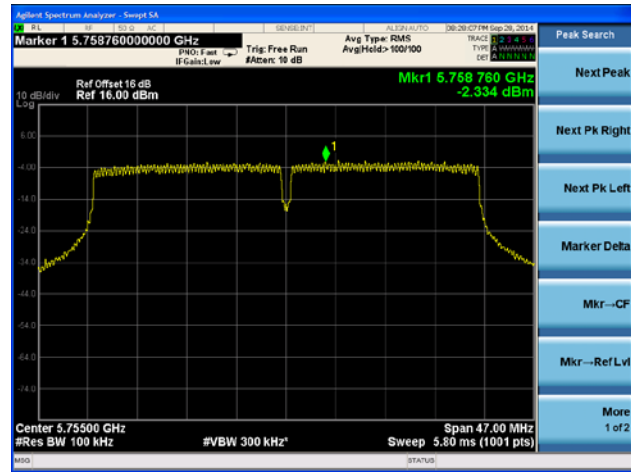
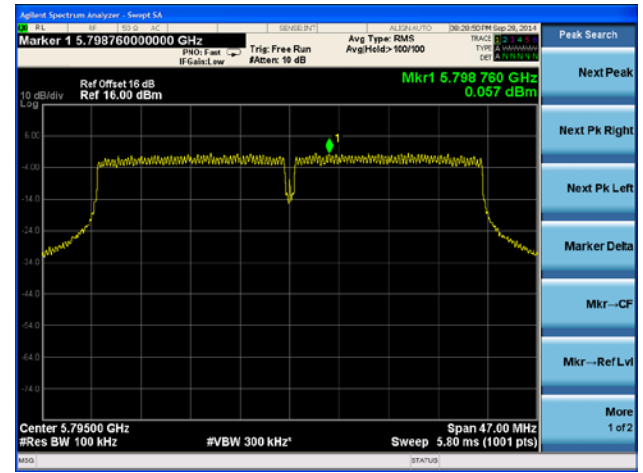


Channel 151 (5755 MHz)

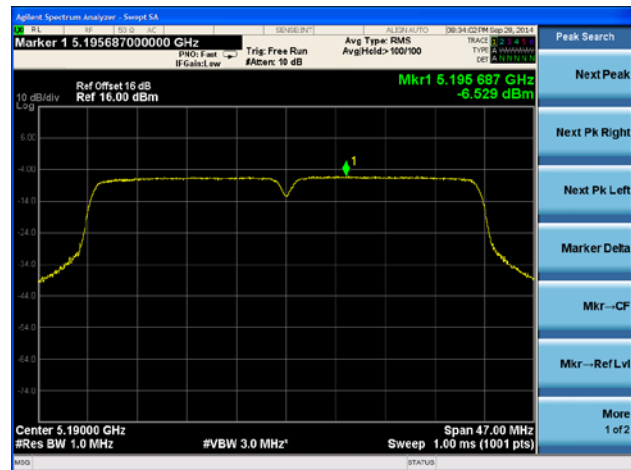


Channel 159 (5795 MHz)

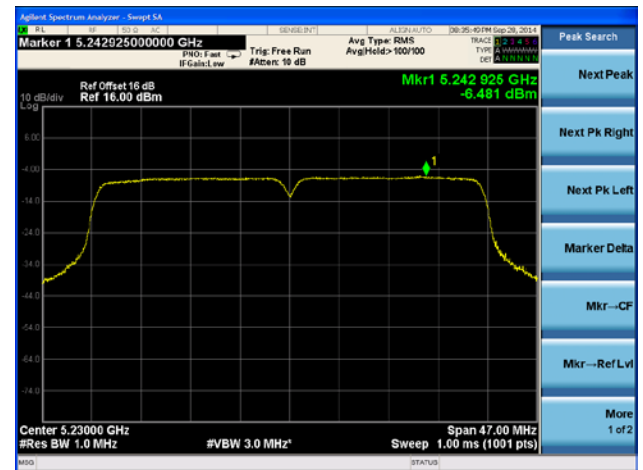


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0+1

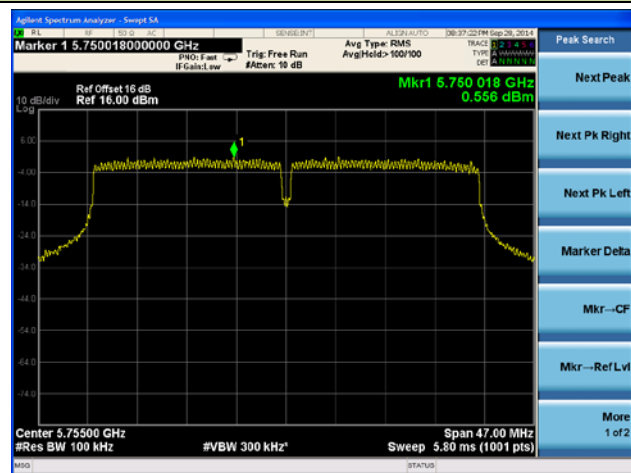
Channel 38 (5190MHz)



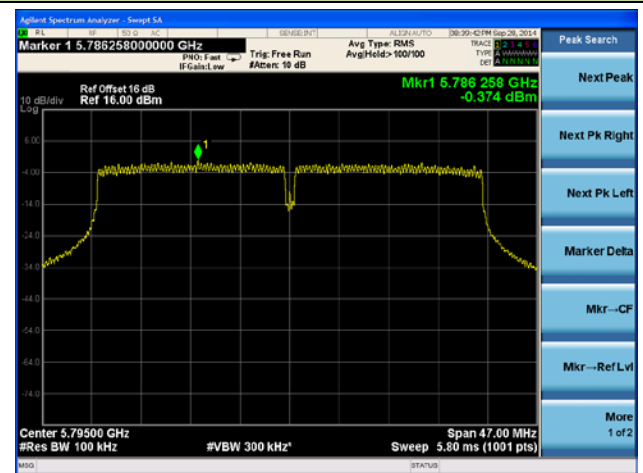
Channel 46 (5230MHz)



Channel 151 (5755MHz)

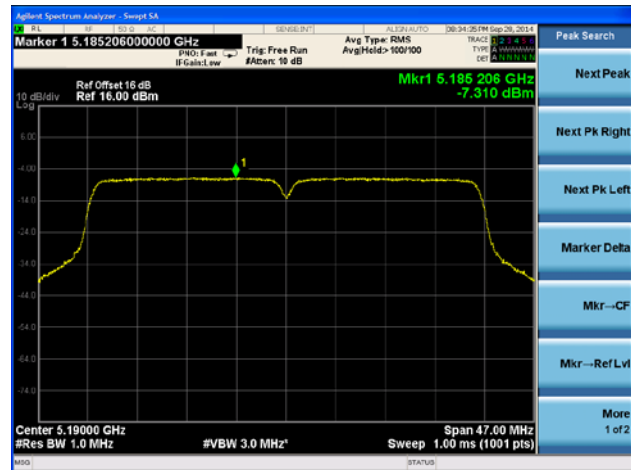


Channel 159 (5795MHz)

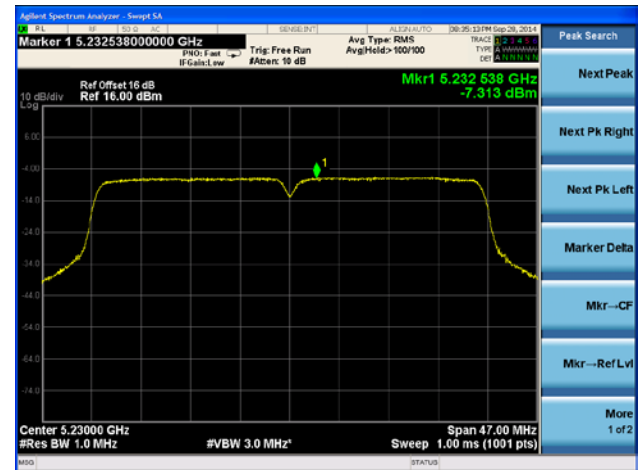


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0+1

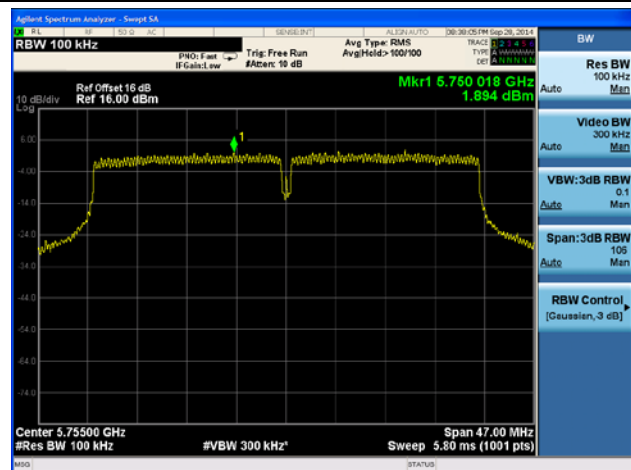
Channel 38 (5190MHz)



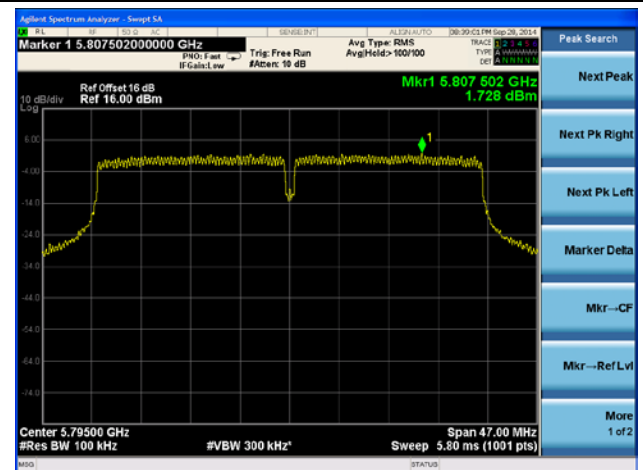
Channel 46 (5230MHz)



Channel 151 (5755 MHz)

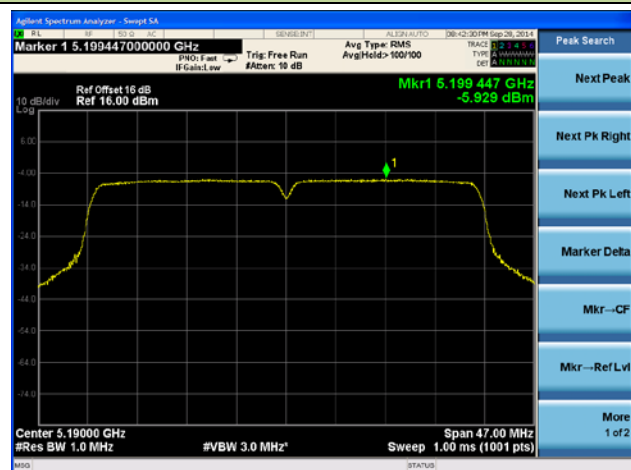


Channel 159 (5795 MHz)

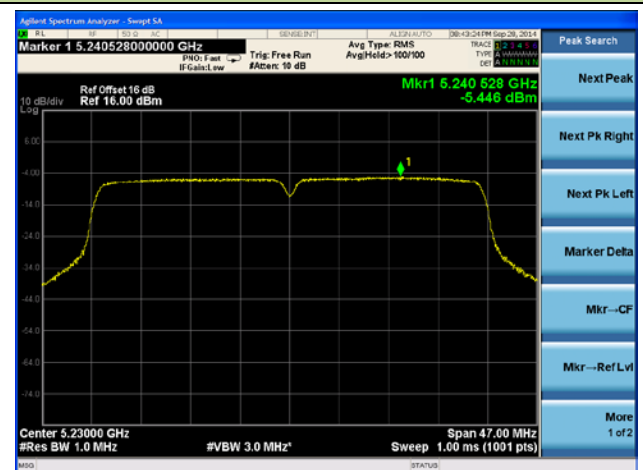


802.11ac-VHT40 Power Spectral Density - Ant 0

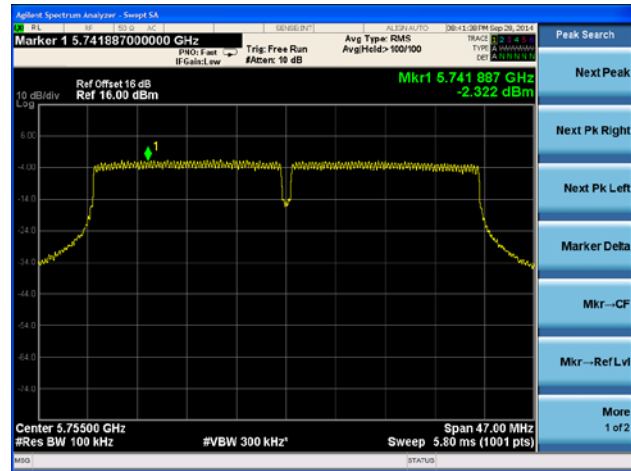
Channel 38 (5190MHz)



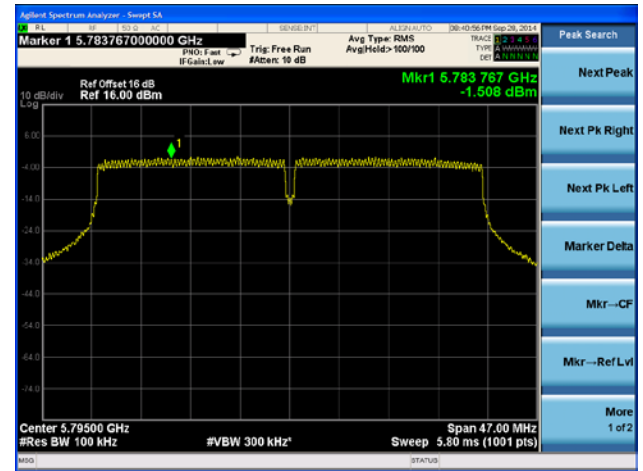
Channel 46 (5230MHz)



Channel 151 (5755MHz)

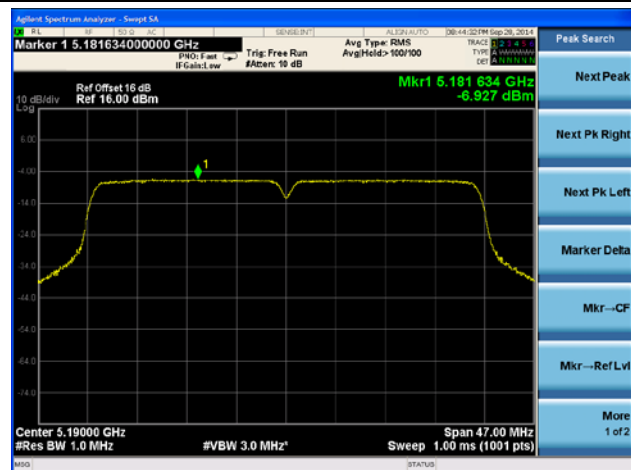


Channel 159 (5795MHz)

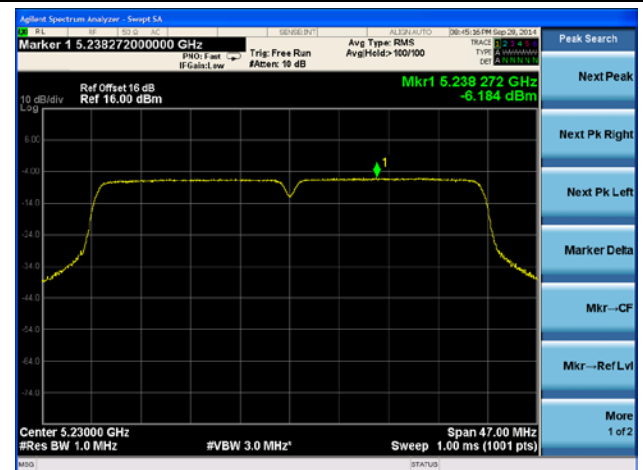


802.11ac-VHT40 Power Spectral Density - Ant 1

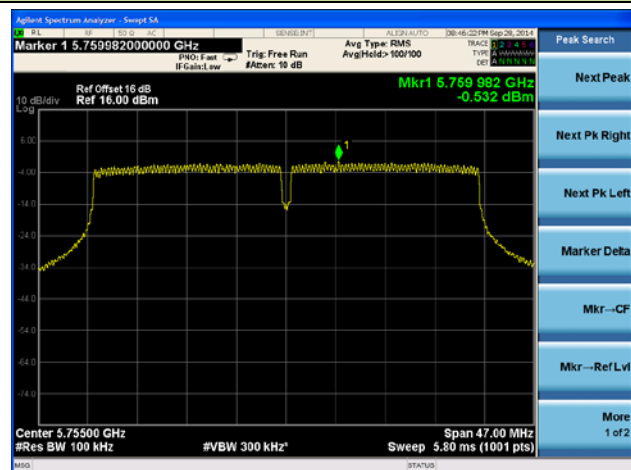
Channel 38 (5190MHz)



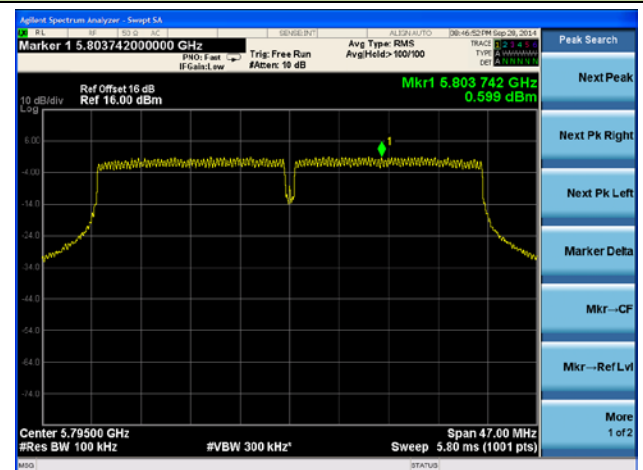
Channel 46 (5230MHz)



Channel 151 (5755 MHz)

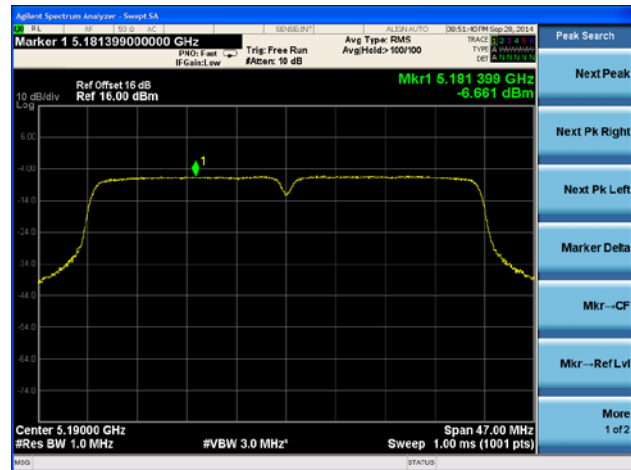


Channel 159 (5795 MHz)

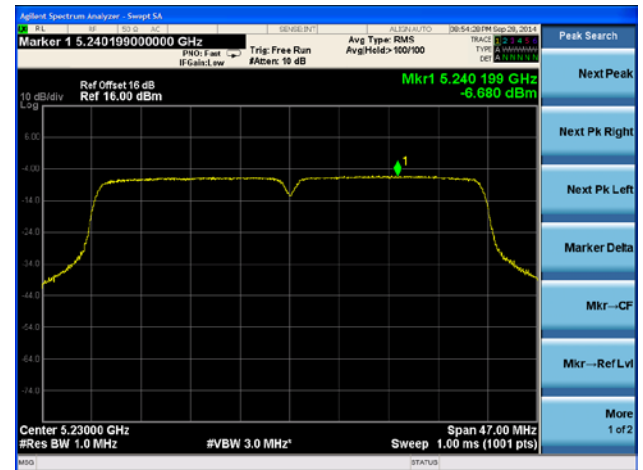


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0+1

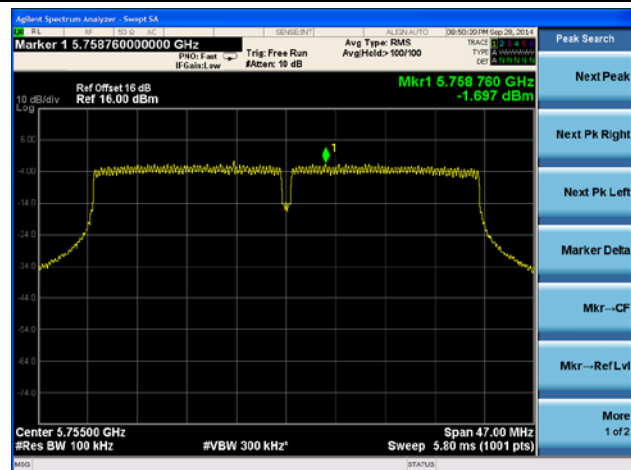
Channel 38 (5190MHz)



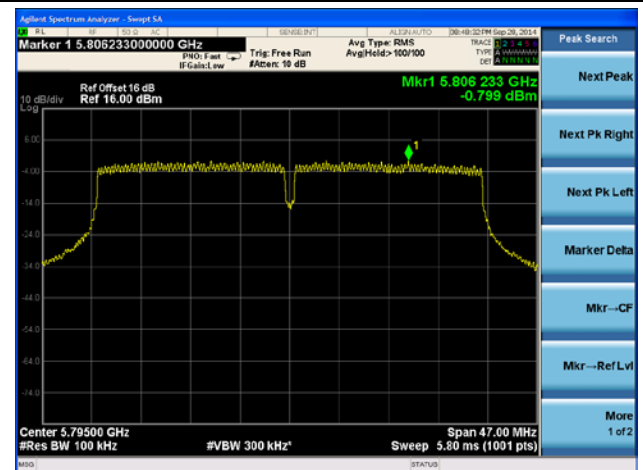
Channel 46 (5230MHz)



Channel 151 (5755MHz)

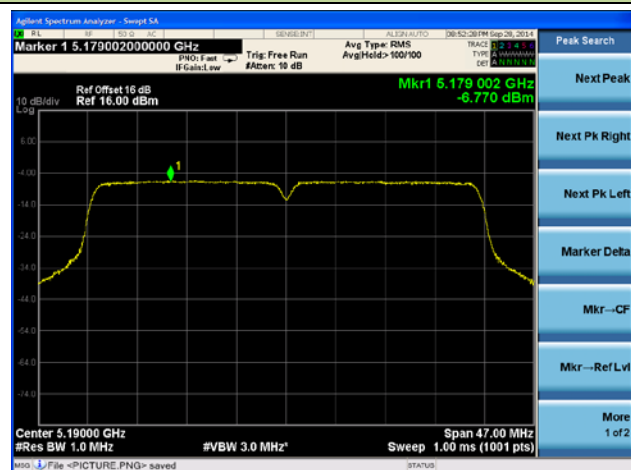


Channel 159 (5795MHz)

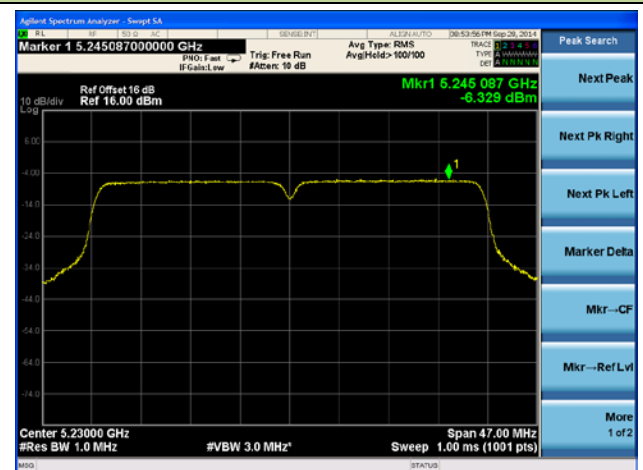


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0+1

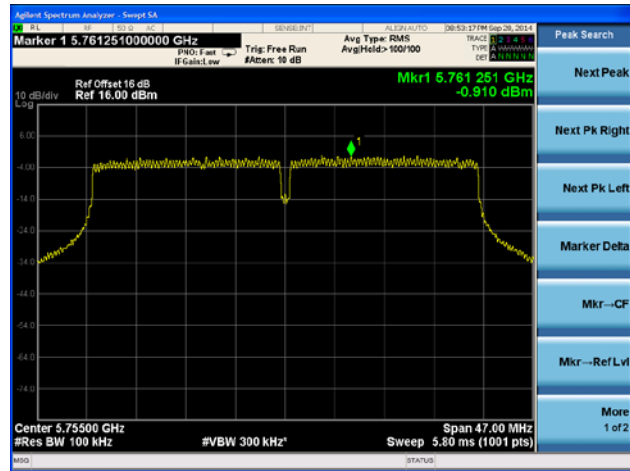
Channel 38 (5190MHz)



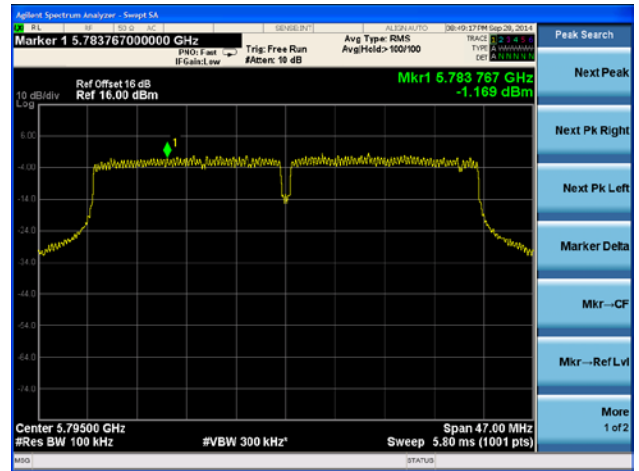
Channel 46 (5230MHz)



Channel 151 (5755 MHz)

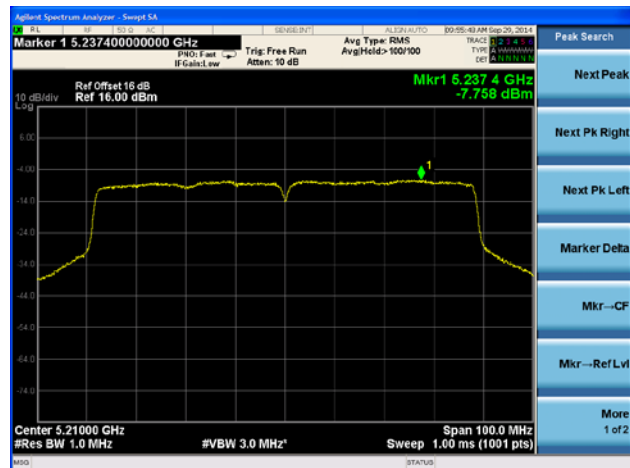


Channel 159 (5795 MHz)

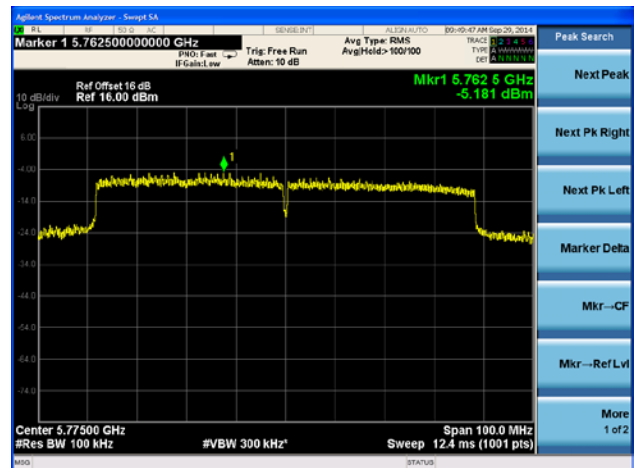


802.11ac-VHT80 Power Spectral Density - Ant 0

Channel 42 (5210MHz)

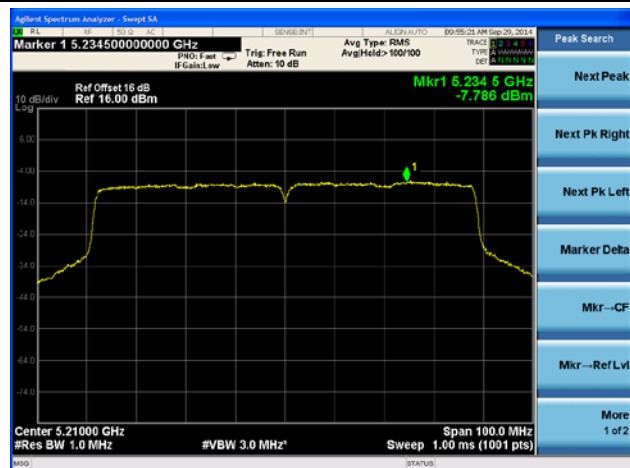


Channel 155 (5775MHz)

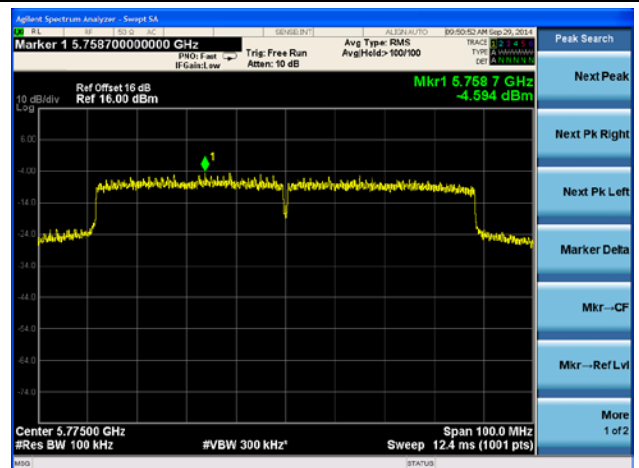


802.11ac-VHT80 Power Spectral Density - Ant 1

Channel 42 (5210MHz)

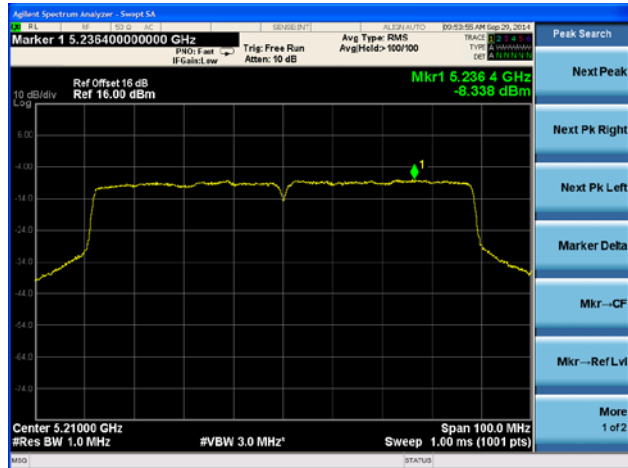


Channel 155 (5775MHz)

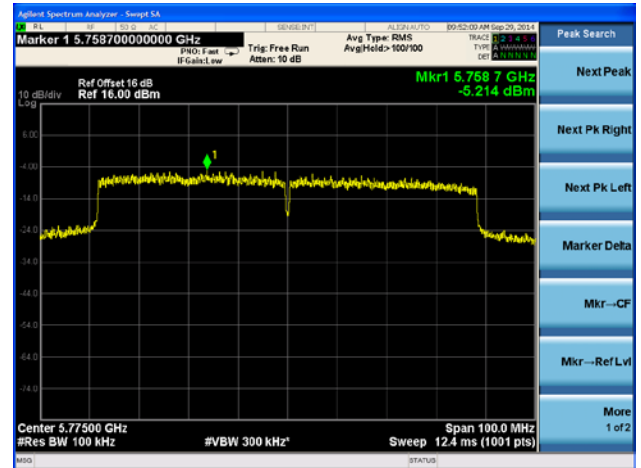


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0+1

Channel 42 (5210MHz)

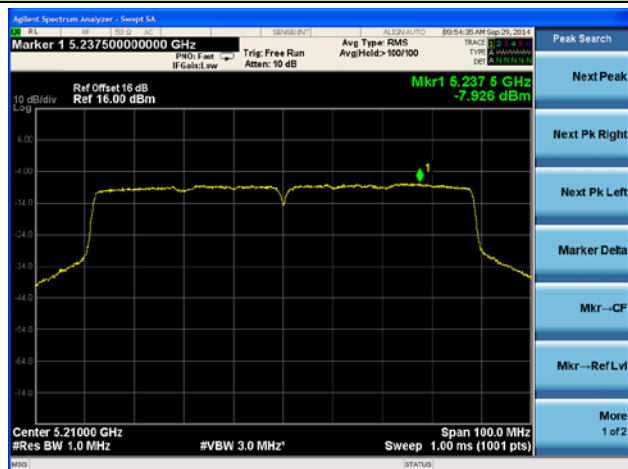


Channel 155 (5775MHz)

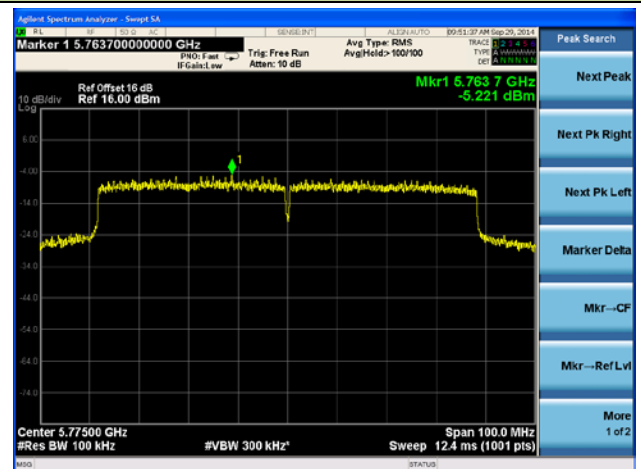


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0+1

Channel 42 (5210MHz)



Channel 155 (5775MHz)



7.6. Frequency Stability Measurement

7.6.1. 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.

7.6.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

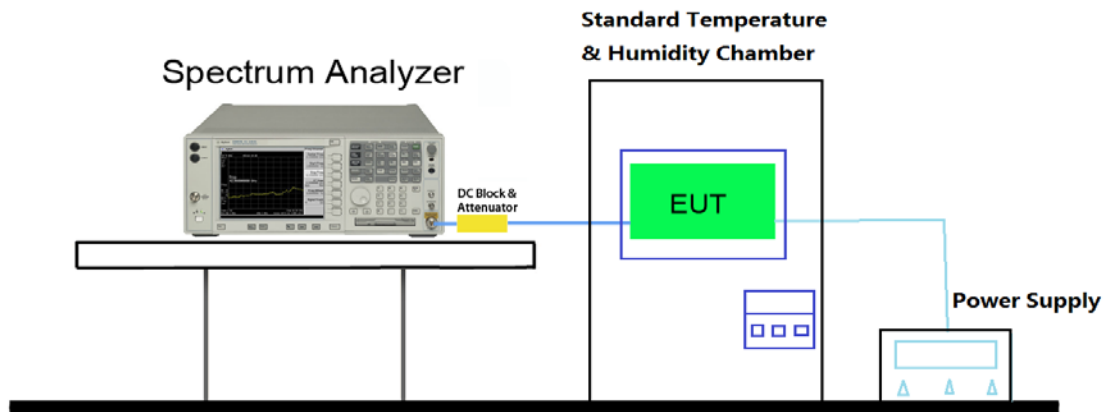
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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.

7.6.3. Test Setup



7.6.4. Test Result

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5220019987.053	19987.053	0.000383
			5784998129.676	-1870.324	-0.000032
		- 30	5220042516.578	42516.578	0.000814
			5785032755.439	32755.439	0.000566
		- 20	5220040402.431	40402.431	0.000774
			5785017426.815	17426.815	0.000301
		- 10	5220041571.188	41571.188	0.000796
			5785042851.920	42851.920	0.000741
		0	5220017250.488	17250.488	0.000330
			5785044289.640	44289.640	0.000766
		+ 10	5220017406.500	17406.500	0.000333
			5785002853.337	2853.337	0.000049
		+ 20	5220035486.420	35486.420	0.000680
			5784997798.902	-2201.098	-0.000038
		+ 30	5219990111.201	-9888.799	-0.000189
			5785021560.261	21560.261	0.000373
		+ 40	5220006802.956	6802.956	0.000130
			5784998357.554	-1642.446	-0.000028
		+ 50	5219997278.429	-2721.571	-0.000052
			5784994465.408	-5534.592	-0.000096
115%	138	+ 20	5220009730.503	9730.503	0.000186
			5784992960.095	-7039.905	-0.000122
85%	102	+ 20	5220005070.134	5070.134	0.000097
			5784992224.332	-7775.668	-0.000134

7.7. Radiated Spurious Emission Measurement

7.7.1. 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

7.7.2. Test Procedure Used

KDB 789033 D02v01 – Section G

7.7.3. 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

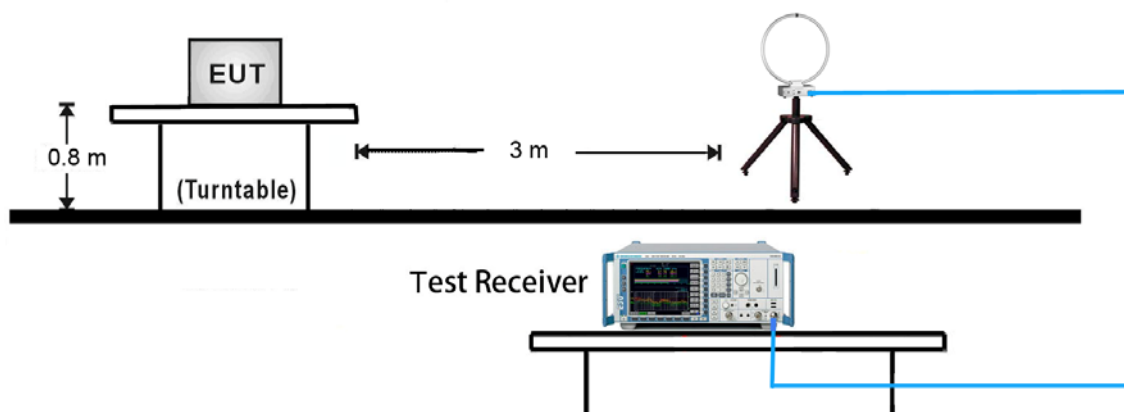
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

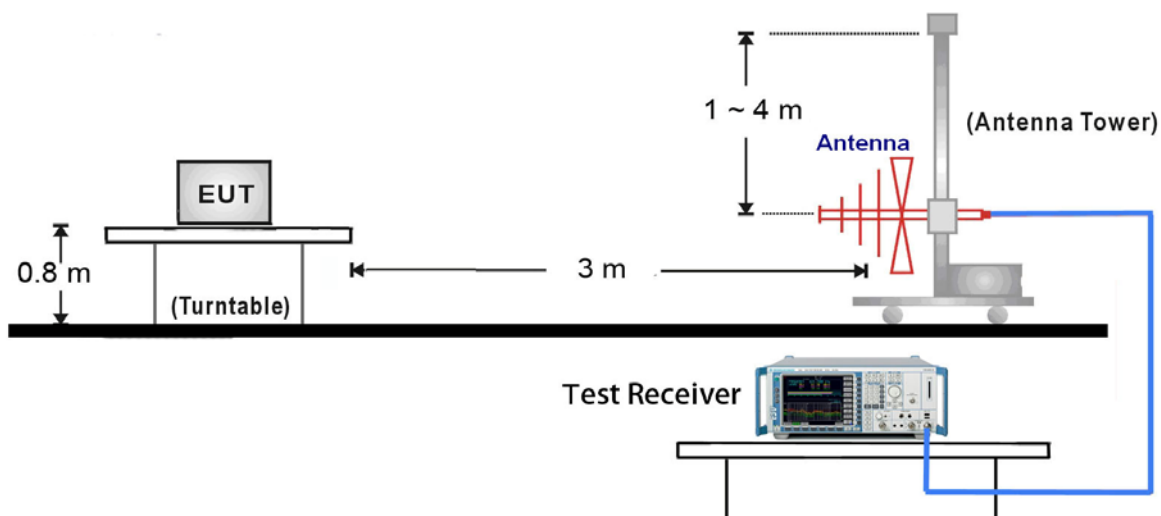
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span}/\text{RBW}$)
6. Sweep time = auto
7. Trace was averaged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

7.7.4. Test Setup

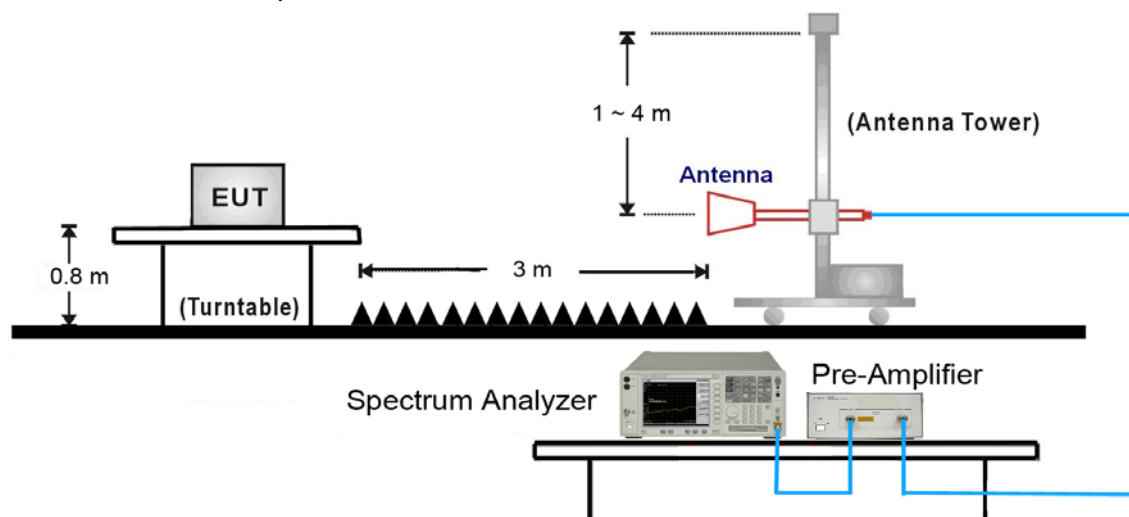
9kHz ~ 30MHz Test Setup:



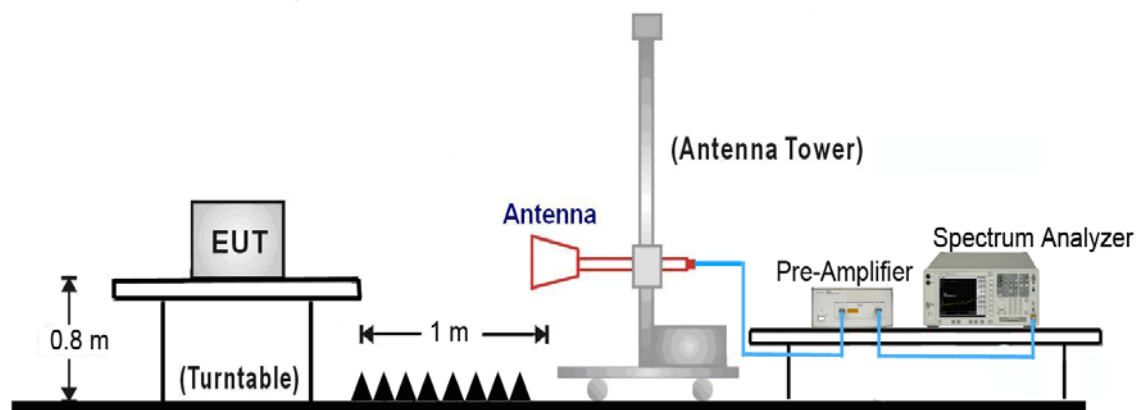
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 40GHz Test Setup:



7.7.5. Test Result

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.4	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
*	8562.7	34.4	14.4	48.8	88.2	-39.4	Peak	Horizontal
	9143.7	37.1	15.2	52.3	74.0	-21.7	Peak	Horizontal
	9472.5	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
*	7762.4	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
*	8593.7	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9143.5	36.7	15.2	51.9	74.0	-22.1	Peak	Vertical
	9483.2	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:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7752.6	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
*	8642.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9146.4	35.7	15.3	51.0	74.0	-23.0	Peak	Horizontal
	9472.5	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7845.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8925.4	35.3	14.3	49.6	88.2	-38.6	Peak	Vertical
	9172.4	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9412.4	34.0	15.5	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7756.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
*	8563.1	33.8	14.4	48.2	88.2	-40.0	Peak	Horizontal
	9123.5	34.8	14.9	49.7	74.0	-24.3	Peak	Horizontal
	9425.4	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7752.4	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	8423.7	35.0	14.6	49.6	74.0	-24.4	Peak	Vertical
	9152.4	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9473.4	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7812.4	33.9	15.0	48.9	88.2	-39.3	Peak	Horizontal
	8426.4	34.8	14.6	49.4	74.0	-24.6	Peak	Horizontal
	9143.7	35.6	15.2	50.8	74.0	-23.2	Peak	Horizontal
	9485.4	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7582.4	35.5	14.7	50.2	88.2	-38.0	Peak	Vertical
	8464.7	35.1	14.6	49.7	74.0	-24.3	Peak	Vertical
	9125.4	34.9	14.9	49.8	74.0	-24.2	Peak	Vertical
	9436.5	34.6	15.5	50.1	74.0	-23.9	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 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 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7756.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
*	8623.7	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9145.4	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9452.4	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7892.7	34.3	15.0	49.3	88.2	-38.9	Peak	Vertical
*	8533.5	33.5	14.6	48.1	88.2	-40.1	Peak	Vertical
	9172.4	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	9412.5	34.0	15.5	49.5	74.0	-24.5	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:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7762.4	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
*	8621.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9144.5	35.2	15.2	50.4	74.0	-23.6	Peak	Horizontal
	9425.7	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7762.4	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
*	8572.4	34.5	14.5	49.0	88.2	-39.2	Peak	Vertical
	9172.4	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical
	9425.4	34.3	15.5	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 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.4	33.6	15.0	48.6	88.2	-39.6	Peak	Horizontal
	8472.4	33.9	14.6	48.5	74.0	-25.5	Peak	Horizontal
	9142.6	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
	9436.3	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7759.4	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
*	8653.4	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9172.4	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9424.4	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7823.7	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
*	8592.4	33.2	14.8	48.0	88.2	-40.2	Peak	Horizontal
	9123.7	34.3	14.9	49.2	74.0	-24.8	Peak	Horizontal
	9436.4	34.4	15.5	49.9	74.0	-24.1	Peak	Horizontal
*	7765.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
*	8564.4	33.4	14.4	47.8	88.2	-40.4	Peak	Vertical
	9192.5	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
	9483.5	35.4	15.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7825.4	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8563.3	33.7	14.4	48.1	88.2	-40.1	Peak	Horizontal
	9152.4	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9483.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7753.4	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
*	8563.2	33.2	14.4	47.6	88.2	-40.6	Peak	Vertical
	9153.7	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9425.3	34.1	15.5	49.6	74.0	-24.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.4	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
*	8563.7	34.6	14.4	49.0	88.2	-39.2	Peak	Horizontal
	9142.3	34.2	15.2	49.4	74.0	-24.6	Peak	Horizontal
	9414.4	35.1	15.5	50.6	74.0	-23.4	Peak	Horizontal
*	7756.3	35.1	14.8	49.9	88.2	-38.3	Peak	Vertical
*	8563.3	33.5	14.4	47.9	88.2	-40.3	Peak	Vertical
	9140.5	35.8	15.2	51.0	74.0	-23.0	Peak	Vertical
	9486.4	34.6	15.4	50.0	74.0	-24.0	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:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.7	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
*	8563.7	33.8	14.4	48.2	88.2	-40.0	Peak	Horizontal
	9147.6	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9489.4	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7756.4	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
	8473.6	33.7	14.6	48.3	74.0	-25.7	Peak	Vertical
	9147.4	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.4	34.0	15.4	49.4	74.0	-24.6	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 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7856.6	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
*	8596.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9143.7	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9473.7	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7856.4	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
*	8652.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9152.3	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9473.4	35.0	15.4	50.4	74.0	-23.6	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 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7761.4	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
*	8625.4	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9154.2	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9436.7	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
*	7842.4	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8607.4	32.7	14.9	47.6	88.2	-40.6	Peak	Vertical
	9142.4	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9473.7	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7846.4	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8689.4	34.5	14.8	49.3	88.2	-38.9	Peak	Horizontal
	9143.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9473.9	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	7765.5	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
*	8647.7	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9142.8	36.0	15.2	51.2	74.0	-22.8	Peak	Vertical
	9458.6	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7789.6	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8674.2	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9147.4	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9425.9	34.2	15.5	49.7	74.0	-24.3	Peak	Horizontal
*	7768.2	34.0	14.9	48.9	88.2	-39.3	Peak	Vertical
*	8647.1	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9145.9	35.7	15.2	50.9	74.0	-23.1	Peak	Vertical
	9425.7	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.0	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8624.0	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9143.9	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9471.0	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7836.9	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
*	8692.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9146.4	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9478.6	34.2	15.4	49.6	74.0	-24.4	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 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7846.4	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8653.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9173.6	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9483.7	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7762.7	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
*	8672.5	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9147.9	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9472.6	34.5	15.4	49.9	74.0	-24.1	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:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7756.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
*	8647.1	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9147.8	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9472.4	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7845.2	32.7	15.1	47.8	88.2	-40.4	Peak	Vertical
*	8625.3	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9172.2	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9470.6	34.7	15.4	50.1	74.0	-23.9	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 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 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7847.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8697.6	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9147.8	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7648.2	35.2	14.6	49.8	88.2	-38.4	Peak	Vertical
*	8698.2	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9120.3	34.1	14.9	49.0	74.0	-25.0	Peak	Vertical
	9410.4	33.9	15.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.0	33.0	15.0	48.0	88.2	-40.2	Peak	Horizontal
*	8653.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9126.4	34.2	15.0	49.2	74.0	-24.8	Peak	Horizontal
	9425.3	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7814.0	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
*	8653.3	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
	9148.7	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical
	9436.9	33.5	15.5	49.0	74.0	-25.0	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:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.0	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
*	8659.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9147.8	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9425.2	34.0	15.5	49.5	74.0	-24.5	Peak	Horizontal
*	7814.2	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
*	8671.9	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9156.9	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9402.0	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8635.2	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9123.4	35.5	14.9	50.4	74.0	-23.6	Peak	Horizontal
	9473.2	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7814.2	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8654.0	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9147.3	35.6	15.3	50.9	74.0	-23.1	Peak	Vertical
	9423.5	33.9	15.5	49.4	74.0	-24.6	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 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7854.8	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
*	8691.4	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9142.0	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9482.2	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7841.0	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8871.0	35.7	14.3	50.0	88.2	-38.2	Peak	Vertical
	9171.1	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9473.2	35.0	15.4	50.4	74.0	-23.6	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 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7911.4	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8694.3	34.8	14.8	49.6	88.2	-38.6	Peak	Horizontal
	9153.2	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9471.0	35.8	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7914.3	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
*	8635.3	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
	9126.3	34.7	15.0	49.7	74.0	-24.3	Peak	Vertical
	9408.5	33.7	15.5	49.2	74.0	-24.8	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 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7781.3	32.9	14.9	47.8	88.2	-40.4	Peak	Horizontal
*	8632.0	32.6	14.8	47.4	88.2	-40.8	Peak	Horizontal
	9159.0	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9437.9	34.2	15.5	49.7	74.0	-24.3	Peak	Horizontal
*	7814.6	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
*	8679.2	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9142.0	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9436.3	33.6	15.5	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6912.4	35.0	12.0	47.0	88.2	-41.2	Peak	Horizontal
*	7957.9	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
	8679.6	34.2	14.8	49.0	74.0	-25.0	Peak	Horizontal
	9402.3	33.8	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8623.3	32.9	14.8	47.7	88.2	-40.5	Peak	Vertical
	9152.3	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9426.4	33.8	15.5	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 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 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7768.6	33.8	14.9	48.7	88.2	-39.5	Peak	Horizontal
*	8658.4	33.7	14.8	48.5	88.2	-39.7	Peak	Horizontal
	9142.0	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9450.4	33.3	15.5	48.8	74.0	-25.2	Peak	Horizontal
*	7857.4	33.9	15.1	49.0	88.2	-39.2	Peak	Vertical
*	8693.2	34.1	14.8	48.9	88.2	-39.3	Peak	Vertical
	9172.0	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9461.3	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7803.4	34.3	15.0	49.3	88.2	-38.9	Peak	Horizontal
*	8623.1	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9126.4	35.0	15.0	50.0	74.0	-24.0	Peak	Horizontal
	9462.3	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7812.0	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
*	8623.2	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Vertical
	9401.4	33.6	15.4	49.0	74.0	-25.0	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 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7865.6	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8695.5	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9123.0	34.4	14.9	49.3	74.0	-24.7	Peak	Horizontal
	9482.3	34.0	15.4	49.4	74.0	-24.6	Peak	Horizontal
*	7826.3	33.7	15.1	48.8	88.2	-39.4	Peak	Vertical
*	8659.3	33.3	14.8	48.1	88.2	-40.1	Peak	Vertical
	9124.0	34.8	14.9	49.7	74.0	-24.3	Peak	Vertical
	9413.1	34.6	15.5	50.1	74.0	-23.9	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 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 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7863.2	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8672.4	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9173.3	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.3	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7853.2	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8653.9	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9125.3	33.4	14.9	48.3	74.0	-25.7	Peak	Vertical
	9472.0	34.5	15.4	49.9	74.0	-24.1	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:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.2	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8675.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9125.0	34.9	14.9	49.8	74.0	-24.2	Peak	Horizontal
	9452.3	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7814.0	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
*	8659.0	35.2	14.8	50.0	88.2	-38.2	Peak	Vertical
	9165.2	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9425.3	33.8	15.5	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 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 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7824.2	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8672.3	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
	9425.6	33.7	15.5	49.2	74.0	-24.8	Peak	Horizontal
*	7862.3	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
*	8653.6	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9164.3	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9453.8	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8652.0	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9123.0	34.6	14.9	49.5	74.0	-24.5	Peak	Horizontal
	9421.2	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7841.2	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
*	8632.3	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Vertical
	9421.0	35.3	15.5	50.8	74.0	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7832.1	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8623.3	32.6	14.8	47.4	88.2	-40.8	Peak	Horizontal
	9126.2	35.7	15.0	50.7	74.0	-23.3	Peak	Horizontal
	9426.5	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7852.2	32.7	15.1	47.8	88.2	-40.4	Peak	Vertical
*	8652.0	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9152.2	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.3	36.1	15.4	51.5	74.0	-22.5	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:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.2	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8625.4	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9142.2	34.4	15.2	49.6	74.0	-24.4	Peak	Horizontal
	9424.4	33.8	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7824.2	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8653.7	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9152.2	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9452.5	33.5	15.5	49.0	74.0	-25.0	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 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8672.2	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9142.2	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9463.2	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7931.3	34.0	15.1	49.1	88.2	-39.1	Peak	Vertical
*	8674.2	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9142.0	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9423.3	34.3	15.5	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:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7832.5	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8692.2	35.1	14.8	49.9	88.2	-38.3	Peak	Horizontal
	9153.2	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9420.3	34.1	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7825.4	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
	8352.3	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical
	9142.2	35.5	15.2	50.7	74.0	-23.3	Peak	Vertical
	9436.2	33.2	15.5	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7853.3	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
*	8632.2	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9142.4	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9425.2	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7841.2	33.0	15.1	48.1	88.2	-40.1	Peak	Vertical
*	8674.1	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9147.3	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9473.7	34.9	15.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.2	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
*	8657.2	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9147.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9473.7	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7847.7	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
*	8693.3	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9153.3	33.5	15.3	48.8	74.0	-25.2	Peak	Vertical
	9476.3	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7869.3	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8674.3	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9156.4	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
	9473.2	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7814.2	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
*	8692.3	34.0	14.8	48.8	88.2	-39.4	Peak	Vertical
	9143.3	35.1	15.2	50.3	74.0	-23.7	Peak	Vertical
	9473.6	34.8	15.4	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:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7864.6	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8636.1	33.0	14.8	47.8	88.2	-40.4	Peak	Horizontal
	9147.9	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9486.4	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7842.3	33.0	15.1	48.1	88.2	-40.1	Peak	Vertical
*	8694.5	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9175.8	36.0	15.3	51.3	74.0	-22.7	Peak	Vertical
	9473.7	34.7	15.4	50.1	74.0	-23.9	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 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 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.6	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	8673.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9146.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9423.9	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7857.7	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
*	8672.4	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9142.4	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9426.5	33.2	15.5	48.7	74.0	-25.3	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 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 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7836.7	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8645.3	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9145.4	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
	9425.7	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7824.2	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
*	8647.5	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9147.2	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7845.6	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8628.0	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9142.7	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9435.7	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7849.7	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	8671.2	34.4	14.8	49.2	88.2	-39.0	Peak	Vertical
	9142.3	34.6	15.2	49.8	74.0	-24.2	Peak	Vertical
	9471.5	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7846.7	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8674.1	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9147.1	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9473.9	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7894.2	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	8659.7	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9173.7	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9471.0	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7871.5	34.3	15.0	49.3	88.2	-38.9	Peak	Horizontal
*	8693.4	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9172.6	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9487.7	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7859.8	33.5	15.1	48.6	88.2	-39.6	Peak	Vertical
*	8693.5	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9147.3	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9473.8	34.9	15.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions 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 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7849.7	33.3	15.1	48.4	88.2	-39.8	Peak	Horizontal
*	8679.9	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9169.0	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
	9487.7	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7868.6	32.7	15.0	47.7	88.2	-40.5	Peak	Vertical
*	8674.3	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9126.5	34.4	15.0	49.4	74.0	-24.6	Peak	Vertical
	9473.7	33.6	15.4	49.0	74.0	-25.0	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 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.7	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8677.0	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9147.8	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.6	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7865.7	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
*	8671.5	33.6	14.8	48.4	88.2	-39.8	Peak	Vertical
	9156.7	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical
	9471.3	34.8	15.4	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 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7847.8	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8678.5	34.1	14.8	48.9	88.2	-39.3	Peak	Horizontal
	9147.7	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9472.7	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7795.7	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
*	8679.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9178.5	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical
	9479.8	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:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7897.8	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	8698.6	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9156.7	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
	9473.7	33.5	15.4	48.9	74.0	-25.1	Peak	Horizontal
*	7836.9	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8636.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9176.6	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	9468.5	33.7	15.4	49.1	74.0	-24.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7874.9	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
*	8693.9	35.2	14.8	50.0	88.2	-38.2	Peak	Horizontal
	9176.4	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9476.9	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7875.0	32.8	15.0	47.8	88.2	-40.4	Peak	Vertical
*	8693.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9148.0	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9486.4	34.9	15.4	50.3	74.0	-23.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions 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 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7848.7	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
*	8673.7	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9146.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9473.7	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7983.5	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
*	8679.6	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9147.3	35.6	15.3	50.9	74.0	-23.1	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 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 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7823.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8656.4	34.0	14.8	48.8	88.2	-39.4	Peak	Horizontal
	9163.5	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9476.5	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7856.3	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8656.4	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9153.7	33.8	15.3	49.1	74.0	-24.9	Peak	Vertical
	9483.5	33.9	15.4	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 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 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7854.9	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
*	8658.0	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9154.4	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
	9487.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7846.6	32.3	15.1	47.4	88.2	-40.8	Peak	Vertical
*	8673.5	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9143.7	34.4	15.2	49.6	74.0	-24.4	Peak	Vertical
	9473.7	33.6	15.4	49.0	74.0	-25.0	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:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.6	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	8693.5	35.1	14.8	49.9	88.2	-38.3	Peak	Horizontal
	9146.7	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9478.6	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7857.5	33.9	15.1	49.0	88.2	-39.2	Peak	Vertical
*	8672.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9147.4	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9476.8	34.7	15.4	50.1	74.0	-23.9	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 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 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7846.6	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	8694.7	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9148.7	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9473.5	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7892.5	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
*	8694.3	34.4	14.8	49.2	88.2	-39.0	Peak	Vertical
	9147.4	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical
	9478.7	35.2	15.4	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-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7953.7	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	8692.7	33.1	14.8	47.9	88.2	-40.3	Peak	Horizontal
	9163.5	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9486.5	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7947.5	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8692.5	34.1	14.8	48.9	88.2	-39.3	Peak	Vertical
	9156.2	34.0	15.3	49.3	74.0	-24.7	Peak	Vertical
	9476.5	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7895.7	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
*	8626.5	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
	9147.7	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
	9473.7	33.7	15.4	49.1	74.0	-24.9	Peak	Horizontal
*	7892.0	32.6	15.0	47.6	88.2	-40.6	Peak	Vertical
*	8672.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9165.7	34.1	15.3	49.4	74.0	-24.6	Peak	Vertical
	9478.5	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:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.5	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8657.7	33.6	14.8	48.4	88.2	-39.8	Peak	Horizontal
	9168.5	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
	9473.7	34.1	15.4	49.5	74.0	-24.5	Peak	Horizontal
*	7947.2	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
*	8693.5	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9168.7	34.9	15.3	50.2	74.0	-23.8	Peak	Vertical
	9487.6	34.2	15.4	49.6	74.0	-24.4	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-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.4	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	8695.6	34.2	14.8	49.0	88.2	-39.2	Peak	Horizontal
	9156.5	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.7	33.9	15.4	49.3	74.0	-24.7	Peak	Horizontal
*	7865.7	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	8697.6	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9176.7	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	9473.7	34.5	15.4	49.9	74.0	-24.1	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:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7849.9	32.4	15.1	47.5	88.2	-40.7	Peak	Horizontal
*	8697.7	34.7	14.8	49.5	88.2	-38.7	Peak	Horizontal
	9146.6	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7924.1	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	8672.7	33.7	14.8	48.5	88.2	-39.7	Peak	Vertical
	9146.5	33.8	15.3	49.1	74.0	-24.9	Peak	Vertical
	9468.7	33.8	15.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7857.7	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
*	8692.3	34.8	14.8	49.6	88.2	-38.6	Peak	Horizontal
	9165.3	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9478.6	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7946.5	32.5	15.1	47.6	88.2	-40.6	Peak	Vertical
*	8646.7	34.3	14.8	49.1	88.2	-39.1	Peak	Vertical
	9165.4	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9473.8	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7894.2	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
*	8695.5	34.4	14.8	49.2	88.2	-39.0	Peak	Horizontal
	9143.7	34.1	15.2	49.3	74.0	-24.7	Peak	Horizontal
	9473.7	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7947.5	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8659.5	33.9	14.8	48.7	88.2	-39.5	Peak	Vertical
	9143.7	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9473.7	34.4	15.4	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:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7947.7	32.9	15.1	48.0	88.2	-40.2	Peak	Horizontal
*	8636.5	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9144.5	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9435.1	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7842.7	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8656.3	34.7	14.8	49.5	88.2	-38.7	Peak	Vertical
	9143.5	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9436.8	33.9	15.5	49.4	74.0	-24.6	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 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7868.7	32.8	15.0	47.8	88.2	-40.4	Peak	Horizontal
*	8695.7	34.3	14.8	49.1	88.2	-39.1	Peak	Horizontal
	9143.5	34.3	15.2	49.5	74.0	-24.5	Peak	Horizontal
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7958.7	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
*	8693.5	33.2	14.8	48.0	88.2	-40.2	Peak	Vertical
	9157.0	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical
	9486.8	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7957.7	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
*	8972.5	34.7	14.4	49.1	88.2	-39.1	Peak	Horizontal
	9147.7	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9474.0	33.9	15.4	49.3	74.0	-24.7	Peak	Horizontal
*	7982.5	33.8	15.0	48.8	88.2	-39.4	Peak	Vertical
*	8897.5	35.9	14.4	50.3	88.2	-37.9	Peak	Vertical
	9153.8	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical
	9476.8	34.1	15.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7892.5	32.9	15.0	47.9	88.2	-40.3	Peak	Horizontal
*	8847.2	34.7	14.2	48.9	88.2	-39.3	Peak	Horizontal
	9143.6	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9476.8	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7841.6	32.6	15.1	47.7	88.2	-40.5	Peak	Vertical
*	8879.7	33.8	14.4	48.2	88.2	-40.0	Peak	Vertical
	9165.5	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	9473.3	34.1	15.4	49.5	74.0	-24.5	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:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7856.4	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
*	8625.7	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9143.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9435.7	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7894.6	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8956.4	34.5	14.3	48.8	88.2	-39.4	Peak	Vertical
	9163.6	34.5	15.3	49.8	74.0	-24.2	Peak	Vertical
	9476.4	34.6	15.4	50.0	74.0	-24.0	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-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7893.7	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
*	8659.4	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9165.4	35.8	15.3	51.1	74.0	-22.9	Peak	Horizontal
	9473.5	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7684.5	34.4	14.6	49.0	88.2	-39.2	Peak	Vertical
*	8695.4	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9153.7	34.4	15.3	49.7	74.0	-24.3	Peak	Vertical
	9473.5	33.8	15.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7815.7	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	8694.5	33.9	14.8	48.7	88.2	-39.5	Peak	Horizontal
	9168.7	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
	9473.5	35.2	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7947.1	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
*	8654.0	33.5	14.8	48.3	88.2	-39.9	Peak	Vertical
	9168.7	34.2	15.3	49.5	74.0	-24.5	Peak	Vertical
	9473.7	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7956.6	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
*	8675.6	33.3	14.8	48.1	88.2	-40.1	Peak	Horizontal
	9168.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9473.6	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7952.4	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
*	8694.3	34.2	14.8	49.0	88.2	-39.2	Peak	Vertical
	9143.5	35.5	15.2	50.7	74.0	-23.3	Peak	Vertical
	9473.9	34.2	15.4	49.6	74.0	-24.4	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-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7983.2	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
*	8648.2	33.8	14.8	48.6	88.2	-39.6	Peak	Horizontal
	9156.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9485.8	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7958.7	33.7	15.0	48.7	88.2	-39.5	Peak	Vertical
*	8869.4	35.4	14.3	49.7	88.2	-38.5	Peak	Vertical
	9158.7	34.0	15.3	49.3	74.0	-24.7	Peak	Vertical
	9476.5	34.8	15.4	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:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7753.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
*	8697.7	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9173.5	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
	9478.6	34.6	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7985.7	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8641.6	33.0	14.8	47.8	88.2	-40.4	Peak	Vertical
	9143.4	34.2	15.2	49.4	74.0	-24.6	Peak	Vertical
	9483.7	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7561.7	34.0	14.7	48.7	88.2	-39.5	Peak	Horizontal
*	8876.7	35.9	14.3	50.2	88.2	-38.0	Peak	Horizontal
	9153.6	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.5	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7769.6	33.1	14.9	48.0	88.2	-40.2	Peak	Vertical
*	8873.3	34.8	14.3	49.1	88.2	-39.1	Peak	Vertical
	9143.7	34.8	15.2	50.0	74.0	-24.0	Peak	Vertical
	9473.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7768.1	33.2	14.9	48.1	88.2	-40.1	Peak	Horizontal
*	8749.3	34.9	14.6	49.5	88.2	-38.7	Peak	Horizontal
	9154.6	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
	9435.7	33.5	15.5	49.0	74.0	-25.0	Peak	Horizontal
*	7815.7	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
*	8653.5	33.7	14.8	48.5	88.2	-39.7	Peak	Vertical
	9166.9	34.1	15.3	49.4	74.0	-24.6	Peak	Vertical
	9487.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7935.6	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
*	8635.2	33.4	14.8	48.2	88.2	-40.0	Peak	Horizontal
	9153.7	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9436.5	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7956.4	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
*	8695.7	34.5	14.8	49.3	88.2	-38.9	Peak	Vertical
	9157.8	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9476.8	35.1	15.4	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	42	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7846.6	33.1	15.1	48.2	88.2	-40.0	Peak	Horizontal
*	8648.7	32.8	14.8	47.6	88.2	-40.6	Peak	Horizontal
	9157.7	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9473.7	34.3	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7814.7	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
*	8698.2	33.8	14.8	48.6	88.2	-39.6	Peak	Vertical
	9165.7	34.8	15.3	50.1	74.0	-23.9	Peak	Vertical
	9473.5	34.2	15.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in 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 – Ant 0+1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	09-23-2014	Relative Humidity	58%
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7815.6	34.5	15.0	49.5	88.2	-38.7	Peak	Horizontal
*	8845.7	35.9	14.2	50.1	88.2	-38.1	Peak	Horizontal
	9143.5	36.1	15.2	51.3	74.0	-22.7	Peak	Horizontal
	9476.7	35.1	15.4	50.5	74.0	-23.5	Peak	Horizontal
*	7956.4	34.3	15.1	49.4	88.2	-38.8	Peak	Vertical
*	8671.5	33.4	14.8	48.2	88.2	-40.0	Peak	Vertical
	9146.3	34.4	15.3	49.7	74.0	-24.3	Peak	Vertical
	9473.8	35.7	15.4	51.1	74.0	-22.9	Peak	Vertical

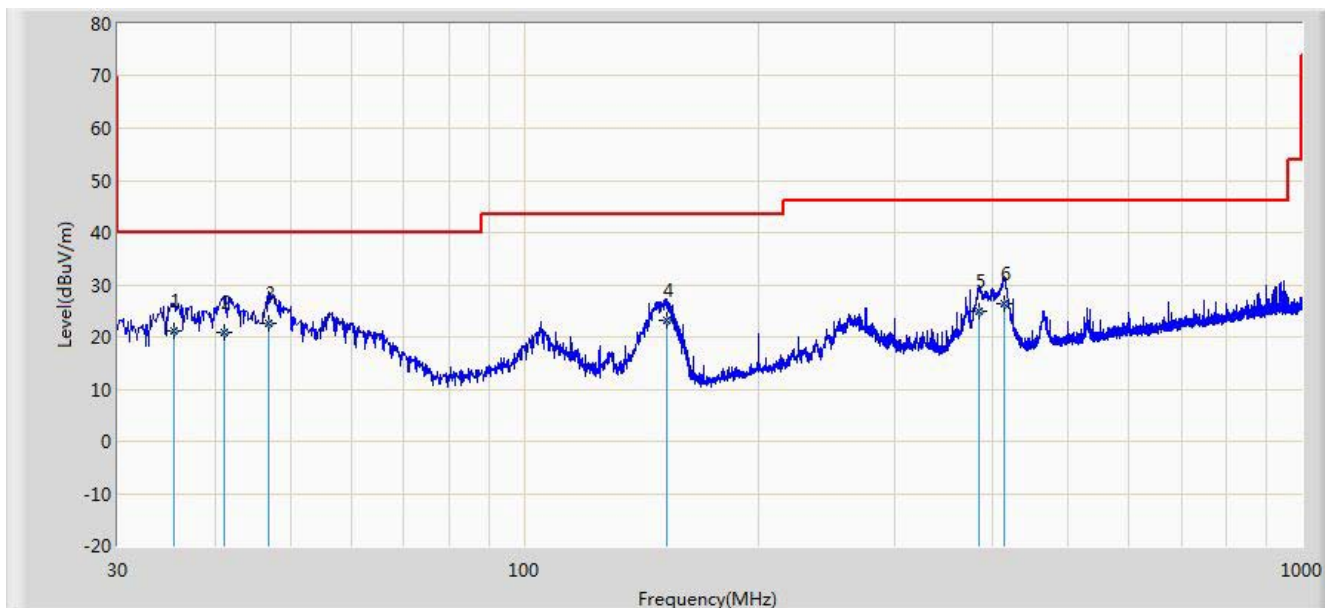
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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: 2014/12/22 - 20:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Knight Lu
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Worse Case Mode : Transmit by 802.11a at channel 5220MHz	

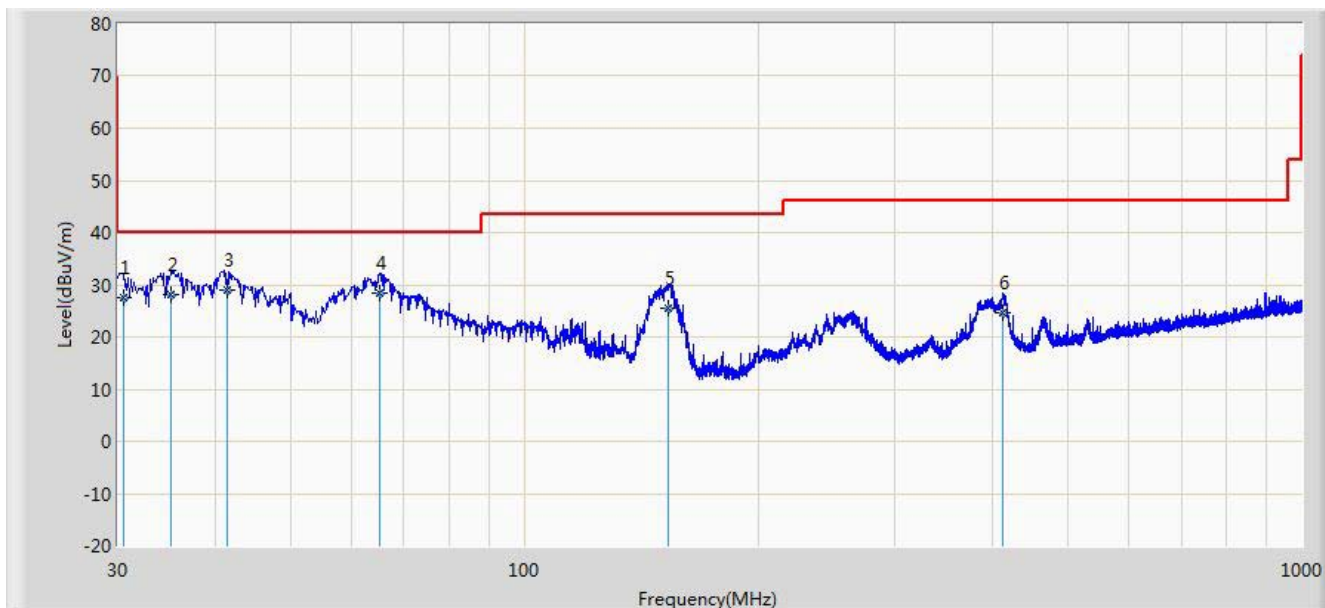


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			35.401	21.219	8.230	-18.781	40.000	12.990	QP
2			41.207	20.903	6.830	-19.097	40.000	14.073	QP
3		*	46.821	22.611	7.654	-17.389	40.000	14.957	QP
4			152.802	23.045	13.500	-20.455	43.500	9.545	QP
5			384.301	25.045	8.730	-20.955	46.000	16.315	QP
6			414.310	26.468	9.600	-19.532	46.000	16.869	QP

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

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

Site: AC1	Time: 2014/12/22 - 21:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Knight Lu
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Worse Case Mode : Transmit by 802.11a at channel 5220MHz	

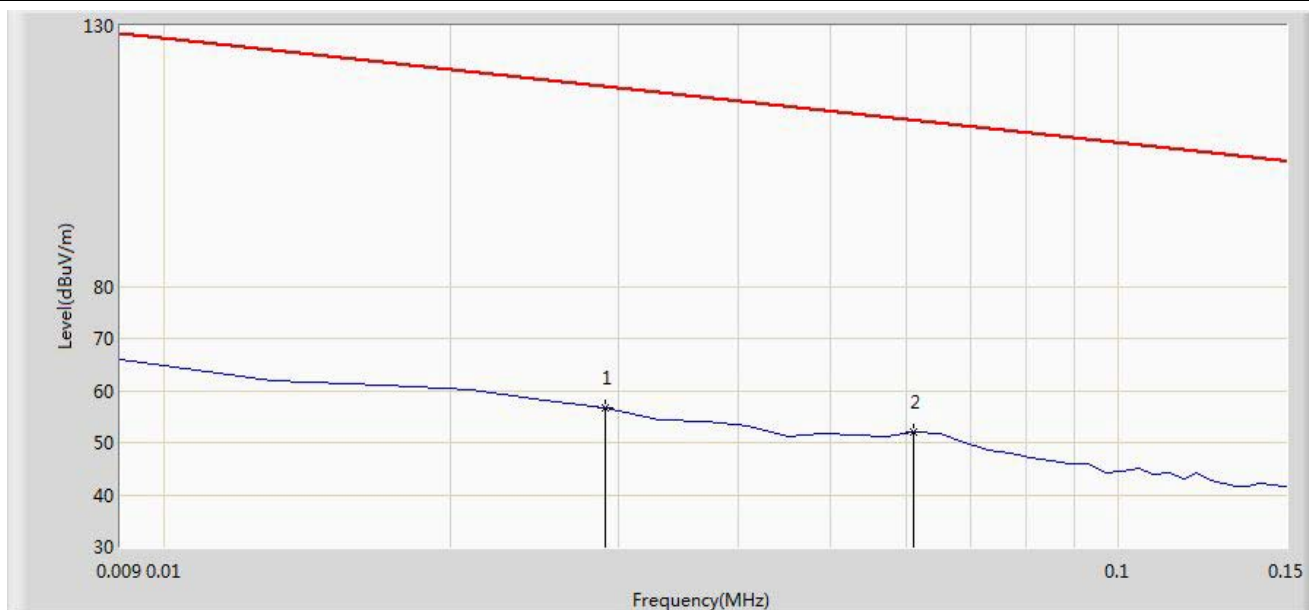


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			30.502	27.489	15.378	-12.511	40.000	12.111	QP
2			35.102	28.165	15.230	-11.835	40.000	12.935	QP
3		*	41.580	29.084	14.940	-10.916	40.000	14.144	QP
4			65.102	28.282	15.800	-11.718	40.000	12.482	QP
5			153.502	25.461	15.890	-18.039	43.500	9.571	QP
6			413.400	24.555	7.700	-21.445	46.000	16.855	QP

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

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

Site: AC1	Time: 2014/12/22 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Altum AC600	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

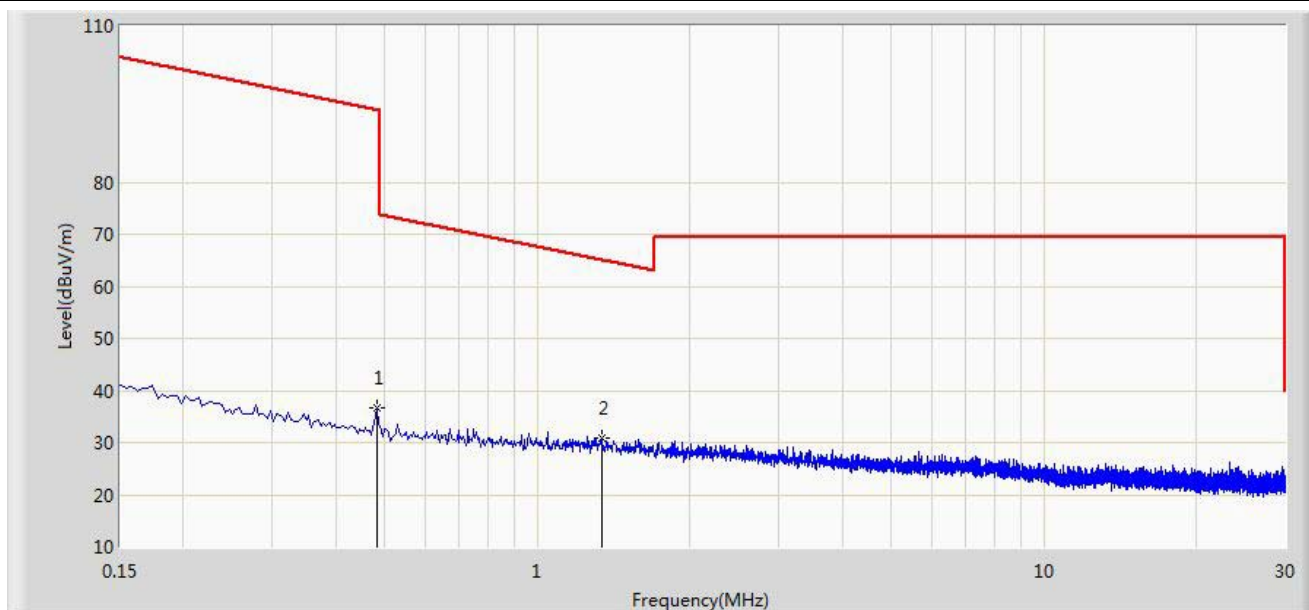


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-62.101	118.711	21.049	QP
2		*	0.061	51.899	31.588	-60.353	112.252	20.311	AV

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

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

Site: AC1	Time: 2014/12/22 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Altum AC600	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

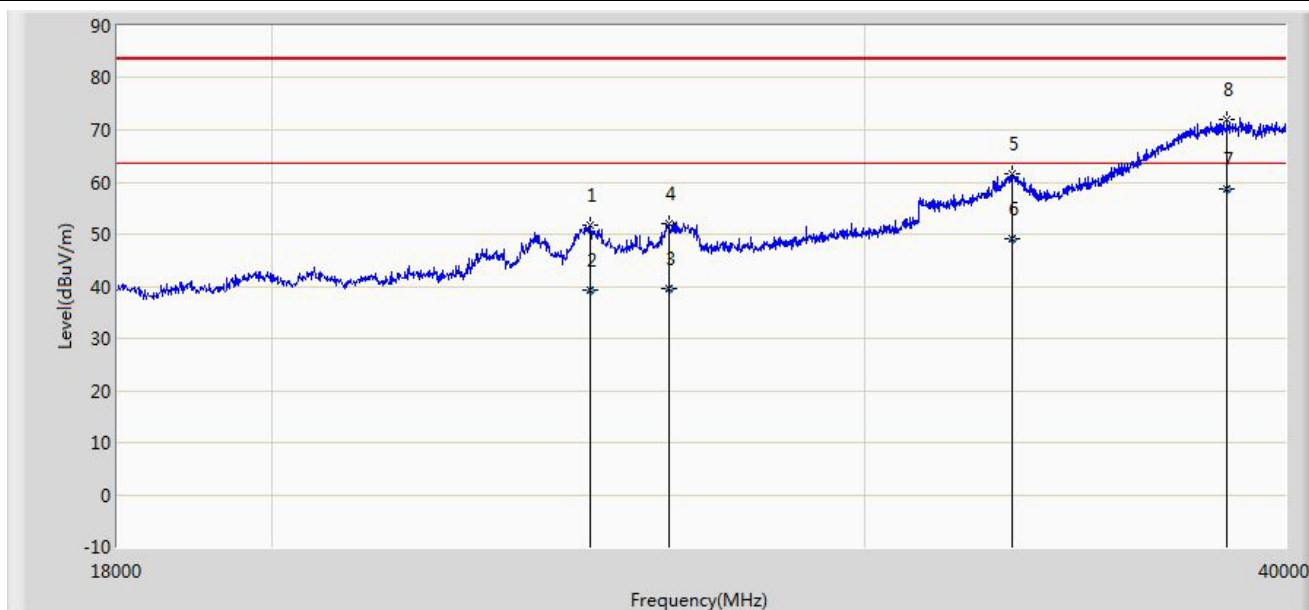


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	AV
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

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

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

Site: AC1	Time: 2014/12/22 - 21:25
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	



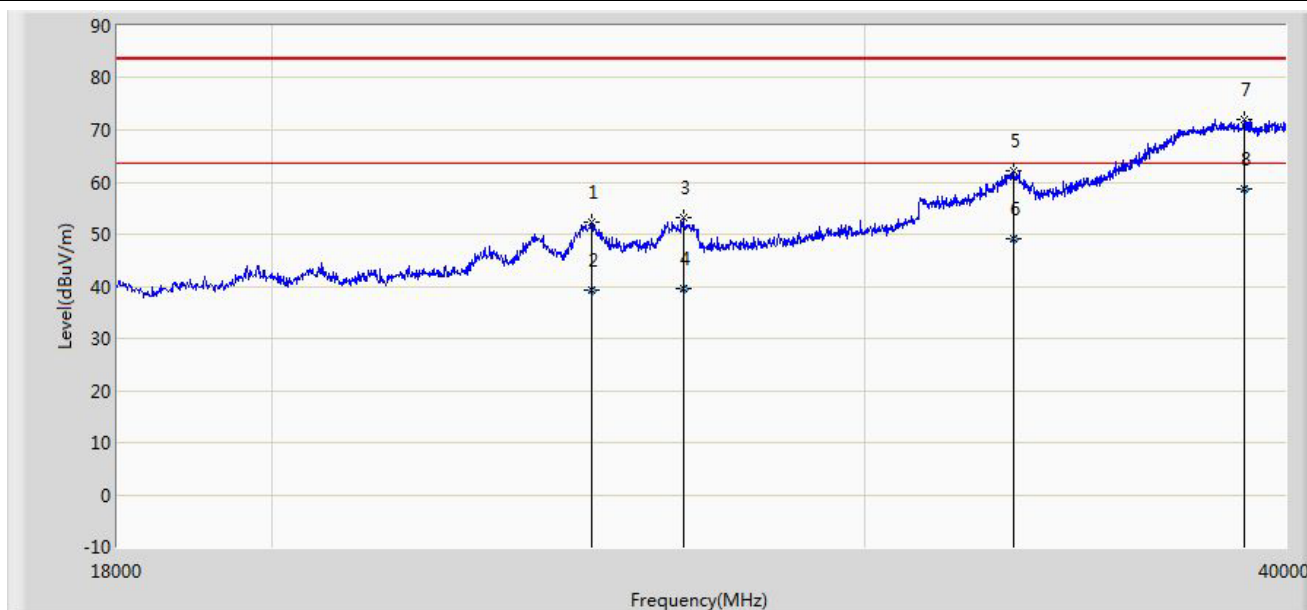
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	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 (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Site: AC1	Time: 2014/12/22 - 21:28
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz

Note: There is the ambient noise within frequency range 18GHz~40GHz.



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 (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

7.8. Radiated Restricted Band Edge Measurement

7.8.1. Test Limit

For 15.205 requirement:

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

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5350	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

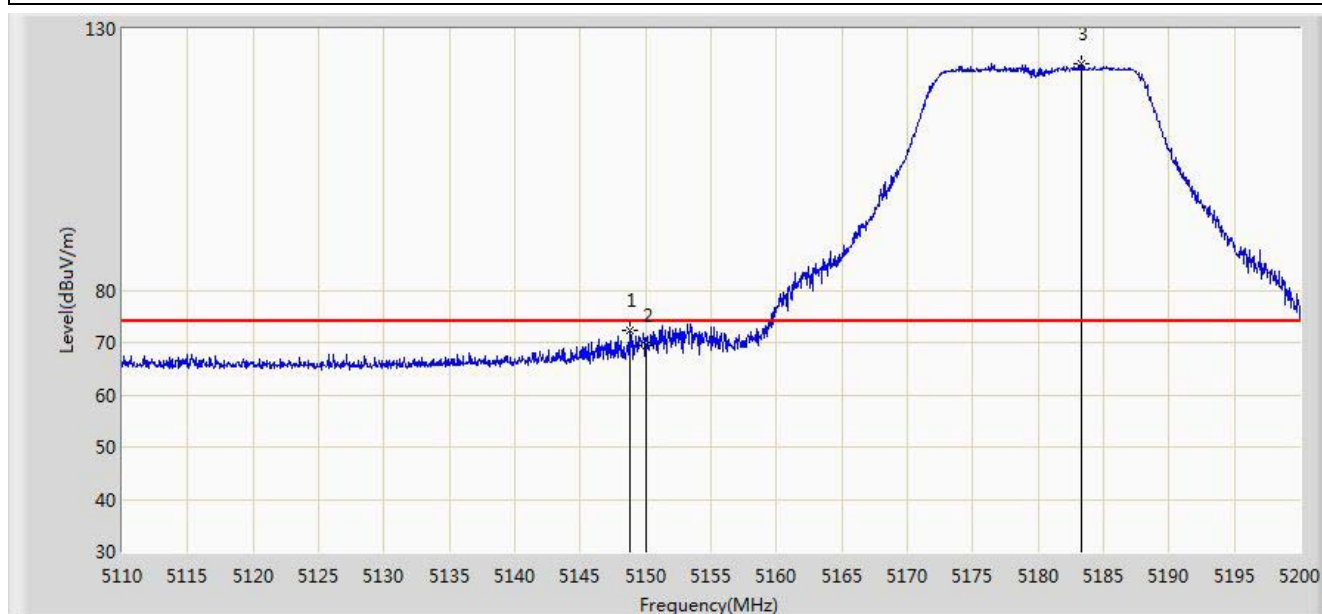
Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission 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 Result of Radiated Restricted Band Edge

Site: AC1	Time: 2014/09/25 - 09:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

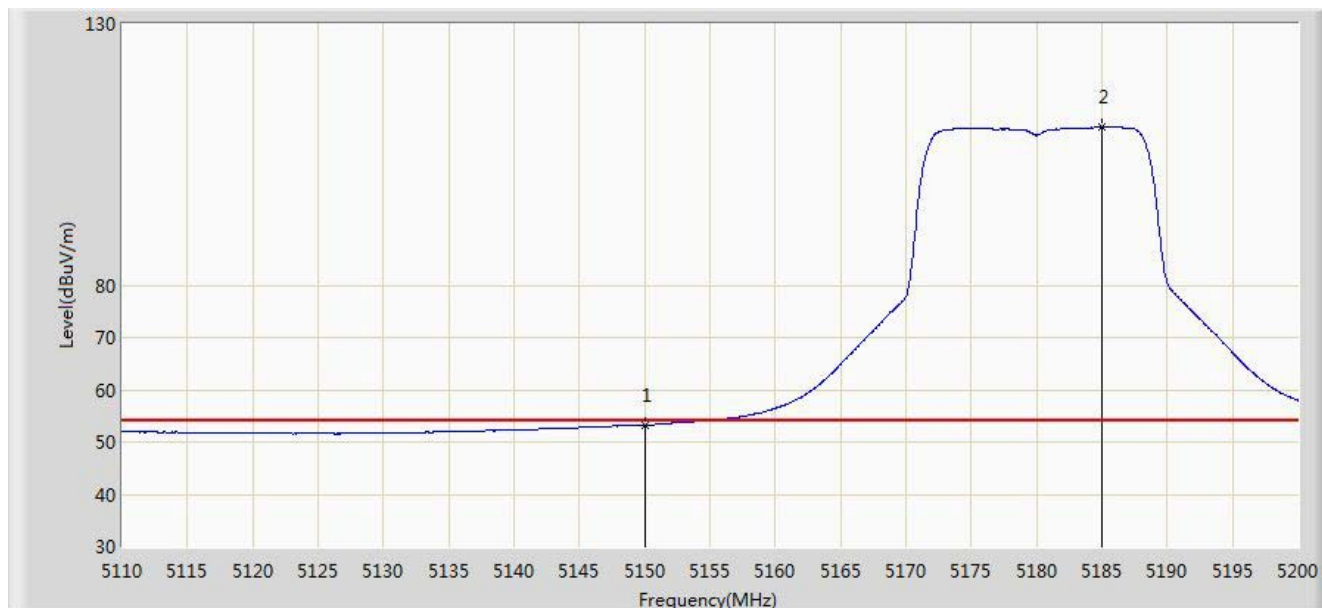


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.745	72.201	65.024	-1.799	74.000	7.177	PK
2			5150.000	69.401	62.225	-4.599	74.000	7.176	PK
3		*	5183.260	123.362	116.329	N/A	N/A	7.034	PK

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

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

Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

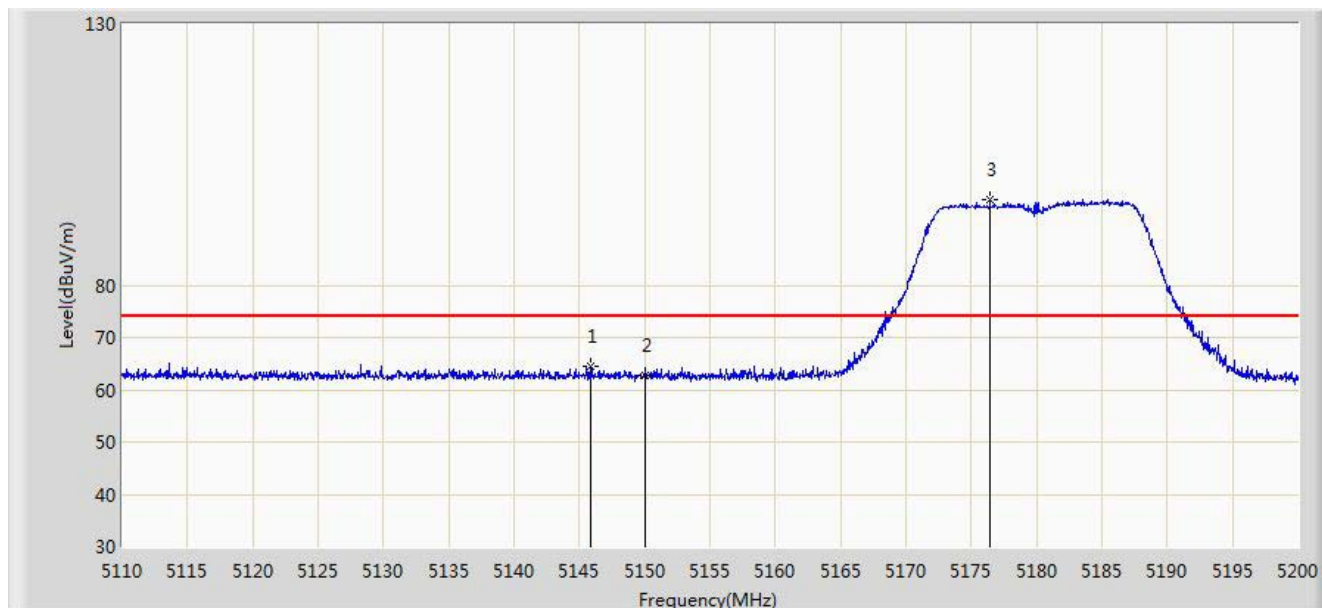


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.233	46.057	-0.767	54.000	7.176	AV
2		*	5184.970	110.210	103.187	N/A	N/A	7.023	AV

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

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

Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

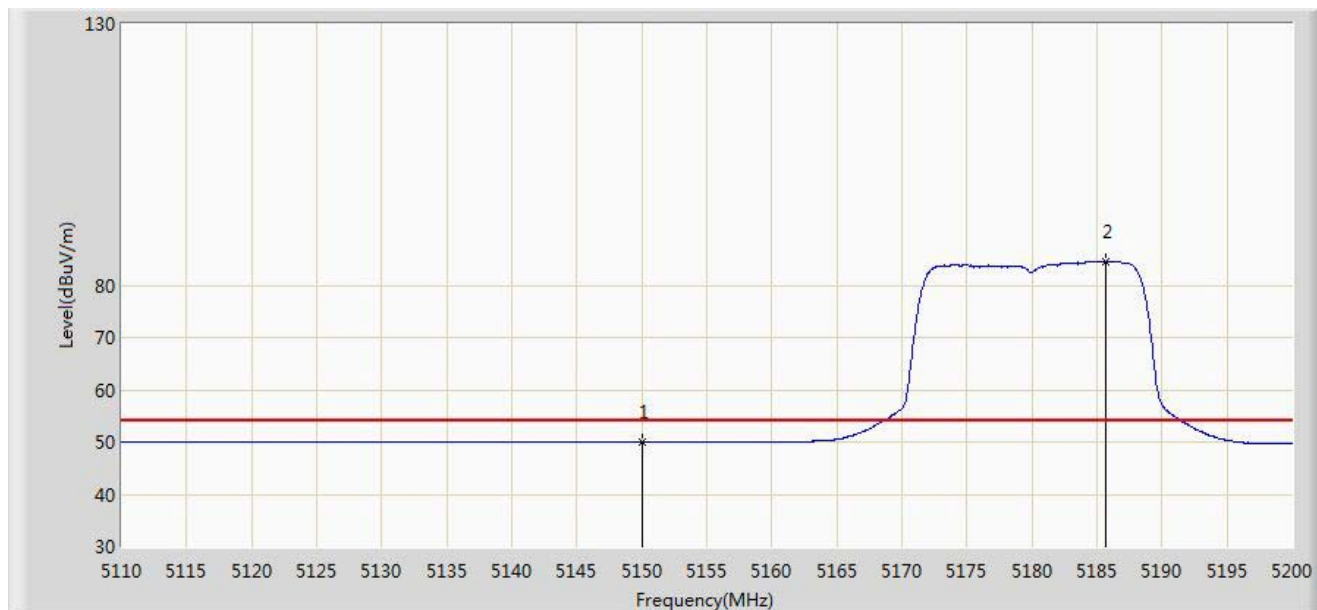


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.820	64.348	57.170	-9.652	74.000	7.178	PK
2			5150.000	62.792	55.616	-11.208	74.000	7.176	PK
3		*	5176.420	96.307	89.229	N/A	N/A	7.077	PK

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

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

Site: AC1	Time: 2014/09/25 - 09:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

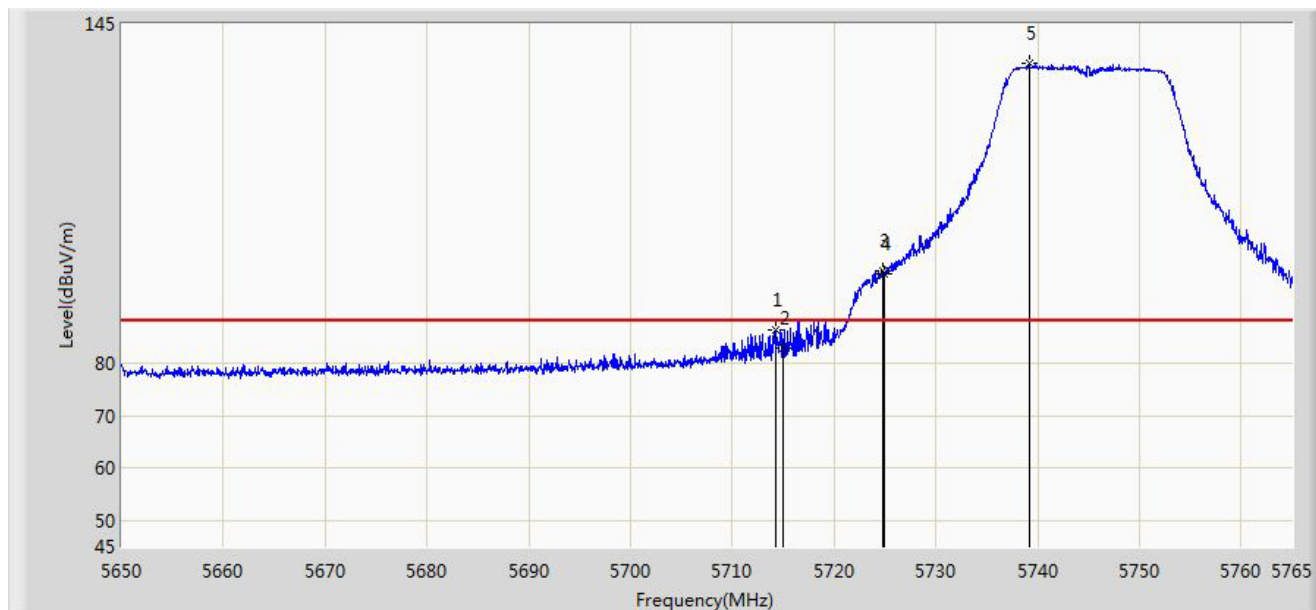


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.014	42.838	-3.986	54.000	7.176	AV
2		*	5185.690	84.543	77.525	N/A	N/A	7.018	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:03
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

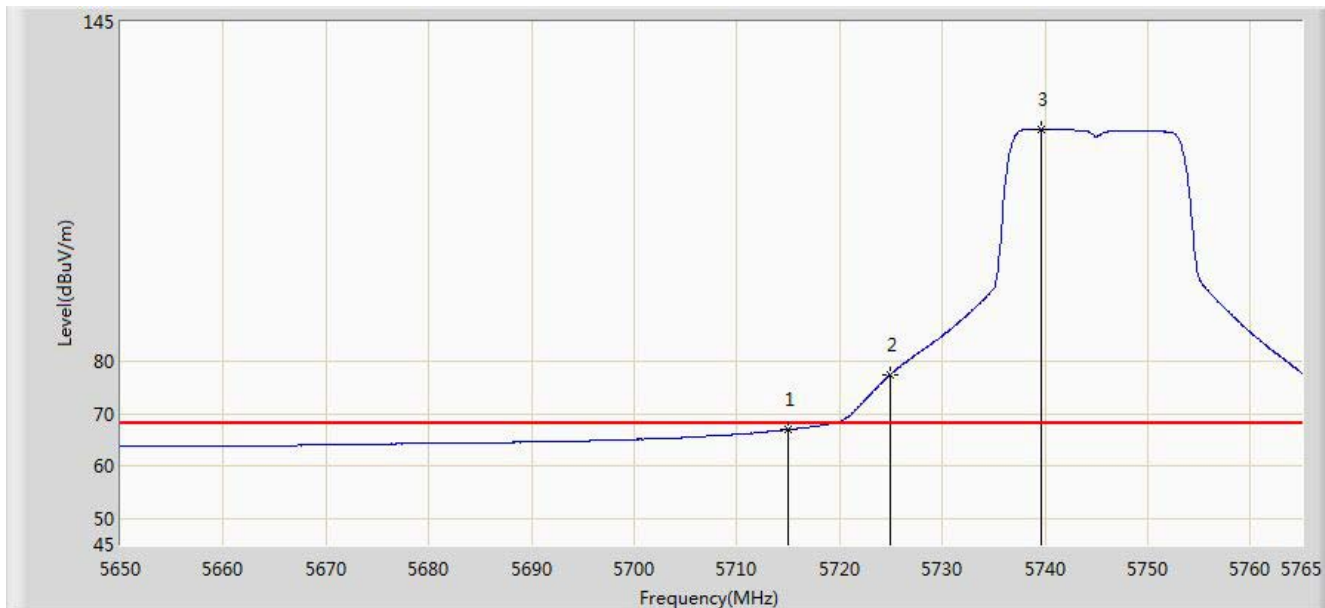


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.285	86.497	78.727	-1.703	88.200	7.770	PK
2			5715.000	83.110	75.338	-5.090	88.200	7.772	PK
3			5724.750	97.760	89.970	-0.440	98.200	7.790	PK
4			5725.000	97.135	89.344	-1.065	98.200	7.791	PK
5		*	5739.183	137.529	129.708	N/A	N/A	7.821	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:08
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

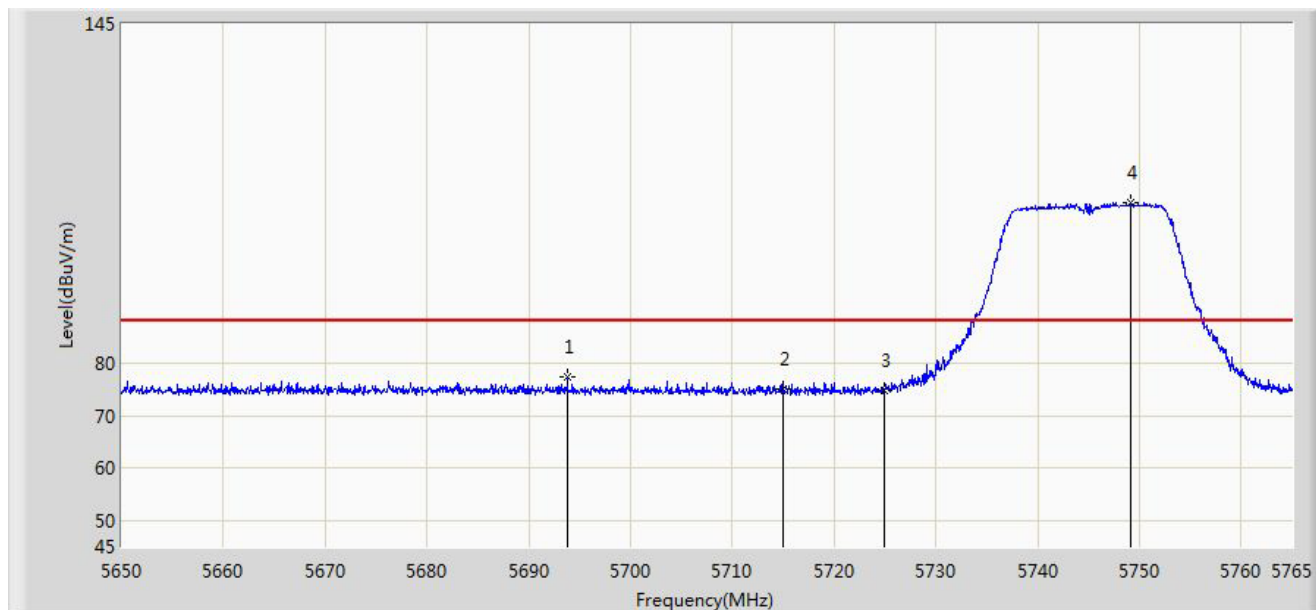


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	66.952	59.180	-1.248	68.200	7.772	AV
2			5725.000	77.551	69.760	9.351	68.200	7.791	AV
3		*	5739.700	124.494	116.672	N/A	N/A	7.822	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:09
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

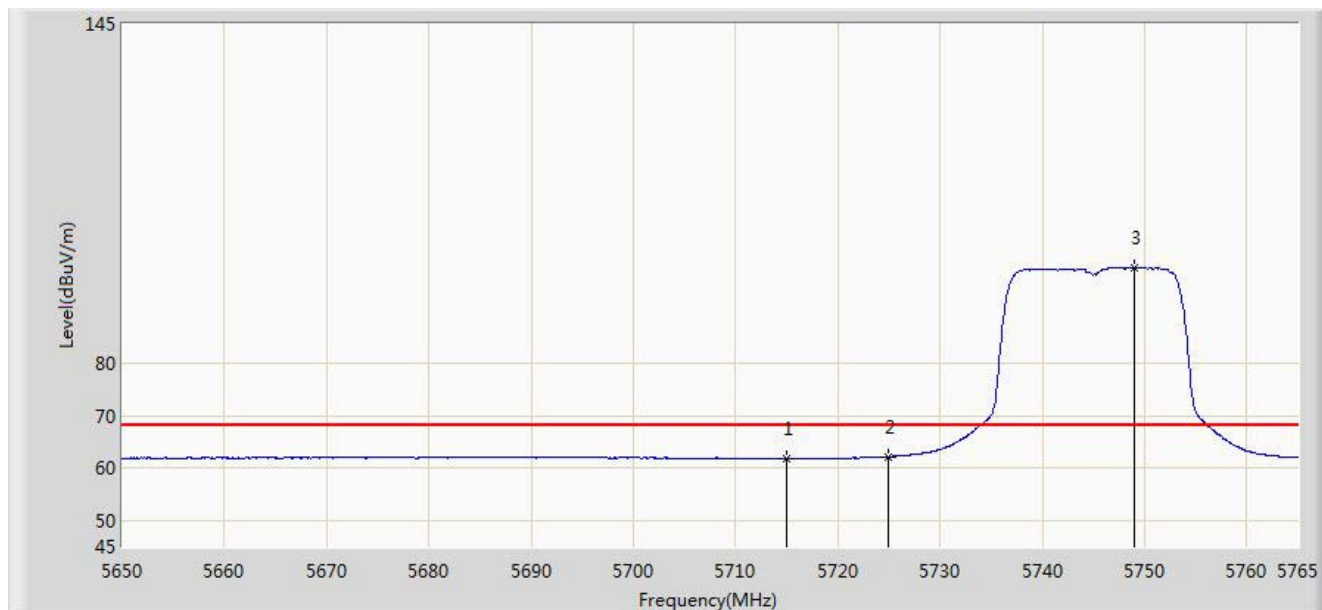


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5693.815	77.378	69.653	-10.822	88.200	7.726	PK
2			5715.000	75.063	67.291	-13.137	88.200	7.772	PK
3			5725.000	74.954	67.163	-23.246	98.200	7.791	PK
4		*	5749.187	110.769	102.927	N/A	N/A	7.842	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:12
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

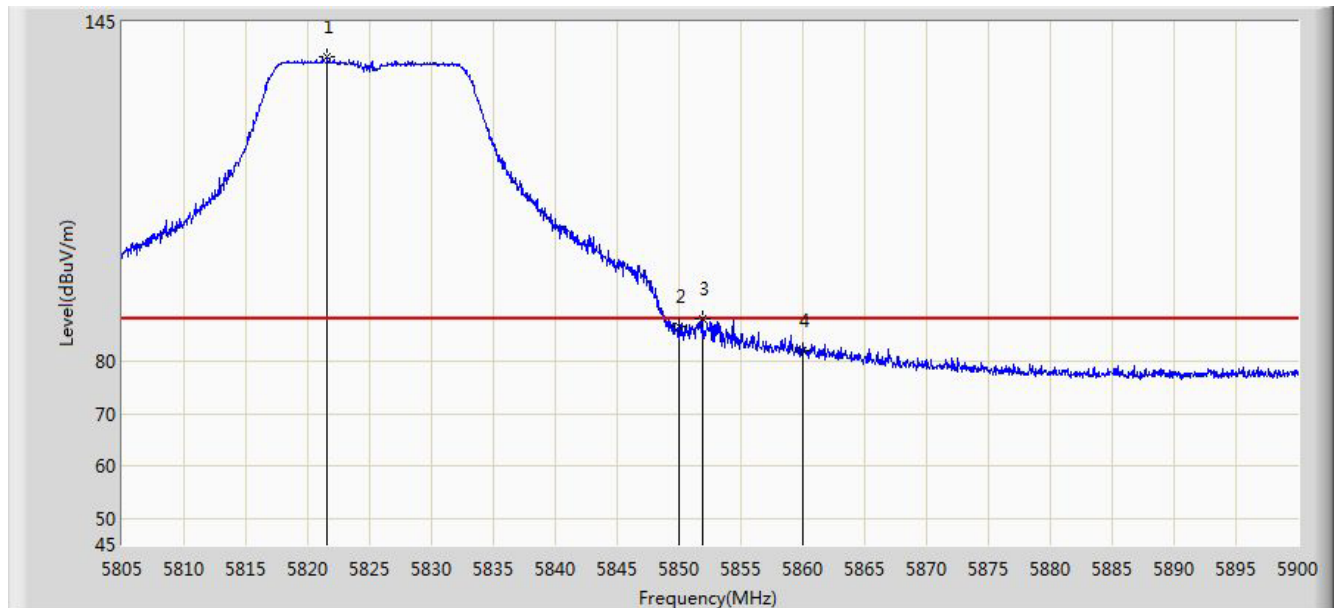


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	61.877	54.105	-6.323	68.200	7.772	AV
2			5725.000	62.202	54.411	-6.998	78.200	7.791	AV
3		*	5749.015	98.432	90.591	N/A	N/A	7.842	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:13
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

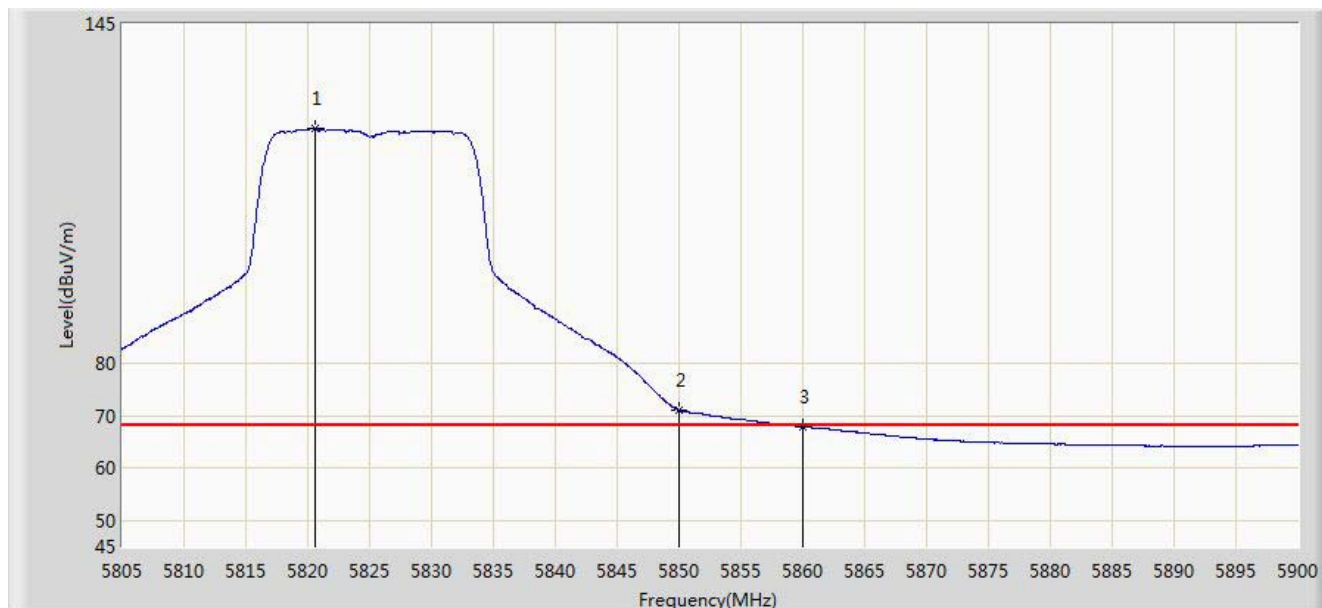


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.578	138.350	130.305	N/A	N/A	8.044	PK
2			5850.000	86.785	78.651	-1.415	98.200	8.134	PK
3			5851.882	88.065	79.921	-0.135	98.200	8.144	PK
4			5860.000	81.980	73.791	-6.220	88.200	8.189	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:18
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

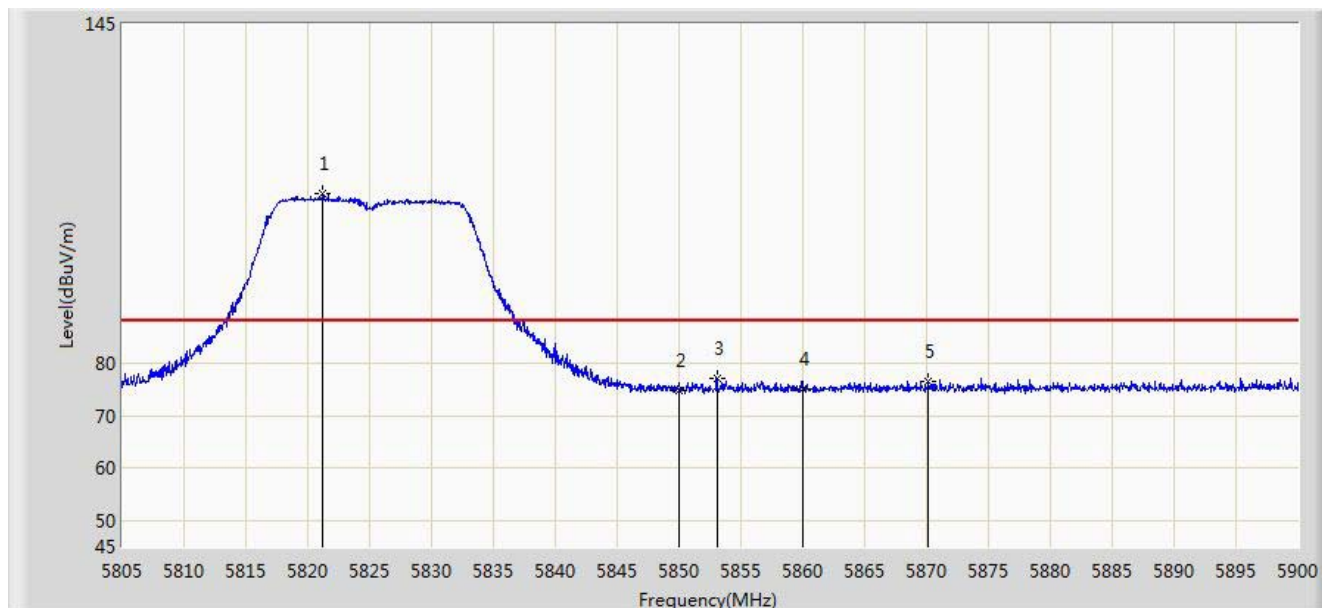


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.627	125.019	116.975	N/A	N/A	8.044	AV
2			5850.000	71.104	62.970	-7.096	78.200	8.134	AV
3			5860.000	67.962	59.773	-0.238	68.200	8.189	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:18
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

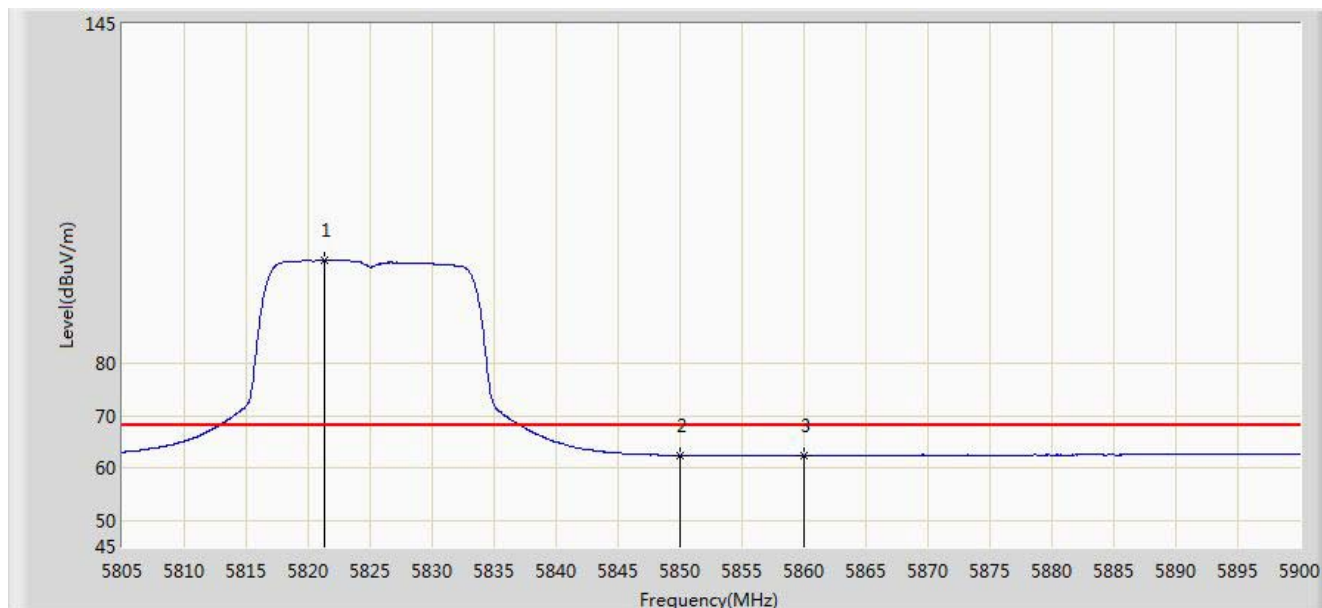


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.245	112.542	104.498	N/A	N/A	8.044	PK
2			5850.000	74.824	66.690	-23.376	98.200	8.134	PK
3			5853.070	77.190	69.039	-21.010	98.200	8.151	PK
4			5860.000	75.143	66.954	-13.057	88.200	8.189	PK
5			5870.170	76.660	68.432	-11.540	88.200	8.228	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:20
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

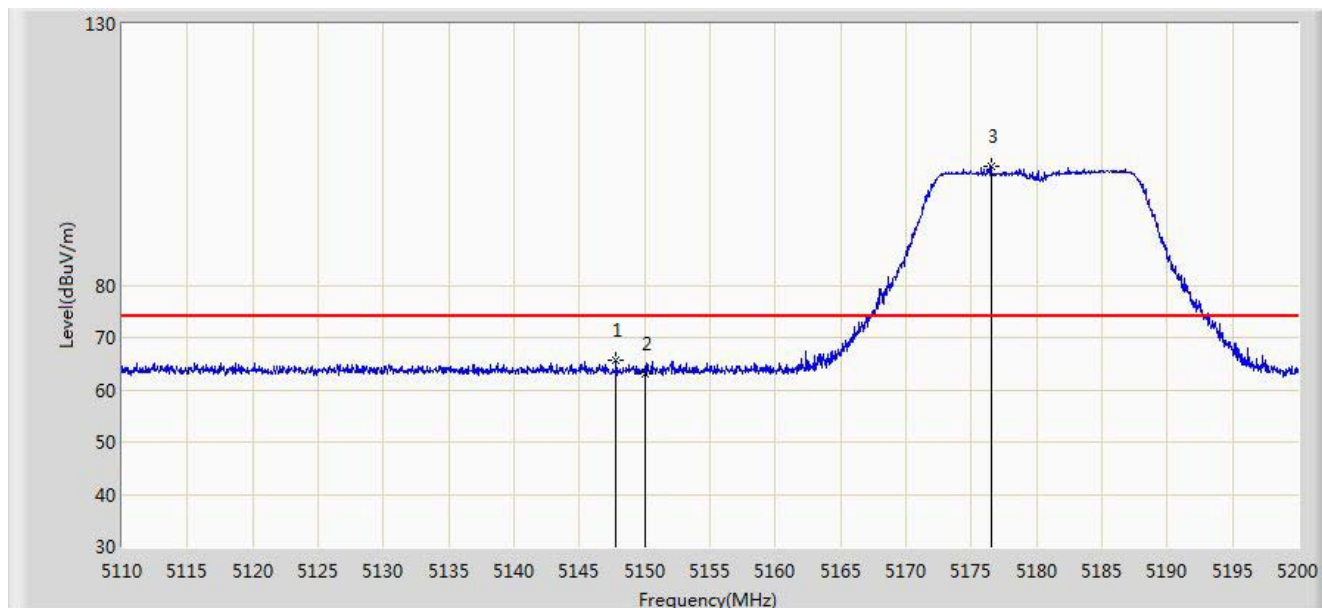


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.340	99.753	91.708	N/A	N/A	8.044	AV
2			5850.000	62.418	54.284	-15.782	78.200	8.134	AV
3			5860.000	62.504	54.315	-5.696	68.200	8.189	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

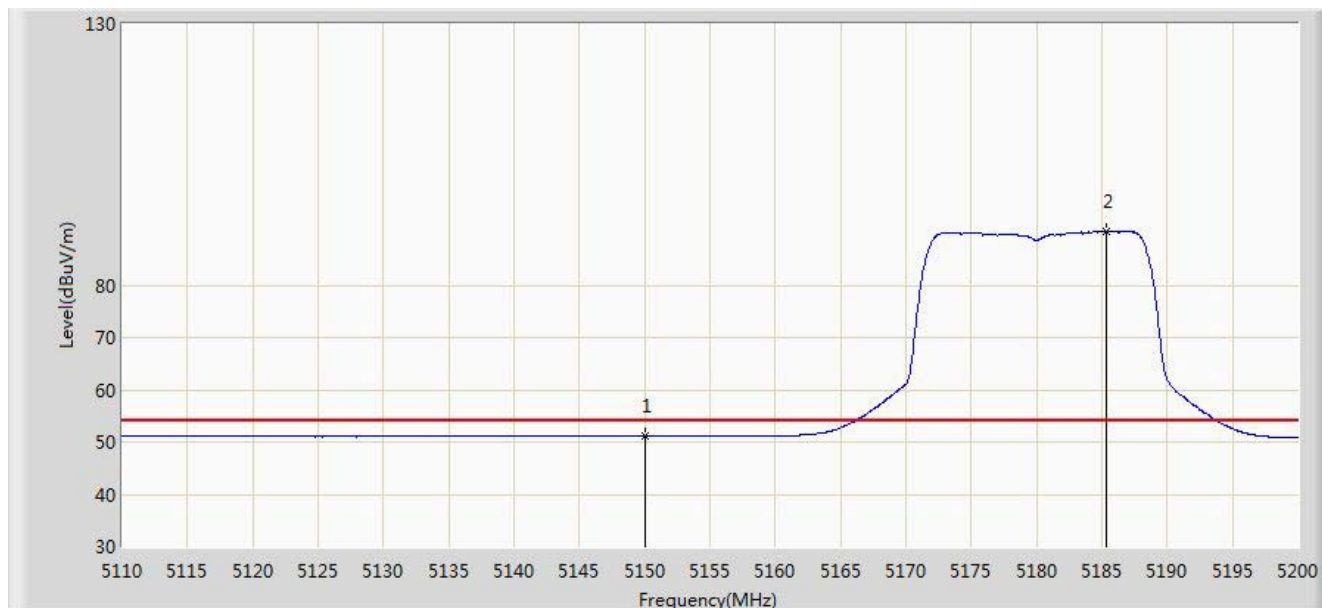


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	65.691	58.514	-8.309	74.000	7.177	PK
2			5150.000	63.140	55.964	-10.860	74.000	7.176	PK
3		*	5176.510	102.798	95.721	N/A	N/A	7.077	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

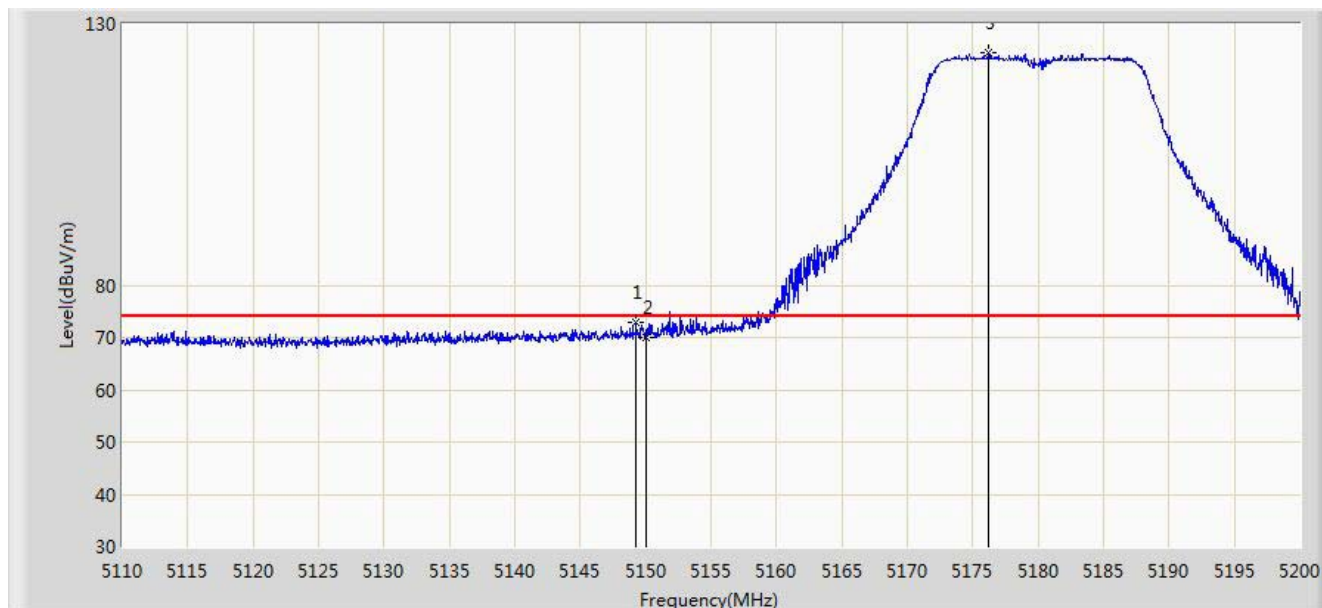


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.093	43.917	-2.907	54.000	7.176	AV
2		*	5185.375	90.345	83.325	N/A	N/A	7.020	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

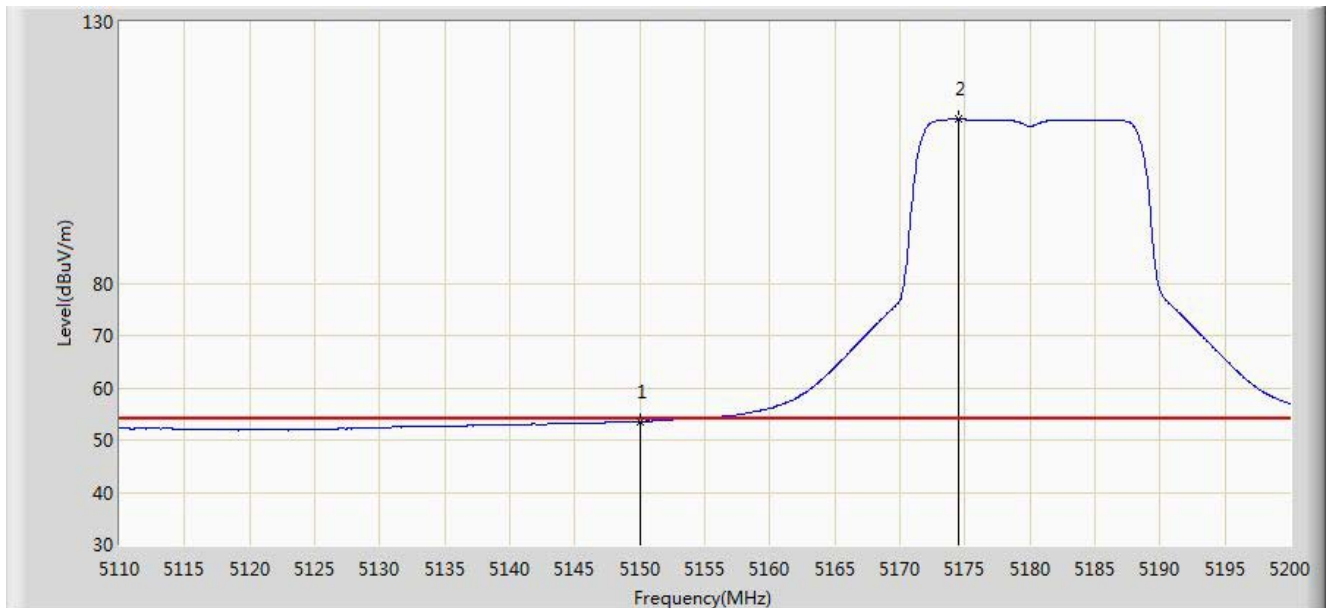


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	72.809	65.632	-1.191	74.000	7.176	PK
2			5150.000	69.885	62.709	-4.115	74.000	7.176	PK
3		*	5176.240	124.386	117.307	N/A	N/A	7.079	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

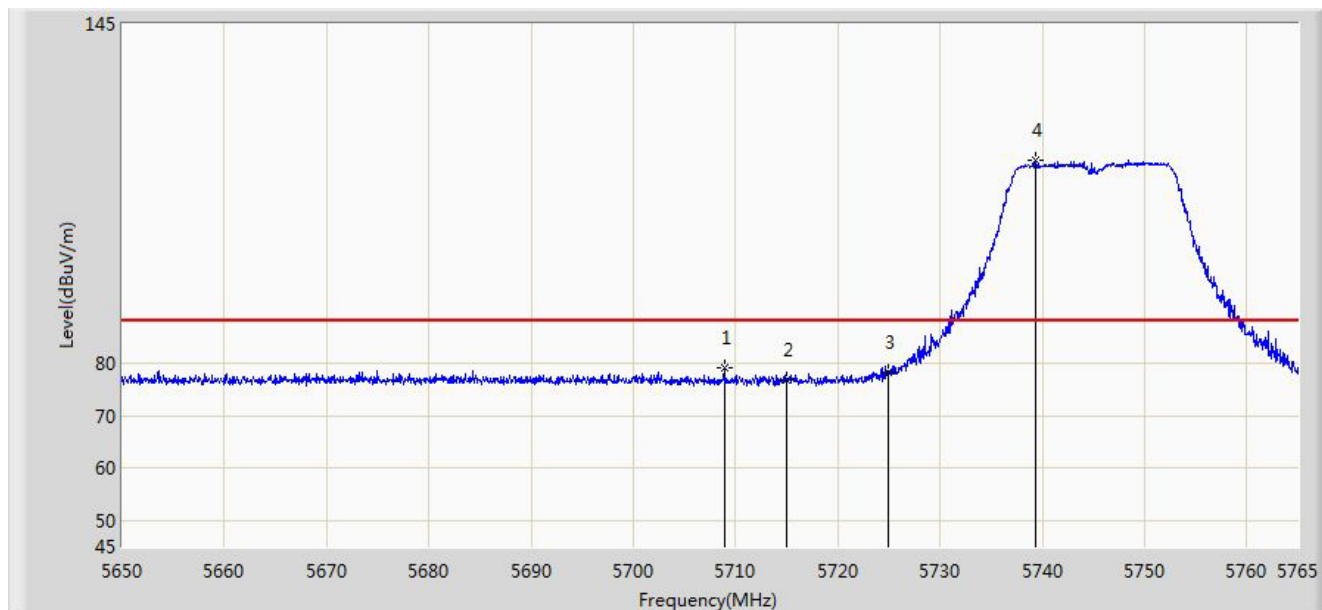


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.566	46.390	-0.434	54.000	7.176	AV
2		*	5174.485	111.322	104.231	N/A	N/A	7.091	AV

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

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

Site: AC1	Time: 2014/09/25 - 10:34
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

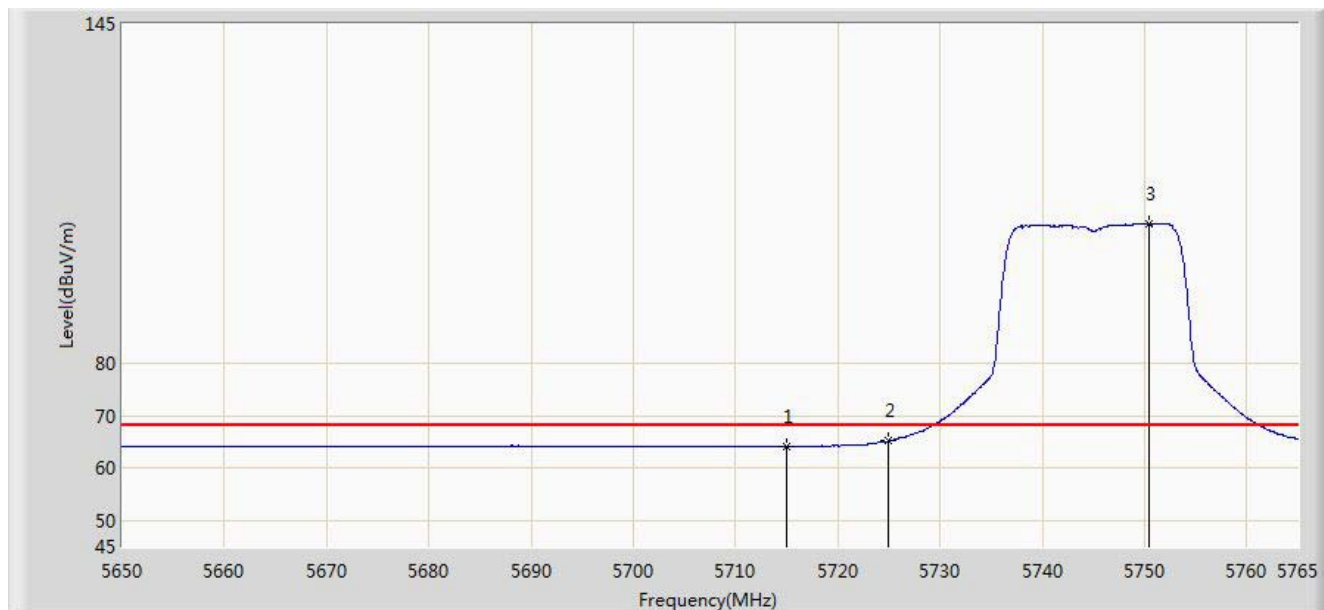


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5708.880	79.221	71.461	-8.979	88.200	7.760	PK
2			5715.000	77.004	69.232	-11.196	88.200	7.772	PK
3			5725.000	78.421	70.630	-19.779	98.200	7.791	PK
4		*	5739.297	118.940	111.118	N/A	N/A	7.821	PK

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

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

Site: AC1	Time: 2014/09/25 - 10:35
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

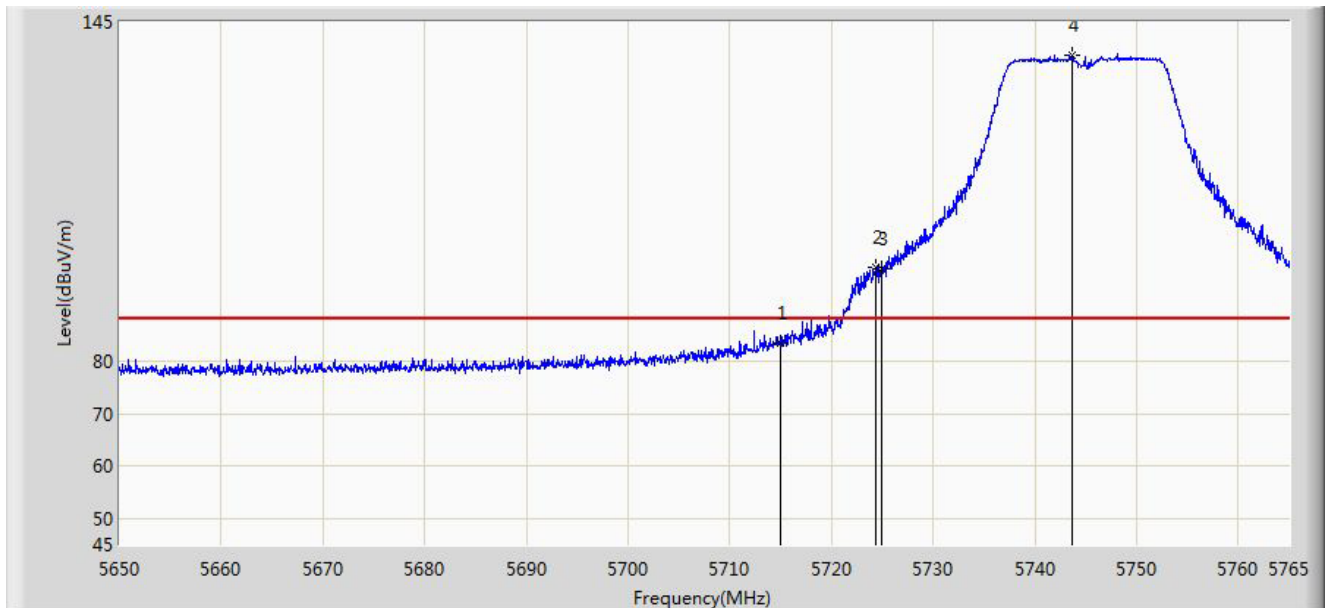


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.206	56.434	-3.994	68.200	7.772	AV
2			5725.000	65.215	57.424	-12.985	78.200	7.791	AV
3		*	5750.453	106.838	98.994	N/A	N/A	7.844	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:02
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

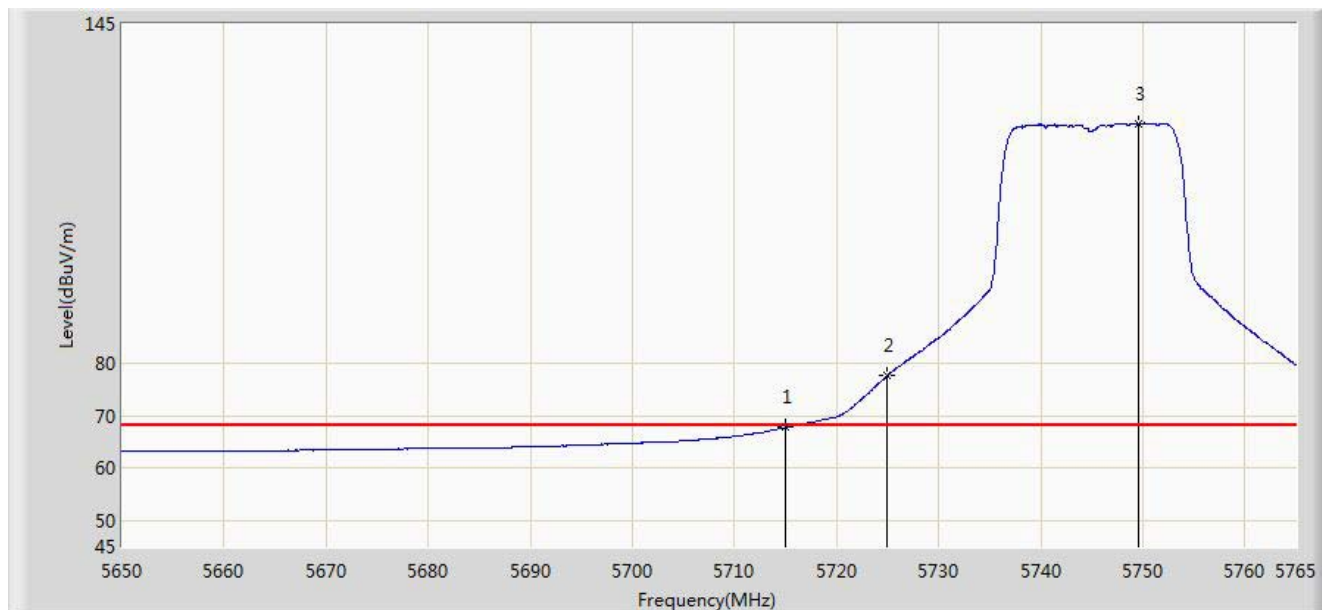


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	83.609	75.837	-4.591	88.200	7.772	PK
2			5724.405	98.025	90.235	-0.175	98.200	7.790	PK
3			5725.000	97.808	90.017	-0.392	98.200	7.791	PK
4		*	5743.725	138.664	130.834	N/A	N/A	7.830	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:03
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

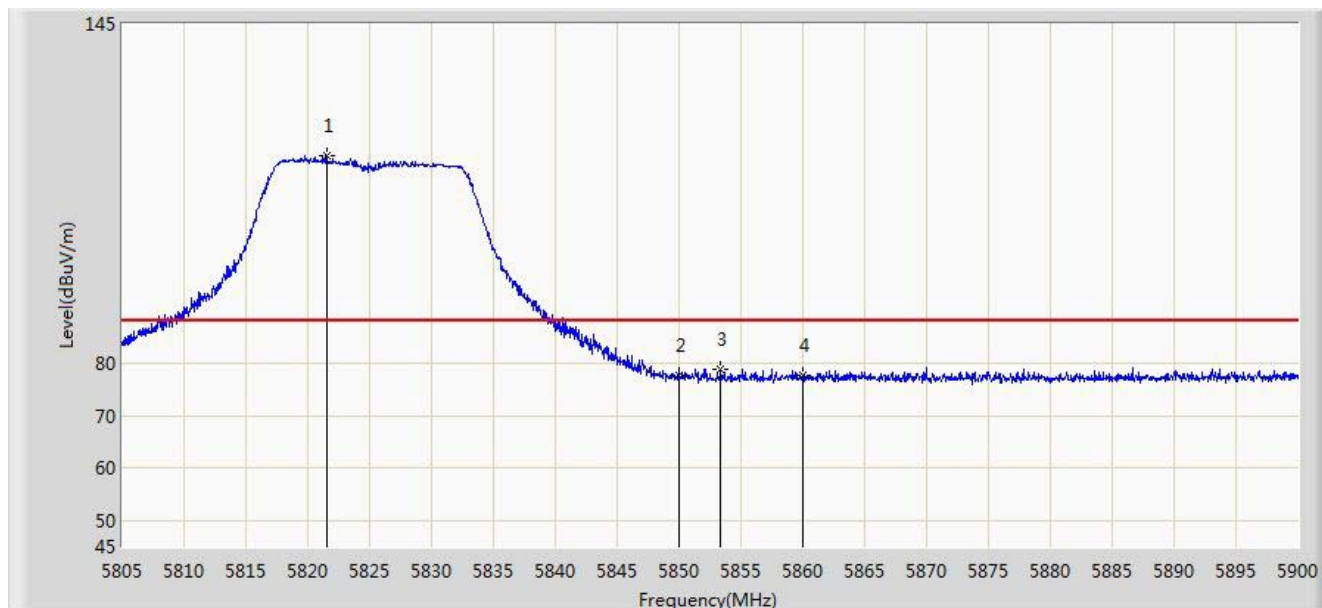


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.778	60.006	-0.422	68.200	7.772	AV
2			5725.000	77.760	69.969	-0.440	78.200	7.791	AV
3		*	5749.533	125.938	118.095	N/A	N/A	7.843	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:05
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

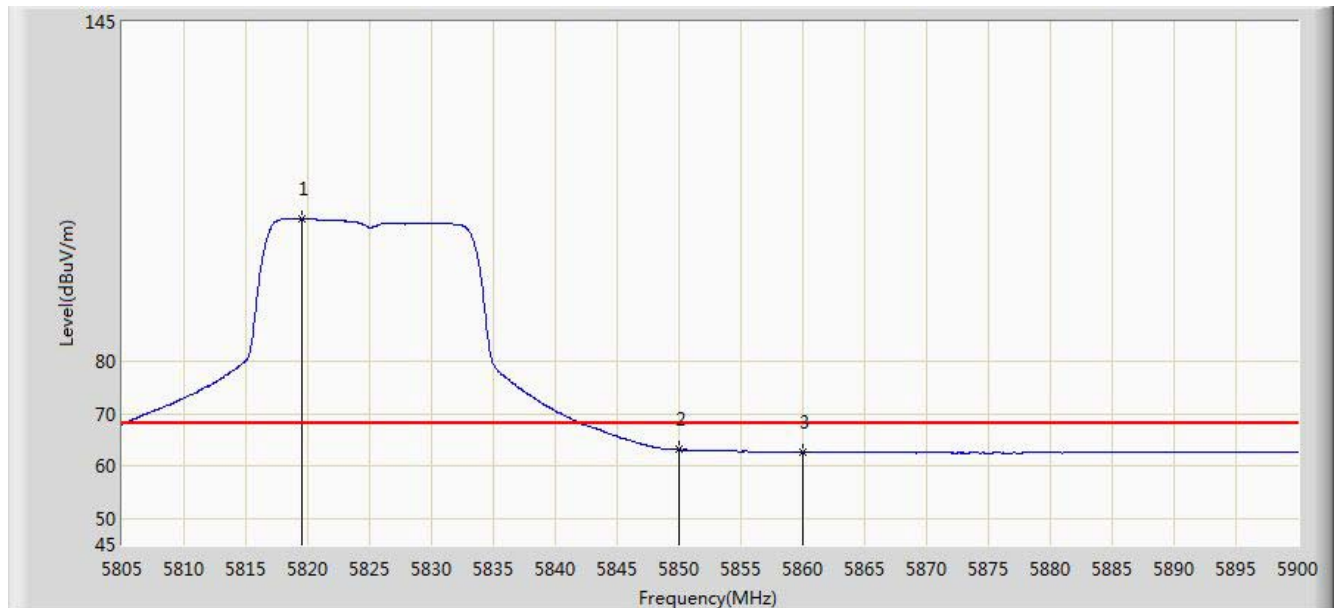


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.530	119.830	111.785	N/A	N/A	8.045	PK
2			5850.000	77.649	69.515	-20.551	98.200	8.134	PK
3			5853.355	79.029	70.877	-19.171	98.200	8.153	PK
4			5860.000	77.648	69.459	-10.552	88.200	8.189	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:06
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

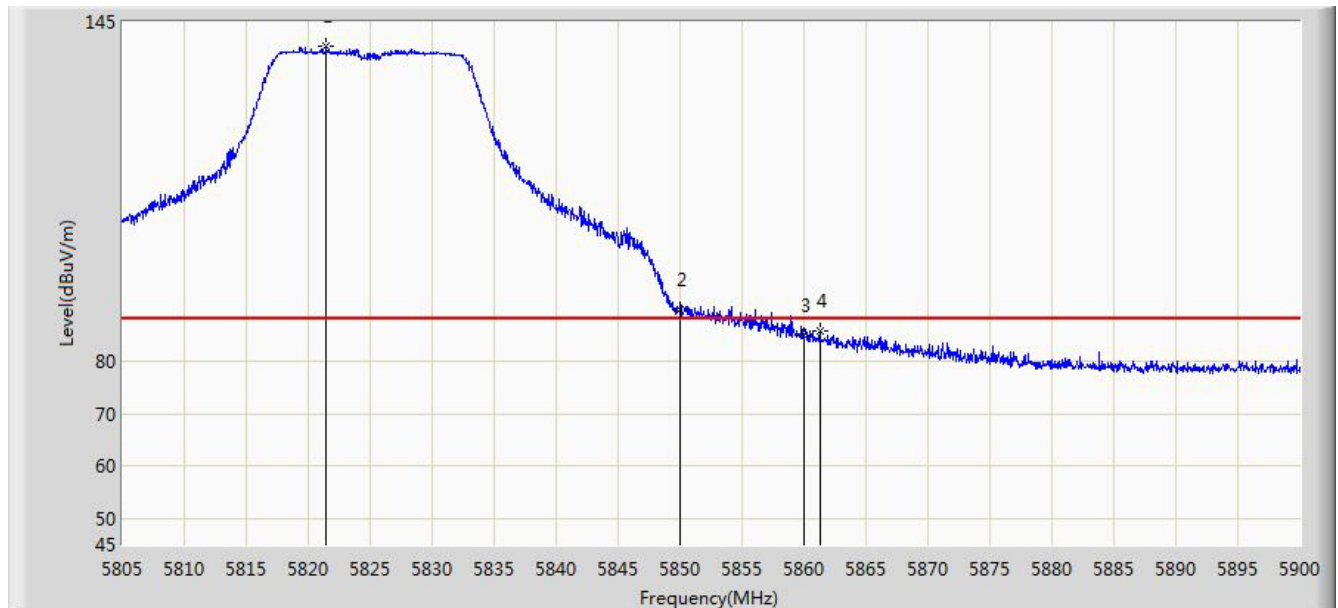


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.583	107.386	99.344	N/A	N/A	8.042	AV
2			5850.000	63.146	55.012	-15.054	78.200	8.134	AV
3			5860.000	62.675	54.486	-5.525	68.200	8.189	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:07
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

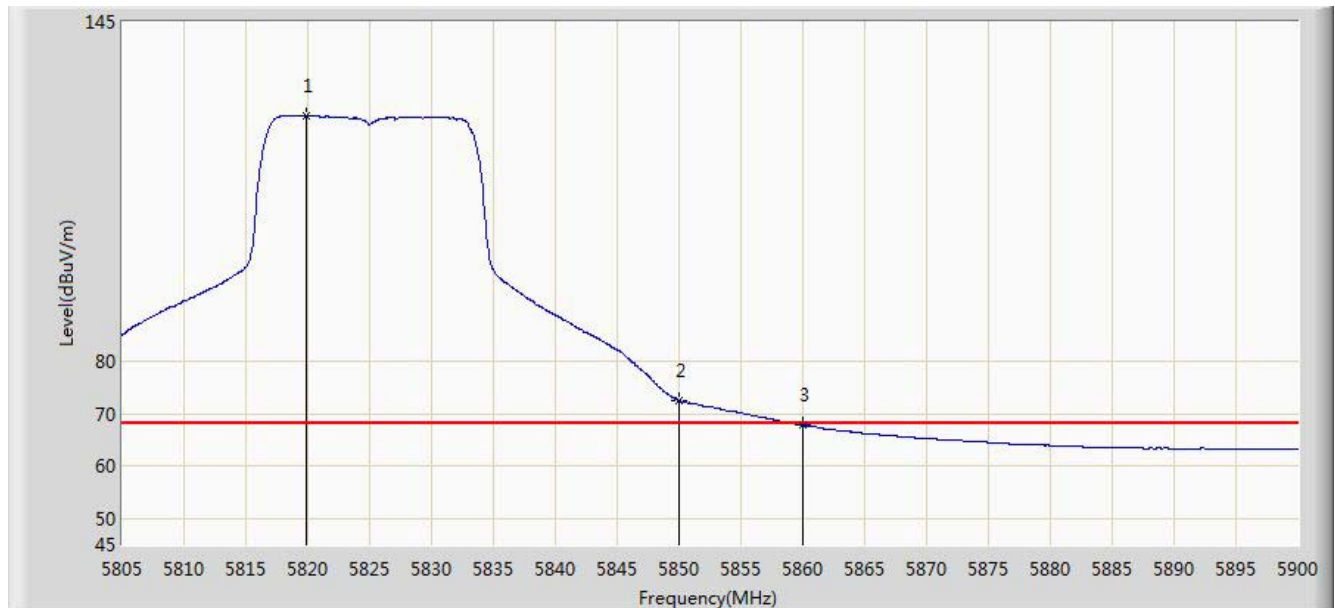


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.482	140.382	132.337	N/A	N/A	8.045	PK
2			5850.000	90.047	81.913	-8.153	98.200	8.134	PK
3			5860.000	84.940	76.751	-3.260	88.200	8.189	PK
4			5861.288	85.851	77.655	-2.349	88.200	8.196	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:14
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

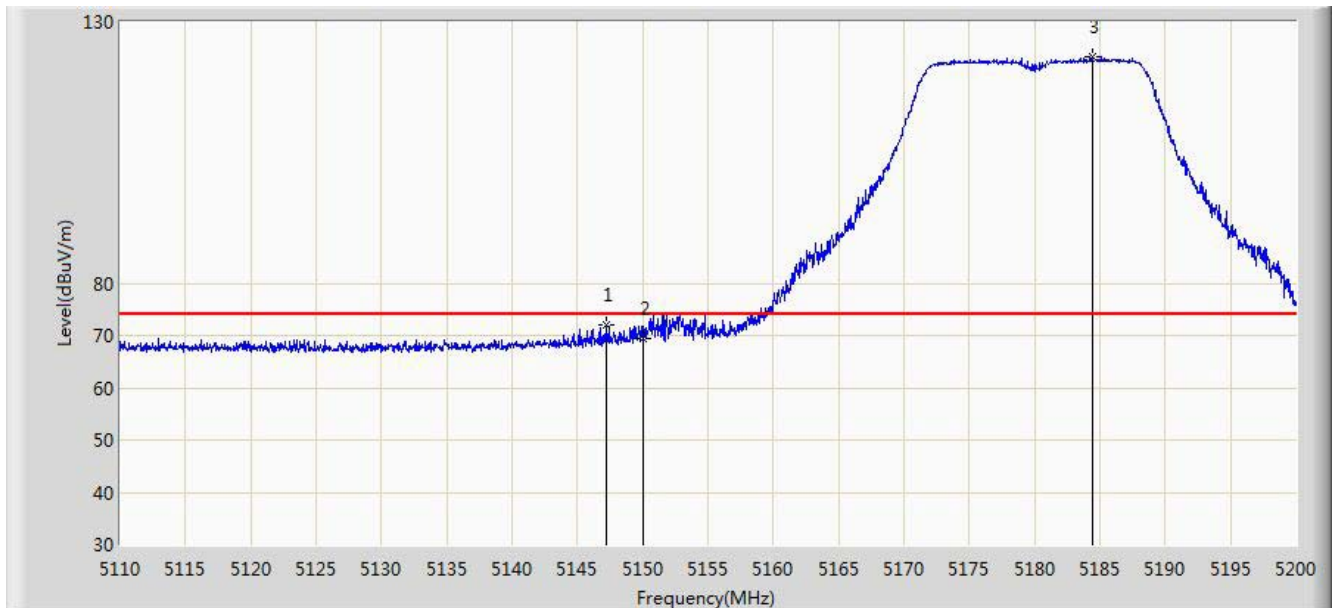


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.868	127.091	119.048	N/A	N/A	8.043	AV
2			5850.000	72.613	64.479	-5.587	78.200	8.134	AV
3			5860.000	67.827	59.638	-0.373	68.200	8.189	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

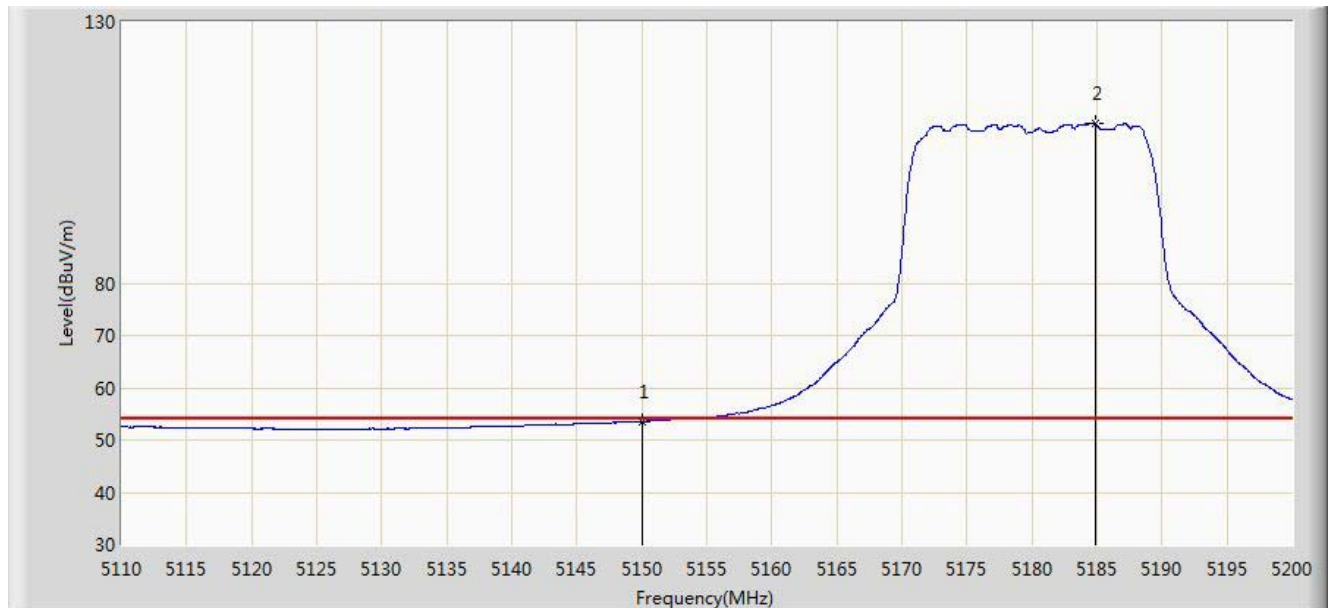


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.260	71.959	64.782	-2.041	74.000	7.177	PK
2			5150.000	69.327	62.151	-4.673	74.000	7.176	PK
3		*	5184.430	123.411	116.385	N/A	N/A	7.027	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

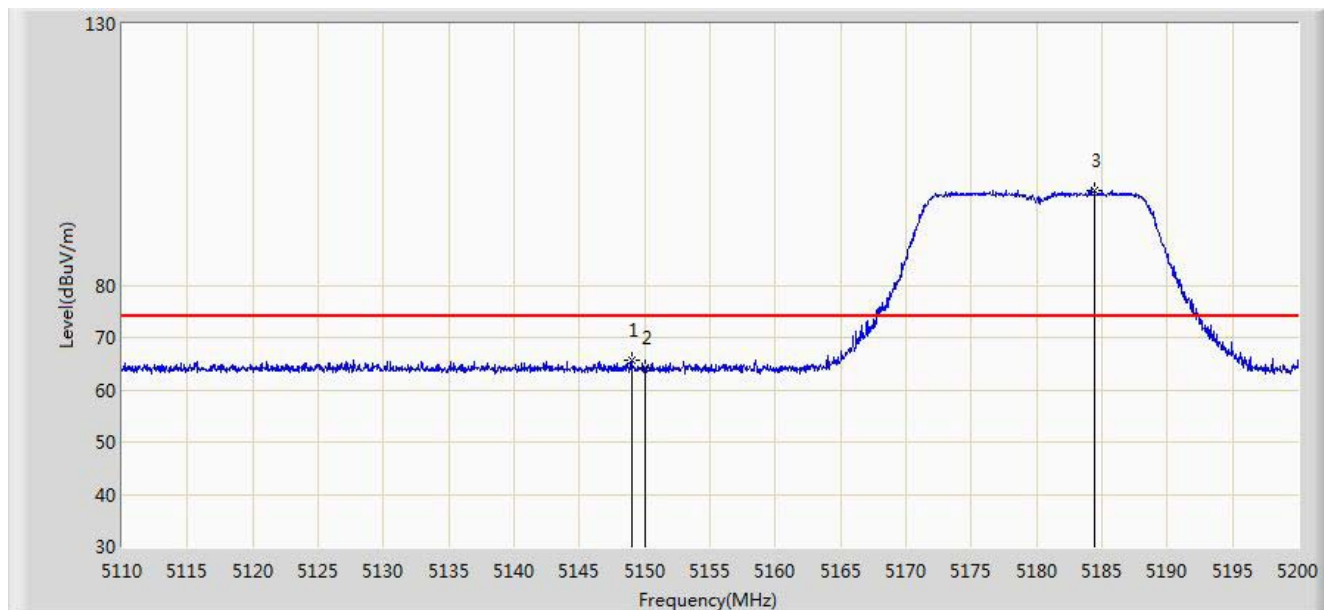


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.527	46.351	-0.473	54.000	7.176	AV
2		*	5184.835	110.553	103.529	N/A	N/A	7.023	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

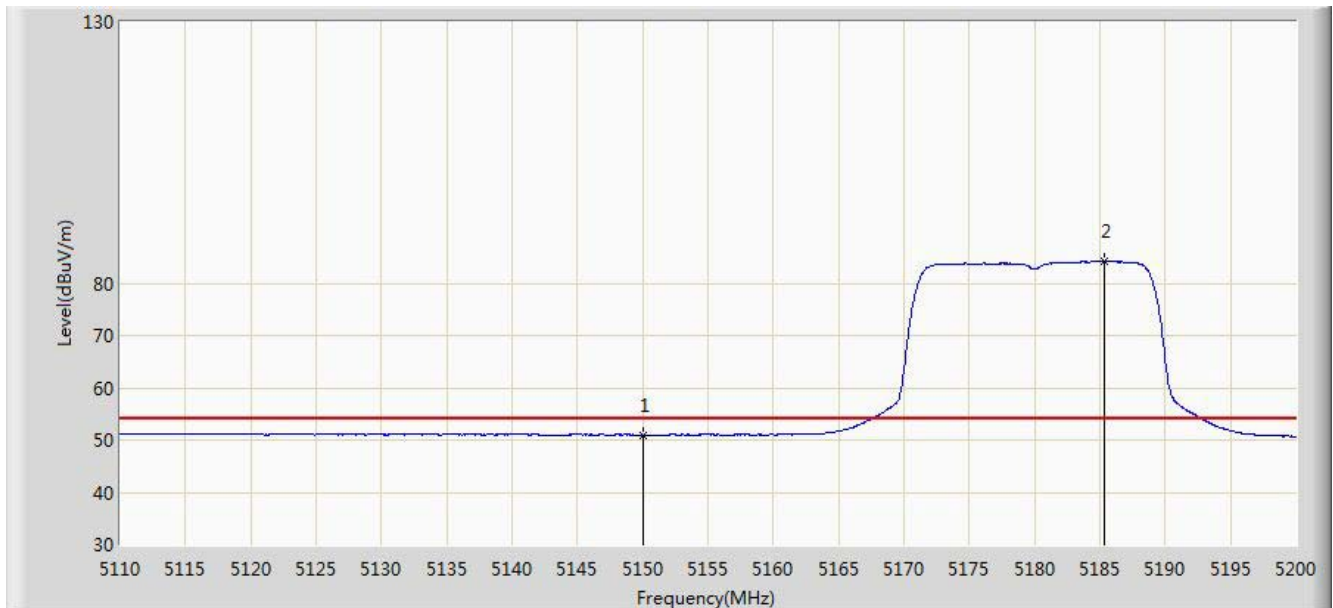


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.970	65.634	58.457	-8.366	74.000	7.176	PK
2			5150.000	64.264	57.088	-9.736	74.000	7.176	PK
3		*	5184.430	98.201	91.175	N/A	N/A	7.027	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

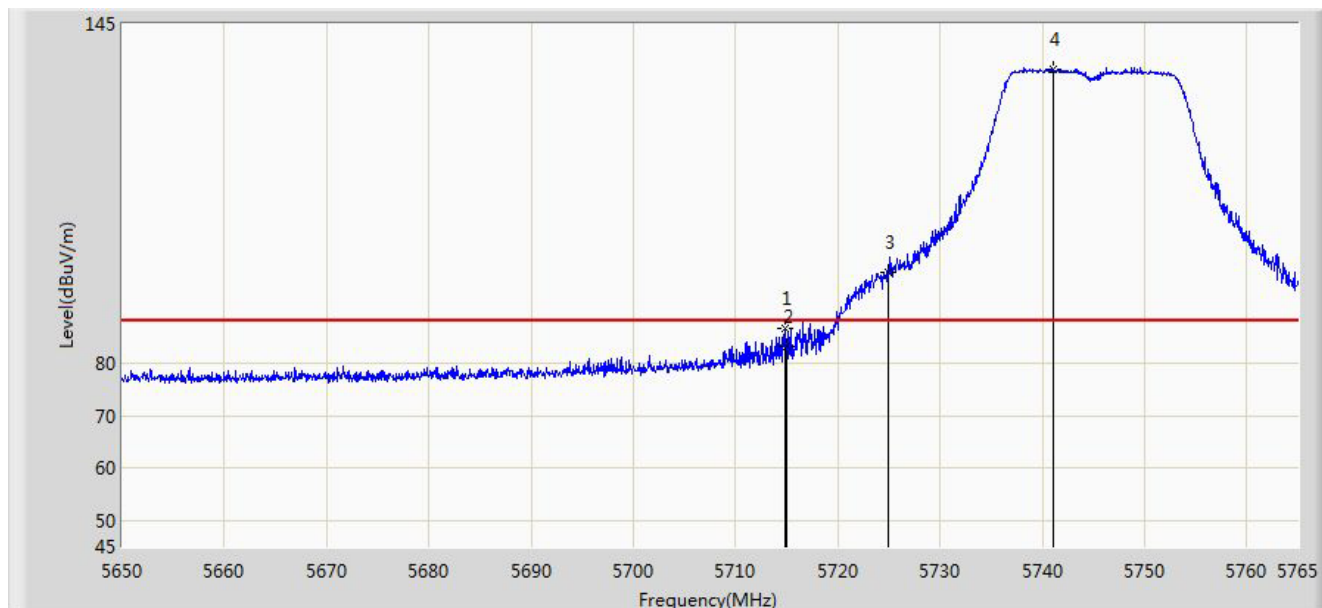


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.954	43.778	-3.046	54.000	7.176	AV
2		*	5185.375	84.198	77.178	N/A	N/A	7.020	AV

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

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

Site: AC1	Time: 2014/09/25 - 11:41
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

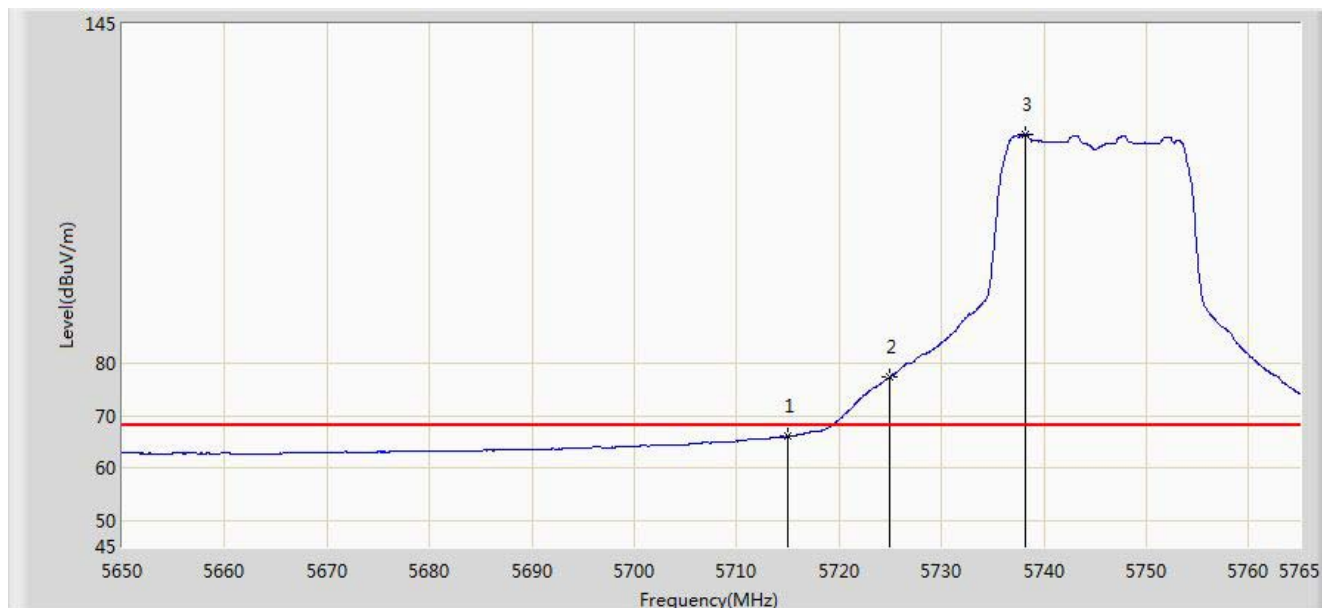


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.917	86.806	79.035	-1.394	88.200	7.771	PK
2			5715.000	83.168	75.396	-5.032	88.200	7.772	PK
3			5725.000	97.587	89.796	-0.613	98.200	7.791	PK
4		*	5741.138	136.188	128.362	N/A	N/A	7.826	PK

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

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

Site: AC1	Time: 2014/09/25 - 11:42
Limit: FCC_15.407_RE(3m)	Engineer: Milo Li
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Altum AC600	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.051	58.279	-2.149	68.200	7.772	AV
2		*	5725.000	77.469	69.678	-0.731	78.200	7.791	AV
3		*	5739.700	124.494	116.672	56.294	68.200	7.822	AV

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

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