

802.11ac-VHT80 PSD - Ant 2 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 138 (5690MHz)

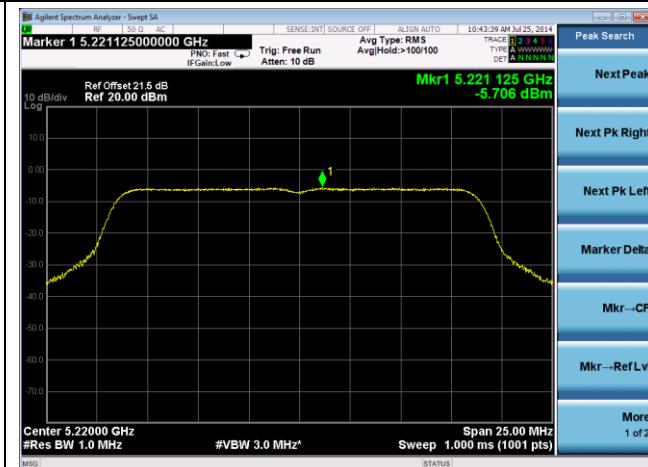


802.11n-HT20 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 36 (5180MHz)



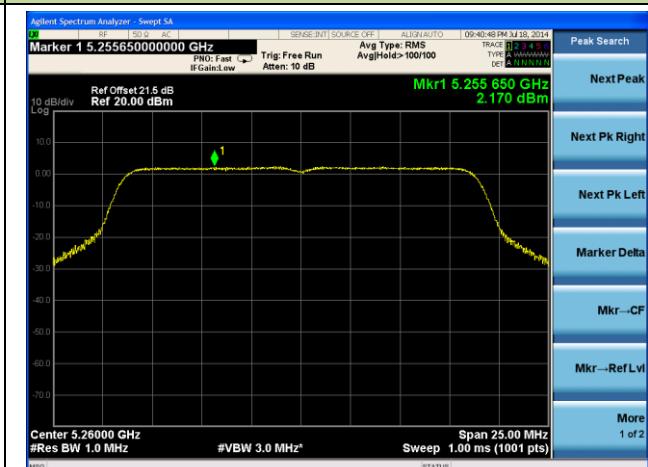
Channel 44 (5220MHz)



Channel 48 (5240MHz)



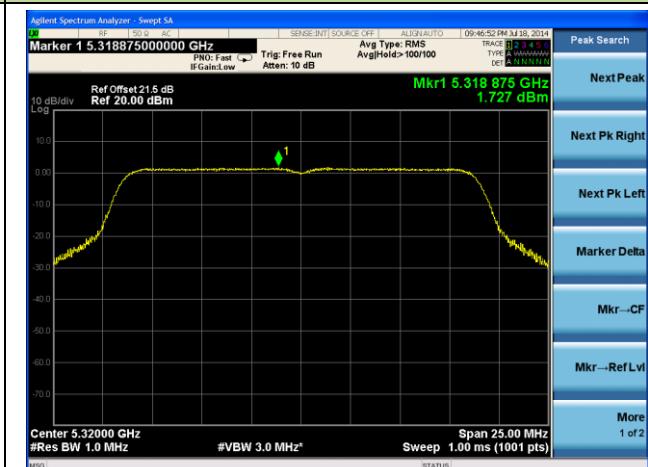
Channel 52 (5260MHz)

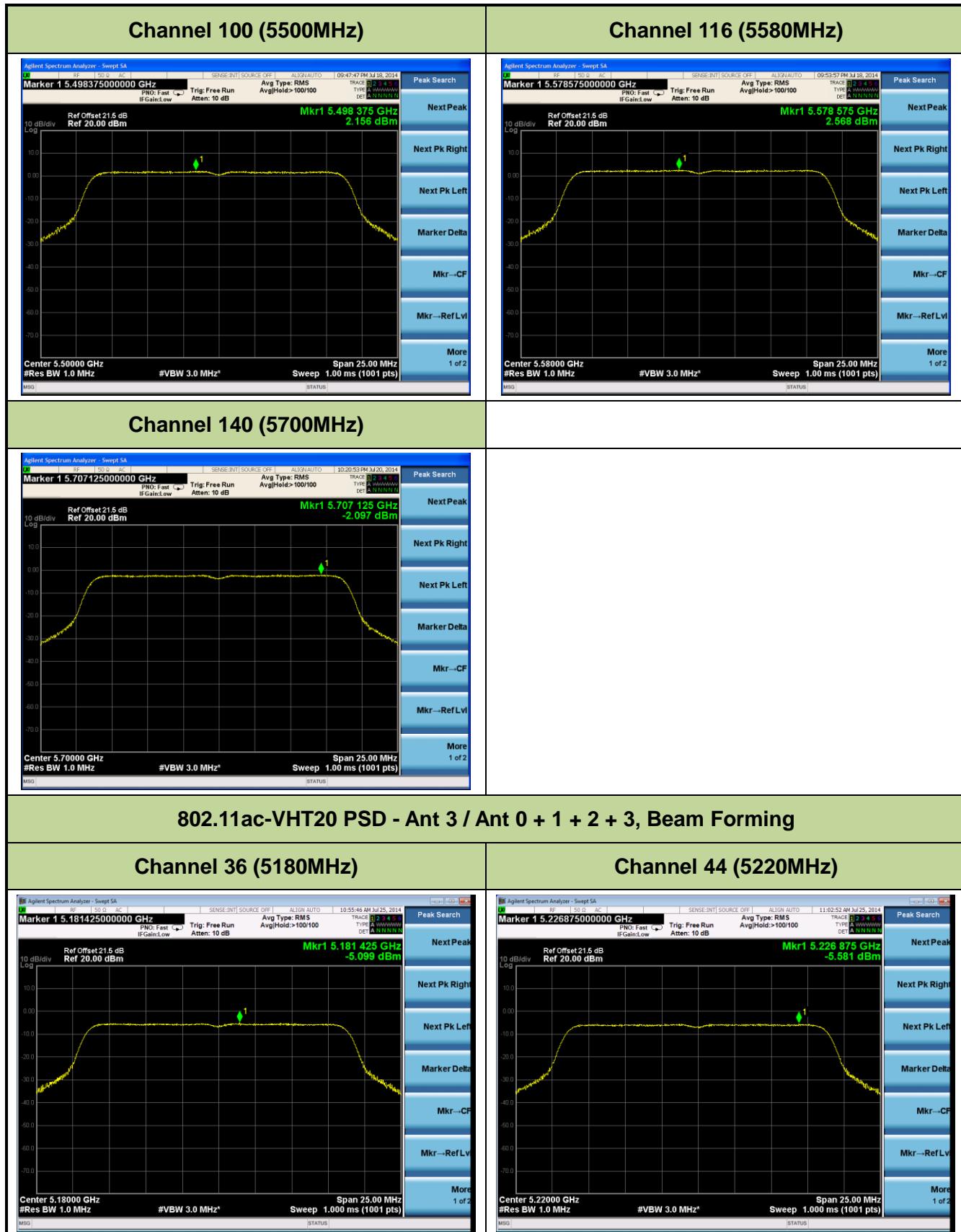


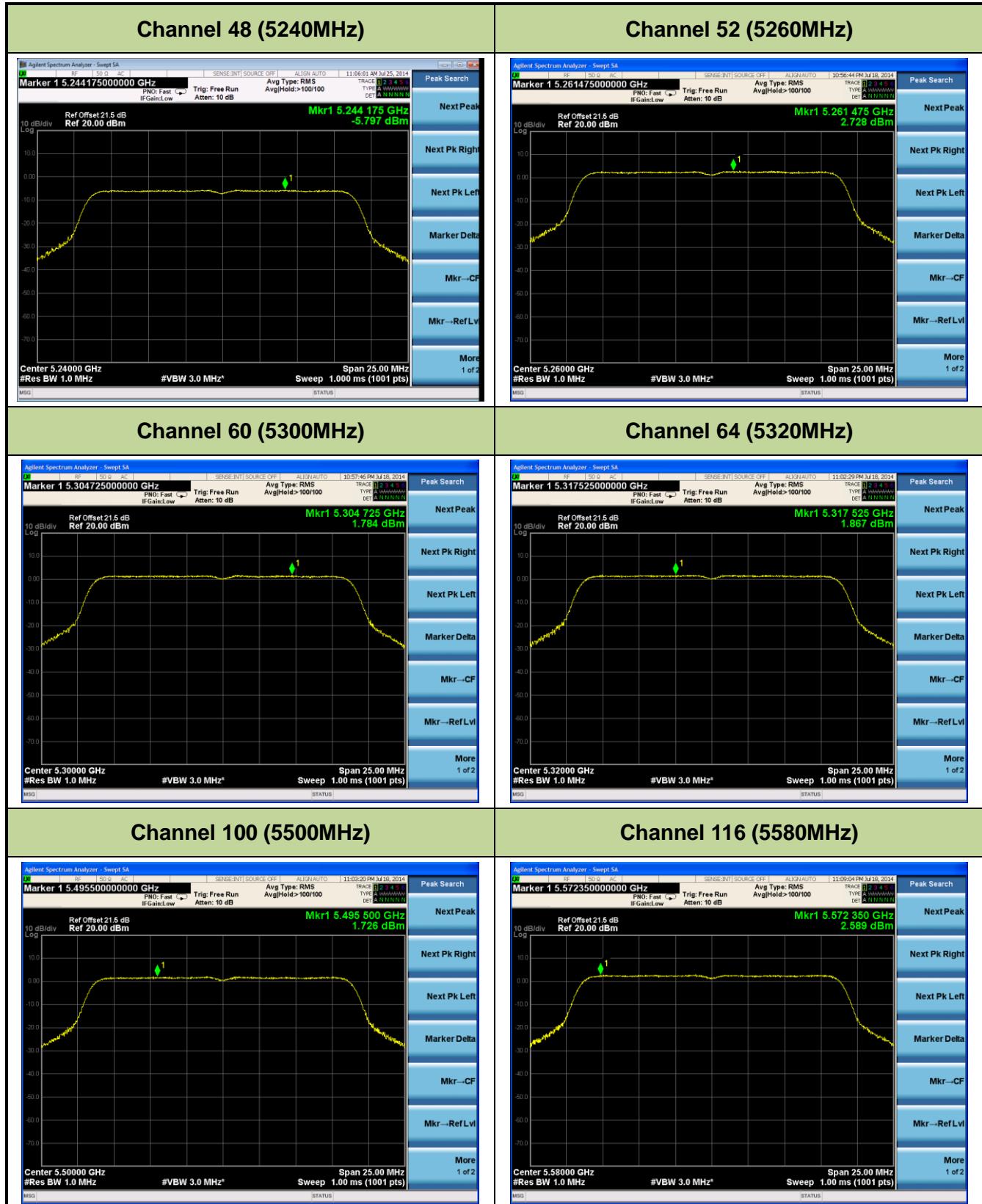
Channel 60 (5300MHz)

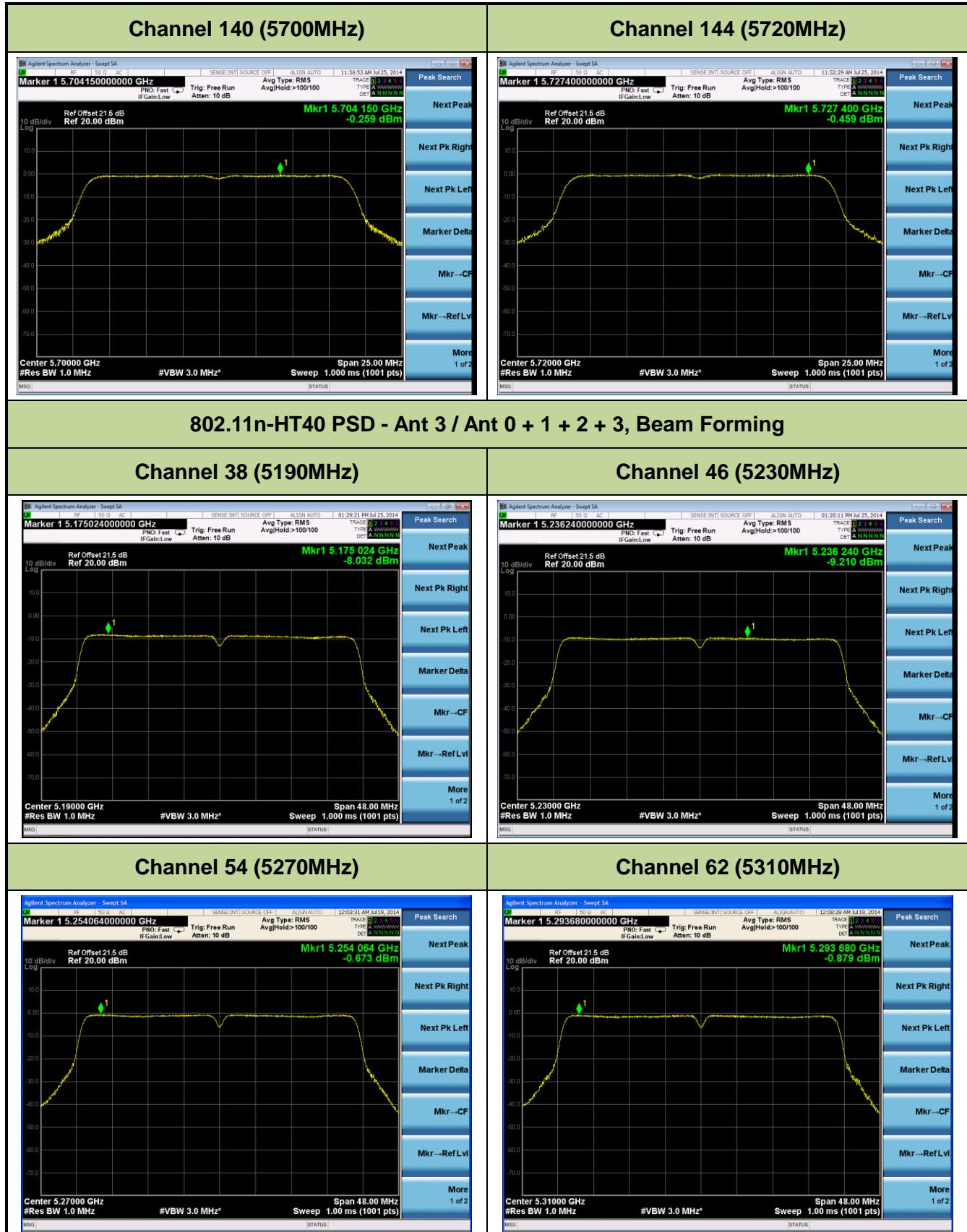


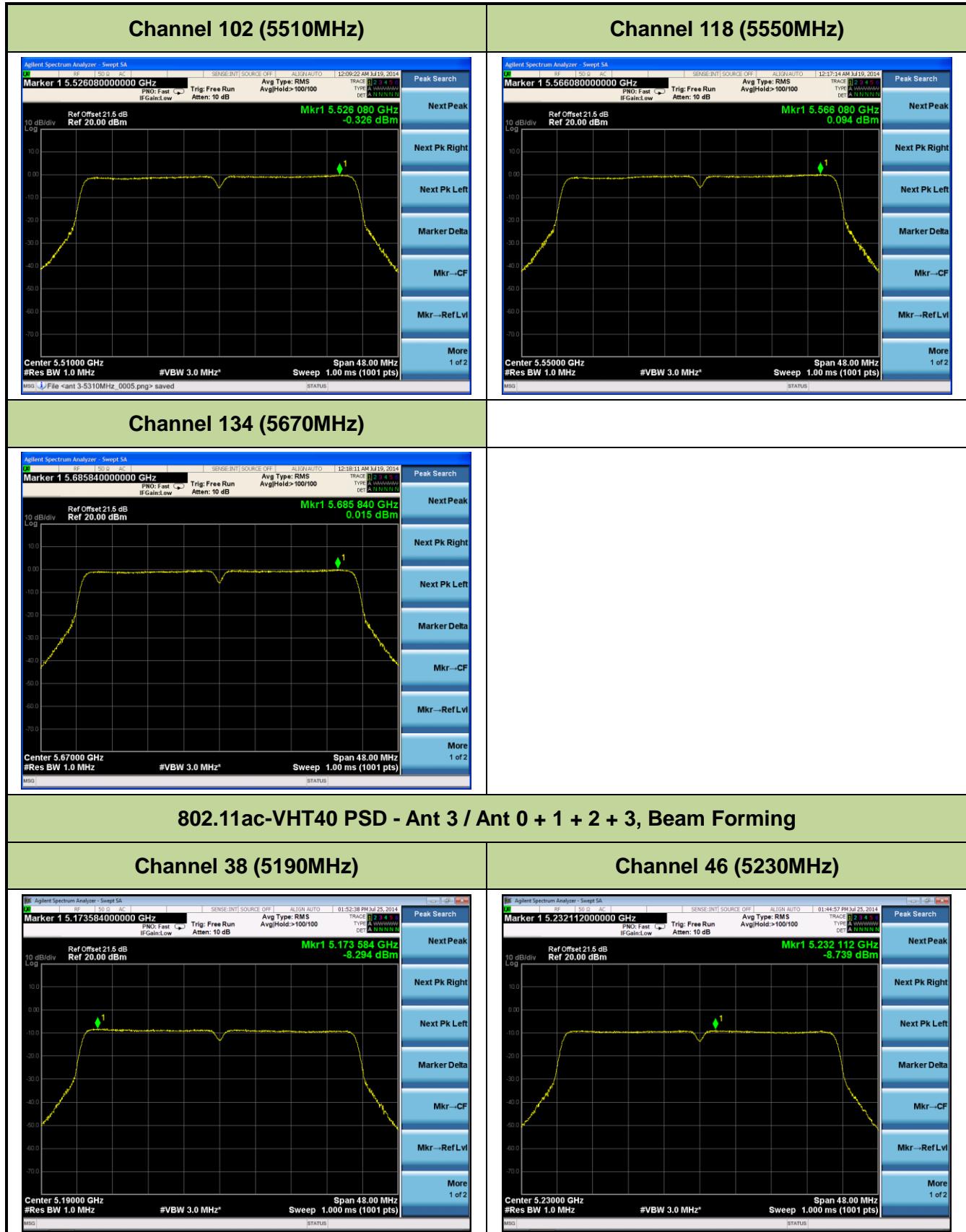
Channel 64 (5320MHz)

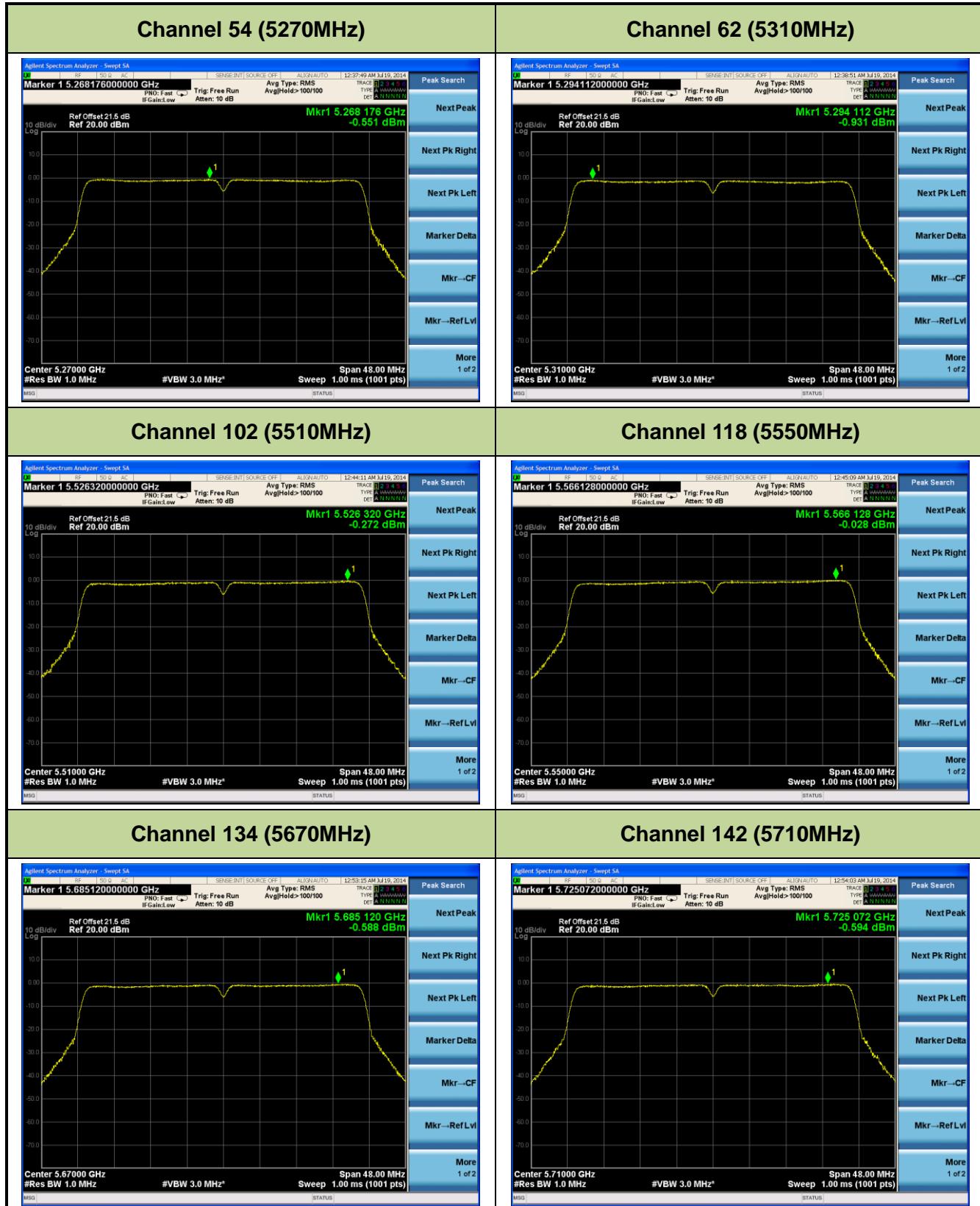












802.11ac-VHT80 PSD - Ant 3 / Ant 0 + 1 + 2 + 3, Beam Forming

Channel 42 (5210MHz)



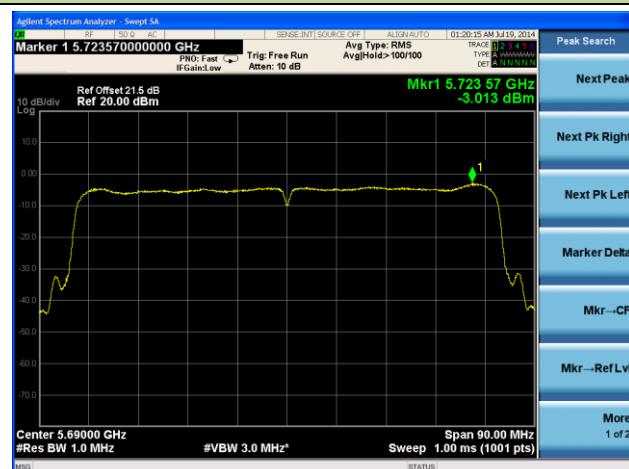
Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 138 (5690MHz)



7.6. Peak Excursion Ratio Measurement §15.407(a)(6)

7.6.1. Test Limit

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

7.6.2. Test Procedure Used

KDB 789033 D01v01r04 – Section G

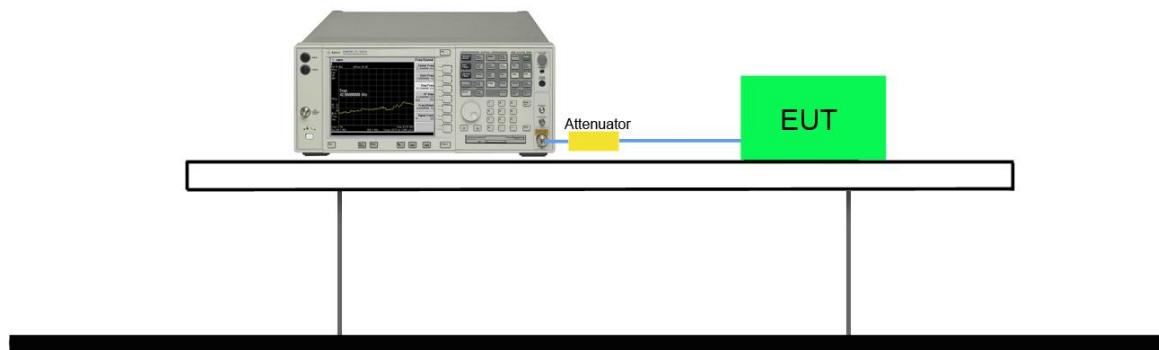
7.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Detector = Peak
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

This level was compared to the peak power density level found from the previous section to determine the peak excursion.

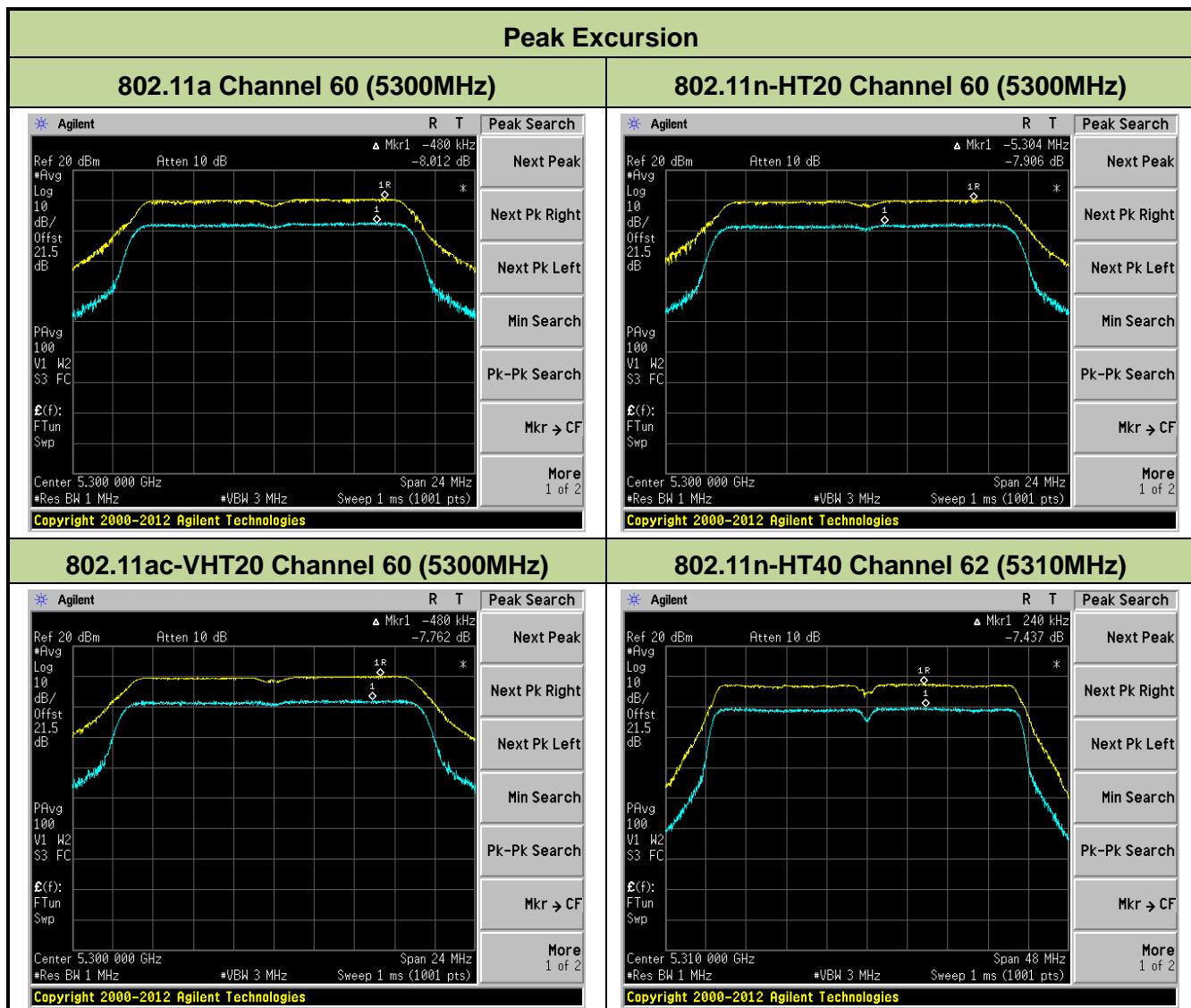
7.6.4. Test Setup

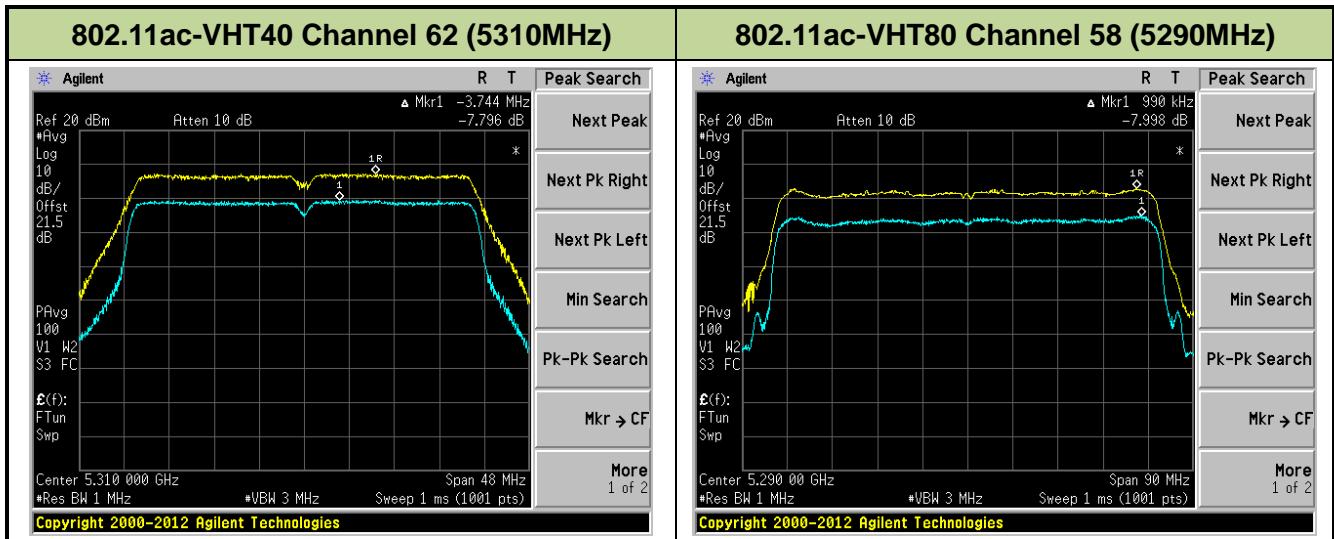
Spectrum Analyzer



7.6.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Peak Excursion Ratio (dB)	Limit (dB)	Result
802.11a	6	60	5300	8.012	13	Pass
802.11n-HT20	6.5	60	5300	7.906	13	Pass
802.11ac-VHT20	6.5	60	5300	7.762	13	Pass
802.11n-HT40	13.5	62	5310	7.437	13	Pass
802.11ac-VHT40	13.5	62	5310	7.796	13	Pass
802.11ac-VHT80	29.3	58	5290	7.998	13	Pass





7.7. Frequency Stability Measurement §15.407(g); RSS-210[7.2.6]

7.7.1. Test Limit

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

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

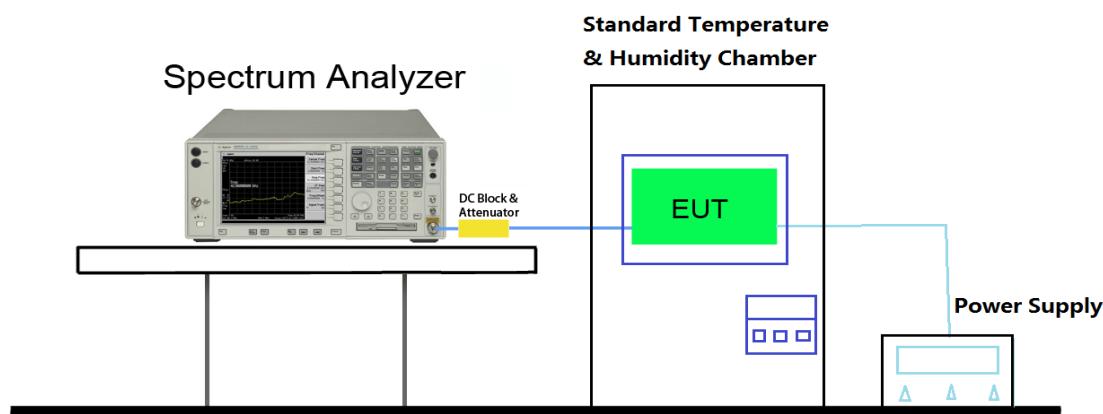
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

Frequency Stability Under Voltage Variations:

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

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

7.7.3. Test Setup



7.7.4. Test Result

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5300045680.830	31737.101	0.0000599
			5309993196.369	-14647.360	-0.0000276
			5290057031.295	49187.566	0.0000930
		- 10	5299988064.171	-19779.558	-0.0000373
			5310024078.459	16234.730	0.0000306
			5290036412.405	28568.676	0.0000540
		0	5300005894.852	-1948.877	-0.0000037
			5310011035.259	3191.530	0.0000060
			5289994949.504	-12894.225	-0.0000244
		+ 10	5300022672.911	14829.182	0.0000280
			5310021564.875	13721.146	0.0000258
			5289972680.301	-35163.428	-0.0000665
		+ 20	5299975680.830	-32162.899	-0.0000607
			5310043201.516	35357.787	0.0000666
			5290036124.414	28280.685	0.0000535
		+ 30	5299974722.997	-33120.732	-0.0000625
			5310025042.148	17198.419	0.0000324
			5290025162.997	17319.268	0.0000327
		+ 40	5300041958.941	34115.212	0.0000644
			5309986434.586	-21409.143	-0.0000403
			5290021321.405	13477.676	0.0000255
115%	138	+ 20	5300002767.985	-5075.744	-0.0000096
			5309998402.617	-9441.112	-0.0000178
			5290035561.274	27717.545	0.0000524
85%	102	+ 20	5300048625.193	40781.464	0.0000769
			5309996532.974	-11310.755	-0.0000213
			5289995128.334	-12715.395	-0.0000240

7.8. Radiated Spurious Emission Measurement §15.407(b)(1)(2)(3); RSS-210[A9.2]

7.8.1. 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.

All out of band emissions appearing in a restricted band as specified in Section 7.2.2 of the RSS-Gen Issue 3 must not exceed the limits shown in Table per Section 7.2.5.

FCC Part 15 Subpart C Paragraph 15.209 & RSS-Gen Issue3 Section 7.2.5		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2. Test Procedure Used

KDB 789033 D01v01r04 – Section H

7.8.3. 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

Quasi-Peak Measurements below 1GHz

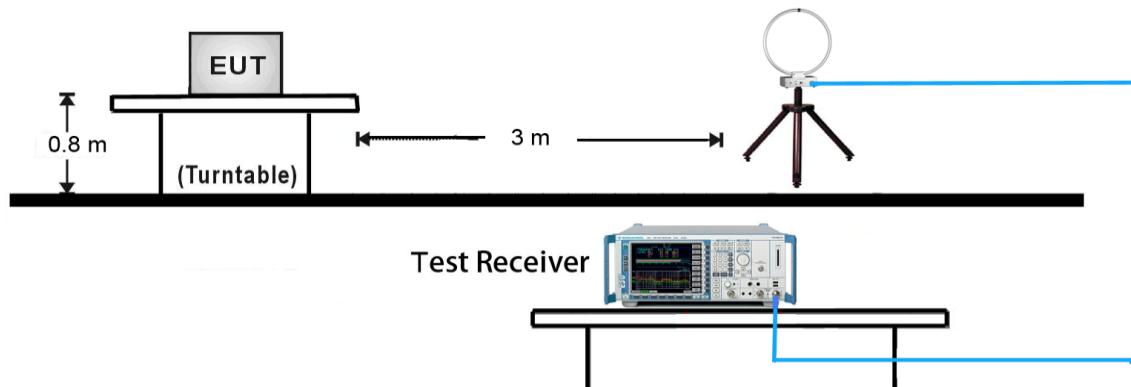
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

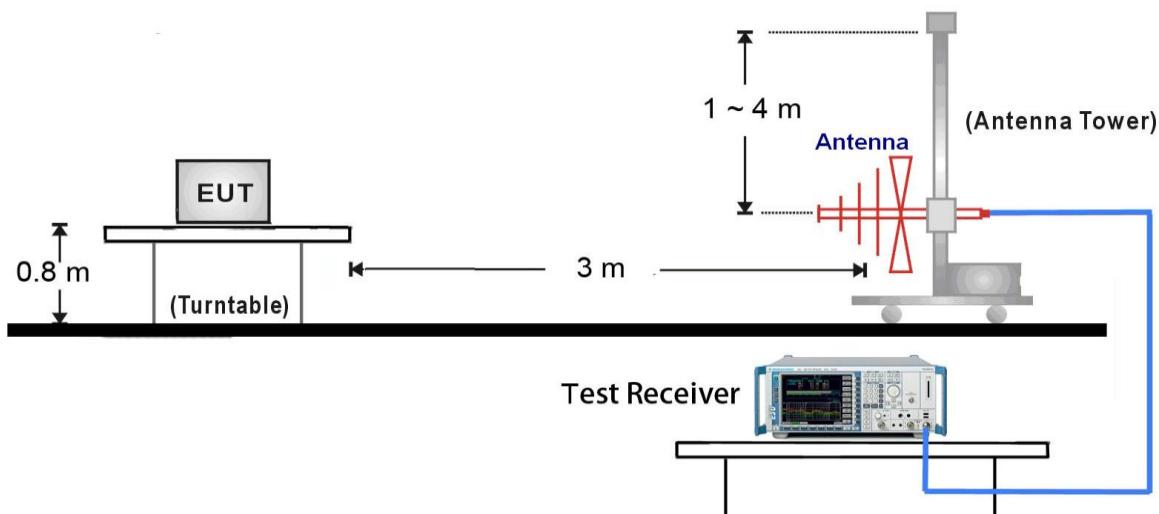
1. RBW = 1 MHz.
2. Video bandwidth.
 - If the EUT is configured to transmit with duty cycle \geq 98 percent, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.
 - If the EUT duty cycle is < 98 percent, set $VBW \geq 1/T$
3. Video bandwidth mode
4. Detector = Peak.
5. Sweep time = auto.
6. 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 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle. For example, use at least 200 traces if the duty cycle is 25 percent. (If a specific emission is demonstrated to be continuous—i.e., 100 percent duty cycle—rather than turning on and off with the transmit cycle, at least 50 traces shall be averaged.)

7.8.4. Test Setup

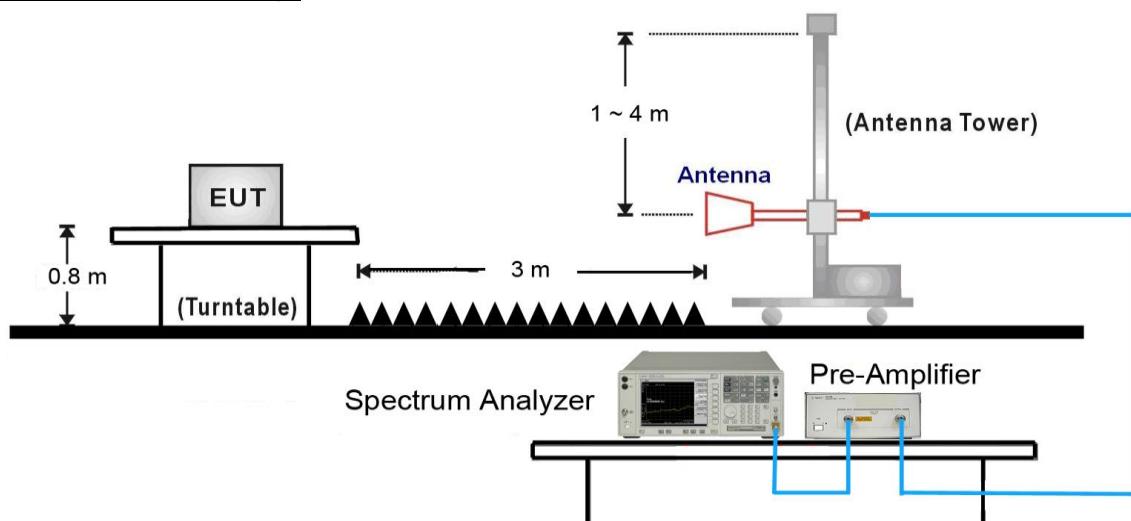
9kHz ~ 30MHz Test Setup:

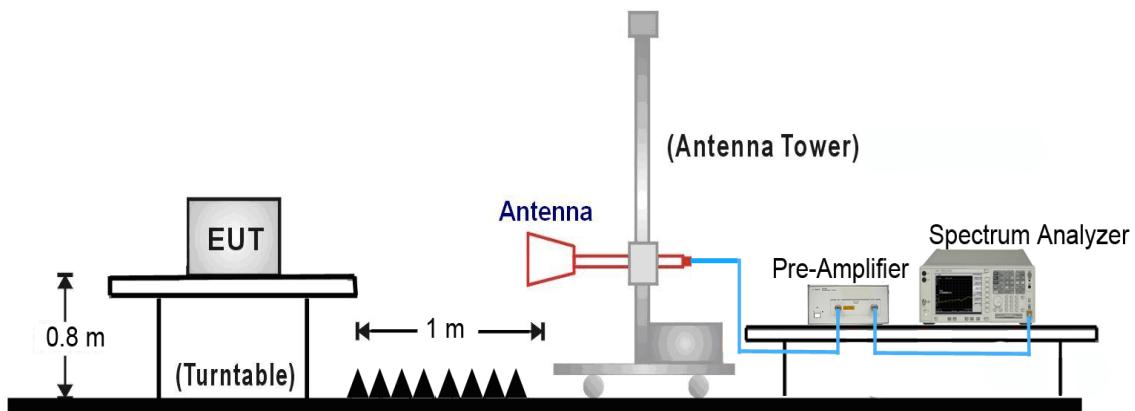


30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:

7.8.5. Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7008.0	37.7	12.8	50.5	68.2	-17.7	Peak	Horizontal
*	7869.0	35.9	15.0	50.9	68.2	-17.3	Peak	Horizontal
	9137.0	35.9	15.1	51.0	74.0	-23.0	Peak	Horizontal
	10698.5	33.4	17.7	51.1	74.0	-22.9	Peak	Horizontal
*	7132.5	37.0	13.5	50.5	68.2	-17.7	Peak	Vertical
*	7963.5	36.2	15.0	51.2	68.2	-17.0	Peak	Vertical
	9467.5	37.7	15.4	53.1	74.0	-20.9	Peak	Vertical
	10673.0	33.8	17.7	51.5	74.0	-22.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	6192.0	37.5	9.1	46.6	68.2	-21.6	Peak	Horizontal
*	7911.5	36.1	15.0	51.1	68.2	-17.1	Peak	Horizontal
	9137.5	34.5	15.1	49.6	74.0	-24.4	Peak	Horizontal
	10656.0	33.3	17.9	51.2	74.0	-22.8	Peak	Horizontal
*	7111.5	37.7	13.4	51.1	68.2	-17.1	Peak	Vertical
*	7794.5	35.4	15.0	50.4	68.2	-17.8	Peak	Vertical
	9364.5	37.1	15.3	52.4	74.0	-21.6	Peak	Vertical
	10639.0	34.2	18.0	52.2	74.0	-21.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7111.5	37.6	13.4	51.0	68.2	-17.2	Peak	Horizontal
*	7816.5	34.8	15.0	49.8	68.2	-18.4	Peak	Horizontal
	9169.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	10690.0	33.6	17.6	51.2	74.0	-22.8	Peak	Horizontal
*	7231.0	36.1	13.8	49.9	68.2	-18.3	Peak	Vertical
*	7769.5	35.1	14.9	50.0	68.2	-18.2	Peak	Vertical
	9466.5	37.8	15.4	53.2	74.0	-20.8	Peak	Vertical
	10681.5	33.4	17.6	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7046.5	36.5	13.1	49.6	68.2	-18.6	Peak	Horizontal
*	7832.5	36.5	15.1	51.6	68.2	-16.6	Peak	Horizontal
	9066.5	34.5	14.5	49.0	74.0	-25.0	Peak	Horizontal
	10809.0	34.2	18.2	52.4	74.0	-21.6	Peak	Horizontal
*	7016.5	37.5	12.9	50.4	68.2	-17.8	Peak	Vertical
*	7963.5	36.6	15.0	51.6	68.2	-16.6	Peak	Vertical
	9167.5	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	10698.5	33.3	17.7	51.0	74.0	-23.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7113.5	37.0	13.4	50.4	68.2	-17.8	Peak	Horizontal
*	7864.5	35.6	15.0	50.6	68.2	-17.6	Peak	Horizontal
	9167.4	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	10613.5	34.1	17.8	51.9	74.0	-22.1	Peak	Horizontal
*	7110.5	36.7	13.4	50.1	68.2	-18.1	Peak	Vertical
*	7813.5	35.2	15.0	50.2	68.2	-18.0	Peak	Vertical
	9168.5	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	10622.0	33.7	17.9	51.6	74.0	-22.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7211.5	36.2	13.7	49.9	68.2	-18.3	Peak	Horizontal
*	7813.5	35.3	15.0	50.3	68.2	-17.9	Peak	Horizontal
	9113.5	34.4	14.7	49.1	74.0	-24.9	Peak	Horizontal
	10656.0	33.5	17.9	51.4	74.0	-22.6	Peak	Horizontal
*	7203.5	35.8	13.6	49.4	68.2	-18.8	Peak	Vertical
*	7901.5	35.1	15.0	50.1	68.2	-18.1	Peak	Vertical
	9364.4	36.4	15.3	51.7	74.0	-22.3	Peak	Vertical
	10690.0	33.2	17.6	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7204.5	35.9	13.6	49.5	68.2	-18.7	Peak	Horizontal
*	7806.5	35.1	15.0	50.1	68.2	-18.1	Peak	Horizontal
	9106.5	34.2	14.7	48.9	74.0	-25.1	Peak	Horizontal
	10622.0	33.7	17.9	51.6	74.0	-22.4	Peak	Horizontal
*	7211.5	36.2	13.7	49.9	68.2	-18.3	Peak	Vertical
*	7861.5	35.2	15.1	50.3	68.2	-17.9	Peak	Vertical
	9168.5	35.5	15.3	50.8	74.0	-23.2	Peak	Vertical
	10707.0	33.8	17.7	51.5	74.0	-22.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	116	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7022.5	35.4	12.9	48.3	68.2	-19.9	Peak	Horizontal
*	7753.7	34.1	14.8	48.9	68.2	-19.3	Peak	Horizontal
	9153.6	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	10625.5	35.9	17.9	53.8	74.0	-20.2	Peak	Horizontal
*	7026.7	35.0	12.9	47.9	68.2	-20.3	Peak	Vertical
*	7759.6	33.2	14.8	48.0	68.2	-20.2	Peak	Vertical
	9173.5	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	12503.5	33.9	19.7	53.6	74.0	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7149.7	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
*	7762.4	33.2	14.8	48.0	68.2	-20.2	Peak	Horizontal
	9153.6	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	11812.0	33.2	19.3	52.5	74.0	-21.5	Peak	Horizontal
*	7149.8	34.3	13.5	47.8	68.2	-20.4	Peak	Vertical
*	7754.8	33.5	14.8	48.3	68.2	-19.9	Peak	Vertical
	9173.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	12430.5	34.2	19.4	53.6	74.0	-20.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7215.7	34.2	13.7	47.9	68.2	-20.3	Peak	Horizontal
*	8513.5	34.2	14.6	48.8	68.2	-19.4	Peak	Horizontal
	9362.5	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	12536.4	33.8	19.9	53.7	74.0	-20.3	Peak	Horizontal
*	7025.6	36.0	12.9	48.9	68.2	-19.3	Peak	Vertical
*	7753.7	34.1	14.8	48.9	68.2	-19.3	Peak	Vertical
	9342.7	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical
	12571.1	33.8	20.0	53.8	74.0	-20.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7145.8	34.2	13.5	47.7	68.2	-20.5	Peak	Horizontal
*	8543.6	34.0	14.5	48.5	68.2	-19.7	Peak	Horizontal
	9471.8	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
	12431.6	34.2	19.4	53.6	74.0	-20.4	Peak	Horizontal
*	7184.3	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
*	7762.4	33.4	14.8	48.2	68.2	-20.0	Peak	Vertical
	9326.5	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical
	12662.0	33.3	19.9	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7045.5	36.2	13.1	49.3	68.2	-18.9	Peak	Horizontal
*	7625.5	35.1	14.6	49.7	68.2	-18.5	Peak	Horizontal
	9152.7	36.0	15.3	51.3	74.0	-22.7	Peak	Horizontal
	11803.5	33.7	19.3	53.0	74.0	-21.0	Peak	Horizontal
*	7152.6	34.1	13.6	47.7	68.2	-20.5	Peak	Vertical
*	7915.2	34.2	15.0	49.2	68.2	-19.0	Peak	Vertical
	9173.5	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	11319.0	32.9	19.1	52.0	74.0	-22.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7146.7	34.7	13.5	48.2	68.2	-20.0	Peak	Horizontal
*	8512.5	34.9	14.6	49.5	68.2	-18.7	Peak	Horizontal
	9173.7	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	11276.5	34.1	18.8	52.9	74.0	-21.1	Peak	Horizontal
*	7025.6	36.0	12.9	48.9	68.2	-19.3	Peak	Vertical
*	7753.7	33.5	14.8	48.3	68.2	-19.9	Peak	Vertical
	9183.8	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	11276.5	33.7	18.8	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7024.7	35.2	12.9	48.1	68.2	-20.1	Peak	Horizontal
*	8512.7	35.2	14.6	49.8	68.2	-18.4	Peak	Horizontal
	9153.7	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
	11820.5	33.3	19.3	52.6	74.0	-21.4	Peak	Horizontal
*	7025.7	35.4	12.9	48.3	68.2	-19.9	Peak	Vertical
*	7759.7	33.8	14.8	48.6	68.2	-19.6	Peak	Vertical
	9153.7	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical
	12067.0	33.6	19.2	52.8	74.0	-21.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7015.5	35.5	12.8	48.3	68.2	-19.9	Peak	Horizontal
*	8513.5	34.8	14.6	49.4	68.2	-18.8	Peak	Horizontal
	9125.5	34.7	14.9	49.6	74.0	-24.4	Peak	Horizontal
	11803.5	33.4	19.3	52.7	74.0	-21.3	Peak	Horizontal
*	7023.6	35.6	12.9	48.5	68.2	-19.7	Peak	Vertical
*	8513.7	35.8	14.6	50.4	68.2	-17.8	Peak	Vertical
	9173.5	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	11803.5	32.6	19.3	51.9	74.0	-22.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7140.6	34.4	13.5	47.9	68.2	-20.3	Peak	Horizontal
*	8514.7	34.2	14.6	48.8	68.2	-19.4	Peak	Horizontal
	9143.8	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
	11854.5	33.0	19.5	52.5	74.0	-21.5	Peak	Horizontal
*	7145.5	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
*	8672.8	34.4	14.8	49.2	68.2	-19.0	Peak	Vertical
	9341.6	35.5	15.4	50.9	74.0	-23.1	Peak	Vertical
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	116	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7173.4	34.0	13.6	47.6	68.2	-20.6	Peak	Horizontal
*	8749.6	34.9	14.6	49.5	68.2	-18.7	Peak	Horizontal
	9348.7	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
	12424.0	34.2	19.2	53.4	74.0	-20.6	Peak	Horizontal
*	7025.6	35.9	12.9	48.8	68.2	-19.4	Peak	Vertical
*	8671.6	34.4	14.8	49.2	68.2	-19.0	Peak	Vertical
	9472.7	35.9	15.4	51.3	74.0	-22.7	Peak	Vertical
	11803.5	32.8	19.3	52.1	74.0	-21.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7218.5	34.0	13.7	47.7	68.2	-20.5	Peak	Horizontal
*	8647.6	34.6	14.8	49.4	68.2	-18.8	Peak	Horizontal
	9471.1	35.3	15.4	50.7	74.0	-23.3	Peak	Horizontal
	12568.5	33.3	20.0	53.3	74.0	-20.7	Peak	Horizontal
*	7149.9	34.5	13.5	48.0	68.2	-20.2	Peak	Vertical
*	8571.6	34.2	14.5	48.7	68.2	-19.5	Peak	Vertical
	9471.5	35.7	15.4	51.1	74.0	-22.9	Peak	Vertical
	11803.5	32.7	19.3	52.0	74.0	-22.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7045.6	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
*	7752.1	33.5	14.8	48.3	68.2	-19.9	Peak	Horizontal
	9179.5	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	12526.0	33.7	19.8	53.5	74.0	-20.5	Peak	Horizontal
*	7025.7	36.4	12.9	49.3	68.2	-18.9	Peak	Vertical
*	7691.5	34.9	14.5	49.4	68.2	-18.8	Peak	Vertical
	9482.5	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical
	12424.0	33.2	19.2	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7184.7	34.0	13.6	47.6	68.2	-20.6	Peak	Horizontal
*	8015.5	34.5	15.1	49.6	68.2	-18.6	Peak	Horizontal
	9418.3	35.3	15.5	50.8	74.0	-23.2	Peak	Horizontal
	11803.5	32.9	19.3	52.2	74.0	-21.8	Peak	Horizontal
*	7048.7	35.7	13.1	48.8	68.2	-19.4	Peak	Vertical
*	8512.6	34.7	14.6	49.3	68.2	-18.9	Peak	Vertical
	9472.5	35.7	15.4	51.1	74.0	-22.9	Peak	Vertical
	11914.0	33.6	19.6	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7204.9	34.9	13.6	48.5	68.2	-19.7	Peak	Horizontal
*	8543.7	34.0	14.5	48.5	68.2	-19.7	Peak	Horizontal
	9173.5	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	12407.0	34.4	19.0	53.4	74.0	-20.6	Peak	Horizontal
*	7173.7	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
*	8517.6	35.1	14.6	49.7	68.2	-18.5	Peak	Vertical
	9173.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	12475.0	33.8	19.6	53.4	74.0	-20.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7172.5	34.8	13.6	48.4	68.2	-19.8	Peak	Horizontal
*	10520.0	40.1	17.9	58.0	68.2	-10.2	Peak	Horizontal
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
	12466.5	33.6	19.7	53.3	74.0	-20.7	Peak	Horizontal
*	7009.5	40.2	12.8	53.0	68.2	-15.2	Peak	Vertical
*	8472.5	35.6	14.6	50.2	68.2	-18.0	Peak	Vertical
	9418.7	35.6	15.5	51.1	74.0	-22.9	Peak	Vertical
	11854.5	33.5	19.5	53.0	74.0	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7025.5	36.1	12.9	49.0	68.2	-19.2	Peak	Horizontal
*	8672.5	34.3	14.8	49.1	68.2	-19.1	Peak	Horizontal
	9402.7	35.6	15.4	51.0	74.0	-23.0	Peak	Horizontal
	11319.0	34.0	19.1	53.1	74.0	-20.9	Peak	Horizontal
*	7025.7	35.3	12.9	48.2	68.2	-20.0	Peak	Vertical
*	8414.7	34.9	14.5	49.4	68.2	-18.8	Peak	Vertical
	10600.0	38.3	17.8	56.1	74.0	-17.9	Peak	Vertical
	10605.5	27.0	17.8	44.8	54.0	-9.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7025.7	36.2	12.9	49.1	68.2	-19.1	Peak	Horizontal
*	8502.7	35.6	14.7	50.3	68.2	-17.9	Peak	Horizontal
	9415.7	37.1	15.5	52.6	74.0	-21.4	Peak	Horizontal
	10698.5	35.2	17.7	52.9	74.0	-21.1	Peak	Horizontal
*	7149.8	34.3	13.5	47.8	68.2	-20.4	Peak	Vertical
*	8472.0	34.5	14.6	49.1	68.2	-19.1	Peak	Vertical
	9402.5	35.6	15.4	51.0	74.0	-23.0	Peak	Vertical
	10690.0	34.1	17.6	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7024.6	35.5	12.9	48.4	68.2	-19.8	Peak	Horizontal
*	8472.2	34.7	14.6	49.3	68.2	-18.9	Peak	Horizontal
	9408.5	36.0	15.5	51.5	74.0	-22.5	Peak	Horizontal
	11319.0	33.5	19.1	52.6	74.0	-21.4	Peak	Horizontal
*	7142.6	34.4	13.5	47.9	68.2	-20.3	Peak	Vertical
*	8514.7	34.8	14.6	49.4	68.2	-18.8	Peak	Vertical
	9410.9	35.0	15.5	50.5	74.0	-23.5	Peak	Vertical
	10690.0	33.8	17.6	51.4	74.0	-22.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	116	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7204.8	35.3	13.6	48.9	68.2	-19.3	Peak	Horizontal
*	8518.0	34.5	14.6	49.1	68.2	-19.1	Peak	Horizontal
	9467.5	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
	11276.5	34.0	18.8	52.8	74.0	-21.2	Peak	Horizontal
*	7194.7	34.1	13.6	47.7	68.2	-20.5	Peak	Vertical
*	7953.5	33.8	15.1	48.9	68.2	-19.3	Peak	Vertical
	9134.5	35.3	15.1	50.4	74.0	-23.6	Peak	Vertical
	11905.5	33.3	19.5	52.8	74.0	-21.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7143.6	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	8572.6	34.4	14.5	48.9	68.2	-19.3	Peak	Horizontal
	9173.5	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	11276.5	33.5	18.8	52.3	74.0	-21.7	Peak	Horizontal
*	7102.6	34.5	13.4	47.9	68.2	-20.3	Peak	Vertical
*	8526.5	33.8	14.6	48.4	68.2	-19.8	Peak	Vertical
	9426.7	35.3	15.5	50.8	74.0	-23.2	Peak	Vertical
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	144	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7146.4	34.9	13.5	48.4	68.2	-19.8	Peak	Horizontal
*	8562.5	34.7	14.4	49.1	68.2	-19.1	Peak	Horizontal
	9426.6	35.5	15.5	51.0	74.0	-23.0	Peak	Horizontal
	11276.5	33.6	18.8	52.4	74.0	-21.6	Peak	Horizontal
*	7045.7	35.4	13.1	48.5	68.2	-19.7	Peak	Vertical
*	8413.6	34.1	14.5	48.6	68.2	-19.6	Peak	Vertical
	9402.7	35.5	15.4	50.9	74.0	-23.1	Peak	Vertical
	11812.0	32.5	19.3	51.8	74.0	-22.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7126.5	34.9	13.5	48.4	68.2	-19.8	Peak	Horizontal
*	8536.5	34.4	14.5	48.9	68.2	-19.3	Peak	Horizontal
	9402.5	35.5	15.4	50.9	74.0	-23.1	Peak	Horizontal
	11803.5	33.1	19.3	52.4	74.0	-21.6	Peak	Horizontal
*	7044.0	35.9	13.1	49.0	68.2	-19.2	Peak	Vertical
*	7760.5	34.3	14.8	49.1	68.2	-19.1	Peak	Vertical
	9372.2	36.6	15.3	51.9	74.0	-22.1	Peak	Vertical
	12424.0	33.8	19.2	53.0	74.0	-21.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7215.5	34.6	13.7	48.3	68.2	-19.9	Peak	Horizontal
*	8925.5	35.2	14.3	49.5	68.2	-18.7	Peak	Horizontal
	9412.5	35.3	15.5	50.8	74.0	-23.2	Peak	Horizontal
	11812.0	32.7	19.3	52.0	74.0	-22.0	Peak	Horizontal
*	7002.5	35.2	12.7	47.9	68.2	-20.3	Peak	Vertical
*	8572.7	33.6	14.5	48.1	68.2	-20.1	Peak	Vertical
	9415.6	35.8	15.5	51.3	74.0	-22.7	Peak	Vertical
	11795.0	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	54	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7183.6	33.9	13.6	47.5	68.2	-20.7	Peak	Horizontal
*	8672.6	34.2	14.8	49.0	68.2	-19.2	Peak	Horizontal
	9173.5	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	11795.0	33.3	19.4	52.7	74.0	-21.3	Peak	Horizontal
*	7102.5	34.6	13.4	48.0	68.2	-20.2	Peak	Vertical
*	8512.5	34.4	14.6	49.0	68.2	-19.2	Peak	Vertical
	9373.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
*	11803.5	32.8	19.3	52.1	74.0	-21.9	Peak	Horizontal

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	62	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7002.7	35.2	12.7	47.9	68.2	-20.3	Peak	Horizontal
*	8536.5	34.8	14.5	49.3	68.2	-18.9	Peak	Horizontal
	9402.9	35.6	15.4	51.0	74.0	-23.0	Peak	Horizontal
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7002.5	34.8	12.7	47.5	68.2	-20.7	Peak	Vertical
*	8635.8	34.0	14.8	48.8	68.2	-19.4	Peak	Vertical
	9482.5	35.0	15.4	50.4	74.0	-23.6	Peak	Vertical
	11803.5	33.4	19.3	52.7	74.0	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	102	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7155.7	34.2	13.6	47.8	68.2	-20.4	Peak	Horizontal
*	8615.5	33.4	14.8	48.2	68.2	-20.0	Peak	Horizontal
	9412.5	35.3	15.5	50.8	74.0	-23.2	Peak	Horizontal
	11013.0	38.1	18.8	56.9	74.0	-17.1	Peak	Horizontal
*	11020.0	25.7	18.8	44.5	54.0	-9.5	Peak	Vertical
*	7125.7	34.7	13.5	48.2	68.2	-20.0	Peak	Vertical
	8512.7	35.1	14.6	49.7	68.2	-18.5	Peak	Vertical
	9105.4	34.5	14.6	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7145.7	34.5	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	8512.1	34.7	14.6	49.3	68.2	-18.9	Peak	Horizontal
	9473.5	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
	11276.5	33.6	18.8	52.4	74.0	-21.6	Peak	Horizontal
*	7025.6	35.2	12.9	48.1	68.2	-20.1	Peak	Vertical
*	8524.9	34.3	14.6	48.9	68.2	-19.3	Peak	Vertical
	9483.5	36.6	15.4	52.0	74.0	-22.0	Peak	Vertical
	11812.0	33.1	19.3	52.4	74.0	-21.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	134	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7202.4	34.1	13.6	47.7	68.2	-20.5	Peak	Horizontal
*	8536.5	33.7	14.5	48.2	68.2	-20.0	Peak	Horizontal
	9472.7	35.9	15.4	51.3	74.0	-22.7	Peak	Horizontal
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7146.5	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
*	8573.5	33.6	14.5	48.1	68.2	-20.1	Peak	Vertical
	9174.4	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	12067.0	33.8	19.2	53.0	74.0	-21.0	Average	Vertical
	7202.4	34.1	13.6	47.7	68.2	-20.5	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7173.6	34.1	13.6	47.7	68.2	-20.5	Peak	Horizontal
*	8592.6	33.9	14.8	48.7	68.2	-19.5	Peak	Horizontal
	9403.5	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
	11803.5	32.9	19.3	52.2	74.0	-21.8	Peak	Horizontal
*	7146.6	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
*	8535.3	34.1	14.5	48.6	68.2	-19.6	Peak	Vertical
	9125.6	35.2	14.9	50.1	74.0	-23.9	Peak	Vertical
	11803.5	33.2	19.3	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7146.6	34.8	13.5	48.3	68.2	-19.9	Peak	Horizontal
*	8572.5	34.0	14.5	48.5	68.2	-19.7	Peak	Horizontal
	9173.5	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	12067.0	33.9	19.2	53.1	74.0	-20.9	Peak	Horizontal
*	7045.7	35.5	13.1	48.6	68.2	-19.6	Peak	Vertical
*	7983.6	34.3	15.0	49.3	68.2	-18.9	Peak	Vertical
	9183.5	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical
	11803.5	32.6	19.3	51.9	74.0	-22.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	54	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7125.7	35.0	13.5	48.5	68.2	-19.7	Peak	Horizontal
*	8513.7	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
	9402.5	35.3	15.4	50.7	74.0	-23.3	Peak	Horizontal
	11276.5	33.7	18.8	52.5	74.0	-21.5	Peak	Horizontal
*	7026.5	39.2	12.9	52.1	68.2	-16.1	Peak	Vertical
*	8545.5	33.8	14.5	48.3	68.2	-19.9	Peak	Vertical
	9368.5	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	11812.0	32.9	19.3	52.2	74.0	-21.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	62	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7024.7	35.8	12.9	48.7	68.2	-19.5	Peak	Horizontal
*	8515.7	34.3	14.6	48.9	68.2	-19.3	Peak	Horizontal
	9415.9	35.5	15.5	51.0	74.0	-23.0	Peak	Horizontal
	11769.5	33.7	19.4	53.1	74.0	-20.9	Peak	Horizontal
*	7077.5	38.3	13.2	51.5	68.2	-16.7	Peak	Vertical
*	8012.6	34.0	15.1	49.1	68.2	-19.1	Peak	Vertical
	9392.6	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical
	11268.0	34.1	18.8	52.9	74.0	-21.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	102	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7146.2	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
*	7965.5	34.9	15.0	49.9	68.2	-18.3	Peak	Horizontal
	9470.5	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
	12398.5	34.4	19.0	53.4	74.0	-20.6	Peak	Horizontal
*	7143.9	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	8572.5	34.4	14.5	48.9	68.2	-19.3	Peak	Vertical
	9471.6	36.1	15.4	51.5	74.0	-22.5	Peak	Vertical
	12398.5	34.1	19.0	53.1	74.0	-20.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	118	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7249.7	34.2	13.8	48.0	68.2	-20.2	Peak	Horizontal
*	8571.5	33.7	14.5	48.2	68.2	-20.0	Peak	Horizontal
	9471.2	35.5	15.4	50.9	74.0	-23.1	Peak	Horizontal
	11812.0	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7205.0	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
*	8010.6	34.6	15.1	49.7	68.2	-18.5	Peak	Vertical
	9173.7	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	11914.0	33.1	19.6	52.7	74.0	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	134	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7253.7	34.5	13.9	48.4	68.2	-19.8	Peak	Horizontal
*	8542.7	33.8	14.5	48.3	68.2	-19.9	Peak	Horizontal
	9152.5	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
	11276.5	33.8	18.8	52.6	74.0	-21.4	Peak	Horizontal
*	7153.7	33.5	13.6	47.1	68.2	-21.1	Peak	Vertical
*	8572.5	34.1	14.5	48.6	68.2	-19.6	Peak	Vertical
	9473.5	35.3	15.4	50.7	74.0	-23.3	Peak	Vertical
	11276.5	33.5	18.8	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.

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

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