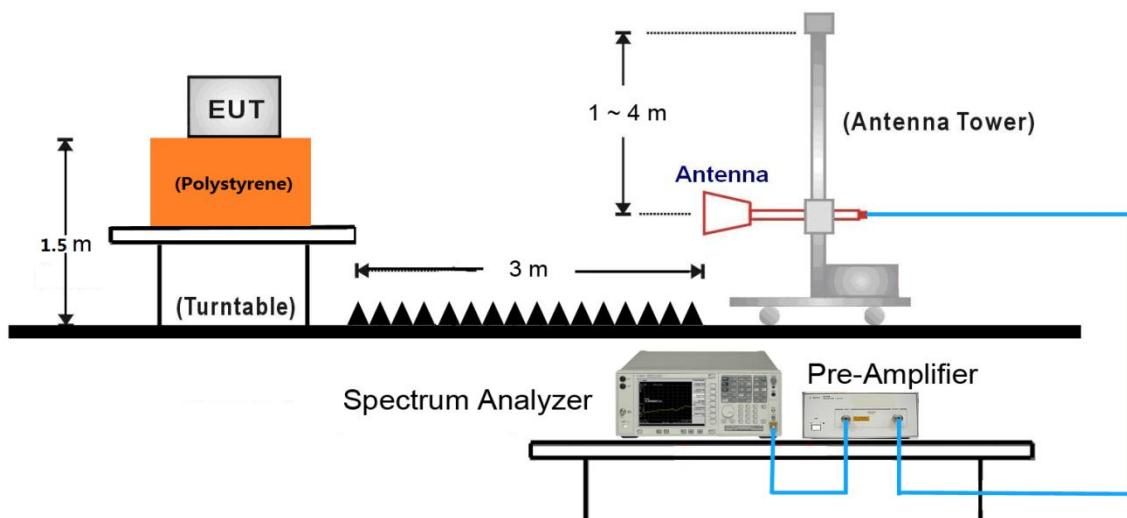
7.9.3. Test Setting

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

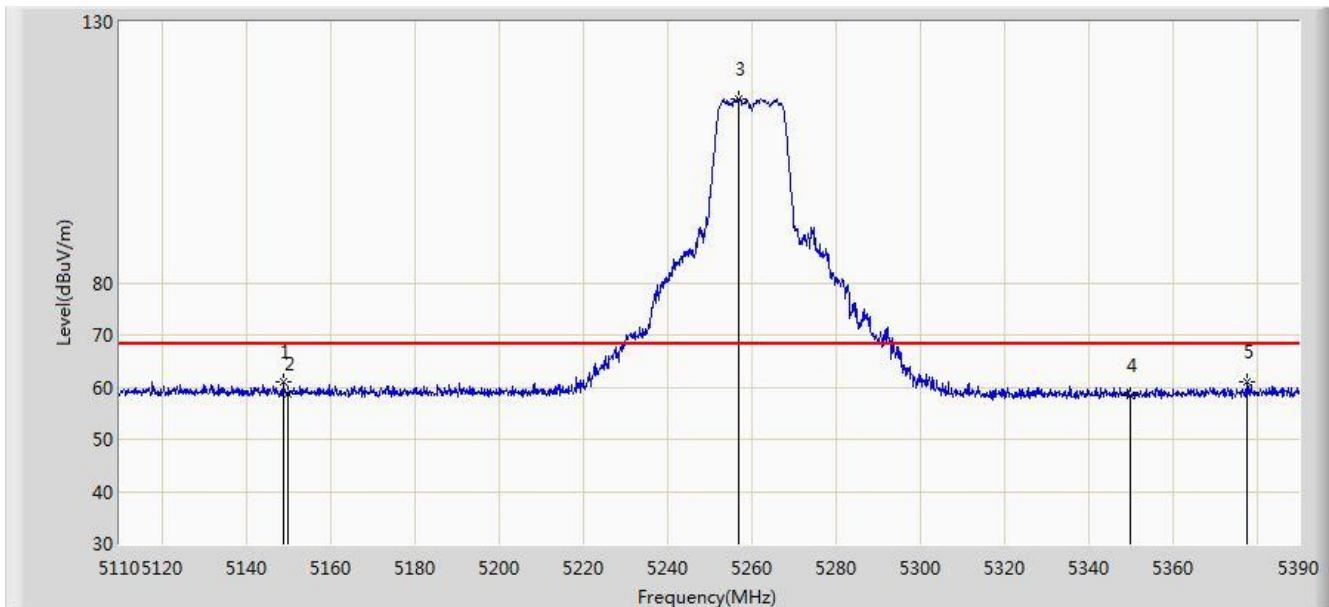
Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set $\text{VBW} \leq \text{RBW}/100$ (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$.
4. Detector = Peak
6. Sweep time = auto
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

7.9.4. Test Setup

7.9.5. Test Result

Site: AC1	Time: 2018/03/01 - 19:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5260MHz Ant 0	

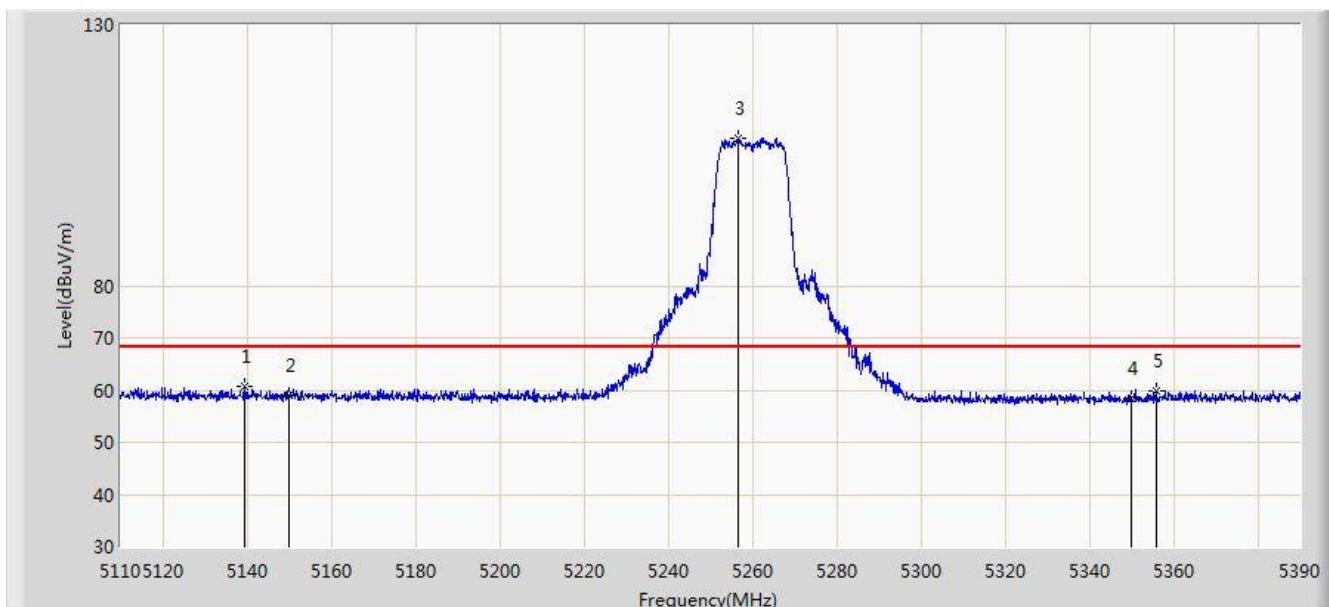


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5148.780	60.901	56.728	-7.299	68.200	4.174	PK
2			5150.000	58.793	54.624	-9.407	68.200	4.170	PK
3		*	5257.000	115.280	111.435	N/A	N/A	3.845	PK
4			5350.000	58.395	54.490	-9.805	68.200	3.904	PK
5			5377.820	61.124	57.169	-7.076	68.200	3.956	PK

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

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

Site: AC1	Time: 2018/03/01 - 19:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5260MHz Ant 0	

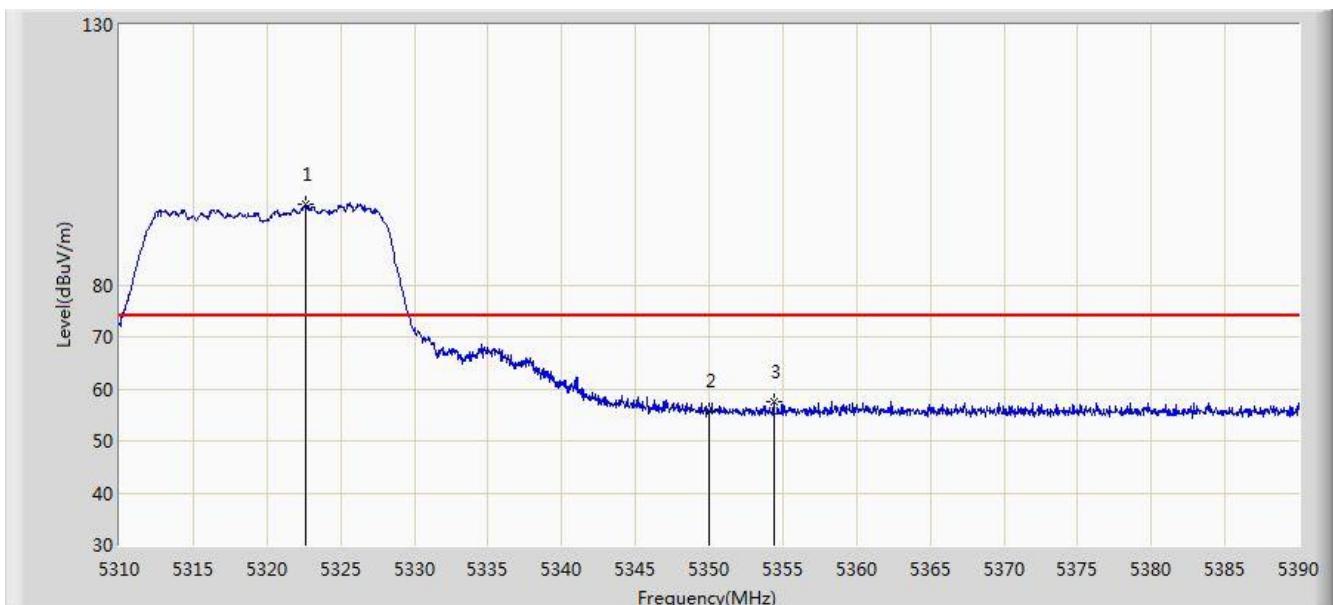


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5139.400	60.833	56.658	-7.367	68.200	4.176	PK
2			5150.000	58.856	54.687	-9.344	68.200	4.170	PK
3		*	5256.720	108.349	104.504	N/A	N/A	3.845	PK
4			5350.000	58.441	54.536	-9.759	68.200	3.904	PK
5			5355.840	59.799	55.884	-8.401	68.200	3.915	PK

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

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

Site: AC1	Time: 2017/12/06 - 23:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

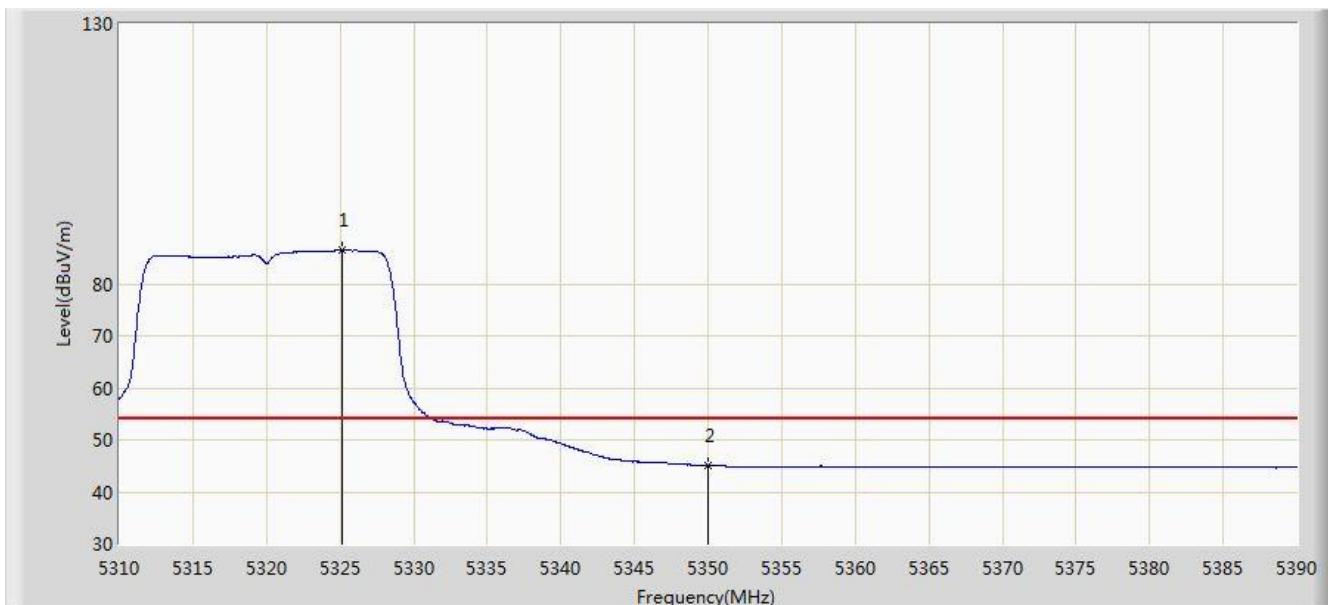


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.680	95.595	91.741	N/A	N/A	3.854	PK
2			5350.000	55.831	51.926	-18.169	74.000	3.904	PK
3			5354.400	57.582	53.669	-16.418	74.000	3.912	PK

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

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

Site: AC1	Time: 2017/12/06 - 23:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

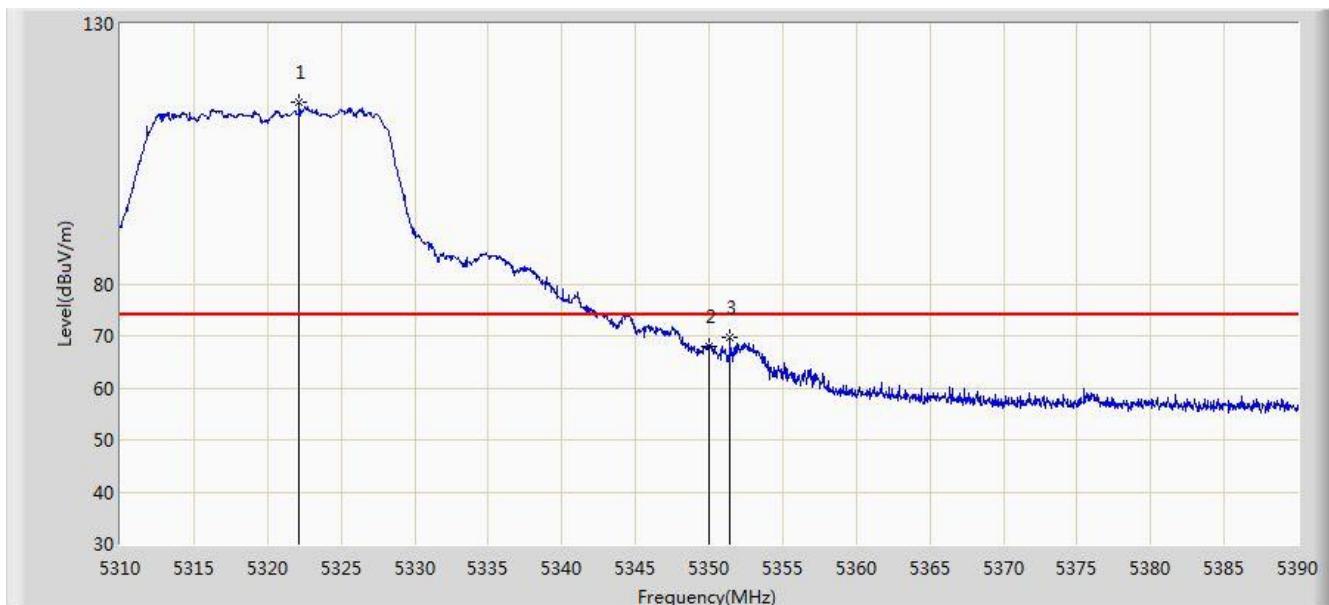


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5325.120	86.467	82.609	N/A	N/A	3.858	AV
2			5350.000	45.049	41.144	-8.951	54.000	3.904	AV

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

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

Site: AC1	Time: 2017/12/06 - 23:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

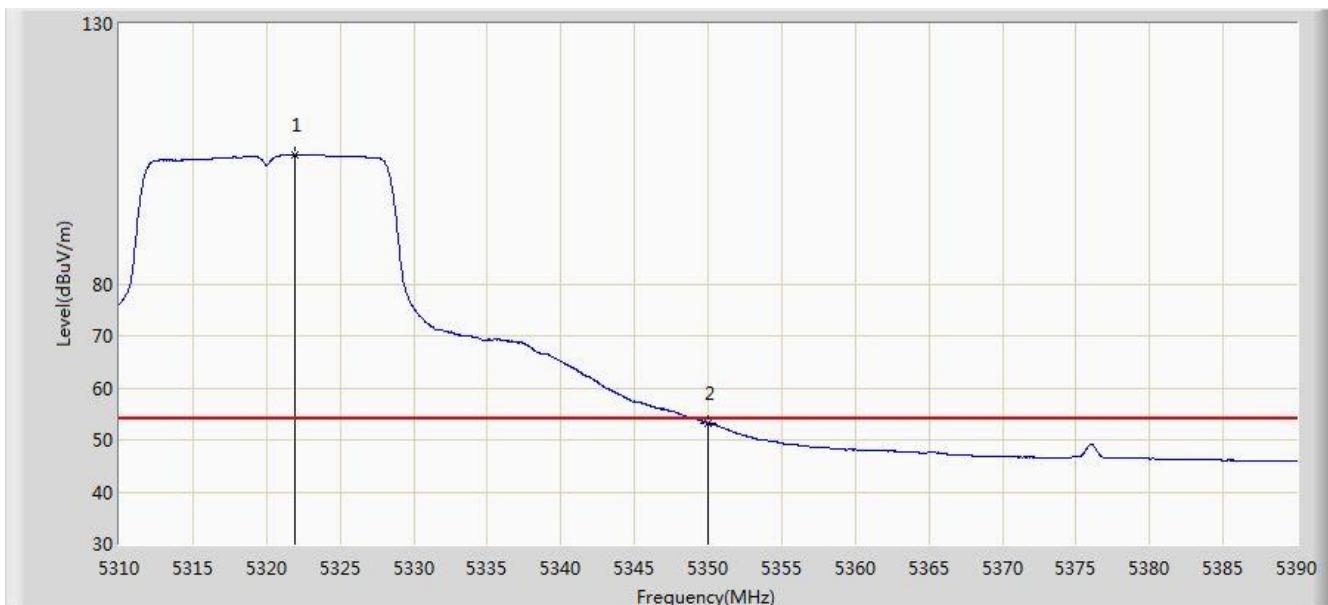


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.160	114.793	110.940	N/A	N/A	3.853	PK
2			5350.000	67.925	64.020	-6.075	74.000	3.904	PK
3			5351.440	69.624	65.717	-4.376	74.000	3.908	PK

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

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

Site: AC1	Time: 2017/12/06 - 23:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0	

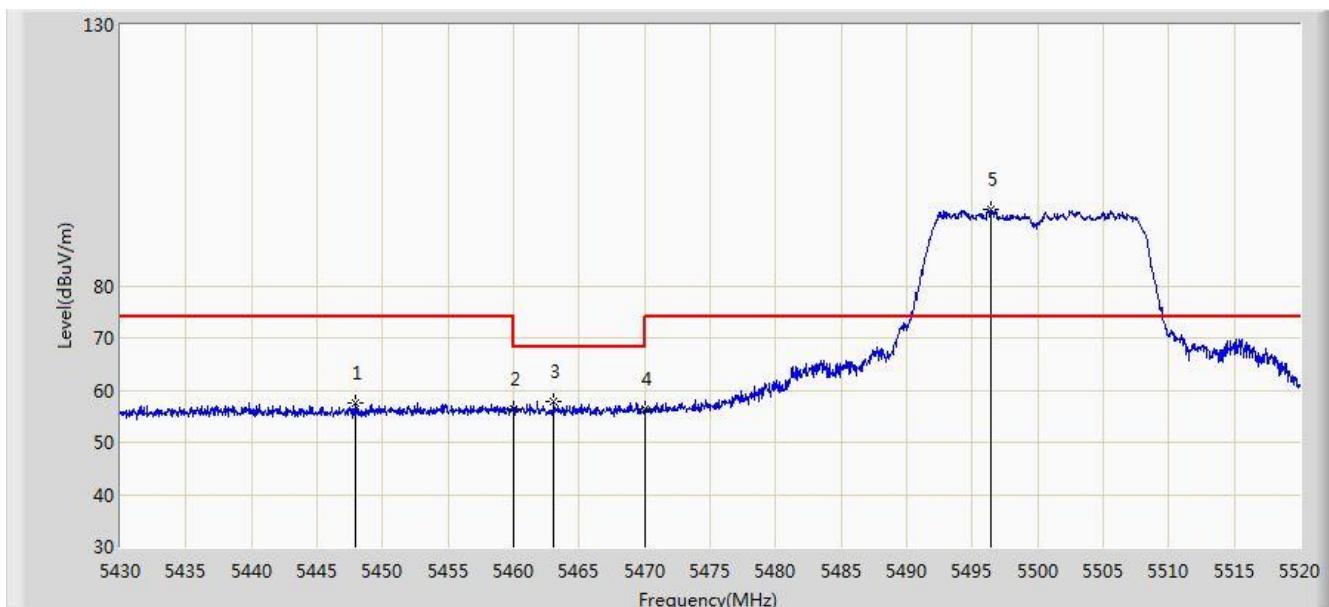


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5321.920	104.734	100.882	N/A	N/A	3.852	AV
2			5350.000	53.214	49.309	-0.786	54.000	3.904	AV

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

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

Site: AC1	Time: 2017/12/06 - 23:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

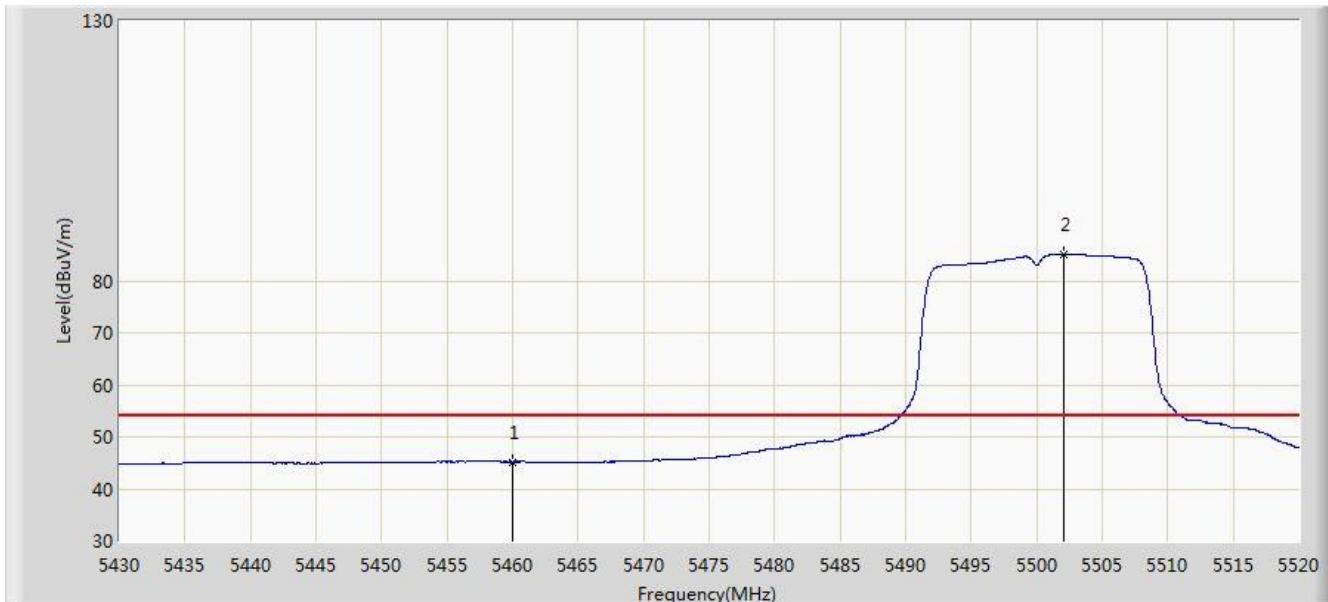


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5447.910	57.501	53.353	-16.499	74.000	4.148	PK
2			5460.000	56.352	52.172	-17.648	74.000	4.180	PK
3			5463.075	57.954	53.767	-10.246	68.200	4.187	PK
4			5470.000	56.336	52.134	-11.864	68.200	4.202	PK
5		*	5496.375	94.773	90.511	N/A	N/A	4.262	PK

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

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

Site: AC1	Time: 2017/12/06 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5460.000	45.202	41.022	-8.798	54.000	4.180	AV
2	*		5502.090	85.071	80.793	N/A	N/A	4.278	AV

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

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

Site: AC1	Time: 2017/12/06 - 23:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	

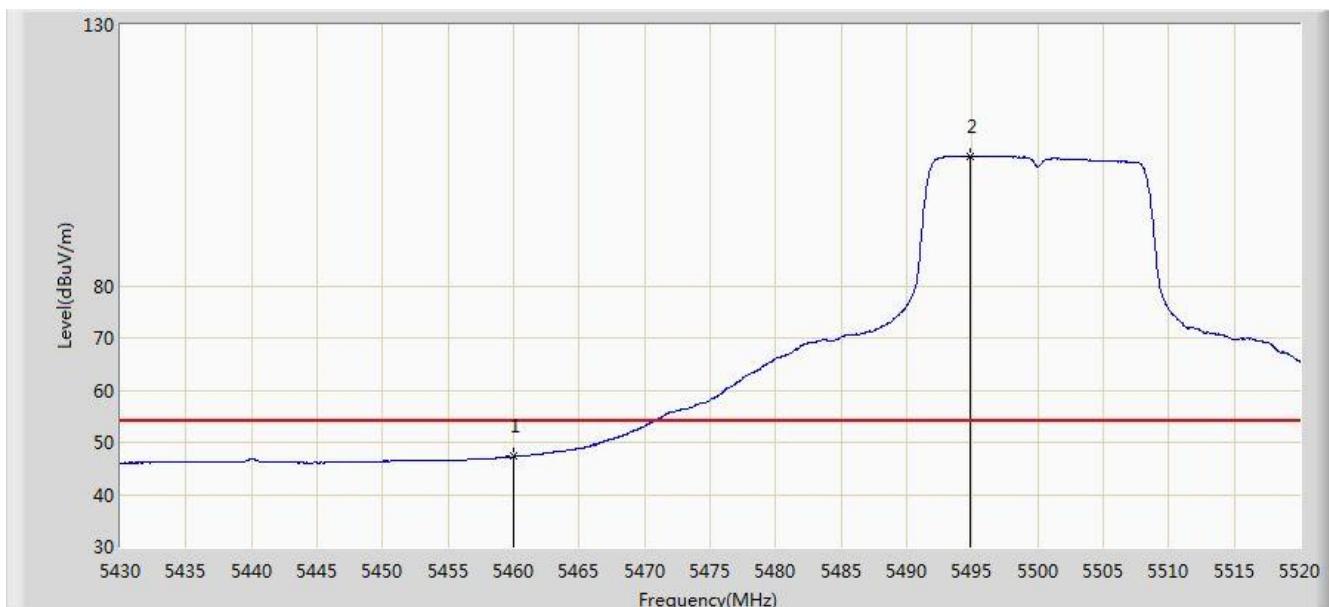


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (Db)	Type
1			5441.295	57.212	53.084	-16.788	74.000	4.128	PK
2			5460.000	56.628	52.448	-17.372	74.000	4.180	PK
3			5469.240	67.995	63.794	-0.205	68.200	4.201	PK
4			5470.000	65.820	61.618	-2.380	68.200	4.202	PK
5		*	5496.285	113.050	108.788	N/A	N/A	4.262	PK

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

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

Site: AC1	Time: 2017/12/06 - 23:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US (Wi-Fi Omni Antenna)	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5460.000	47.261	43.081	-6.739	54.000	4.180	AV
2	*	*	5494.845	104.806	100.547	N/A	N/A	4.259	AV

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

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