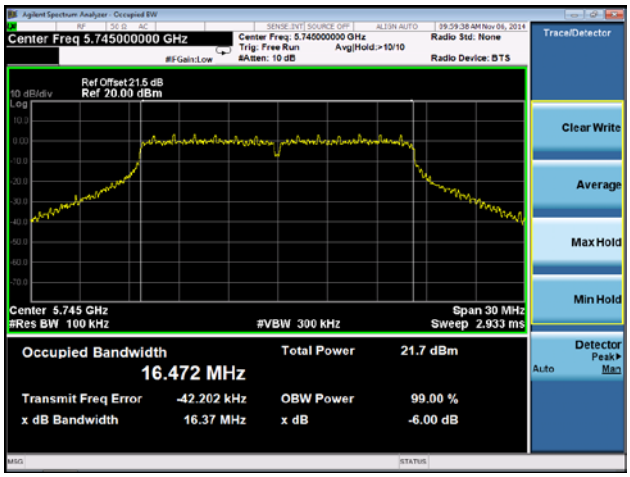
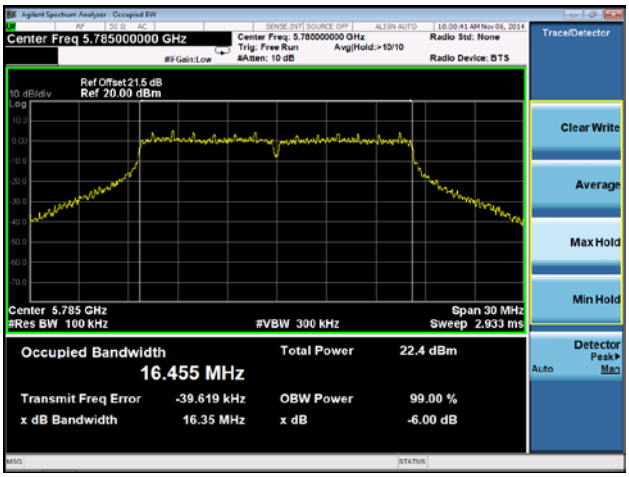
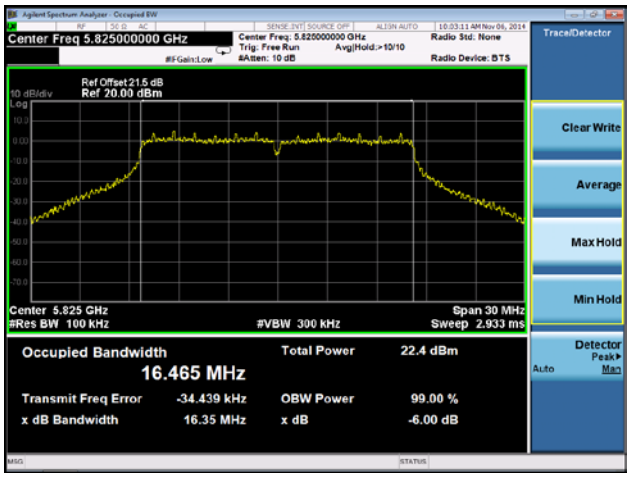
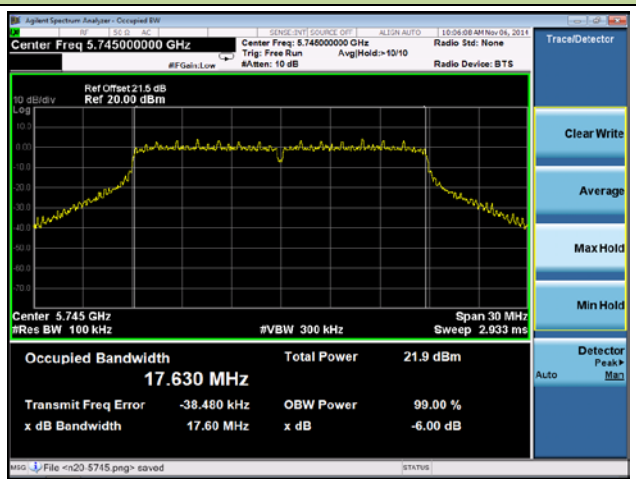
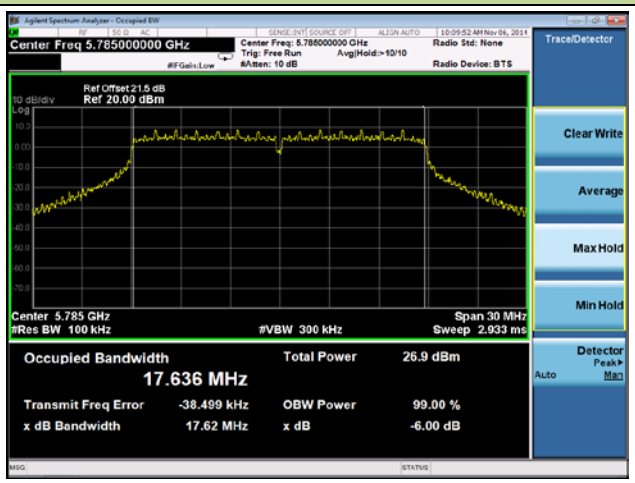
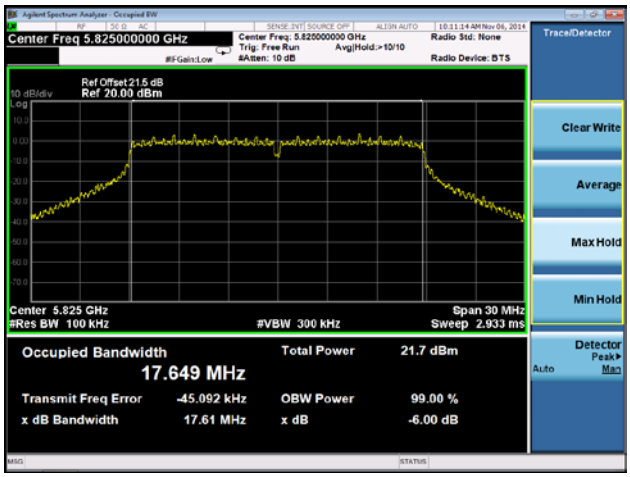
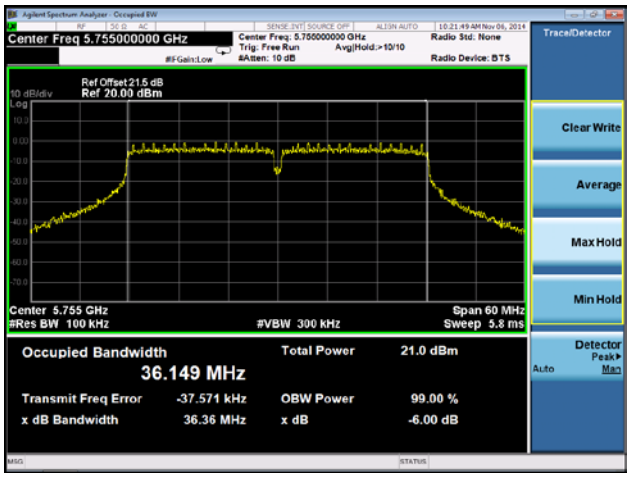
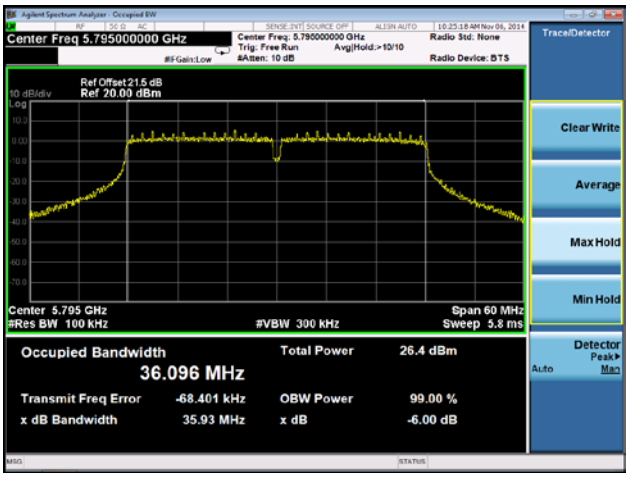
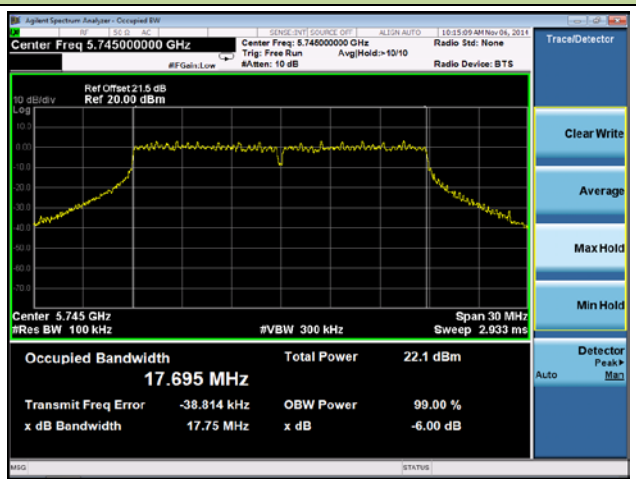
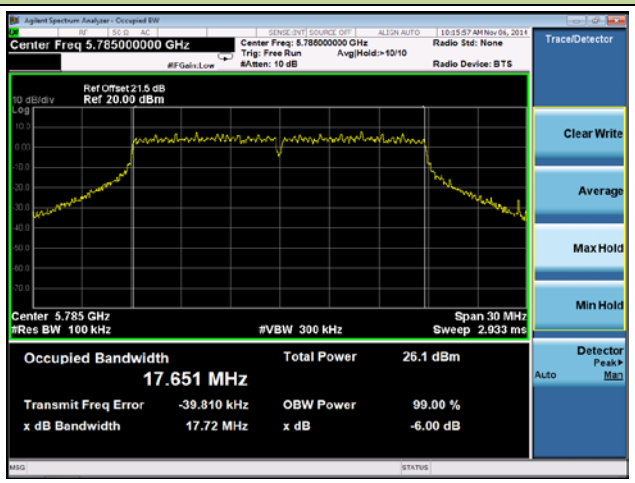
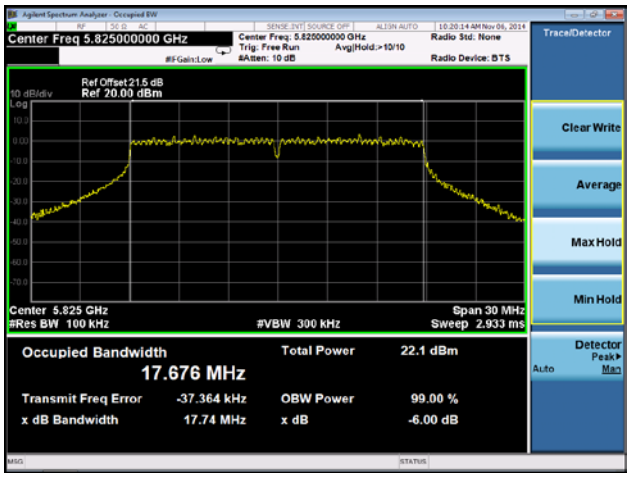
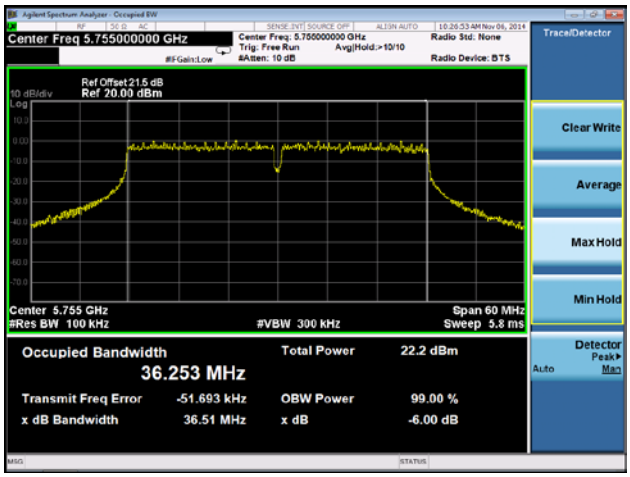
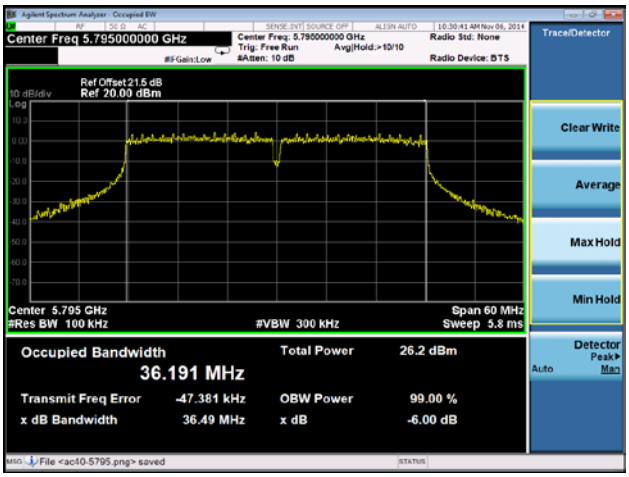
802.11a 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	
802.11n-HT20 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	

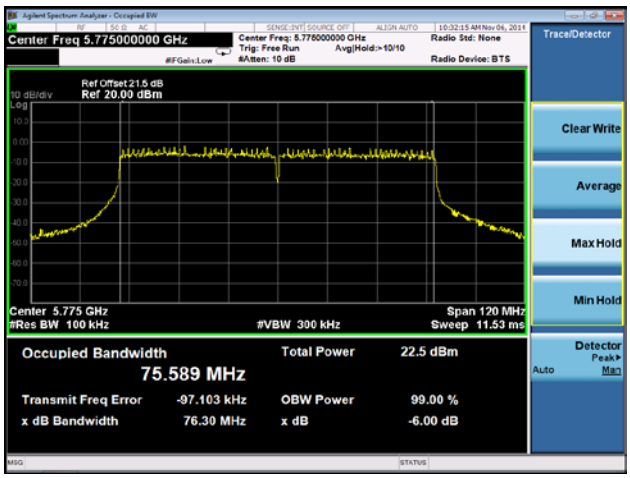
Channel 165 (5825MHz)	
	

802.11n-HT40 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT20 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	

Channel 165 (5825MHz)	
	

802.11ac-VHT40 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT80 6dB Bandwidth - Ant 1 / Ant 0 + 1	
Channel 155 (5775MHz)	
	

7.4. Output Power Measurement

7.4.1. Test Limit

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

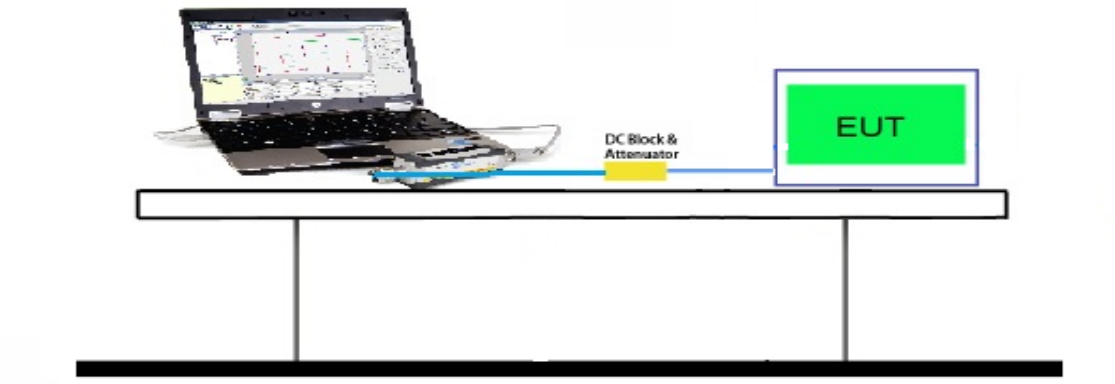
7.4.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.4.3. Test Setting

Average power measurements were perform only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.4.4. Test Setup



7.4.5. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

N_{Tx}	a	MCS Index for 802.11n	Data Rate (Mbps)			
			20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
2	6	8	13.0	14.4	27.0	30.0
2	9	9	26.0	28.9	54.0	60.0
2	12	10	39.0	43.3	81.0	90.0
2	18	11	52.0	57.8	108.0	120.0
2	24	12	78.0	86.7	162.0	180.0
2	36	13	104.0	115.6	216.0	240.0
2	48	14	117.0	130.0	243.0	270.0
2	54	15	130.0	144.0	270.0	300.0

N_{Tx}	MCS Index for 802.11ac	Data Rate (Mbps)					
		20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI	800ns GI	400ns GI
2	10	13.0	14.4	27.0	30.0	58.6	65.0
2	11	26.0	28.8	54.0	60.0	117.0	130.0
2	12	39.0	43.4	81.0	90.0	175.6	195.0
2	13	52.0	57.8	108.0	120.0	234.0	260.0
2	14	78.0	86.6	162.0	180.0	351.0	390.0
2	15	104.0	115.6	216.0	240.0	468.0	520.0
2	16	117.0	130.0	243.0	270.0	526.6	585.0
2	17	130.0	144.4	270.0	300.0	585.0	650.0
2	18	156.0	173.4	324.0	360.0	702.0	780.0
2	19	--	--	360.0	400.0	780.0	866.6

Note: Power output test was verified over all data rates of each mode shown as above, and then choose the maximum power output (yellow marker) for final test of each channel.

Output power at various data rates for Ant 0 /Ant 0 + 1:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	RMS Power (dBm)
802.11a	20	60	5180	6	12.37
				24	12.12
				54	11.89
802.11n	20	60	5180	13	12.37
				78	11.74
				130	11.45
802.11n	40	62	5190	27	9.75
				162	9.23
				270	8.78
802.11ac	20	60	5180	13	10.38
				78	9.96
				156	9.17
802.11ac	40	62	5190	27	7.75
				162	7.22
				360	6.81
802.11ac	80	58	5210	58.6	6.50
				351	6.02
				780	5.73

Test Mode	N_{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	2	6	36	5180	12.37	13.64	16.06	≤30.00	Pass
11a	2	6	44	5220	14.36	15.57	18.02	≤30.00	Pass
11a	2	6	48	5240	13.79	15.70	17.86	≤30.00	Pass
11a	2	6	149	5745	13.45	14.73	17.15	≤30.00	Pass
11a	2	6	157	5785	14.77	14.65	17.72	≤30.00	Pass
11a	2	6	165	5825	15.35	14.99	18.18	≤30.00	Pass
11n-HT20	2	13	36	5180	12.37	13.39	15.92	≤30.00	Pass
11n-HT20	2	13	44	5220	14.06	15.74	17.99	≤30.00	Pass
11n-HT20	2	13	48	5240	13.59	15.71	17.79	≤30.00	Pass
11n-HT20	2	13	149	5745	14.44	15.42	17.97	≤30.00	Pass
11n-HT20	2	13	157	5785	15.30	15.53	18.43	≤30.00	Pass
11n-HT20	2	13	165	5825	15.41	15.62	18.53	≤30.00	Pass
11n-HT40	2	27	38	5190	9.75	10.69	13.26	≤30.00	Pass
11n-HT40	2	27	46	5230	12.84	14.68	16.87	≤30.00	Pass
11n-HT40	2	27	151	5755	13.88	14.02	16.96	≤30.00	Pass
11n-HT40	2	27	159	5795	14.62	14.65	17.65	≤30.00	Pass
11ac-VHT20	2	13	36	5180	10.38	11.60	14.04	≤30.00	Pass
11ac-VHT20	2	13	44	5220	13.03	13.97	16.54	≤30.00	Pass
11ac-VHT20	2	13	48	5240	12.27	13.73	16.07	≤30.00	Pass
11ac-VHT20	2	13	149	5745	13.45	13.73	16.60	≤30.00	Pass
11ac-VHT20	2	13	157	5785	14.08	14.15	17.13	≤30.00	Pass
11ac-VHT20	2	13	165	5825	14.12	14.26	17.20	≤30.00	Pass
11ac-VHT40	2	27	38	5190	7.75	8.49	11.15	≤30.00	Pass
11ac-VHT40	2	27	46	5230	11.34	13.14	15.34	≤30.00	Pass
11ac-VHT40	2	27	151	5755	12.99	13.20	16.11	≤30.00	Pass
11ac-VHT40	2	27	159	5795	13.12	13.31	16.23	≤30.00	Pass
11ac-VHT80	2	58.6	42	5210	6.50	7.45	10.01	≤30.00	Pass
11ac-VHT80	2	58.6	155	5775	12.74	12.46	15.61	≤30.00	Pass

Note: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)}+10^{(\text{Ant 1 Average Power }/10)}\}$.

7.5. Transmit Power Control

7.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

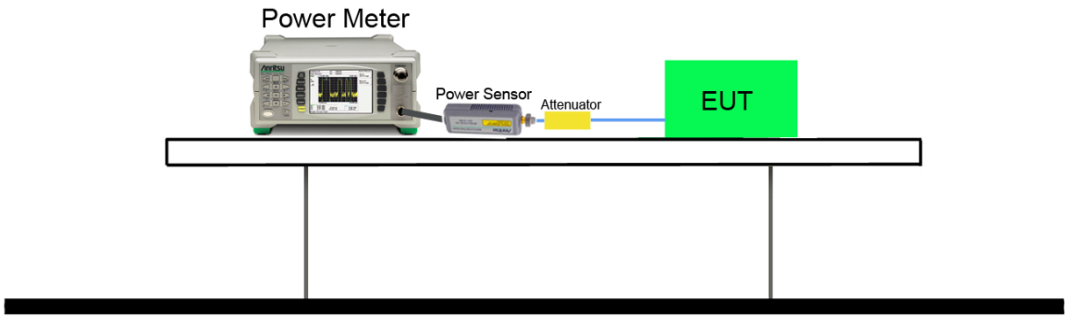
7.5.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

7.5.3. Test Setting

Average power measurements were perform only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4. Test Setup



7.5.5. Test Result

The device operting in the 5150 ~ 5250MHz & 5725 ~ 5850MHz band shall not employ the TPC mechanism, so not assessed this test.

7.6. Power Spectral Density Measurement

7.6.1. Test Limit

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

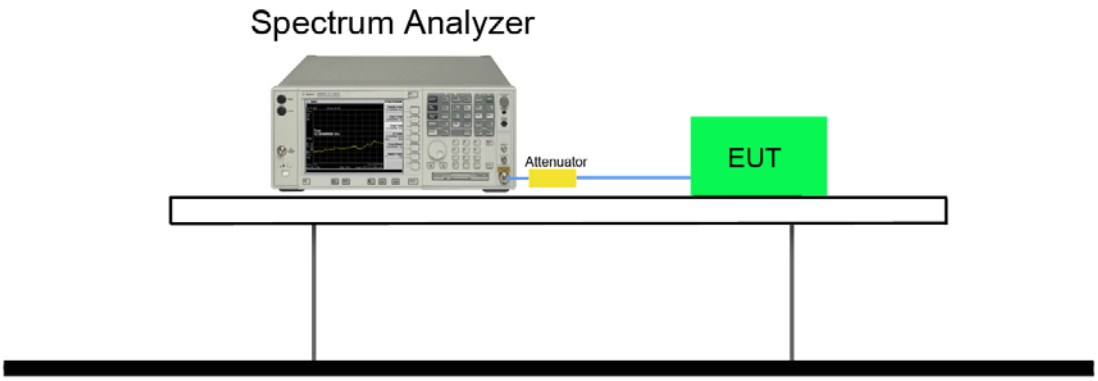
7.6.2. Test Procedure Used

KDB 789033 D02v01 - Section F

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 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 100 kHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (RMS)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor 10*log(500kHz/100kHz) = 7 dB to the measured result

7.6.4. Test Setup



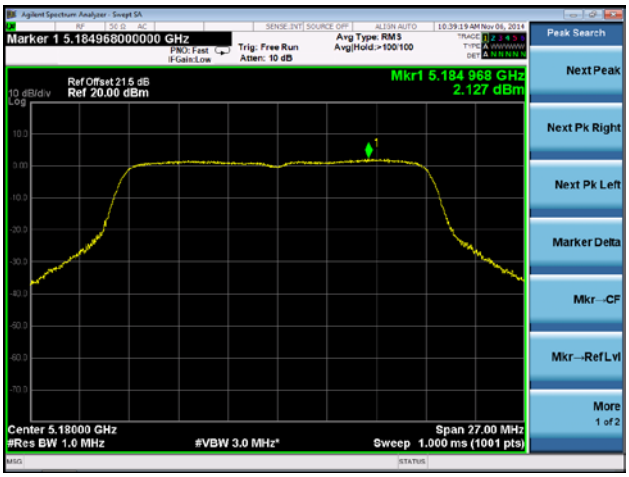
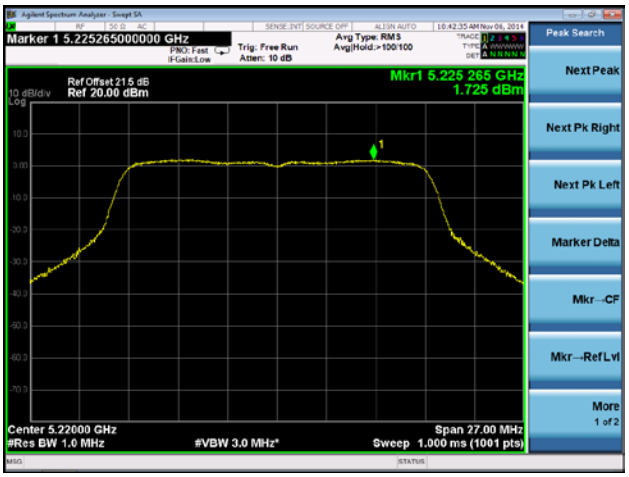
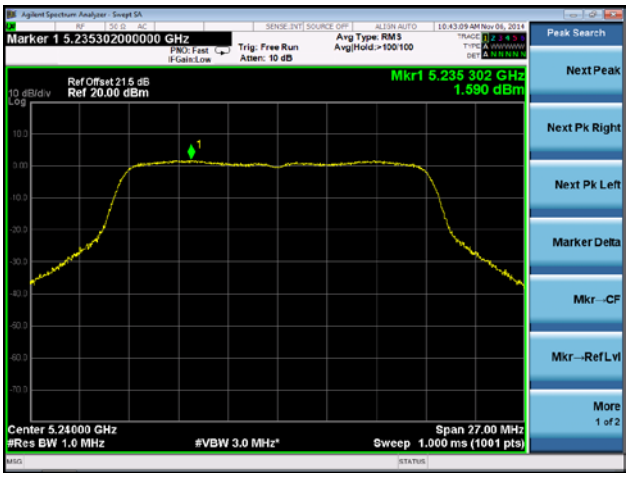
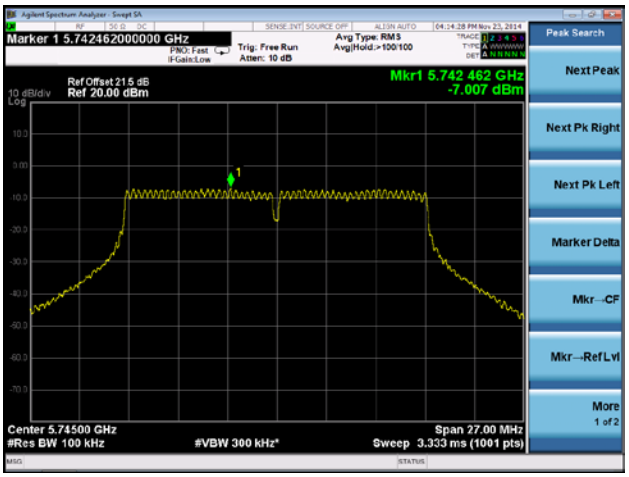
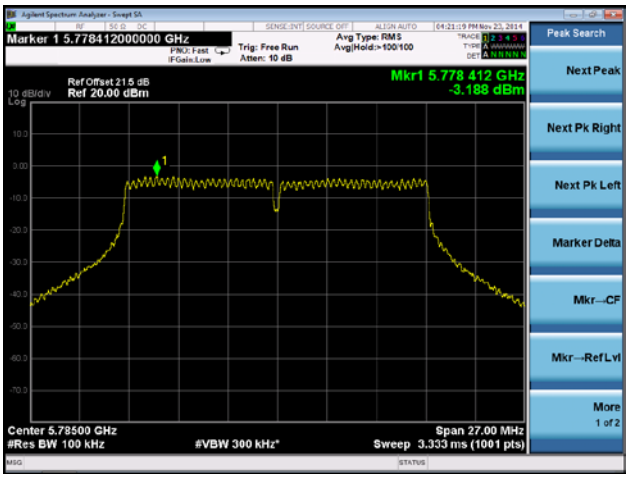
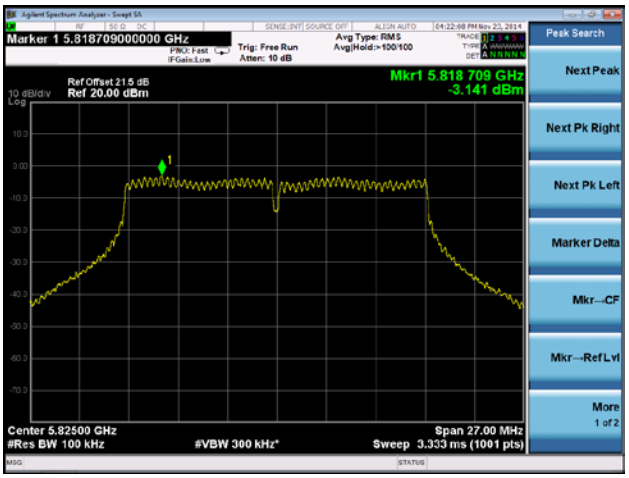
7.6.5. Test Result

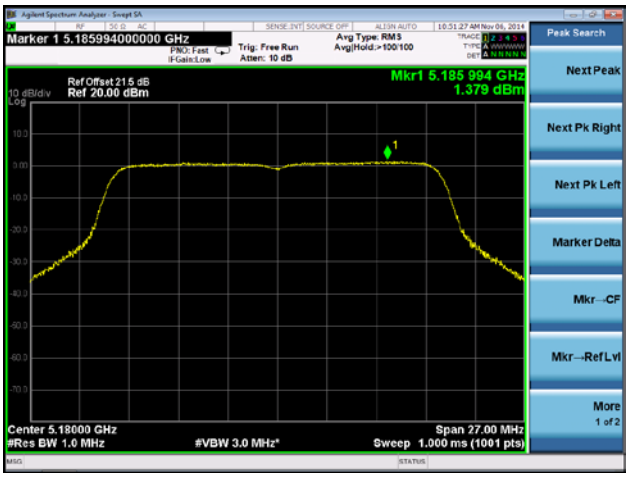
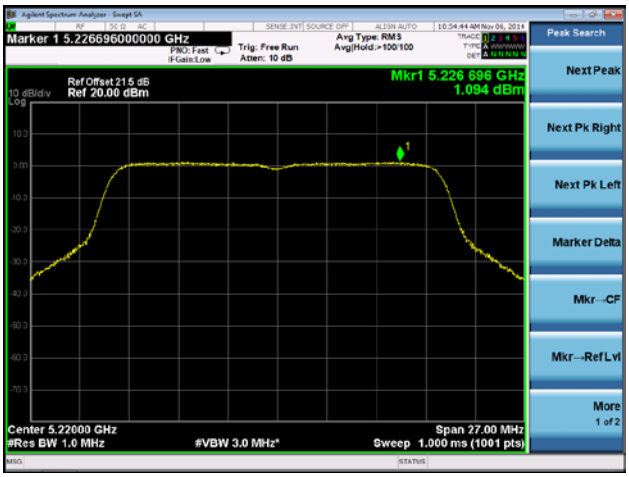
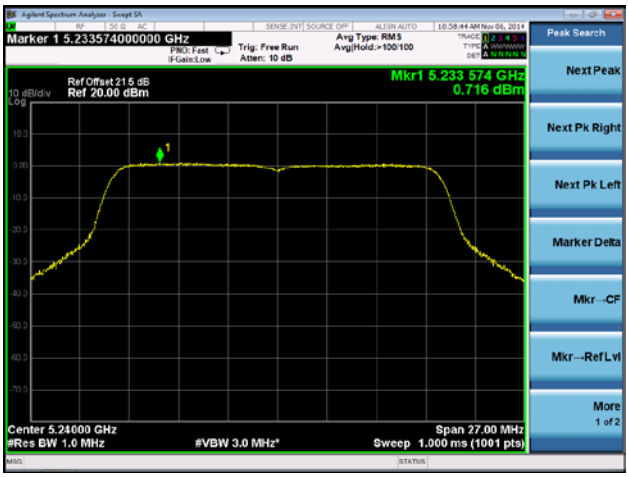
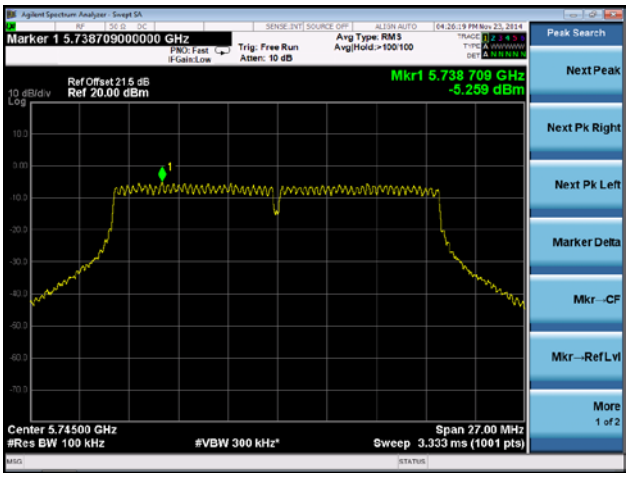
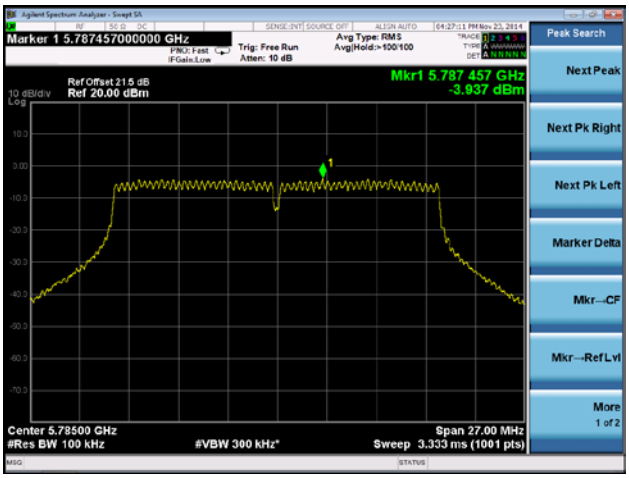
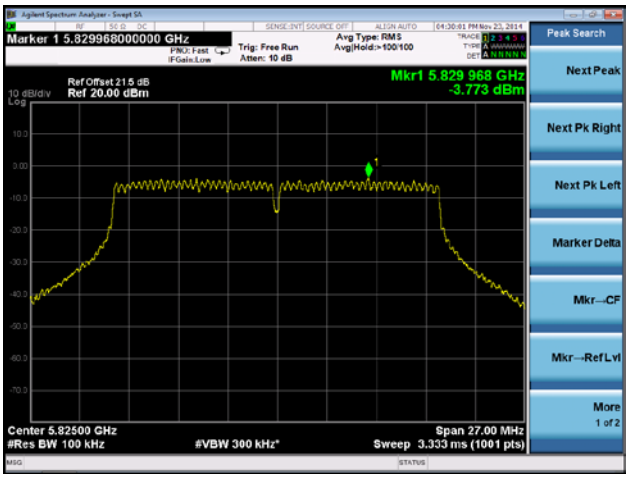
Test Mode	N_{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Duty Cycle (%)	Total PSD (dBm)	Limit (dBm /MHz)	Result
11a	2	6	36	5180	2.127	3.811	93.3	6.362	≤17.00	Pass
11a	2	6	44	5220	1.725	2.901	93.3	5.664	≤17.00	Pass
11a	2	6	48	5240	1.590	3.232	93.3	5.800	≤17.00	Pass
11n-HT20	2	13	36	5180	1.379	2.949	89.5	5.727	≤17.00	Pass
11n-HT20	2	13	44	5220	1.094	2.485	89.5	5.337	≤17.00	Pass
11n-HT20	2	13	48	5240	0.716	2.674	89.5	5.296	≤17.00	Pass
11n-HT40	2	27	38	5190	-5.827	-4.881	84.8	-1.602	≤17.00	Pass
11n-HT40	2	27	46	5230	-2.539	-1.315	84.8	1.842	≤17.00	Pass
11ac-VHT20	2	13	36	5180	-2.352	-0.297	84.8	2.522	≤17.00	Pass
11ac-VHT20	2	13	44	5220	0.480	1.263	84.8	4.615	≤17.00	Pass
11ac-VHT20	2	13	48	5240	-0.115	1.360	84.8	4.411	≤17.00	Pass
11ac-VHT40	2	27	38	5190	-7.552	-6.223	78.6	-2.781	≤17.00	Pass
11ac-VHT40	2	27	46	5230	-3.567	-2.262	78.6	1.190	≤17.00	Pass
11ac-VHT80	2	58.6	42	5210	-12.222	-10.366	74.5	-6.907	≤17.00	Pass

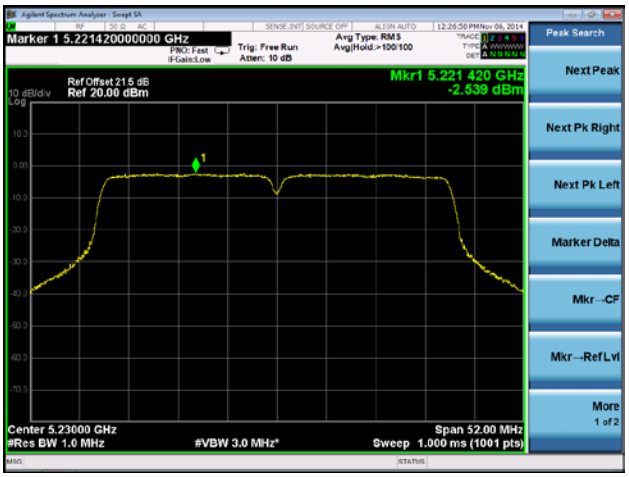
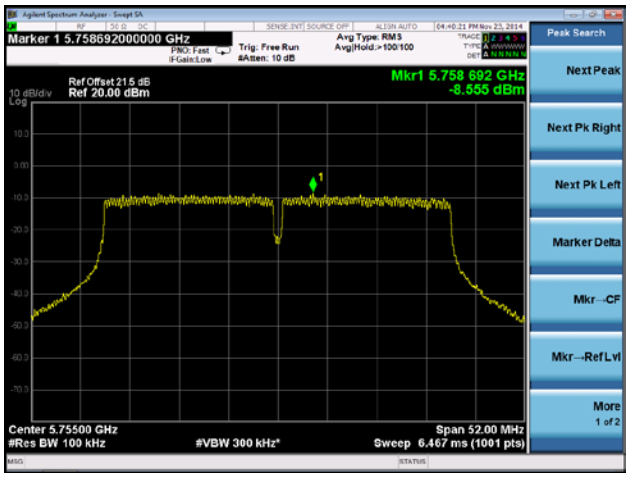
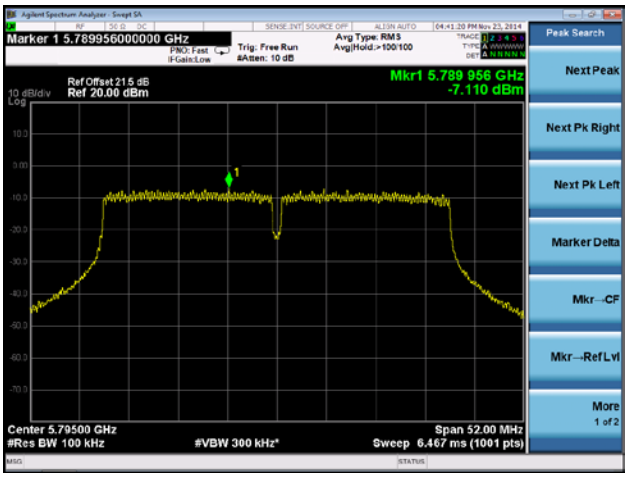
Note: When EUT duty cycle < 98%, the total PSD = $10*\log\{10^{(\text{Ant 0 PSD}/10)}+10^{(\text{Ant 1 PSD}/10)}\} + 10*\log(1/\text{duty cycle})$

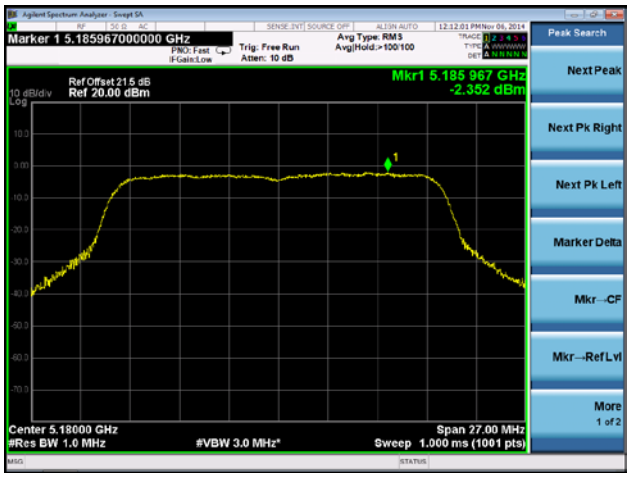
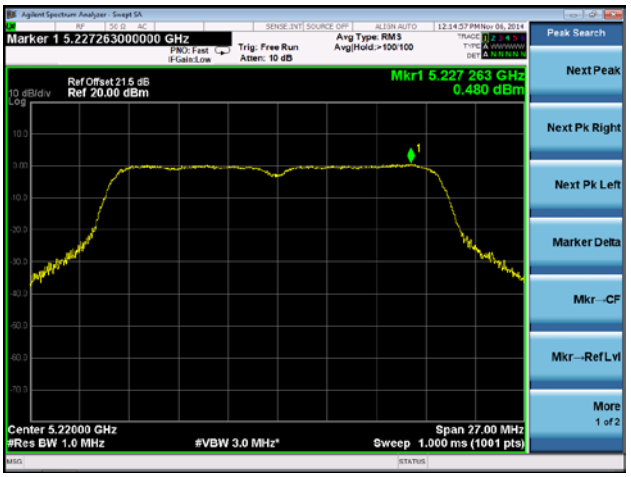
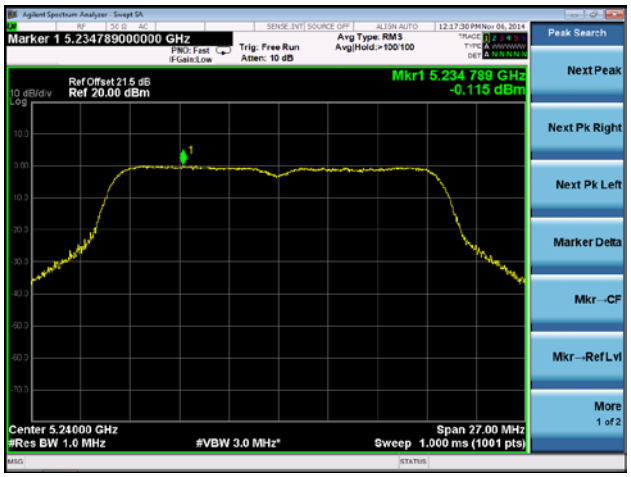
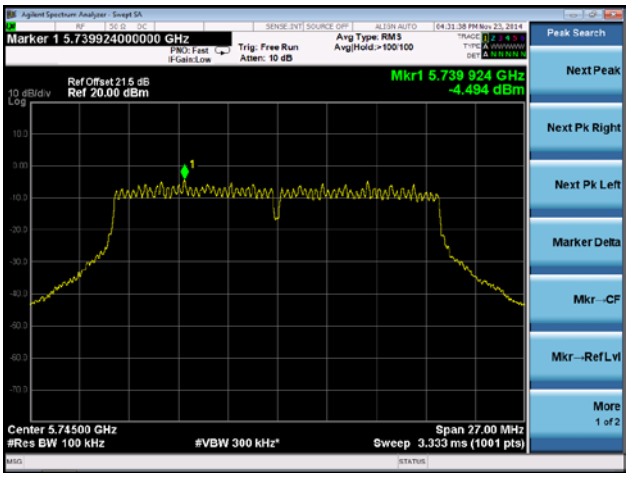
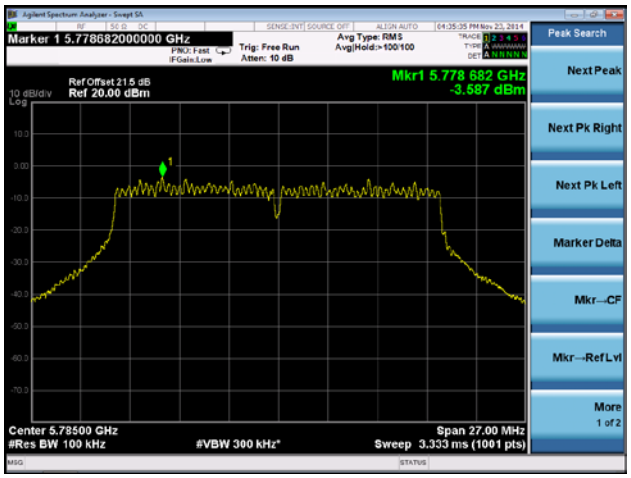
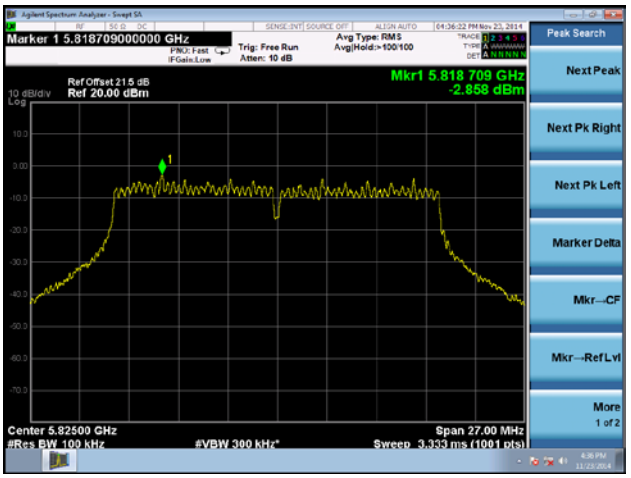
Test Mode	N_{Tx}	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Duty Cycle (%)	Constant Factor	Total PSD (dBm)	Limit (dBm/ 500kHz)	Result
11a	2	6	149	5745	-7.007	-6.154	93.3	7	3.752	≤30.00	Pass
11a	2	6	157	5785	-3.188	-6.472	93.3	7	5.785	≤30.00	Pass
11a	2	6	165	5825	-3.141	-4.494	93.3	7	6.546	≤30.00	Pass
11n-HT20	2	13	149	5745	-5.259	-5.550	89.5	7	5.090	≤30.00	Pass
11n-HT20	2	13	157	5785	-3.937	-5.157	89.5	7	5.988	≤30.00	Pass
11n-HT20	2	13	165	5825	-3.773	-5.190	89.5	7	6.068	≤30.00	Pass
11n-HT40	2	27	151	5755	-8.555	-11.873	84.8	7	0.822	≤30.00	Pass
11n-HT40	2	27	159	5795	-7.110	-8.725	84.8	7	2.883	≤30.00	Pass
11ac-VHT20	2	13	149	5745	-4.494	-5.096	84.8	7	5.942	≤30.00	Pass
11ac-VHT20	2	13	157	5785	-3.587	-4.990	84.8	7	6.494	≤30.00	Pass
11ac-VHT20	2	13	165	5825	-2.858	-7.845	84.8	7	6.054	≤30.00	Pass
11ac-VHT40	2	27	151	5755	-7.645	-8.343	78.6	7	3.076	≤30.00	Pass
11ac-VHT40	2	27	159	5795	-6.584	-4.142	78.6	7	5.862	≤30.00	Pass
11ac-VHT80	2	58.6	155	5775	-9.363	-10.776	74.5	7	1.276	≤30.00	Pass

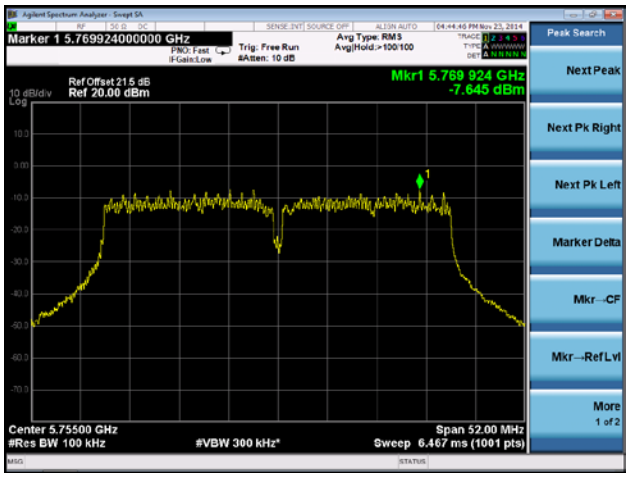
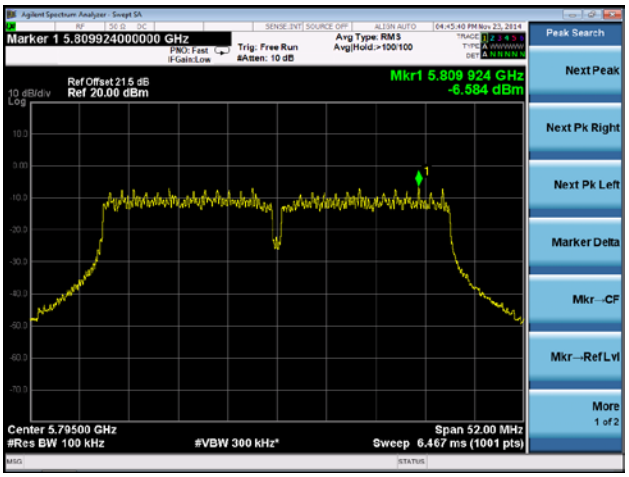
Note: When EUT duty cycle < 98%, the total PSD = $10*\log\{10^{(\text{Ant 0 PSD}/10)}+10^{(\text{Ant 1 PSD}/10)}\}$ + 10*log(1/duty cycle) + Constant Factor.

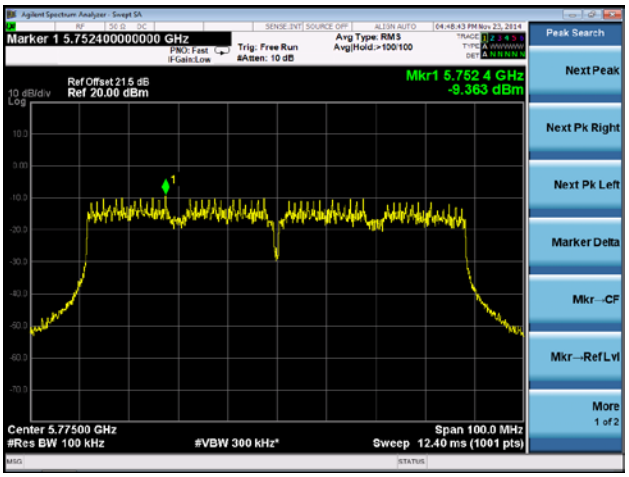
802.11a Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

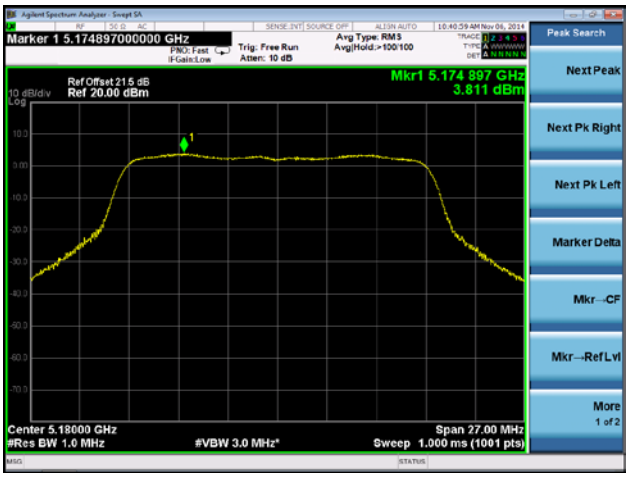
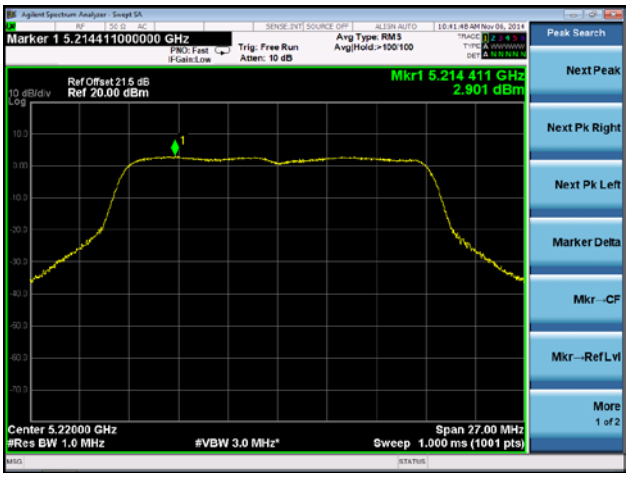
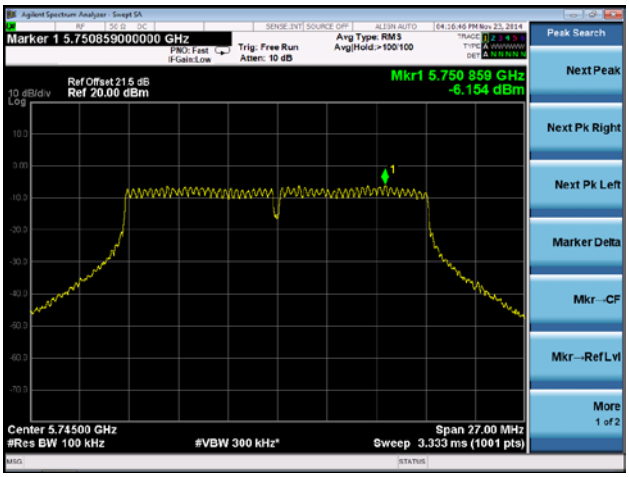
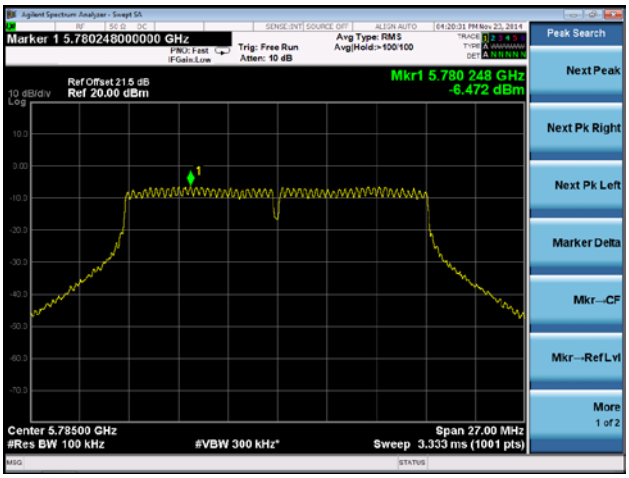
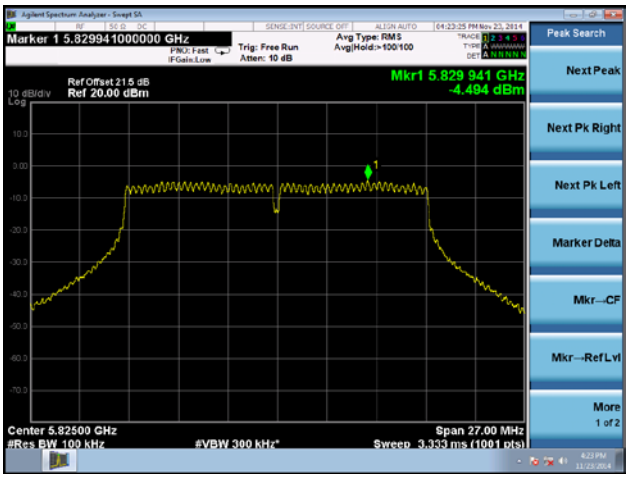
802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

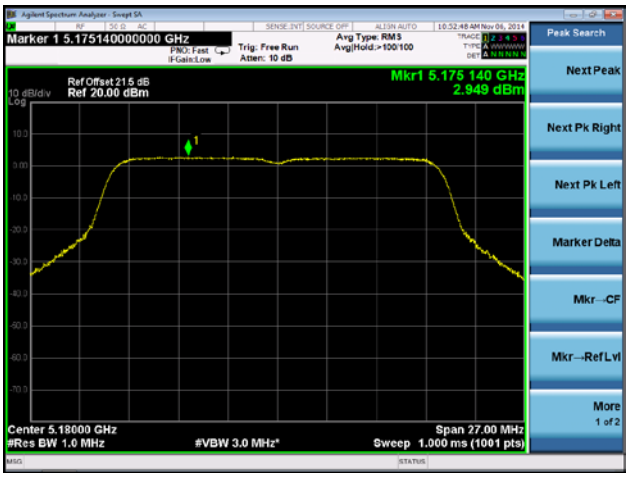
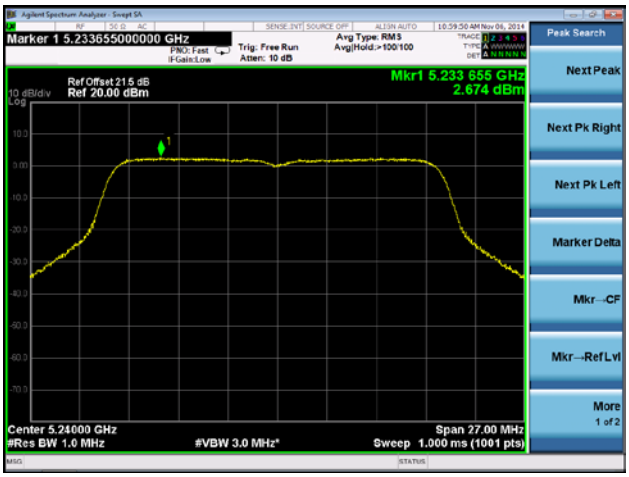
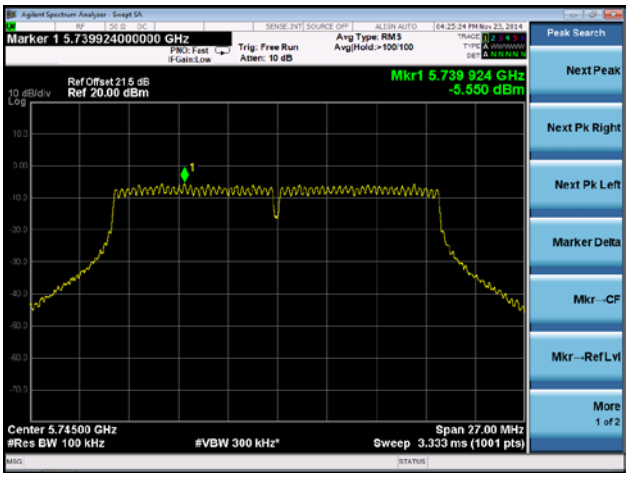
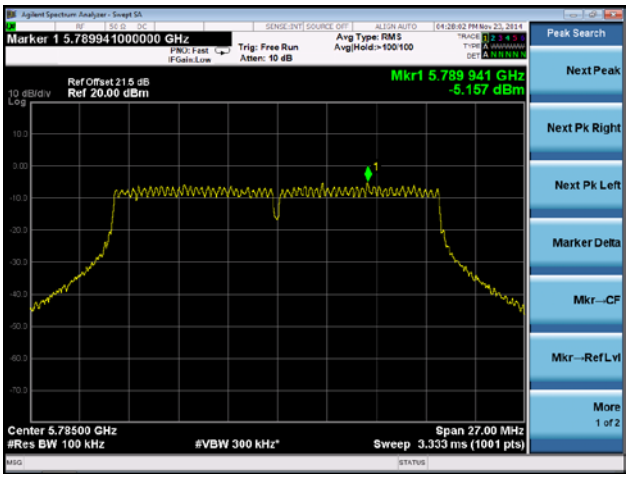
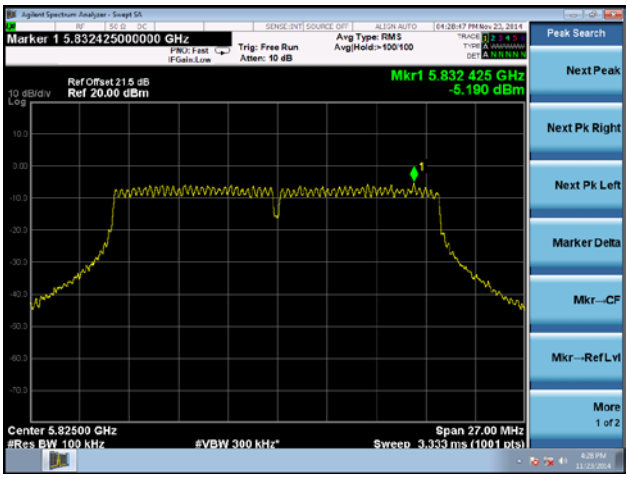
802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
	
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

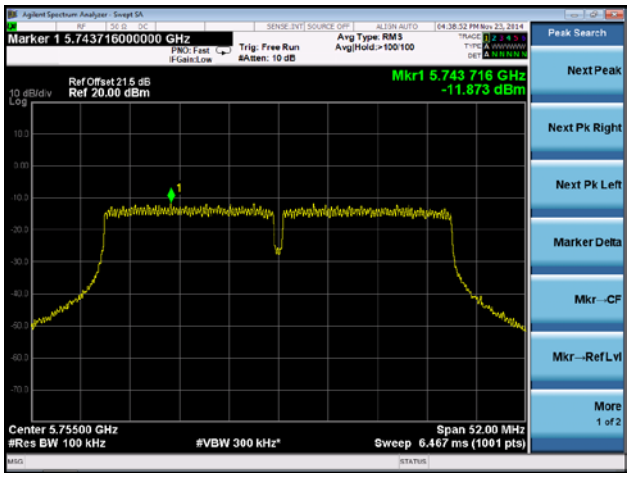
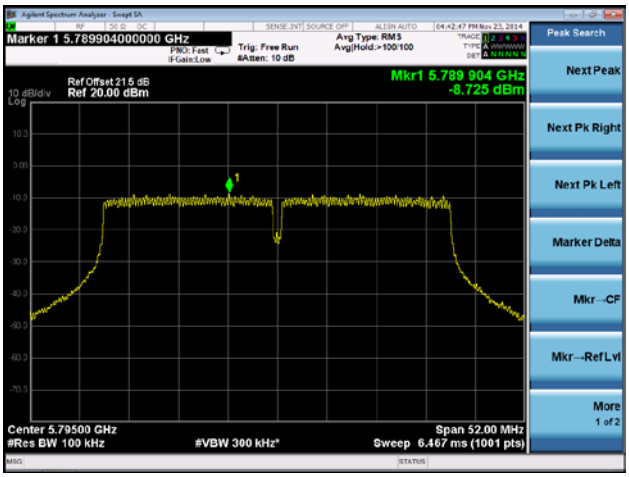
802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

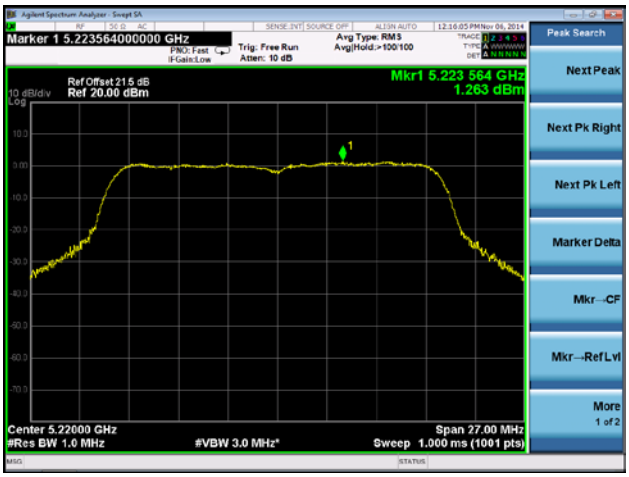
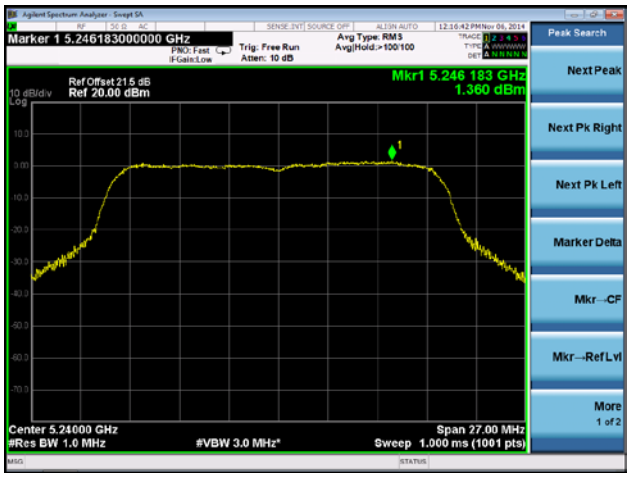
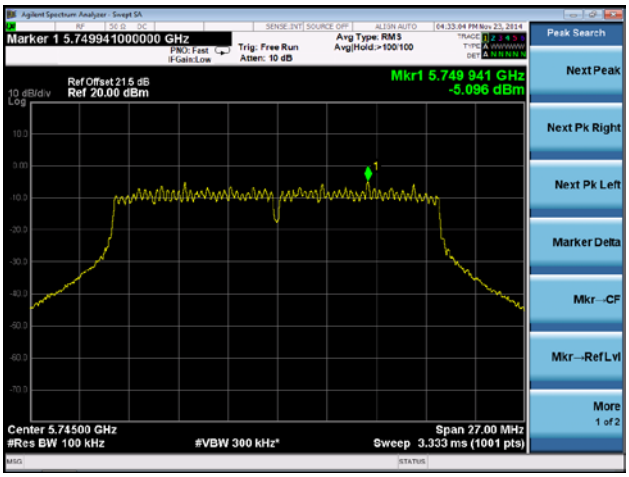
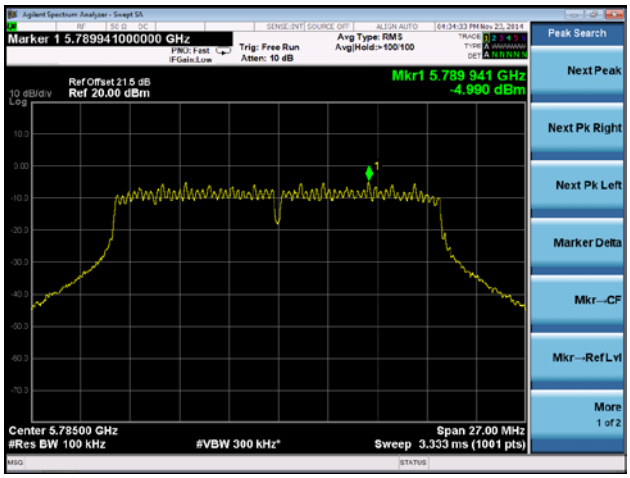
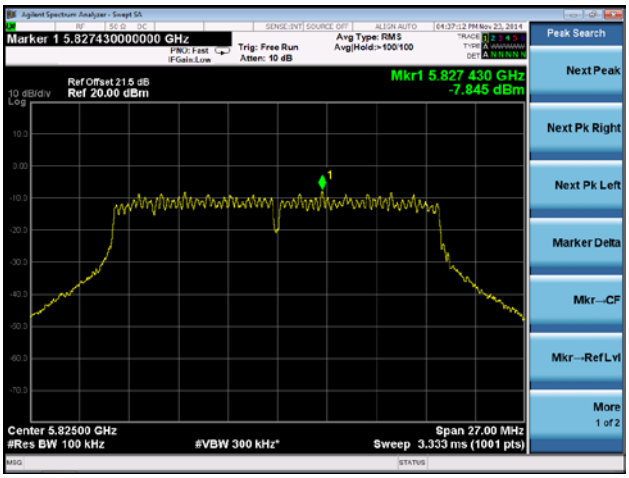
802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

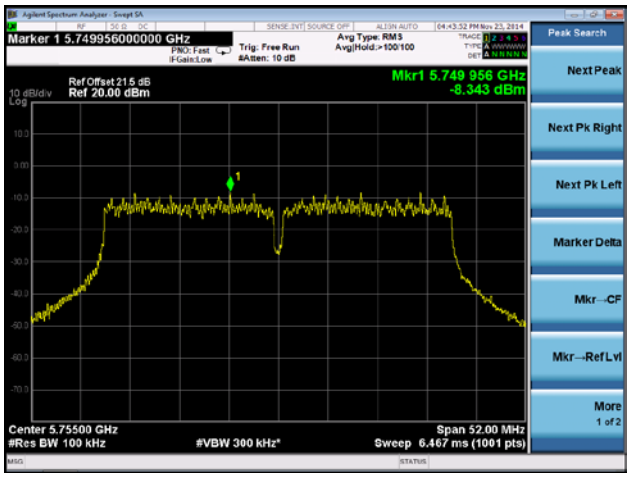
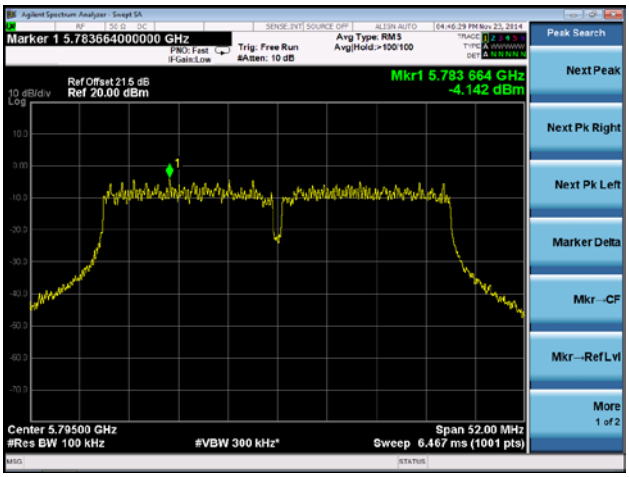
802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1	
Channel 42 (5210MHz)	**Channel 155 (5775MHz)**
	

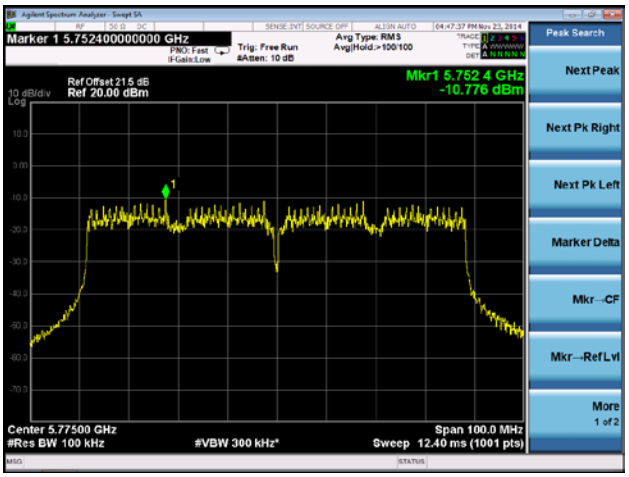
802.11a Power Spectral Density - Ant 1 / Ant 0 + 1	
Channel 36 (5180MHz)	**Channel 44 (5220MHz)**
	
Channel 48 (5240MHz)	**Channel 149 (5745MHz)**
	
Channel 157 (5785MHz)	**Channel 165 (5825MHz)**
	

802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1	
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 1 / Ant 0 + 1	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1	
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 1 / Ant 0 + 1	
Channel 38 (5190MHz)	**Channel 46 (5230MHz)**
Channel 151 (5755MHz)	**Channel 159 (5795MHz)**
	

802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1	
Channel 42 (5210MHz)	**Channel 155 (5755MHz)**
	

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:

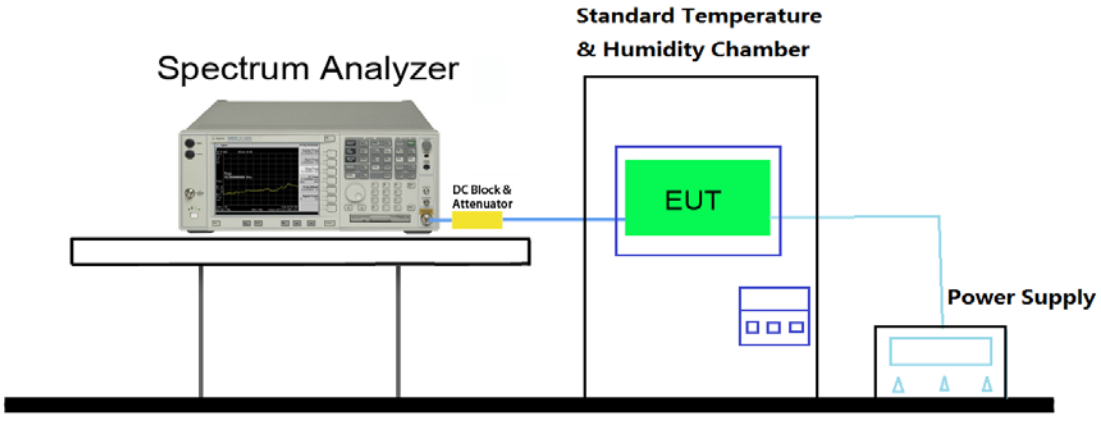
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±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)	5220024326.326	24326.326	0.0004660
			5784989329.877	-10670.123	-0.0001844
		- 30	5220022123.987	22123.987	0.0004238
			5785036309.821	36309.821	0.0006277
		- 20	5220042090.391	42090.391	0.0008063
			5785027891.323	27891.323	0.0004821
		- 10	5220098723.275	98723.275	0.0018913
			5785039802.178	39802.178	0.0006880
		0	5220010289.632	10289.632	0.0001971
			5785039872.281	39872.281	0.0006892
		+ 10	5220007382.732	7382.732	0.0001414
			5784984621.321	-15378.679	-0.0002658
		+ 20	5220026943.832	26943.832	0.0005162
			5784979743.237	-20256.763	-0.0003502
		+ 30	5219983521.567	-16478.433	-0.0003157
			5785019823.597	19823.597	0.0003427
		+ 40	5220001958.941	1958.941	0.0000375
			5785087372.643	87372.643	0.0015103
		+ 50	5219976432.784	-23567.216	-0.0004515
			5785027618.286	27618.286	0.0004774
115%	138	+ 20	5220019054.121	19054.121	0.0003650
			5784990472.067	-9527.933	-0.0001647
85%	102	+ 20	5219998321.754	-1678.246	-0.0000322
			5784990261.025	-9738.975	-0.0001683

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 [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 D02v01 - 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

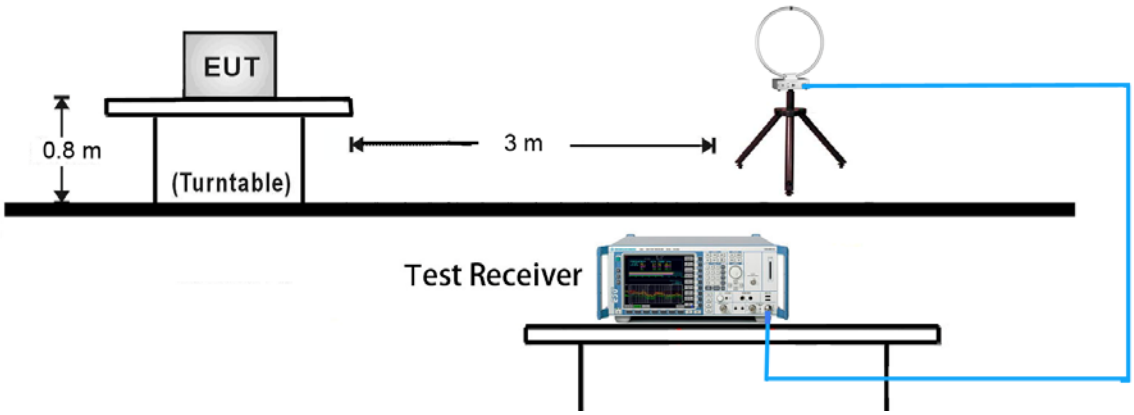
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

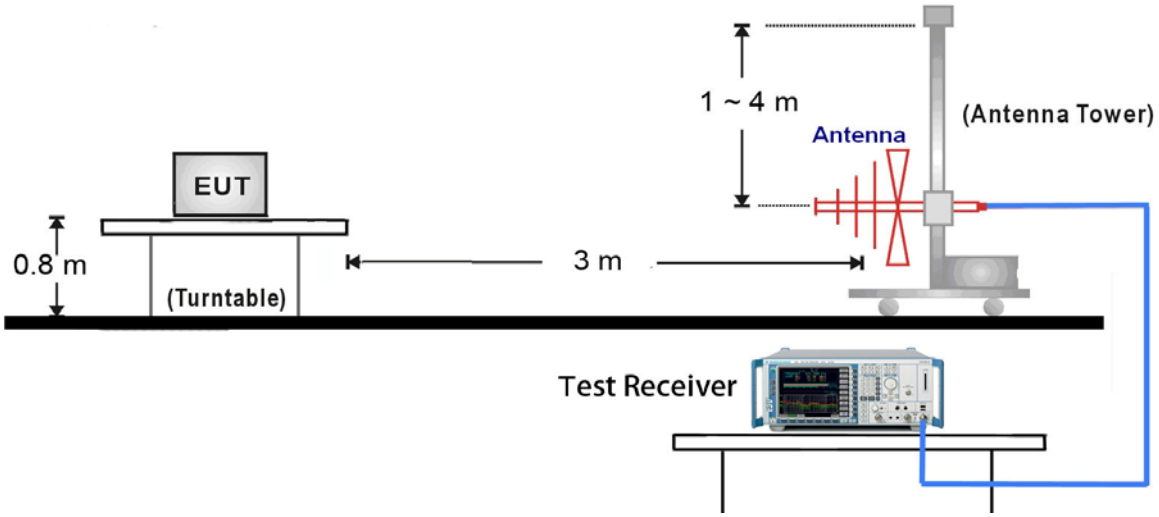
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.8.4. Test Setup

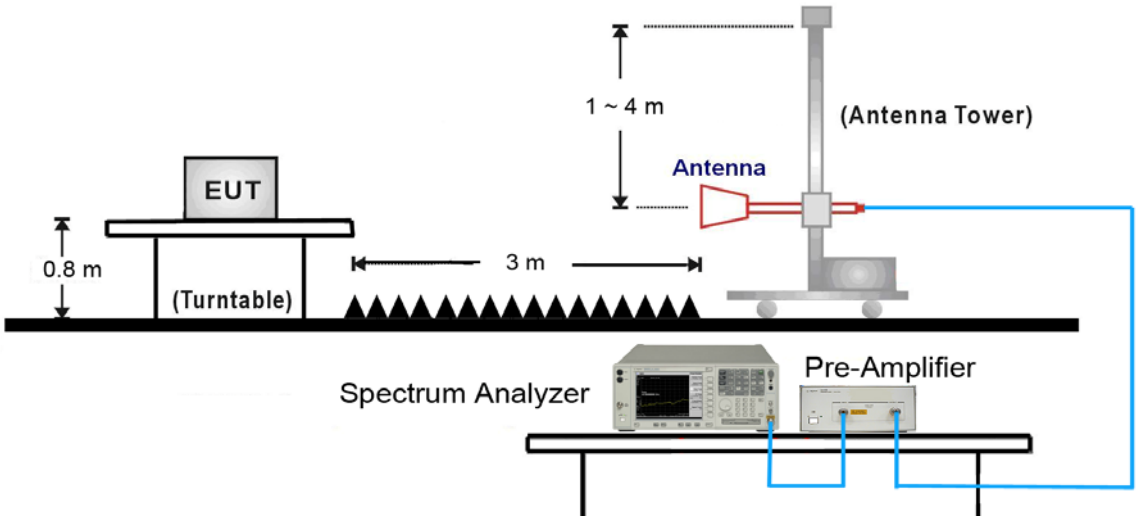
9kHz ~ 30MHz Test Setup:



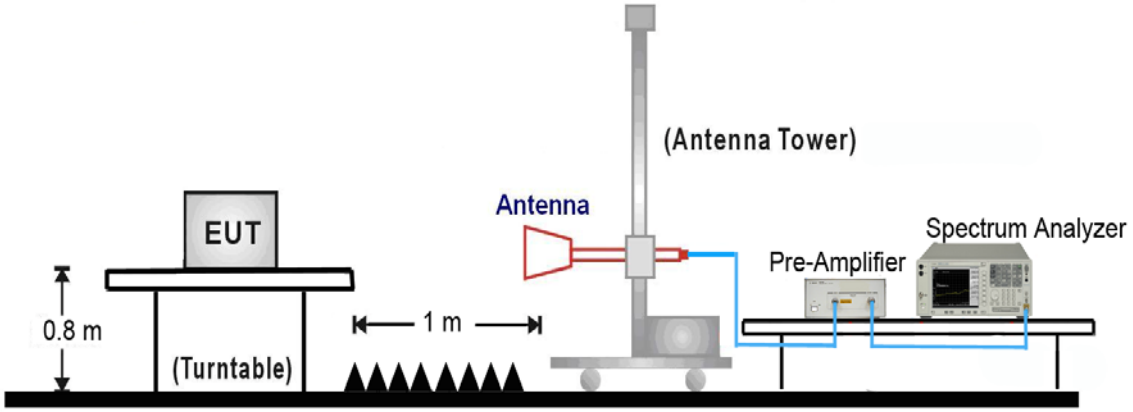
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.8.5. Test Result

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
*	7142.6	35.1	13.5	48.6	88.2	-39.6	Peak	Horizontal
*	7825.6	34.8	15.1	49.8	88.2	-38.4	Peak	Horizontal
	8314.7	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	9102.7	36.8	14.6	51.4	74.0	-22.6	Peak	Horizontal
*	7148.7	35.1	13.5	48.6	88.2	-39.6	Peak	Vertical
*	7845.7	34.2	15.1	49.2	88.2	-39.0	Peak	Vertical
	8214.8	35.2	14.6	49.7	74.0	-24.3	Peak	Vertical
	9142.7	36.1	15.2	51.3	74.0	-22.7	Peak	Vertical

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

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
*	7147.6	35.4	13.5	48.9	88.2	-39.3	Peak	Horizontal
*	7842.7	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
	8214.7	35.0	14.6	49.6	74.0	-24.4	Peak	Horizontal
	9412.0	36.7	15.5	52.1	74.0	-21.9	Peak	Horizontal
*	7123.0	36.0	13.5	49.4	88.2	-38.8	Peak	Vertical
*	7841.3	34.1	15.1	49.2	88.2	-39.0	Peak	Vertical
	8202.3	35.0	14.6	49.7	74.0	-24.3	Peak	Vertical
	9144.2	36.0	15.2	51.2	74.0	-22.8	Peak	Vertical

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

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
*	7143.7	34.9	13.5	48.4	88.2	-39.8	Peak	Horizontal
*	7812.7	35.5	15.0	50.6	88.2	-37.6	Peak	Horizontal
	8248.0	35.2	14.5	49.7	74.0	-24.3	Peak	Horizontal
	9143.6	36.8	15.2	52.0	74.0	-22.0	Peak	Horizontal
*	7149.0	35.3	13.5	48.8	88.2	-39.4	Peak	Vertical
*	7846.7	34.4	15.1	49.4	88.2	-38.8	Peak	Vertical
	8253.6	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	9146.4	36.6	15.3	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 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 of 68.2dBμV/m.

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
*	7145.7	35.1	13.5	48.6	88.2	-39.6	Peak	Horizontal
*	7821.2	35.3	15.0	50.3	88.2	-37.9	Peak	Horizontal
	9173.7	35.7	15.3	51.0	74.0	-23.0	Peak	Horizontal
	11489.0	42.4	19.4	61.8	74.0	-12.2	Peak	Horizontal
*	11490.8	32.0	19.4	51.4	54.0	-2.6	Peak	Vertical
*	7147.9	35.3	13.5	48.8	88.2	-39.4	Peak	Vertical
	7947.5	35.2	15.1	50.3	88.2	-37.9	Peak	Vertical
	9147.7	36.6	15.3	51.9	74.0	-22.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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
*	7172.7	36.0	13.6	49.6	88.2	-38.6	Peak	Horizontal
*	7842.5	35.2	15.1	50.3	88.2	-37.9	Peak	Horizontal
	9324.7	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
	11565.5	43.0	19.4	62.4	74.0	-11.6	Peak	Horizontal
*	11571.1	32.7	19.4	52.1	54.0	-1.9	Peak	Vertical
*	7142.7	35.2	13.5	48.8	88.2	-39.4	Peak	Vertical
	7925.2	34.6	15.1	49.7	88.2	-38.5	Peak	Vertical
	8201.4	35.2	14.6	49.8	74.0	-24.2	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 of 68.2dBμV/m.

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
*	7149.9	35.9	13.5	49.4	88.2	-38.8	Peak	Horizontal
*	7815.7	35.1	15.0	50.2	88.2	-38.0	Peak	Horizontal
	9179.0	36.1	15.3	51.4	74.0	-22.6	Peak	Horizontal
	11642.0	43.0	19.4	62.4	74.0	-11.6	Peak	Horizontal
*	11650.9	32.3	19.4	51.7	54.0	-2.3	Peak	Vertical
*	7146.7	34.8	13.5	48.4	88.2	-39.8	Peak	Vertical
	7855.5	34.7	15.1	49.7	88.2	-38.5	Peak	Vertical
	8142.7	35.6	15.0	50.6	74.0	-23.4	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 of 68.2dBμV/m.

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
*	7145.7	36.3	13.5	49.8	88.2	-38.4	Peak	Horizontal
*	7846.4	34.8	15.1	49.9	88.2	-38.3	Peak	Horizontal
	9143.7	36.0	15.2	51.2	74.0	-22.8	Peak	Horizontal
	9472.5	35.9	15.4	51.3	74.0	-22.7	Peak	Horizontal
*	7426.4	35.5	14.2	49.7	88.2	-38.5	Peak	Vertical
*	7842.7	34.3	15.1	49.3	88.2	-38.9	Peak	Vertical
	9142.5	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9442.7	36.1	15.5	51.6	74.0	-22.4	Peak	Vertical

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

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
*	7146.6	35.7	13.5	49.2	88.2	-39.0	Peak	Horizontal
*	7846.4	34.8	15.1	49.9	88.2	-38.3	Peak	Horizontal
	8426.5	35.3	14.6	49.8	74.0	-24.2	Peak	Horizontal
	9146.4	35.8	15.3	51.0	74.0	-23.0	Peak	Horizontal
*	7145.7	34.7	13.5	48.3	88.2	-39.9	Peak	Vertical
*	7846.4	34.1	15.1	49.2	88.2	-39.0	Peak	Vertical
	8153.7	35.5	14.9	50.4	74.0	-23.6	Peak	Vertical
	9452.7	35.7	15.5	51.2	74.0	-22.8	Peak	Vertical

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

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
*	7145.7	34.9	13.5	48.4	88.2	-39.8	Peak	Horizontal
*	7856.4	35.9	15.1	50.9	88.2	-37.3	Peak	Horizontal
	8148.0	35.0	14.9	50.0	74.0	-24.0	Peak	Horizontal
	9472.4	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
*	7145.4	35.3	13.5	48.8	88.2	-39.4	Peak	Vertical
*	7985.2	35.5	15.0	50.5	88.2	-37.7	Peak	Vertical
	8147.6	35.4	15.0	50.3	74.0	-23.7	Peak	Vertical
	9147.6	36.4	15.3	51.6	74.0	-22.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 68.2dBμV/m.

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
*	7146.6	35.0	13.5	48.6	88.2	-39.6	Peak	Horizontal
*	7842.4	34.1	15.1	49.1	88.2	-39.1	Peak	Horizontal
	9145.4	36.3	15.2	51.6	74.0	-22.4	Peak	Horizontal
	11489.0	38.7	19.4	58.1	74.0	-15.9	Peak	Horizontal
*	11490.9	26.9	19.4	46.3	54.0	-7.7	Peak	Vertical
*	7145.4	35.2	13.5	48.8	88.2	-39.4	Peak	Vertical
	7842.4	34.5	15.1	49.6	88.2	-38.6	Peak	Vertical
	9145.7	36.7	15.2	52.0	74.0	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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
*	7126.5	35.9	13.5	49.4	88.2	-38.8	Peak	Horizontal
*	7849.4	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
	8654.5	35.5	14.8	50.3	74.0	-23.7	Peak	Horizontal
	11490.7	27.0	19.4	46.4	54.0	-7.6	Peak	Horizontal
*	11497.5	39.0	19.4	58.4	74.0	-15.6	Peak	Vertical
*	7147.7	36.3	13.5	49.8	88.2	-38.4	Peak	Vertical
	7894.3	34.6	15.0	49.6	88.2	-38.6	Peak	Vertical
	9153.3	35.9	15.3	51.2	74.0	-22.8	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 of 68.2dBμV/m.

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
*	7149.4	35.3	13.5	48.9	88.2	-39.3	Peak	Horizontal
*	7842.3	34.6	15.1	49.7	88.2	-38.5	Peak	Horizontal
	9165.4	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
	11650.5	42.6	19.4	62.0	74.0	-12.0	Peak	Horizontal
*	11651.0	28.7	19.4	48.1	54.0	-5.9	Peak	Vertical
*	7259.7	35.2	13.9	49.0	88.2	-39.2	Peak	Vertical
	7825.4	34.2	15.1	49.3	88.2	-38.9	Peak	Vertical
	8642.7	35.3	14.8	50.2	74.0	-23.8	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 of 68.2dBμV/m.

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
*	7148.8	36.2	13.5	49.7	88.2	-38.5	Peak	Horizontal
*	7852.4	34.0	15.1	49.1	88.2	-39.1	Peak	Horizontal
	8436.5	34.5	14.6	49.0	74.0	-25.0	Peak	Horizontal
	9457.6	36.4	15.4	51.9	74.0	-22.1	Peak	Horizontal
*	7155.7	35.0	13.6	48.5	88.2	-39.7	Peak	Vertical
*	7842.3	33.8	15.1	48.9	88.2	-39.3	Peak	Vertical
	9144.6	35.2	15.2	50.5	74.0	-23.5	Peak	Vertical
	9447.5	35.7	15.5	51.2	74.0	-22.8	Peak	Vertical

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

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
*	7145.5	34.2	13.5	47.7	88.2	-40.5	Peak	Horizontal
*	7892.4	34.7	15.0	49.7	88.2	-38.5	Peak	Horizontal
	8321.4	35.4	14.4	49.8	74.0	-24.2	Peak	Horizontal
	9452.0	35.4	15.5	50.9	74.0	-23.1	Peak	Horizontal
*	7152.5	34.8	13.6	48.3	88.2	-39.9	Peak	Vertical
*	7849.5	34.5	15.1	49.5	88.2	-38.7	Peak	Vertical
	9175.3	35.8	15.3	51.1	74.0	-22.9	Peak	Vertical
	9482.4	35.3	15.4	50.7	74.0	-23.3	Peak	Vertical

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

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
*	7152.6	34.4	13.6	47.9	88.2	-40.3	Peak	Horizontal
*	7942.6	34.9	15.1	49.9	88.2	-38.3	Peak	Horizontal
	8452.7	34.4	14.5	48.9	74.0	-25.1	Peak	Horizontal
	11510.0	26.6	19.4	46.0	54.0	-8.0	Peak	Horizontal
*	11514.5	40.1	19.4	59.5	74.0	-14.5	Peak	Vertical
*	7152.2	35.3	13.5	48.9	88.2	-39.3	Peak	Vertical
	8647.6	35.7	14.8	50.5	88.2	-37.7	Peak	Vertical
	9124.7	35.6	14.9	50.5	74.0	-23.5	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 of 68.2dBμV/m.

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
*	7145.2	34.8	13.5	48.4	88.2	-39.8	Peak	Horizontal
*	7921.2	34.3	15.1	49.4	88.2	-38.8	Peak	Horizontal
	9142.6	35.4	15.2	50.7	74.0	-23.3	Peak	Horizontal
	11590.0	25.4	19.5	44.8	54.0	-9.2	Peak	Horizontal
*	11591.0	39.2	19.5	58.7	74.0	-15.3	Peak	Vertical
*	7142.0	35.1	13.5	48.6	88.2	-39.6	Peak	Vertical
	7891.4	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
	9142.4	36.8	15.2	52.0	74.0	-22.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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
*	7146.5	35.6	13.5	49.1	88.2	-39.1	Peak	Horizontal
*	7824.4	34.8	15.1	49.9	88.2	-38.3	Peak	Horizontal
	9143.5	35.9	15.2	51.1	74.0	-22.9	Peak	Horizontal
	9475.7	35.5	15.4	50.9	74.0	-23.1	Peak	Horizontal
*	7145.4	35.7	13.5	49.2	88.2	-39.0	Peak	Vertical
*	7846.6	34.6	15.1	49.7	88.2	-38.5	Peak	Vertical
	9146.4	36.7	15.3	51.9	74.0	-22.1	Peak	Vertical
	9472.4	36.1	15.4	51.5	74.0	-22.5	Peak	Vertical

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

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
*	7156.4	35.1	13.6	48.6	88.2	-39.6	Peak	Horizontal
*	7894.3	34.4	15.0	49.4	88.2	-38.8	Peak	Horizontal
	8472.7	34.1	14.6	48.7	74.0	-25.3	Peak	Horizontal
	9426.0	35.5	15.5	51.0	74.0	-23.0	Peak	Horizontal
*	7153.7	34.8	13.6	48.3	88.2	-39.9	Peak	Vertical
*	7892.4	34.9	15.0	49.9	88.2	-38.3	Peak	Vertical
	8156.4	36.3	14.9	51.2	74.0	-22.8	Peak	Vertical
	9473.7	34.6	15.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 68.2dBμV/m.

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
*	7145.6	35.1	13.5	48.7	88.2	-39.5	Peak	Horizontal
*	7914.6	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	9146.6	35.8	15.3	51.1	74.0	-22.9	Peak	Horizontal
	9447.2	35.9	15.5	51.3	74.0	-22.7	Peak	Horizontal
*	7187.4	35.2	13.6	48.8	88.2	-39.4	Peak	Vertical
*	7947.6	35.4	15.1	50.5	88.2	-37.7	Peak	Vertical
	9147.4	35.3	15.3	50.5	74.0	-23.5	Peak	Vertical
	9443.5	36.2	15.5	51.6	74.0	-22.4	Peak	Vertical

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

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
*	7153.7	35.8	13.6	49.3	88.2	-38.9	Peak	Horizontal
*	7846.4	34.6	15.1	49.7	88.2	-38.5	Peak	Horizontal
	9142.5	35.8	15.2	51.0	74.0	-23.0	Peak	Horizontal
	11491.0	29.1	19.4	48.5	54.0	-5.5	Peak	Horizontal
*	11497.5	41.4	19.4	60.8	74.0	-13.2	Peak	Vertical
*	7201.6	36.1	13.6	49.7	88.2	-38.5	Peak	Vertical
	7843.6	34.5	15.1	49.6	88.2	-38.6	Peak	Vertical
	9143.3	36.4	15.2	51.6	74.0	-22.4	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 of 68.2dBμV/m.

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
*	7025.5	35.8	12.9	48.8	88.2	-39.4	Peak	Horizontal
*	7841.3	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
	8652.3	35.6	14.8	50.4	74.0	-23.6	Peak	Horizontal
	11571.2	32.6	19.4	52.1	54.0	-1.9	Peak	Horizontal
*	11574.0	48.4	19.5	67.9	74.0	-6.1	Peak	Vertical
*	7153.6	35.6	13.6	49.2	88.2	-39.0	Peak	Vertical
	7853.7	34.3	15.1	49.4	88.2	-38.8	Peak	Vertical
	9142.7	35.6	15.2	50.8	74.0	-23.2	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 of 68.2dBμV/m.

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
*	7144.6	35.3	13.5	48.9	88.2	-39.3	Peak	Horizontal
*	7842.5	34.3	15.1	49.3	88.2	-38.9	Peak	Horizontal
	9452.4	36.2	15.5	51.7	74.0	-22.3	Peak	Horizontal
	11571.5	33.2	19.4	52.7	54.0	-1.3	Peak	Horizontal
*	11574.0	48.8	19.5	68.2	74.0	-5.8	Peak	Vertical
*	7143.7	35.5	13.5	49.0	88.2	-39.2	Peak	Vertical
	7842.7	35.6	15.1	50.7	88.2	-37.5	Peak	Vertical
	9143.7	36.0	15.2	51.2	74.0	-22.8	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 of 68.2dBμV/m.

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
*	7145.3	36.0	13.5	49.6	88.2	-38.6	Peak	Horizontal
*	7842.5	34.5	15.1	49.5	88.2	-38.7	Peak	Horizontal
	9142.4	35.5	15.2	50.7	74.0	-23.3	Peak	Horizontal
	9471.5	35.9	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	7145.2	35.1	13.5	48.6	88.2	-39.6	Peak	Vertical
*	7941.2	34.5	15.1	49.6	88.2	-38.6	Peak	Vertical
	9147.4	36.4	15.3	51.6	74.0	-22.4	Peak	Vertical
	9472.5	36.1	15.4	51.5	74.0	-22.5	Peak	Vertical

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

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
*	7147.6	35.1	13.5	48.6	88.2	-39.6	Peak	Horizontal
*	7847.5	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	9142.6	36.4	15.2	51.6	74.0	-22.4	Peak	Horizontal
	9482.3	36.5	15.4	51.9	74.0	-22.1	Peak	Horizontal
*	7148.7	35.0	13.5	48.5	88.2	-39.7	Peak	Vertical
*	7846.6	35.0	15.1	50.1	88.2	-38.1	Peak	Vertical
	9147.4	35.8	15.3	51.1	74.0	-22.9	Peak	Vertical
	9482.4	36.3	15.4	51.6	74.0	-22.4	Peak	Vertical

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

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
*	7155.4	36.3	13.6	49.9	88.2	-38.3	Peak	Horizontal
*	8514.4	35.1	14.6	49.8	88.2	-38.4	Peak	Horizontal
	9471.4	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
	11500.3	25.4	19.4	44.8	54.0	-9.2	Peak	Horizontal
*	11506.0	40.0	19.4	59.4	74.0	-14.6	Peak	Vertical
*	7142.4	35.4	13.5	48.9	88.2	-39.3	Peak	Vertical
	7841.3	34.6	15.1	49.7	88.2	-38.5	Peak	Vertical
	9147.3	36.0	15.3	51.2	74.0	-22.8	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 of 68.2dBμV/m.

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
*	7144.3	34.5	13.5	48.0	88.2	-40.2	Peak	Horizontal
*	7941.3	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
	9173.7	36.1	15.3	51.4	74.0	-22.6	Peak	Horizontal
	11590.5	26.9	19.5	46.4	54.0	-7.6	Peak	Horizontal
*	11591.0	40.2	19.5	59.7	74.0	-14.3	Peak	Vertical
*	7152.4	35.1	13.6	48.7	88.2	-39.5	Peak	Vertical
	7941.6	34.3	15.1	49.3	88.2	-38.9	Peak	Vertical
	9147.4	35.9	15.3	51.2	74.0	-22.8	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 of 68.2dBμV/m.

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-VHT80	Test Site:	AC1
Test Channel:	42	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
*	7248.0	35.8	13.8	49.6	88.2	-38.6	Peak	Horizontal
*	7891.5	34.7	15.0	49.7	88.2	-38.5	Peak	Horizontal
	9143.4	35.8	15.2	51.1	74.0	-22.9	Peak	Horizontal
	9471.4	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	7145.3	35.0	13.5	48.5	88.2	-39.7	Peak	Vertical
*	7954.9	34.5	15.1	49.5	88.2	-38.7	Peak	Vertical
	9145.4	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
	9473.7	35.6	15.4	51.0	74.0	-23.0	Peak	Vertical

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

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-VHT80	Test Site:	AC1
Test Channel:	155	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
*	7158.7	35.8	13.6	49.4	88.2	-38.8	Peak	Horizontal
*	8653.6	35.3	14.8	50.2	88.2	-38.0	Peak	Horizontal
	9473.6	36.1	15.4	51.5	74.0	-22.5	Peak	Horizontal
	11552.0	24.4	19.4	43.8	54.0	-10.2	Peak	Horizontal
*	11574.0	40.3	19.5	59.7	74.0	-14.3	Peak	Vertical
*	7153.7	35.3	13.6	48.9	88.2	-39.3	Peak	Vertical
	7936.6	34.4	15.1	49.5	88.2	-38.7	Peak	Vertical
	9144.5	35.7	15.2	50.9	74.0	-23.1	Peak	Vertical

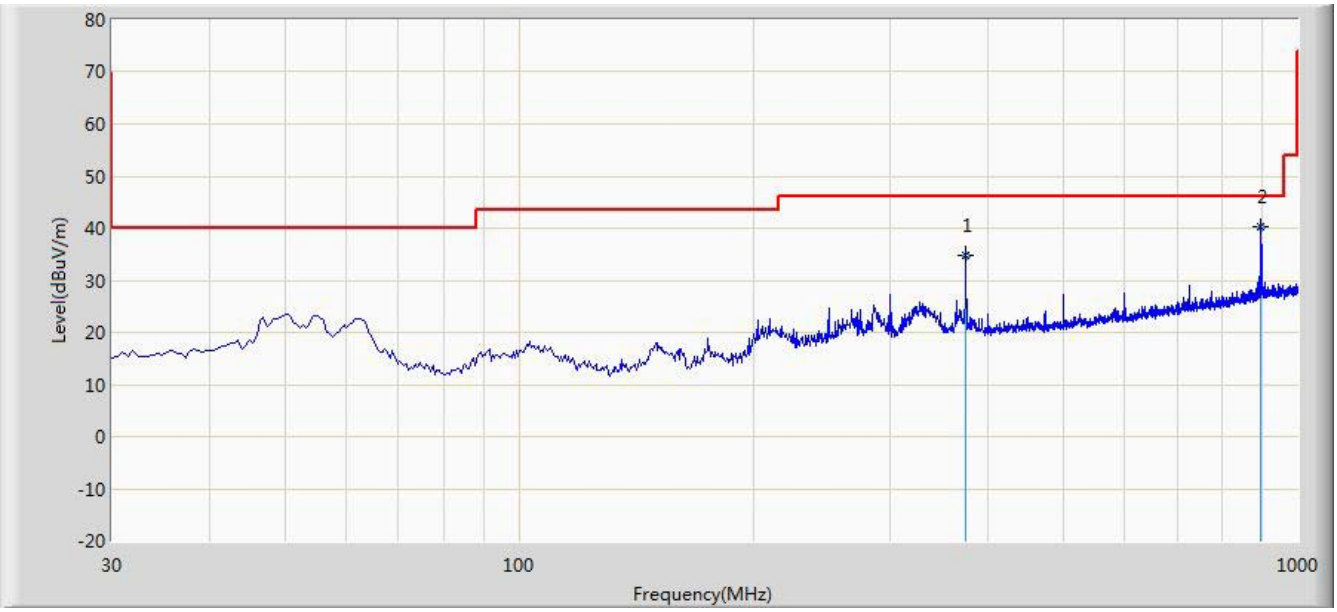
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2014/11/23 - 20:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode : Transmit at channel 5180MHz by 802.11a	

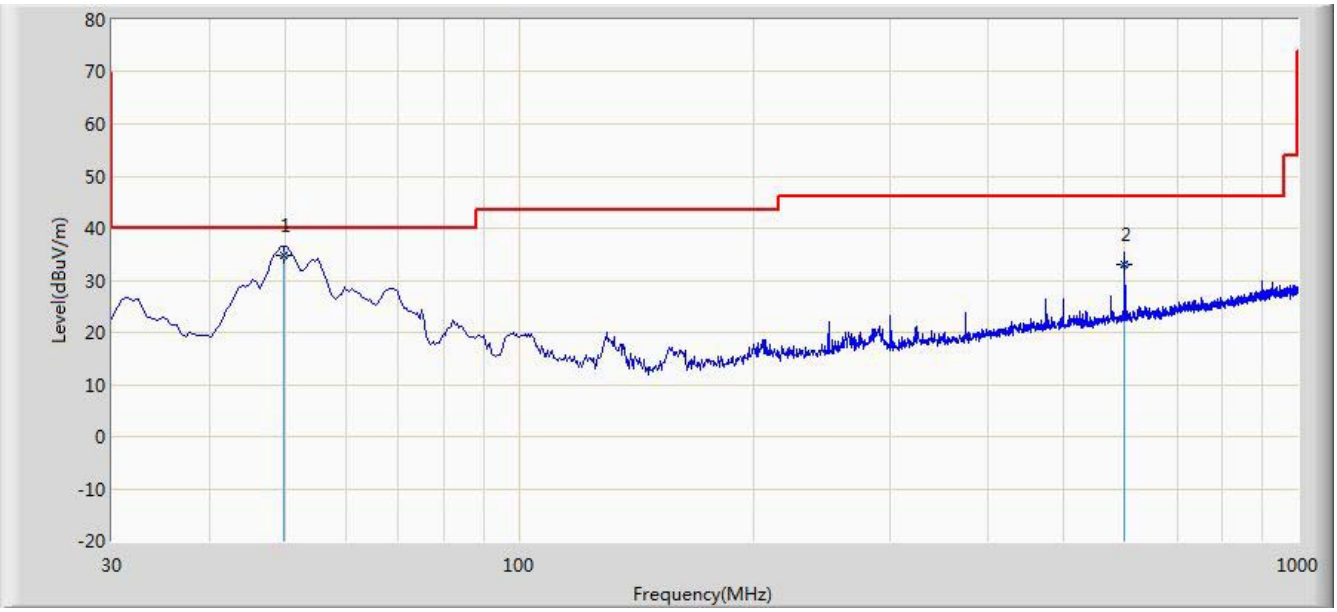


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			375.020	34.698	18.966	-11.302	46.000	15.732	QP
2		*	897.180	40.323	17.021	-5.677	46.000	23.302	QP

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

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

Site: AC1	Time: 2014/11/23 - 20:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Test Mode : Transmit at channel 5180MHz by 802.11a	

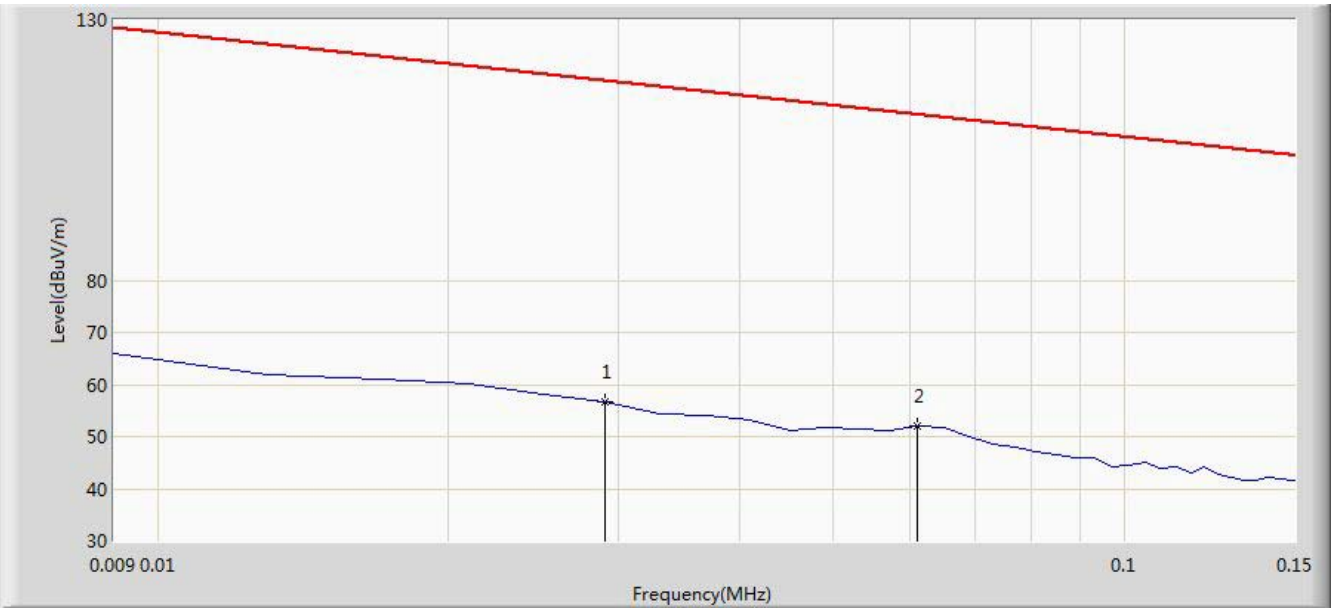


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	49.885	34.746	19.988	-5.254	40.000	14.759	QP
2			599.875	32.964	13.525	-13.036	46.000	19.438	QP

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

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

Site: AC1	Time: 2014/10/20 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Worst Case Mode: There is the ambient noise within frequency range 9kHz~30MHz(802.11a 5180MHz).	

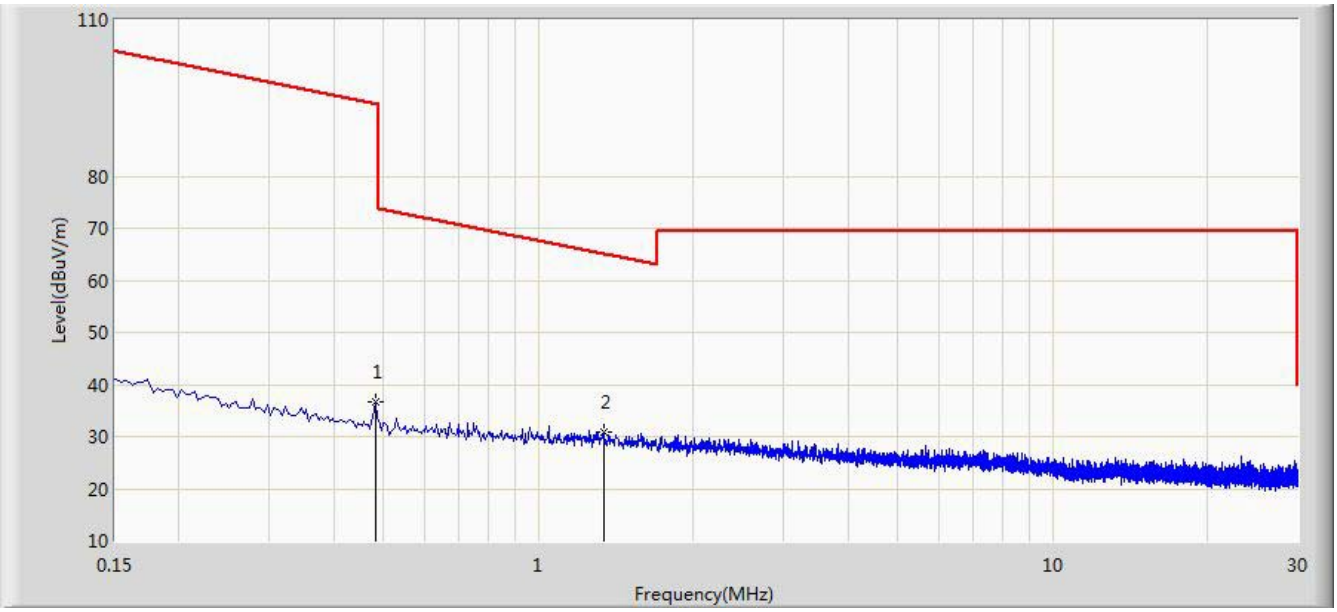


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

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

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

Site: AC1	Time: 2014/10/20 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Worst Case Mode: There is the ambient noise within frequency range 9kHz~30MHz(802.11a 5180MHz).	

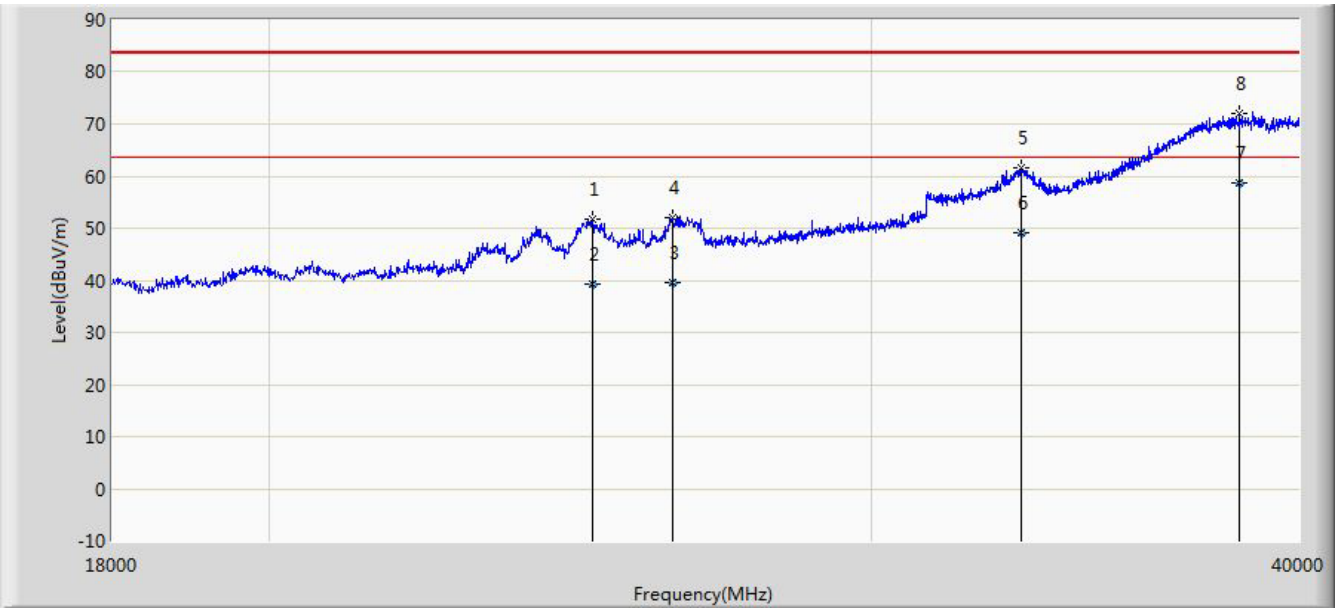


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

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

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

Site: AC1	Time: 2014/10/20 - 21:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Worst Case Mode: There is the ambient noise within frequency range 18GHz~40GHz(802.11a 5180MHz).	



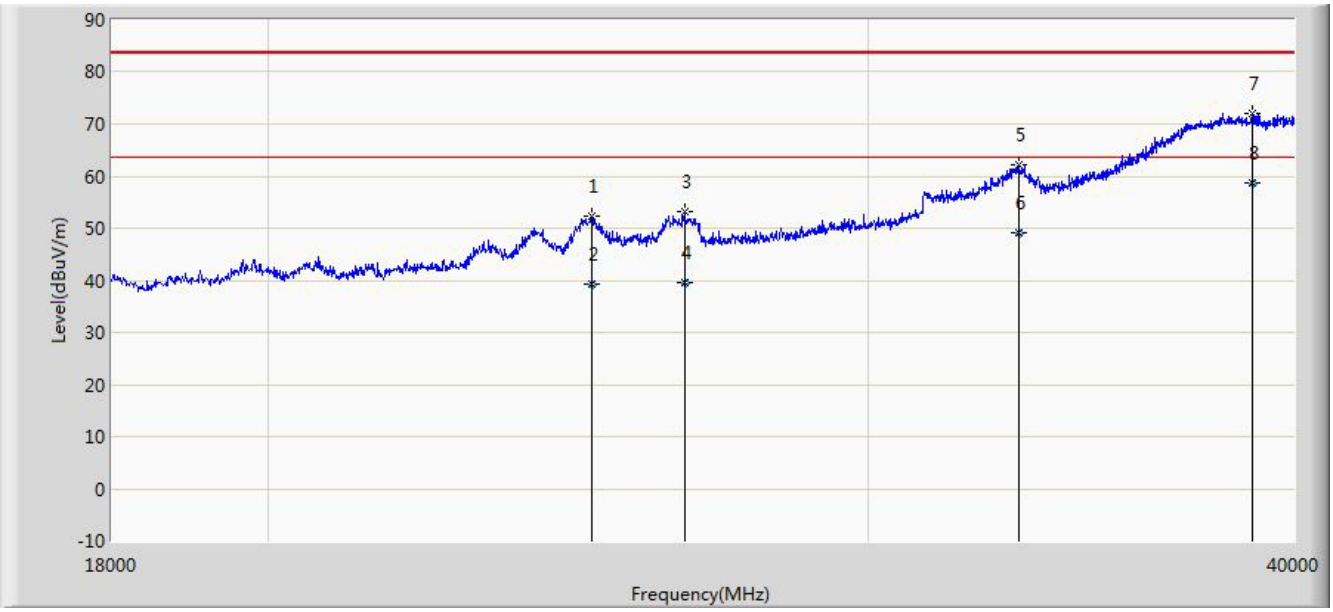
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	36.537	-31.544	83.500	15.419	PK
5			33180.000	61.461	39.940	-22.039	83.500	21.521	PK
6			33180.361	49.061	27.540	-14.439	63.500	21.521	AV
7		*	38437.980	58.523	31.190	-4.977	63.500	27.333	AV
8			38438.000	72.021	44.688	-11.479	83.500	27.333	PK

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

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

Limit (83.5 dBμV/m) = 74 dBμV/m + 20Log(3m/1m)

Site: AC1	Time: 2014/10/20 - 21:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: 2x2 dual band 802.11ac indoor AP	Power: AC 120V/60Hz
Worst Case Mode: There is the ambient noise within frequency range 18GHz~40GHz(802.11a 5180MHz).	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.313	37.528	-31.187	83.500	14.785	PK
2			24886.970	39.234	24.449	-24.266	63.500	14.785	AV
3			26503.000	53.227	37.207	-30.273	83.500	16.020	PK
4			26503.872	39.572	23.550	-23.928	63.500	16.022	AV
5			33213.000	62.110	40.572	-21.390	83.500	21.538	PK
6			33213.984	49.098	27.560	-14.402	63.500	21.538	AV
7			38900.000	72.096	44.211	-11.404	83.500	27.885	PK
8		*	38900.755	58.705	30.820	-4.795	63.500	27.885	AV

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

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

Limit (83.5 dBμV/m) = 74 dBμV/m + 20Log(3m/1m)