

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

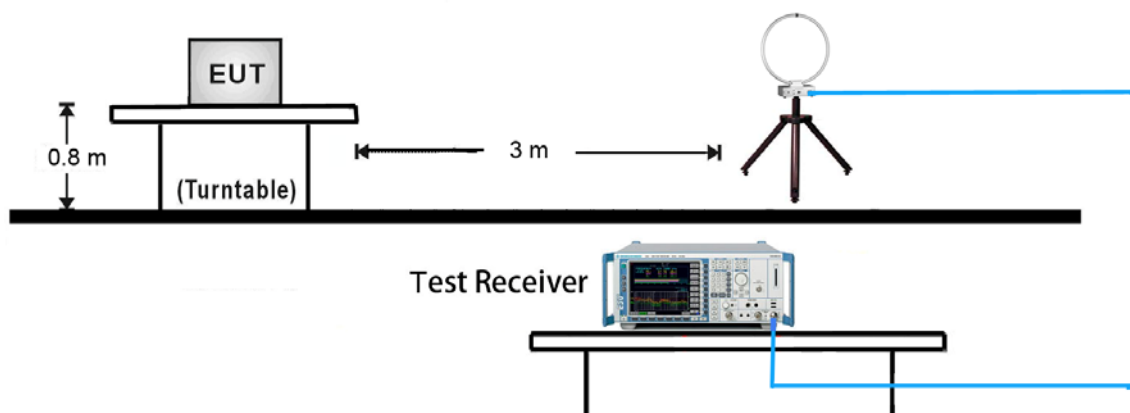
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

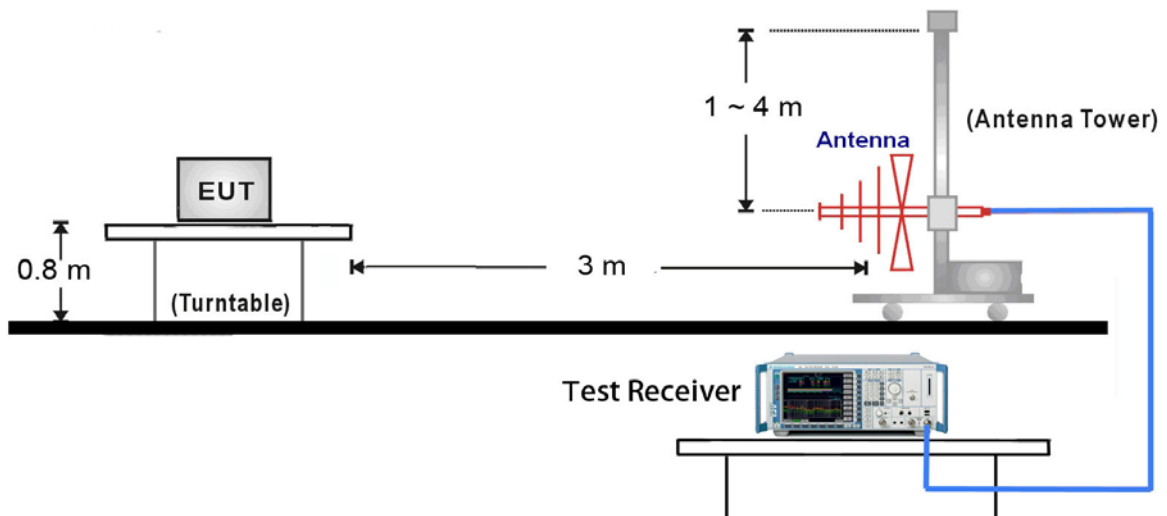
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span}/\text{RBW}$)
6. Sweep time = auto
7. Trace was averaged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

7.7.4. Test Setup

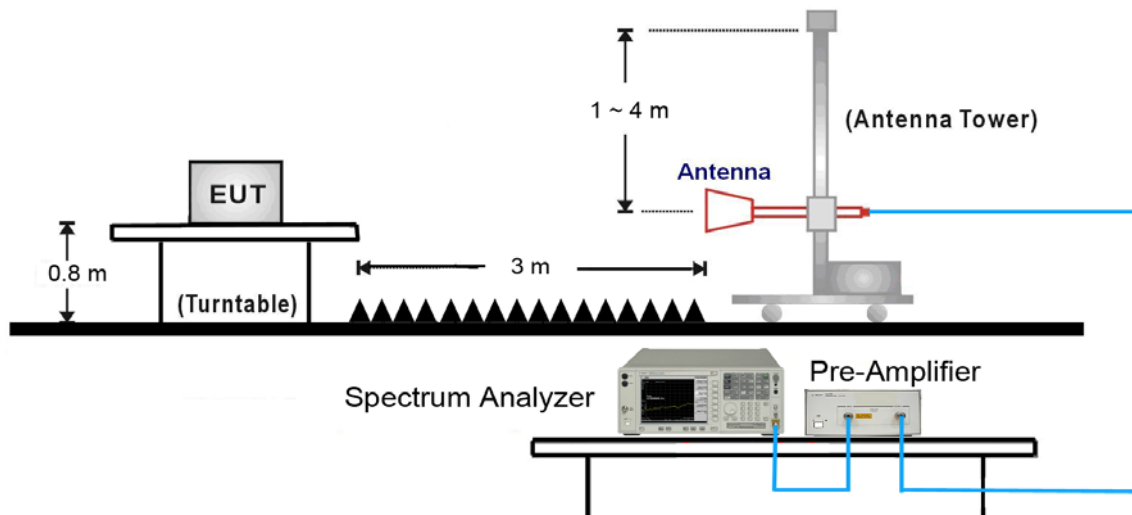
9kHz ~ 30MHz Test Setup:



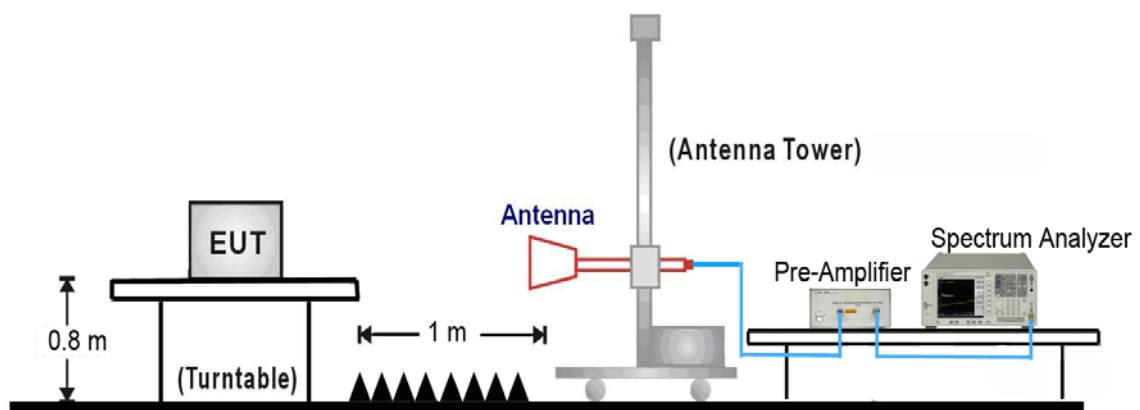
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.7.5. Test Result

Test by Panel Antenna – 25dBi

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	68.2	-19.6	Peak	Horizontal
*	8562.7	34.4	14.4	48.8	68.2	-19.4	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	68.2	-19.1	Peak	Vertical
*	8593.7	33.8	14.8	48.6	68.2	-19.6	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	68.2	-19.6	Peak	Horizontal
*	8642.4	34.0	14.8	48.8	68.2	-19.4	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	68.2	-19.7	Peak	Vertical
*	8925.4	35.3	14.3	49.6	68.2	-18.6	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	68.2	-19.6	Peak	Horizontal
*	8563.1	33.8	14.4	48.2	68.2	-20.0	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	68.2	-19.5	Peak	Vertical
*	8423.7	35.0	14.6	49.6	68.2	-18.6	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 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	68.2	-19.6	Peak	Horizontal
*	8472.4	33.9	14.6	48.5	68.2	-19.7	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	68.2	-19.4	Peak	Vertical
*	8653.4	33.4	14.8	48.2	68.2	-20.0	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	68.2	-19.3	Peak	Horizontal
*	8592.4	33.2	14.8	48.0	68.2	-20.2	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	68.2	-19.6	Peak	Vertical
*	8564.4	33.4	14.4	47.8	68.2	-20.4	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	68.2	-20.5	Peak	Horizontal
*	8563.3	33.7	14.4	48.1	68.2	-20.1	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	68.2	-19.8	Peak	Vertical
*	8563.2	33.2	14.4	47.6	68.2	-20.6	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:	802.11n-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	68.2	-19.5	Peak	Horizontal
*	8625.4	34.1	14.8	48.9	68.2	-19.3	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	68.2	-19.7	Peak	Vertical
*	8607.4	32.7	14.9	47.6	68.2	-20.6	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	68.2	-19.8	Peak	Horizontal
*	8689.4	34.5	14.8	49.3	68.2	-18.9	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	68.2	-19.2	Peak	Vertical
*	8647.7	33.9	14.8	48.7	68.2	-19.5	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	68.2	-19.8	Peak	Horizontal
*	8674.2	34.4	14.8	49.2	68.2	-19.0	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	68.2	-19.3	Peak	Vertical
*	8647.1	34.0	14.8	48.8	68.2	-19.4	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 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	68.2	-20.1	Peak	Horizontal
*	8697.6	34.4	14.8	49.2	68.2	-19.0	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	68.2	-18.4	Peak	Vertical
*	8698.2	34.0	14.8	48.8	68.2	-19.4	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	68.2	-20.2	Peak	Horizontal
*	8653.4	34.0	14.8	48.8	68.2	-19.4	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	68.2	-20.2	Peak	Vertical
*	8653.3	33.3	14.8	48.1	68.2	-20.1	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	68.2	-19.2	Peak	Horizontal
*	8659.4	33.8	14.8	48.6	68.2	-19.6	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	68.2	-19.7	Peak	Vertical
*	8671.9	34.6	14.8	49.4	68.2	-18.8	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 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	68.2	-20.4	Peak	Horizontal
*	8632.0	32.6	14.8	47.4	68.2	-20.8	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	68.2	-20.0	Peak	Vertical
*	8679.2	34.3	14.8	49.1	68.2	-19.1	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	68.2	-21.2	Peak	Horizontal
*	7957.9	33.4	15.1	48.5	68.2	-19.7	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	68.2	-20.5	Peak	Vertical
*	8623.3	32.9	14.8	47.7	68.2	-20.5	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	68.2	-19.5	Peak	Horizontal
*	8658.4	33.7	14.8	48.5	68.2	-19.7	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	68.2	-19.2	Peak	Vertical
*	8693.2	34.1	14.8	48.9	68.2	-19.3	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:	802.11ac-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	68.2	-19.9	Peak	Horizontal
*	8675.7	33.5	14.8	48.3	68.2	-19.9	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	68.2	-20.0	Peak	Vertical
*	8659.0	35.2	14.8	50.0	68.2	-18.2	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	68.2	-20.2	Peak	Horizontal
*	8672.3	33.9	14.8	48.7	68.2	-19.5	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	68.2	-20.0	Peak	Vertical
*	8653.6	34.3	14.8	49.1	68.2	-19.1	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	68.2	-20.0	Peak	Horizontal
*	8652.0	33.3	14.8	48.1	68.2	-20.1	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	68.2	-19.6	Peak	Vertical
*	8632.3	34.2	14.8	49.0	68.2	-19.2	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 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	68.2	-19.9	Peak	Horizontal
*	8692.2	35.1	14.8	49.9	68.2	-18.3	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	68.2	-19.9	Peak	Vertical
*	8352.3	35.1	14.4	49.5	68.2	-18.7	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	68.2	-19.0	Peak	Horizontal
*	8632.2	33.6	14.8	48.4	68.2	-19.8	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	68.2	-20.1	Peak	Vertical
*	8674.1	34.2	14.8	49.0	68.2	-19.2	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	68.2	-20.5	Peak	Horizontal
*	8657.2	33.6	14.8	48.4	68.2	-19.8	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	68.2	-20.2	Peak	Vertical
*	8693.3	34.6	14.8	49.4	68.2	-18.8	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 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	68.2	-20.2	Peak	Horizontal
*	8645.3	33.5	14.8	48.3	68.2	-19.9	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	68.2	-20.0	Peak	Vertical
*	8647.5	34.6	14.8	49.4	68.2	-18.8	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	68.2	-20.1	Peak	Horizontal
*	8628.0	34.0	14.8	48.8	68.2	-19.4	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	68.2	-19.7	Peak	Vertical
*	8671.2	34.4	14.8	49.2	68.2	-19.0	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	68.2	-19.9	Peak	Horizontal
*	8674.1	34.0	14.8	48.8	68.2	-19.4	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	68.2	-19.9	Peak	Vertical
*	8659.7	33.9	14.8	48.7	68.2	-19.5	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:	802.11n-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	68.2	-19.9	Peak	Horizontal
*	8678.5	34.1	14.8	48.9	68.2	-19.3	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	68.2	-20.1	Peak	Vertical
*	8679.7	34.3	14.8	49.1	68.2	-19.1	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	68.2	-19.8	Peak	Horizontal
*	8698.6	33.9	14.8	48.7	68.2	-19.5	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	68.2	-20.3	Peak	Vertical
*	8636.5	33.5	14.8	48.3	68.2	-19.9	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 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	68.2	-20.1	Peak	Horizontal
*	8656.4	34.0	14.8	48.8	68.2	-19.4	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	68.2	-20.3	Peak	Vertical
*	8656.4	33.4	14.8	48.2	68.2	-20.0	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	68.2	-20.3	Peak	Horizontal
*	8658.0	33.1	14.8	47.9	68.2	-20.3	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	68.2	-20.8	Peak	Vertical
*	8673.5	33.5	14.8	48.3	68.2	-19.9	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 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	68.2	-20.1	Peak	Horizontal
*	8692.7	33.1	14.8	47.9	68.2	-20.3	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	68.2	-19.9	Peak	Vertical
*	8692.5	34.1	14.8	48.9	68.2	-19.3	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	68.2	-20.0	Peak	Horizontal
*	8626.5	33.5	14.8	48.3	68.2	-19.9	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	68.2	-20.6	Peak	Vertical
*	8672.5	33.9	14.8	48.7	68.2	-19.5	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:	802.11ac-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	68.2	-20.7	Peak	Horizontal
*	8697.7	34.7	14.8	49.5	68.2	-18.7	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	68.2	-20.3	Peak	Vertical
*	8672.7	33.7	14.8	48.5	68.2	-19.7	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	68.2	-18.9	Peak	Horizontal
*	8692.3	34.8	14.8	49.6	68.2	-18.6	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	68.2	-20.6	Peak	Vertical
*	8646.7	34.3	14.8	49.1	68.2	-19.1	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 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	68.2	-20.4	Peak	Horizontal
*	8695.7	34.3	14.8	49.1	68.2	-19.1	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	68.2	-20.3	Peak	Vertical
*	8693.5	33.2	14.8	48.0	68.2	-20.2	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	68.2	-19.7	Peak	Horizontal
*	8972.5	34.7	14.4	49.1	68.2	-19.1	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	68.2	-19.4	Peak	Vertical
*	8897.5	35.9	14.4	50.3	68.2	-17.9	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 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	68.2	-19.2	Peak	Horizontal
*	8659.4	33.4	14.8	48.2	68.2	-20.0	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	68.2	-19.2	Peak	Vertical
*	8695.4	34.5	14.8	49.3	68.2	-18.9	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	68.2	-19.4	Peak	Horizontal
*	8694.5	33.9	14.8	48.7	68.2	-19.5	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	68.2	-20.7	Peak	Vertical
*	8654.0	33.5	14.8	48.3	68.2	-19.9	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-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	68.2	-20.0	Peak	Horizontal
*	8697.7	33.4	14.8	48.2	68.2	-20.0	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	68.2	-19.3	Peak	Vertical
*	8641.6	33.0	14.8	47.8	68.2	-20.4	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 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	68.2	-20.1	Peak	Horizontal
*	8749.3	34.9	14.6	49.5	68.2	-18.7	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	68.2	-20.1	Peak	Vertical
*	8653.5	33.7	14.8	48.5	68.2	-19.7	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 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	68.2	-20.0	Peak	Horizontal
*	8648.7	32.8	14.8	47.6	68.2	-20.6	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	68.2	-19.8	Peak	Vertical
*	8698.2	33.8	14.8	48.6	68.2	-19.6	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 by Panel Antenna – 7dBi

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.8	15.0	48.9	68.2	-19.3	Peak	Horizontal
*	8426.4	34.7	14.6	49.4	68.2	-18.8	Peak	Horizontal
	9143.7	35.5	15.2	50.8	74.0	-23.2	Peak	Horizontal
	9485.4	35.7	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7582.4	35.4	14.7	50.2	68.2	-18.0	Peak	Vertical
*	8464.7	35.0	14.6	49.7	68.2	-18.5	Peak	Vertical
	9125.4	34.8	14.9	49.8	74.0	-24.2	Peak	Vertical
	9436.5	34.5	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	05-04-2015	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	33.4	14.8	48.3	68.2	-19.9	Peak	Horizontal
*	8623.7	33.9	14.8	48.8	68.2	-19.4	Peak	Horizontal
	9145.4	34.7	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9452.4	33.7	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7892.7	34.2	15.0	49.3	68.2	-18.9	Peak	Vertical
*	8533.5	33.4	14.6	48.1	68.2	-20.1	Peak	Vertical
	9172.4	35.3	15.3	50.7	74.0	-23.3	Peak	Vertical
	9412.5	33.9	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	05-04-2015	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	34.0	14.8	48.9	68.2	-19.3	Peak	Horizontal
*	8621.4	33.6	14.8	48.5	68.2	-19.7	Peak	Horizontal
	9144.5	35.1	15.2	50.4	74.0	-23.6	Peak	Horizontal
	9425.7	34.0	15.5	49.6	74.0	-24.4	Peak	Horizontal
*	7762.4	33.9	14.8	48.8	68.2	-19.4	Peak	Vertical
*	8572.4	34.4	14.5	49.0	68.2	-19.2	Peak	Vertical
	9172.4	35.0	15.3	50.4	74.0	-23.6	Peak	Vertical
	9425.4	34.2	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.5	15.1	48.7	68.2	-19.5	Peak	Horizontal
*	8563.7	34.5	14.4	49.0	68.2	-19.2	Peak	Horizontal
	9142.3	34.1	15.2	49.4	74.0	-24.6	Peak	Horizontal
	9414.4	35.0	15.5	50.6	74.0	-23.4	Peak	Horizontal
*	7756.3	35.0	14.8	49.9	68.2	-18.3	Peak	Vertical
*	8563.3	33.4	14.4	47.9	68.2	-20.3	Peak	Vertical
	9140.5	35.7	15.2	51.0	74.0	-23.0	Peak	Vertical
	9486.4	34.5	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	05-04-2015	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	33.6	15.0	48.7	68.2	-19.5	Peak	Horizontal
*	8563.7	33.7	14.4	48.2	68.2	-20.0	Peak	Horizontal
	9147.6	35.2	15.3	50.6	74.0	-23.4	Peak	Horizontal
	9489.4	34.5	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7756.4	33.2	14.8	48.1	68.2	-20.1	Peak	Vertical
*	8473.6	33.6	14.6	48.3	68.2	-19.9	Peak	Vertical
	9147.4	34.7	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.4	33.9	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	05-04-2015	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	33.6	15.1	48.8	68.2	-19.4	Peak	Horizontal
*	8596.4	33.6	14.8	48.5	68.2	-19.7	Peak	Horizontal
	9143.7	34.7	15.2	50.0	74.0	-24.0	Peak	Horizontal
	9473.7	34.9	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7856.4	33.6	15.1	48.8	68.2	-19.4	Peak	Vertical
*	8652.3	33.7	14.8	48.6	68.2	-19.6	Peak	Vertical
	9152.3	34.8	15.3	50.2	74.0	-23.8	Peak	Vertical
	9473.4	34.9	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	32.5	15.1	47.7	68.2	-20.5	Peak	Horizontal
*	8624.0	34.0	14.8	48.9	68.2	-19.3	Peak	Horizontal
	9143.9	34.4	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9471.0	34.5	15.4	50.0	74.0	-24.0	Peak	Horizontal
*	7836.9	32.3	15.1	47.5	68.2	-20.7	Peak	Vertical
*	8692.5	33.4	14.8	48.3	68.2	-19.9	Peak	Vertical
	9146.4	35.1	15.3	50.5	74.0	-23.5	Peak	Vertical
	9478.6	34.1	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	05-04-2015	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	33.0	15.1	48.2	68.2	-20.0	Peak	Horizontal
*	8653.5	33.4	14.8	48.3	68.2	-19.9	Peak	Horizontal
	9173.6	34.7	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9483.7	34.8	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7762.7	32.9	14.8	47.8	68.2	-20.4	Peak	Vertical
*	8672.5	33.9	14.8	48.8	68.2	-19.4	Peak	Vertical
	9147.9	34.2	15.3	49.6	74.0	-24.4	Peak	Vertical
	9472.6	34.4	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	05-04-2015	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	33.3	14.8	48.2	68.2	-20.0	Peak	Horizontal
*	8647.1	33.0	14.8	47.9	68.2	-20.3	Peak	Horizontal
	9147.8	35.4	15.3	50.8	74.0	-23.2	Peak	Horizontal
	9472.4	34.9	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7845.2	32.6	15.1	47.8	68.2	-20.4	Peak	Vertical
*	8625.3	33.4	14.8	48.3	68.2	-19.9	Peak	Vertical
	9172.2	34.9	15.3	50.3	74.0	-23.7	Peak	Vertical
	9470.6	34.6	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	32.5	15.1	47.7	68.2	-20.5	Peak	Horizontal
*	8635.2	33.0	14.8	47.9	68.2	-20.3	Peak	Horizontal
	9123.4	35.4	14.9	50.4	74.0	-23.6	Peak	Horizontal
	9473.2	34.8	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7814.2	33.8	15.0	48.9	68.2	-19.3	Peak	Vertical
*	8654.0	33.5	14.8	48.4	68.2	-19.8	Peak	Vertical
	9147.3	35.5	15.3	50.9	74.0	-23.1	Peak	Vertical
	9423.5	33.8	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	05-04-2015	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	33.7	15.1	48.9	68.2	-19.3	Peak	Horizontal
*	8691.4	33.8	14.8	48.7	68.2	-19.5	Peak	Horizontal
	9142.0	34.4	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9482.2	34.9	15.4	50.4	74.0	-23.6	Peak	Horizontal
*	7841.0	32.5	15.1	47.7	68.2	-20.5	Peak	Vertical
*	8871.0	35.6	14.3	50.0	68.2	-18.2	Peak	Vertical
	9171.1	35.2	15.3	50.6	74.0	-23.4	Peak	Vertical
	9473.2	34.9	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	05-04-2015	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	33.7	15.0	48.8	68.2	-19.4	Peak	Horizontal
*	8694.3	34.7	14.8	49.6	68.2	-18.6	Peak	Horizontal
	9153.2	34.8	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9471.0	35.7	15.4	51.2	74.0	-22.8	Peak	Horizontal
*	7914.3	33.5	15.0	48.6	68.2	-19.6	Peak	Vertical
*	8635.3	32.9	14.8	47.8	68.2	-20.4	Peak	Vertical
	9126.3	34.6	15.0	49.7	74.0	-24.3	Peak	Vertical
	9408.5	33.6	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	34.2	15.0	49.3	68.2	-18.9	Peak	Horizontal
*	8623.1	33.0	14.8	47.9	68.2	-20.3	Peak	Horizontal
	9126.4	34.9	15.0	50.0	74.0	-24.0	Peak	Horizontal
	9462.3	34.8	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7812.0	33.3	15.0	48.4	68.2	-19.8	Peak	Vertical
*	8623.2	33.3	14.8	48.2	68.2	-20.0	Peak	Vertical
	9142.0	35.2	15.2	50.5	74.0	-23.5	Peak	Vertical
	9401.4	33.5	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	05-04-2015	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	33.1	15.0	48.2	68.2	-20.0	Peak	Horizontal
*	8695.5	34.2	14.8	49.1	68.2	-19.1	Peak	Horizontal
	9123.0	34.3	14.9	49.3	74.0	-24.7	Peak	Horizontal
	9482.3	33.9	15.4	49.4	74.0	-24.6	Peak	Horizontal
*	7826.3	33.6	15.1	48.8	68.2	-19.4	Peak	Vertical
*	8659.3	33.2	14.8	48.1	68.2	-20.1	Peak	Vertical
	9124.0	34.7	14.9	49.7	74.0	-24.3	Peak	Vertical
	9413.1	34.5	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	05-04-2015	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	33.3	15.0	48.4	68.2	-19.8	Peak	Horizontal
*	8672.4	33.7	14.8	48.6	68.2	-19.6	Peak	Horizontal
	9173.3	35.3	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.3	34.8	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7853.2	33.1	15.1	48.3	68.2	-19.9	Peak	Vertical
*	8653.9	33.7	14.8	48.6	68.2	-19.6	Peak	Vertical
	9125.3	33.3	14.9	48.3	74.0	-25.7	Peak	Vertical
	9472.0	34.4	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.0	15.1	48.2	68.2	-20.0	Peak	Horizontal
*	8623.3	32.5	14.8	47.4	68.2	-20.8	Peak	Horizontal
	9126.2	35.6	15.0	50.7	74.0	-23.3	Peak	Horizontal
	9426.5	34.2	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7852.2	32.6	15.1	47.8	68.2	-20.4	Peak	Vertical
*	8652.0	33.5	14.8	48.4	68.2	-19.8	Peak	Vertical
	9152.2	34.7	15.3	50.1	74.0	-23.9	Peak	Vertical
	9465.3	36.0	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	05-04-2015	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	33.1	15.0	48.2	68.2	-20.0	Peak	Horizontal
*	8625.4	33.3	14.8	48.2	68.2	-20.0	Peak	Horizontal
	9142.2	34.3	15.2	49.6	74.0	-24.4	Peak	Horizontal
	9424.4	33.7	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7824.2	33.5	15.1	48.7	68.2	-19.5	Peak	Vertical
*	8653.7	34.1	14.8	49.0	68.2	-19.2	Peak	Vertical
	9152.2	34.4	15.3	49.8	74.0	-24.2	Peak	Vertical
	9452.5	33.4	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	05-04-2015	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	33.2	15.1	48.4	68.2	-19.8	Peak	Horizontal
*	8672.2	33.9	14.8	48.8	68.2	-19.4	Peak	Horizontal
	9142.2	34.9	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9463.2	35.1	15.4	50.6	74.0	-23.4	Peak	Horizontal
*	7931.3	33.9	15.1	49.1	68.2	-19.1	Peak	Vertical
*	8674.2	33.8	14.8	48.7	68.2	-19.5	Peak	Vertical
	9142.0	35.0	15.2	50.3	74.0	-23.7	Peak	Vertical
	9423.3	34.2	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.2	15.0	48.3	68.2	-19.9	Peak	Horizontal
*	8674.3	34.0	14.8	48.9	68.2	-19.3	Peak	Horizontal
	9156.4	34.2	15.3	49.6	74.0	-24.4	Peak	Horizontal
	9473.2	34.4	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7814.2	32.8	15.0	47.9	68.2	-20.3	Peak	Vertical
*	8692.3	33.9	14.8	48.8	68.2	-19.4	Peak	Vertical
	9143.3	35.0	15.2	50.3	74.0	-23.7	Peak	Vertical
	9473.6	34.7	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	05-04-2015	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	33.1	15.0	48.2	68.2	-20.0	Peak	Horizontal
*	8636.1	32.9	14.8	47.8	68.2	-20.4	Peak	Horizontal
	9147.9	34.5	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9486.4	34.7	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7842.3	32.9	15.1	48.1	68.2	-20.1	Peak	Vertical
*	8694.5	34.2	14.8	49.1	68.2	-19.1	Peak	Vertical
	9175.8	35.9	15.3	51.3	74.0	-22.7	Peak	Vertical
	9473.7	34.6	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	05-04-2015	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	33.2	15.0	48.3	68.2	-19.9	Peak	Horizontal
*	8673.7	33.4	14.8	48.3	68.2	-19.9	Peak	Horizontal
	9146.4	35.0	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9423.9	33.3	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7857.7	33.2	15.1	48.4	68.2	-19.8	Peak	Vertical
*	8672.4	34.2	14.8	49.1	68.2	-19.1	Peak	Vertical
	9142.4	34.6	15.2	49.9	74.0	-24.1	Peak	Vertical
	9426.5	33.1	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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	34.2	15.0	49.3	68.2	-18.9	Peak	Horizontal
*	8693.4	34.3	14.8	49.2	68.2	-19.0	Peak	Horizontal
	9172.6	35.0	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9487.7	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7859.8	33.4	15.1	48.6	68.2	-19.6	Peak	Vertical
*	8693.5	34.2	14.8	49.1	68.2	-19.1	Peak	Vertical
	9147.3	34.4	15.3	49.8	74.0	-24.2	Peak	Vertical
	9473.8	34.8	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	05-04-2015	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	33.2	15.1	48.4	68.2	-19.8	Peak	Horizontal
*	8679.9	33.7	14.8	48.6	68.2	-19.6	Peak	Horizontal
	9169.0	34.3	15.3	49.7	74.0	-24.3	Peak	Horizontal
	9487.7	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7868.6	32.6	15.0	47.7	68.2	-20.5	Peak	Vertical
*	8674.3	33.7	14.8	48.6	68.2	-19.6	Peak	Vertical
	9126.5	34.3	15.0	49.4	74.0	-24.6	Peak	Vertical
	9473.7	33.5	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	05-04-2015	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	33.3	15.0	48.4	68.2	-19.8	Peak	Horizontal
*	8677.0	34.0	14.8	48.9	68.2	-19.3	Peak	Horizontal
	9147.8	35.3	15.3	50.7	74.0	-23.3	Peak	Horizontal
	9487.6	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7865.7	32.7	15.0	47.8	68.2	-20.4	Peak	Vertical
*	8671.5	33.5	14.8	48.4	68.2	-19.8	Peak	Vertical
	9156.7	34.2	15.3	49.6	74.0	-24.4	Peak	Vertical
	9471.3	34.7	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.0	15.0	48.1	68.2	-20.1	Peak	Horizontal
*	8693.9	35.1	14.8	50.0	68.2	-18.2	Peak	Horizontal
	9176.4	34.6	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9476.9	34.3	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7875.0	32.7	15.0	47.8	68.2	-20.4	Peak	Vertical
*	8693.5	33.8	14.8	48.7	68.2	-19.5	Peak	Vertical
	9148.0	34.5	15.3	49.9	74.0	-24.1	Peak	Vertical
	9486.4	34.8	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	05-04-2015	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	34.0	15.1	49.2	68.2	-19.0	Peak	Horizontal
*	8673.7	33.4	14.8	48.3	68.2	-19.9	Peak	Horizontal
	9146.4	35.0	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9473.7	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7983.5	34.0	15.0	49.1	68.2	-19.1	Peak	Vertical
*	8679.6	34.5	14.8	49.4	68.2	-18.8	Peak	Vertical
	9147.3	35.5	15.3	50.9	74.0	-23.1	Peak	Vertical
	9473.7	34.5	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.4	15.0	48.5	68.2	-19.7	Peak	Horizontal
*	8693.5	35.0	14.8	49.9	68.2	-18.3	Peak	Horizontal
	9146.7	34.8	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9478.6	34.2	15.4	49.7	74.0	-24.3	Peak	Horizontal
*	7857.5	33.8	15.1	49.0	68.2	-19.2	Peak	Vertical
*	8672.7	34.2	14.8	49.1	68.2	-19.1	Peak	Vertical
	9147.4	34.8	15.3	50.2	74.0	-23.8	Peak	Vertical
	9476.8	34.6	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	05-04-2015	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	48.3	68.2	-19.9	Peak	Horizontal
*	8694.7	34.2	14.8	49.1	68.2	-19.1	Peak	Horizontal
	9148.7	34.5	15.3	49.9	74.0	-24.1	Peak	Horizontal
	9473.5	34.1	15.4	49.6	74.0	-24.4	Peak	Horizontal
*	7892.5	32.9	15.0	48.0	68.2	-20.2	Peak	Vertical
*	8694.3	34.3	14.8	49.2	68.2	-19.0	Peak	Vertical
	9147.4	35.0	15.3	50.4	74.0	-23.6	Peak	Vertical
	9478.7	35.1	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.7	15.0	48.8	68.2	-19.4	Peak	Horizontal
*	8657.7	33.5	14.8	48.4	68.2	-19.8	Peak	Horizontal
	9168.5	34.0	15.3	49.4	74.0	-24.6	Peak	Horizontal
	9473.7	34.0	15.4	49.5	74.0	-24.5	Peak	Horizontal
*	7947.2	32.8	15.1	48.0	68.2	-20.2	Peak	Vertical
*	8693.5	34.4	14.8	49.3	68.2	-18.9	Peak	Vertical
	9168.7	34.8	15.3	50.2	74.0	-23.8	Peak	Vertical
	9487.6	34.1	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	05-04-2015	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	33.4	15.0	48.5	68.2	-19.7	Peak	Horizontal
*	8695.6	34.1	14.8	49.0	68.2	-19.2	Peak	Horizontal
	9156.5	34.7	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.7	33.8	15.4	49.3	74.0	-24.7	Peak	Horizontal
*	7865.7	33.2	15.0	48.3	68.2	-19.9	Peak	Vertical
*	8697.6	34.1	14.8	49.0	68.2	-19.2	Peak	Vertical
	9176.7	34.9	15.3	50.3	74.0	-23.7	Peak	Vertical
	9473.7	34.4	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.9	15.0	49.0	68.2	-19.2	Peak	Horizontal
*	8695.5	34.3	14.8	49.2	68.2	-19.0	Peak	Horizontal
	9143.7	34.0	15.2	49.3	74.0	-24.7	Peak	Horizontal
	9473.7	34.3	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7947.5	33.5	15.1	48.7	68.2	-19.5	Peak	Vertical
*	8659.5	33.8	14.8	48.7	68.2	-19.5	Peak	Vertical
	9143.7	34.8	15.2	50.1	74.0	-23.9	Peak	Vertical
	9473.7	34.3	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	05-04-2015	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	32.8	15.1	48.0	68.2	-20.2	Peak	Horizontal
*	8636.5	33.2	14.8	48.1	68.2	-20.1	Peak	Horizontal
	9144.5	34.9	15.2	50.2	74.0	-23.8	Peak	Horizontal
	9435.1	33.3	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7842.7	33.1	15.1	48.3	68.2	-19.9	Peak	Vertical
*	8656.3	34.6	14.8	49.5	68.2	-18.7	Peak	Vertical
	9143.5	34.6	15.2	49.9	74.0	-24.1	Peak	Vertical
	9436.8	33.8	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	32.8	15.0	47.9	68.2	-20.3	Peak	Horizontal
*	8847.2	34.6	14.2	48.9	68.2	-19.3	Peak	Horizontal
	9143.6	34.4	15.2	49.7	74.0	-24.3	Peak	Horizontal
	9476.8	34.4	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7841.6	32.5	15.1	47.7	68.2	-20.5	Peak	Vertical
*	8879.7	33.7	14.4	48.2	68.2	-20.0	Peak	Vertical
	9165.5	35.1	15.3	50.5	74.0	-23.5	Peak	Vertical
	9473.3	34.0	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	05-04-2015	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	34.3	15.1	49.5	68.2	-18.7	Peak	Horizontal
*	8625.7	33.7	14.8	48.6	68.2	-19.6	Peak	Horizontal
	9143.6	35.0	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9435.7	34.2	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	7894.6	33.8	15.0	48.9	68.2	-19.3	Peak	Vertical
*	8956.4	34.4	14.3	48.8	68.2	-19.4	Peak	Vertical
	9163.6	34.4	15.3	49.8	74.0	-24.2	Peak	Vertical
	9476.4	34.5	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:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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	34.1	15.1	49.3	68.2	-18.9	Peak	Horizontal
*	8675.6	33.2	14.8	48.1	68.2	-20.1	Peak	Horizontal
	9168.5	34.8	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9473.6	34.4	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7952.4	33.1	15.1	48.3	68.2	-19.9	Peak	Vertical
*	8694.3	34.1	14.8	49.0	68.2	-19.2	Peak	Vertical
	9143.5	35.4	15.2	50.7	74.0	-23.3	Peak	Vertical
	9473.9	34.1	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	05-04-2015	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	34.0	15.0	49.1	68.2	-19.1	Peak	Horizontal
*	8648.2	33.7	14.8	48.6	68.2	-19.6	Peak	Horizontal
	9156.5	34.8	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9485.8	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7958.7	33.6	15.0	48.7	68.2	-19.5	Peak	Vertical
*	8869.4	35.3	14.3	49.7	68.2	-18.5	Peak	Vertical
	9158.7	33.9	15.3	49.3	74.0	-24.7	Peak	Vertical
	9476.5	34.7	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:	155	Test Engineer:	Milo Li
Test Date	05-04-2015	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	33.9	14.7	48.7	68.2	-19.5	Peak	Horizontal
*	8876.7	35.8	14.3	50.2	68.2	-18.0	Peak	Horizontal
	9153.6	34.7	15.3	50.1	74.0	-23.9	Peak	Horizontal
	9473.5	34.6	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7769.6	33.0	14.9	48.0	68.2	-20.2	Peak	Vertical
*	8873.3	34.7	14.3	49.1	68.2	-19.1	Peak	Vertical
	9143.7	34.7	15.2	50.0	74.0	-24.0	Peak	Vertical
	9473.6	34.3	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	05-04-2015	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	33.6	15.1	48.8	68.2	-19.4	Peak	Horizontal
*	8635.2	33.3	14.8	48.2	68.2	-20.0	Peak	Horizontal
	9153.7	34.6	15.3	50.0	74.0	-24.0	Peak	Horizontal
	9436.5	33.8	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7956.4	33.5	15.1	48.7	68.2	-19.5	Peak	Vertical
*	8695.7	34.4	14.8	49.3	68.2	-18.9	Peak	Vertical
	9157.8	34.7	15.3	50.1	74.0	-23.9	Peak	Vertical
	9476.8	35.0	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:	155	Test Engineer:	Milo Li
Test Date	05-04-2015	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	34.4	15.0	49.5	68.2	-18.7	Peak	Horizontal
*	8845.7	35.8	14.2	50.1	68.2	-18.1	Peak	Horizontal
	9143.5	36.0	15.2	51.3	74.0	-22.7	Peak	Horizontal
	9476.7	35.0	15.4	50.5	74.0	-23.5	Peak	Horizontal
*	7956.4	34.2	15.1	49.4	68.2	-18.8	Peak	Vertical
*	8671.5	33.3	14.8	48.2	68.2	-20.0	Peak	Vertical
	9146.3	34.3	15.3	49.7	74.0	-24.3	Peak	Vertical
	9473.8	35.6	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)

Test by Dipole Antenna - 2dBi

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
*	7013.5	35.0	12.8	47.8	68.2	-20.4	Peak	Horizontal
*	7834.1	33.5	15.1	48.6	68.2	-19.6	Peak	Horizontal
	8317.5	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9166.0	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7021.0	35.2	12.9	48.1	68.2	-20.1	Peak	Vertical
*	7773.3	32.5	14.9	47.4	68.2	-20.8	Peak	Vertical
	8429.6	33.2	14.6	47.8	74.0	-26.2	Peak	Vertical
	9101.3	32.8	14.6	47.4	74.0	-26.6	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 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
*	7003.9	34.3	12.8	47.2	68.2	-21.0	Peak	Horizontal
*	8011.7	33.4	15.1	48.6	68.2	-19.6	Peak	Horizontal
	8429.6	33.7	14.6	48.4	74.0	-25.6	Peak	Horizontal
	9193.7	35.0	15.2	50.3	74.0	-23.7	Peak	Horizontal
*	7864.3	32.9	15.0	48.0	68.2	-20.2	Peak	Vertical
*	8639.2	33.3	14.8	48.2	68.2	-20.0	Peak	Vertical
	9126.9	34.2	15.0	49.3	74.0	-24.7	Peak	Vertical
	9381.2	33.0	15.3	48.4	74.0	-25.6	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 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
*	7924.9	34.3	15.1	49.5	68.2	-18.7	Peak	Horizontal
*	8722.3	34.2	14.7	49.0	68.2	-19.2	Peak	Horizontal
	9145.9	34.6	15.2	49.9	74.0	-24.1	Peak	Horizontal
	9464.4	34.3	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	7926.9	33.1	15.1	48.3	68.2	-19.9	Peak	Vertical
*	8766.2	33.1	14.6	47.8	68.2	-20.4	Peak	Vertical
	9164.9	34.2	15.3	49.6	74.0	-24.4	Peak	Vertical
	9468.8	34.2	15.4	49.7	74.0	-24.3	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:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7106.3	34.9	13.4	48.4	68.2	-19.8	Peak	Horizontal
*	7963.8	33.2	15.0	48.3	68.2	-19.9	Peak	Horizontal
	9198.7	35.6	15.2	50.9	74.0	-23.1	Peak	Horizontal
	9441.6	33.7	15.5	49.3	74.0	-24.7	Peak	Horizontal
*	7031.8	34.9	13.0	48.0	68.2	-20.2	Peak	Vertical
*	7887.7	34.2	15.0	49.3	68.2	-18.9	Peak	Vertical
	8468.5	34.3	14.6	49.0	74.0	-25.0	Peak	Vertical
	9177.9	35.3	15.3	50.7	74.0	-23.3	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:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7054.6	34.8	13.1	48.0	68.2	-20.2	Peak	Horizontal
*	7869.5	33.5	15.0	48.6	68.2	-19.6	Peak	Horizontal
	8357.3	33.9	14.4	48.4	74.0	-25.6	Peak	Horizontal
	9187.5	35.9	15.3	51.3	74.0	-22.7	Peak	Horizontal
*	7184.3	34.1	13.6	47.8	68.2	-20.4	Peak	Vertical
*	7815.6	32.9	15.0	48.0	68.2	-20.2	Peak	Vertical
	8341.7	33.6	14.5	48.2	74.0	-25.8	Peak	Vertical
	9151.7	35.8	15.3	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7054.7	35.4	13.1	48.6	68.2	-19.6	Peak	Horizontal
*	7865.6	33.4	15.0	48.5	68.2	-19.7	Peak	Horizontal
	9132.7	35.5	15.1	50.7	74.0	-23.3	Peak	Horizontal
	9435.8	33.8	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7189.3	34.9	13.6	48.6	68.2	-19.6	Peak	Vertical
*	7851.3	33.5	15.1	48.7	68.2	-19.5	Peak	Vertical
	8464.7	34.3	14.6	49.0	74.0	-25.0	Peak	Vertical
	9169.7	34.8	15.3	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:	802.11a – 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
*	7105.4	34.9	13.4	48.3	68.2	-19.9	Peak	Horizontal
*	7955.5	33.9	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8384.4	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	9384.5	33.0	15.3	48.3	74.0	-25.7	Peak	Horizontal
*	7085.5	34.5	13.3	47.8	68.2	-20.4	Peak	Vertical
*	7934.1	34.3	15.1	49.4	68.2	-18.8	Peak	Vertical
	8499.0	33.8	14.7	48.5	74.0	-25.5	Peak	Vertical
	9132.1	35.1	15.1	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:	802.11a – 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
*	7057.5	34.6	13.1	47.7	68.2	-20.5	Peak	Horizontal
*	7937.2	33.4	15.1	48.5	68.2	-19.7	Peak	Horizontal
	8497.8	33.4	14.7	48.1	74.0	-25.9	Peak	Horizontal
	9184.8	36.3	15.3	51.6	74.0	-22.4	Peak	Horizontal
*	7047.8	35.4	13.1	48.5	68.2	-19.7	Peak	Vertical
*	7862.4	33.3	15.1	48.4	68.2	-19.8	Peak	Vertical
	8378.5	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	9187.5	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical

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

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

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

Test Mode:	802.11a – 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
*	7844.1	33.0	15.1	48.1	68.2	-20.1	Peak	Horizontal
*	8687.2	34.3	14.8	49.1	68.2	-19.1	Peak	Horizontal
	9165.3	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
	9435.9	33.6	15.5	49.1	74.0	-24.9	Peak	Horizontal
*	7037.0	35.2	13.0	48.2	68.2	-20.0	Peak	Vertical
*	7845.0	32.9	15.1	48.0	68.2	-20.2	Peak	Vertical
	8431.9	34.7	14.6	49.3	74.0	-24.7	Peak	Vertical
	9185.1	35.2	15.3	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:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7098.4	34.4	13.4	47.9	68.2	-20.3	Peak	Horizontal
*	7924.3	34.0	15.1	49.2	68.2	-19.0	Peak	Horizontal
	8495.3	33.5	14.7	48.3	74.0	-25.7	Peak	Horizontal
	9198.6	34.7	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7031.5	34.1	13.0	47.2	68.2	-21.0	Peak	Vertical
*	7952.6	33.5	15.1	48.7	68.2	-19.5	Peak	Vertical
	8421.6	34.4	14.5	49.0	74.0	-25.0	Peak	Vertical
	9131.7	34.3	15.1	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 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7021.2	35.5	12.9	48.5	68.2	-19.7	Peak	Horizontal
*	7835.1	33.1	15.1	48.3	68.2	-19.9	Peak	Horizontal
	8497.2	33.5	14.7	48.3	74.0	-25.7	Peak	Horizontal
	9184.2	35.7	15.3	51.1	74.0	-22.9	Peak	Horizontal
*	7047.4	34.3	13.1	47.5	68.2	-20.7	Peak	Vertical
*	7931.5	33.7	15.1	48.9	68.2	-19.3	Peak	Vertical
	8478.5	33.0	14.6	47.7	74.0	-26.3	Peak	Vertical
	9184.5	34.9	15.3	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:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7032.0	35.2	13.0	48.3	68.2	-19.9	Peak	Horizontal
*	7965.2	33.9	15.0	49.0	68.2	-19.2	Peak	Horizontal
	8345.4	33.0	14.4	47.5	74.0	-26.5	Peak	Horizontal
	9184.0	35.0	15.3	50.4	74.0	-23.6	Peak	Horizontal
*	7187.2	34.0	13.6	47.7	68.2	-20.5	Peak	Vertical
*	7859.5	33.2	15.1	48.4	68.2	-19.8	Peak	Vertical
	8445.4	33.7	14.5	48.3	74.0	-25.7	Peak	Vertical
	9183.5	35.2	15.3	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 – 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
*	7035.6	34.5	13.0	47.5	68.2	-20.7	Peak	Horizontal
*	7958.4	34.1	15.0	49.1	68.2	-19.1	Peak	Horizontal
	8435.1	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9174.5	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7085.3	33.4	13.3	46.7	68.2	-21.5	Peak	Vertical
*	7864.2	32.6	15.0	47.6	68.2	-20.6	Peak	Vertical
	8432.2	33.6	14.6	48.2	74.0	-25.8	Peak	Vertical
	9148.4	34.3	15.3	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:	802.11n-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
*	7084.6	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	7964.5	33.5	15.0	48.5	68.2	-19.7	Peak	Horizontal
	8435.5	33.1	14.6	47.7	74.0	-26.3	Peak	Horizontal
	9184.5	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7084.6	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
*	7987.4	33.5	15.0	48.5	68.2	-19.7	Peak	Vertical
	8499.9	32.9	14.7	47.6	74.0	-26.4	Peak	Vertical
	9101.8	33.8	14.6	48.4	74.0	-25.6	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:	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
*	7065.3	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
*	7989.0	33.8	15.0	48.8	68.2	-19.4	Peak	Horizontal
	8423.4	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9122.7	33.6	14.9	48.5	74.0	-25.5	Peak	Horizontal
*	7031.9	34.8	13.0	47.8	68.2	-20.4	Peak	Vertical
*	7933.6	34.4	15.1	49.5	68.2	-18.7	Peak	Vertical
	8425.6	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	9106.5	34.8	14.7	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:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7068.7	34.2	13.2	47.5	68.2	-20.7	Peak	Horizontal
*	7965.4	33.5	15.0	48.6	68.2	-19.6	Peak	Horizontal
	8498.5	33.4	14.7	48.2	74.0	-25.8	Peak	Horizontal
	9464.4	33.7	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	7856.7	33.7	15.1	48.9	68.2	-19.3	Peak	Vertical
*	8684.5	33.8	14.8	48.7	68.2	-19.5	Peak	Vertical
	9175.9	34.7	15.3	50.1	74.0	-23.9	Peak	Vertical
	9469.4	34.6	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 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7864.4	32.8	15.0	48.0	68.2	-20.2	Peak	Horizontal
*	8768.5	33.5	14.5	48.2	68.2	-20.0	Peak	Horizontal
	9154.4	34.7	15.3	50.2	74.0	-23.8	Peak	Horizontal
	9432.9	33.4	15.5	49.1	74.0	-24.9	Peak	Horizontal
*	7096.5	34.6	13.3	48.1	68.2	-20.1	Peak	Vertical
*	7988.0	32.6	15.0	47.8	68.2	-20.4	Peak	Vertical
	8387.4	33.5	14.4	48.1	74.0	-25.9	Peak	Vertical
	9175.6	35.2	15.3	50.7	74.0	-23.3	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:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7065.7	35.0	13.2	48.4	68.2	-19.8	Peak	Horizontal
*	7954.4	32.9	15.1	48.2	68.2	-20.0	Peak	Horizontal
	8464.7	34.3	14.6	49.1	74.0	-24.9	Peak	Horizontal
	9183.0	34.7	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7894.6	33.3	15.0	48.5	68.2	-19.7	Peak	Vertical
*	8678.3	33.6	14.8	48.6	68.2	-19.6	Peak	Vertical
	9156.6	33.4	15.3	48.9	74.0	-25.1	Peak	Vertical
	9453.4	33.2	15.5	48.9	74.0	-25.1	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 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
*	7064.6	36.1	13.2	49.3	68.2	-18.9	Peak	Horizontal
*	7960.4	33.1	15.0	48.1	68.2	-20.1	Peak	Horizontal
	9152.3	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
	9435.4	33.2	15.5	48.7	74.0	-25.3	Peak	Horizontal
*	7043.5	35.2	13.1	48.3	68.2	-19.9	Peak	Vertical
*	7948.9	33.5	15.1	48.6	68.2	-19.6	Peak	Vertical
	8435.4	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical
	9178.6	35.0	15.3	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:	802.11n-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
*	7134.5	34.0	13.5	47.5	68.2	-20.7	Peak	Horizontal
*	7864.9	33.5	15.0	48.5	68.2	-19.7	Peak	Horizontal
	8462.8	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9167.4	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7035.4	35.2	13.0	48.2	68.2	-20.0	Peak	Vertical
*	7791.5	32.3	15.0	47.3	68.2	-20.9	Peak	Vertical
	8157.2	32.9	14.9	47.8	74.0	-26.2	Peak	Vertical
	9160.3	33.6	15.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions 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
*	7233.3	34.4	13.8	48.2	68.2	-20.0	Peak	Horizontal
*	8011.4	34.0	15.1	49.1	68.2	-19.1	Peak	Horizontal
	9165.0	33.8	15.3	49.1	74.0	-24.9	Peak	Horizontal
	9486.7	34.5	15.4	49.9	74.0	-24.1	Peak	Horizontal
*	7194.7	33.8	13.6	47.4	68.2	-20.8	Peak	Vertical
*	7956.8	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
	8369.4	35.5	14.4	49.9	74.0	-24.1	Peak	Vertical
	9183.6	35.4	15.3	50.7	74.0	-23.3	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7064.4	34.7	13.2	48.1	68.2	-20.1	Peak	Horizontal
*	7947.2	33.1	15.1	48.4	68.2	-19.8	Peak	Horizontal
	8456.3	34.6	14.5	49.3	74.0	-24.7	Peak	Horizontal
	9168.6	34.0	15.3	49.5	74.0	-24.5	Peak	Horizontal
*	7168.4	33.7	13.6	47.5	68.2	-20.7	Peak	Vertical
*	7897.2	33.1	15.0	48.3	68.2	-19.9	Peak	Vertical
	8385.2	33.7	14.4	48.3	74.0	-25.7	Peak	Vertical
	9184.6	35.1	15.3	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7208.6	34.8	13.7	48.7	68.2	-19.5	Peak	Horizontal
*	7937.7	34.2	15.1	49.5	68.2	-18.7	Peak	Horizontal
	8222.8	33.2	14.5	47.9	74.0	-26.1	Peak	Horizontal
	9138.8	34.8	15.2	50.2	74.0	-23.8	Peak	Horizontal
*	7069.0	35.0	13.2	48.4	68.2	-19.8	Peak	Vertical
*	7952.6	33.5	15.1	48.8	68.2	-19.4	Peak	Vertical
	8466.5	33.7	14.6	48.5	74.0	-25.5	Peak	Vertical
	9174.0	35.2	15.3	50.7	74.0	-23.3	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:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7046.6	34.6	13.1	47.8	68.2	-20.4	Peak	Horizontal
*	7898.9	33.0	15.0	48.1	68.2	-20.1	Peak	Horizontal
	8386.6	33.9	14.4	48.4	74.0	-25.6	Peak	Horizontal
	9193.6	35.5	15.2	50.8	74.0	-23.2	Peak	Horizontal
*	7195.3	34.5	13.6	48.2	68.2	-20.0	Peak	Vertical
*	7786.6	32.7	15.0	47.8	68.2	-20.4	Peak	Vertical
	8297.5	33.4	14.3	47.8	74.0	-26.2	Peak	Vertical
	9164.1	33.5	15.3	48.9	74.0	-25.1	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+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
*	7063.8	34.7	13.2	47.9	68.2	-20.3	Peak	Horizontal
*	7854.9	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
	8424.5	34.7	14.6	49.3	74.0	-24.7	Peak	Horizontal
	9187.5	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
*	7036.8	34.3	13.0	47.3	68.2	-20.9	Peak	Vertical
*	7762.7	33.8	14.8	48.6	68.2	-19.6	Peak	Vertical
	8374.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9177.4	35.3	15.3	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:	802.11n-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
*	7024.4	34.8	12.9	47.7	68.2	-20.5	Peak	Horizontal
*	7841.7	33.0	15.1	48.1	68.2	-20.1	Peak	Horizontal
	8342.1	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9147.4	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7137.0	34.0	13.5	47.5	68.2	-20.7	Peak	Vertical
*	7910.5	33.5	15.0	48.5	68.2	-19.7	Peak	Vertical
	8352.5	34.6	14.4	49.0	74.0	-25.0	Peak	Vertical
	9143.0	34.6	15.2	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-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
*	7048.4	34.8	13.1	47.9	68.2	-20.3	Peak	Horizontal
*	7797.5	33.6	15.0	48.6	68.2	-19.6	Peak	Horizontal
	8367.4	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9184.7	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7143.5	34.2	13.5	47.7	68.2	-20.5	Peak	Vertical
*	7985.2	33.9	15.0	48.9	68.2	-19.3	Peak	Vertical
	8387.2	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9177.7	35.5	15.3	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:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7068.6	35.1	13.2	48.4	68.2	-19.8	Peak	Horizontal
*	7983.6	33.6	15.0	48.7	68.2	-19.5	Peak	Horizontal
	8378.5	33.7	14.4	48.2	74.0	-25.8	Peak	Horizontal
	9147.7	34.3	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7039.0	34.5	13.0	47.6	68.2	-20.6	Peak	Vertical
*	7825.9	32.3	15.1	47.5	68.2	-20.7	Peak	Vertical
	8374.1	33.9	14.4	48.4	74.0	-25.6	Peak	Vertical
	9147.3	34.1	15.3	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:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7126.1	34.1	13.5	47.7	68.2	-20.5	Peak	Horizontal
*	7891.5	33.0	15.0	48.1	68.2	-20.1	Peak	Horizontal
	8467.1	33.9	14.6	48.6	74.0	-25.4	Peak	Horizontal
	9433.6	33.4	15.5	49.0	74.0	-25.0	Peak	Horizontal
*	7032.5	34.4	13.0	47.5	68.2	-20.7	Peak	Vertical
*	7812.5	32.6	15.0	47.7	68.2	-20.5	Peak	Vertical
	8256.2	33.3	14.4	47.8	74.0	-26.2	Peak	Vertical
	9137.2	33.9	15.1	49.1	74.0	-24.9	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	05-04-2015	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
*	7032.1	34.7	13.0	47.8	68.2	-20.4	Peak	Horizontal
*	7924.1	33.8	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8146.3	33.0	15.0	48.1	74.0	-25.9	Peak	Horizontal
	9159.4	33.5	15.3	48.9	74.0	-25.1	Peak	Horizontal
*	7037.0	34.5	13.0	47.6	68.2	-20.6	Peak	Vertical
*	7935.2	33.4	15.1	48.6	68.2	-19.6	Peak	Vertical
	8475.3	33.3	14.6	48.0	74.0	-26.0	Peak	Vertical
	9174.0	34.6	15.3	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-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
*	7095.2	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	7823.1	33.9	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8462.2	35.7	14.5	50.2	74.0	-23.8	Peak	Horizontal
	9184.6	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7183.7	34.4	13.6	48.0	68.2	-20.2	Peak	Vertical
*	7956.1	34.4	15.1	49.5	68.2	-18.7	Peak	Vertical
	8346.7	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical
	9134.6	34.5	15.1	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-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
*	7101.2	35.4	13.4	48.8	68.2	-19.4	Peak	Horizontal
*	7920.5	35.0	15.1	50.1	68.2	-18.1	Peak	Horizontal
	8435.8	35.2	14.6	49.8	74.0	-24.2	Peak	Horizontal
	9144.0	35.5	15.2	50.7	74.0	-23.3	Peak	Horizontal
*	7033.3	34.5	13.0	47.5	68.2	-20.7	Peak	Vertical
*	7836.2	32.9	15.1	48.0	68.2	-20.2	Peak	Vertical
	8345.5	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9176.7	35.3	15.3	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:	802.11ac-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
*	7135.6	34.4	13.5	48.0	68.2	-20.2	Peak	Horizontal
*	7864.5	33.5	15.0	48.6	68.2	-19.6	Peak	Horizontal
	8368.2	34.7	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9184.3	36.2	15.3	51.6	74.0	-22.4	Peak	Horizontal
*	7034.4	34.8	13.0	47.9	68.2	-20.3	Peak	Vertical
*	7855.6	33.6	15.1	48.8	68.2	-19.4	Peak	Vertical
	8368.2	34.3	14.4	48.8	74.0	-25.2	Peak	Vertical
	9184.8	35.8	15.3	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7153.3	35.7	13.6	49.4	68.2	-18.8	Peak	Horizontal
*	7901.0	33.7	15.0	48.8	68.2	-19.4	Peak	Horizontal
	8436.3	34.1	14.6	48.8	74.0	-25.2	Peak	Horizontal
	9112.2	34.6	14.7	49.4	74.0	-24.6	Peak	Horizontal
*	7025.2	35.3	12.9	48.3	68.2	-19.9	Peak	Vertical
*	7966.0	33.9	15.0	49.0	68.2	-19.2	Peak	Vertical
	8433.5	34.1	14.6	48.8	74.0	-25.2	Peak	Vertical
	9178.0	35.9	15.3	51.3	74.0	-22.7	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	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7045.2	35.0	13.1	48.2	68.2	-20.0	Peak	Horizontal
*	7833.0	33.9	15.1	49.1	68.2	-19.1	Peak	Horizontal
	8496.5	33.9	14.7	48.7	74.0	-25.3	Peak	Horizontal
	9122.0	33.7	14.9	48.7	74.0	-25.3	Peak	Horizontal
*	7062.2	35.6	13.1	48.8	68.2	-19.4	Peak	Vertical
*	7856.5	32.7	15.1	47.9	68.2	-20.3	Peak	Vertical
	8324.0	33.8	14.5	48.4	74.0	-25.6	Peak	Vertical
	9164.2	35.2	15.3	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:	802.11ac-VHT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7177.4	34.0	13.6	47.7	68.2	-20.5	Peak	Horizontal
*	7935.5	34.3	15.1	49.5	68.2	-18.7	Peak	Horizontal
	8488.7	33.7	14.7	48.5	74.0	-25.5	Peak	Horizontal
	9168.2	35.1	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7042.7	35.4	13.0	48.5	68.2	-19.7	Peak	Vertical
*	7854.0	32.7	15.1	47.9	68.2	-20.3	Peak	Vertical
	8384.4	34.5	14.4	49.0	74.0	-25.0	Peak	Vertical
	9121.0	34.6	14.9	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-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
*	7040.8	34.3	13.0	47.3	68.2	-20.9	Peak	Horizontal
*	7921.3	33.9	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8338.6	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	9147.2	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7084.4	34.7	13.3	48.0	68.2	-20.2	Peak	Vertical
*	7825.5	33.5	15.1	48.6	68.2	-19.6	Peak	Vertical
	8358.5	34.9	14.4	49.3	74.0	-24.7	Peak	Vertical
	9122.0	34.5	14.9	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-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
*	7057.5	35.1	13.1	48.2	68.2	-20.0	Peak	Horizontal
*	7854.5	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	8432.5	34.4	14.6	49.0	74.0	-25.0	Peak	Horizontal
	9145.3	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
*	7021.2	35.8	12.9	48.7	68.2	-19.5	Peak	Vertical
*	7846.0	33.6	15.1	48.7	68.2	-19.5	Peak	Vertical
	8354.7	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9178.3	34.8	15.3	50.1	74.0	-23.9	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:	802.11ac-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
*	7123.0	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
*	7954.1	33.9	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8478.3	34.1	14.6	48.7	74.0	-25.3	Peak	Horizontal
	9144.2	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7149.2	35.5	13.5	49.0	68.2	-19.2	Peak	Vertical
*	7825.1	33.6	15.1	48.7	68.2	-19.5	Peak	Vertical
	8462.3	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical
	9152.6	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7025.3	34.8	12.9	47.8	68.2	-20.4	Peak	Horizontal
*	7824.5	33.8	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8364.4	34.3	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9184.1	35.3	15.3	50.7	74.0	-23.3	Peak	Horizontal
*	7138.6	35.0	13.5	48.6	68.2	-19.6	Peak	Vertical
*	7855.3	33.9	15.1	49.1	68.2	-19.1	Peak	Vertical
	8452.0	34.4	14.5	49.0	74.0	-25.0	Peak	Vertical
	9182.8	35.2	15.3	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:	802.11ac-VHT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7074.4	35.0	13.2	48.3	68.2	-19.9	Peak	Horizontal
*	7934.4	33.6	15.1	48.8	68.2	-19.4	Peak	Horizontal
	8138.4	34.3	15.0	49.4	74.0	-24.6	Peak	Horizontal
	9454.8	34.3	15.5	49.9	74.0	-24.1	Peak	Horizontal
*	7133.5	34.5	13.5	48.1	68.2	-20.1	Peak	Vertical
*	7931.8	33.6	15.1	48.8	68.2	-19.4	Peak	Vertical
	8495.7	33.7	14.7	48.5	74.0	-25.5	Peak	Vertical
	9137.5	35.0	15.1	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:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7035.7	34.4	13.0	47.5	68.2	-20.7	Peak	Horizontal
*	7954.4	33.2	15.1	48.4	68.2	-19.8	Peak	Horizontal
	8342.2	34.4	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9175.5	34.8	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7032.4	35.1	13.0	48.2	68.2	-20.0	Peak	Vertical
*	7865.5	33.1	15.0	48.2	68.2	-20.0	Peak	Vertical
	8435.4	34.9	14.6	49.6	74.0	-24.4	Peak	Vertical
	9174.0	34.5	15.3	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+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
*	7043.8	35.2	13.1	48.3	68.2	-19.9	Peak	Horizontal
*	7864.7	33.8	15.0	48.8	68.2	-19.4	Peak	Horizontal
	8438.5	34.4	14.6	49.0	74.0	-25.0	Peak	Horizontal
	9154.9	35.2	15.3	50.5	74.0	-23.5	Peak	Horizontal
*	7064.5	35.6	13.2	48.8	68.2	-19.4	Peak	Vertical
*	7868.6	34.0	15.0	49.0	68.2	-19.2	Peak	Vertical
	8454.6	35.1	14.5	49.6	74.0	-24.4	Peak	Vertical
	9168.7	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Test Mode:	802.11ac-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
*	7054.6	35.8	13.1	48.9	68.2	-19.3	Peak	Horizontal
*	7854.8	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	8454.2	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	9184.5	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7185.7	34.6	13.6	48.2	68.2	-20.0	Peak	Vertical
*	7935.8	34.7	15.1	49.8	68.2	-18.4	Peak	Vertical
	8468.8	33.7	14.6	48.3	74.0	-25.7	Peak	Vertical
	9187.2	35.7	15.3	51.0	74.0	-23.0	Peak	Vertical

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

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

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

Test Mode:	802.11ac-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
*	7057.5	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
*	7952.3	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	8257.5	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
	9187.7	36.1	15.3	51.4	74.0	-22.6	Peak	Horizontal
*	7054.7	35.4	13.1	48.5	68.2	-19.7	Peak	Vertical
*	7842.5	33.5	15.1	48.6	68.2	-19.6	Peak	Vertical
	8387.4	34.5	14.4	48.9	74.0	-25.1	Peak	Vertical
	9175.8	35.2	15.3	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	05-04-2015	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
*	7038.7	35.1	13.0	48.2	68.2	-20.0	Peak	Horizontal
*	7854.9	33.1	15.1	48.3	68.2	-19.9	Peak	Horizontal
	8368.5	34.4	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9175.7	35.4	15.3	50.8	74.0	-23.2	Peak	Horizontal
*	7084.7	34.5	13.3	47.9	68.2	-20.3	Peak	Vertical
*	7854.4	33.4	15.1	48.6	68.2	-19.6	Peak	Vertical
	8387.6	34.2	14.4	48.7	74.0	-25.3	Peak	Vertical
	9175.5	35.4	15.3	50.8	74.0	-23.2	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7057.7	35.6	13.1	48.8	68.2	-19.4	Peak	Horizontal
*	7935.8	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	8374.5	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
	9167.9	34.5	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7173	34.2	13.6	47.8	68.2	-20.4	Peak	Vertical
*	7935.2	33.6	15.1	48.7	68.2	-19.5	Peak	Vertical
	8374.4	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9157.2	35.2	15.3	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:	165	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7087.5	35.5	13.3	49.1	68.2	-19.1	Peak	Horizontal
*	7942.2	33.4	15.1	48.5	68.2	-19.7	Peak	Horizontal
	8284.2	33.8	14.3	48.1	74.0	-25.9	Peak	Horizontal
	9157.2	35.3	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7084.5	35.1	13.3	48.3	68.2	-19.9	Peak	Vertical
*	7947.5	34.2	15.1	49.3	68.2	-18.9	Peak	Vertical
	8368.9	34.9	14.4	49.3	74.0	-24.7	Peak	Vertical
	9175.1	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40 – 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
*	7084.5	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
*	7954.7	33.4	15.1	48.5	68.2	-19.7	Peak	Horizontal
	8325.7	35.2	14.5	49.7	74.0	-24.3	Peak	Horizontal
	9145.5	34.3	15.2	49.5	74.0	-24.5	Peak	Horizontal
*	7054.6	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
*	7975.5	33.8	15.0	48.8	68.2	-19.4	Peak	Vertical
	8247.4	34.4	14.5	48.9	74.0	-25.1	Peak	Vertical
	9187.5	35.5	15.3	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:	802.11n-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
*	7068.2	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
*	7844.5	33.3	15.1	48.4	68.2	-19.8	Peak	Horizontal
	8384.5	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
	9187.1	36.0	15.3	51.3	74.0	-22.7	Peak	Horizontal
*	7048.8	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
*	7852.4	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
	8387.6	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	9175.1	35.1	15.3	50.4	74.0	-23.6	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-HT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7058.0	34.7	13.1	47.8	68.2	-20.4	Peak	Horizontal
*	7945.6	33.1	15.1	48.3	68.2	-19.9	Peak	Horizontal
	8368.5	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9187.5	35.9	15.3	51.2	74.0	-22.8	Peak	Horizontal
*	7074.6	35.1	13.2	48.2	68.2	-20.0	Peak	Vertical
*	7863.6	33.4	15.0	48.4	68.2	-19.8	Peak	Vertical
	8368.5	34.2	14.4	48.7	74.0	-25.3	Peak	Vertical
	9121.1	34.5	14.9	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-HT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7075.7	34.6	13.2	48.0	68.2	-20.2	Peak	Horizontal
*	7964.5	33.8	15.0	48.8	68.2	-19.4	Peak	Horizontal
	8398.7	34.9	14.4	49.3	74.0	-24.7	Peak	Horizontal
	9157.4	34.3	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	7083.6	33.5	13.3	46.8	68.2	-21.4	Peak	Vertical
*	7854.6	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
	8274.7	33.6	14.3	47.8	74.0	-26.2	Peak	Vertical
	9187.5	35.9	15.3	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Test Mode:	802.11n-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
*	7045.6	34.2	13.1	47.3	68.2	-20.9	Peak	Horizontal
*	7865.5	33.2	15.0	48.2	68.2	-20.0	Peak	Horizontal
	8287.6	33.6	14.3	47.9	74.0	-26.1	Peak	Horizontal
	9175.7	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7057.5	34.5	13.1	47.6	68.2	-20.6	Peak	Vertical
*	7947.1	33.6	15.1	48.7	68.2	-19.5	Peak	Vertical
	8287.5	34.0	14.3	48.3	74.0	-25.7	Peak	Vertical
	9177.6	35.2	15.3	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-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
*	7048.9	35.6	13.1	48.7	68.2	-19.5	Peak	Horizontal
*	7865.7	34.5	15.0	49.5	68.2	-18.7	Peak	Horizontal
	8367.5	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	9187.6	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
*	7057.7	35.5	13.1	48.6	68.2	-19.6	Peak	Vertical
*	7964.4	33.7	15.0	48.7	68.2	-19.5	Peak	Vertical
	8369.6	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	9185.5	36.5	15.3	51.8	74.0	-22.2	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7064.6	34.9	13.2	48.2	68.2	-20.0	Peak	Horizontal
*	7864.5	33.4	15.0	48.4	68.2	-19.8	Peak	Horizontal
	8287.6	33.7	14.3	48.0	74.0	-26.0	Peak	Horizontal
	9152.4	34.4	15.3	49.7	74.0	-24.3	Peak	Horizontal
*	7168.9	34.2	13.6	47.8	68.2	-20.4	Peak	Vertical
*	7975.5	34.2	15.0	48.9	68.2	-19.3	Peak	Vertical
	8435.7	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	9178.7	35.2	15.3	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-HT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7088.7	35.2	13.3	48.4	68.2	-19.8	Peak	Horizontal
*	7835.0	34.6	15.1	49.7	68.2	-18.5	Peak	Horizontal
	8368.2	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9172.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7158.7	34.8	13.6	48.4	68.2	-19.8	Peak	Vertical
*	7935.4	33.5	15.1	48.6	68.2	-19.6	Peak	Vertical
	8338.4	33.9	14.5	48.5	74.0	-25.5	Peak	Vertical
	9157.3	34.4	15.3	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:	802.11n-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
*	7014.4	35.3	12.8	48.1	68.2	-20.1	Peak	Horizontal
*	7824.4	32.8	15.1	47.9	68.2	-20.3	Peak	Horizontal
	8338.0	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9144.8	34.8	15.2	50.0	74.0	-24.0	Peak	Horizontal
*	7079.3	35.0	13.2	48.2	68.2	-20.0	Peak	Vertical
*	7988.8	33.9	15.0	48.9	68.2	-19.3	Peak	Vertical
	8474.5	33.5	14.6	48.1	74.0	-25.9	Peak	Vertical
	9174.5	35.2	15.3	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-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
*	7084.8	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	7958.1	34.0	15.1	49.1	68.2	-19.1	Peak	Horizontal
	8354.4	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
	9065.4	34.2	14.5	48.7	74.0	-25.3	Peak	Horizontal
*	7057.7	34.9	13.1	48.0	68.2	-20.2	Peak	Vertical
*	7853.5	33.3	15.1	48.4	68.2	-19.8	Peak	Vertical
	8445.5	34.0	14.5	48.5	74.0	-25.5	Peak	Vertical
	9184.6	35.0	15.3	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:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7176.1	34.6	13.6	48.3	68.2	-19.9	Peak	Horizontal
*	7952.1	33.5	15.1	48.6	68.2	-19.6	Peak	Horizontal
	8368.1	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9168.1	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
*	7084.0	34.8	13.3	48.0	68.2	-20.2	Peak	Vertical
*	7831.6	33.7	15.1	48.8	68.2	-19.4	Peak	Vertical
	8368.2	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	9168.1	34.2	15.3	49.3	74.0	-24.7	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+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7047.7	35.3	13.1	48.1	68.2	-20.1	Peak	Horizontal
*	7931.5	34.2	15.1	49.3	68.2	-18.9	Peak	Horizontal
	8384.5	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	9157.5	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
*	7024.3	35.6	12.9	48.5	68.2	-19.7	Peak	Vertical
*	7854.3	33.4	15.1	48.3	68.2	-19.9	Peak	Vertical
	8368.7	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	9174.1	35.1	15.3	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:	802.11ac-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
*	7168.7	34.6	13.6	48.2	68.2	-20.0	Peak	Horizontal
*	7965.1	34.2	15.0	49.2	68.2	-19.0	Peak	Horizontal
	8268.3	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	9154.4	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7045.7	35.0	13.1	48.1	68.2	-20.1	Peak	Vertical
*	7952.7	33.3	15.1	48.4	68.2	-19.8	Peak	Vertical
	8382.1	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	9146.6	34.8	15.3	50.1	74.0	-23.9	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:	802.11ac-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
*	7068.3	35.5	13.2	48.7	68.2	-19.5	Peak	Horizontal
*	7938.7	33.4	15.1	48.5	68.2	-19.7	Peak	Horizontal
	8484.4	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	9165.5	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7179.4	34.7	13.6	48.3	68.2	-19.9	Peak	Vertical
*	7984.1	34.2	15.0	49.2	68.2	-19.0	Peak	Vertical
	8350.4	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9105.1	33.5	14.6	48.1	74.0	-25.9	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:	802.11ac-VHT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7081.8	34.5	13.3	48.0	68.2	-20.2	Peak	Horizontal
*	7905.4	33.7	15.0	48.7	68.2	-19.5	Peak	Horizontal
	8307.6	34.8	14.3	49.1	74.0	-24.9	Peak	Horizontal
	9172.1	35.1	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7004.6	35.4	12.8	48.2	68.2	-20.0	Peak	Vertical
*	7804.1	33.9	15.0	49.0	68.2	-19.2	Peak	Vertical
	8405.7	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	9105.8	34.0	14.6	48.6	74.0	-25.4	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	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7084.5	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	7854.1	33.0	15.1	48.0	68.2	-20.2	Peak	Horizontal
	8206.5	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
	9198.6	35.7	15.2	50.9	74.0	-23.1	Peak	Horizontal
*	7041.1	34.7	13.0	47.7	68.2	-20.5	Peak	Vertical
*	7804.7	33.5	15.0	48.5	68.2	-19.7	Peak	Vertical
	8228.5	34.6	14.5	49.0	74.0	-25.0	Peak	Vertical
	9150.5	35.3	15.3	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:	802.11ac-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
*	7084.6	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	7827.1	33.1	15.1	48.2	68.2	-20.0	Peak	Horizontal
	8305.1	34.1	14.3	48.4	74.0	-25.6	Peak	Horizontal
	9187.5	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7044.0	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
*	7954.5	33.2	15.1	48.3	68.2	-19.9	Peak	Vertical
	8354.5	35.2	14.4	49.6	74.0	-24.4	Peak	Vertical
	9187.7	35.4	15.3	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:	802.11ac-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
*	7068.5	35.7	13.2	48.9	68.2	-19.3	Peak	Horizontal
*	7842.1	33.3	15.1	48.4	68.2	-19.8	Peak	Horizontal
	8324.0	34.3	14.5	48.8	74.0	-25.2	Peak	Horizontal
	9184.1	35.3	15.3	50.6	74.0	-23.4	Peak	Horizontal
*	7184.1	34.7	13.6	48.3	68.2	-19.9	Peak	Vertical
*	7904.1	33.5	15.0	48.5	68.2	-19.7	Peak	Vertical
	8334.0	33.7	14.5	48.2	74.0	-25.8	Peak	Vertical
	9154.1	34.5	15.3	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-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7065.2	35.0	13.2	48.2	68.2	-20.0	Peak	Horizontal
*	7805.6	34.1	15.0	48.9	68.2	-19.3	Peak	Horizontal
	8342.0	34.8	14.5	49.3	74.0	-24.7	Peak	Horizontal
	9154.1	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7045.6	34.9	13.1	48.0	68.2	-20.2	Peak	Vertical
*	7984.5	33.3	15.0	48.3	68.2	-19.9	Peak	Vertical
	8341.0	34.2	14.5	48.6	74.0	-25.4	Peak	Vertical
	9157.5	33.9	15.3	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:	802.11ac-VHT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7046.5	35.1	13.1	48.1	68.2	-20.1	Peak	Horizontal
*	7935.5	34.6	15.1	49.7	68.2	-18.5	Peak	Horizontal
	8328.2	34.2	14.5	48.6	74.0	-25.4	Peak	Horizontal
	9134.1	34.5	15.1	49.6	74.0	-24.4	Peak	Horizontal
*	7168.4	34.2	13.6	47.8	68.2	-20.4	Peak	Vertical
*	7828.0	33.3	15.1	48.2	68.2	-20.0	Peak	Vertical
	8327.1	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9165.1	34.3	15.3	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:	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
*	7069.4	34.6	13.2	47.8	68.2	-20.4	Peak	Horizontal
*	7851.5	33.9	15.1	49.0	68.2	-19.2	Peak	Horizontal
	8398.8	35.2	14.4	49.6	74.0	-24.4	Peak	Horizontal
	9172.6	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7168.1	34.9	13.6	48.5	68.2	-19.7	Peak	Vertical
*	7954.4	33.6	15.1	48.7	68.2	-19.5	Peak	Vertical
	8342.6	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical
	9168.3	34.3	15.3	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+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
*	7168.9	33.9	13.6	47.5	68.2	-20.7	Peak	Horizontal
*	7928.3	33.7	15.1	48.8	68.2	-19.4	Peak	Horizontal
	8349.2	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9155.0	34.9	15.3	50.2	74.0	-23.8	Peak	Horizontal
*	7065.3	34.7	13.2	47.9	68.2	-20.3	Peak	Vertical
*	7934.2	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
	8447.3	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9128.4	34.1	15.0	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:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7084.7	34.3	13.3	47.7	68.2	-20.5	Peak	Horizontal
*	7832.5	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
	8158.2	34.2	14.9	49.0	74.0	-25.0	Peak	Horizontal
	9154.3	34.5	15.3	49.8	74.0	-24.2	Peak	Horizontal
*	7057.2	34.9	13.1	48.0	68.2	-20.2	Peak	Vertical
*	7867.0	34.1	15.0	49.1	68.2	-19.1	Peak	Vertical
	8378.5	34.5	14.4	48.8	74.0	-25.2	Peak	Vertical
	9138.2	35.2	15.2	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:	802.11ac-VHT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7024.3	35.5	12.9	48.3	68.2	-19.9	Peak	Horizontal
*	7833.0	32.8	15.1	47.9	68.2	-20.3	Peak	Horizontal
	8398.4	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
	9184.1	35.2	15.3	50.3	74.0	-23.7	Peak	Horizontal
*	7184.4	34.5	13.6	48.1	68.2	-20.1	Peak	Vertical
*	7865.6	33.6	15.0	48.6	68.2	-19.6	Peak	Vertical
	8425.1	34.1	14.6	48.6	74.0	-25.4	Peak	Vertical
	9167.2	34.9	15.3	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
*	7045.4	34.6	13.1	47.7	68.2	-20.5	Peak	Horizontal
*	7841.0	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	8324.4	34.4	14.5	48.9	74.0	-25.1	Peak	Horizontal
	9157.2	34.7	15.3	50.0	74.0	-24.0	Peak	Horizontal
*	7024.1	35.3	12.9	48.2	68.2	-20.0	Peak	Vertical
*	7982.0	34.0	15.0	49.0	68.2	-19.2	Peak	Vertical
	8464.4	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	9157.2	34.7	15.3	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT80 – Ant 0	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7035.0	35.4	13.0	48.1	68.2	-20.1	Peak	Horizontal
*	7842.2	33.2	15.1	48.2	68.2	-20.0	Peak	Horizontal
	8345.0	34.4	14.4	48.8	74.0	-25.2	Peak	Horizontal
	9157.0	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	7045.6	34.9	13.1	47.9	68.2	-20.3	Peak	Vertical
*	7987.7	33.6	15.0	48.6	68.2	-19.6	Peak	Vertical
	8434.5	34.3	14.6	48.7	74.0	-25.3	Peak	Vertical
	9174.5	35.2	15.3	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 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
*	7034.5	35.7	13.0	48.7	68.2	-19.5	Peak	Horizontal
*	7851.1	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
	8354.4	35.7	14.4	50.1	74.0	-23.9	Peak	Horizontal
	9184.5	35.6	15.3	50.9	74.0	-23.1	Peak	Horizontal
*	7165.3	34.8	13.6	48.4	68.2	-19.8	Peak	Vertical
*	7822.0	33.7	15.0	48.7	68.2	-19.5	Peak	Vertical
	8351.5	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	9157.7	34.6	15.3	49.9	74.0	-24.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions 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	05-04-2015	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
*	7752.4	34.6	14.8	49.1	68.2	-19.1	Peak	Horizontal
*	8692.3	34.1	14.8	48.9	68.2	-19.3	Peak	Horizontal
	9123.6	34.5	14.9	49.3	74.0	-24.7	Peak	Horizontal
	9412.4	33.9	15.5	49.4	74.0	-24.6	Peak	Horizontal
*	7862.4	33.8	15.1	48.9	68.2	-19.3	Peak	Vertical
*	8601.3	33.7	14.9	48.6	68.2	-19.6	Peak	Vertical
	9142.4	35.2	15.2	50.3	74.0	-23.7	Peak	Vertical
	9452.3	33.6	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-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
*	7812.4	33.6	15.0	48.6	68.2	-19.6	Peak	Horizontal
*	8615.4	33.2	14.8	48.0	68.2	-20.2	Peak	Horizontal
	9172.4	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9425.3	33.4	15.5	48.9	74.0	-25.1	Peak	Horizontal
*	7815.4	32.6	15.0	47.6	68.2	-20.6	Peak	Vertical
*	8623.3	33.7	14.8	48.5	68.2	-19.7	Peak	Vertical
	9145.4	34.9	15.2	50.1	74.0	-23.9	Peak	Vertical
	9412.4	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:	802.11ac-VHT80 – Ant 0+1	Test Site:	AC1
Test Channel:	155	Test Engineer:	Milo Li
Test Date	05-04-2015	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
*	7751.4	34.2	14.8	49.0	68.2	-19.2	Peak	Horizontal
*	8681.5	33.6	14.8	48.4	68.2	-19.8	Peak	Horizontal
	9145.6	35.1	15.2	50.3	74.0	-23.7	Peak	Horizontal
	9472.5	34.7	15.4	50.1	74.0	-23.9	Peak	Horizontal
*	7845.4	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
*	8456.4	34.1	14.5	48.6	68.2	-19.6	Peak	Vertical
	9143.7	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	9425.4	33.7	15.5	49.2	74.0	-24.8	Peak	Vertical

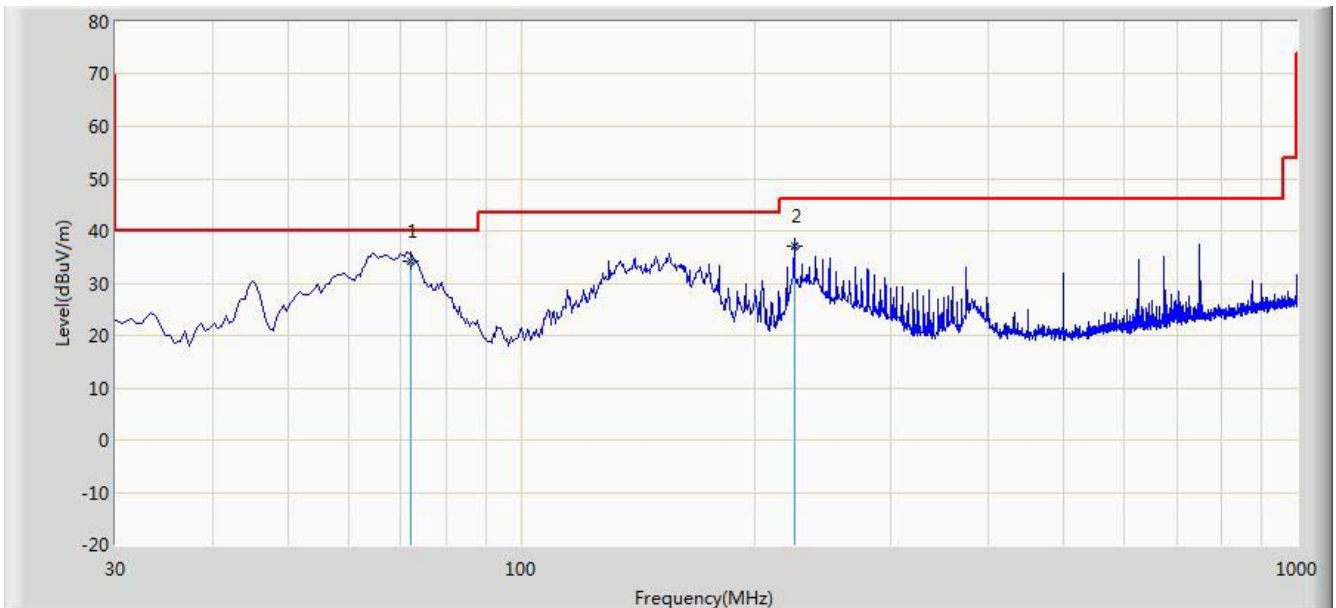
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

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

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

The worst case of Radiated Emission below 1GHz:

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 09:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz by 802.11a	

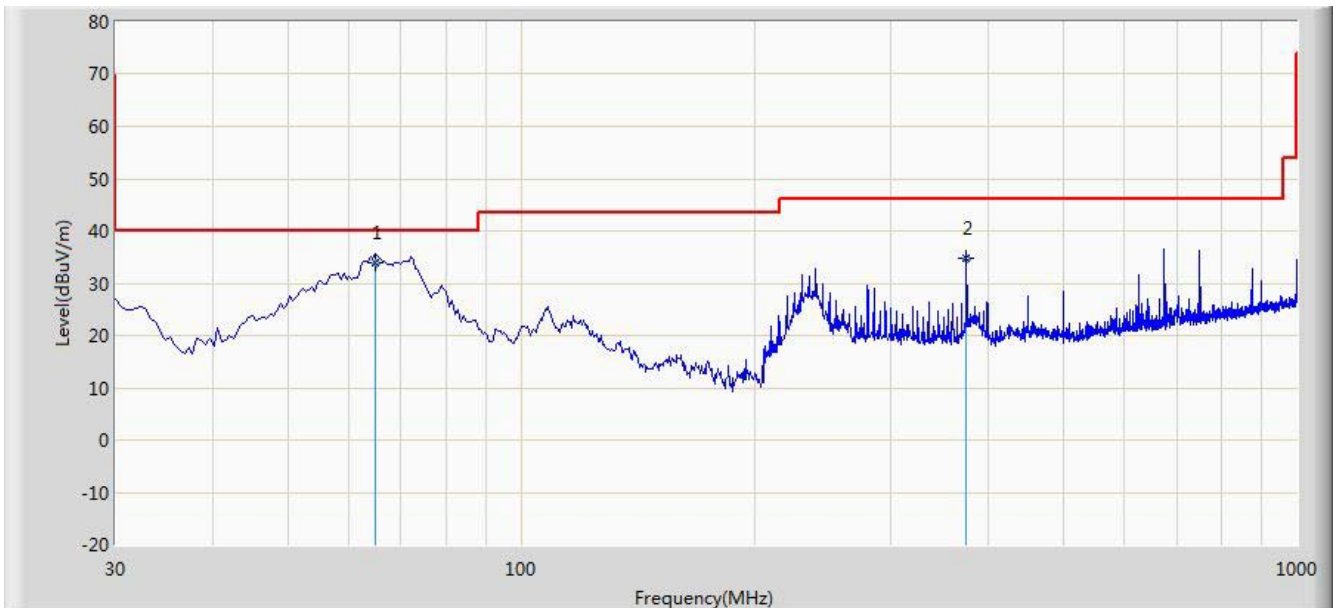


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	72.230	34.158	23.987	-5.842	40.000	10.171	QP
2			225.340	36.994	24.510	-9.006	46.000	12.484	QP

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 09:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 5180MHz by 802.11a	

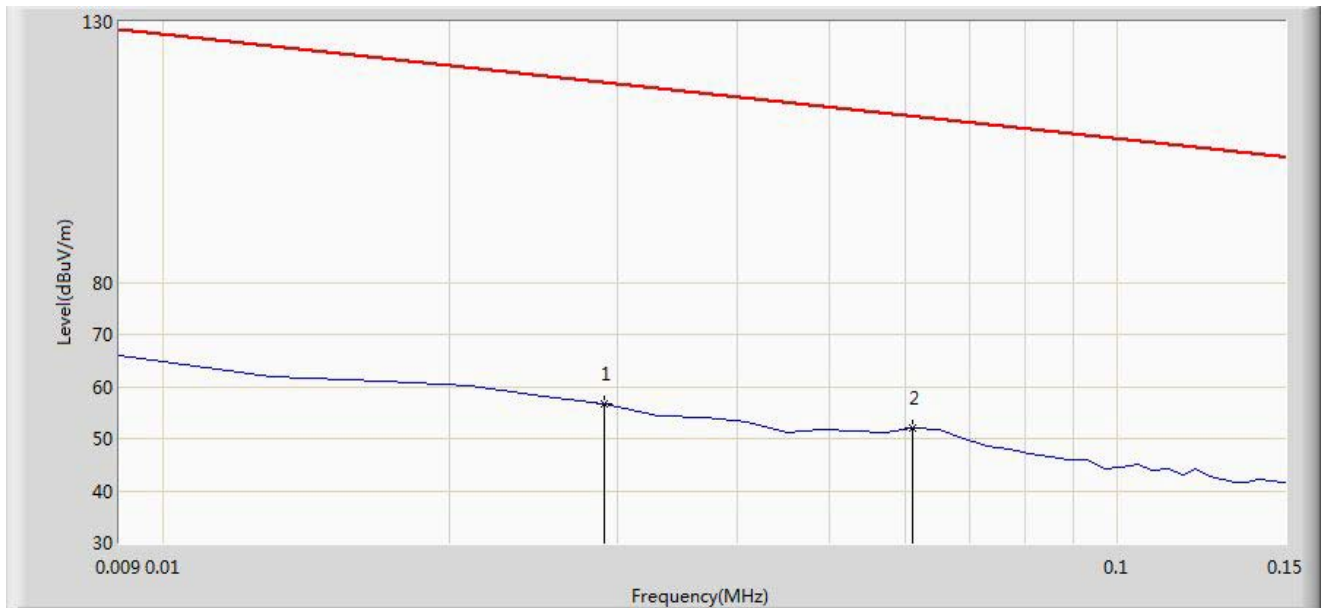


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	64.837	34.024	21.630	-5.976	40.000	12.394	QP
2			375.360	34.677	18.940	-11.323	46.000	15.737	QP

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 18:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

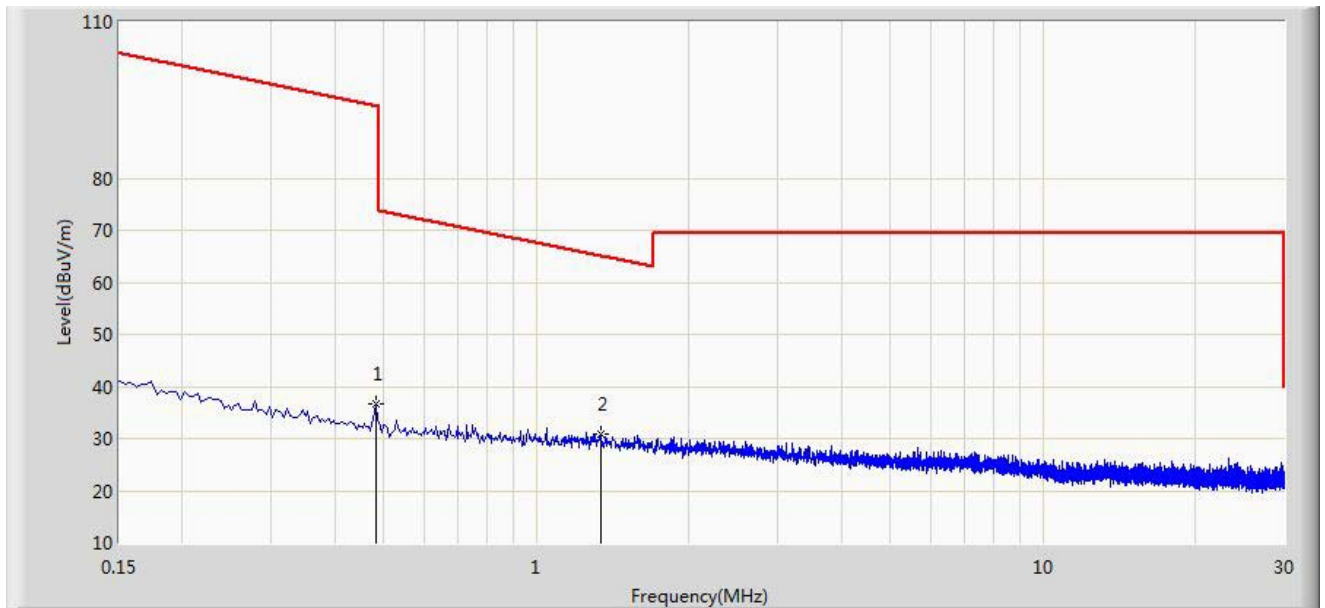


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.720	35.671	-61.622	118.342	21.049	QP
2		*	0.061	51.902	31.591	-59.985	111.887	20.311	QP

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 18:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

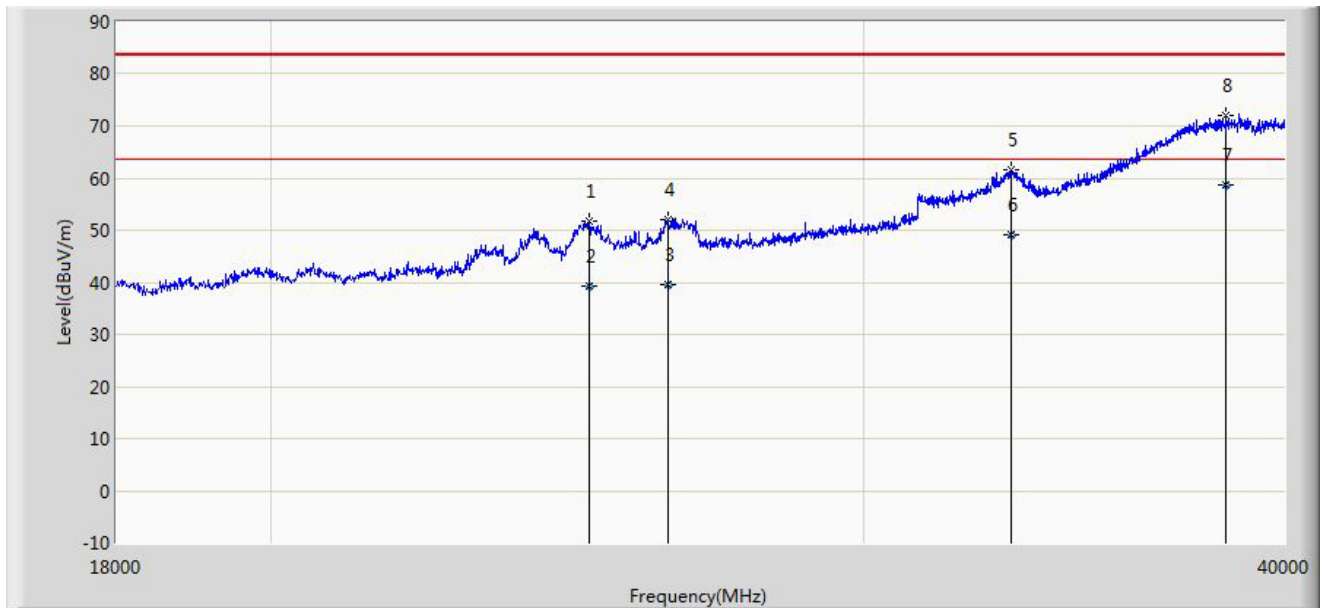


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.594	16.194	-57.348	93.943	20.401	QP
2		*	1.338	31.005	10.516	-34.094	65.099	20.489	QP

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 21:12
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

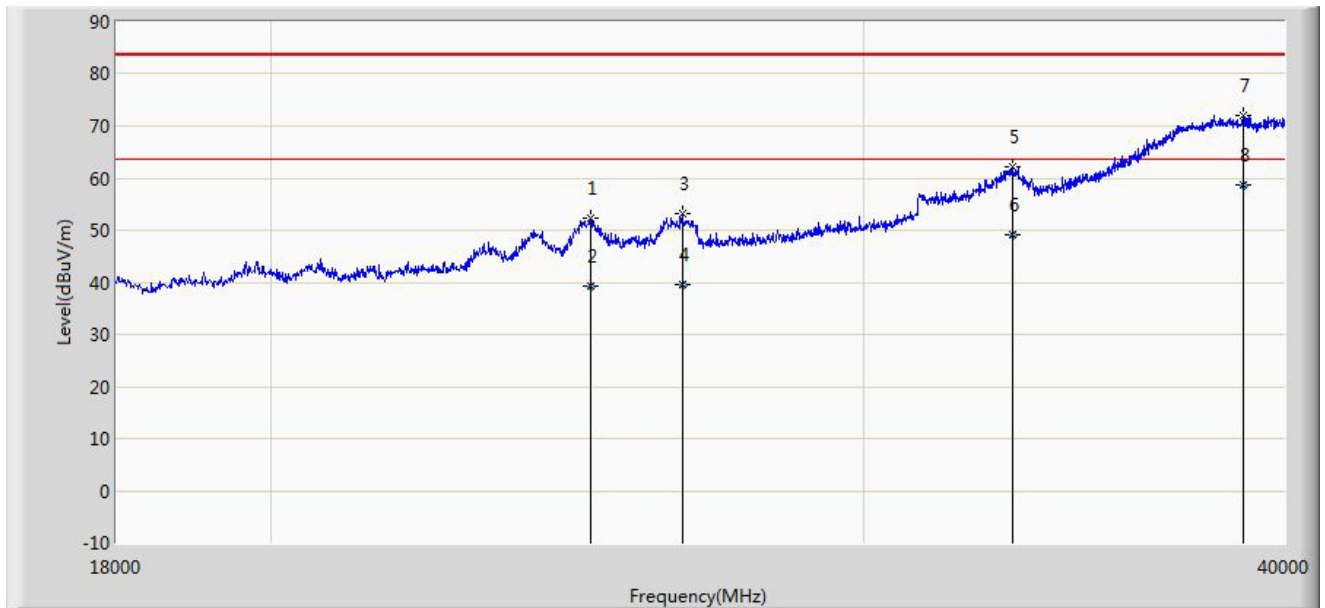


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.876	37.101	-31.624	83.500	14.775	PK
2			24864.088	39.255	24.480	-24.245	63.500	14.775	AV
3			26260.988	39.509	24.090	-23.991	63.500	15.419	AV
4			26261.000	51.996	36.577	-31.504	83.500	15.419	PK
5			33180.000	61.501	39.980	-21.999	83.500	21.521	PK
6			33180.363	49.081	27.560	-14.419	63.500	21.521	AV
7		*	38437.980	58.563	31.230	-4.937	63.500	27.333	AV
8			38438.000	72.071	44.738	-11.429	83.500	27.333	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/29 - 21:15
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	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	52.363	37.578	-31.137	83.500	14.785	PK
2			24886.970	39.274	24.489	-24.226	63.500	14.785	AV
3			26503.000	53.267	37.247	-30.233	83.500	16.020	PK
4			26503.877	39.632	23.610	-23.868	63.500	16.022	AV
5			33213.000	62.169	40.632	-21.331	83.500	21.538	PK
6			33213.989	49.128	27.590	-14.372	63.500	21.538	AV
7			38900.000	72.136	44.251	-11.364	83.500	27.885	PK
8		*	38900.756	58.755	30.870	-4.745	63.500	27.885	AV

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

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

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

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions 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
5470 - 5725	-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.

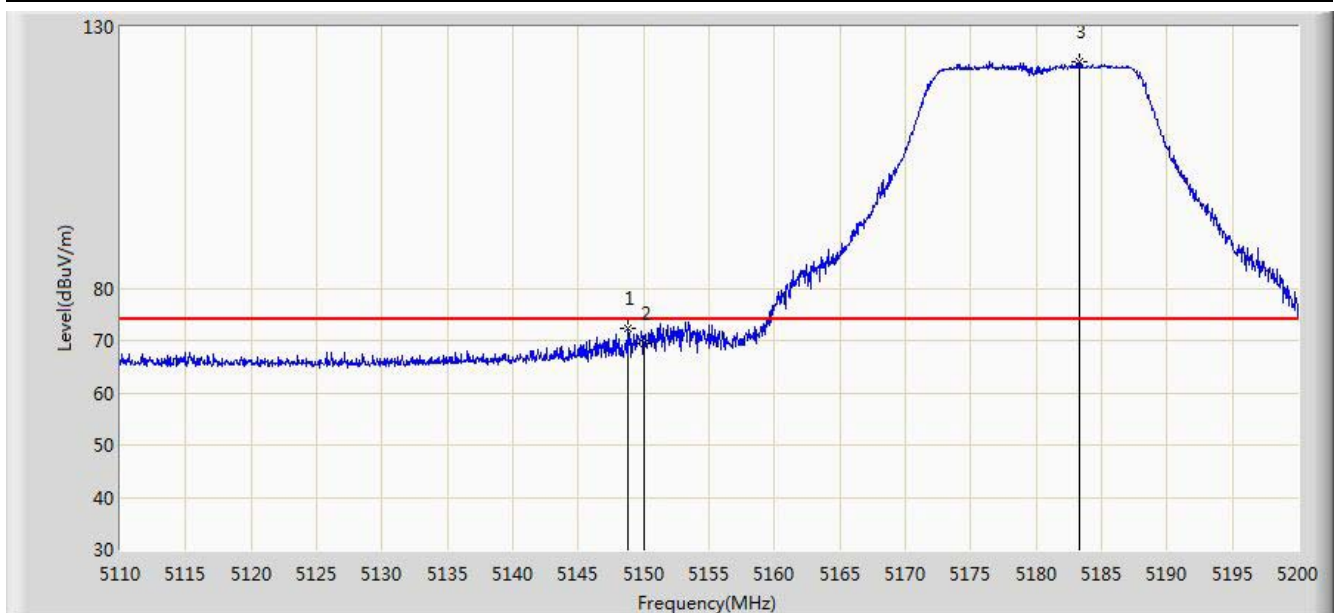
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

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

Test by pannel antenna – 25dBi

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

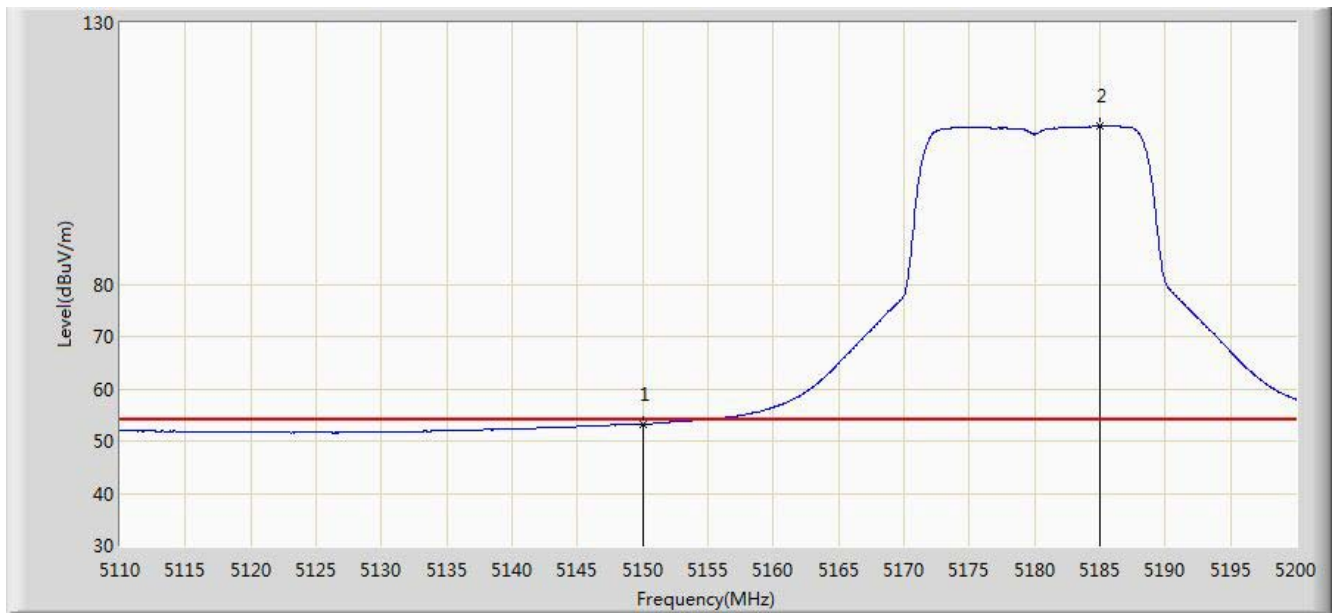


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.745	72.201	65.024	-1.799	74.000	7.177	PK
2			5150.000	69.401	62.225	-4.599	74.000	7.176	PK
3		*	5183.260	123.362	116.329	N/A	N/A	7.034	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

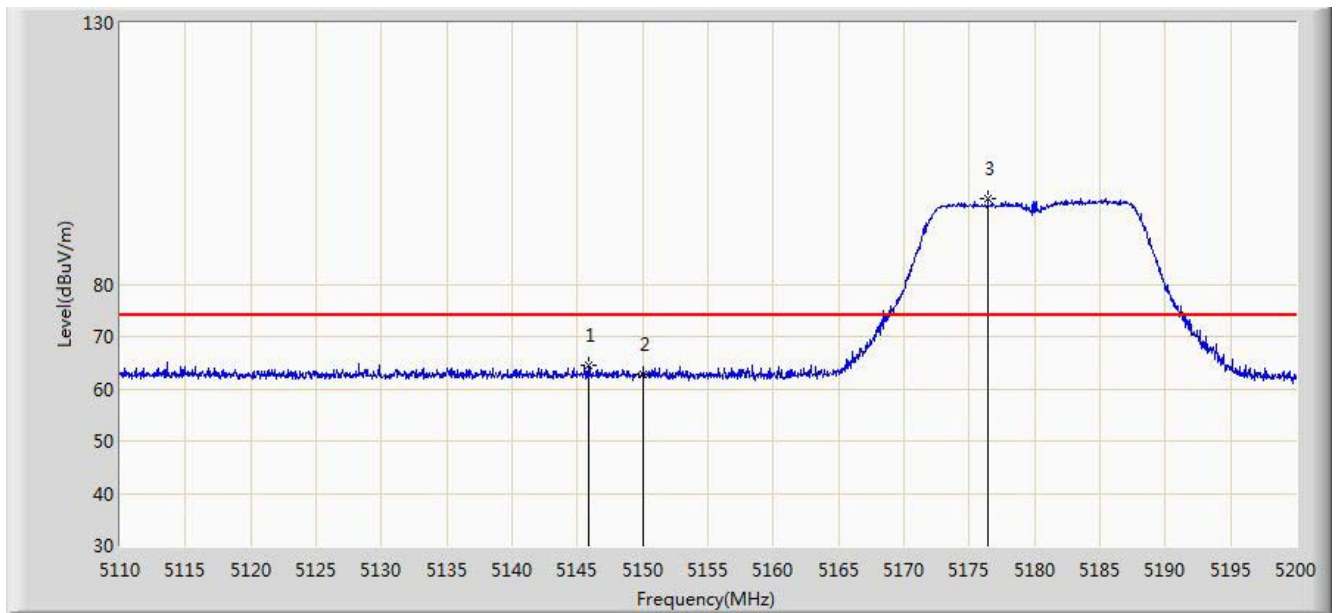


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.233	46.057	-0.767	54.000	7.176	AV
2		*	5184.970	110.210	103.187	N/A	N/A	7.023	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

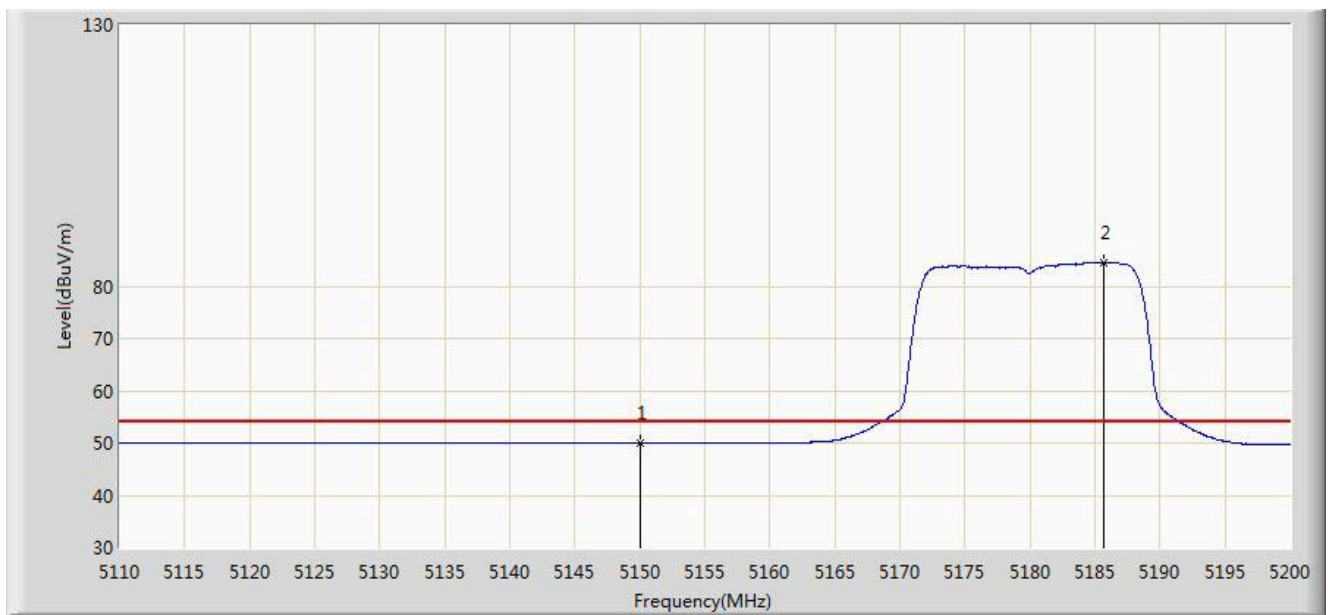


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.820	64.348	57.170	-9.652	74.000	7.178	PK
2			5150.000	62.792	55.616	-11.208	74.000	7.176	PK
3		*	5176.420	96.307	89.229	N/A	N/A	7.077	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 09:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

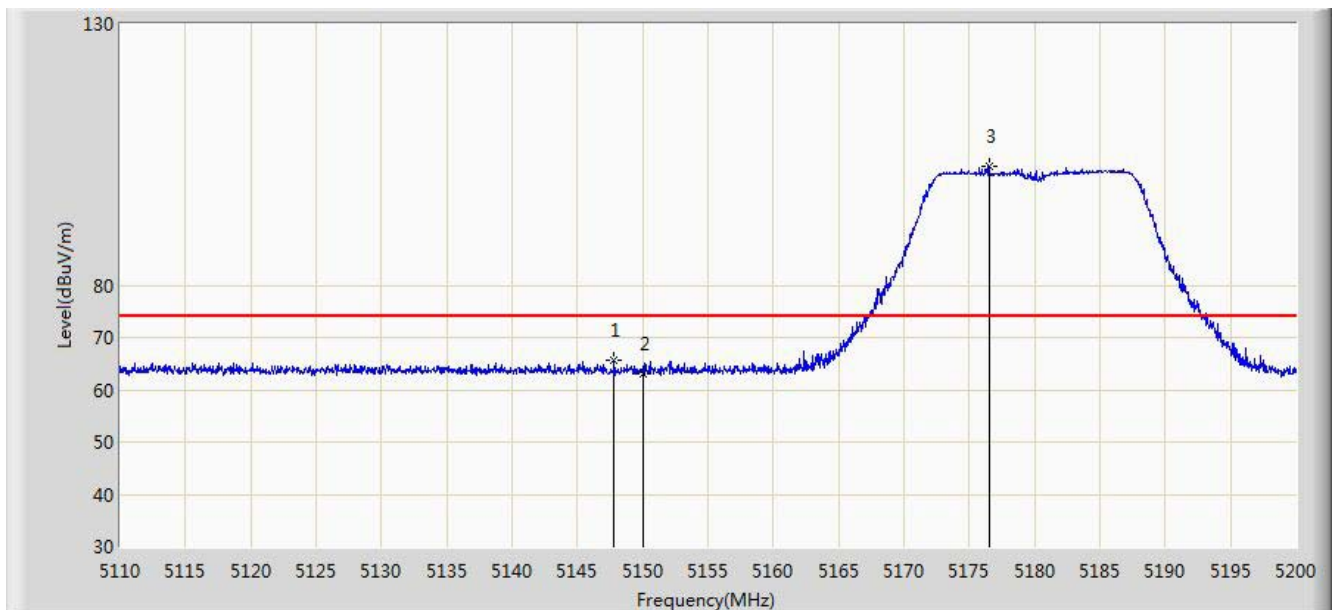


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.014	42.838	-3.986	54.000	7.176	AV
2		*	5185.690	84.543	77.525	N/A	N/A	7.018	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

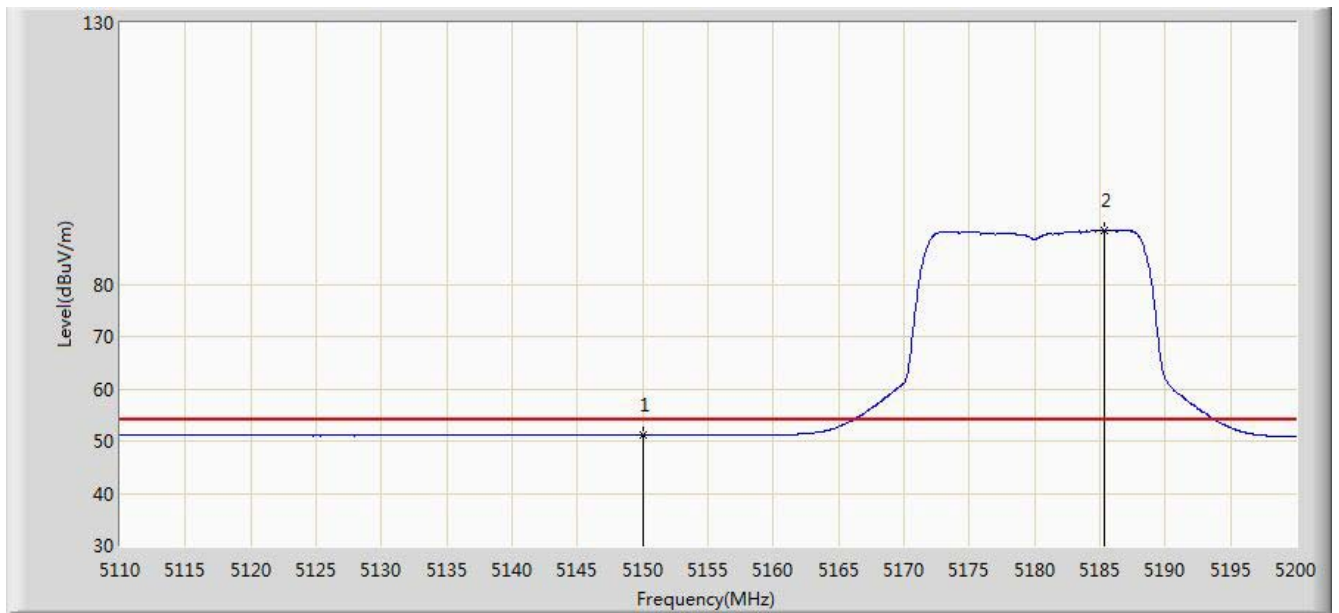


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	65.691	58.514	-8.309	74.000	7.177	PK
2			5150.000	63.140	55.964	-10.860	74.000	7.176	PK
3		*	5176.510	102.798	95.721	N/A	N/A	7.077	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

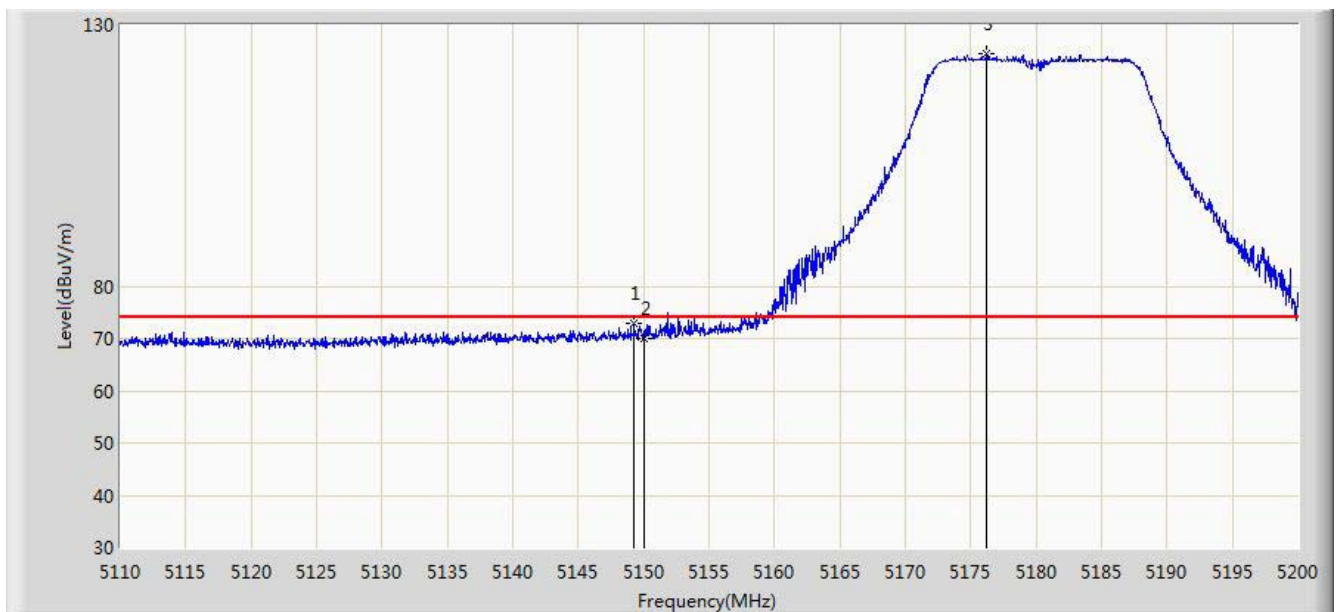


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.093	43.917	-2.907	54.000	7.176	AV
2		*	5185.375	90.345	83.325	N/A	N/A	7.020	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

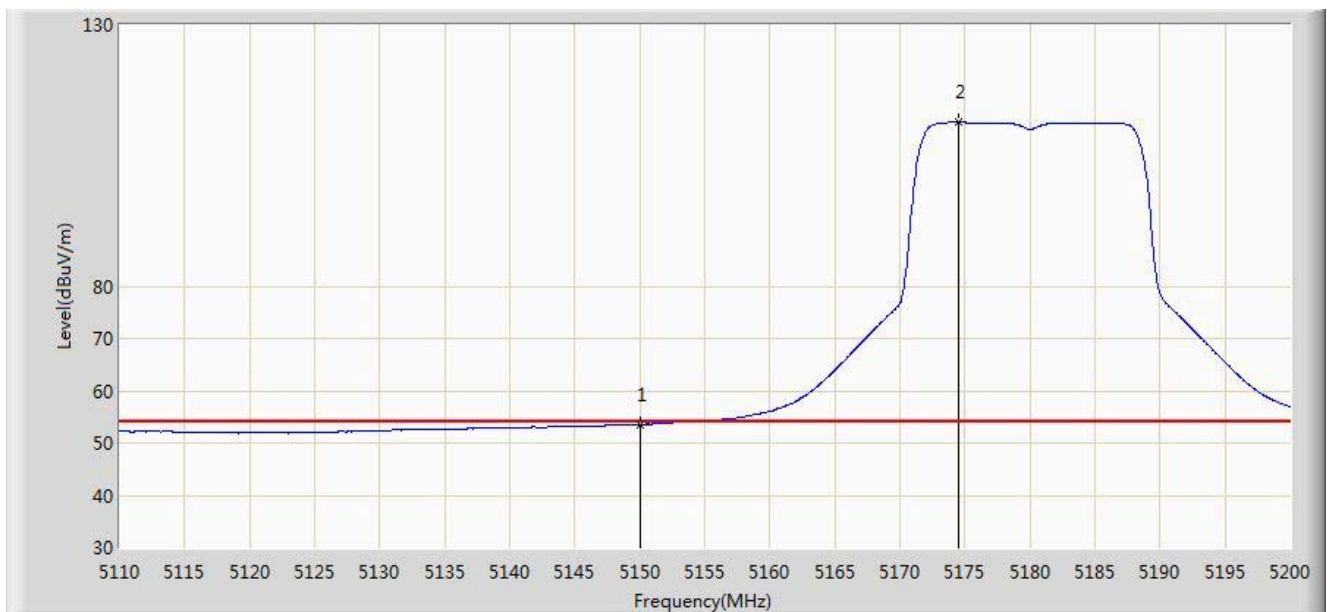


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	72.809	65.632	-1.191	74.000	7.176	PK
2			5150.000	69.885	62.709	-4.115	74.000	7.176	PK
3		*	5176.240	124.386	117.307	N/A	N/A	7.079	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 10:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

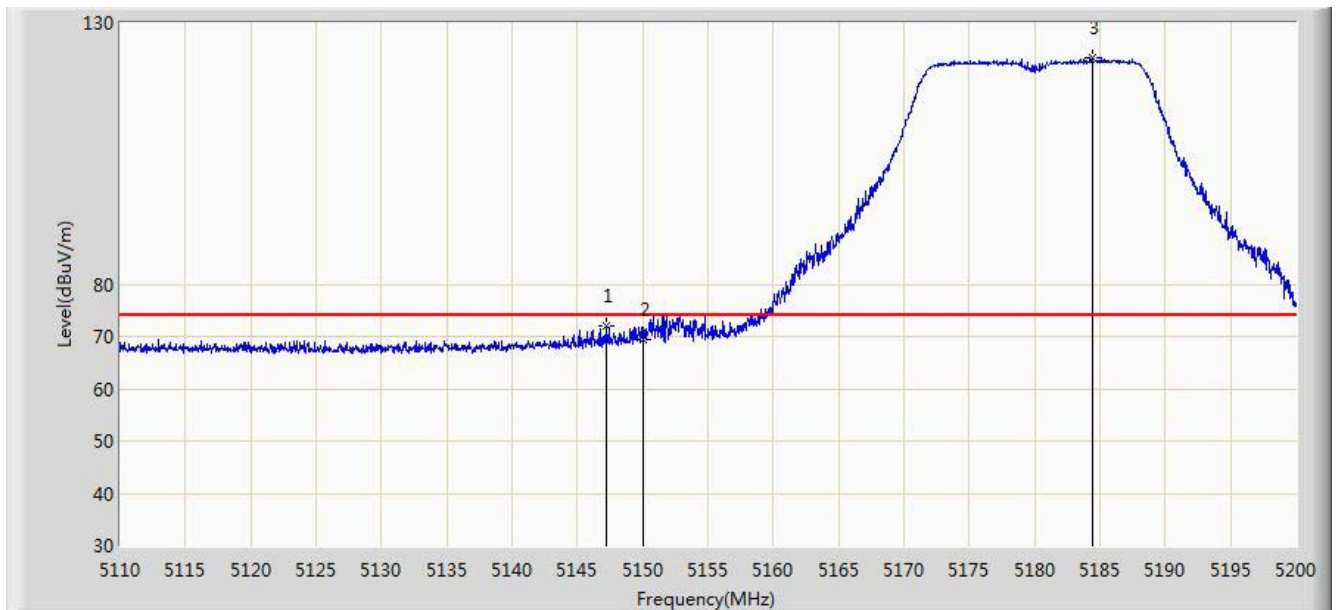


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.566	46.390	-0.434	54.000	7.176	AV
2		*	5174.485	111.322	104.231	N/A	N/A	7.091	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

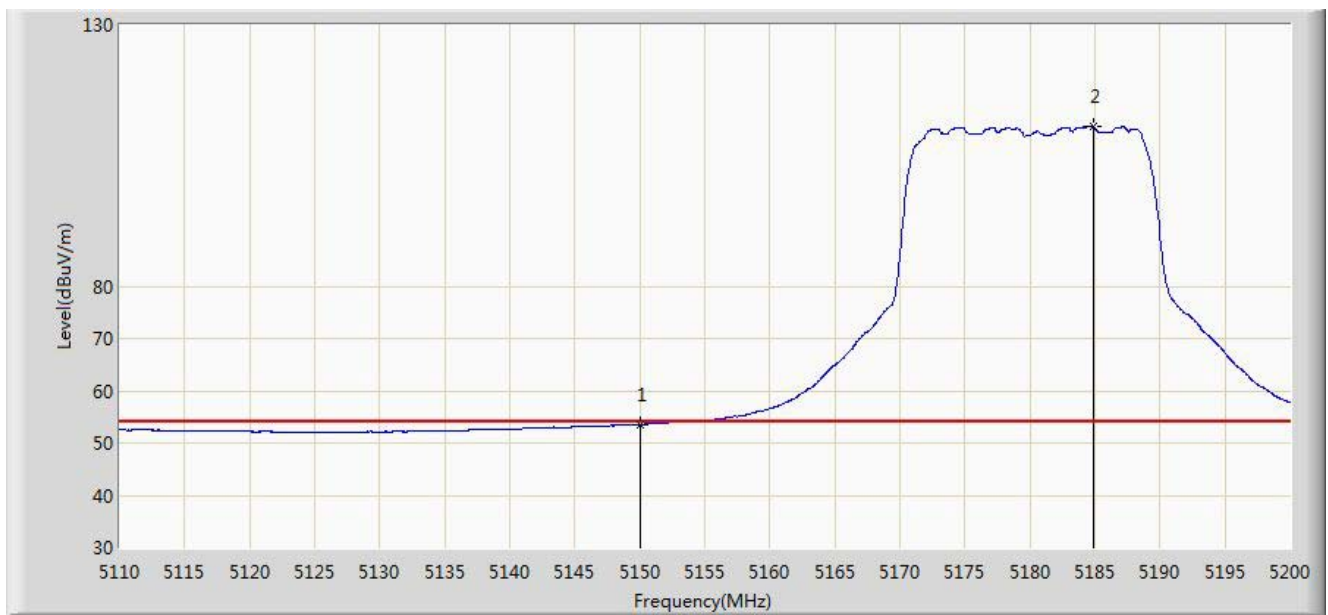


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.260	71.959	64.782	-2.041	74.000	7.177	PK
2			5150.000	69.327	62.151	-4.673	74.000	7.176	PK
3		*	5184.430	123.411	116.385	N/A	N/A	7.027	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

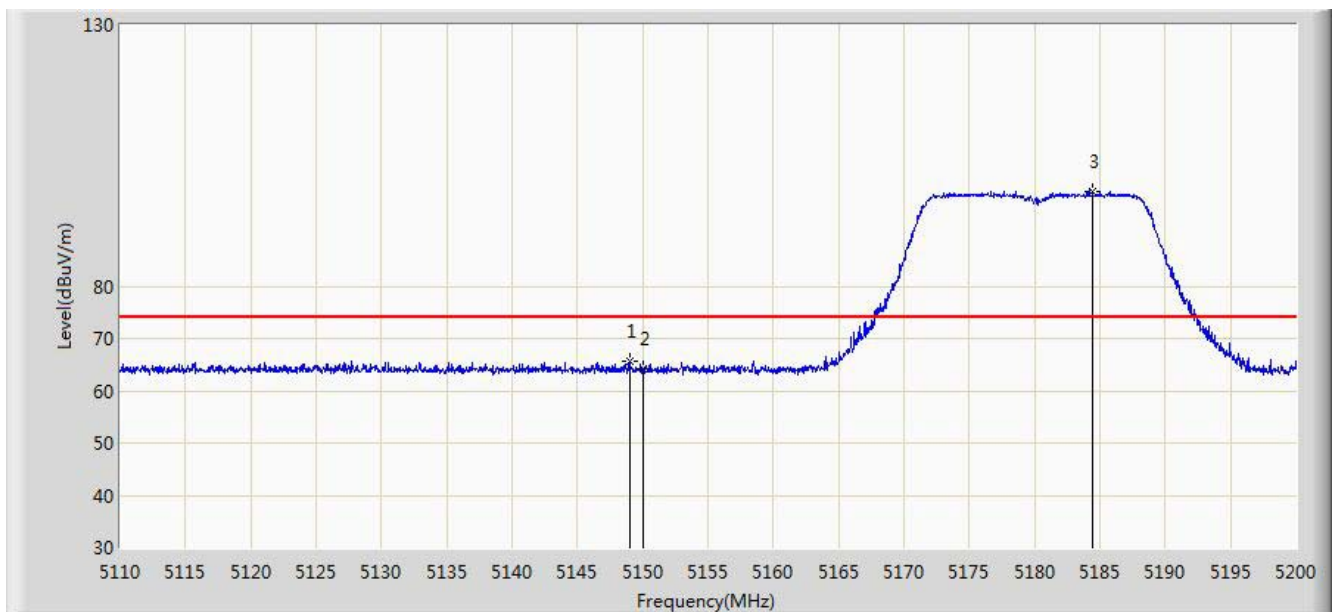


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.527	46.351	-0.473	54.000	7.176	AV
2		*	5184.835	110.553	103.529	N/A	N/A	7.023	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

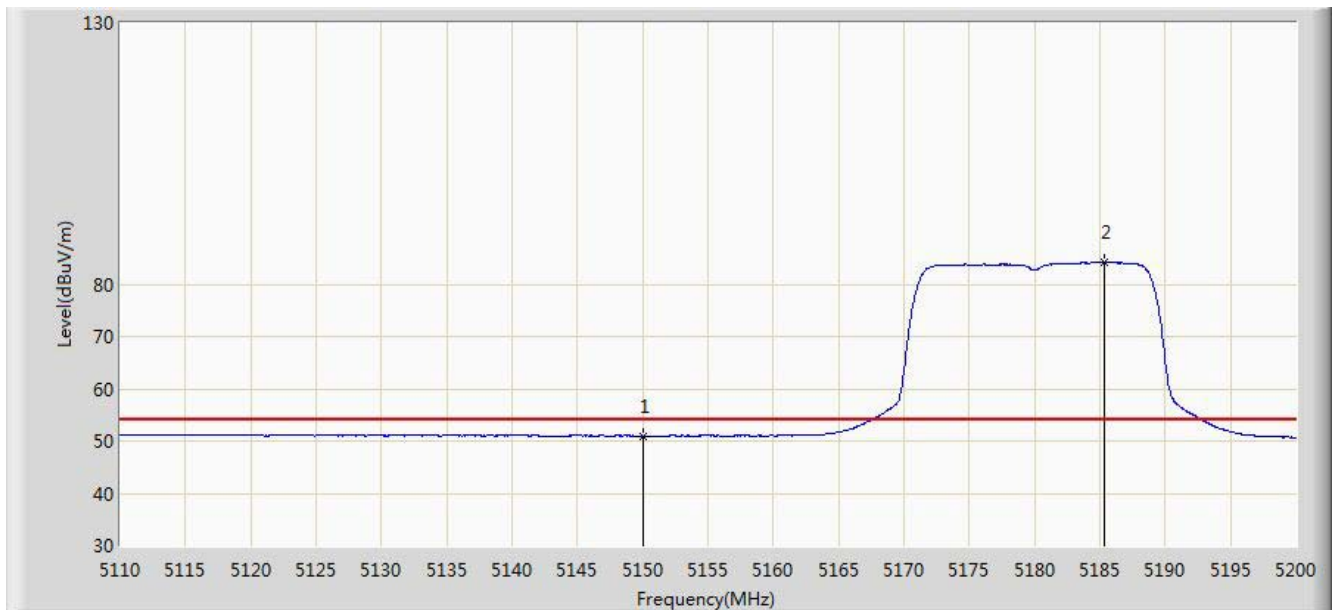


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.970	65.634	58.457	-8.366	74.000	7.176	PK
2			5150.000	64.264	57.088	-9.736	74.000	7.176	PK
3		*	5184.430	98.201	91.175	N/A	N/A	7.027	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

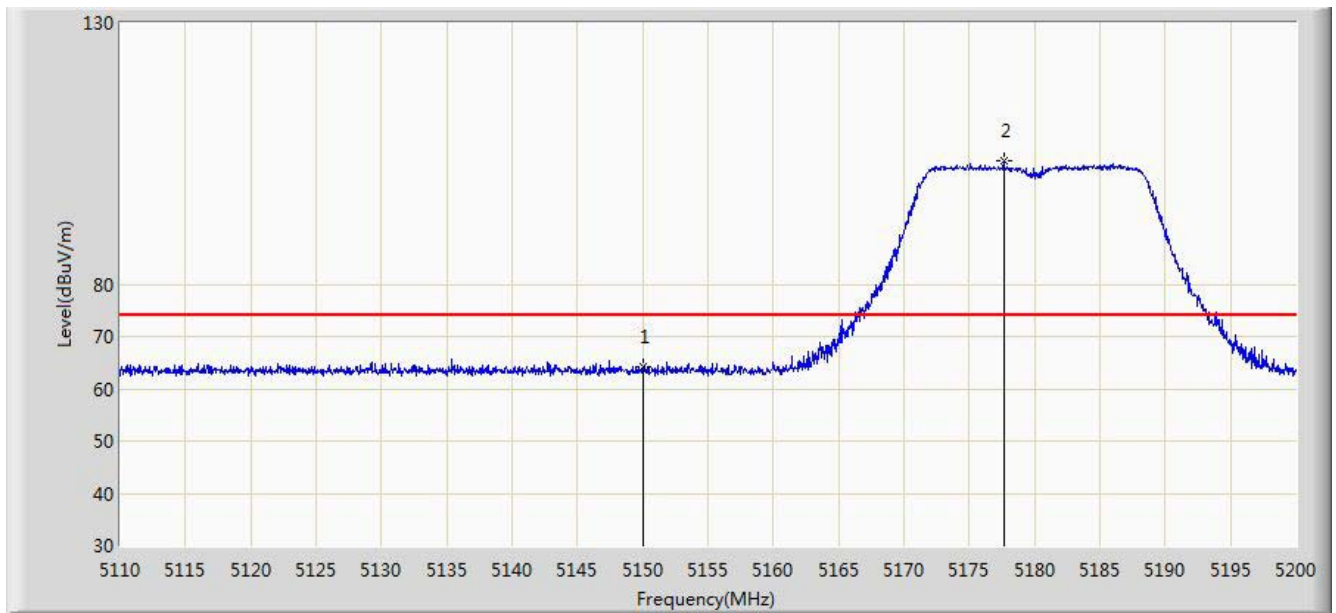


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.954	43.778	-3.046	54.000	7.176	AV
2		*	5185.375	84.198	77.178	N/A	N/A	7.020	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

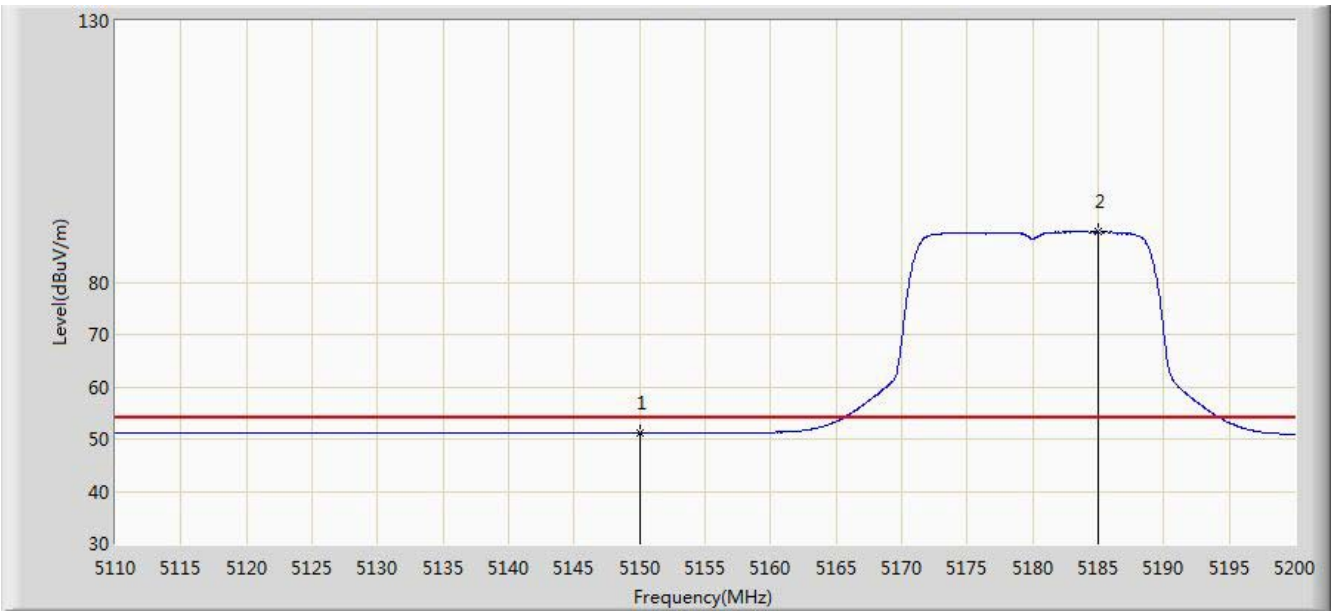


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.103	56.927	-9.897	74.000	7.176	PK
2		*	5177.635	103.589	96.519	N/A	N/A	7.070	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1 TP=12	

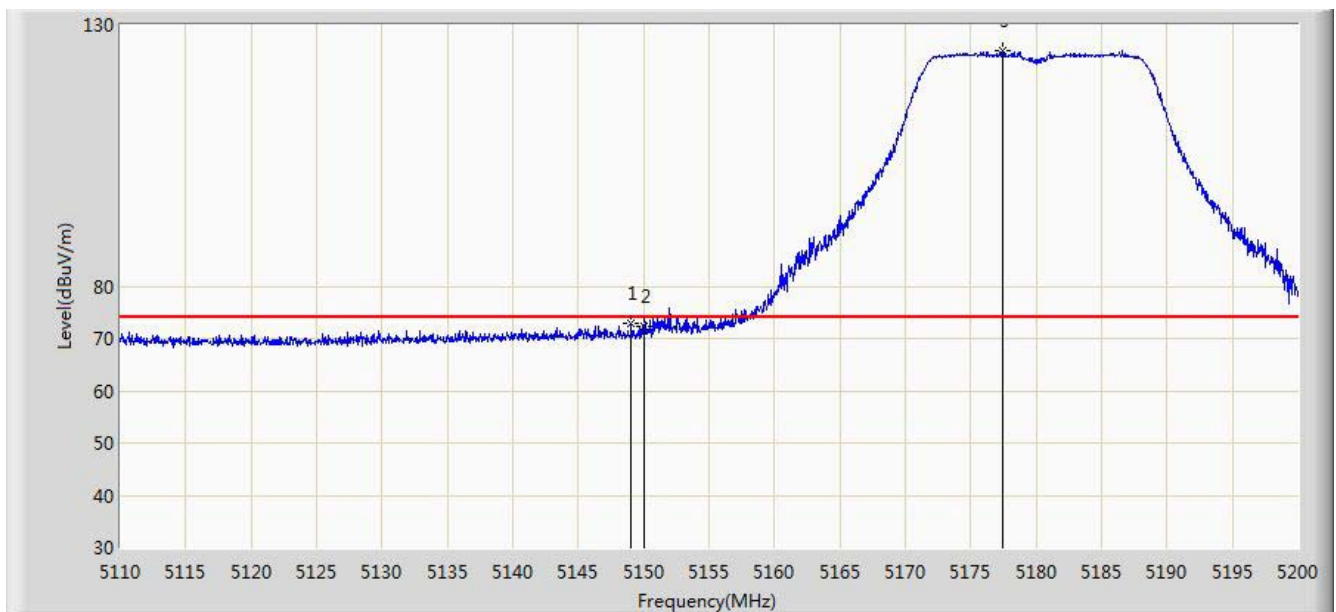


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.108	43.932	-2.892	54.000	7.176	AV
2		*	5184.970	89.637	82.614	N/A	N/A	7.023	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

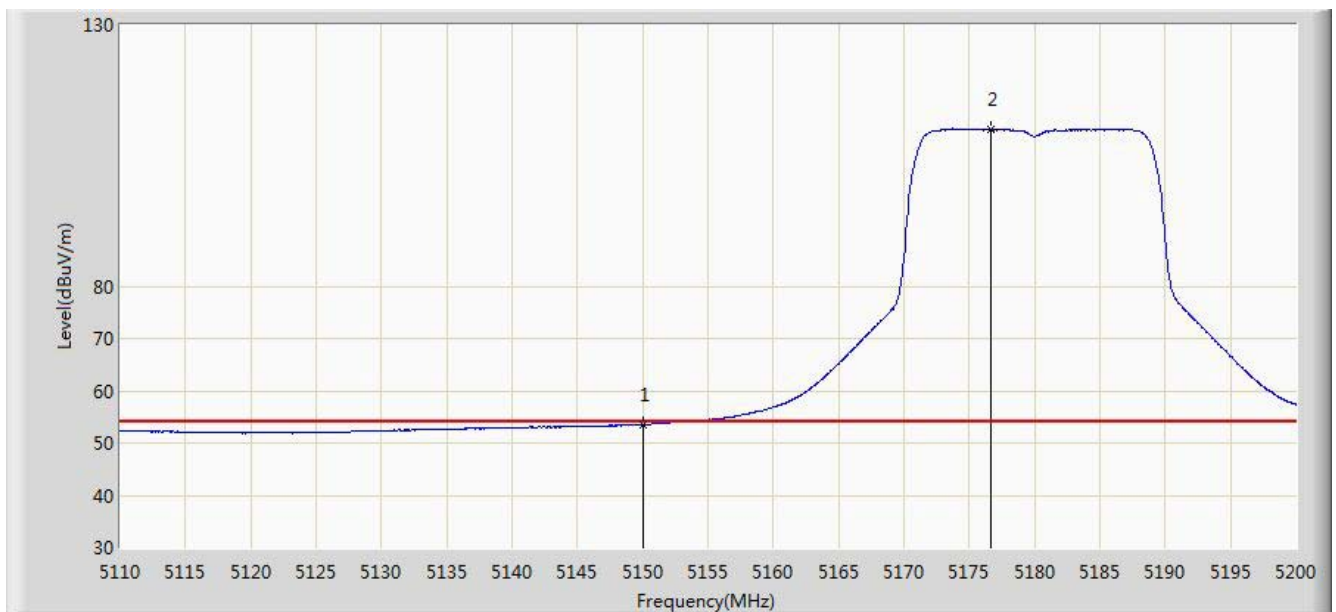


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.060	72.845	65.668	-1.155	74.000	7.176	PK
2			5150.000	72.320	65.144	-1.680	74.000	7.176	PK
3		*	5177.455	125.194	118.123	N/A	N/A	7.072	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 12:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

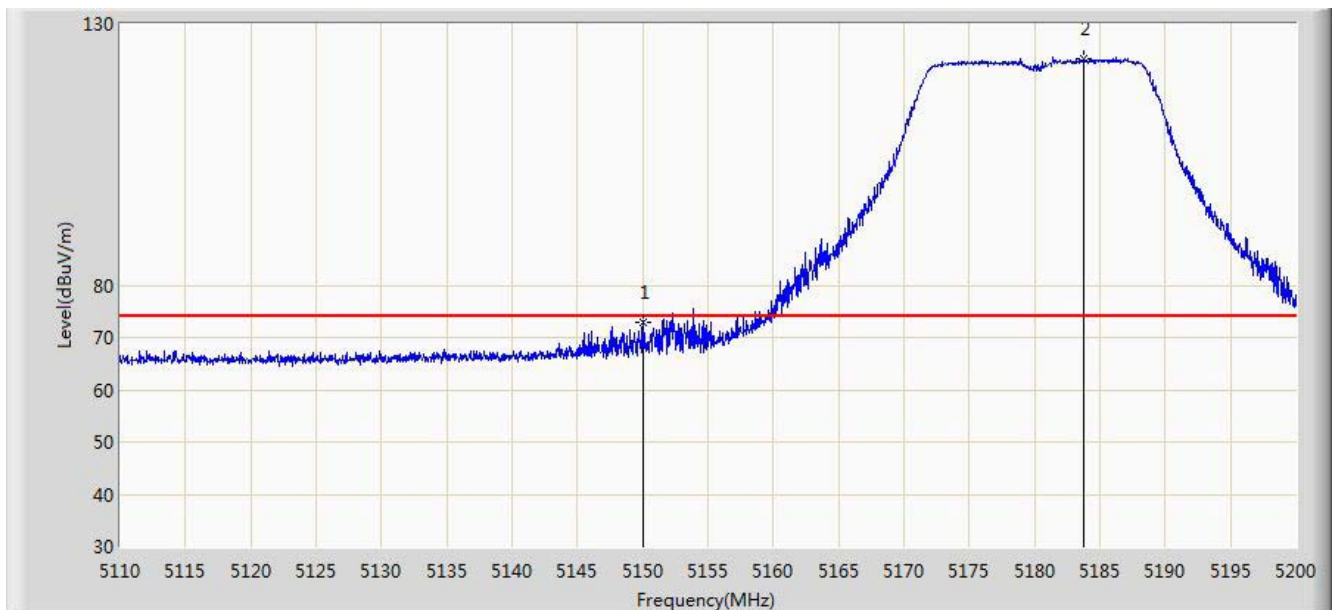


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.545	46.369	-0.455	54.000	7.176	AV
2		*	5176.600	109.988	102.912	N/A	N/A	7.076	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	

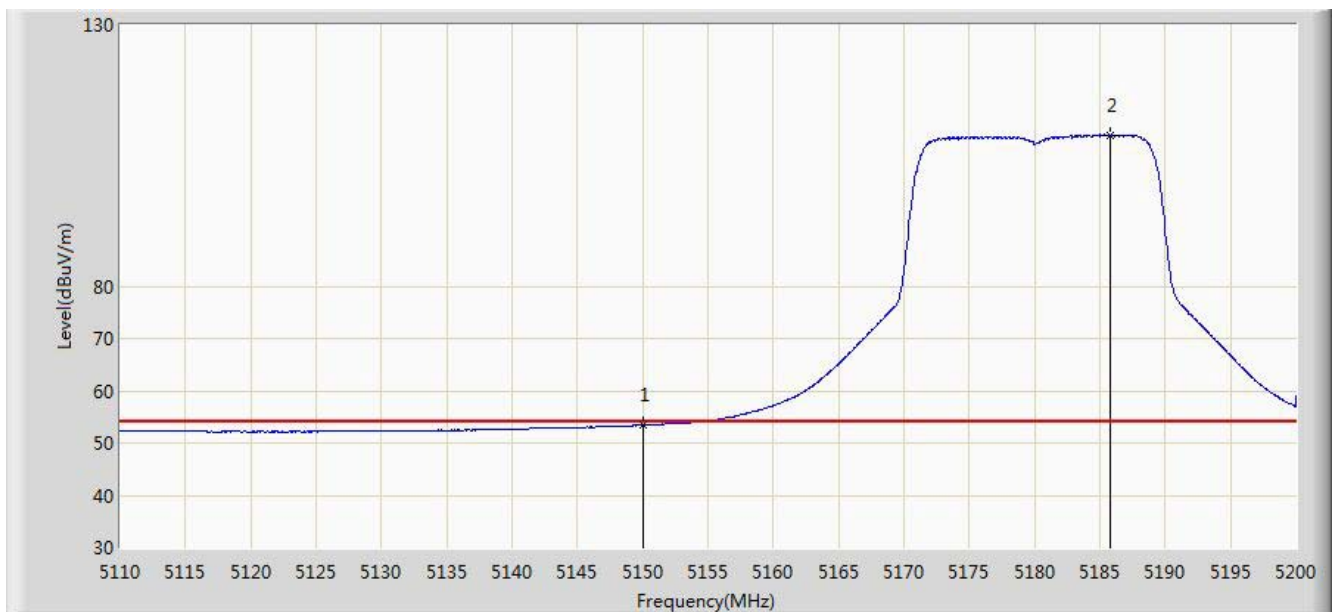


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	72.957	65.781	-1.043	74.000	7.176	PK
2		*	5183.755	123.405	116.375	N/A	N/A	7.030	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	

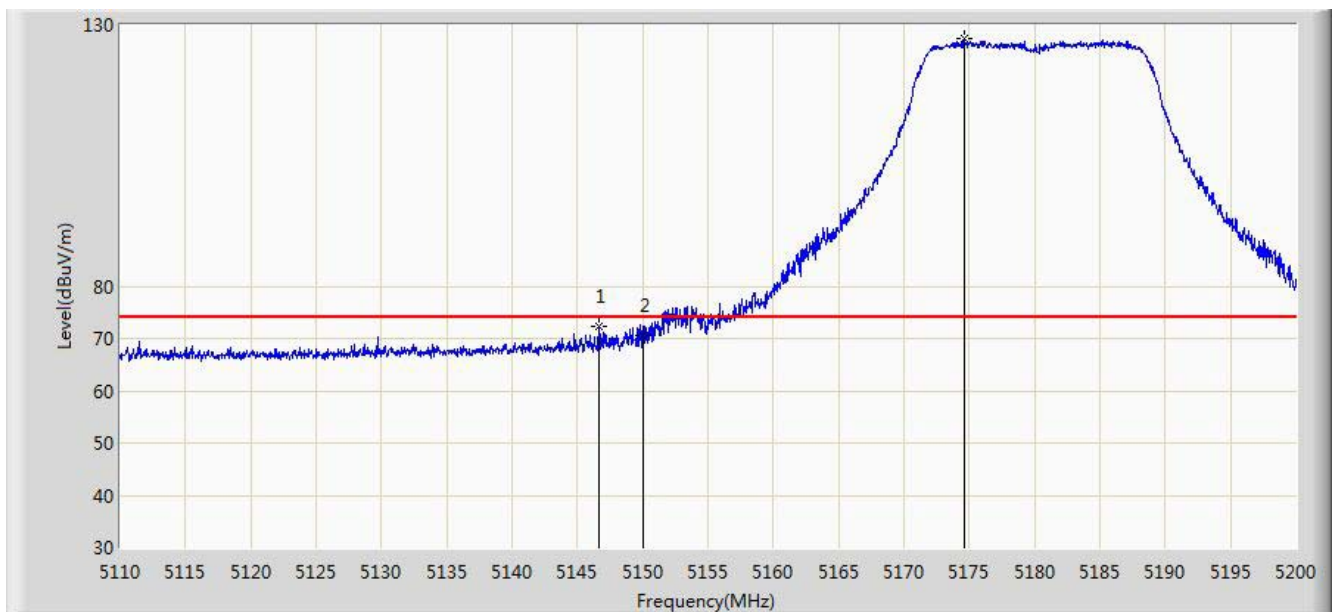


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.404	46.228	-0.596	54.000	7.176	AV
2		*	5185.825	108.834	101.816	N/A	N/A	7.018	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	

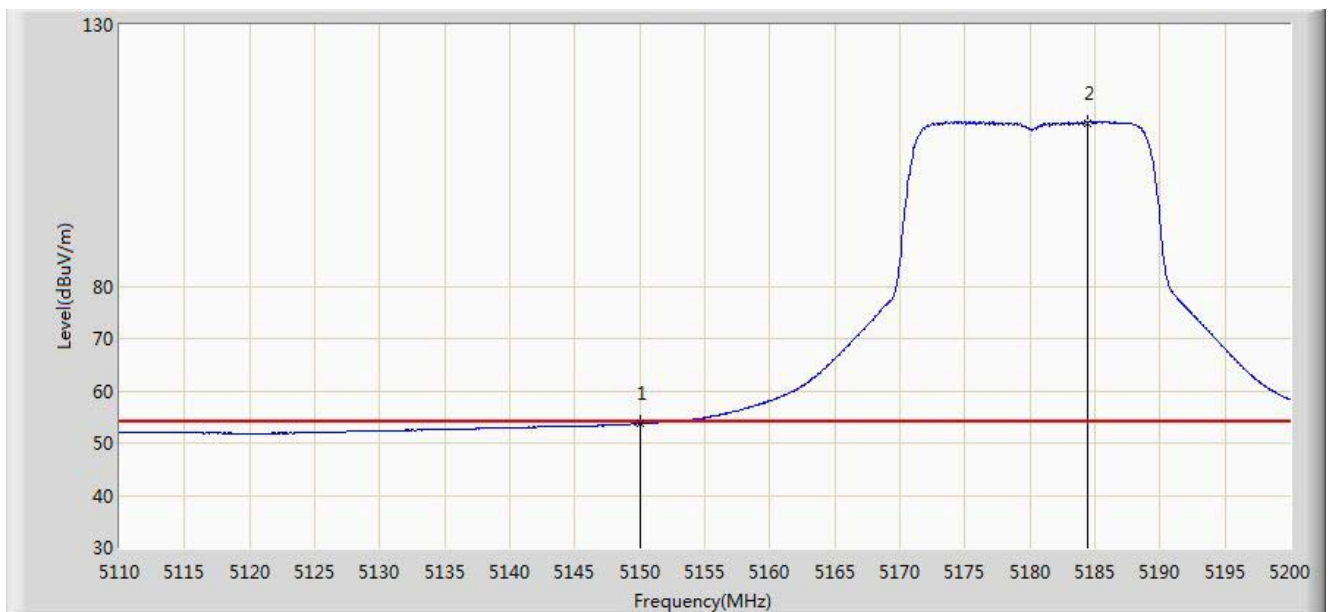


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.630	72.213	65.036	-1.787	74.000	7.178	PK
2			5150.000	70.717	63.541	-3.283	74.000	7.176	PK
3		*	5174.665	127.377	120.288	N/A	N/A	7.089	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0+1	

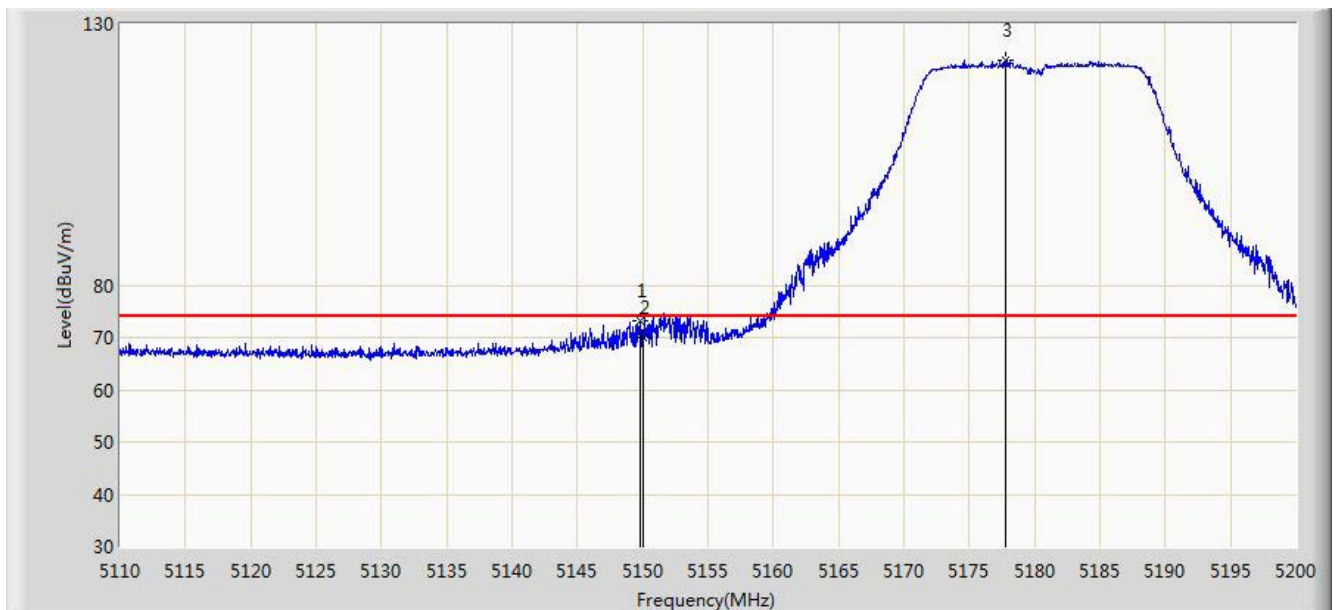


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.680	46.504	-0.320	54.000	7.176	AV
2		*	5184.430	111.287	104.261	N/A	N/A	7.027	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	

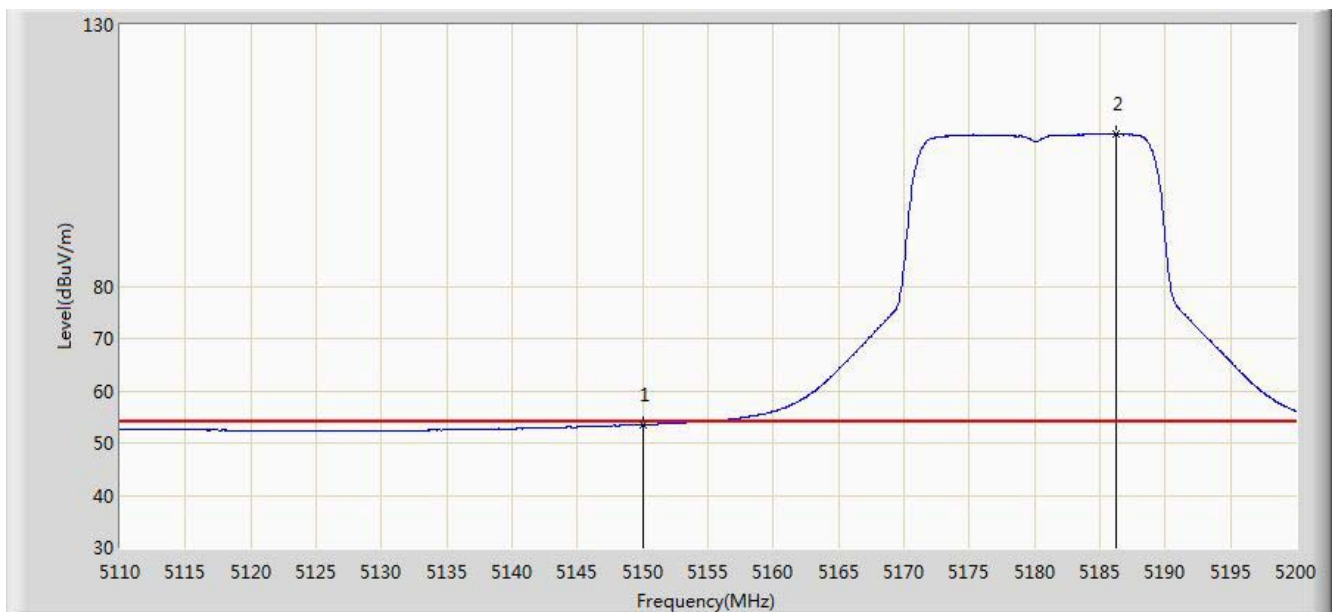


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	73.300	66.124	-0.700	74.000	7.176	PK
2			5150.000	70.055	62.879	-3.945	74.000	7.176	PK
3		*	5177.815	123.124	116.055	N/A	N/A	7.069	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	

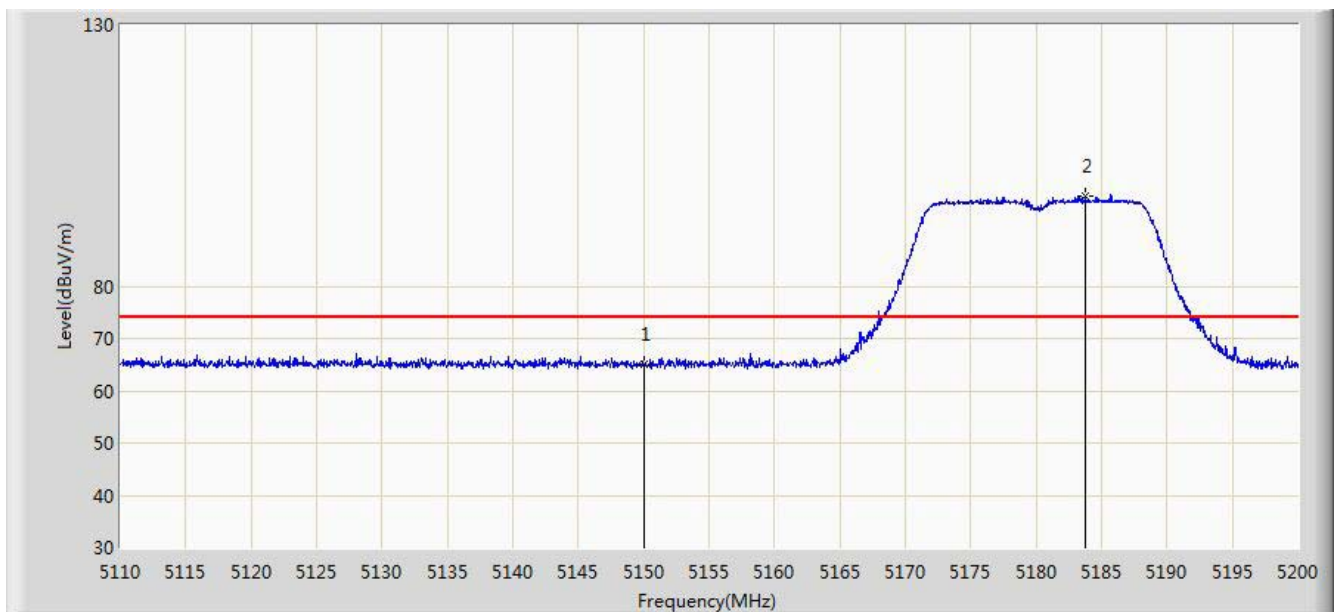


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.520	46.344	-0.480	54.000	7.176	AV
2		*	5186.230	109.038	102.022	N/A	N/A	7.016	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	

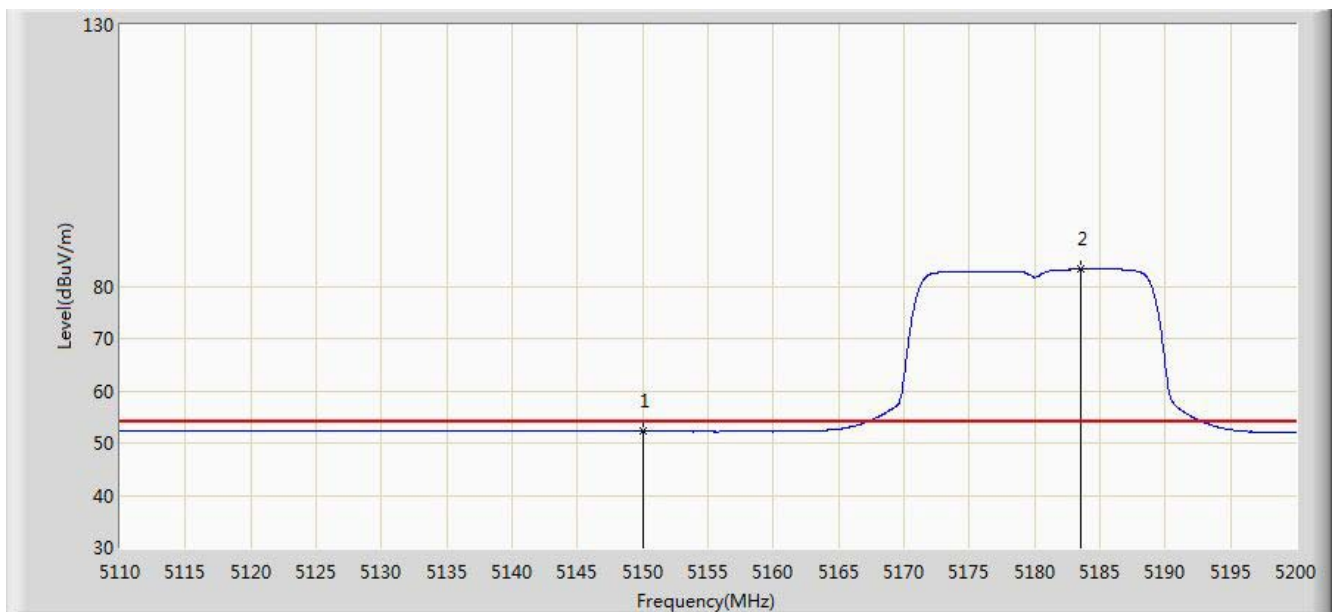


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	65.093	57.917	-8.907	74.000	7.176	PK
2		*	5183.800	97.288	90.258	N/A	N/A	7.030	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0	

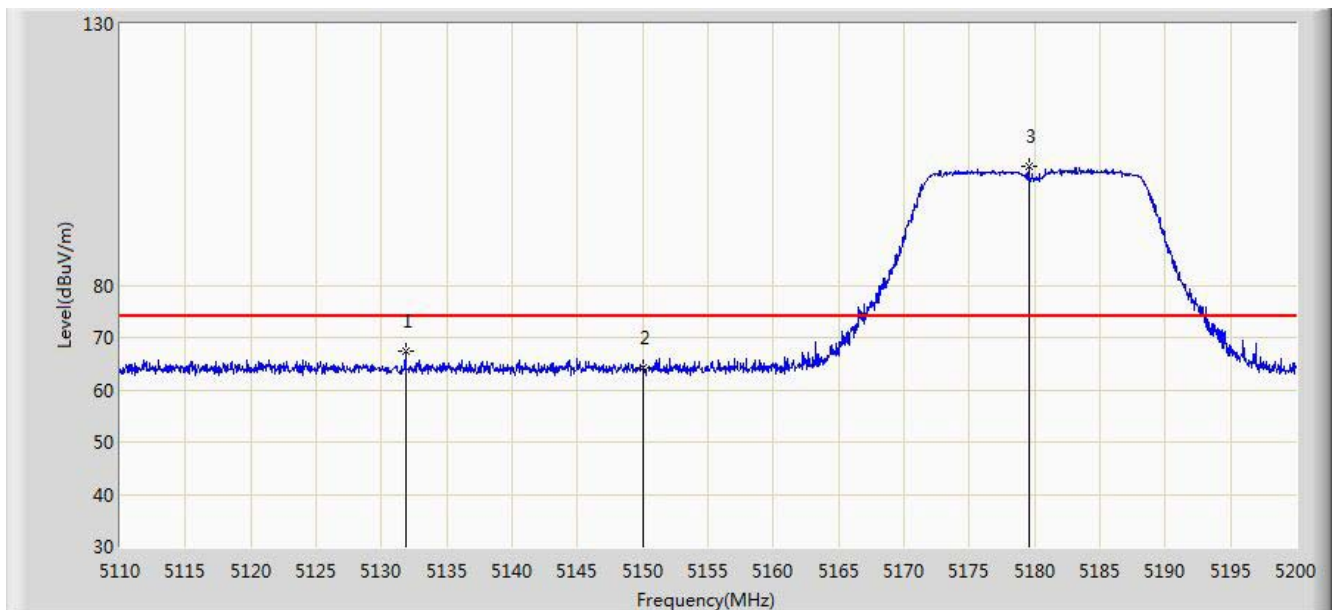


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.220	45.044	-1.780	54.000	7.176	AV
2		*	5183.575	83.356	76.324	N/A	N/A	7.032	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

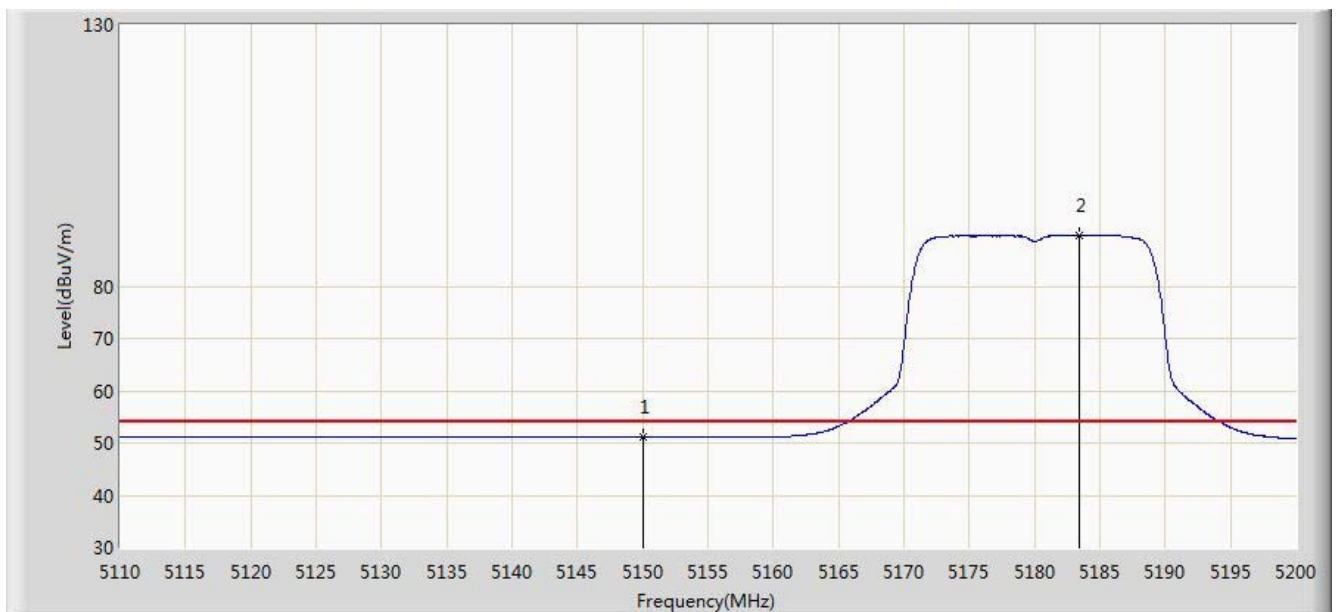


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5131.825	67.342	60.162	-6.658	74.000	7.180	PK
2			5150.000	64.271	57.095	-9.729	74.000	7.176	PK
3		*	5179.570	102.857	95.800	N/A	N/A	7.057	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

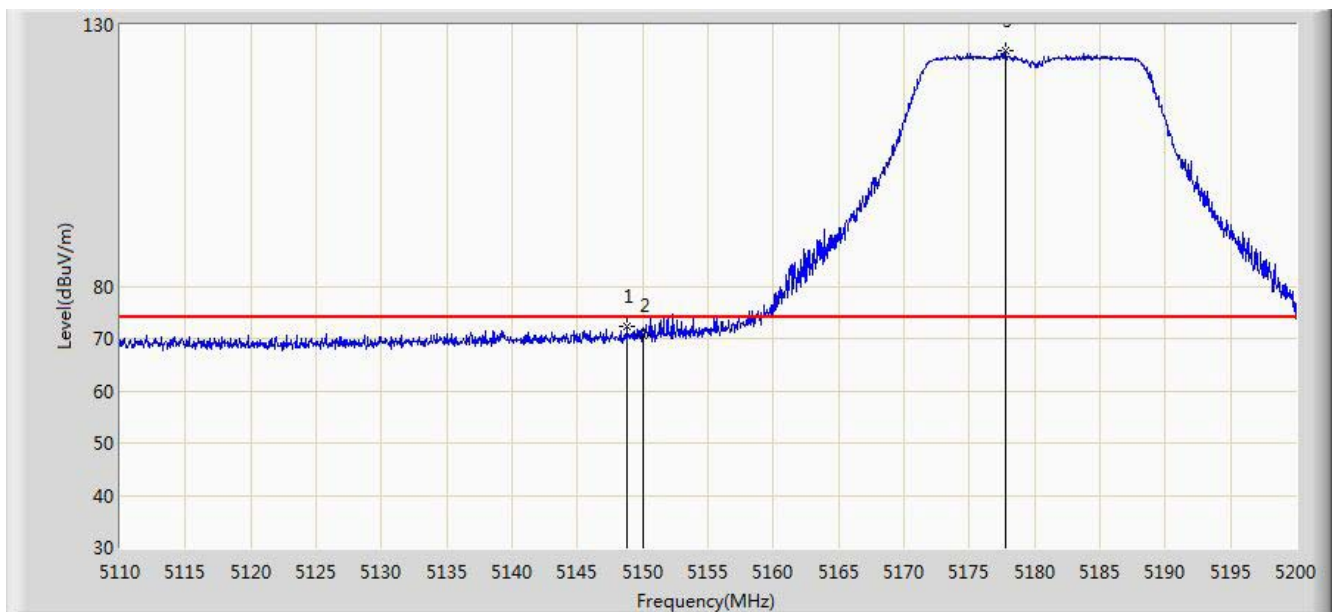


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.137	43.961	-2.863	54.000	7.176	AV
2		*	5183.395	89.787	82.754	N/A	N/A	7.032	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

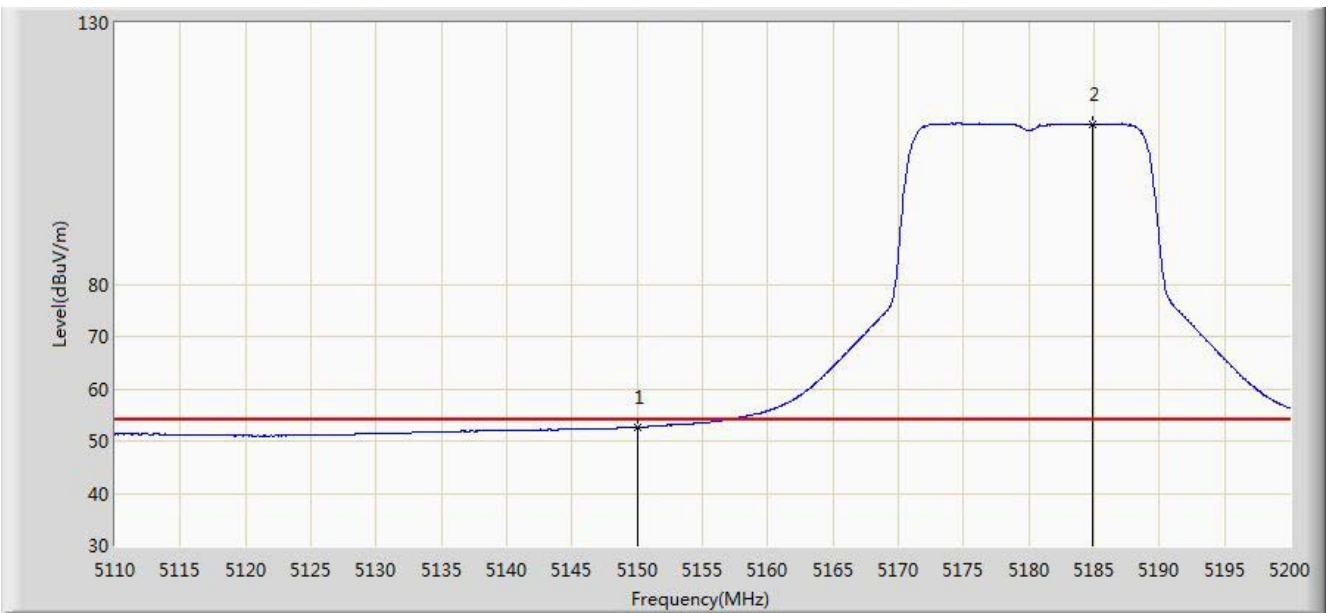


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.790	72.316	65.139	-1.684	74.000	7.177	PK
2			5150.000	70.704	63.528	-3.296	74.000	7.176	PK
3		*	5177.770	124.976	117.907	N/A	N/A	7.069	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 1	

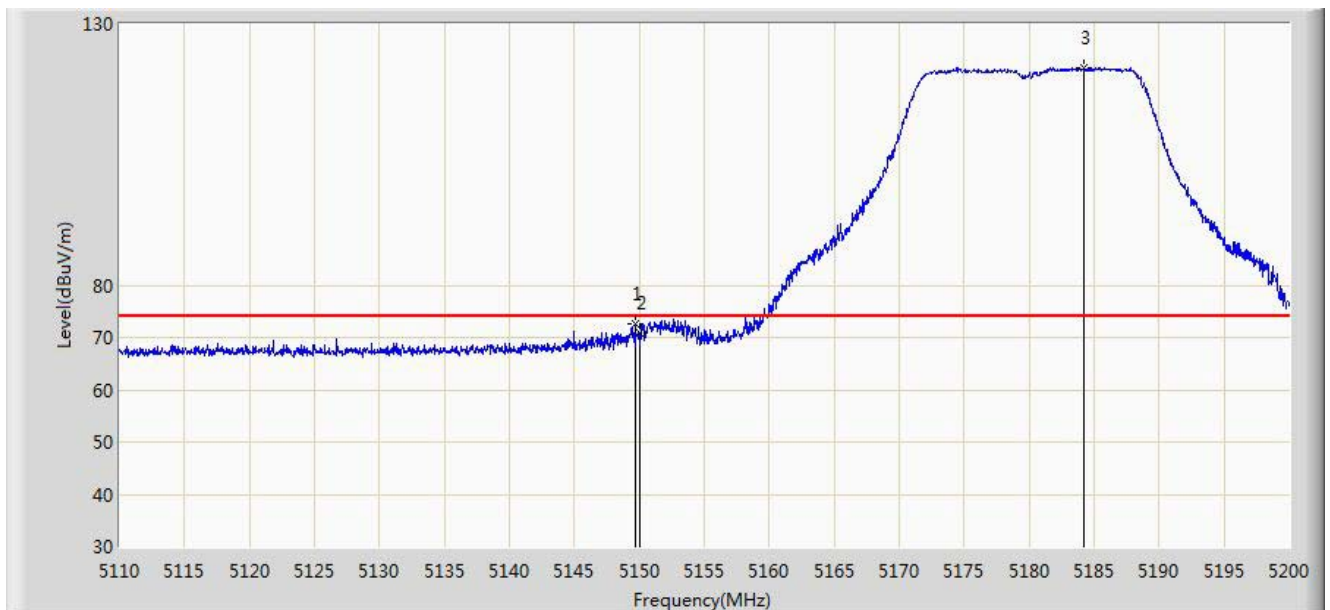


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.612	45.436	-1.388	54.000	7.176	AV
2		*	5184.835	110.659	103.636	N/A	N/A	7.023	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	

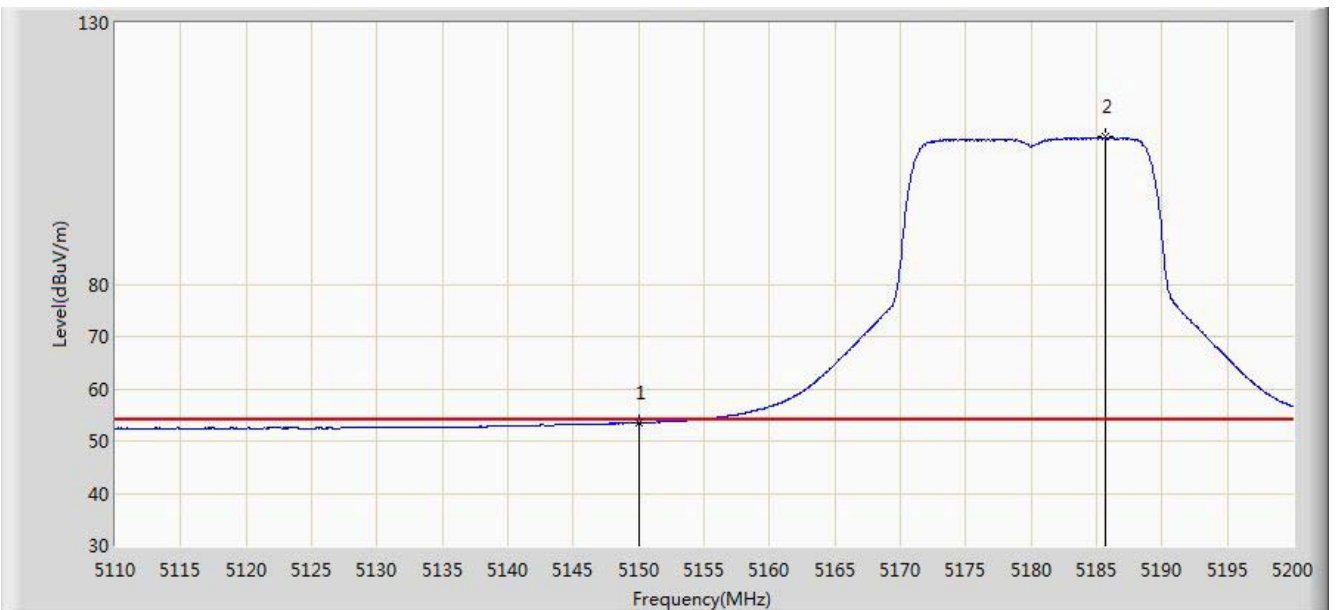


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	72.537	65.361	-1.463	74.000	7.176	PK
2			5150.000	70.727	63.551	-3.273	74.000	7.176	PK
3		*	5184.250	121.536	114.509	N/A	N/A	7.027	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	

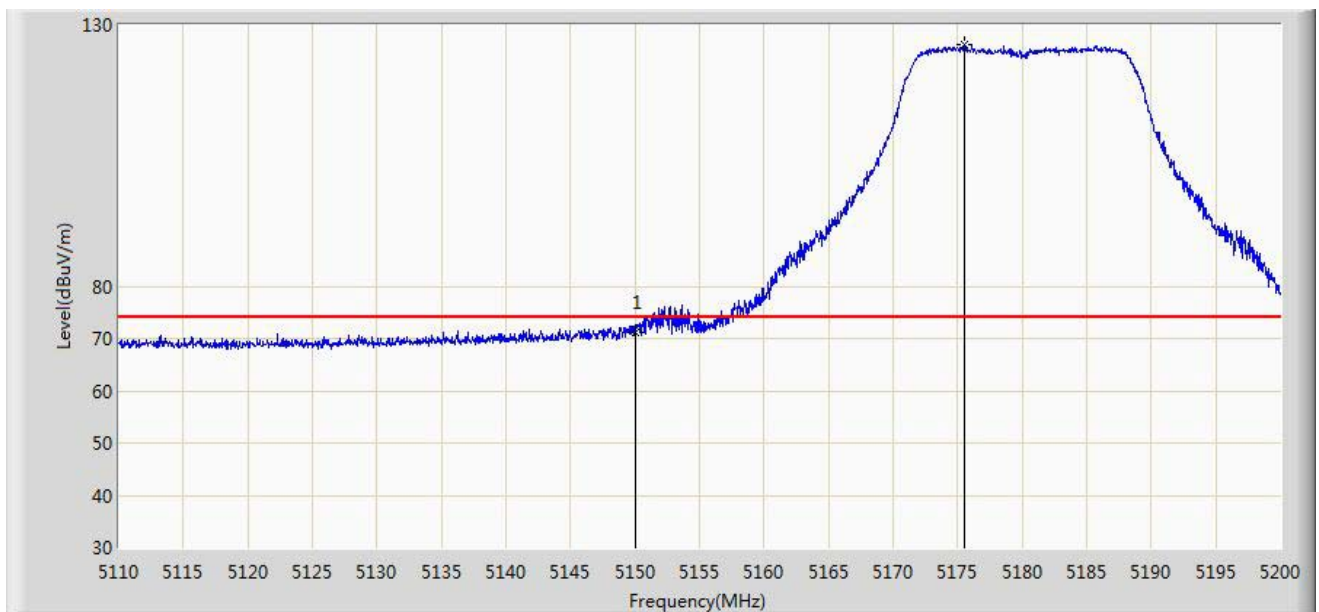


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.476	46.300	-0.524	54.000	7.176	AV
2		*	5185.645	108.126	101.106	N/A	N/A	7.020	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	

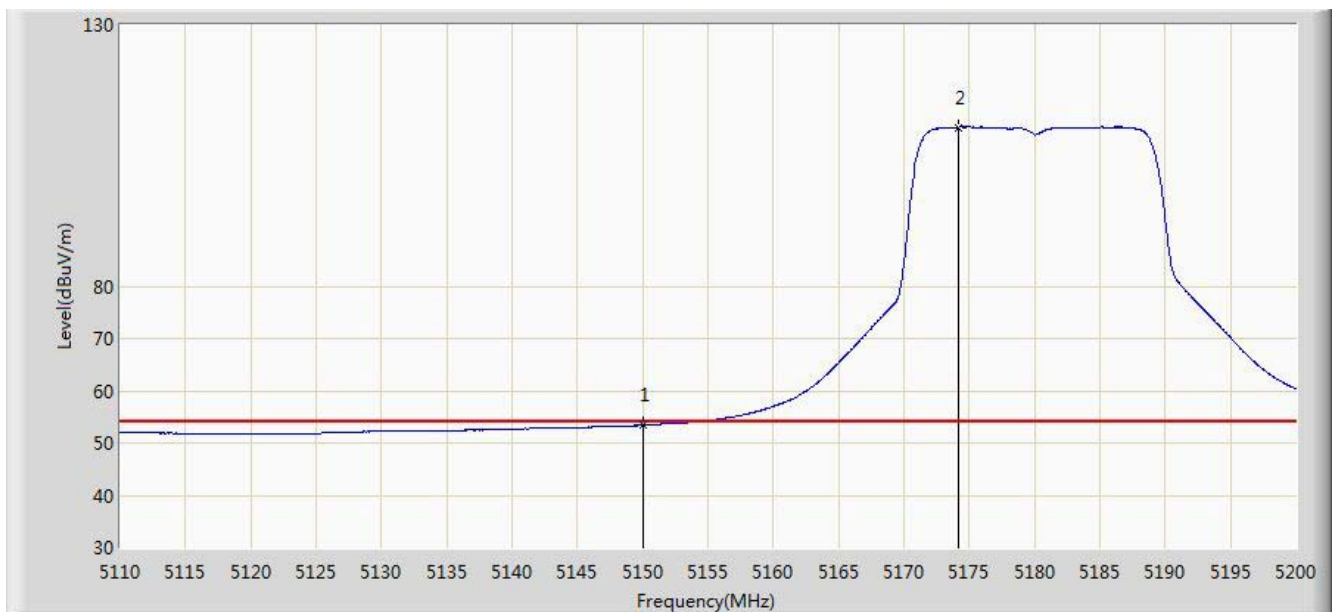


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	71.240	64.064	-2.760	74.000	7.176	PK
2		*	5175.565	126.261	119.178	N/A	N/A	7.083	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/25 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0+1	

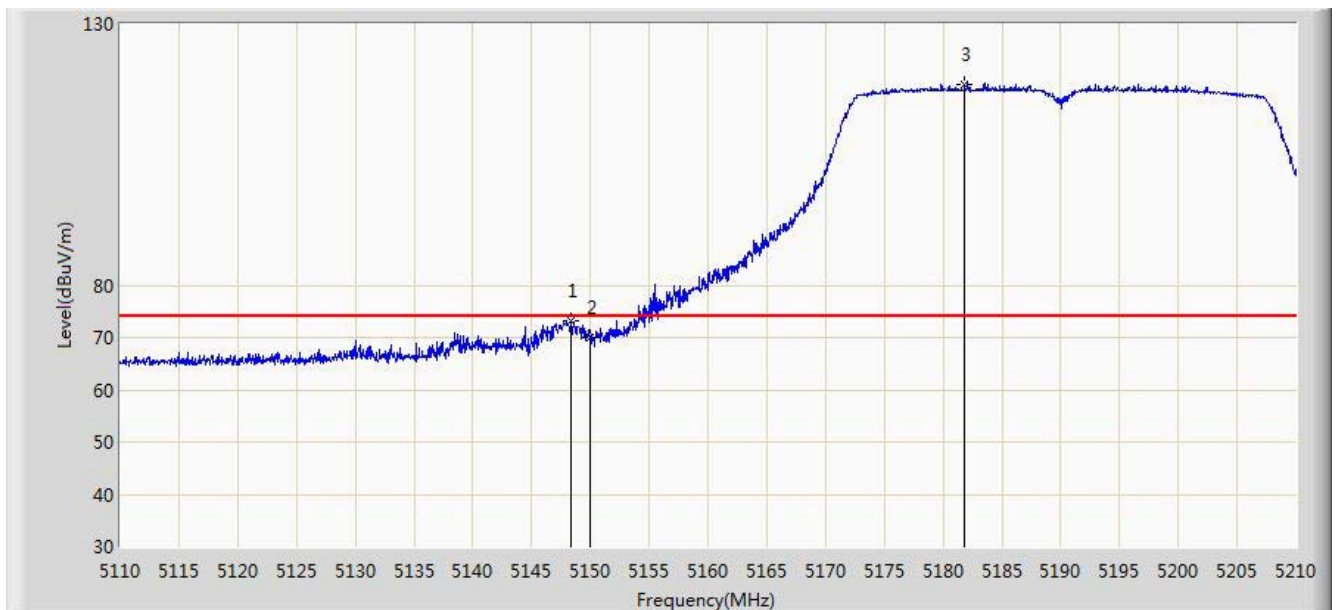


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.414	46.238	-0.586	54.000	7.176	AV
2		*	5174.215	110.426	103.333	N/A	N/A	7.093	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

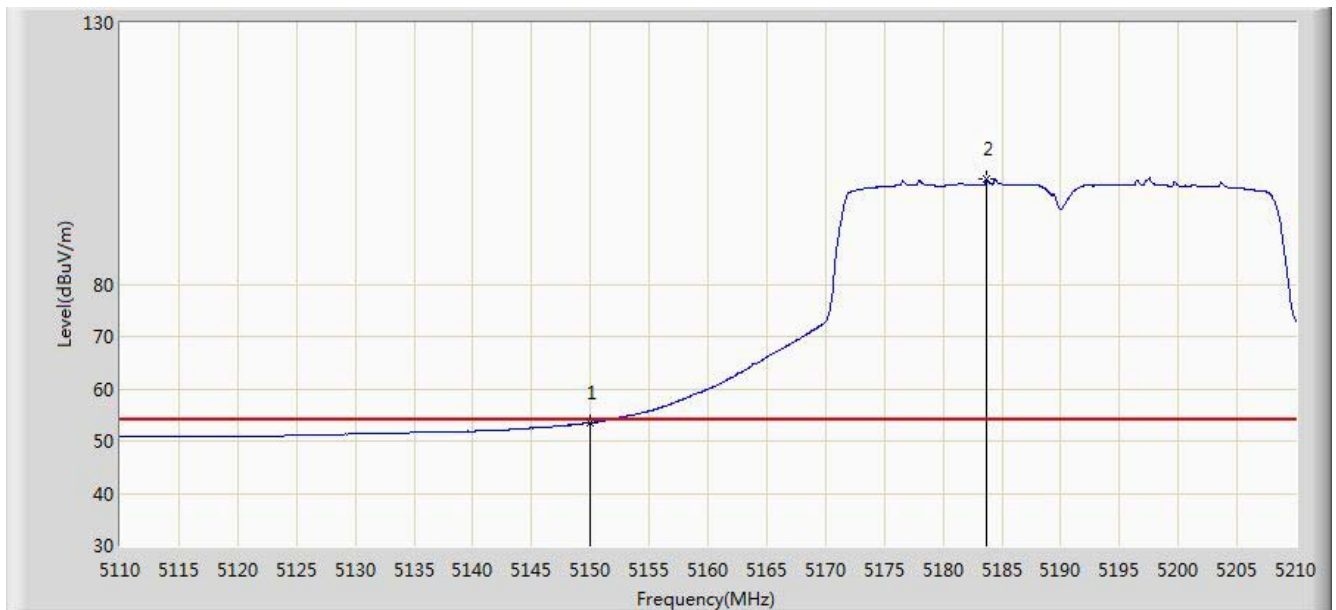


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.400	73.046	65.869	-0.954	74.000	7.176	PK
2			5150.000	70.115	62.939	-3.885	74.000	7.176	PK
3		*	5181.850	118.476	111.433	N/A	N/A	7.043	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

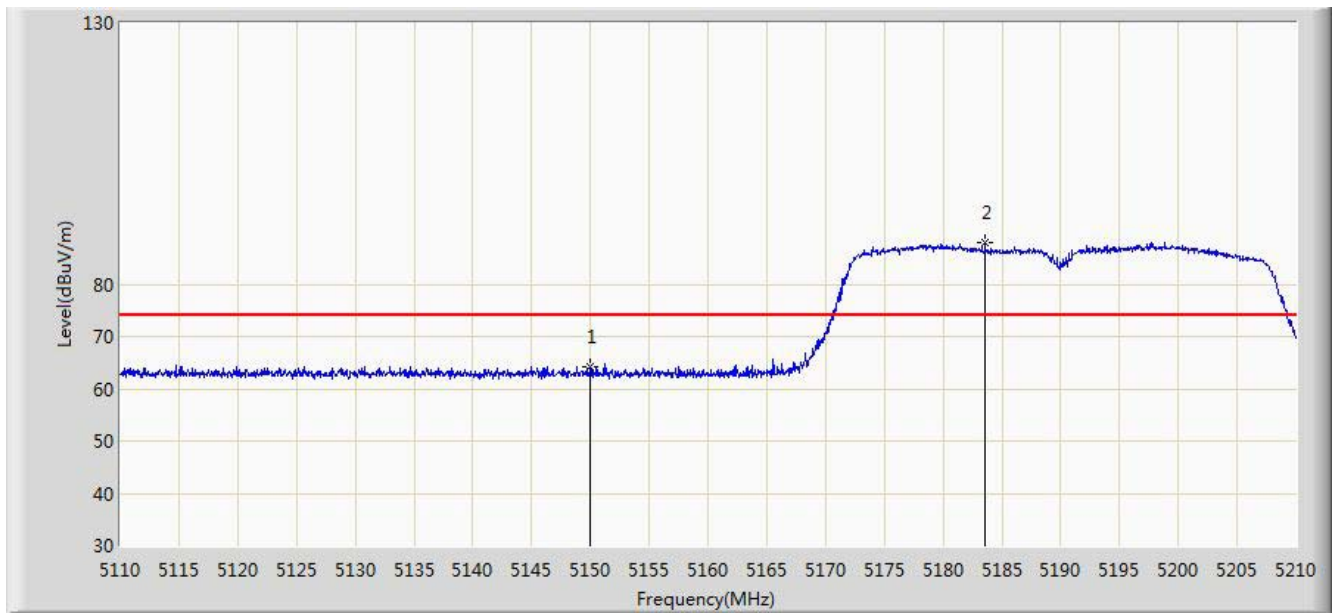


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.556	46.380	-0.444	54.000	7.176	AV
2		*	5183.700	100.067	93.037	N/A	N/A	7.030	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

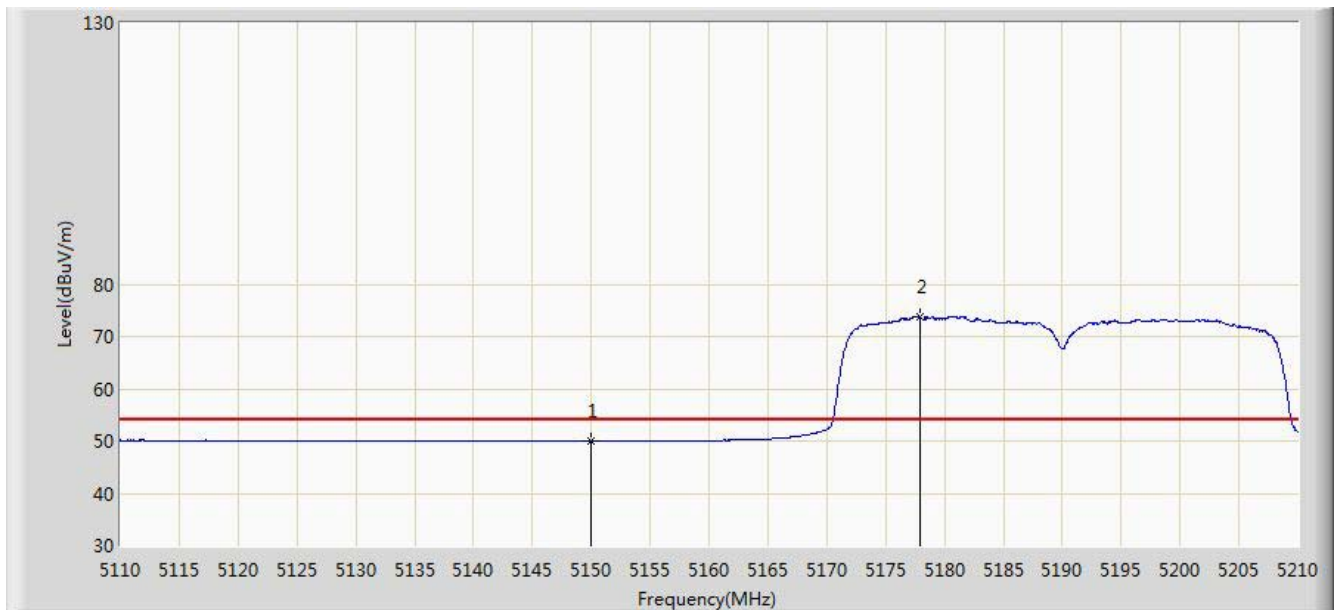


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	64.144	56.968	-9.856	74.000	7.176	PK
2		*	5183.550	87.929	80.897	N/A	N/A	7.032	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 10:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

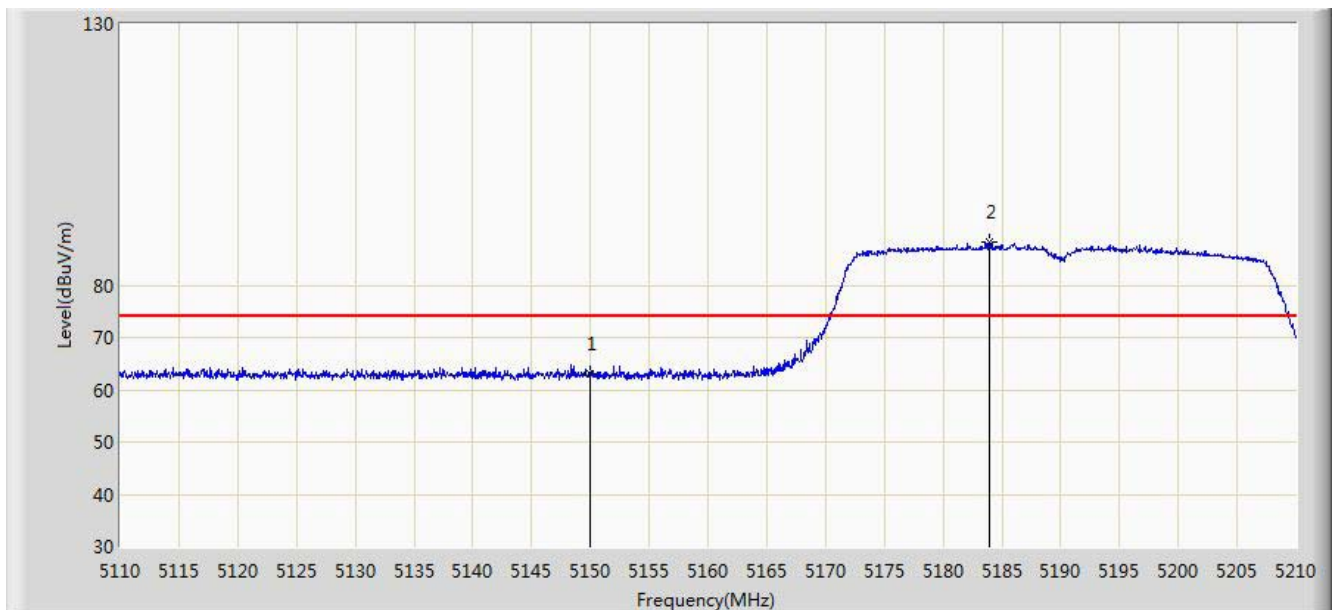


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.042	42.866	-3.958	54.000	7.176	AV
2		*	5177.900	73.689	66.621	N/A	N/A	7.068	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

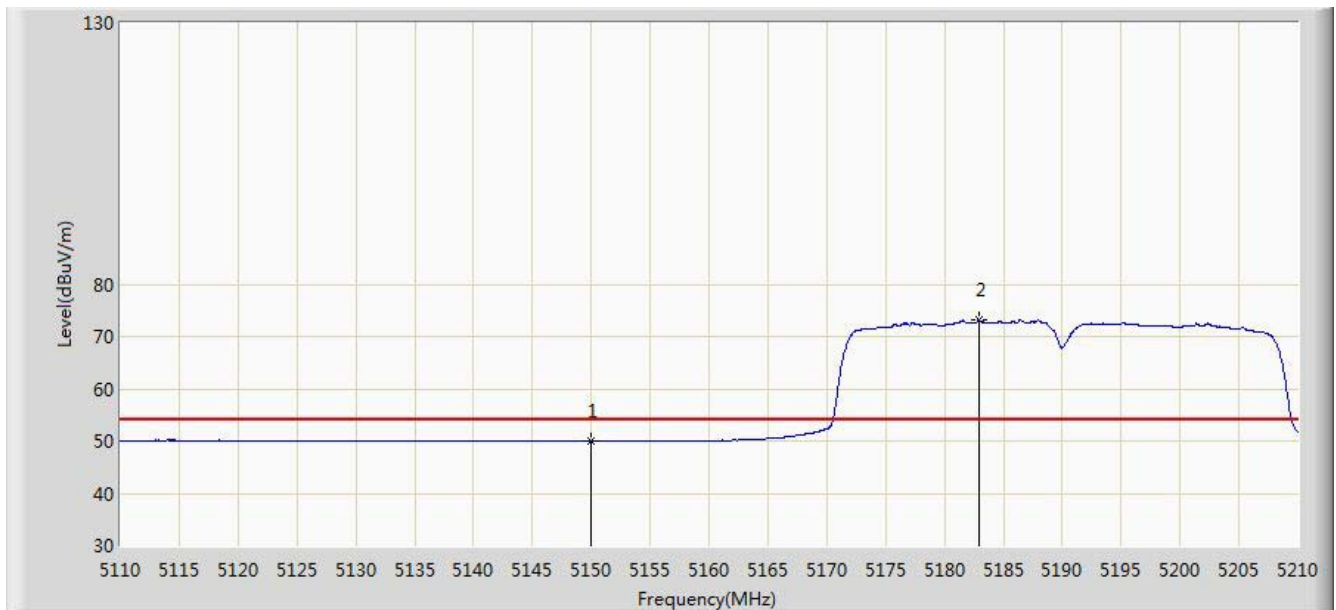


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.138	55.962	-10.862	74.000	7.176	PK
2		*	5183.950	88.311	81.282	N/A	N/A	7.028	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

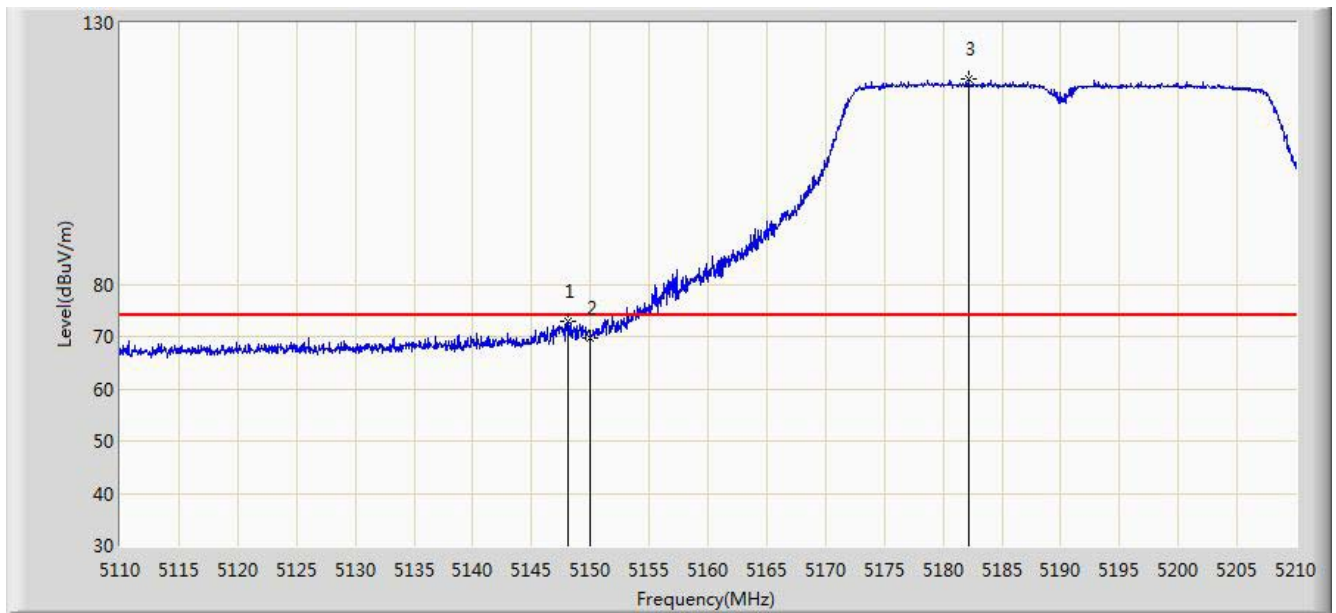


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.993	42.817	-4.007	54.000	7.176	AV
2		*	5182.900	73.067	66.031	N/A	N/A	7.036	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

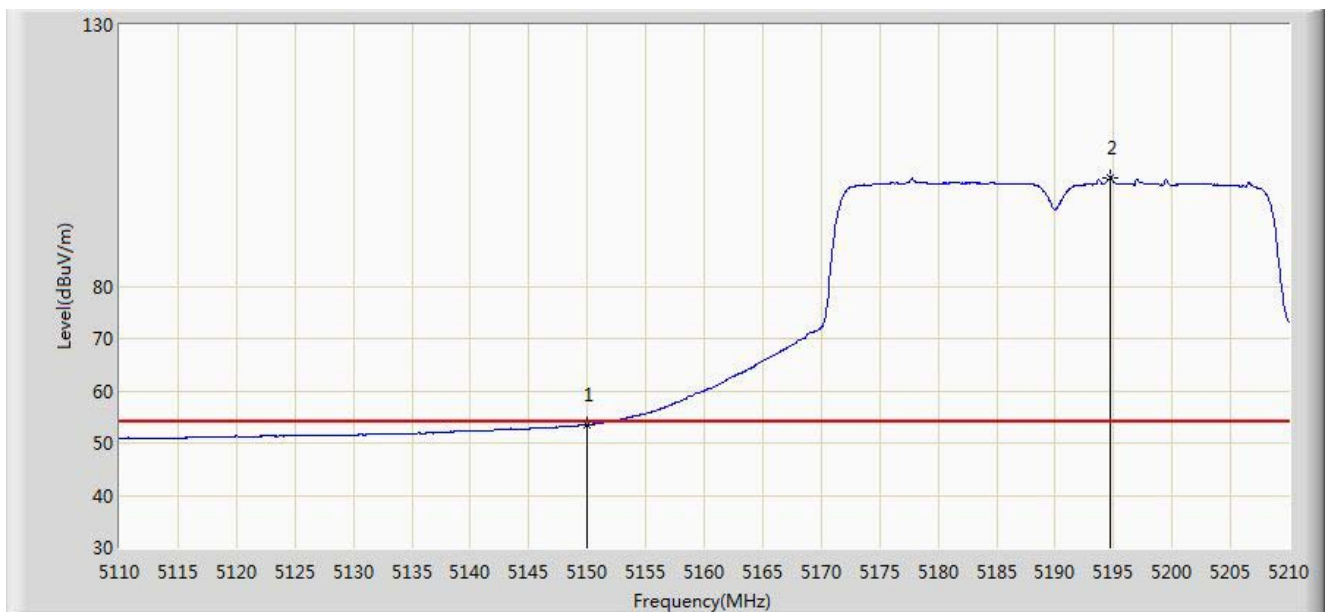


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.050	72.824	65.647	-1.176	74.000	7.177	PK
2			5150.000	69.854	62.678	-4.146	74.000	7.176	PK
3		*	5182.150	119.348	112.308	N/A	N/A	7.040	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

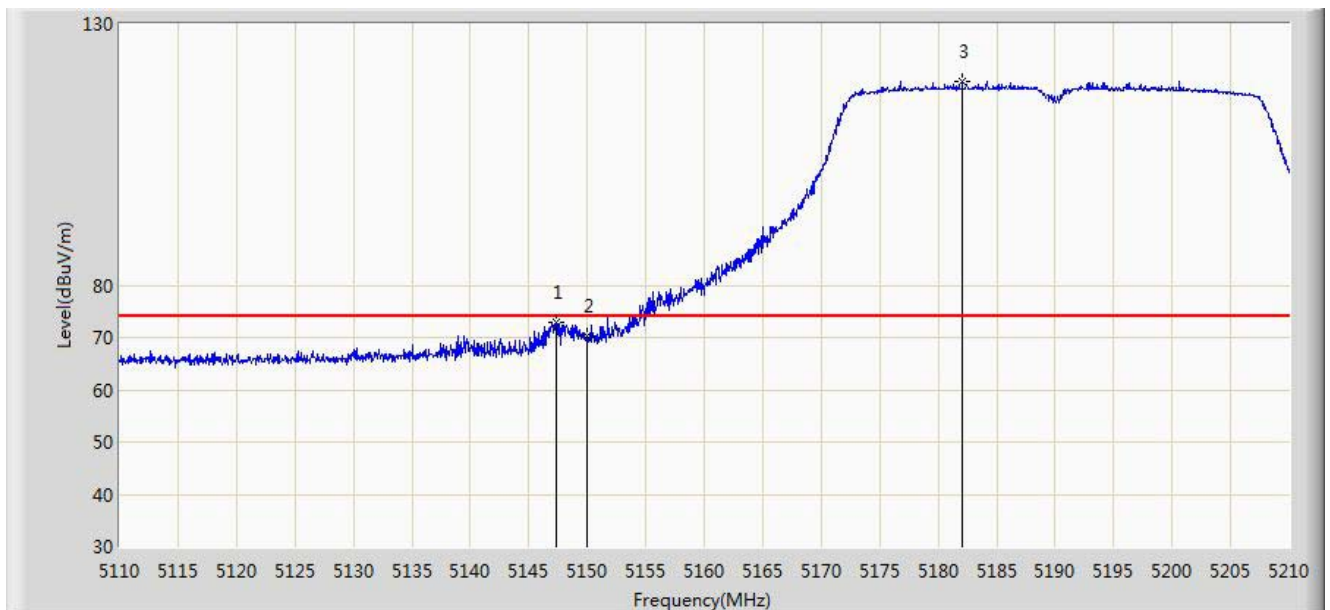


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.519	46.343	-0.481	54.000	7.176	AV
2		*	5194.700	100.833	93.868	N/A	N/A	6.965	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

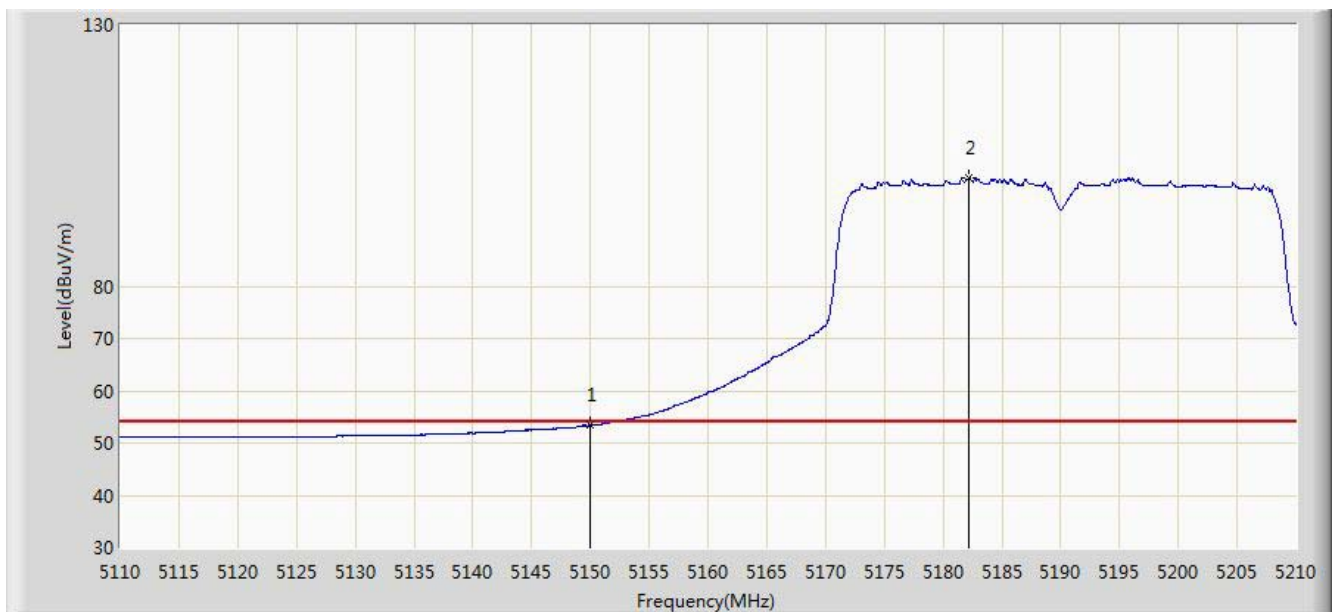


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.350	72.883	65.706	-1.117	74.000	7.177	PK
2			5150.000	70.407	63.231	-3.593	74.000	7.176	PK
3		*	5182.050	119.036	111.995	N/A	N/A	7.041	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 11:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

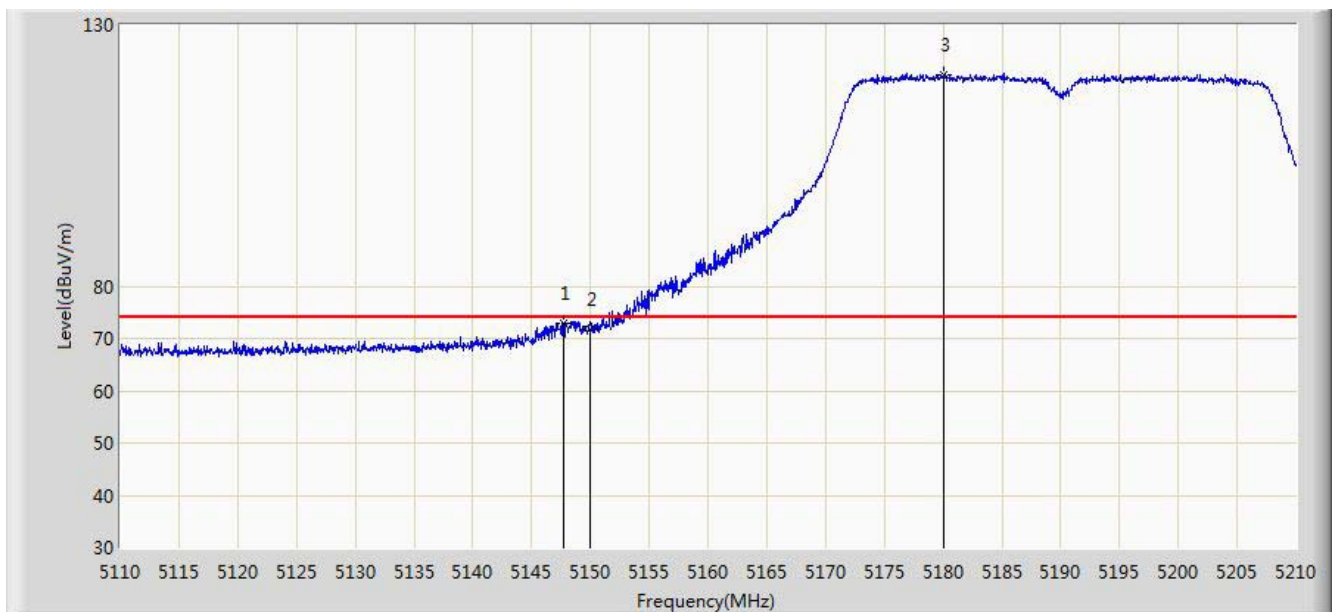


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.360	46.184	-0.640	54.000	7.176	AV
2		*	5182.200	100.718	93.678	N/A	N/A	7.040	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

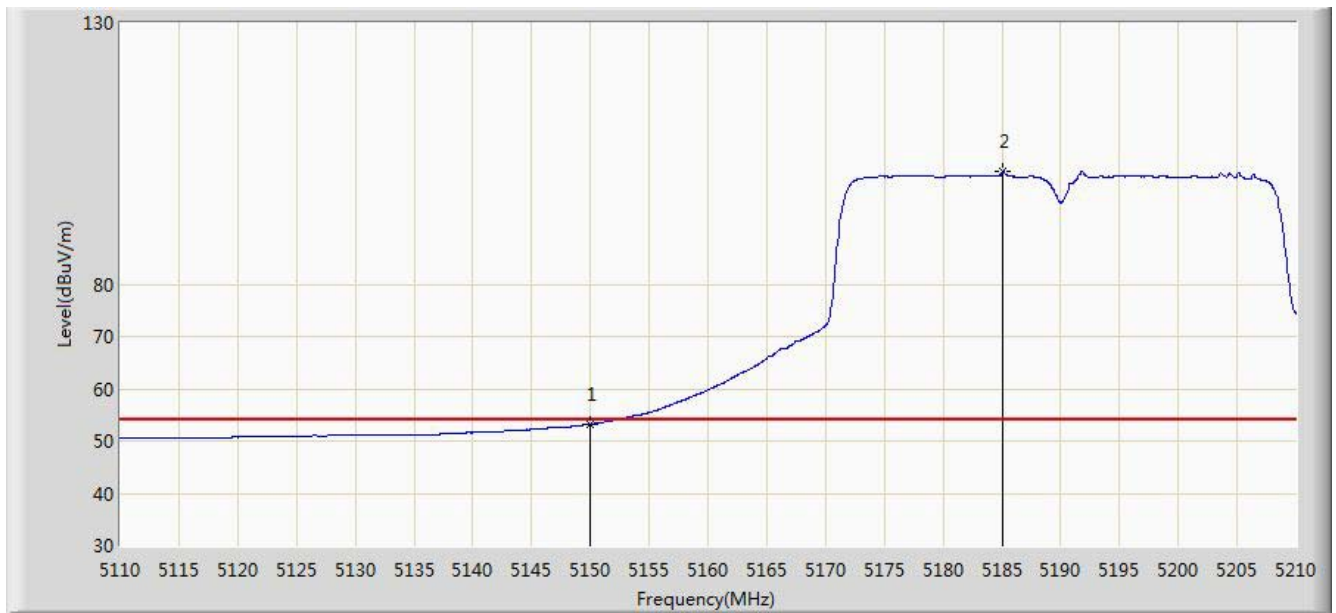


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.700	73.042	65.865	-0.958	74.000	7.177	PK
2			5150.000	71.691	64.515	-2.309	74.000	7.176	PK
3		*	5180.000	120.557	113.503	N/A	N/A	7.054	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 12:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 4: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0+1	

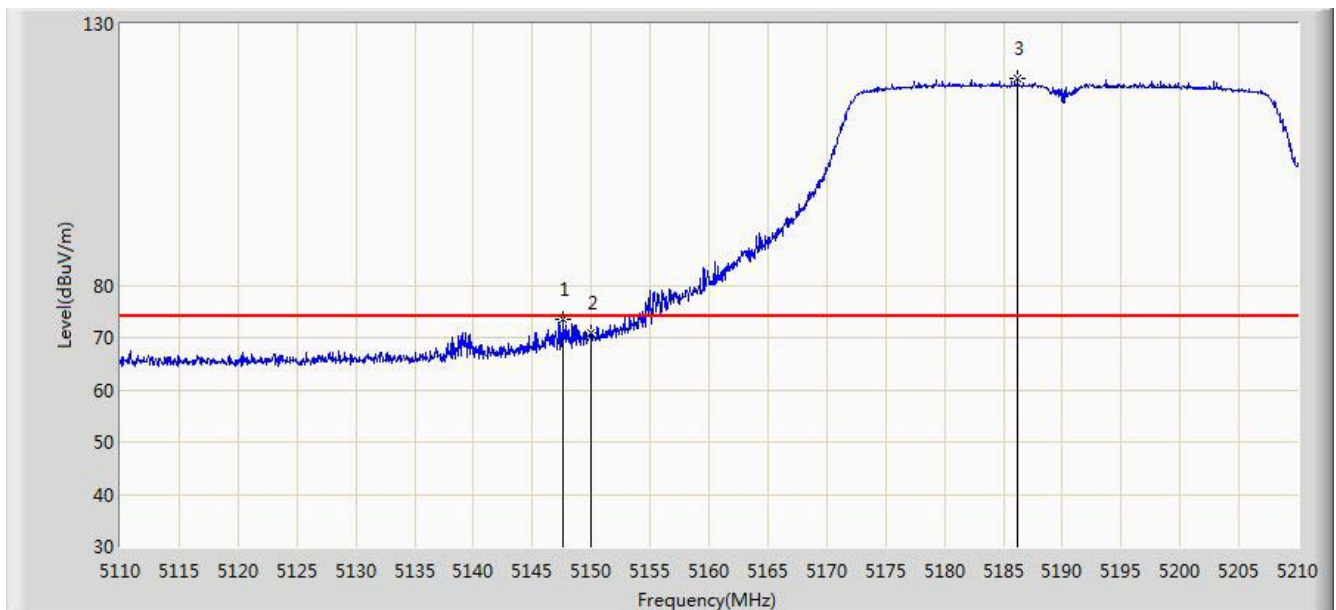


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.227	46.051	-0.773	54.000	7.176	AV
2		*	5185.100	101.618	94.596	N/A	N/A	7.022	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

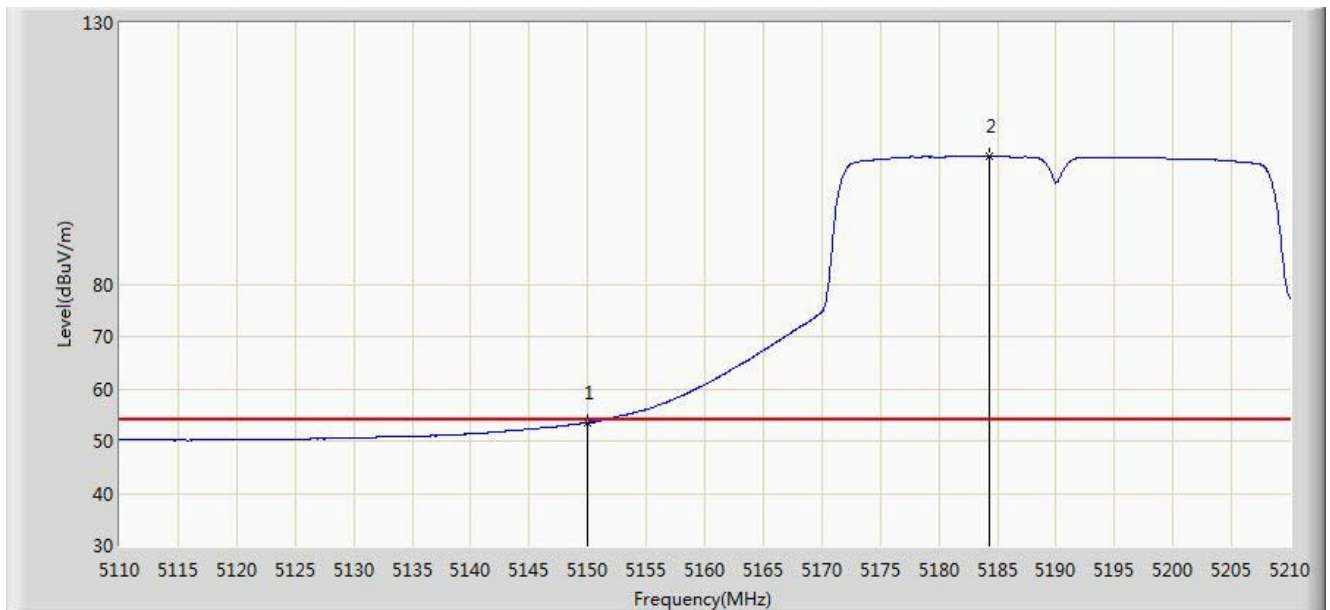


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.550	73.554	66.377	-0.446	74.000	7.177	PK
2			5150.000	70.939	63.763	-3.061	74.000	7.176	PK
3		*	5186.200	119.436	112.421	N/A	N/A	7.016	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

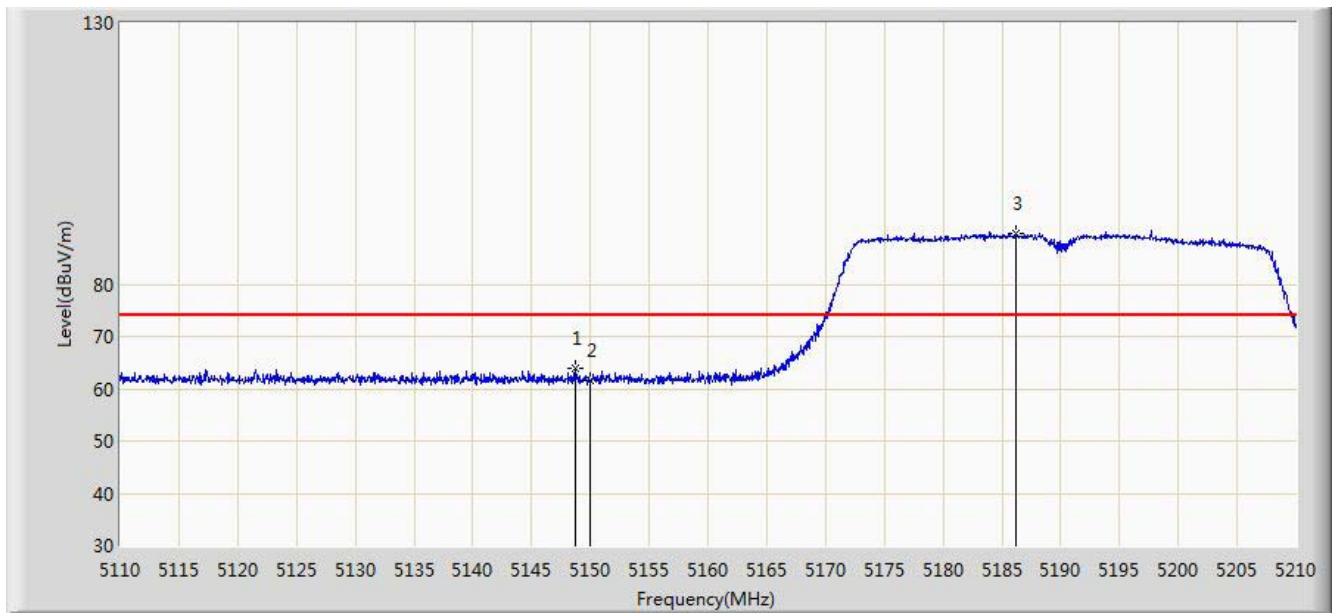


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.564	46.388	-0.436	54.000	7.176	AV
2		*	5184.300	104.484	97.457	N/A	N/A	7.027	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

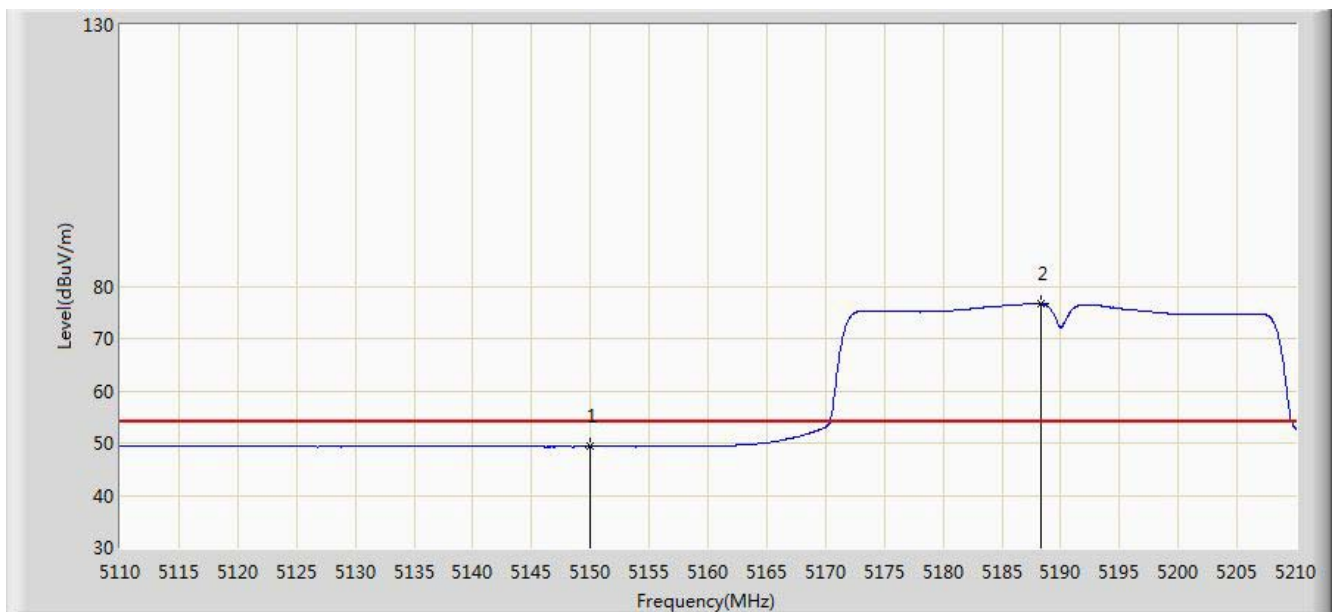


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	63.869	56.692	-10.131	74.000	7.177	PK
2			5150.000	61.535	54.359	-12.465	74.000	7.176	PK
3		*	5186.150	89.780	82.764	N/A	N/A	7.016	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0	

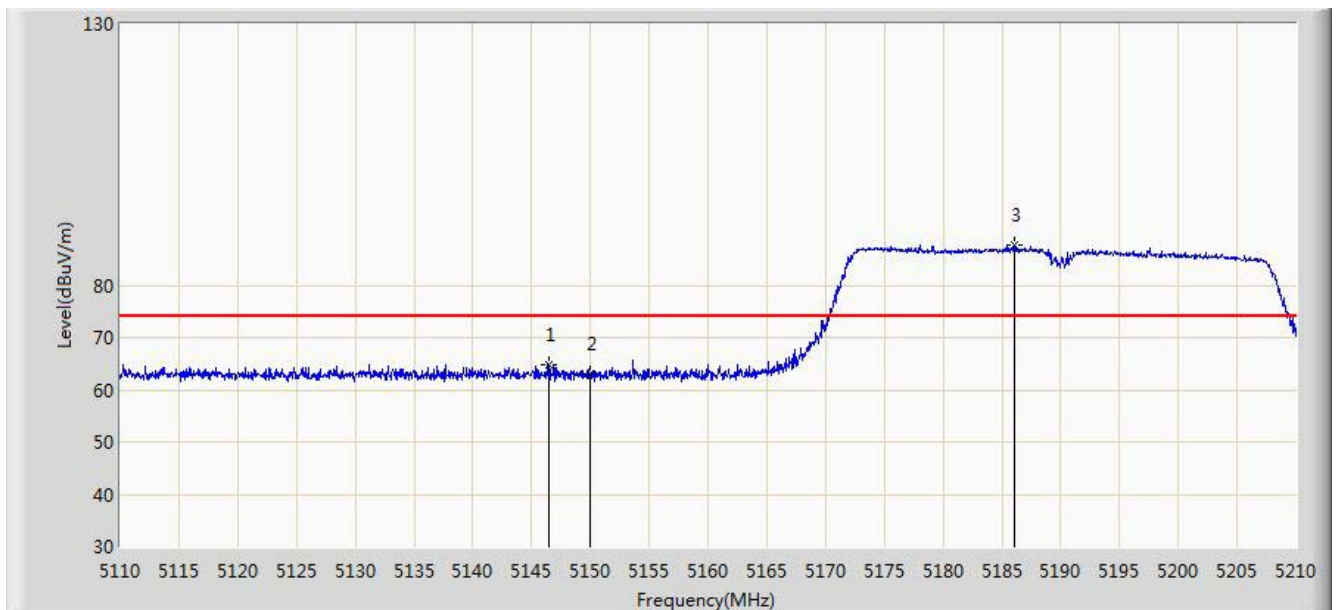


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.313	42.137	-4.687	54.000	7.176	AV
2		*	5188.350	76.606	69.604	N/A	N/A	7.001	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	

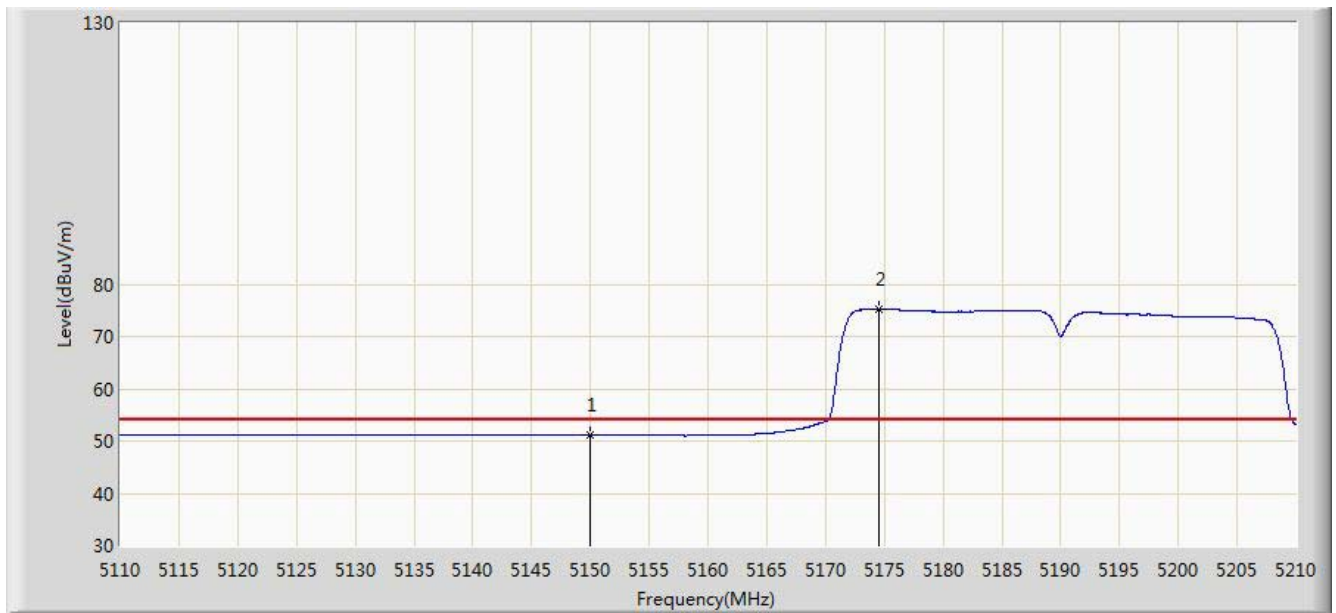


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.500	64.686	57.509	-9.314	74.000	7.177	PK
2			5150.000	62.905	55.729	-11.095	74.000	7.176	PK
3		*	5186.050	87.623	80.607	N/A	N/A	7.016	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	

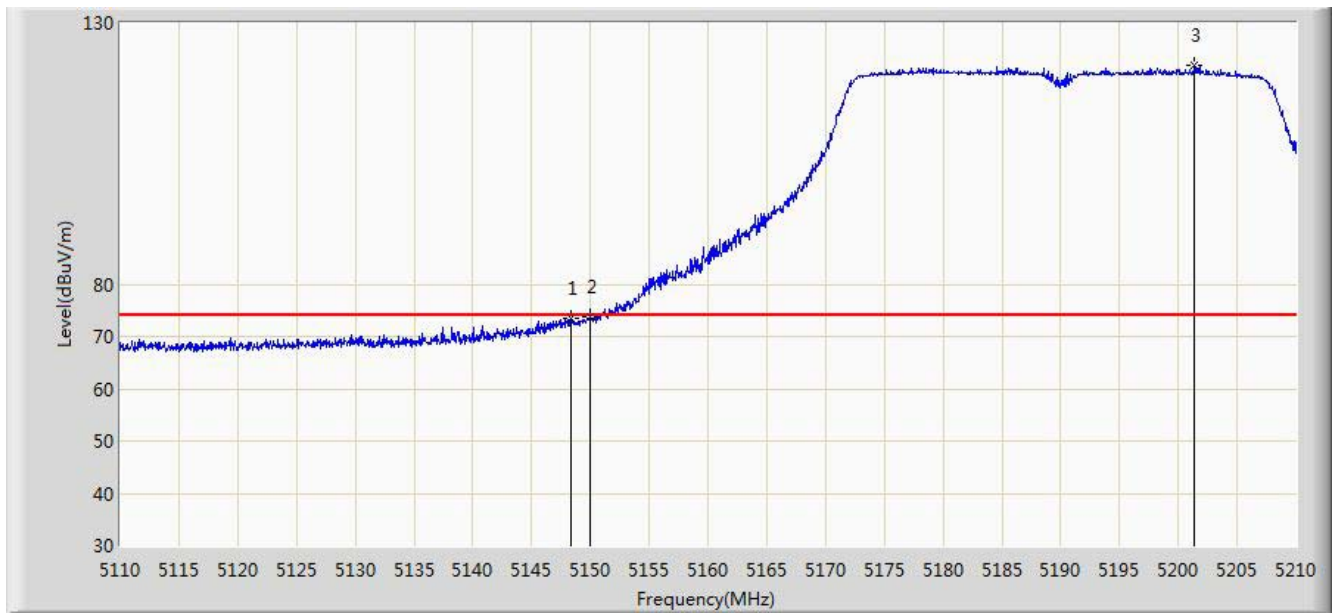


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.079	43.903	-2.921	54.000	7.176	AV
2		*	5174.500	75.220	68.130	N/A	N/A	7.091	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	

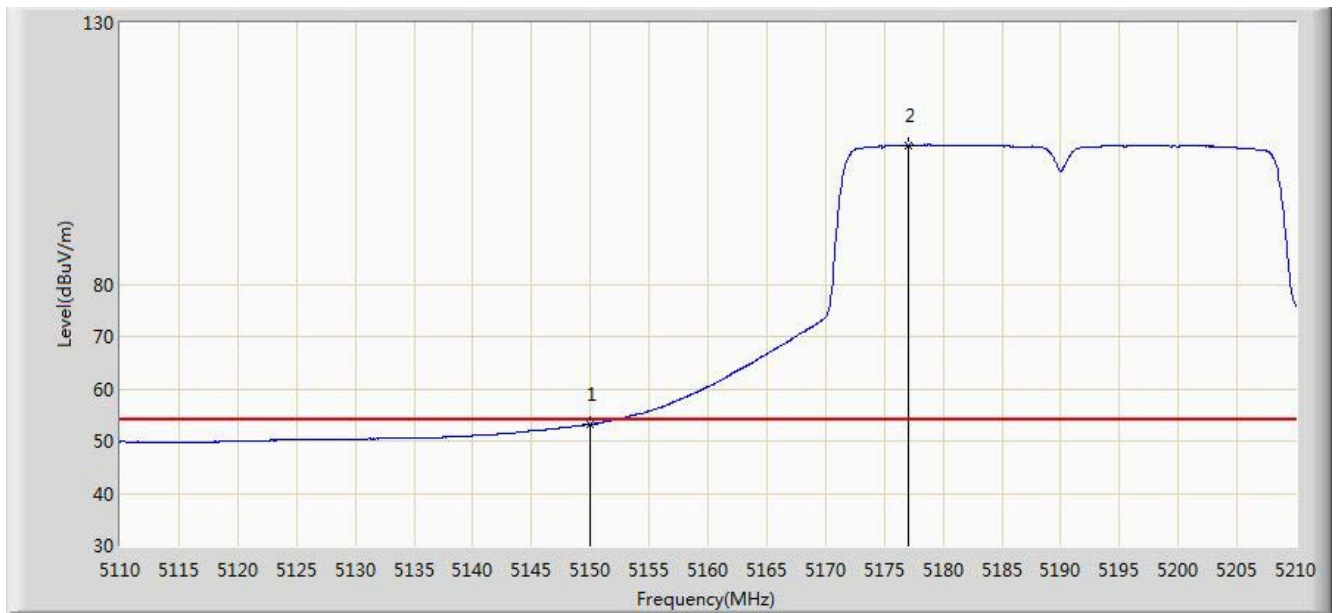


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.300	73.360	66.183	-0.640	74.000	7.176	PK
2			5150.000	73.669	66.493	-0.331	74.000	7.176	PK
3		*	5201.350	121.813	114.887	N/A	N/A	6.926	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 13:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 1	

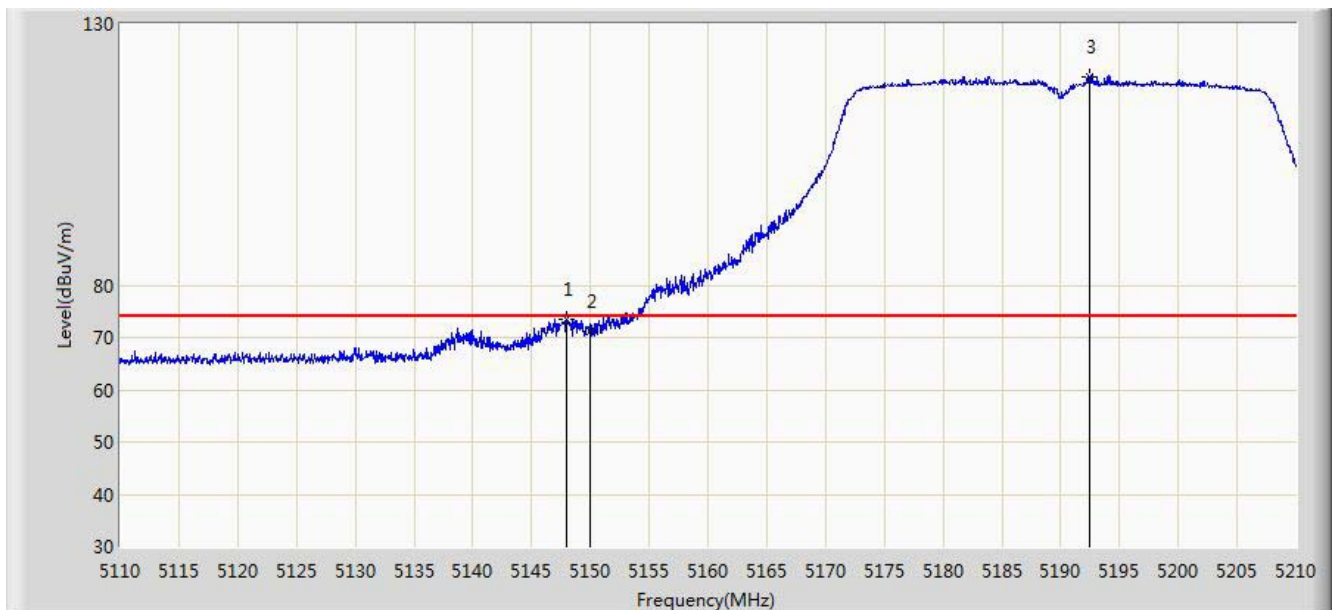


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.180	46.004	-0.820	54.000	7.176	AV
2		*	5177.000	106.592	99.518	N/A	N/A	7.074	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

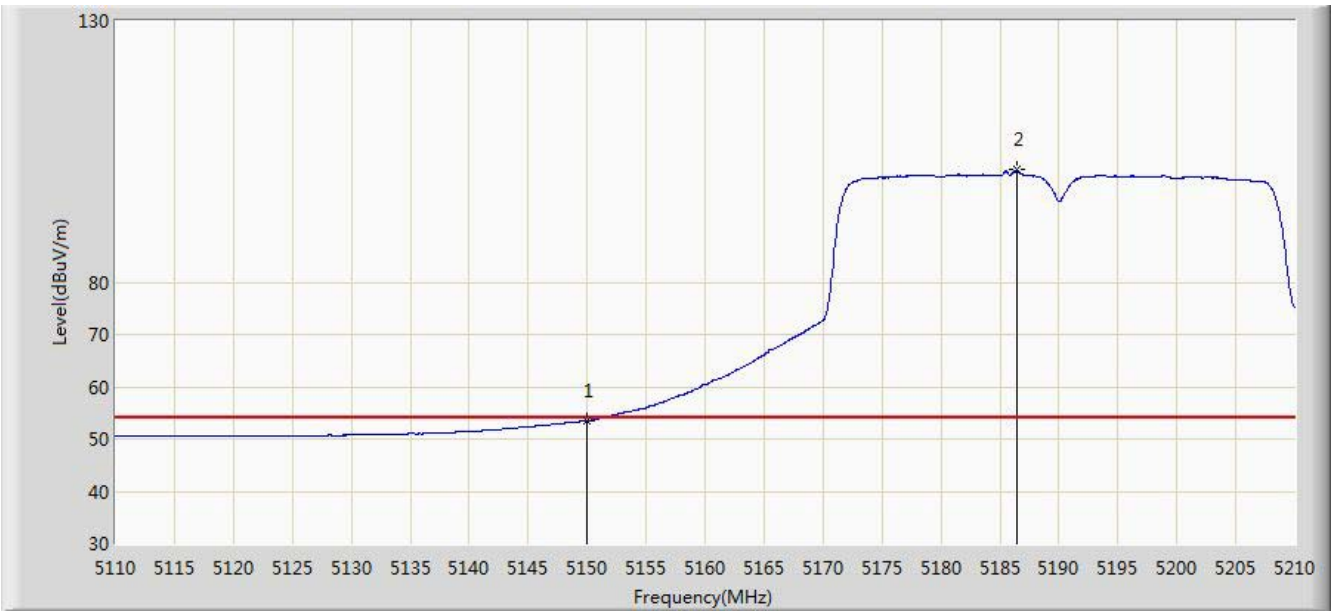


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.950	73.408	66.231	-0.592	74.000	7.177	PK
2			5150.000	71.239	64.063	-2.761	74.000	7.176	PK
3		*	5192.400	119.959	112.981	N/A	N/A	6.978	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

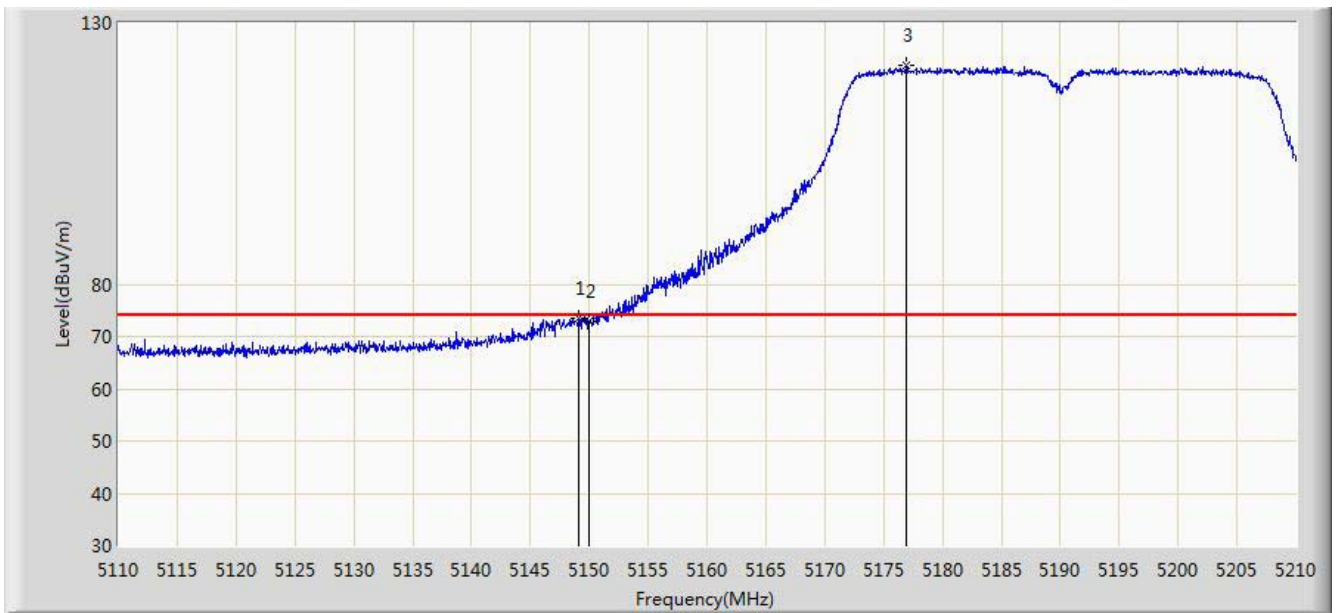


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.542	46.366	-0.458	54.000	7.176	AV
2		*	5186.450	101.486	94.472	N/A	N/A	7.014	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

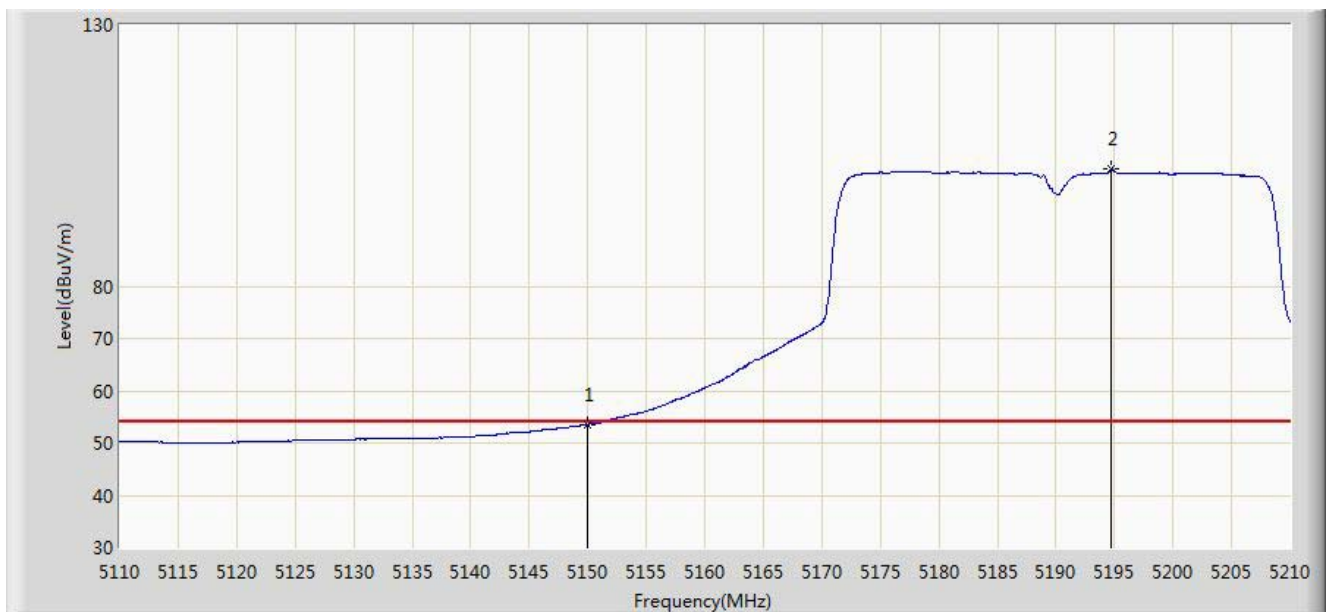


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.100	73.509	66.332	-0.491	74.000	7.176	PK
2			5150.000	72.836	65.660	-1.164	74.000	7.176	PK
3		*	5176.950	121.854	114.779	N/A	N/A	7.075	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 14:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 5: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0+1	

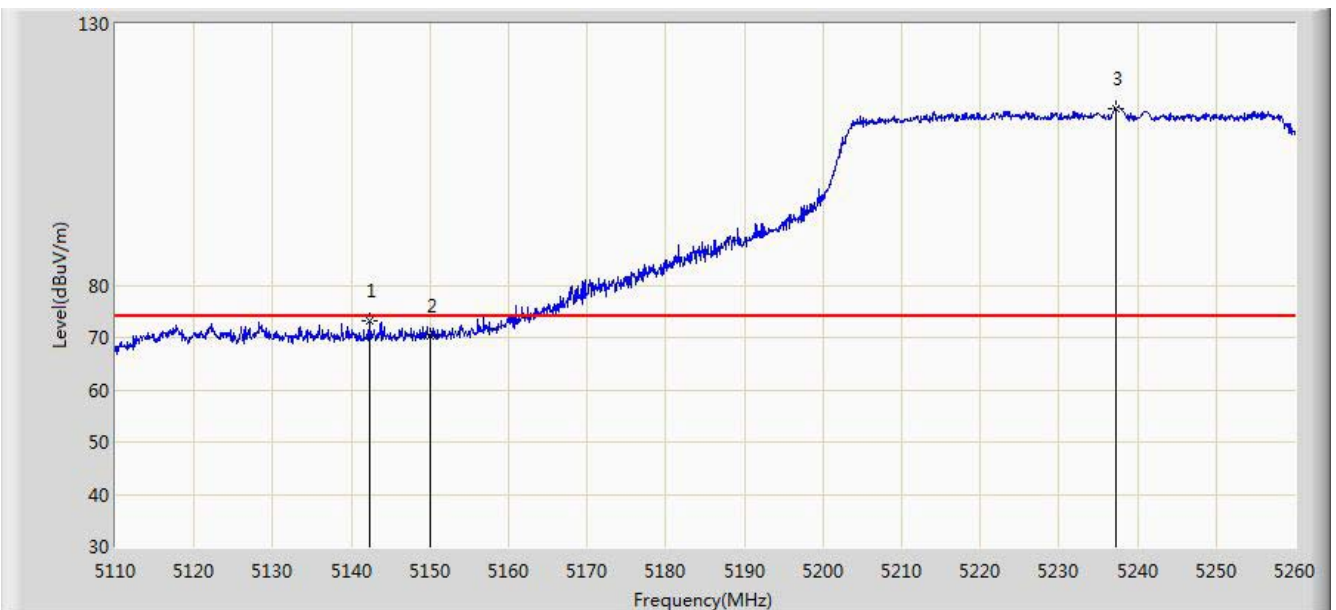


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.549	46.373	-0.451	54.000	7.176	AV
2		*	5194.700	102.563	95.598	N/A	N/A	6.965	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

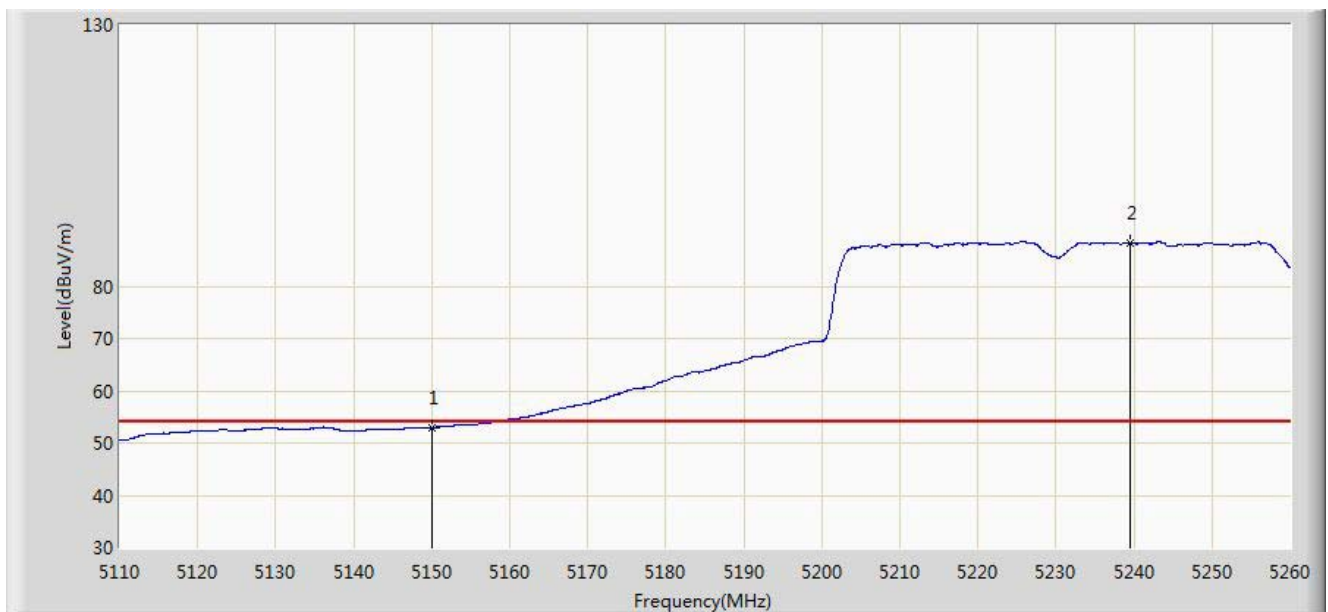


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.250	73.182	66.003	-0.818	74.000	7.179	PK
2			5150.000	70.308	63.132	-3.692	74.000	7.176	PK
3		*	5237.275	113.903	107.194	N/A	N/A	6.709	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

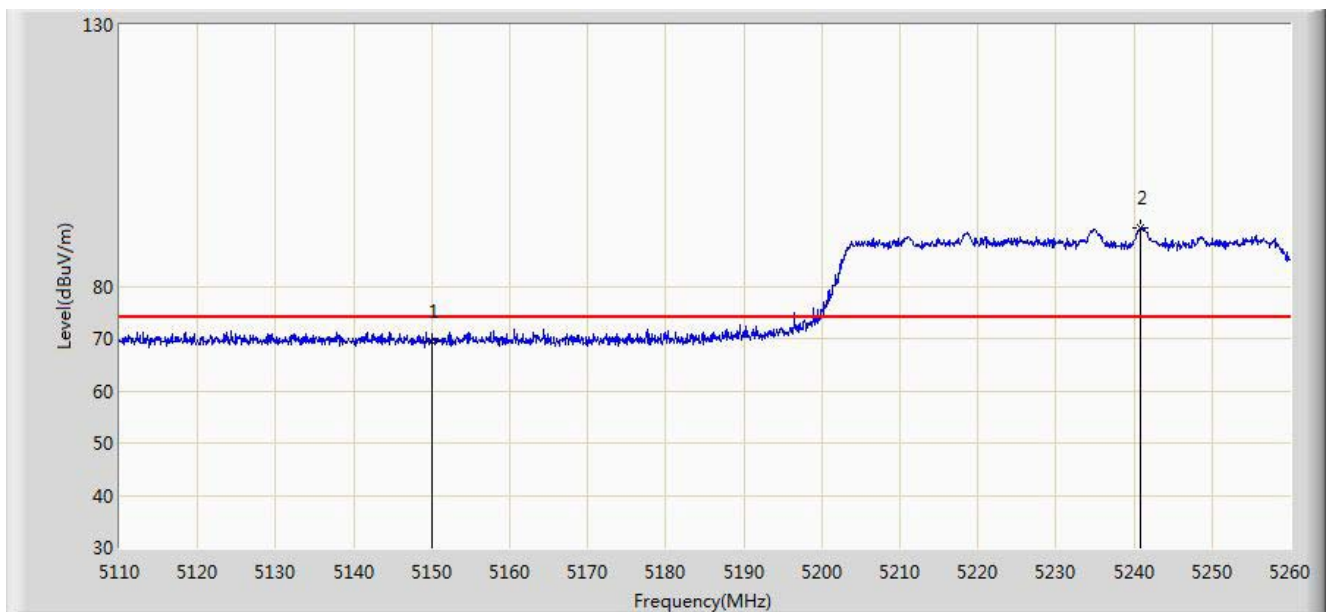


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.978	45.802	-1.022	54.000	7.176	AV
2		*	5239.600	88.386	81.693	N/A	N/A	6.693	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

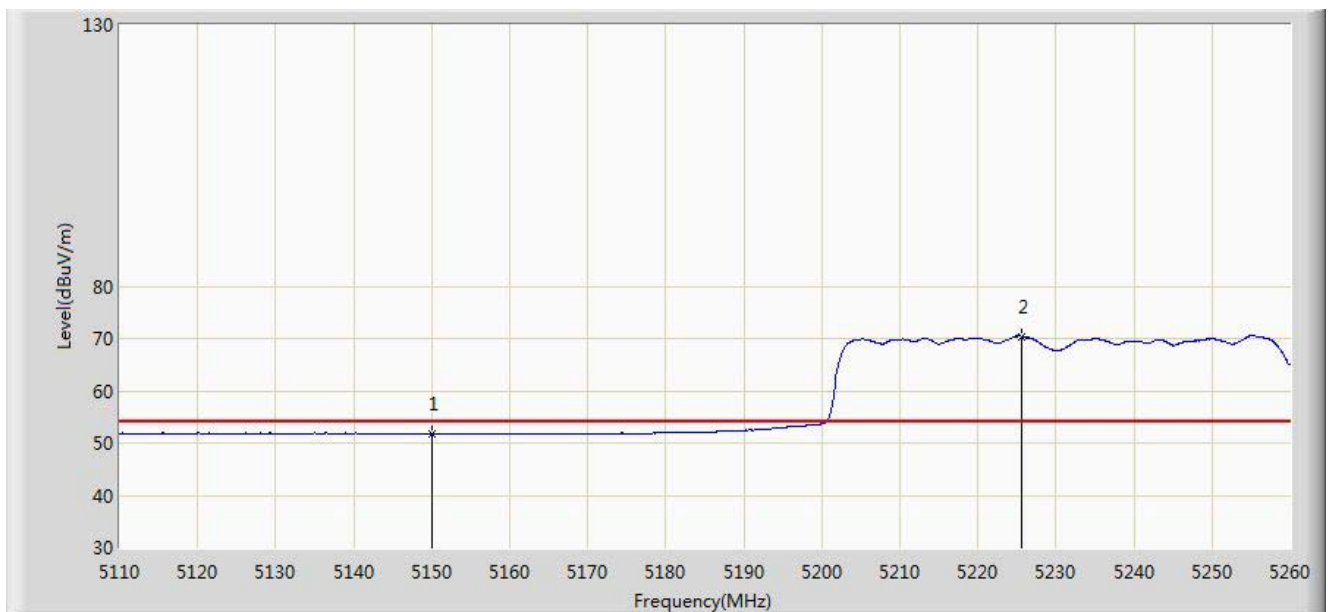


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	69.547	62.371	-4.453	74.000	7.176	PK
2		*	5240.875	91.275	84.591	N/A	N/A	6.684	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0	

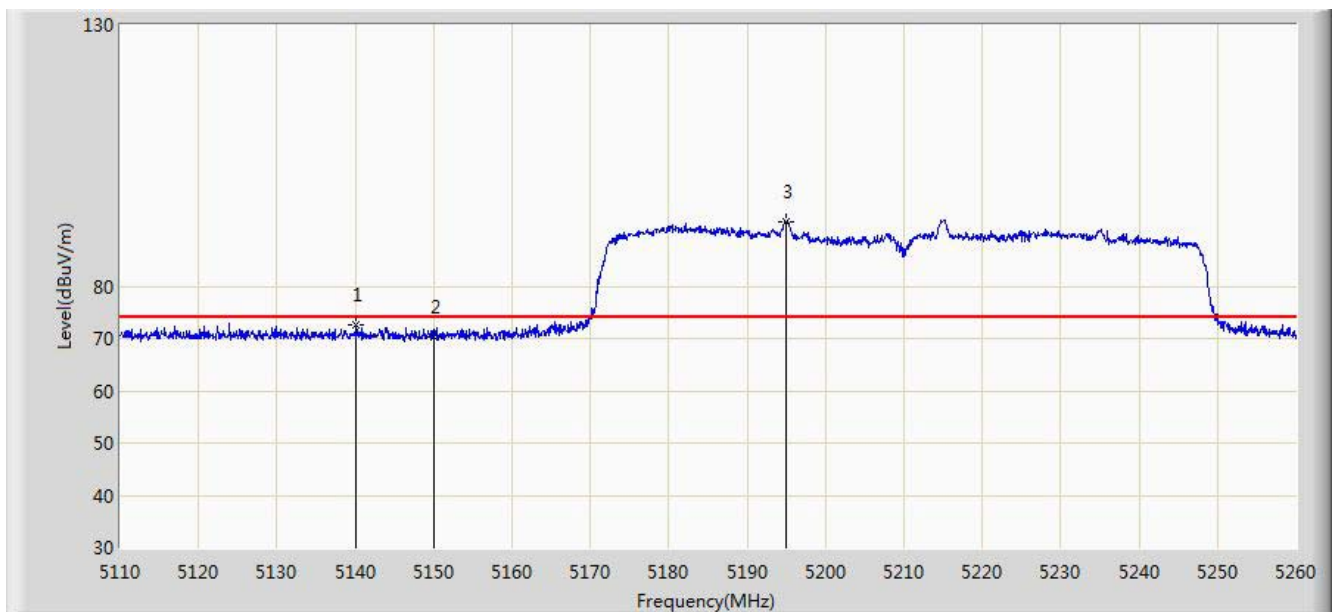


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.826	44.650	-2.174	54.000	7.176	AV
2		*	5225.650	70.360	63.573	N/A	N/A	6.787	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

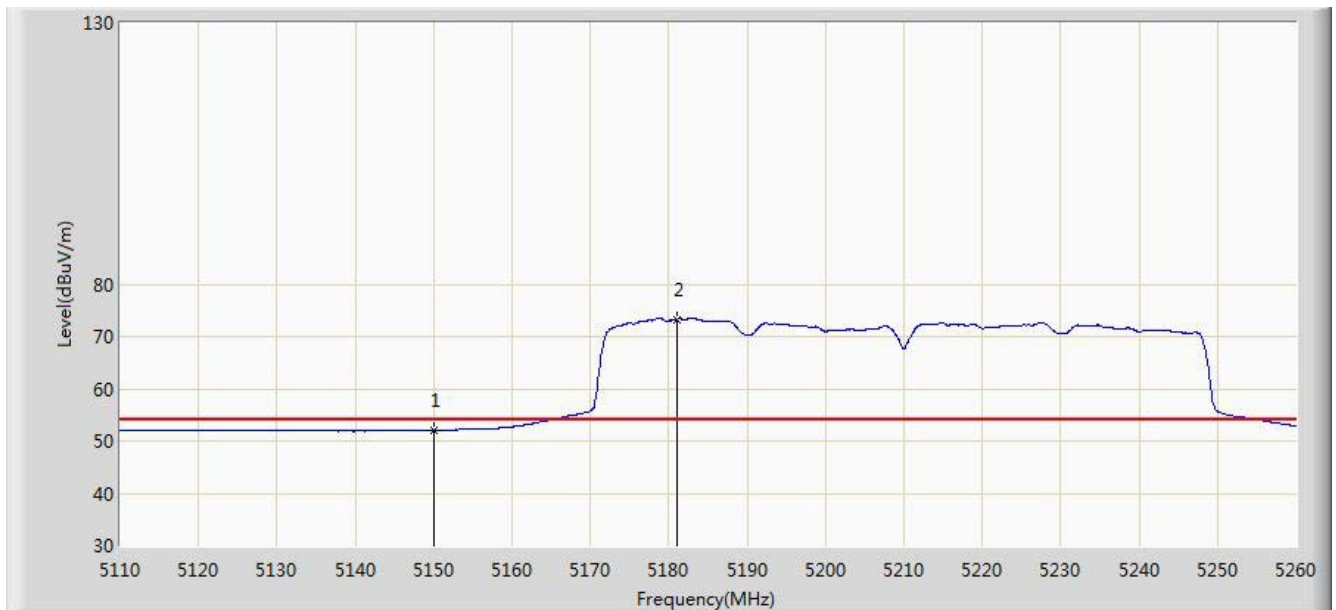


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.150	72.637	65.457	-1.363	74.000	7.180	PK
2			5150.000	70.199	63.023	-3.801	74.000	7.176	PK
3		*	5195.050	92.421	85.460	N/A	N/A	6.961	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

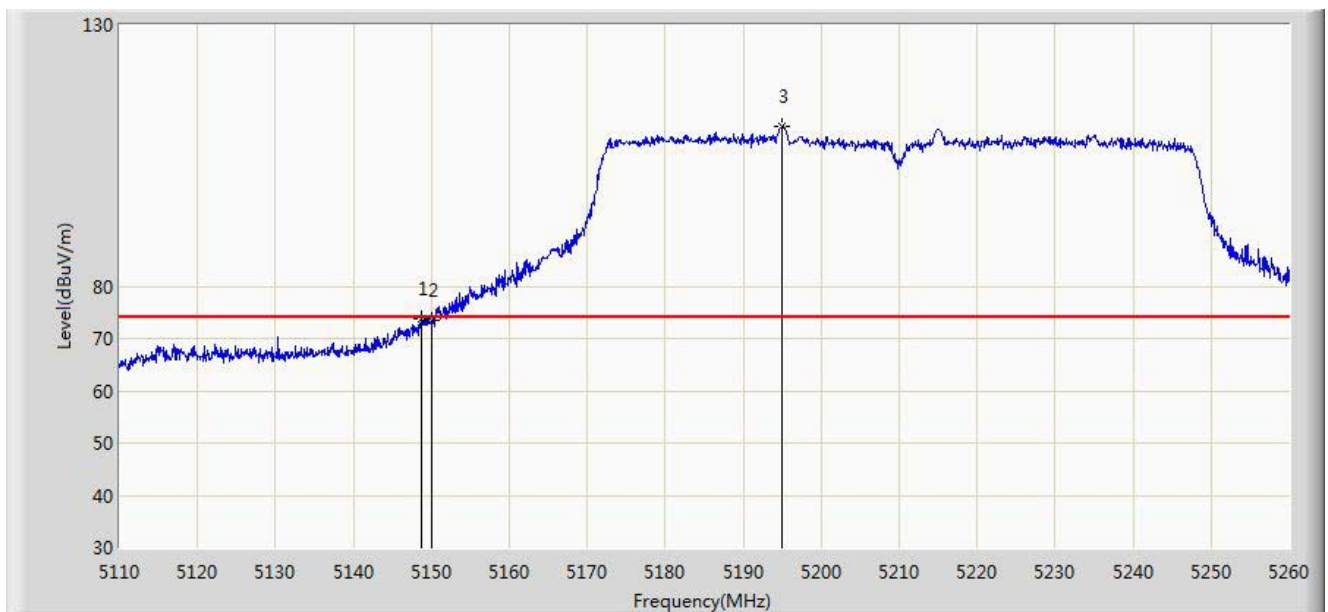


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.033	44.857	-1.967	54.000	7.176	AV
2		*	5181.100	73.306	66.259	N/A	N/A	7.047	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

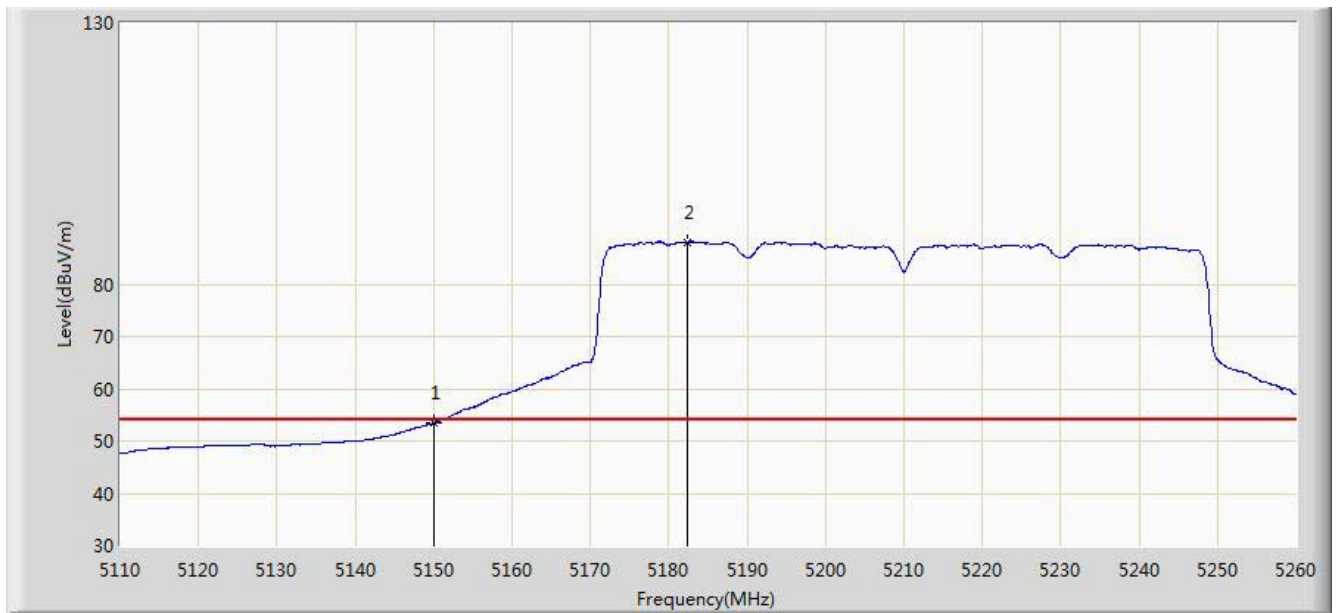


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.775	73.793	66.616	-0.207	74.000	7.177	PK
2			5150.000	73.461	66.285	-0.539	74.000	7.176	PK
3		*	5195.050	110.639	103.678	N/A	N/A	6.961	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 1	

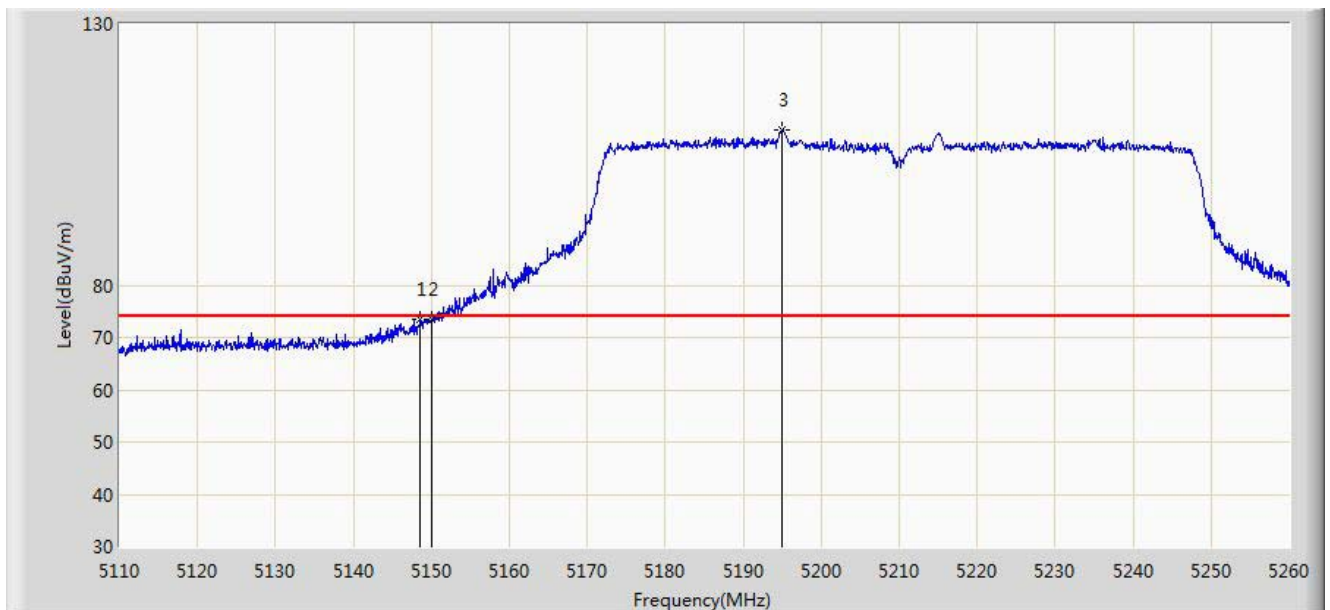


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.366	46.190	-0.634	54.000	7.176	AV
2		*	5182.300	87.904	80.865	N/A	N/A	7.039	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	

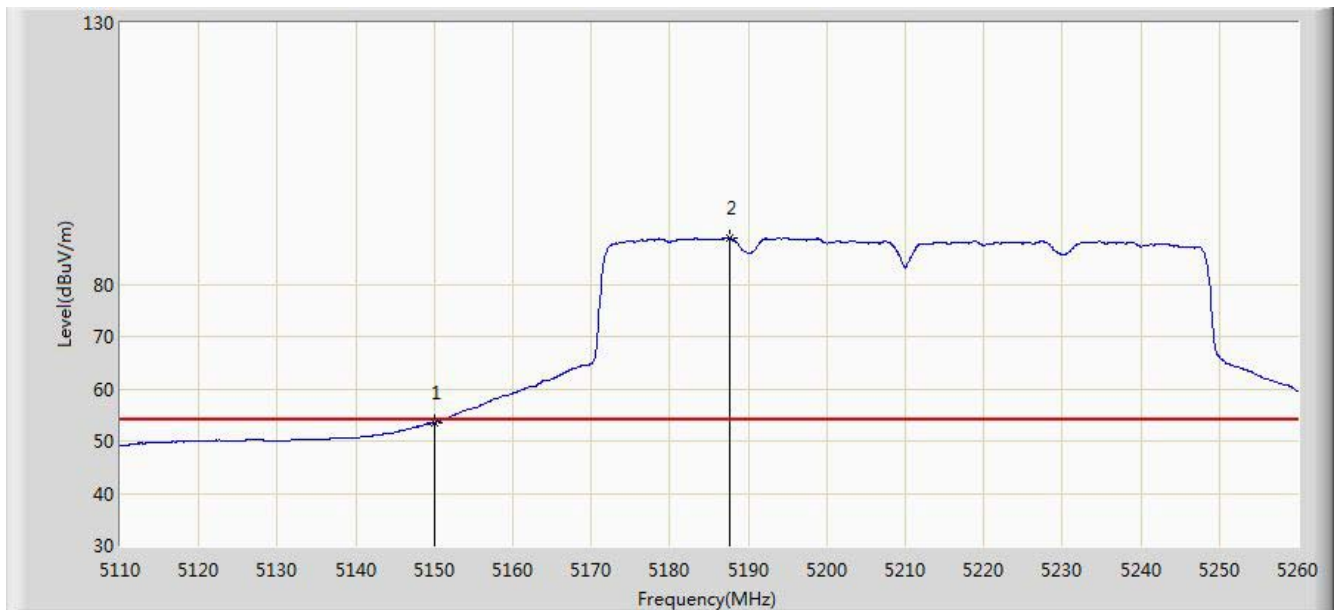


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.550	73.559	66.382	-0.441	74.000	7.177	PK
2			5150.000	73.369	66.193	-0.631	74.000	7.176	PK
3		*	5195.050	109.584	102.623	N/A	N/A	6.961	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+1	

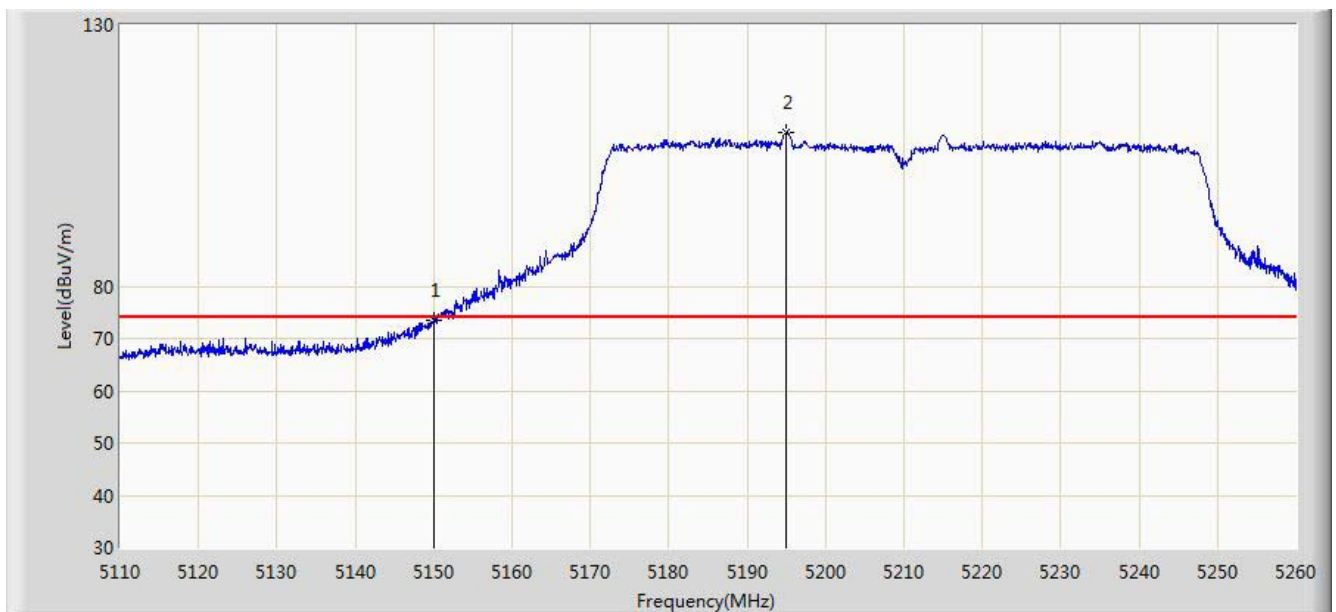


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.559	46.383	-0.441	54.000	7.176	AV
2		*	5187.625	88.831	81.824	N/A	N/A	7.007	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/09/26 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-AC 2X2 27DBM NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode 6: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0+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	73.586	66.410	-0.414	74.000	7.176	PK
2		*	5195.050	109.436	102.475	N/A	N/A	6.961	PK

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

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