

7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

KDB 558074 D01v04 - Section 11.2 & Section 11.3

7.5.3. Test Setting

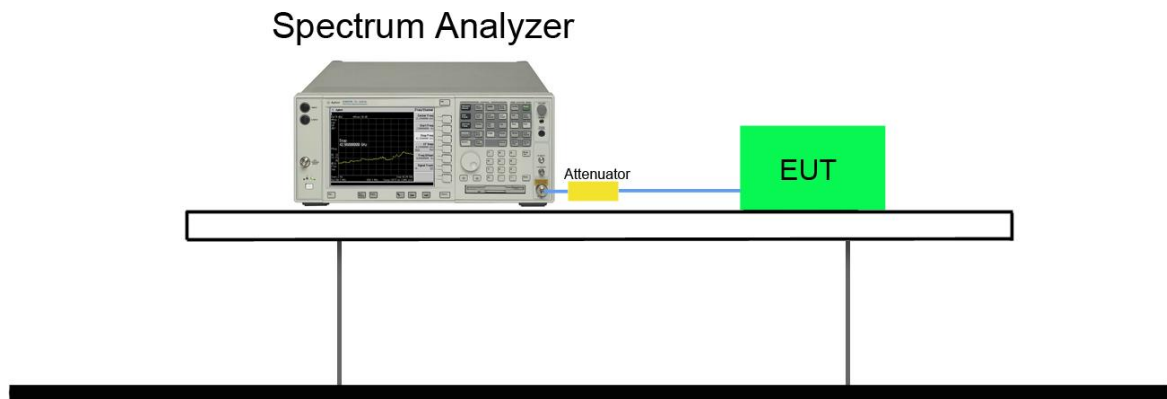
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5.Test Result

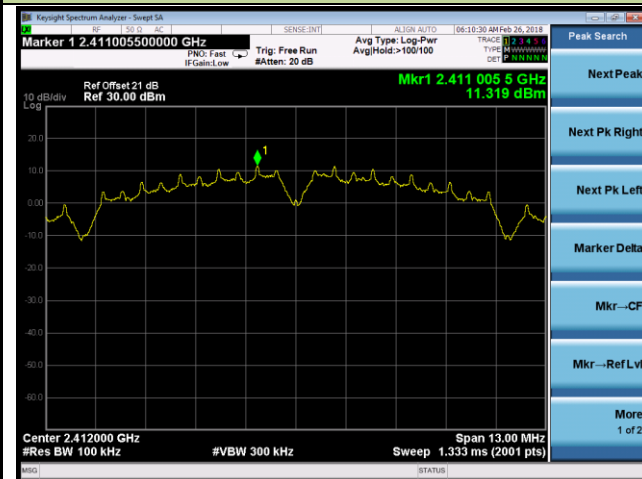
Product	4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Temperature	23°C
Test Engineer	Vince Yu	Relative Humidity	52%
Test Site	TR3	Test Date	2018/02/26
Antenna Type	Dipole Antenna		

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 0					
802.11b	1Mbps	01	2412	30dBc	Pass
802.11b	1Mbps	06	2437	30dBc	Pass
802.11b	1Mbps	11	2462	30dBc	Pass
802.11g	6Mbps	01	2412	30dBc	Pass
802.11g	6Mbps	06	2437	30dBc	Pass
802.11g	6Mbps	11	2462	30dBc	Pass
Ant 0 / Ant 0 + 1 + 2 + 3					
802.11n-HT20	MCS24	01	2412	30dBc	Pass
802.11n-HT20	MCS24	06	2437	30dBc	Pass
802.11n-HT20	MCS24	11	2462	30dBc	Pass
802.11n-HT40	MCS24	03	2422	30dBc	Pass
802.11n-HT40	MCS24	06	2437	30dBc	Pass
802.11n-HT40	MCS24	09	2452	30dBc	Pass

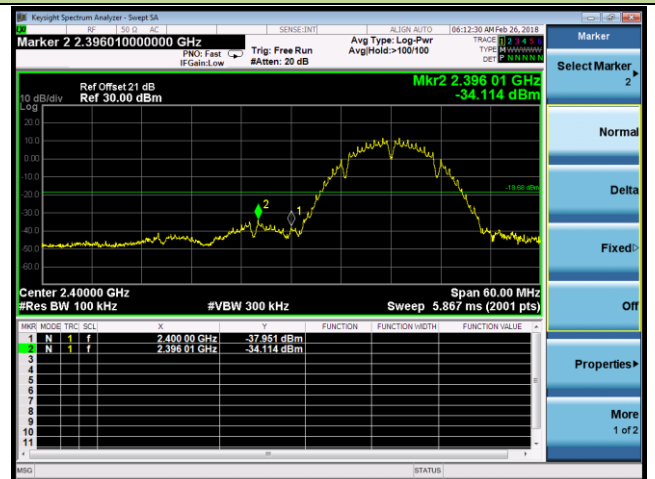
802.11b Out-of-Band Emissions - Ant 0

Channel 01 (2412MHz)

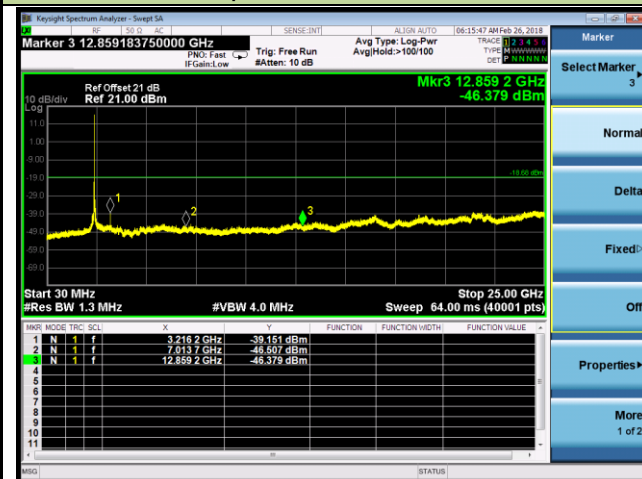
100kHz PSD reference Level



Low Band Edge

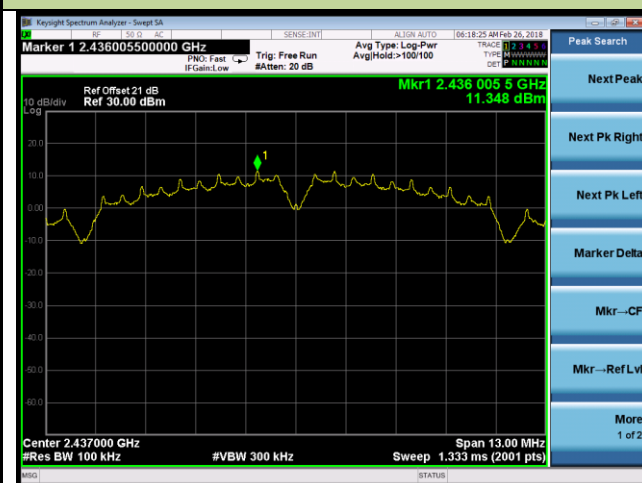


Spurious Emission

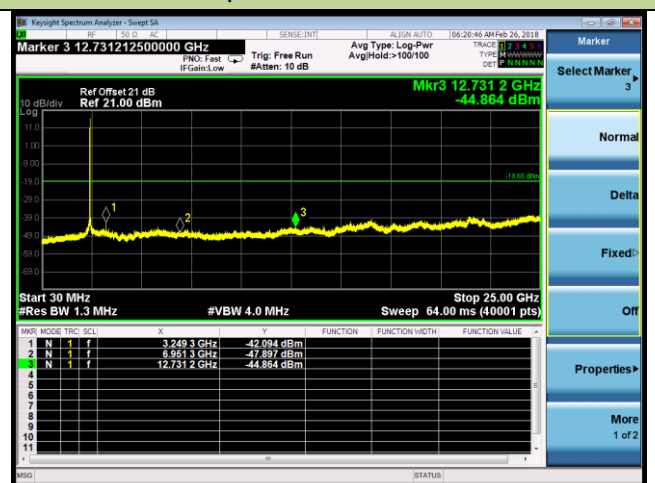


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission

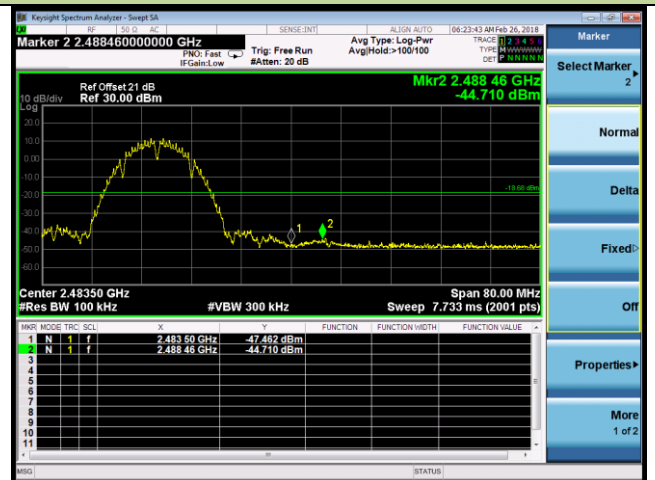


Channel 11 (2462MHz)

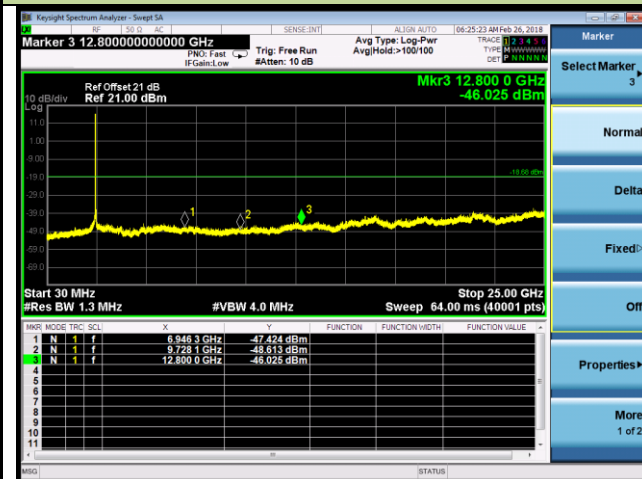
100kHz PSD reference Level



High Band Edge



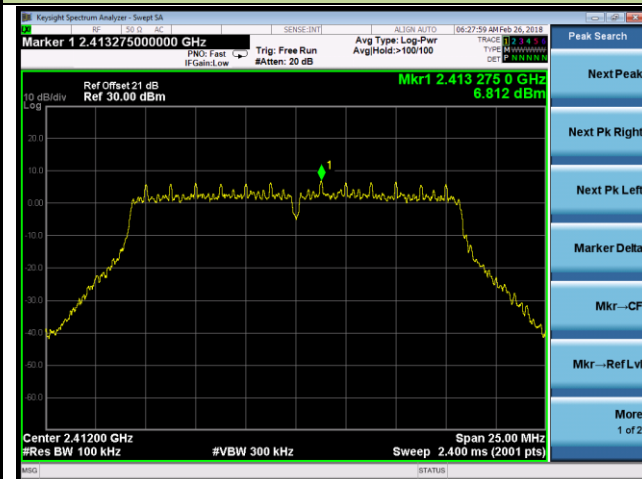
Spurious Emission



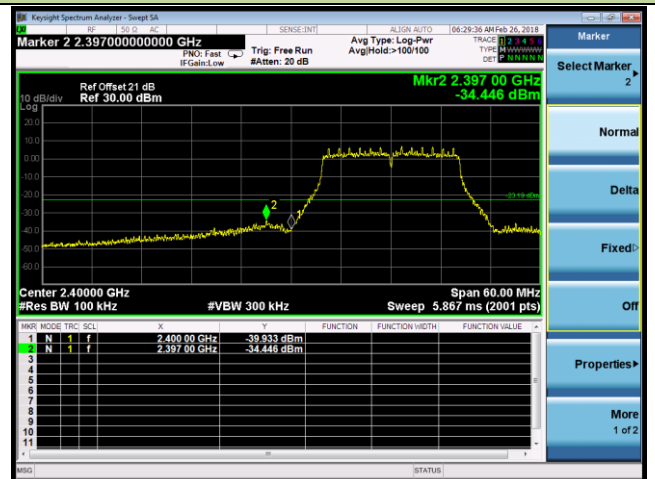
802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

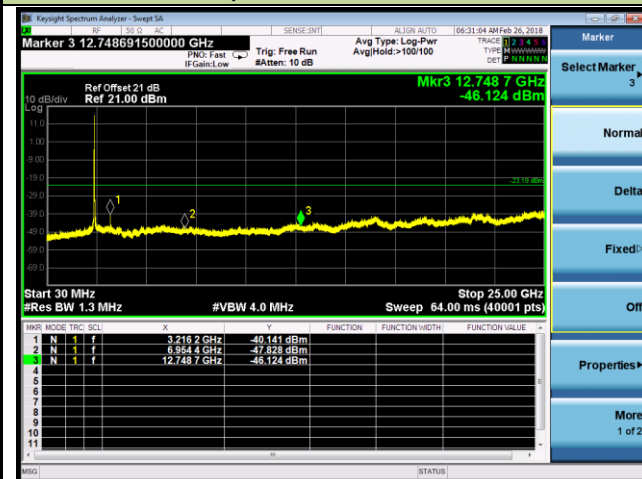
100kHz PSD reference Level



Low Band Edge

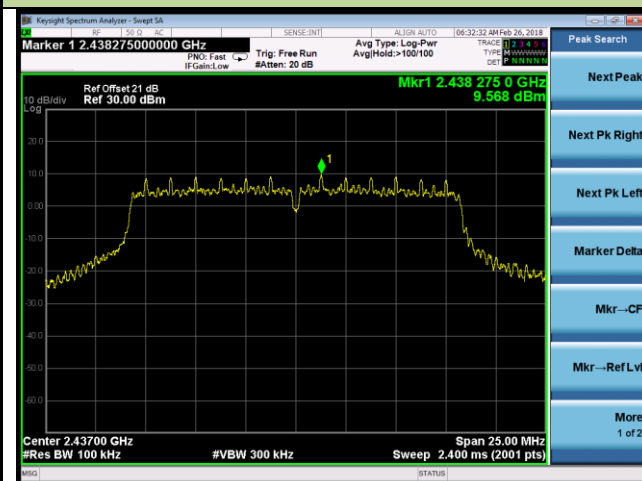


Spurious Emission

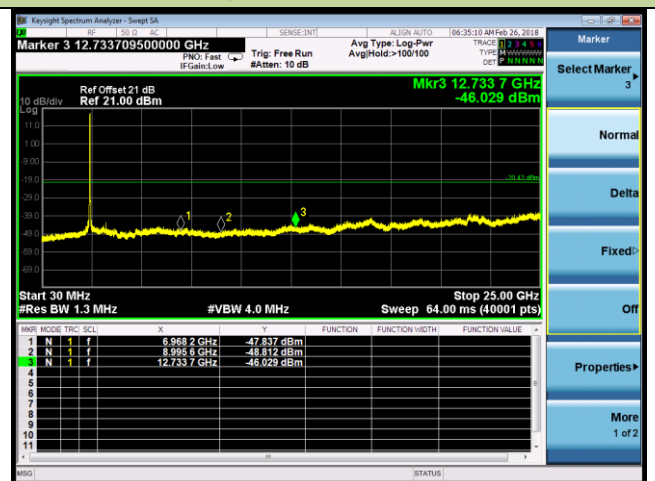


Channel 06 (2437MHz)

100kHz PSD reference Level

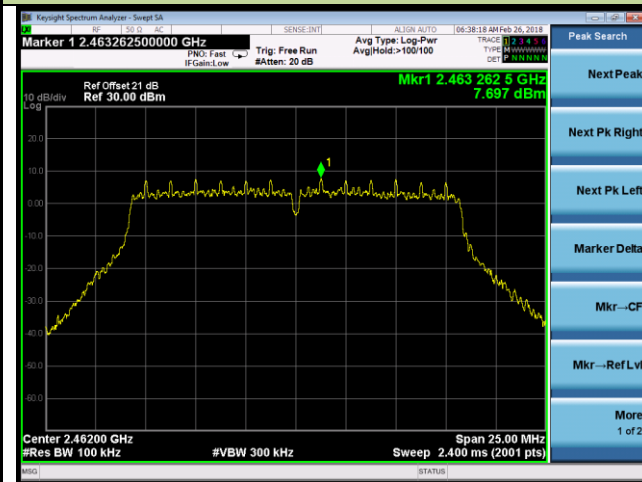


Spurious Emission

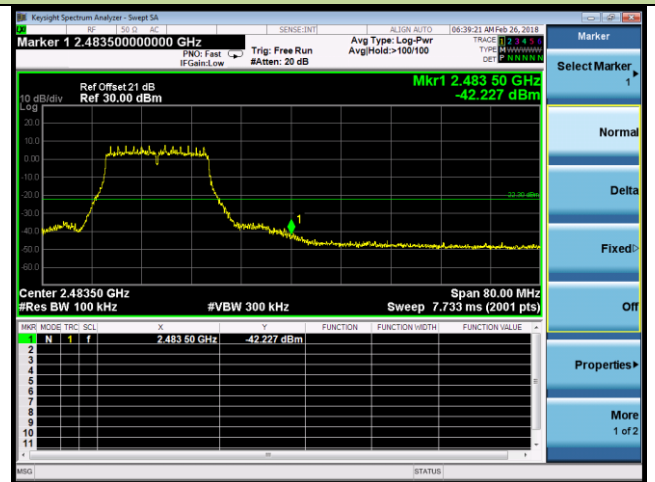


Channel 11 (2462MHz)

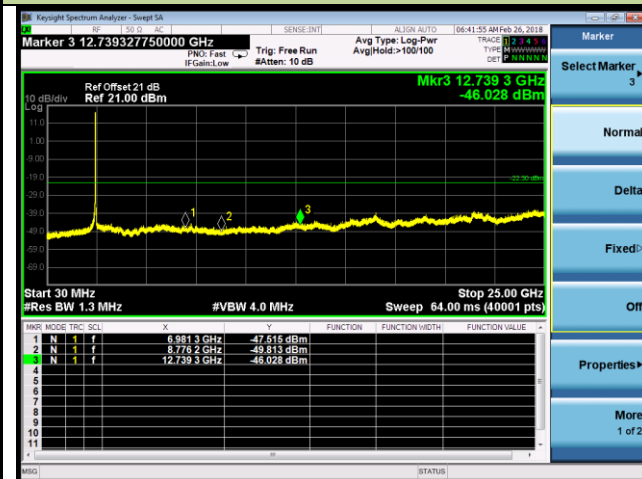
100kHz PSD reference Level



High Band Edge



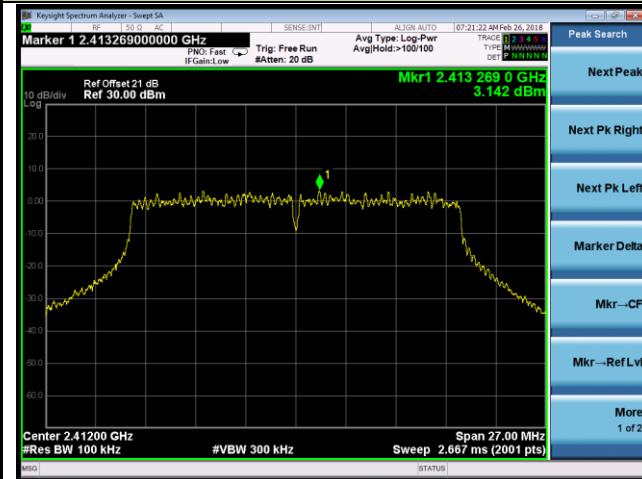
Spurious Emission



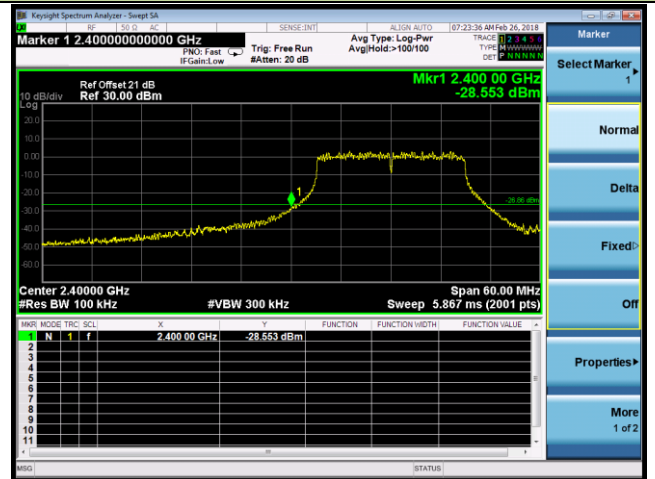
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)

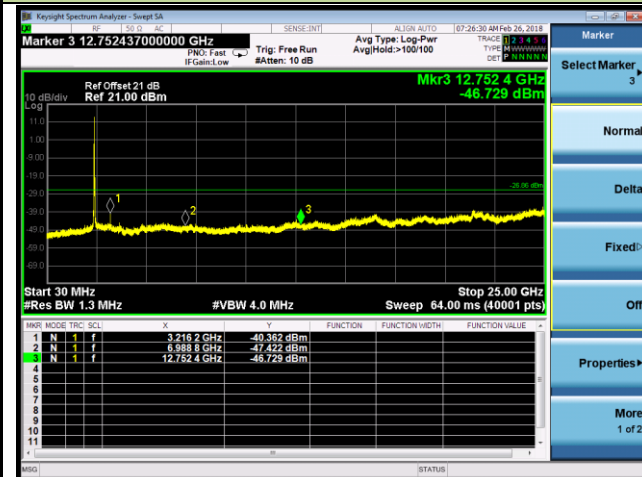
100kHz PSD reference Level



Low Band Edge

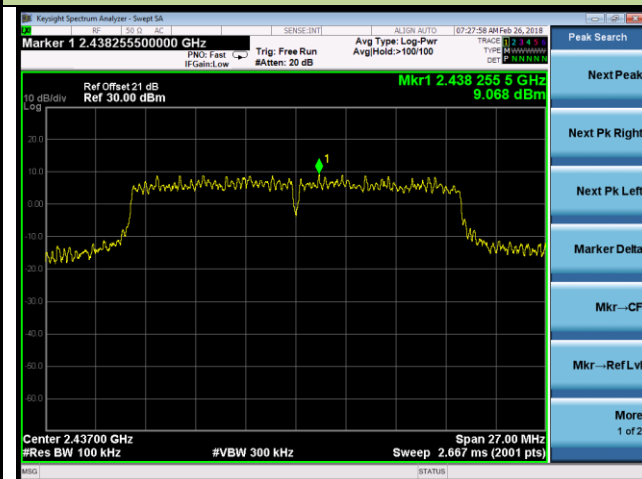


Spurious Emission

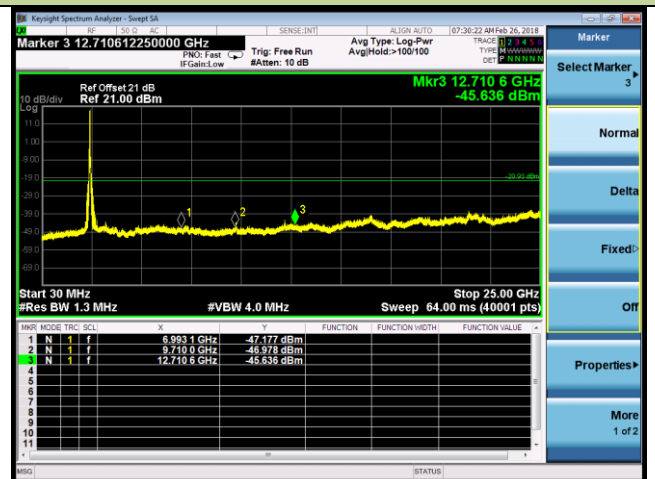


Channel 06 (2437MHz)

100kHz PSD reference Level

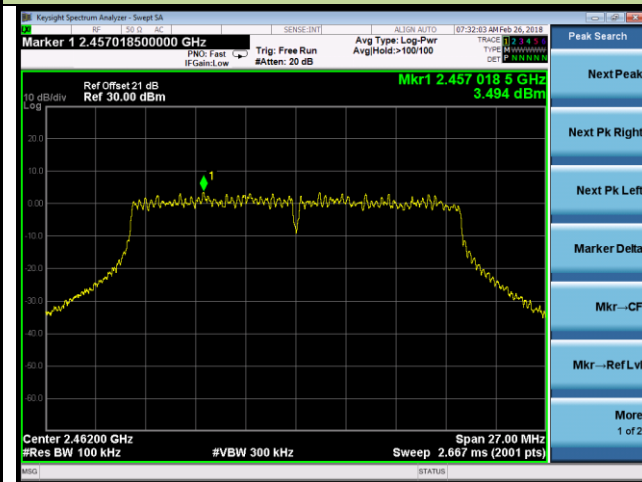


Spurious Emission

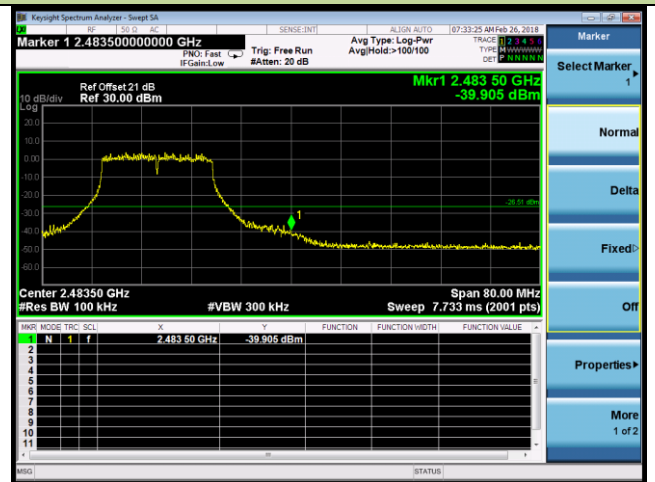


Channel 11 (2462MHz)

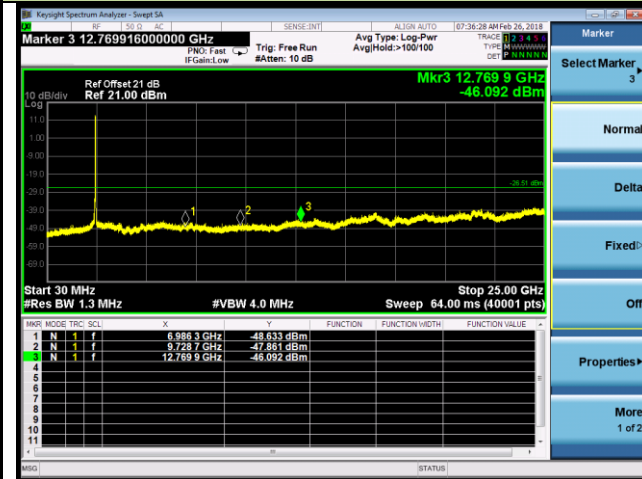
100kHz PSD reference Level



High Band Edge



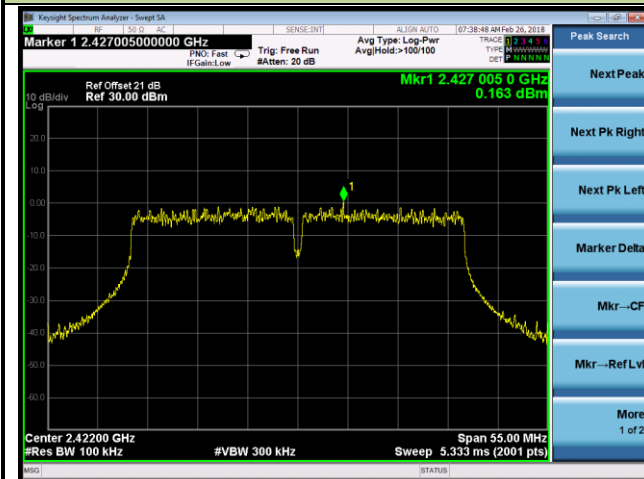
Spurious Emission



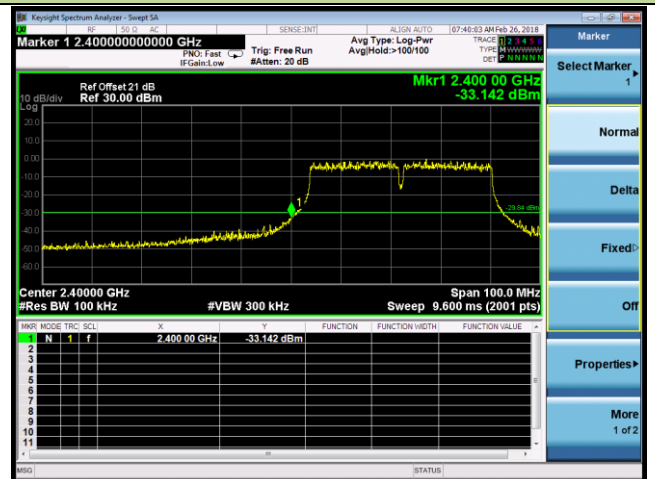
802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 03 (2422MHz)

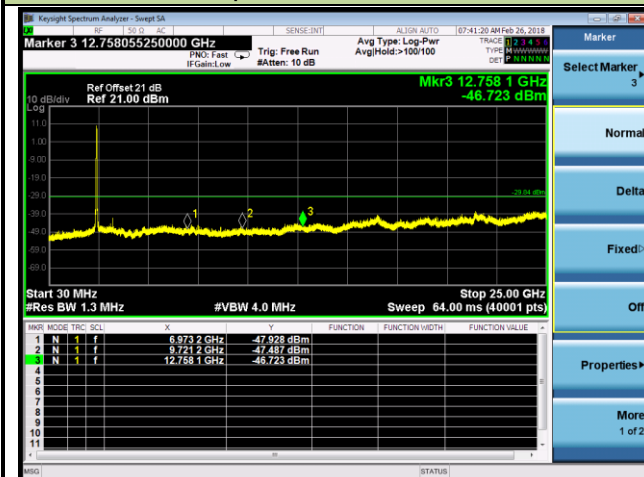
100kHz PSD reference Level



Low Band Edge

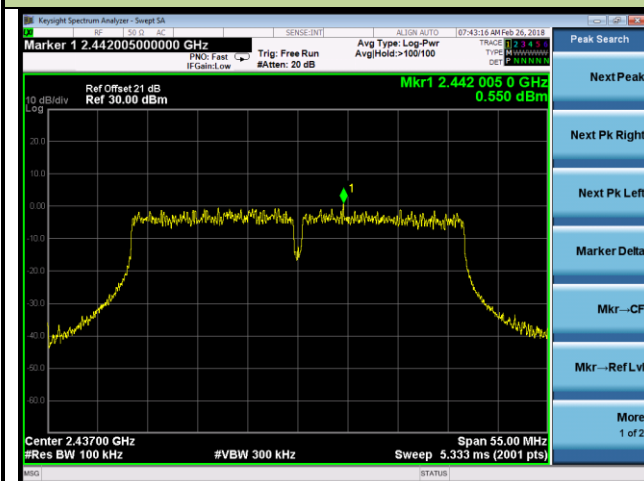


Spurious Emission

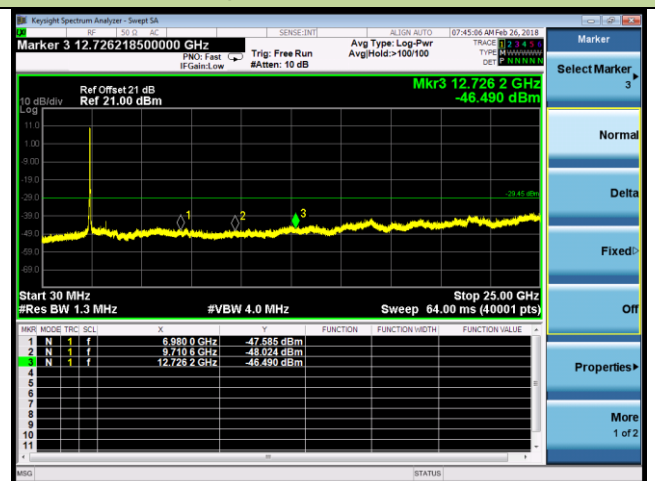


Channel 06 (2437MHz)

100kHz PSD reference Level

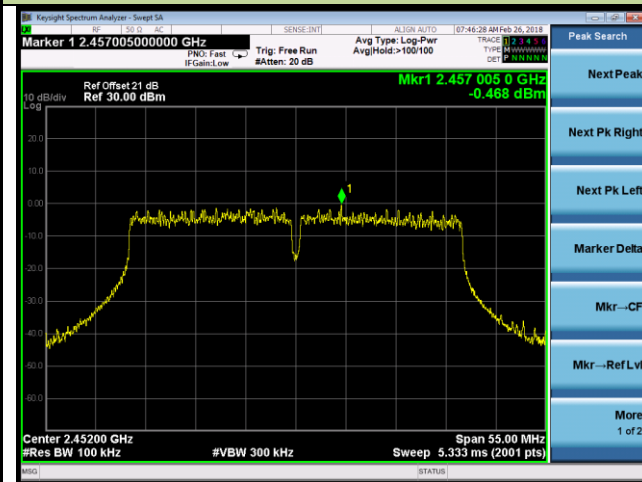


Spurious Emission

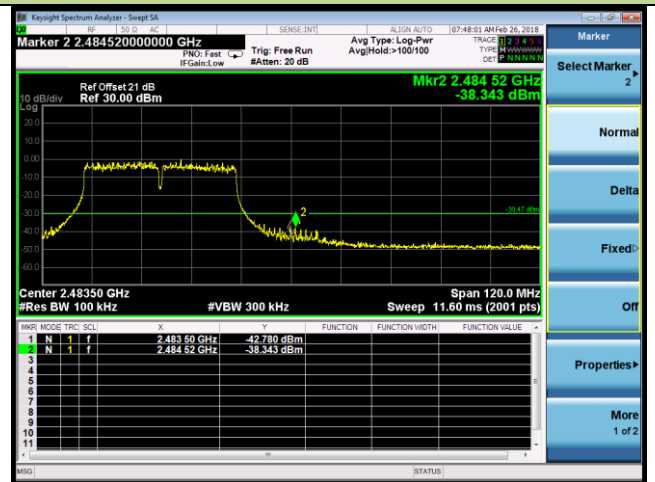


Channel 09 (2452MHz)

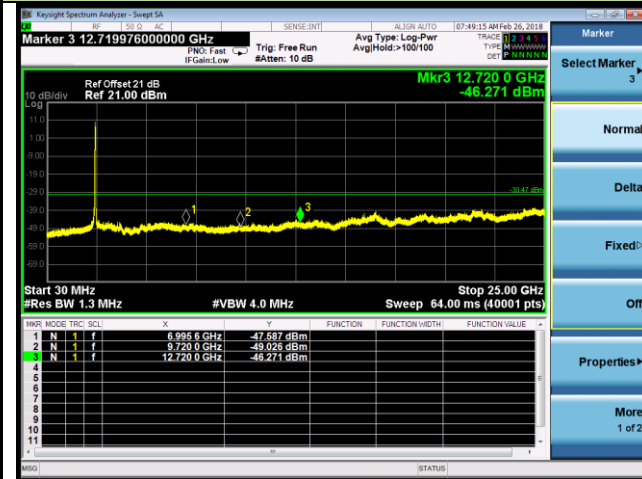
100kHz PSD reference Level



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 D01v04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

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

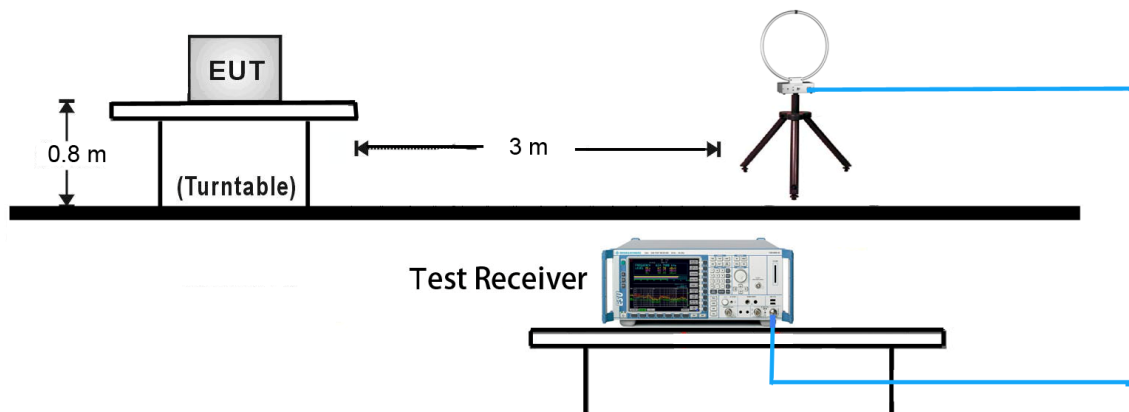
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

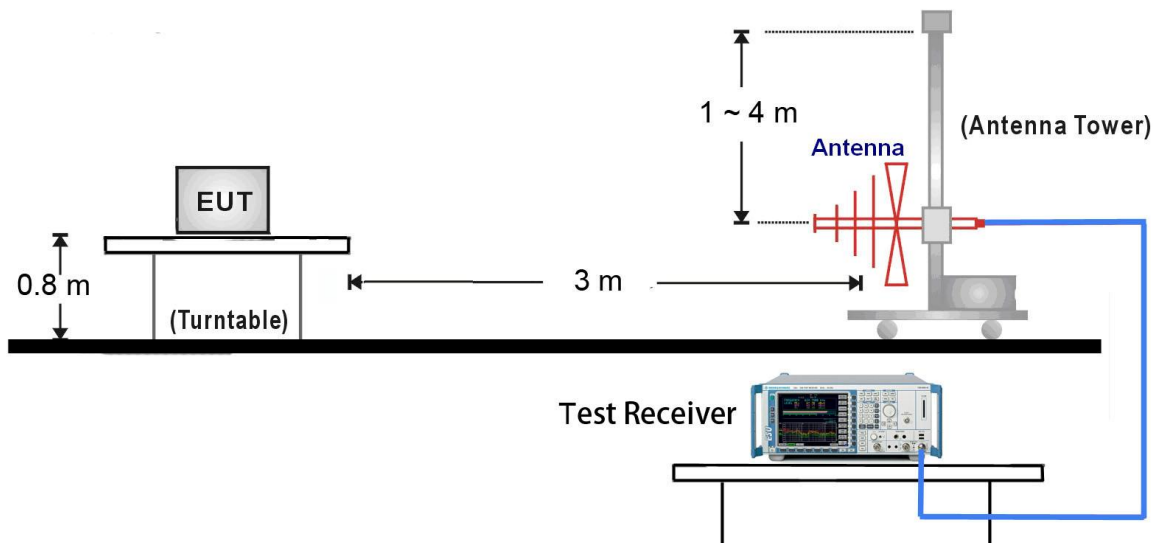
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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

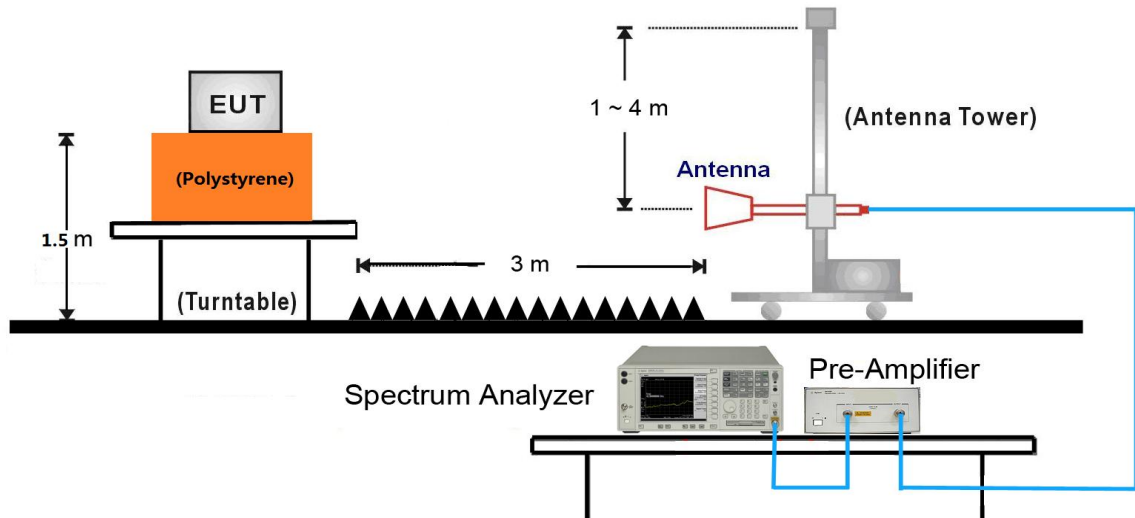
9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b - Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4298.0	38.9	4.4	43.3	74.0	-30.7	Peak	Horizontal
	4825.0	43.2	5.9	49.1	74.0	-24.9	Peak	Horizontal
*	6151.0	37.1	8.3	45.4	83.0	-37.6	Peak	Horizontal
*	6593.0	37.7	10.2	47.9	83.0	-35.1	Peak	Horizontal
	4051.5	39.8	3.5	43.3	74.0	-30.7	Peak	Vertical
	4825.0	43.0	5.9	48.9	74.0	-25.1	Peak	Vertical
*	6244.5	37.1	8.6	45.7	83.0	-37.3	Peak	Vertical
*	9644.5	38.6	15.5	54.1	83.0	-28.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.0dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4306.5	38.4	4.4	42.8	74.0	-31.2	Peak	Horizontal
	4876.0	42.2	6.0	48.2	74.0	-25.8	Peak	Horizontal
*	6295.5	36.3	8.7	45.0	85.2	-40.2	Peak	Horizontal
*	6703.5	36.9	10.1	47.0	85.2	-38.2	Peak	Horizontal
	4068.5	38.9	3.5	42.4	74.0	-31.6	Peak	Vertical
	4876.0	42.4	6.0	48.4	74.0	-25.6	Peak	Vertical
*	5760.0	36.9	7.4	44.3	85.2	-40.9	Peak	Vertical
*	6584.5	36.8	10.2	47.0	85.2	-38.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.2dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4017.5	38.4	3.4	41.8	74.0	-32.2	Peak	Horizontal
	4927.0	45.8	6.1	51.9	74.0	-22.1	Peak	Horizontal
	4924.0	42.9	6.1	49.0	54.0	-5.0	Average	Horizontal
*	6253.0	36.8	8.7	45.5	83.1	-37.6	Peak	Horizontal
*	7120.0	37.1	12.2	49.3	83.1	-33.8	Peak	Horizontal
	4077.0	39.3	3.5	42.8	74.0	-31.2	Peak	Vertical
	4927.0	45.4	6.1	51.5	74.0	-22.5	Peak	Vertical
*	6304.0	37.4	8.8	46.2	83.1	-36.9	Peak	Vertical
*	9848.5	38.7	16.7	55.4	83.1	-27.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.1dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4247.0	37.4	4.1	41.5	74.0	-32.5	Peak	Horizontal
	4825.0	38.3	5.9	44.2	74.0	-29.8	Peak	Horizontal
*	5734.5	36.9	7.4	44.3	82.5	-38.2	Peak	Horizontal
*	6720.5	36.5	10.1	46.6	82.5	-35.9	Peak	Horizontal
	4230.0	38.7	4.1	42.8	74.0	-31.2	Peak	Vertical
	4825.0	39.6	5.9	45.5	74.0	-28.5	Peak	Vertical
*	6253.0	37.7	8.7	46.4	82.5	-36.1	Peak	Vertical
*	6856.5	37.2	10.6	47.8	82.5	-34.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4136.5	38.2	3.8	42.0	74.0	-32.0	Peak	Horizontal
	4884.5	41.0	6.0	47.0	74.0	-27.0	Peak	Horizontal
*	5879.0	36.9	7.8	44.7	85.6	-40.9	Peak	Horizontal
*	6635.5	36.3	10.1	46.4	85.6	-39.2	Peak	Horizontal
	4876.0	41.8	6.0	47.8	74.0	-26.2	Peak	Vertical
	12180.5	25.2	17.5	42.7	54.0	-11.3	Average	Vertical
	12186.0	38.4	17.5	55.9	74.0	-18.1	Peak	Vertical
*	12891.5	34.0	18.5	52.5	85.6	-33.1	Peak	Vertical
*	13138.0	33.5	18.8	52.3	85.6	-33.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4196.0	37.9	3.9	41.8	74.0	-32.2	Peak	Horizontal
	4927.0	40.7	6.1	46.8	74.0	-27.2	Peak	Horizontal
*	6227.5	36.4	8.6	45.0	83.8	-38.8	Peak	Horizontal
*	6550.5	36.8	10.2	47.0	83.8	-36.8	Peak	Horizontal
	4077.0	38.9	3.5	42.4	74.0	-31.6	Peak	Vertical
	4927.0	40.4	6.1	46.5	74.0	-27.5	Peak	Vertical
*	6491.0	36.5	9.9	46.4	83.8	-37.4	Peak	Vertical
*	9848.5	35.7	16.7	52.4	83.8	-31.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.8dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4213.0	37.6	4.0	41.6	74.0	-32.4	Peak	Horizontal
	4621.0	37.3	5.2	42.5	74.0	-31.5	Peak	Horizontal
*	6270.0	37.0	8.6	45.6	80.2	-34.6	Peak	Horizontal
*	9644.5	37.5	15.5	53.0	80.2	-27.2	Peak	Horizontal
	6142.5	36.3	8.2	44.5	68.2	-23.7	Peak	Vertical
	14472.0	31.5	21.1	52.6	54.0	-1.4	Average	Vertical
	14472.5	39.1	21.1	60.2	74.0	-13.8	Peak	Vertical
*	15127.0	33.5	20.0	53.5	80.2	-26.7	Peak	Vertical
*	16665.5	33.2	20.5	53.7	80.2	-26.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.2dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3966.5	38.9	3.1	42.0	74.0	-32.0	Peak	Horizontal
	4740.0	36.9	5.7	42.6	74.0	-31.4	Peak	Horizontal
*	9746.5	38.9	16.1	55.0	83.4	-28.4	Peak	Horizontal
*	10494.5	33.9	17.5	51.4	83.4	-32.0	Peak	Horizontal
	4315.0	37.3	4.4	41.7	74.0	-32.3	Peak	Vertical
	5003.5	39.6	6.3	45.9	74.0	-28.1	Peak	Vertical
*	9746.5	41.5	16.1	57.6	83.4	-25.8	Peak	Vertical
*	14625.5	36.5	21.2	57.7	83.4	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4034.5	38.4	3.4	41.8	74.0	-32.2	Peak	Horizontal
	4706.0	36.9	5.5	42.4	74.0	-31.6	Peak	Horizontal
*	6601.5	35.9	10.2	46.1	80.4	-34.3	Peak	Horizontal
*	9848.5	38.8	16.7	55.5	80.4	-24.9	Peak	Horizontal
	4927.0	37.8	6.1	43.9	74.0	-30.1	Peak	Vertical
	7392.0	39.3	12.6	51.9	74.0	-22.1	Peak	Vertical
*	9848.5	42.9	16.7	59.6	80.4	-20.8	Peak	Vertical
*	14770.0	36.1	21.1	57.2	80.4	-23.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	37.9	3.5	41.4	74.0	-32.6	Peak	Horizontal
	4765.5	36.3	5.7	42.0	74.0	-32.0	Peak	Horizontal
*	6482.5	36.8	9.9	46.7	81.6	-34.9	Peak	Horizontal
*	8667.0	34.9	12.9	47.8	81.6	-33.8	Peak	Horizontal
	4255.5	37.9	4.2	42.1	74.0	-31.9	Peak	Vertical
	5003.5	39.3	6.3	45.6	74.0	-28.4	Peak	Vertical
*	6074.5	36.2	8.0	44.2	81.6	-37.4	Peak	Vertical
*	9661.5	38.0	15.4	53.4	81.6	-28.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4204.5	37.3	4.0	41.3	74.0	-32.7	Peak	Horizontal
	4816.5	36.2	5.9	42.1	74.0	-31.9	Peak	Horizontal
*	6108.5	36.2	8.1	44.3	83.6	-39.3	Peak	Horizontal
*	6584.5	35.7	10.2	45.9	83.6	-37.7	Peak	Horizontal
	4136.5	37.8	3.8	41.6	74.0	-32.4	Peak	Vertical
	4995.0	38.6	6.3	44.9	74.0	-29.1	Peak	Vertical
*	6219.0	35.4	8.5	43.9	83.6	-39.7	Peak	Vertical
*	9755.0	37.5	16.2	53.7	83.6	-29.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4213.0	37.8	4.0	41.8	74.0	-32.2	Peak	Horizontal
	4791.0	36.9	5.8	42.7	74.0	-31.3	Peak	Horizontal
*	6032.0	36.7	7.9	44.6	81.9	-37.3	Peak	Horizontal
*	14753.0	37.0	21.0	58.0	81.9	-23.9	Peak	Horizontal
	4332.0	37.7	4.4	42.1	74.0	-31.9	Peak	Vertical
	5003.5	39.2	6.3	45.5	74.0	-28.5	Peak	Vertical
*	6805.5	36.4	10.3	46.7	81.9	-35.2	Peak	Vertical
*	9848.5	36.9	16.7	53.6	81.9	-28.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4102.5	38.8	3.6	42.4	74.0	-31.6	Peak	Horizontal
	4825.0	45.5	5.9	51.4	74.0	-22.6	Peak	Horizontal
*	5998.0	37.0	8.0	45.0	78.5	-33.5	Peak	Horizontal
*	9644.5	37.2	15.5	52.7	78.5	-25.8	Peak	Horizontal
	4264.0	38.3	4.2	42.5	74.0	-31.5	Peak	Vertical
	4825.0	45.4	5.9	51.3	74.0	-22.7	Peak	Vertical
*	7239.0	41.3	12.7	54.0	78.5	-24.5	Peak	Vertical
*	9644.5	41.1	15.5	56.6	78.5	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.5dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4128.0	37.5	3.8	41.3	74.0	-32.7	Peak	Horizontal
	4876.0	45.0	6.0	51.0	74.0	-23.0	Peak	Horizontal
*	6244.5	36.2	8.6	44.8	82.4	-37.6	Peak	Horizontal
*	9746.5	36.6	16.1	52.7	82.4	-29.7	Peak	Horizontal
	4876.0	45.5	6.0	51.5	74.0	-22.5	Peak	Vertical
	7307.0	42.0	12.5	54.5	74.0	-19.5	Peak	Vertical
	7310.2	36.6	12.5	49.1	54.0	-4.9	Average	Vertical
*	9746.5	41.6	16.1	57.7	82.4	-24.7	Peak	Vertical
*	10129.0	35.0	16.9	51.9	82.4	-30.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	38.5	3.5	42.0	74.0	-32.0	Peak	Horizontal
	4927.0	44.1	6.1	50.2	74.0	-23.8	Peak	Horizontal
*	6797.0	36.1	10.3	46.4	78.8	-32.4	Peak	Horizontal
*	9848.5	35.3	16.7	52.0	78.8	-26.8	Peak	Horizontal
	4927.0	45.1	6.1	51.2	74.0	-22.8	Peak	Vertical
	7383.5	41.2	12.6	53.8	74.0	-20.2	Peak	Vertical
	7385.3	35.9	12.6	48.5	54.0	-5.5	Average	Vertical
*	9848.5	41.6	16.7	58.3	78.8	-20.5	Peak	Vertical
*	10375.5	33.4	17.4	50.8	78.8	-28.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.8dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4247.0	38.0	4.1	42.1	74.0	-31.9	Peak	Horizontal
	4816.5	40.4	5.9	46.3	74.0	-27.7	Peak	Horizontal
*	6499.5	36.5	9.9	46.4	80.0	-33.6	Peak	Horizontal
*	10035.5	34.1	16.7	50.8	80.0	-29.2	Peak	Horizontal
	4272.5	38.3	4.2	42.5	74.0	-31.5	Peak	Vertical
	4825.0	41.2	5.9	47.1	74.0	-26.9	Peak	Vertical
*	7239.0	39.5	12.7	52.2	80.0	-27.8	Peak	Vertical
*	9636.0	37.1	15.5	52.6	80.0	-27.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4221.5	37.6	4.1	41.7	74.0	-32.3	Peak	Horizontal
	4876.0	44.2	6.0	50.2	74.0	-23.8	Peak	Horizontal
*	6346.5	36.4	9.0	45.4	82.8	-37.4	Peak	Horizontal
*	6924.5	36.3	11.0	47.3	82.8	-35.5	Peak	Horizontal
	4867.5	43.8	6.0	49.8	74.0	-24.2	Peak	Vertical
	7307.0	40.7	12.5	53.2	74.0	-20.8	Peak	Vertical
	7310.2	30.8	12.5	43.3	54.0	-10.7	Average	Vertical
*	9738.0	37.3	15.9	53.2	82.8	-29.6	Peak	Vertical
*	10095.0	34.2	16.9	51.1	82.8	-31.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	38.5	3.5	42.0	74.0	-32.0	Peak	Horizontal
	4927.0	41.0	6.1	47.1	74.0	-26.9	Peak	Horizontal
*	6253.0	37.0	8.7	45.7	80.3	-34.6	Peak	Horizontal
*	7018.0	35.8	11.5	47.3	80.3	-33.0	Peak	Horizontal
	4927.0	42.0	6.1	48.1	74.0	-25.9	Peak	Vertical
	7400.5	39.1	12.6	51.7	74.0	-22.3	Peak	Vertical
*	9848.5	35.6	16.7	52.3	80.3	-28.0	Peak	Vertical
*	10180.0	34.0	17.1	51.1	80.3	-29.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.3dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4230.0	37.5	4.1	41.6	74.0	-32.4	Peak	Horizontal
	4816.5	37.8	5.9	43.7	74.0	-30.3	Peak	Horizontal
*	5819.5	35.9	7.6	43.5	79.4	-35.9	Peak	Horizontal
*	6295.5	36.2	8.7	44.9	79.4	-34.5	Peak	Horizontal
	4170.5	36.3	3.9	40.2	74.0	-33.8	Peak	Vertical
	4825.0	39.3	5.9	45.2	74.0	-28.8	Peak	Vertical
*	7230.5	36.9	12.7	49.6	79.4	-29.8	Peak	Vertical
*	9644.5	38.0	15.5	53.5	79.4	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4238.5	38.3	4.1	42.4	74.0	-31.6	Peak	Horizontal
	4748.5	36.6	5.7	42.3	74.0	-31.7	Peak	Horizontal
*	6414.5	36.4	9.4	45.8	82.7	-36.9	Peak	Horizontal
*	6916.0	35.0	10.9	45.9	82.7	-36.8	Peak	Horizontal
	4043.0	38.3	3.5	41.8	74.0	-32.2	Peak	Vertical
	4876.0	37.7	6.0	43.7	74.0	-30.3	Peak	Vertical
*	9746.5	37.1	16.1	53.2	82.7	-29.5	Peak	Vertical
*	10375.5	34.9	17.4	52.3	82.7	-30.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.7BμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	38.8	3.5	42.3	74.0	-31.7	Peak	Horizontal
	4927.0	37.9	6.1	44.0	74.0	-30.0	Peak	Horizontal
*	6117.0	36.0	8.2	44.2	79.9	-35.7	Peak	Horizontal
*	7103.0	35.7	12.1	47.8	79.9	-32.1	Peak	Horizontal
	4119.5	37.4	3.7	41.1	74.0	-32.9	Peak	Vertical
	4927.0	39.5	6.1	45.6	74.0	-28.4	Peak	Vertical
*	9848.5	37.5	16.7	54.2	79.9	-25.7	Peak	Vertical
*	10503.0	33.7	17.6	51.3	79.9	-28.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.9dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4187.5	36.4	3.9	40.3	74.0	-33.7	Peak	Horizontal
	4757.0	35.5	5.7	41.2	74.0	-32.8	Peak	Horizontal
*	6210.5	35.0	8.5	43.5	80.6	-37.1	Peak	Horizontal
*	6890.5	34.9	10.7	45.6	80.6	-35.0	Peak	Horizontal
	4051.5	37.3	3.5	40.8	74.0	-33.2	Peak	Vertical
	5003.5	38.5	6.3	44.8	74.0	-29.2	Peak	Vertical
*	6270.0	36.4	8.6	45.0	80.6	-35.6	Peak	Vertical
*	6814.0	35.6	10.4	46.0	80.6	-34.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	38.3	3.5	41.8	74.0	-32.2	Peak	Horizontal
	5003.5	37.0	6.3	43.3	74.0	-30.7	Peak	Horizontal
*	6287.0	36.8	8.7	45.5	83.9	-38.4	Peak	Horizontal
*	7111.5	35.8	12.2	48.0	83.9	-35.9	Peak	Horizontal
	5003.5	38.9	6.3	45.2	74.0	-28.8	Peak	Vertical
	12194.5	39.9	17.4	57.3	74.0	-16.7	Peak	Vertical
	12186.6	29.0	17.5	46.5	54.0	-7.5	Average	Vertical
*	13809.5	32.9	20.6	53.5	83.9	-30.4	Peak	Vertical
*	14880.5	32.2	20.3	52.5	83.9	-31.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.9dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4349.0	37.2	4.3	41.5	74.0	-32.5	Peak	Horizontal
	5003.5	38.4	6.3	44.7	74.0	-29.3	Peak	Horizontal
*	6321.0	35.7	8.9	44.6	81.2	-36.6	Peak	Horizontal
*	6831.0	35.0	10.5	45.5	81.2	-35.7	Peak	Horizontal
	5003.5	38.3	6.3	44.6	74.0	-29.4	Peak	Vertical
	12305.0	37.6	17.3	54.9	74.0	-19.1	Peak	Vertical
	12305.0	26.0	17.3	43.3	54.0	-10.7	Average	Vertical
*	13767.0	33.3	20.6	53.9	81.2	-27.3	Peak	Vertical
*	15254.5	33.8	19.8	53.6	81.2	-27.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.2dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4145.0	37.5	3.8	41.3	74.0	-32.7	Peak	Horizontal
	4816.5	39.6	5.9	45.5	74.0	-28.5	Peak	Horizontal
*	5981.0	36.1	7.9	44.0	83.8	-39.8	Peak	Horizontal
*	6780.0	34.7	10.1	44.8	83.8	-39.0	Peak	Horizontal
	4332.0	37.5	4.4	41.9	74.0	-32.1	Peak	Vertical
	4825.0	39.9	5.9	45.8	74.0	-28.2	Peak	Vertical
*	5981.0	36.0	7.9	43.9	83.8	-39.9	Peak	Vertical
*	6542.0	37.3	10.1	47.4	83.8	-36.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.8dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	38.0	3.5	41.5	74.0	-32.5	Peak	Horizontal
	4867.5	49.9	6.0	55.9	74.0	-18.1	Peak	Horizontal
	4874.5	34.4	6.0	40.4	54.0	-13.6	Average	Horizontal
*	9746.5	37.1	16.1	53.2	90.3	-37.1	Peak	Horizontal
*	10333.0	34.2	17.3	51.5	90.3	-38.8	Peak	Horizontal
	7315.5	43.1	12.6	55.7	74.0	-18.3	Peak	Vertical
	7302.1	29.0	12.5	41.5	54.0	-12.5	Average	Vertical
	12186.0	44.0	17.5	61.5	74.0	-12.5	Peak	Vertical
	12188.5	31.5	17.5	49.0	54.0	-5.0	Average	Vertical
*	13979.5	34.9	20.9	55.8	90.3	-34.5	Peak	Vertical
*	17065.0	34.3	21.5	55.8	90.3	-34.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.3dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3958.0	38.1	3.1	41.2	74.0	-32.8	Peak	Horizontal
	4918.5	39.3	6.1	45.4	74.0	-28.6	Peak	Horizontal
*	5964.0	36.0	7.9	43.9	84.2	-40.3	Peak	Horizontal
*	6550.5	36.2	10.2	46.4	84.2	-37.8	Peak	Horizontal
	4204.5	37.2	4.0	41.2	74.0	-32.8	Peak	Vertical
	4935.5	41.2	6.1	47.3	74.0	-26.7	Peak	Vertical
*	6006.5	36.0	7.9	43.9	84.2	-40.3	Peak	Vertical
*	6457.0	35.7	9.8	45.5	84.2	-38.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.2dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	03	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4068.5	37.5	3.5	41.0	74.0	-33.0	Peak	Horizontal
	4842.0	37.1	5.9	43.0	74.0	-31.0	Peak	Horizontal
*	5989.5	34.7	7.9	42.6	80.4	-37.8	Peak	Horizontal
*	6516.5	35.2	9.9	45.1	80.4	-35.3	Peak	Horizontal
	4306.5	38.3	4.4	42.7	74.0	-31.3	Peak	Vertical
	4842.0	38.4	5.9	44.3	74.0	-29.7	Peak	Vertical
*	6083.0	36.0	8.0	44.0	80.4	-36.4	Peak	Vertical
*	7077.5	36.1	11.9	48.0	80.4	-32.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4298.0	36.8	4.4	41.2	74.0	-32.8	Peak	Horizontal
	4884.5	38.0	6.0	44.0	74.0	-30.0	Peak	Horizontal
*	5700.5	35.7	7.2	42.9	81.4	-38.5	Peak	Horizontal
*	6627.0	36.4	10.1	46.5	81.4	-34.9	Peak	Horizontal
	4068.5	37.8	3.5	41.3	74.0	-32.7	Peak	Vertical
	4884.5	38.6	6.0	44.6	74.0	-29.4	Peak	Vertical
*	6287.0	36.4	8.7	45.1	81.4	-36.3	Peak	Vertical
*	7009.5	35.1	11.3	46.4	81.4	-35.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	09	Test Engineer:	Snake Ni
Antenna Type	Dipole Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4153.5	37.8	3.8	41.6	74.0	-32.4	Peak	Horizontal
	4944.0	34.9	6.1	41.0	74.0	-33.0	Peak	Horizontal
*	6431.5	36.0	9.5	45.5	79.7	-34.2	Peak	Horizontal
*	7026.5	35.9	11.5	47.4	79.7	-32.3	Peak	Horizontal
	4272.5	38.6	4.2	42.8	74.0	-31.2	Peak	Vertical
	5003.5	38.6	6.3	44.9	74.0	-29.1	Peak	Vertical
*	6032.0	38.0	7.9	45.9	79.7	-33.8	Peak	Vertical
*	6508.0	37.2	9.9	47.1	79.7	-32.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4723.0	37.9	5.6	43.5	74.0	-30.5	Peak	Horizontal
	5003.5	40.1	6.3	46.4	74.0	-27.6	Peak	Horizontal
*	6006.5	36.7	7.9	44.6	86.6	-42.0	Peak	Horizontal
*	6423.0	37.4	9.4	46.8	86.6	-39.8	Peak	Horizontal
	4824.0	40.9	5.9	46.8	74.0	-27.2	Peak	Vertical
	5003.5	39.5	6.3	45.8	74.0	-28.2	Peak	Vertical
*	6091.5	37.1	8.1	45.2	86.6	-41.4	Peak	Vertical
*	6899.0	37.2	10.8	48.0	86.6	-38.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4187.5	37.1	3.9	41.0	74.0	-33.0	Peak	Horizontal
	4874.0	40.7	6.0	46.7	74.0	-27.3	Peak	Horizontal
*	6219.0	36.6	8.5	45.1	89.1	-44.0	Peak	Horizontal
*	7137.0	35.8	12.4	48.2	89.1	-40.9	Peak	Horizontal
	4874.0	42.5	6.0	48.5	74.0	-25.5	Peak	Vertical
	7502.5	39.3	12.7	52.0	74.0	-22.0	Peak	Vertical
*	8871.0	37.3	13.2	50.5	89.1	-38.6	Peak	Vertical
*	9746.5	40.8	16.1	56.9	89.1	-32.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.1dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4740.0	37.5	5.7	43.2	74.0	-30.8	Peak	Horizontal
	4924.0	41.1	6.1	47.2	74.0	-26.8	Peak	Horizontal
*	6601.5	36.3	10.2	46.5	86.1	-39.6	Peak	Horizontal
*	9984.5	33.6	16.7	50.3	86.1	-35.8	Peak	Horizontal
	4924.0	41.2	6.1	47.3	74.0	-26.7	Peak	Vertical
	7502.5	39.5	12.7	52.2	74.0	-21.8	Peak	Vertical
*	8913.5	36.3	13.3	49.6	86.1	-36.5	Peak	Vertical
*	9848.5	35.8	16.7	52.5	86.1	-33.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.1dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4162.0	37.5	3.8	41.3	74.0	-32.7	Peak	Horizontal
	4689.0	36.5	5.4	41.9	74.0	-32.1	Peak	Horizontal
*	6346.5	36.8	9.0	45.8	84.7	-38.9	Peak	Horizontal
*	6950.0	35.9	11.1	47.0	84.7	-37.7	Peak	Horizontal
	5003.5	39.4	6.3	45.7	74.0	-28.3	Peak	Vertical
	7502.5	39.0	12.7	51.7	74.0	-22.3	Peak	Vertical
*	8692.5	36.4	13.0	49.4	84.7	-35.3	Peak	Vertical
*	10180.0	33.3	17.1	50.4	84.7	-34.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4238.5	38.9	4.1	43.0	74.0	-31.0	Peak	Horizontal
	4874.0	38.9	6.0	44.9	74.0	-29.1	Peak	Horizontal
*	5785.5	36.4	7.5	43.9	91.7	-47.8	Peak	Horizontal
*	6567.5	36.3	10.2	46.5	91.7	-45.2	Peak	Horizontal
	4874.0	41.2	6.0	47.2	74.0	-26.8	Peak	Vertical
	12185.0	38.5	17.4	55.9	74.0	-18.1	Peak	Vertical
	12185.0	26.0	17.5	43.5	54.0	-10.5	Average	Vertical
*	12891.5	35.2	18.5	53.7	91.7	-38.0	Peak	Vertical
*	13189.0	34.2	18.9	53.1	91.7	-38.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (121.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4238.5	38.4	4.1	42.5	74.0	-31.5	Peak	Horizontal
	4799.5	37.2	5.8	43.0	74.0	-31.0	Peak	Horizontal
*	6074.5	36.5	8.0	44.5	88.6	-44.1	Peak	Horizontal
*	6797.0	35.0	10.3	45.3	88.6	-43.3	Peak	Horizontal
	4315.0	37.7	4.4	42.1	74.0	-31.9	Peak	Vertical
	4924.0	37.8	6.1	43.9	74.0	-30.1	Peak	Vertical
*	5794.0	37.5	7.5	45.0	88.6	-43.6	Peak	Vertical
*	6814.0	37.7	10.4	48.1	88.6	-40.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (118.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4068.5	38.5	3.5	42.0	74.0	-32.0	Peak	Horizontal
	5003.5	38.7	6.3	45.0	74.0	-29.0	Peak	Horizontal
*	6287.0	35.9	8.7	44.6	84.5	-39.9	Peak	Horizontal
*	7009.5	34.7	11.3	46.0	84.5	-38.5	Peak	Horizontal
	4213.0	37.7	4.0	41.7	74.0	-32.3	Peak	Vertical
	5003.5	39.2	6.3	45.5	74.0	-28.5	Peak	Vertical
*	6253.0	36.3	8.7	45.0	84.5	-39.5	Peak	Vertical
*	9644.5	38.7	15.5	54.2	84.5	-30.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.5dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4179.0	37.9	3.9	41.8	74.0	-32.2	Peak	Horizontal
	4723.0	36.1	5.6	41.7	74.0	-32.3	Peak	Horizontal
*	5972.5	37.1	7.9	45.0	85.7	-40.7	Peak	Horizontal
*	9746.5	36.9	16.1	53.0	85.7	-32.7	Peak	Horizontal
	4774.0	35.6	5.7	41.3	74.0	-32.7	Peak	Vertical
	7311.0	39.2	12.5	51.7	74.0	-22.3	Peak	Vertical
*	9746.5	41.2	16.1	57.3	85.7	-28.4	Peak	Vertical
*	10205.5	34.5	17.1	51.6	85.7	-34.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4255.5	38.3	4.2	42.5	74.0	-31.5	Peak	Horizontal
	4816.5	37.4	5.9	43.3	74.0	-30.7	Peak	Horizontal
*	8811.5	36.1	13.3	49.4	85.6	-36.2	Peak	Horizontal
*	9848.5	37.5	16.7	54.2	85.6	-31.4	Peak	Horizontal
	5003.5	38.7	6.3	45.0	74.0	-29.0	Peak	Vertical
	7386.0	38.1	12.6	50.7	74.0	-23.3	Peak	Vertical
*	8862.5	36.3	13.3	49.6	85.6	-36.0	Peak	Vertical
*	9848.5	42.2	16.7	58.9	85.6	-26.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4247.0	38.9	4.1	43.0	74.0	-31.0	Peak	Horizontal
	4824.0	37.4	5.9	43.3	74.0	-30.7	Peak	Horizontal
*	6304.0	36.4	8.8	45.2	82.3	-37.1	Peak	Horizontal
*	6822.5	35.3	10.5	45.8	82.3	-36.5	Peak	Horizontal
	4374.5	38.0	4.4	42.4	74.0	-31.6	Peak	Vertical
	5003.5	37.8	6.3	44.1	74.0	-29.9	Peak	Vertical
*	6091.5	37.1	8.1	45.2	82.3	-37.1	Peak	Vertical
*	7077.5	36.6	11.9	48.5	82.3	-33.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.3dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	38.5	3.5	42.0	74.0	-32.0	Peak	Horizontal
	5003.5	37.1	6.3	43.4	74.0	-30.6	Peak	Horizontal
*	6125.5	37.1	8.2	45.3	88.4	-43.1	Peak	Horizontal
*	7043.5	36.7	11.7	48.4	88.4	-40.0	Peak	Horizontal
	4102.5	39.0	3.6	42.6	74.0	-31.4	Peak	Vertical
	5003.5	39.3	6.3	45.6	74.0	-28.4	Peak	Vertical
*	6746.0	37.3	10.1	47.4	88.4	-41.0	Peak	Vertical
*	9746.5	39.3	16.1	55.4	88.4	-33.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (118.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4621.0	37.1	5.2	42.3	74.0	-31.7	Peak	Horizontal
	5003.5	38.2	6.3	44.5	74.0	-29.5	Peak	Horizontal
*	6389.0	36.6	9.2	45.8	85.2	-39.4	Peak	Horizontal
*	7171.0	36.7	12.5	49.2	85.2	-36.0	Peak	Horizontal
	4119.5	36.7	3.7	40.4	74.0	-33.6	Peak	Vertical
	5003.5	38.7	6.3	45.0	74.0	-29.0	Peak	Vertical
*	6295.5	37.1	8.7	45.8	85.2	-39.4	Peak	Vertical
*	7018.0	37.1	11.5	48.6	85.2	-36.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.2dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4094.0	38.5	3.6	42.1	74.0	-31.9	Peak	Horizontal
	4824.0	44.6	5.9	50.5	74.0	-23.5	Peak	Horizontal
*	6414.5	36.2	9.4	45.6	84.7	-39.1	Peak	Horizontal
*	7236.0	52.3	12.7	65.0	84.7	-19.7	Peak	Horizontal
	4119.5	37.2	3.7	40.9	74.0	-33.1	Peak	Vertical
	4824.0	42.9	5.9	48.8	74.0	-25.2	Peak	Vertical
*	6627.0	36.6	10.1	46.7	84.7	-38.0	Peak	Vertical
*	9644.5	38.0	15.5	53.5	84.7	-31.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4026.0	38.7	3.4	42.1	74.0	-31.9	Peak	Horizontal
	4874.0	44.6	6.0	50.6	74.0	-23.4	Peak	Horizontal
*	6533.5	37.1	10.0	47.1	88.6	-41.5	Peak	Horizontal
*	9746.5	38.3	16.1	54.4	88.6	-34.2	Peak	Horizontal
	4874.0	44.4	6.0	50.4	74.0	-23.6	Peak	Vertical
	7311.0	39.9	12.5	52.4	74.0	-21.6	Peak	Vertical
	7311.0	32.9	12.5	45.4	54.0	-8.6	Average	Vertical
*	9746.5	42.4	16.1	58.5	88.6	-30.1	Peak	Vertical
*	10120.5	33.4	16.9	50.3	88.6	-38.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (118.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	38.1	3.5	41.6	74.0	-32.4	Peak	Horizontal
	4924.0	45.3	6.1	51.4	74.0	-22.6	Peak	Horizontal
*	6491.0	36.6	9.9	46.5	86.7	-40.2	Peak	Horizontal
*	9848.0	40.4	16.7	57.1	86.7	-29.6	Peak	Horizontal
	4927.0	46.3	6.1	52.4	74.0	-21.6	Peak	Horizontal
	4924.0	44.5	6.1	50.6	54.0	-3.4	Average	Vertical
	7386.0	39.7	12.6	52.3	74.0	-21.7	Peak	Vertical
*	9848.0	42.2	16.7	58.9	86.7	-27.8	Peak	Vertical
*	10265.0	33.2	17.2	50.4	86.7	-36.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4289.5	38.1	4.3	42.4	74.0	-31.6	Peak	Horizontal
	5003.5	38.4	6.3	44.7	74.0	-29.3	Peak	Horizontal
*	6142.5	36.6	8.2	44.8	81.5	-36.7	Peak	Horizontal
*	6805.5	38.8	10.3	49.1	81.5	-32.4	Peak	Horizontal
	4876.0	40.2	6.0	46.2	74.0	-27.8	Peak	Vertical
	7349.5	37.8	12.7	50.5	74.0	-23.5	Peak	Vertical
*	8811.5	35.0	13.3	48.3	81.5	-33.2	Peak	Vertical
*	9891.0	33.7	16.6	50.3	81.5	-31.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.5dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4874.0	45.1	6.0	51.1	74.0	-22.9	Peak	Horizontal
	7307.0	38.8	12.5	51.3	74.0	-22.7	Peak	Horizontal
*	9746.5	38.2	16.1	54.3	91.7	-37.4	Peak	Horizontal
*	10511.5	34.5	17.6	52.1	91.7	-39.6	Peak	Horizontal
	4009.0	37.7	3.4	41.1	74.0	-32.9	Peak	Vertical
	4927.0	39.1	6.1	45.2	74.0	-28.8	Peak	Vertical
*	6295.5	37.1	8.7	45.8	91.7	-45.9	Peak	Vertical
*	6950.0	35.1	11.1	46.2	91.7	-45.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (121.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4272.5	38.6	4.2	42.8	74.0	-31.2	Peak	Horizontal
	4927.0	39.1	6.1	45.2	74.0	-28.8	Peak	Horizontal
*	5641.0	36.7	7.0	43.7	84.0	-40.3	Peak	Horizontal
*	6822.5	36.8	10.5	47.3	84.0	-36.7	Peak	Horizontal
	4272.5	37.6	4.2	41.8	74.0	-32.2	Peak	Vertical
	5003.5	38.5	6.3	44.8	74.0	-29.2	Peak	Vertical
*	5794.0	36.2	7.5	43.7	84.0	-40.3	Peak	Vertical
*	7154.0	36.2	12.4	48.6	84.0	-35.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.0dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	38.8	3.5	42.3	74.0	-31.7	Peak	Horizontal
	5003.5	38.6	6.3	44.9	74.0	-29.1	Peak	Horizontal
*	6576.0	36.7	10.2	46.9	84.4	-37.5	Peak	Horizontal
*	9644.5	38.9	15.5	54.4	84.4	-30.0	Peak	Horizontal
	4060.0	38.3	3.5	41.8	74.0	-32.2	Peak	Vertical
	4824.0	37.2	5.9	43.1	74.0	-30.9	Peak	Vertical
*	6542.0	36.1	10.1	46.2	84.4	-38.2	Peak	Vertical
*	10103.5	34.0	16.9	50.9	84.4	-33.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	38.3	3.5	41.8	74.0	-32.2	Peak	Horizontal
	5012.0	37.6	6.3	43.9	74.0	-30.1	Peak	Horizontal
*	5879.0	36.1	7.8	43.9	87.5	-43.6	Peak	Horizontal
*	7026.5	35.9	11.5	47.4	87.5	-40.1	Peak	Horizontal
	4102.5	38.2	3.6	41.8	74.0	-32.2	Peak	Vertical
	4646.5	37.4	5.3	42.7	74.0	-31.3	Peak	Vertical
*	6482.5	35.7	9.9	45.6	87.5	-41.9	Peak	Vertical
*	6950.0	36.3	11.1	47.4	87.5	-40.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.5dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4924.0	40.0	6.1	46.1	74.0	-27.9	Peak	Horizontal
	12310.0	39.1	17.3	56.4	74.0	-17.6	Peak	Horizontal
	12310.0	33.6	17.3	50.9	54.0	-3.1	Average	Horizontal
*	13869.0	35.4	20.6	56.0	84.1	-28.1	Peak	Horizontal
*	16776.0	34.5	21.0	55.5	84.1	-28.6	Peak	Horizontal
	3992.0	38.1	3.2	41.3	74.0	-32.7	Peak	Vertical
	4774.0	37.0	5.7	42.7	74.0	-31.3	Peak	Vertical
*	6227.5	36.4	8.6	45.0	84.1	-39.1	Peak	Vertical
*	7196.5	36.0	12.5	48.5	84.1	-35.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.1dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4255.5	38.3	4.2	42.5	74.0	-31.5	Peak	Horizontal
	5003.5	39.0	6.3	45.3	74.0	-28.7	Peak	Horizontal
*	6244.5	36.5	8.6	45.1	80.7	-35.6	Peak	Horizontal
*	7137.0	36.3	12.4	48.7	80.7	-32.0	Peak	Horizontal
	4306.5	37.7	4.4	42.1	74.0	-31.9	Peak	Vertical
	5003.5	37.7	6.3	44.0	74.0	-30.0	Peak	Vertical
*	6066.0	36.8	8.0	44.8	80.7	-35.9	Peak	Vertical
*	7188.0	36.4	12.5	48.9	80.7	-31.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7358.0	36.1	12.7	48.8	74.0	-25.2	Peak	Horizontal
	12185.0	42.1	17.4	59.5	74.0	-14.5	Peak	Horizontal
	12185.0	30.4	17.4	47.8	54.0	-6.2	Average	Horizontal
*	12968.0	34.2	18.7	52.9	89.1	-36.2	Peak	Horizontal
*	13792.5	33.4	20.5	53.9	89.1	-35.2	Peak	Horizontal
	4221.5	38.1	4.1	42.2	74.0	-31.8	Peak	Vertical
	5003.5	38.0	6.3	44.3	74.0	-29.7	Peak	Vertical
*	6516.5	36.4	9.9	46.3	89.1	-42.8	Peak	Vertical
*	6984.0	35.3	11.2	46.5	89.1	-42.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.1dBμV/m) or 15.209 which is higher.

Note 2: Measure 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 3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4213.0	37.9	4.0	41.9	74.0	-32.1	Peak	Horizontal
	5003.5	38.6	6.3	44.9	74.0	-29.1	Peak	Horizontal
*	5981.0	36.1	7.9	44.0	83.4	-39.4	Peak	Horizontal
*	6856.5	36.9	10.6	47.5	83.4	-35.9	Peak	Horizontal
	4349.0	38.4	4.3	42.7	74.0	-31.3	Peak	Vertical
	5003.5	39.5	6.3	45.8	74.0	-28.2	Peak	Vertical
*	5760.0	37.2	7.4	44.6	83.4	-38.8	Peak	Vertical
*	7009.5	37.2	11.3	48.5	83.4	-34.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.4dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	01	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3881.5	38.0	3.0	41.0	74.0	-33.0	Peak	Horizontal
	4944.0	36.0	6.1	42.1	74.0	-31.9	Peak	Horizontal
*	6355.0	36.7	9.1	45.8	82.7	-36.9	Peak	Horizontal
*	9648.0	38.1	15.5	53.6	82.7	-29.1	Peak	Horizontal
	4051.5	37.0	3.5	40.5	74.0	-33.5	Peak	Vertical
	4893.0	37.0	6.0	43.0	74.0	-31.0	Peak	Vertical
*	6083.0	36.0	8.0	44.0	82.7	-38.7	Peak	Vertical
*	7111.5	36.6	12.2	48.8	82.7	-33.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3983.5	38.2	3.2	41.4	74.0	-32.6	Peak	Horizontal
	5003.5	38.9	6.3	45.2	74.0	-28.8	Peak	Horizontal
*	5751.5	35.5	7.4	42.9	94.7	-51.8	Peak	Horizontal
*	6899.0	35.8	10.8	46.6	94.7	-48.1	Peak	Horizontal
	4332.0	37.6	4.4	42.0	74.0	-32.0	Peak	Vertical
	5003.5	37.4	6.3	43.7	74.0	-30.3	Peak	Vertical
*	6023.5	36.8	7.9	44.7	94.7	-50.0	Peak	Vertical
*	6669.5	37.5	10.1	47.6	94.7	-47.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (124.7dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	11	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4102.5	37.5	3.6	41.1	74.0	-32.9	Peak	Horizontal
	4748.5	37.1	5.7	42.8	74.0	-31.2	Peak	Horizontal
*	6355.0	35.4	9.1	44.5	85.9	-41.4	Peak	Horizontal
*	6831.0	36.1	10.5	46.6	85.9	-39.3	Peak	Horizontal
	4009.0	36.8	3.4	40.2	74.0	-33.8	Peak	Vertical
	4791.0	35.7	5.8	41.5	74.0	-32.5	Peak	Vertical
*	5794.0	36.6	7.5	44.1	85.9	-41.8	Peak	Vertical
*	6312.5	37.4	8.8	46.2	85.9	-39.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.9dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	03	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	41.1	6.0	47.1	74.0	-26.9	Peak	Horizontal
	12110.0	40.3	17.4	57.7	74.0	-16.3	Peak	Horizontal
	12110.0	33.6	17.5	51.1	54.0	-2.9	Average	Horizontal
*	13095.5	35.0	18.7	53.7	76.3	-22.6	Peak	Horizontal
*	13818.0	34.1	20.6	54.7	76.3	-21.6	Peak	Horizontal
	4238.5	37.1	4.1	41.2	74.0	-32.8	Peak	Vertical
	4621.0	36.7	5.2	41.9	74.0	-32.1	Peak	Vertical
*	6032.0	35.7	7.9	43.6	76.3	-32.7	Peak	Vertical
*	6559.0	36.7	10.2	46.9	76.3	-29.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.3dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	06	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4255.5	36.5	4.2	40.7	74.0	-33.3	Peak	Horizontal
	4927.0	36.0	6.1	42.1	74.0	-31.9	Peak	Horizontal
*	6100.0	36.0	8.1	44.1	83.6	-39.5	Peak	Horizontal
*	6737.5	35.8	10.1	45.9	83.6	-37.7	Peak	Horizontal
	7311.0	42.6	12.5	55.1	74.0	-18.9	Peak	Vertical
	7311.0	35.8	12.5	48.3	54.0	-5.7	Average	Vertical
	12185.0	33.5	17.5	51.0	54.0	-3.0	Peak	Vertical
	12185.0	40.0	17.4	57.4	74.0	-16.6	Peak	Vertical
*	12849.0	35.1	18.6	53.7	83.6	-29.9	Peak	Vertical
*	13639.5	35.5	20.3	55.8	83.6	-27.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.6dBμV/m) or 15.209 which is higher.

Note 2: Measure 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+2+3	Test Site:	AC1
Test Channel:	09	Test Engineer:	Snake Ni
Antenna Type	Panel Antenna		
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 30dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4357.5	37.8	4.3	42.1	74.0	-31.9	Peak	Horizontal
	5003.5	37.3	6.3	43.6	74.0	-30.4	Peak	Horizontal
*	6244.5	35.2	8.6	43.8	81.9	-38.1	Peak	Horizontal
*	7086.0	35.9	11.9	47.8	81.9	-34.1	Peak	Horizontal
	4230.0	37.9	4.1	42.0	74.0	-32.0	Peak	Vertical
	4825.0	43.8	5.9	49.7	74.0	-24.3	Peak	Vertical
*	7239.0	38.1	12.7	50.8	81.9	-31.1	Peak	Vertical
*	9644.5	36.8	15.5	52.3	81.9	-29.6	Peak	Vertical

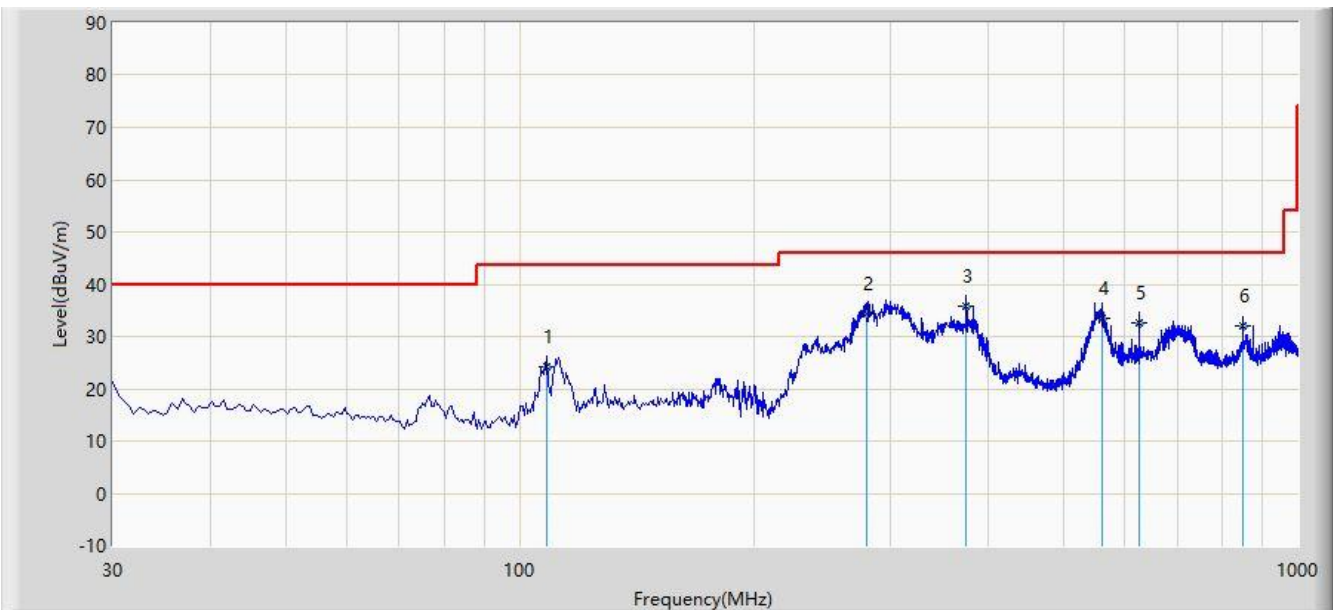
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dBμV/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/03/07 - 18:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Worst Case Mode: Transmit at Channel 2412MHz by 802.11n-HT20 Ant 0 + 1 + 2 + 3	



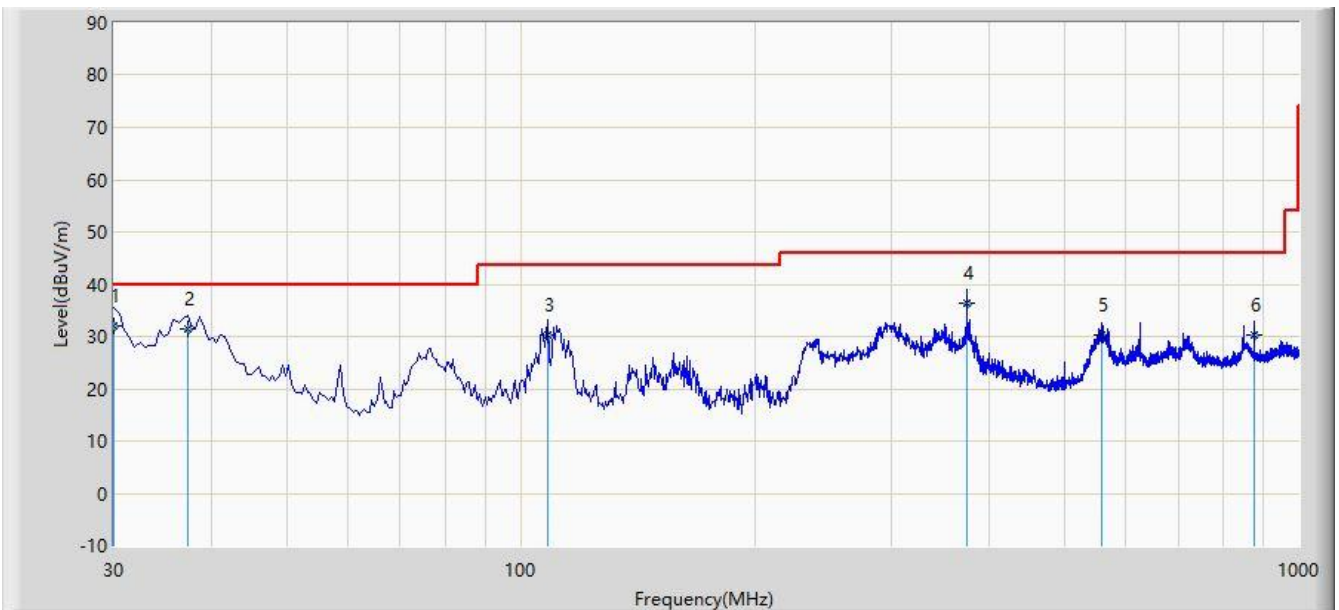
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			108.570	24.153	12.210	-19.347	43.500	11.943	QP
2			278.805	34.218	20.345	-11.782	46.000	13.873	QP
3		*	374.835	35.749	19.654	-10.251	46.000	16.094	QP
4			560.105	33.421	13.684	-12.579	46.000	19.737	QP
5			625.095	32.615	11.514	-13.385	46.000	21.101	QP
6			850.620	32.094	8.341	-13.906	46.000	23.754	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/03/07 - 18:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Worst Case Mode: Transmit at Channel 2412MHz by 802.11n-HT20 Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.000	31.957	18.242	-8.043	40.000	13.715	QP
2			37.275	31.518	17.252	-8.482	40.000	14.267	QP
3			108.570	30.158	18.215	-13.342	43.500	11.943	QP
4			374.835	36.509	20.414	-9.491	46.000	16.094	QP
5			557.195	30.208	10.524	-15.792	46.000	19.684	QP
6			875.355	30.317	6.250	-15.683	46.000	24.067	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

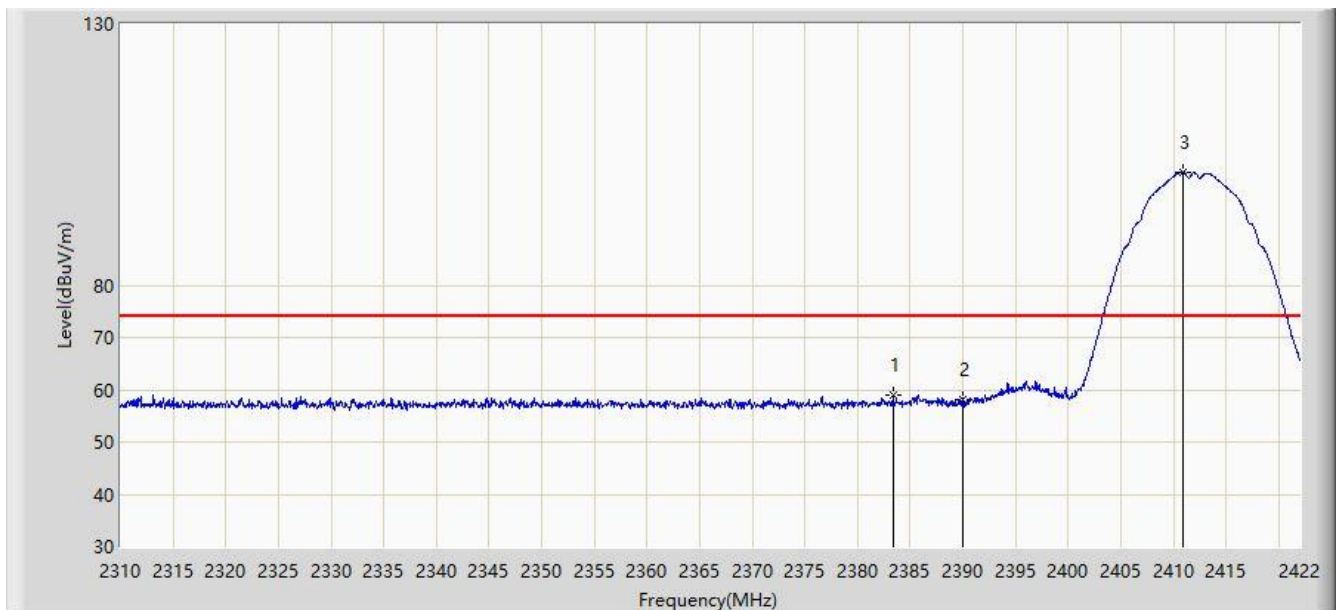
Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

For Dipole Antenna

Site: AC1	Time: 2018/02/10 - 06:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 0	

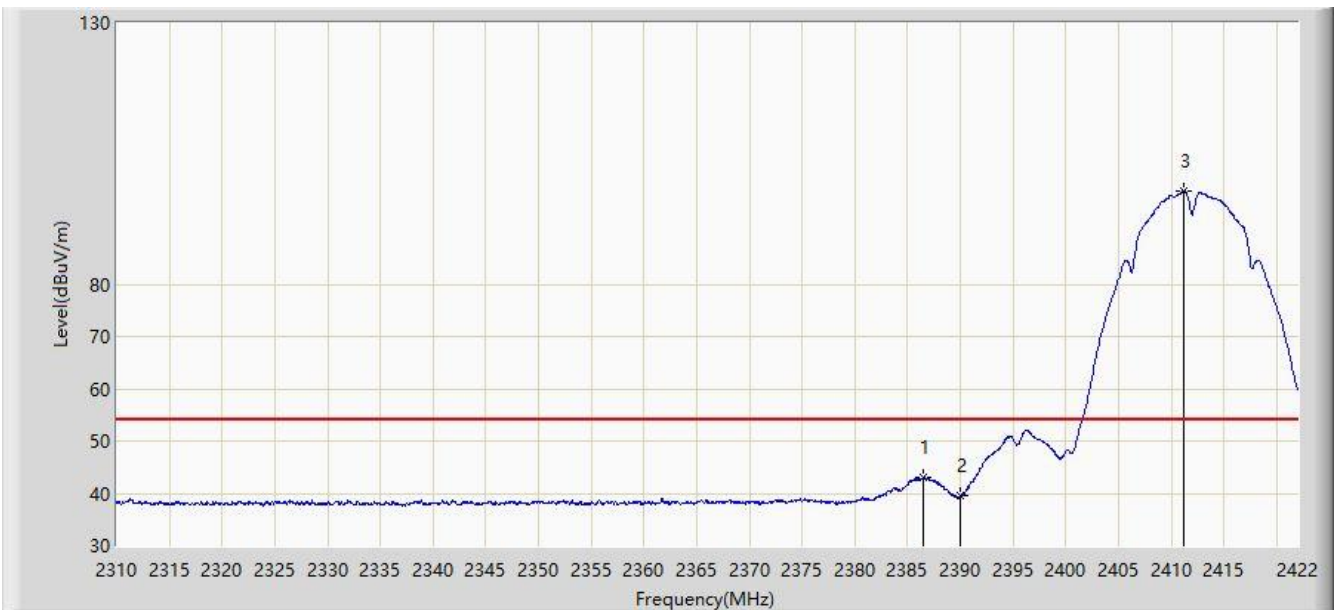


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.360	58.974	26.638	-15.026	74.000	32.336	PK
2			2390.000	58.136	25.809	-15.864	74.000	32.327	PK
3		*	2410.856	101.597	69.311	N/A	N/A	32.286	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 0	

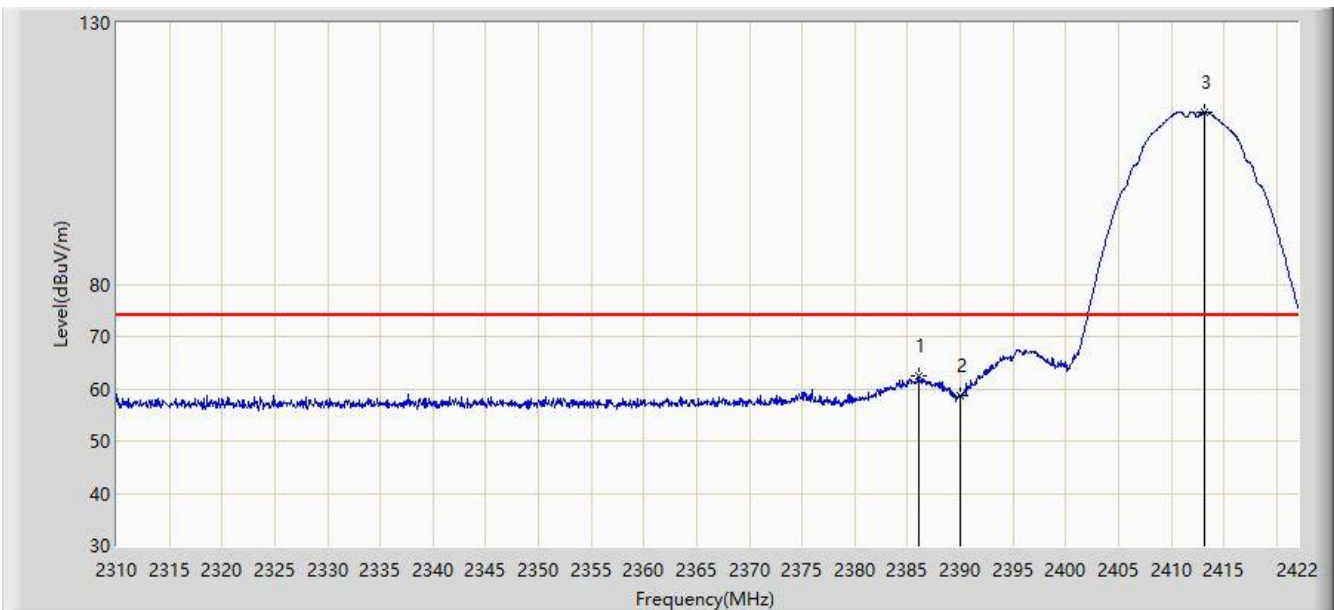


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.496	42.941	10.609	-11.059	54.000	32.332	AV
2			2390.000	39.497	7.170	-14.503	54.000	32.327	AV
3		*	2411.248	97.796	65.511	N/A	N/A	32.285	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 0	

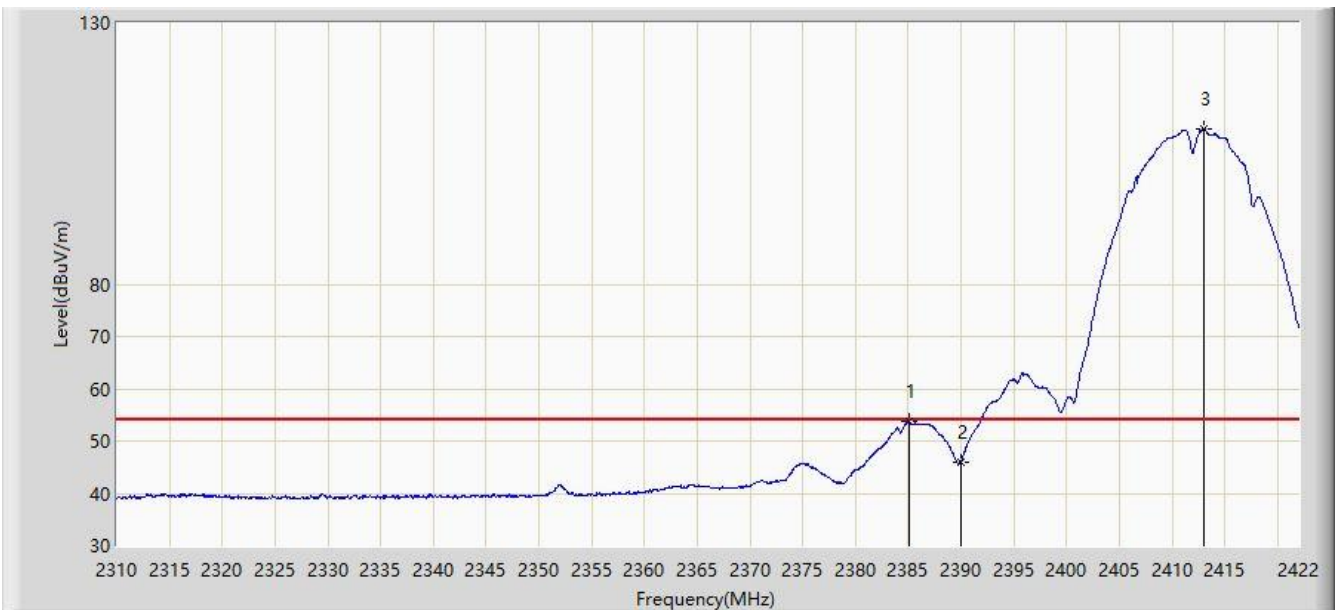


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.048	62.436	30.104	-11.564	74.000	32.332	PK
2			2390.000	58.646	26.319	-15.354	74.000	32.327	PK
3		*	2413.096	113.012	80.728	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 0	

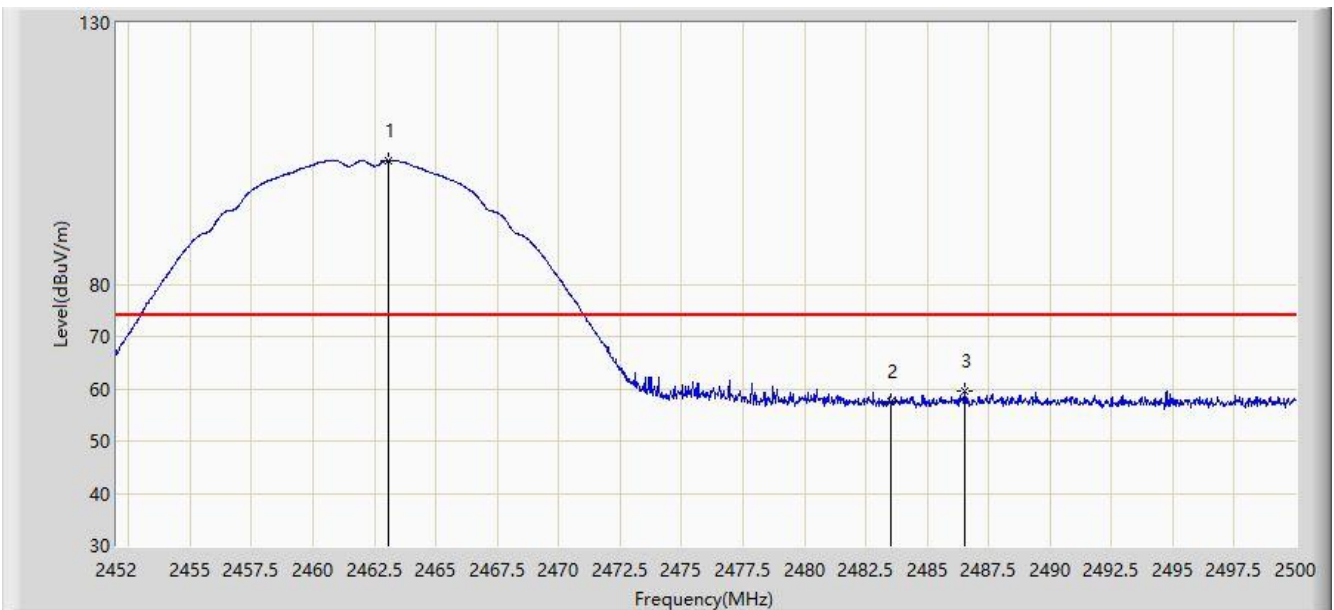


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.040	53.798	21.464	-0.202	54.000	32.334	AV
2			2390.000	46.065	13.738	-7.935	54.000	32.327	AV
3	X	*	2412.984	109.793	77.509	N/A	N/A	32.285	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: 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		*	2463.064	103.669	71.387	N/A	N/A	32.282	PK
2			2483.500	57.545	25.206	-16.455	74.000	32.340	PK
3			2486.536	59.448	27.097	-14.552	74.000	32.351	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2462MHz Ant 0	

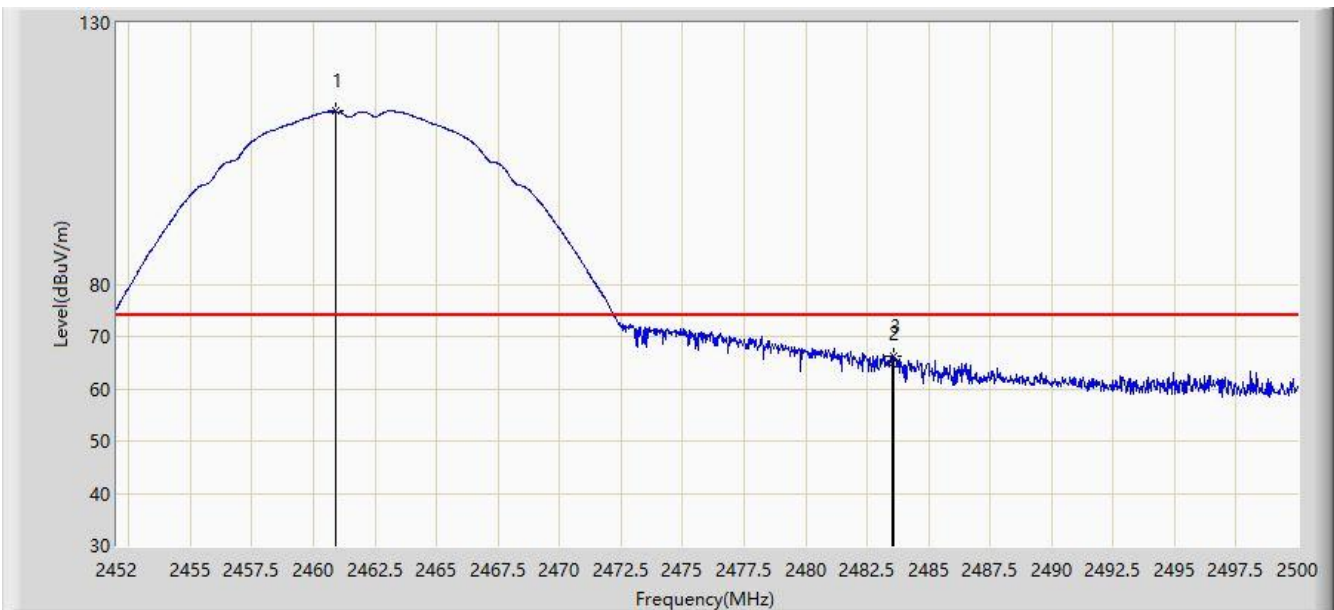


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	100.216	67.937	N/A	N/A	32.279	AV
2			2483.500	40.293	7.954	-13.707	54.000	32.340	AV
3			2488.504	43.758	11.399	-10.242	54.000	32.359	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: 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		*	2460.880	113.081	80.803	N/A	N/A	32.278	PK
2			2483.500	64.798	32.459	-9.202	74.000	32.340	PK
3			2483.560	66.328	33.989	-7.672	74.000	32.340	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2462MHz Ant 0	

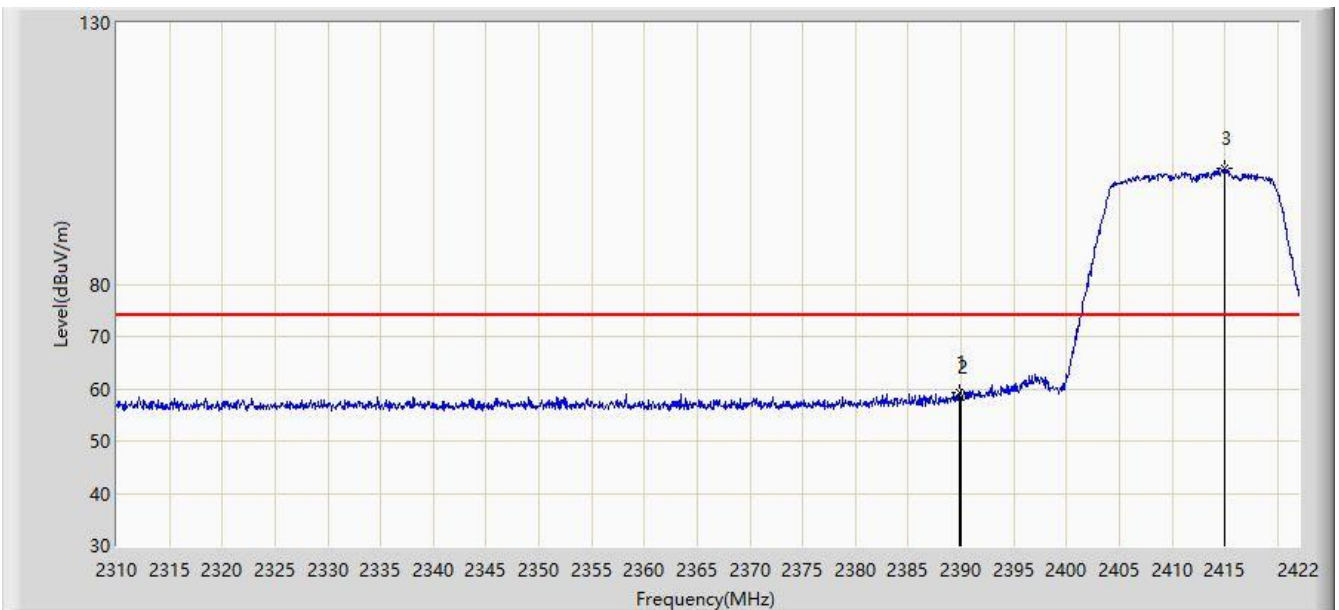


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	X	*	2462.968	110.206	77.924	N/A	N/A	32.282	AV
2			2483.500	45.776	13.437	-8.224	54.000	32.340	AV
3			2488.648	50.778	18.419	-3.222	54.000	32.359	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 0	

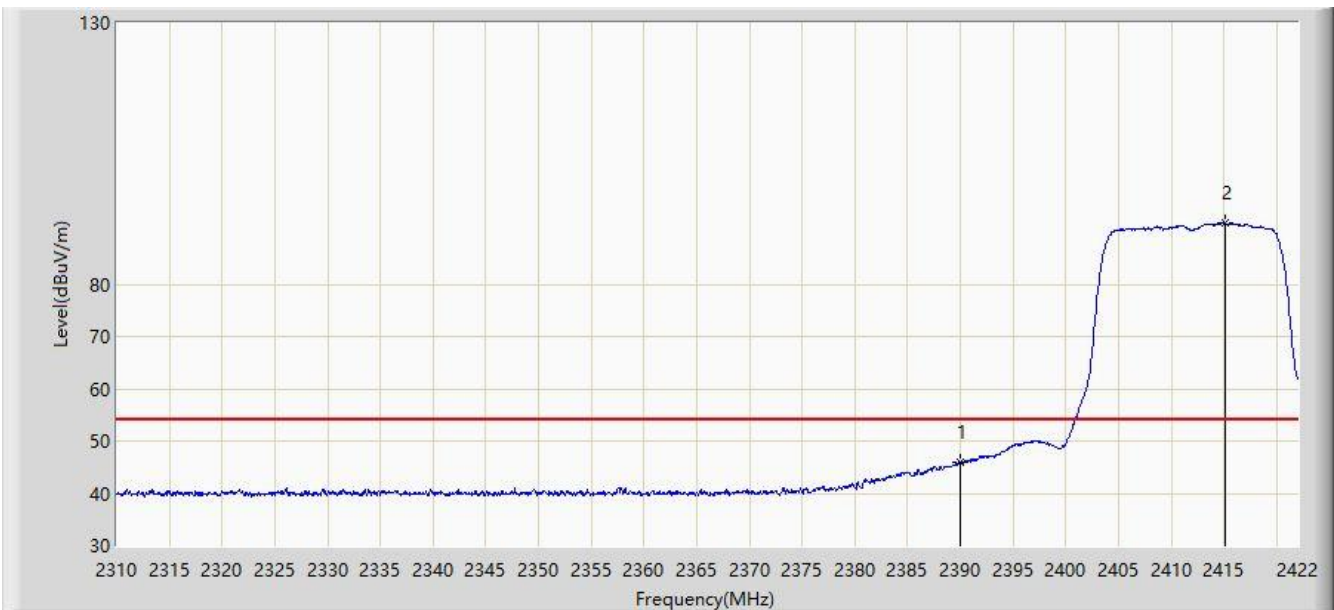


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.800	59.215	26.888	-14.785	74.000	32.327	PK
2			2390.000	58.420	26.093	-15.580	74.000	32.327	PK
3		*	2414.944	102.157	69.873	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 0	

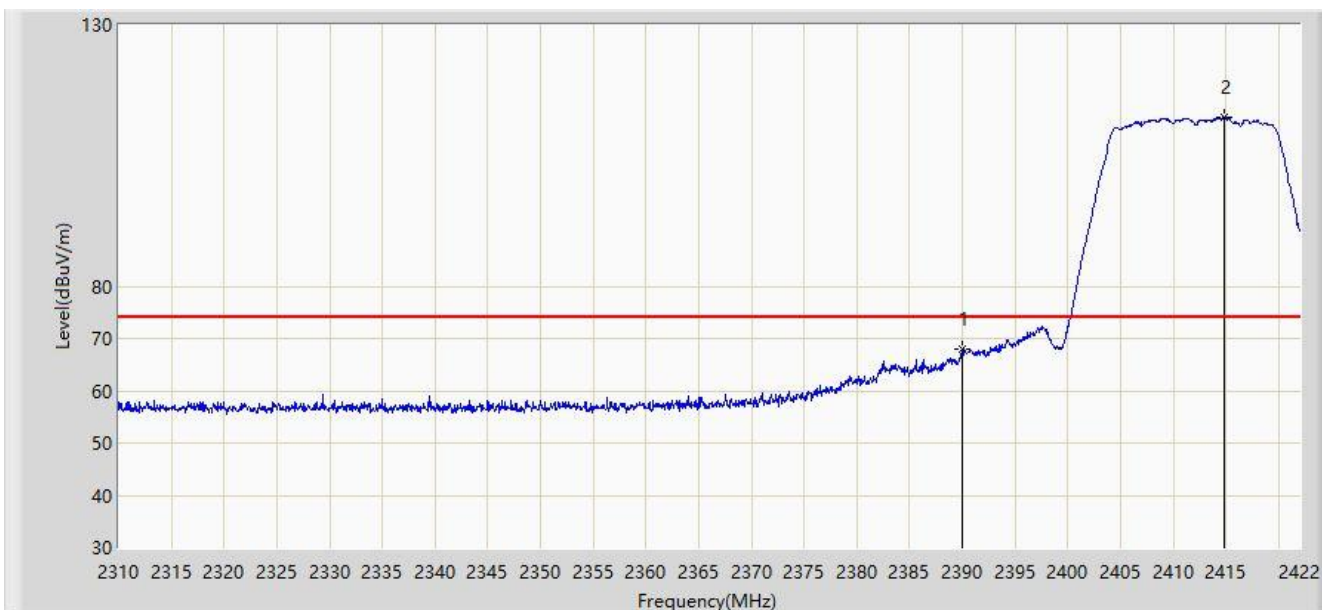


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.005	13.678	-7.995	54.000	32.327	AV
2		*	2415.112	91.756	59.472	N/A	N/A	32.284	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 0	

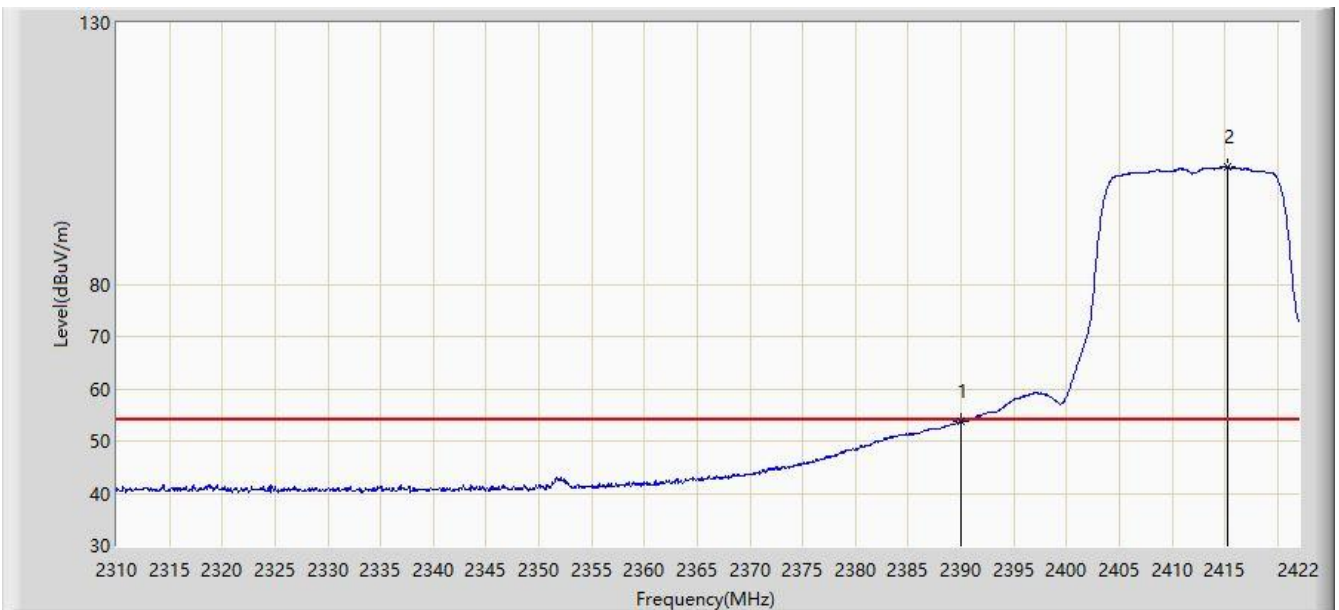


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	67.943	35.616	-6.057	74.000	32.327	PK
2		*	2414.888	112.450	80.166	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 0	

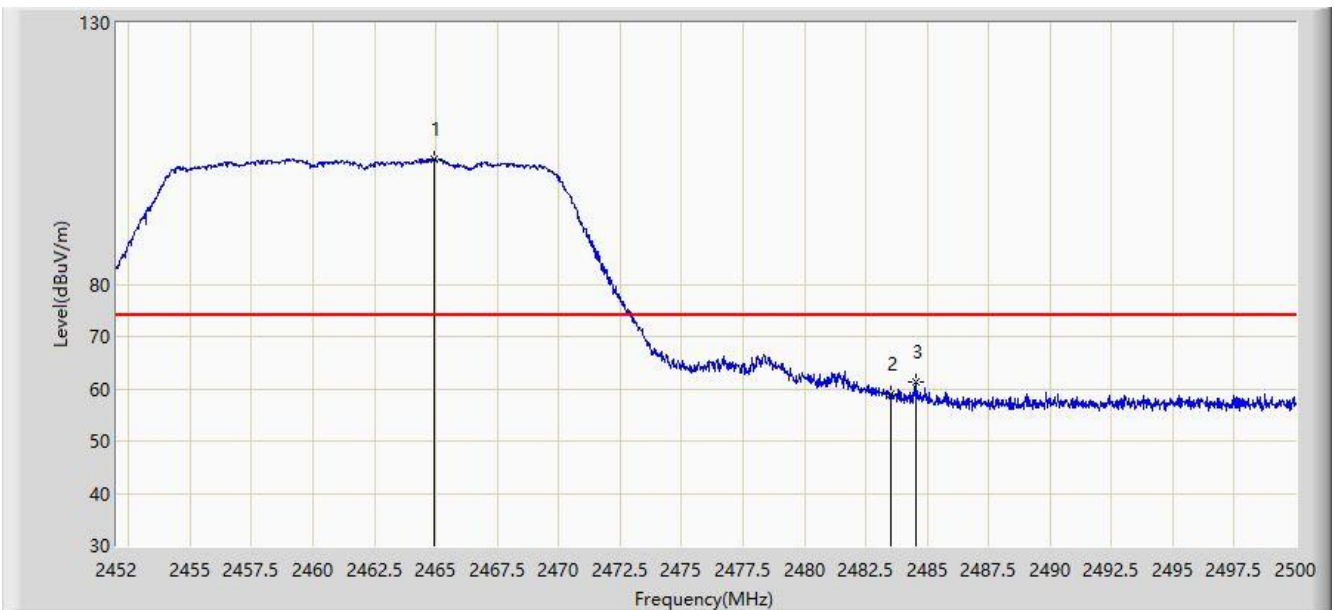


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.661	21.334	-0.339	54.000	32.327	AV
2		*	2415.224	102.557	70.274	N/A	N/A	32.283	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 0	

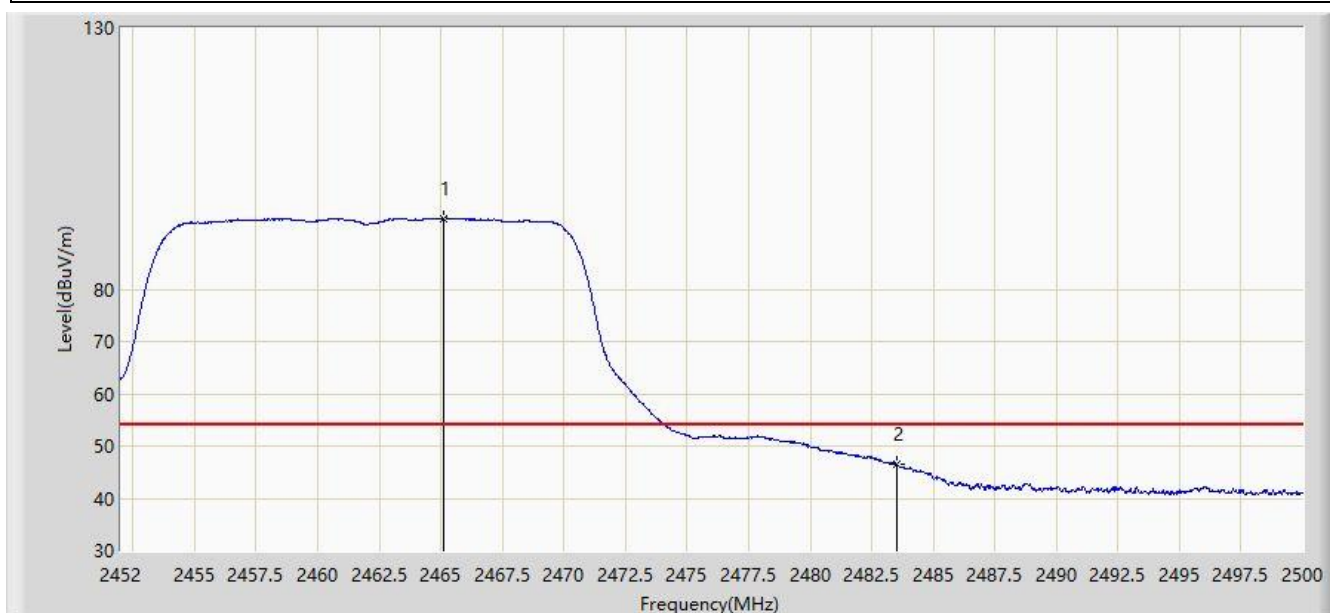


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.960	104.046	71.760	N/A	N/A	32.286	PK
2			2483.500	58.964	26.625	-15.036	74.000	32.340	PK
3			2484.520	61.299	28.956	-12.701	74.000	32.343	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 0	

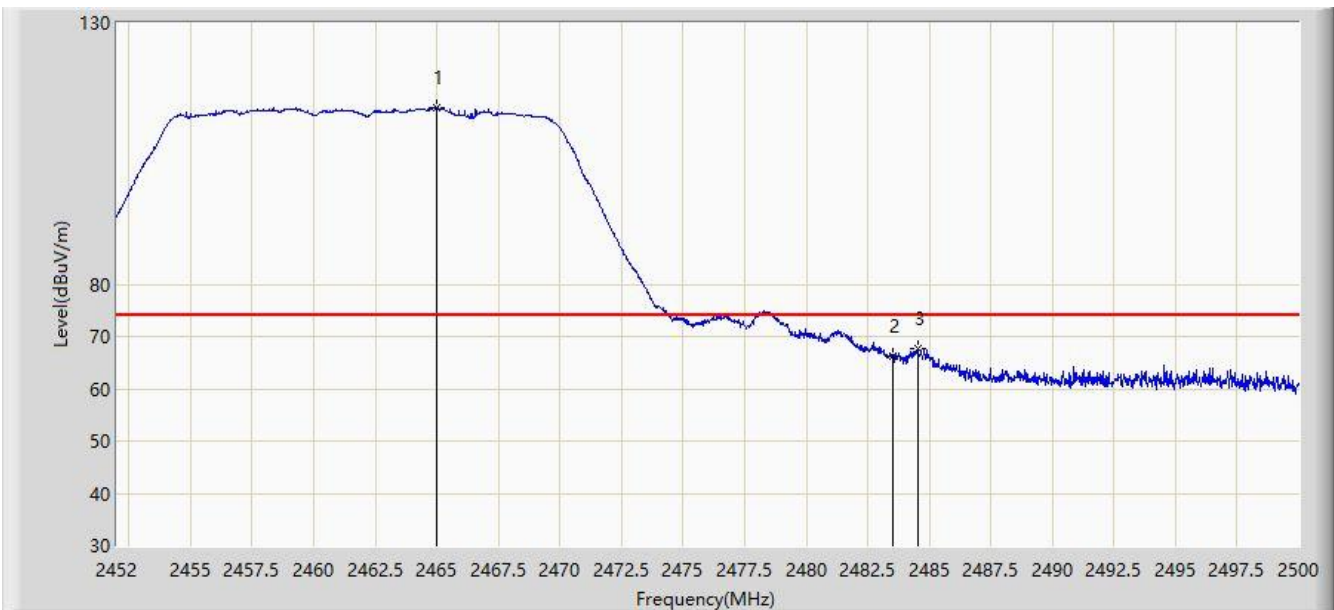


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.128	93.549	61.262	N/A	N/A	32.286	AV
2			2483.500	46.436	14.097	-7.564	54.000	32.340	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 0	

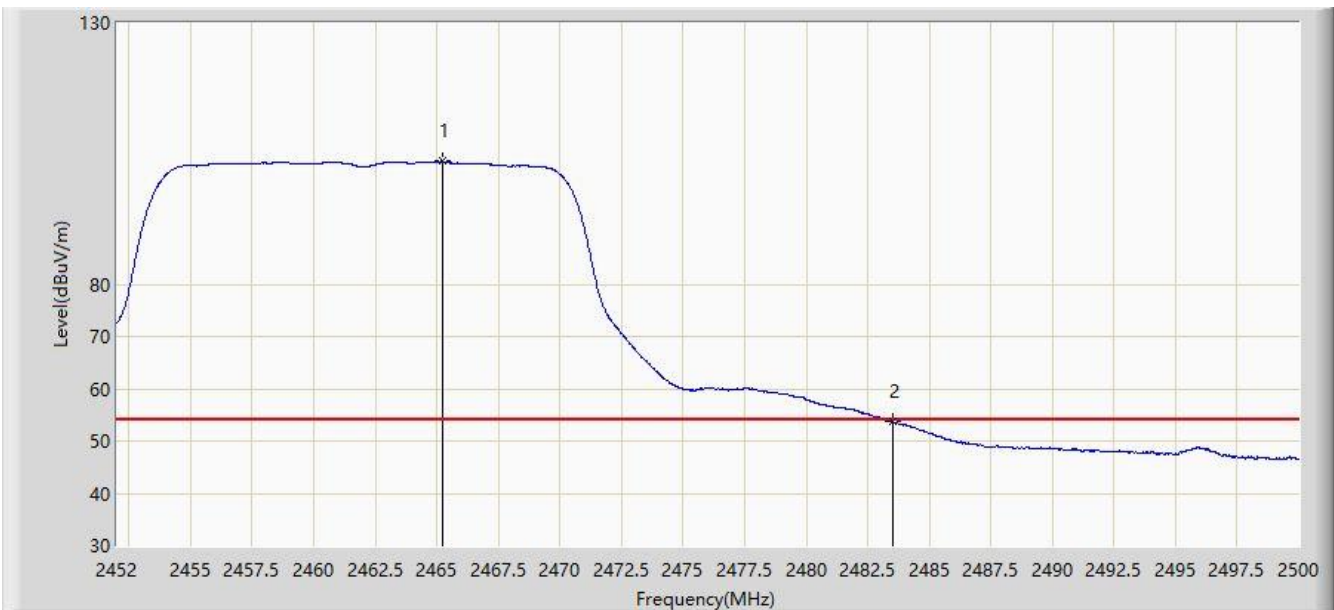


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.008	113.772	81.486	N/A	N/A	32.286	PK
2			2483.500	66.320	33.981	-7.680	74.000	32.340	PK
3			2484.544	67.568	35.225	-6.432	74.000	32.344	PK

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

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

Site: AC1	Time: 2018/02/10 - 07:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 0	

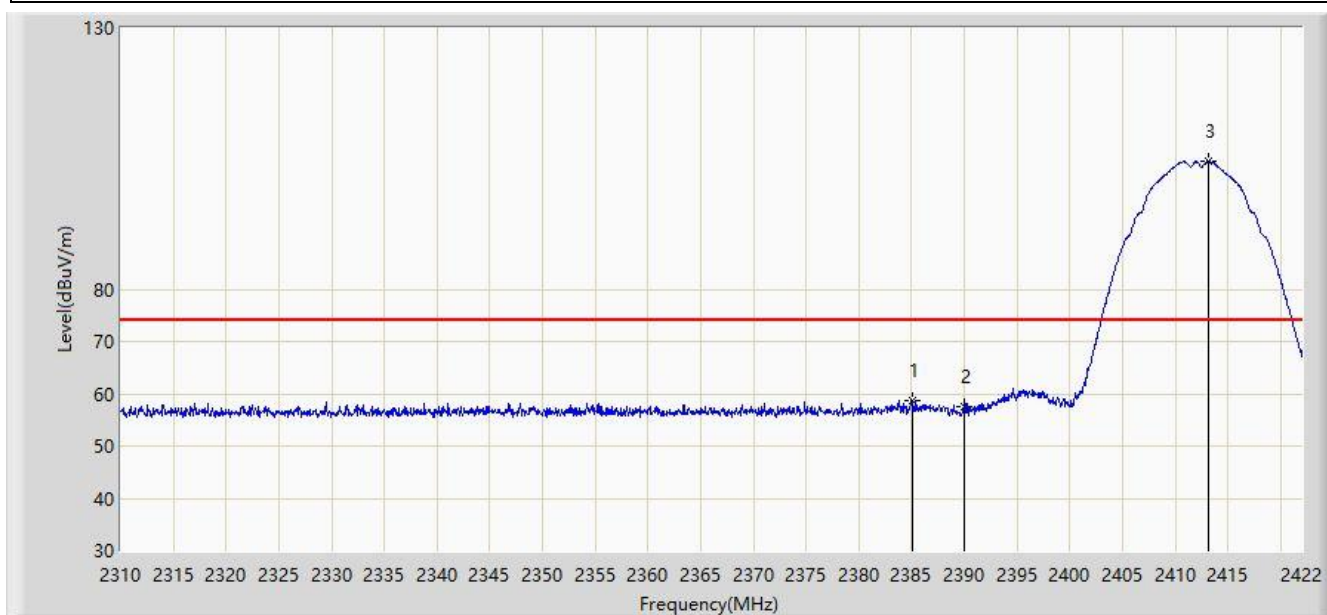


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.224	103.495	71.208	N/A	N/A	32.287	AV
2			2483.500	53.647	21.308	-0.353	54.000	32.340	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11bgn Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412Mz Ant 1	

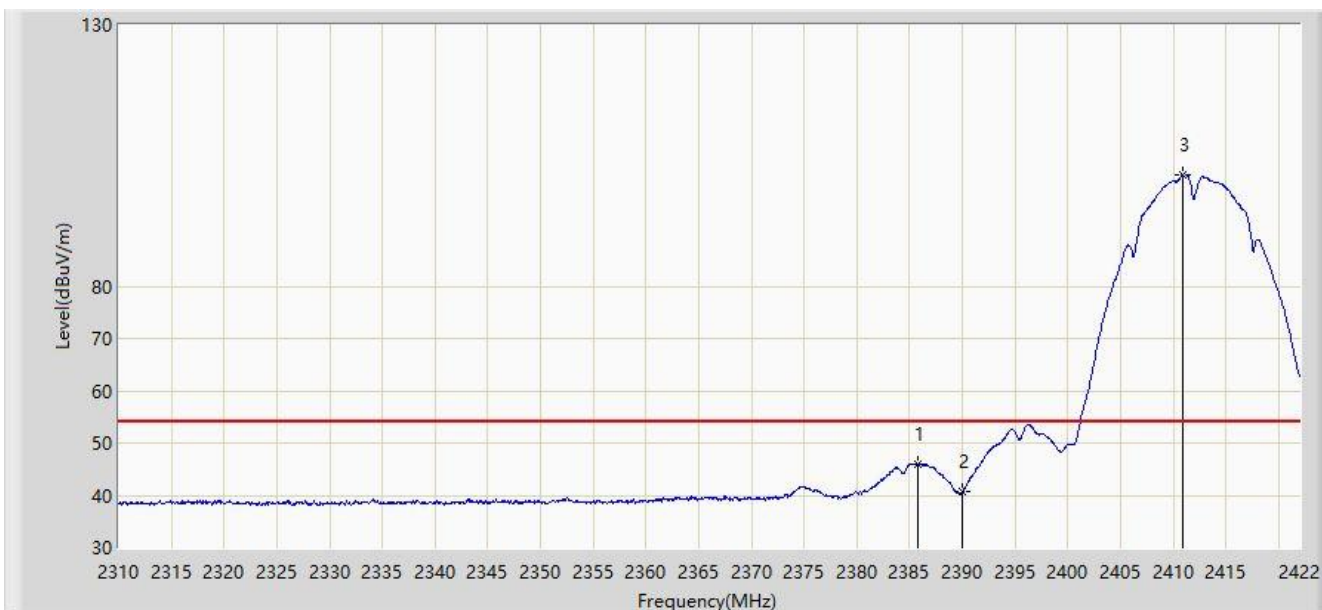


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.040	58.802	26.468	-15.198	74.000	32.334	PK
2			2390.000	57.495	25.168	-16.505	74.000	32.327	PK
3		*	2413.152	104.440	72.156	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 1	

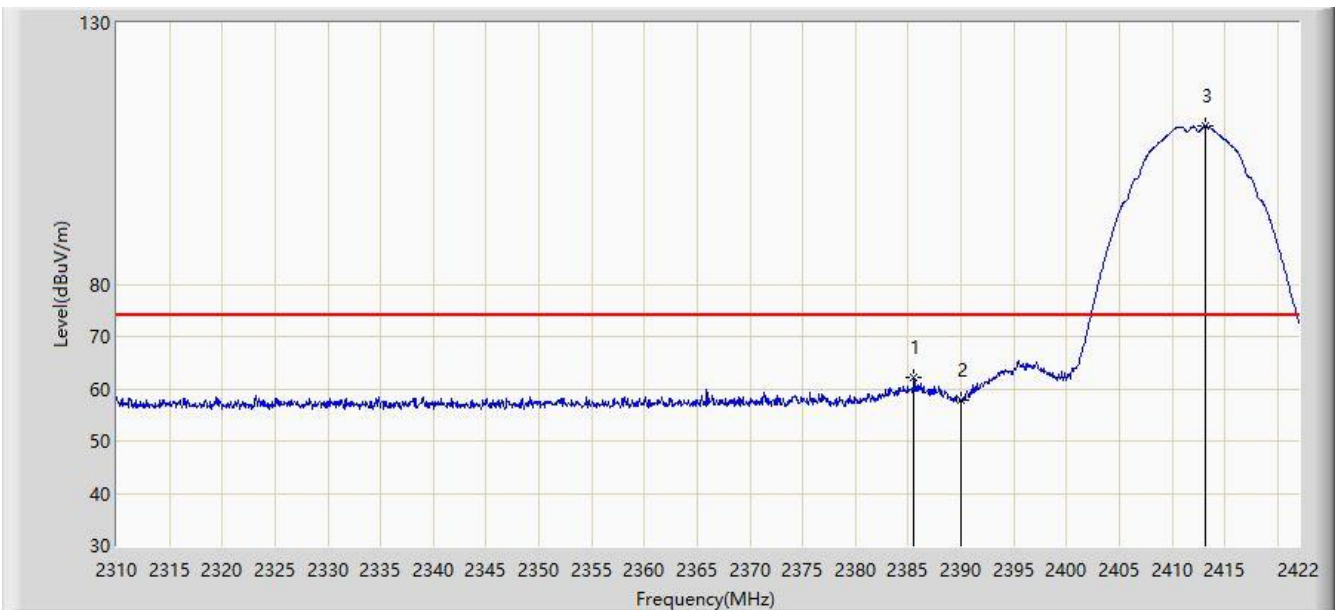


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.768	46.031	13.698	-7.969	54.000	32.333	AV
2			2390.000	40.700	8.373	-13.300	54.000	32.327	AV
3		*	2410.856	101.295	69.009	N/A	N/A	32.286	AV

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

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

Site: AC1	Time: 2018/02/10 - 07:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 1	

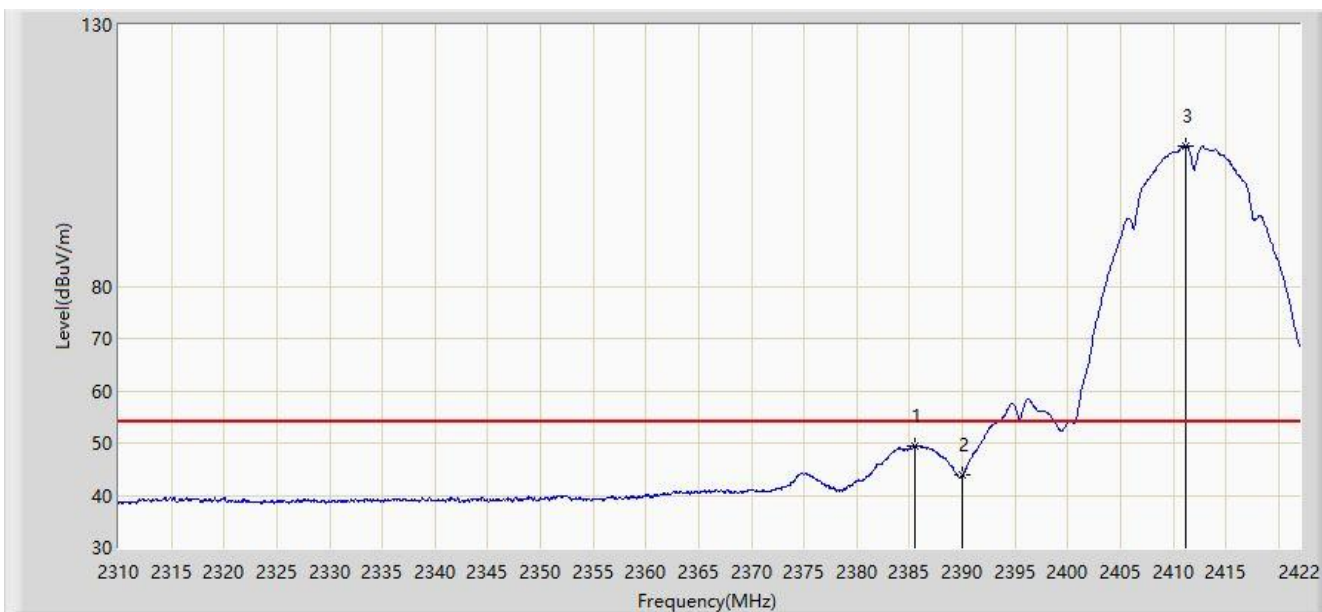


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.544	62.214	29.881	-11.786	74.000	32.333	PK
2			2390.000	57.750	25.423	-16.250	74.000	32.327	PK
3		*	2413.096	110.216	77.932	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 1	

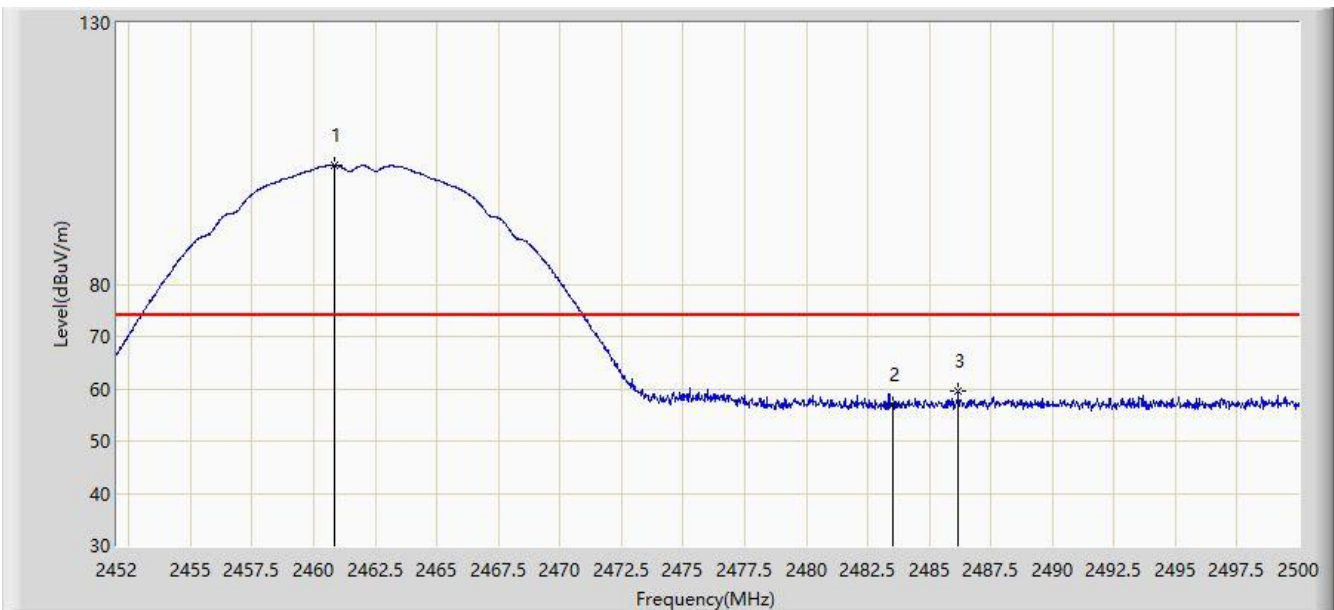


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.488	49.474	17.141	-4.526	54.000	32.333	AV
2			2390.000	43.815	11.488	-10.185	54.000	32.327	AV
3		*	2411.248	106.944	74.659	N/A	N/A	32.285	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2462MHz Ant 1	

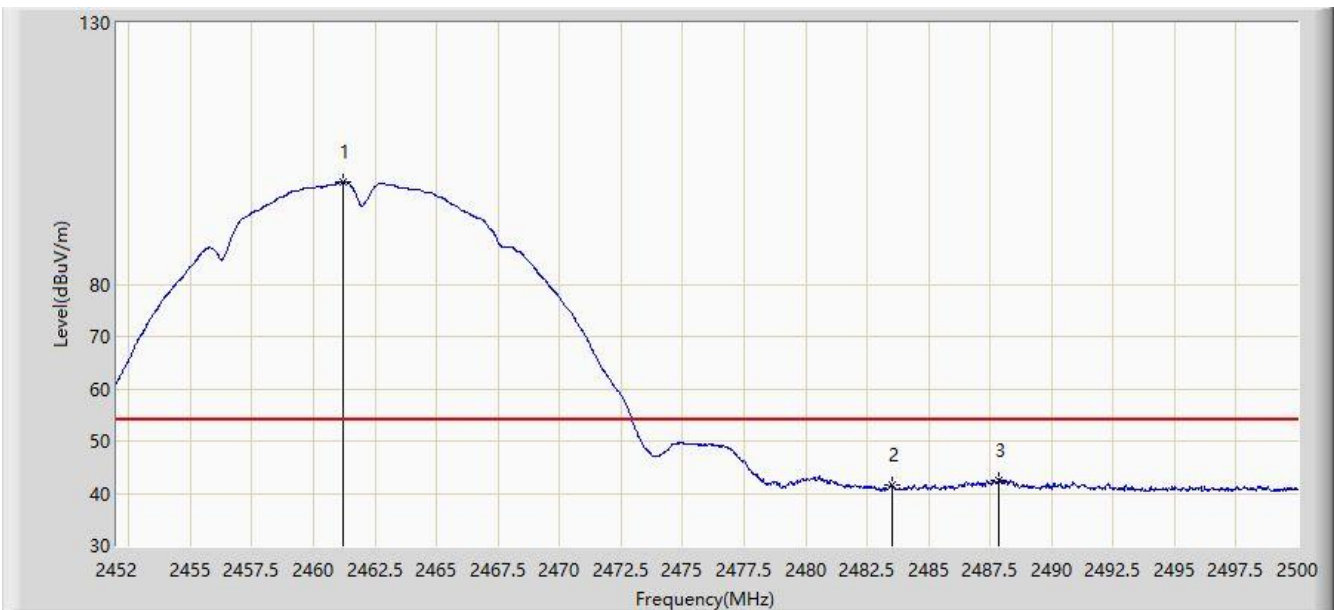


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.856	102.751	70.473	N/A	N/A	32.278	PK
2			2483.500	57.043	24.704	-16.957	74.000	32.340	PK
3			2486.176	59.544	27.194	-14.456	74.000	32.349	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2462MHz Ant 1	

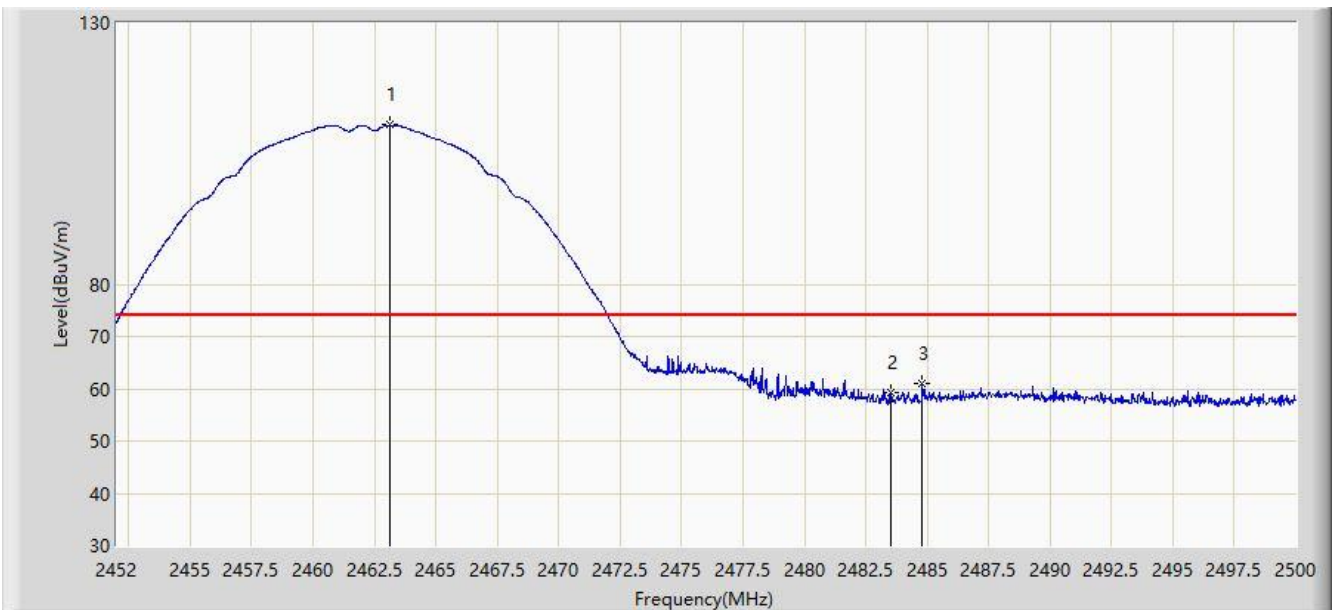


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.216	99.677	67.398	N/A	N/A	32.279	AV
2			2483.500	41.480	9.141	-12.520	54.000	32.340	AV
3			2487.832	42.586	10.230	-11.414	54.000	32.356	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: 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		*	2463.136	110.444	78.162	N/A	N/A	32.282	PK
2			2483.500	59.142	26.803	-14.858	74.000	32.340	PK
3			2484.808	61.113	28.769	-12.887	74.000	32.344	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2462MHz Ant 1	

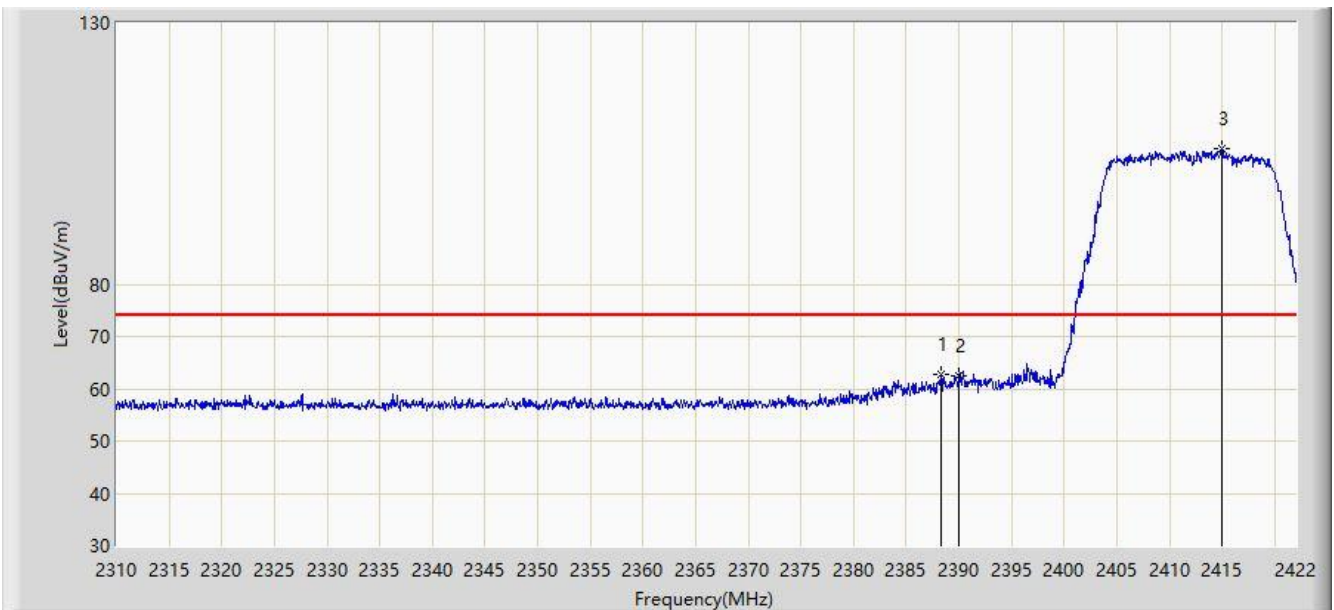


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	107.457	75.179	N/A	N/A	32.278	AV
2			2483.500	43.736	11.397	-10.264	54.000	32.340	AV
3			2488.984	48.064	15.703	-5.936	54.000	32.361	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 1	

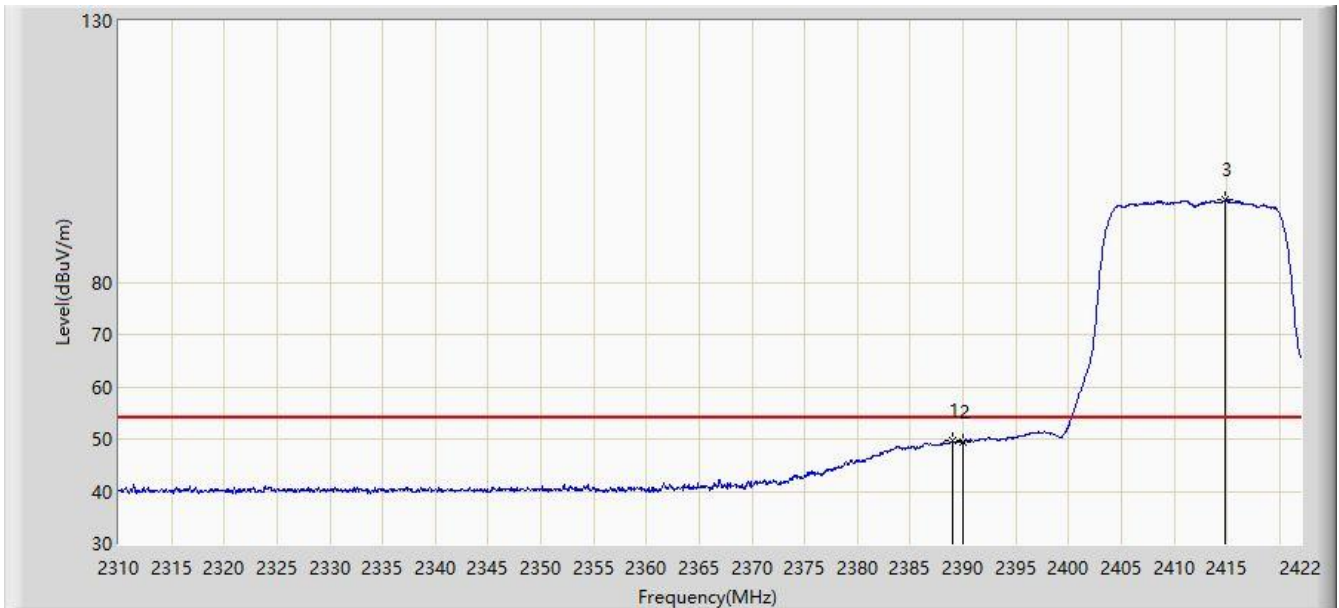


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.344	62.666	30.337	-11.334	74.000	32.329	PK
2			2390.000	62.321	29.994	-11.679	74.000	32.327	PK
3		*	2414.944	105.959	73.675	N/A	N/A	32.284	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 1	

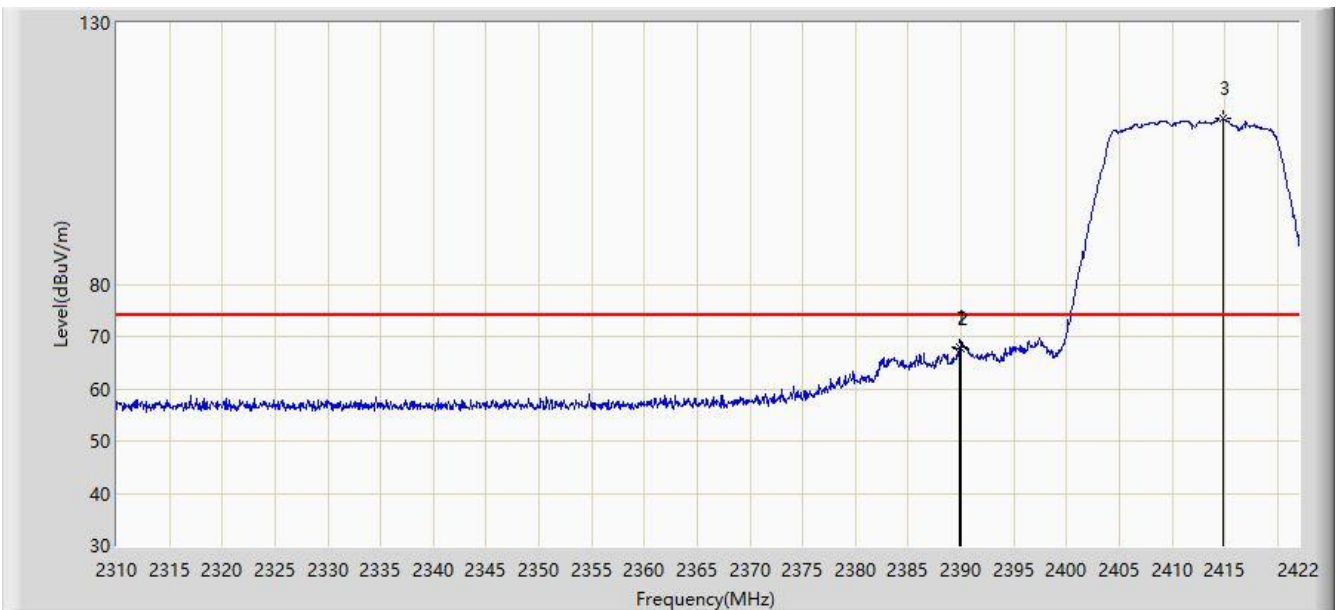


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.960	49.644	17.316	-4.356	54.000	32.328	AV
2			2390.000	49.516	17.189	-4.484	54.000	32.327	AV
3		*	2414.888	95.689	63.405	N/A	N/A	32.284	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 1	

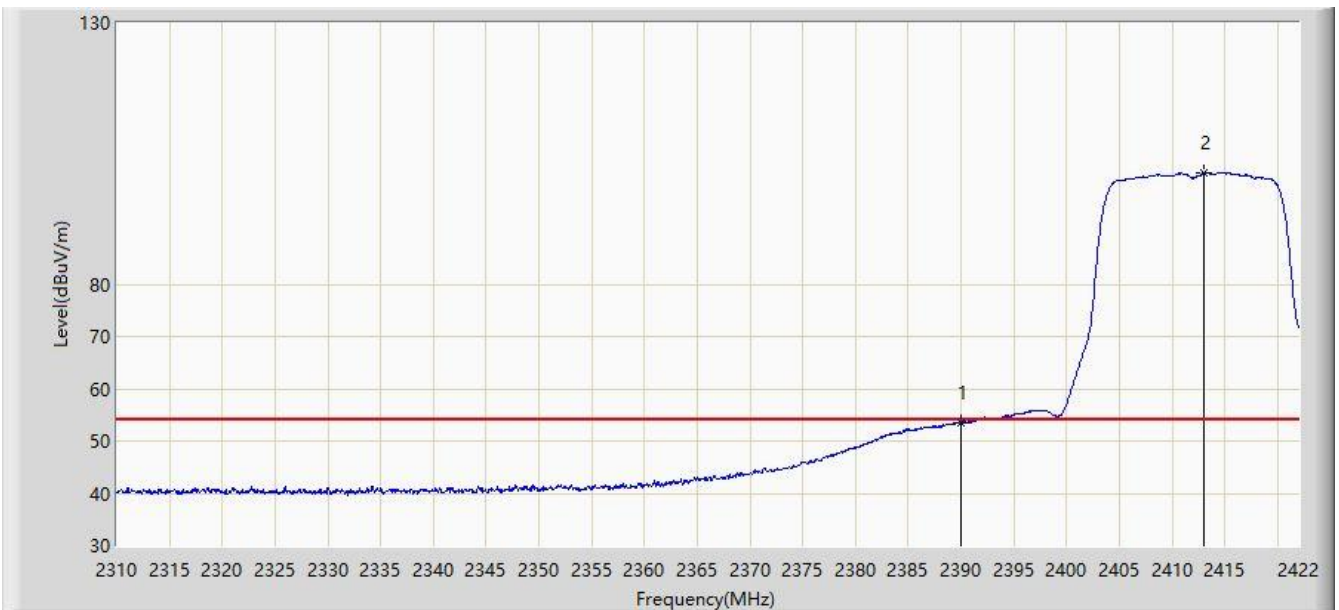


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.912	67.923	35.596	-6.077	74.000	32.327	PK
2			2390.000	67.591	35.264	-6.409	74.000	32.327	PK
3		*	2414.776	111.607	79.323	N/A	N/A	32.283	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2412MHz Ant 1	

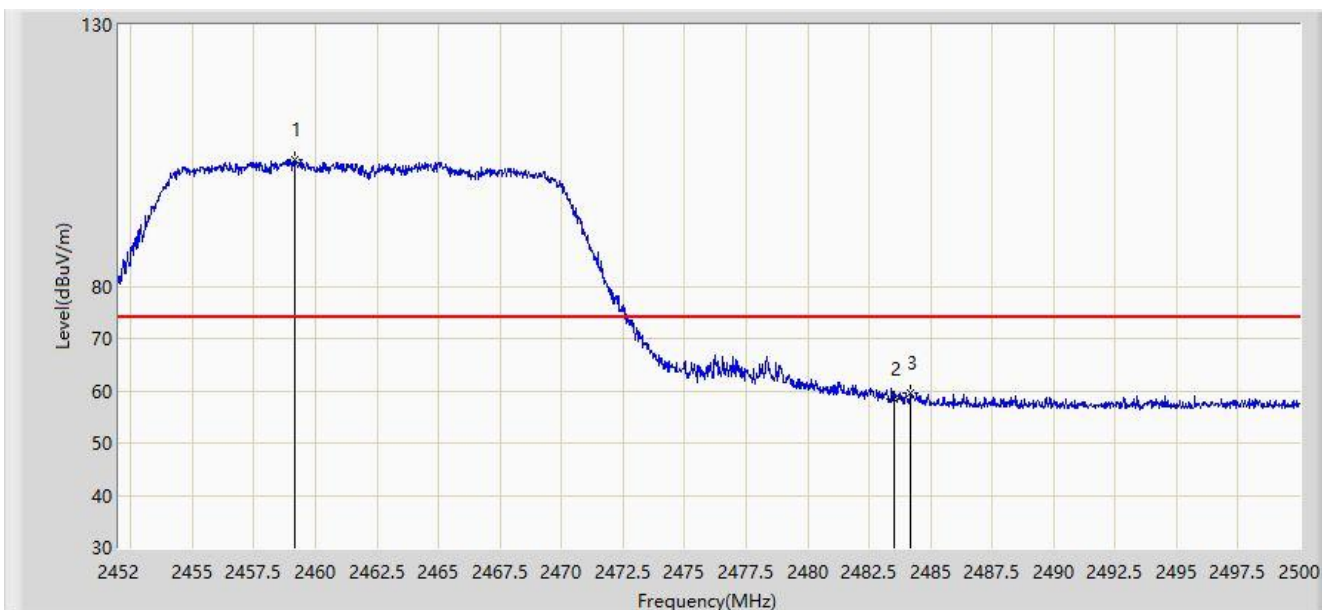


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.586	21.259	-0.414	54.000	32.327	AV
2		*	2412.984	101.396	69.112	N/A	N/A	32.285	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g 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		*	2459.128	104.070	71.795	N/A	N/A	32.275	PK
2			2483.500	58.487	26.148	-15.513	74.000	32.340	PK
3			2484.208	59.632	27.290	-14.368	74.000	32.342	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 1	

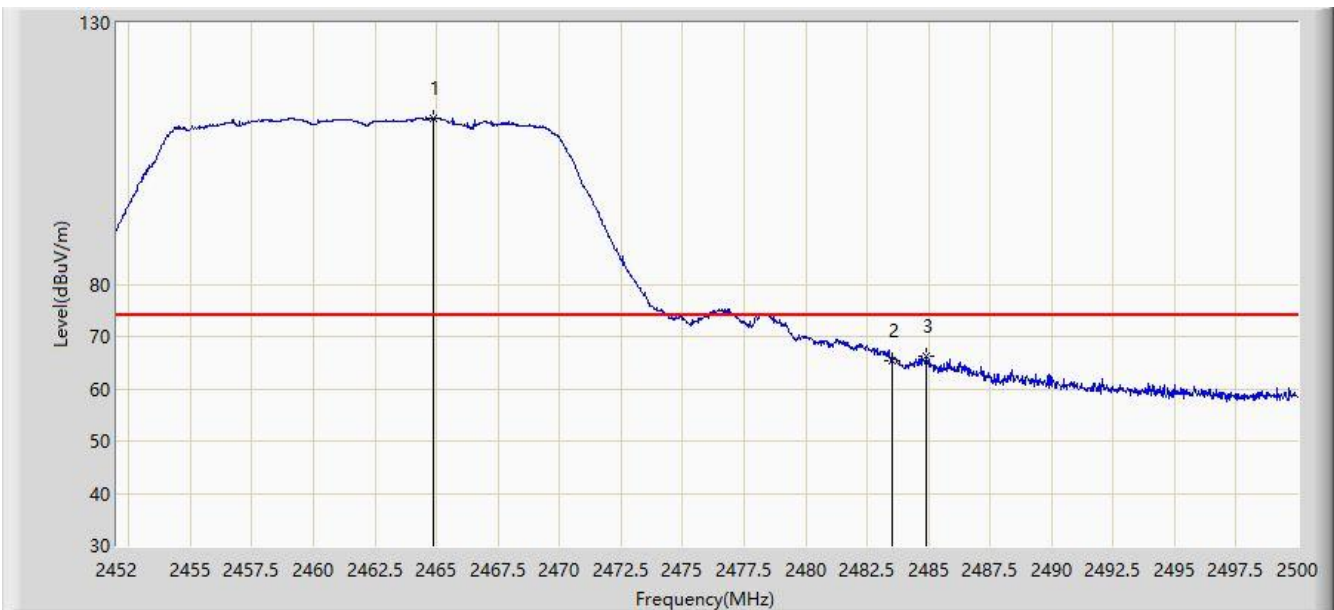


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.240	93.879	61.606	N/A	N/A	32.273	AV
2			2483.500	47.274	14.935	-6.726	54.000	32.340	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 1	

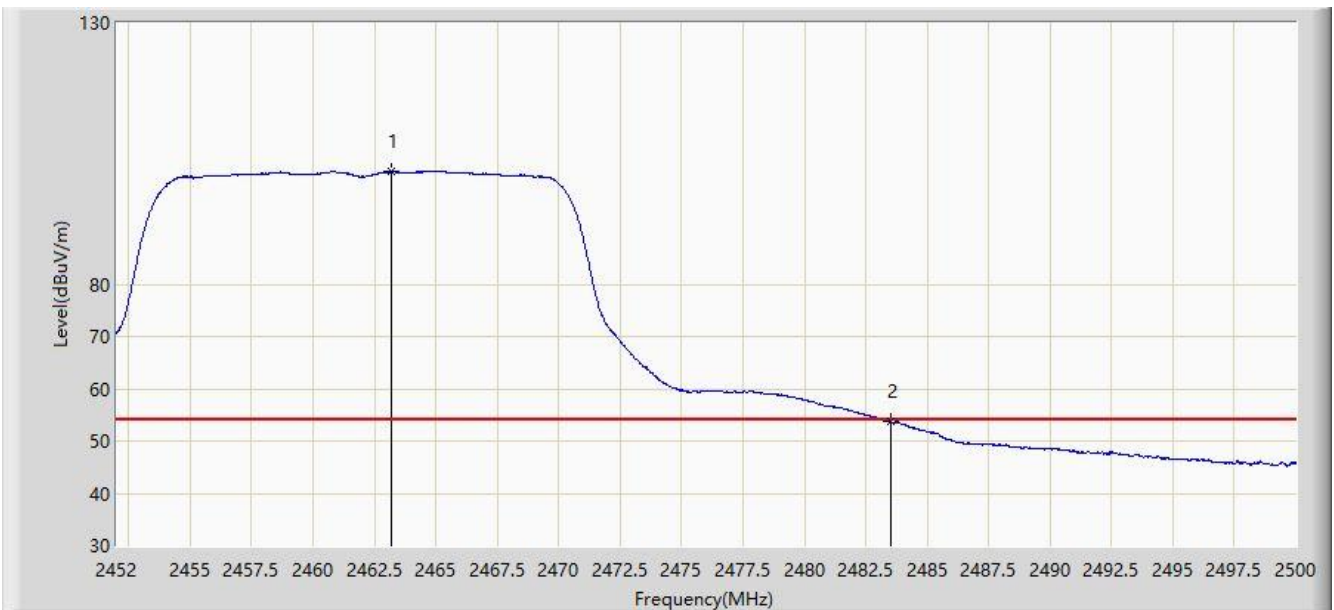


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.888	111.853	79.567	N/A	N/A	32.286	PK
2			2483.500	65.473	33.134	-8.527	74.000	32.340	PK
3			2484.928	66.209	33.864	-7.791	74.000	32.345	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11g at Channel 2462MHz Ant 1	

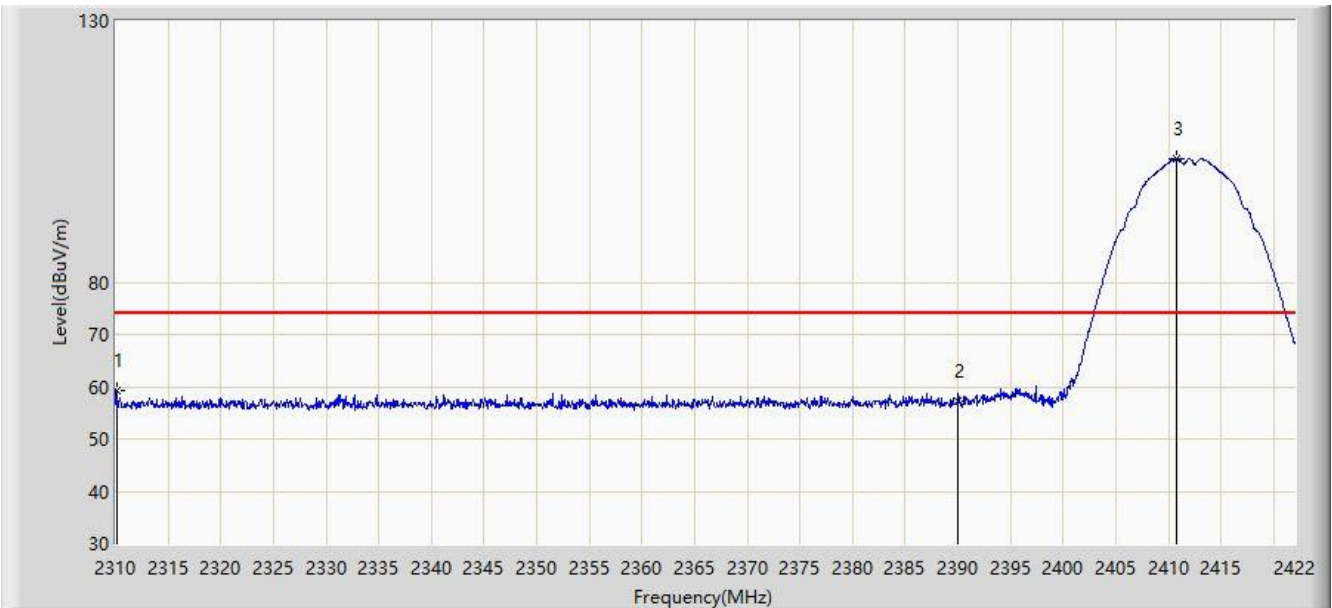


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.160	101.591	69.309	N/A	N/A	32.282	AV
2			2483.500	53.646	21.307	-0.354	54.000	32.340	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 2	

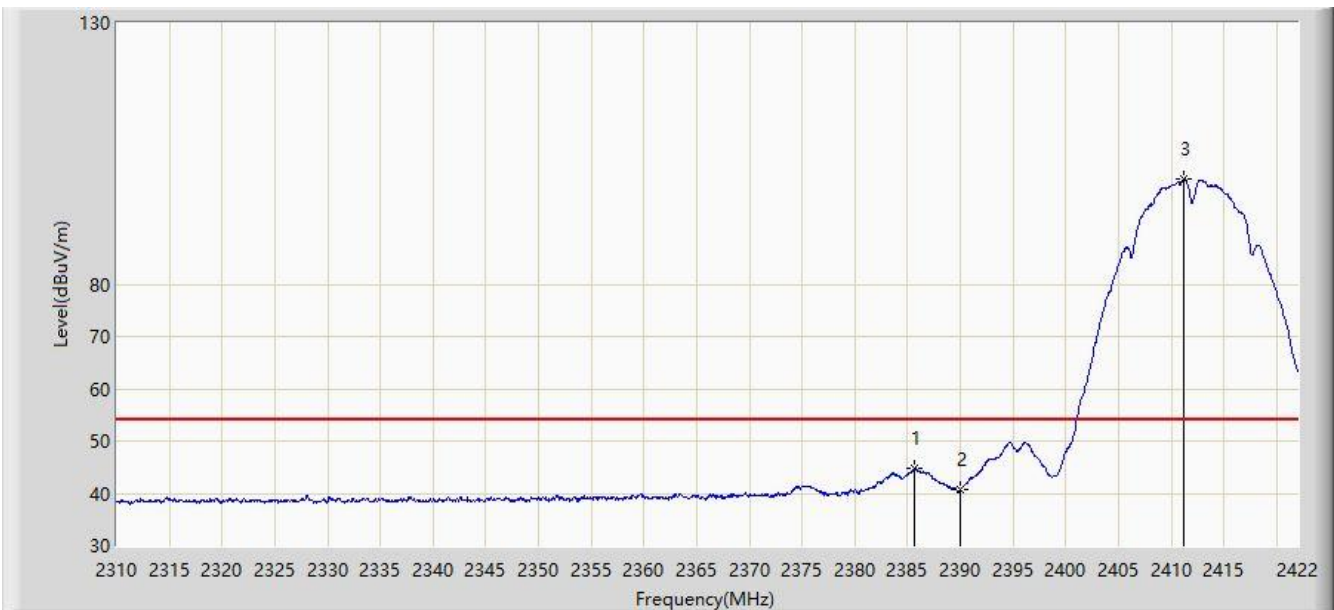


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2310.112	59.372	26.820	-14.628	74.000	32.553	PK
2			2390.000	57.130	24.803	-16.870	74.000	32.327	PK
3		*	2410.800	103.632	71.346	N/A	N/A	32.286	PK

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

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

Site: AC1	Time: 2018/02/10 - 08:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 2	

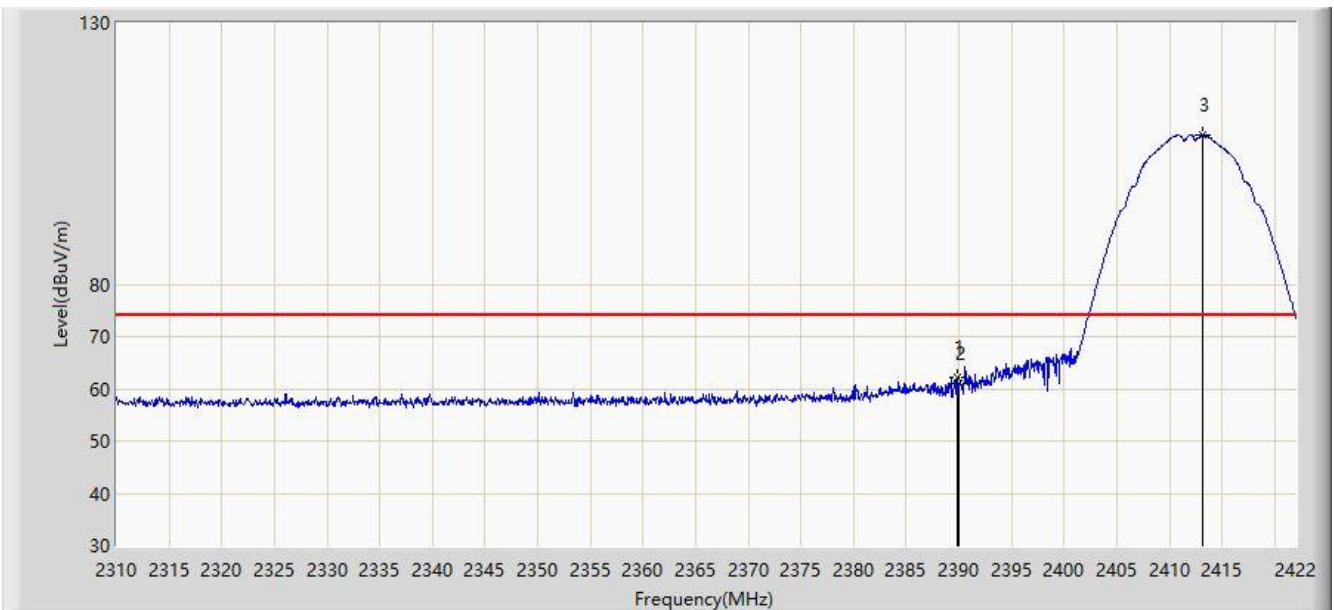


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.712	44.693	12.360	-9.307	54.000	32.333	AV
2			2390.000	40.696	8.369	-13.304	54.000	32.327	AV
3		*	2411.192	100.091	67.806	N/A	N/A	32.285	AV

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

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

Site: AC1	Time: 2018/02/10 - 08:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 4x4 Wave-2 802.11BGN Mini PCIe WiFi Module	Power: DC 3.3V
Note: Transmit by 802.11b at Channel 2412MHz Ant 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.800	62.066	29.739	-11.934	74.000	32.327	PK
2			2390.000	61.037	28.710	-12.963	74.000	32.327	PK
3		*	2413.096	108.531	76.247	N/A	N/A	32.284	PK

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

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