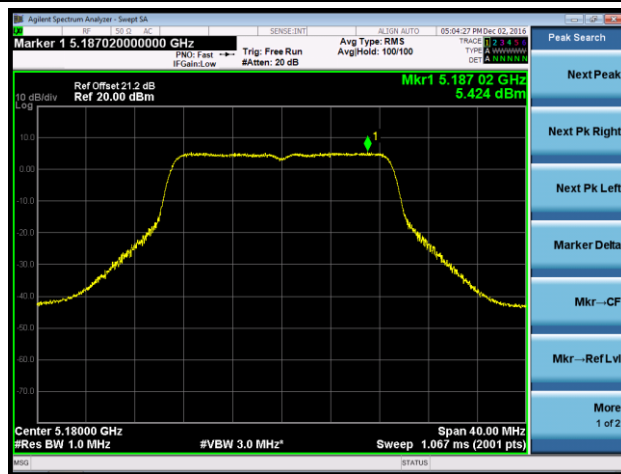


802.11n-HT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

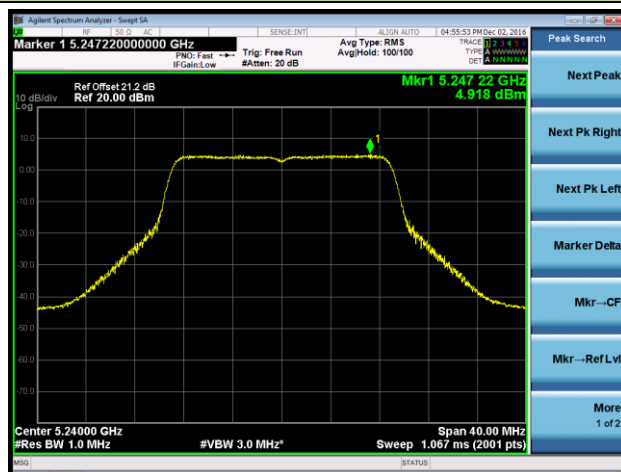
Channel 36 (5180MHz)



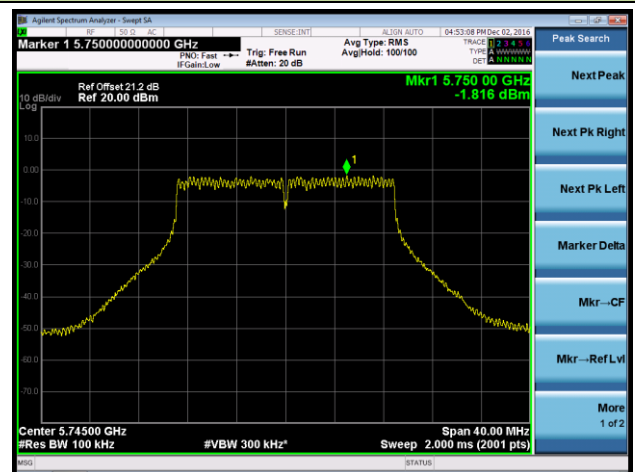
Channel 44 (5220MHz)



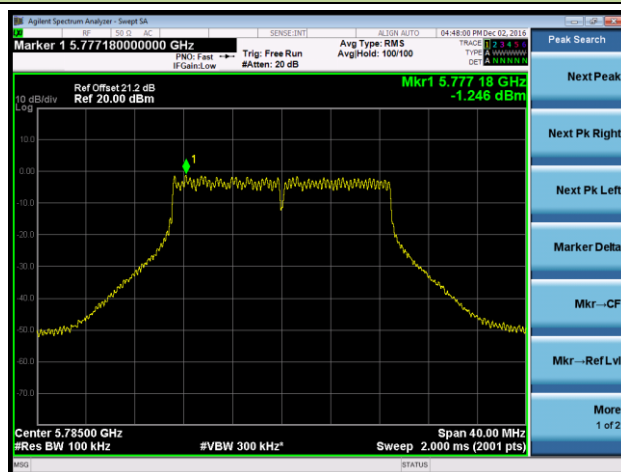
Channel 48 (5240MHz)



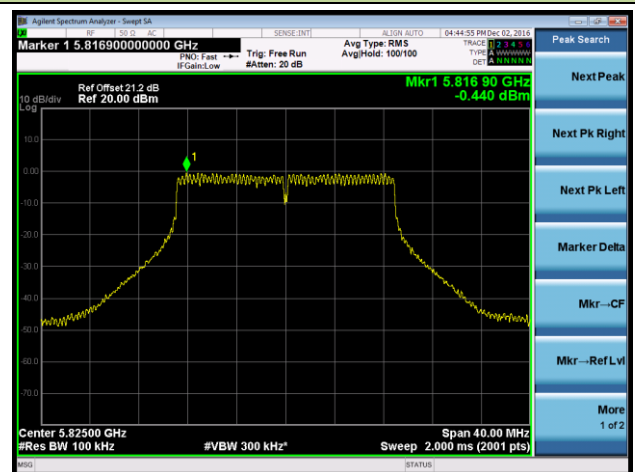
Channel 149 (5745MHz)



Channel 157 (5785MHz)

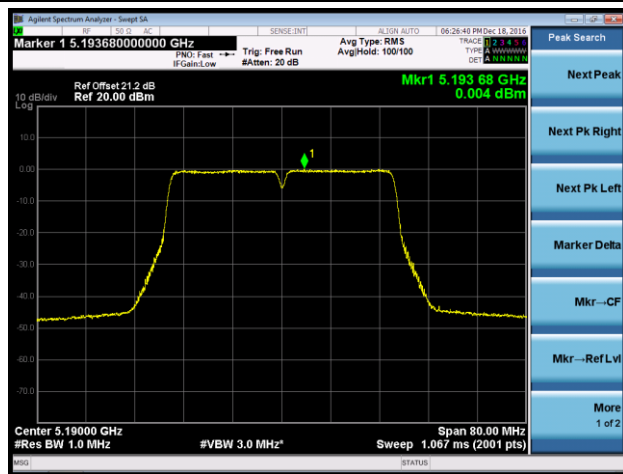


Channel 165 (5825MHz)



802.11n-HT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

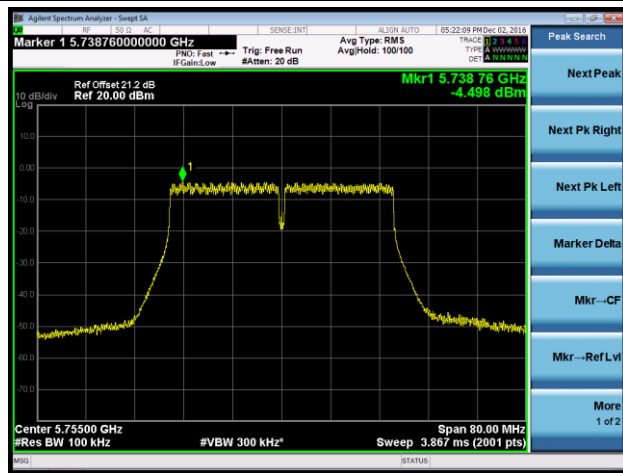
Channel 38 (5190MHz)



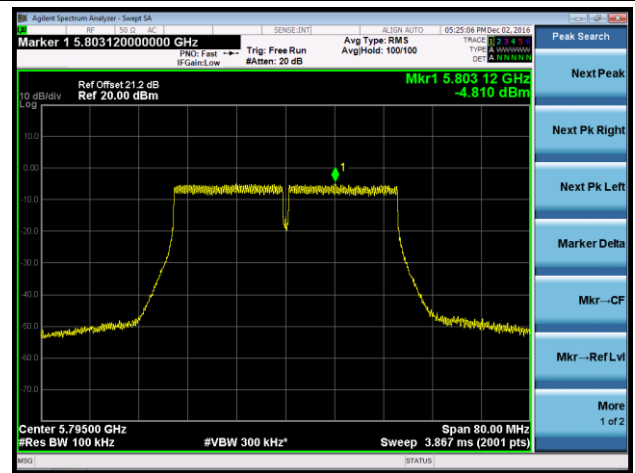
Channel 46 (5230MHz)



Channel 151 (5755MHz)

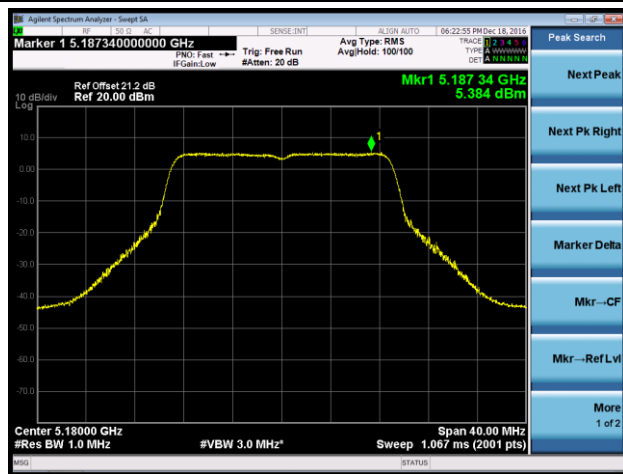


Channel 159 (5795MHz)



802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



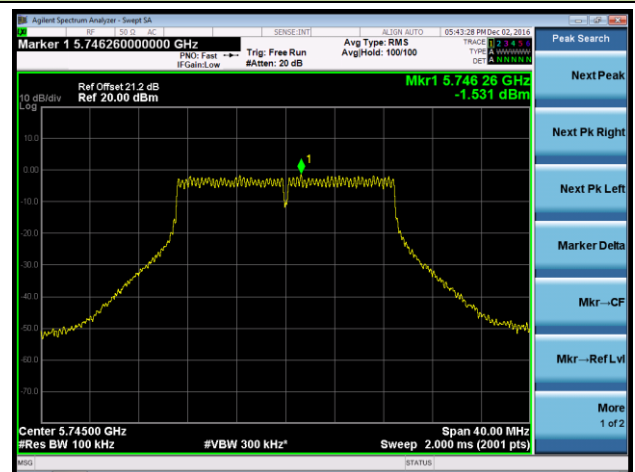
Channel 44 (5220MHz)



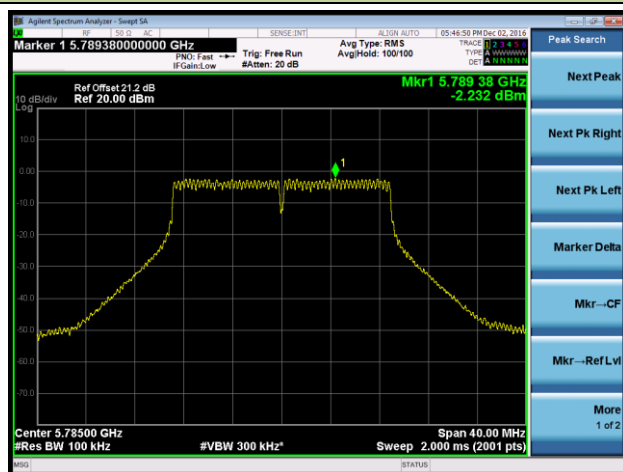
Channel 48 (5240MHz)



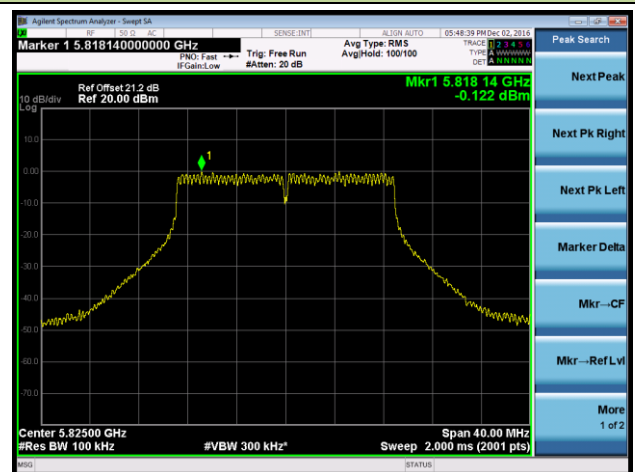
Channel 149 (5745MHz)



Channel 157 (5785MHz)

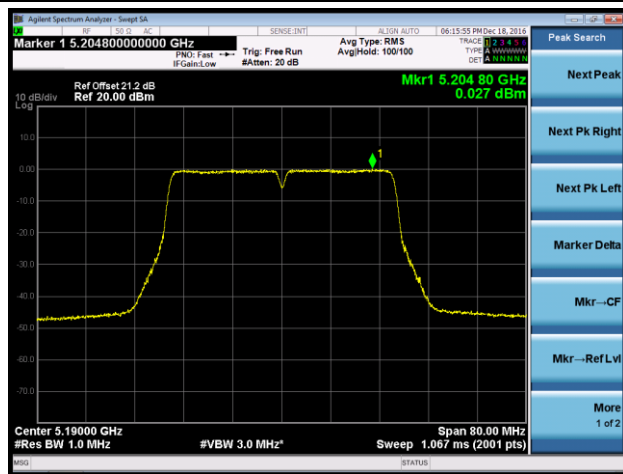


Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

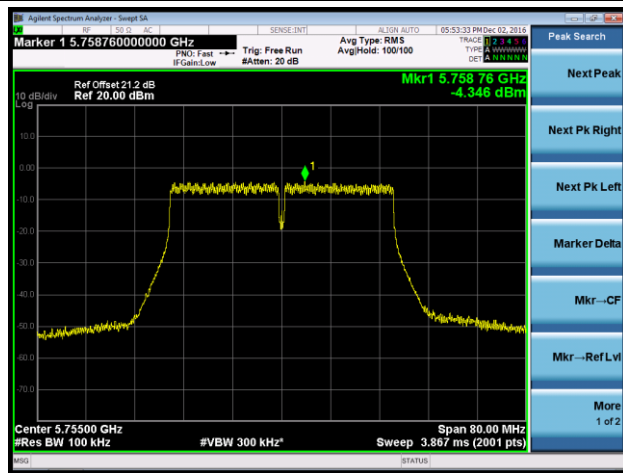
Channel 38 (5190MHz)



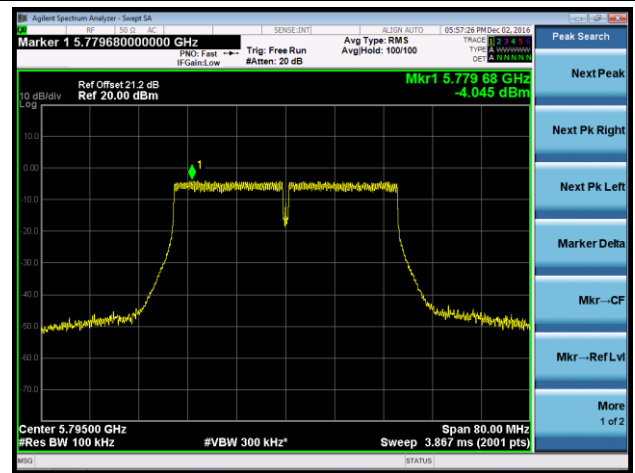
Channel 46 (5230MHz)



Channel 151 (5755MHz)

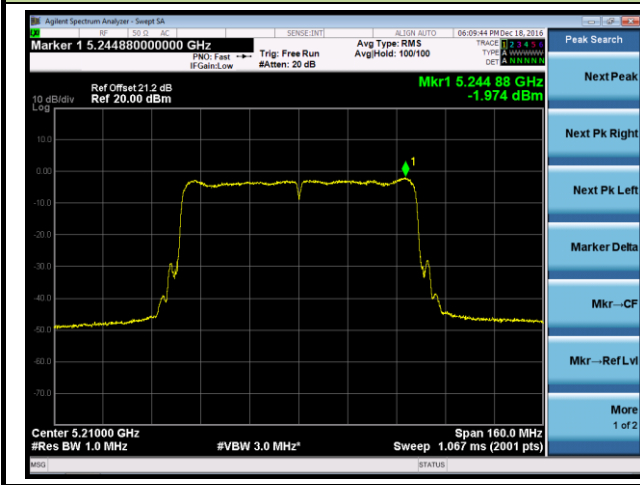


Channel 159 (5795MHz)

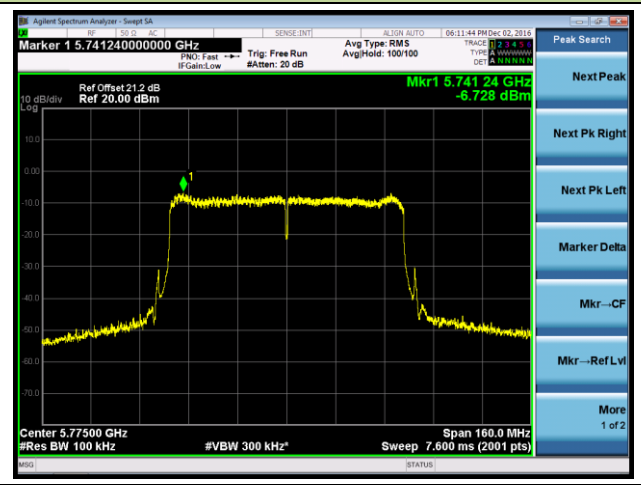


802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 155 (5775MHz)



802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



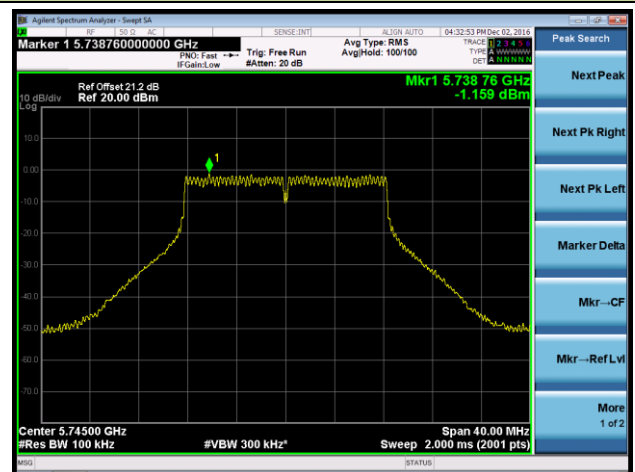
Channel 44 (5220MHz)



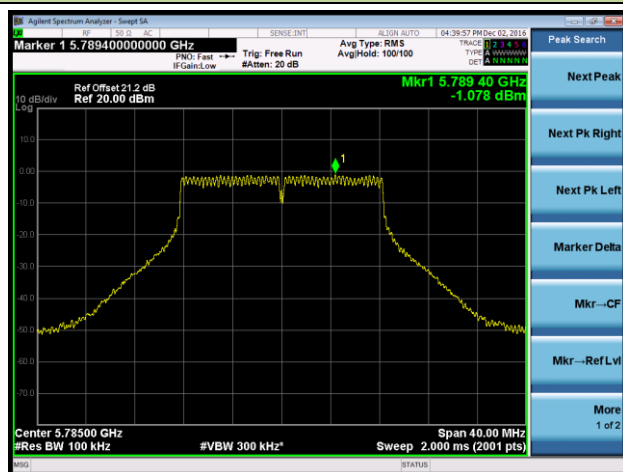
Channel 48 (5240MHz)



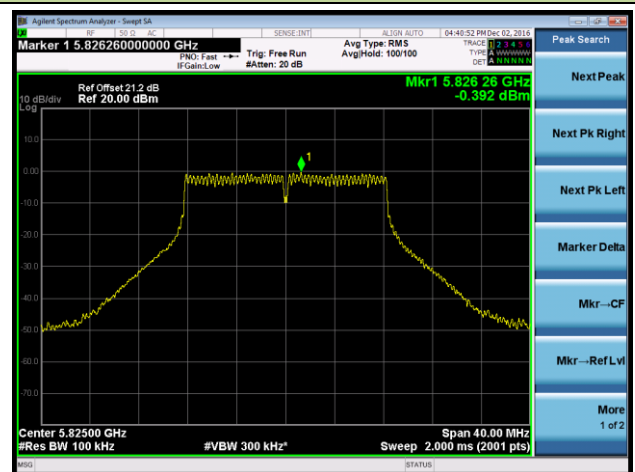
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11n-HT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



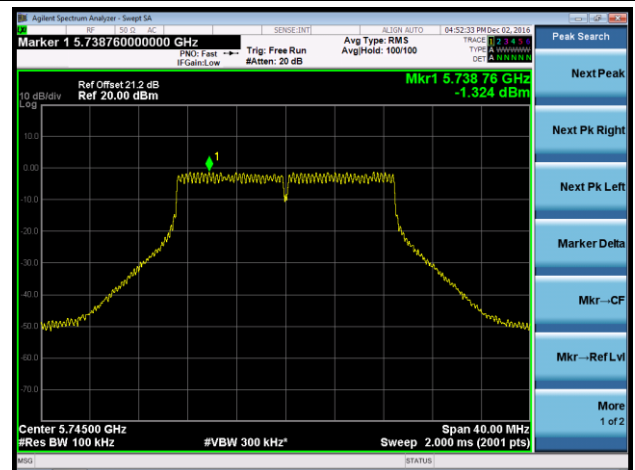
Channel 44 (5220MHz)



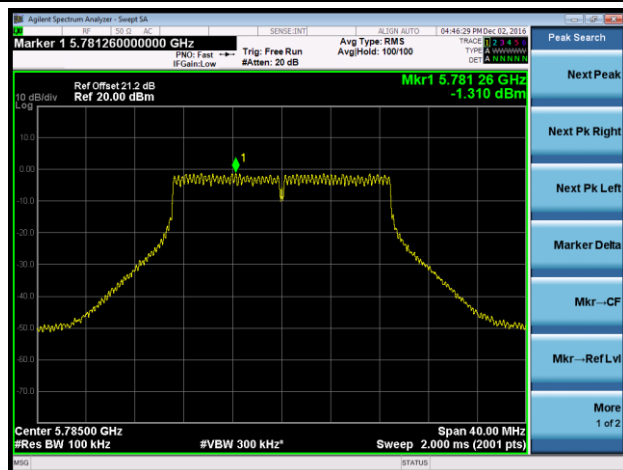
Channel 48 (5240MHz)



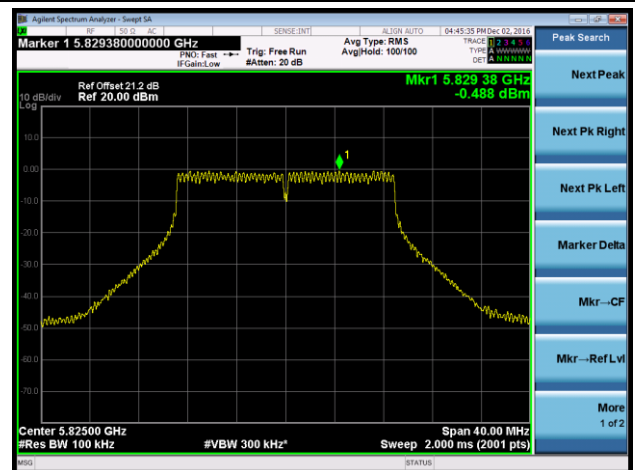
Channel 149 (5745MHz)



Channel 157 (5785MHz)

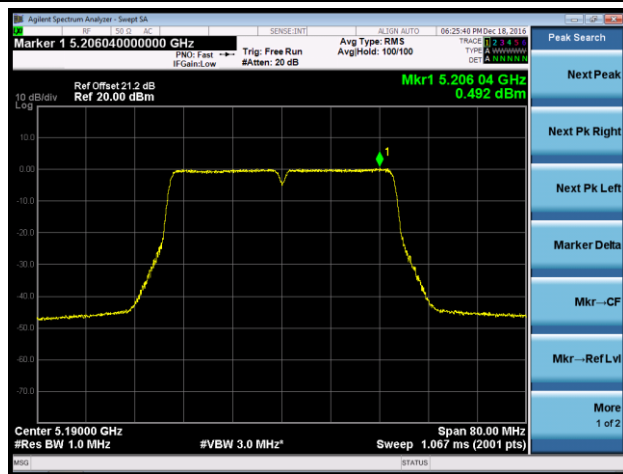


Channel 165 (5825MHz)

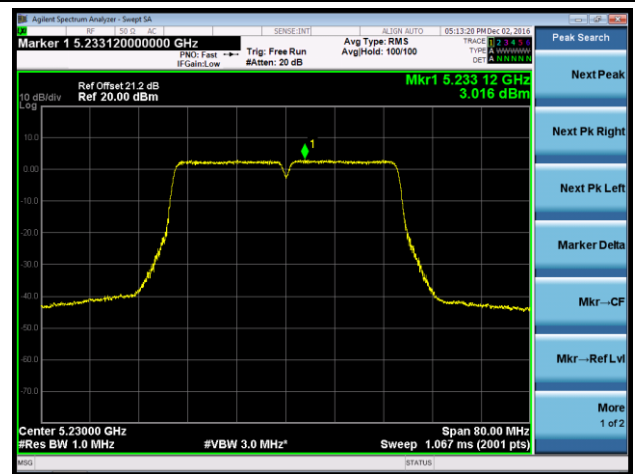


802.11n-HT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

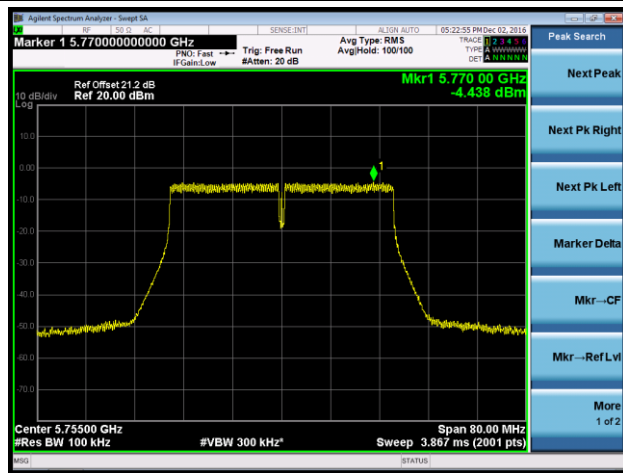
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

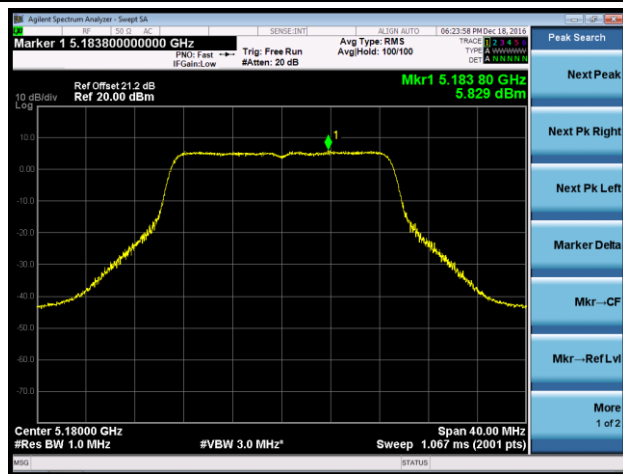


Channel 159 (5795MHz)



802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



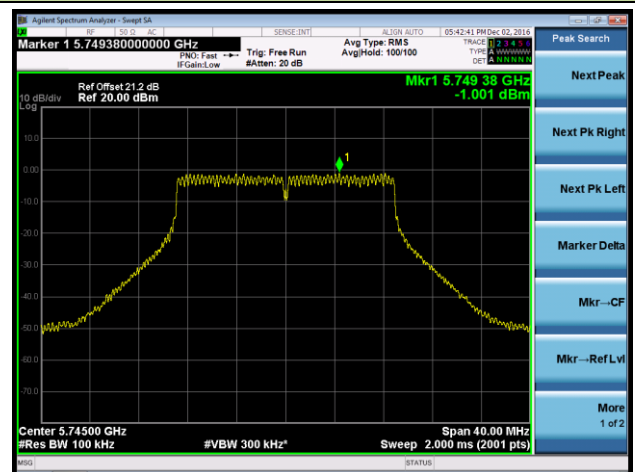
Channel 44 (5220MHz)



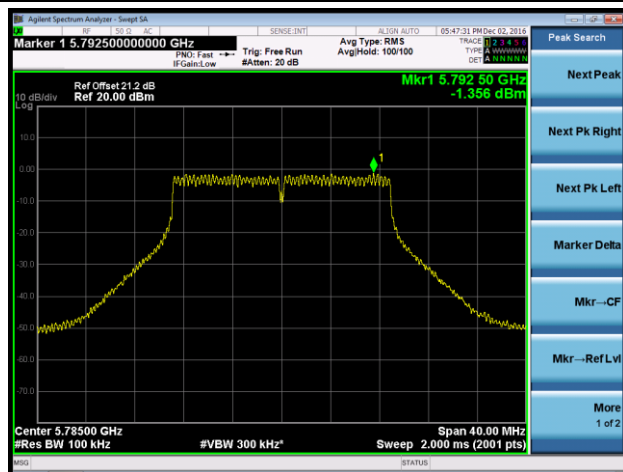
Channel 48 (5240MHz)



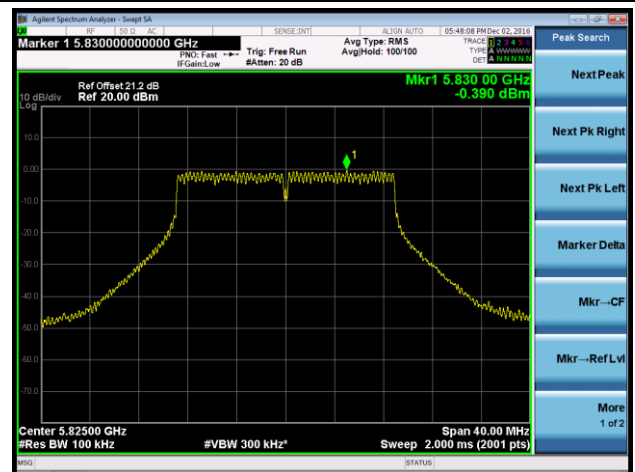
Channel 149 (5745MHz)



Channel 157 (5785MHz)

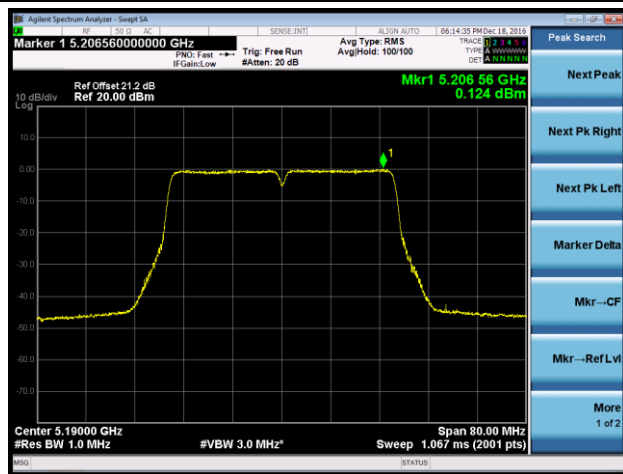


Channel 165 (5825MHz)

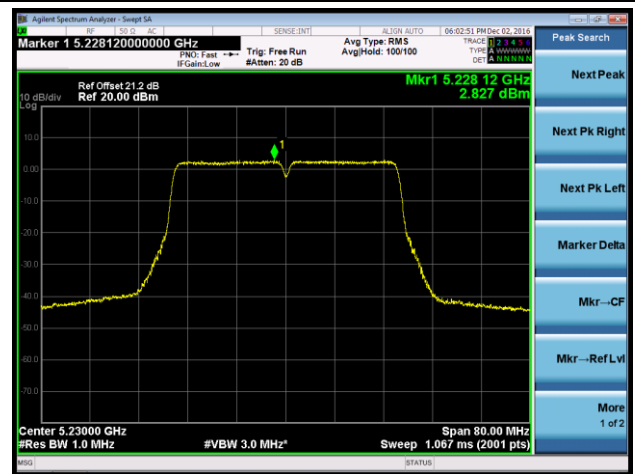


802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

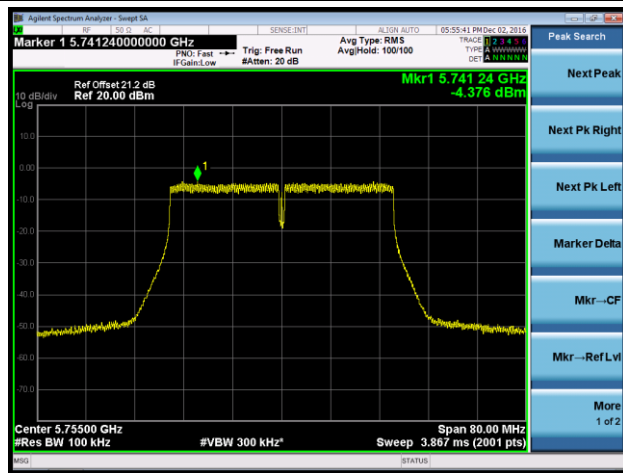
Channel 38 (5190MHz)



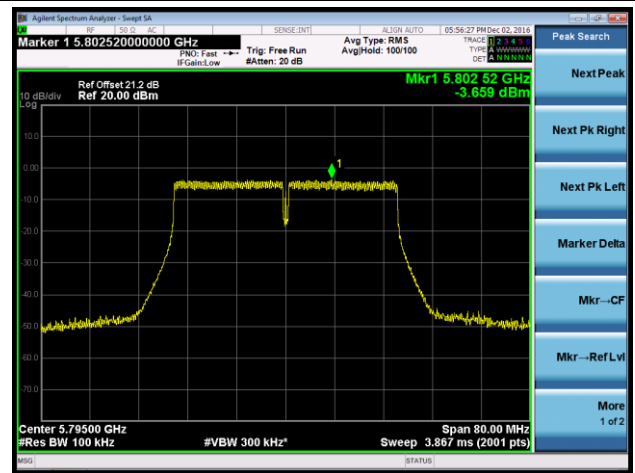
Channel 46 (5230MHz)



Channel 151 (5755MHz)

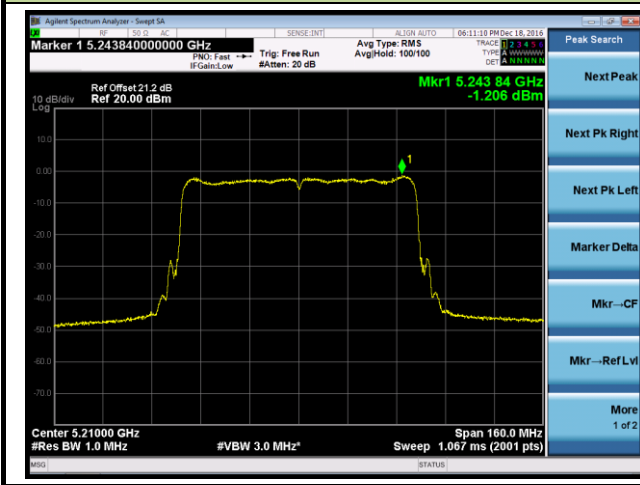


Channel 159 (5795MHz)

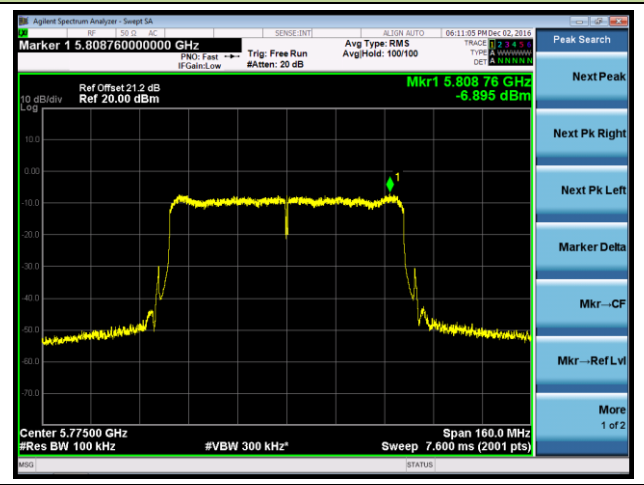


802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 155 (5775MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

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

7.7.2. Test Procedure Used

Frequency Stability under Temperature Variations:

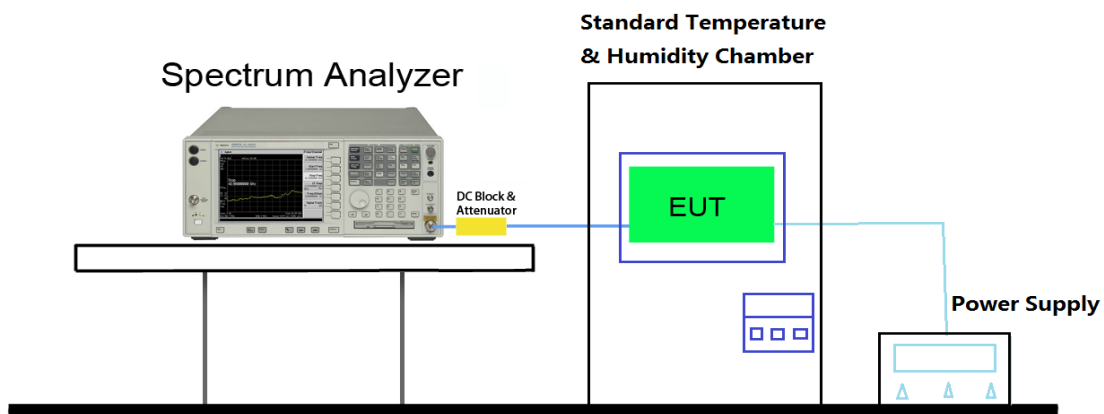
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

Frequency Stability under Voltage Variations:

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

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

7.7.3. Test Setup



7.7.4. Test Result

Test Engineer	Amy Zhang	Temperature	-30 ~ 50°C
Test Time	2016/12/10	Relative Humidity	52%RH
Test Mode	5180MHz		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-7.92	-5.87	-3.74	-4.33
		- 20	-4.28	-5.32	-5.93	-3.88
		- 10	-5.67	-4.87	-3.25	-2.36
		0	-6.06	-6.94	-7.94	-3.31
		+ 10	5.08	2.52	-4.70	-4.63
		+ 20 (Ref)	4.53	6.41	3.86	5.32
		+ 30	6.68	-6.91	2.89	2.99
		+ 40	5.90	3.78	2.84	7.71
		+ 50	5.25	3.21	3.19	2.95
115%	138	+ 20	5.15	5.27	4.86	4.10
85%	102	+ 20	4.56	4.36	3.50	0.78

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

7.8. Radiated Spurious Emission Measurement

7.8.1. Test Limit

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

7.8.2. Test Procedure Used

KDB 789033 D02v01r03 - Section G

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

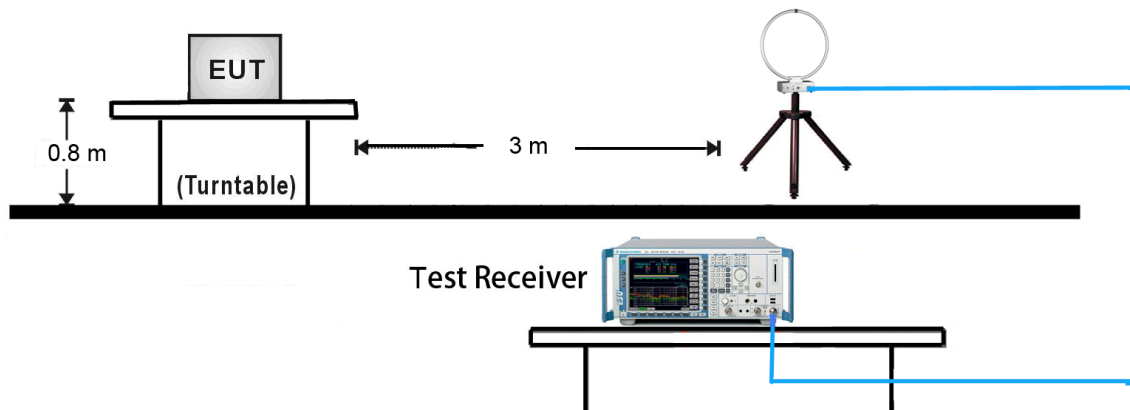
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

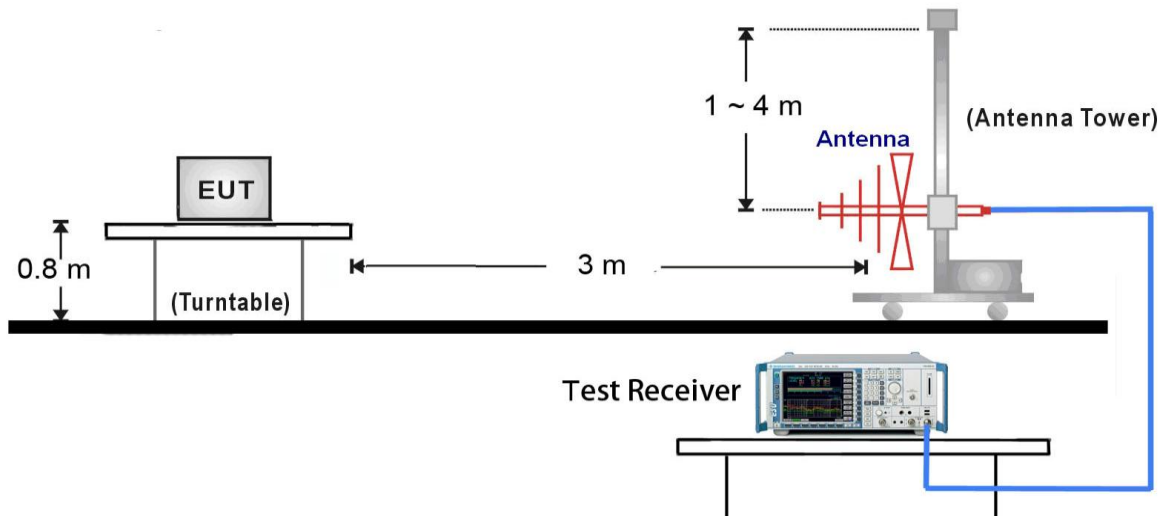
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span}/\text{RBW}$)
6. Sweep time = auto
7. Trace was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

7.8.4. Test Setup

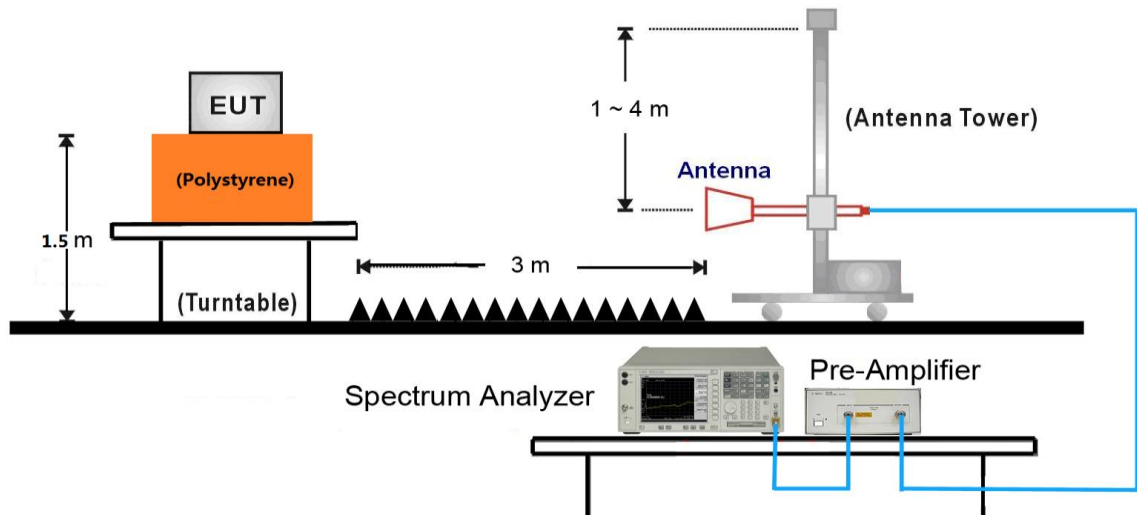
9kHz ~ 30MHz Test Setup:



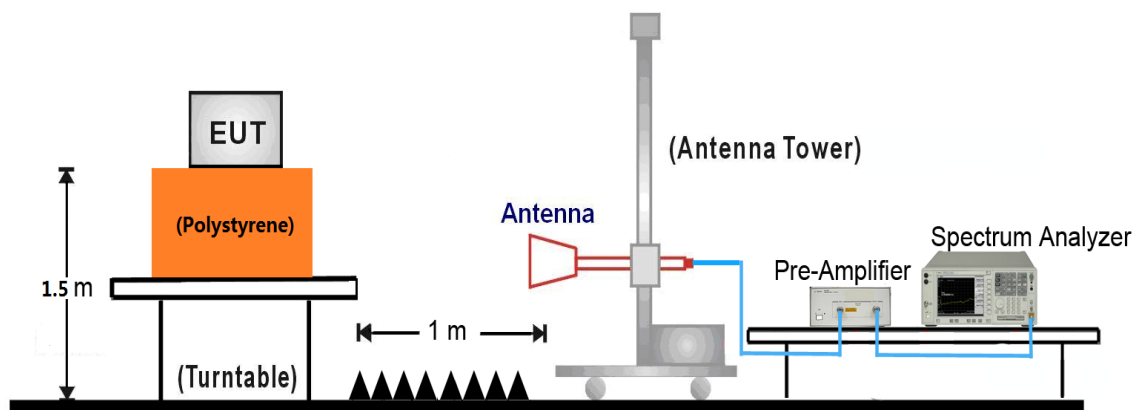
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 40GHz Test Setup:



7.8.5. Test Result

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7856.3	35.2	8.4	43.6	68.2	-24.6	Peak	Horizontal
*	8698.5	35.7	9.0	44.7	68.2	-23.5	Peak	Horizontal
	9125.3	34.9	9.6	44.5	74.0	-29.5	Peak	Horizontal
	11250.4	34.9	12.4	47.3	74.0	-26.7	Peak	Horizontal
	7596.0	39.5	8.1	47.6	74.0	-26.4	Peak	Vertical
*	10358.5	37.3	12.2	49.5	68.2	-18.7	Peak	Vertical
*	14540.5	37.6	15.7	53.3	68.2	-14.9	Peak	Vertical
	15535.0	39.9	12.2	52.1	74.0	-21.9	Peak	Vertical

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

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7336.6	33.7	8.0	41.7	74.0	-32.3	Peak	Horizontal
*	9225.8	34.6	10.1	44.7	68.2	-23.5	Peak	Horizontal
*	10443.5	42.4	12.0	54.4	68.2	-13.8	Peak	Horizontal
	15654.0	46.7	12.0	58.7	74.0	-15.3	Peak	Horizontal
	15665.4	31.0	12.0	43.0	54.0	-11.0	Average	Horizontal
	7630.0	41.3	8.0	49.3	74.0	-24.7	Peak	Vertical
*	8678.5	35.5	9.0	44.5	68.2	-23.7	Peak	Vertical
*	10443.5	42.0	12.0	54.0	68.2	-14.2	Peak	Vertical
	15662.5	50.9	12.0	62.9	74.0	-11.1	Peak	Vertical
	15663.3	36.3	12.0	48.3	54.0	-5.7	Average	Vertical

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

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

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

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8125.9	34.1	8.6	42.7	74.0	-31.3	Peak	Horizontal
*	10486.0	39.1	12.3	51.4	68.2	-16.8	Peak	Horizontal
*	14090.0	37.5	15.1	52.6	68.2	-15.6	Peak	Horizontal
	15721.5	31.3	11.8	43.1	54.0	-10.9	Average	Horizontal
	15722.0	45.6	11.8	57.4	74.0	-16.6	Peak	Horizontal
	7647.0	38.5	8.0	46.5	74.0	-27.5	Peak	Vertical
*	10477.5	41.3	12.2	53.5	68.2	-14.7	Peak	Vertical
*	13202.6	35.4	12.6	48.0	68.2	-20.2	Peak	Vertical
	15657.6	34.3	12.0	46.3	54.0	-7.7	Average	Vertical
	15713.5	53.0	11.8	64.8	74.0	-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 dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8650.0	37.1	8.8	45.9	68.2	-22.3	Peak	Horizontal
	11487.3	36.1	12.8	48.9	54.0	-5.1	Average	Horizontal
	11489.0	48.3	12.8	61.1	74.0	-12.9	Peak	Horizontal
	14480.4	34.7	15.8	50.5	74.0	-23.5	Peak	Horizontal
*	17235.0	42.9	15.9	58.8	68.2	-9.4	Peak	Horizontal
*	7248.7	34.9	8.1	43.0	68.2	-25.2	Peak	Vertical
	9114.5	34.2	9.5	43.7	74.0	-30.3	Peak	Vertical
	11489.0	50.5	12.8	63.3	74.0	-10.7	Peak	Vertical
	11491.3	39.3	12.8	52.1	54.0	-1.9	Average	Vertical
*	17235.0	48.0	15.9	63.9	68.2	-4.3	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6689.6	34.2	5.8	40.0	68.2	-28.2	Peak	Horizontal
	9125.6	33.9	9.7	43.6	74.0	-30.4	Peak	Horizontal
	11571.5	38.1	12.6	50.7	54.0	-3.3	Average	Horizontal
	11582.5	48.1	12.6	60.7	74.0	-13.3	Peak	Horizontal
*	17362.5	44.7	16.9	61.6	68.2	-6.6	Peak	Horizontal
*	7858.7	34.0	8.4	42.4	68.2	-25.8	Peak	Vertical
	9429.5	34.0	10.5	44.5	74.0	-29.5	Peak	Vertical
	11571.3	39.7	12.6	52.3	54.0	-1.7	Average	Vertical
	11574.0	50.9	12.6	63.5	74.0	-10.5	Peak	Vertical
*	17354.0	48.5	16.9	65.4	68.2	-2.8	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)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9679.5	32.2	10.9	43.1	68.2	-25.1	Peak	Horizontal
	11650.5	51.8	12.3	64.1	74.0	-9.9	Peak	Horizontal
	11651.7	39.7	12.3	52.0	54.0	-2.0	Average	Horizontal
	13258.7	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
*	17473.0	43.6	17.2	60.8	68.2	-7.4	Peak	Horizontal
*	7979.5	34.7	8.7	43.4	68.2	-24.8	Peak	Vertical
	11650.5	51.1	12.3	63.4	74.0	-10.6	Peak	Vertical
	11651.8	40.7	12.3	53.0	54.0	-1.0	Average	Vertical
	13369.8	35.6	13.7	49.3	74.0	-24.7	Peak	Vertical
*	17473.0	48.5	17.2	65.7	68.2	-2.5	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)

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6857.5	33.9	6.4	40.3	68.2	-27.9	Peak	Horizontal
	8248.7	34.4	8.1	42.5	74.0	-31.5	Peak	Horizontal
*	9236.8	34.0	10.2	44.2	68.2	-24.0	Peak	Horizontal
	14490.6	35.2	15.8	51.0	74.0	-23.0	Peak	Horizontal
	7613.0	39.5	8.1	47.6	74.0	-26.4	Peak	Vertical
	9348.6	35.2	10.5	45.7	74.0	-28.3	Peak	Vertical
*	10358.5	36.7	12.2	48.9	68.2	-19.3	Peak	Vertical
*	14719.0	37.6	15.6	53.2	68.2	-15.0	Peak	Vertical

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

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

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

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7979.5	34.0	8.7	42.7	68.2	-25.5	Peak	Horizontal
	9117.5	34.0	9.5	43.5	74.0	-30.5	Peak	Horizontal
*	10452.0	40.6	12.0	52.6	68.2	-15.6	Peak	Horizontal
	15661.1	27.8	12.0	39.8	54.0	-14.2	Average	Horizontal
	15662.5	42.3	12.0	54.3	74.0	-19.7	Peak	Horizontal
	7630.0	41.8	8.0	49.8	74.0	-24.2	Peak	Vertical
*	10443.5	39.4	12.0	51.4	68.2	-16.8	Peak	Vertical
*	13920.0	37.6	14.7	52.3	68.2	-15.9	Peak	Vertical
	15661.4	32.2	12.0	44.2	54.0	-9.8	Average	Vertical
	15662.5	46.8	12.0	58.8	74.0	-15.2	Peak	Vertical

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

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

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

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10477.5	38.1	12.2	50.3	68.2	-17.9	Peak	Horizontal
	10945.0	35.8	13.1	48.9	74.0	-25.1	Peak	Horizontal
*	12970.0	34.2	12.1	46.3	68.2	-21.9	Peak	Horizontal
	15720.0	29.4	11.8	41.2	54.0	-12.8	Average	Horizontal
	15722.0	41.7	11.8	53.5	74.0	-20.5	Peak	Horizontal
	7706.5	39.4	8.0	47.4	74.0	-26.6	Peak	Vertical
*	10486.0	40.1	12.3	52.4	68.2	-15.8	Peak	Vertical
*	14175.0	37.1	15.3	52.4	68.2	-15.8	Peak	Vertical
	15720.0	32.3	11.8	44.1	54.0	-9.9	Average	Vertical
	15722.0	46.1	11.8	57.9	74.0	-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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8987.2	34.1	8.9	43.0	68.2	-25.2	Peak	Horizontal
	11489.0	48.8	12.8	61.6	74.0	-12.4	Peak	Horizontal
	11490.0	37.3	12.8	50.1	54.0	-3.9	Average	Horizontal
	13347.2	36.2	13.5	49.7	74.0	-24.3	Peak	Horizontal
*	17226.5	41.1	16.0	57.1	68.2	-11.1	Peak	Horizontal
*	6882.7	35.0	6.4	41.4	68.2	-26.8	Peak	Vertical
	9113.5	34.7	9.5	44.2	74.0	-29.8	Peak	Vertical
	11489.0	50.3	12.8	63.1	74.0	-10.9	Peak	Vertical
	11490.2	38.1	12.8	50.9	54.0	-3.1	Average	Vertical
*	17243.5	45.7	16.0	61.7	68.2	-6.5	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7117.5	34.2	7.6	41.8	68.2	-26.4	Peak	Horizontal
	9478.3	32.9	10.6	43.5	74.0	-30.5	Peak	Horizontal
	11570.4	40.1	12.6	52.7	54.0	-1.3	Average	Horizontal
	11574.0	48.9	12.6	61.5	74.0	-12.5	Peak	Horizontal
*	17354.0	40.4	16.9	57.3	68.2	-10.9	Peak	Horizontal
*	7985.2	34.4	8.7	43.1	68.2	-25.1	Peak	Vertical
	11570.3	39.2	12.6	51.8	54.0	-2.2	Average	Vertical
	11574.0	49.6	12.6	62.2	74.0	-11.8	Peak	Vertical
	14480.0	35.3	15.8	51.1	74.0	-22.9	Peak	Vertical
*	17345.5	44.5	16.8	61.3	68.2	-6.9	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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8628.2	34.9	8.8	43.7	68.2	-24.5	Peak	Horizontal
	11650.2	40.2	12.3	52.5	54.0	-1.5	Average	Horizontal
	11650.5	52.4	12.3	64.7	74.0	-9.3	Peak	Horizontal
	13352.2	35.3	13.5	48.8	74.0	-25.2	Peak	Horizontal
*	17473.0	40.9	17.2	58.1	68.2	-10.1	Peak	Horizontal
*	6998.7	34.8	6.8	41.6	68.2	-26.6	Peak	Vertical
	9125.4	34.0	9.7	43.7	74.0	-30.3	Peak	Vertical
	11650.2	40.3	12.3	52.6	54.0	-1.4	Average	Vertical
	11650.5	49.5	12.3	61.8	74.0	-12.2	Peak	Vertical
*	17473.0	46.1	17.2	63.3	68.2	-4.9	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)

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6825.1	34.6	6.2	40.8	68.2	-27.4	Peak	Horizontal
	8148.2	33.7	8.5	42.2	74.0	-31.8	Peak	Horizontal
	11475.2	33.9	12.7	46.6	74.0	-27.4	Peak	Horizontal
*	14678.4	35.2	15.7	50.9	68.2	-17.3	Peak	Horizontal
*	6556.3	32.9	6.0	38.9	68.2	-29.3	Peak	Vertical
	7325.4	33.9	8.0	41.9	74.0	-32.1	Peak	Vertical
	11457.2	33.4	12.7	46.1	74.0	-27.9	Peak	Vertical
*	13125.5	33.1	12.5	45.6	68.2	-22.6	Peak	Vertical

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

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

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

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7979.3	34.6	8.7	43.3	68.2	-24.9	Peak	Horizontal
	9147.5	33.8	9.8	43.6	74.0	-30.4	Peak	Horizontal
*	10460.5	39.6	12.1	51.7	68.2	-16.5	Peak	Horizontal
	15713.5	41.0	11.8	52.8	74.0	-21.2	Peak	Horizontal
*	7881.2	34.6	8.4	43.0	68.2	-25.2	Peak	Vertical
	9123.3	33.8	9.6	43.4	74.0	-30.6	Peak	Vertical
*	10460.5	38.6	12.1	50.7	68.2	-17.5	Peak	Vertical
	15693.4	34.2	11.9	46.1	54.0	-7.9	Average	Vertical
	15705.0	46.6	11.8	58.4	74.0	-15.6	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7626.4	34.8	8.0	42.8	74.0	-31.2	Peak	Horizontal
*	9545.1	34.0	10.5	44.5	68.2	-23.7	Peak	Horizontal
	11509.7	37.3	12.8	50.1	54.0	-3.9	Average	Horizontal
	11514.5	48.8	12.8	61.6	74.0	-12.4	Peak	Horizontal
*	17269.0	41.1	16.1	57.2	68.2	-11.0	Peak	Horizontal
*	6767.4	34.7	5.8	40.5	68.2	-27.7	Peak	Vertical
	8256.8	34.8	8.1	42.9	74.0	-31.1	Peak	Vertical
	11509.1	37.0	12.8	49.8	54.0	-4.2	Average	Vertical
	11514.5	48.2	12.8	61.0	74.0	-13.0	Peak	Vertical
*	17269.0	44.7	16.1	60.8	68.2	-7.4	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)

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6998.9	34.6	6.8	41.4	68.2	-26.8	Peak	Horizontal
	9445.6	34.1	10.5	44.6	74.0	-29.4	Peak	Horizontal
	11589.6	37.2	12.6	49.8	54.0	-4.2	Average	Horizontal
	11591.0	48.3	12.6	60.9	74.0	-13.1	Peak	Horizontal
*	17396.5	42.0	17.1	59.1	68.2	-9.1	Peak	Horizontal
*	6776.4	34.5	5.9	40.4	68.2	-27.8	Peak	Vertical
	8448.7	34.2	8.2	42.4	74.0	-31.6	Peak	Vertical
	11589.1	36.7	12.6	49.3	54.0	-4.7	Average	Vertical
	11591.0	48.0	12.6	60.6	74.0	-13.4	Peak	Vertical
*	17388.0	44.0	17.0	61.0	68.2	-7.2	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)

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6554.2	31.8	6.0	37.8	68.2	-30.4	Peak	Horizontal
*	8545.2	33.8	8.3	42.1	68.2	-26.1	Peak	Horizontal
	9475.8	34.1	10.6	44.7	74.0	-29.3	Peak	Horizontal
	11690.9	32.9	12.0	44.9	74.0	-29.1	Peak	Horizontal
	7638.5	38.7	8.0	46.7	74.0	-27.3	Peak	Vertical
*	9247.4	33.5	10.2	43.7	68.2	-24.5	Peak	Vertical
*	10358.5	35.4	12.2	47.6	68.2	-20.6	Peak	Vertical
	14472.5	36.9	15.8	52.7	74.0	-21.3	Peak	Vertical

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

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

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

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6714.3	34.3	5.8	40.1	68.2	-28.1	Peak	Horizontal
	8334.8	34.0	8.0	42.0	74.0	-32.0	Peak	Horizontal
*	10443.5	39.6	12.0	51.6	68.2	-16.6	Peak	Horizontal
	15662.5	41.1	12.0	53.1	74.0	-20.9	Peak	Horizontal
*	7878.8	34.9	8.4	43.3	68.2	-24.9	Peak	Vertical
	9115.6	33.5	9.5	43.0	74.0	-31.0	Peak	Vertical
*	10443.5	43.8	12.0	55.8	68.2	-12.4	Peak	Vertical
	15661.3	32.9	12.0	44.9	54.0	-9.1	Average	Vertical
	15662.5	45.9	12.0	57.9	74.0	-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)

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7918.5	34.3	8.4	42.7	68.2	-25.5	Peak	Horizontal
	9335.6	35.0	10.4	45.4	74.0	-28.6	Peak	Horizontal
*	10477.5	40.9	12.2	53.1	68.2	-15.1	Peak	Horizontal
	15722.0	42.2	11.8	54.0	74.0	-20.0	Peak	Horizontal
*	7991.4	35.3	8.7	44.0	68.2	-24.2	Peak	Vertical
	9116.5	33.9	9.5	43.4	74.0	-30.6	Peak	Vertical
*	10477.5	41.8	12.2	54.0	68.2	-14.2	Peak	Vertical
	15719.9	32.4	11.8	44.2	54.0	-9.8	Average	Vertical
	15730.5	45.8	11.8	57.6	74.0	-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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6828.5	33.9	6.2	40.1	68.2	-28.1	Peak	Horizontal
	9465.1	34.1	10.5	44.6	74.0	-29.4	Peak	Horizontal
	11489.0	49.5	12.8	62.3	74.0	-11.7	Peak	Horizontal
	11490.3	38.3	12.8	51.1	54.0	-2.9	Average	Horizontal
*	17235.0	44.0	15.9	59.9	68.2	-8.3	Peak	Horizontal
*	7115.8	35.0	7.6	42.6	68.2	-25.6	Peak	Vertical
	9157.4	34.5	9.8	44.3	74.0	-29.7	Peak	Vertical
	11489.0	49.3	12.8	62.1	74.0	-11.9	Peak	Vertical
	11490.3	38.5	12.8	51.3	54.0	-2.7	Average	Vertical
*	17235.0	45.1	15.9	61.0	68.2	-7.2	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7008.5	35.0	6.9	41.8	68.2	-26.4	Peak	Horizontal
	9447.3	33.7	10.5	44.2	74.0	-29.8	Peak	Horizontal
	11570.3	39.9	12.6	52.6	54.0	-1.4	Average	Horizontal
	11574.0	49.2	12.6	61.9	74.0	-12.1	Peak	Horizontal
*	17354.0	41.5	16.9	58.4	68.2	-9.8	Peak	Horizontal
*	7135.4	35.0	6.9	41.9	68.2	-26.3	Peak	Vertical
	9125.8	33.7	10.5	44.2	74.0	-29.8	Peak	Vertical
	11565.5	39.9	12.6	52.5	74.0	-21.5	Peak	Vertical
	11570.3	49.2	12.6	61.8	54.0	7.8	Average	Vertical
*	17362.5	41.5	16.9	58.4	68.2	-9.8	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)

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6978.0	34.5	6.8	41.3	68.2	-26.9	Peak	Horizontal
	8256.4	33.5	8.1	41.6	74.0	-32.4	Peak	Horizontal
	11650.5	51.9	12.3	64.2	74.0	-9.8	Peak	Horizontal
	11650.5	41.2	12.3	53.5	54.0	-0.5	Average	Horizontal
*	17464.5	40.2	17.2	57.4	68.2	-10.8	Peak	Horizontal
*	7101.5	35.4	7.5	42.9	68.2	-25.3	Peak	Vertical
	8264.7	35.2	8.1	43.3	74.0	-30.7	Peak	Vertical
	11642.0	49.8	12.4	62.2	74.0	-11.8	Peak	Vertical
	11650.4	40.4	12.3	52.7	54.0	-1.3	Average	Vertical
*	17473.0	46.1	17.2	63.3	68.2	-4.9	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)

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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6978.8	34.7	6.8	41.5	68.2	-26.7	Peak	Horizontal
	7352.6	34.3	8.0	42.3	74.0	-31.7	Peak	Horizontal
*	9233.3	34.1	10.1	44.2	68.2	-24.0	Peak	Horizontal
	11770.5	33.4	11.9	45.3	74.0	-28.7	Peak	Horizontal
*	6887.6	35.2	6.5	41.7	68.2	-26.5	Peak	Vertical
	7336.8	33.7	8.0	41.7	74.0	-32.3	Peak	Vertical
*	9228.5	34.4	10.1	44.5	68.2	-23.7	Peak	Vertical
	13368.3	35.7	13.6	49.3	74.0	-24.7	Peak	Vertical

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

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + 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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7999.3	34.3	8.7	43.0	68.2	-25.2	Peak	Horizontal
	9145.6	34.5	9.8	44.3	74.0	-29.7	Peak	Horizontal
*	10452.0	39.4	12.0	51.4	68.2	-16.8	Peak	Horizontal
	15705.0	43.7	11.8	55.5	74.0	-18.5	Peak	Horizontal
*	6671.4	33.7	5.9	39.6	68.2	-28.6	Peak	Vertical
	8228.5	34.4	8.2	42.6	74.0	-31.4	Peak	Vertical
*	10469.0	38.5	12.1	50.6	68.2	-17.6	Peak	Vertical
	15685.8	33.0	11.9	44.9	54.0	-9.1	Average	Vertical
	15696.5	45.0	11.9	56.9	74.0	-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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6779.8	34.2	5.9	40.1	68.2	-28.1	Peak	Horizontal
	8226.1	34.2	8.2	42.4	74.0	-31.6	Peak	Horizontal
	11506.0	47.4	12.8	60.2	74.0	-13.8	Peak	Horizontal
	11509.7	37.0	12.8	49.8	54.0	-4.2	Average	Horizontal
*	17286.0	38.7	16.4	55.1	68.2	-13.1	Peak	Horizontal
*	6823.6	34.0	6.2	40.2	68.2	-28.0	Peak	Vertical
	9114.6	33.7	9.5	43.2	74.0	-30.8	Peak	Vertical
	11509.3	37.1	12.8	49.9	54.0	-4.1	Average	Vertical
	11514.5	47.7	12.8	60.5	74.0	-13.5	Peak	Vertical
*	17252.0	44.8	16.1	60.9	68.2	-7.3	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)

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	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 (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7992.5	35.0	8.7	43.7	68.2	-24.5	Peak	Horizontal
	9446.5	33.7	10.5	44.2	74.0	-29.8	Peak	Horizontal
	11589.6	37.0	12.6	49.6	54.0	-4.4	Average	Horizontal
	11591.0	47.5	12.6	60.1	74.0	-13.9	Peak	Horizontal
*	17396.5	42.2	17.1	59.3	68.2	-8.9	Peak	Horizontal
*	6917.2	35.3	6.6	41.9	68.2	-26.3	Peak	Vertical
	9127.3	34.6	9.7	44.3	74.0	-29.7	Peak	Vertical
	11588.9	37.9	12.6	50.5	54.0	-3.5	Average	Vertical
	11591.0	46.6	12.6	59.2	74.0	-14.8	Peak	Vertical
*	17396.5	48.2	17.1	65.3	68.2	-2.9	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)