

7.6. Radiated Band Edge and 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 D01v03r01 – Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r01 – Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r01 – Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r01

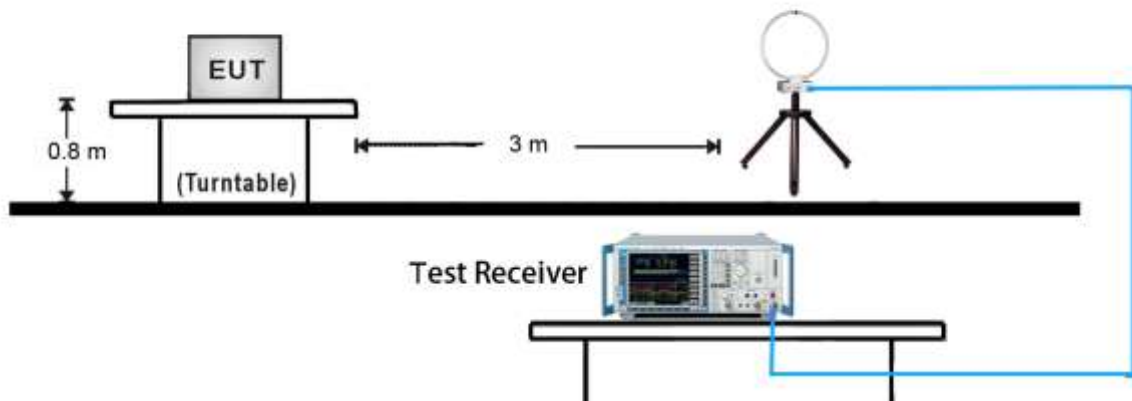
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements per Section 12.2.5.1 of KDB 558074 D01v03r01

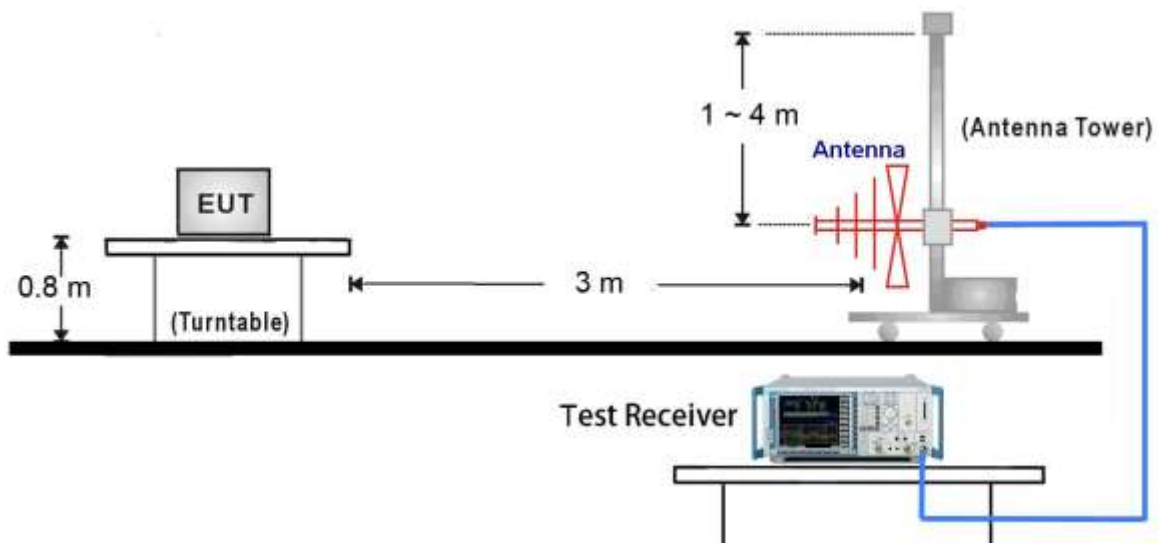
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $> 2 \times \text{span}/\text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging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

7.6.4. Test Setup

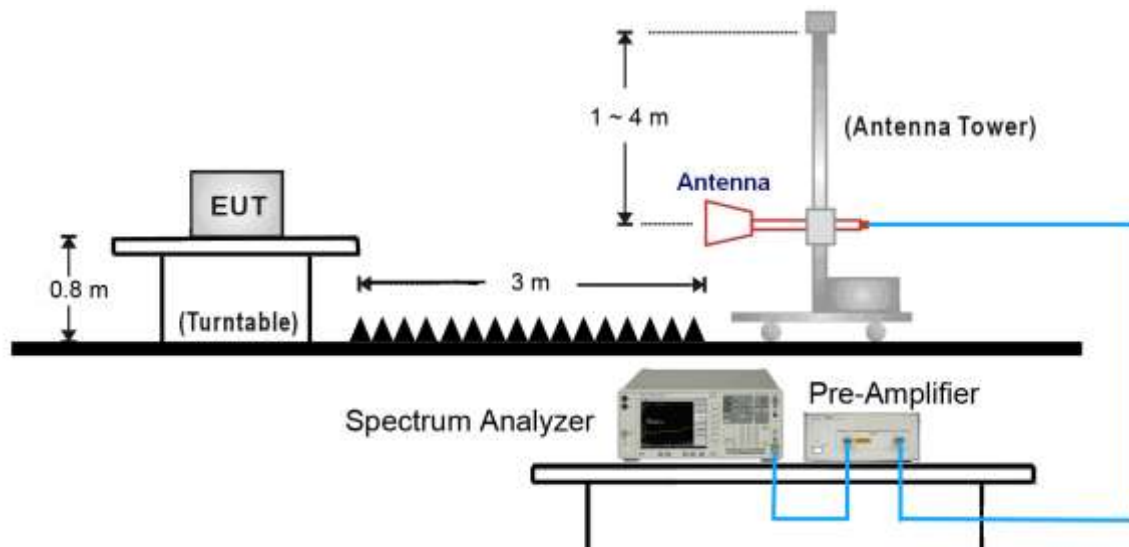
9kHz ~ 30MHz Test Setup:



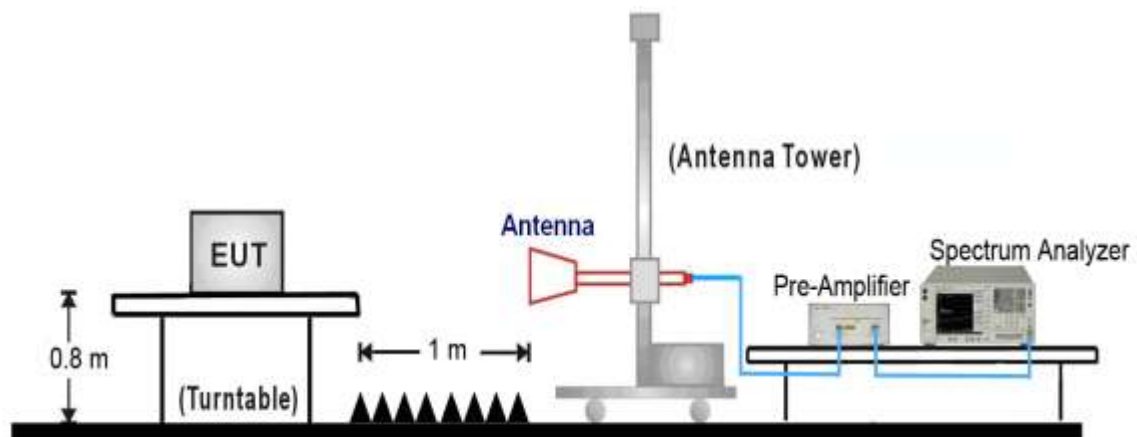
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.6.5. Test Result of Radiated Spurious Emission

Test Mode:	802.11b – Chain 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3187.6	36.0	3.6	39.6	87.1	-47.5	Peak	Horizontal
*	3597.2	37.1	4.0	41.1	87.1	-46.0	Peak	Horizontal
	4824.0	37.4	6.4	43.8	74.0	-30.2	Peak	Horizontal
	7258.0	36.2	13.9	50.1	74.0	-23.9	Peak	Horizontal
*	3218.5	39.8	3.5	43.3	87.1	-43.8	Peak	Vertical
*	3547.8	36.1	4.1	40.2	87.1	-46.9	Peak	Vertical
	4825.0	41.0	6.4	47.4	74.0	-26.6	Peak	Vertical
	7258.0	35.7	13.9	49.6	74.0	-24.4	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.1dBμV/m).

2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3183.5	35.7	3.6	39.3	87.3	-48.0	Peak	Horizontal
*	3497.3	36.7	3.9	40.6	87.3	-46.7	Peak	Horizontal
	4874.0	36.0	6.6	42.6	74.0	-31.4	Peak	Horizontal
	7311.0	34.3	14.0	48.3	74.0	-25.7	Peak	Horizontal
*	3217.5	36.1	3.5	39.6	87.3	-47.7	Peak	Vertical
*	3573.5	36.1	4.0	40.1	87.3	-47.2	Peak	Vertical
	4876.0	43.9	6.6	50.5	74.0	-23.5	Peak	Vertical
	7311.0	34.3	14.0	48.3	74.0	-25.7	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.3dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3185.4	35.6	3.6	39.2	87.5	-48.3	Peak	Horizontal
*	3590.2	36.1	4.0	40.1	87.5	-47.4	Peak	Horizontal
	4924.0	36.7	6.7	43.4	74.0	-30.6	Peak	Horizontal
	7386.0	34.3	14.1	48.4	74.0	-25.6	Peak	Horizontal
*	3286.5	39.1	3.2	42.3	87.5	-45.2	Peak	Vertical
*	3579.6	36.1	4.0	40.1	87.5	-47.4	Peak	Vertical
	4927.0	46.2	6.7	52.9	74.0	-21.1	Peak	Vertical
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.5dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3183.6	35.0	3.6	38.6	89.3	-50.7	Peak	Horizontal
*	3590.5	35.9	4.0	39.9	89.3	-49.4	Peak	Horizontal
	4824.0	36.8	6.4	43.2	74.0	-30.8	Peak	Horizontal
	7256.0	36.7	13.9	50.6	74.0	-23.4	Peak	Horizontal
*	3218.5	38.6	3.5	42.1	89.3	-47.2	Peak	Vertical
*	3588.7	36.1	4.0	40.1	89.3	-49.2	Peak	Vertical
	4825.0	40.8	6.4	47.2	74.0	-26.8	Peak	Vertical
	7256.0	35.4	13.9	49.3	74.0	-24.7	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.3dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3082.5	36.7	3.5	40.2	89.5	-49.3	Peak	Horizontal
*	3482.4	35.4	3.8	39.2	89.5	-50.3	Peak	Horizontal
	4874.0	35.2	6.6	41.8	74.0	-32.2	Peak	Horizontal
	7311.0	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
*	3127.8	35.8	3.6	39.4	89.5	-50.1	Peak	Vertical
*	3533.4	35.1	4.0	39.1	89.5	-50.4	Peak	Vertical
	4876.0	40.8	6.6	47.4	74.0	-26.6	Peak	Vertical
	7311.0	34.8	14.0	48.8	74.0	-25.2	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.5dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3167.4	35.0	3.6	38.6	89.6	-51.0	Peak	Horizontal
*	3576.4	36.0	4.0	40.0	89.6	-49.6	Peak	Horizontal
	4924.0	36.6	6.7	43.3	74.0	-30.7	Peak	Horizontal
	7386.0	34.7	14.1	48.8	74.0	-25.2	Peak	Horizontal
*	3091.0	42.1	3.5	45.6	89.6	-44.0	Peak	Vertical
*	3507.5	35.9	3.9	39.8	89.6	-49.8	Peak	Vertical
	4927.0	44.4	6.7	51.1	74.0	-22.9	Peak	Vertical
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.6dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7236.0	34.1	13.8	47.9	94.0	-46.1	Peak	Horizontal
*	8452.4	34.1	14.5	48.6	94.0	-45.4	Peak	Horizontal
	4226.5	35.9	4.9	40.8	74.0	-33.2	Peak	Horizontal
	4824.0	35.7	6.4	42.1	74.0	-31.9	Peak	Horizontal
*	7236.0	34.0	13.8	47.8	94.0	-46.2	Peak	Vertical
*	8656.3	34.3	14.8	49.1	94.0	-44.9	Peak	Vertical
	4123.3	35.8	4.6	40.4	74.0	-33.6	Peak	Vertical
	4824.0	35.6	6.4	42.0	74.0	-32.0	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (114.0dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3100.1	35.7	3.5	39.2	95.8	-56.6	Peak	Horizontal
*	3579.7	36.2	4.0	40.2	95.8	-55.6	Peak	Horizontal
	4876.0	37.3	6.6	43.9	74.0	-30.1	Peak	Horizontal
	7311.0	34.2	14.0	48.2	74.0	-25.8	Peak	Horizontal
*	3100.5	36.3	3.5	39.8	95.8	-56.0	Peak	Vertical
*	3596.0	36.2	4.0	40.2	95.8	-55.6	Peak	Vertical
	4876.0	38.9	6.6	45.5	74.0	-28.5	Peak	Vertical
	7311.0	33.5	14.0	47.5	74.0	-26.5	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (115.8dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3102.4	36.1	3.5	39.6	97.1	-57.5	Peak	Horizontal
*	3596.5	35.5	4.0	39.5	97.1	-57.6	Peak	Horizontal
	4924.0	35.6	6.7	42.3	74.0	-31.7	Peak	Horizontal
	7386.0	34.2	14.1	48.3	74.0	-25.7	Peak	Horizontal
*	3102.7	35.8	3.5	39.3	97.1	-57.8	Peak	Vertical
*	3577.0	35.9	4.0	39.9	97.1	-57.2	Peak	Vertical
	4924.0	35.4	6.7	42.1	74.0	-31.9	Peak	Vertical
	7386.0	34.3	14.1	48.4	74.0	-25.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (117.1dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3081.8	35.9	3.5	39.4	91.0	-51.6	Peak	Horizontal
*	3482.8	36.8	3.8	40.6	91.0	-50.4	Peak	Horizontal
	4824.0	37.8	6.4	44.2	74.0	-29.8	Peak	Horizontal
	7256.0	35.9	13.9	49.8	74.0	-24.2	Peak	Horizontal
*	3218.5	40.6	3.5	44.1	91.0	-46.9	Peak	Vertical
*	3549.6	36.0	4.1	40.1	91.0	-50.9	Peak	Vertical
	4816.5	38.4	6.4	44.8	74.0	-29.2	Peak	Vertical
	7258.0	35.5	13.9	49.4	74.0	-24.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.0dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3213.8	36.3	3.5	39.8	93.7	-53.9	Peak	Horizontal
*	3597.7	35.6	4.0	39.6	93.7	-54.1	Peak	Horizontal
	4874.0	35.4	6.6	42.0	74.0	-32.0	Peak	Horizontal
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	3252.5	39.3	3.4	42.7	93.7	-51.0	Peak	Vertical
*	3582.3	36.6	4.0	40.6	93.7	-53.1	Peak	Vertical
	4874.0	37.1	6.6	43.7	74.0	-30.3	Peak	Vertical
	7311.0	34.5	14.0	48.5	74.0	-25.5	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (113.7dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3031.5	37.6	3.4	41.0	88.5	-47.5	Peak	Horizontal
*	3537.0	36.5	4.0	40.5	88.5	-48.0	Peak	Horizontal
	4924.0	36.0	6.7	42.7	74.0	-31.3	Peak	Horizontal
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Horizontal
*	3083.8	35.4	3.5	38.9	88.5	-49.6	Peak	Vertical
*	3538.7	35.1	4.0	39.1	88.5	-49.4	Peak	Vertical
	4918.5	39.2	6.7	45.9	74.0	-28.1	Peak	Vertical
	7386.0	33.9	14.1	48.0	74.0	-26.0	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (108.5dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3218.5	38.6	3.5	42.1	89.2	-47.1	Peak	Horizontal
*	3567.5	35.7	4.1	39.8	89.2	-49.4	Peak	Horizontal
	4824.0	35.4	6.4	41.8	74.0	-32.2	Peak	Horizontal
	7256.0	36.0	13.9	49.9	74.0	-24.1	Peak	Horizontal
*	3218.5	42.1	3.5	45.6	89.2	-43.6	Peak	Vertical
*	3549.7	35.6	4.1	39.7	89.2	-49.5	Peak	Vertical
	4825.0	40.2	6.4	46.6	74.0	-27.4	Peak	Vertical
	7258.0	35.4	13.9	49.3	74.0	-24.7	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.2dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3176.3	36.3	3.6	39.9	91.3	-51.4	Peak	Horizontal
*	3543.2	36.0	4.0	40.0	91.3	-51.3	Peak	Horizontal
	4874.0	36.6	6.6	43.2	74.0	-30.8	Peak	Horizontal
	7311.0	34.3	14.0	48.3	74.0	-25.7	Peak	Horizontal
*	3252.5	42.6	3.4	46.0	91.3	-45.3	Peak	Vertical
*	3581.5	36.7	4.0	40.7	91.3	-50.6	Peak	Vertical
	4876.0	40.7	6.6	47.3	74.0	-26.7	Peak	Vertical
	7311.0	34.4	14.0	48.4	74.0	-25.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.3dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3178.6	36.1	3.6	39.7	87.9	-48.2	Peak	Horizontal
*	3591.9	36.8	4.0	40.8	87.9	-47.1	Peak	Horizontal
	4924.0	35.7	6.7	42.4	74.0	-31.6	Peak	Horizontal
	7386.0	34.8	14.1	48.9	74.0	-25.1	Peak	Horizontal
*	3286.5	40.9	3.2	44.1	87.9	-43.8	Peak	Vertical
*	3574.9	35.9	4.0	39.9	87.9	-48.0	Peak	Vertical
	4927.0	43.9	6.7	50.6	74.0	-23.4	Peak	Vertical
	7386.0	34.0	14.1	48.1	74.0	-25.9	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.9dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3079.3	36.3	3.5	39.8	89.2	-49.4	Peak	Horizontal
*	3583.6	36.5	4.0	40.5	89.2	-48.7	Peak	Horizontal
	4824.0	35.7	6.4	42.1	74.0	-31.9	Peak	Horizontal
	7256.0	35.8	13.9	49.7	74.0	-24.3	Peak	Horizontal
*	3218.5	40.2	3.5	43.7	89.2	-45.5	Peak	Vertical
*	3567.4	36.0	4.1	40.1	89.2	-49.1	Peak	Vertical
	4824.0	37.3	6.4	43.7	74.0	-30.3	Peak	Vertical
	7256.0	36.5	13.9	50.4	74.0	-23.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.2dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3257.6	35.5	3.3	38.8	92.0	-53.2	Peak	Horizontal
*	3519.8	35.3	3.9	39.2	92.0	-52.8	Peak	Horizontal
	4874.0	35.7	6.6	42.3	74.0	-31.7	Peak	Horizontal
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	3252.5	39.1	3.4	42.5	92.0	-49.5	Peak	Vertical
*	3596.3	36.4	4.0	40.4	92.0	-51.6	Peak	Vertical
	4874.0	38.0	6.6	44.6	74.0	-29.4	Peak	Vertical
	7311.0	34.4	14.0	48.4	74.0	-25.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (112.0dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3097.5	35.4	3.5	38.9	86.5	-47.6	Peak	Horizontal
*	3588.4	36.2	4.0	40.2	86.5	-46.3	Peak	Horizontal
	4924.0	35.4	6.7	42.1	74.0	-31.9	Peak	Horizontal
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Horizontal
*	3177.8	36.0	3.6	39.6	86.5	-46.9	Peak	Vertical
*	3590.7	36.4	4.0	40.4	86.5	-46.1	Peak	Vertical
	4924.0	36.0	6.7	42.7	74.0	-31.3	Peak	Vertical
	7386.0	34.4	14.1	48.5	74.0	-25.5	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.5dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3059.4	35.4	3.5	38.9	90.2	-51.3	Peak	Horizontal
*	3518.8	35.0	3.9	38.9	90.2	-51.3	Peak	Horizontal
	4824.0	36.2	6.4	42.6	74.0	-31.4	Peak	Horizontal
	7256.0	35.6	13.9	49.5	74.0	-24.5	Peak	Horizontal
*	3218.5	44.1	3.5	47.6	90.2	-42.6	Peak	Vertical
*	3584.2	36.7	4.0	40.7	90.2	-49.5	Peak	Vertical
	4825.0	42.5	6.4	48.9	74.0	-25.1	Peak	Vertical
	7256.0	37.2	13.9	51.1	74.0	-22.9	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (110.2dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3027.2	35.7	3.4	39.1	93.1	-54.0	Peak	Horizontal
*	3522.5	35.3	3.9	39.2	93.1	-53.9	Peak	Horizontal
	4874.0	36.2	6.6	42.8	74.0	-31.2	Peak	Horizontal
	7311.0	34.4	14.0	48.4	74.0	-25.6	Peak	Horizontal
*	3088.0	36.0	3.5	39.5	93.1	-53.6	Peak	Vertical
*	3507.5	35.7	3.9	39.6	93.1	-53.5	Peak	Vertical
	4874.0	37.8	6.6	44.4	74.0	-29.6	Peak	Vertical
	7311.0	35.1	14.0	49.1	74.0	-24.9	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (113.1dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3134.9	35.9	3.6	39.5	89.4	-49.9	Peak	Horizontal
*	3567.5	35.7	4.1	39.8	89.4	-49.6	Peak	Horizontal
	4924.0	37.3	6.7	44.0	74.0	-30.0	Peak	Horizontal
	7386.0	34.1	14.1	48.2	74.0	-25.8	Peak	Horizontal
*	3218.3	35.8	3.5	39.3	89.4	-50.1	Peak	Vertical
*	3567.4	36.1	4.1	40.2	89.4	-49.2	Peak	Vertical
	4924.0	36.7	6.7	43.4	74.0	-30.6	Peak	Vertical
	7386.0	34.5	14.1	48.6	74.0	-25.4	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3218.6	36.2	3.5	39.7	84.6	-44.9	Peak	Horizontal
*	3511.6	35.6	3.9	39.5	84.6	-45.1	Peak	Horizontal
	4844.0	34.9	6.5	41.4	74.0	-32.6	Peak	Horizontal
	7266.0	35.3	13.9	49.2	74.0	-24.8	Peak	Horizontal
*	3227.0	41.0	3.5	44.5	84.6	-40.1	Peak	Vertical
*	3576.4	36.6	4.0	40.6	84.6	-44.0	Peak	Vertical
	4978.0	43.2	6.8	50.0	74.0	-24.0	Peak	Vertical
	7266.0	35.4	13.9	49.3	74.0	-24.7	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.6dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3201.5	37.6	3.5	41.1	92.8	-51.7	Peak	Horizontal
*	3527.5	35.4	4.0	39.4	92.8	-53.4	Peak	Horizontal
	4874.0	35.6	6.6	42.2	74.0	-31.8	Peak	Horizontal
	7311.0	34.0	14.0	48.0	74.0	-26.0	Peak	Horizontal
*	3252.5	41.3	3.4	44.7	92.8	-48.1	Peak	Vertical
*	3553.5	35.3	4.1	39.4	92.8	-53.4	Peak	Vertical
	4874.0	40.5	6.6	47.1	74.0	-26.9	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (112.8dBμV/m).
2. Measure 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 – Chain 0	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3213.8	36.6	3.5	40.1	85.0	-44.9	Peak	Horizontal
*	3534.3	36.1	4.0	40.1	85.0	-44.9	Peak	Horizontal
	4904.0	35.6	6.7	42.3	74.0	-31.7	Peak	Horizontal
	7356.0	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
*	3269.5	41.8	3.3	45.1	85.0	-39.9	Peak	Vertical
*	3579.0	35.6	4.0	39.6	85.0	-45.4	Peak	Vertical
	4901.5	42.3	6.7	49.0	74.0	-25.0	Peak	Vertical
	7356.0	34.0	14.0	48.0	74.0	-26.0	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (105.0dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3156.3	35.1	3.6	38.7	84.0	-45.3	Peak	Horizontal
*	3547.9	36.4	4.1	40.5	84.0	-43.5	Peak	Horizontal
	4844.0	35.3	6.5	41.8	74.0	-32.2	Peak	Horizontal
	7266.0	35.5	13.9	49.4	74.0	-24.6	Peak	Horizontal
*	3227.0	38.6	3.5	42.1	84.0	-41.9	Peak	Vertical
*	3537.6	36.4	4.0	40.4	84.0	-43.6	Peak	Vertical
	4844.0	36.3	6.5	42.8	74.0	-31.2	Peak	Vertical
	7266.0	35.2	13.9	49.1	74.0	-24.9	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.0dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3016.8	35.6	3.4	39.0	89.3	-50.3	Peak	Horizontal
*	3575.2	36.4	4.0	40.4	89.3	-48.9	Peak	Horizontal
	4874.0	35.1	6.6	41.7	74.0	-32.3	Peak	Horizontal
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	3168.4	36.0	3.6	39.6	89.3	-49.7	Peak	Vertical
*	3591.5	37.0	4.0	41.0	89.3	-48.3	Peak	Vertical
	4874.0	36.8	6.6	43.4	74.0	-30.6	Peak	Vertical
	7311.0	35.1	14.0	49.1	74.0	-24.9	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.3dBμV/m).
2. Measure 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 – Chain 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3137.5	36.2	3.6	39.8	84.7	-44.9	Peak	Horizontal
*	3594.8	36.8	4.0	40.8	84.7	-43.9	Peak	Horizontal
	4904.0	35.5	6.7	42.2	74.0	-31.8	Peak	Horizontal
	7356.0	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	3269.5	39.0	3.3	42.3	84.7	-42.4	Peak	Vertical
*	3583.4	36.2	4.0	40.2	84.7	-44.5	Peak	Vertical
	4904.0	38.0	6.7	44.7	74.0	-29.3	Peak	Vertical
	7356.0	34.0	14.0	48.0	74.0	-26.0	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.7dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3199.3	35.7	3.5	39.2	84.0	-44.8	Peak	Horizontal
*	3561.9	35.2	4.1	39.3	84.0	-44.7	Peak	Horizontal
	4844.0	36.7	6.5	43.2	74.0	-30.8	Peak	Horizontal
	7266.0	34.9	13.9	48.8	74.0	-25.2	Peak	Horizontal
*	3227.0	44.6	3.5	48.1	84.0	-35.9	Peak	Vertical
*	3559.1	35.8	4.1	39.9	84.0	-44.1	Peak	Vertical
	4842.0	40.9	6.5	47.4	74.0	-26.6	Peak	Vertical
	7266.0	35.4	13.9	49.3	74.0	-24.7	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.0dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3008.8	35.7	3.4	39.1	91.1	-52.0	Peak	Horizontal
*	3594.3	35.7	4.0	39.7	91.1	-51.4	Peak	Horizontal
	4874.0	36.9	6.6	43.5	74.0	-30.5	Peak	Horizontal
	7311.0	34.8	14.0	48.8	74.0	-25.2	Peak	Horizontal
*	3252.5	44.9	3.4	48.3	91.1	-42.8	Peak	Vertical
*	3561.9	35.9	4.1	40.0	91.1	-51.1	Peak	Vertical
	4876.0	42.5	6.6	49.1	74.0	-24.9	Peak	Vertical
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.1dBμV/m).
2. Measure 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 – Chain 0 + 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~25GHz, the permissible value is not show in the report. 2. Average measurement was not performed if peak level lower than average limit.		

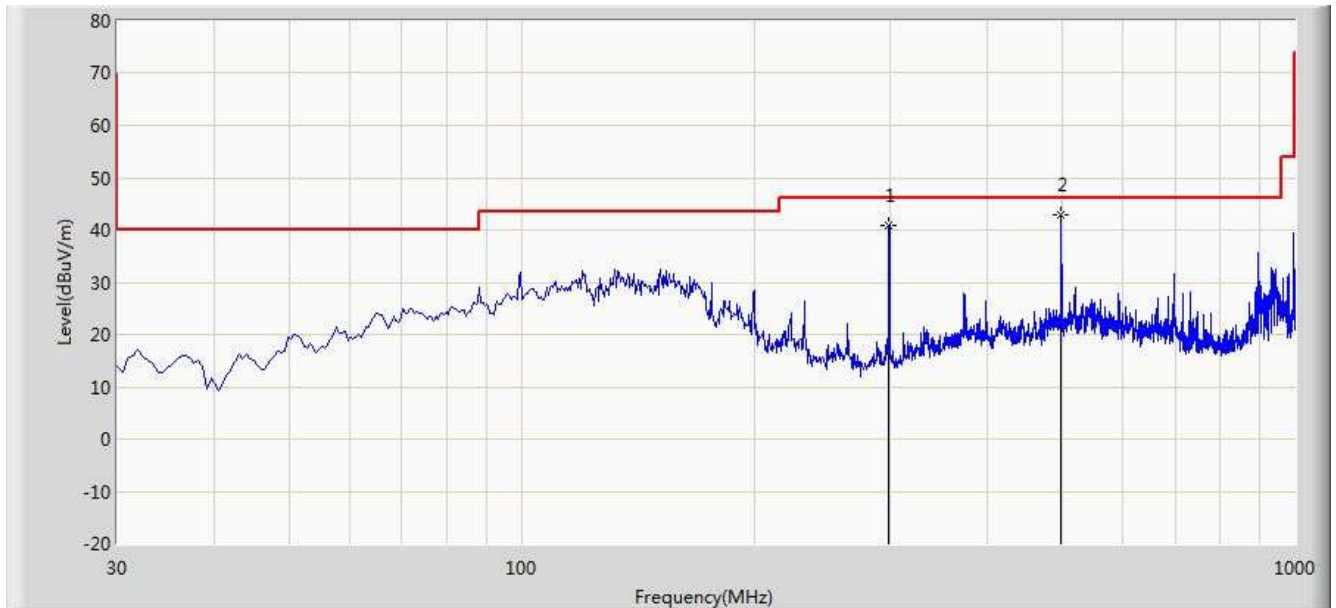
Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3269.5	44.5	3.3	47.8	85.3	-37.5	Peak	Horizontal
*	3586.8	36.2	4.0	40.2	85.3	-45.1	Peak	Horizontal
	4901.5	46.2	6.7	52.9	74.0	-21.1	Peak	Horizontal
	7356.0	34.2	14.0	48.2	74.0	-25.8	Peak	Horizontal
*	3269.5	45.2	3.3	48.5	85.3	-36.8	Peak	Vertical
*	3482.0	40.3	3.8	44.1	85.3	-41.2	Peak	Vertical
	4893.0	45.3	6.7	52.0	74.0	-22.0	Peak	Vertical
	7356.0	35.4	14.0	49.4	74.0	-24.6	Peak	Vertical

Note:

1. “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (105.3dBμV/m).
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 between 30MHz to 1GHz:

Tested by	Roy Cheng	Test Data	2014-02-10- 10:03:23
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_PART 15.209	Polarity	Horizontal
Antenna	VULB_9162	EUT	WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER

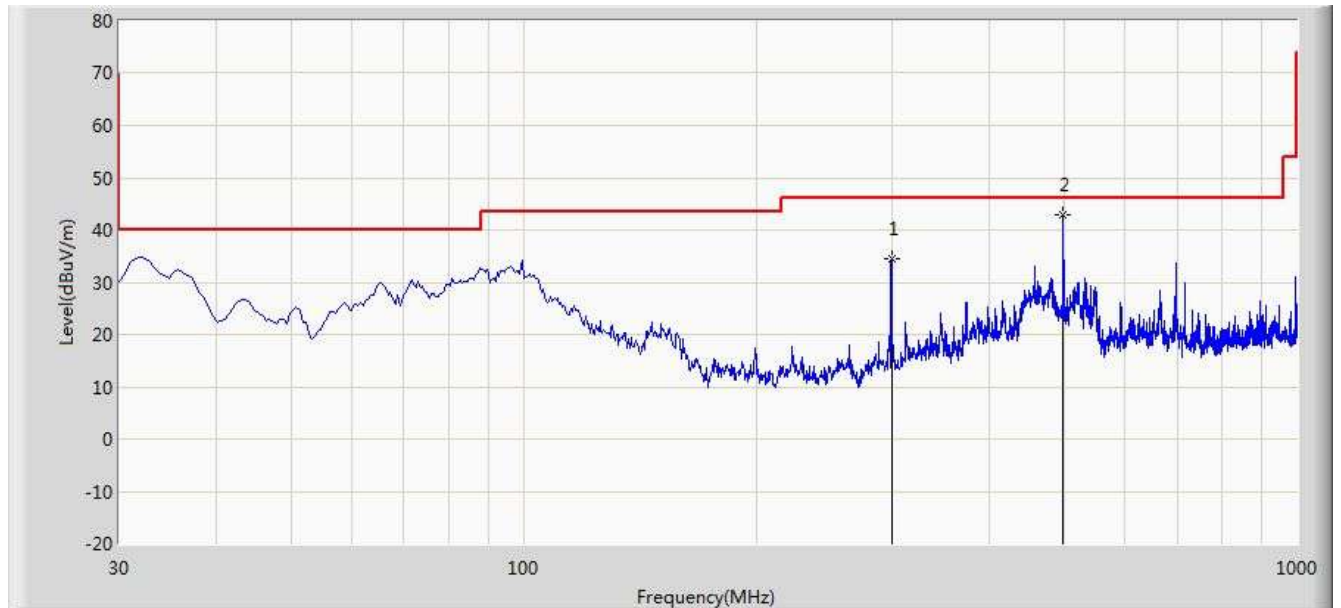
Worst Case Mode: 802.11n-HT20 Channel 2412MHz Chain 0 + 1


Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)
298.690	40.844	60.695	Peak	-19.851	46.00	-5.156
498.025	42.956	59.825	Peak	-16.869	46.00	-3.044

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

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

Tested by	Roy Cheng	Test Data	2014-02-10- 10:04:40
Site	AC1	Power	AC 120V/60Hz
Limit	FCC_PART 15.209	Polarity	Vertical
Antenna	VULB_9162	EUT	WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER
Worst Case Mode: 802.11n-HT20 Channel 2412MHz Chain 0 + 1			



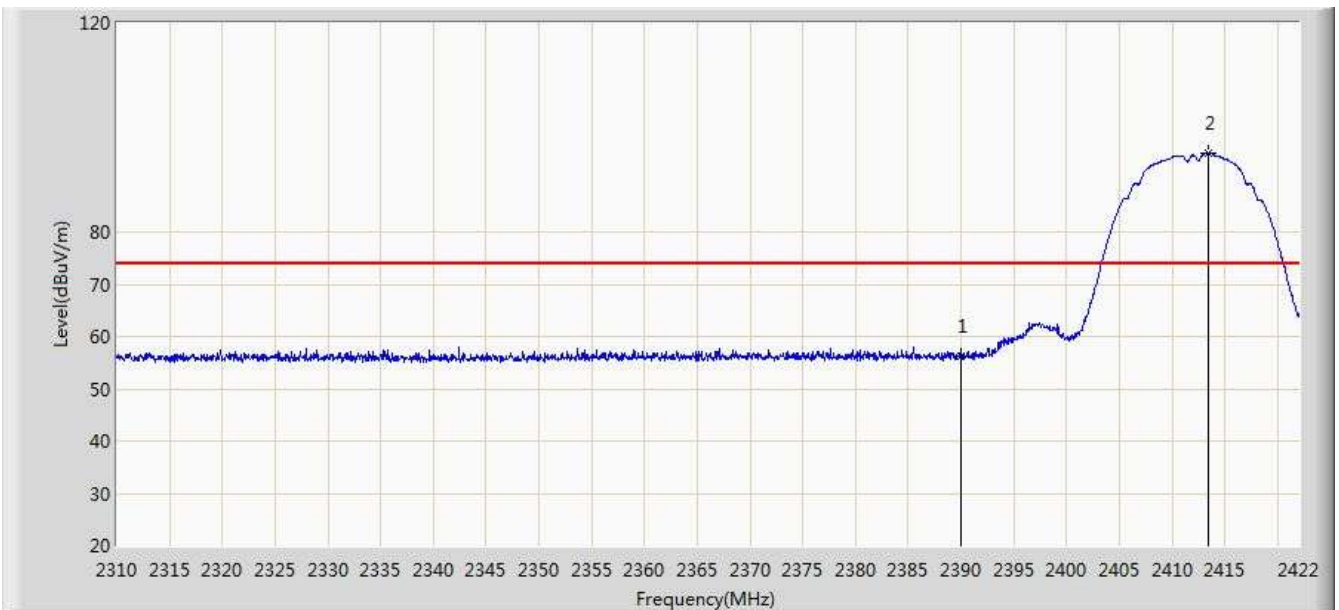
Freq (MHz)	Level (dBuV/m)	Reading (dBuV)	Detector	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)
299.175	34.513	54.342	Peak	-19.829	46.000	-11.487
498.025	42.956	59.825	Peak	-16.869	46.000	-3.044

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

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

7.6.6. Test Result of Radiated Band Edge

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 15:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 0	

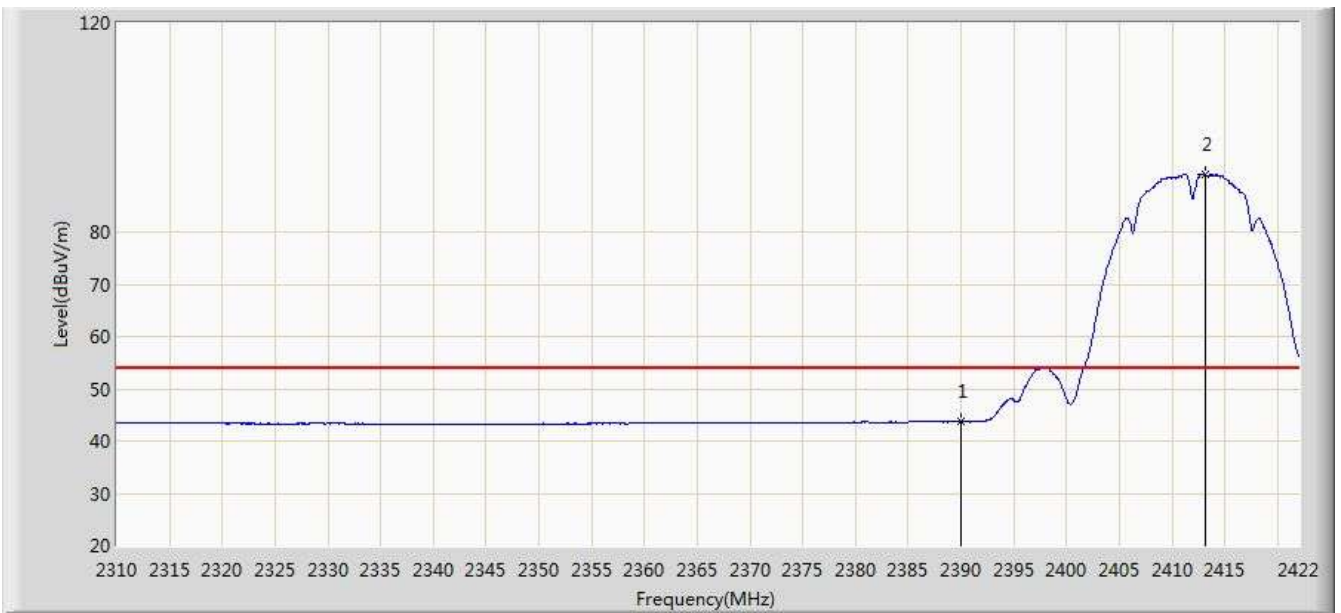


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	56.139	25.455	-17.861	74.000	30.684	PK
2		*	2413.432	95.054	64.411	N/A	N/A	30.643	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 15:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 0	

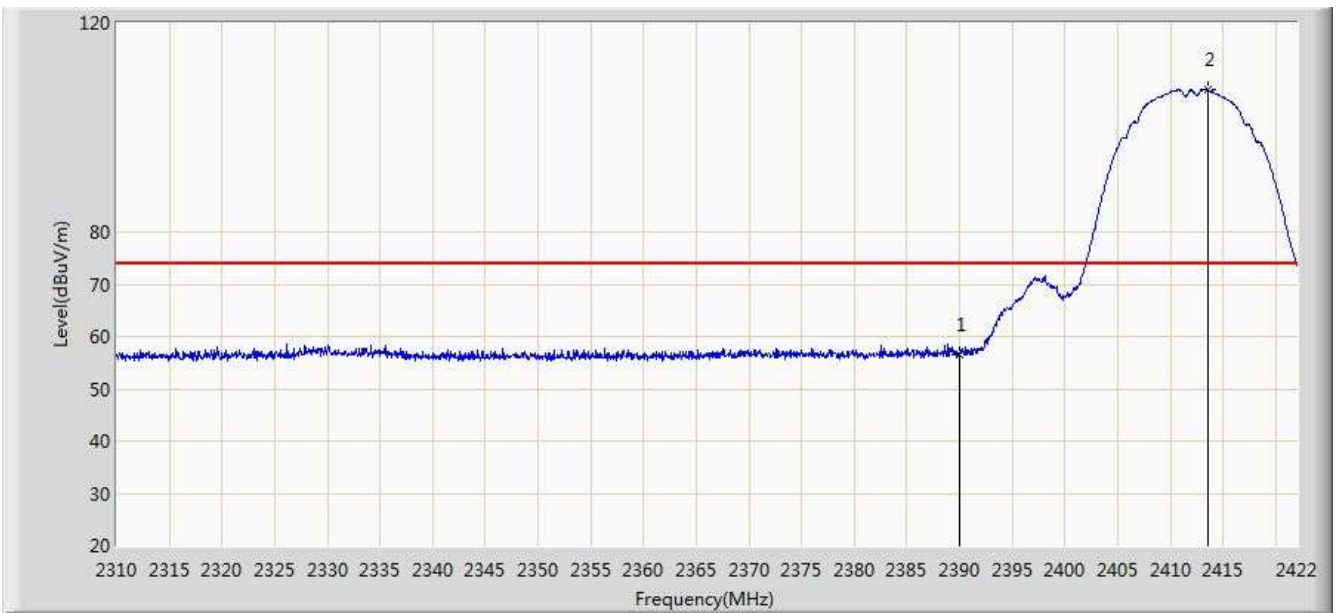


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	43.678	12.994	-10.322	54.000	30.684	AV
2		*	2413.208	90.988	60.345	N/A	N/A	30.643	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 15:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 0	

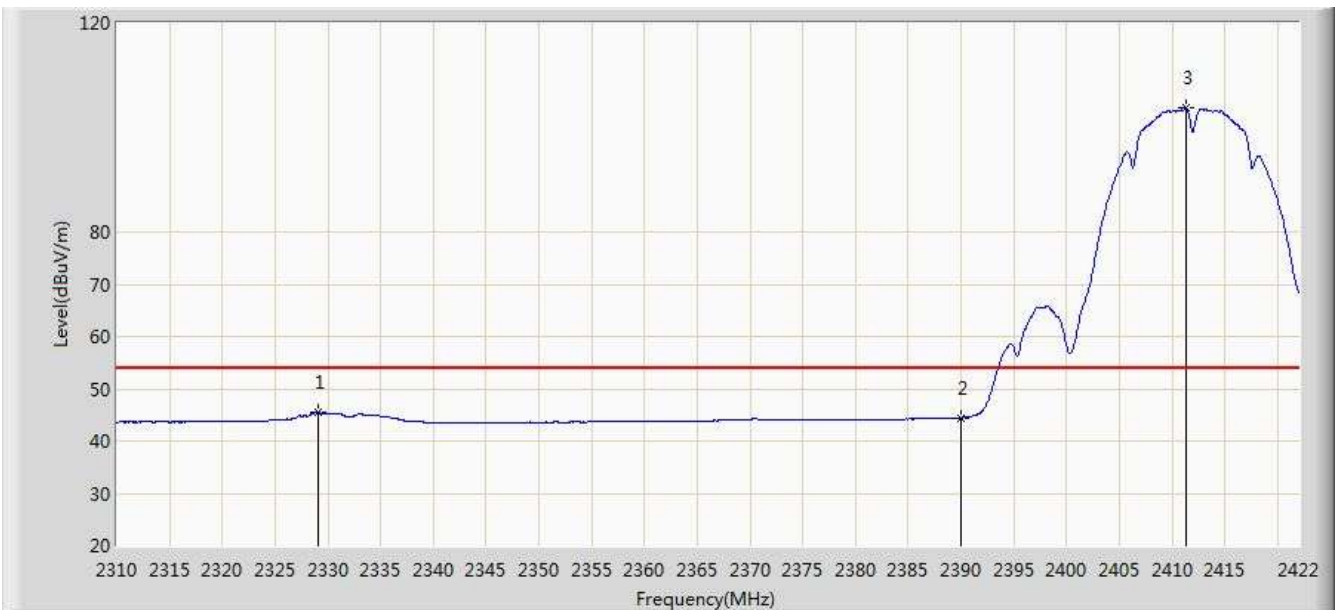


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	56.578	25.894	-17.422	74.000	30.684	PK
2		*	2413.600	107.138	76.496	N/A	N/A	30.642	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 0	

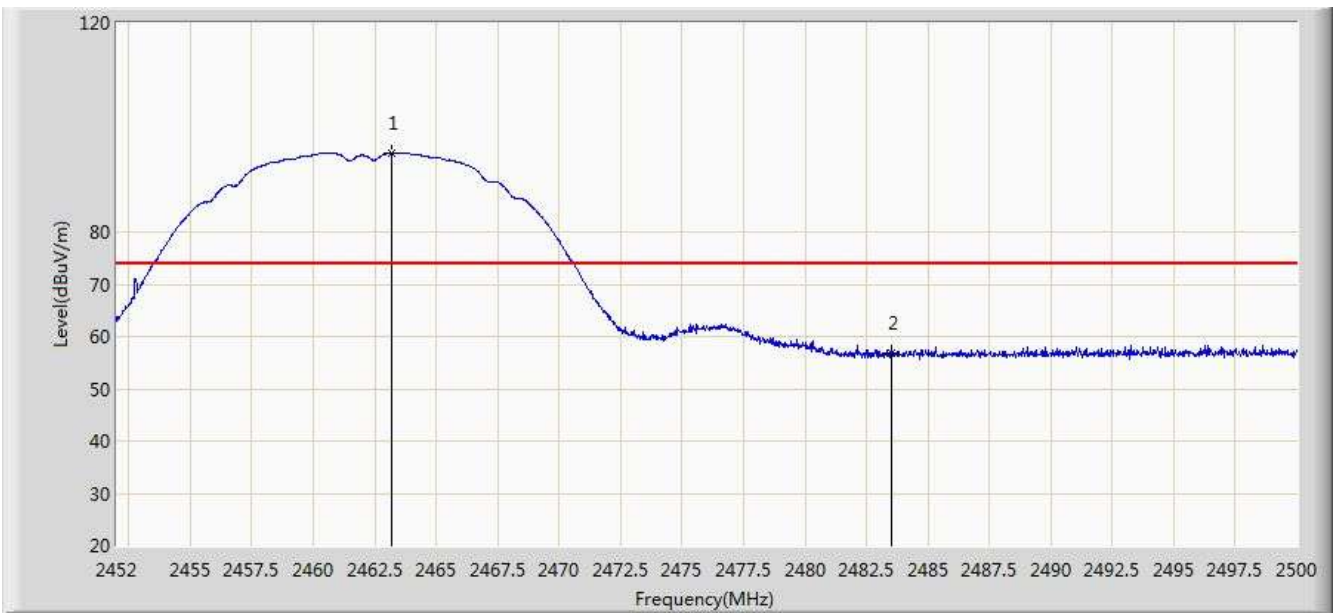


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2329.096	45.424	14.552	-8.576	54.000	30.872	AV
2			2390.000	44.432	13.748	-9.568	54.000	30.684	AV
3		*	2411.304	103.700	73.054	N/A	N/A	30.646	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 15:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 0	

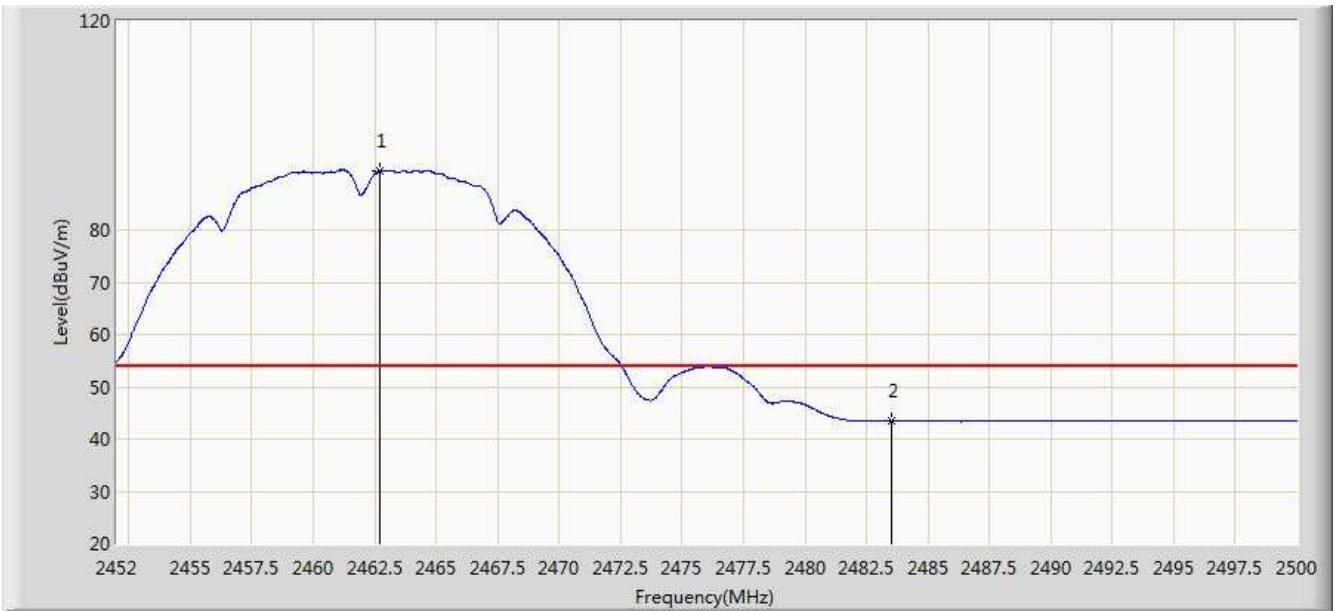


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.184	95.120	64.506	N/A	N/A	30.613	PK
2			2483.500	56.820	26.147	-17.180	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.728	91.355	60.742	N/A	N/A	30.613	AV
2			2483.500	43.398	12.725	-10.602	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.400	107.509	76.895	N/A	N/A	30.615	PK
2			2483.500	57.014	26.341	-16.986	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 0	

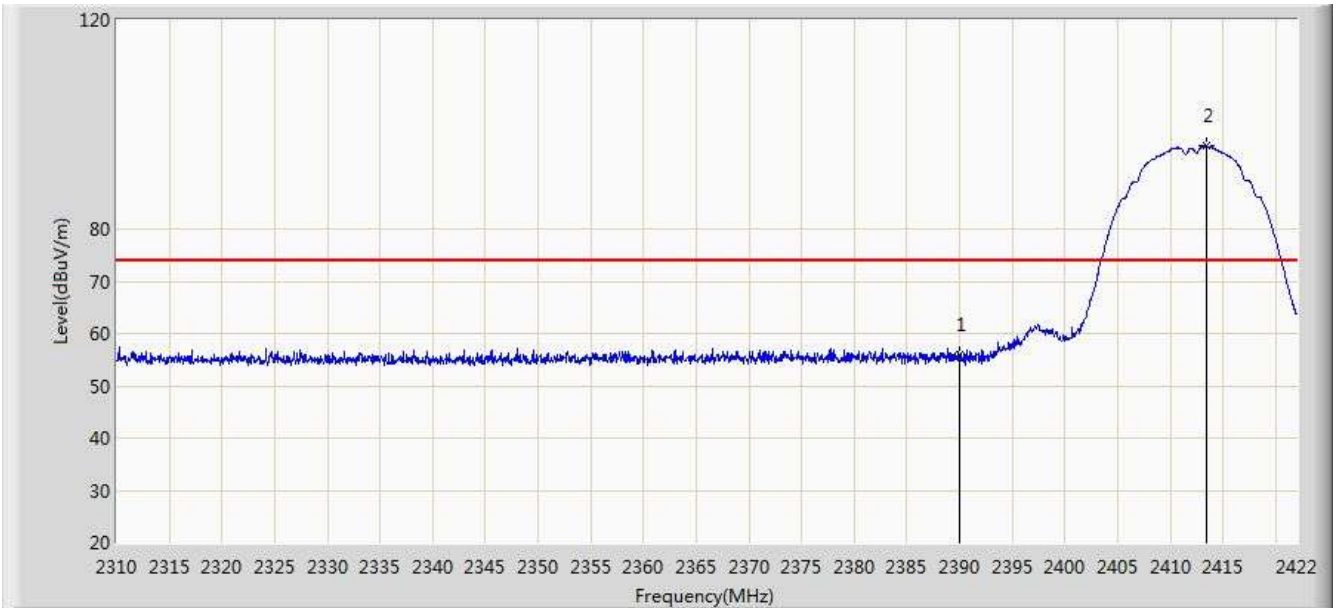


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.240	104.145	73.535	N/A	N/A	30.611	AV
2			2483.500	44.621	13.948	-9.379	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 1	

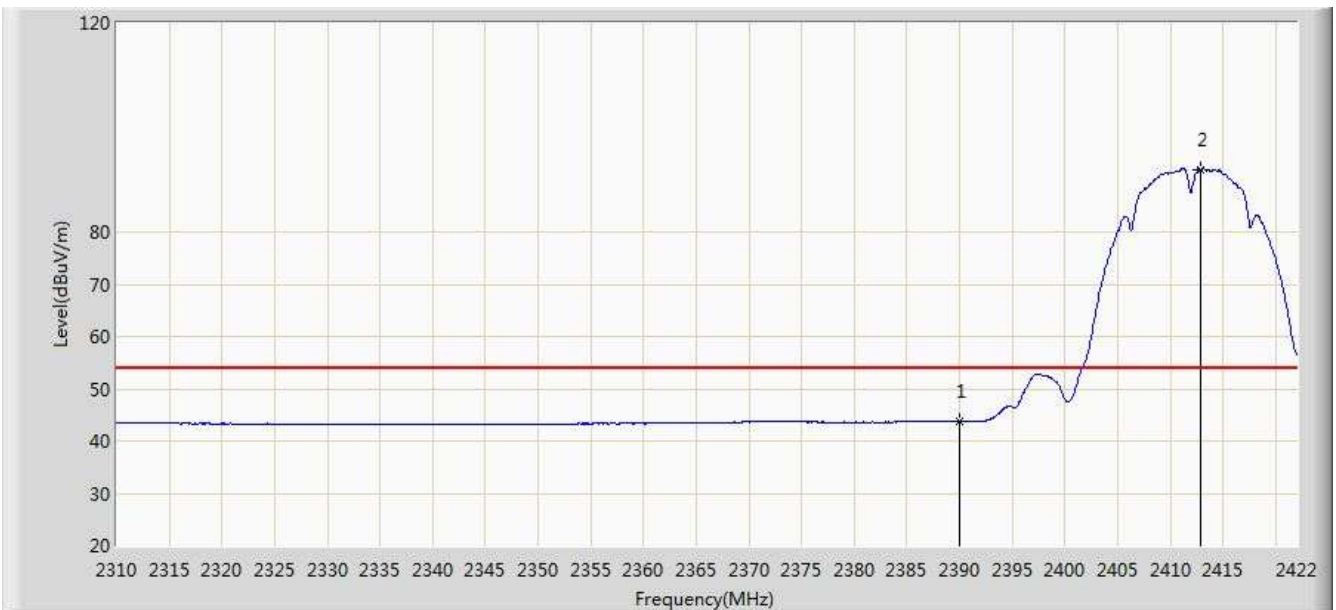


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	55.889	25.205	-18.111	74.000	30.684	PK
2		*	2413.432	95.813	65.170	N/A	N/A	30.643	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 1	

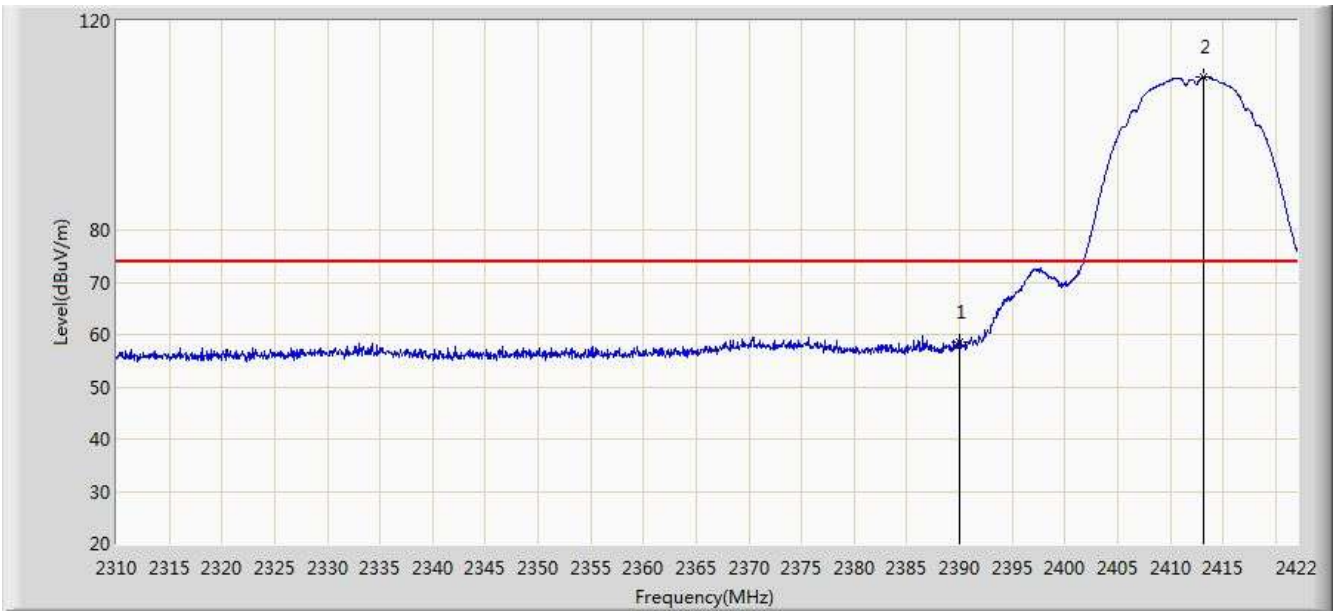


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	43.705	13.021	-10.295	54.000	30.684	AV
2		*	2412.872	91.972	61.329	N/A	N/A	30.644	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 1	

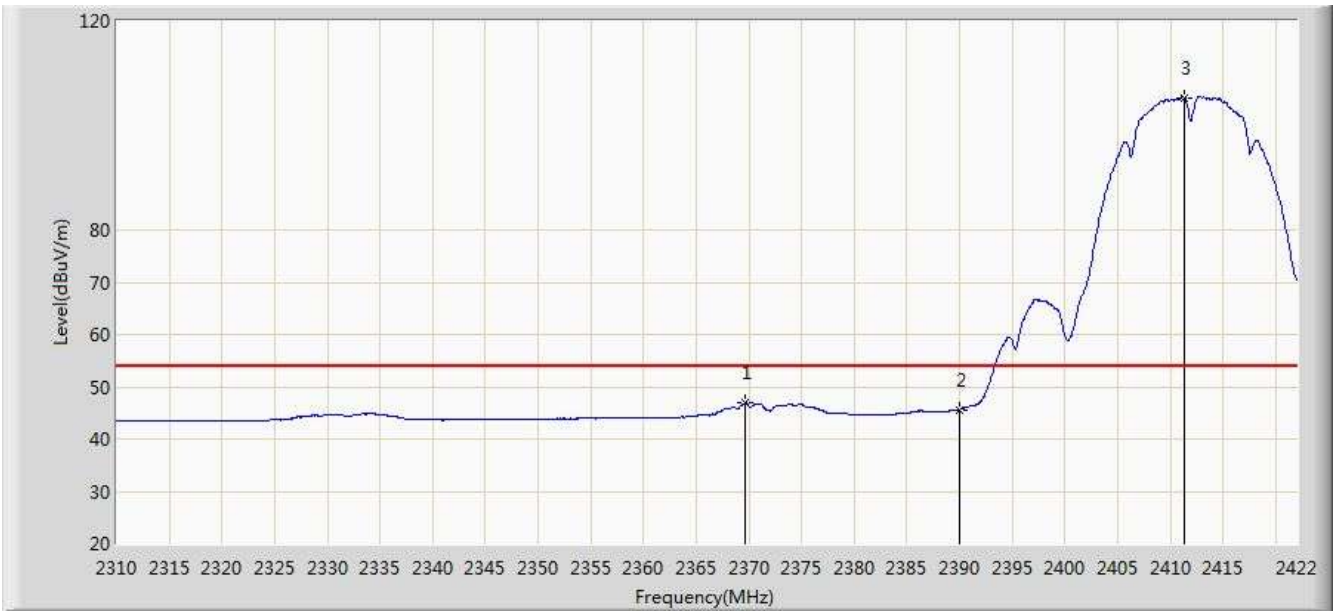


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	58.559	27.875	-15.441	74.000	30.684	PK
2		*	2413.152	109.313	78.670	N/A	N/A	30.643	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2412MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2369.640	46.871	16.141	-7.129	54.000	30.730	AV
2			2390.000	45.626	14.942	-8.374	54.000	30.684	AV
3		*	2411.304	105.307	74.661	N/A	N/A	30.646	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.000	96.252	65.642	N/A	N/A	30.609	PK
2			2483.500	55.955	25.282	-18.045	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.240	92.849	62.239	N/A	N/A	30.611	AV
2			2483.500	43.378	12.705	-10.622	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.856	109.635	79.025	N/A	N/A	30.609	PK
2			2483.500	57.374	26.701	-16.626	74.000	30.673	PK
3			2492.656	60.141	29.442	-13.859	74.000	30.699	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11b Channel 2462MHz Chain 1	

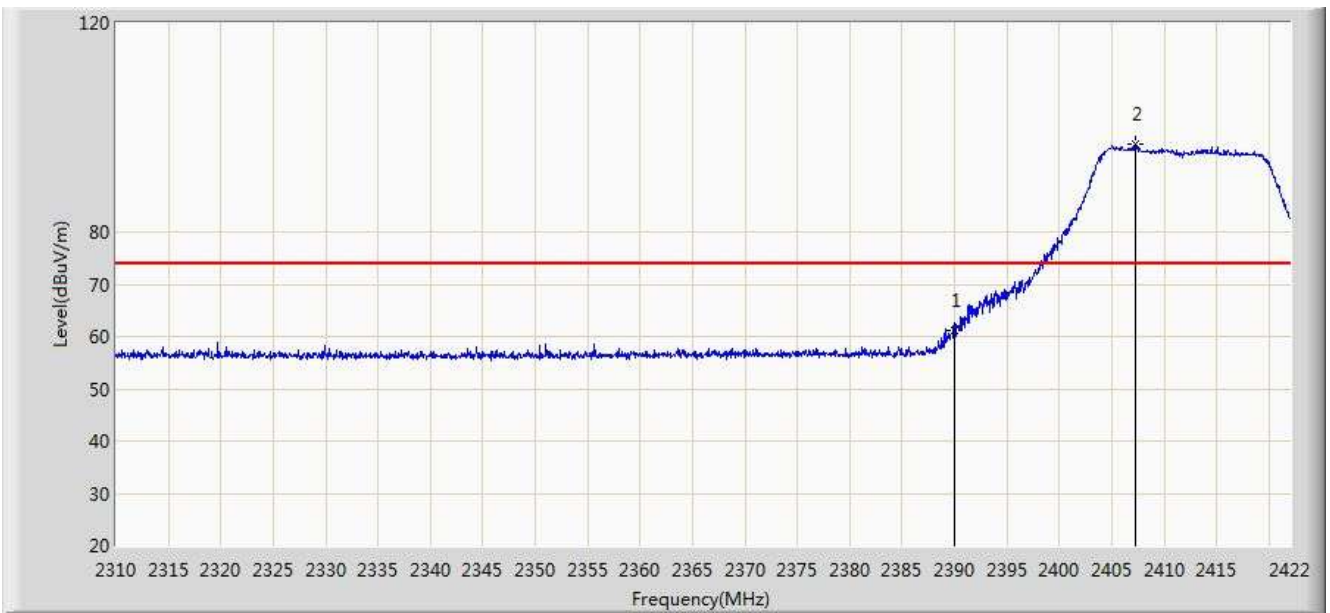


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.096	106.201	75.591	N/A	N/A	30.610	AV
2			2483.500	45.195	14.522	-8.805	54.000	30.673	AV
3			2499.592	46.834	16.116	-7.166	54.000	30.719	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 0	

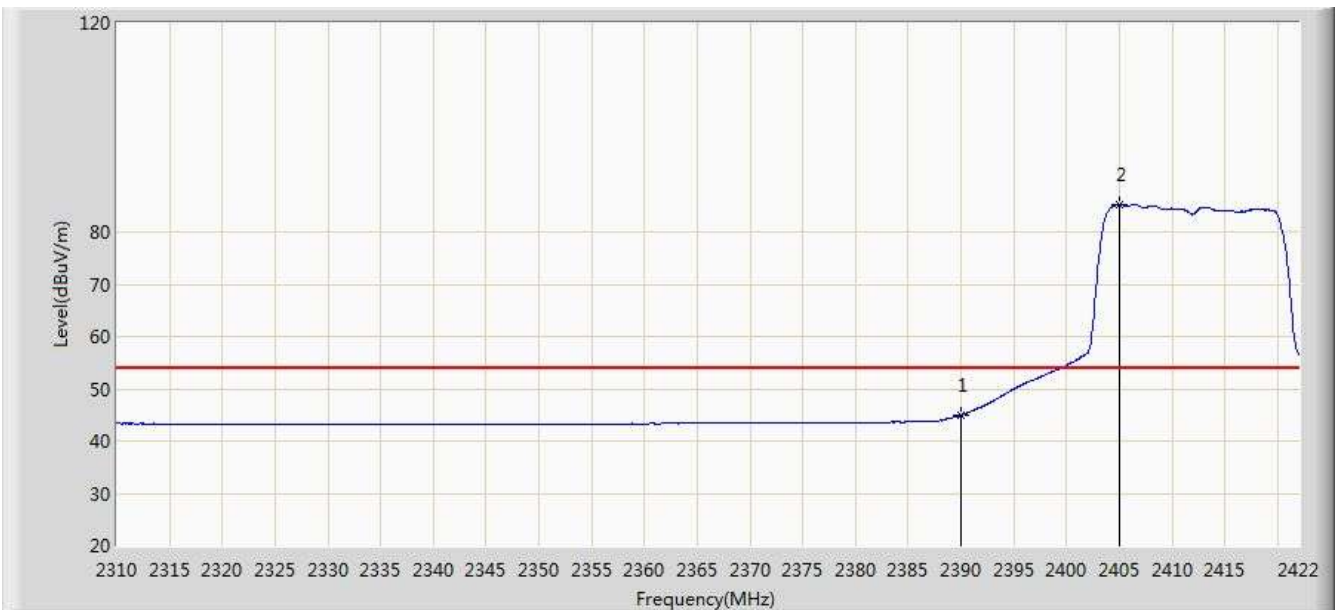


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.179	30.495	-12.821	74.000	30.684	PK
2		*	2407.328	96.708	66.056	N/A	N/A	30.652	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 0	

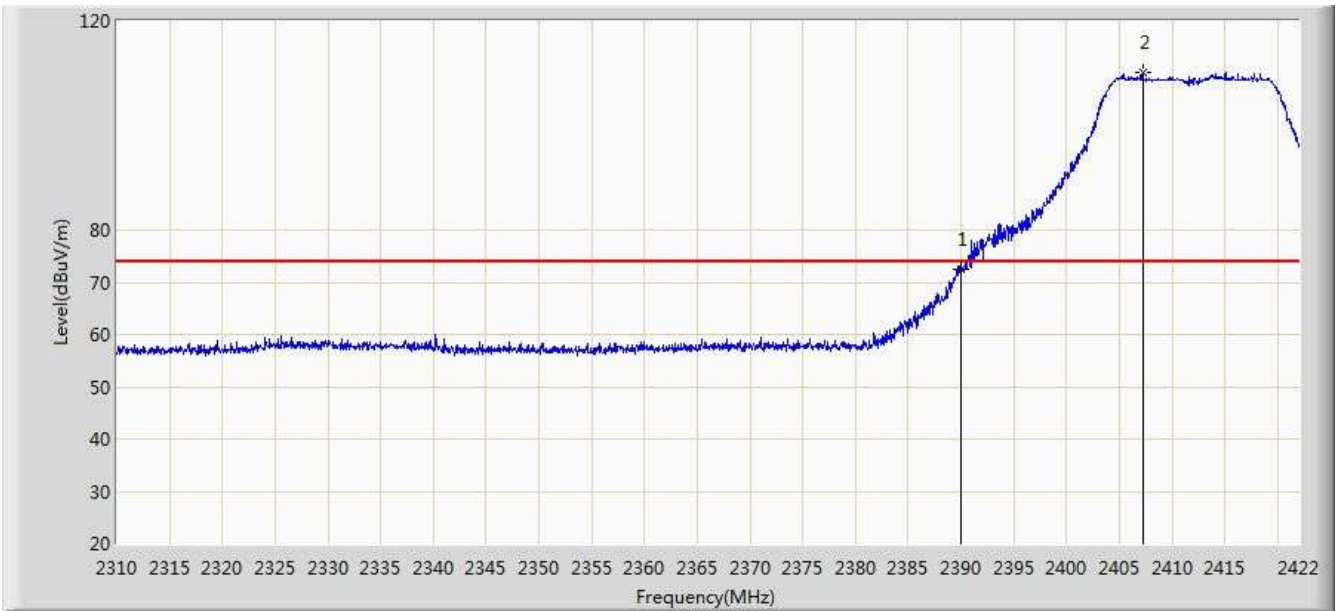


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	45.012	14.328	-8.988	54.000	30.684	AV
2		*	2405.032	85.222	54.566	N/A	N/A	30.656	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 10:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 0	

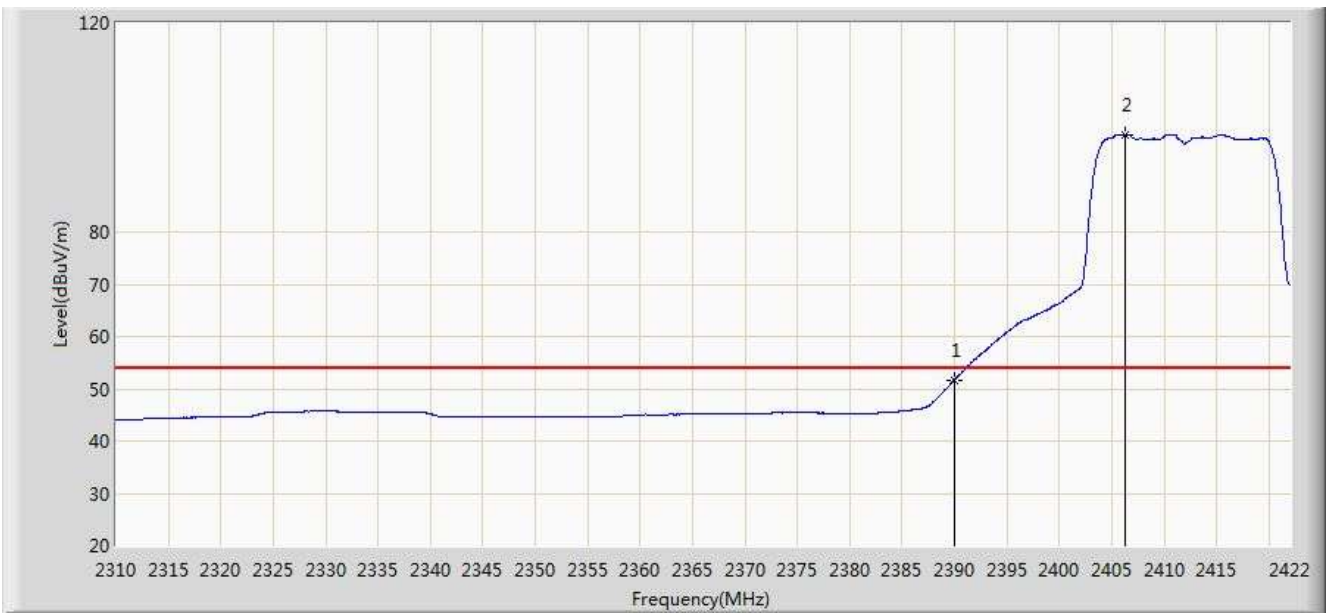


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	72.501	41.817	-1.499	74.000	30.684	PK
2		*	2407.216	110.030	79.377	N/A	N/A	30.653	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 10:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 0	

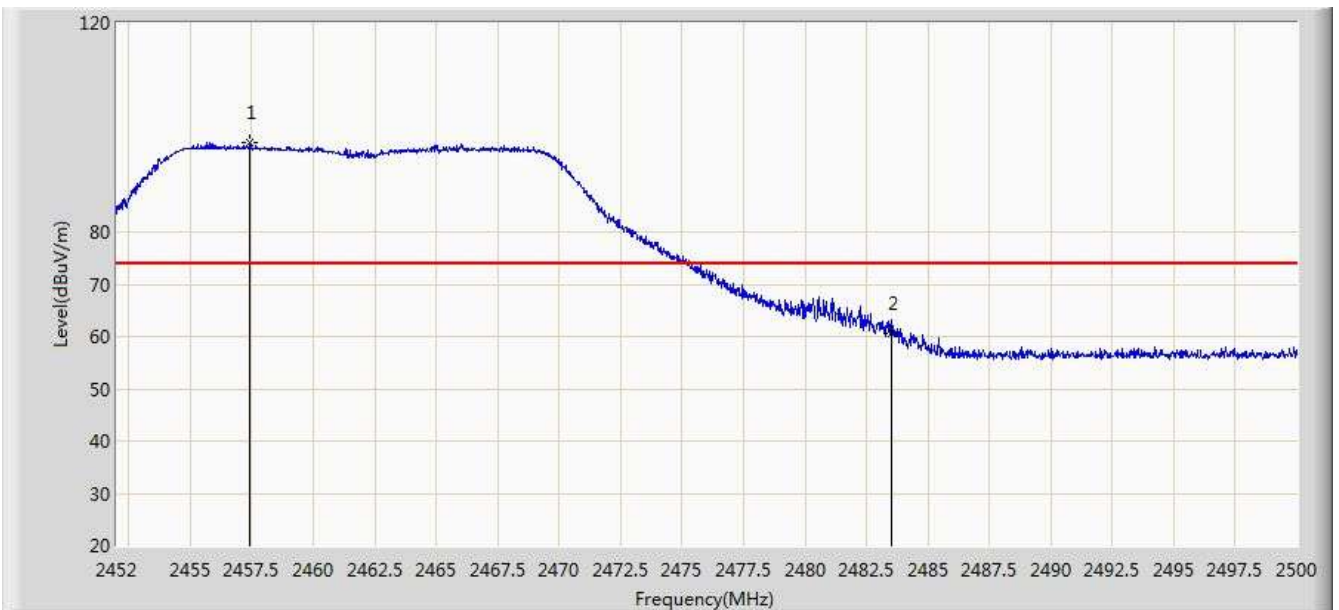


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	51.711	21.027	-2.289	54.000	30.684	AV
2		*	2406.264	98.452	67.798	N/A	N/A	30.654	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2457.424	97.214	66.609	N/A	N/A	30.604	PK
2			2483.500	60.533	29.860	-13.467	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 16:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 0	

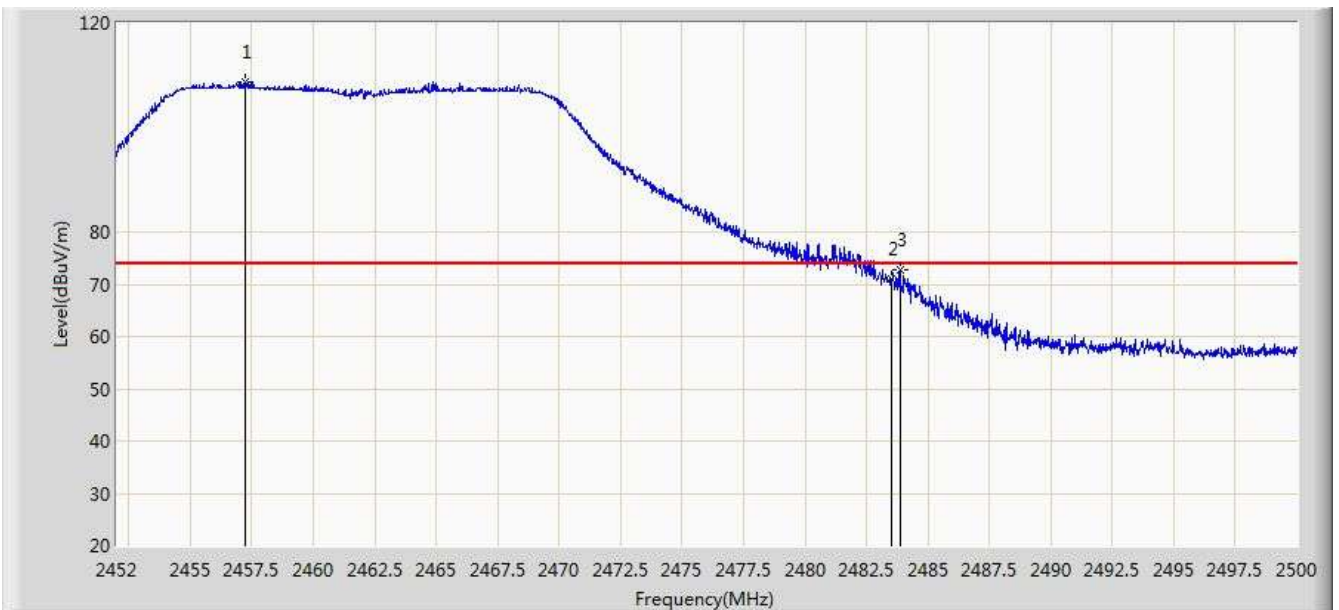


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2456.464	85.691	55.088	N/A	N/A	30.603	AV
2			2483.500	45.023	14.350	-8.977	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 10:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2457.232	108.820	78.216	N/A	N/A	30.604	PK
2			2483.500	71.008	40.335	-2.992	74.000	30.673	PK
3			2483.872	72.729	42.055	-1.271	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 10:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 0	

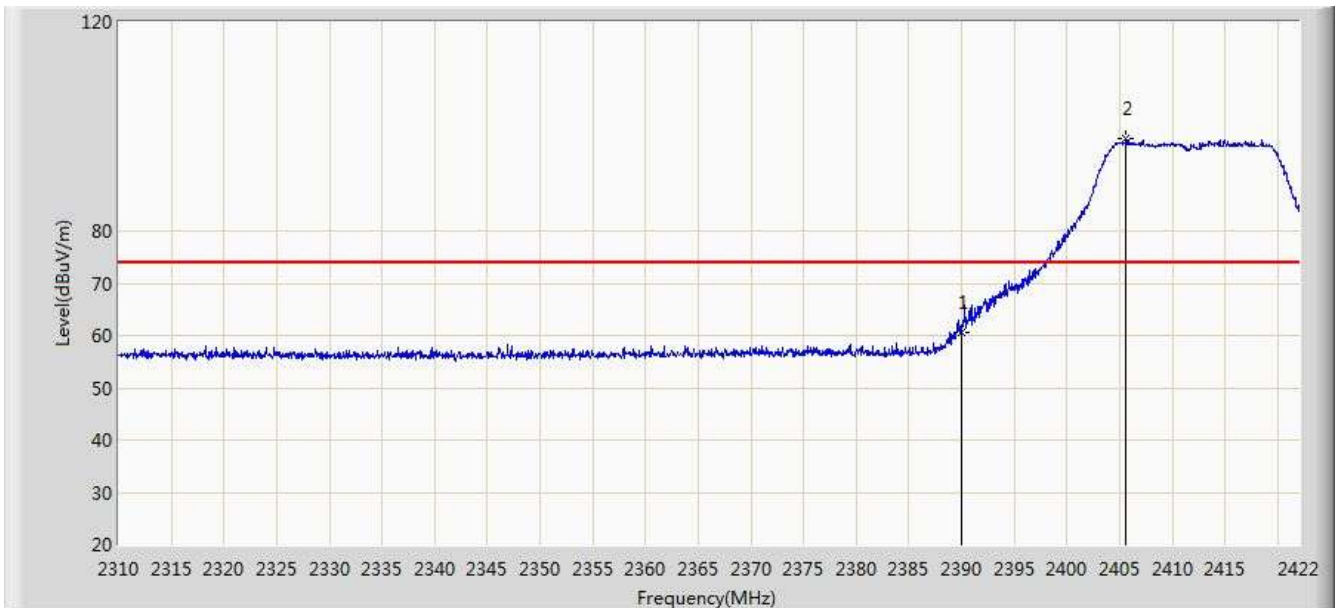


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2454.736	96.865	66.264	N/A	N/A	30.601	AV
2			2483.500	50.866	20.193	-3.134	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 1	

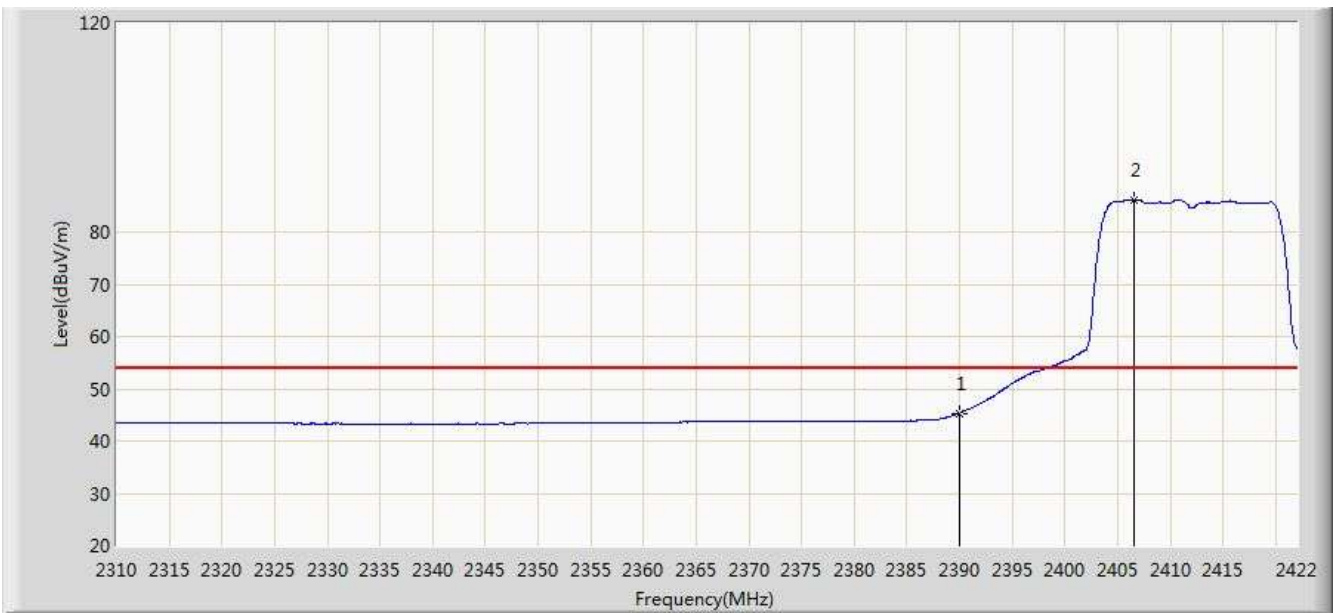


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	60.596	29.912	-13.404	74.000	30.684	PK
2		*	2405.648	97.785	67.130	N/A	N/A	30.656	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 1	

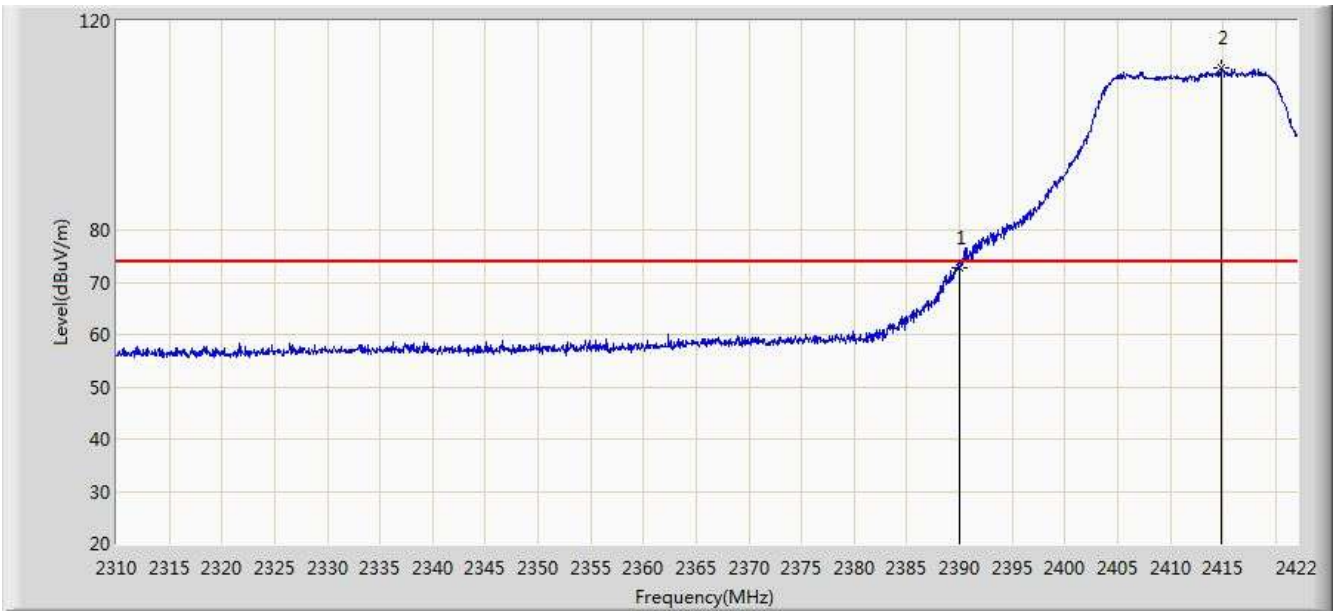


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	45.340	14.656	-8.660	54.000	30.684	AV
2		*	2406.600	86.071	55.417	N/A	N/A	30.653	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 1	

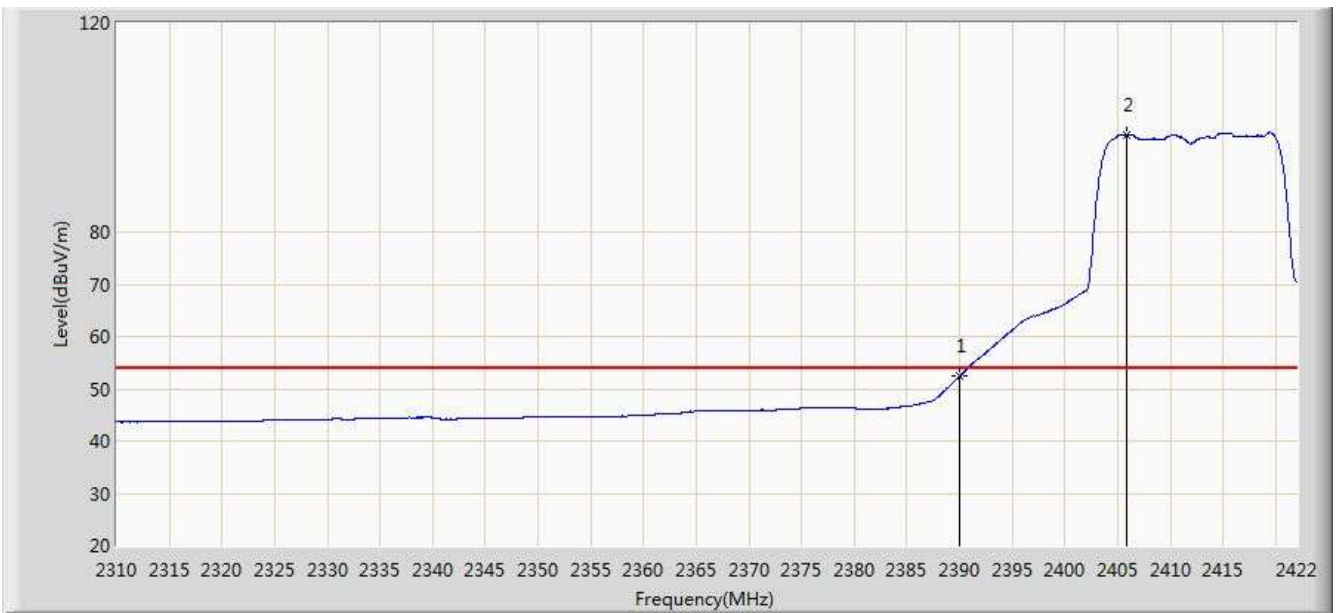


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	72.631	41.947	-1.369	74.000	30.684	PK
2		*	2414.888	110.958	80.318	N/A	N/A	30.640	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2412MHz Chain 1	

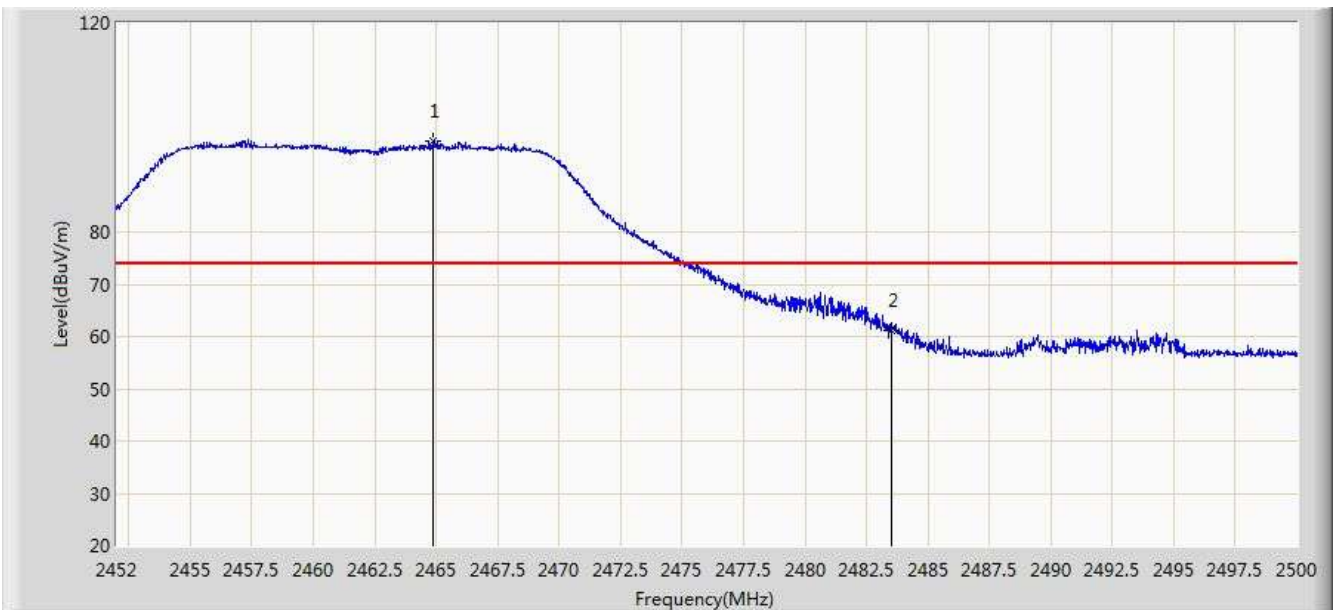


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	52.352	21.668	-1.648	54.000	30.684	AV
2		*	2405.928	98.626	67.971	N/A	N/A	30.655	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.888	97.409	66.791	N/A	N/A	30.618	PK
2			2483.500	61.300	30.627	-12.700	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/07 - 18:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 1	

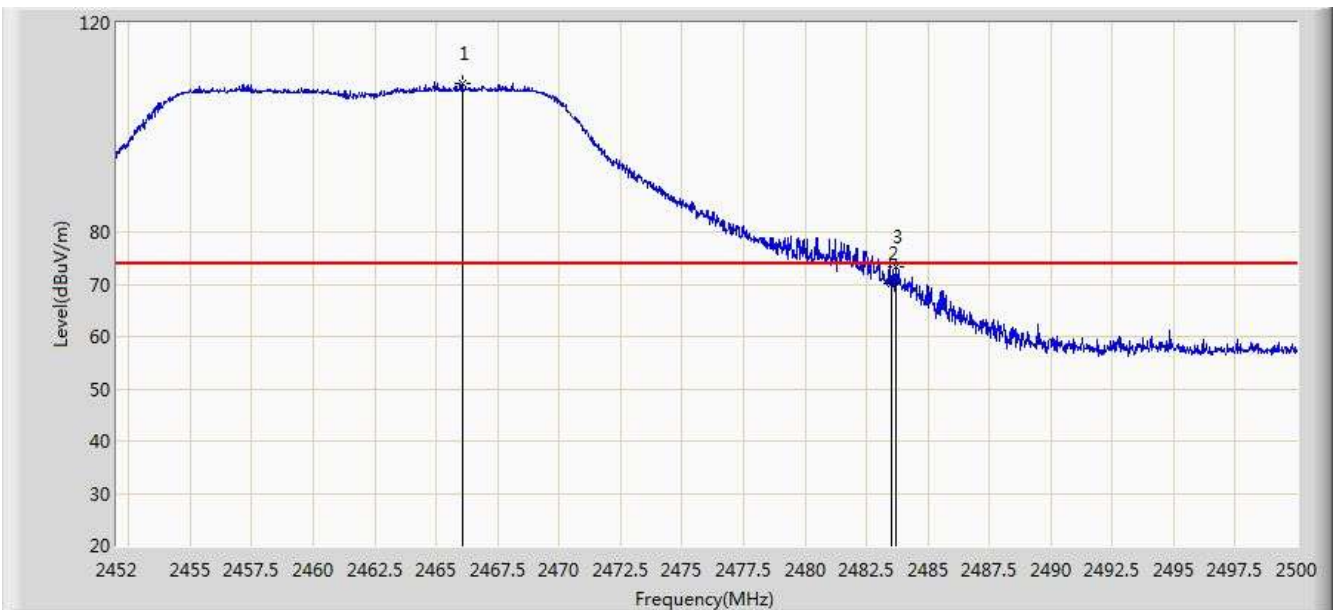


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.192	85.696	55.095	N/A	N/A	30.601	AV
2			2483.500	44.710	14.037	-9.290	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 1	

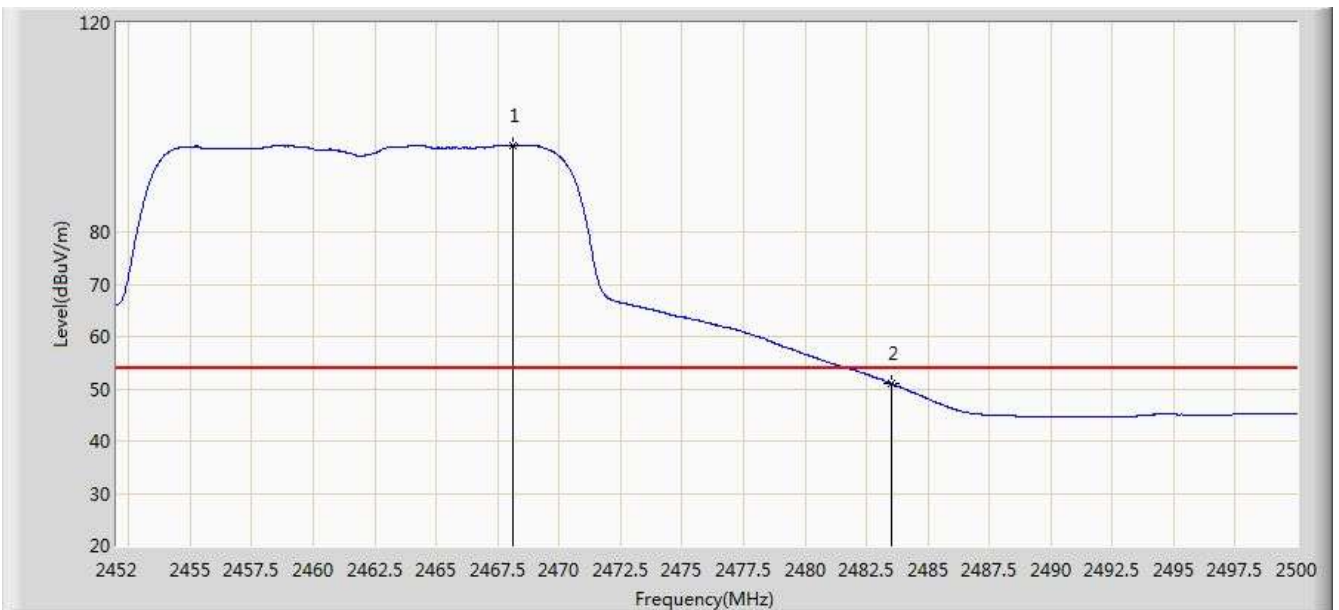


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.064	108.505	77.883	N/A	N/A	30.622	PK
2			2483.500	70.150	39.477	-3.850	74.000	30.673	PK
3			2483.704	73.206	42.533	-0.794	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11g Channel 2462MHz Chain 1	

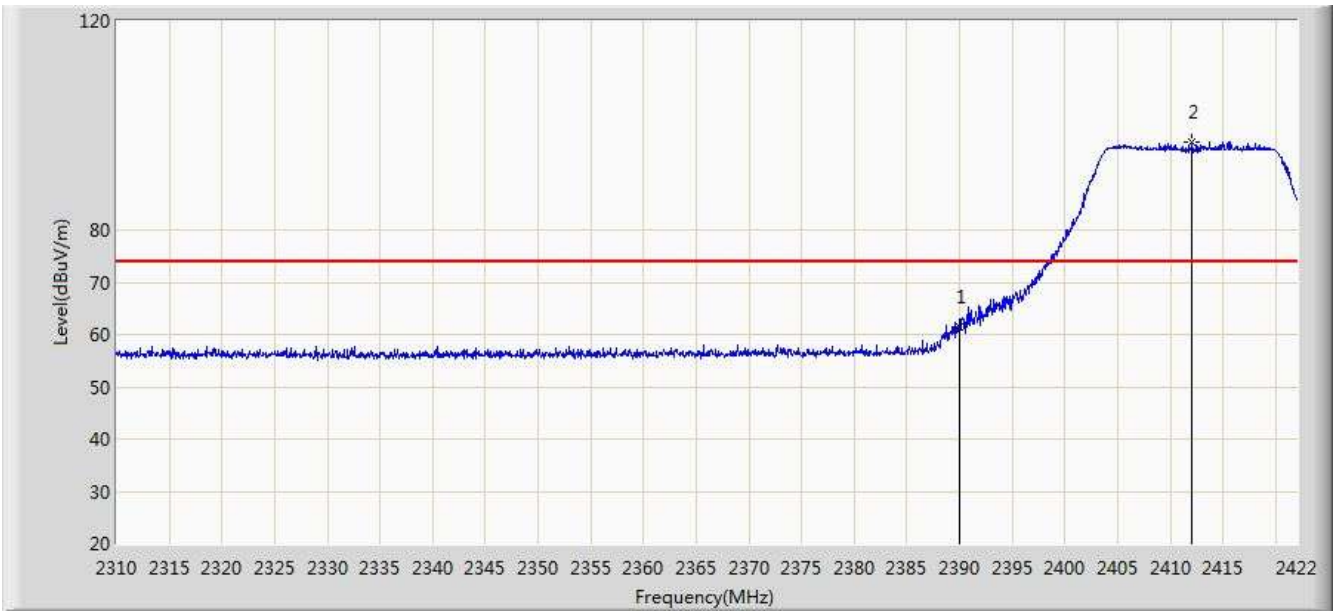


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2468.104	96.593	65.965	N/A	N/A	30.628	AV
2			2483.500	51.014	20.341	-2.986	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 09:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0	

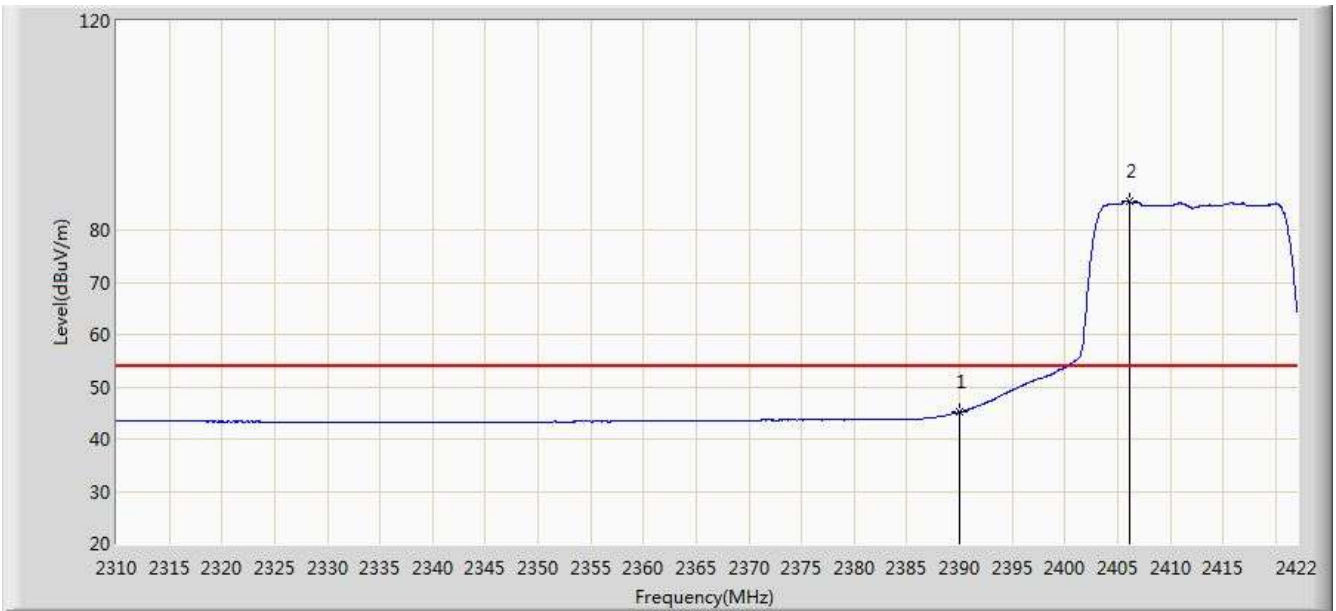


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.573	30.889	-12.427	74.000	30.684	PK
2		*	2412.088	96.869	66.224	N/A	N/A	30.645	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 09:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0	

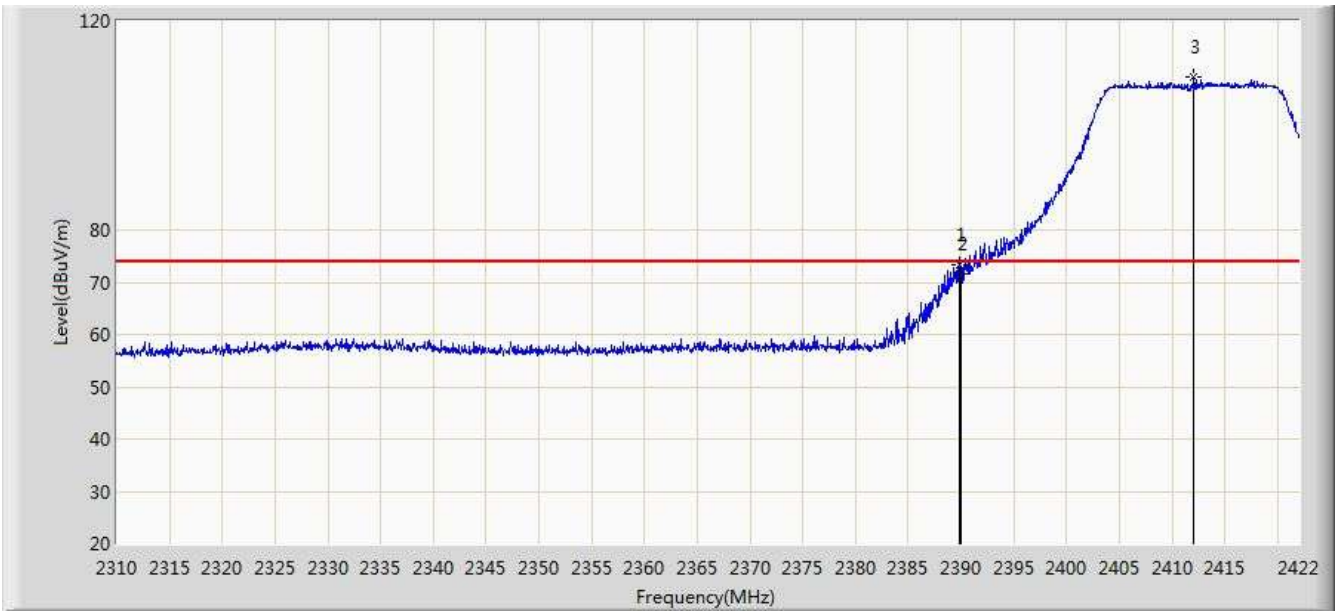


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	45.129	14.445	-8.871	54.000	30.684	AV
2		*	2406.152	85.376	54.722	N/A	N/A	30.654	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0	

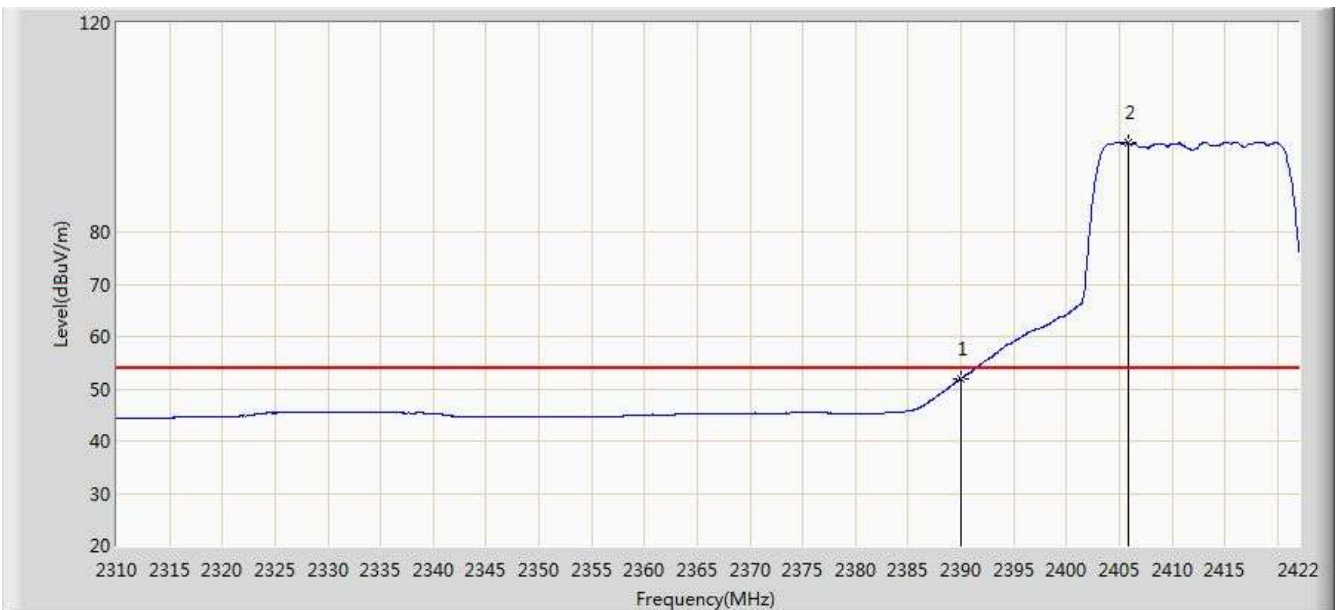


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.800	73.460	42.776	-0.540	74.000	30.684	PK
2			2390.000	71.661	40.977	-2.339	74.000	30.684	PK
3		*	2412.088	109.251	78.606	N/A	N/A	30.645	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0	

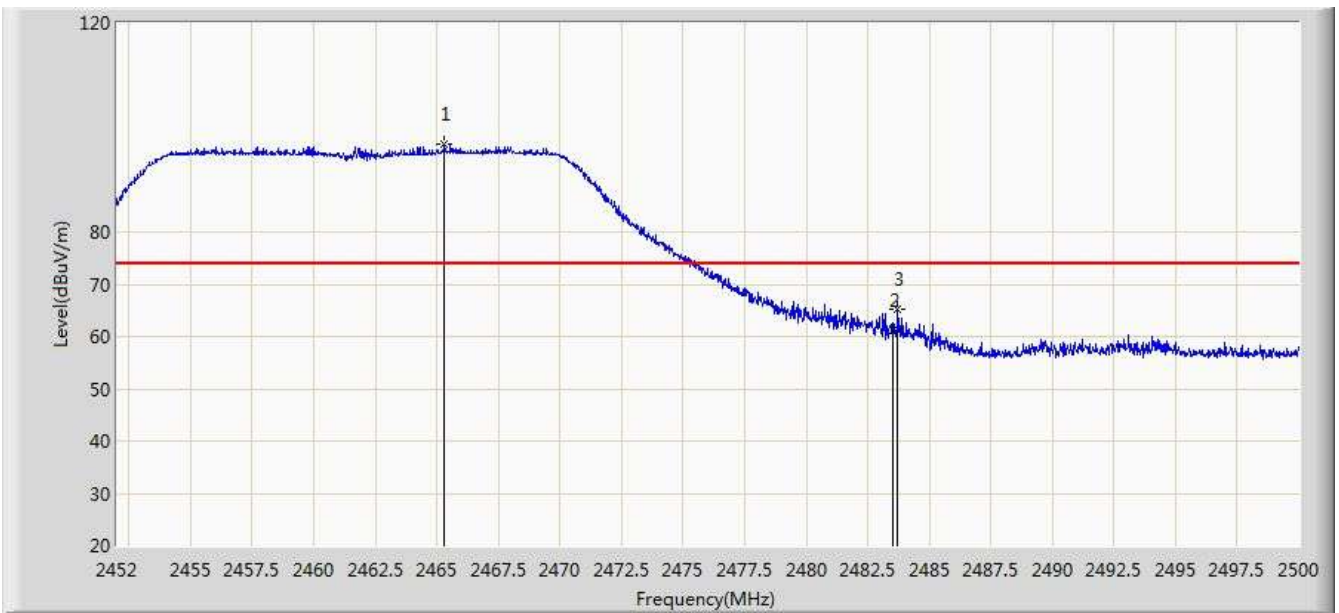


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	51.956	21.272	-2.044	54.000	30.684	AV
2		*	2405.928	96.957	66.302	N/A	N/A	30.655	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 09:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0	

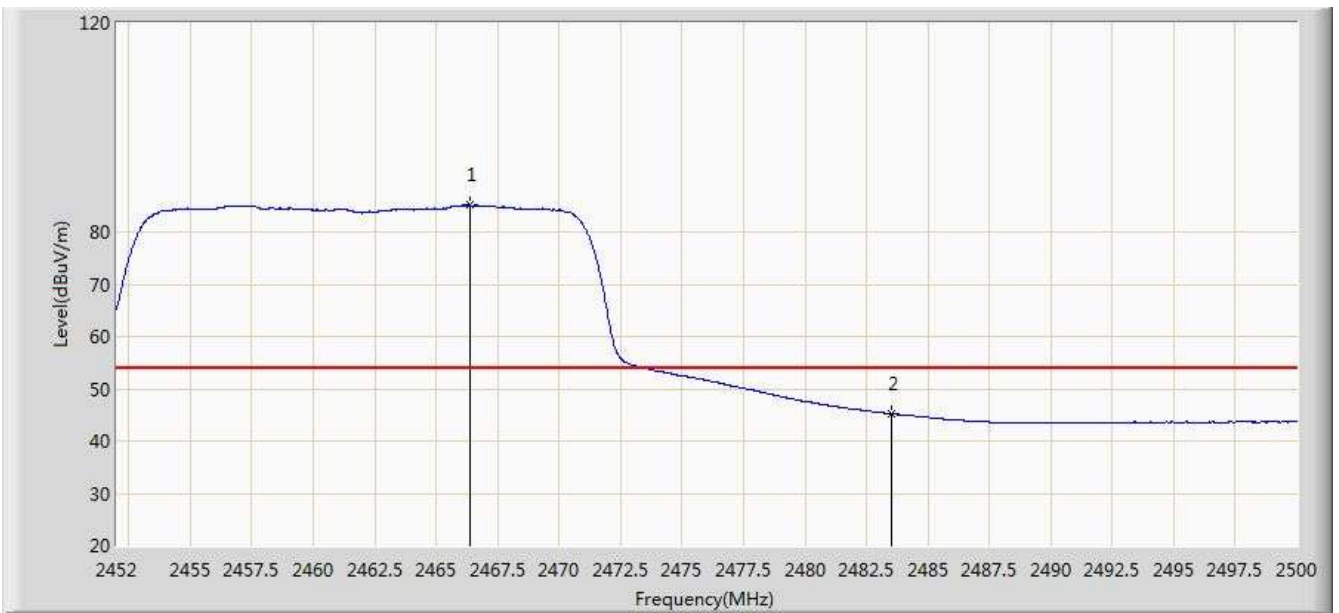


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2465.320	96.684	66.065	N/A	N/A	30.620	PK
2			2483.500	61.264	30.591	-12.736	74.000	30.673	PK
3			2483.728	65.161	34.488	-8.839	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 09:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0	

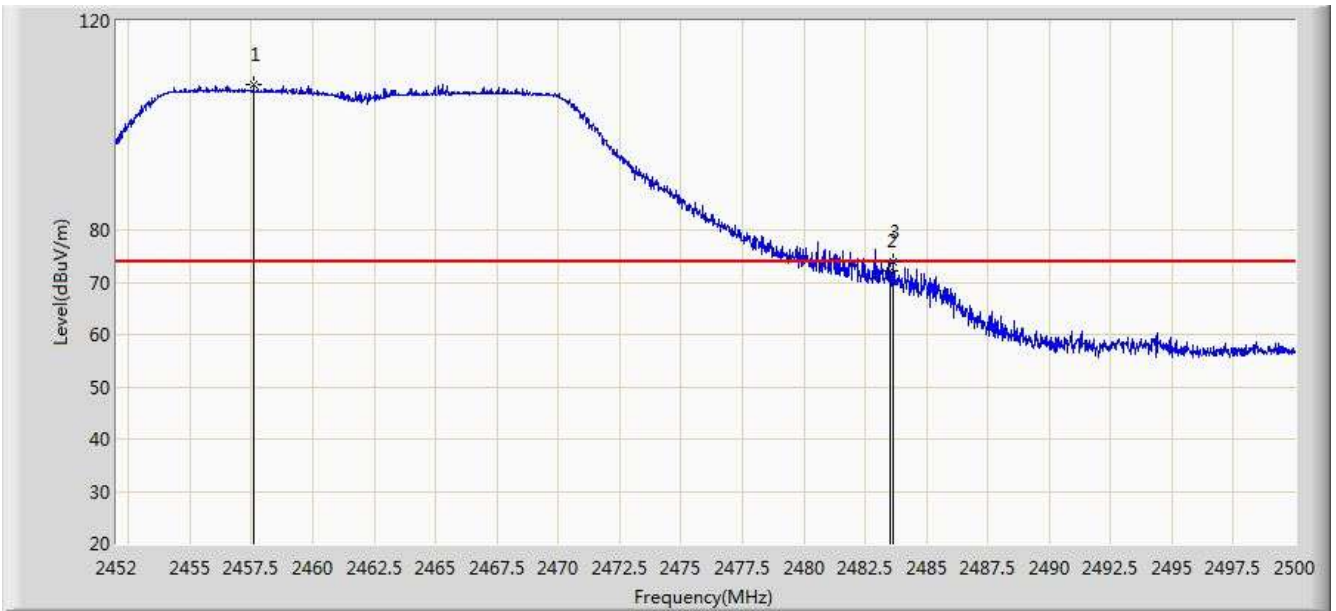


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.376	85.076	54.453	N/A	N/A	30.623	AV
2			2483.500	45.214	14.541	-8.786	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2457.592	107.891	77.286	N/A	N/A	30.604	PK
2			2483.500	72.120	41.447	-1.880	74.000	30.673	PK
3			2483.632	73.911	43.238	-0.089	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/10 - 11:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0	

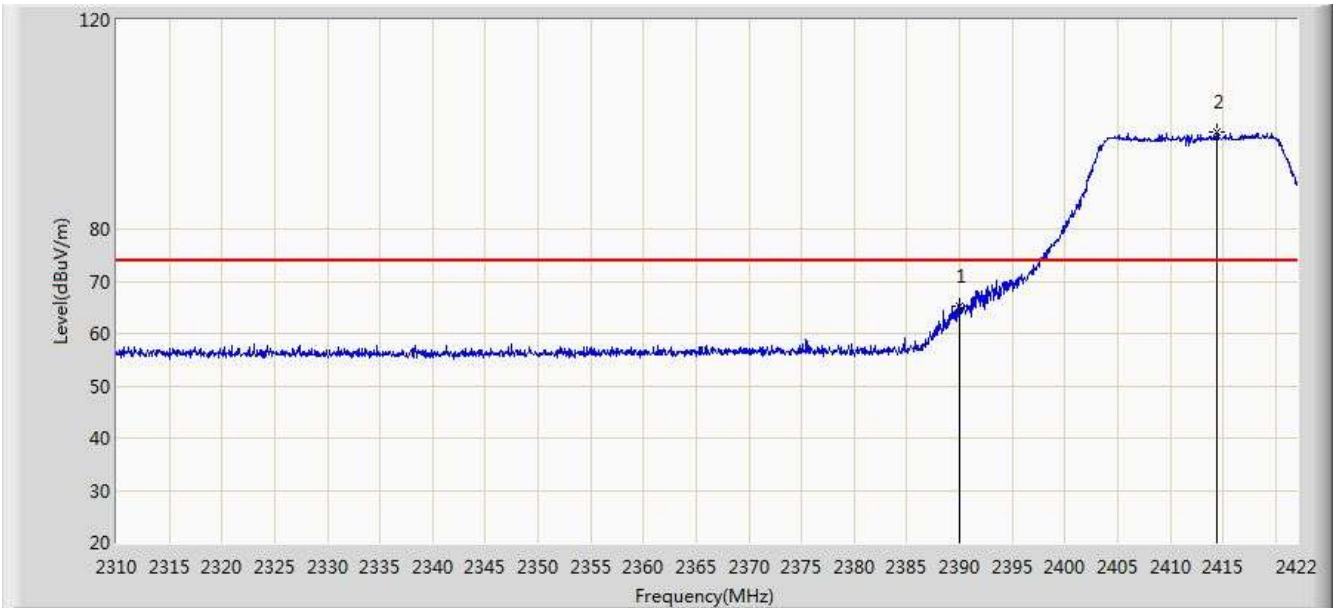


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.936	96.180	65.578	N/A	N/A	30.602	AV
2			2483.500	51.896	21.223	-2.104	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 1	

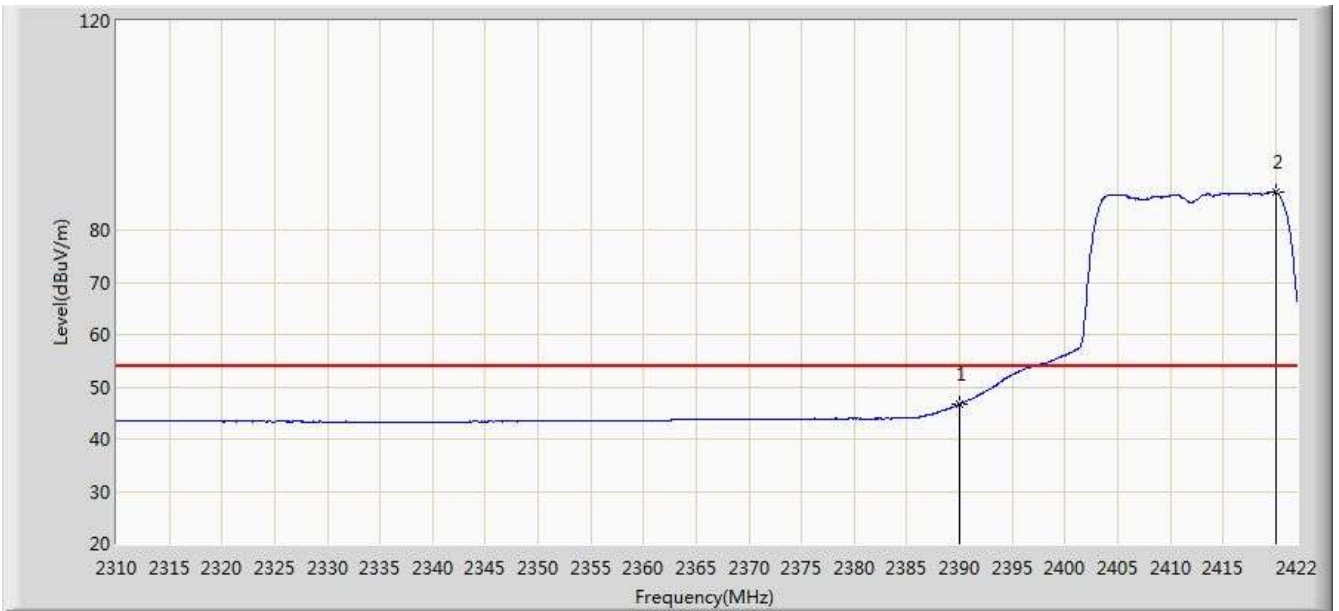


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	65.084	34.400	-8.916	74.000	30.684	PK
2		*	2414.440	98.522	67.881	N/A	N/A	30.641	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 1	

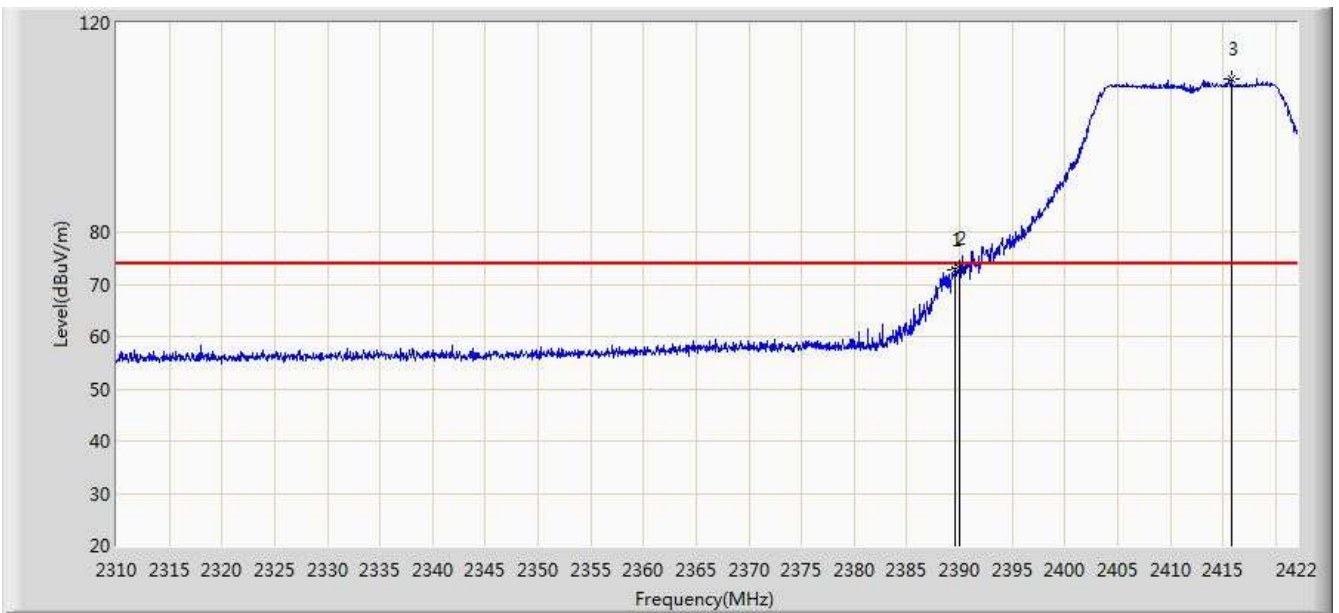


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	46.681	15.997	-7.319	54.000	30.684	AV
2		*	2420.040	87.108	56.476	N/A	N/A	30.632	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 1	

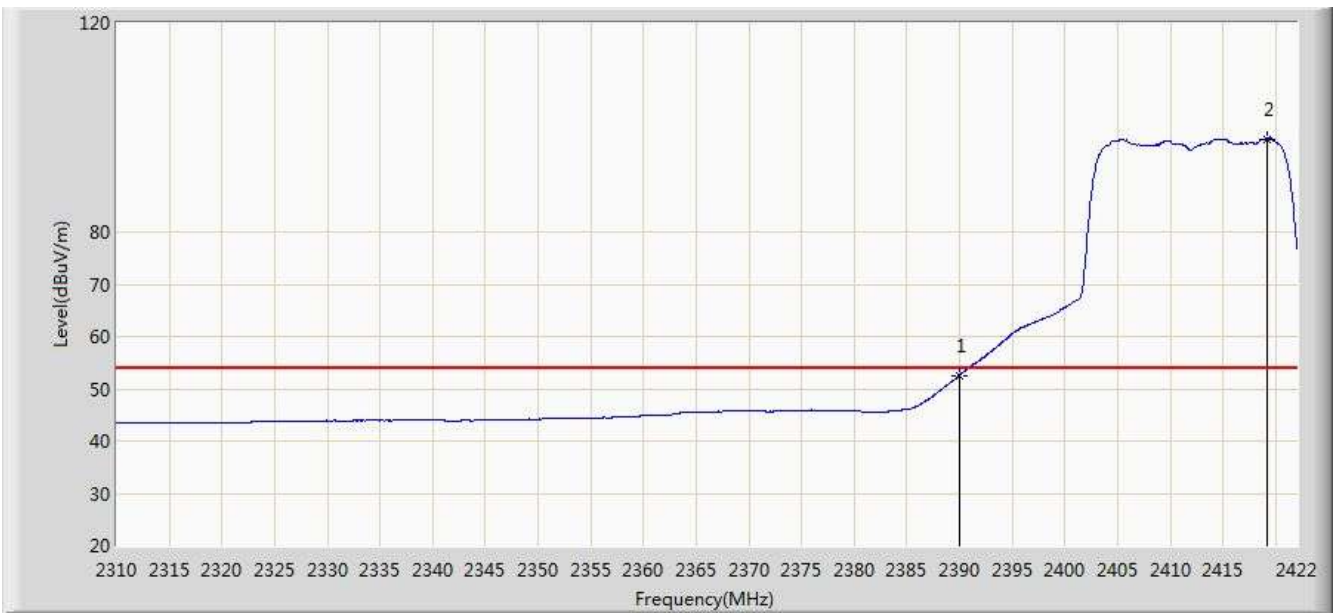


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.576	72.786	42.101	-1.214	74.000	30.685	PK
2			2390.000	73.031	42.347	-0.969	74.000	30.684	PK
3		*	2415.784	109.234	78.595	N/A	N/A	30.639	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 1	

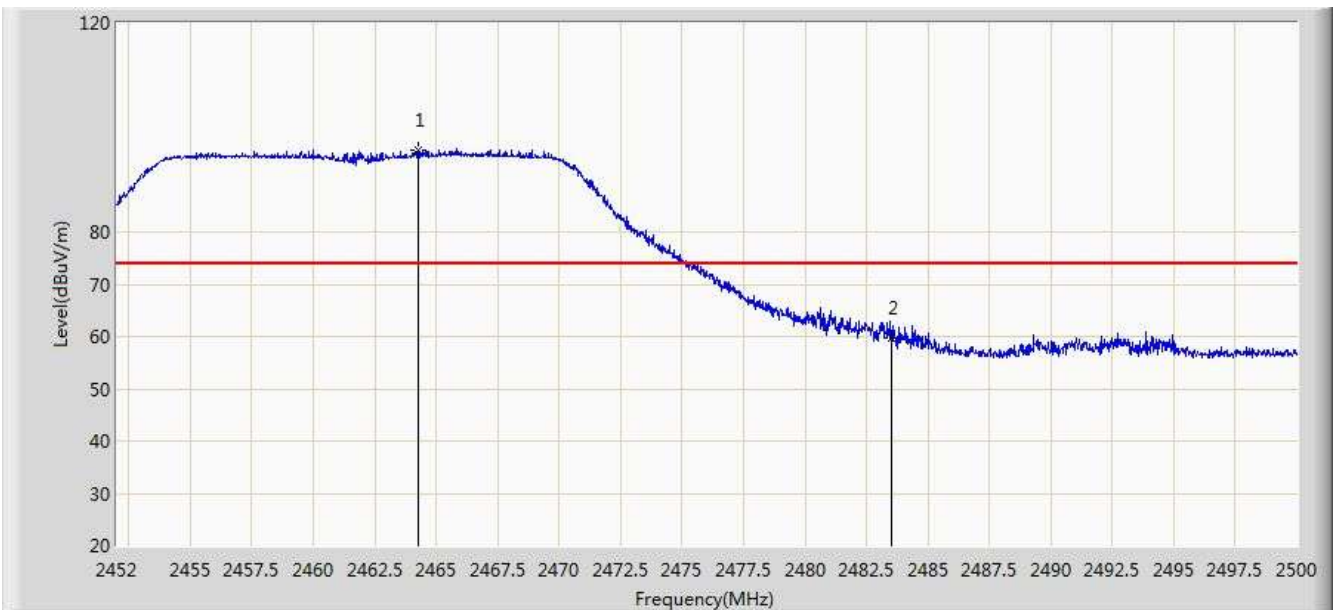


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	52.585	21.901	-1.415	54.000	30.684	AV
2		*	2419.144	97.806	67.172	N/A	N/A	30.634	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 1	

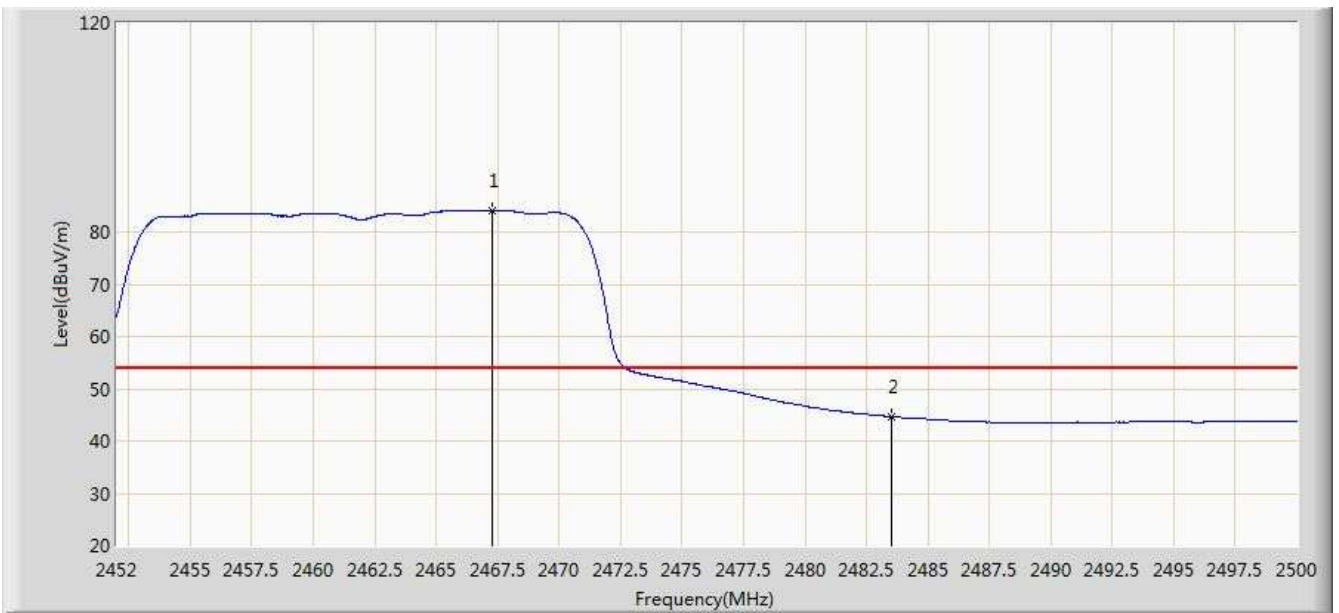


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.288	95.677	65.061	N/A	N/A	30.617	PK
2			2483.500	59.799	29.126	-14.201	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 10:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 1	

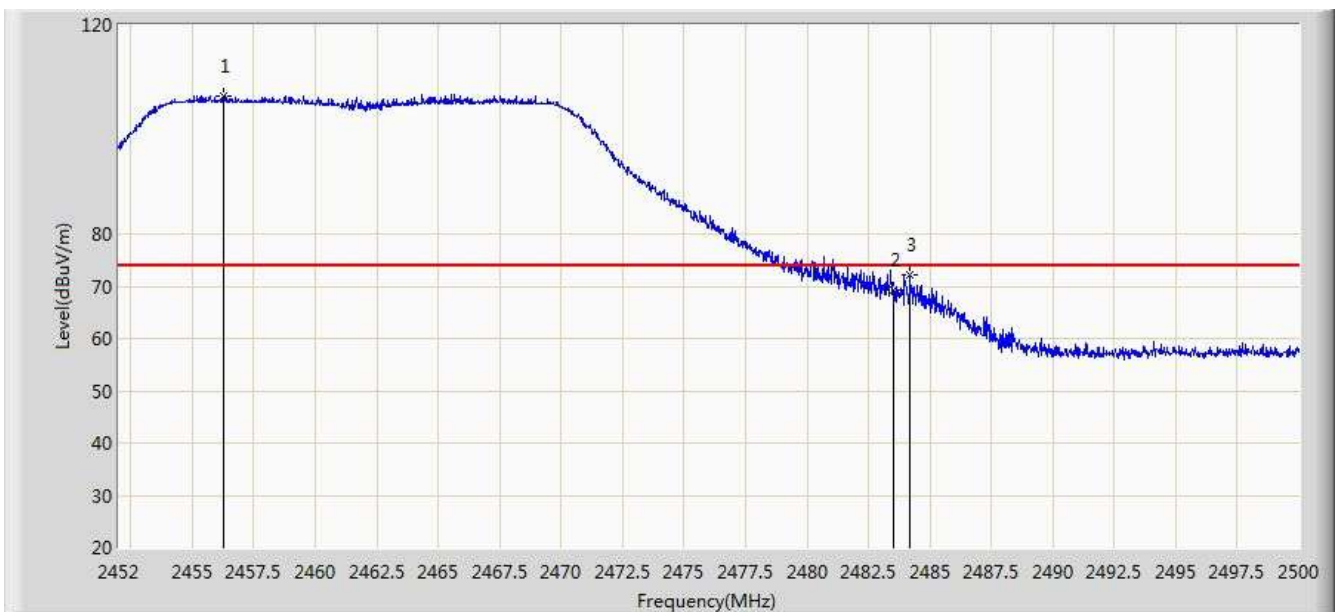


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2467.288	84.149	53.524	N/A	N/A	30.625	AV
2			2483.500	44.669	13.996	-9.331	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2456.248	106.499	75.896	N/A	N/A	30.603	PK
2			2483.500	69.134	38.461	-4.866	74.000	30.673	PK
3			2484.208	72.302	41.627	-1.698	74.000	30.675	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 1	

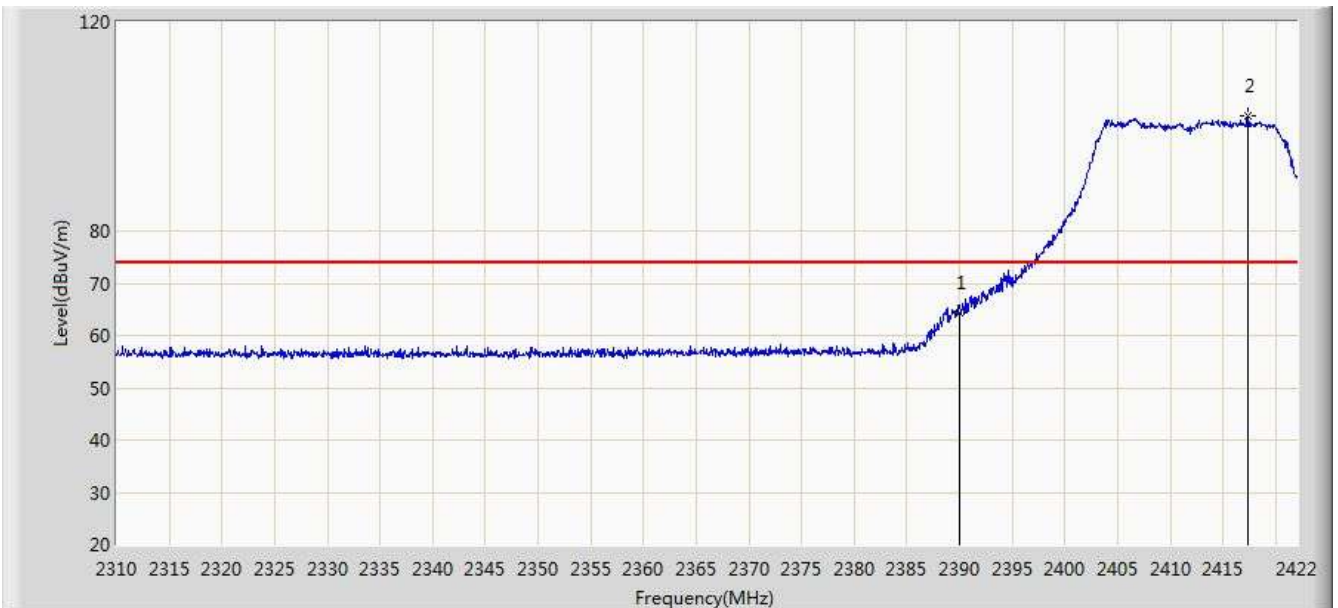


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.024	94.961	64.360	N/A	N/A	30.601	AV
2			2483.500	50.280	19.607	-3.720	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0+1	

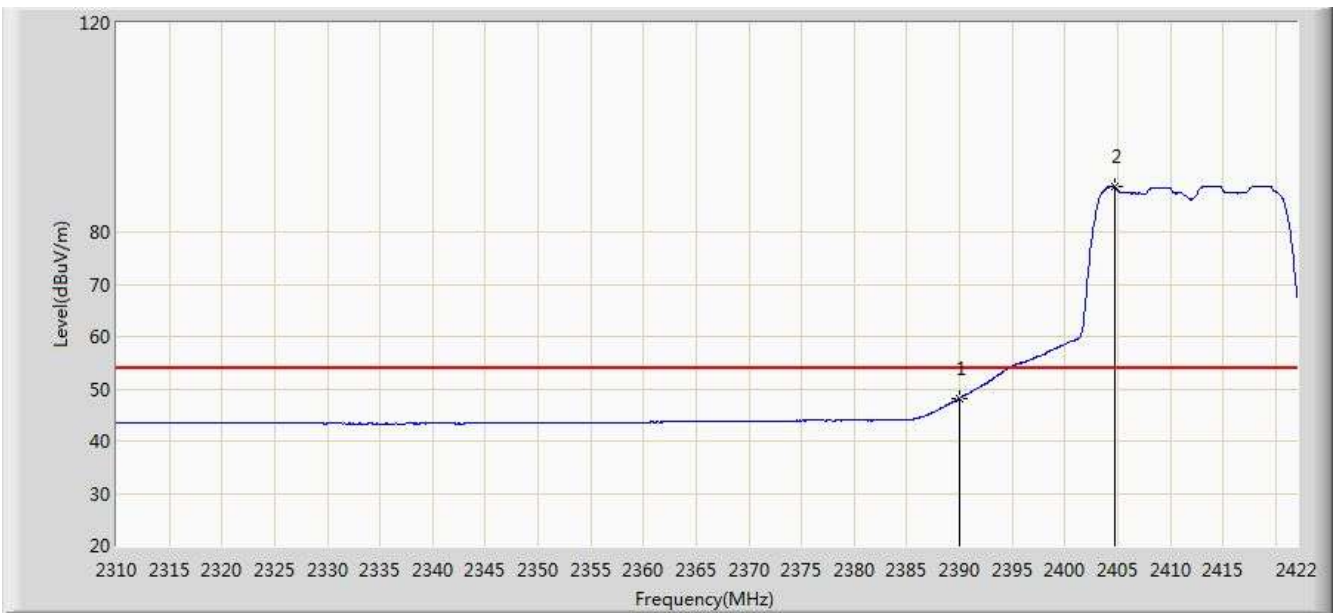


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	64.376	33.692	-9.624	74.000	30.684	PK
2		*	2417.408	102.014	71.378	N/A	N/A	30.636	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0+1	

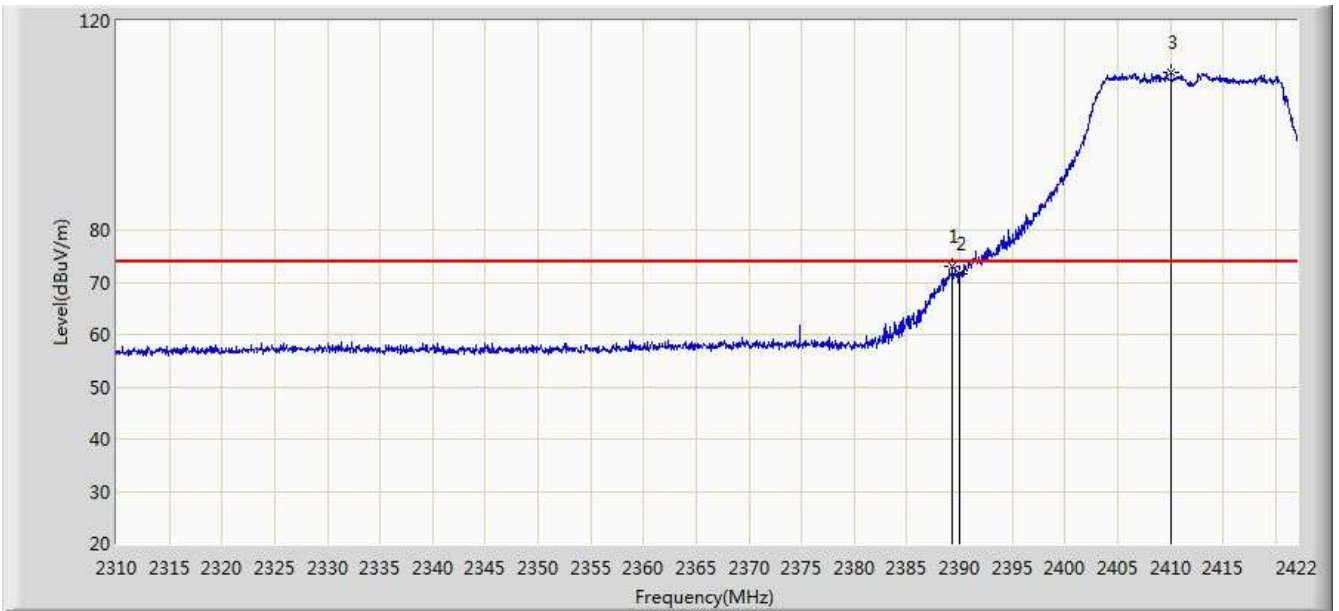


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	48.166	17.482	-5.834	54.000	30.684	AV
2		*	2404.696	88.679	58.022	N/A	N/A	30.657	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0+1	

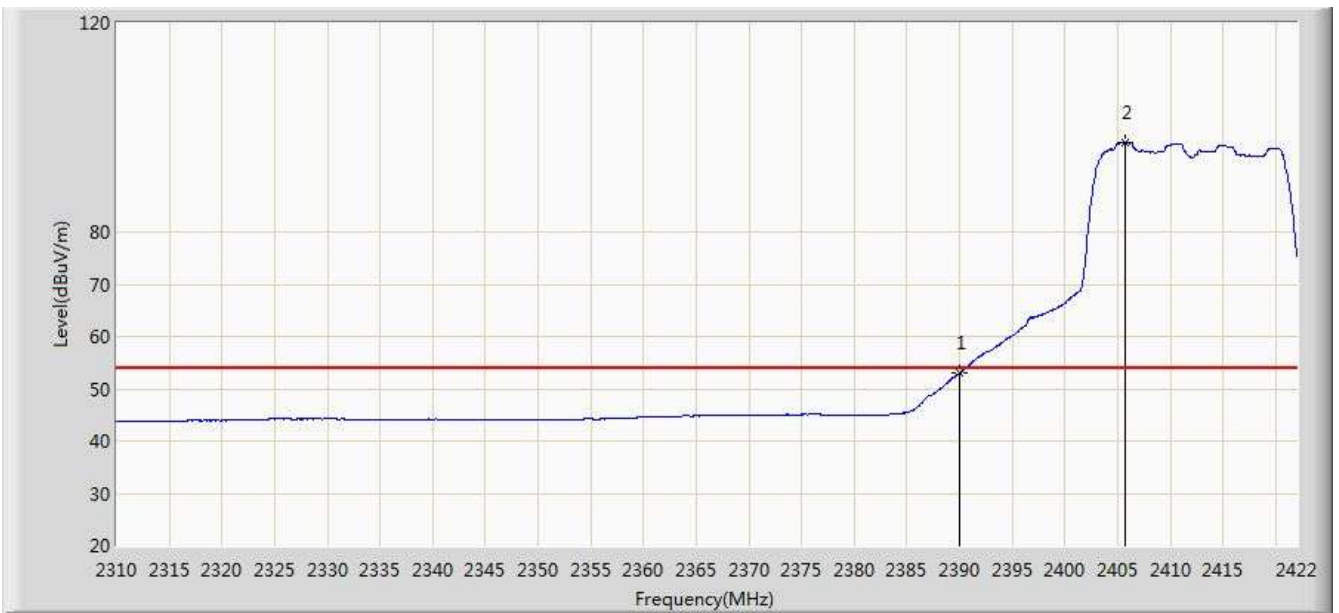


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.296	72.919	42.234	-1.081	74.000	30.686	PK
2			2390.000	71.567	40.883	-2.433	74.000	30.684	PK
3		*	2410.072	110.168	79.520	N/A	N/A	30.648	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT:WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2412MHz Chain 0+1	

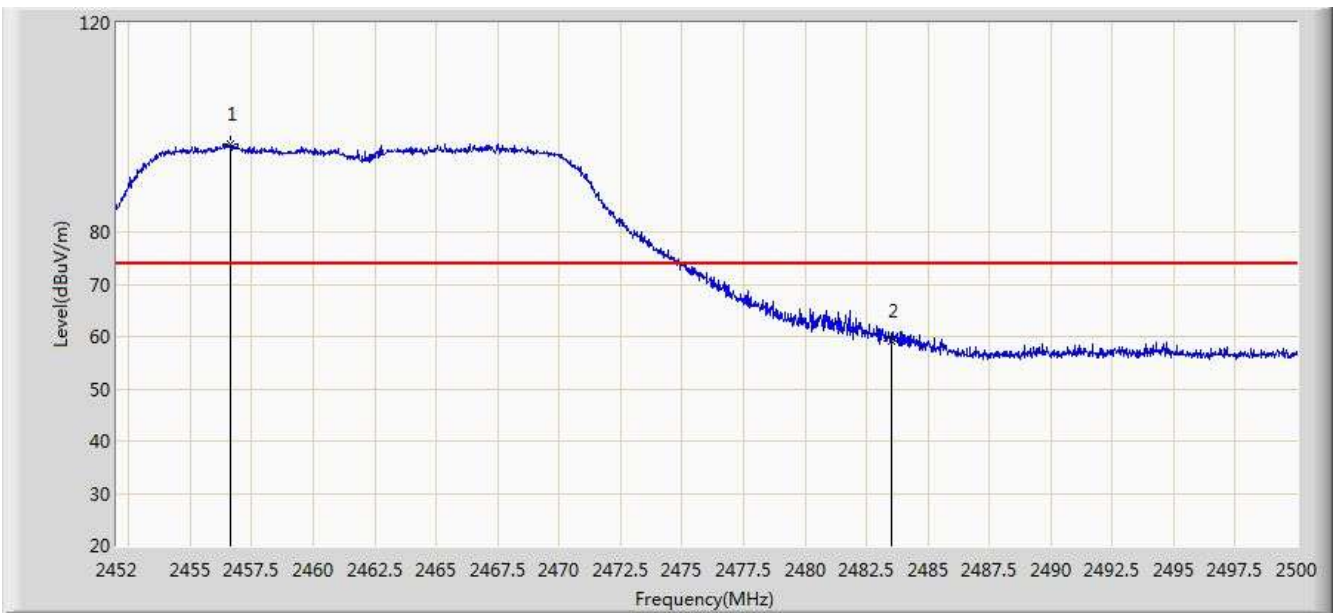


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.008	22.324	-0.992	54.000	30.684	AV
2		*	2405.760	97.035	66.380	N/A	N/A	30.655	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0+1	

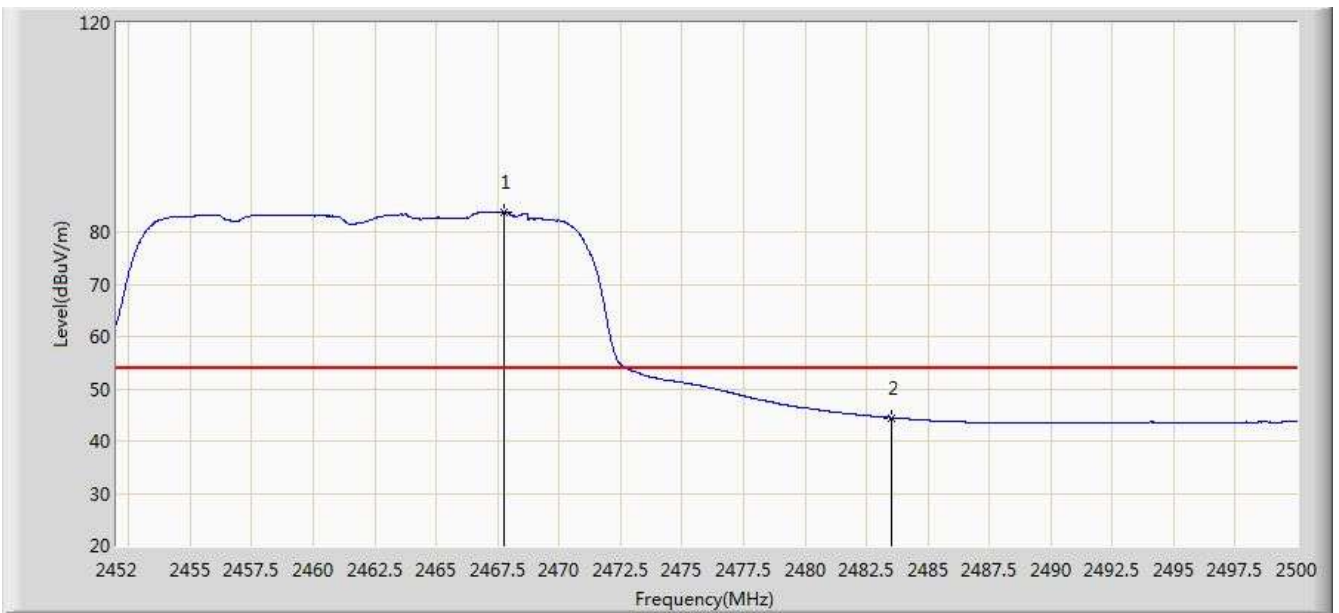


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2456.656	96.744	66.141	N/A	N/A	30.604	PK
2			2483.500	59.229	28.556	-14.771	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0+1	

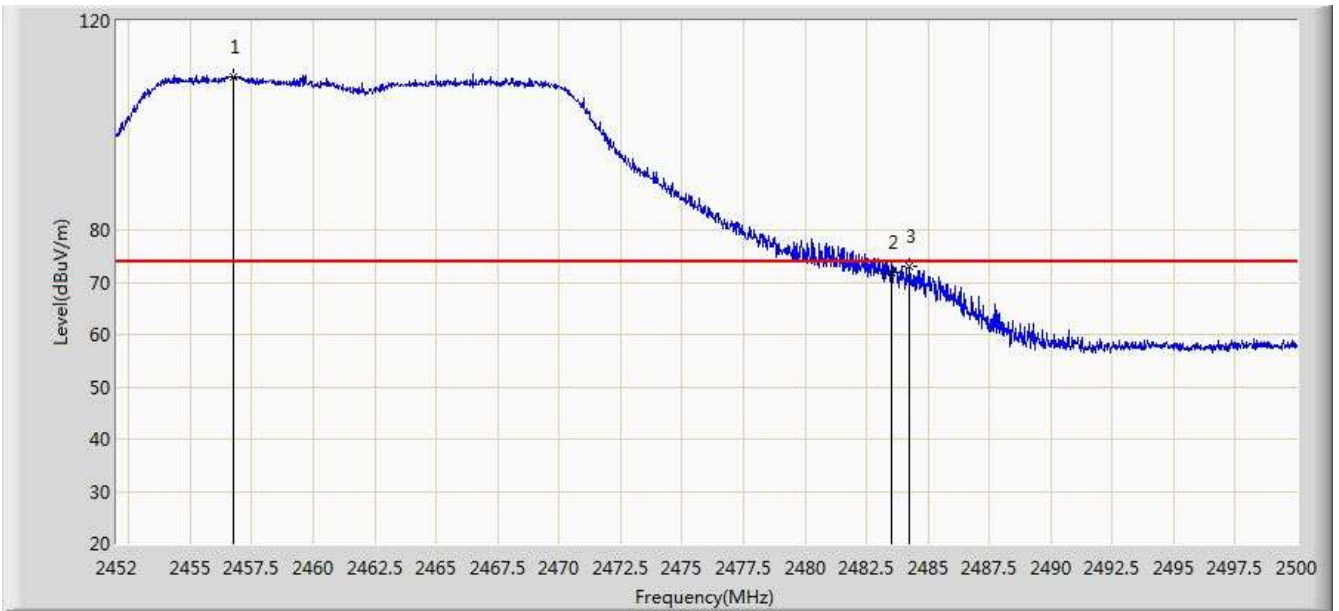


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2467.768	83.821	53.194	N/A	N/A	30.626	AV
2			2483.500	44.485	13.812	-9.515	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2456.728	109.359	78.755	N/A	N/A	30.604	PK
2			2483.500	71.965	41.292	-2.035	74.000	30.673	PK
3			2484.256	73.172	42.497	-0.828	74.000	30.675	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 11:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT20 Channel 2462MHz Chain 0+1	

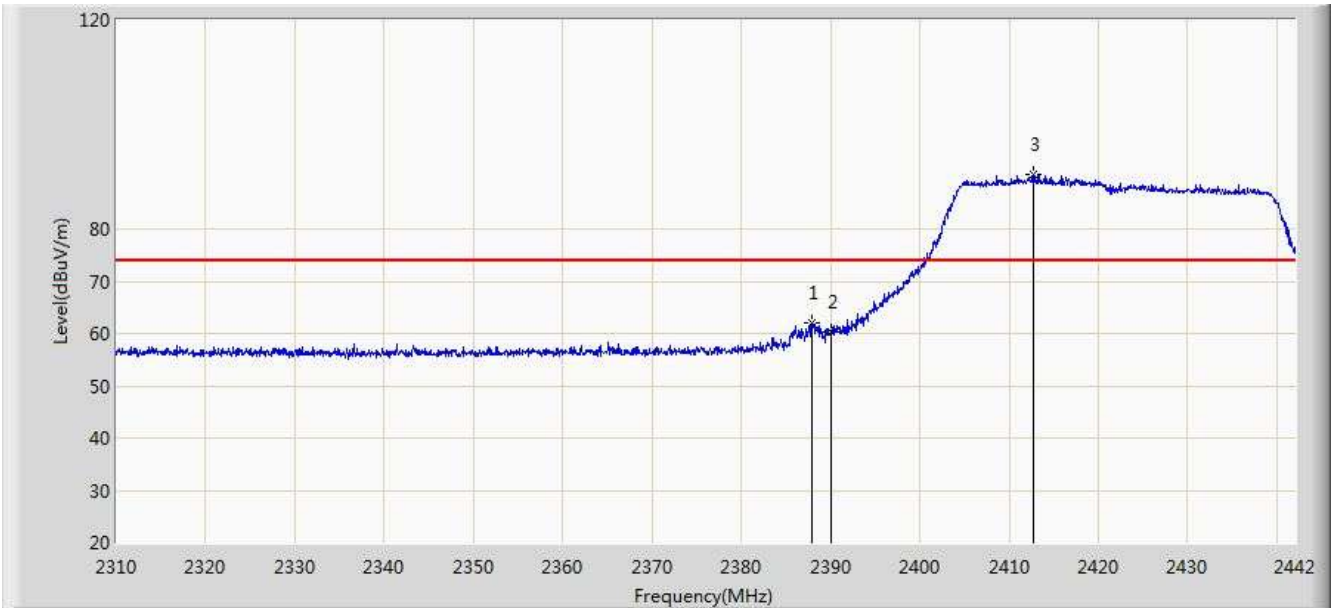


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.696	96.611	66.009	N/A	N/A	30.602	AV
2			2483.500	52.445	21.772	-1.555	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0	

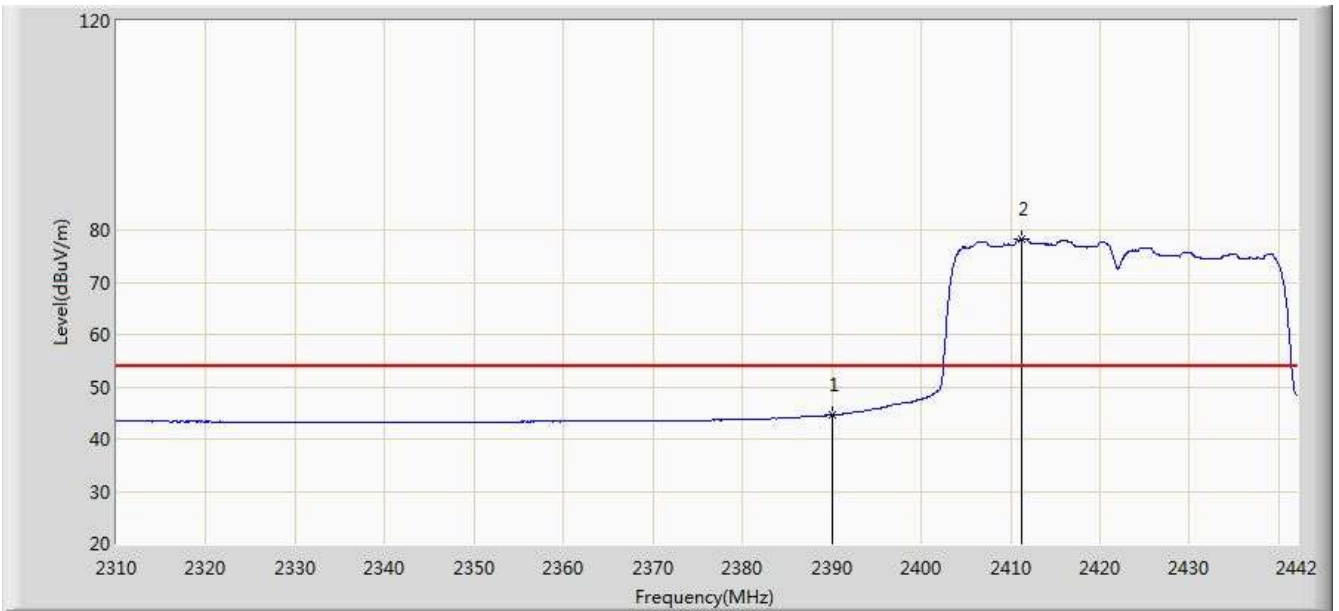


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2387.946	62.122	31.434	-11.878	74.000	30.688	PK
2			2390.000	60.223	29.539	-13.777	74.000	30.684	PK
3		*	2412.762	90.405	59.761	N/A	N/A	30.643	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0	

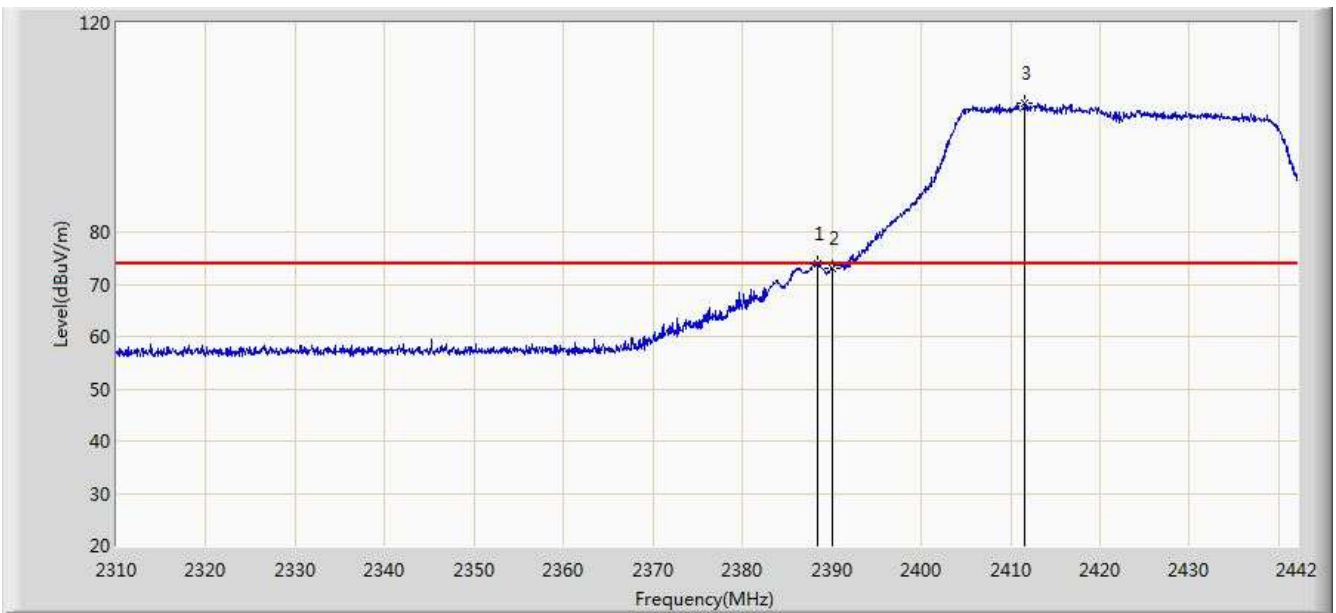


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	44.588	13.904	-9.412	54.000	30.684	AV
2		*	2411.310	78.205	47.559	N/A	N/A	30.646	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0	

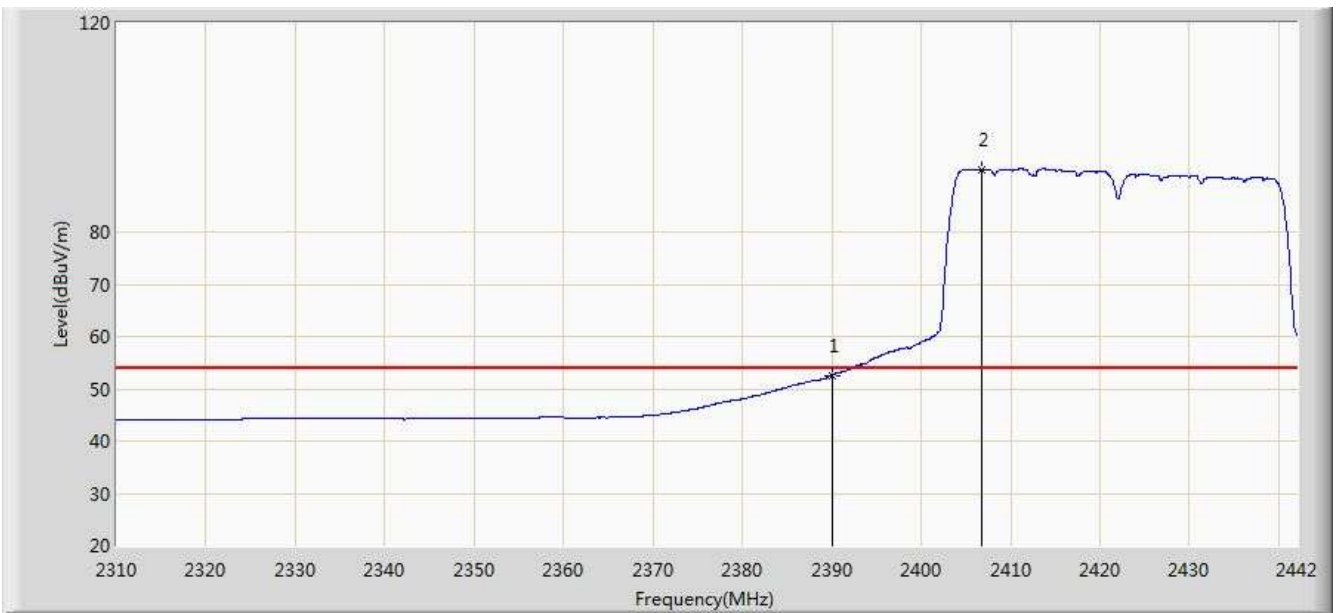


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.342	73.980	43.293	-0.020	74.000	30.687	PK
2			2390.000	73.151	42.467	-0.849	74.000	30.684	PK
3		*	2411.574	104.631	73.986	N/A	N/A	30.645	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0	

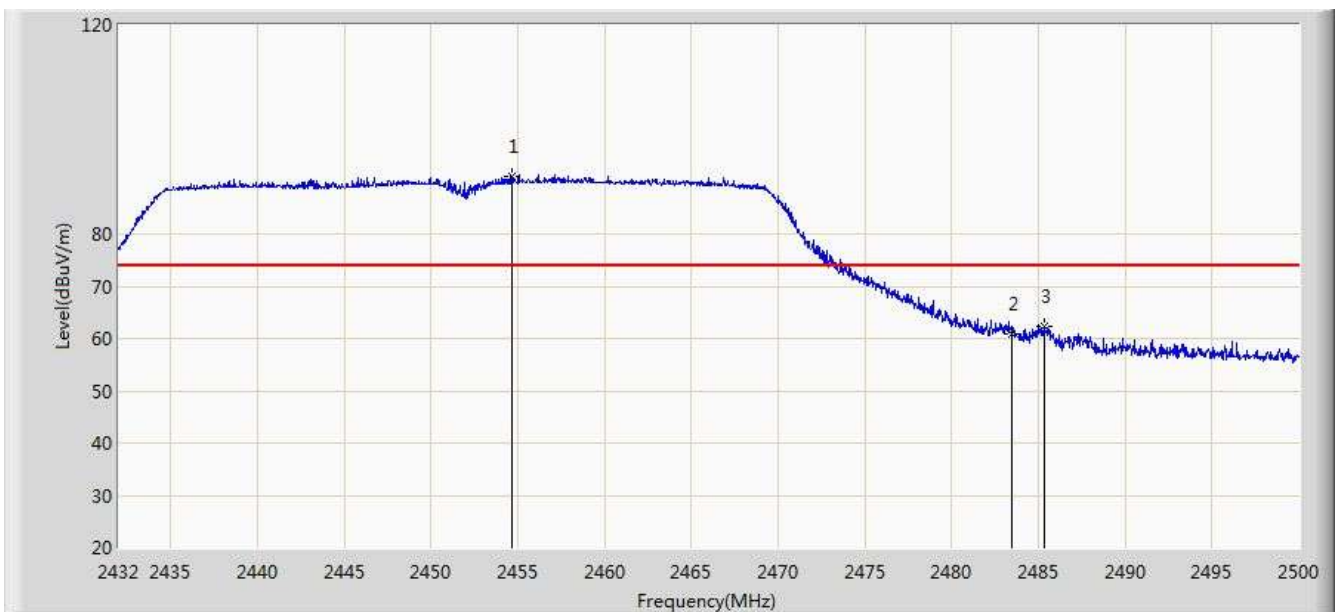


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	52.588	21.904	-1.412	54.000	30.684	AV
2		*	2406.822	91.938	61.285	N/A	N/A	30.654	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0	

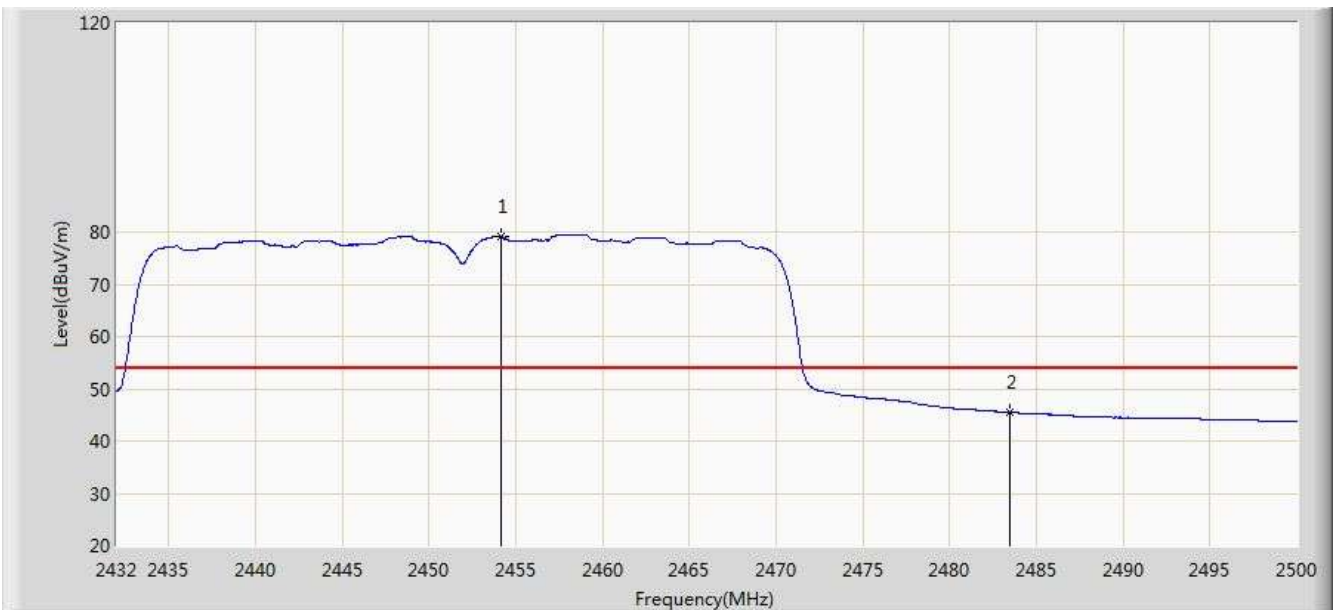


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2454.644	90.975	60.375	N/A	N/A	30.601	PK
2			2483.500	60.743	30.070	-13.257	74.000	30.673	PK
3			2485.312	62.461	31.783	-11.539	74.000	30.678	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 13:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0	

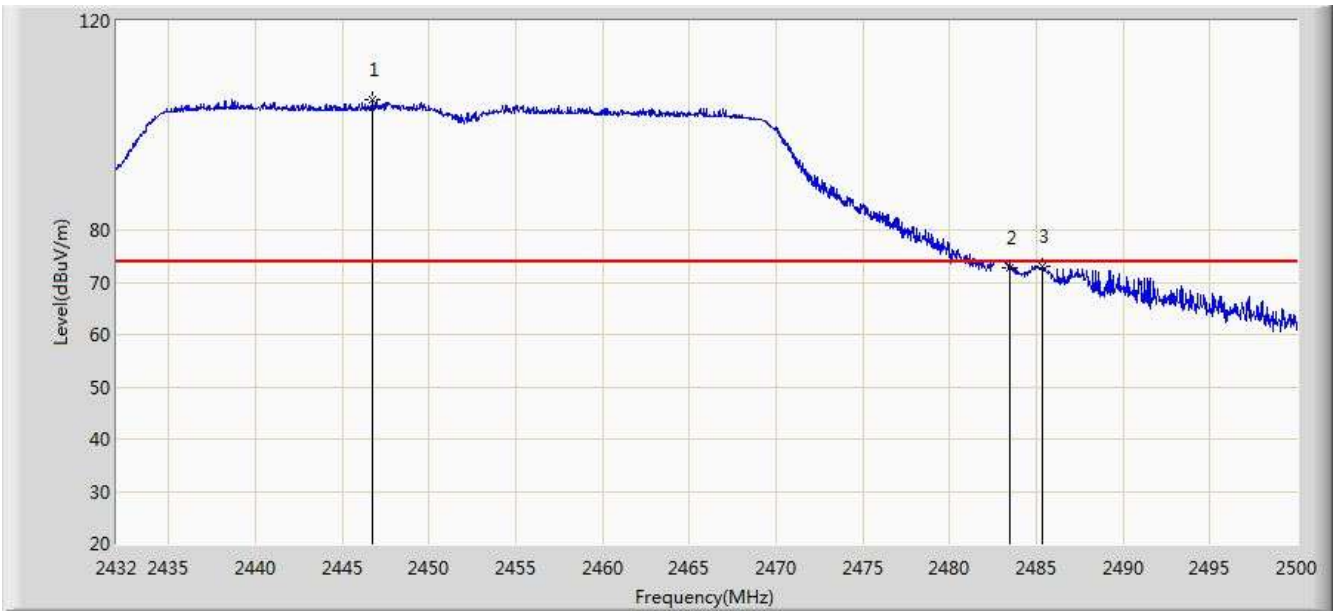


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2454.168	79.191	48.591	N/A	N/A	30.599	AV
2			2483.500	45.492	14.819	-8.508	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0	

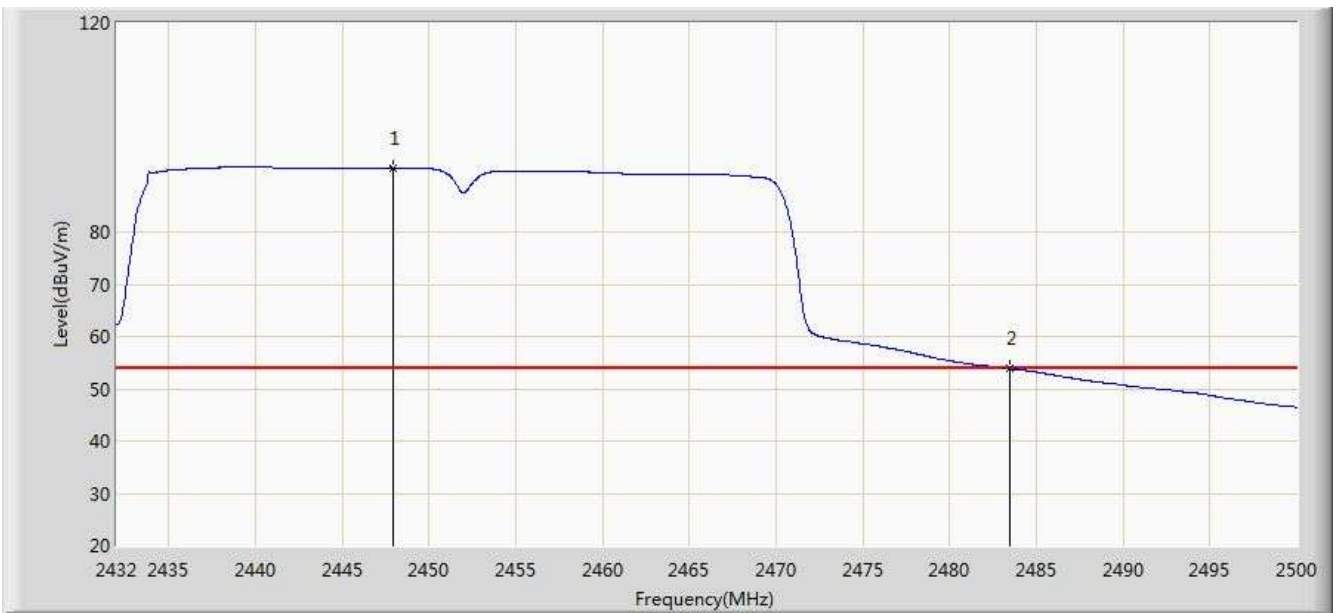


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2446.722	105.018	74.429	N/A	N/A	30.589	PK
2			2483.500	72.834	42.161	-1.166	74.000	30.673	PK
3			2485.346	73.147	42.469	-0.853	74.000	30.678	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0	

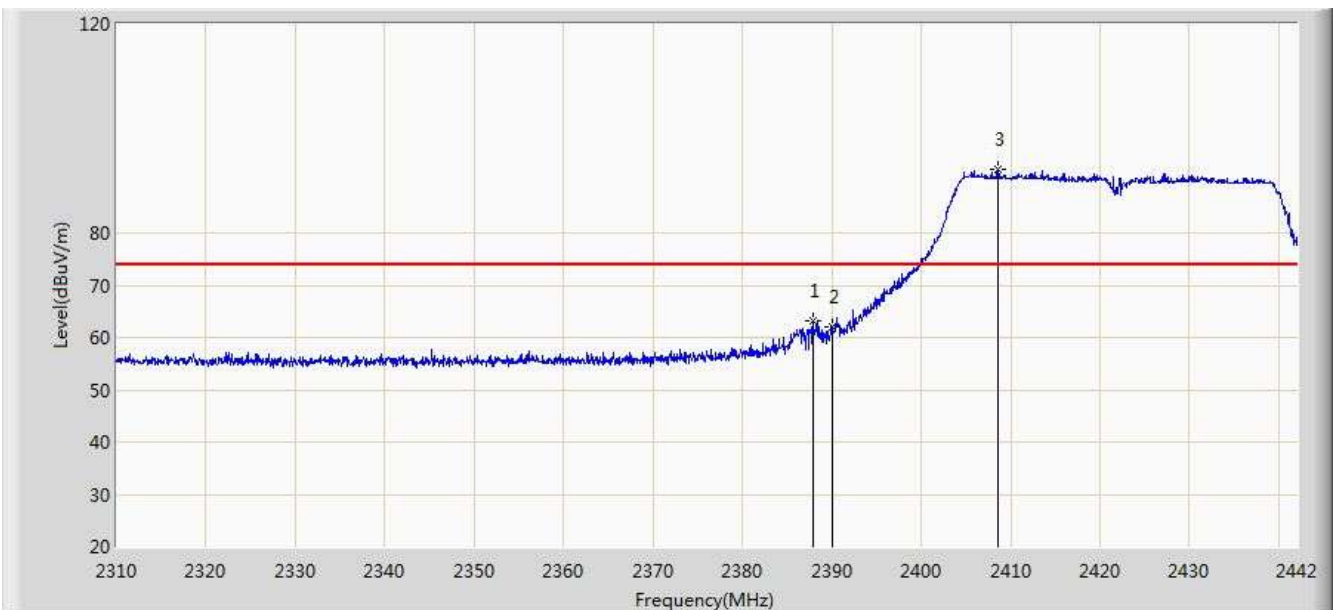


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2447.946	92.293	61.703	N/A	N/A	30.591	AV
2			2483.500	53.844	23.171	-0.156	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 1	

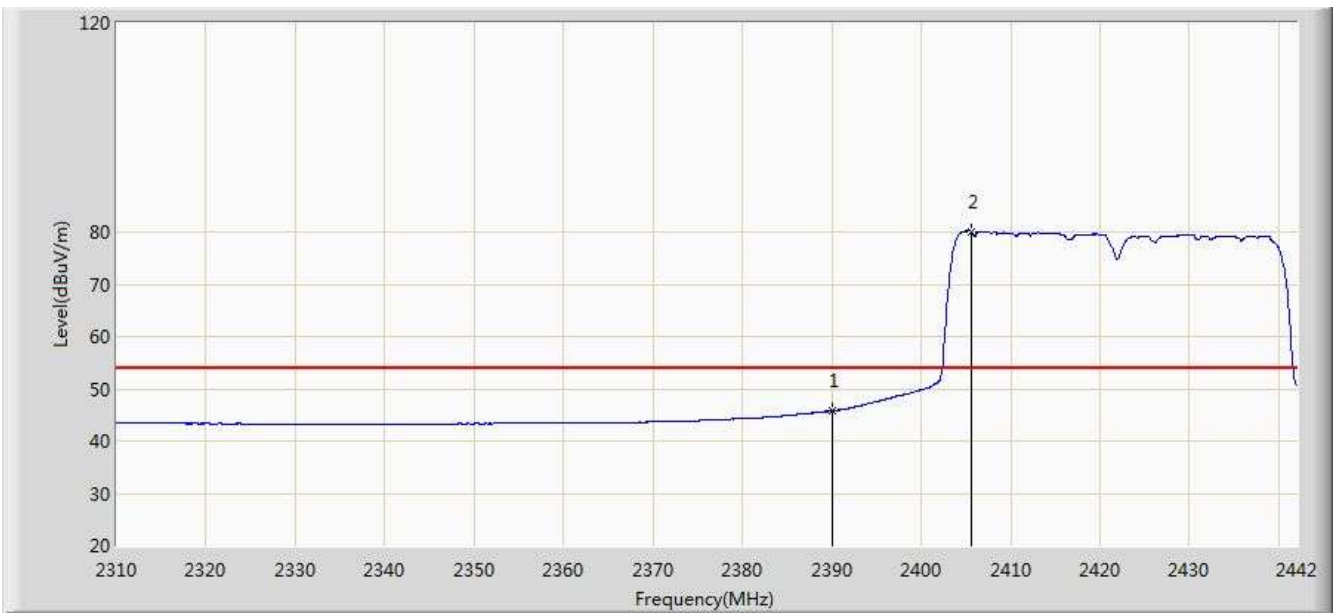


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2387.880	63.159	32.470	-10.841	74.000	30.688	PK
2			2390.000	62.074	31.390	-11.926	74.000	30.684	PK
3		*	2408.538	92.042	61.392	N/A	N/A	30.650	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 1	

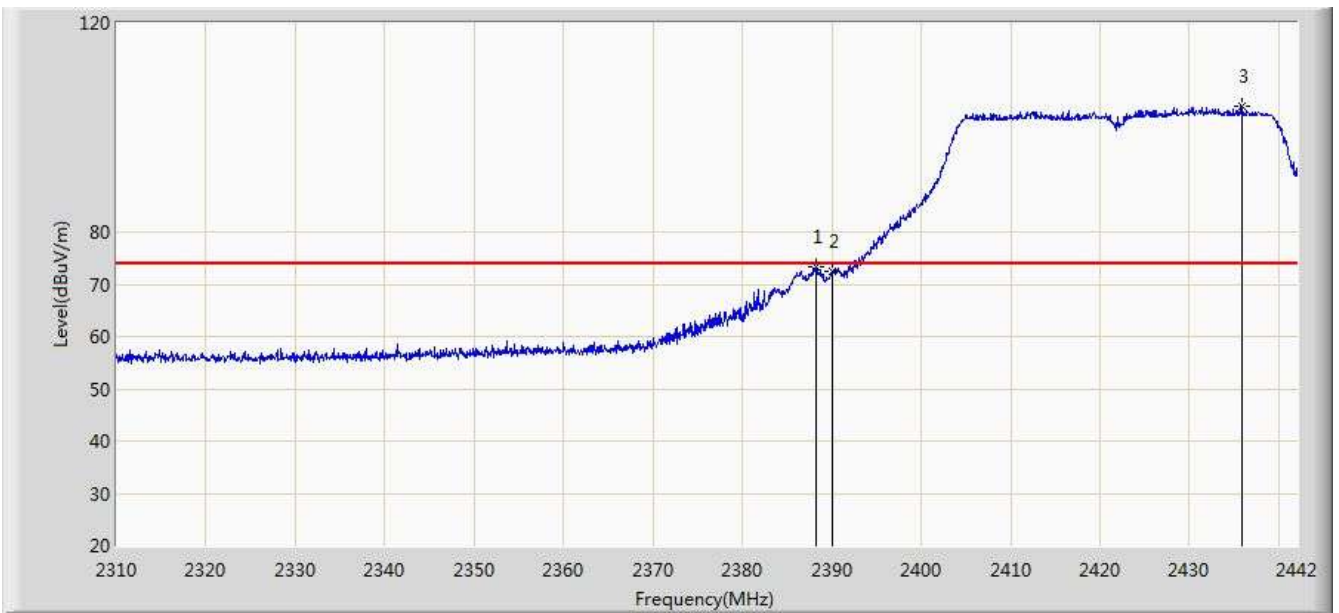


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	45.772	15.088	-8.228	54.000	30.684	AV
2		*	2405.568	80.116	49.461	N/A	N/A	30.656	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 1	

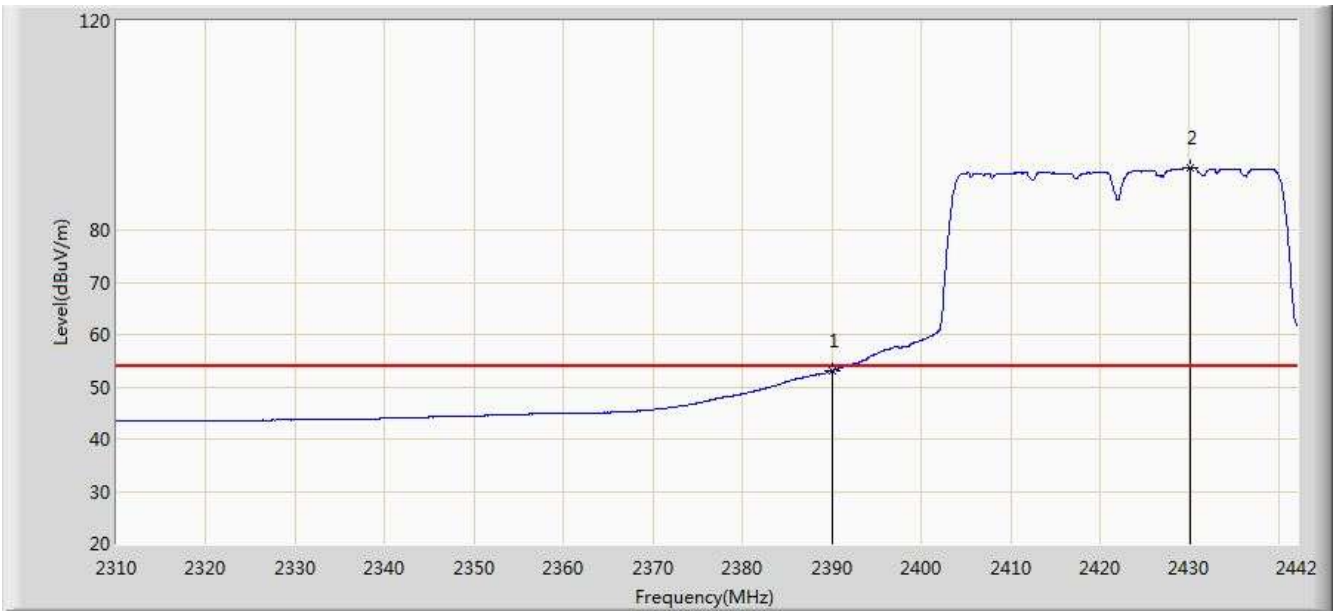


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.276	73.256	42.568	-0.744	74.000	30.687	PK
2			2390.000	72.473	41.789	-1.527	74.000	30.684	PK
3		*	2435.928	104.038	73.432	N/A	N/A	30.606	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.042	22.358	-0.958	54.000	30.684	AV
2		*	2430.054	91.758	61.142	N/A	N/A	30.616	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 1	

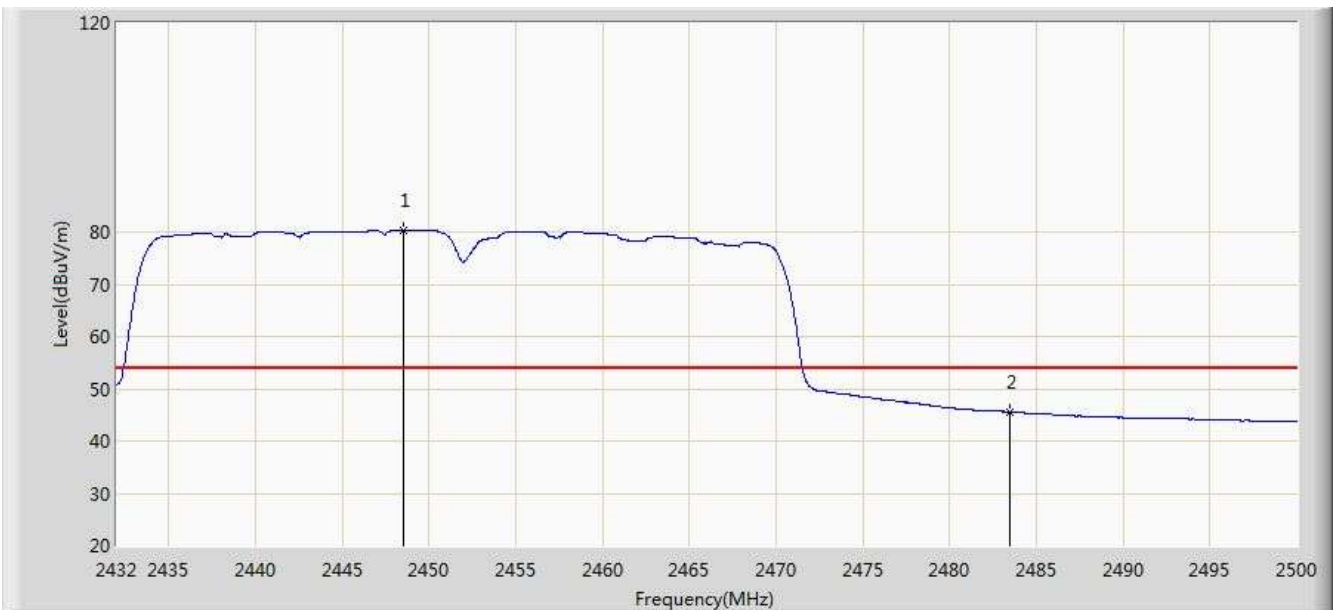


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2446.858	92.569	61.980	N/A	N/A	30.589	PK
2			2483.500	61.240	30.567	-12.760	74.000	30.673	PK
3			2485.074	62.917	32.240	-11.083	74.000	30.677	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 1	

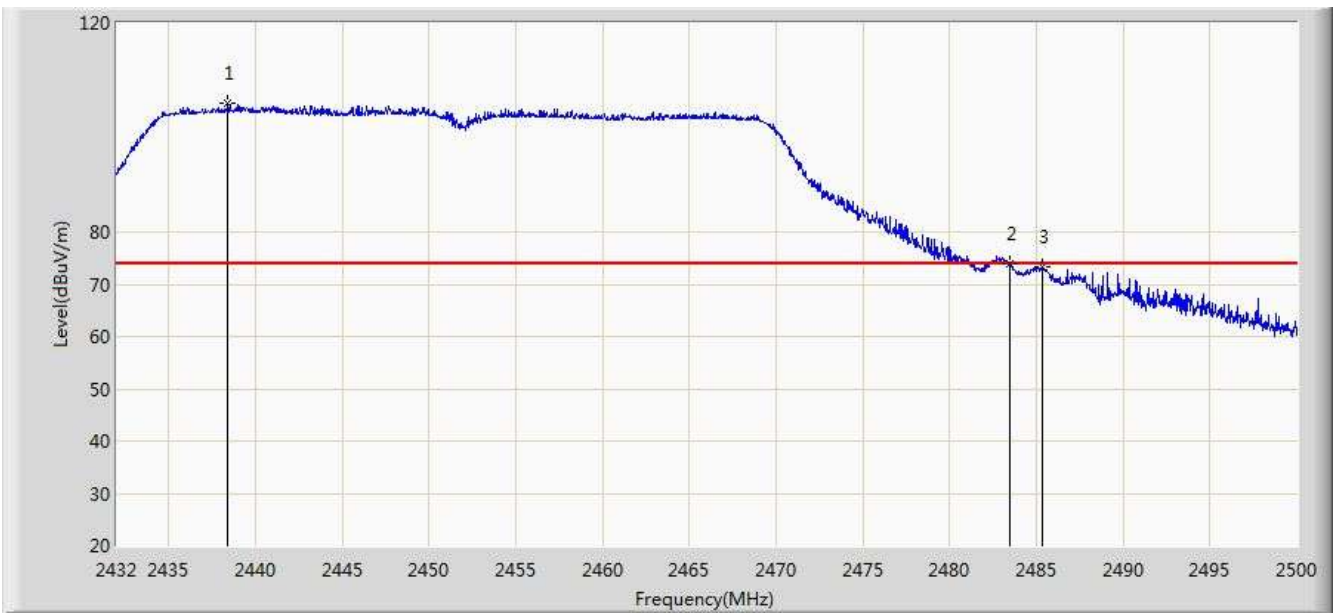


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2448.558	80.347	49.756	N/A	N/A	30.591	AV
2			2483.500	45.581	14.908	-8.419	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2438.426	104.656	74.055	N/A	N/A	30.602	PK
2			2483.500	73.793	43.120	-0.207	74.000	30.673	PK
3			2485.312	73.192	42.514	-0.808	74.000	30.678	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 1	

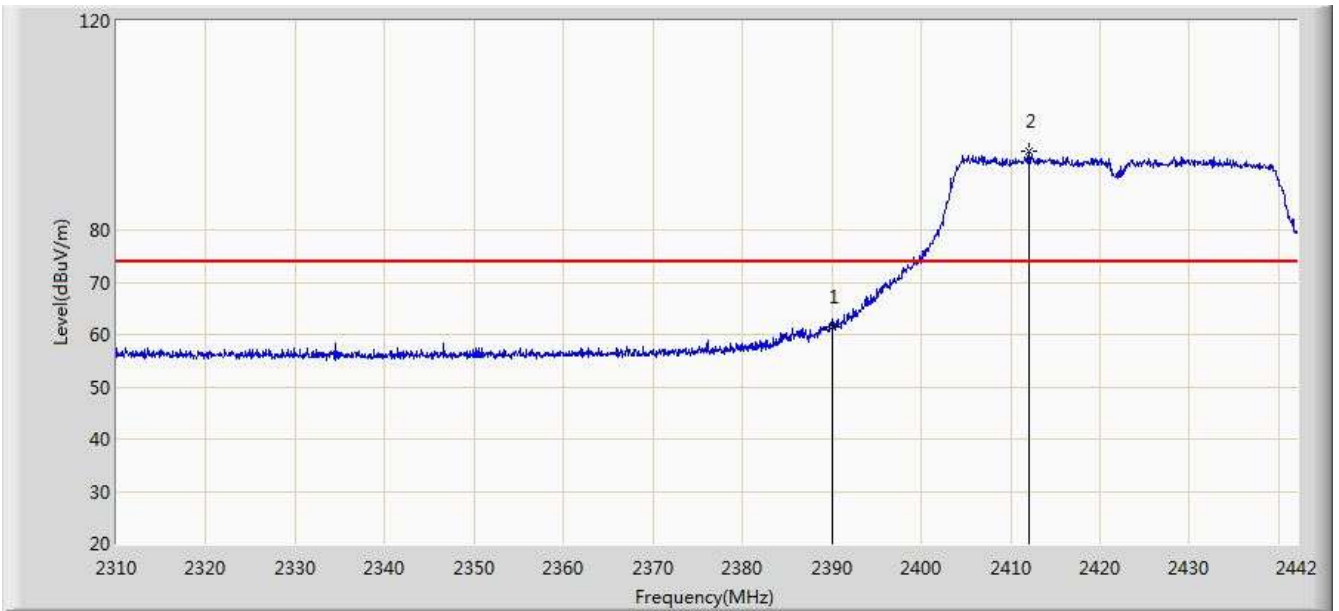


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2439.480	92.221	61.621	N/A	N/A	30.599	AV
2			2483.500	53.285	22.612	-0.715	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0+1	

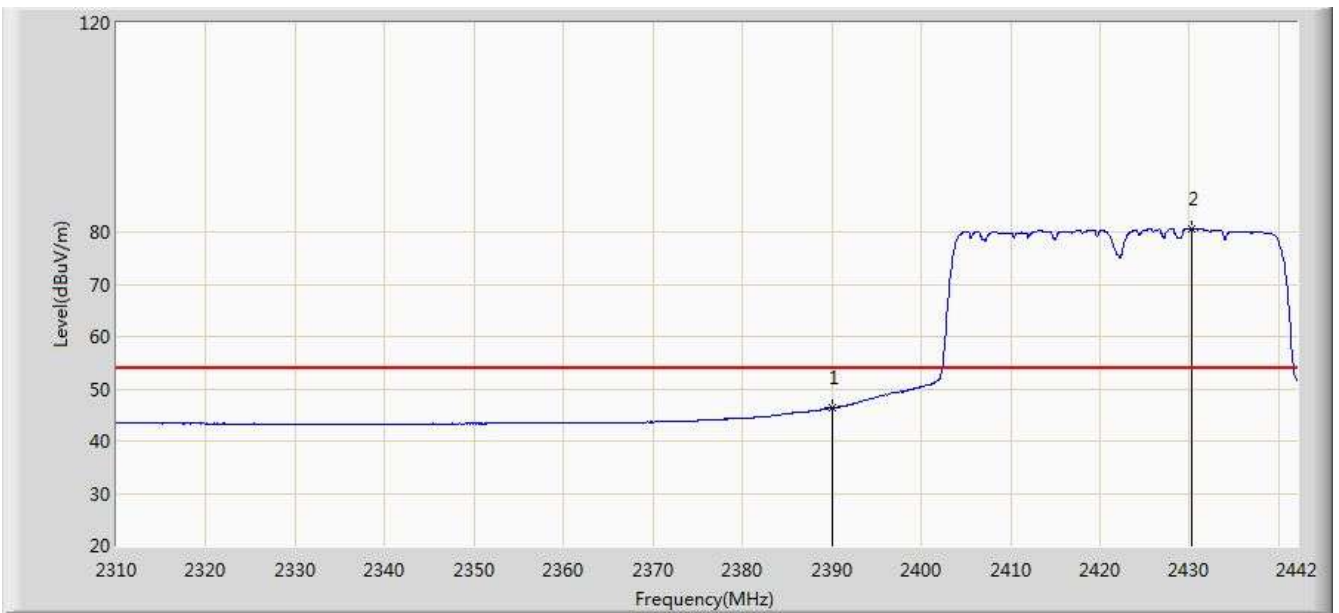


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	61.516	30.832	-12.484	74.000	30.684	PK
2		*	2412.102	95.180	64.535	N/A	N/A	30.645	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 14:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0+1	

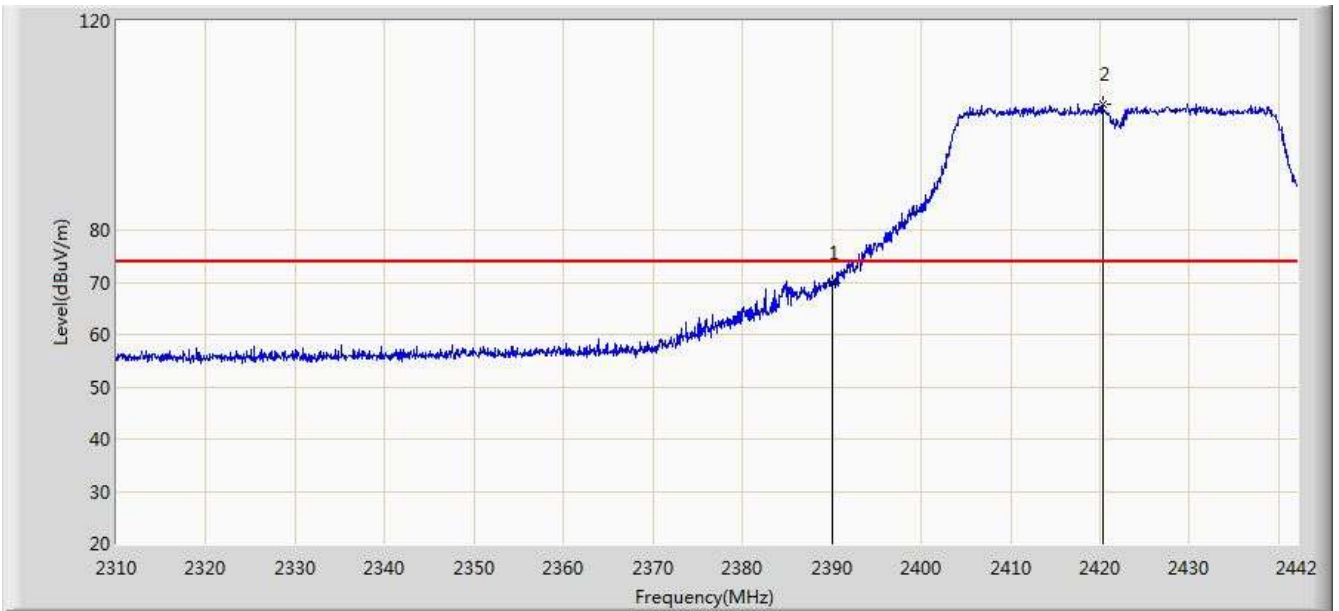


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	46.309	15.625	-7.691	54.000	30.684	AV
2		*	2430.318	80.723	50.107	N/A	N/A	30.615	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	69.965	39.281	-4.035	74.000	30.684	PK
2		*	2420.286	104.020	73.388	N/A	N/A	30.632	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2422MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.508	22.824	-0.492	54.000	30.684	AV
2		*	2425.698	90.362	59.738	N/A	N/A	30.623	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2444.682	93.526	62.936	N/A	N/A	30.590	PK
2			2483.500	58.850	28.177	-15.150	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0+1	

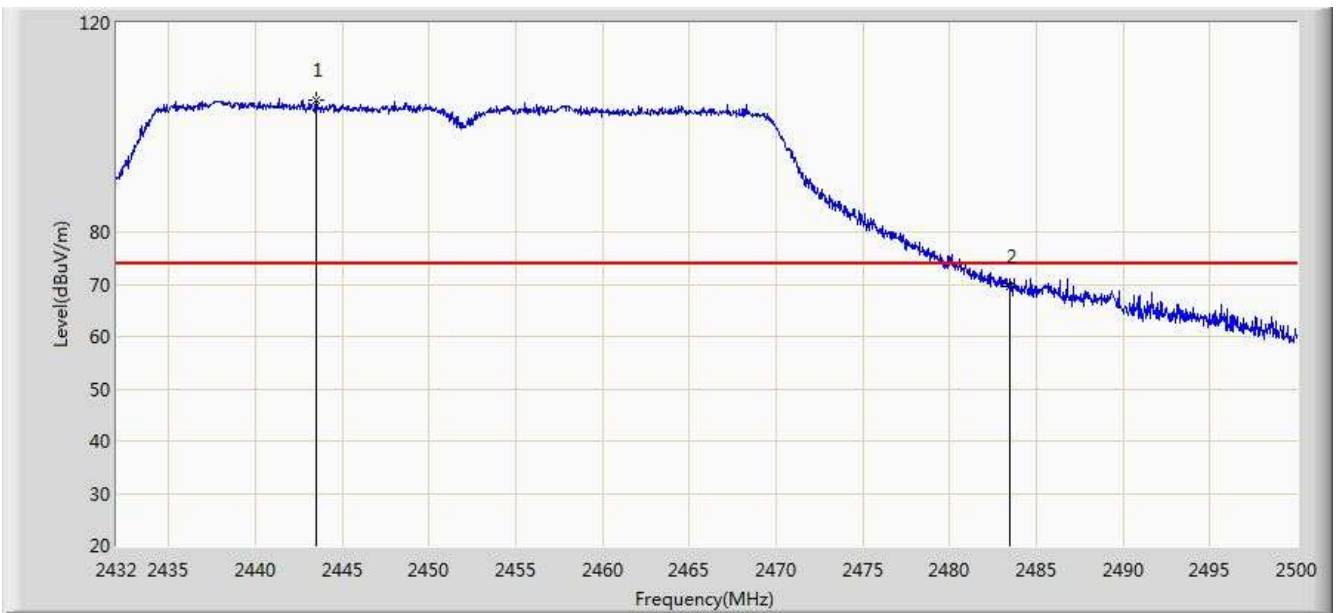


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2438.528	79.643	49.042	N/A	N/A	30.601	AV
2			2483.500	45.042	14.369	-8.958	54.000	30.673	AV

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2443.526	105.269	74.677	N/A	N/A	30.592	PK
2			2483.500	69.679	39.006	-4.321	74.000	30.673	PK

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

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

Engineer: Milo Li	
Site: AC1	Time: 2014/02/08 - 15:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Mode : 802.11n-HT40 Channel 2452MHz Chain 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2436.624	91.626	61.021	N/A	N/A	30.605	AV
2			2483.500	53.435	22.762	-0.565	54.000	30.673	AV

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

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

7.7. AC Conducted Emissions Measurement

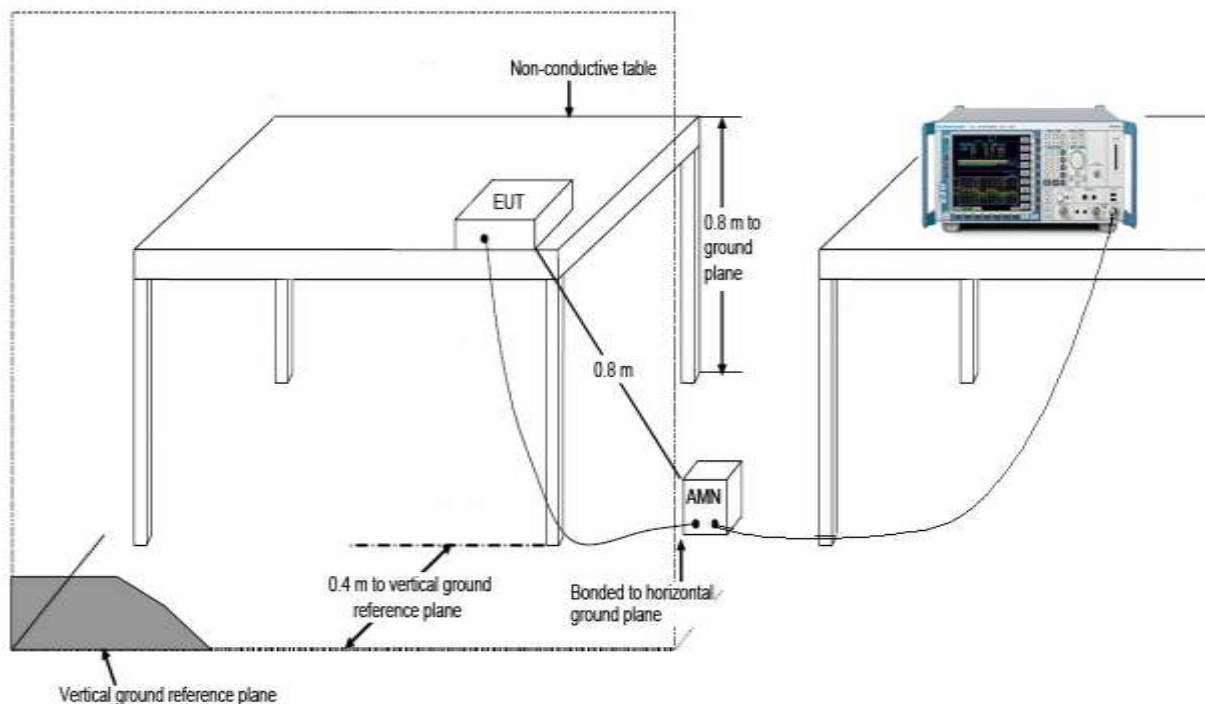
7.7.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

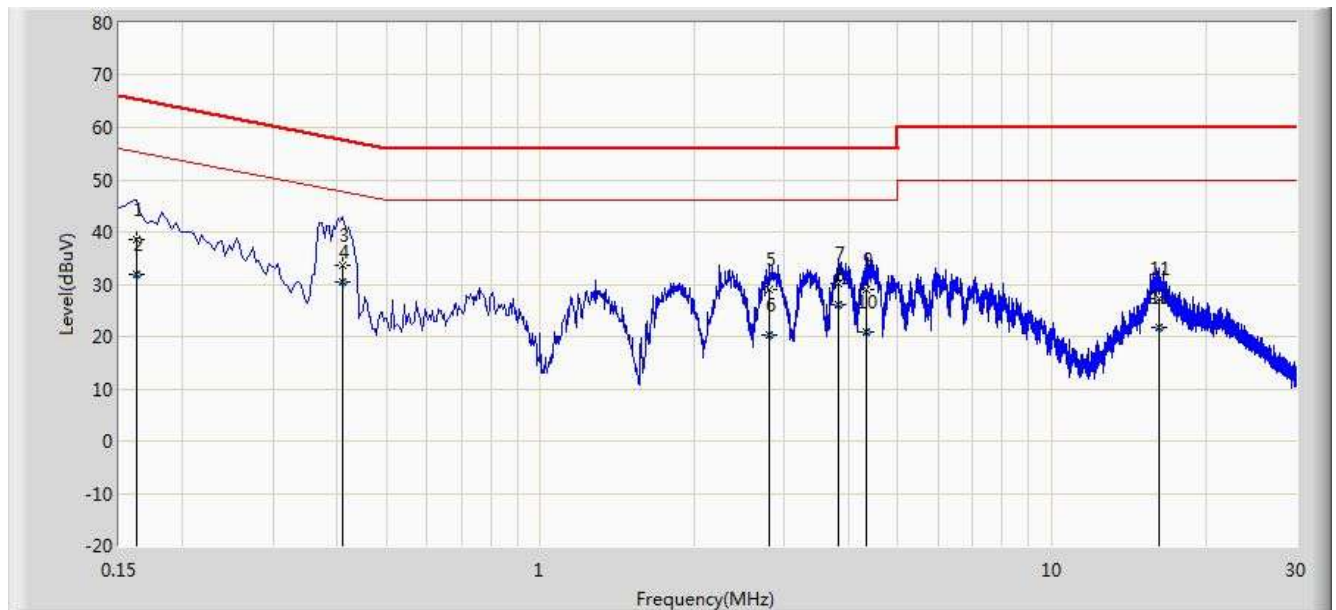
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.7.2. Test Setup



7.7.3. Test Result

Engineer: Roy Cheng	
Site: SR2	Time: 2014/02/17 - 09:24
Limit: FCC_Part15.207	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Normal Operation	

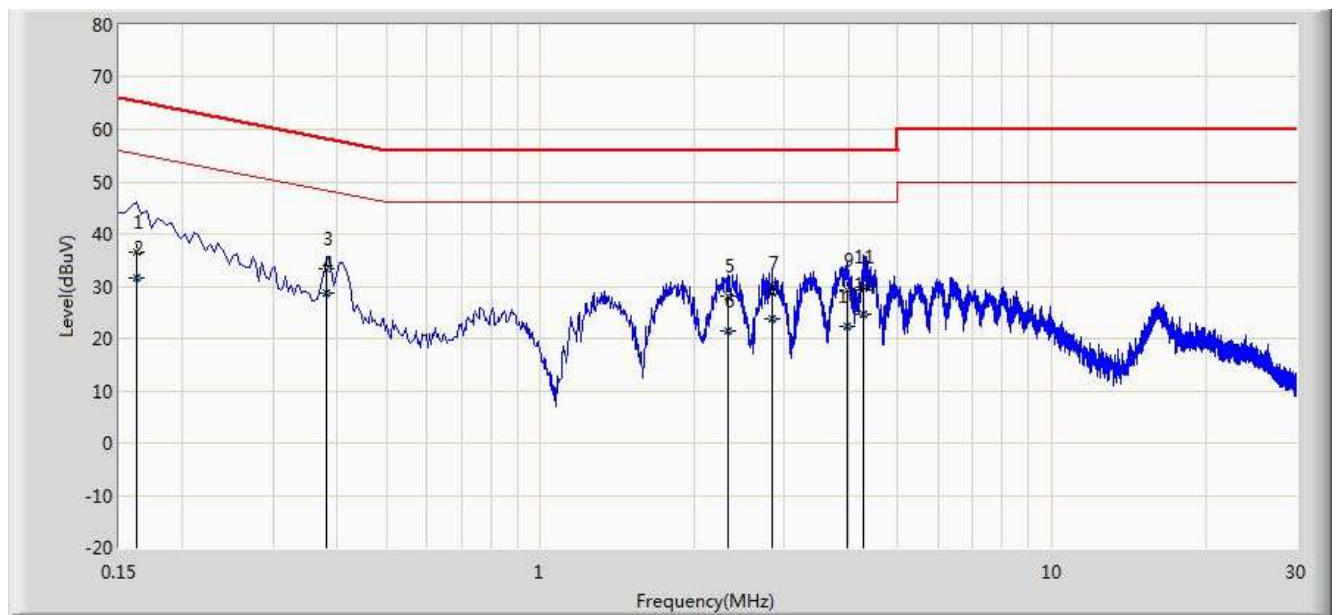


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor	Type
1			0.162	38.524	28.427	-26.837	65.361	10.097	QP
2			0.162	31.963	21.866	-23.398	55.361	10.097	AV
3			0.410	33.689	23.596	-23.959	57.648	10.093	QP
4		*	0.410	30.330	20.237	-17.318	47.648	10.093	AV
5			2.806	28.934	19.086	-27.066	56.000	9.848	QP
6			2.806	20.290	10.442	-25.710	46.000	9.848	AV
7			3.822	30.149	20.191	-25.851	56.000	9.958	QP
8			3.822	26.118	16.160	-19.882	46.000	9.958	AV
9			4.334	28.853	18.873	-27.147	56.000	9.980	QP
10			4.334	20.909	10.929	-25.091	46.000	9.980	AV
11			16.170	27.296	17.221	-32.704	60.000	10.075	QP
12			16.170	21.689	11.614	-28.311	50.000	10.075	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Engineer: Roy Cheng	
Site: SR2	Time: 2014/02/17 - 09:29
Limit: FCC_Part15.207	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER	Power: AC 120V/60Hz
Note: Normal Operation	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor	Type
1			0.162	36.580	26.502	-28.781	65.361	10.078	QP
2			0.162	31.562	21.484	-23.798	55.361	10.078	AV
3			0.382	33.380	23.281	-24.856	58.236	10.099	QP
4		*	0.382	28.808	18.709	-19.428	48.236	10.099	AV
5			2.334	28.048	18.183	-27.952	56.000	9.866	QP
6			2.334	21.329	11.463	-24.671	46.000	9.866	AV
7			2.838	28.551	18.700	-27.449	56.000	9.851	QP
8			2.838	23.702	13.851	-22.298	46.000	9.851	AV
9			3.986	29.250	19.279	-26.750	56.000	9.970	QP
10			3.986	22.416	12.445	-23.584	46.000	9.970	AV
11			4.290	29.786	19.799	-26.214	56.000	9.986	QP
12			4.290	24.603	14.616	-21.397	46.000	9.986	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WIRELESS-BGN 2X2 NETWORK MINI PCIE ADAPTER FCC ID: CFS8DLWLE200N2** is in compliance with FCC 15Cof the FCC Rules.

The End