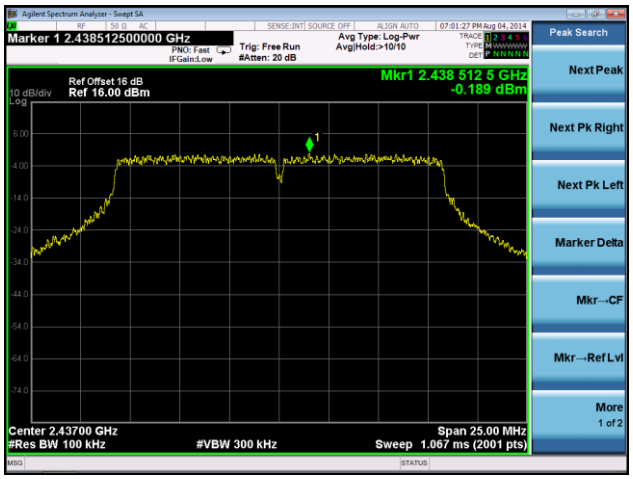
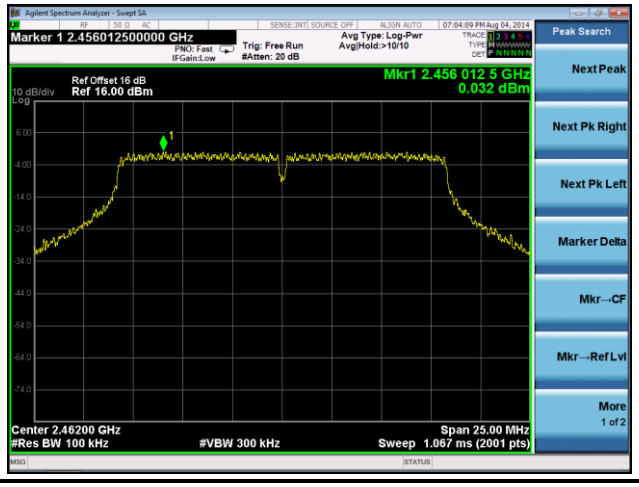
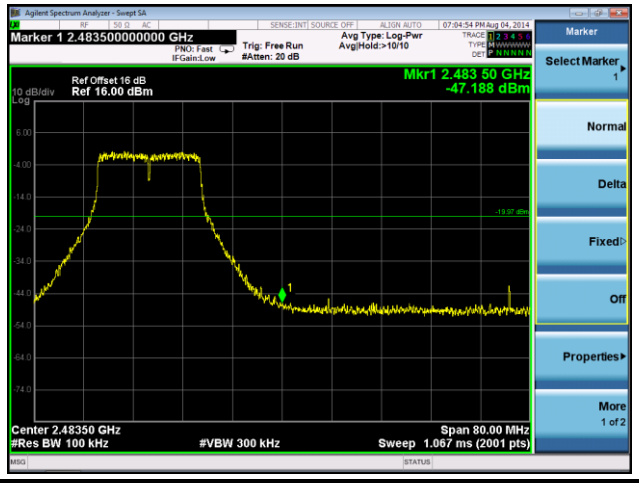
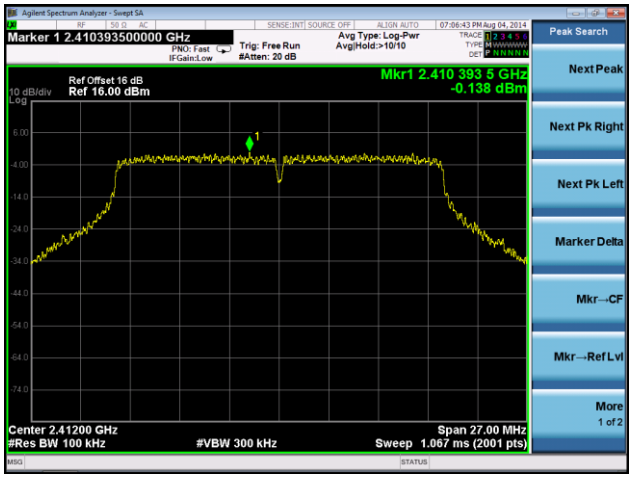
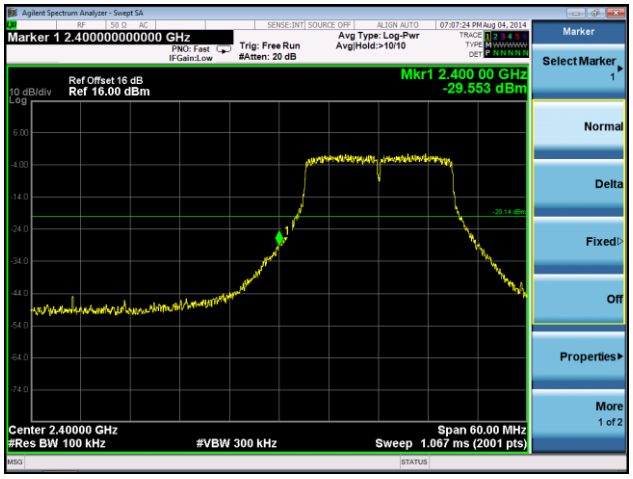
Spurious Emission	
	

Channel 06 (2437MHz)	
100kHz PSD Reference Level	**Spurious Emission**
	

Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	

Spurious Emission	
	
802.11n-HT20 Out-of-Band Emissions - Ant 1	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	**Low Band Edge**
	
Spurious Emission	
	

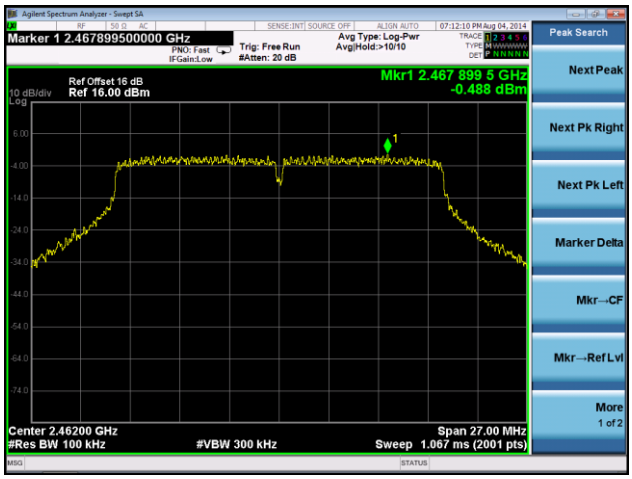
Channel 06 (2437MHz)

100kHz PSD Reference Level

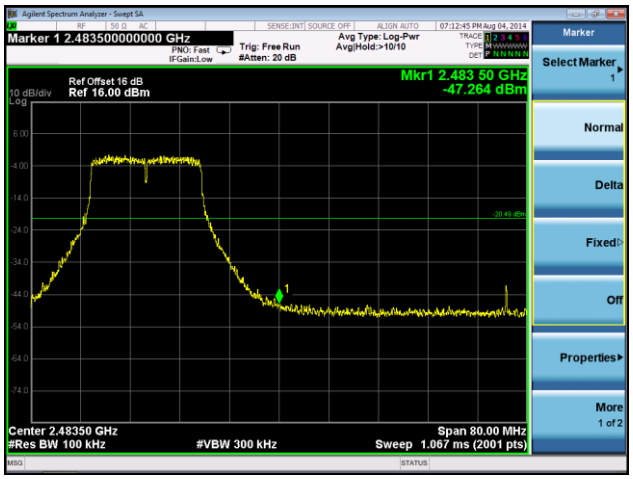
Spurious Emission

Channel 11 (2462MHz)

100kHz PSD Reference Level



High Band Edge

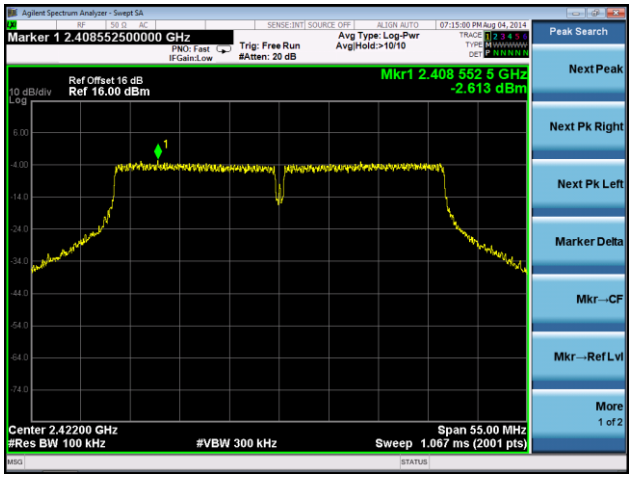


Spurious Emission

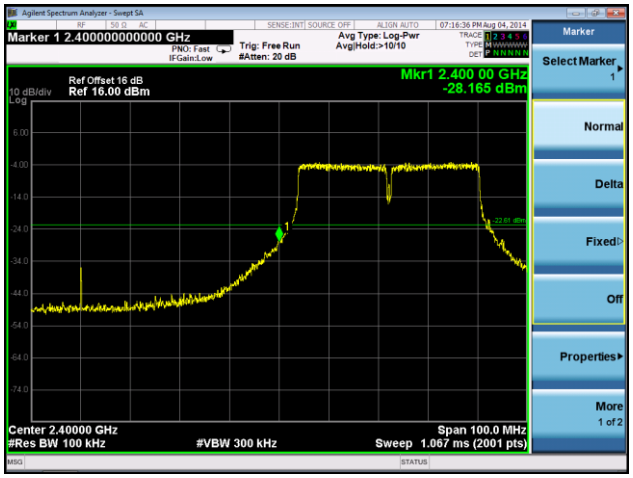
802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

100kHz PSD Reference Level



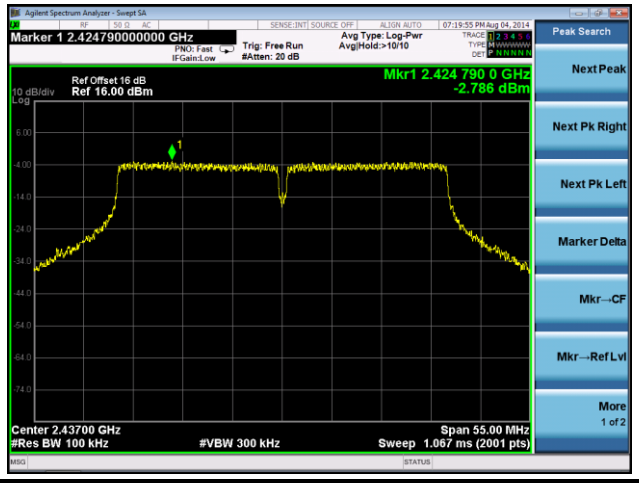
Low Band Edge



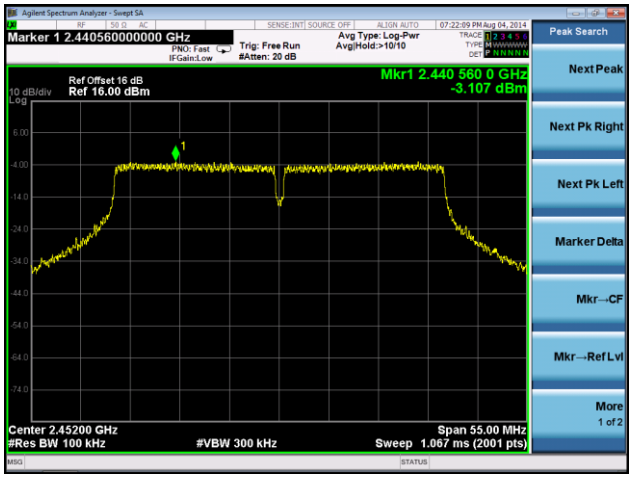
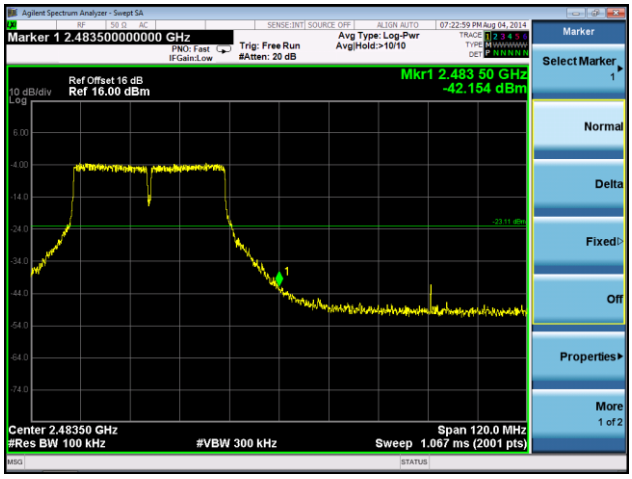
Spurious Emission

Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission

Channel 09 (2452MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

7.6. Radiated Spurious Emission Measurement

7.6.1. 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

7.6.2. Test Procedure Used

KDB 558074 D01v03r02 – Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r02 – Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r02 – Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r02

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1—RBW as a function of frequency

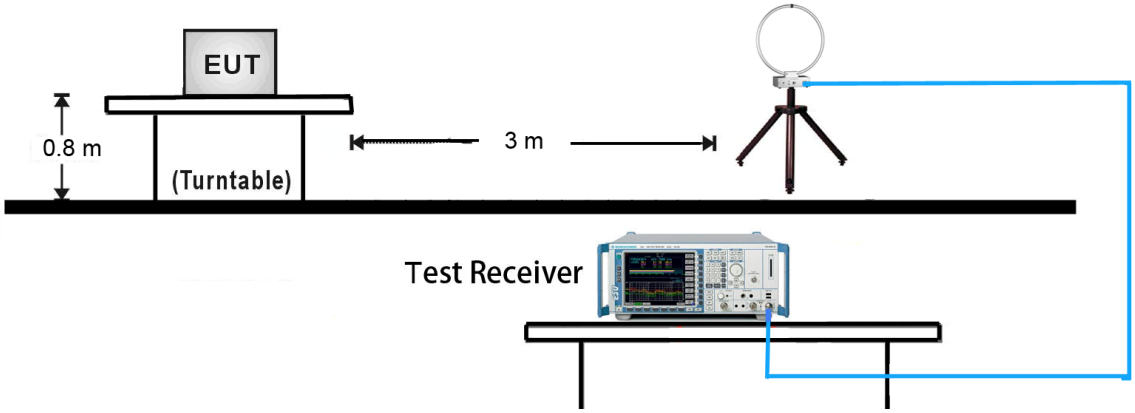
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r02

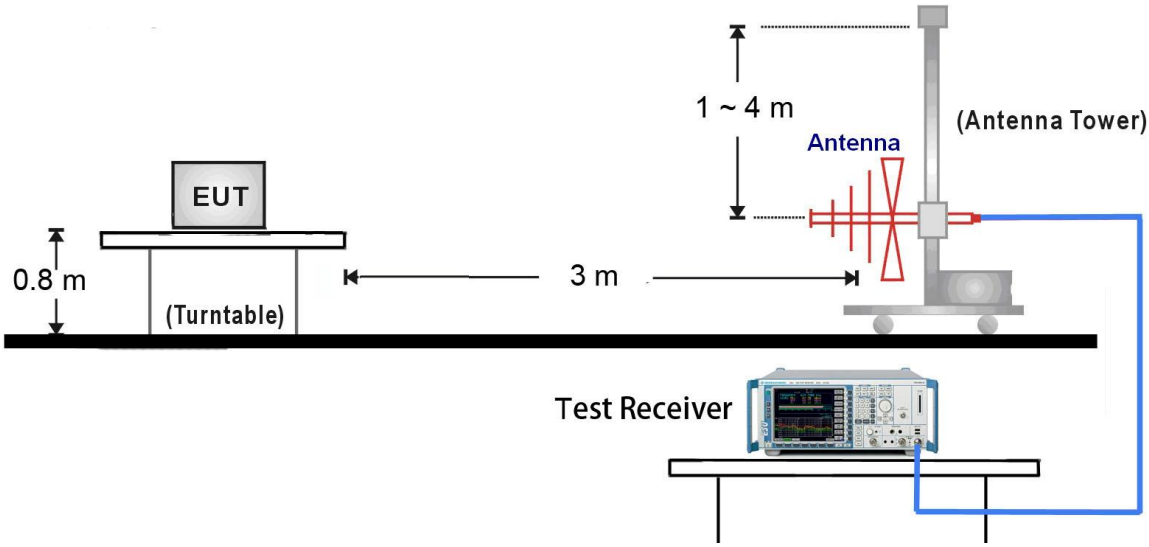
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

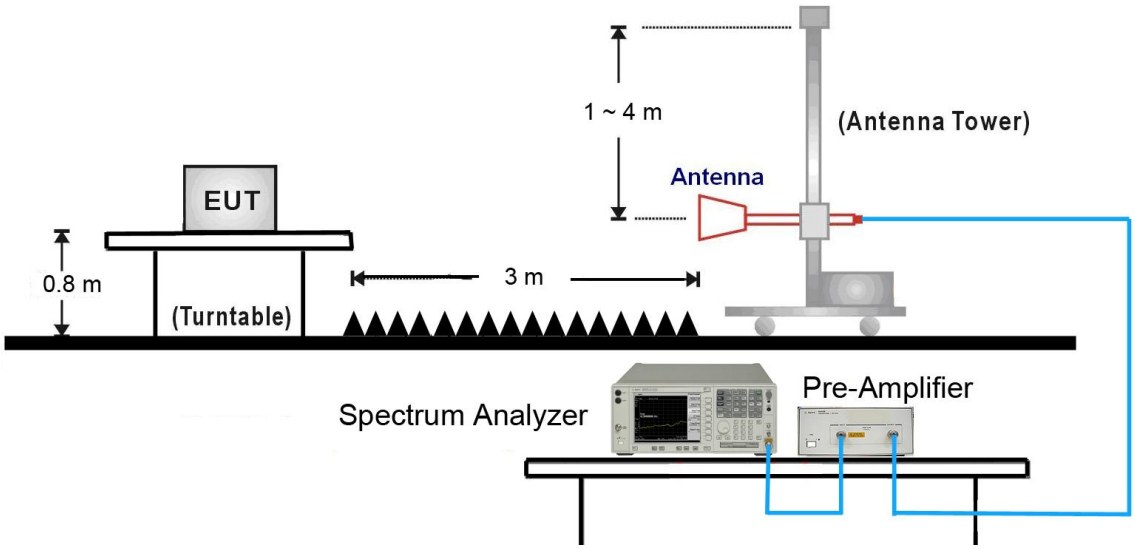
9kHz ~ 30MHz Test Setup:



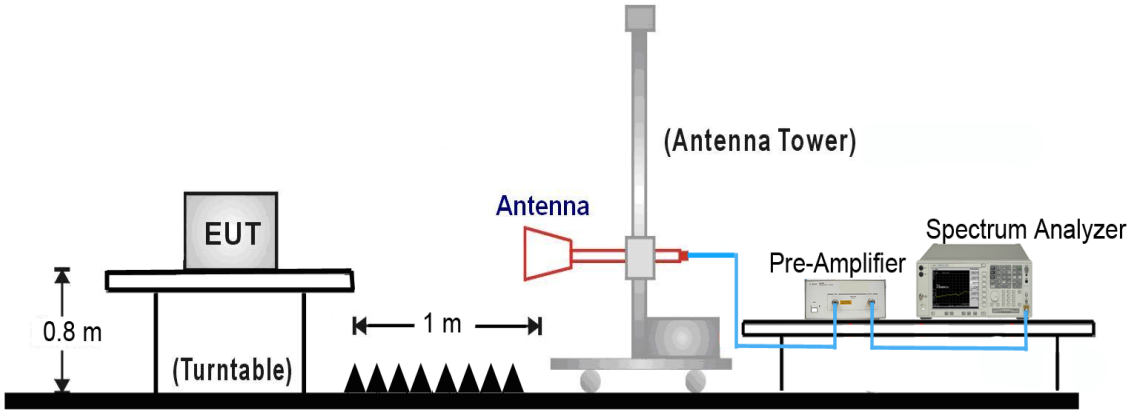
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test by Panel Antenna - 11dBi

Test Mode:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1997.6	43.2	1.0	44.2	92.8	-48.6	Peak	Horizontal
*	7236.1	35.1	13.8	48.9	92.8	-43.9	Peak	Horizontal
	4824.9	44.6	6.4	51.0	74.0	-23.0	Peak	Horizontal
	7311.8	33.6	14.0	47.6	74.0	-26.4	Peak	Horizontal
*	1863.9	35.9	0.4	36.3	92.8	-56.5	Peak	Vertical
*	7236.0	34.7	13.8	48.5	92.8	-44.3	Peak	Vertical
	4824.9	43.8	6.4	50.2	74.0	-23.8	Peak	Vertical
	7421.0	35.1	14.2	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.8dBμV/m).

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

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

Test Mode:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1796.1	35.8	-0.2	35.6	100.4	-64.8	Peak	Horizontal
*	2124.9	36.9	2.3	39.2	100.4	-61.2	Peak	Horizontal
	4874.9	37.8	6.6	44.4	74.0	-29.6	Peak	Horizontal
	7311.0	34.8	14.0	48.8	74.0	-25.2	Peak	Horizontal
*	1827.9	37.6	0.1	37.7	100.4	-62.7	Peak	Vertical
*	2166.9	38.4	2.8	41.2	100.4	-59.2	Peak	Vertical
	4876.0	44.8	6.6	51.4	74.0	-22.6	Peak	Vertical
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (120.4dBμV/m).

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

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

Test Mode:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1817.6	36.5	0.1	36.6	91.7	-55.1	Peak	Horizontal
*	2147.6	35.7	2.6	38.3	91.7	-53.4	Peak	Horizontal
	4927.1	44.8	6.7	51.5	74.0	-22.5	Peak	Horizontal
	7392.0	36.2	14.1	50.3	74.0	-23.7	Peak	Horizontal
*	1844.4	36.1	0.3	36.4	91.7	-55.3	Peak	Vertical
*	2129.6	37.3	2.4	39.7	91.7	-52.0	Peak	Vertical
	4927.0	45.1	6.7	51.8	74.0	-22.2	Peak	Vertical
	7386.0	36.1	14.1	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.7dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3175.7	35.9	3.6	39.5	95.0	-55.5	Peak	Horizontal
*	4402.7	35.1	5.5	40.6	95.0	-54.4	Peak	Horizontal
	4874.0	35.3	6.6	41.9	74.0	-32.1	Peak	Horizontal
	7365.5	34.3	14.0	48.3	74.0	-25.7	Peak	Horizontal
*	3240.3	35.8	3.4	39.2	95.0	-55.8	Peak	Vertical
*	4492.6	35.6	5.6	41.2	95.0	-53.8	Peak	Vertical
	4825.0	44.0	6.4	50.4	74.0	-23.6	Peak	Vertical
	7253.5	35.8	13.9	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.0dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3283.7	35.3	3.3	38.6	103.5	-64.9	Peak	Horizontal
*	4423.7	35.6	5.5	41.1	103.5	-62.4	Peak	Horizontal
	4874.0	35.9	6.6	42.5	74.0	-31.5	Peak	Horizontal
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	3240.5	35.1	3.4	38.5	103.5	-65.0	Peak	Vertical
*	4402.6	34.6	5.5	40.1	103.5	-63.4	Peak	Vertical
	4876.0	39.4	6.6	46.0	74.0	-28.0	Peak	Vertical
	7311.0	35.5	14.0	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (123.5dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3215.6	36.0	3.5	39.5	93.0	-53.5	Peak	Horizontal
*	4493.4	36.2	5.6	41.8	93.0	-51.2	Peak	Horizontal
	4924.0	35.1	6.7	41.8	74.0	-32.2	Peak	Horizontal
	7386.0	35.6	14.1	49.7	74.0	-24.3	Peak	Horizontal
*	3196.4	35.8	3.5	39.3	93.0	-53.7	Peak	Vertical
*	4402.7	35.1	5.5	40.6	93.0	-52.4	Peak	Vertical
	4927.0	38.4	6.7	45.1	74.0	-28.9	Peak	Vertical
	7386.0	34.4	14.1	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.0dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2092.0	36.5	2.0	38.5	95.2	-56.7	Peak	Horizontal
*	7239.0	38.8	13.8	52.6	95.2	-42.6	Peak	Horizontal
	4825.0	41.3	6.4	47.7	74.0	-26.3	Peak	Horizontal
	7496.0	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
*	1832.5	39.8	0.2	40.0	95.2	-55.2	Peak	Vertical
*	7236.0	34.1	13.8	47.9	95.2	-47.3	Peak	Vertical
	4825.0	43.7	6.4	50.1	74.0	-23.9	Peak	Vertical
	7512.0	33.4	14.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.2dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1799.5	36.5	-0.1	36.4	103.2	-66.8	Peak	Horizontal
*	1988.5	38.1	1.0	39.1	103.2	-64.1	Peak	Horizontal
	4876.0	42.2	6.6	48.8	74.0	-25.2	Peak	Horizontal
	7307.0	40.1	14.0	54.1	74.0	-19.9	Peak	Horizontal
	7307.0	34.3	14.0	48.3	54.0	-5.7	Average	Horizontal
*	1810.0	37.0	0.0	37.0	103.2	-66.2	Peak	Vertical
*	2030.5	37.1	1.3	38.4	103.2	-64.8	Peak	Vertical
	4876.0	41.4	6.6	48.0	74.0	-26.0	Peak	Vertical
	7307.0	36.8	14.0	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (123.2dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1769.5	36.2	-0.4	35.8	93.7	-57.9	Peak	Horizontal
*	1988.5	38.3	1.0	39.3	93.7	-54.4	Peak	Horizontal
	4927.0	42.1	6.7	48.8	74.0	-25.2	Peak	Horizontal
	7375.0	38.4	14.1	52.5	74.0	-21.5	Peak	Horizontal
*	1831.0	36.9	0.2	37.1	93.7	-56.6	Peak	Vertical
*	1990.0	38.0	1.0	39.0	93.7	-54.7	Peak	Vertical
	4927.0	39.4	6.7	46.1	74.0	-27.9	Peak	Vertical
	7375.0	35.8	14.1	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.7dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1973.5	36.3	0.9	37.2	95.9	-58.7	Peak	Horizontal
*	7239.0	36.3	13.8	50.1	95.9	-45.8	Peak	Horizontal
	4825.0	37.8	6.4	44.2	74.0	-29.8	Peak	Horizontal
	7724.0	33.5	14.5	48.0	74.0	-26.0	Peak	Horizontal
*	2000.5	43.1	1.1	44.2	95.9	-51.7	Peak	Vertical
*	7236.0	36.2	13.8	50.0	95.9	-45.9	Peak	Vertical
	4824.0	38.0	6.4	44.4	74.0	-29.6	Peak	Vertical
	7481.0	34.0	14.3	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.9dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1813.1	36.2	0.0	36.2	100.3	-64.1	Peak	Horizontal
*	1952.6	36.8	0.8	37.6	100.3	-62.7	Peak	Horizontal
	4875.8	41.5	6.6	48.1	74.0	-25.9	Peak	Horizontal
	7307.0	37.3	14.0	51.3	74.0	-22.7	Peak	Horizontal
*	4875.9	42.1	6.6	48.7	100.3	-51.6	Peak	Vertical
*	7307.1	37.4	14.0	51.4	100.3	-48.9	Peak	Vertical
	4876.0	41.3	6.6	47.9	74.0	-26.1	Peak	Vertical
	7307.0	35.8	14.0	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (120.3dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1810.2	36.3	0.1	36.4	97.4	-61.0	Peak	Horizontal
*	2003.2	35.8	1.1	36.9	97.4	-60.5	Peak	Horizontal
	4924.0	36.2	6.7	42.9	74.0	-31.1	Peak	Horizontal
	7386.0	34.1	14.1	48.2	74.0	-25.8	Peak	Horizontal
*	1835.4	37.2	0.2	37.4	97.4	-60.0	Peak	Vertical
*	1985.5	38.6	1.0	39.6	97.4	-57.8	Peak	Vertical
	4927.0	40.2	6.7	46.9	74.0	-27.1	Peak	Vertical
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (117.4dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3202.6	35.9	3.5	39.4	94.4	-55.0	Peak	Horizontal
*	4423.4	35.7	5.5	41.2	94.4	-53.2	Peak	Horizontal
	4825.0	38.1	6.4	44.5	74.0	-29.5	Peak	Horizontal
	7236.0	35.4	13.8	49.2	74.0	-24.8	Peak	Horizontal
*	3152.5	35.7	3.6	39.3	94.4	-55.1	Peak	Vertical
*	4426.7	35.2	5.5	40.7	94.4	-53.7	Peak	Vertical
	4816.5	40.8	6.4	47.2	74.0	-26.8	Peak	Vertical
	7236.0	36.1	13.8	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.4dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3142.4	36.4	3.6	40.0	100.3	-60.3	Peak	Horizontal
*	4412.4	35.6	5.5	41.1	100.3	-59.2	Peak	Horizontal
	4874.0	35.2	6.6	41.8	74.0	-32.2	Peak	Horizontal
	7311.0	35.1	14.0	49.1	74.0	-24.9	Peak	Horizontal
*	3172.6	35.7	3.6	39.3	100.3	-61.0	Peak	Vertical
*	4420.4	35.4	5.5	40.9	100.3	-59.4	Peak	Vertical
	4867.5	38.5	6.6	45.1	74.0	-28.9	Peak	Vertical
	7213.5	37.1	13.7	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (120.3dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3102.5	35.5	3.5	39.0	90.8	-51.8	Peak	Horizontal
*	4409.5	35.3	5.5	40.8	90.8	-50.0	Peak	Horizontal
	4924.0	35.4	6.7	42.1	74.0	-31.9	Peak	Horizontal
	7386.0	34.0	14.1	48.1	74.0	-25.9	Peak	Horizontal
*	3256.6	36.1	3.3	39.4	90.8	-51.4	Peak	Vertical
*	4472.6	35.4	5.6	41.0	90.8	-49.8	Peak	Vertical
	4927.0	37.3	6.7	44.0	74.0	-30.0	Peak	Vertical
	7386.0	34.0	14.1	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.8dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3202.3	35.7	3.5	39.2	96.8	-57.6	Peak	Horizontal
*	4423.2	36.1	5.5	41.6	96.8	-55.2	Peak	Horizontal
	4825.3	37.5	6.4	43.9	74.0	-30.1	Peak	Horizontal
	7236.1	36.1	13.8	49.9	74.0	-24.1	Peak	Horizontal
*	3152.4	35.9	3.6	39.5	96.8	-57.3	Peak	Vertical
*	4426.6	35.6	5.5	41.1	96.8	-55.7	Peak	Vertical
	4816.5	41.1	6.4	47.5	74.0	-26.5	Peak	Vertical
	7236.0	35.8	13.8	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (116.8dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1774.0	37.0	-0.4	36.6	99.9	-63.3	Peak	Horizontal
*	1889.5	36.4	0.6	37.0	99.9	-62.9	Peak	Horizontal
	4876.0	38.3	6.6	44.9	74.0	-29.1	Peak	Horizontal
	7307.0	37.2	14.0	51.2	74.0	-22.8	Peak	Horizontal
*	1808.5	36.7	-0.1	36.6	99.9	-63.3	Peak	Vertical
*	1994.5	38.0	1.0	39.0	99.9	-60.9	Peak	Vertical
	4876.0	43.1	6.6	49.7	74.0	-24.3	Peak	Vertical
	7307.0	36.7	14.0	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (119.9dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1805.5	36.9	-0.1	36.8	93.4	-56.6	Peak	Horizontal
*	2012.5	36.6	1.1	37.7	93.4	-55.7	Peak	Horizontal
	4927.0	46.0	6.7	52.7	74.0	-21.3	Peak	Horizontal
	7375.0	38.9	14.1	53.0	74.0	-21.0	Peak	Horizontal
*	1819.0	37.0	0.0	37.0	93.4	-56.4	Peak	Vertical
*	2000.5	36.3	1.1	37.4	93.4	-56.0	Peak	Vertical
	4927.0	39.6	6.7	46.3	74.0	-27.7	Peak	Vertical
	7392.0	36.2	14.1	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.4dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2035.0	36.5	1.3	37.8	99.0	-61.2	Peak	Horizontal
*	7239.0	35.8	13.8	49.6	99.0	-49.4	Peak	Horizontal
	4825.0	38.1	6.4	44.5	74.0	-29.5	Peak	Horizontal
	7463.0	33.7	14.2	47.9	74.0	-26.1	Peak	Horizontal
*	1988.5	37.2	1.0	38.2	99.0	-60.8	Peak	Vertical
*	7239.0	35.6	13.8	49.4	99.0	-49.6	Peak	Vertical
	4825.0	40.3	6.4	46.7	74.0	-27.3	Peak	Vertical
	7573.0	33.9	14.7	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (119.0dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1775.5	37.5	-0.4	37.1	99.7	-62.6	Peak	Horizontal
*	2045.5	36.4	1.4	37.8	99.7	-61.9	Peak	Horizontal
	4876.0	41.0	6.6	47.6	74.0	-26.4	Peak	Horizontal
	7324.0	39.2	14.0	53.2	74.0	-20.8	Peak	Horizontal
*	1802.5	36.8	-0.1	36.7	99.7	-63.0	Peak	Vertical
*	1996.0	36.4	1.0	37.4	99.7	-62.3	Peak	Vertical
	4876.0	38.6	6.6	45.2	74.0	-28.8	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (119.7dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1801.0	36.0	-0.1	35.9	95.6	-59.7	Peak	Horizontal
*	1985.5	36.6	1.0	37.6	95.6	-58.0	Peak	Horizontal
	4924.0	37.2	6.7	43.9	74.0	-30.1	Peak	Horizontal
	7386.0	36.5	14.1	50.6	74.0	-23.4	Peak	Horizontal
*	1775.5	38.2	-0.4	37.8	95.6	-57.8	Peak	Vertical
*	2000.5	36.7	1.1	37.8	95.6	-57.8	Peak	Vertical
	4924.0	39.8	6.7	46.5	74.0	-27.5	Peak	Vertical
	7386.0	35.6	14.1	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.6dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3185.4	35.6	3.6	39.2	91.7	-52.5	Peak	Horizontal
*	4412.0	35.1	5.5	40.6	91.7	-51.1	Peak	Horizontal
	4844.0	34.8	6.5	41.3	74.0	-32.7	Peak	Horizontal
	7266.0	35.2	13.9	49.1	74.0	-24.9	Peak	Horizontal
*	3282.7	33.8	3.3	37.1	91.7	-54.6	Peak	Vertical
*	4412.0	34.6	5.5	40.1	91.7	-51.6	Peak	Vertical
	4844.0	35.1	6.5	41.6	74.0	-32.4	Peak	Vertical
	7266.0	34.1	13.9	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.7dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1823.5	36.2	0.1	36.3	97.9	-61.6	Peak	Horizontal
*	1993.0	41.1	1.0	42.1	97.9	-55.8	Peak	Horizontal
	4893.0	43.6	6.7	50.3	74.0	-23.7	Peak	Horizontal
	7324.0	37.2	14.0	51.2	74.0	-22.8	Peak	Horizontal
*	1823.5	33.6	0.1	33.7	97.9	-64.2	Peak	Vertical
*	1991.5	39.7	1.0	40.7	97.9	-57.2	Peak	Vertical
	4876.0	38.2	6.6	44.8	74.0	-29.2	Peak	Vertical
	7311.0	32.4	14.0	46.4	74.0	-27.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (117.9dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1918.0	35.6	0.7	36.3	87.5	-51.2	Peak	Horizontal
*	2159.5	37.3	2.7	40.0	87.5	-47.5	Peak	Horizontal
	4904.0	38.3	6.7	45.0	74.0	-29.0	Peak	Horizontal
	7356.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	1772.5	37.3	-0.4	36.9	87.5	-50.6	Peak	Vertical
*	1997.5	40.8	1.0	41.8	87.5	-45.7	Peak	Vertical
	4904.0	36.5	6.7	43.2	74.0	-30.8	Peak	Vertical
	7356.0	34.2	14.0	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.5dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1772.5	37.0	-0.4	36.6	91.7	-55.1	Peak	Horizontal
*	2006.5	36.7	1.1	37.8	91.7	-53.9	Peak	Horizontal
	4844.0	37.0	6.5	43.5	74.0	-30.5	Peak	Horizontal
	7266.0	33.9	13.9	47.8	74.0	-26.2	Peak	Horizontal
*	1727.5	36.9	-0.7	36.2	91.7	-55.5	Peak	Vertical
*	1925.5	36.7	0.7	37.4	91.7	-54.3	Peak	Vertical
	4844.0	36.0	6.5	42.5	74.0	-31.5	Peak	Vertical
	7266.0	33.9	13.9	47.8	74.0	-26.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.7dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1895.5	37.4	0.6	38.0	98.0	-60.0	Peak	Horizontal
*	2036.5	37.1	1.3	38.4	98.0	-59.6	Peak	Horizontal
	4876.0	40.9	6.6	47.5	74.0	-26.5	Peak	Horizontal
	7311.0	34.2	14.0	48.2	74.0	-25.8	Peak	Horizontal
*	1783.0	37.1	-0.3	36.8	98.0	-61.2	Peak	Vertical
*	1993.0	41.3	1.0	42.3	98.0	-55.7	Peak	Vertical
	4876.0	37.1	6.6	43.7	74.0	-30.3	Peak	Vertical
	7311.0	33.9	14.0	47.9	74.0	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.0dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1775.5	37.3	-0.4	36.9	89.6	-52.7	Peak	Horizontal
*	1988.5	38.7	1.0	39.7	89.6	-49.9	Peak	Horizontal
	4904.0	36.6	6.7	43.3	74.0	-30.7	Peak	Horizontal
	7356.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	1859.5	37.0	0.4	37.4	89.6	-52.2	Peak	Vertical
*	1993.0	38.6	1.0	39.6	89.6	-50.0	Peak	Vertical
	4904.0	37.2	6.7	43.9	74.0	-30.1	Peak	Vertical
	7356.0	34.0	14.0	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.6dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1777.0	36.6	-0.4	36.2	93.5	-57.3	Peak	Horizontal
*	1889.5	36.9	0.6	37.5	93.5	-56.0	Peak	Horizontal
	4844.0	36.2	6.5	42.7	74.0	-31.3	Peak	Horizontal
	7266.0	33.9	13.9	47.8	74.0	-26.2	Peak	Horizontal
*	1804.0	36.3	-0.1	36.2	93.5	-57.3	Peak	Vertical
*	1993.0	38.7	1.0	39.7	93.5	-53.8	Peak	Vertical
	4844.0	36.0	6.5	42.5	74.0	-31.5	Peak	Vertical
	7266.0	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.5dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3102.4	35.8	3.5	39.3	98.4	-59.1	Peak	Horizontal
*	4421.1	35.2	5.5	40.7	98.4	-57.7	Peak	Horizontal
	4874.0	35.6	6.6	42.2	74.0	-31.8	Peak	Horizontal
	7311.0	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	3183.5	36.1	3.6	39.7	98.4	-58.7	Peak	Vertical
*	4402.4	34.8	5.5	40.3	98.4	-58.1	Peak	Vertical
	4874.0	36.3	6.6	42.9	74.0	-31.1	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.4dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1891.0	36.5	0.6	37.1	93.0	-55.9	Peak	Horizontal
*	1999.0	36.8	1.1	37.9	93.0	-55.1	Peak	Horizontal
	4904.0	40.5	6.7	47.2	74.0	-26.8	Peak	Horizontal
	7356.0	33.8	14.0	47.8	74.0	-26.2	Peak	Horizontal
*	1774.0	36.7	-0.4	36.3	93.0	-56.7	Peak	Vertical
*	1996.0	39.8	1.0	40.8	93.0	-52.2	Peak	Vertical
	4904.0	35.7	6.7	42.4	74.0	-31.6	Peak	Vertical
	7356.0	34.1	14.0	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.0dBμV/m).

Note 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:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1796.1	35.3	-0.2	35.1	89.5	-54.4	Peak	Horizontal
*	2124.9	36.8	2.3	39.1	89.5	-50.4	Peak	Horizontal
	4824.8	44.2	6.4	50.6	74.0	-23.4	Peak	Horizontal
	7311.3	33.3	14.0	47.3	74.0	-26.7	Peak	Horizontal
*	1829.1	37.3	0.1	37.4	89.5	-52.1	Peak	Vertical
*	2167.4	37.8	2.8	40.6	89.5	-48.9	Peak	Vertical
	4824.1	43.8	6.4	50.2	74.0	-23.8	Peak	Vertical
	7423.2	35.2	14.2	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.5dBμV/m).

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

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

Test Mode:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1996.8	43.3	1.0	44.3	97.1	-52.8	Peak	Horizontal
*	7236.3	35.2	13.8	49.0	97.1	-48.1	Peak	Horizontal
	4874.7	37.7	6.6	44.3	74.0	-29.7	Peak	Horizontal
	7311.3	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	1862.4	35.3	0.4	35.7	97.1	-61.4	Peak	Vertical
*	7236.1	34.4	13.8	48.2	97.1	-48.9	Peak	Vertical
	4875.2	44.3	6.6	50.9	74.0	-23.1	Peak	Vertical
	7311.3	36.2	14.0	50.2	74.0	-23.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (117.1dBμV/m).

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

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

Test Mode:	802.11b – Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1815.2	37.3	0.1	37.4	88.1	-50.7	Peak	Horizontal
*	2147.6	36.2	2.6	38.8	88.1	-49.3	Peak	Horizontal
	4927.1	45.3	6.7	52.0	74.0	-22.0	Peak	Horizontal
	7392.0	36.8	14.1	50.9	74.0	-23.1	Peak	Horizontal
*	2092.0	37.1	2.0	38.5	88.1	-49.6	Peak	Vertical
*	7239.0	39.2	13.8	52.6	88.1	-35.5	Peak	Vertical
	4927.0	45.6	6.7	52.3	74.0	-21.7	Peak	Vertical
	7386.0	36.7	14.1	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.1dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1845.3	36.3	0.3	36.6	88.5	-51.9	Peak	Horizontal
*	2130.2	36.7	2.4	39.1	88.5	-49.4	Peak	Horizontal
	4824.8	41.6	6.4	47.7	74.0	-26.3	Peak	Horizontal
	7495.6	34.6	14.4	48.4	74.0	-25.6	Peak	Horizontal
*	1833.1	40.3	0.2	40.0	88.5	-48.5	Peak	Vertical
*	7235.1	34.2	13.8	47.9	88.5	-40.6	Peak	Vertical
	4824.6	44.3	6.4	50.1	74.0	-23.9	Peak	Vertical
	7512.3	34.7	14.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.5dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1772.3	36.5	-0.4	36.1	97.0	-60.9	Peak	Horizontal
*	1989.3	39.2	1.0	40.2	97.0	-56.8	Peak	Horizontal
	4874.8	41.8	6.6	48.4	74.0	-25.6	Peak	Horizontal
	7310.4	40.2	14.0	54.2	74.0	-19.8	Peak	Horizontal
	7310.4	35.1	14.0	49.1	54.0	-4.9	Average	Horizontal
*	1800.3	37.2	-0.1	37.1	97.0	-59.9	Peak	Vertical
*	1988.3	38.4	1.0	39.4	97.0	-57.6	Peak	Vertical
	4875.1	41.7	6.6	48.3	74.0	-25.7	Peak	Vertical
	7307.6	37.1	14.0	51.1	74.0	-22.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (117.0dBμV/m).

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1811.3	38.2	0.1	38.3	89.1	-50.8	Peak	Horizontal
*	2031.2	37.3	1.3	38.6	89.1	-50.5	Peak	Horizontal
	4926.6	42.3	6.7	49.0	74.0	-25.0	Peak	Horizontal
	7374.6	38.6	14.1	52.7	74.0	-21.3	Peak	Horizontal
*	1832.3	37.1	0.2	37.3	89.1	-51.8	Peak	Vertical
*	1990.3	39.2	1.0	40.2	89.1	-48.9	Peak	Vertical
	4926.6	38.7	6.7	45.4	74.0	-28.6	Peak	Vertical
	7375.1	36.4	14.1	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.1dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1814.3	36.8	0.0	36.8	92.2	-55.4	Peak	Horizontal
*	1953.4	37.2	0.8	38.0	92.2	-54.2	Peak	Horizontal
	4824.3	36.9	6.4	43.3	74.0	-30.7	Peak	Horizontal
	7723.8	34.2	14.5	48.7	74.0	-25.3	Peak	Horizontal
*	4876.3	42.6	6.6	49.2	92.2	-43.0	Peak	Vertical
*	7307.4	38.2	14.0	52.2	92.2	-40.0	Peak	Vertical
	4824.2	38.1	6.4	44.5	74.0	-29.5	Peak	Vertical
	7480.8	35.4	14.3	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.2dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1974.2	36.3	0.9	37.2	100.2	-63.0	Peak	Horizontal
*	7240.2	36.3	13.8	50.1	100.2	-50.1	Peak	Horizontal
	4875.6	41.5	6.6	48.1	74.0	-25.9	Peak	Horizontal
	7308.2	37.3	14.1	51.4	74.0	-22.6	Peak	Horizontal
*	1999.6	43.1	1.1	44.2	100.2	-56.0	Peak	Vertical
*	7236.1	36.2	13.8	50.0	100.2	-50.2	Peak	Vertical
	4875.3	41.3	6.6	47.9	74.0	-26.1	Peak	Vertical
	7310.8	35.8	14.1	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (120.2dBμV/m).

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

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

Test Mode:	802.11g – Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3176.5	36.5	3.6	40.1	91.0	-50.9	Peak	Horizontal
*	4404.2	35.3	5.5	40.8	91.0	-50.2	Peak	Horizontal
	4924.0	36.4	6.7	43.1	74.0	-30.9	Peak	Horizontal
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Horizontal
*	3240.5	36.2	3.4	39.6	91.0	-51.4	Peak	Vertical
*	4493.5	36.4	5.6	42.0	91.0	-49.0	Peak	Vertical
	4926.8	41.3	6.7	48.0	74.0	-26.0	Peak	Vertical
	7386.0	36.3	14.1	50.4	74.0	-23.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.0dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1811.3	35.8	0.1	35.9	91.8	-55.9	Peak	Horizontal
*	2001.2	36.1	1.1	37.2	91.8	-54.6	Peak	Horizontal
	4874.0	35.9	6.6	42.5	74.0	-31.5	Peak	Horizontal
	7366.2	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	1834.6	38.5	0.2	38.7	91.8	-53.1	Peak	Vertical
*	1985.7	38.9	1.1	40.0	91.8	-51.8	Peak	Vertical
	4824.6	44.2	6.4	50.6	74.0	-23.4	Peak	Vertical
	7254.3	35.4	13.9	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.8dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1773.6	36.7	-0.4	36.3	96.2	-59.9	Peak	Horizontal
*	1820.3	36.5	0.6	37.1	96.2	-59.1	Peak	Horizontal
	4876.2	37.9	6.6	44.5	74.0	-29.5	Peak	Horizontal
	7307.1	38.2	14.0	52.2	74.0	-21.8	Peak	Horizontal
*	1809.1	38.7	-0.1	38.6	96.2	-57.6	Peak	Vertical
*	1995.1	37.6	1.0	38.6	96.2	-57.6	Peak	Vertical
	4876.8	42.6	6.6	49.2	74.0	-24.8	Peak	Vertical
	7307.7	37.8	14.0	51.8	74.0	-22.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (116.2dBμV/m).

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1803.6	35.6	-0.1	35.5	91.4	-55.9	Peak	Horizontal
*	1986.1	36.7	1.2	37.9	91.4	-53.5	Peak	Horizontal
	4924.5	38.2	6.7	44.9	74.0	-29.1	Peak	Horizontal
	7386.3	36.2	14.1	50.3	74.0	-23.7	Peak	Horizontal
*	1775.8	39.6	-0.2	39.4	91.4	-52.0	Peak	Vertical
*	1999.8	36.4	1.1	37.5	91.4	-53.9	Peak	Vertical
	4924.0	40.6	6.7	47.3	74.0	-26.7	Peak	Vertical
	7386.0	36.4	14.1	50.5	74.0	-23.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.4dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	2035.3	35.6	1.3	36.9	89.9	-53.0	Peak	Horizontal
*	7238.6	36.5	13.8	50.3	89.9	-39.6	Peak	Horizontal
	4825.4	39.2	6.4	45.6	74.0	-28.4	Peak	Horizontal
	7462.8	34.2	14.2	48.4	74.0	-25.6	Peak	Horizontal
*	1989.8	38.2	1.0	39.2	89.9	-50.7	Peak	Vertical
*	7238.8	36.2	13.8	50.0	89.9	-39.9	Peak	Vertical
	4825.6	41.2	6.4	47.6	74.0	-26.4	Peak	Vertical
	7573.4	33.6	14.7	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.9dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1824.3	35.4	0.2	35.6	95.8	-60.2	Peak	Horizontal
*	1993.4	42.3	1.1	43.4	95.8	-52.4	Peak	Horizontal
	4894.3	44.8	6.7	51.5	74.0	-22.5	Peak	Horizontal
	7326.5	35.9	14.2	50.1	74.0	-23.9	Peak	Horizontal
*	1824.3	34.1	0.2	34.3	95.8	-61.5	Peak	Vertical
*	1992.2	40.2	1.1	41.3	95.8	-54.5	Peak	Vertical
	4875.6	38.9	6.6	45.5	74.0	-28.5	Peak	Vertical
	7311.0	33.1	14.0	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.8dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1806.3	34.5	0.3	36.8	91.0	-54.2	Peak	Horizontal
*	2012.4	37.6	1.1	37.7	91.0	-53.3	Peak	Horizontal
	4926.7	45.8	6.7	52.7	74.0	-21.3	Peak	Horizontal
	7375.1	38.4	14.1	53.0	74.0	-21.0	Peak	Horizontal
*	1820.3	36.8	0.0	37.0	91.0	-54.0	Peak	Vertical
*	1993.5	36.7	1.1	37.4	91.0	-53.6	Peak	Vertical
	4926.5	40.2	6.7	46.3	74.0	-27.7	Peak	Vertical
	7396.3	37.8	14.2	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.0dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3203.6	36.2	3.5	39.7	86.3	-46.6	Peak	Horizontal
*	4422.6	35.3	5.4	40.7	86.3	-45.6	Peak	Horizontal
	4825.0	38.6	6.4	45.0	74.0	-29.0	Peak	Horizontal
	7236.0	36.2	13.8	50.0	74.0	-24.0	Peak	Horizontal
*	3253.6	35.1	3.6	38.7	86.3	-47.6	Peak	Vertical
*	4427.1	36.2	5.5	41.7	86.3	-44.6	Peak	Vertical
	4816.5	41.2	6.4	47.6	74.0	-26.4	Peak	Vertical
	7236.0	36.8	13.8	50.6	74.0	-23.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3283.5	36.2	3.3	39.5	93.5	-54.0	Peak	Horizontal
*	4424.3	35.8	5.5	41.3	93.5	-52.2	Peak	Horizontal
	4874.0	35.9	6.6	42.5	74.0	-31.5	Peak	Horizontal
	7311.0	35.6	14.0	49.6	74.0	-24.4	Peak	Horizontal
*	3241.3	36.1	3.4	39.5	93.5	-54.0	Peak	Vertical
*	4403.2	35.2	5.5	40.7	93.5	-52.8	Peak	Vertical
	4876.0	40.3	6.6	46.9	74.0	-27.1	Peak	Vertical
	7311.0	36.3	14.0	50.3	74.0	-23.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.5dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3216.3	35.6	3.5	39.1	90.5	-51.4	Peak	Horizontal
*	4493.6	36.8	5.6	42.4	90.5	-48.1	Peak	Horizontal
	4924.0	35.6	6.7	42.3	74.0	-31.7	Peak	Horizontal
	7386.0	36.2	14.1	50.3	74.0	-23.7	Peak	Horizontal
*	3196.3	36.7	3.5	40.2	90.5	-50.3	Peak	Vertical
*	4403.5	35.1	5.5	40.6	90.5	-49.9	Peak	Vertical
	4927.0	38.3	6.7	45.0	74.0	-29.0	Peak	Vertical
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.5dBμV/m).

Note 2: Measure 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:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3202.5	35.7	3.5	39.2	91.4	-52.2	Peak	Horizontal
*	4423.6	36.4	5.5	41.9	91.4	-49.5	Peak	Horizontal
	4825.6	38.1	6.5	44.6	74.0	-29.4	Peak	Horizontal
	7236.5	36.6	13.8	50.4	74.0	-23.6	Peak	Horizontal
*	3153.2	36.2	3.6	39.8	91.4	-51.6	Peak	Vertical
*	4427.1	35.9	5.6	41.5	91.4	-49.9	Peak	Vertical
	4815.6	42.1	6.3	48.4	74.0	-25.6	Peak	Vertical
	7236.0	36.3	13.8	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.4dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3142.3	37.2	3.6	40.8	92.1	-51.3	Peak	Horizontal
*	4412.3	36.2	5.5	41.7	92.1	-50.4	Peak	Horizontal
	4874.0	35.6	6.6	42.2	74.0	-31.8	Peak	Horizontal
	7311.0	36.2	14.0	50.2	74.0	-23.8	Peak	Horizontal
*	3172.3	36.1	3.6	39.7	92.1	-52.4	Peak	Vertical
*	4419.9	36.2	5.5	41.7	92.1	-50.4	Peak	Vertical
	4867.5	39.6	6.6	46.2	74.0	-27.8	Peak	Vertical
	7213.5	38.4	13.7	52.1	74.0	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.1dBμV/m).

Note 2: Measure 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:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1893.0	36.1	0.6	36.7	90.6	-53.9	Peak	Horizontal
*	1999.0	36.3	1.1	37.4	90.6	-53.2	Peak	Horizontal
	4924.0	37.2	6.7	43.9	74.0	-30.1	Peak	Horizontal
	7386.0	36.5	14.0	50.5	74.0	-23.5	Peak	Horizontal
*	1774.0	36.7	-0.4	36.3	90.6	-54.3	Peak	Vertical
*	1996.6	39.8	1.0	40.8	90.6	-49.8	Peak	Vertical
	4924.0	37.8	6.7	44.5	74.0	-29.5	Peak	Vertical
	7386.0	35.6	14.0	49.6	74.0	-24.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.6dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3102.1	35.1	3.5	38.6	83.3	-44.7	Peak	Horizontal
*	4421.8	35.2	5.5	40.7	83.3	-42.6	Peak	Horizontal
	4844.0	36.3	6.5	42.8	74.0	-31.2	Peak	Horizontal
	7266.0	33.2	13.9	47.1	74.0	-26.9	Peak	Horizontal
*	3183.3	36.1	3.6	39.7	83.3	-43.6	Peak	Vertical
*	4402.1	34.8	5.5	40.3	83.3	-43.0	Peak	Vertical
	4844.6	35.3	6.5	41.8	74.0	-32.2	Peak	Vertical
	7266.1	33.1	13.9	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.3dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1775.5	37.5	-0.4	37.1	89.5	-52.4	Peak	Horizontal
*	2045.5	36.4	1.4	37.8	89.5	-51.7	Peak	Horizontal
	4876.0	41.0	6.6	47.6	74.0	-26.4	Peak	Horizontal
	7324.0	39.5	14.0	53.5	74.0	-20.5	Peak	Horizontal
*	1802.5	36.8	-0.1	36.7	89.5	-52.8	Peak	Vertical
*	1996.0	36.3	1.0	37.3	89.5	-52.2	Peak	Vertical
	4876.0	38.6	6.6	45.2	74.0	-28.8	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.5dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1772.2	37.0	-0.4	36.6	81.9	-45.3	Peak	Horizontal
*	2005.1	36.7	1.1	37.8	81.9	-44.1	Peak	Horizontal
	4904.0	36.1	6.7	42.8	74.0	-31.2	Peak	Horizontal
	7356.2	34.3	14.0	48.3	74.0	-25.7	Peak	Horizontal
*	1727.5	36.9	-0.7	36.2	81.9	-45.7	Peak	Vertical
*	1925.5	36.7	0.7	37.4	81.9	-44.5	Peak	Vertical
	4904.6	37.2	6.7	43.9	74.0	-30.1	Peak	Vertical
	7356.0	34.6	14.0	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.9dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3187.1	36.2	3.6	39.8	82.2	-42.4	Peak	Horizontal
*	4413.0	35.8	5.5	41.3	82.2	-40.9	Peak	Horizontal
	4843.5	35.4	6.5	41.9	74.0	-32.1	Peak	Horizontal
	7266.3	35.2	13.9	49.1	74.0	-24.9	Peak	Horizontal
*	3282.1	33.8	3.3	37.1	82.2	-45.1	Peak	Vertical
*	4412.7	35.6	5.5	41.1	82.2	-41.1	Peak	Vertical
	4844.5	35.1	6.5	41.6	74.0	-32.4	Peak	Vertical
	7266.0	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.2dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1896.0	37.8	0.6	38.4	88.5	-50.1	Peak	Horizontal
*	2036.2	36.1	1.3	37.4	88.5	-51.1	Peak	Horizontal
	4875.8	39.2	6.6	45.8	74.0	-28.2	Peak	Horizontal
	7313.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	1783.8	37.1	-0.3	36.8	88.5	-51.7	Peak	Vertical
*	1993.2	40.2	1.0	41.2	88.5	-47.3	Peak	Vertical
	4878.0	37.6	6.6	44.2	74.0	-29.8	Peak	Vertical
	7311.5	33.9	14.0	47.9	74.0	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.5dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1776.4	37.4	-0.4	37.0	82.5	-45.5	Peak	Horizontal
*	1889.1	35.7	0.6	36.3	82.5	-46.2	Peak	Horizontal
	4904.4	37.3	6.7	44.0	74.0	-30.0	Peak	Horizontal
	7356.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	1804.4	36.3	-0.1	36.2	82.5	-46.3	Peak	Vertical
*	1993.0	38.7	1.0	39.7	82.5	-42.8	Peak	Vertical
	4904.7	36.1	6.7	42.8	74.0	-31.2	Peak	Vertical
	7356.4	34.2	14.0	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.5dBμV/m).

Note 2: Measure 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:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3104.1	35.9	3.5	39.4	85.3	-45.9	Peak	Horizontal
*	4412.4	35.5	5.5	41.0	85.3	-44.3	Peak	Horizontal
	4844.0	36.8	6.5	43.3	74.0	-30.7	Peak	Horizontal
	7266.0	33.9	13.9	47.8	74.0	-26.2	Peak	Horizontal
*	3256.1	36.6	3.3	39.9	85.3	-45.4	Peak	Vertical
*	4472.8	36.8	5.6	42.4	85.3	-42.9	Peak	Vertical
	4844.0	36.2	6.5	42.7	74.0	-31.3	Peak	Vertical
	7266.0	33.1	13.9	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.3dBμV/m).

Note 2: Measure 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:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1920.0	35.1	0.7	35.8	90.2	-54.4	Peak	Horizontal
*	2161.3	36.7	2.7	39.4	90.2	-50.8	Peak	Horizontal
	4874.0	36.2	6.6	42.8	74.0	-31.2	Peak	Horizontal
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	1772.2	37.1	-0.4	36.7	90.2	-53.5	Peak	Vertical
*	1995.3	39.8	1.0	40.8	90.2	-49.4	Peak	Vertical
	4874.0	36.1	6.6	42.7	74.0	-31.3	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.2dBμV/m).

Note 2: Measure 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:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	1771.1	35.4	-0.4	35.0	84.0	-49.0	Peak	Horizontal
*	1990.3	36.2	1.0	37.2	84.0	-46.8	Peak	Horizontal
	4904.5	35.8	6.7	42.5	74.0	-31.5	Peak	Horizontal
	7358.6	33.2	14.0	47.2	74.0	-26.8	Peak	Horizontal
*	1860.0	36.4	0.4	36.8	84.0	-47.2	Peak	Vertical
*	1995.2	35.1	1.0	36.1	84.0	-47.9	Peak	Vertical
	4904.1	36.3	6.7	43.0	74.0	-31.0	Peak	Vertical
	7353.5	35.1	14.0	49.1	74.0	-24.9	Peak	Vertical

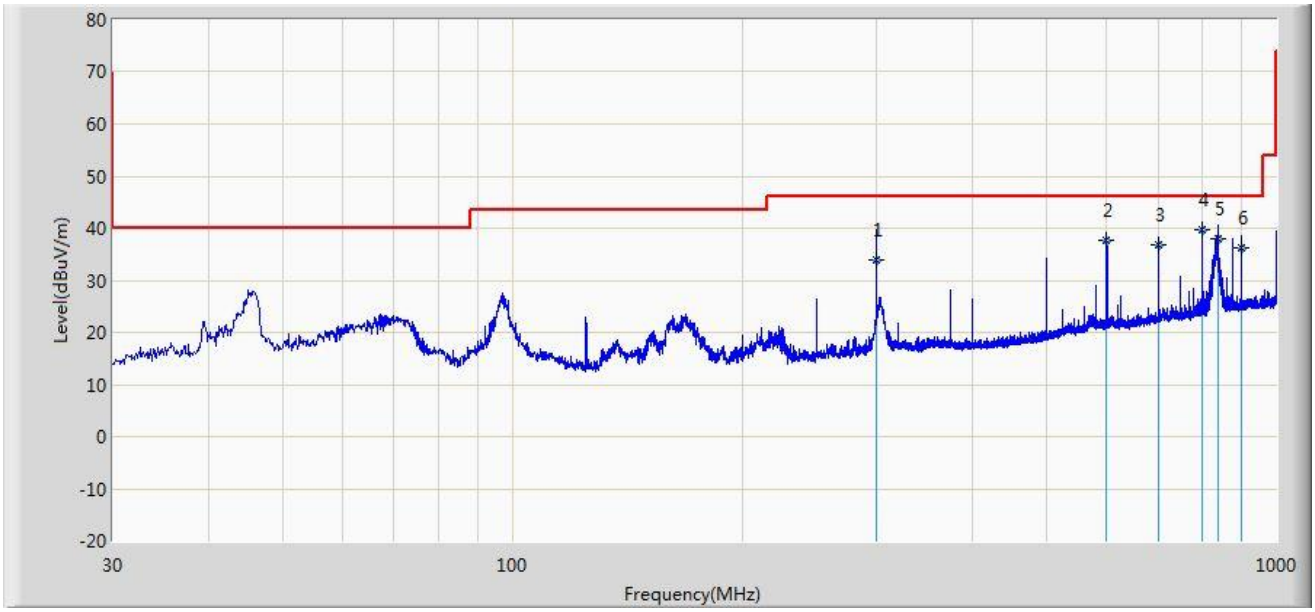
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.0dBμV/m).

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: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2437MHz by 802.11b	

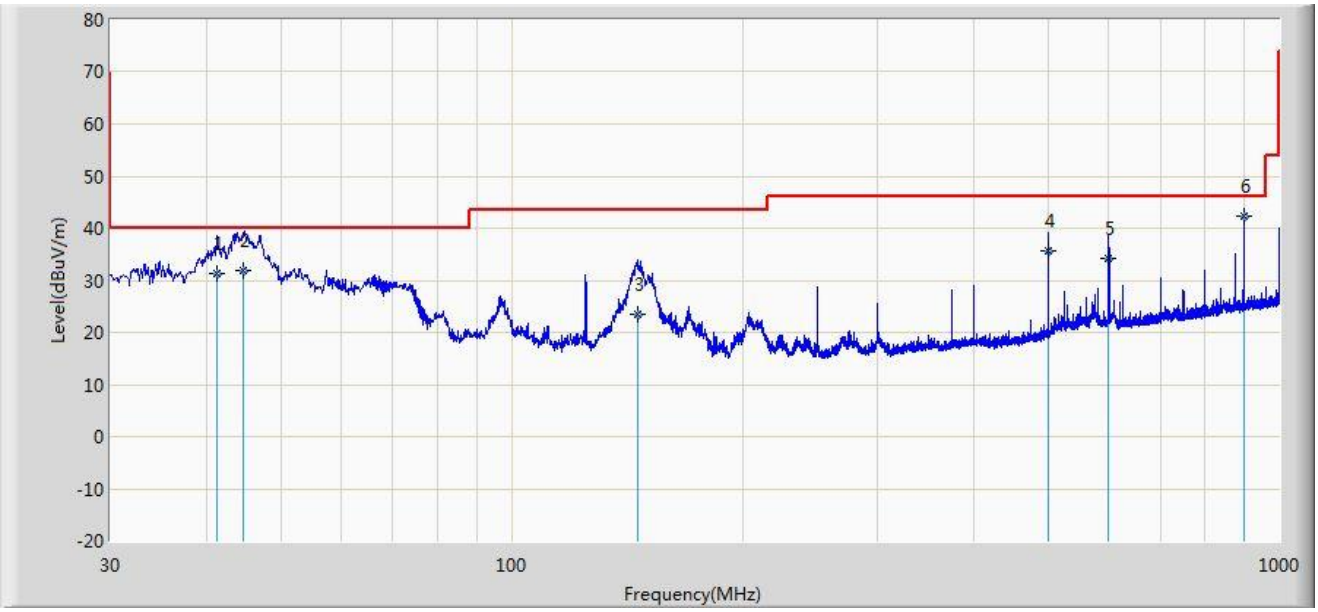


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			300.000	33.825	19.700	-12.175	46.000	14.125	QP
2			600.000	37.540	18.100	-8.460	46.000	19.441	QP
3			700.000	36.886	16.000	-9.114	46.000	20.886	QP
4		*	800.000	39.610	17.500	-6.390	46.000	22.109	QP
5			840.000	38.002	15.300	-7.998	46.000	22.702	QP
6			900.001	36.319	13.000	-9.681	46.000	23.319	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit at channel 2437MHz by 802.11b	

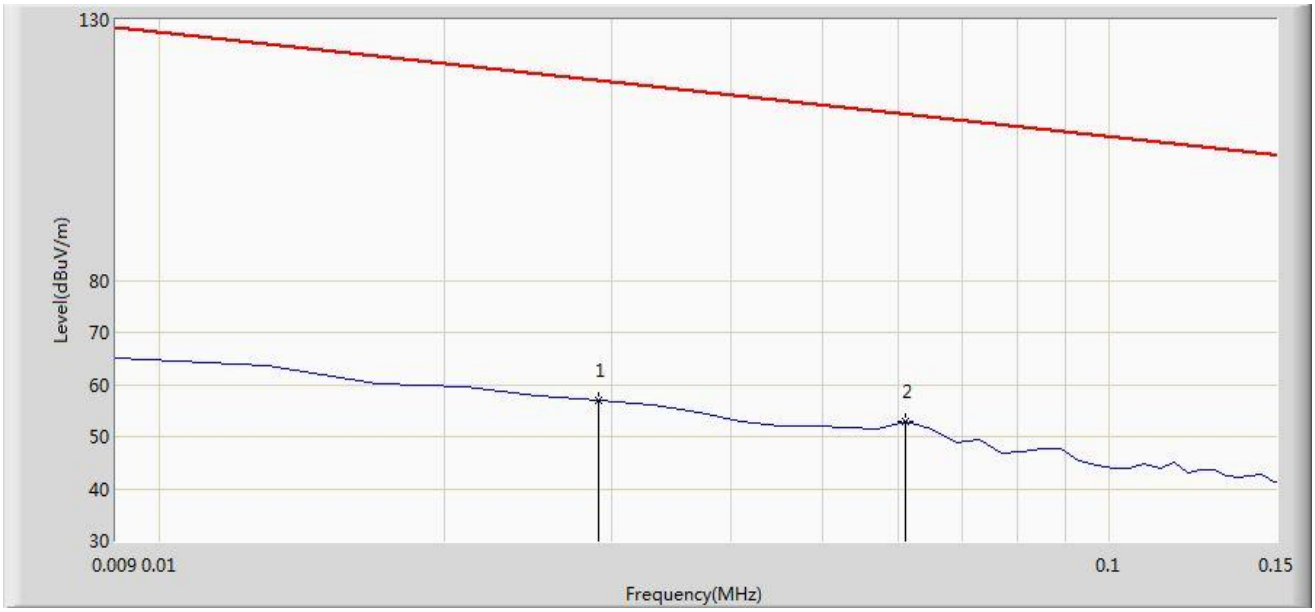


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			41.276	31.351	17.395	-8.649	40.000	13.955	QP
2			44.792	31.909	17.300	-8.091	40.000	14.608	QP
3			146.036	23.358	14.200	-20.142	43.500	9.158	QP
4			500.020	35.642	17.900	-10.358	46.000	17.742	QP
5			600.000	34.140	14.700	-11.860	46.000	19.441	QP
6		*	899.990	42.319	19.000	-3.681	46.000	23.319	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

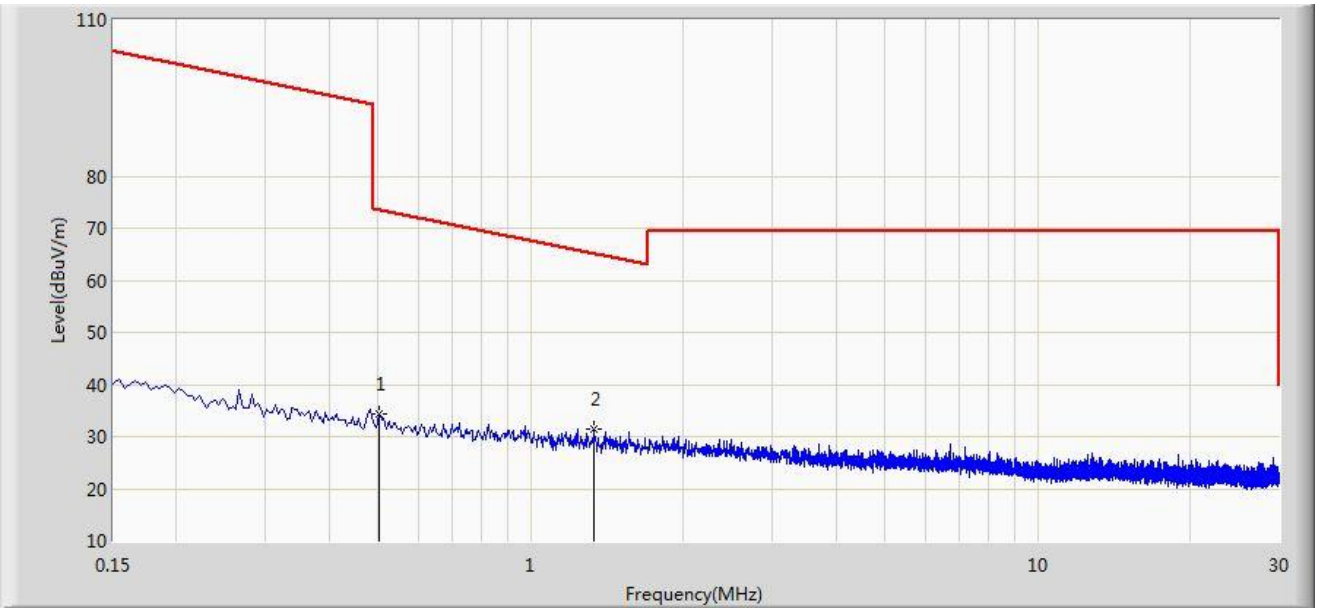


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			0.029	56.898	35.849	-61.444	118.342	21.049	PK
2		*	0.061	52.856	32.545	-59.031	111.887	20.311	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 17:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

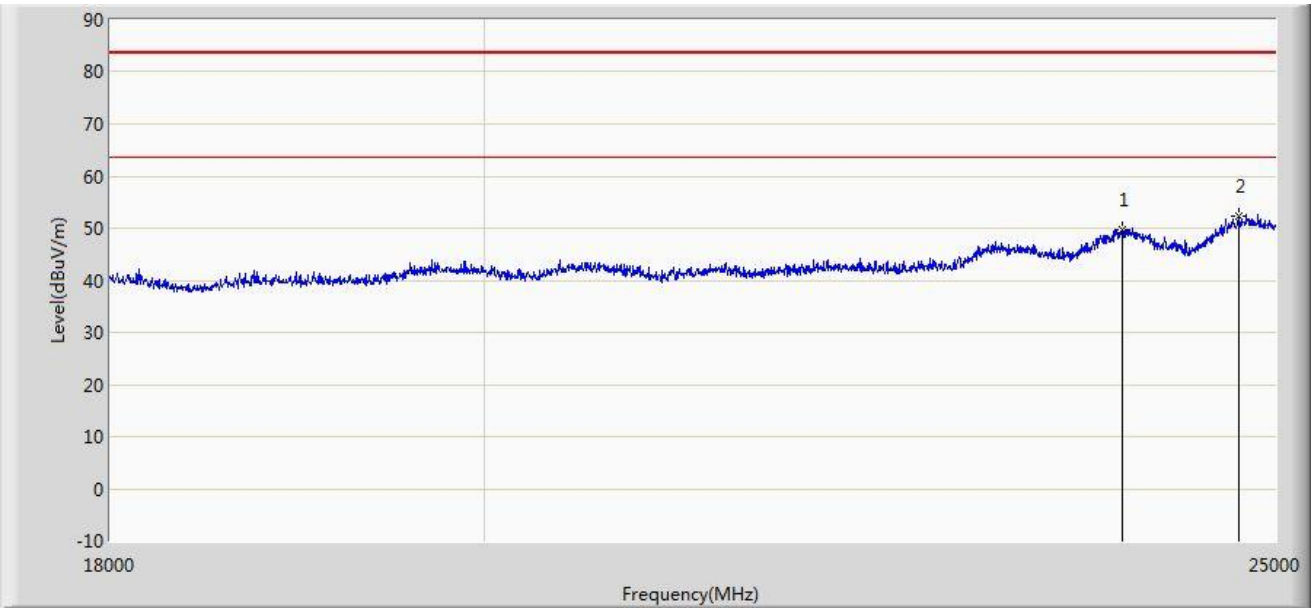


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			0.502	34.381	13.958	-39.209	73.590	20.423	PK
2		*	1.334	31.591	11.100	-33.534	65.125	20.491	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 21:11
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	

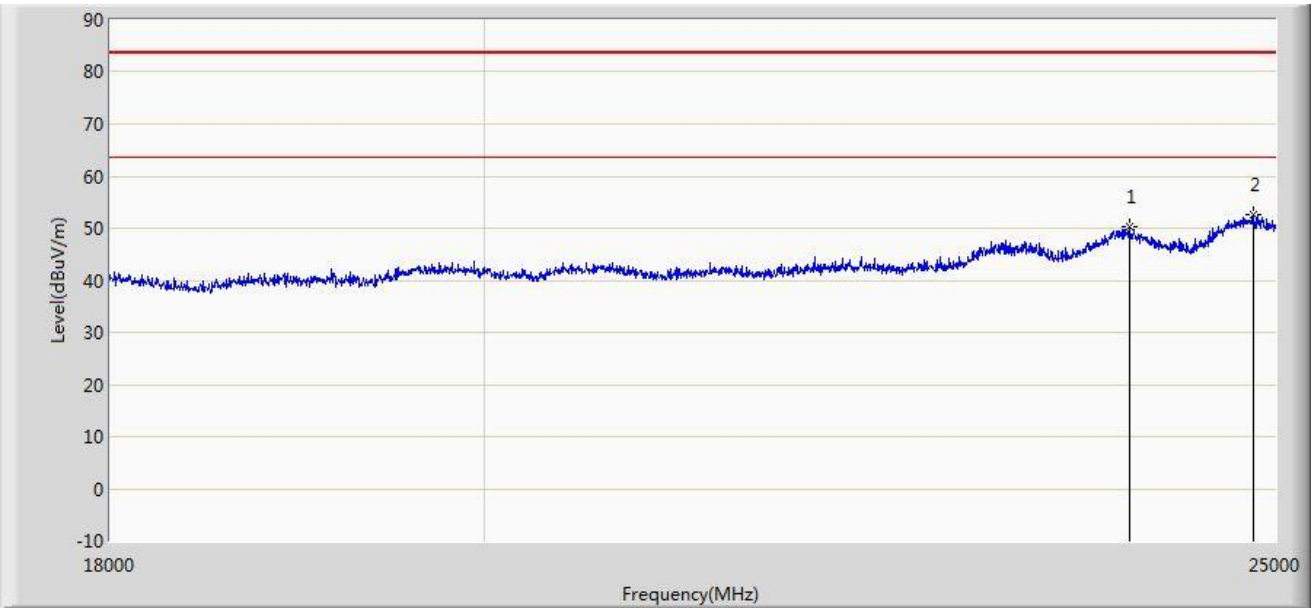


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			23943.000	49.787	35.877	-33.713	83.500	13.910	PK
2		*	24741.000	52.380	37.686	-31.120	83.500	14.694	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/11 - 21:12
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			23999.000	50.381	36.437	-33.119	83.500	13.944	PK
2		*	24846.000	52.507	37.739	-30.993	83.500	14.768	PK

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

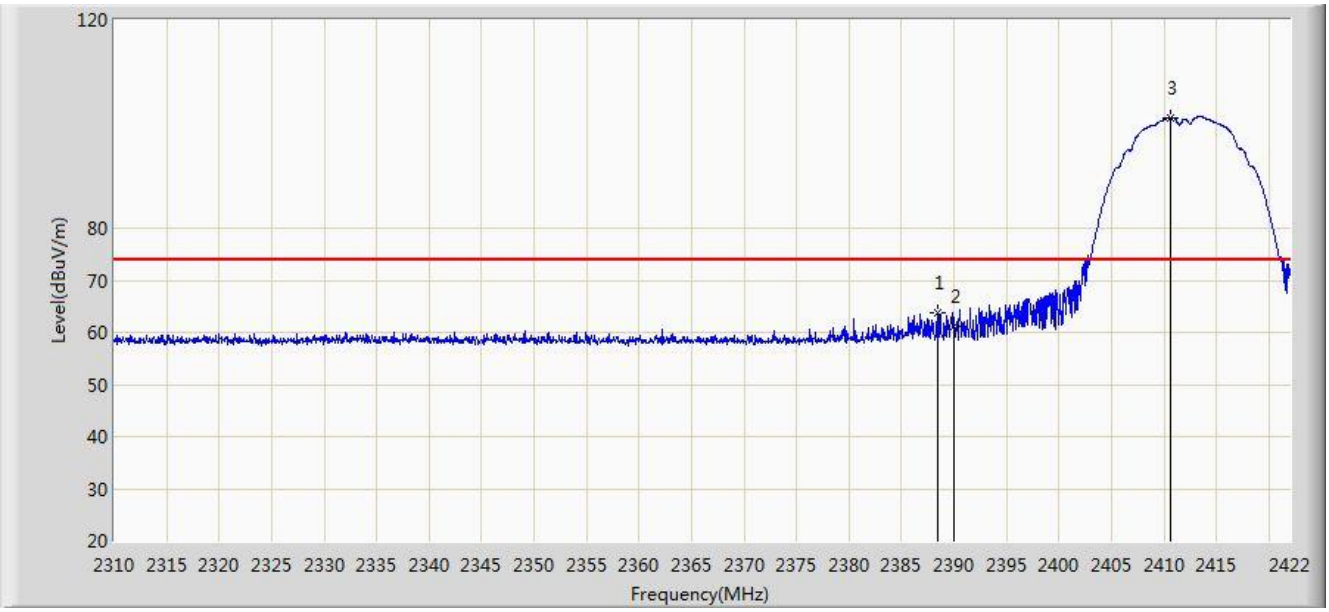
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre_Amplifier Gain (dB)

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Test by Panel Antenna – 11dBi

Engineer: Milo Li	
Site: AC1	Time: 2014/08/20 - 16:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 0	

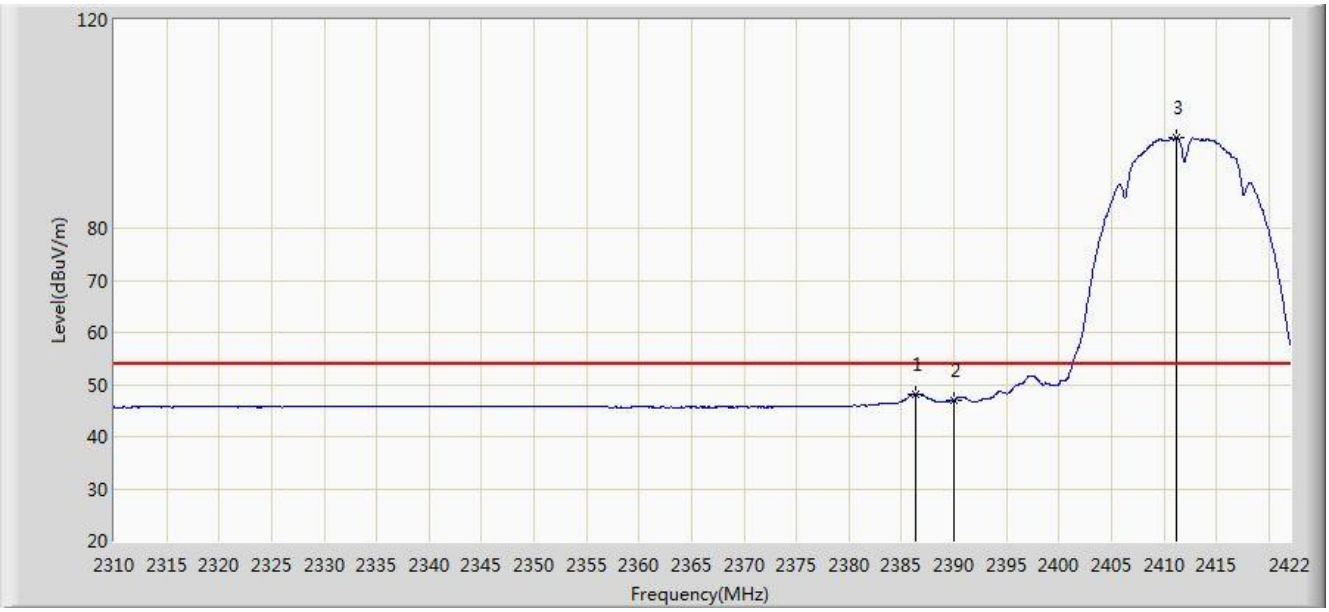


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.456	63.670	32.983	-10.330	74.000	30.687	PK
2			2390.000	61.096	30.412	-12.904	74.000	30.684	PK
3		*	2410.632	101.191	70.544	N/A	N/A	30.647	PK

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: 2014/08/20 - 16:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 0	

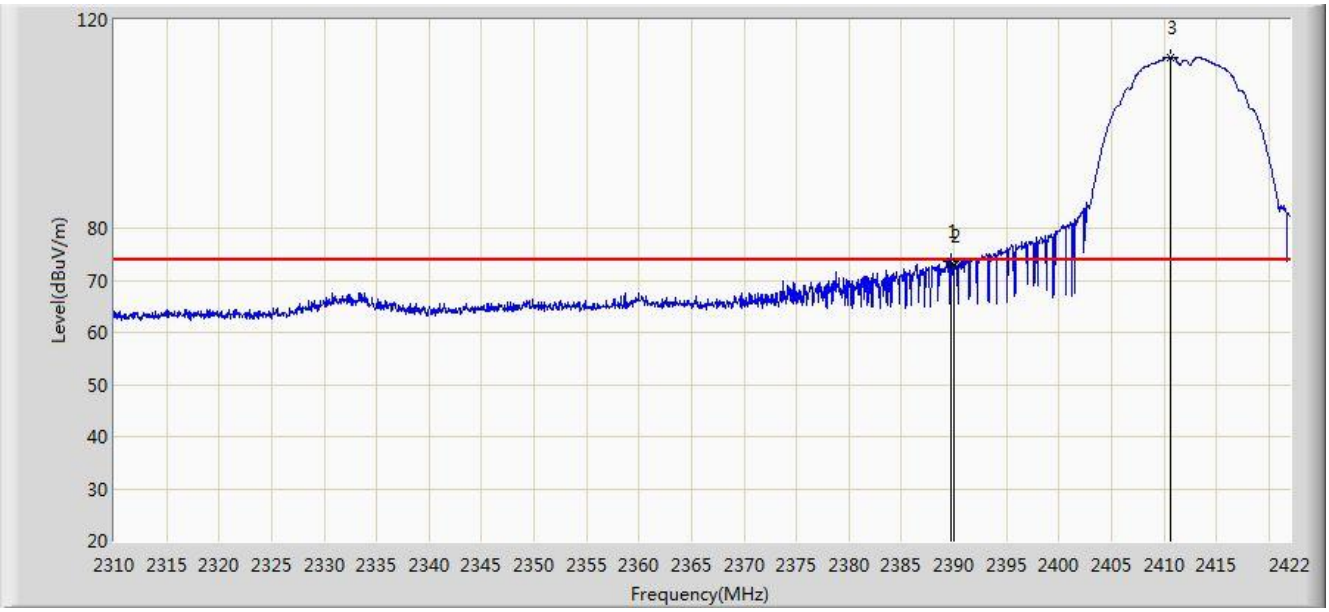


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.384	48.242	17.550	-5.758	54.000	30.692	AV
2			2390.000	47.046	16.362	-6.954	54.000	30.684	AV
3		*	2411.192	97.507	66.861	N/A	N/A	30.646	AV

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: 2014/08/20 - 16:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 0	

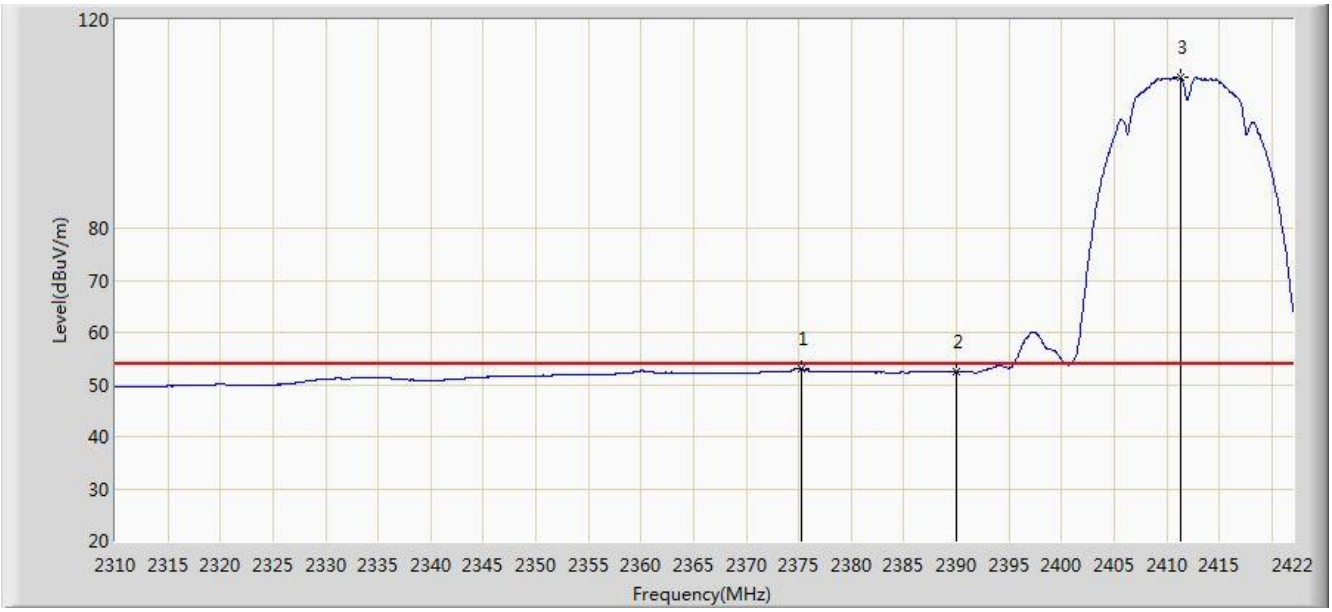


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.688	73.591	42.907	-0.409	74.000	30.685	PK
2			2390.000	72.861	42.177	-1.139	74.000	30.684	PK
3		*	2410.632	112.773	82.126	N/A	N/A	30.647	PK

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: 2014/08/20 - 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 0	

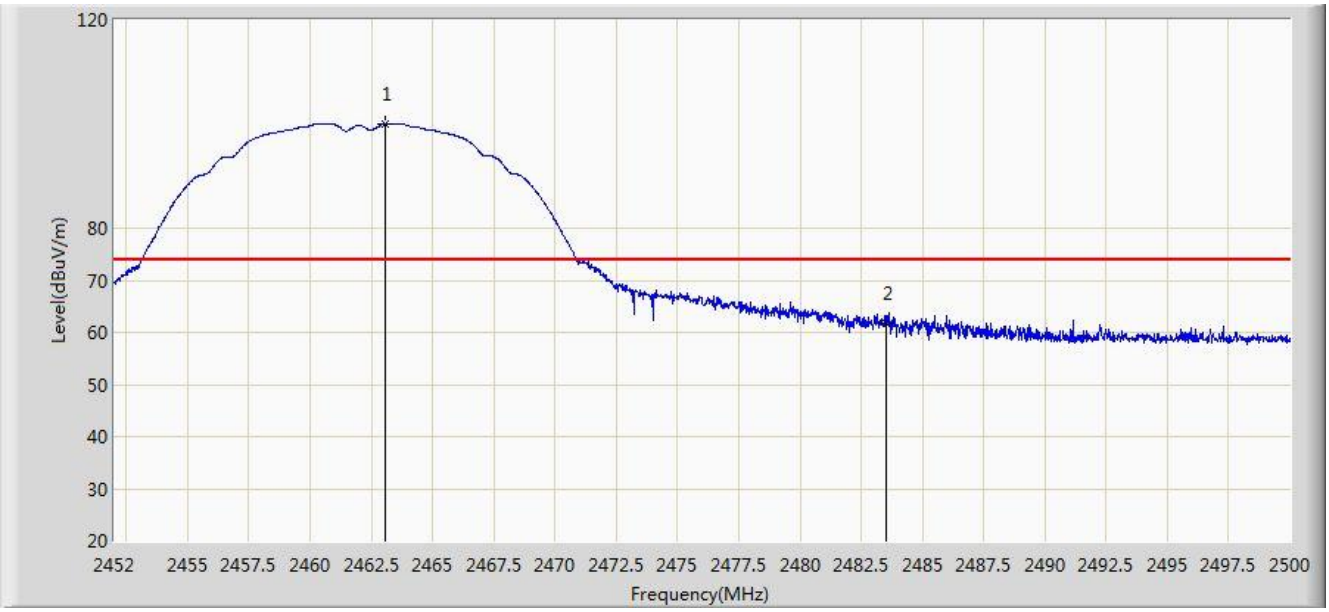


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2375.240	52.996	22.278	-1.004	54.000	30.717	AV
2			2390.000	52.389	21.705	-1.611	54.000	30.684	AV
3		*	2411.304	109.029	78.383	N/A	N/A	30.646	AV

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: 2014/08/20 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.088	100.038	69.424	N/A	N/A	30.613	PK
2			2483.500	61.819	31.146	-12.181	74.000	30.673	PK

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

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

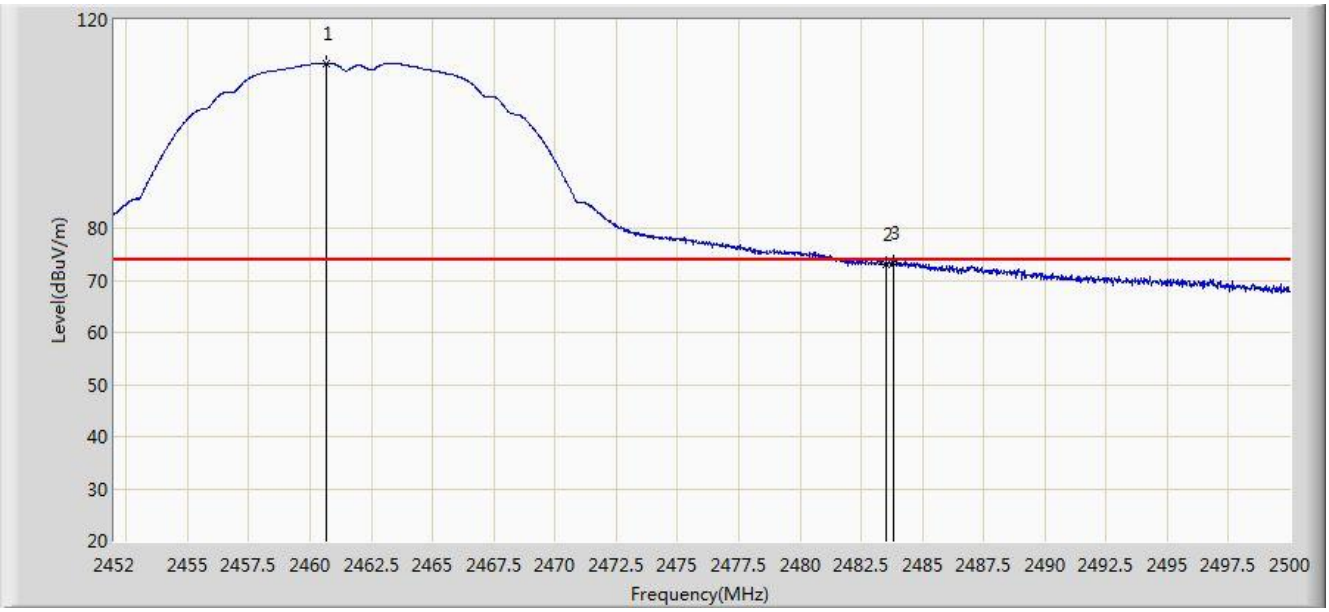
Engineer: Milo Li	
Site: AC1	Time: 2014/08/20 - 16:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	96.020	65.410	N/A	N/A	30.611	AV
2			2483.500	45.869	15.196	-8.131	54.000	30.673	AV

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: 2014/08/20 - 16:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 0	

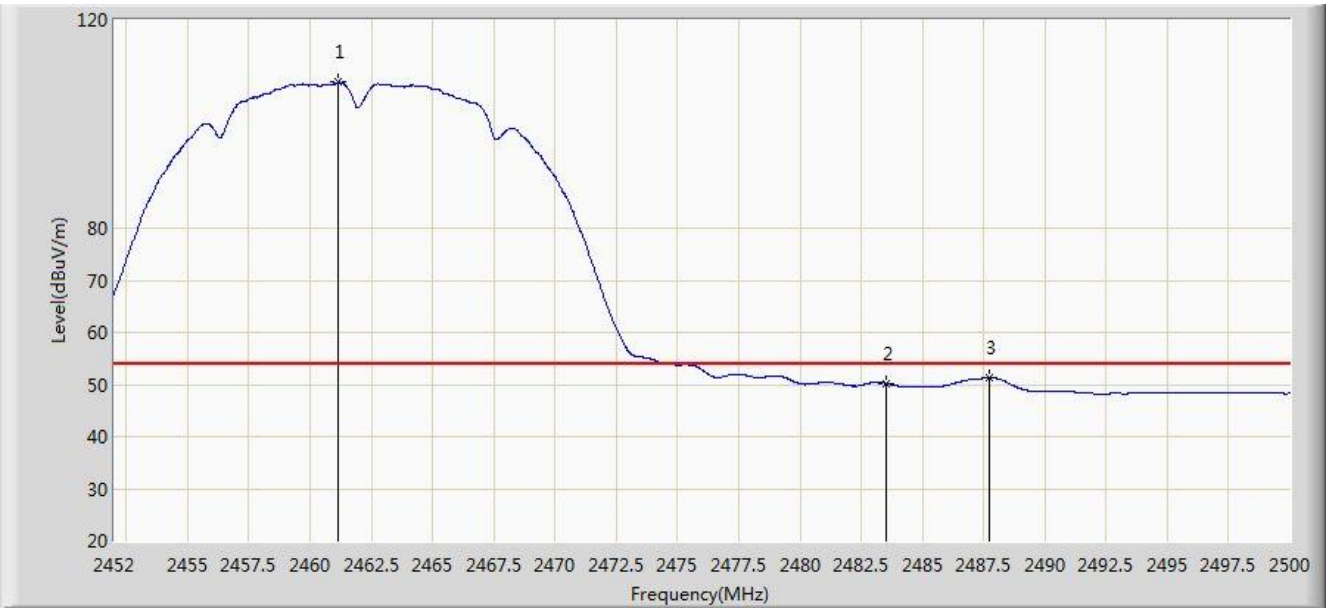


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.640	111.718	81.109	N/A	N/A	30.609	PK
2			2483.500	73.175	42.502	-0.825	74.000	30.673	PK
3			2483.848	73.276	42.602	-0.724	74.000	30.673	PK

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: 2014/08/20 - 16:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 0	

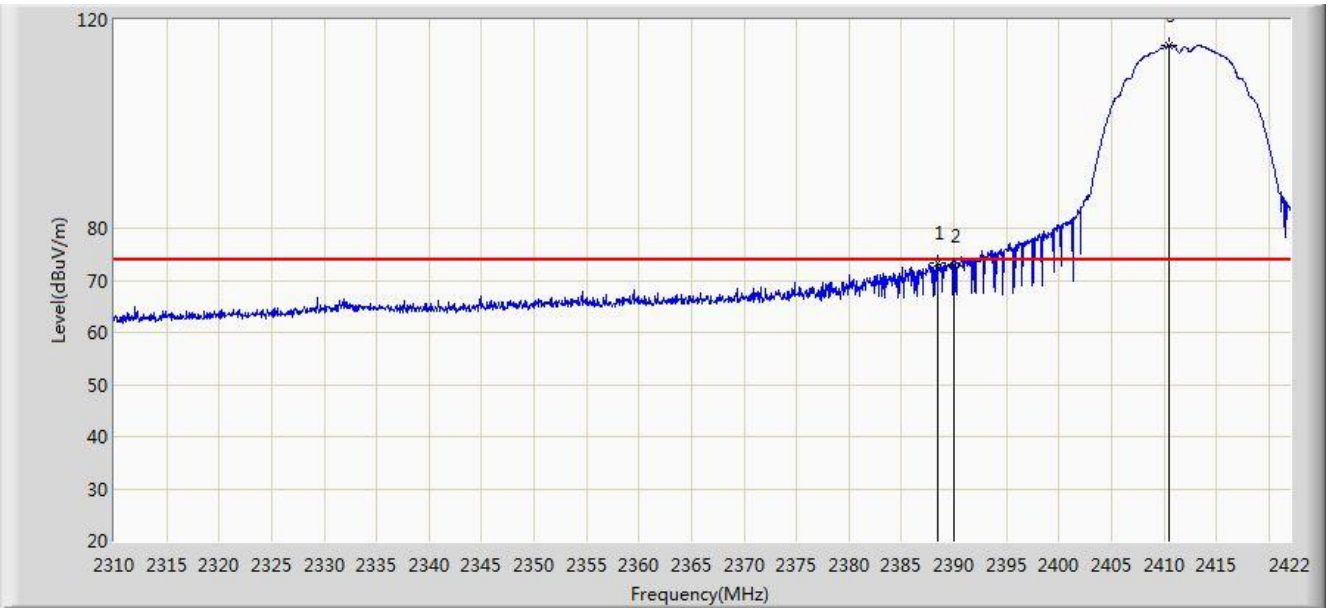


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	107.979	77.369	N/A	N/A	30.611	AV
2			2483.500	50.239	19.566	-3.761	54.000	30.673	AV
3			2487.736	51.263	20.578	-2.737	54.000	30.685	AV

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: 2014/08/20 - 16:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 1	

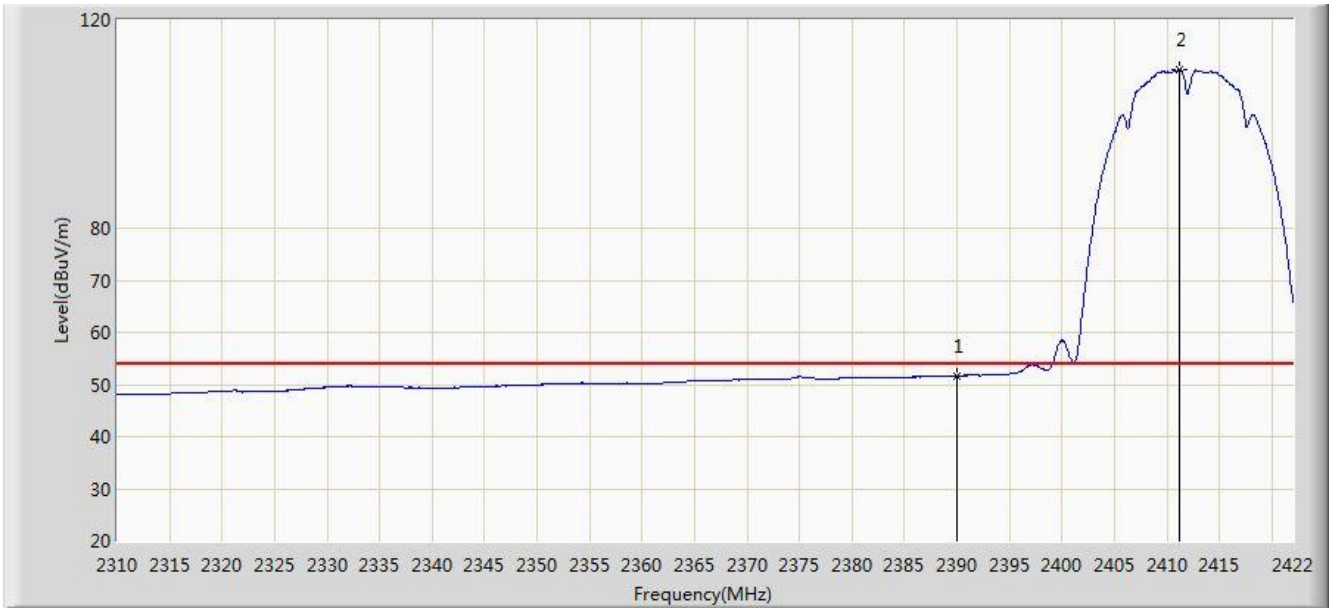


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.512	73.332	42.645	-0.668	74.000	30.687	PK
2			2390.000	72.805	42.121	-1.195	74.000	30.684	PK
3		*	2410.464	114.970	84.323	N/A	N/A	30.648	PK

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: 2014/08/20 - 16:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 1	

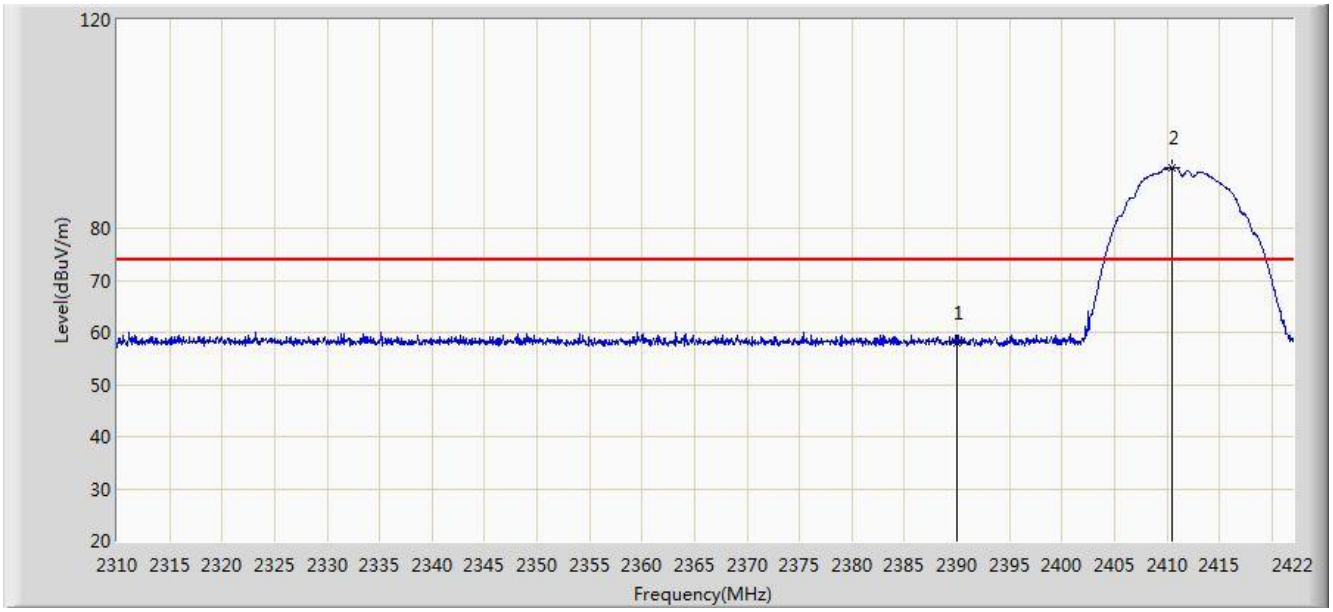


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.616	20.932	-2.384	54.000	30.684	AV
2		*	2411.192	110.570	79.924	N/A	N/A	30.646	AV

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: 2014/08/20 - 17:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 1	

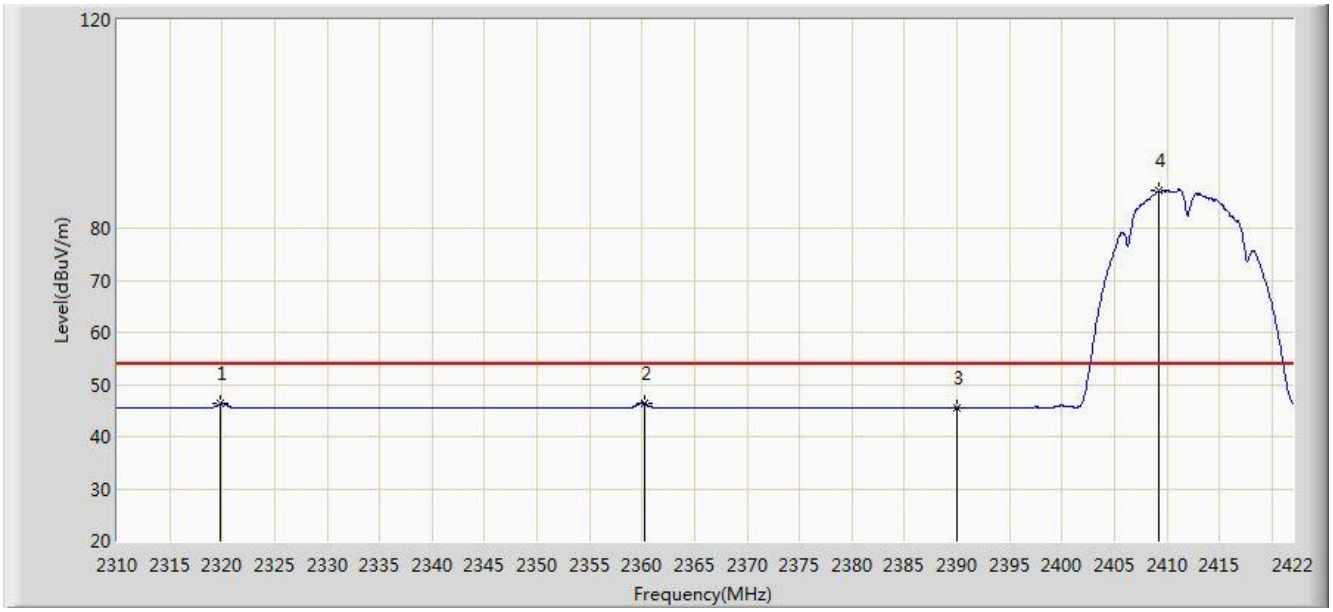


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.985	27.301	-16.015	74.000	30.684	PK
2		*	2410.464	91.639	60.992	N/A	N/A	30.648	PK

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: 2014/08/20 - 17:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2412MHz Ant 1	

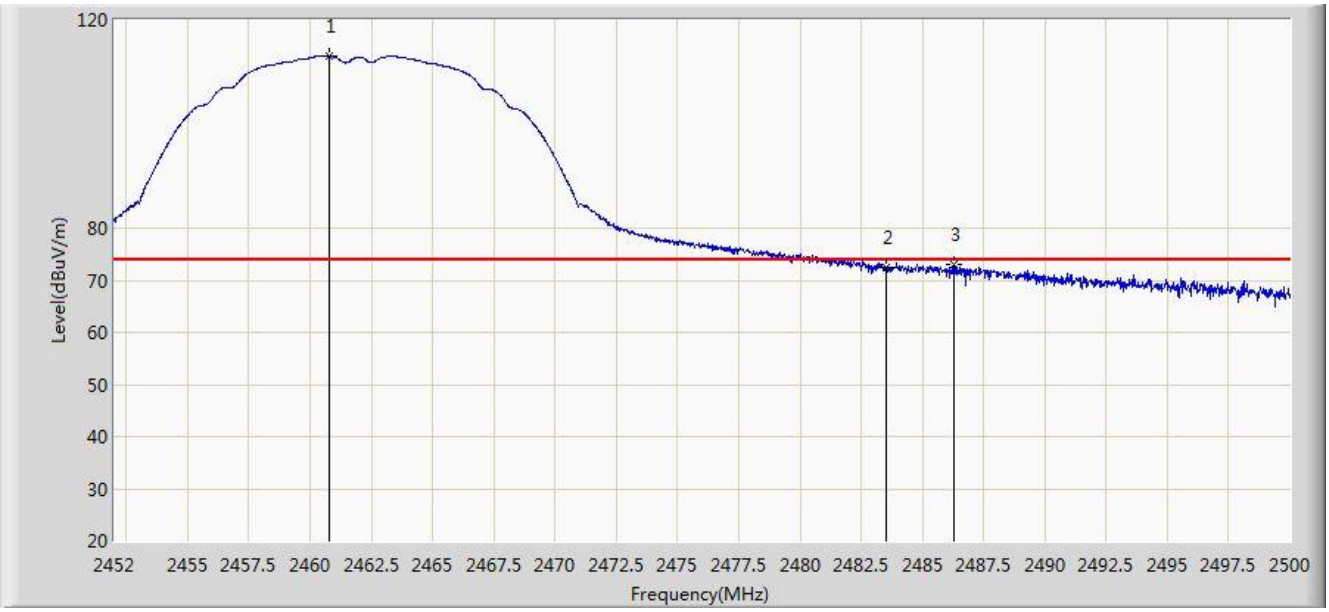


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2319.856	46.247	15.335	-7.753	54.000	30.913	AV
2			2360.288	46.350	15.599	-7.650	54.000	30.751	AV
3			2390.000	45.380	14.696	-8.620	54.000	30.684	AV
4		*	2409.232	87.300	56.651	N/A	N/A	30.650	AV

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: 2014/08/20 - 17:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.784	113.020	82.410	N/A	N/A	30.609	PK
2			2483.500	72.564	41.891	-1.436	74.000	30.673	PK
3			2486.296	73.066	42.385	-0.934	74.000	30.681	PK

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

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

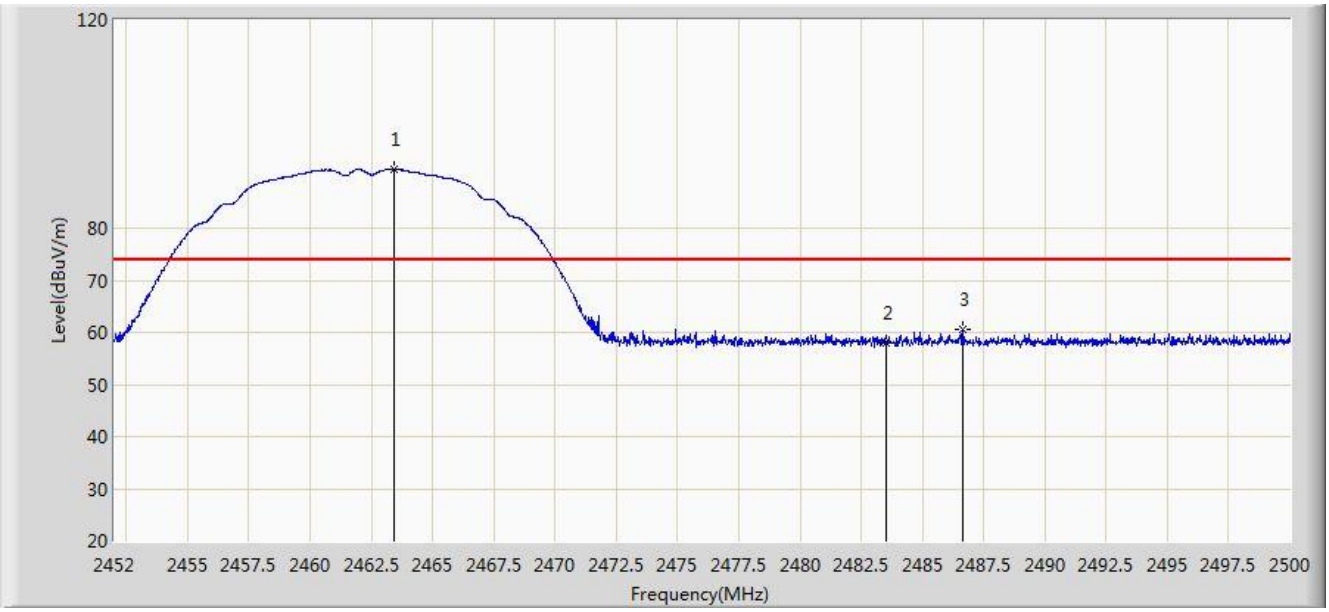
Engineer: Milo Li	
Site: AC1	Time: 2014/08/20 - 17:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	108.980	78.370	N/A	N/A	30.611	AV
2			2483.500	50.311	19.638	-3.689	54.000	30.673	AV

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: 2014/08/20 - 17:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11b at channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.424	91.286	60.672	N/A	N/A	30.615	PK
2			2483.500	58.020	27.347	-15.980	74.000	30.673	PK
3			2486.656	60.578	29.896	-13.422	74.000	30.682	PK

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

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