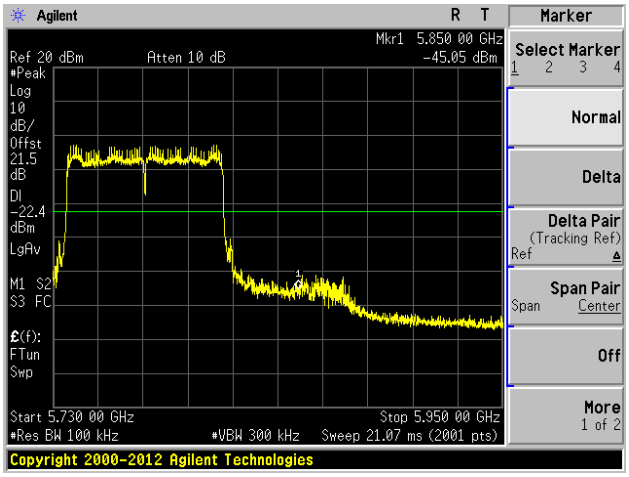
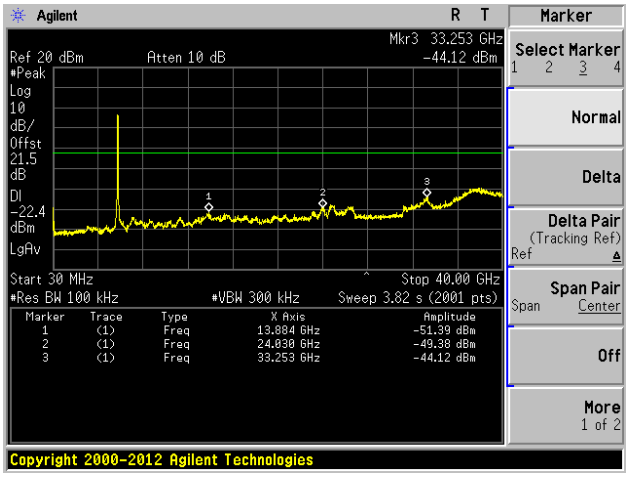
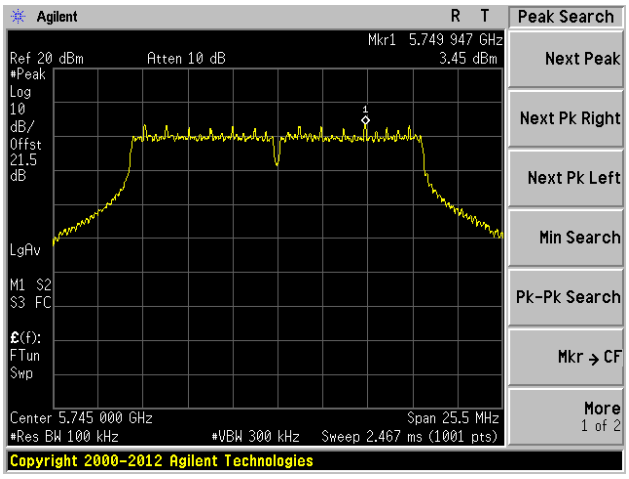
High Band Edge	Spurious Emission 30MHz ~ 40GHz
	

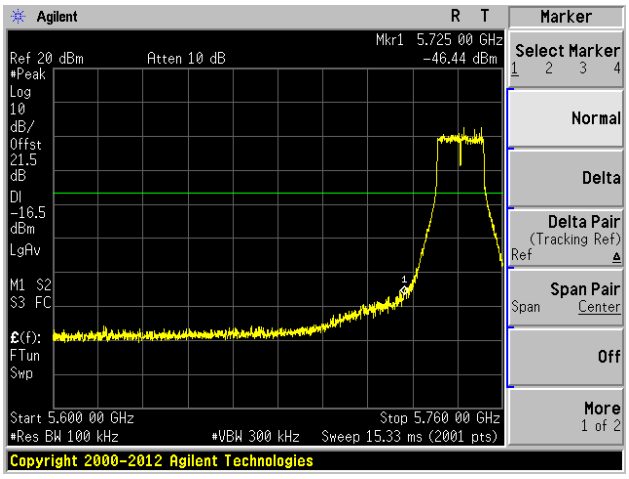
802.11a Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 149 (5745MHz)

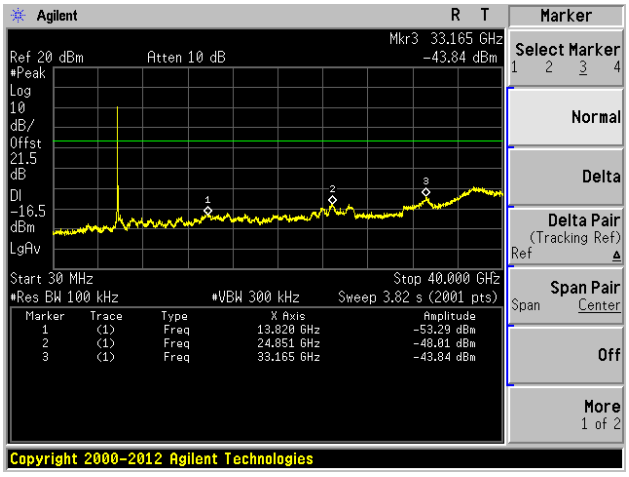
100kHz PSD Reference Level



Low Band Edge

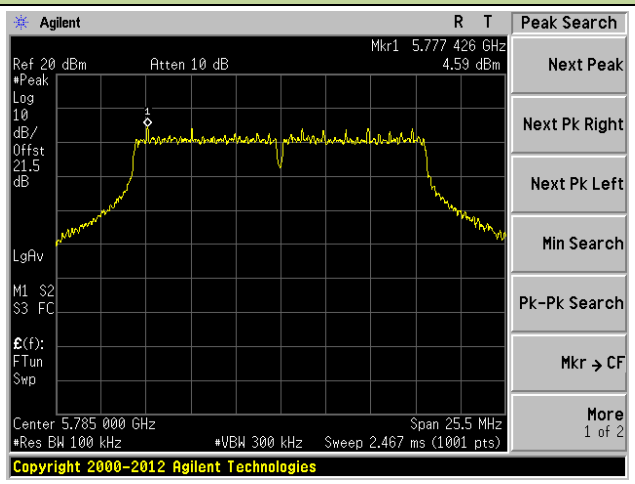


Spurious Emission 30MHz ~ 40GHz

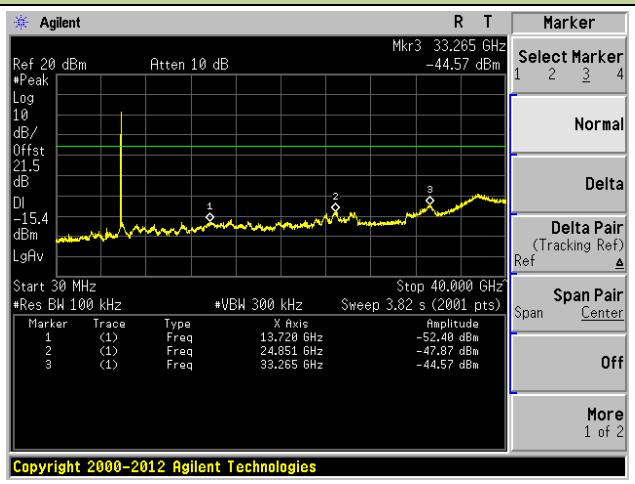


Channel 157 (5785MHz)

100kHz PSD Reference Level

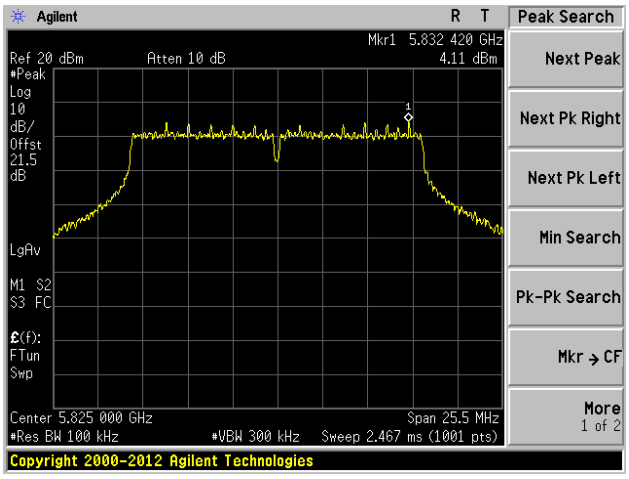


Spurious Emission 30MHz ~ 40GHz

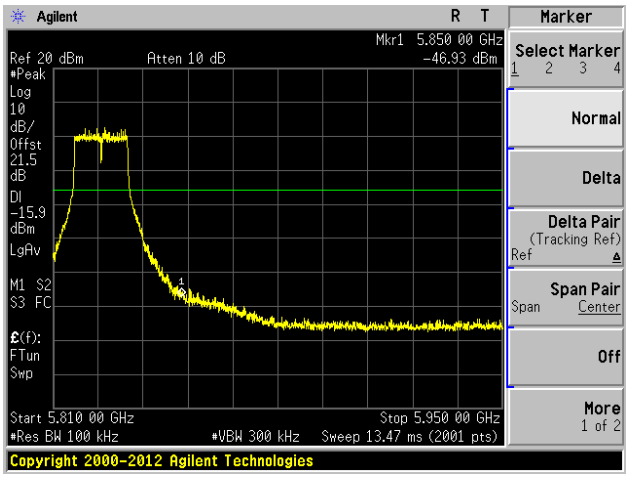


Channel 165 (5825MHz)

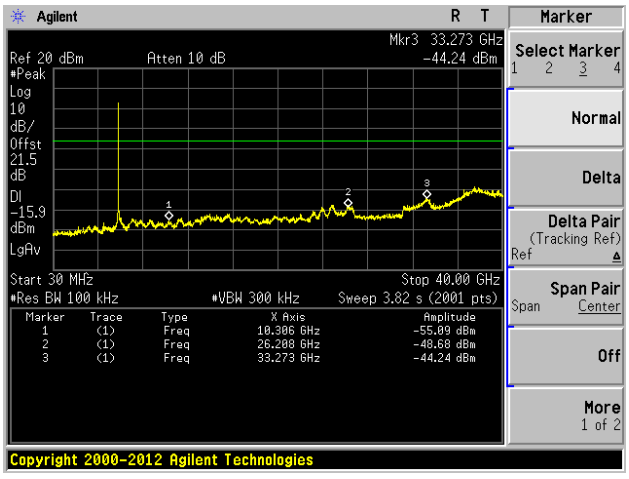
100kHz PSD Reference Level



High Band Edge



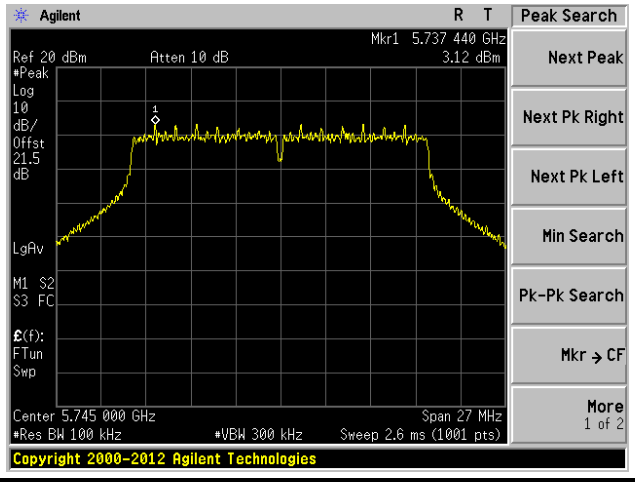
Spurious Emission 30MHz ~ 40GHz



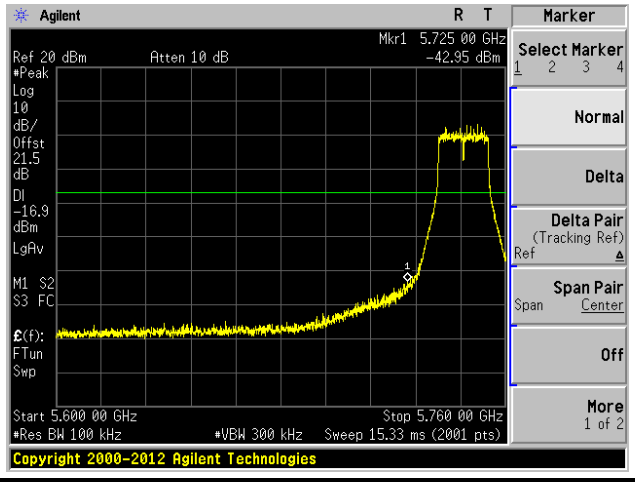
802.11n-HT20 Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 149 (5745MHz)

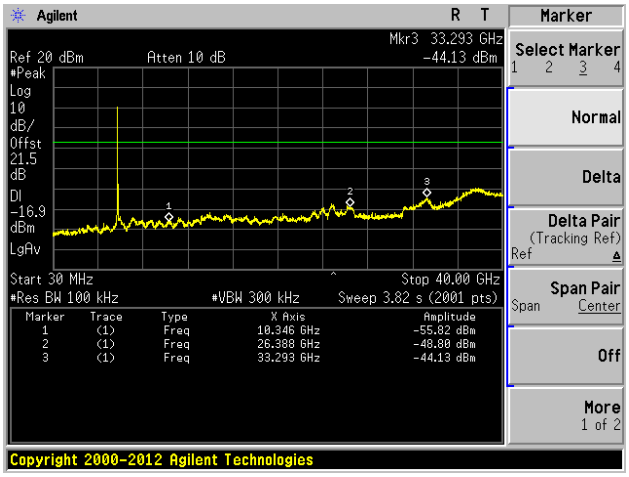
100kHz PSD Reference Level



Low Band Edge

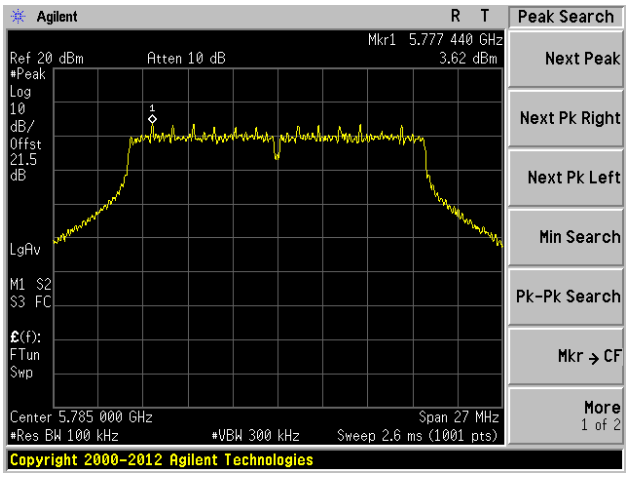


Spurious Emission 30MHz ~ 40GHz

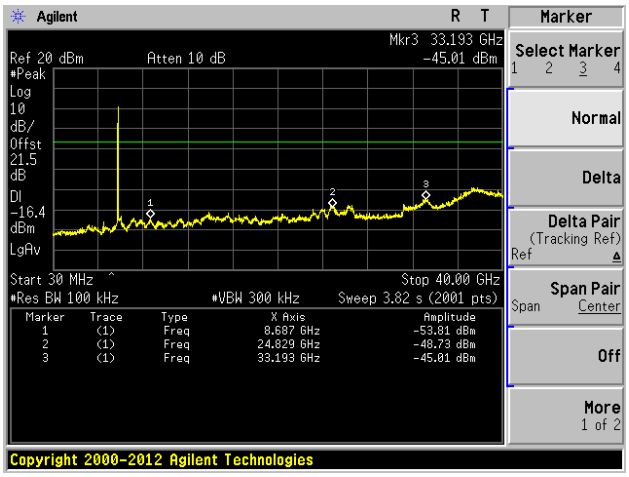


Channel 157 (5785MHz)

100kHz PSD Reference Level

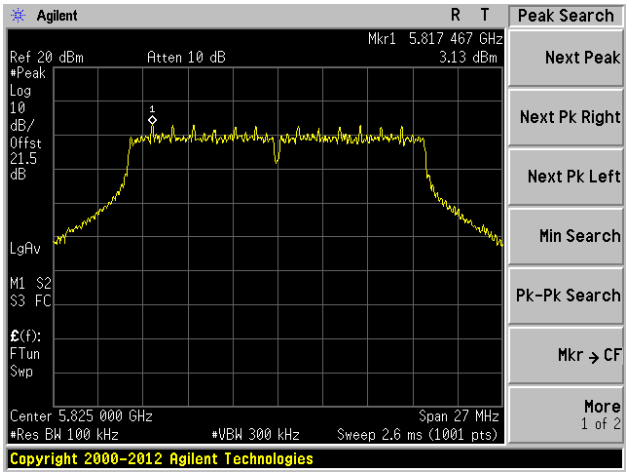


Spurious Emission 30MHz ~ 40GHz

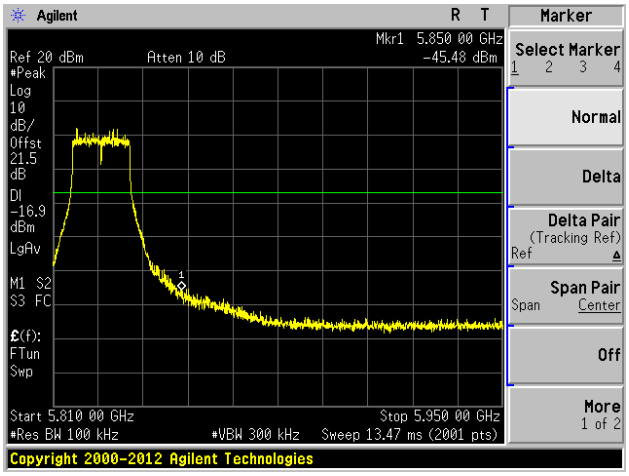


Channel 165 (5825MHz)

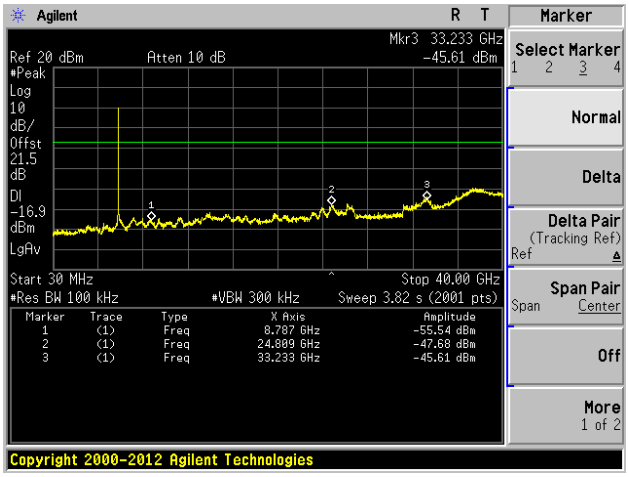
100kHz PSD Reference Level



High Band Edge



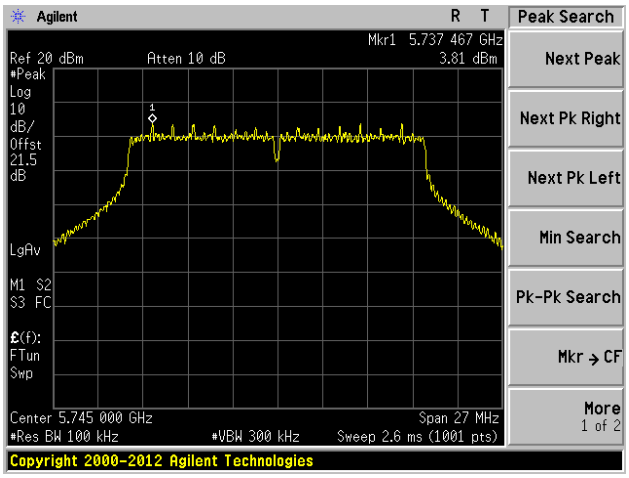
Spurious Emission 30MHz ~ 40GHz



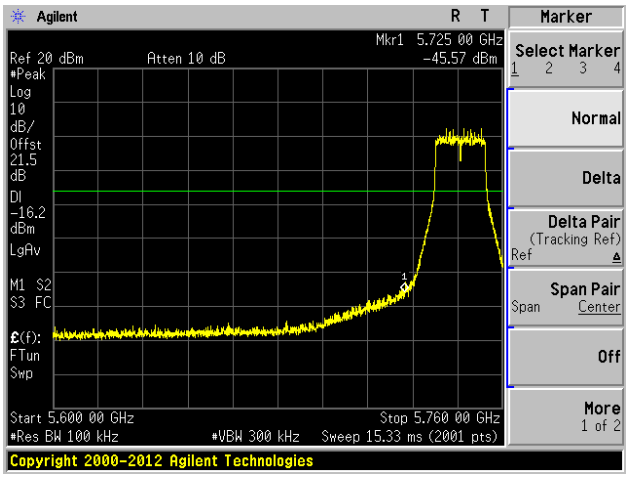
802.11ac-VHT20 Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 149 (5745MHz)

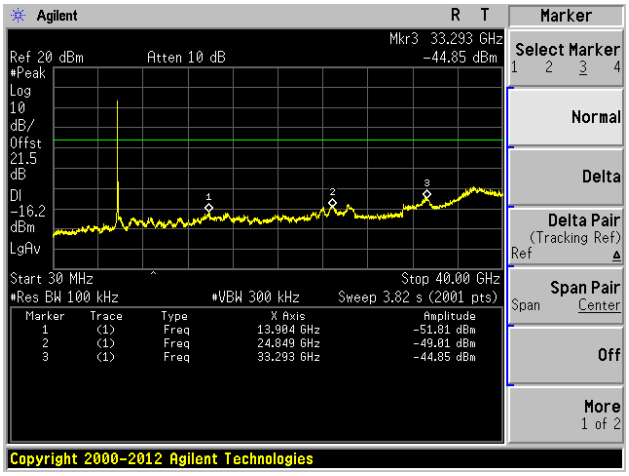
100kHz PSD Reference Level



Low Band Edge

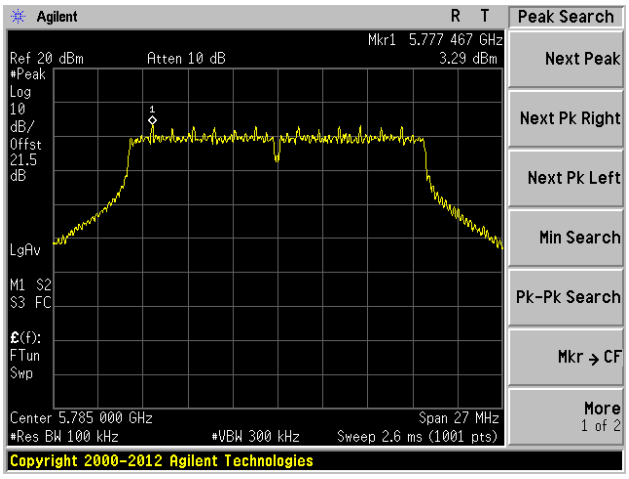


Spurious Emission 30MHz ~ 40GHz

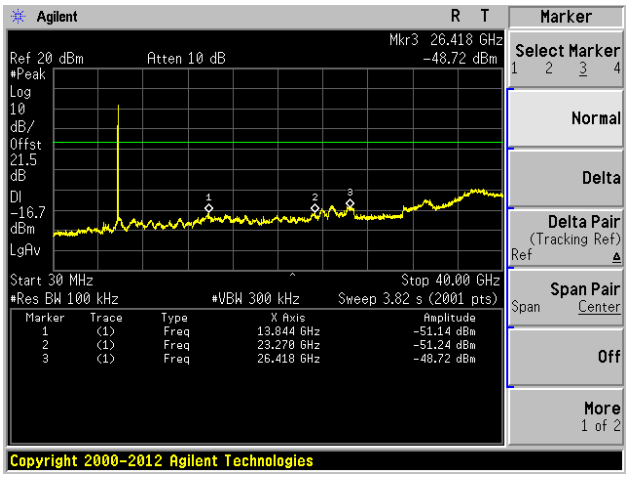


Channel 157 (5785MHz)

100kHz PSD Reference Level

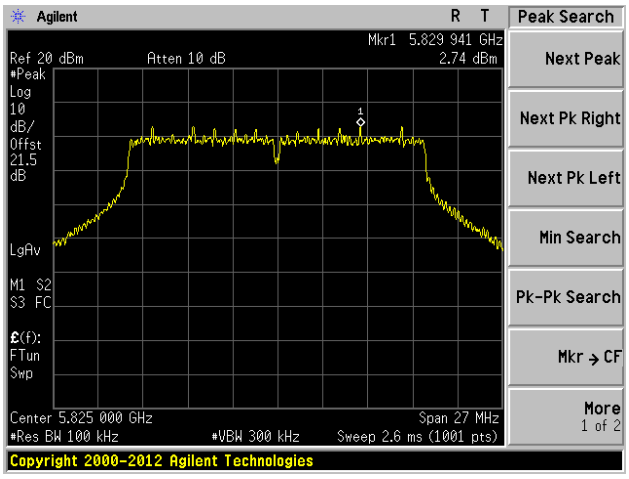


Spurious Emission 30MHz ~ 40GHz

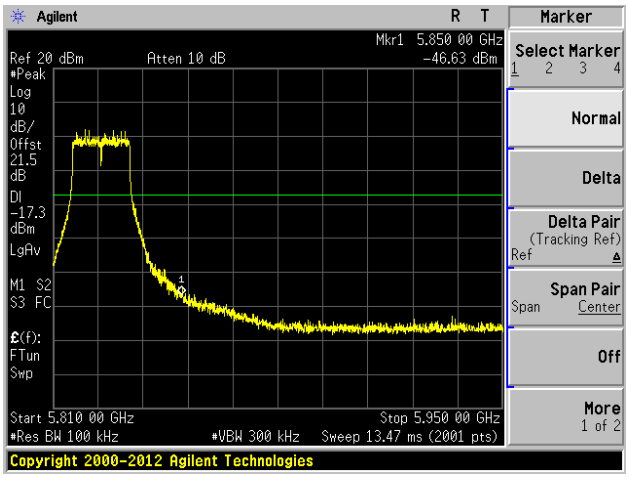


Channel 165 (5825MHz)

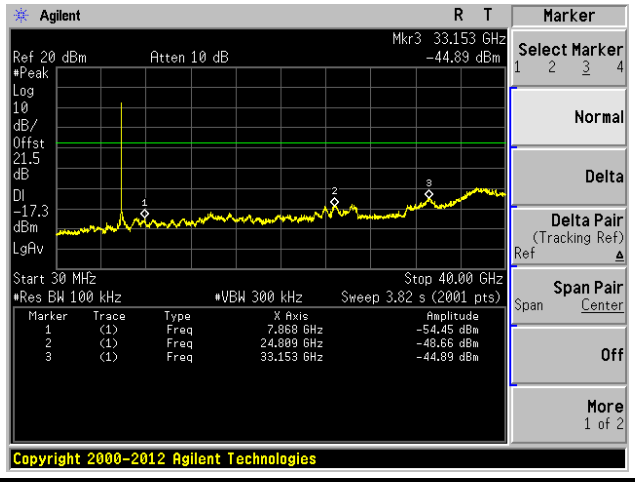
100kHz PSD Reference Level



High Band Edge



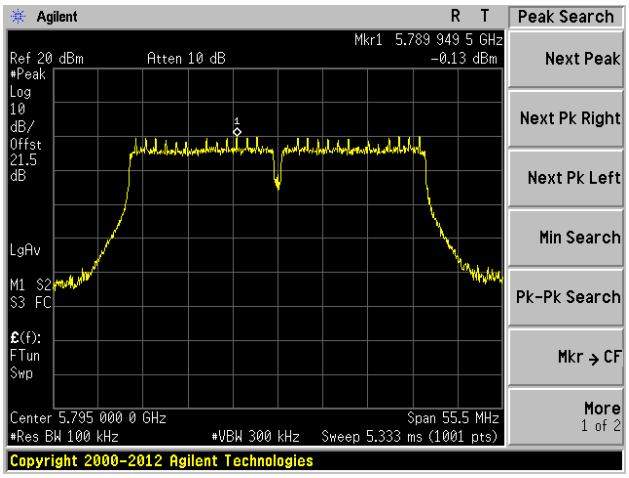
Spurious Emission 30MHz ~ 40GHz



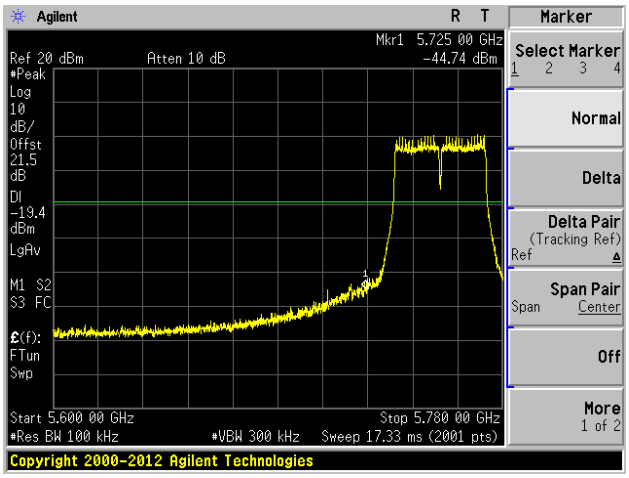
802.11n-HT40 Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

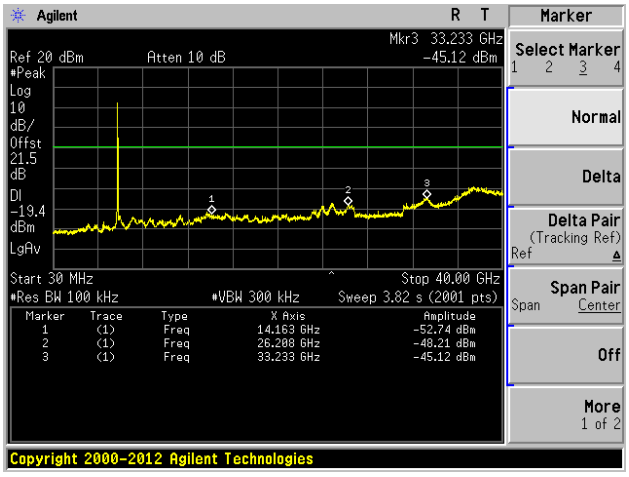
100kHz PSD Reference Level



Low Band Edge

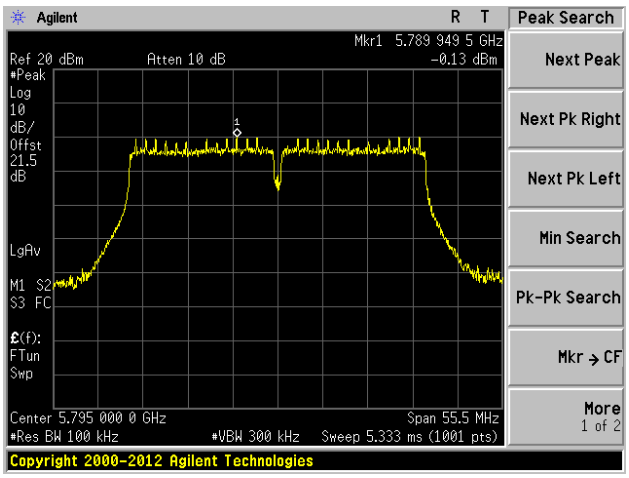


Spurious Emission 30MHz ~ 40GHz

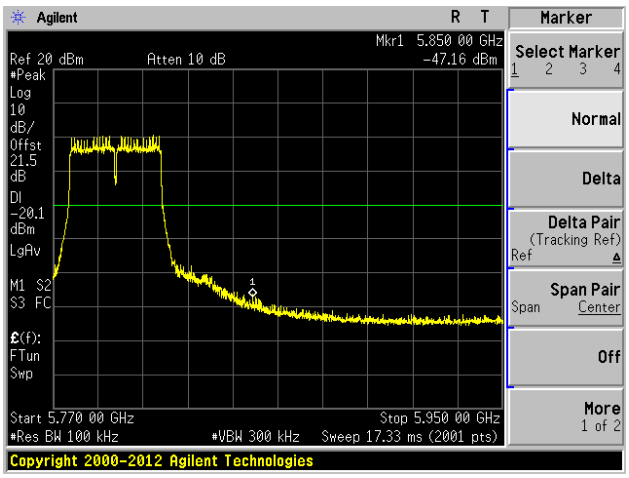


Channel 159 (5795MHz)

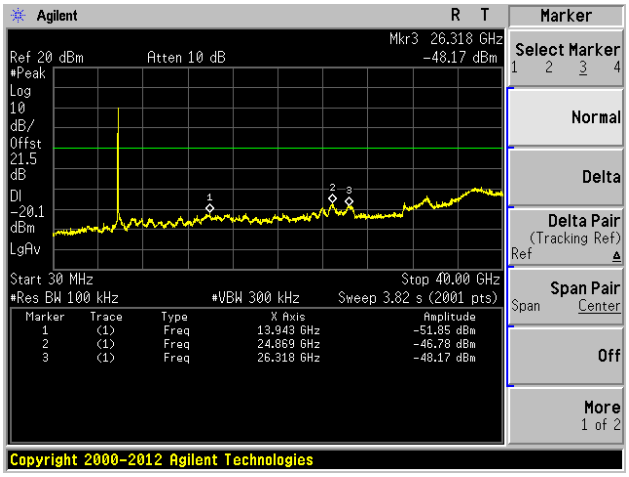
100kHz PSD Reference Level



High Band Edge



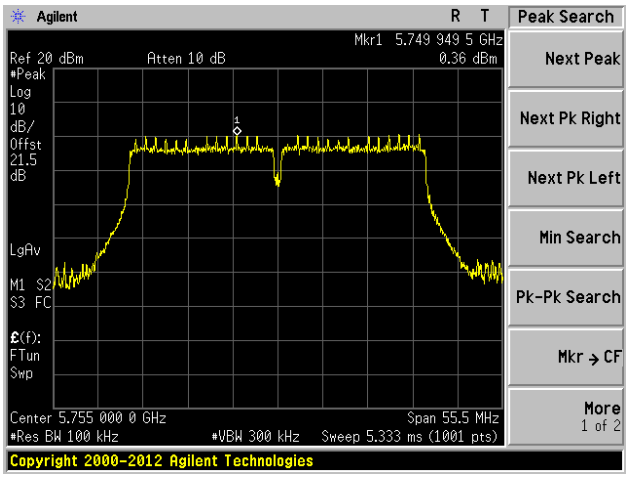
Spurious Emission 30MHz ~ 40GHz



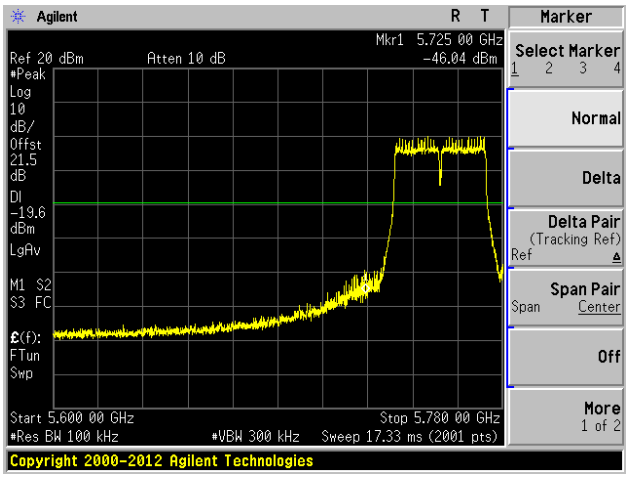
802.11ac-VHT40 Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

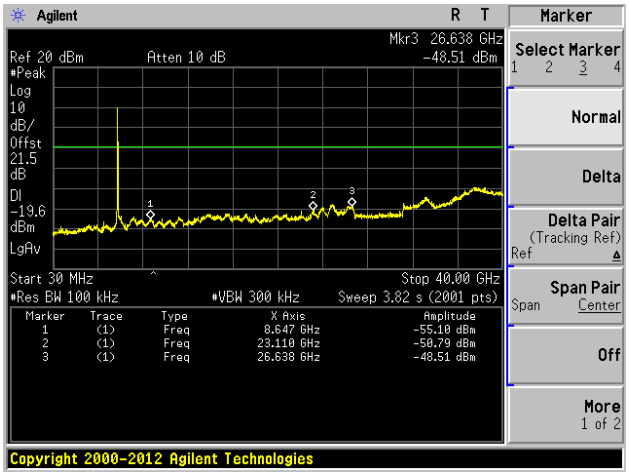
100kHz PSD Reference Level



Low Band Edge

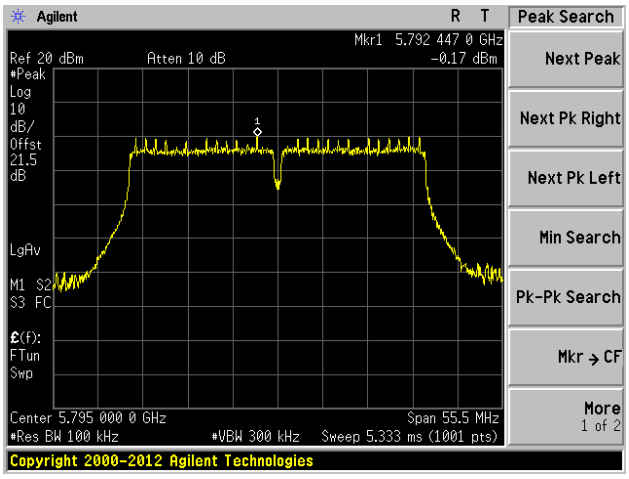


Spurious Emission 30MHz ~ 40GHz

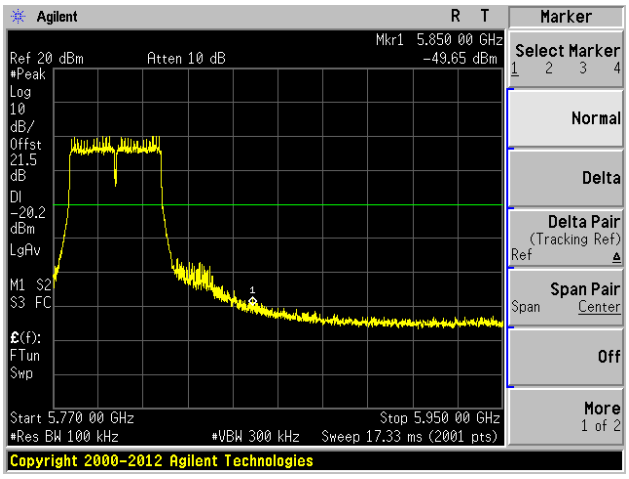


Channel 159 (5795MHz)

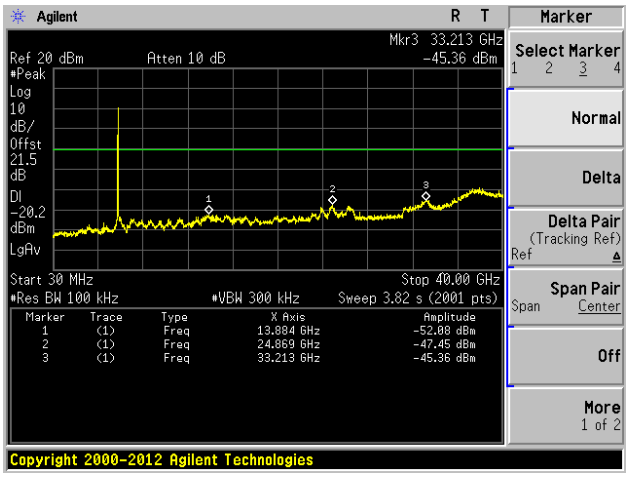
100kHz PSD Reference Level



High Band Edge



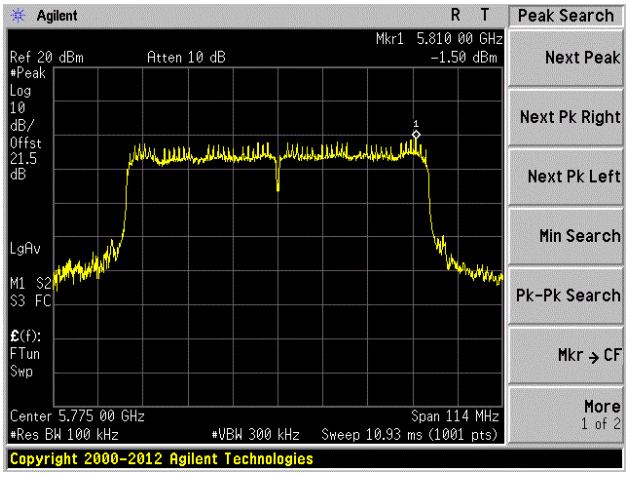
Spurious Emission 30MHz ~ 40GHz



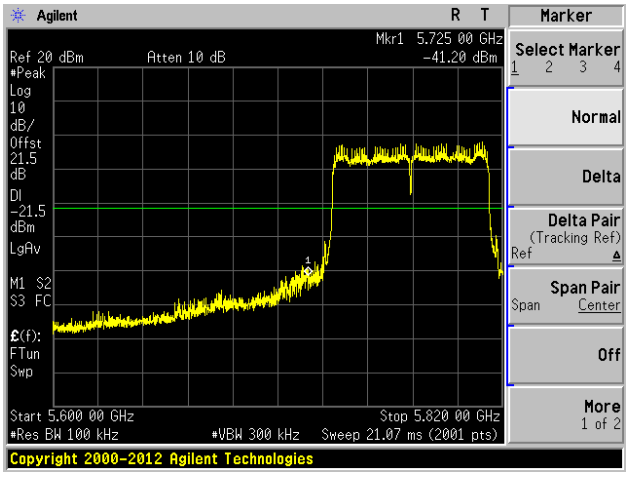
802.11ac-VHT80 Out-of-Band Emissions - Ant 3 / Ant 0 + 1 + 2 + 3

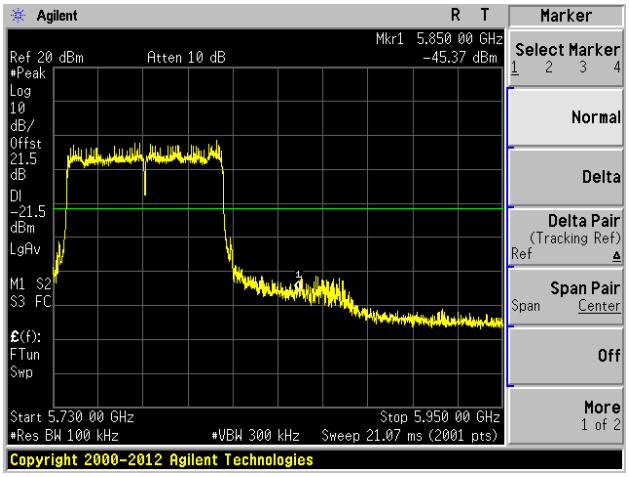
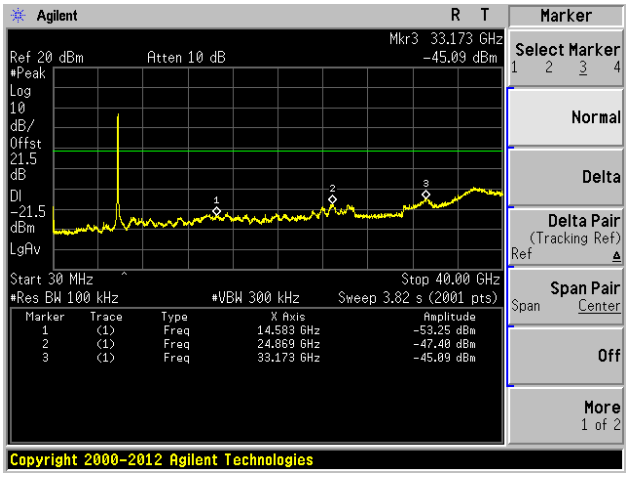
Channel 155 (5775MHz)

100kHz PSD Reference Level



Low Band Edge



High Band Edge	Spurious Emission 30MHz ~ 40GHz
	

7.6. Radiated Spurious Emission Measurement *§15.205; 15.209; RSS-210 [A8.5]*

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 = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

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

Table 1—RBW as a function of frequency

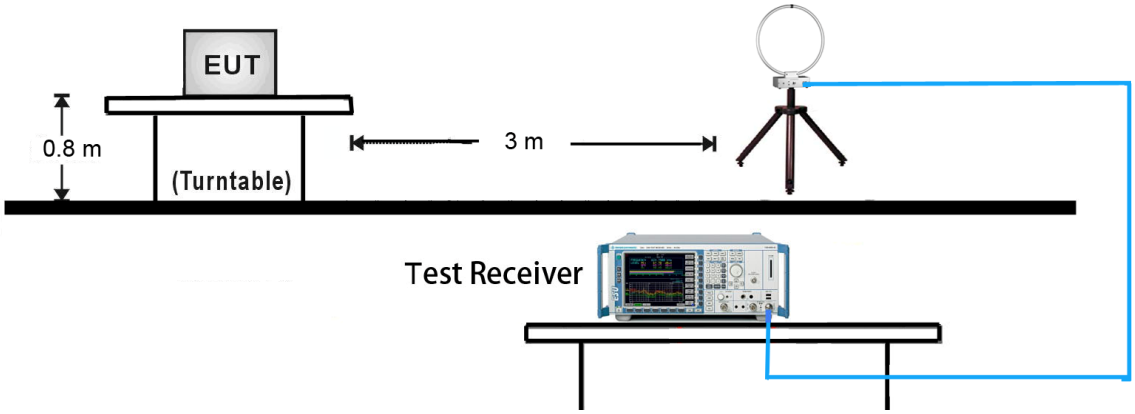
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r01

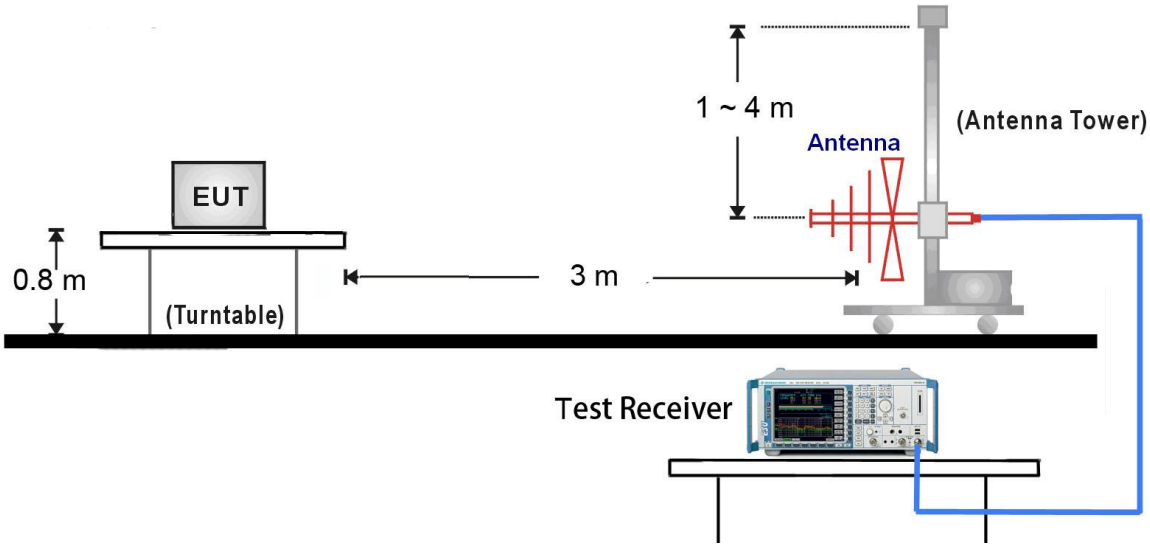
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

7.6.4. Test Setup

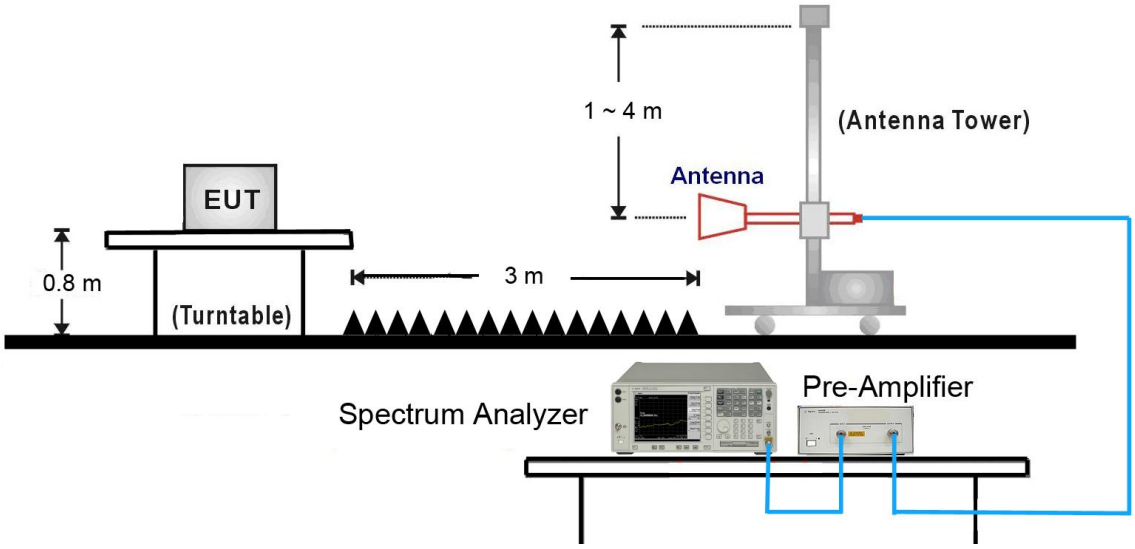
9kHz ~ 30MHz Test Setup:



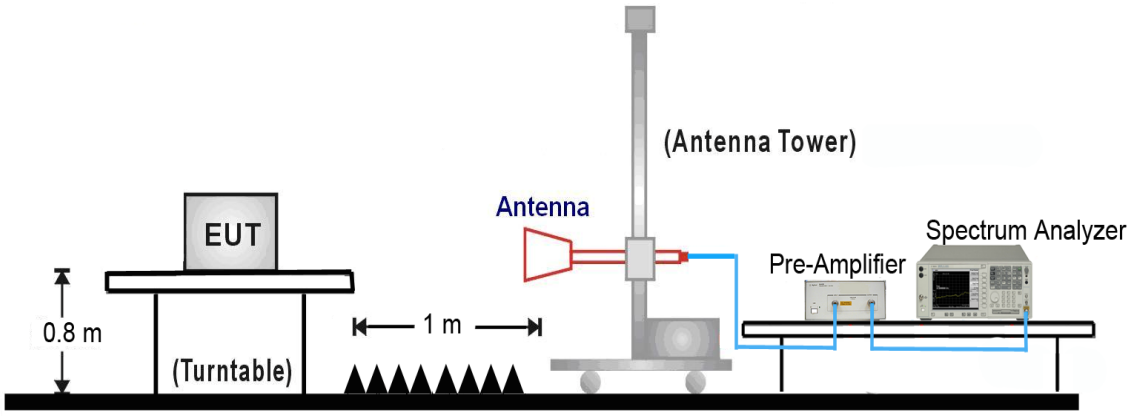
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.6.5. Test Result

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3125.4	36.9	3.6	40.5	91.7	-51.2	Peak	Horizontal
*	3436.3	36.6	3.5	40.1	91.7	-51.6	Peak	Horizontal
	4824.0	36.3	6.4	42.7	74.0	-31.3	Peak	Horizontal
	7256.3	36.4	13.9	50.3	74.0	-23.7	Peak	Horizontal
*	3153.7	36.7	3.6	40.3	91.7	-51.4	Peak	Vertical
*	3596.6	36.1	4.0	40.1	91.7	-51.6	Peak	Vertical
	4824.0	36.3	6.4	42.7	74.0	-31.3	Peak	Vertical
	7253.6	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 (111.7dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3054.2	36.5	3.5	40.0	92.4	-52.4	Peak	Horizontal
*	3526.6	36.7	4.0	40.7	92.4	-51.7	Peak	Horizontal
	4874.0	36.0	6.6	42.6	74.0	-31.4	Peak	Horizontal
	7311.0	35.6	14.0	49.6	74.0	-24.4	Peak	Horizontal
*	3025.4	36.4	3.4	39.8	92.4	-52.6	Peak	Vertical
*	3572.7	36.8	4.0	40.8	92.4	-51.6	Peak	Vertical
	4874.0	36.2	6.6	42.8	74.0	-31.2	Peak	Vertical
	7311.0	35.8	14.0	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.4dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3072.7	36.6	3.5	40.1	92.0	-51.9	Peak	Horizontal
*	3519.3	36.1	3.9	40.0	92.0	-52.0	Peak	Horizontal
	4924.0	36.5	6.7	43.2	74.0	-30.8	Peak	Horizontal
	7386.0	35.3	14.1	49.4	74.0	-24.6	Peak	Horizontal
*	3062.4	36.6	3.5	40.1	92.0	-51.9	Peak	Vertical
*	3565.5	36.0	4.1	40.1	92.0	-51.9	Peak	Vertical
	4924.0	37.1	6.7	43.8	74.0	-30.2	Peak	Vertical
	7311.0	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 (112.0dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3072.7	36.2	3.5	39.7	92.5	-52.8	Peak	Horizontal
*	3502.7	36.5	3.9	40.4	92.5	-52.1	Peak	Horizontal
	4824.0	35.9	6.4	42.3	74.0	-31.7	Peak	Horizontal
	7263.5	35.9	13.9	49.8	74.0	-24.2	Peak	Horizontal
*	3065.0	36.1	3.5	39.6	92.5	-52.9	Peak	Vertical
*	3506.7	36.3	3.9	40.2	92.5	-52.3	Peak	Vertical
	4824.0	35.7	6.4	42.1	74.0	-31.9	Peak	Vertical
	7263.4	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 (112.5dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3045.0	37.4	3.4	40.8	93.8	-53.0	Peak	Horizontal
*	3569.5	37.4	4.0	41.4	93.8	-52.4	Peak	Horizontal
	4874.0	37.1	6.6	43.7	74.0	-30.3	Peak	Horizontal
	7311.0	35.8	14.0	49.8	74.0	-24.2	Peak	Horizontal
*	3172.7	36.5	3.6	40.1	93.8	-53.7	Peak	Vertical
*	3518.5	36.0	3.9	39.9	93.8	-53.9	Peak	Vertical
	4874.0	36.1	6.6	42.7	74.0	-31.3	Peak	Vertical
	7311.0	36.0	14.0	50.0	74.0	-24.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.8dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3086.4	36.6	3.5	40.1	93.4	-53.3	Peak	Horizontal
*	3536.1	37.0	4.0	41.0	93.4	-52.4	Peak	Horizontal
	4924.0	36.5	6.7	43.2	74.0	-30.8	Peak	Horizontal
	7386.0	34.8	14.1	48.9	74.0	-25.1	Peak	Horizontal
*	3066.8	35.7	3.5	39.2	93.4	-54.2	Peak	Vertical
*	3469.7	36.0	3.7	39.7	93.4	-53.7	Peak	Vertical
	4924.0	36.1	6.7	42.8	74.0	-31.2	Peak	Vertical
	7386.0	34.2	14.1	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3153.6	36.6	3.6	40.2	91.4	-51.2	Peak	Horizontal
*	3493.6	36.6	3.8	40.4	91.4	-51.0	Peak	Horizontal
	4824.0	35.4	6.4	41.8	74.0	-32.2	Peak	Horizontal
	7302.5	35.7	14.0	49.7	74.0	-24.3	Peak	Horizontal
*	3053.7	36.0	3.4	39.4	91.4	-52.0	Peak	Vertical
*	3571.7	36.1	4.0	40.1	91.4	-51.3	Peak	Vertical
	4824.0	36.1	6.4	42.5	74.0	-31.5	Peak	Vertical
	7246.8	35.9	13.8	49.7	74.0	-24.3	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3174.7	36.1	3.6	39.7	91.9	-52.2	Peak	Horizontal
*	3591.3	36.4	4.0	40.4	91.9	-51.5	Peak	Horizontal
	4874.0	36.1	6.6	42.7	74.0	-31.3	Peak	Horizontal
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Horizontal
*	3087.7	36.3	3.5	39.8	91.9	-52.1	Peak	Vertical
*	3581.5	36.3	4.0	40.3	91.9	-51.6	Peak	Vertical
	4874.0	36.4	6.6	43.0	74.0	-31.0	Peak	Vertical
	7311.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.9dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3157.7	36.9	3.6	40.5	91.7	-51.2	Peak	Horizontal
*	3413.5	36.3	3.4	39.7	91.7	-52.0	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
*	3212.4	37.1	3.5	40.6	91.7	-51.1	Peak	Vertical
*	3593.4	35.8	4.0	39.8	91.7	-51.9	Peak	Vertical
	4924.0	35.8	6.7	42.5	74.0	-31.5	Peak	Vertical
	7386.0	34.8	14.1	48.9	74.0	-25.1	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3056.4	36.7	3.5	40.2	87.1	-46.9	Peak	Horizontal
*	3418.5	36.1	3.4	39.5	87.1	-47.6	Peak	Horizontal
	4824.0	37.2	6.4	43.6	74.0	-30.4	Peak	Horizontal
	7263.6	36.2	13.9	50.1	74.0	-23.9	Peak	Horizontal
*	3025.3	36.6	3.4	40.0	87.1	-47.1	Peak	Vertical
*	3502.1	36.7	3.9	40.6	87.1	-46.5	Peak	Vertical
	4824.9	34.3	6.4	40.7	54.0	-13.3	Average	Vertical
	4825.0	48.2	6.4	54.6	74.0	-19.4	Peak	Vertical
	7263.7	36.0	13.9	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3172.1	36.9	3.6	40.5	87.6	-47.1	Peak	Horizontal
*	3569.4	36.1	4.0	40.1	87.6	-47.5	Peak	Horizontal
	4874.0	37.9	6.6	44.5	74.0	-29.5	Peak	Horizontal
	7311.0	35.5	14.0	49.5	74.0	-24.5	Peak	Horizontal
*	3052.5	36.3	3.4	39.7	87.6	-47.9	Peak	Vertical
*	3505.5	36.4	3.9	40.3	87.6	-47.3	Peak	Vertical
	4874.9	35.7	6.6	42.3	54.0	-11.7	Average	Vertical
	4876.0	51.2	6.6	57.8	74.0	-16.2	Peak	Vertical
	7311.0	35.7	14.0	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.6dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3052.5	36.3	3.4	39.7	87.5	-47.8	Peak	Horizontal
*	3406.4	36.2	3.3	39.5	87.5	-48.0	Peak	Horizontal
	4927.0	39.9	6.7	46.6	74.0	-27.4	Peak	Horizontal
	7386.0	34.9	14.1	49.0	74.0	-25.0	Peak	Horizontal
*	3051.6	36.4	3.4	39.8	87.5	-47.7	Peak	Vertical
*	3572.7	36.4	4.0	40.4	87.5	-47.1	Peak	Vertical
	4923.8	34.0	6.7	40.7	54.0	-13.3	Average	Vertical
	4927.0	48.8	6.7	55.5	74.0	-18.5	Peak	Vertical
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3218.5	43.0	3.5	46.5	91.2	-44.7	Peak	Horizontal
*	4493.5	37.1	5.6	42.7	91.2	-48.5	Peak	Horizontal
	4824.0	38.0	6.4	44.4	74.0	-29.6	Peak	Horizontal
	7266.0	35.9	13.9	49.8	74.0	-24.2	Peak	Horizontal
*	3218.5	39.4	3.5	42.9	91.2	-48.3	Peak	Vertical
*	4459.5	37.2	5.5	42.7	91.2	-48.5	Peak	Vertical
	4823.7	34.8	6.4	41.2	54.0	-12.8	Average	Vertical
	4825.0	47.9	6.4	54.3	74.0	-19.7	Peak	Vertical
	7451.5	35.3	14.2	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3184.5	40.2	3.6	43.8	91.4	-47.6	Peak	Horizontal
*	4425.5	36.7	5.5	42.2	91.4	-49.2	Peak	Horizontal
	4876.0	38.9	6.6	45.5	74.0	-28.5	Peak	Horizontal
	7311.0	34.9	14.0	48.9	74.0	-25.1	Peak	Horizontal
*	3184.5	38.8	3.6	42.4	91.4	-49.0	Peak	Vertical
*	4476.5	37.5	5.6	43.1	91.4	-48.3	Peak	Vertical
	4876.0	46.7	6.6	53.3	74.0	-20.7	Peak	Vertical
	7311.0	36.1	14.0	50.1	74.0	-23.9	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3184.5	39.4	3.6	43.0	91.2	-48.2	Peak	Horizontal
*	3584.0	36.6	4.0	40.6	91.2	-50.6	Peak	Horizontal
	4927.0	38.8	6.7	45.5	74.0	-28.5	Peak	Horizontal
	7386.0	35.1	14.1	49.2	74.0	-24.8	Peak	Horizontal
*	3184.5	38.5	3.6	42.1	91.2	-49.1	Peak	Vertical
*	3499.0	37.2	3.9	41.1	91.2	-50.1	Peak	Vertical
	4923.9	35.1	6.7	41.8	54.0	-12.2	Average	Vertical
	4927.0	47.4	6.7	54.1	74.0	-19.9	Peak	Vertical
	7386.0	34.9	14.1	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3172.4	37.2	3.6	40.8	86.9	-46.1	Peak	Horizontal
*	3596.4	36.5	4.0	40.5	86.9	-46.4	Peak	Horizontal
	4844.0	37.0	6.5	43.5	74.0	-30.5	Peak	Horizontal
	7266.0	36.4	13.9	50.3	74.0	-23.7	Peak	Horizontal
*	3120.6	36.2	3.5	39.7	86.9	-47.2	Peak	Vertical
*	3563.4	35.8	4.1	39.9	86.9	-47.0	Peak	Vertical
	4844.0	36.8	6.5	43.3	74.0	-30.7	Peak	Vertical
	7266.0	36.2	13.9	50.1	74.0	-23.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.9dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3172.6	36.4	3.6	40.0	87.0	-47.0	Peak	Horizontal
*	3563.3	35.8	4.1	39.9	87.0	-47.1	Peak	Horizontal
	4874.0	35.8	6.6	42.4	74.0	-31.6	Peak	Horizontal
	7311.0	35.3	14.0	49.3	74.0	-24.7	Peak	Horizontal
*	3025.8	36.6	3.4	40.0	87.0	-47.0	Peak	Vertical
*	3572.7	36.2	4.0	40.2	87.0	-46.8	Peak	Vertical
	4874.0	36.5	6.6	43.1	74.0	-30.9	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 (107.0dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3174.6	36.6	3.6	40.2	86.2	-46.0	Peak	Horizontal
*	3492.3	36.3	3.8	40.1	86.2	-46.1	Peak	Horizontal
	4904.0	35.7	6.7	42.4	74.0	-31.6	Peak	Horizontal
	7356.0	35.0	14.0	49.0	74.0	-25.0	Peak	Horizontal
*	3025.5	36.5	3.4	39.9	86.2	-46.3	Peak	Vertical
*	3502.1	36.4	3.9	40.3	86.2	-45.9	Peak	Vertical
	4904.0	36.0	6.7	42.7	74.0	-31.3	Peak	Vertical
	7356.0	34.6	14.0	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.2dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3105.5	36.9	3.5	40.4	82.0	-41.6	Peak	Horizontal
*	3593.7	36.3	4.0	40.3	82.0	-41.7	Peak	Horizontal
	4844.0	36.6	6.5	43.1	74.0	-30.9	Peak	Horizontal
	7266.0	36.3	13.9	50.2	74.0	-23.8	Peak	Horizontal
*	3146.6	36.7	3.6	40.3	82.0	-41.7	Peak	Vertical
*	3527.1	36.8	4.0	40.8	82.0	-41.2	Peak	Vertical
	4850.5	40.9	6.5	47.4	74.0	-26.6	Peak	Vertical
	7266.0	35.9	13.9	49.8	74.0	-24.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3183.9	39.1	3.6	42.7	83.1	-40.4	Peak	Horizontal
*	3419.8	36.8	3.4	40.2	83.1	-42.9	Peak	Horizontal
	4874.0	36.8	6.6	43.4	74.0	-30.6	Peak	Horizontal
	7311.0	34.9	14.0	48.9	74.0	-25.1	Peak	Horizontal
*	3166.4	36.3	3.6	39.9	83.1	-43.2	Peak	Vertical
*	3566.2	36.7	4.1	40.8	83.1	-42.3	Peak	Vertical
	4876.0	46.7	6.6	53.3	74.0	-20.7	Peak	Vertical
	7311.0	35.7	14.0	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.1dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3196.7	36.8	3.5	40.3	82.4	-42.1	Peak	Horizontal
*	3405.7	35.8	3.3	39.1	82.4	-43.3	Peak	Horizontal
	4904.0	36.1	6.7	42.8	74.0	-31.2	Peak	Horizontal
	7356.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	3055.6	36.0	3.5	39.5	82.4	-42.9	Peak	Vertical
*	3502.7	36.4	3.9	40.3	82.4	-42.1	Peak	Vertical
	4901.5	40.7	6.7	47.4	74.0	-26.6	Peak	Vertical
	7356.0	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 (102.4dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3227.0	42.1	3.5	45.6	85.2	-39.6	Peak	Horizontal
*	3550.0	37.5	4.1	41.6	85.2	-43.6	Peak	Horizontal
	4844.0	36.4	6.5	42.9	74.0	-31.1	Peak	Horizontal
	7266.0	36.6	13.9	50.5	74.0	-23.5	Peak	Horizontal
*	3227.0	38.2	3.5	41.7	85.2	-43.5	Peak	Vertical
*	3550.0	37.1	4.1	41.2	85.2	-44.0	Peak	Vertical
	4842.0	45.4	6.5	51.9	74.0	-22.1	Peak	Vertical
	7266.0	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 (105.2dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3184.5	39.7	3.6	43.3	87.4	-44.1	Peak	Horizontal
*	3575.5	37.2	4.0	41.2	87.4	-46.2	Peak	Horizontal
	4874.0	37.7	6.6	44.3	74.0	-29.7	Peak	Horizontal
	7311.0	34.9	14.0	48.9	74.0	-25.1	Peak	Horizontal
*	3252.5	38.5	3.4	41.9	87.4	-45.5	Peak	Vertical
*	3456.5	37.7	3.6	41.3	87.4	-46.1	Peak	Vertical
	4876.0	47.2	6.6	53.8	74.0	-20.2	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 (107.4dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3184.5	39.9	3.6	43.5	86.0	-42.5	Peak	Horizontal
*	3269.5	40.1	3.3	43.4	86.0	-42.6	Peak	Horizontal
	4904.0	36.3	6.7	43.0	74.0	-31.0	Peak	Horizontal
	7356.0	35.5	14.0	49.5	74.0	-24.5	Peak	Horizontal
*	3218.5	38.8	3.5	42.3	86.0	-43.7	Peak	Vertical
*	3592.5	37.4	4.0	41.4	86.0	-44.6	Peak	Vertical
	4910.0	41.6	6.7	48.3	74.0	-25.7	Peak	Vertical
	7356.0	34.9	14.0	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.0dBμV/m).

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

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

Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7140.7	34.2	13.5	47.7	74.0	-26.3	Peak	Horizontal
*	8573.7	33.6	14.5	48.1	74.0	-25.9	Peak	Horizontal
	9492.5	35.1	15.4	50.5	74.0	-23.5	Peak	Horizontal
	11489.0	37.9	19.4	57.3	74.0	-16.7	Peak	Horizontal
	11490.2	25.6	19.4	45.0	54.0	-9.0	Average	Horizontal
*	7148.8	34.0	13.5	47.5	74.0	-26.5	Peak	Vertical
*	8513.7	34.9	14.6	49.5	74.0	-24.5	Peak	Vertical
	9102.7	35.4	14.6	50.0	74.0	-24.0	Peak	Vertical
	11795.0	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.0dBμV/m).

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

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

Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7140.7	34.2	13.5	47.7	99.2	-51.5	Peak	Horizontal
*	8573.7	33.6	14.5	48.1	99.2	-51.1	Peak	Horizontal
	9492.5	35.1	15.4	50.5	74.0	-23.5	Peak	Horizontal
	11489.0	37.9	19.4	57.3	74.0	-16.7	Peak	Horizontal
	11490.2	25.6	19.4	45.0	54.0	-9.0	Average	Horizontal
*	7148.8	34.0	13.5	47.5	99.2	-51.7	Peak	Vertical
*	8513.7	34.9	14.6	49.5	99.2	-49.7	Peak	Vertical
	9102.7	35.4	14.6	50.0	74.0	-24.0	Peak	Vertical
	11795.0	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (119.2dBμV/m).

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

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

Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7102.4	34.3	13.4	47.7	98.6	-50.9	Peak	Horizontal
*	8506.4	34.2	14.6	48.8	98.6	-49.8	Peak	Horizontal
	9379.9	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	11795.0	33.7	19.4	53.1	74.0	-20.9	Peak	Horizontal
*	7103.7	34.0	13.4	47.4	98.6	-51.2	Peak	Vertical
*	8526.7	34.3	14.6	48.9	98.6	-49.7	Peak	Vertical
	9471.0	35.6	15.4	51.0	74.0	-23.0	Peak	Vertical
	11530.3	26.5	19.4	45.9	54.0	-8.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.6dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7136.5	36.0	13.5	49.5	98.3	-48.8	Peak	Horizontal
*	8572.7	36.6	14.5	51.1	98.3	-47.2	Peak	Horizontal
	9343.7	38.0	15.4	53.4	74.0	-20.6	Peak	Horizontal
	10698.5	33.4	17.7	51.1	74.0	-22.9	Peak	Horizontal
*	7194.7	34.4	13.6	48.0	98.3	-50.3	Peak	Vertical
*	8540.4	33.6	14.5	48.1	98.3	-50.2	Peak	Vertical
	9143.7	35.2	15.2	50.4	74.0	-23.6	Peak	Vertical
	11795.0	33.7	19.4	53.1	74.0	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.3dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7173.7	34.2	13.6	47.8	97.9	-50.1	Peak	Horizontal
*	7764.9	34.5	14.8	49.3	97.9	-48.6	Peak	Horizontal
	9346.4	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
	11854.5	33.3	19.5	52.8	74.0	-21.2	Peak	Horizontal
*	7088.0	34.8	13.3	48.1	97.9	-49.8	Peak	Vertical
*	7984.9	33.6	15.0	48.6	97.9	-49.3	Peak	Vertical
	9183.7	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7148.0	34.6	13.5	48.1	98.7	-50.6	Peak	Horizontal
*	8516.7	34.3	14.6	48.9	98.7	-49.8	Peak	Horizontal
	9173.6	35.4	15.3	50.7	74.0	-23.3	Peak	Horizontal
	11803.5	33.0	19.3	52.3	74.0	-21.7	Peak	Horizontal
*	7058.8	34.7	13.1	47.8	98.7	-50.9	Peak	Vertical
*	8549.4	34.5	14.5	49.0	98.7	-49.7	Peak	Vertical
	9356.1	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical
	11956.5	33.4	19.7	53.1	74.0	-20.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.7dBμV/m).

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

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

Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7023.7	35.0	12.9	47.9	99.7	-51.8	Peak	Horizontal
*	8526.7	33.8	14.6	48.4	99.7	-51.3	Peak	Horizontal
	9102.5	34.7	14.6	49.3	74.0	-24.7	Peak	Horizontal
	12067.0	33.9	19.2	53.1	74.0	-20.9	Peak	Horizontal
*	7046.6	35.4	13.1	48.5	99.7	-51.2	Peak	Vertical
*	7315.6	35.0	14.0	49.0	99.7	-50.7	Peak	Vertical
	8512.9	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical
	11914.0	33.1	19.6	52.7	74.0	-21.3	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7026.7	35.0	12.9	47.9	98.9	-51.0	Peak	Horizontal
*	8502.6	35.2	14.7	49.9	98.9	-49.0	Peak	Horizontal
	9372.7	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	11812.0	32.9	19.3	52.2	74.0	-21.8	Peak	Horizontal
*	7102.6	34.0	13.4	47.4	98.9	-51.5	Peak	Vertical
*	8505.7	34.8	14.6	49.4	98.9	-49.5	Peak	Vertical
	9383.6	35.0	15.3	50.3	74.0	-23.7	Peak	Vertical
	11948.0	32.9	19.7	52.6	74.0	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (118.9dBμV/m).

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

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

Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7183.7	33.6	13.6	47.2	99.3	-52.1	Peak	Horizontal
*	8016.4	35.2	15.1	50.3	99.3	-49.0	Peak	Horizontal
	9473.5	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
	11914.0	32.7	19.6	52.3	74.0	-21.7	Peak	Horizontal
*	7023.4	35.4	12.9	48.3	99.3	-51.0	Peak	Vertical
*	8536.5	33.6	14.5	48.1	99.3	-51.2	Peak	Vertical
	9356.7	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical
	11319.0	33.0	19.1	52.1	74.0	-21.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (119.3dBμV/m).

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

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

Test Mode:	802.11n-HT40 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.7	34.8	13.1	47.9	95.3	-47.4	Peak	Horizontal
*	8513.7	35.6	14.6	50.2	95.3	-45.1	Peak	Horizontal
	9102.7	34.9	14.6	49.5	74.0	-24.5	Peak	Horizontal
	10681.5	34.2	17.6	51.8	74.0	-22.2	Peak	Horizontal
*	7141.0	34.2	13.5	47.7	95.3	-47.6	Peak	Vertical
*	8697.5	34.5	14.8	49.3	95.3	-46.0	Peak	Vertical
	9372.7	35.2	15.3	50.5	74.0	-23.5	Peak	Vertical
	12466.5	33.1	19.7	52.8	74.0	-21.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.3dBμV/m).

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

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

Test Mode:	802.11n-HT40 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7023.7	35.5	12.9	48.4	95.8	-47.4	Peak	Horizontal
*	8012.5	34.8	15.1	49.9	95.8	-45.9	Peak	Horizontal
	9153.7	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
	11319.0	33.7	19.1	52.8	74.0	-21.2	Peak	Horizontal
*	7053.7	35.4	13.1	48.5	95.8	-47.3	Peak	Vertical
*	8502.6	33.9	14.7	48.6	95.8	-47.2	Peak	Vertical
	9325.4	35.5	15.4	50.9	74.0	-23.1	Peak	Vertical
	11914.0	33.4	19.6	53.0	74.0	-21.0	Peak	Vertical

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

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

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

Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7256.4	35.0	13.9	48.9	95.3	-46.4	Peak	Horizontal
*	8543.6	33.3	14.5	47.8	95.3	-47.5	Peak	Horizontal
	9383.7	35.0	15.3	50.3	74.0	-23.7	Peak	Horizontal
	11803.5	32.8	19.3	52.1	74.0	-21.9	Peak	Horizontal
*	7149.8	34.3	13.5	47.8	95.3	-47.5	Peak	Vertical
*	8872.7	34.3	14.3	48.6	95.3	-46.7	Peak	Vertical
	9400.3	35.8	15.4	51.2	74.0	-22.8	Peak	Vertical
	11905.5	33.1	19.5	52.6	74.0	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.3dBμV/m).

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

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

Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7149.9	34.3	13.5	47.8	95.7	-47.9	Peak	Horizontal
*	8537.0	33.6	14.5	48.1	95.7	-47.6	Peak	Horizontal
	9415.4	35.4	15.5	50.9	74.0	-23.1	Peak	Horizontal
	11812.0	33.8	19.3	53.1	74.0	-20.9	Peak	Horizontal
*	7149.0	34.7	13.5	48.2	95.7	-47.5	Peak	Vertical
*	8572.7	33.7	14.5	48.2	95.7	-47.5	Peak	Vertical
	9371.0	35.6	15.3	50.9	74.0	-23.1	Peak	Vertical
	11803.5	33.3	19.3	52.6	74.0	-21.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (115.7dBμV/m).

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

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

Test Mode:	802.11ac-VHT80 – Ant 0 + 1 + 2 + 3	Test Site:	AC1
Test Channel:	155	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7203.7	34.7	13.6	48.3	94.8	-46.5	Peak	Horizontal
*	8571.5	34.1	14.5	48.6	94.8	-46.2	Peak	Horizontal
	9397.0	35.5	15.4	50.9	74.0	-23.1	Peak	Horizontal
	12024.5	34.0	19.5	53.5	74.0	-20.5	Peak	Horizontal
*	7053.7	35.1	13.1	48.2	94.8	-46.6	Peak	Vertical
*	8593.6	33.4	14.8	48.2	94.8	-46.6	Peak	Vertical
	9472.2	35.7	15.4	51.1	74.0	-22.9	Peak	Vertical
	11914.0	33.2	19.6	52.8	74.0	-21.2	Peak	Vertical

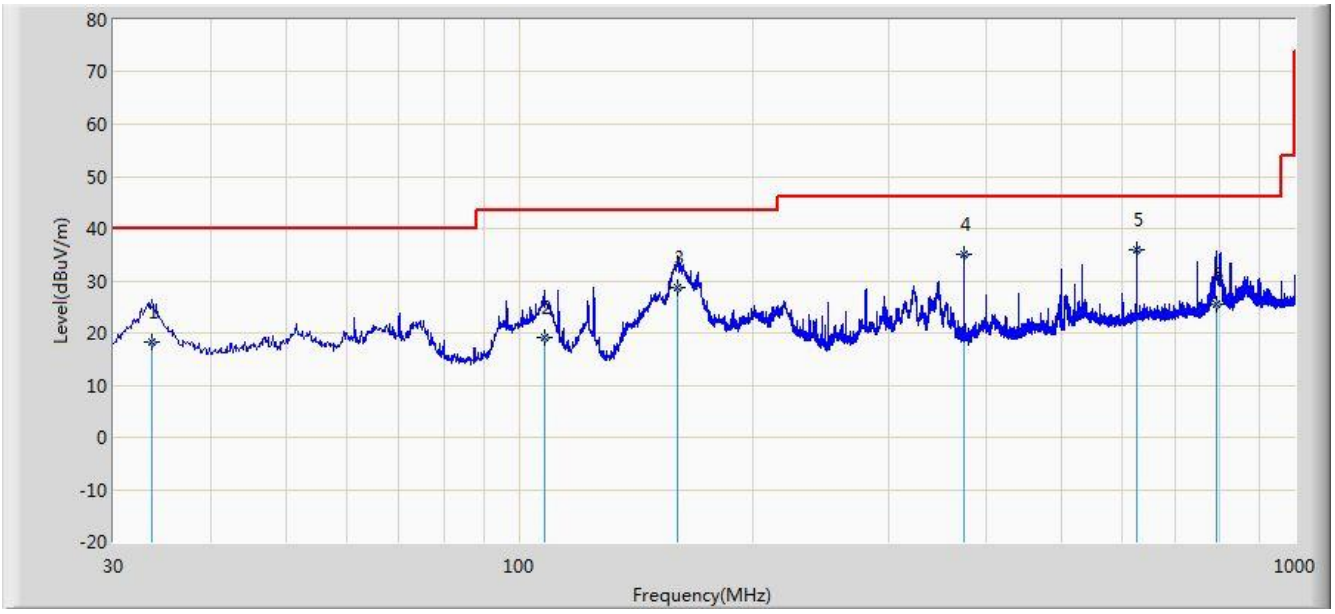
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.8dBμV/m).

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

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

The worst case of Radiated Emission below 1GHz:

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 13:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Worst Case Mode: 802.11b Channel 2412MHz	

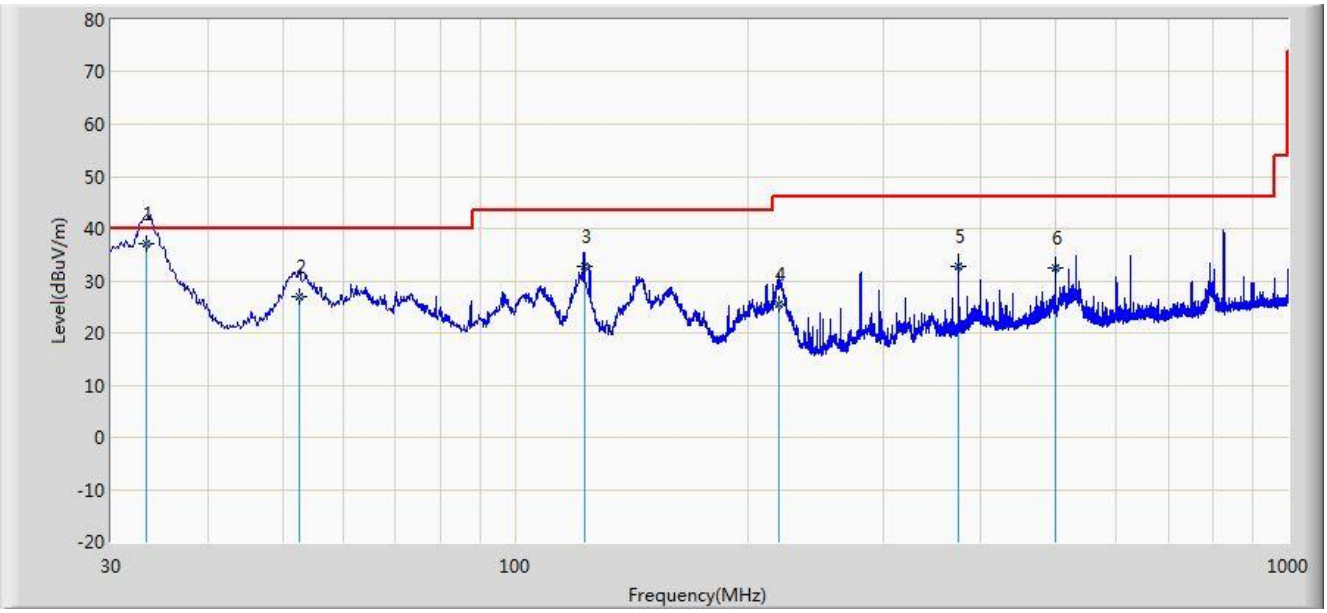


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			33.550	18.143	5.600	-21.857	40.000	12.543	QP
2			108.000	19.252	6.500	-24.248	43.500	12.752	QP
3			160.334	28.836	19.300	-14.664	43.500	9.536	QP
4			374.997	35.032	19.300	-10.968	46.000	15.732	QP
5		*	625.000	36.022	16.300	-9.978	46.000	19.722	QP
6			791.000	25.495	3.500	-20.505	46.000	21.995	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 13:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Worst Case Mode: 802.11b Channel 2412MHz	

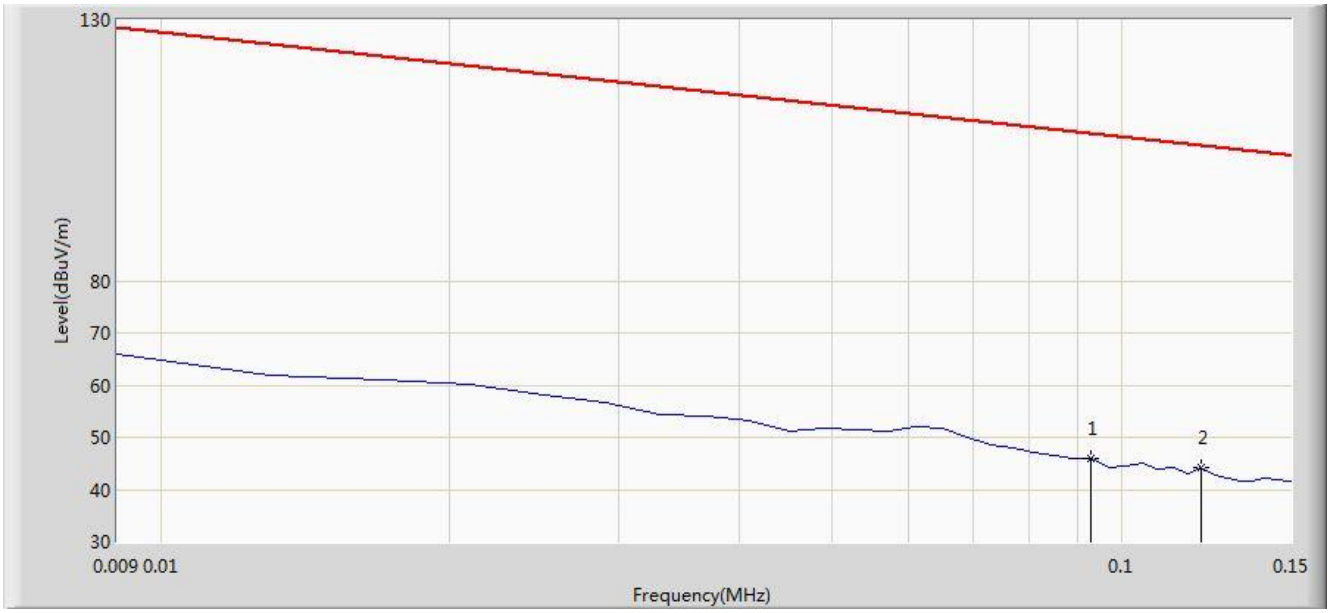


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	33.348	37.107	24.600	-2.893	40.000	12.507	QP
2			52.649	26.905	12.200	-13.095	40.000	14.705	QP
3			122.875	32.684	22.100	-10.816	43.500	10.584	QP
4			219.400	25.477	13.200	-20.523	46.000	12.277	QP
5			374.998	32.832	17.100	-13.168	46.000	15.732	QP
6			499.995	32.442	14.700	-13.558	46.000	17.742	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 13:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

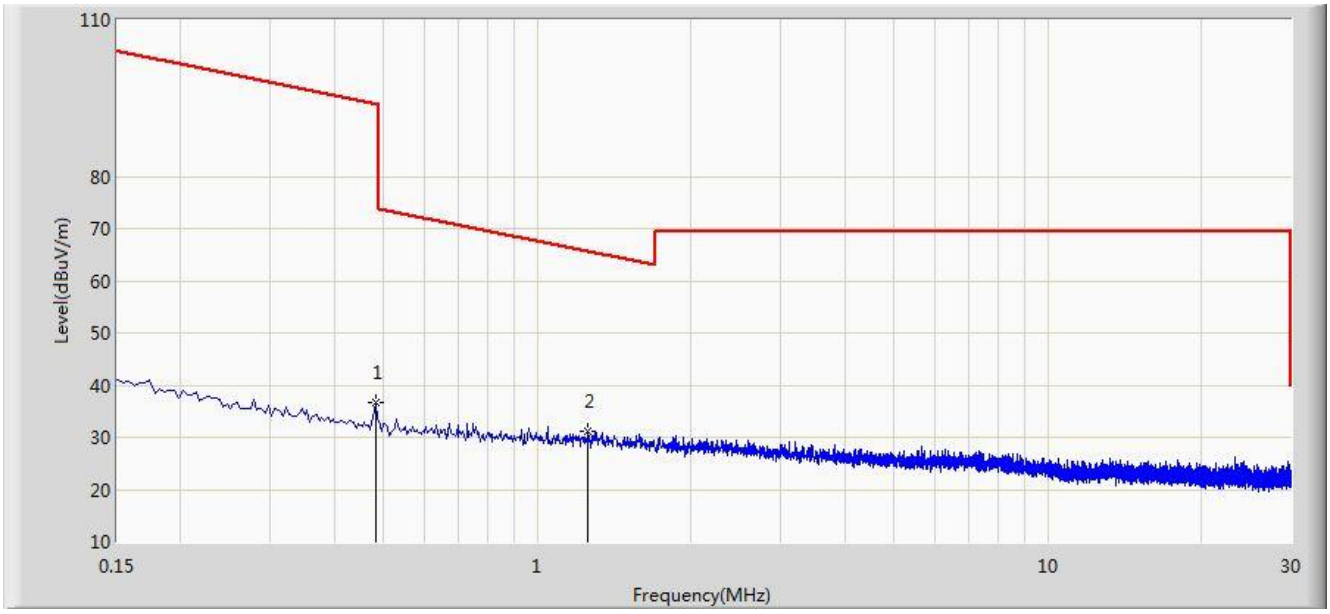


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			0.093	46.049	25.820	-62.178	108.226	20.229	QP
2		*	0.121	44.063	23.875	-61.879	105.942	20.188	QP

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 13:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face On
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			0.482	36.594	16.194	-57.348	93.943	20.401	QP
2		*	1.258	31.288	10.788	-34.345	65.633	20.500	QP

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

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

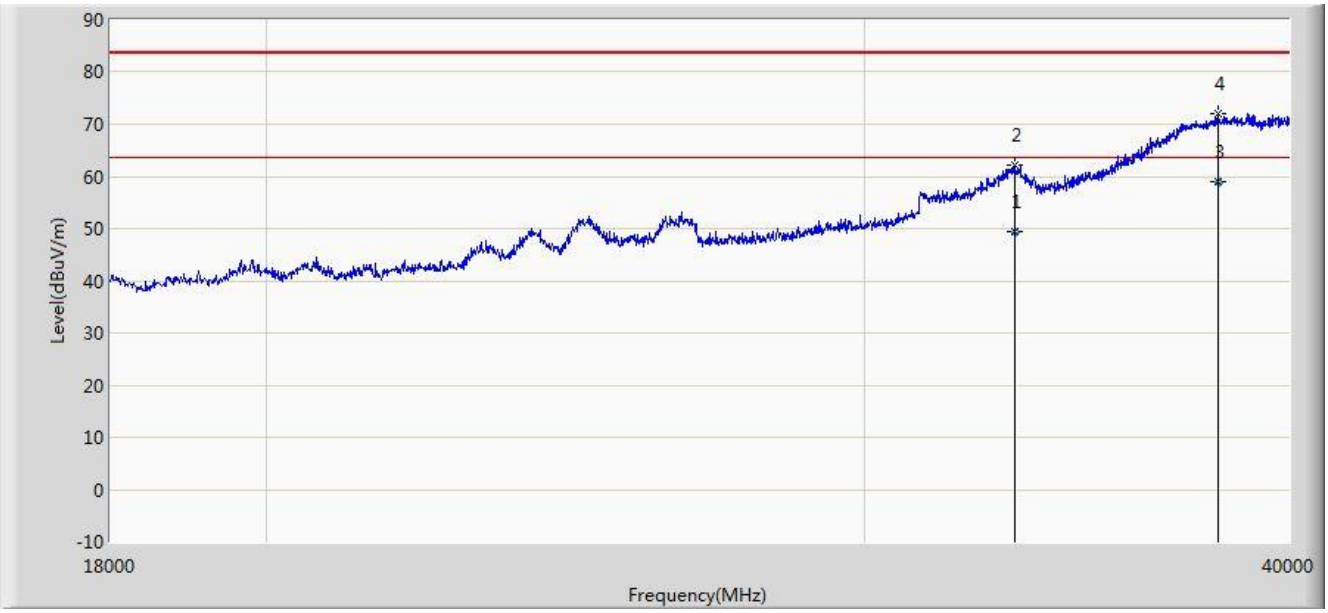
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 12:31
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33179.678	48.619	27.098	-14.881	63.500	21.521	AV
2			33180.000	61.501	39.980	-21.999	83.500	21.521	PK
3			38790.000	72.332	44.416	-11.168	83.500	27.916	PK
4			38790.560	59.594	31.678	-3.906	63.500	27.916	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 12:31
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33212.889	49.517	27.980	-13.983	63.500	21.537	AV
2			33213.000	62.169	40.632	-21.331	83.500	21.538	PK
3			38118.567	58.968	32.567	-4.532	63.500	26.402	AV
4			38119.000	71.963	45.561	-11.537	83.500	26.403	PK

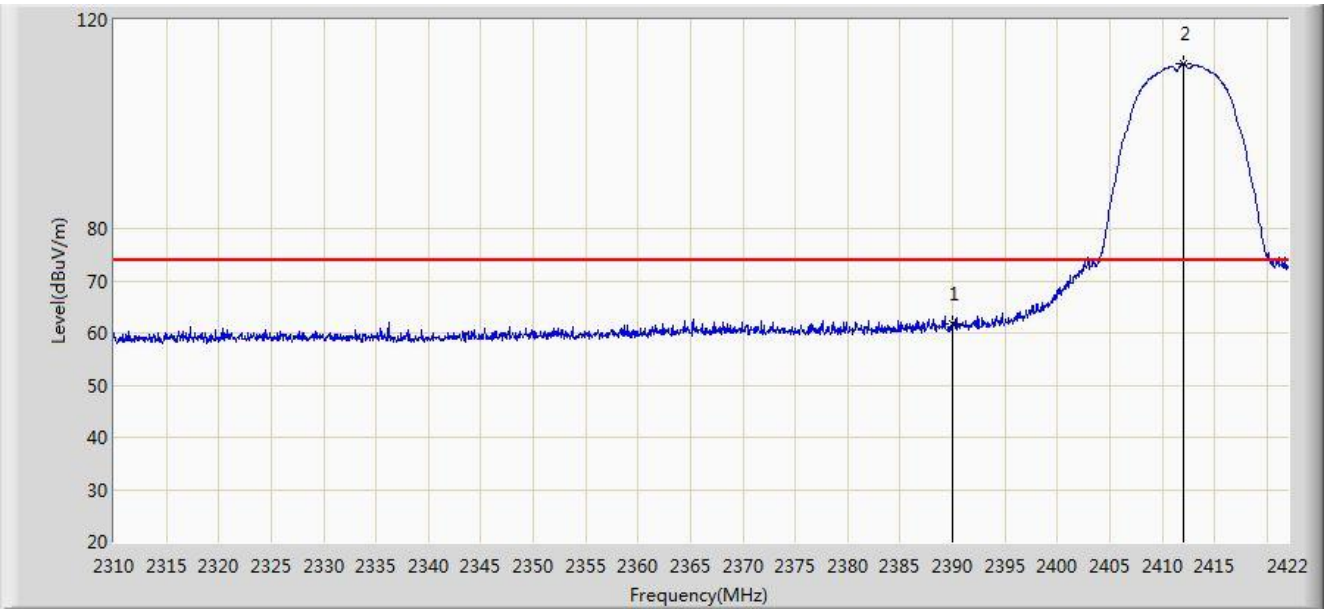
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

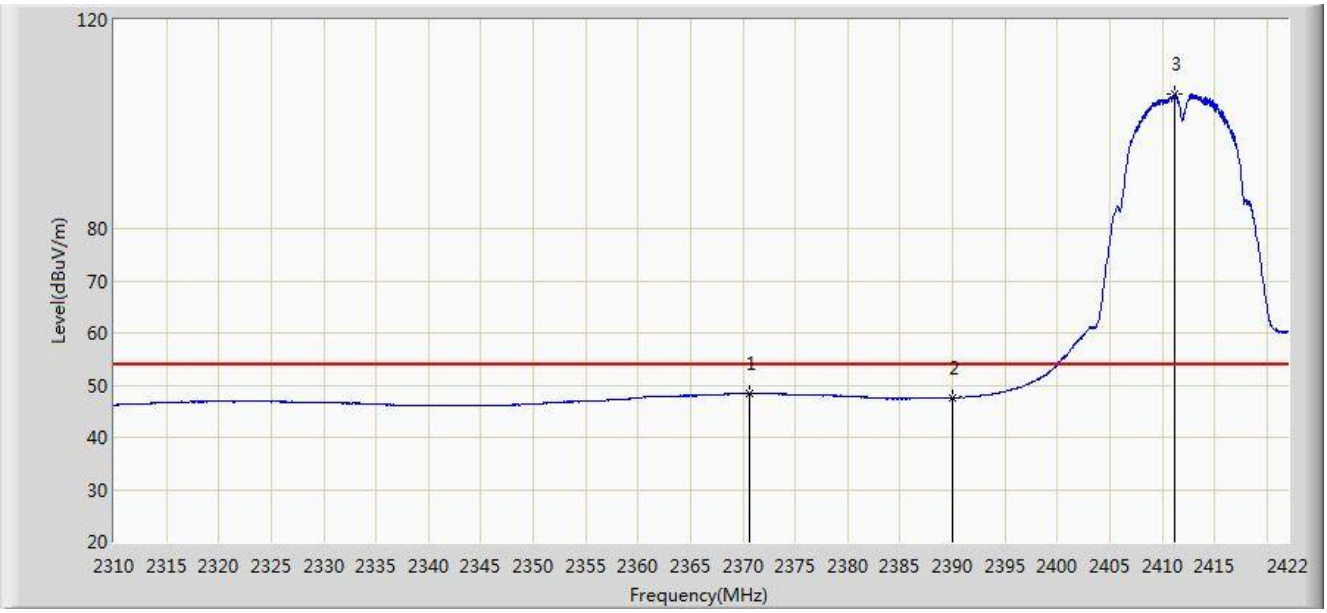


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	61.687	31.003	-12.313	74.000	30.684	PK
2		*	2411.976	111.714	81.069	N/A	N/A	30.645	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

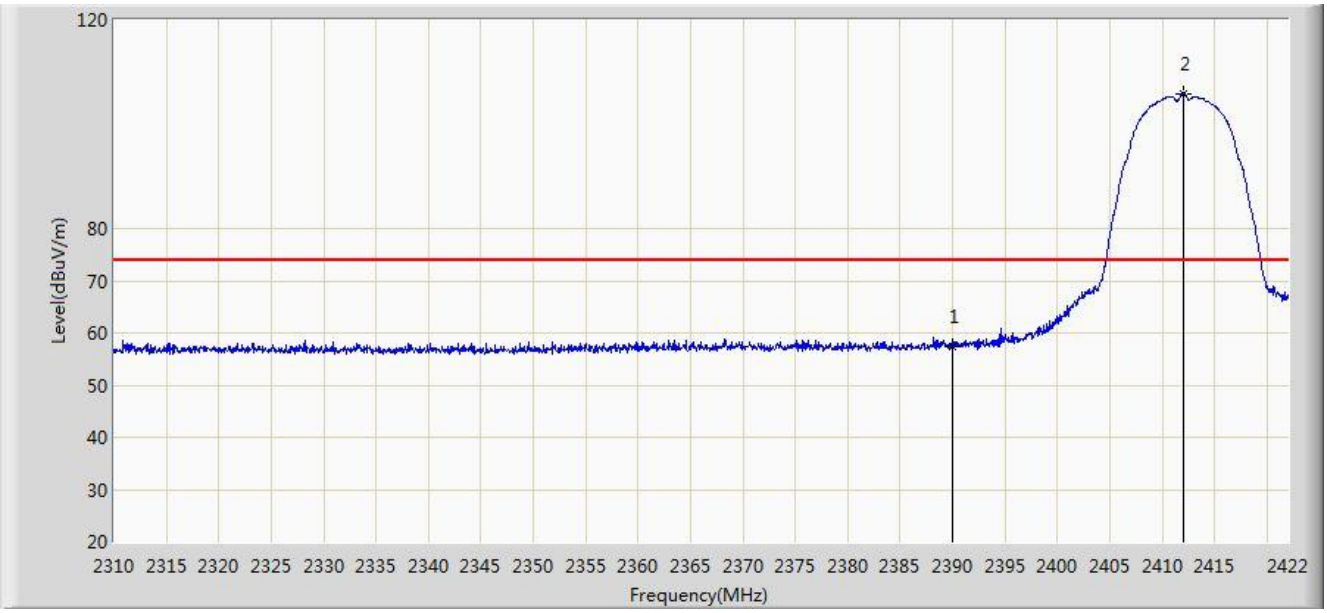


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2370.592	48.474	17.746	-5.526	54.000	30.728	AV
2			2390.000	47.617	16.933	-6.383	54.000	30.684	AV
3		*	2411.248	105.713	75.067	N/A	N/A	30.646	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

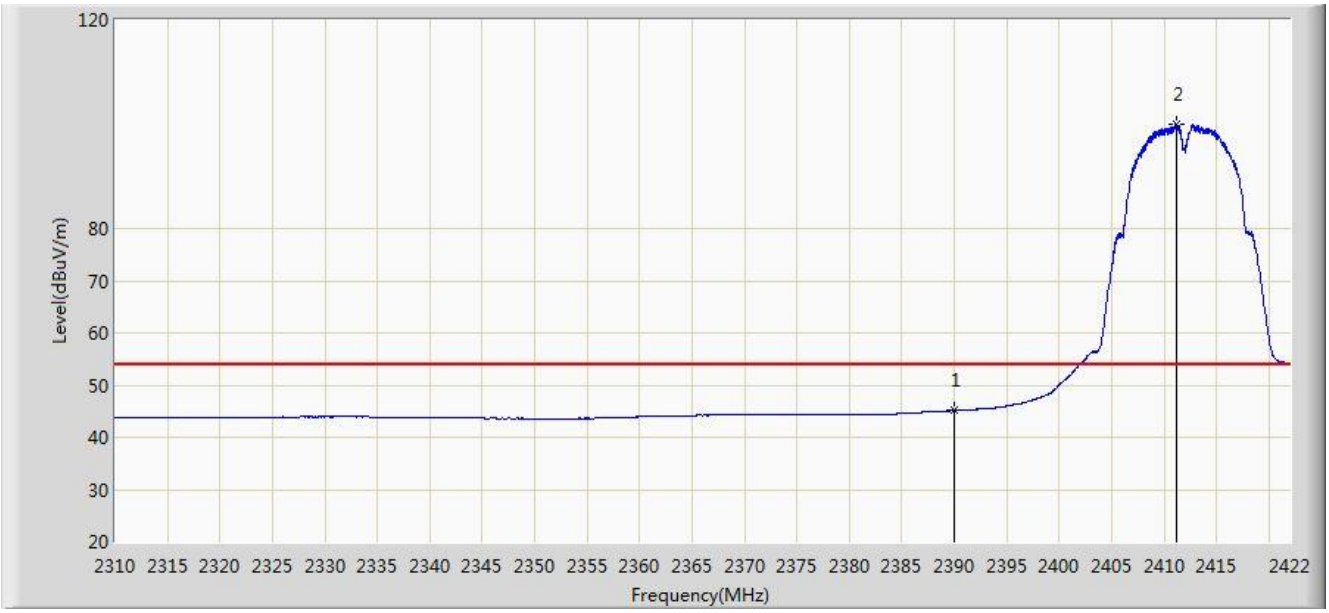


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.522	26.838	-16.478	74.000	30.684	PK
2		*	2411.976	105.935	75.290	N/A	N/A	30.645	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

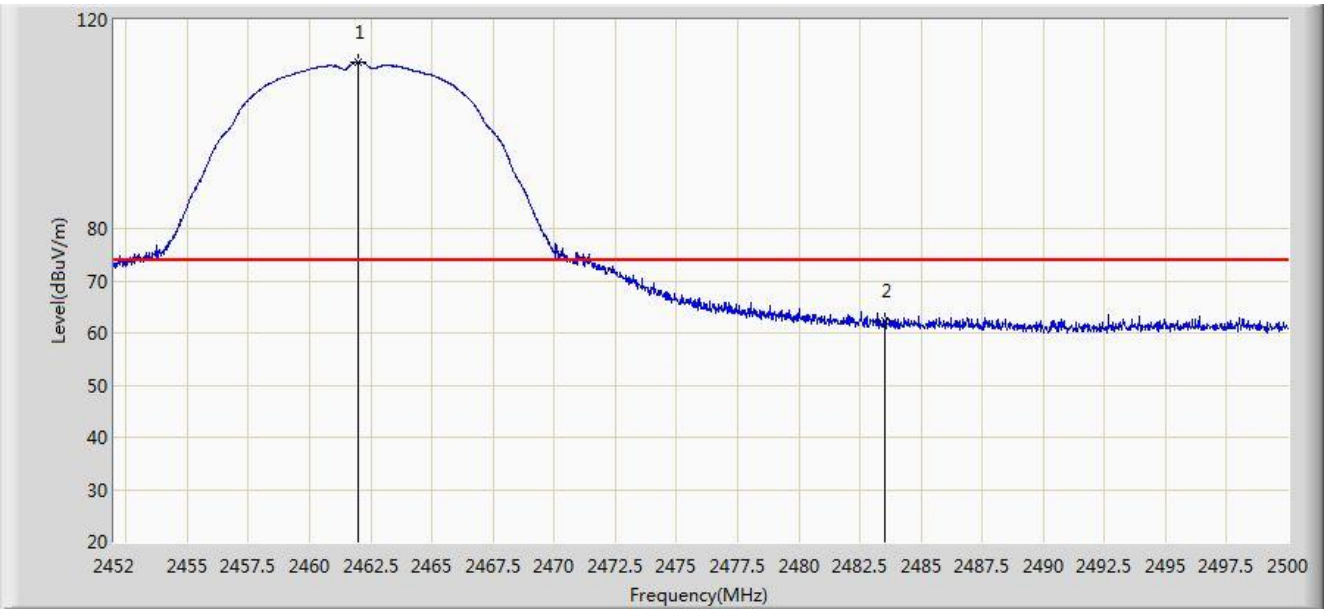


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.101	14.417	-8.899	54.000	30.684	AV
2		*	2411.248	100.046	69.400	N/A	N/A	30.646	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	112.018	81.407	N/A	N/A	30.611	PK
2			2483.500	62.269	31.596	-11.731	74.000	30.673	PK

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

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

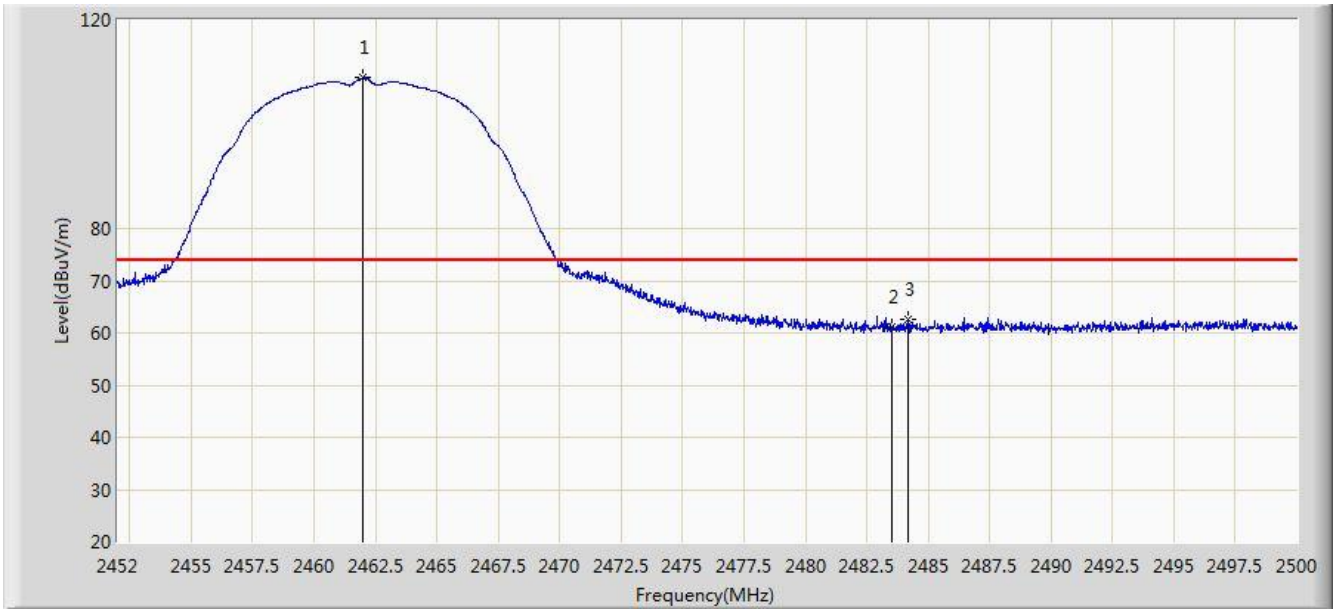
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.096	105.945	75.335	N/A	N/A	30.610	AV
2			2483.500	48.333	17.660	-5.667	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

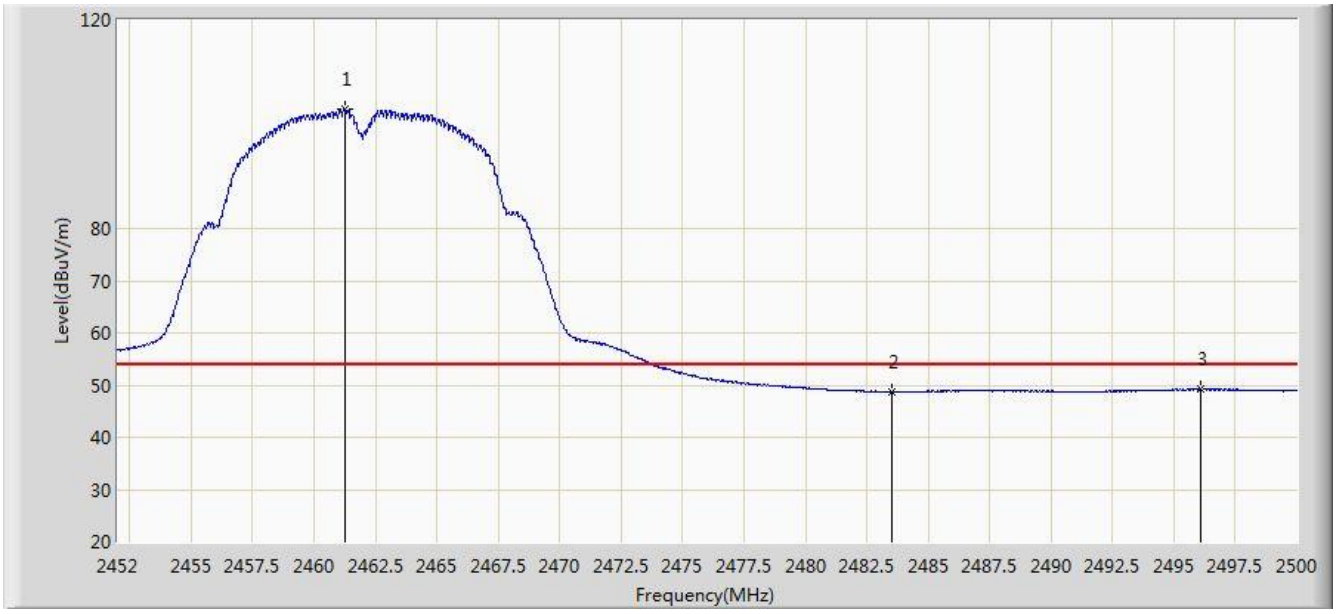


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	108.927	78.316	N/A	N/A	30.611	PK
2			2483.500	61.253	30.580	-12.747	74.000	30.673	PK
3			2484.160	62.727	32.052	-11.273	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

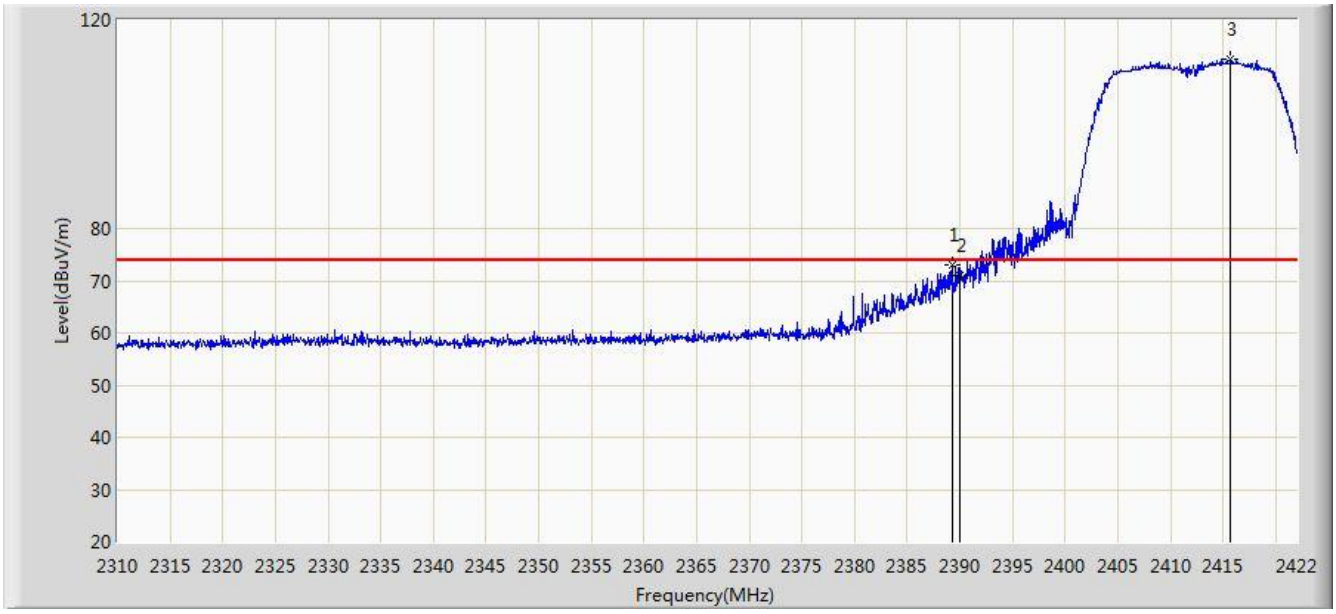


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	102.927	72.317	N/A	N/A	30.611	AV
2			2483.500	48.781	18.108	-5.219	54.000	30.673	AV
3			2496.064	49.188	18.479	-4.812	54.000	30.709	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

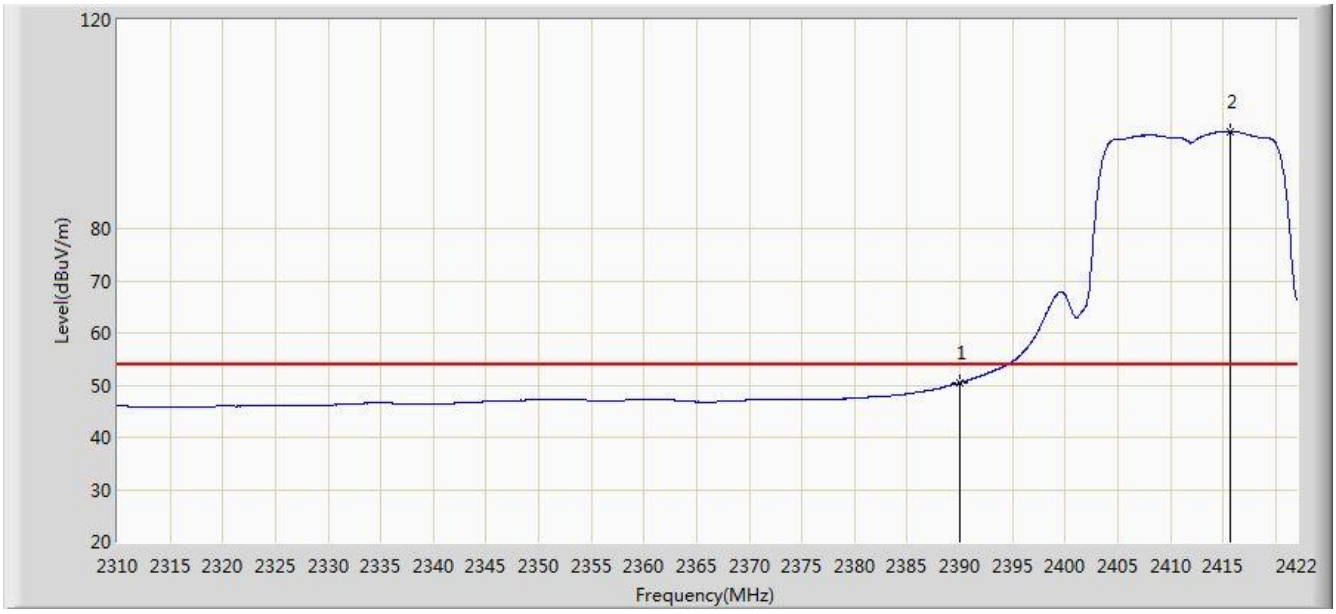


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.240	73.085	42.400	-0.915	74.000	30.686	PK
2			2390.000	70.941	40.257	-3.059	74.000	30.684	PK
3		*	2415.728	112.493	81.854	N/A	N/A	30.639	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

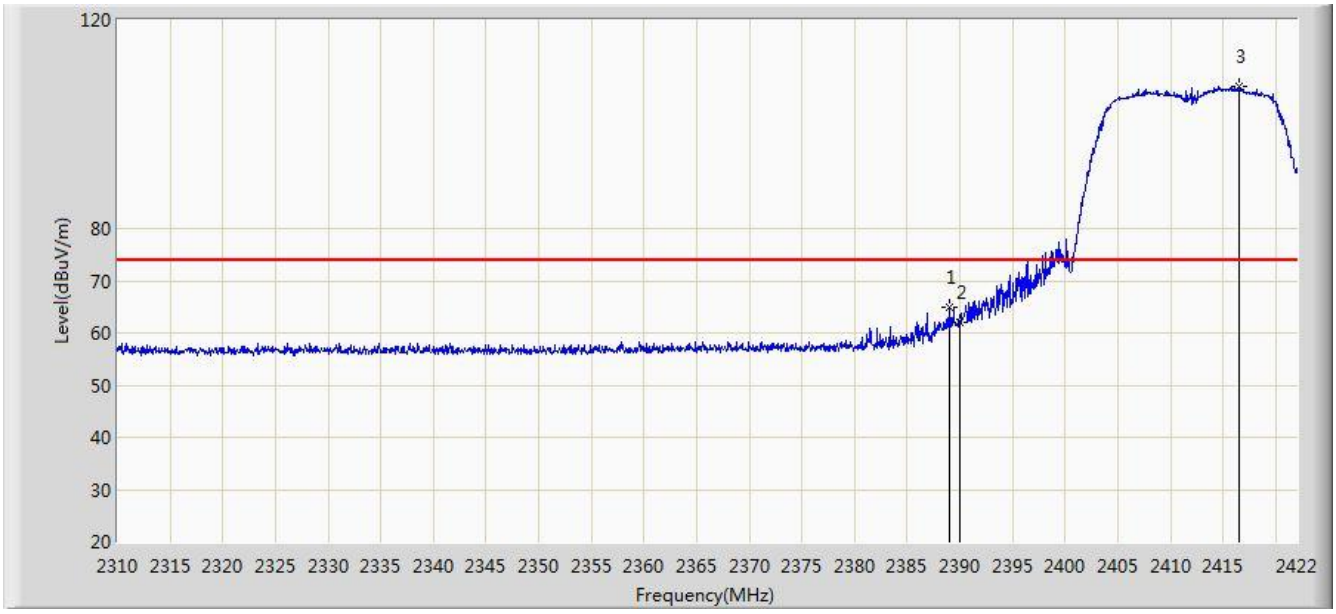


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.434	19.750	-3.566	54.000	30.684	AV
2		*	2415.672	98.653	68.014	N/A	N/A	30.639	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

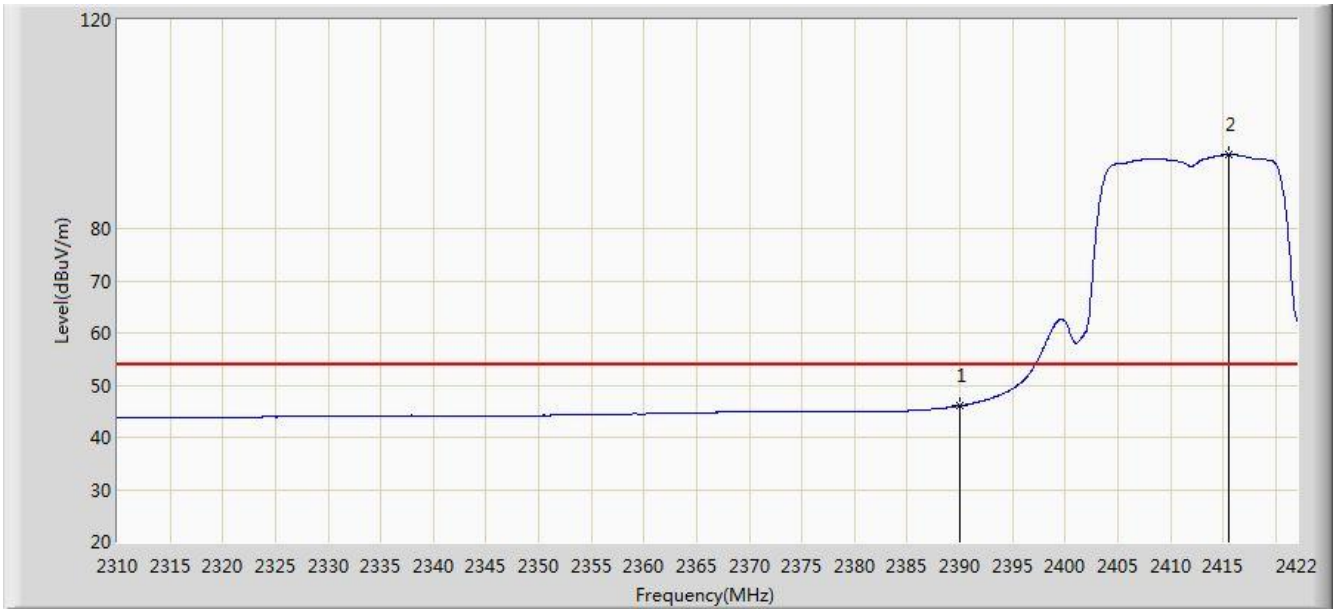


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.960	65.020	34.334	-8.980	74.000	30.686	PK
2			2390.000	62.066	31.382	-11.934	74.000	30.684	PK
3		*	2416.568	107.181	76.543	N/A	N/A	30.638	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 16:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

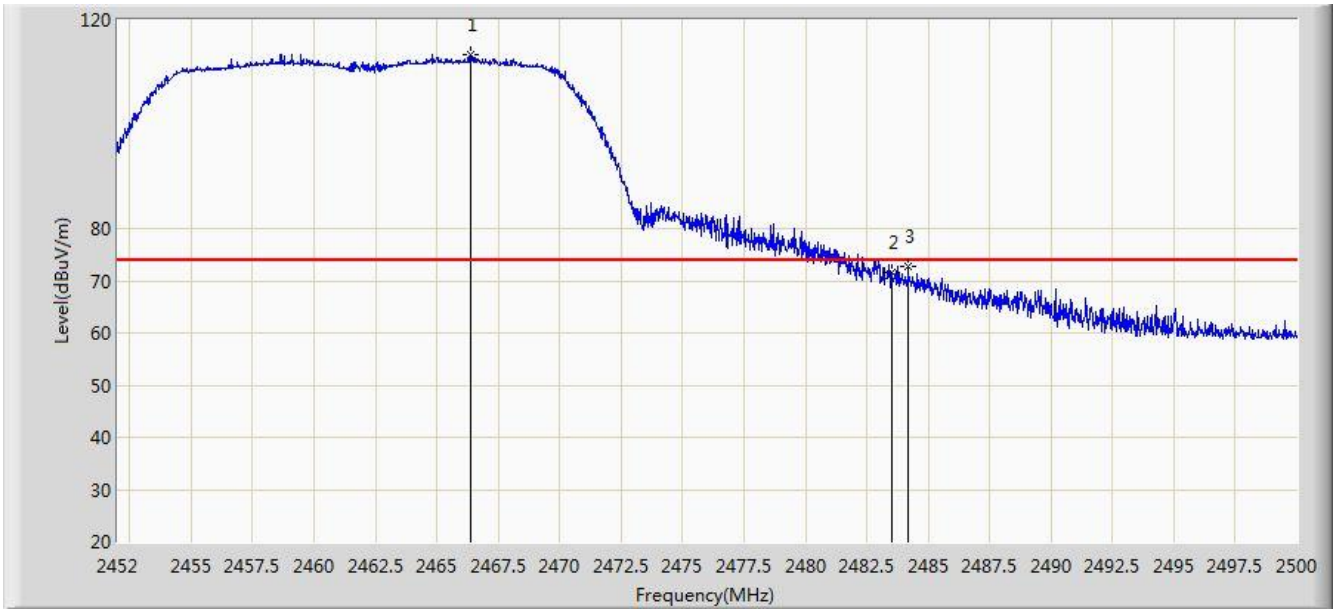


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.036	15.352	-7.964	54.000	30.684	AV
2		*	2415.504	94.200	63.561	N/A	N/A	30.640	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

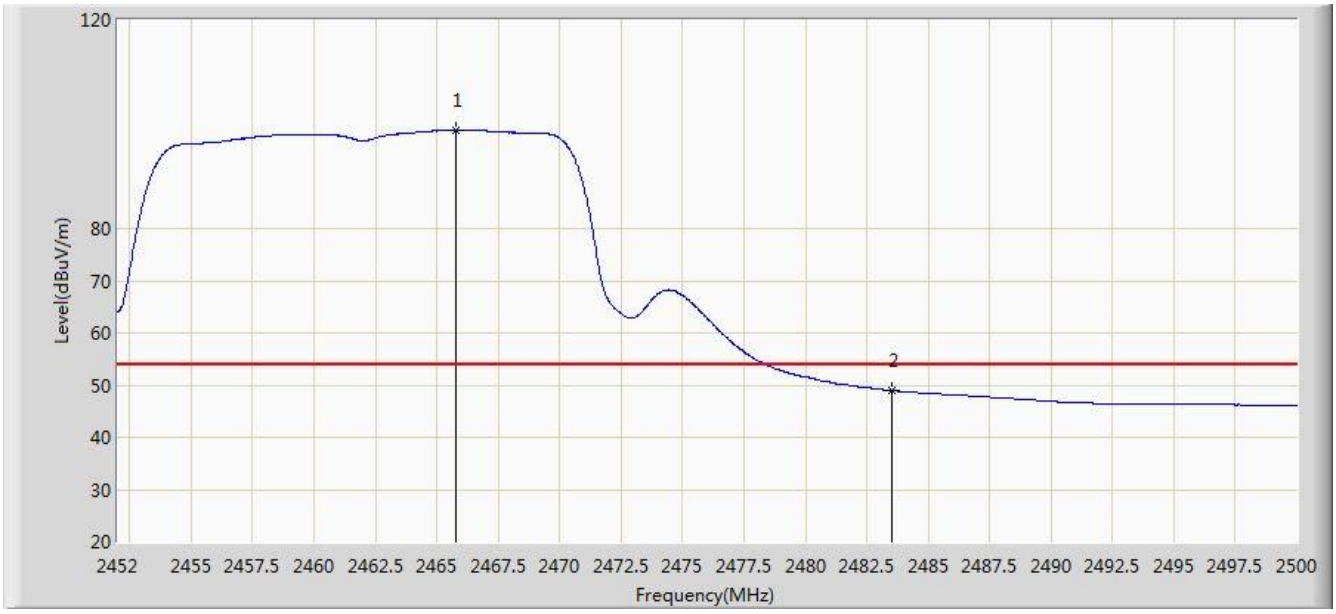


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.352	113.414	82.792	N/A	N/A	30.623	PK
2			2483.500	71.579	40.906	-2.421	74.000	30.673	PK
3			2484.184	72.889	42.214	-1.111	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

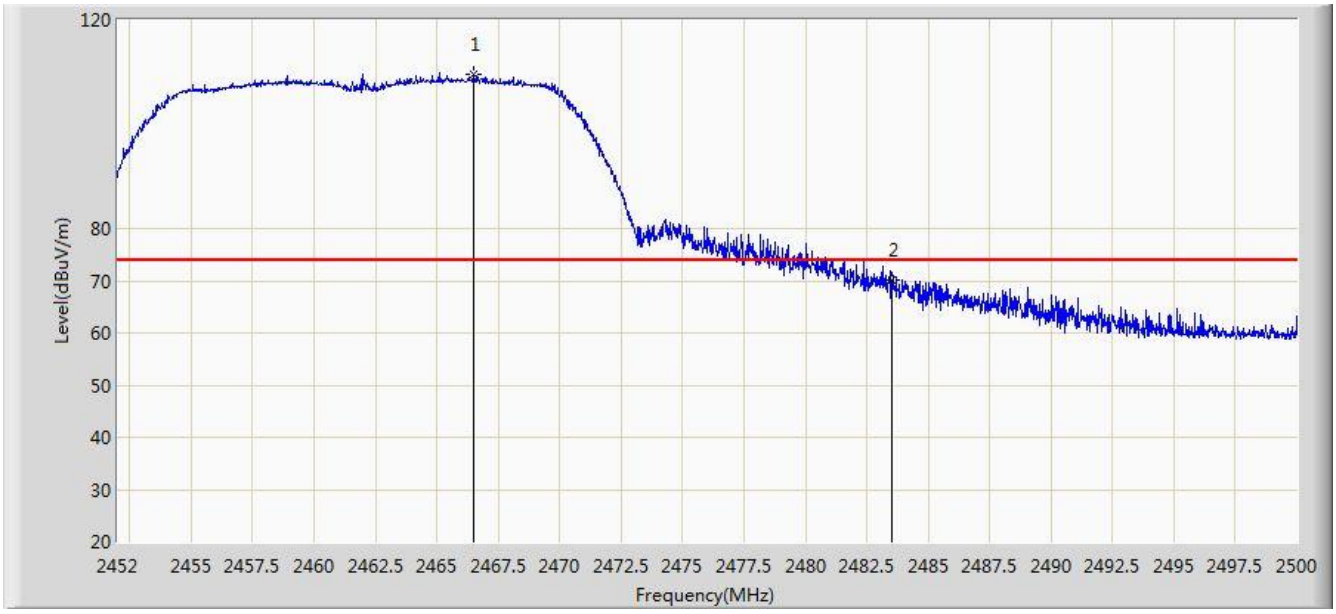


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.776	98.840	68.219	N/A	N/A	30.621	AV
2			2483.500	48.967	18.294	-5.033	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

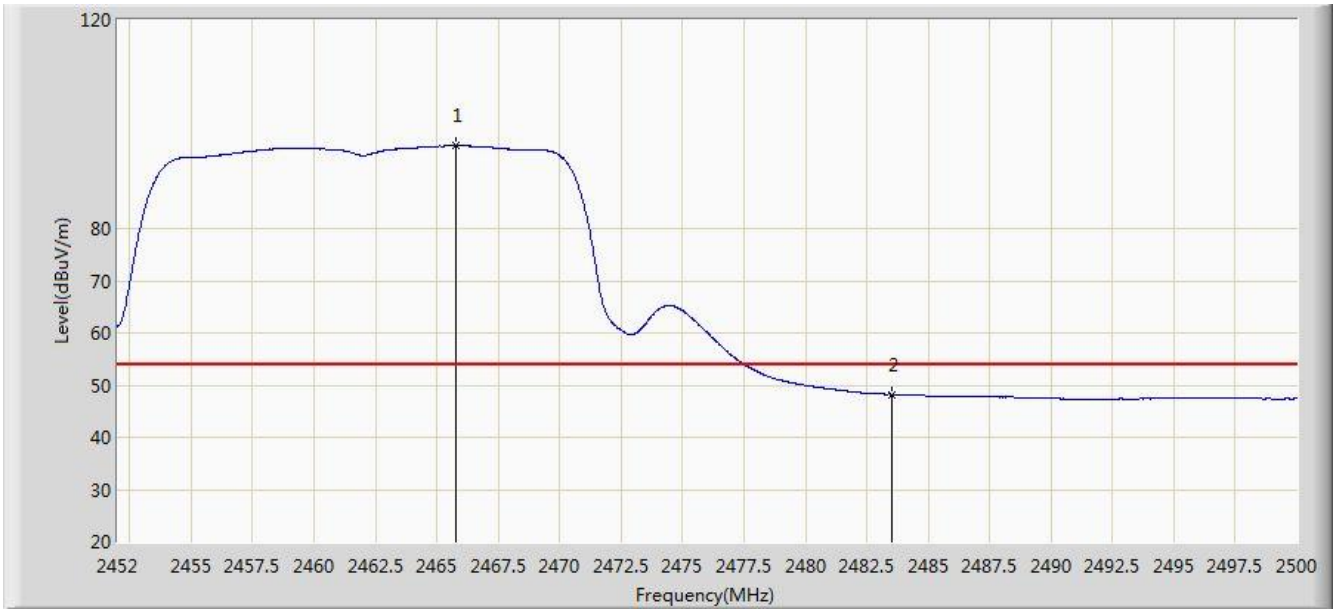


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.520	109.709	79.086	N/A	N/A	30.623	PK
2			2483.500	70.129	39.456	-3.871	74.000	30.673	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

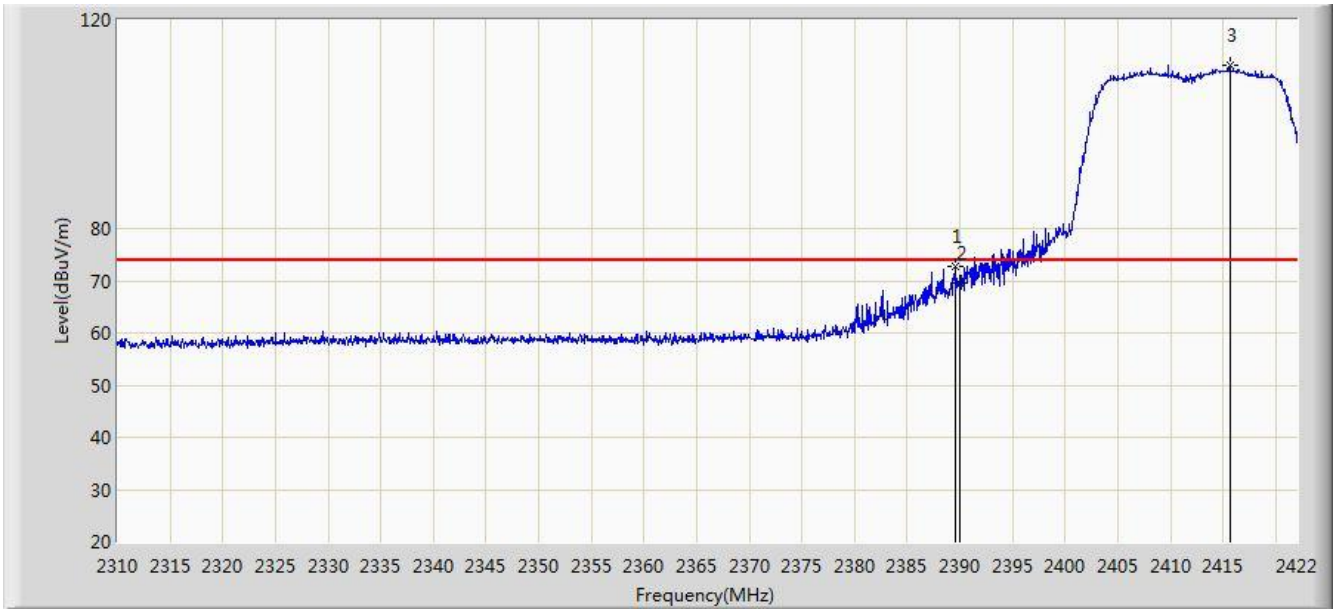


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.776	95.862	65.241	N/A	N/A	30.621	AV
2			2483.500	48.202	17.529	-5.798	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

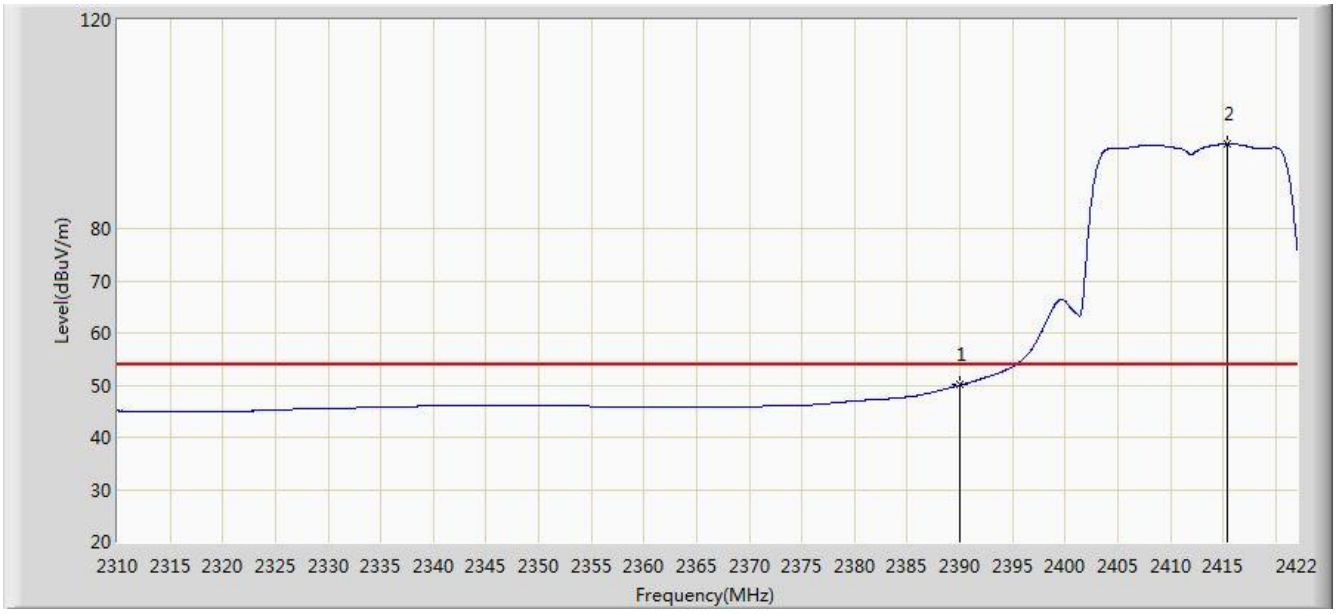


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.520	72.785	42.100	-1.215	74.000	30.685	PK
2			2390.000	69.552	38.868	-4.448	74.000	30.684	PK
3		*	2415.616	111.392	80.753	N/A	N/A	30.639	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

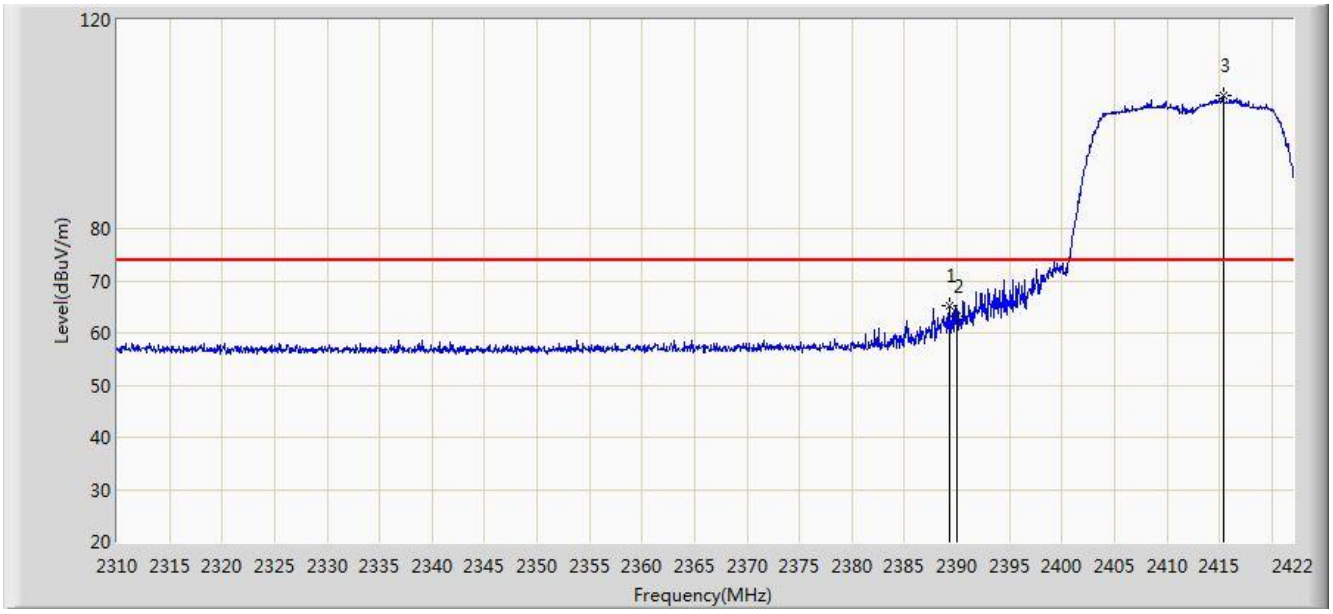


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.042	19.358	-3.958	54.000	30.684	AV
2		*	2415.336	96.286	65.646	N/A	N/A	30.640	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

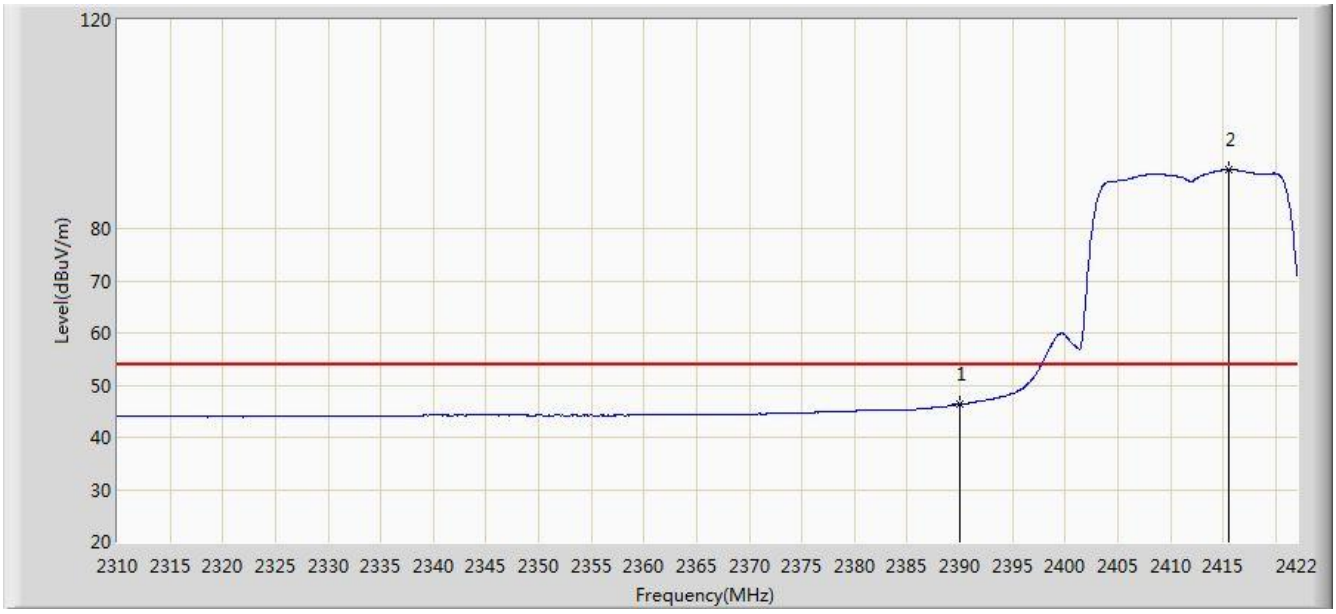


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.240	65.251	34.566	-8.749	74.000	30.686	PK
2			2390.000	63.185	32.501	-10.815	74.000	30.684	PK
3		*	2415.392	105.431	74.792	N/A	N/A	30.640	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

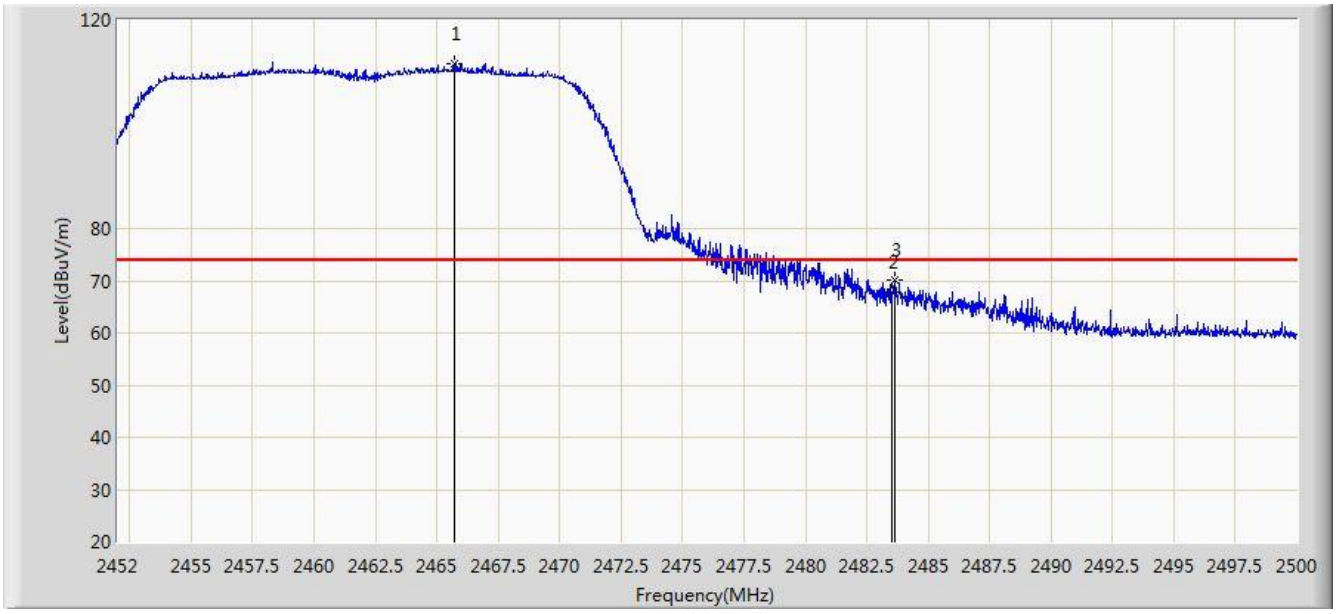


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.322	15.638	-7.678	54.000	30.684	AV
2		*	2415.504	91.276	60.637	N/A	N/A	30.640	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

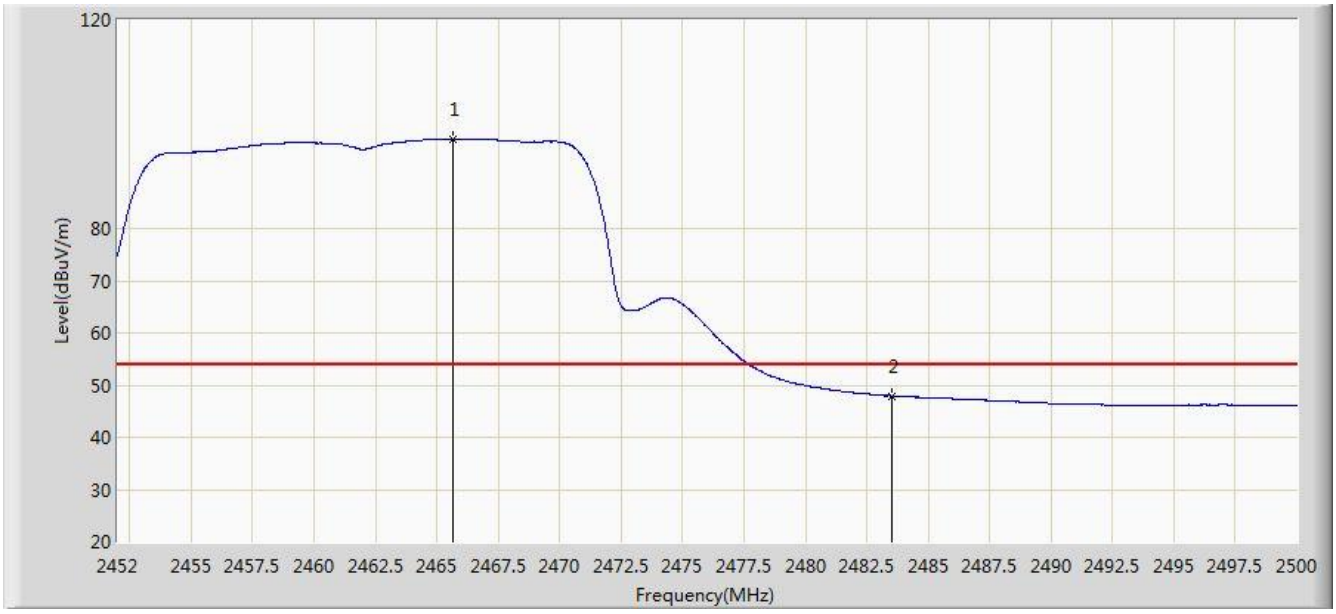


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.704	111.667	81.046	N/A	N/A	30.620	PK
2			2483.500	67.727	37.054	-6.273	74.000	30.673	PK
3			2483.632	70.070	39.397	-3.930	74.000	30.673	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

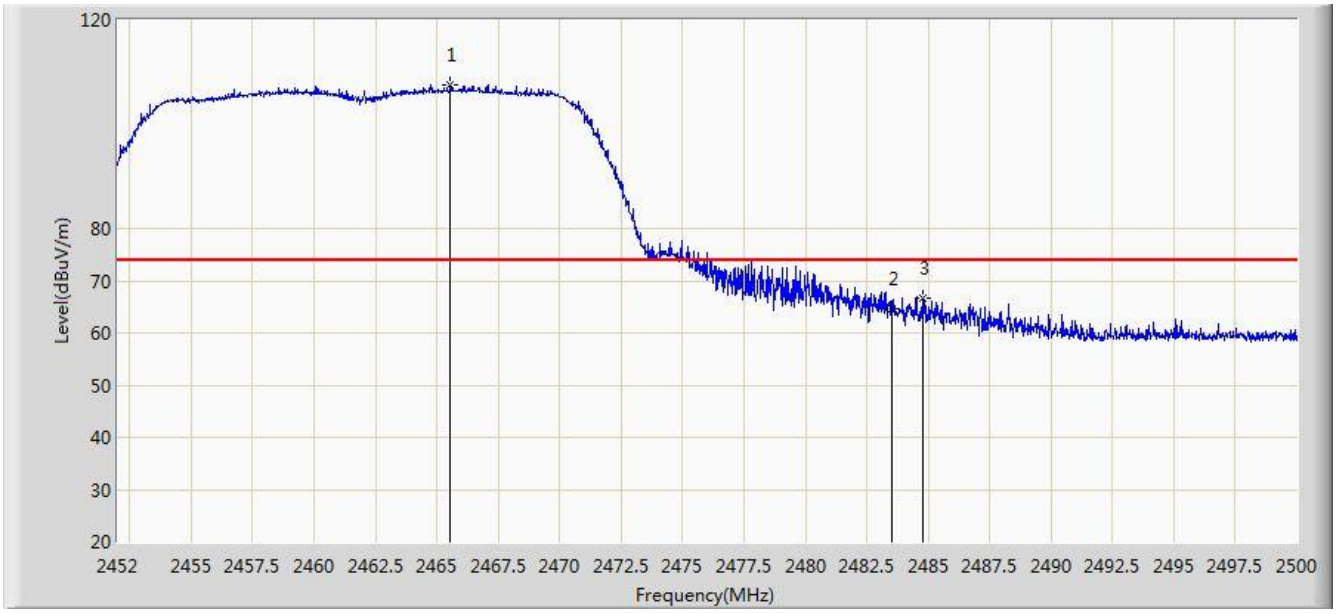


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.632	97.181	66.561	N/A	N/A	30.620	AV
2			2483.500	47.949	17.276	-6.051	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

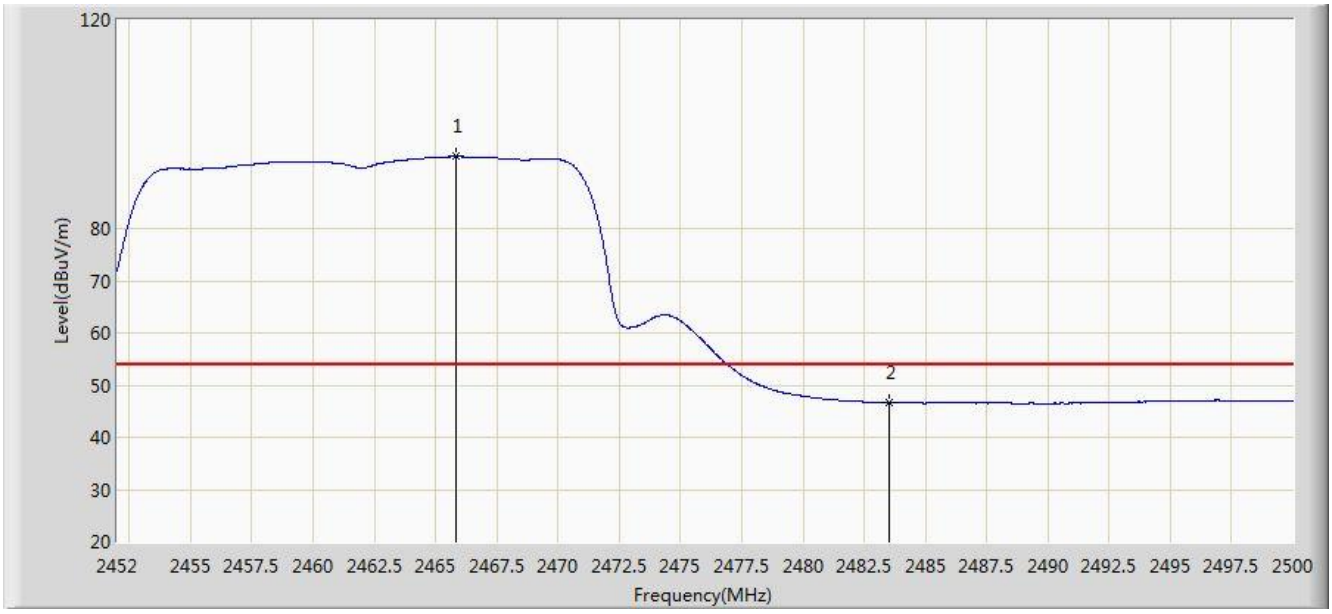


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.536	107.429	76.809	N/A	N/A	30.620	PK
2			2483.500	64.536	33.863	-9.464	74.000	30.673	PK
3			2484.808	66.805	36.129	-7.195	74.000	30.676	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

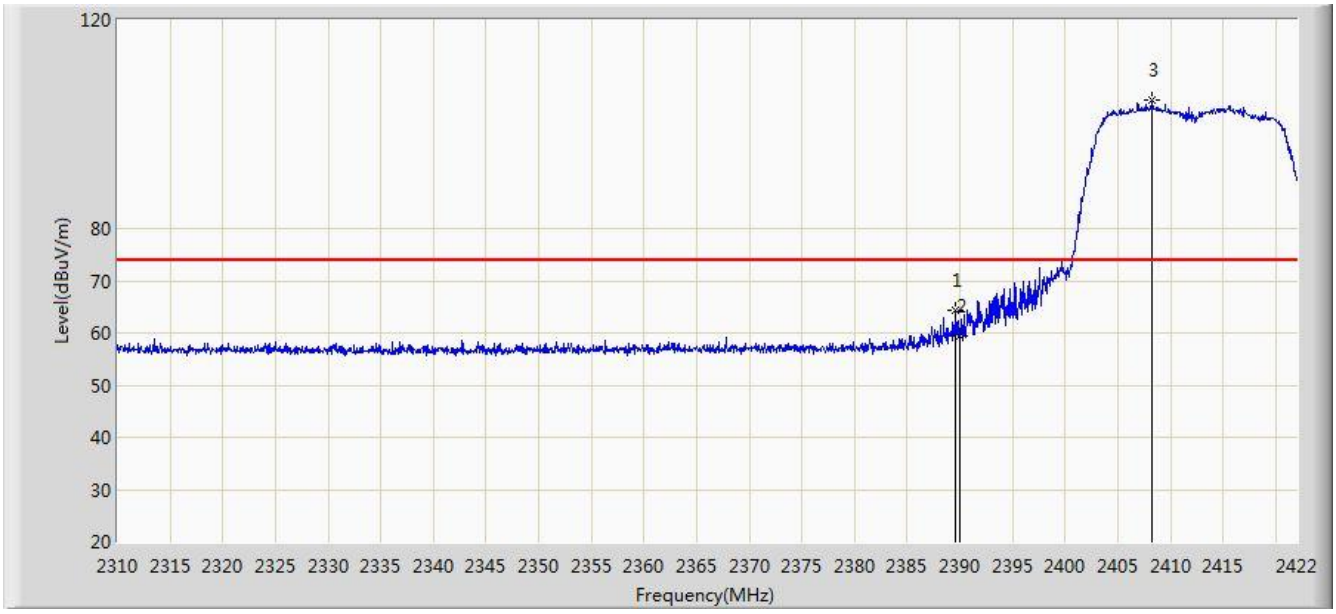


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.848	93.803	63.182	N/A	N/A	30.621	AV
2			2483.500	46.622	15.949	-7.378	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

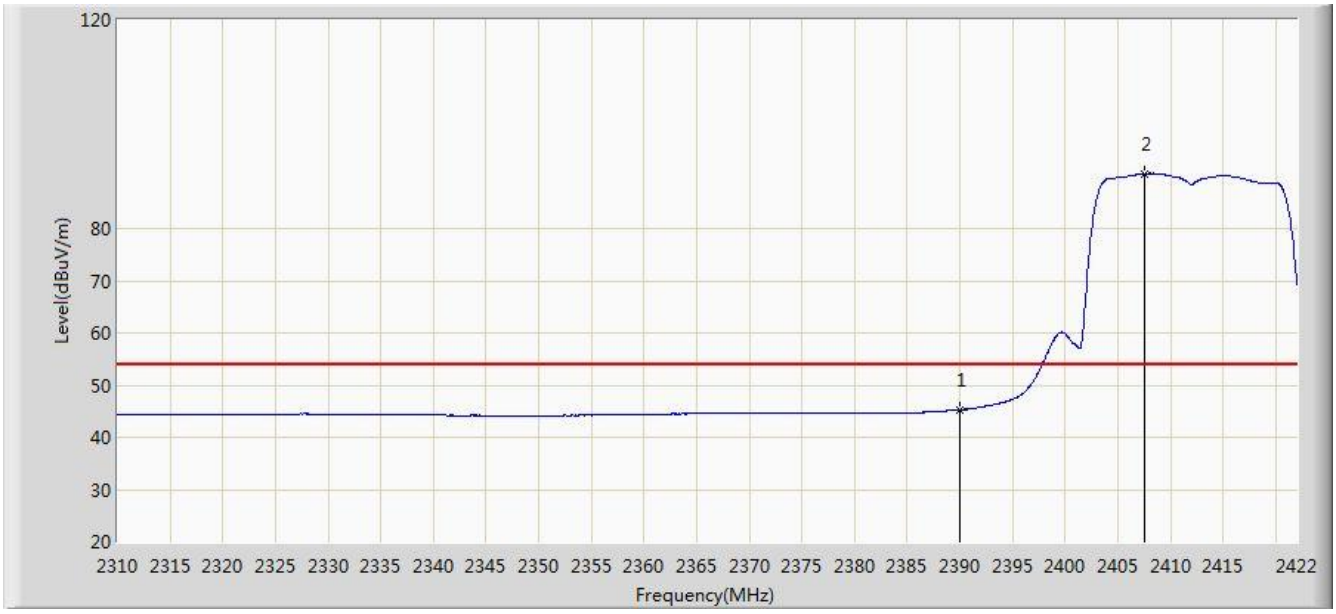


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.632	64.474	33.790	-9.526	74.000	30.685	PK
2			2390.000	59.560	28.876	-14.440	74.000	30.684	PK
3		*	2408.280	104.667	74.016	N/A	N/A	30.651	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 20:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

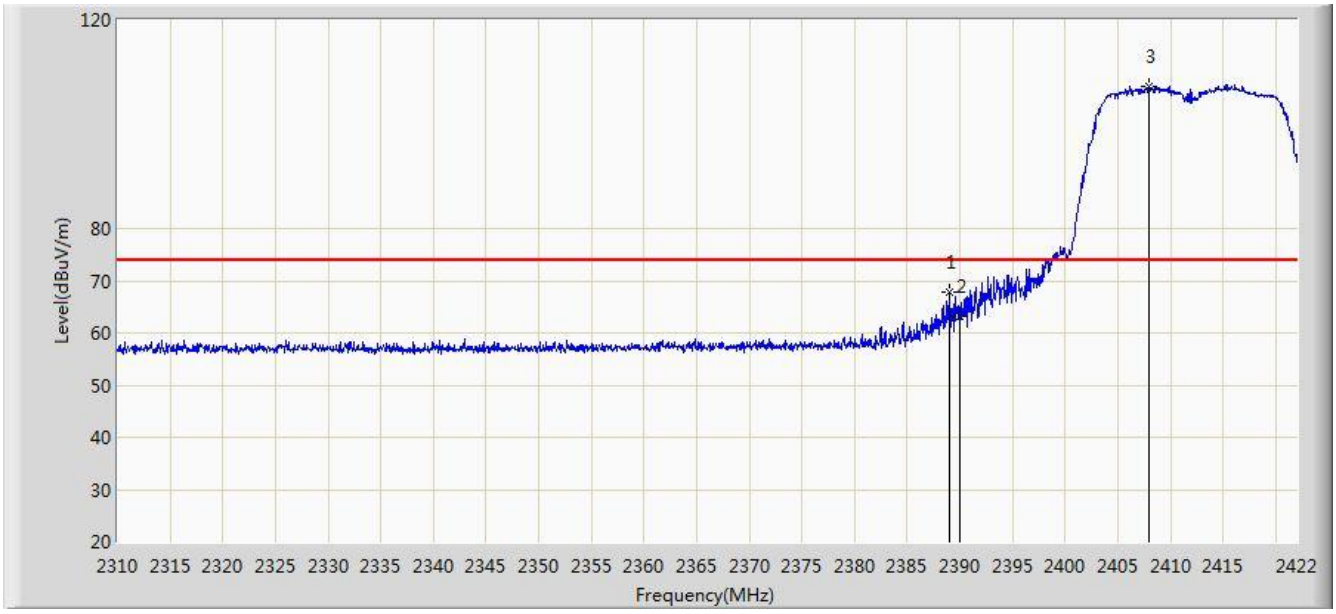


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.270	14.586	-8.730	54.000	30.684	AV
2		*	2407.496	90.536	59.884	N/A	N/A	30.652	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 20:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

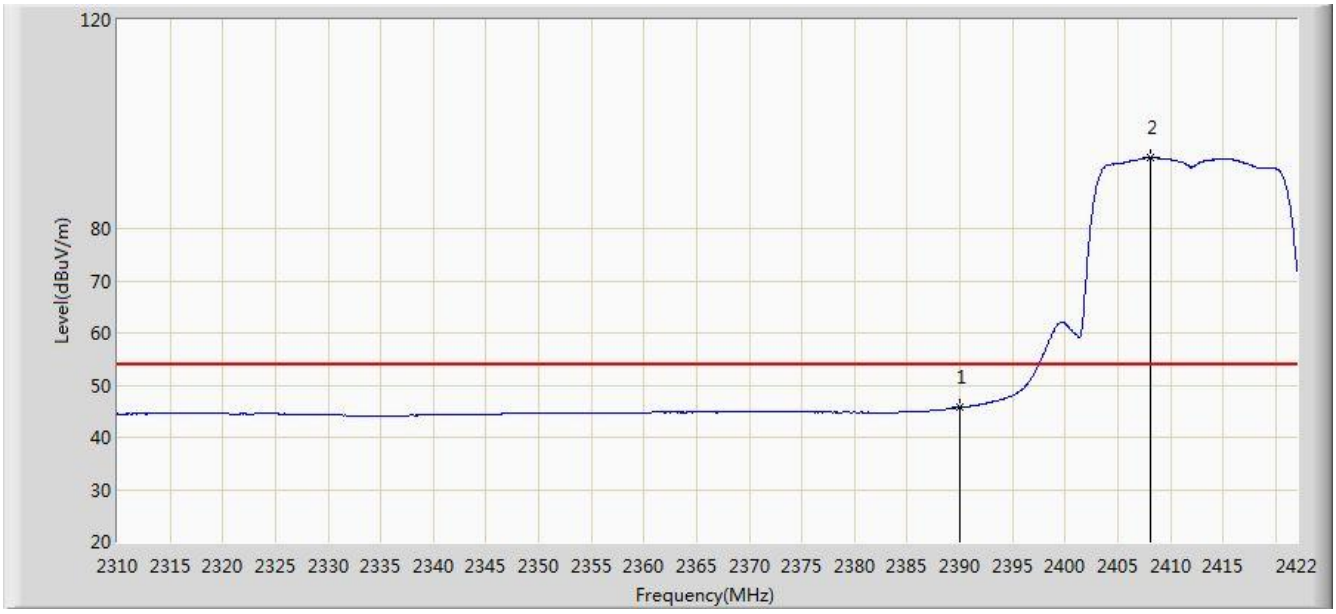


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.960	67.947	37.261	-6.053	74.000	30.686	PK
2			2390.000	63.105	32.421	-10.895	74.000	30.684	PK
3		*	2408.000	107.116	76.465	N/A	N/A	30.652	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

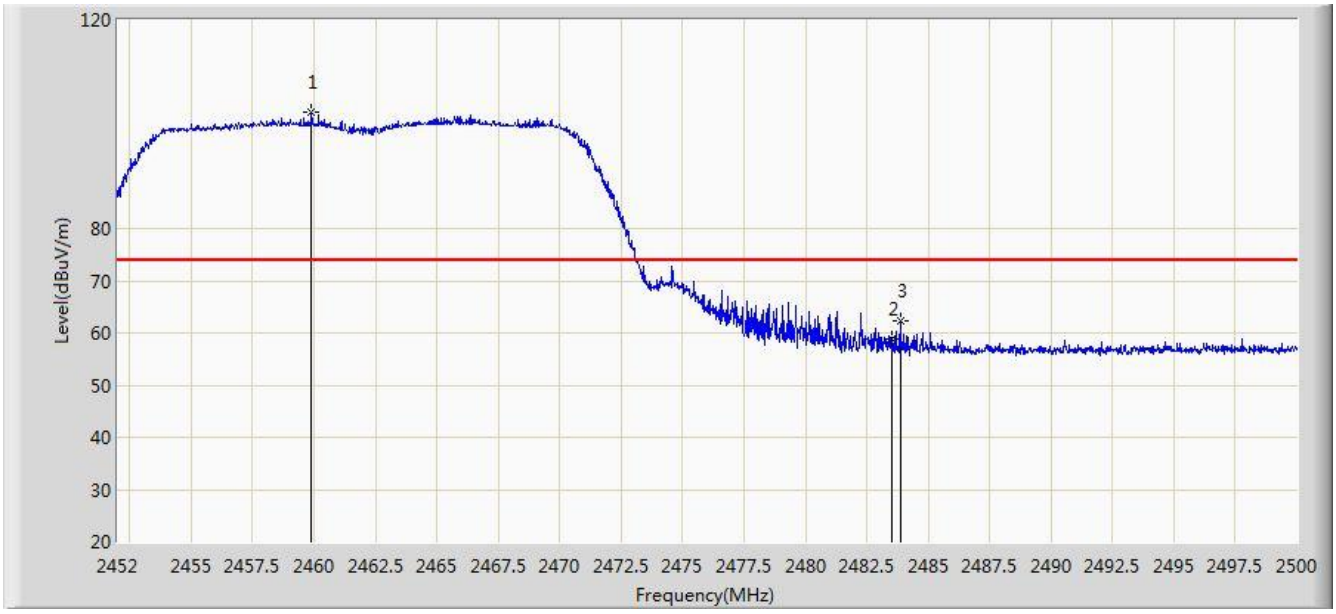


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.743	15.059	-8.257	54.000	30.684	AV
2		*	2408.168	93.578	62.927	N/A	N/A	30.651	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 21:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

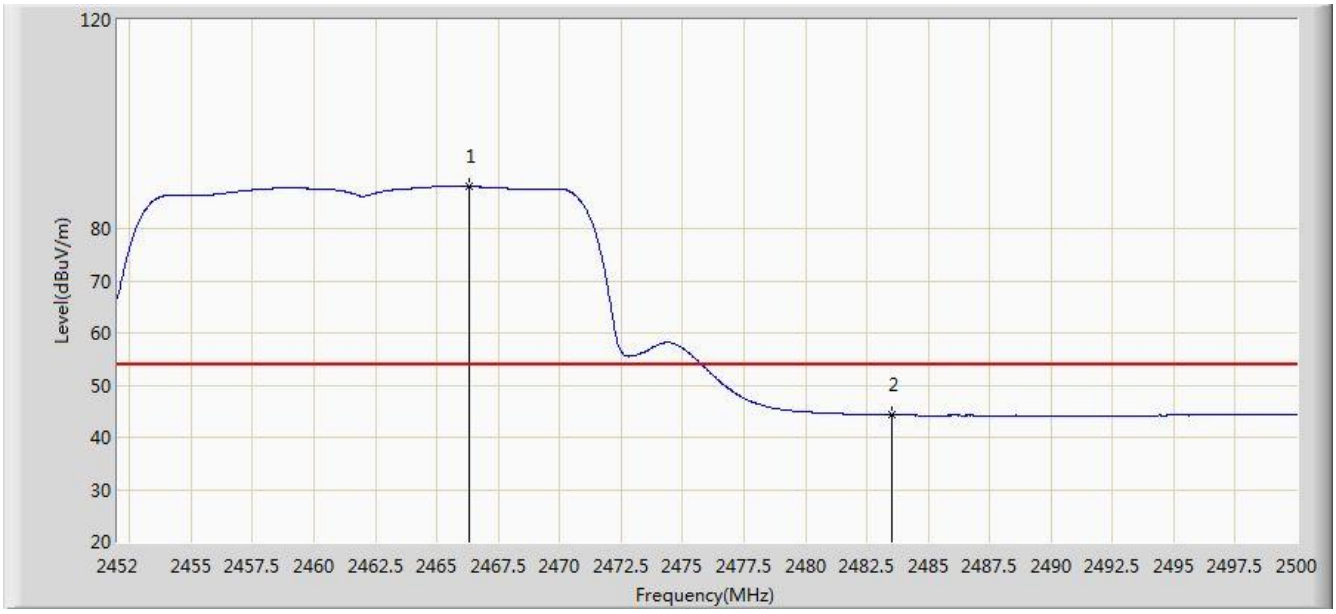


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.896	102.184	71.576	N/A	N/A	30.608	PK
2			2483.500	58.902	28.229	-15.098	74.000	30.673	PK
3			2483.872	62.389	31.715	-11.611	74.000	30.673	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 21:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

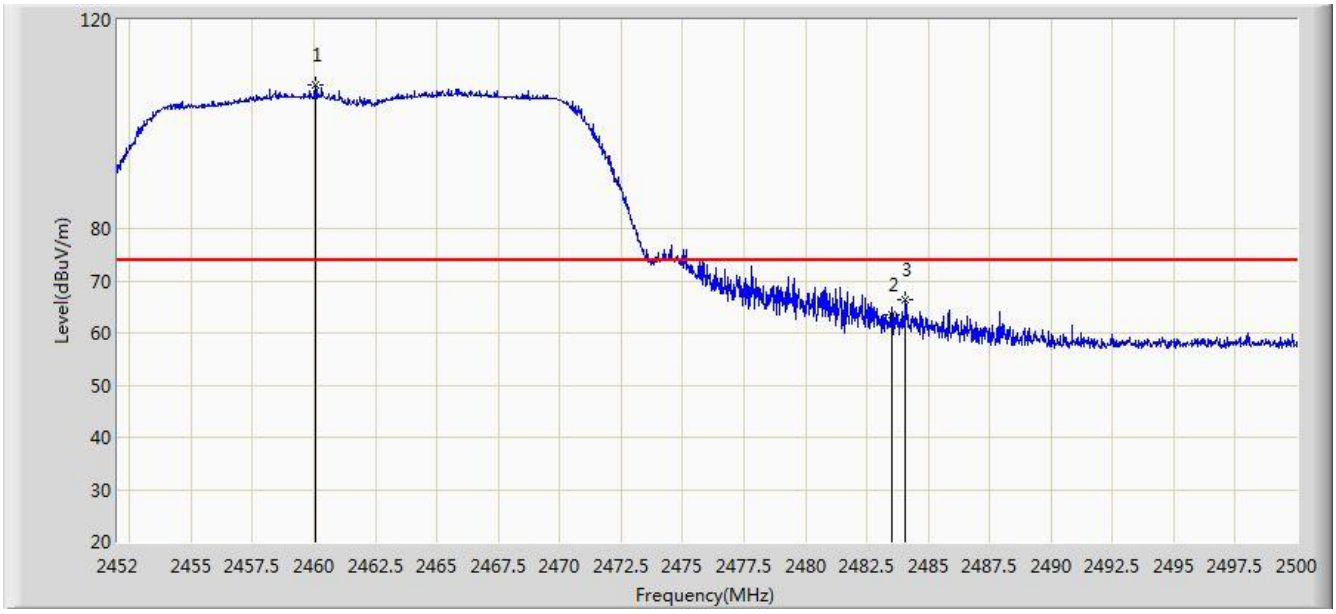


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.304	88.053	57.431	N/A	N/A	30.623	AV
2			2483.500	44.248	13.575	-9.752	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 21:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

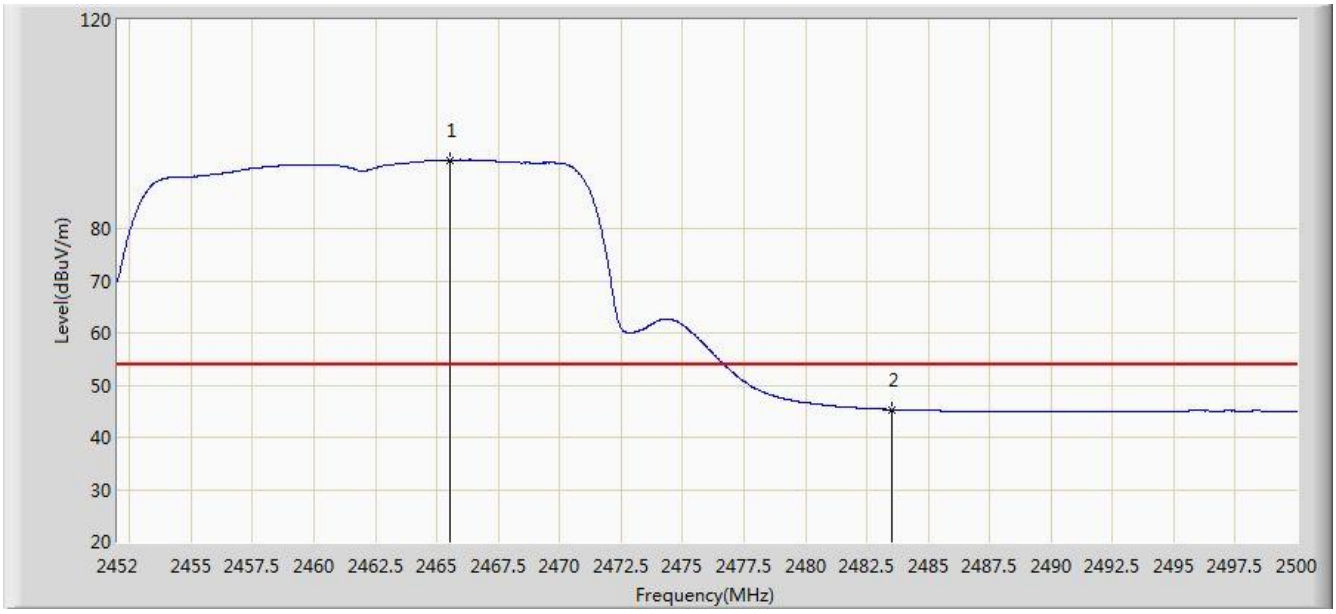


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.040	107.471	76.863	N/A	N/A	30.609	PK
2			2483.500	63.603	32.930	-10.397	74.000	30.673	PK
3			2484.064	66.392	35.718	-7.608	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 21:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

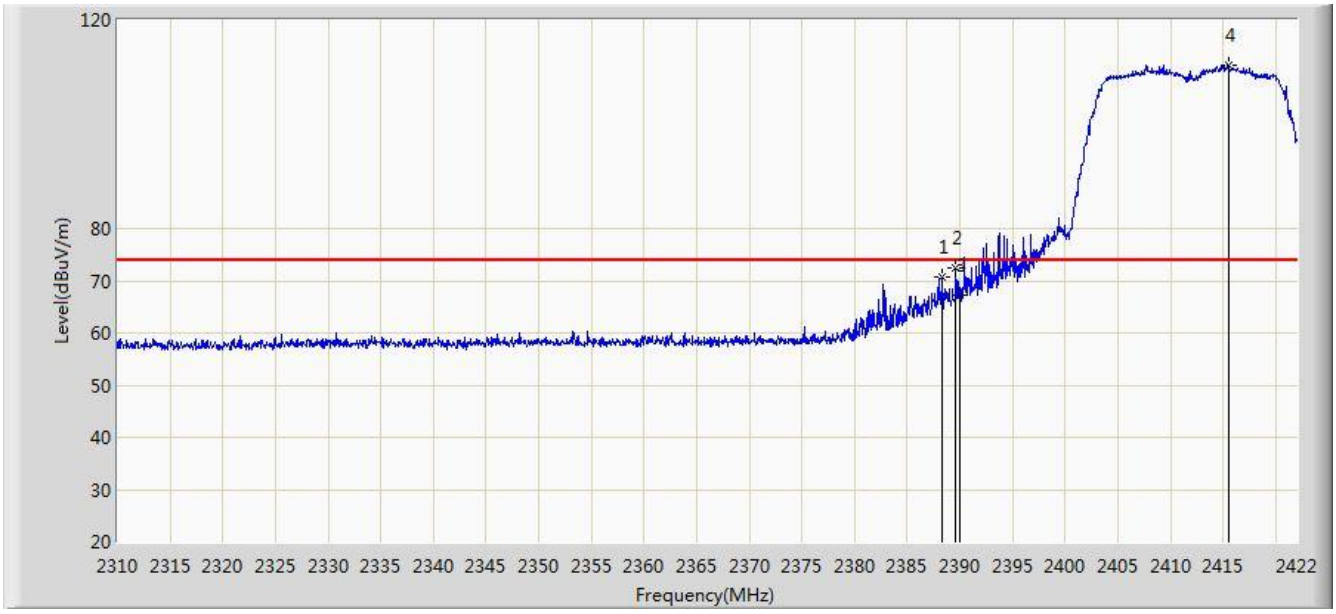


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.560	93.149	62.529	N/A	N/A	30.620	AV
2			2483.500	45.307	14.634	-8.693	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

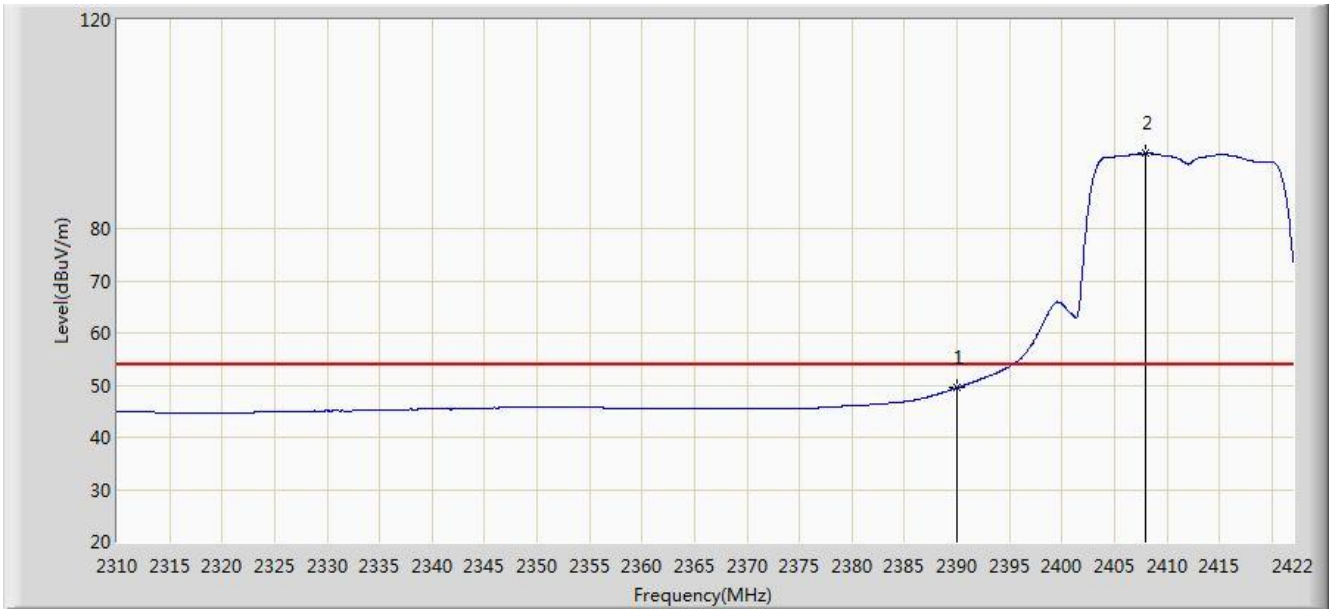


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.344	70.623	39.936	-3.377	74.000	30.687	PK
2			2389.632	72.382	41.698	-1.618	74.000	30.685	PK
3			2390.000	67.123	36.439	-6.877	74.000	30.684	PK
4		*	2415.560	111.247	80.608	N/A	N/A	30.639	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

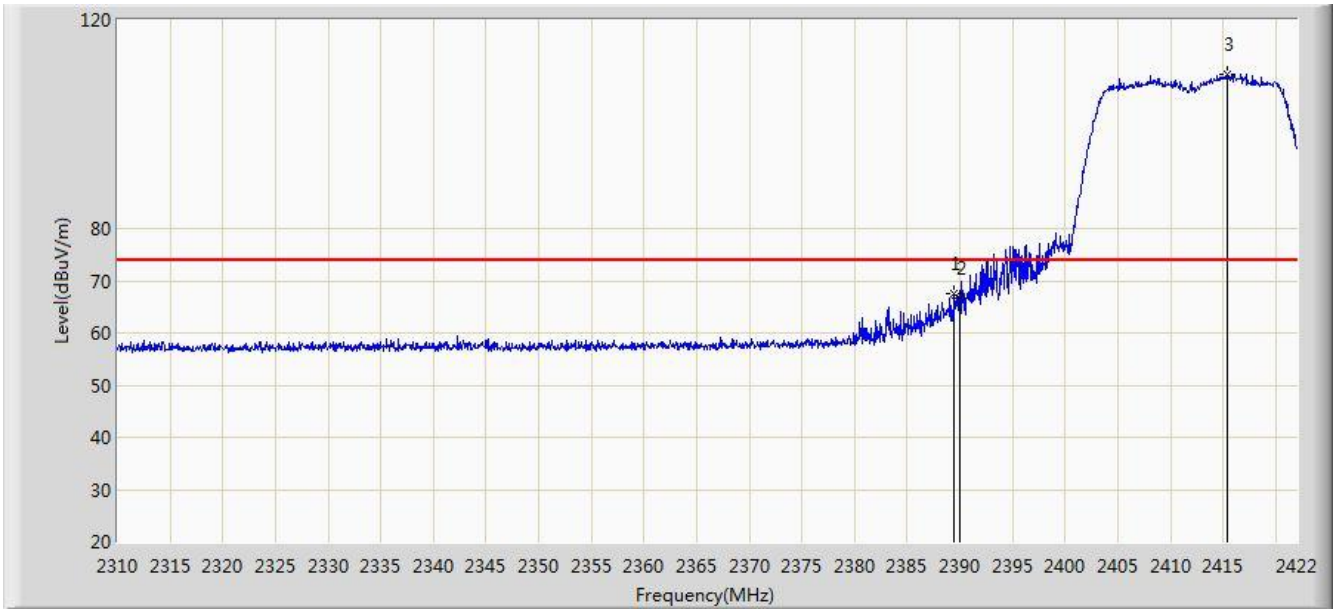


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.473	18.789	-4.527	54.000	30.684	AV
2		*	2408.000	94.399	63.748	N/A	N/A	30.652	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

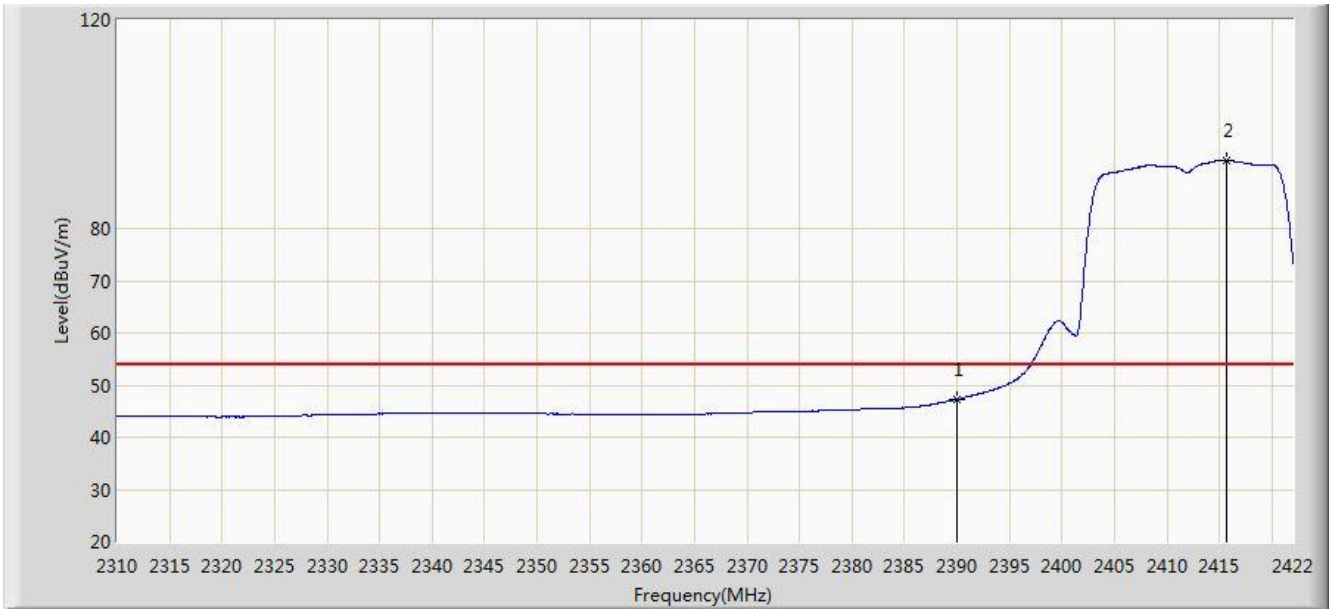


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.464	67.659	36.974	-6.341	74.000	30.685	PK
2			2390.000	66.547	35.863	-7.453	74.000	30.684	PK
3		*	2415.336	109.496	78.856	N/A	N/A	30.640	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0+1	

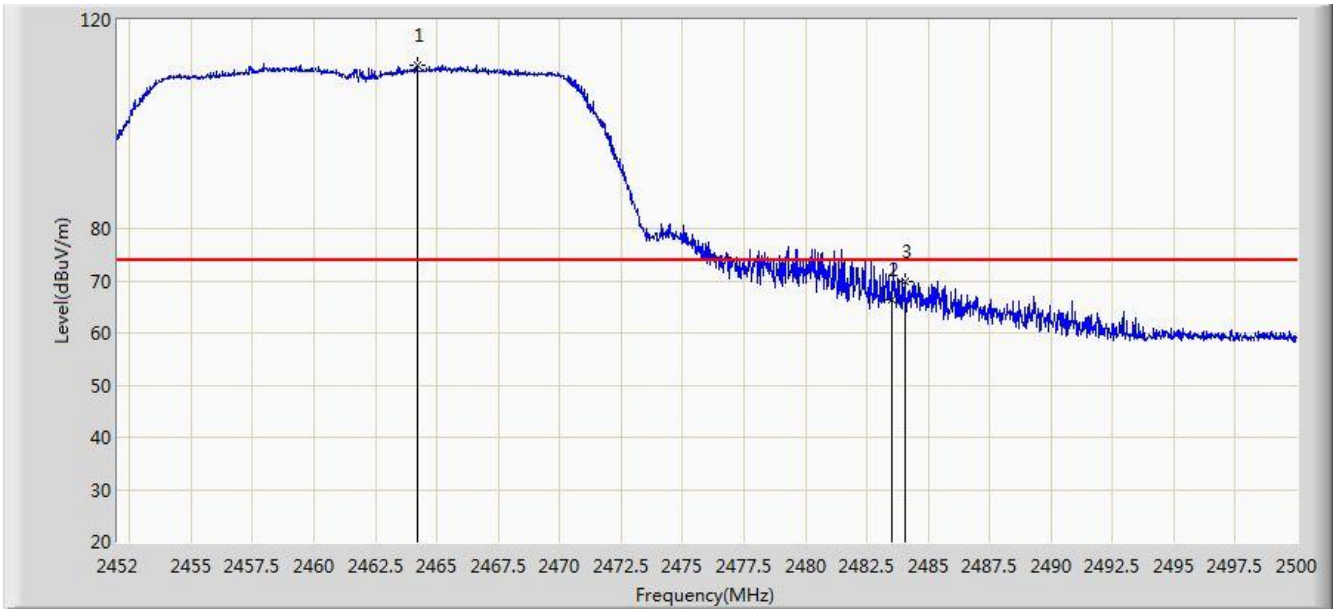


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.283	16.599	-6.717	54.000	30.684	AV
2		*	2415.672	93.109	62.470	N/A	N/A	30.639	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

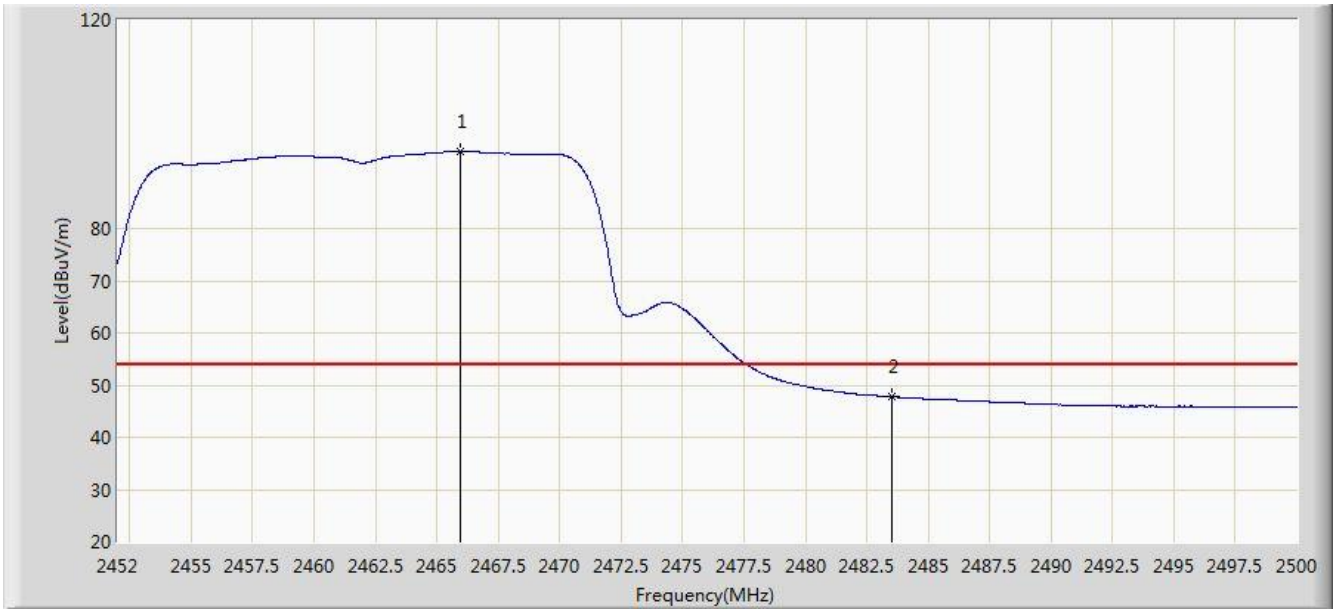


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.192	111.192	80.576	N/A	N/A	30.616	PK
2			2483.500	66.252	35.579	-7.748	74.000	30.673	PK
3			2484.064	69.874	39.200	-4.126	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 18:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

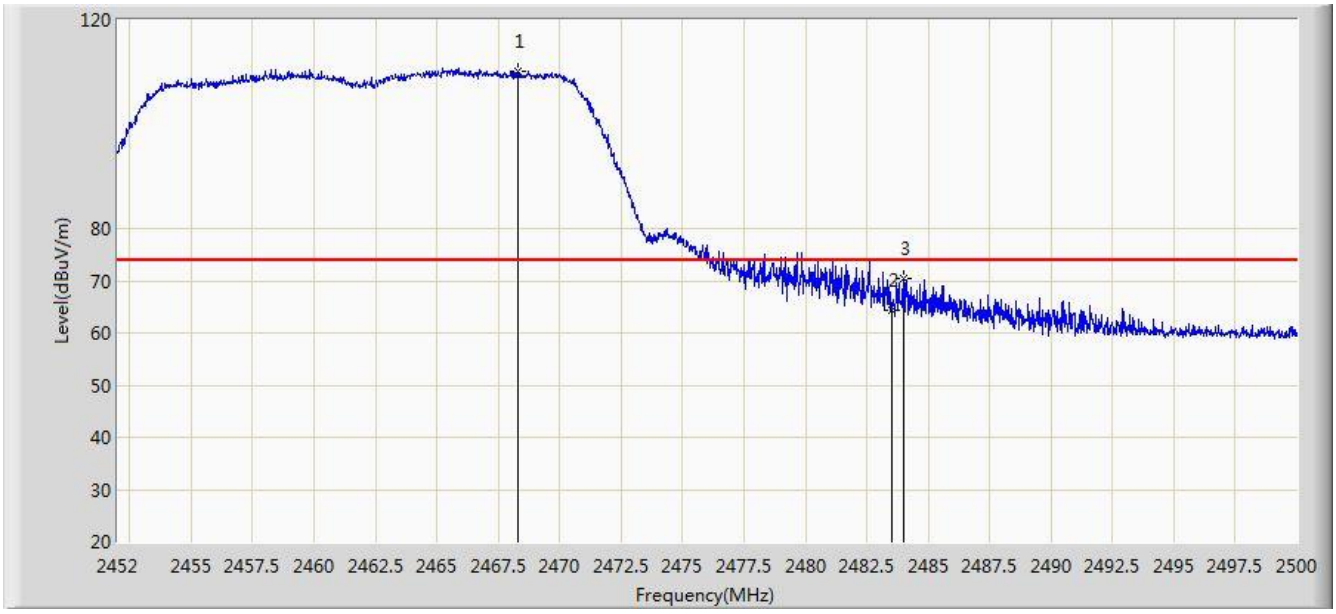


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.944	94.722	64.101	N/A	N/A	30.621	AV
2			2483.500	47.721	17.048	-6.279	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 18:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

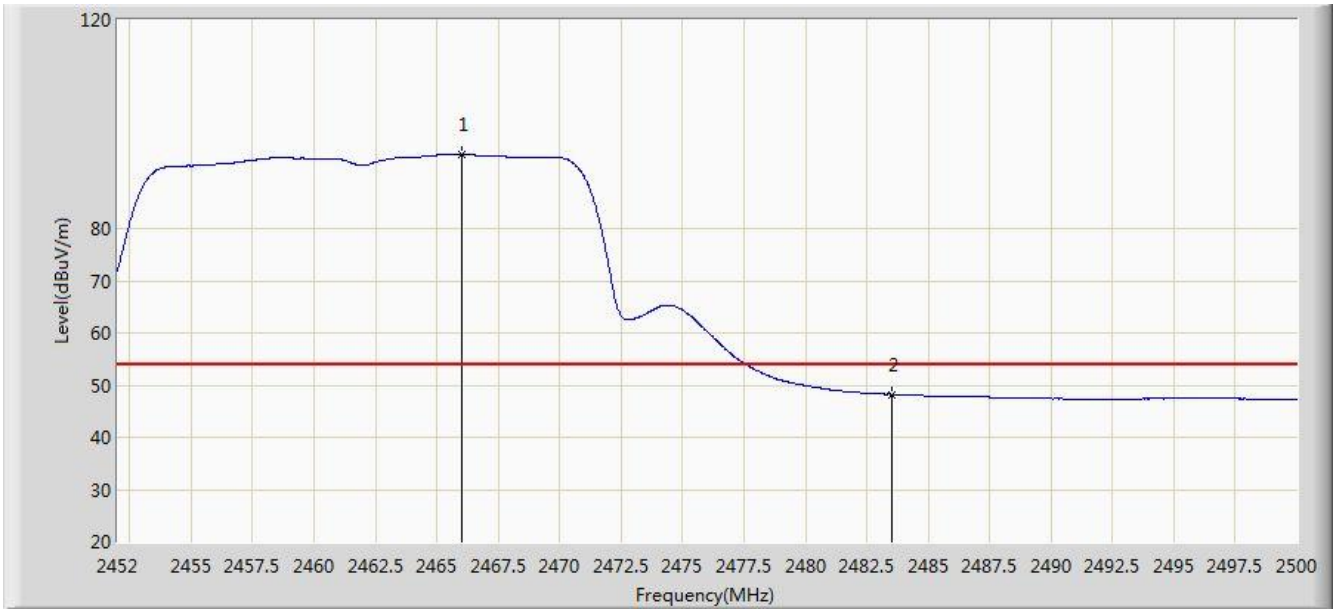


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.272	110.264	79.636	N/A	N/A	30.628	PK
2			2483.500	64.453	33.780	-9.547	74.000	30.673	PK
3			2484.016	70.493	39.819	-3.507	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 18:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0+1	

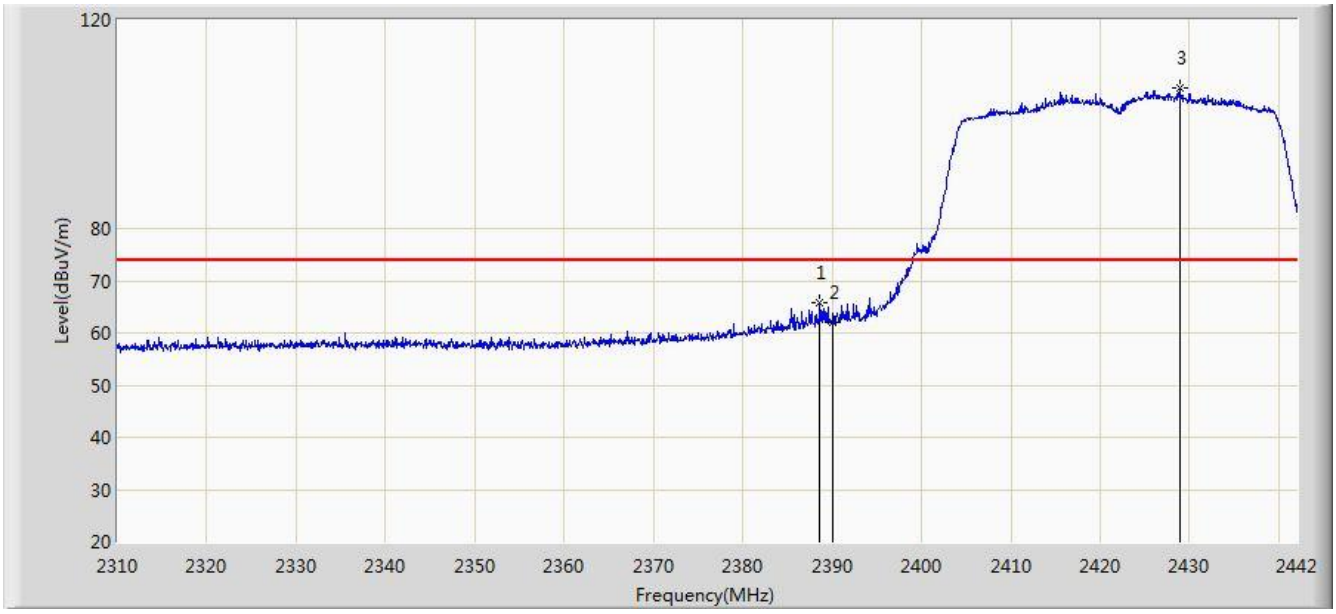


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.016	94.233	63.612	N/A	N/A	30.621	AV
2			2483.500	48.229	17.556	-5.771	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

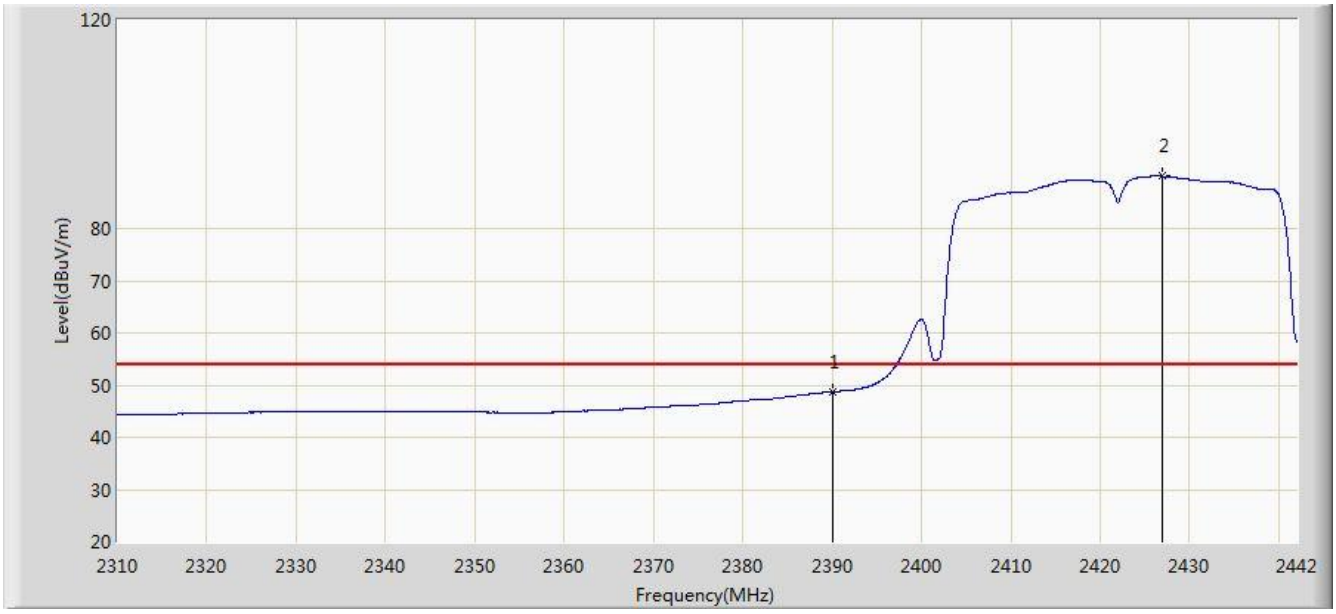


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.606	65.703	35.016	-8.297	74.000	30.686	PK
2			2390.000	61.954	31.270	-12.046	74.000	30.684	PK
3		*	2428.866	106.896	76.278	N/A	N/A	30.619	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

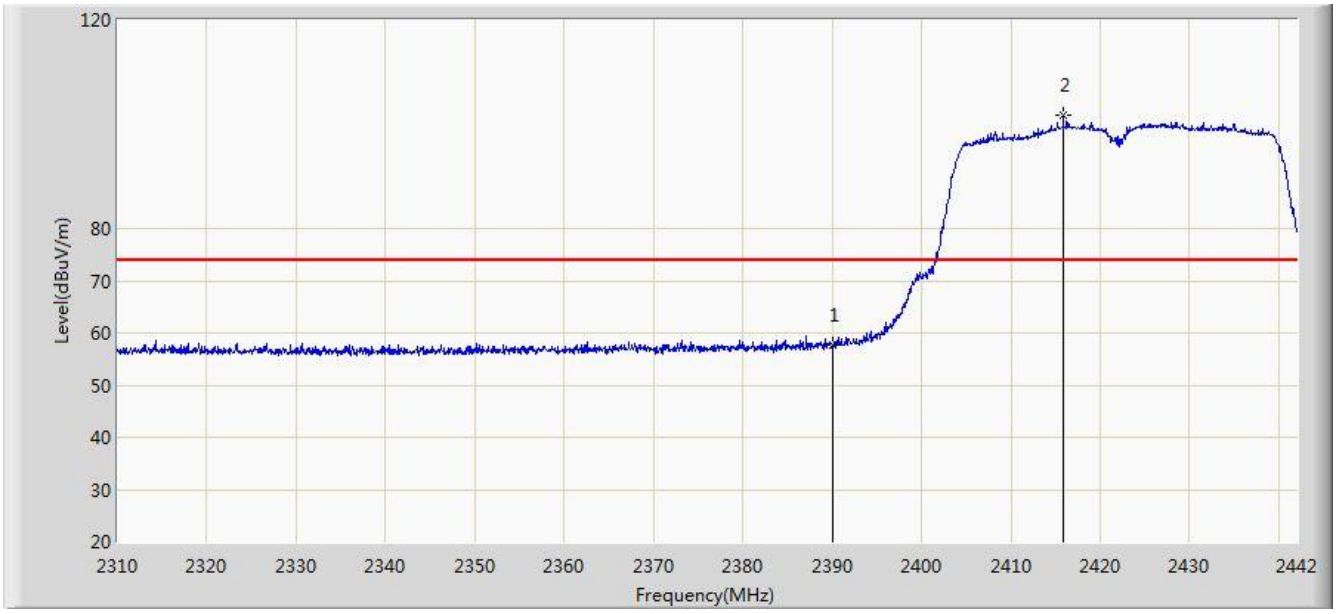


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.737	18.053	-5.263	54.000	30.684	AV
2		*	2426.952	90.042	59.420	N/A	N/A	30.621	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

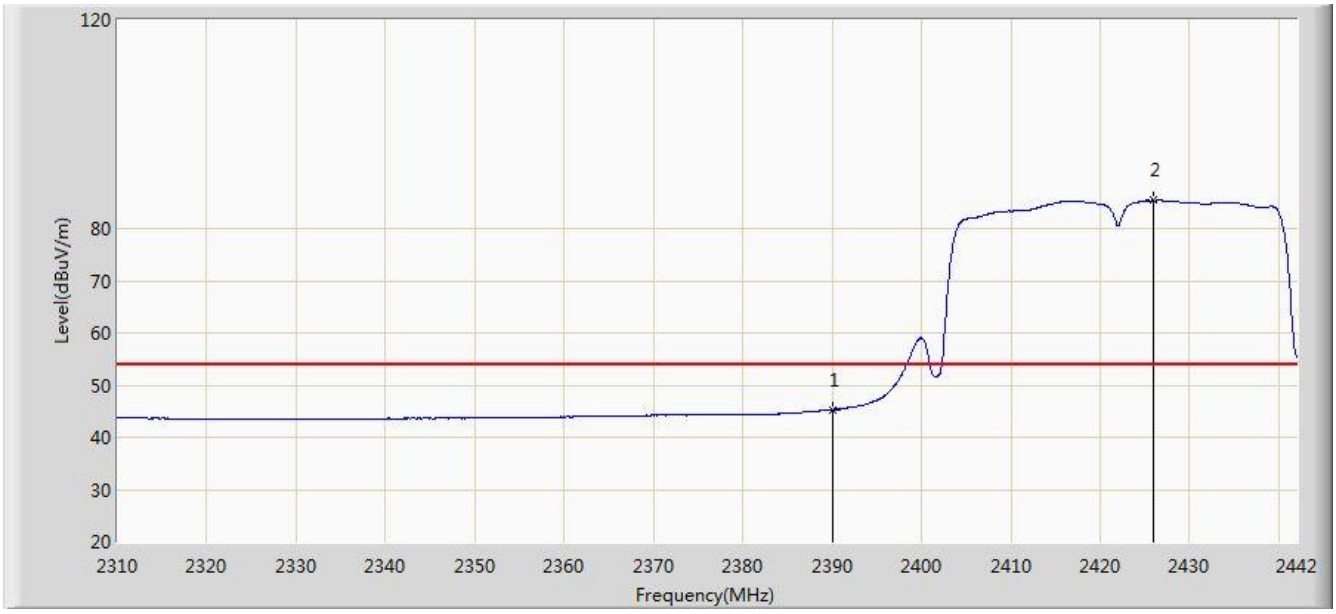


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.650	26.966	-16.350	74.000	30.684	PK
2		*	2415.864	101.771	71.132	N/A	N/A	30.639	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

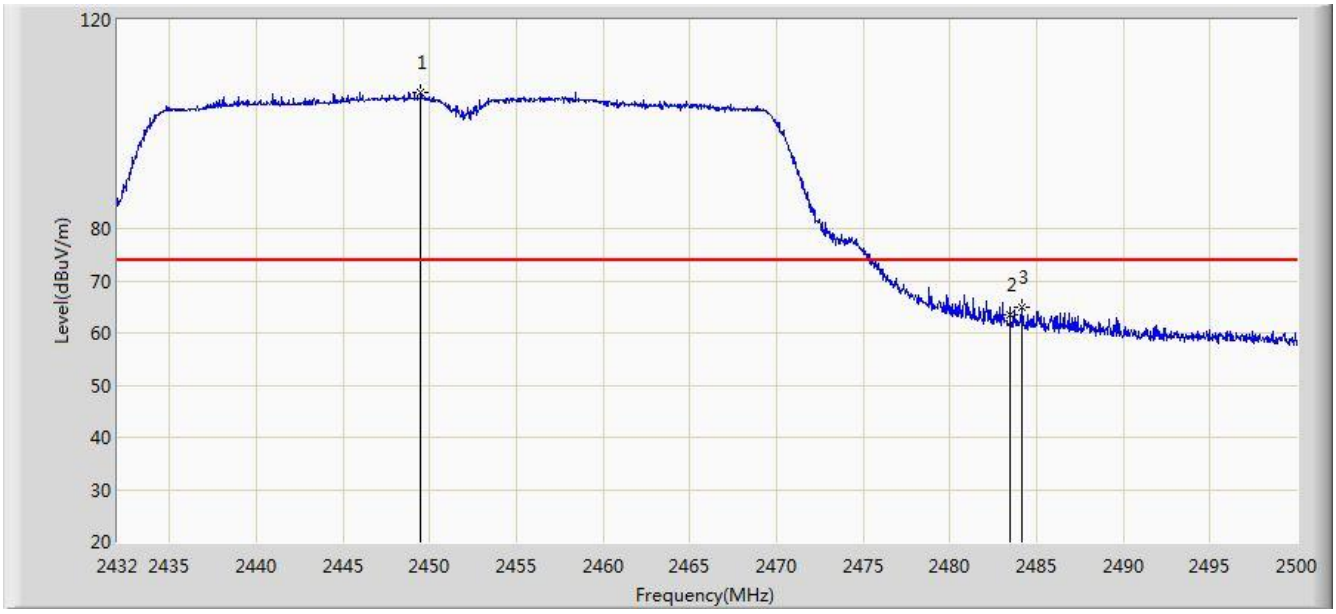


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.319	14.635	-8.681	54.000	30.684	AV
2		*	2426.028	85.380	54.757	N/A	N/A	30.623	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

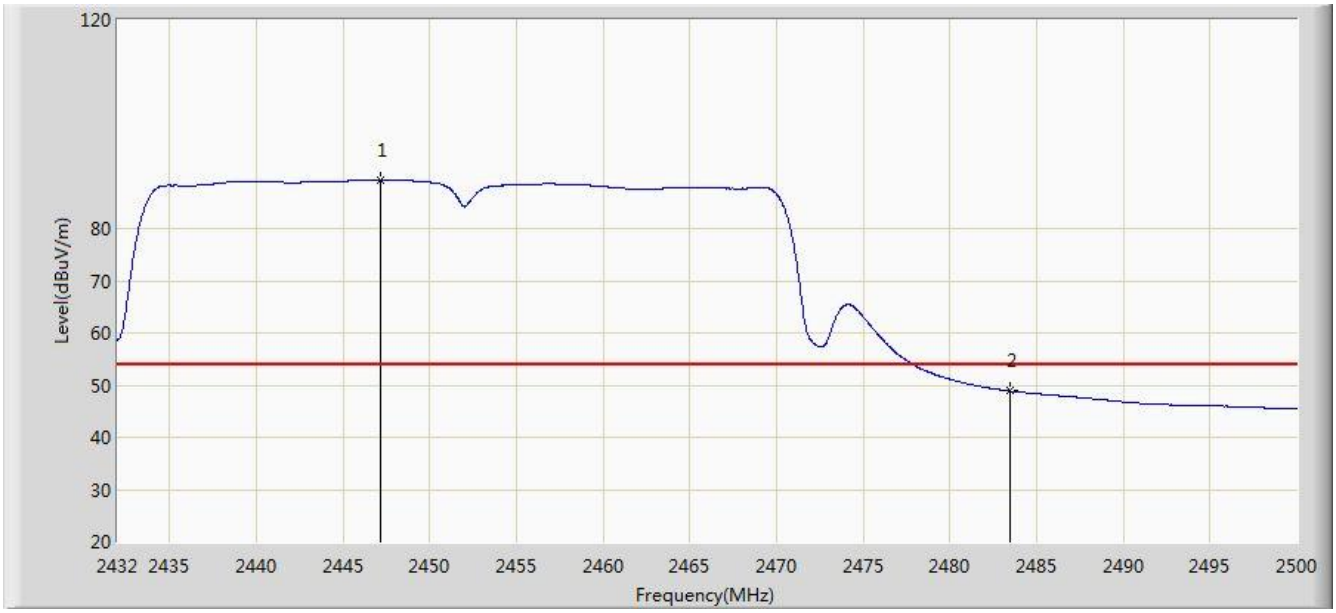


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.476	106.207	75.614	N/A	N/A	30.593	PK
2			2483.500	63.527	32.854	-10.473	74.000	30.673	PK
3			2484.122	65.061	34.387	-8.939	74.000	30.675	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

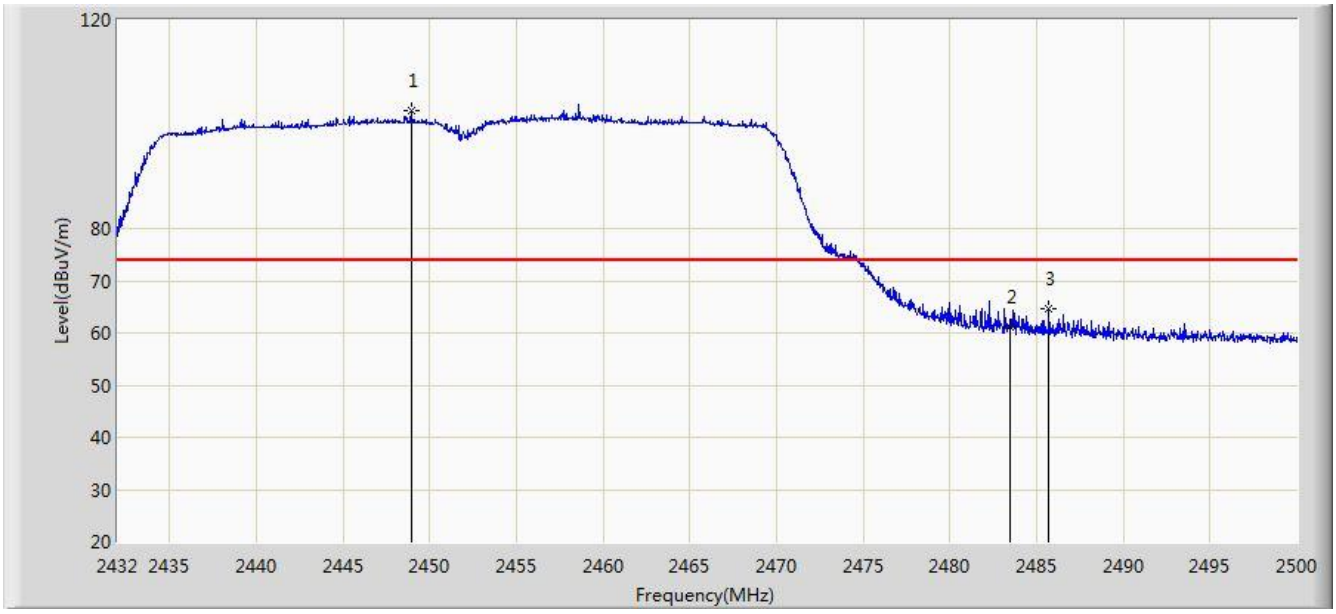


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2447.198	89.305	58.716	N/A	N/A	30.589	AV
2			2483.500	48.852	18.179	-5.148	54.000	30.673	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/13 - 17:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2448.932	102.472	71.880	N/A	N/A	30.592	PK
2			2483.500	61.248	30.575	-12.752	74.000	30.673	PK
3			2485.720	64.750	34.071	-9.250	74.000	30.680	PK

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

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