802.11n-HT20 Power Spectral Density	
Channel 36 (5180MHz)	Channel 44 (5220MHz)

Channel 48 (5240MHz)	Channel 52 (5260MHz)

Channel 60 (5300MHz)	Channel 64 (5320MHz)

802.11n-HT20 Power Spectral Density	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
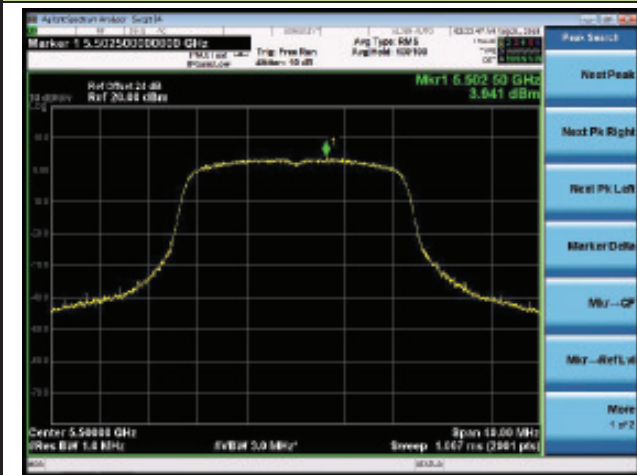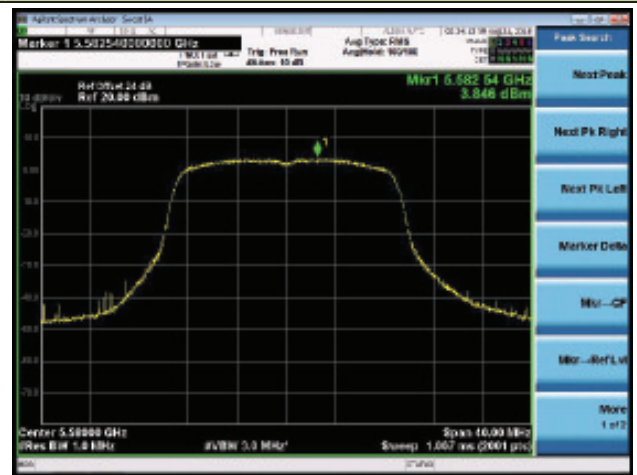
Channel 120 (5600MHz)	Channel 140 (5700MHz)
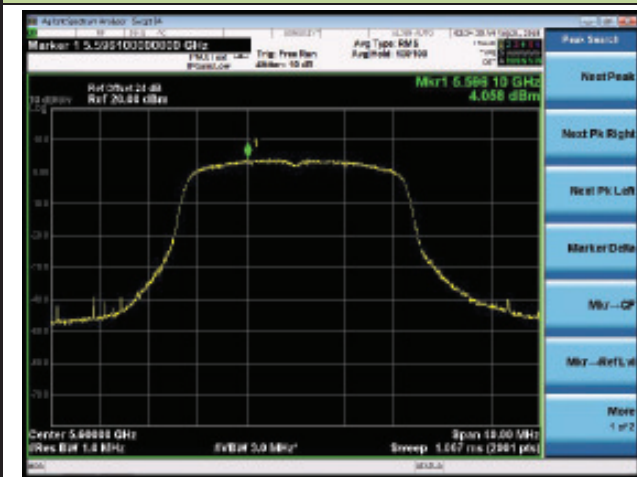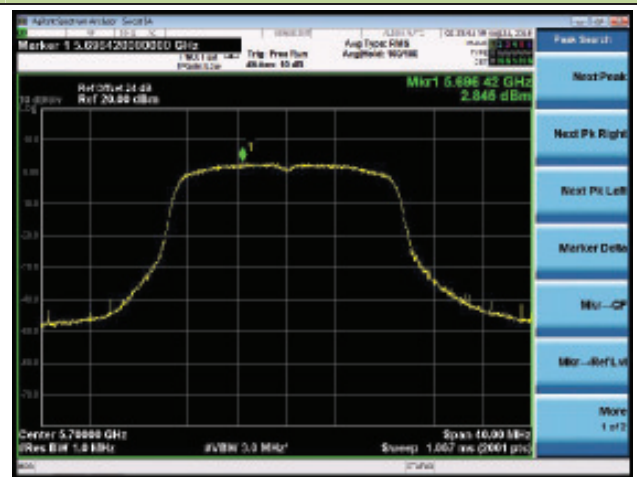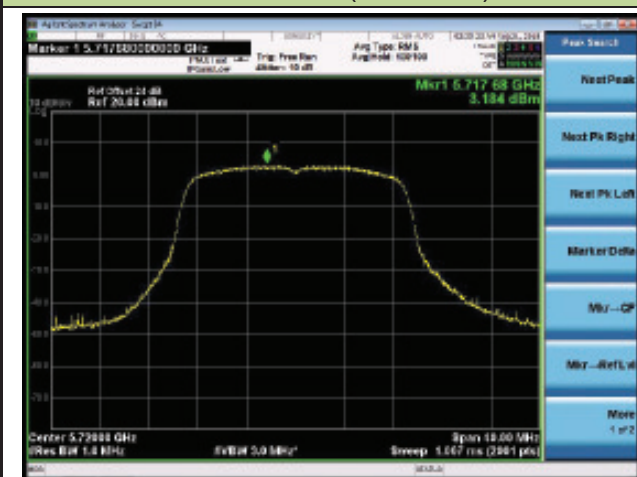
Channel 144 (5720MHz)	Channel 149 (5745MHz)

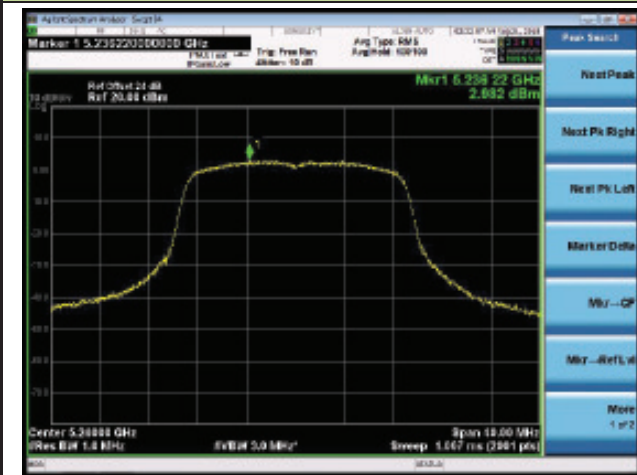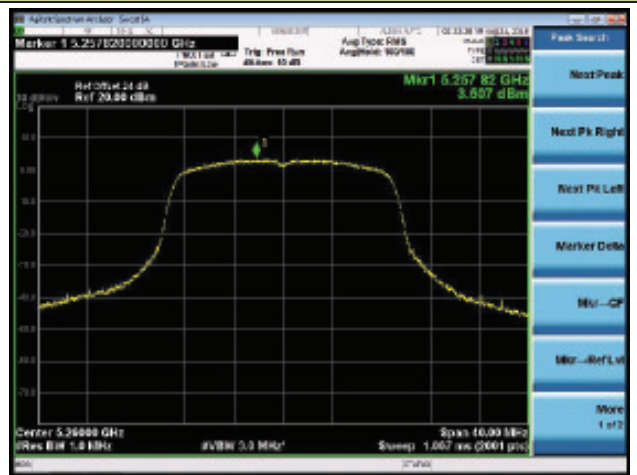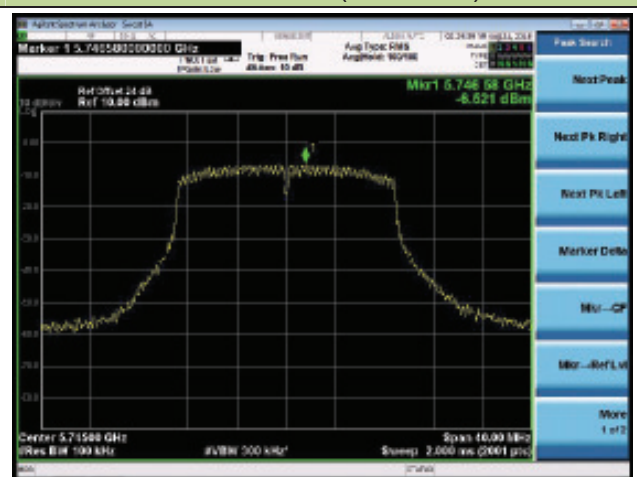## 802.11n-HT20 Power Spectral Density
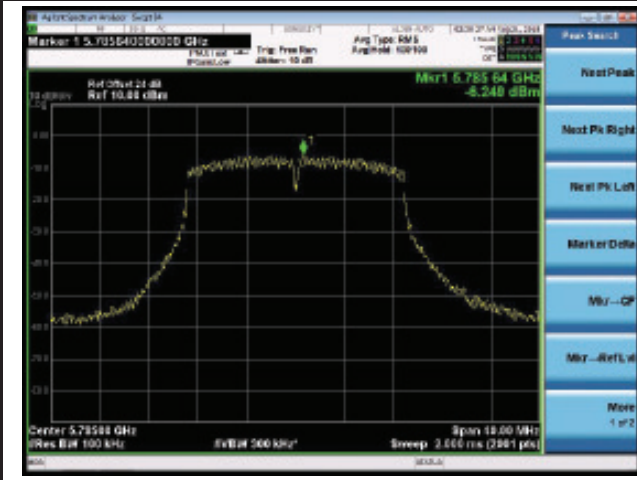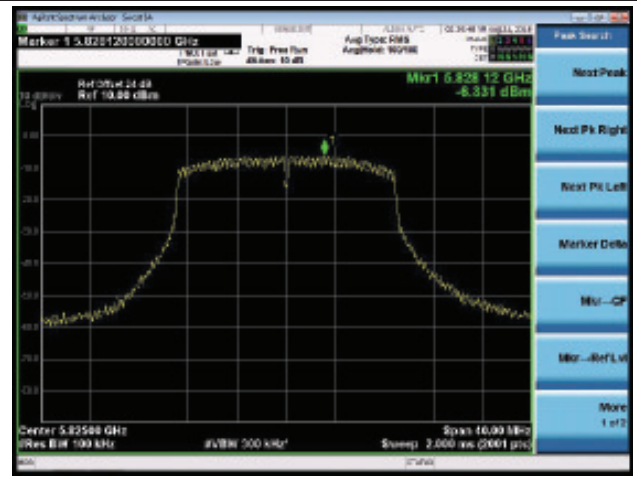
Channel 157 (5785MHz)	Channel 165 (5825MHz)
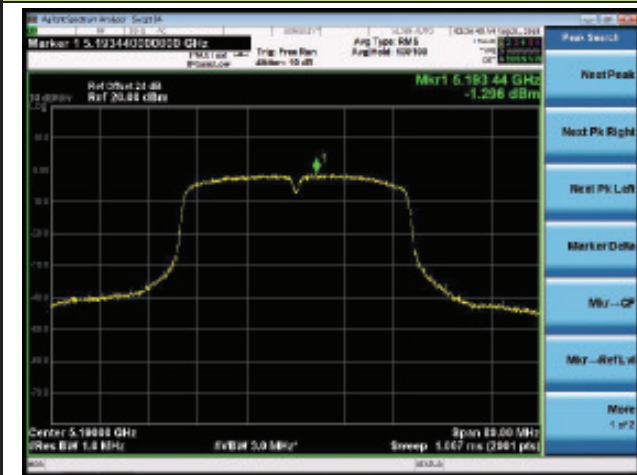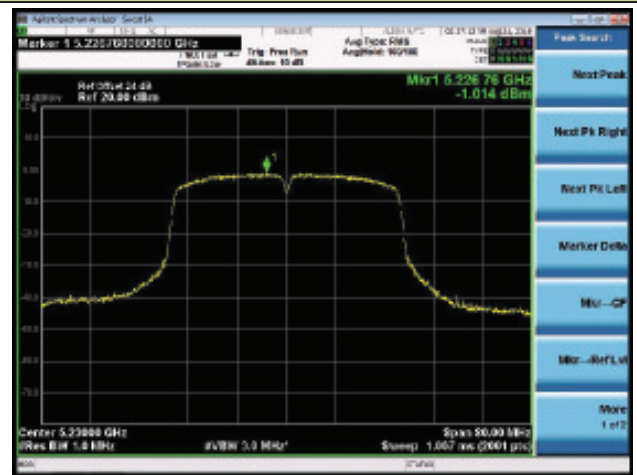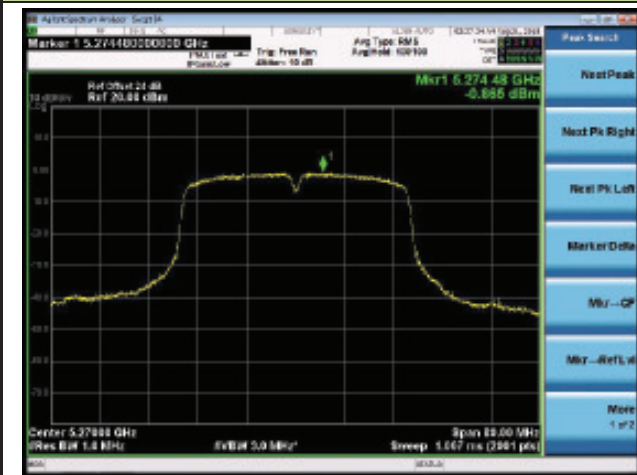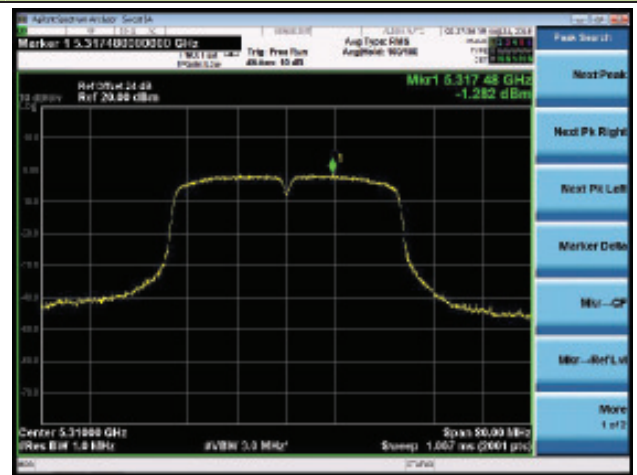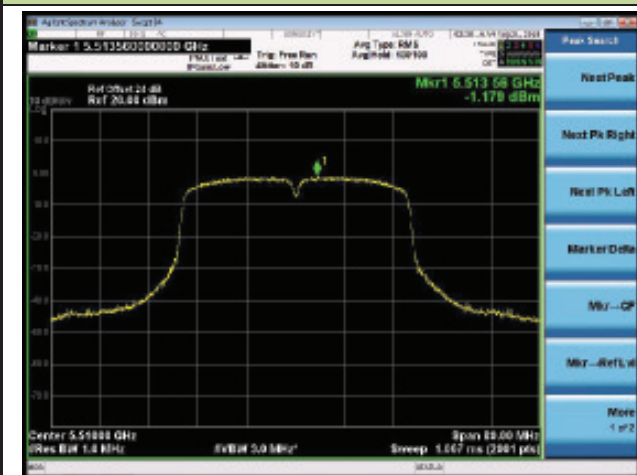
802.11n-HT40 Power Spectral Density	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
Channel 54 (5270MHz)	Channel 62 (5310MHz)
Channel 102 (5510MHz)	Channel 110 (5550MHz)
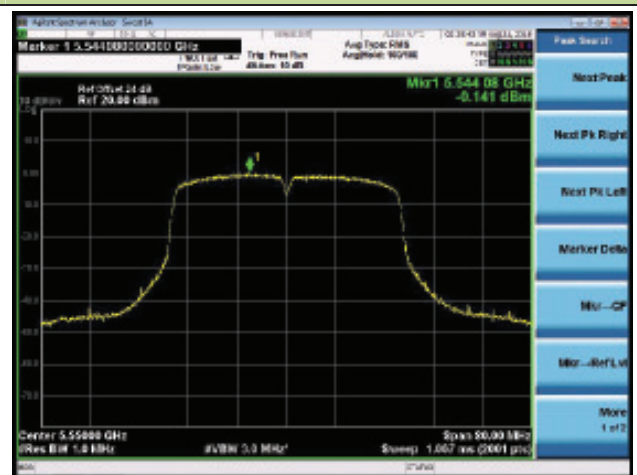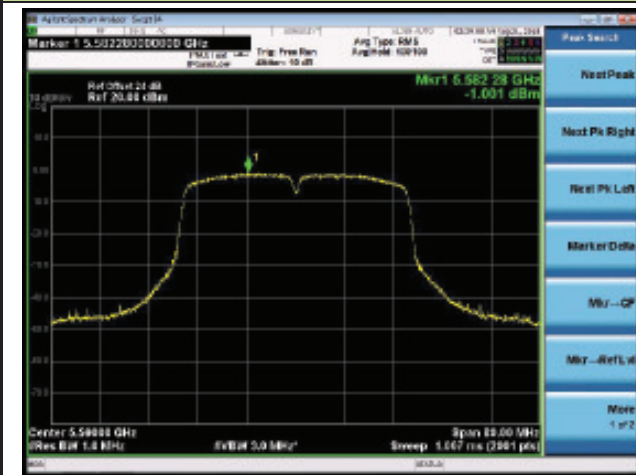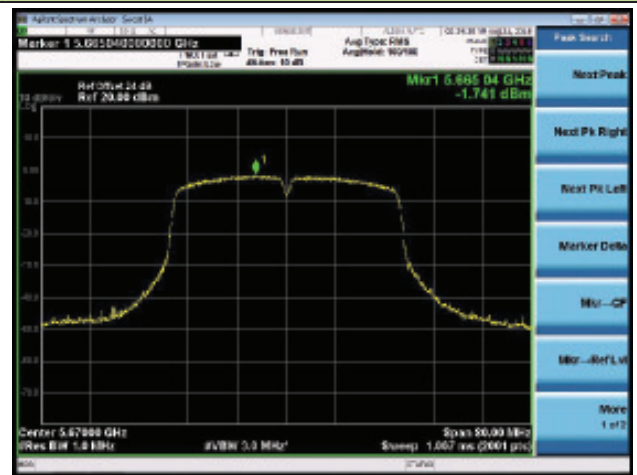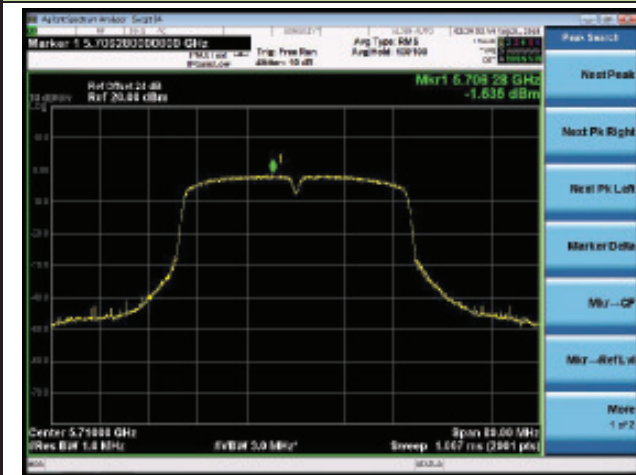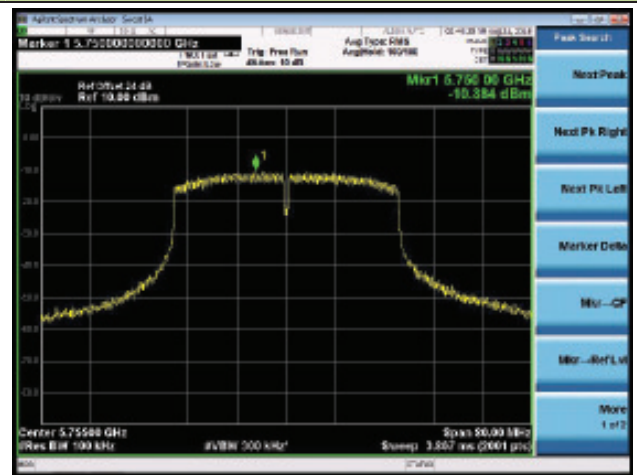
802.11n-HT40 Power Spectral Density	
Channel 118 (5590MHz)	Channel 134 (5670MHz)
Channel 142 (5710MHz)	Channel 151 (5755MHz)
Channel 159 (5795MHz)	
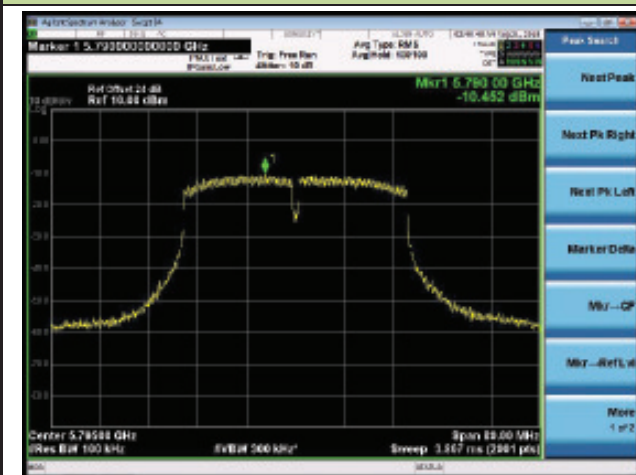
802.11ac-VHT20 Power Spectral Density	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
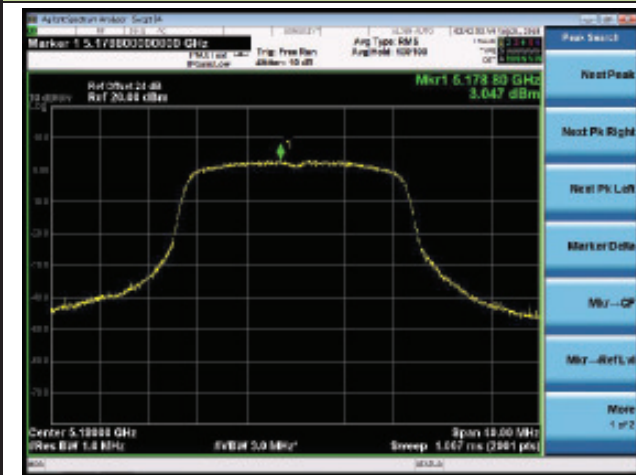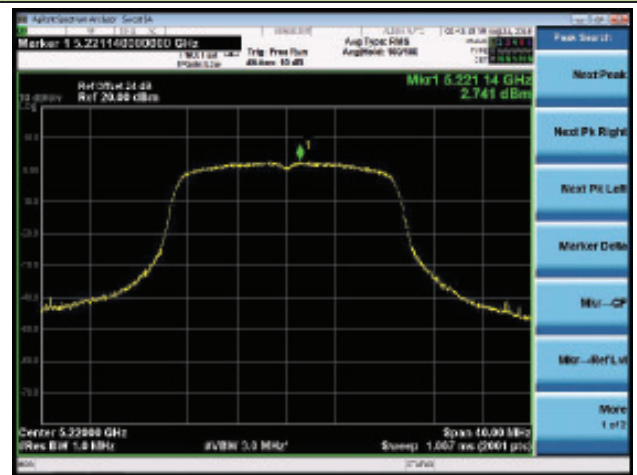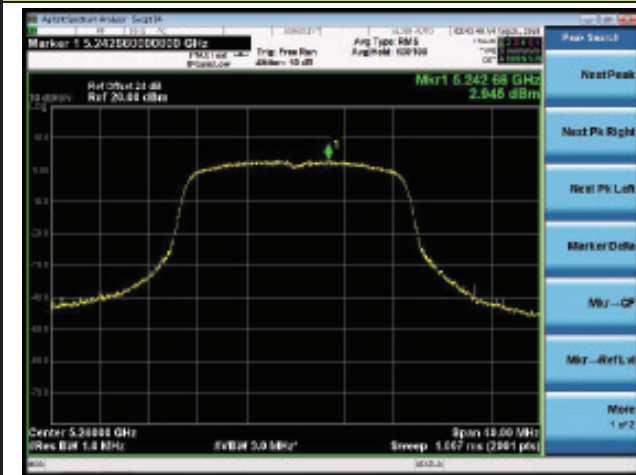
Channel 48 (5240MHz)	Channel 52 (5260MHz)
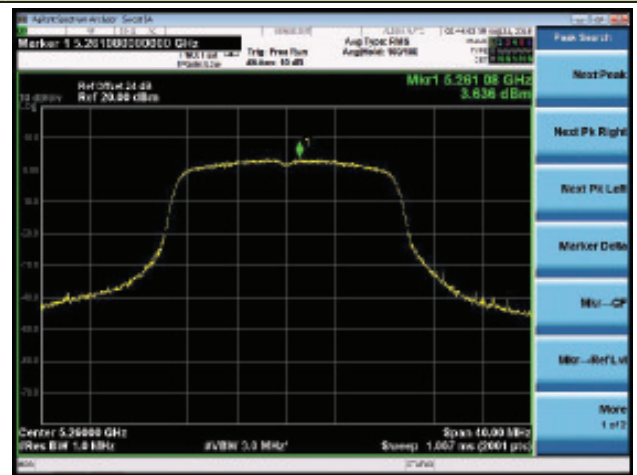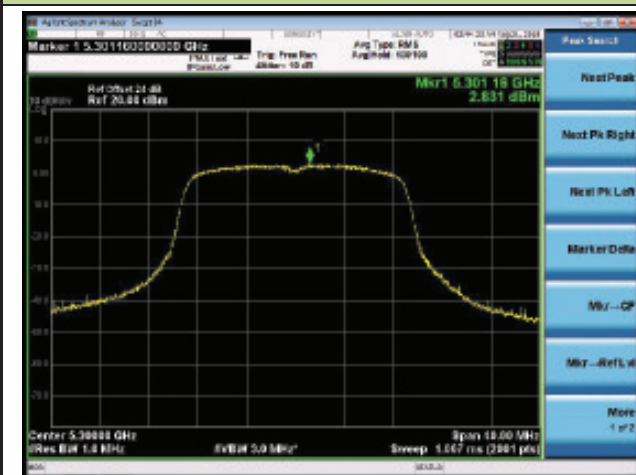
Channel 60 (5300MHz)	Channel 64 (5320MHz)
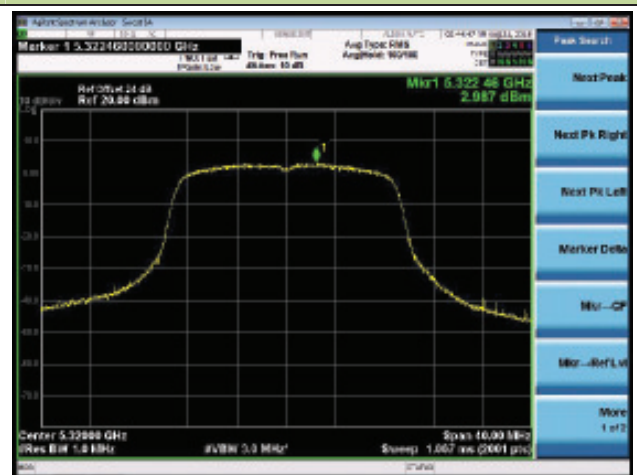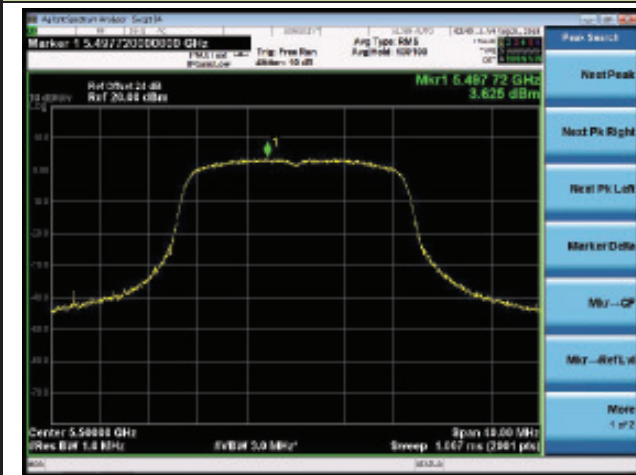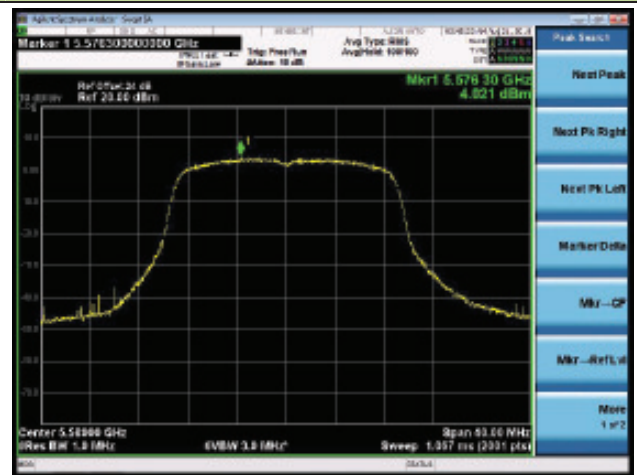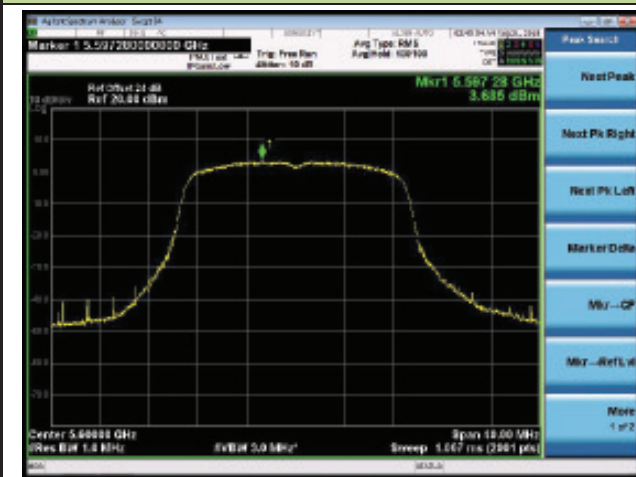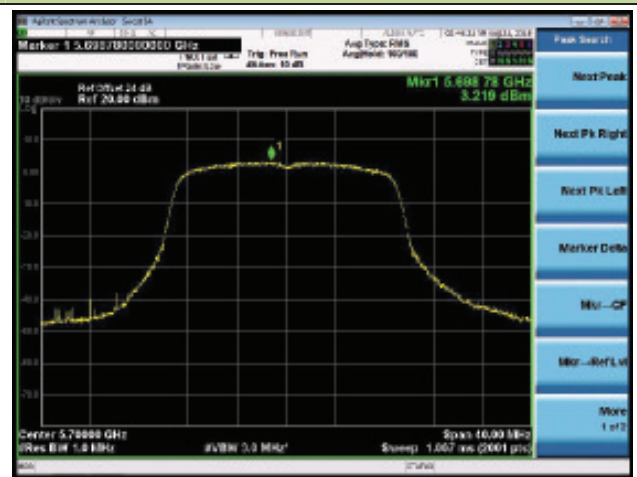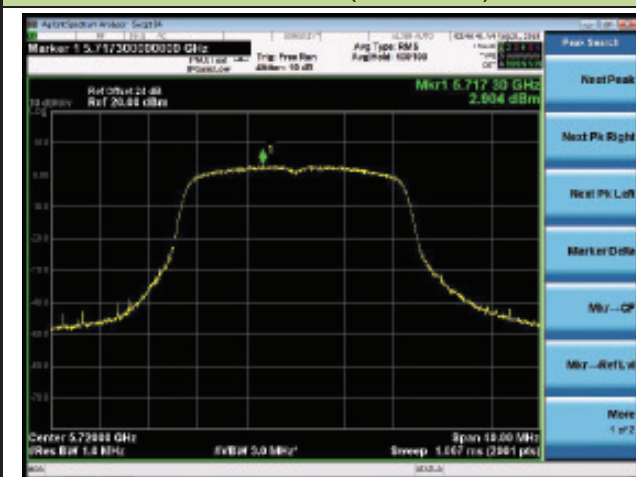
802.11ac-VHT20 Power Spectral Density	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
Channel 120 (5600MHz)	Channel 140 (5700MHz)
Channel 144 (5720MHz)	Channel 149 (5745MHz)
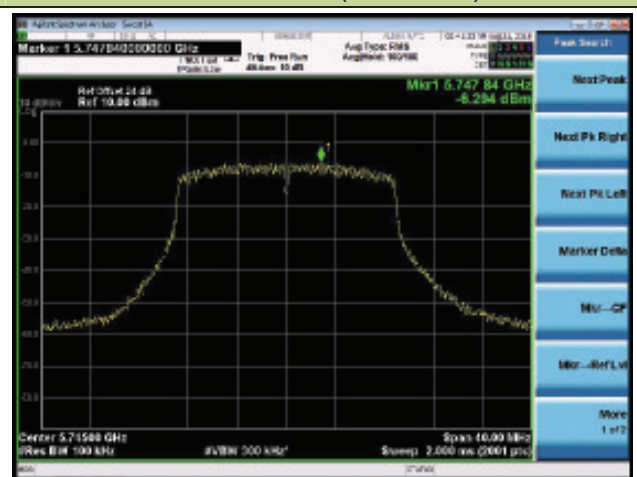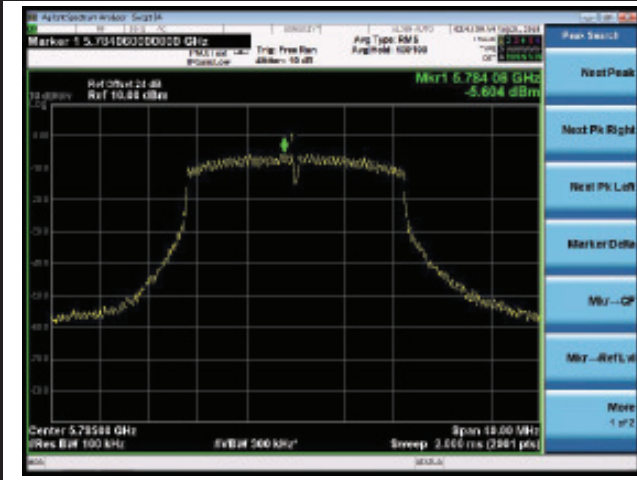
802.11ac-VHT20 Power Spectral Density	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
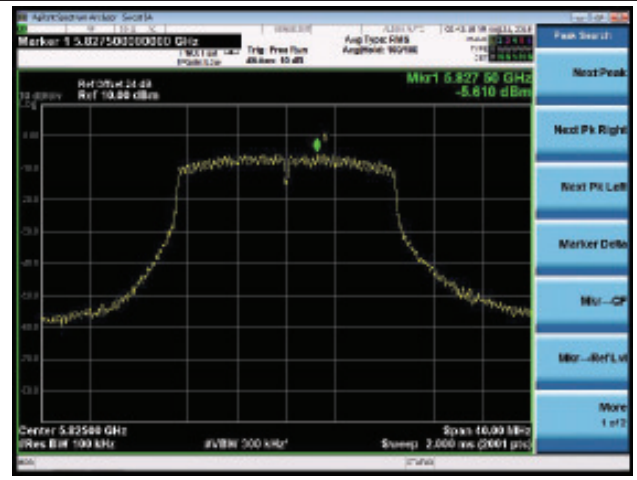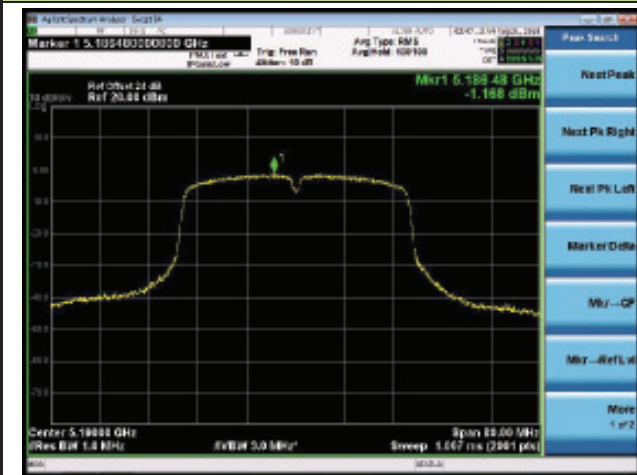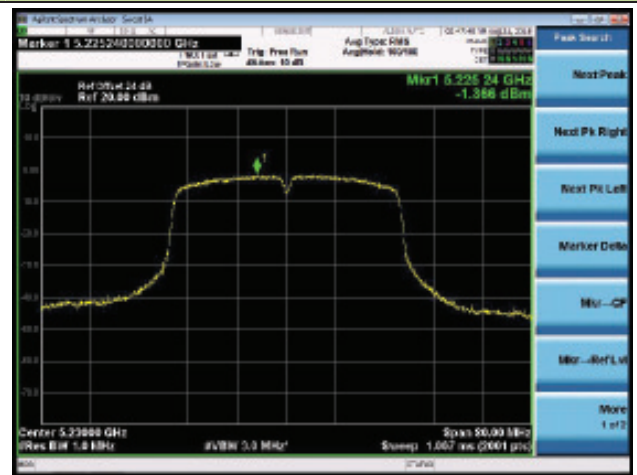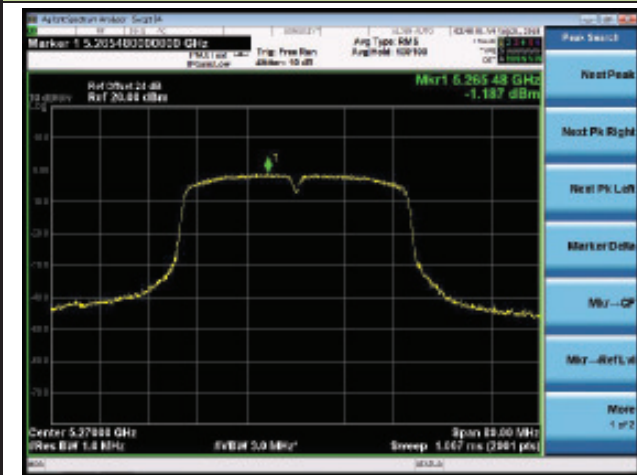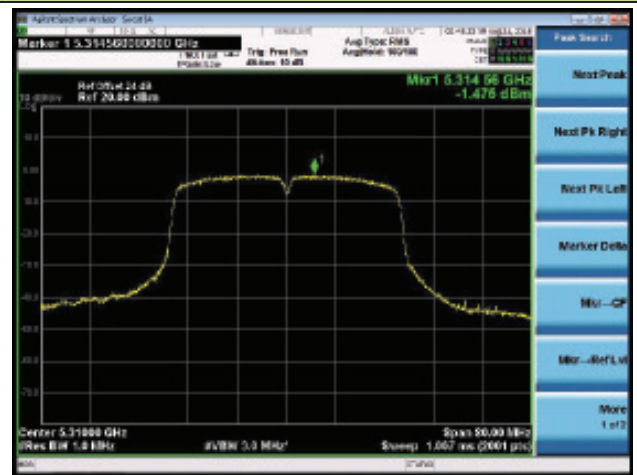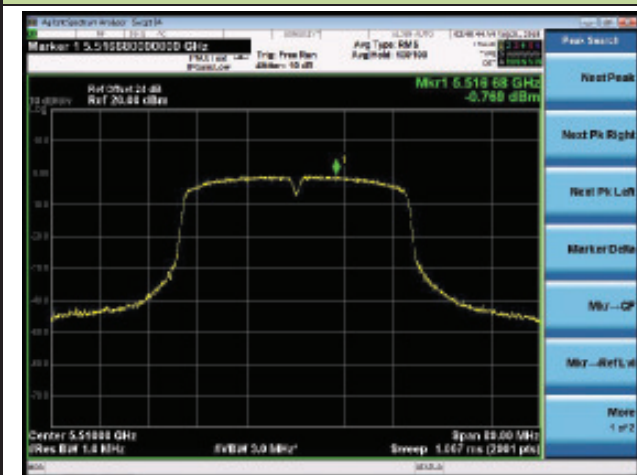
802.11ac-VHT40 Power Spectral Density	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
Channel 54 (5270MHz)	Channel 62 (5310MHz)
Channel 102 (5510MHz)	Channel 110 (5550MHz)
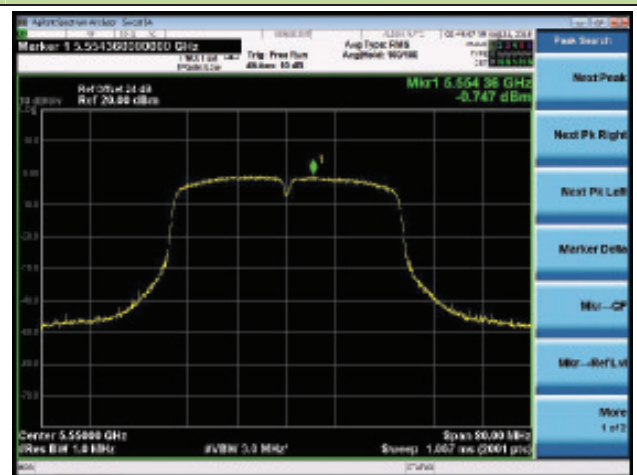
802.11ac-VHT40 Power Spectral Density	
Channel 118 (5590MHz)	Channel 134 (5670MHz)
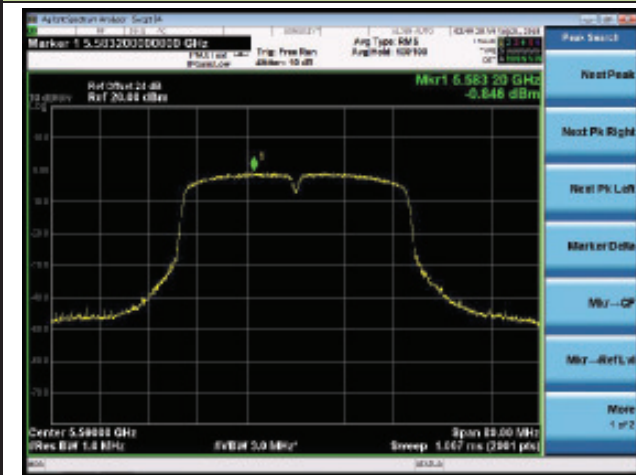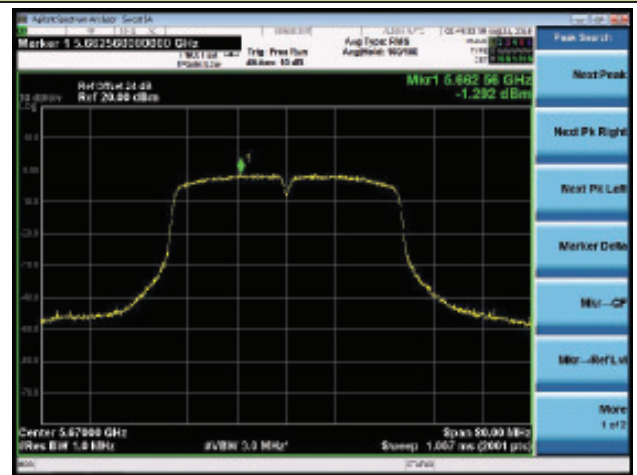
Channel 142 (5710MHz)	Channel 151 (5755MHz)
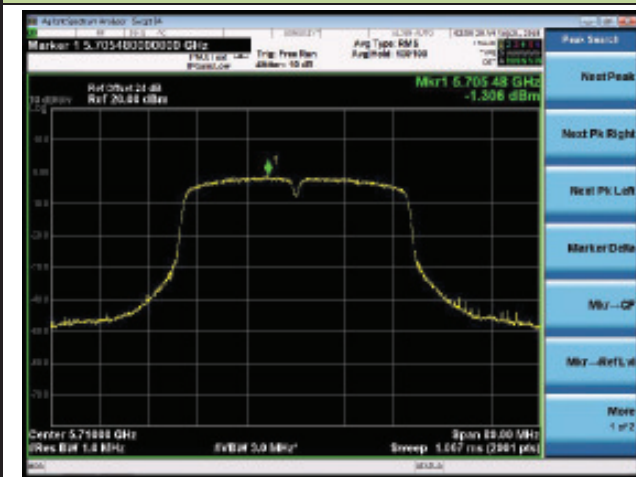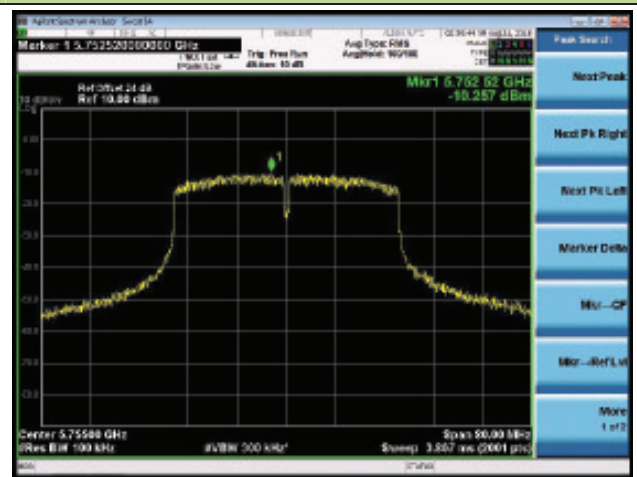
Channel 159 (5795MHz)	
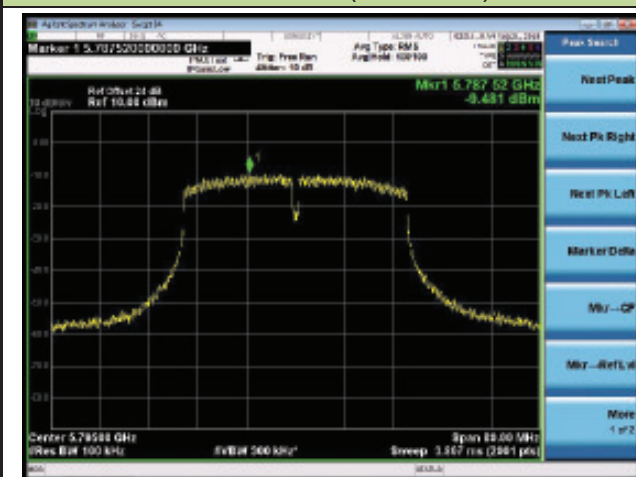
802.11ac-VHT80 Power Spectral Density
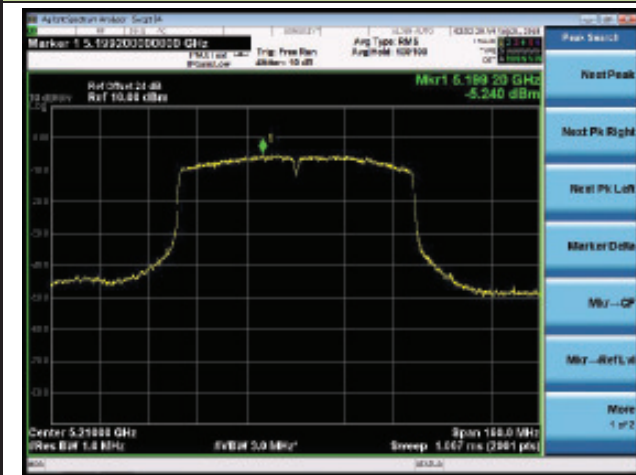
Channel 42 (5210MHz)	Channel 58 (5290MHz)
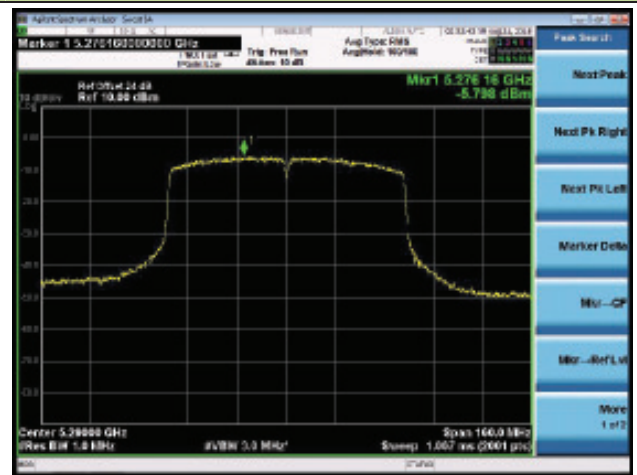
Channel 106 (5530MHz)	Channel 122 (5610MHz)
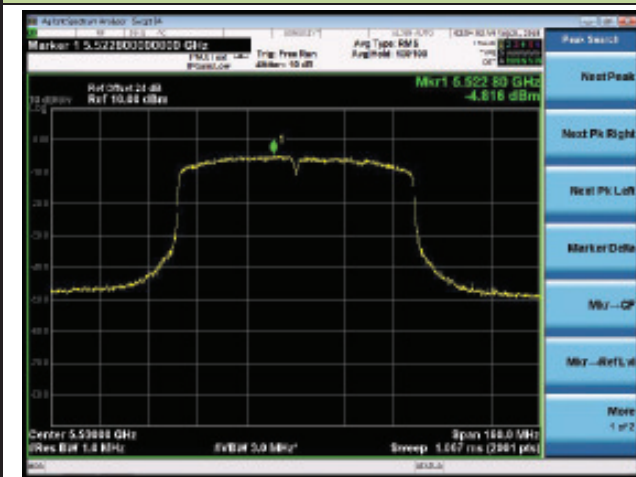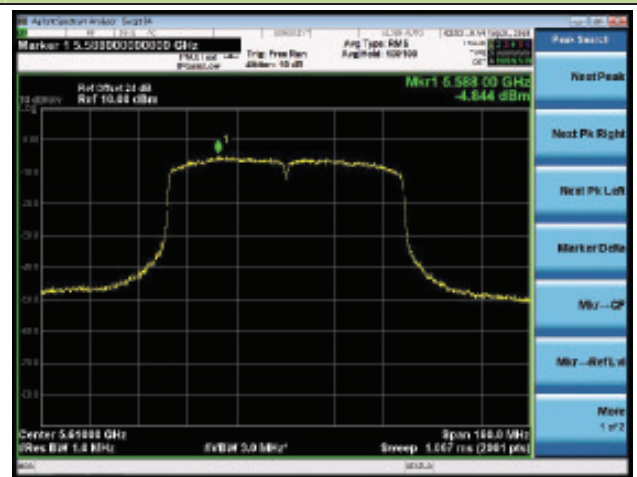
Channel 138 (5690MHz)	Channel 155 (5775MHz)
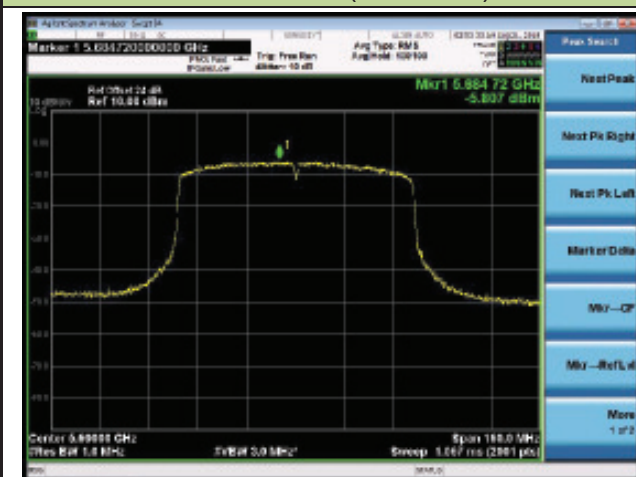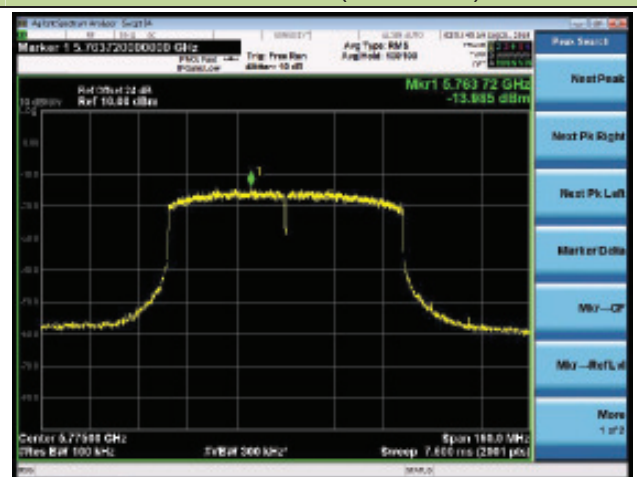
6.7. Frequency Stability Measurement

6.7.1.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.

6.7.2.Test Procedure Used

Frequency Stability Under Temperature Variations:

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

Frequency Stability Under Voltage Variations:

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

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

6.7.3.Test Setup
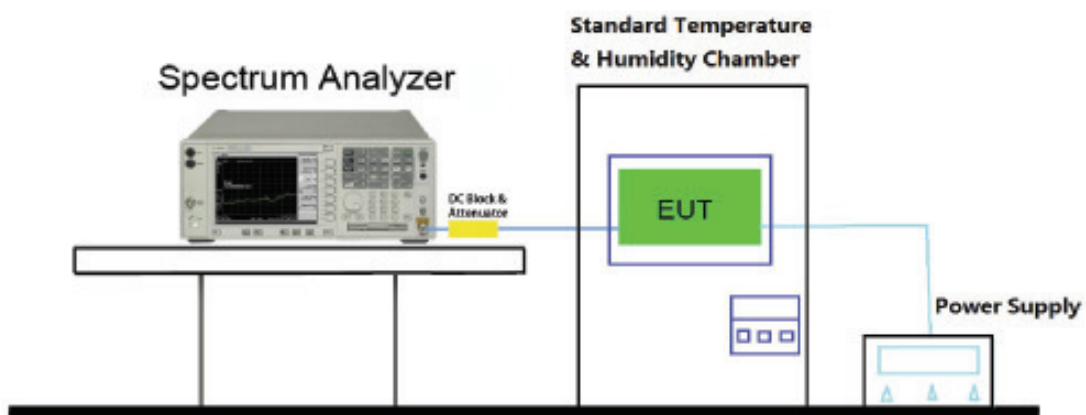
6.7.4.Test Result

Test Engineer	Dandy Li	Temperature	-30 ~ 50°C
Test Time	2018/08/23	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	TR3

Voltage (%)	Power (V_{DC})	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	3.3	- 30	4.11	3.89	3.98	4.06
		- 20	4.02	4.66	3.78	3.11
		- 10	3.77	3.18	3.68	3.36
		0	3.20	4.06	4.05	3.58
		+ 10	2.99	2.33	4.03	2.19
		+ 20 (Ref)	2.11	2.25	3.06	1.53
		+ 30	1.08	-1.66	1.55	1.67
		+ 40	-1.67	-0.98	0.88	0.87
		+ 50	-1.99	-1.43	-1.67	-1.55
115%	3.8	+ 20	-2.36	-1.83	-2.06	-1.66
85%	2.8	+ 20	-2.78	-1.89	-3.27	-2.03

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

6.8. Radiated Spurious Emission Measurement

6.8.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47

CFR must not exceed the limits shown in Table per Section 15.209.

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

6.8.2. Test Procedure Used

KDB 789033 D02v02r01 – Section G

6.8.3. Test Setting

Quasi-Peak& Average Measurements below 30MHz

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

2. Span was set greater than 1MHz

3. RBW = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency

4. Detector = CISPR quasi-peak or power average (Average)

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Quasi-Peak Measurements below 1GHz

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

2. Span was set greater than 1MHz

3. RBW = 120 kHz

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

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

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

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

2. RBW = 1MHz

3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

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.

   Simultaneously transmitting of 2.4GHz band and 5GHz band has been considered.

6.8.4.Test Setup

9kHz ~ 30MHz Test Setup:
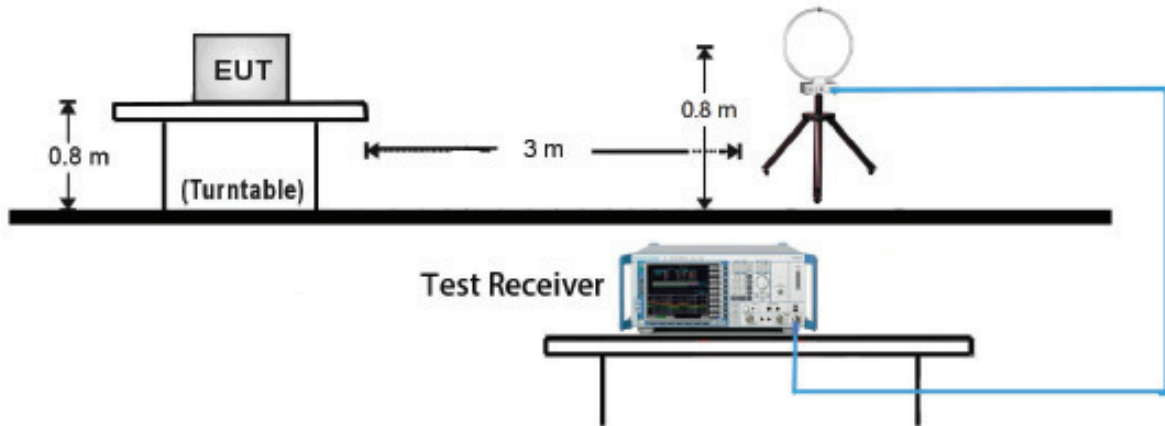
30MHz ~ 1GHz Test Setup:
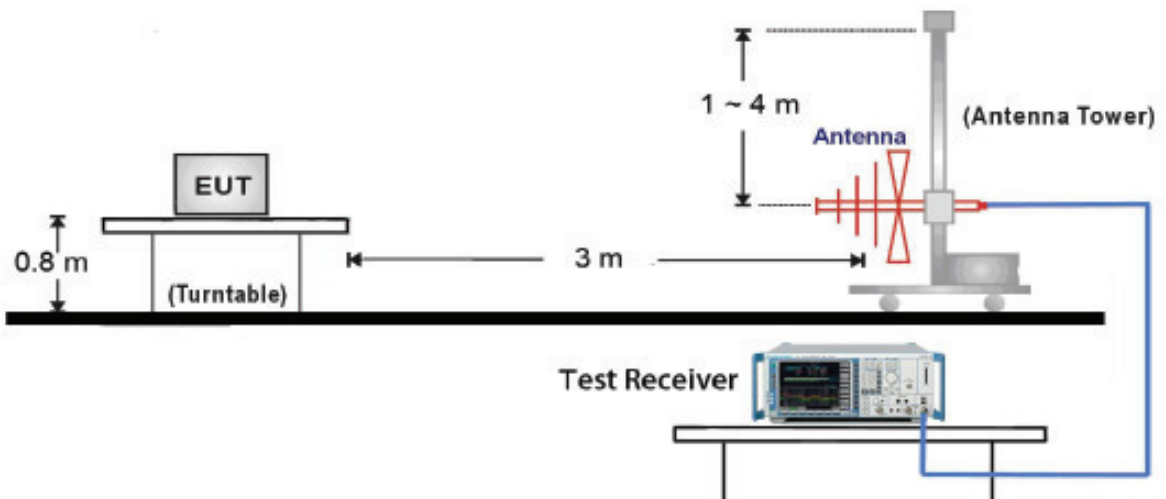
1GHz ~18GHz Test Setup:
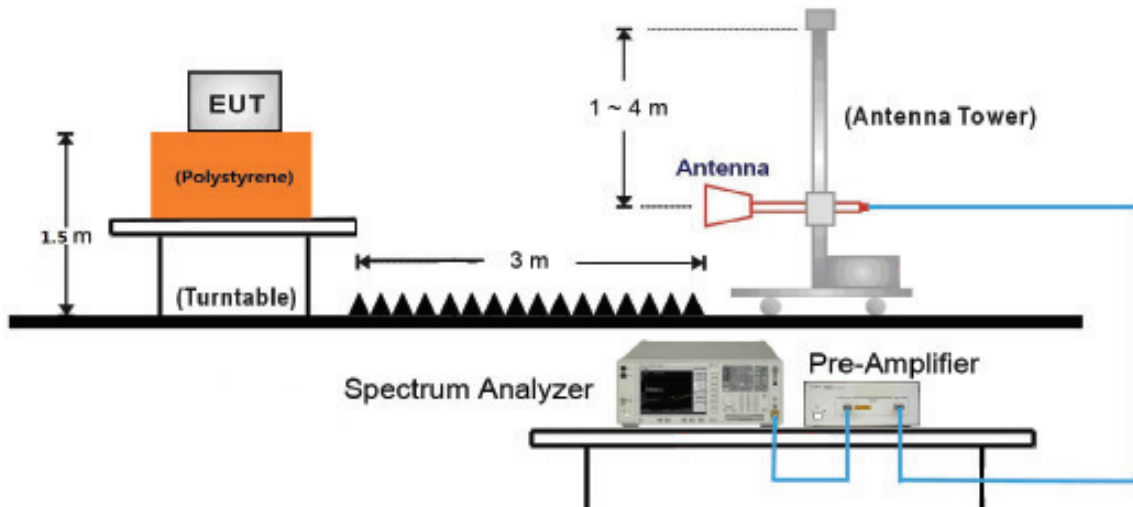
18GHz ~40GHz Test Setup:
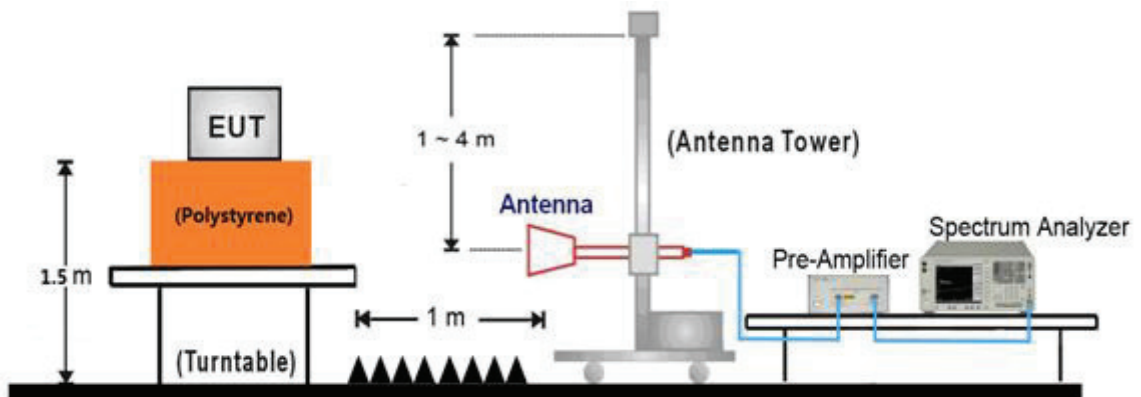
6.8.5.Test Result

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7545.0	36.0	13.0	49.0	74.0	-25.0	Peak	Horizontal
	8208.0	36.4	13.0	49.4	74.0	-24.6	Peak	Horizontal
*	8820.0	35.7	13.3	49.0	68.2	-19.2	Peak	Horizontal
*	9925.0	35.4	16.6	52.0	68.2	-16.2	Peak	Horizontal
	7460.0	36.3	12.9	49.2	74.0	-24.8	Peak	Vertical
	8242.0	36.0	13.0	49.0	74.0	-25.0	Peak	Vertical
*	8862.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	9857.0	35.7	16.7	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	36.6	12.9	49.5	74.0	-24.5	Peak	Horizontal
	8208.0	36.6	13.0	49.6	74.0	-24.4	Peak	Horizontal
*	8854.0	36.1	13.4	49.5	68.2	-18.7	Peak	Horizontal
*	10095.0	35.5	16.9	52.4	68.2	-15.8	Peak	Horizontal
	7536.5	36.0	12.9	48.9	74.0	-25.1	Peak	Vertical
	8335.5	35.9	12.6	48.5	74.0	-25.5	Peak	Vertical
*	8743.5	35.8	13.1	48.9	68.2	-19.3	Peak	Vertical
*	10256.5	34.2	17.2	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
	8301.5	34.1	12.6	46.7	74.0	-27.3	Peak	Horizontal
*	8820.0	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
*	10078.0	34.1	17.0	51.1	68.2	-17.1	Peak	Horizontal
	7562.0	36.5	12.9	49.4	74.0	-24.6	Peak	Vertical
	8131.5	36.1	13.4	49.5	74.0	-24.5	Peak	Vertical
*	8854.0	34.9	13.4	48.3	68.2	-19.9	Peak	Vertical
*	10018.5	35.5	16.6	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	36.0	12.9	48.9	74.0	-25.1	Peak	Horizontal
	8208.0	36.3	13.0	49.3	74.0	-24.7	Peak	Horizontal
*	8854.0	36.4	13.4	49.8	68.2	-18.4	Peak	Horizontal
*	10197.0	34.3	17.2	51.5	68.2	-16.7	Peak	Horizontal
	7460.0	37.1	12.9	50.0	74.0	-24.0	Peak	Vertical
	8276.0	36.2	12.8	49.0	74.0	-25.0	Peak	Vertical
*	8913.5	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical
*	10180.0	34.7	17.1	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7553.5	35.9	13.0	48.9	74.0	-25.1	Peak	Horizontal
	8225.0	35.9	13.1	49.0	74.0	-25.0	Peak	Horizontal
*	8828.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
*	9908.0	34.4	16.6	51.0	68.2	-17.2	Peak	Horizontal
	7621.5	36.2	12.6	48.8	74.0	-25.2	Peak	Vertical
	8208.0	36.1	13.0	49.1	74.0	-24.9	Peak	Vertical
*	8922.0	35.4	13.3	48.7	68.2	-19.5	Peak	Vertical
*	10061.0	34.2	16.9	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7392.0	37.1	12.6	49.7	74.0	-24.3	Peak	Horizontal
	8165.5	36.2	13.3	49.5	74.0	-24.5	Peak	Horizontal
*	8590.5	36.9	12.8	49.7	68.2	-18.5	Peak	Horizontal
*	10222.5	34.9	17.1	52.0	68.2	-16.2	Peak	Horizontal
	7434.5	36.3	12.8	49.1	74.0	-24.9	Peak	Vertical
	8148.5	34.8	13.3	48.1	74.0	-25.9	Peak	Vertical
*	8845.5	36.1	13.3	49.4	68.2	-18.8	Peak	Vertical
*	10078.0	35.1	17.0	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	35.9	12.9	48.8	74.0	-25.2	Peak	Horizontal
	8233.5	36.7	13.0	49.7	74.0	-24.3	Peak	Horizontal
*	8913.5	35.7	13.3	49.0	68.2	-19.2	Peak	Horizontal
*	10307.5	34.8	17.3	52.1	68.2	-16.1	Peak	Horizontal
	7417.5	35.9	12.7	48.6	74.0	-25.4	Peak	Vertical
	8148.5	36.0	13.3	49.3	74.0	-24.7	Peak	Vertical
*	8845.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10154.5	35.2	17.0	52.2	68.2	-16.0	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7672.5	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
	8310.0	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
*	8769.0	35.1	13.2	48.3	68.2	-19.9	Peak	Horizontal
*	9848.5	35.8	16.7	52.5	68.2	-15.7	Peak	Horizontal
	7579.0	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
	8250.5	35.9	12.9	48.8	74.0	-25.2	Peak	Vertical
*	8854.0	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
*	10180.0	34.8	17.1	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	35.6	12.7	48.3	74.0	-25.7	Peak	Horizontal
	8165.5	37.4	13.3	50.7	74.0	-23.3	Peak	Horizontal
*	8862.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
*	10375.5	35.4	17.4	52.8	68.2	-15.4	Peak	Horizontal
	7460.0	36.1	12.9	49.0	74.0	-25.0	Peak	Vertical
	8191.0	35.7	13.1	48.8	74.0	-25.2	Peak	Vertical
*	8820.0	35.7	13.3	49.0	68.2	-19.2	Peak	Vertical
*	10392.5	34.3	17.4	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7562.0	36.2	12.9	49.1	74.0	-24.9	Peak	Horizontal
	8140.0	36.2	13.4	49.6	74.0	-24.4	Peak	Horizontal
*	8888.0	35.4	13.2	48.6	68.2	-19.6	Peak	Horizontal
*	10171.5	35.0	17.0	52.0	68.2	-16.2	Peak	Horizontal
	7375.0	36.0	12.6	48.6	74.0	-25.4	Peak	Vertical
	8216.5	35.6	13.0	48.6	74.0	-25.4	Peak	Vertical
*	8837.0	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
*	10180.0	35.3	17.1	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	36.0	12.9	48.9	74.0	-25.1	Peak	Horizontal
	8250.5	35.6	12.9	48.5	74.0	-25.5	Peak	Horizontal
*	8820.0	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
*	10477.5	35.7	17.4	53.1	68.2	-15.1	Peak	Horizontal
	7672.5	36.6	12.8	49.4	74.0	-24.6	Peak	Vertical
*	8216.5	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
*	8828.5	35.5	13.3	48.8	68.2	-19.4	Peak	Vertical
	9942.0	34.8	16.8	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	36.5	12.9	49.4	74.0	-24.6	Peak	Horizontal
	8140.0	35.2	13.4	48.6	74.0	-25.4	Peak	Horizontal
*	8718.0	35.1	13.0	48.1	68.2	-20.1	Peak	Horizontal
*	10571.0	35.5	17.7	53.2	68.2	-15.0	Peak	Horizontal
	7570.5	36.0	12.9	48.9	74.0	-25.1	Peak	Vertical
	8335.5	36.3	12.6	48.9	74.0	-25.1	Peak	Vertical
*	8854.0	35.0	13.4	48.4	68.2	-19.8	Peak	Vertical
*	10180.0	34.9	17.1	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7485.5	36.2	12.8	49.0	74.0	-25.0	Peak	Horizontal
	8242.0	36.0	13.0	49.0	74.0	-25.0	Peak	Horizontal
*	8896.5	35.1	13.2	48.3	68.2	-19.9	Peak	Horizontal
*	10358.5	35.8	17.4	53.2	68.2	-15.0	Peak	Horizontal
	7502.5	36.0	12.7	48.7	74.0	-25.3	Peak	Vertical
	8157.0	36.1	13.3	49.4	74.0	-24.6	Peak	Vertical
*	8624.5	36.7	12.9	49.6	68.2	-18.6	Peak	Vertical
*	10171.5	34.0	17.0	51.0	68.2	-17.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11a	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	36.2	12.8	49.0	74.0	-25.0	Peak	Horizontal
	8429.0	36.3	12.6	48.9	74.0	-25.1	Peak	Horizontal
*	8862.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	10035.5	35.0	16.7	51.7	68.2	-16.5	Peak	Horizontal
	7443.0	36.3	12.9	49.2	74.0	-24.8	Peak	Vertical
	8157.0	36.1	13.3	49.4	74.0	-24.6	Peak	Vertical
*	8862.5	35.5	13.3	48.8	68.2	-19.4	Peak	Vertical
*	9942.0	36.0	16.8	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	35.8	12.9	48.7	74.0	-25.3	Peak	Horizontal
	8361.0	36.0	12.6	48.6	74.0	-25.4	Peak	Horizontal
*	8701.0	36.1	13.0	49.1	68.2	-19.1	Peak	Horizontal
*	10392.5	34.7	17.4	52.1	68.2	-16.1	Peak	Horizontal
	7468.5	35.6	12.9	48.5	74.0	-25.5	Peak	Vertical
	8276.0	36.8	12.8	49.6	74.0	-24.4	Peak	Vertical
*	8675.5	35.5	13.0	48.5	68.2	-19.7	Peak	Vertical
*	9891.0	34.8	16.6	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7681.0	36.2	12.8	49.0	74.0	-25.0	Peak	Horizontal
	8242.0	37.2	13.0	50.2	74.0	-23.8	Peak	Horizontal
*	8913.5	35.6	13.3	48.9	68.2	-19.3	Peak	Horizontal
*	10205.5	35.1	17.1	52.2	68.2	-16.0	Peak	Horizontal
	7434.5	35.9	12.8	48.7	74.0	-25.3	Peak	Vertical
	8131.5	35.6	13.4	49.0	74.0	-25.0	Peak	Vertical
*	8896.5	35.4	13.2	48.6	68.2	-19.6	Peak	Vertical
*	10418.0	34.7	17.3	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.4	12.7	49.1	74.0	-24.9	Peak	Horizontal
	8208.0	35.9	13.0	48.9	74.0	-25.1	Peak	Horizontal
*	8667.0	35.6	12.9	48.5	68.2	-19.7	Peak	Horizontal
*	10095.0	34.9	16.9	51.8	68.2	-16.4	Peak	Horizontal
	7689.5	36.9	12.8	49.7	74.0	-24.3	Peak	Vertical
	8327.0	36.8	12.6	49.4	74.0	-24.6	Peak	Vertical
*	8871.0	35.4	13.2	48.6	68.2	-19.6	Peak	Vertical
*	10248.0	34.5	17.2	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7553.5	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
	8242.0	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
*	8837.0	35.6	13.2	48.8	68.2	-19.4	Peak	Horizontal
*	9899.5	34.8	16.6	51.4	68.2	-16.8	Peak	Horizontal
	7426.0	36.3	12.8	49.1	74.0	-24.9	Peak	Vertical
	8361.0	36.1	12.6	48.7	74.0	-25.3	Peak	Vertical
*	8658.5	36.3	13.0	49.3	68.2	-18.9	Peak	Vertical
*	10052.5	34.4	16.8	51.2	68.2	-17.0	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7664.0	36.1	12.8	48.9	74.0	-25.1	Peak	Horizontal
	8267.5	36.2	12.8	49.0	74.0	-25.0	Peak	Horizontal
*	8709.5	36.0	13.0	49.0	68.2	-19.2	Peak	Horizontal
*	10197.0	34.6	17.2	51.8	68.2	-16.4	Peak	Horizontal
	7443.0	35.9	12.9	48.8	74.0	-25.2	Peak	Vertical
	8174.0	37.3	13.2	50.5	74.0	-23.5	Peak	Vertical
*	8692.5	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
*	9976.0	35.1	16.7	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7621.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	8225.0	36.0	13.1	49.1	74.0	-24.9	Peak	Horizontal
*	8854.0	36.5	13.4	49.9	68.2	-18.3	Peak	Horizontal
*	10171.5	34.7	17.0	51.7	68.2	-16.5	Peak	Horizontal
	7485.5	35.9	12.8	48.7	74.0	-25.3	Peak	Vertical
	8310.0	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
*	9143.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical
*	10086.5	34.3	16.9	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.5	12.7	49.2	74.0	-24.8	Peak	Horizontal
	8165.5	35.9	13.3	49.2	74.0	-24.8	Peak	Horizontal
*	8803.0	35.8	13.3	49.1	68.2	-19.1	Peak	Horizontal
*	10307.5	34.8	17.3	52.1	68.2	-16.1	Peak	Horizontal
	7443.0	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	8131.5	37.2	13.4	50.6	74.0	-23.4	Peak	Vertical
*	8862.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
*	10146.0	34.5	17.0	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
	8199.5	35.8	13.1	48.9	74.0	-25.1	Peak	Horizontal
*	8845.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	10214.0	35.1	17.1	52.2	68.2	-16.0	Peak	Horizontal
	7400.5	36.8	12.6	49.4	74.0	-24.6	Peak	Vertical
	8199.5	35.8	13.1	48.9	74.0	-25.1	Peak	Vertical
*	8650.0	35.3	13.0	48.3	68.2	-19.9	Peak	Vertical
*	10188.5	34.5	17.1	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7511.0	36.1	12.7	48.8	74.0	-25.2	Peak	Horizontal
	8199.5	35.8	13.1	48.9	74.0	-25.1	Peak	Horizontal
*	8888.0	35.5	13.2	48.7	68.2	-19.5	Peak	Horizontal
*	10392.5	34.0	17.4	51.4	68.2	-16.8	Peak	Horizontal
	7468.5	35.9	12.9	48.8	74.0	-25.2	Peak	Vertical
	8123.0	35.8	13.4	49.2	74.0	-24.8	Peak	Vertical
*	8641.5	35.9	12.9	48.8	68.2	-19.4	Peak	Vertical
*	10052.5	34.7	16.8	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	36.1	12.6	48.7	74.0	-25.3	Peak	Horizontal
	8352.5	35.8	12.6	48.4	74.0	-25.6	Peak	Horizontal
*	8862.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	10316.0	34.3	17.4	51.7	68.2	-16.5	Peak	Horizontal
	7485.5	35.9	12.8	48.7	74.0	-25.3	Peak	Vertical
	8216.5	36.7	13.0	49.7	74.0	-24.3	Peak	Vertical
*	8794.5	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
*	10069.5	35.3	17.0	52.3	68.2	-15.9	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module		Temperature	26°C
Test Engineer	Will Yan		Relative Humidity	56%
Test Site	AC1		Test Date	2018/08/23
Test Mode:	802.11n-HT20		Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.			

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	36.8	12.7	49.5	74.0	-24.5	Peak	Horizontal
	8276.0	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
*	8871.0	35.8	13.2	49.0	68.2	-19.2	Peak	Horizontal
*	10494.5	35.3	17.5	52.8	68.2	-15.4	Peak	Horizontal
	7613.0	37.0	12.6	49.6	74.0	-24.4	Peak	Vertical
	8157.0	36.8	13.3	50.1	74.0	-23.9	Peak	Vertical
*	8845.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10367.0	35.0	17.4	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7723.5	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
	8208.0	36.0	13.0	49.0	74.0	-25.0	Peak	Horizontal
*	8862.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	10052.5	34.7	16.8	51.5	68.2	-16.7	Peak	Horizontal
	7655.5	36.3	12.7	49.0	74.0	-25.0	Peak	Vertical
	8242.0	36.0	13.0	49.0	74.0	-25.0	Peak	Vertical
*	8837.0	35.9	13.2	49.1	68.2	-19.1	Peak	Vertical
*	10205.5	35.3	17.1	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7528.0	36.8	12.8	49.6	74.0	-24.4	Peak	Horizontal
	8242.0	35.9	13.0	48.9	74.0	-25.1	Peak	Horizontal
*	8718.0	35.1	13.0	48.1	68.2	-20.1	Peak	Horizontal
*	9976.0	35.2	16.7	51.9	68.2	-16.3	Peak	Horizontal
	7468.5	37.2	12.9	50.1	74.0	-23.9	Peak	Vertical
	8233.5	35.6	13.0	48.6	74.0	-25.4	Peak	Vertical
*	8624.5	35.8	12.9	48.7	68.2	-19.5	Peak	Vertical
*	10180.0	34.4	17.1	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7494.0	36.0	12.7	48.7	74.0	-25.3	Peak	Horizontal
	8386.5	36.6	12.6	49.2	74.0	-24.8	Peak	Horizontal
*	8786.0	34.2	13.3	47.5	68.2	-20.7	Peak	Horizontal
*	10290.5	34.6	17.2	51.8	68.2	-16.4	Peak	Horizontal
	7417.5	36.6	12.7	49.3	74.0	-24.7	Peak	Vertical
	8157.0	35.6	13.3	48.9	74.0	-25.1	Peak	Vertical
*	8582.0	36.6	12.8	49.4	68.2	-18.8	Peak	Vertical
*	9976.0	35.3	16.7	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	36.2	12.9	49.1	74.0	-24.9	Peak	Horizontal
	8344.0	36.7	12.6	49.3	74.0	-24.7	Peak	Horizontal
*	8590.5	36.1	12.8	48.9	68.2	-19.3	Peak	Horizontal
*	10333.0	34.4	17.3	51.7	68.2	-16.5	Peak	Horizontal
	7434.5	36.2	12.8	49.0	74.0	-25.0	Peak	Vertical
	8148.5	35.6	13.3	48.9	74.0	-25.1	Peak	Vertical
*	8667.0	35.9	12.9	48.8	68.2	-19.4	Peak	Vertical
*	9942.0	34.6	16.8	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7417.5	36.2	12.7	48.9	74.0	-25.1	Peak	Horizontal
	8216.5	36.6	13.0	49.6	74.0	-24.4	Peak	Horizontal
*	8743.5	36.5	13.1	49.6	68.2	-18.6	Peak	Horizontal
*	9993.0	34.9	16.7	51.6	68.2	-16.6	Peak	Horizontal
	7409.0	36.1	12.6	48.7	74.0	-25.3	Peak	Vertical
	8352.5	35.8	12.6	48.4	74.0	-25.6	Peak	Vertical
*	8828.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10001.5	34.9	16.7	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7613.0	37.0	12.6	49.6	74.0	-24.4	Peak	Horizontal
	8165.5	35.4	13.3	48.7	74.0	-25.3	Peak	Horizontal
*	8820.0	36.0	13.3	49.3	68.2	-18.9	Peak	Horizontal
*	10197.0	34.3	17.2	51.5	68.2	-16.7	Peak	Horizontal
	7485.5	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
	8208.0	36.1	13.0	49.1	74.0	-24.9	Peak	Vertical
*	8828.5	35.6	13.3	48.9	68.2	-19.3	Peak	Vertical
*	9848.5	35.0	16.7	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	35.3	12.9	48.2	74.0	-25.8	Peak	Horizontal
	8216.5	35.8	13.0	48.8	74.0	-25.2	Peak	Horizontal
*	8820.0	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
*	9933.5	34.7	16.7	51.4	68.2	-16.8	Peak	Horizontal
	7536.5	36.2	12.9	49.1	74.0	-24.9	Peak	Vertical
	8199.5	35.5	13.1	48.6	74.0	-25.4	Peak	Vertical
*	8837.0	35.4	13.2	48.6	68.2	-19.6	Peak	Vertical
*	9976.0	34.7	16.7	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	36.2	12.9	49.1	74.0	-24.9	Peak	Horizontal
	8293.0	35.7	12.7	48.4	74.0	-25.6	Peak	Horizontal
*	8803.0	36.2	13.3	49.5	68.2	-18.7	Peak	Horizontal
*	9840.0	34.8	16.7	51.5	68.2	-16.7	Peak	Horizontal
	7451.5	36.6	12.9	49.5	74.0	-24.5	Peak	Vertical
	8174.0	35.8	13.2	49.0	74.0	-25.0	Peak	Vertical
*	8837.0	35.7	13.2	48.9	68.2	-19.3	Peak	Vertical
*	10137.5	34.4	17.0	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7672.5	36.8	12.8	49.6	74.0	-24.4	Peak	Horizontal
	8208.0	36.6	13.0	49.6	74.0	-24.4	Peak	Horizontal
*	8760.5	35.5	13.2	48.7	68.2	-19.5	Peak	Horizontal
*	9933.5	34.8	16.7	51.5	68.2	-16.7	Peak	Horizontal
	7604.5	36.2	12.7	48.9	74.0	-25.1	Peak	Vertical
	8250.5	35.4	12.9	48.3	74.0	-25.7	Peak	Vertical
*	8837.0	35.0	13.2	48.2	68.2	-20.0	Peak	Vertical
*	10231.0	34.8	17.1	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.6	12.9	49.5	74.0	-24.5	Peak	Horizontal
	8165.5	35.8	13.3	49.1	74.0	-24.9	Peak	Horizontal
*	8862.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	10256.5	35.1	17.2	52.3	68.2	-15.9	Peak	Horizontal
	7443.0	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	8165.5	35.3	13.3	48.6	74.0	-25.4	Peak	Vertical
*	8854.0	35.5	13.4	48.9	68.2	-19.3	Peak	Vertical
*	10163.0	34.6	17.0	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
	8140.0	35.8	13.4	49.2	74.0	-24.8	Peak	Horizontal
*	8709.5	36.1	13.0	49.1	68.2	-19.1	Peak	Horizontal
*	9942.0	34.3	16.8	51.1	68.2	-17.1	Peak	Horizontal
	7638.5	36.6	12.6	49.2	74.0	-24.8	Peak	Vertical
	8114.5	35.5	13.4	48.9	74.0	-25.1	Peak	Vertical
*	8854.0	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
*	10375.5	34.8	17.4	52.2	68.2	-16.0	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7579.0	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
	8352.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
*	8658.5	35.9	13.0	48.9	68.2	-19.3	Peak	Horizontal
*	10154.5	34.4	17.0	51.4	68.2	-16.8	Peak	Horizontal
	7596.0	35.9	12.8	48.7	74.0	-25.3	Peak	Vertical
	8352.5	37.0	12.6	49.6	74.0	-24.4	Peak	Vertical
*	8845.5	35.7	13.3	49.0	68.2	-19.2	Peak	Vertical
*	10163.0	34.4	17.0	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7545.0	35.6	13.0	48.6	74.0	-25.4	Peak	Horizontal
	8148.5	35.8	13.3	49.1	74.0	-24.9	Peak	Horizontal
*	8871.0	35.4	13.2	48.6	68.2	-19.6	Peak	Horizontal
*	10146.0	34.4	17.0	51.4	68.2	-16.8	Peak	Horizontal
	7434.5	35.8	12.8	48.6	74.0	-25.4	Peak	Vertical
	8157.0	35.7	13.3	49.0	74.0	-25.0	Peak	Vertical
*	8692.5	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
*	9942.0	34.3	16.8	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT40	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7536.5	36.0	12.9	48.9	74.0	-25.1	Peak	Horizontal
	8225.0	35.6	13.1	48.7	74.0	-25.3	Peak	Horizontal
*	8879.5	36.2	13.2	49.4	68.2	-18.8	Peak	Horizontal
*	10154.5	34.7	17.0	51.7	68.2	-16.5	Peak	Horizontal
	7468.5	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	8157.0	35.6	13.3	48.9	74.0	-25.1	Peak	Vertical
*	8616.0	36.2	12.9	49.1	68.2	-19.1	Peak	Vertical
*	10307.5	34.4	17.3	51.7	68.2	-16.5	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
	8157.0	36.0	13.3	49.3	74.0	-24.7	Peak	Horizontal
*	8684.0	36.0	13.1	49.1	68.2	-19.1	Peak	Horizontal
*	10307.5	34.8	17.3	52.1	68.2	-16.1	Peak	Horizontal
	7400.5	36.8	12.6	49.4	74.0	-24.6	Peak	Vertical
	8225.0	36.1	13.1	49.2	74.0	-24.8	Peak	Vertical
*	8845.5	35.8	13.3	49.1	68.2	-19.1	Peak	Vertical
*	10231.0	34.7	17.1	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	35.7	12.9	48.6	74.0	-25.4	Peak	Horizontal
	8242.0	35.5	13.0	48.5	74.0	-25.5	Peak	Horizontal
*	8786.0	35.6	13.3	48.9	68.2	-19.3	Peak	Horizontal
*	10384.0	34.9	17.4	52.3	68.2	-15.9	Peak	Horizontal
	7451.5	35.9	12.9	48.8	74.0	-25.2	Peak	Vertical
	8199.5	35.2	13.1	48.3	74.0	-25.7	Peak	Vertical
*	8913.5	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
*	10180.0	34.0	17.1	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11n-HT20	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7400.5	35.4	12.6	48.0	74.0	-26.0	Peak	Horizontal
	8242.0	35.8	13.0	48.8	74.0	-25.2	Peak	Horizontal
*	8854.0	35.3	13.4	48.7	68.2	-19.5	Peak	Horizontal
*	9942.0	35.4	16.8	52.2	68.2	-16.0	Peak	Horizontal
	7562.0	36.5	12.9	49.4	74.0	-24.6	Peak	Vertical
	8216.5	36.0	13.0	49.0	74.0	-25.0	Peak	Vertical
*	8743.5	35.8	13.1	48.9	68.2	-19.3	Peak	Vertical
*	10035.5	34.8	16.7	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	36.1	12.8	48.9	74.0	-25.1	Peak	Horizontal
	8267.5	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
*	8837.0	35.5	13.2	48.7	68.2	-19.5	Peak	Horizontal
*	9865.5	34.3	16.7	51.0	68.2	-17.2	Peak	Horizontal
	7579.0	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
	8225.0	36.0	13.1	49.1	74.0	-24.9	Peak	Vertical
*	8777.5	35.5	13.2	48.7	68.2	-19.5	Peak	Vertical
*	10069.5	34.7	17.0	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7426.0	36.0	12.8	48.8	74.0	-25.2	Peak	Horizontal
	8199.5	35.5	13.1	48.6	74.0	-25.4	Peak	Horizontal
*	8624.5	35.4	12.9	48.3	68.2	-19.9	Peak	Horizontal
*	10528.5	35.1	17.6	52.7	68.2	-15.5	Peak	Horizontal
	7443.0	36.2	12.9	49.1	74.0	-24.9	Peak	Vertical
	8165.5	35.6	13.3	48.9	74.0	-25.1	Peak	Vertical
*	8896.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
*	9959.0	34.8	16.7	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.4	13.0	49.4	74.0	-24.6	Peak	Horizontal
	8216.5	36.9	13.0	49.9	74.0	-24.1	Peak	Horizontal
*	8879.5	35.1	13.2	48.3	68.2	-19.9	Peak	Horizontal
*	10375.5	34.9	17.4	52.3	68.2	-15.9	Peak	Horizontal
	7451.5	35.3	12.9	48.2	74.0	-25.8	Peak	Vertical
	8199.5	36.4	13.1	49.5	74.0	-24.5	Peak	Vertical
*	8743.5	35.5	13.1	48.6	68.2	-19.6	Peak	Vertical
*	10350.0	34.5	17.3	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7358.0	35.7	12.7	48.4	74.0	-25.6	Peak	Horizontal
	8446.0	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
*	8752.0	34.3	13.2	47.5	68.2	-20.7	Peak	Horizontal
*	10282.0	34.7	17.1	51.8	68.2	-16.4	Peak	Horizontal
	7451.5	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	8199.5	36.6	13.1	49.7	74.0	-24.3	Peak	Vertical
*	8828.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
*	10180.0	34.3	17.1	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	116
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	36.1	12.9	49.0	74.0	-25.0	Peak	Horizontal
	8233.5	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
*	8709.5	35.4	13.0	48.4	68.2	-19.8	Peak	Horizontal
*	10001.5	34.7	16.7	51.4	68.2	-16.8	Peak	Horizontal
	7545.0	36.2	13.0	49.2	74.0	-24.8	Peak	Vertical
	8140.0	35.5	13.4	48.9	74.0	-25.1	Peak	Vertical
*	8616.0	37.2	12.9	50.1	68.2	-18.1	Peak	Vertical
*	10214.0	34.3	17.1	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	35.5	12.8	48.3	74.0	-25.7	Peak	Horizontal
	8225.0	35.5	13.1	48.6	74.0	-25.4	Peak	Horizontal
*	8854.0	35.0	13.4	48.4	68.2	-19.8	Peak	Horizontal
*	10214.0	34.4	17.1	51.5	68.2	-16.7	Peak	Horizontal
	7647.0	36.0	12.7	48.7	74.0	-25.3	Peak	Vertical
	8250.5	35.5	12.9	48.4	74.0	-25.6	Peak	Vertical
*	8769.0	34.9	13.2	48.1	68.2	-20.1	Peak	Vertical
*	10095.0	34.9	16.9	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7443.0	35.8	12.9	48.7	74.0	-25.3	Peak	Horizontal
	8276.0	35.5	12.8	48.3	74.0	-25.7	Peak	Horizontal
*	8650.0	35.8	13.0	48.8	68.2	-19.4	Peak	Horizontal
*	10171.5	34.5	17.0	51.5	68.2	-16.7	Peak	Horizontal
	7570.5	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	8148.5	36.0	13.3	49.3	74.0	-24.7	Peak	Vertical
*	8803.0	35.7	13.3	49.0	68.2	-19.2	Peak	Vertical
*	9891.0	34.8	16.6	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7477.0	36.2	12.9	49.1	74.0	-24.9	Peak	Horizontal
	8267.5	36.0	12.8	48.8	74.0	-25.2	Peak	Horizontal
*	8888.0	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
*	10171.5	34.8	17.0	51.8	68.2	-16.4	Peak	Horizontal
	7451.5	36.3	12.9	49.2	74.0	-24.8	Peak	Vertical
	8165.5	36.3	13.3	49.6	74.0	-24.4	Peak	Vertical
*	8896.5	36.1	13.2	49.3	68.2	-18.9	Peak	Vertical
*	9993.0	34.3	16.7	51.0	68.2	-17.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	36.4	12.8	49.2	74.0	-24.8	Peak	Horizontal
	8174.0	36.5	13.2	49.7	74.0	-24.3	Peak	Horizontal
*	8845.5	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
*	10290.5	34.5	17.2	51.7	68.2	-16.5	Peak	Horizontal
	7460.0	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	8327.0	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
*	8777.5	35.5	13.2	48.7	68.2	-19.5	Peak	Vertical
*	9908.0	34.5	16.6	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.1	12.7	48.8	74.0	-25.2	Peak	Horizontal
	8259.0	35.8	12.9	48.7	74.0	-25.3	Peak	Horizontal
*	8905.0	35.8	13.3	49.1	68.2	-19.1	Peak	Horizontal
*	10214.0	34.3	17.1	51.4	68.2	-16.8	Peak	Horizontal
	7553.5	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
	8182.5	35.7	13.2	48.9	74.0	-25.1	Peak	Vertical
*	8735.0	34.4	13.0	47.4	68.2	-20.8	Peak	Vertical
*	10163.0	34.4	17.0	51.4	68.2	-16.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT20	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7451.5	35.5	12.9	48.4	74.0	-25.6	Peak	Horizontal
	8165.5	36.0	13.3	49.3	74.0	-24.7	Peak	Horizontal
*	8845.5	35.7	13.3	49.0	68.2	-19.2	Peak	Horizontal
*	9959.0	34.4	16.7	51.1	68.2	-17.1	Peak	Horizontal
	7451.5	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	8182.5	37.3	13.2	50.5	74.0	-23.5	Peak	Vertical
*	8922.0	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	9916.5	34.8	16.6	51.4	68.2	-16.8	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7528.0	37.0	12.8	49.8	74.0	-24.2	Peak	Horizontal
	8250.5	36.7	12.9	49.6	74.0	-24.4	Peak	Horizontal
*	8735.0	35.3	13.0	48.3	68.2	-19.9	Peak	Horizontal
*	10086.5	34.4	16.9	51.3	68.2	-16.9	Peak	Horizontal
	7545.0	35.3	13.0	48.3	74.0	-25.7	Peak	Vertical
	8242.0	35.5	13.0	48.5	74.0	-25.5	Peak	Vertical
*	8871.0	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
*	10307.5	34.3	17.3	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7434.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
	8250.5	35.7	12.9	48.6	74.0	-25.4	Peak	Horizontal
*	8803.0	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
*	10299.0	35.2	17.3	52.5	68.2	-15.7	Peak	Horizontal
	7477.0	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	8437.5	35.9	12.7	48.6	74.0	-25.4	Peak	Vertical
*	8735.0	34.7	13.0	47.7	68.2	-20.5	Peak	Vertical
*	10299.0	34.1	17.3	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7502.5	35.6	12.7	48.3	74.0	-25.7	Peak	Horizontal
	8208.0	35.8	13.0	48.8	74.0	-25.2	Peak	Horizontal
*	8820.0	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
*	10010.0	34.8	16.6	51.4	68.2	-16.8	Peak	Horizontal
	7426.0	36.4	12.8	49.2	74.0	-24.8	Peak	Vertical
	8242.0	36.3	13.0	49.3	74.0	-24.7	Peak	Vertical
*	8650.0	36.4	13.0	49.4	68.2	-18.8	Peak	Vertical
*	10197.0	34.4	17.2	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7553.5	36.3	13.0	49.3	74.0	-24.7	Peak	Horizontal
	8284.5	35.2	12.7	47.9	74.0	-26.1	Peak	Horizontal
*	8922.0	35.9	13.3	49.2	68.2	-19.0	Peak	Horizontal
*	10222.5	34.9	17.1	52.0	68.2	-16.2	Peak	Horizontal
	7443.0	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	8284.5	35.9	12.7	48.6	74.0	-25.4	Peak	Vertical
*	8743.5	34.9	13.1	48.0	68.2	-20.2	Peak	Vertical
*	9959.0	34.8	16.7	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7366.5	36.0	12.7	48.7	74.0	-25.3	Peak	Horizontal
	8191.0	36.5	13.1	49.6	74.0	-24.4	Peak	Horizontal
*	8896.5	36.1	13.2	49.3	68.2	-18.9	Peak	Horizontal
*	10188.5	34.5	17.1	51.6	68.2	-16.6	Peak	Horizontal
	7451.5	35.9	12.9	48.8	74.0	-25.2	Peak	Vertical
	8208.0	36.3	13.0	49.3	74.0	-24.7	Peak	Vertical
*	8794.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	10324.5	35.0	17.3	52.3	68.2	-15.9	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	110
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7545.0	35.5	13.0	48.5	74.0	-25.5	Peak	Horizontal
	8327.0	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
*	8871.0	35.8	13.2	49.0	68.2	-19.2	Peak	Horizontal
*	9984.5	34.8	16.7	51.5	68.2	-16.7	Peak	Horizontal
	7417.5	36.8	12.7	49.5	74.0	-24.5	Peak	Vertical
	8259.0	35.4	12.9	48.3	74.0	-25.7	Peak	Vertical
*	8854.0	35.8	13.4	49.2	68.2	-19.0	Peak	Vertical
*	10171.5	34.9	17.0	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.5	12.9	48.4	74.0	-25.6	Peak	Horizontal
	8199.5	35.7	13.1	48.8	74.0	-25.2	Peak	Horizontal
*	8871.0	34.8	13.2	48.0	68.2	-20.2	Peak	Horizontal
*	10528.5	35.7	17.6	53.3	68.2	-14.9	Peak	Horizontal
	7434.5	35.4	12.8	48.2	74.0	-25.8	Peak	Vertical
	8369.5	35.7	12.6	48.3	74.0	-25.7	Peak	Vertical
*	8854.0	35.8	13.4	49.2	68.2	-19.0	Peak	Vertical
*	9984.5	34.7	16.7	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 dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	35.9	12.9	48.8	74.0	-25.2	Peak	Horizontal
	8208.0	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
*	8616.0	35.7	12.9	48.6	68.2	-19.6	Peak	Horizontal
*	10520.0	34.8	17.6	52.4	68.2	-15.8	Peak	Horizontal
	7434.5	35.7	12.8	48.5	74.0	-25.5	Peak	Vertical
	8276.0	36.3	12.8	49.1	74.0	-24.9	Peak	Vertical
*	8650.0	36.6	13.0	49.6	68.2	-18.6	Peak	Vertical
*	10248.0	35.3	17.2	52.5	68.2	-15.7	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7451.5	35.7	12.9	48.6	74.0	-25.4	Peak	Horizontal
	8284.5	35.8	12.7	48.5	74.0	-25.5	Peak	Horizontal
*	8845.5	35.0	13.3	48.3	68.2	-19.9	Peak	Horizontal
*	10418.0	34.7	17.3	52.0	68.2	-16.2	Peak	Horizontal
	7392.0	36.2	12.6	48.8	74.0	-25.2	Peak	Vertical
	8233.5	35.4	13.0	48.4	74.0	-25.6	Peak	Vertical
*	8650.0	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
*	10231.0	35.7	17.1	52.8	68.2	-15.4	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.6	12.9	48.5	74.0	-25.5	Peak	Horizontal
	8293.0	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
*	8896.5	34.6	13.2	47.8	68.2	-20.4	Peak	Horizontal
*	10197.0	34.8	17.2	52.0	68.2	-16.2	Peak	Horizontal
	7409.0	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
	8225.0	36.0	13.1	49.1	74.0	-24.9	Peak	Vertical
*	8616.0	35.7	12.9	48.6	68.2	-19.6	Peak	Vertical
*	10299.0	34.6	17.3	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT40	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	36.3	12.9	49.2	74.0	-24.8	Peak	Horizontal
	8318.5	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
*	8820.0	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	10299.0	35.0	17.3	52.3	68.2	-15.9	Peak	Horizontal
	7409.0	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
	8352.5	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
*	8718.0	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
*	10299.0	34.6	17.3	51.9	68.2	-16.3	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7562.0	35.3	12.9	48.2	74.0	-25.8	Peak	Horizontal
	8191.0	35.8	13.1	48.9	74.0	-25.1	Peak	Horizontal
*	8871.0	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
*	10282.0	34.2	17.1	51.3	68.2	-16.9	Peak	Horizontal
	7579.0	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
	8276.0	34.9	12.8	47.7	74.0	-26.3	Peak	Vertical
*	8735.0	34.9	13.0	47.9	68.2	-20.3	Peak	Vertical
*	9967.5	35.3	16.7	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7366.5	35.7	12.7	48.4	74.0	-25.6	Peak	Horizontal
	8174.0	36.0	13.2	49.2	74.0	-24.8	Peak	Horizontal
*	8854.0	34.9	13.4	48.3	68.2	-19.9	Peak	Horizontal
*	10299.0	35.4	17.3	52.7	68.2	-15.5	Peak	Horizontal
	7545.0	35.6	13.0	48.6	74.0	-25.4	Peak	Vertical
	8344.0	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
*	8777.5	34.4	13.2	47.6	68.2	-20.6	Peak	Vertical
*	10205.5	35.0	17.1	52.1	68.2	-16.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7460.0	35.5	12.9	48.4	74.0	-25.6	Peak	Horizontal
	8276.0	37.0	12.8	49.8	74.0	-24.2	Peak	Horizontal
*	8658.5	35.9	13.0	48.9	68.2	-19.3	Peak	Horizontal
*	9908.0	34.9	16.6	51.5	68.2	-16.7	Peak	Horizontal
	7383.5	36.2	12.6	48.8	74.0	-25.2	Peak	Vertical
	8131.5	35.7	13.4	49.1	74.0	-24.9	Peak	Vertical
*	8726.5	35.8	13.0	48.8	68.2	-19.4	Peak	Vertical
*	10095.0	34.2	16.9	51.1	68.2	-17.1	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7562.0	36.0	12.9	48.9	74.0	-25.1	Peak	Horizontal
	8165.5	35.7	13.3	49.0	74.0	-25.0	Peak	Horizontal
*	8871.0	35.5	13.2	48.7	68.2	-19.5	Peak	Horizontal
*	10188.5	34.3	17.1	51.4	68.2	-16.8	Peak	Horizontal
	7383.5	36.2	12.6	48.8	74.0	-25.2	Peak	Vertical
	8199.5	36.0	13.1	49.1	74.0	-24.9	Peak	Vertical
*	8726.5	35.8	13.0	48.8	68.2	-19.4	Peak	Vertical
*	10384.0	34.9	17.4	52.3	68.2	-15.9	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	7664.0	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
	8293.0	36.0	12.7	48.7	74.0	-25.3	Peak	Horizontal
*	8794.5	35.7	13.3	49.0	68.2	-19.2	Peak	Horizontal
*	10171.5	34.7	17.0	51.7	68.2	-16.5	Peak	Horizontal
	7400.5	36.7	12.6	49.3	74.0	-24.7	Peak	Vertical
	8327.0	35.9	12.6	48.5	74.0	-25.5	Peak	Vertical
*	8633.0	36.6	12.9	49.5	68.2	-18.7	Peak	Vertical
*	10222.5	35.1	17.1	52.2	68.2	-16.0	Peak	Vertical

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

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

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

Product	W-LAN + Bluetooth Module	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	56%
Test Site	AC1	Test Date	2018/08/23
Test Mode:	802.11ac-VHT80	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

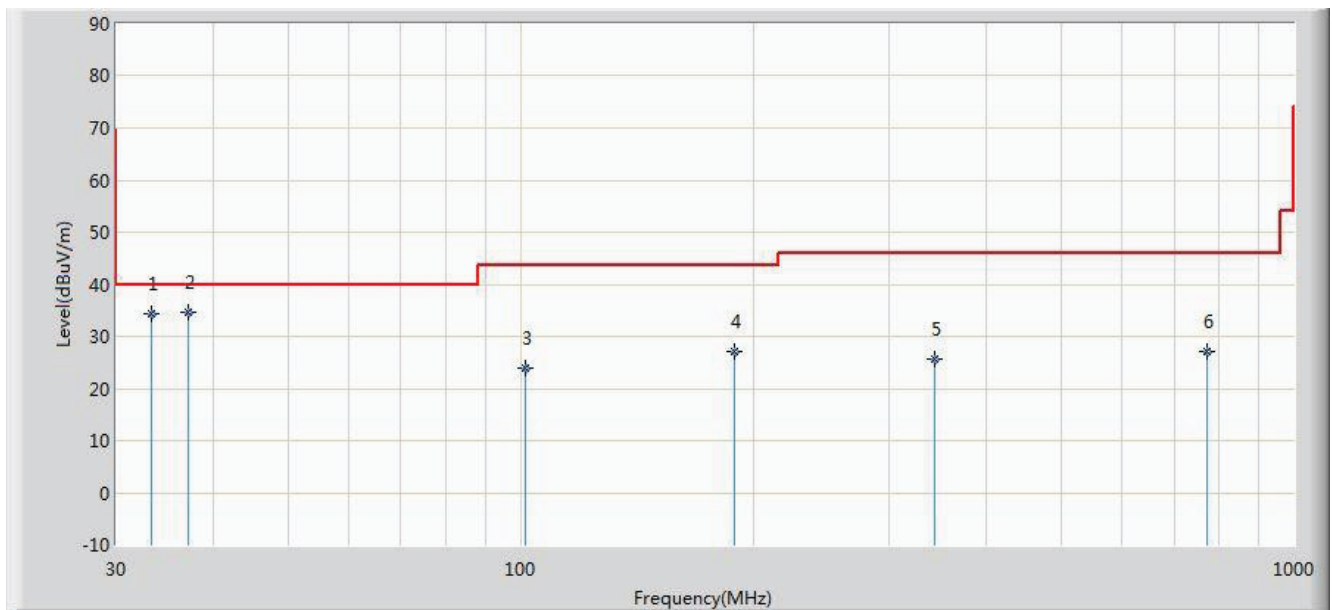| Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	35.1	12.9	48.0	74.0	-26.0	Peak	Horizontal
	8208.0	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
*	8803.0	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	9993.0	34.6	16.7	51.3	68.2	-16.9	Peak	Horizontal
	7443.0	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	8242.0	36.6	13.0	49.6	74.0	-24.4	Peak	Vertical
*	8854.0	37.0	13.4	50.4	68.2	-17.8	Peak	Vertical
*	9831.5	35.1	16.6	51.7	68.2	-16.5	Peak	Vertical

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

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/08/25 - 08:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V

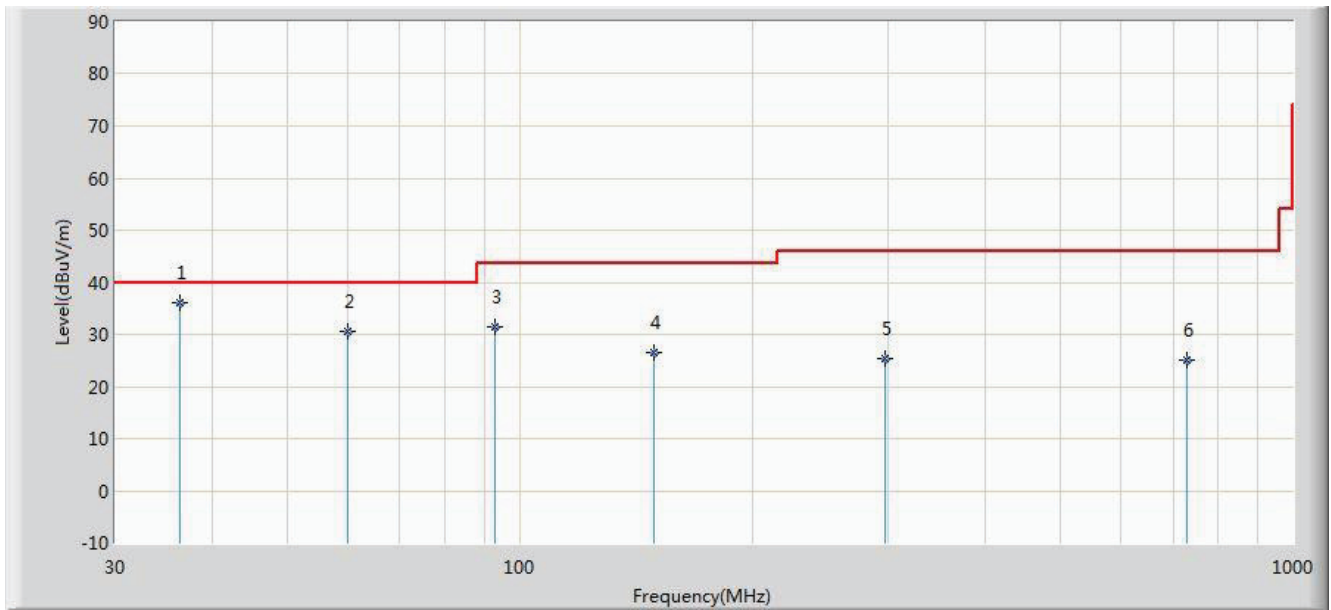**Test Mode: There is the worst case within frequency range 30MHz~1GHz.**

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33.395	34.271	20.400	-5.729	40.000	13.871	QP
2		*	37.260	34.664	20.400	-5.336	40.000	14.265	QP
3			101.295	23.865	12.666	-19.635	43.500	11.198	QP
4			189.080	27.149	15.302	-16.351	43.500	11.847	QP
5			343.795	25.557	10.114	-20.443	46.000	15.443	QP
6			770.595	27.147	4.084	-18.853	46.000	23.063	QP

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

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

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

Site: AC1	Time: 2018/08/25 - 08:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V

Test Mode: There is the worst case within frequency range 30MHz~1GHz.

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	36.367	36.021	21.887	-3.979	40.000	14.135	QP
2			60.070	30.625	17.210	-9.375	40.000	13.415	QP
3			93.050	31.310	20.766	-12.190	43.500	10.543	QP
4			149.310	26.612	11.391	-16.888	43.500	15.221	QP
5			296.750	25.431	11.112	-20.569	46.000	14.319	QP
6			729.370	25.007	2.492	-20.993	46.000	22.515	QP

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

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

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

6.9. Radiated Restricted Band Edge Measurement

6.9.1.Test Limit

For 15.205 requirement:

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

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 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.

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

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

For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	149.9 -150.5	9.0 - 9.2
0.495 -0.505	156.52475 - 156.525225	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	--
8.37625 - 8.38675	1718.8 -1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 -2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 -13.41	3260 - 3267	
16.42 - 16.423	3332 -3339	
16.69475 - 16.69525	334.5 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138	--	

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9			
Frequency [MHz]	Magnetic field strength (H-Field) [uA/m]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	6.37/F(F in kHz)	N/A	300
0.490 - 1.705	63.7/F(F in kHz)	N/A	30
1.705 - 30	0.08	N/A	30
30 - 88	N/A	100	3
88 - 216	N/A	150	3
216 - 960	N/A	200	3
Above 960	N/A	500	3

6.9.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

6.9.3.Test Setting

Peak Measurements above 1GHz

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

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

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

2. RBW = 1MHz

3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

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.
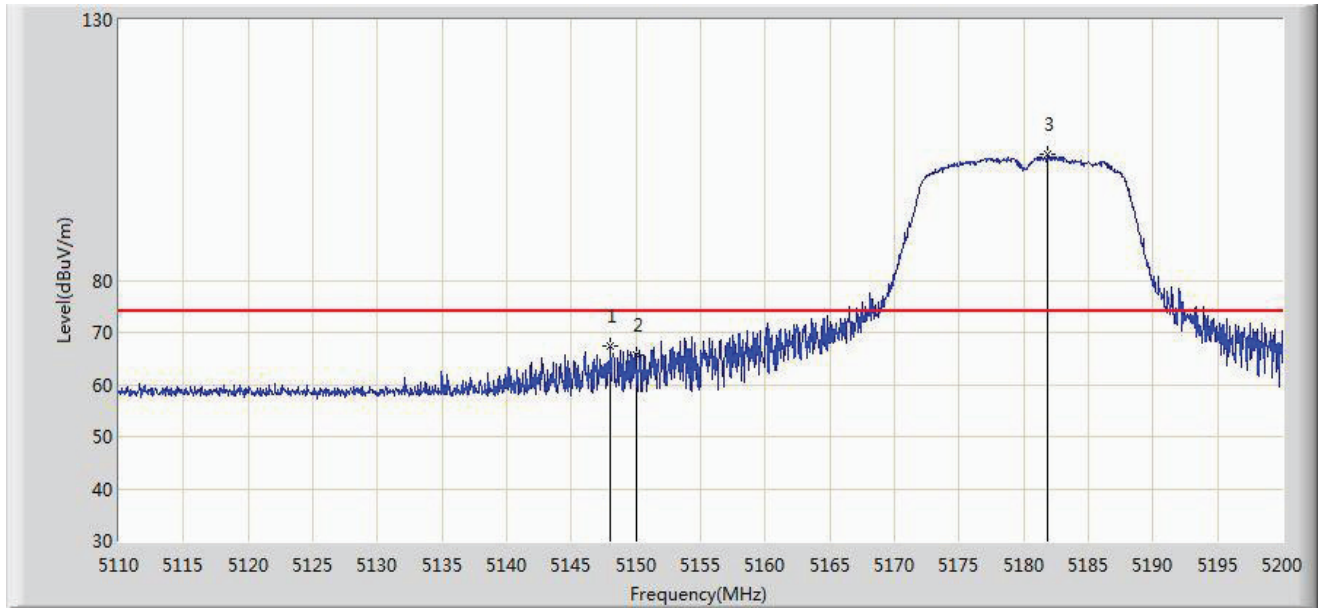
Simultaneously transmitting of 2.4GHz band and 5GHz band has been considered.

6.9.4.Test Setup
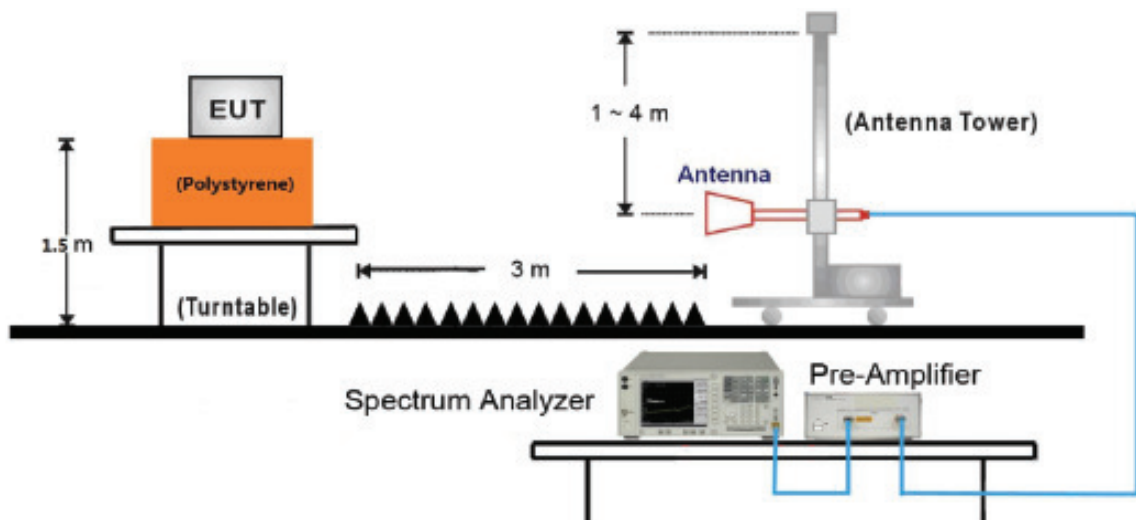
6.9.5.Test Result

| Site: AC1	Time: 2018/08/23 - 10:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5180MHz	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.025	67.275	60.716	-6.725	74.000	6.559	PK
2			5150.000	65.557	58.995	-8.443	74.000	6.562	PK
3		*	5181.865	104.211	97.782	N/A	N/A	6.429	PK

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

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

| Site: AC1	Time: 2018/08/23 - 11:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5180MHz	
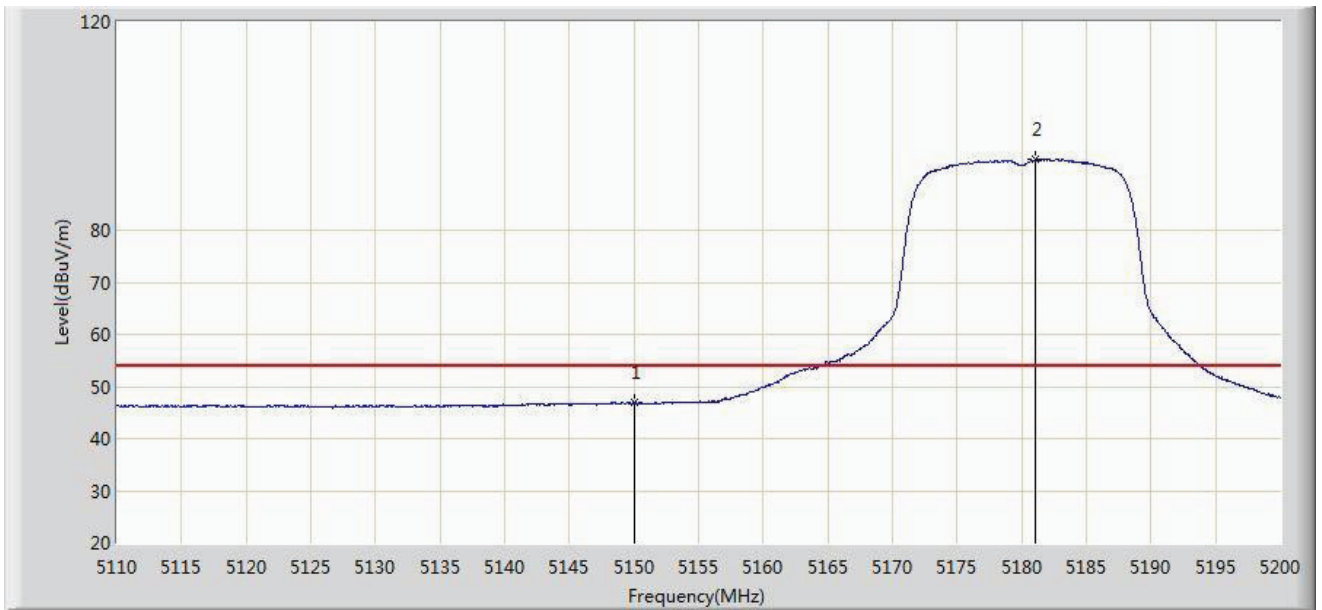
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.870	40.308	-7.130	54.000	6.562	AV
2		*	5181.100	93.497	87.062	N/A	N/A	6.435	AV

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

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

| Site: AC1	Time: 2018/08/23 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5180MHz	
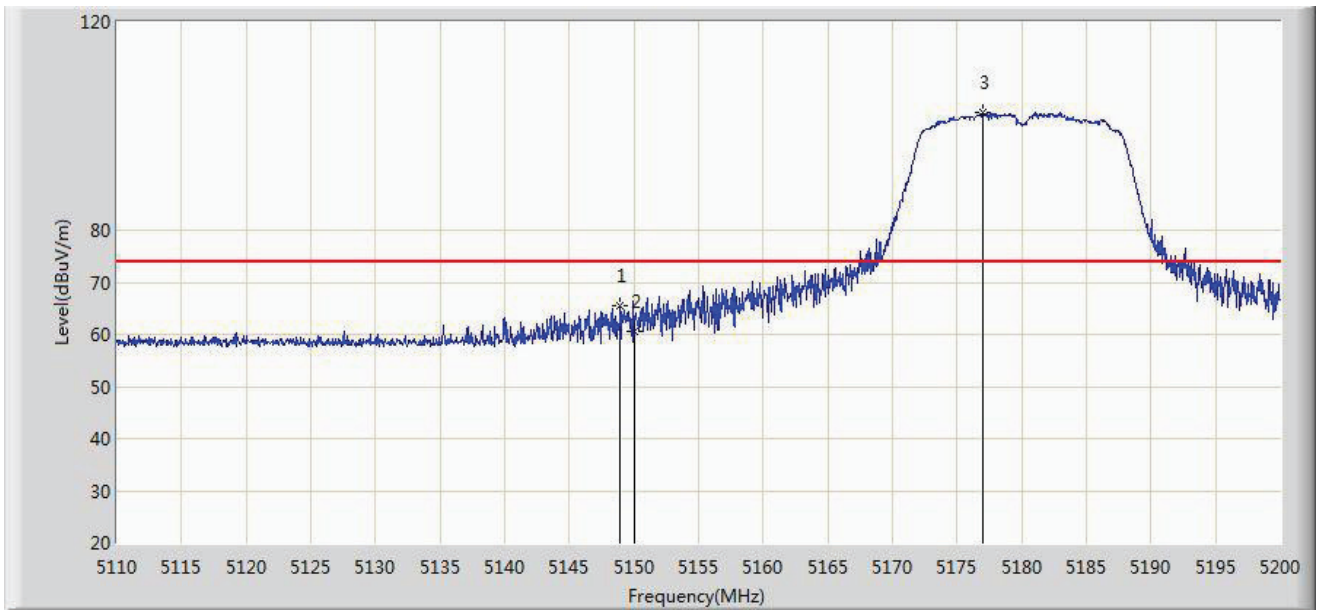
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.925	65.526	58.966	-8.474	74.000	6.560	PK
2			5150.000	60.533	53.971	-13.467	74.000	6.562	PK
3		*	5176.960	102.522	96.054	N/A	N/A	6.468	PK

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

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

| Site: AC1	Time: 2018/08/23 - 11:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5180MHz	
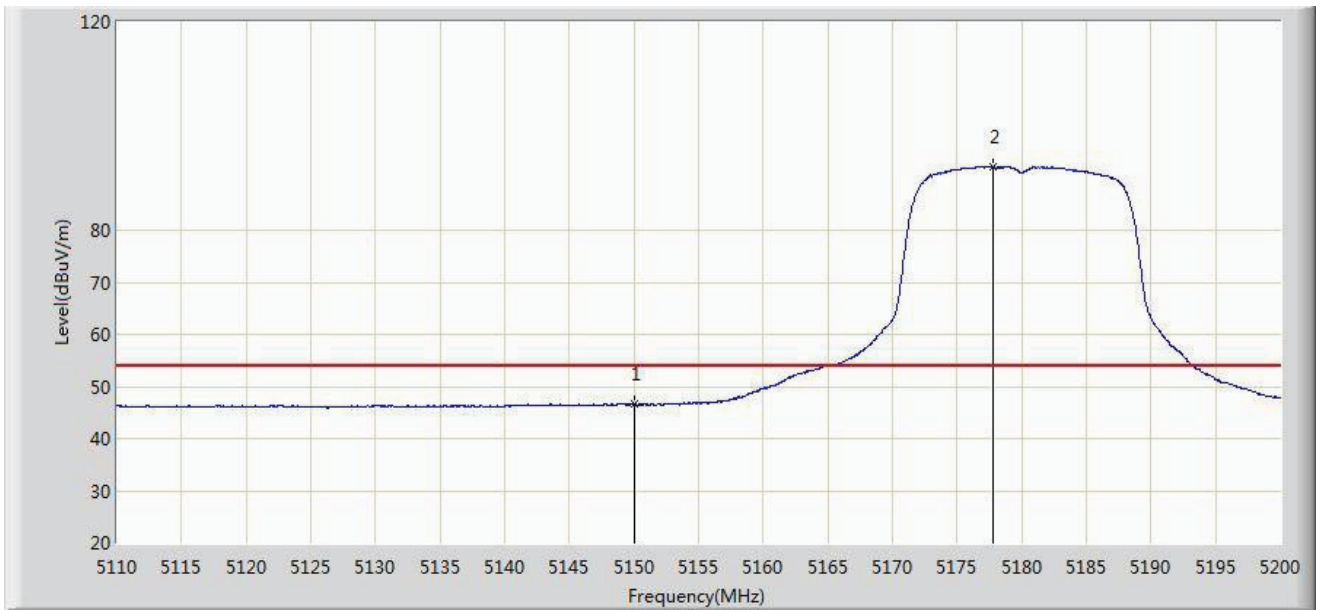
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.603	40.041	-7.397	54.000	6.562	AV
2		*	5177.770	92.240	85.778	N/A	N/A	6.462	AV

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

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

| Site: AC1	Time: 2018/08/23 - 11:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5320MHz	
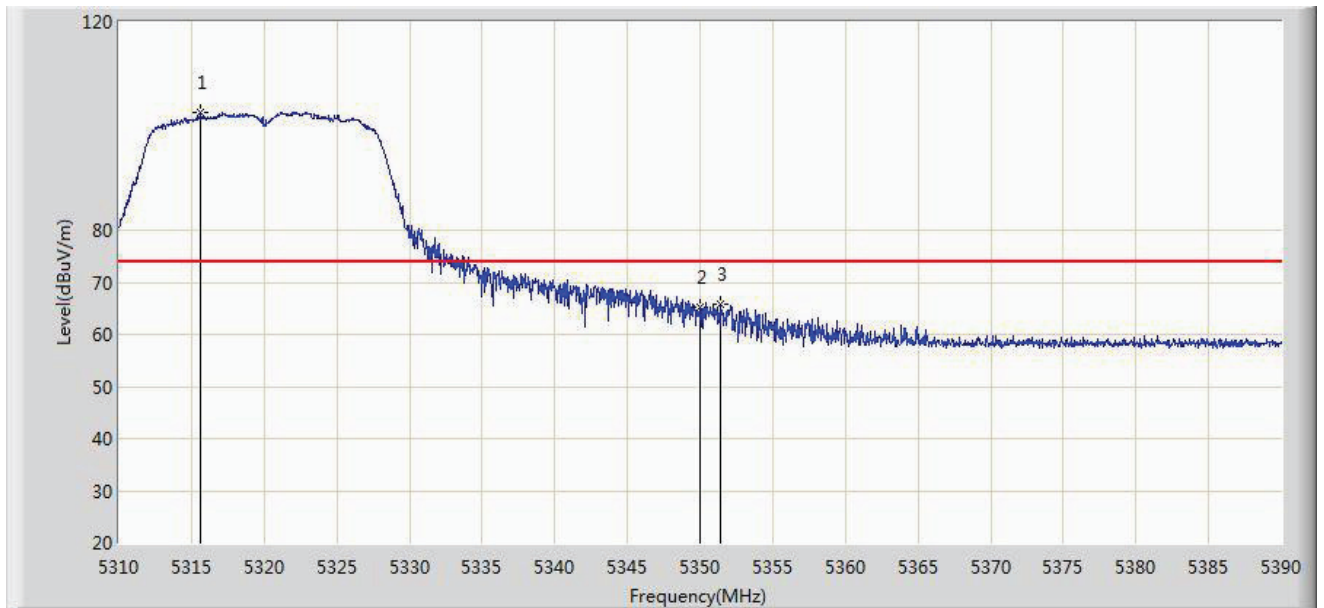
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.640	102.530	96.252	N/A	N/A	6.278	PK
2			5350.000	65.190	58.730	-8.810	74.000	6.460	PK
3			5351.440	65.856	59.388	-8.144	74.000	6.468	PK

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

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

Site: AC1	Time: 2018/08/23 - 11:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Cloud Guo
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: W-LAN + Bluetooth Module	Power: DC 3.3V
Note: Transmit by 802.11a at channel 5320MHz	
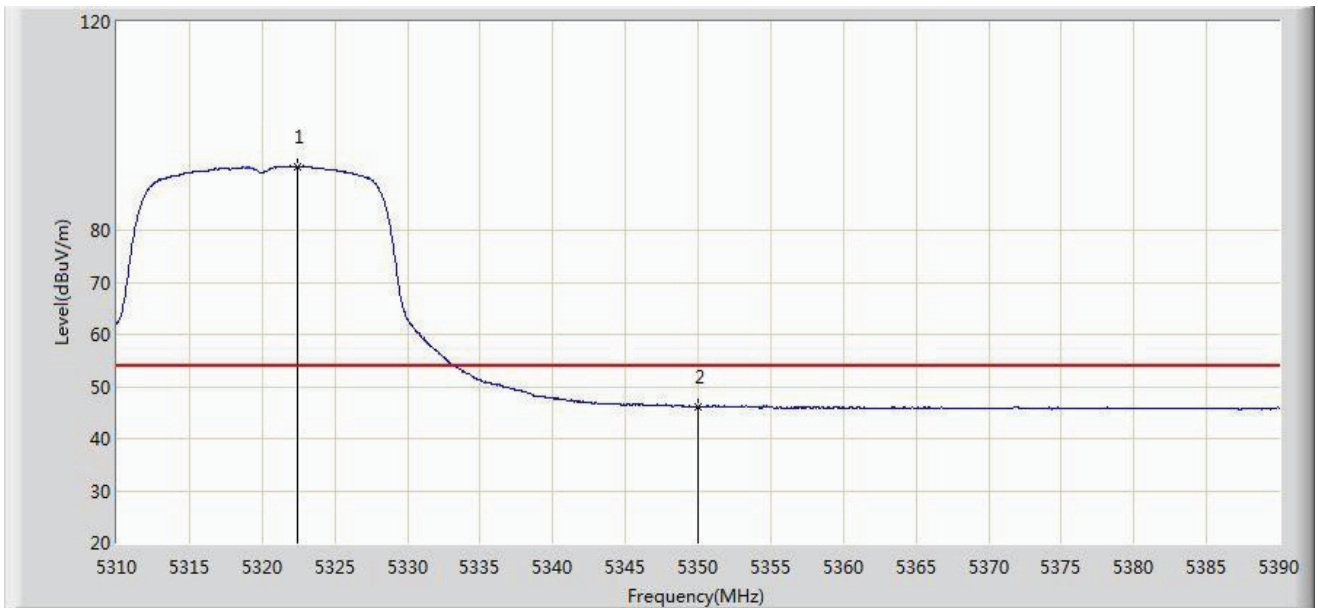
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.400	92.282	85.975	N/A	N/A	6.307	AV
2			5350.000	46.106	39.646	-7.894	54.000	6.460	AV

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

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