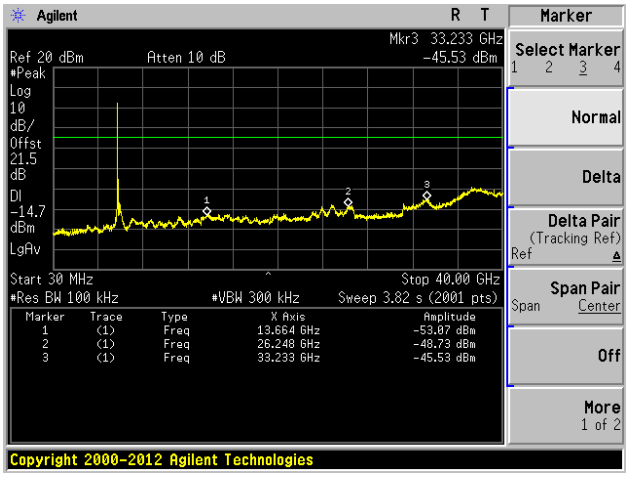
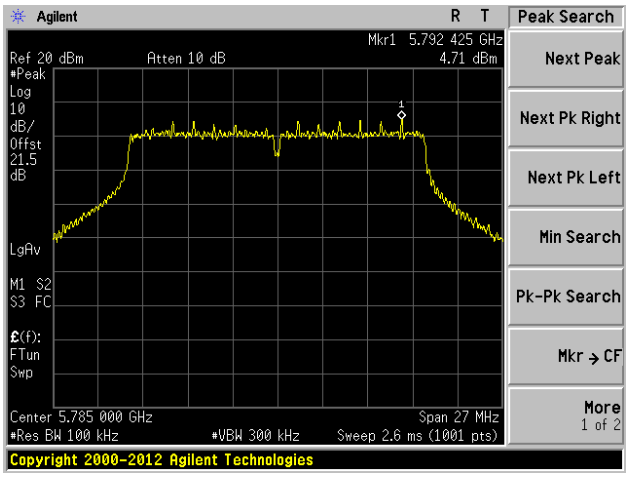
Spurious Emission 30MHz ~ 40GHz

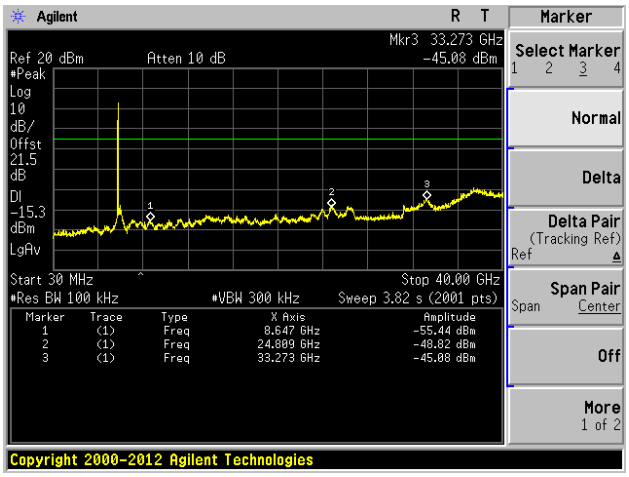


Channel 157 (5785MHz)

100kHz PSD Reference Level

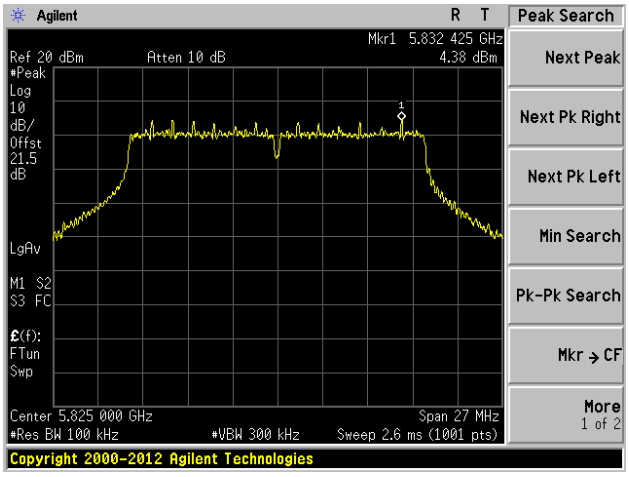


Spurious Emission 30MHz ~ 40GHz

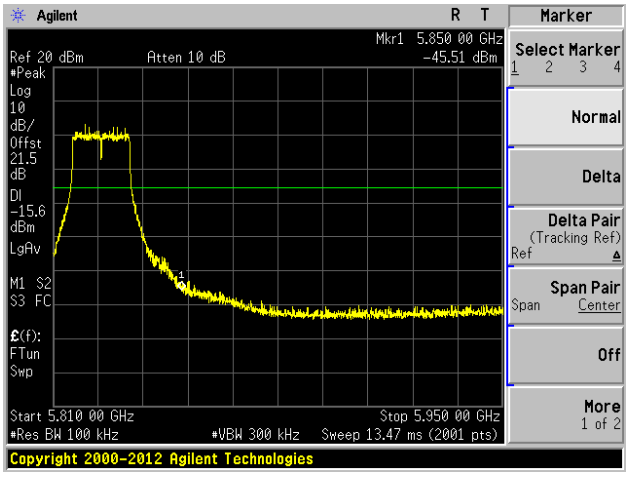


Channel 165 (5825MHz)

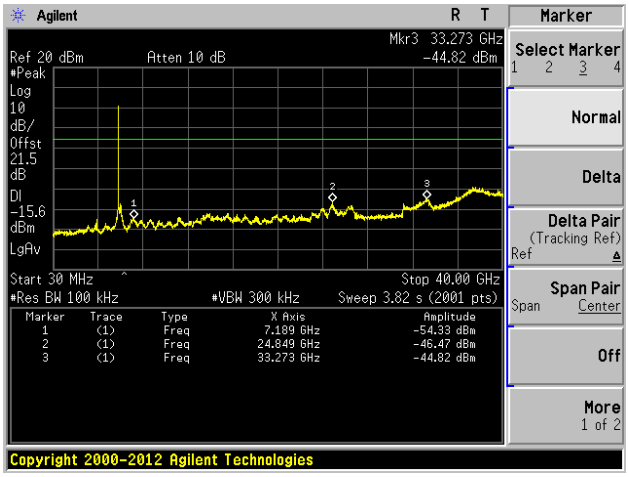
100kHz PSD Reference Level



High Band Edge



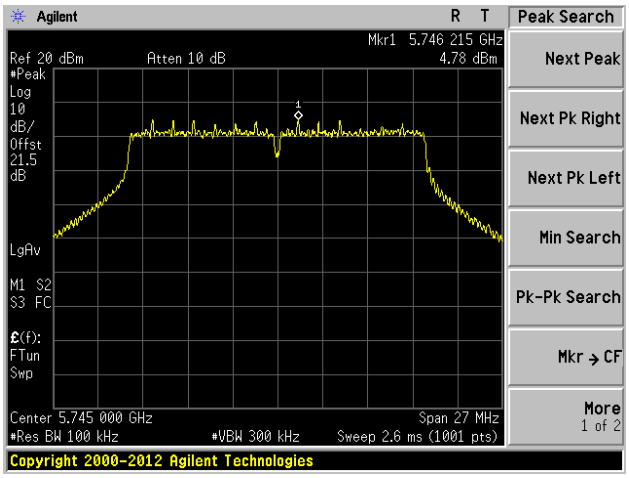
Spurious Emission 30MHz ~ 40GHz



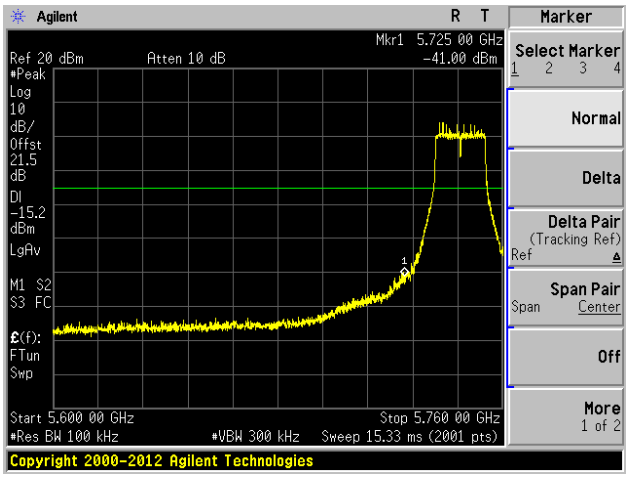
802.11ac-VHT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 149 (5745MHz)

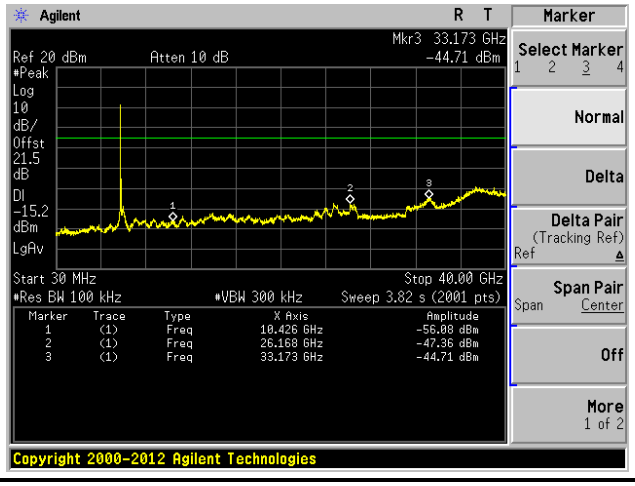
100kHz PSD Reference Level



Low Band Edge

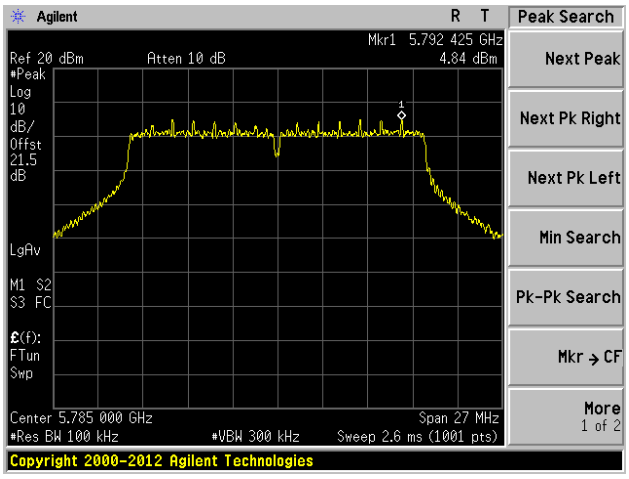


Spurious Emission 30MHz ~ 40GHz

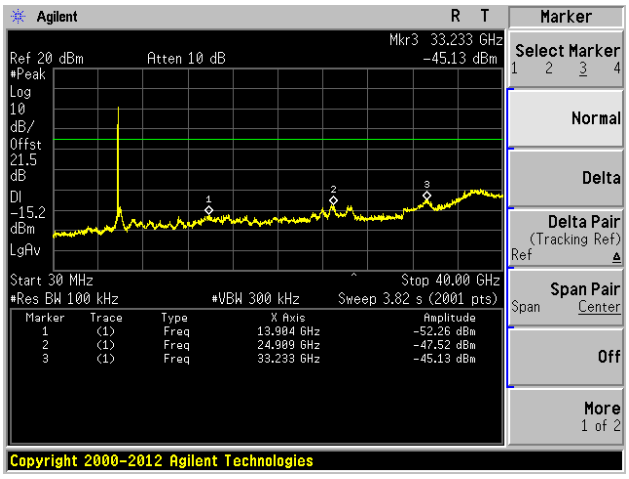


Channel 157 (5785MHz)

100kHz PSD Reference Level

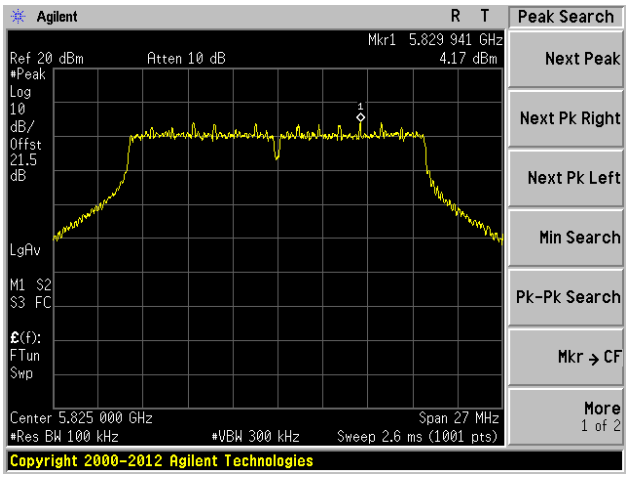


Spurious Emission 30MHz ~ 40GHz

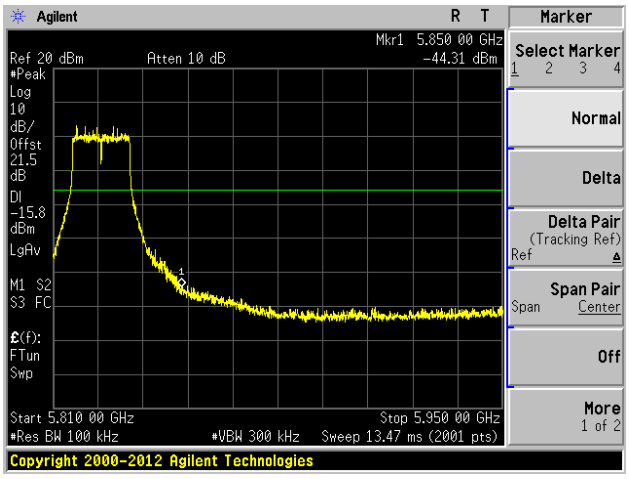


Channel 165 (5825MHz)

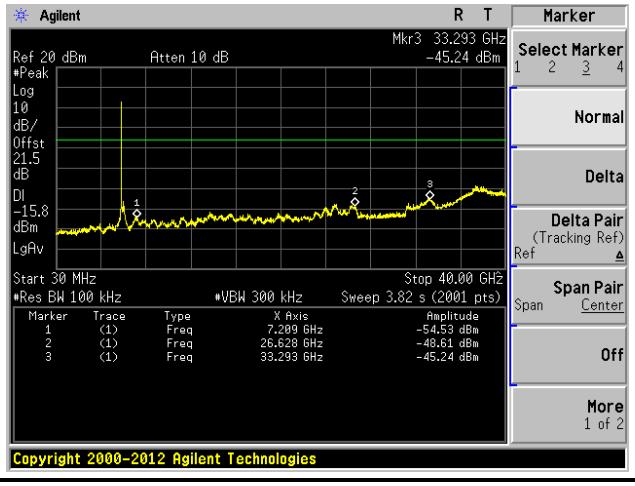
100kHz PSD Reference Level



High Band Edge



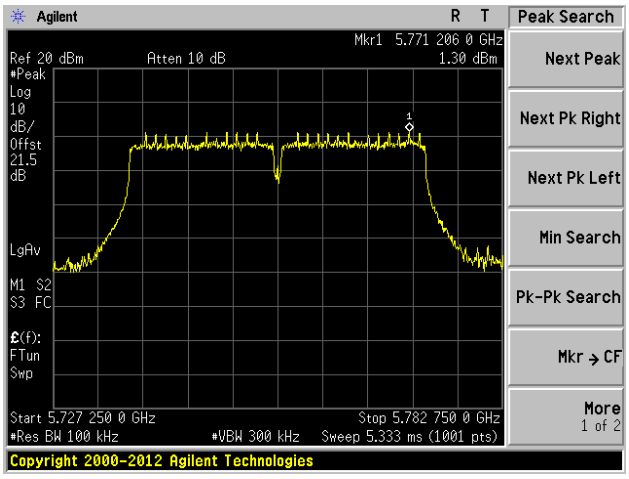
Spurious Emission 30MHz ~ 40GHz



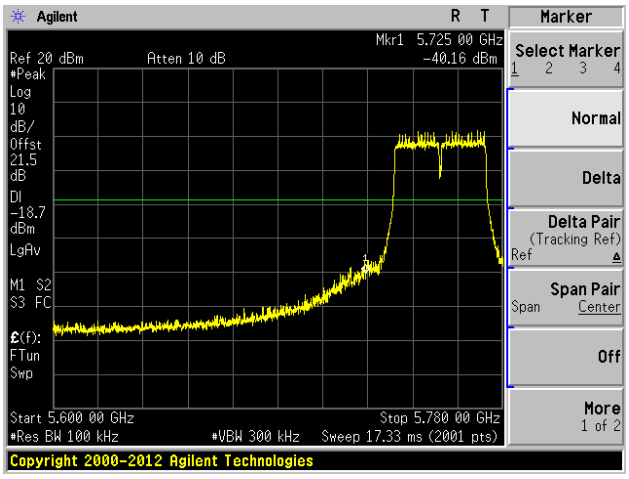
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

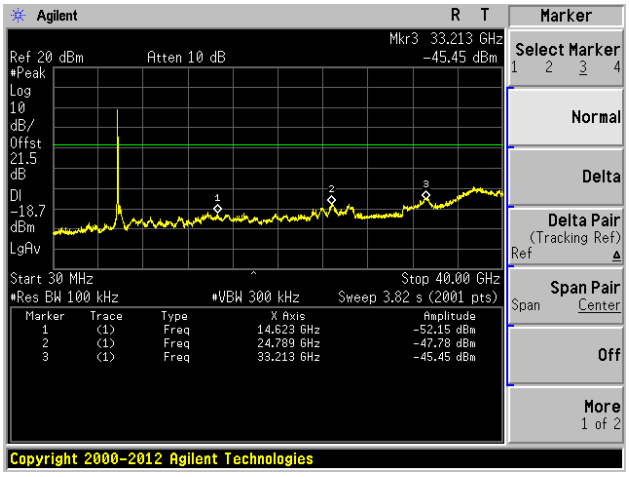
100kHz PSD Reference Level



Low Band Edge

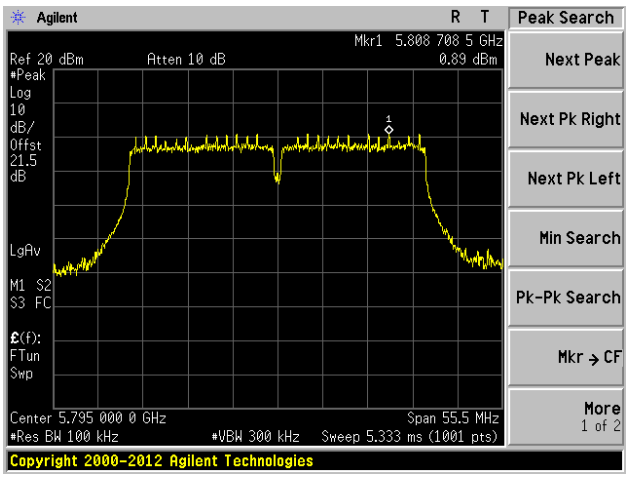


Spurious Emission 30MHz ~ 40GHz

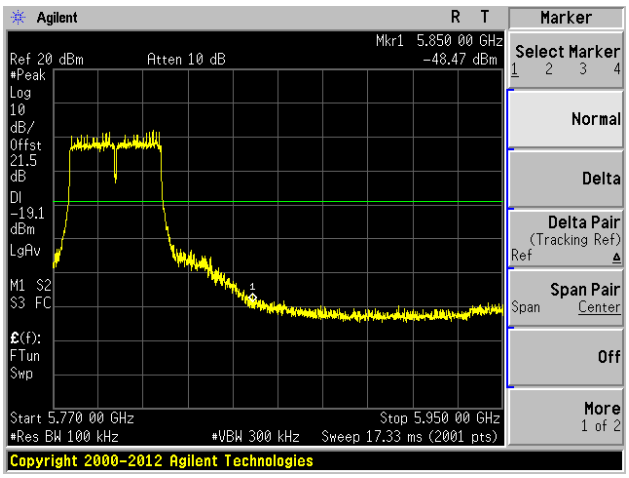


Channel 159 (5795MHz)

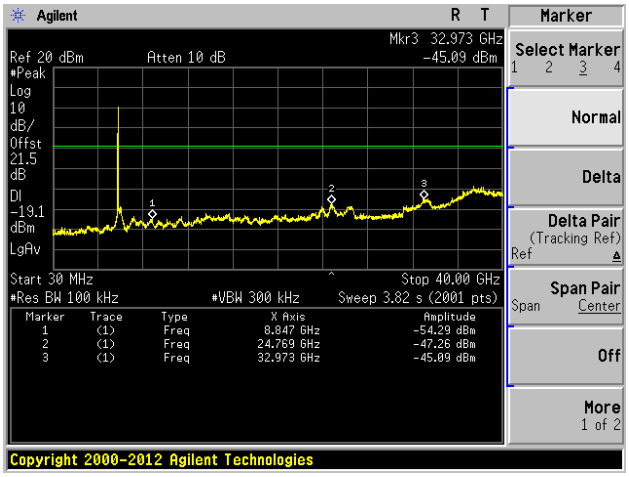
100kHz PSD Reference Level



High Band Edge



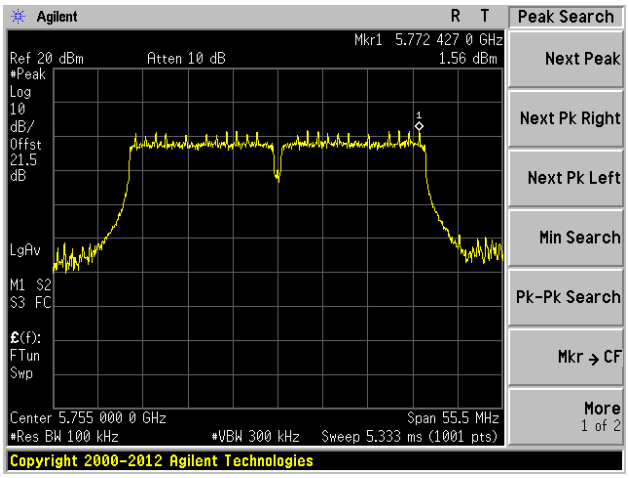
Spurious Emission 30MHz ~ 40GHz



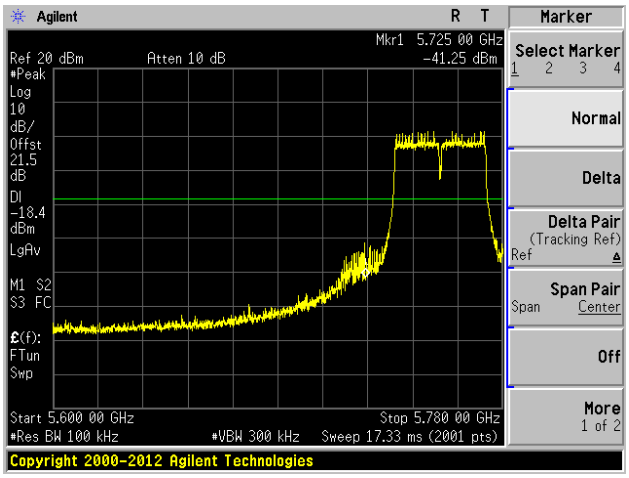
802.11ac-VHT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 151 (5755MHz)

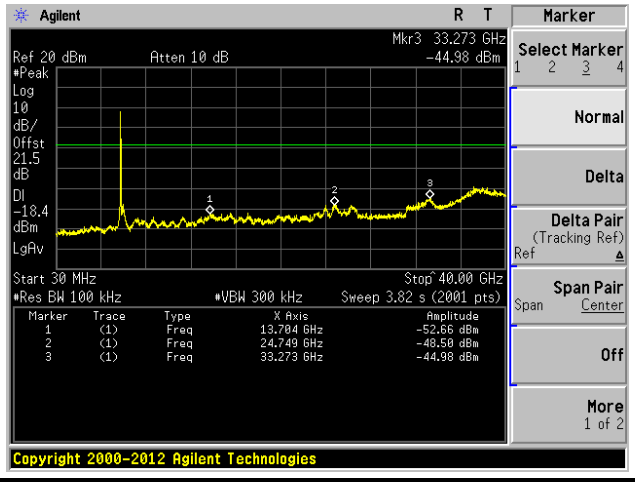
100kHz PSD Reference Level



Low Band Edge

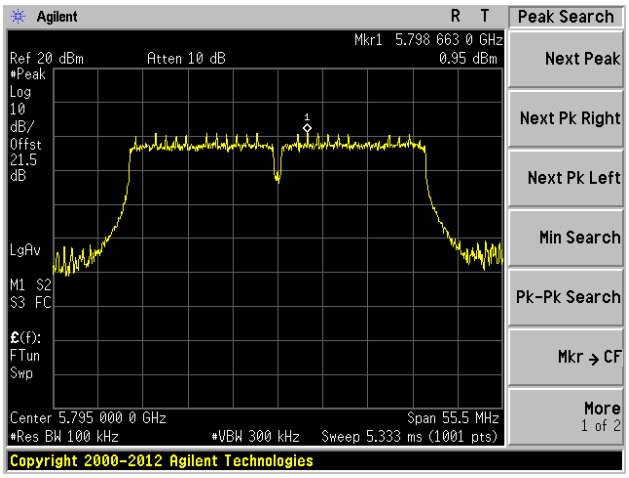


Spurious Emission 30MHz ~ 40GHz

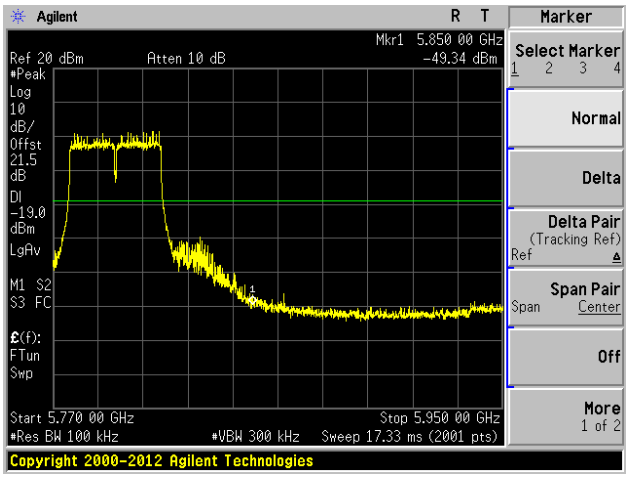


Channel 159 (5795MHz)

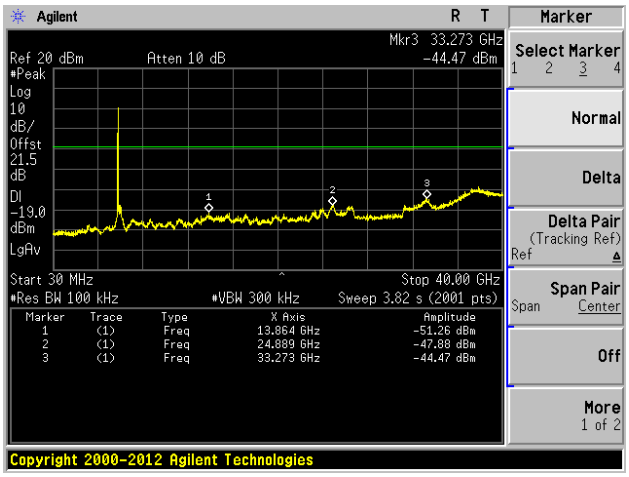
100kHz PSD Reference Level



High Band Edge



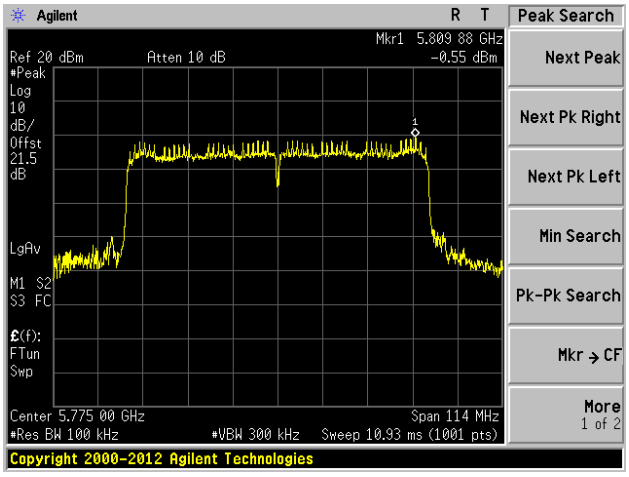
Spurious Emission 30MHz ~ 40GHz



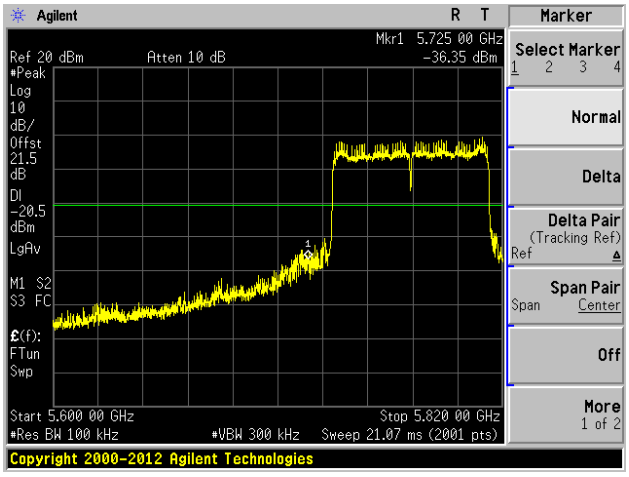
802.11ac-VHT80 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2 + 3

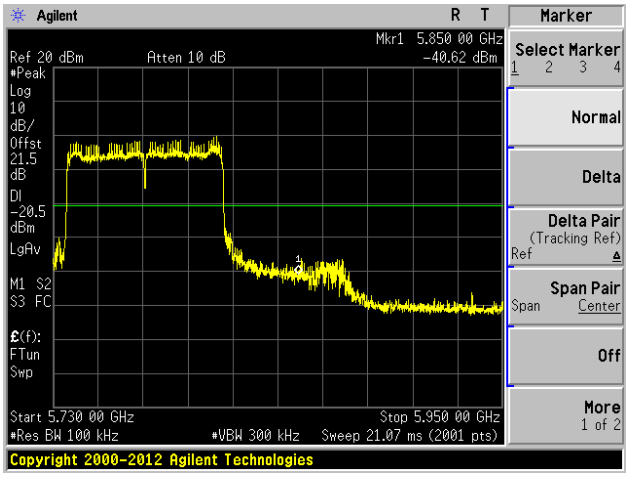
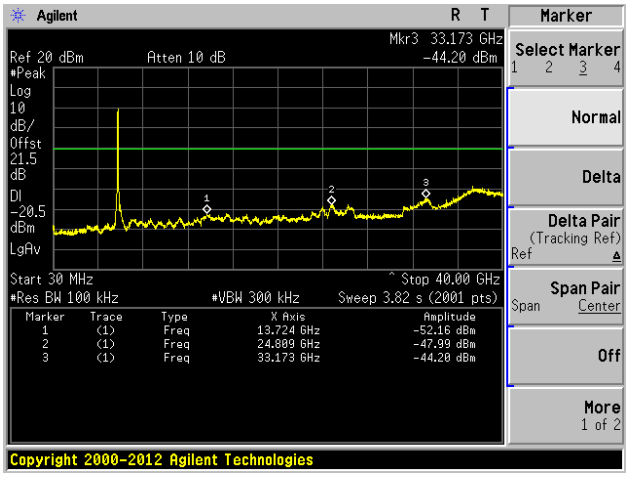
Channel 155 (5775MHz)

100kHz PSD Reference Level



Low Band Edge

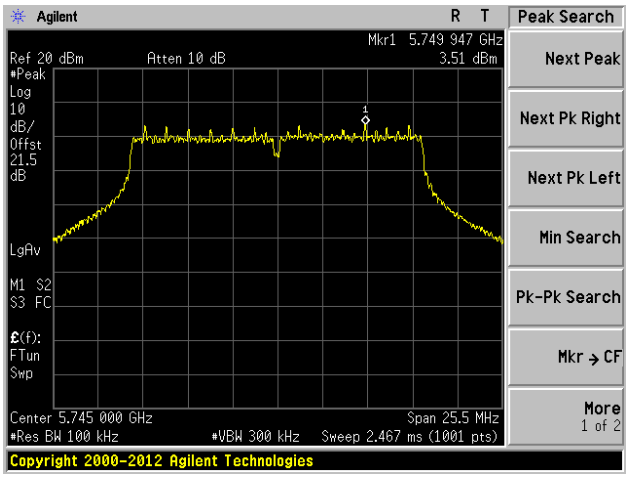


High Band Edge	Spurious Emission 30MHz ~ 40GHz
	

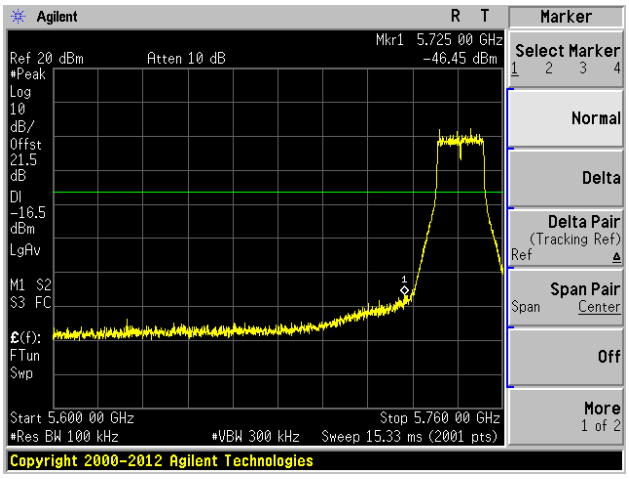
802.11a Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

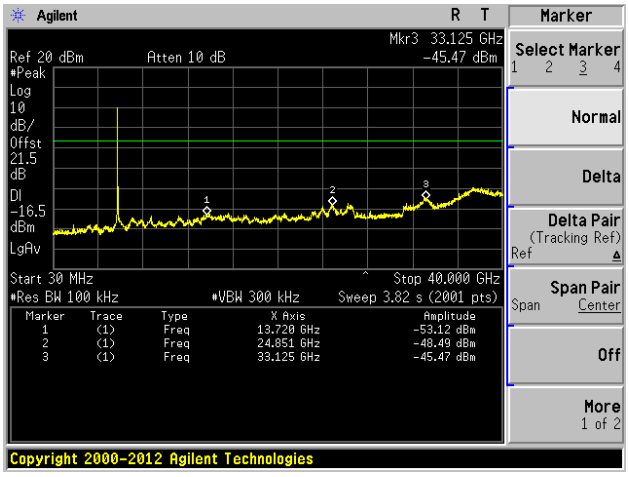
100kHz PSD Reference Level



Low Band Edge

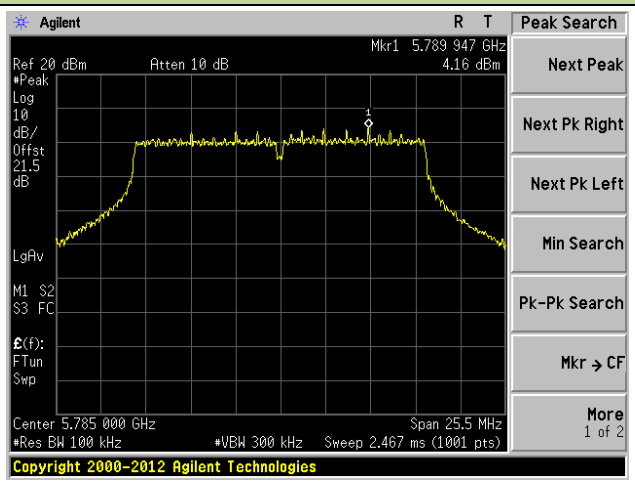


Spurious Emission 30MHz ~ 40GHz

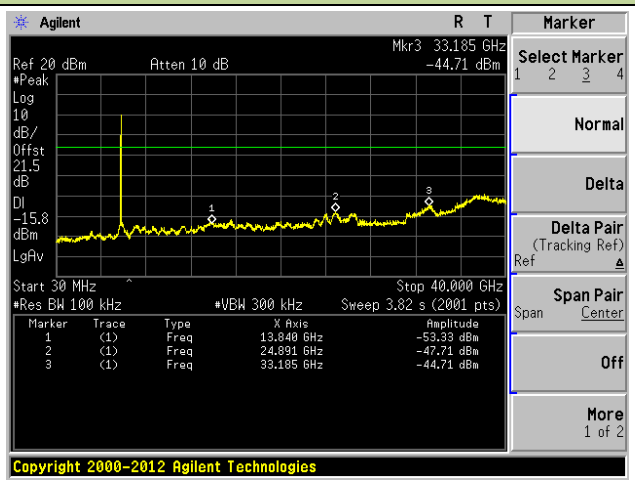


Channel 157 (5785MHz)

100kHz PSD Reference Level

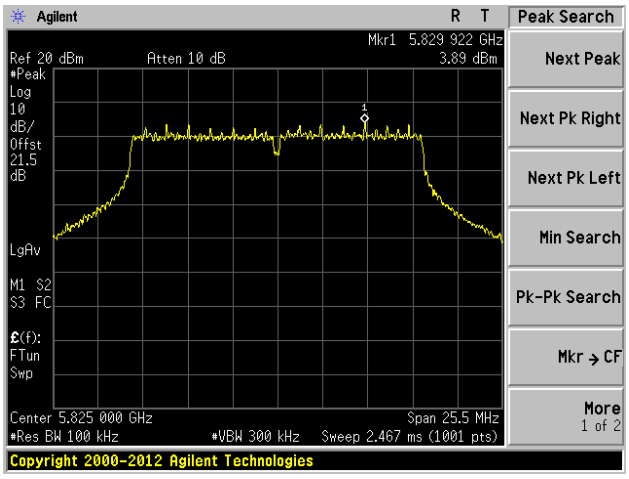


Spurious Emission 30MHz ~ 40GHz

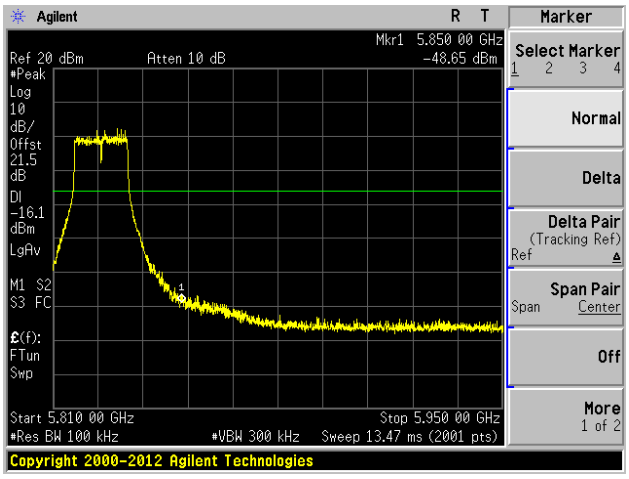


Channel 165 (5825MHz)

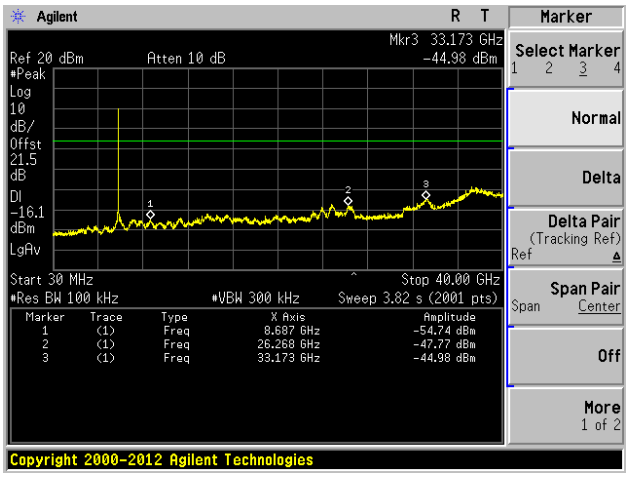
100kHz PSD Reference Level



High Band Edge



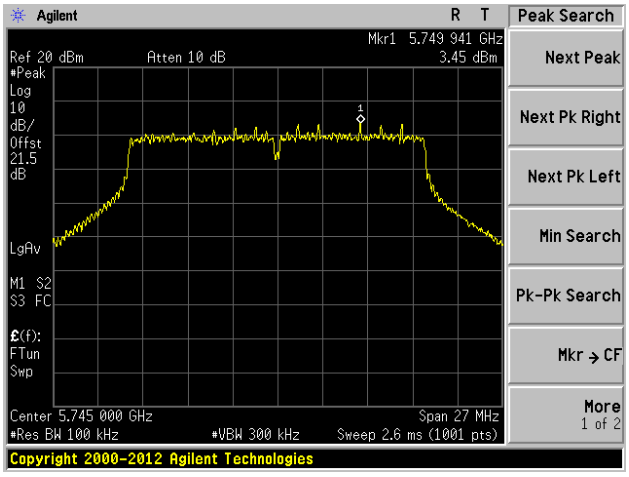
Spurious Emission 30MHz ~ 40GHz



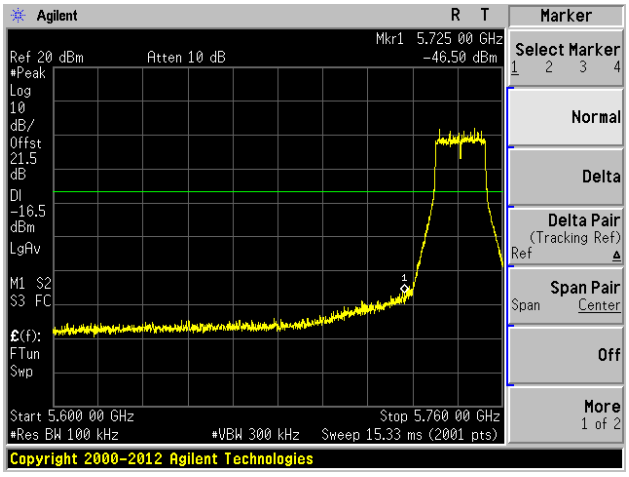
802.11n-HT20 Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

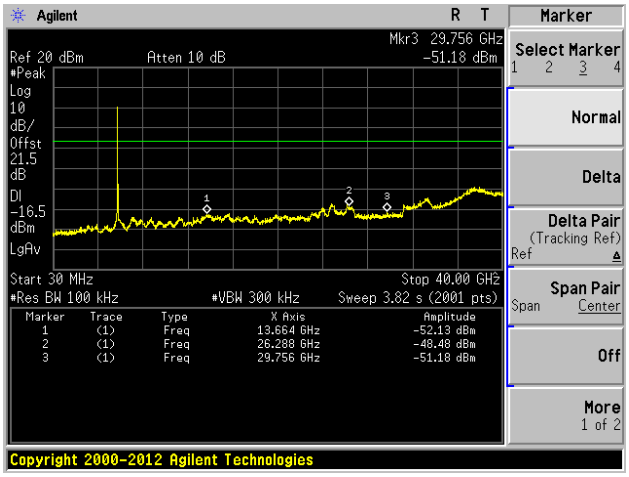
100kHz PSD Reference Level



Low Band Edge

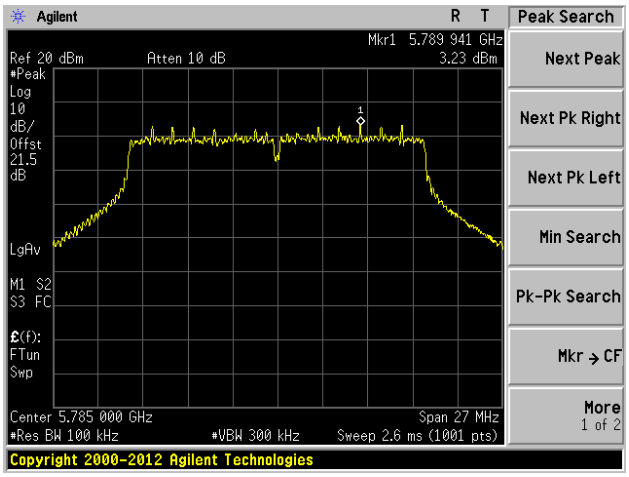


Spurious Emission 30MHz ~ 40GHz

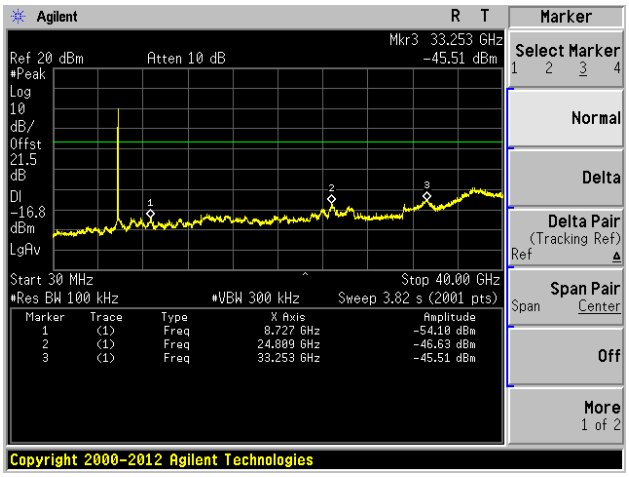


Channel 157 (5785MHz)

100kHz PSD Reference Level

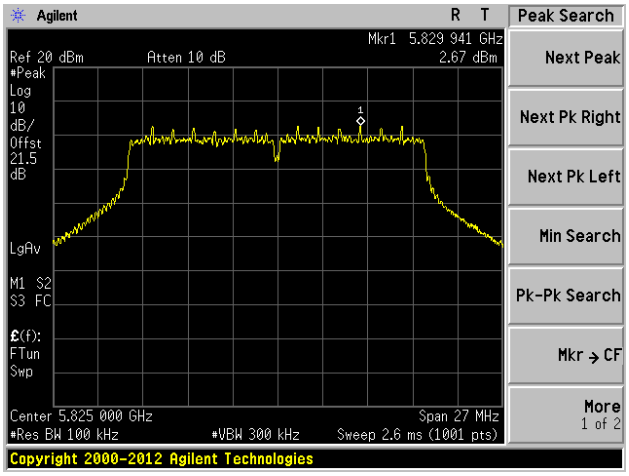


Spurious Emission 30MHz ~ 40GHz

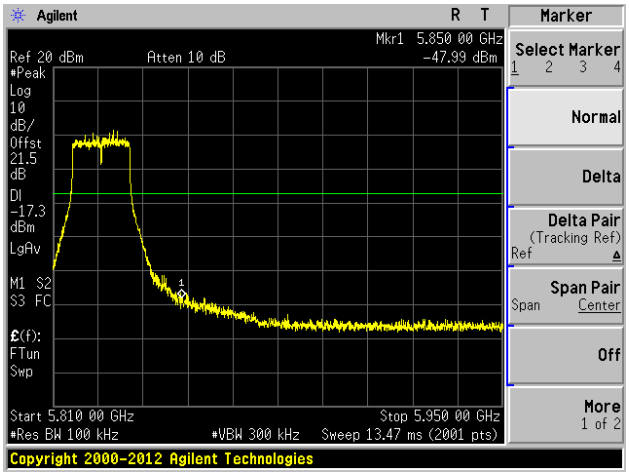


Channel 165 (5825MHz)

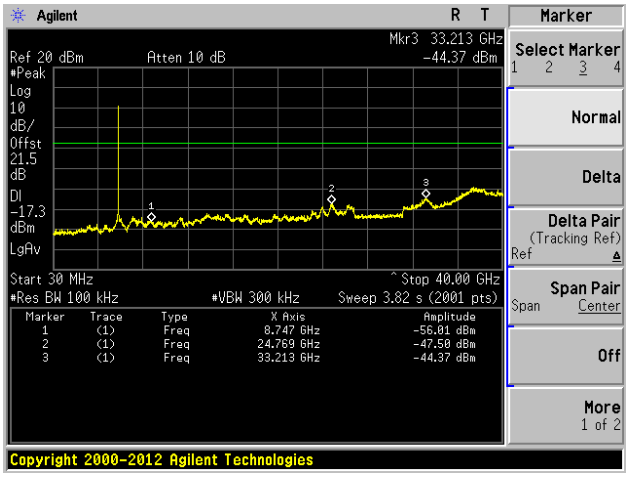
100kHz PSD Reference Level



High Band Edge



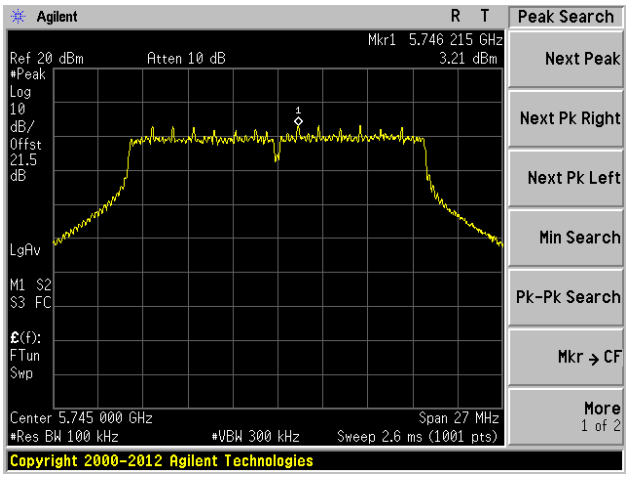
Spurious Emission 30MHz ~ 40GHz



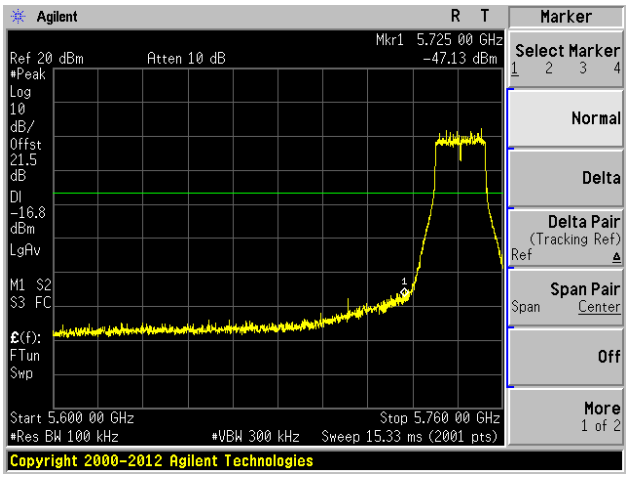
802.11ac-VHT20 Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

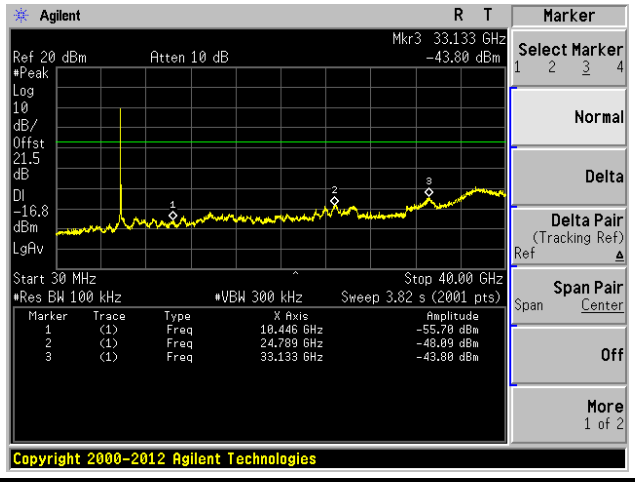
100kHz PSD Reference Level



Low Band Edge

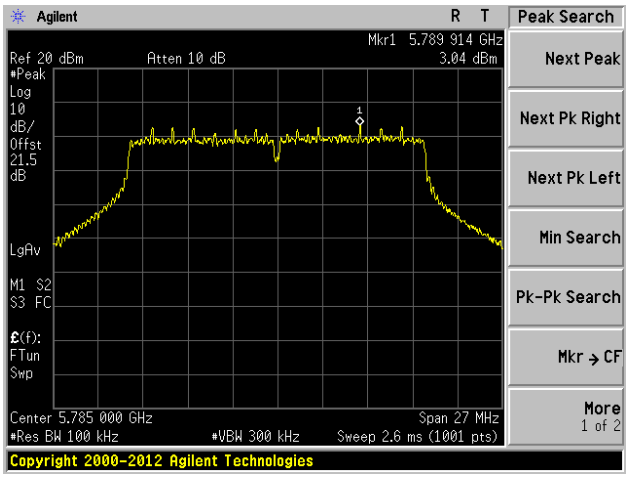


Spurious Emission 30MHz ~ 40GHz

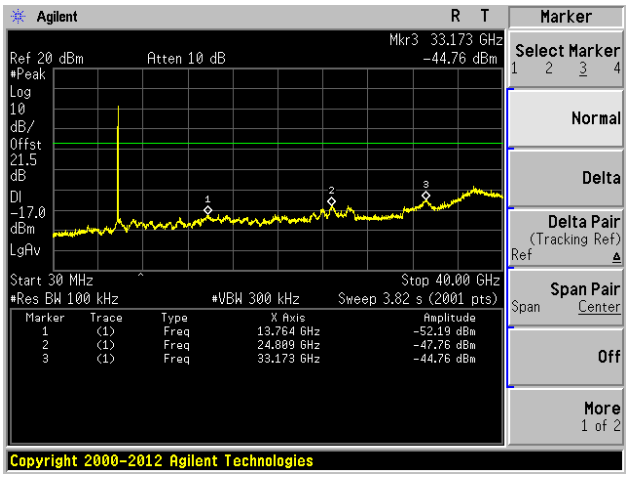


Channel 157 (5785MHz)

100kHz PSD Reference Level

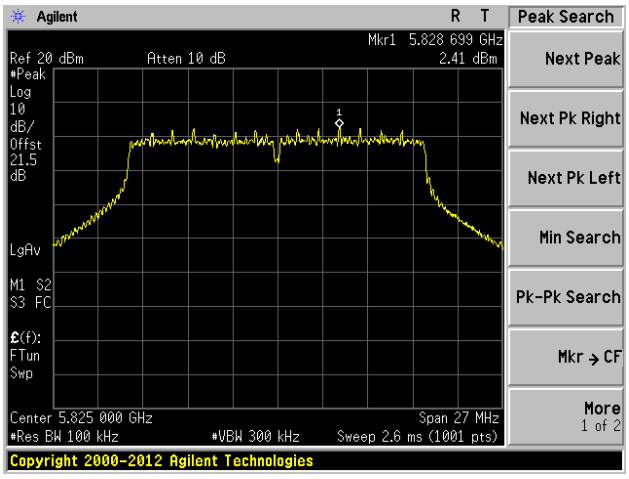


Spurious Emission 30MHz ~ 40GHz

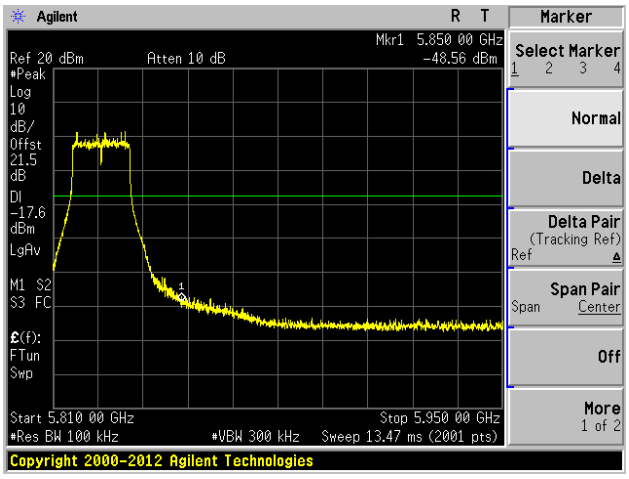


Channel 165 (5825MHz)

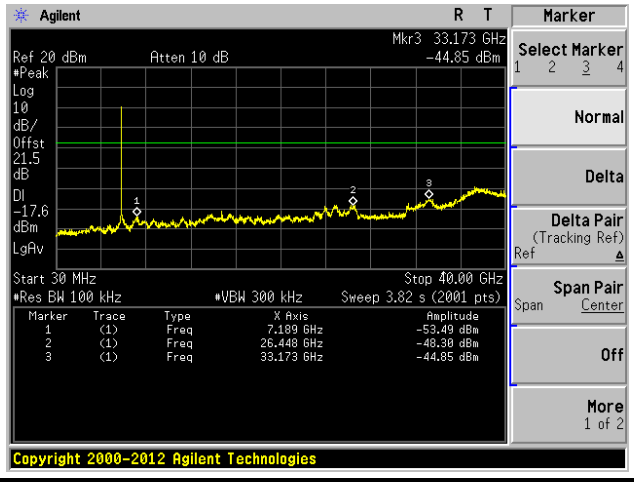
100kHz PSD Reference Level



High Band Edge



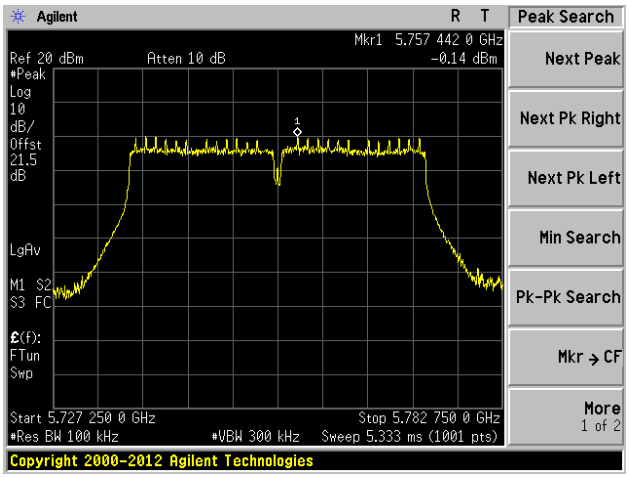
Spurious Emission 30MHz ~ 40GHz



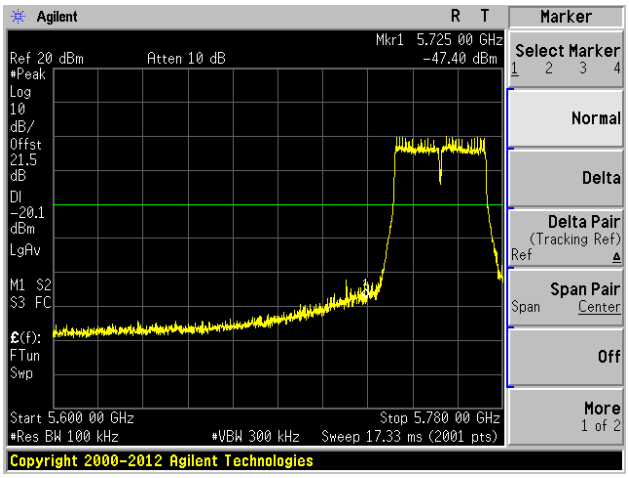
802.11n-HT40 Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

Channel 151 (5755MHz)

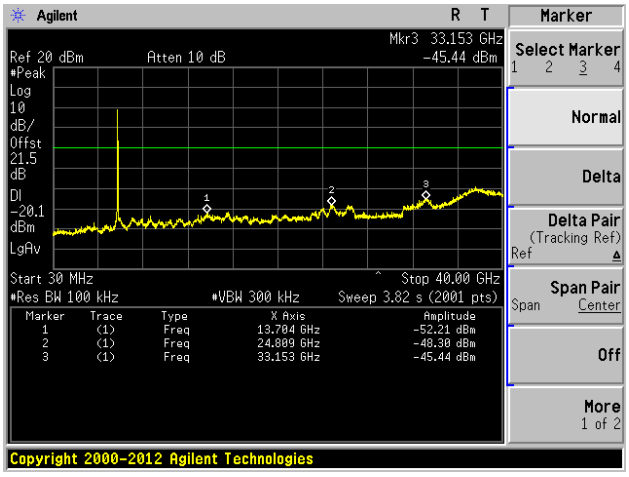
100kHz PSD Reference Level



Low Band Edge

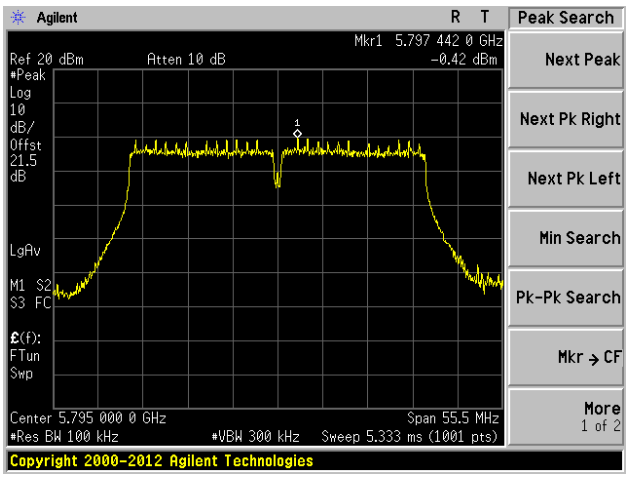


Spurious Emission 30MHz ~ 40GHz

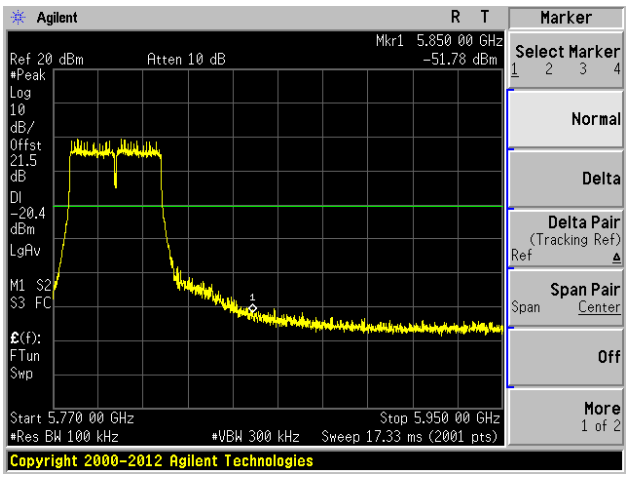


Channel 159 (5795MHz)

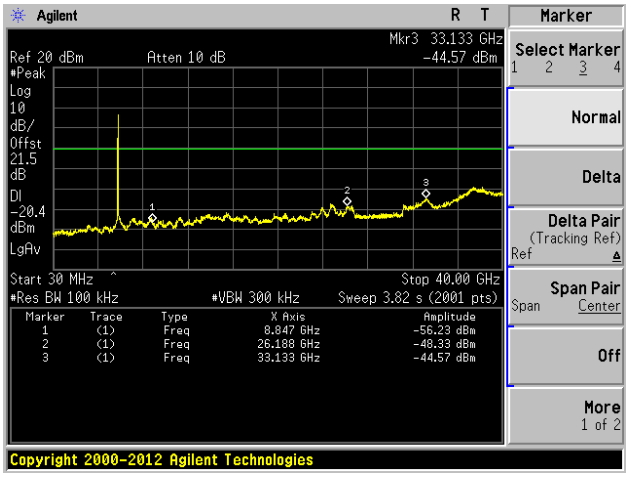
100kHz PSD Reference Level



High Band Edge



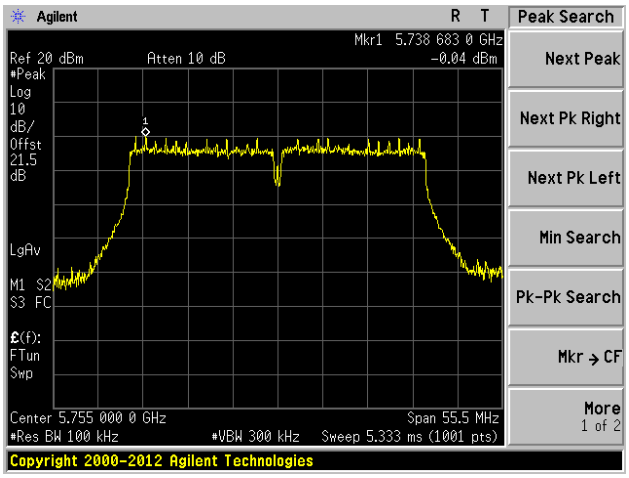
Spurious Emission 30MHz ~ 40GHz



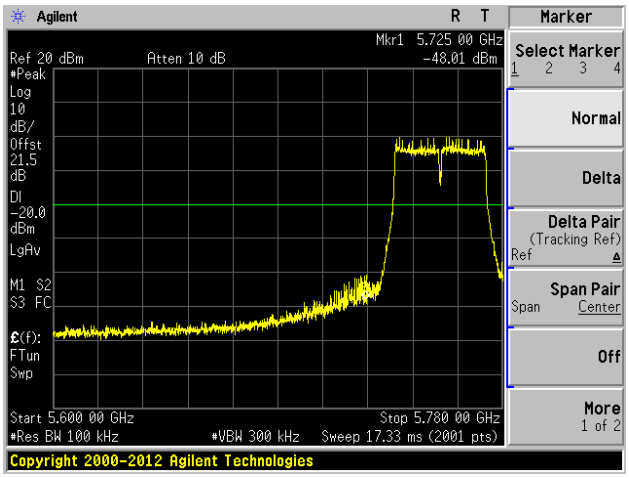
802.11ac-VHT40 Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

Channel 151 (5755MHz)

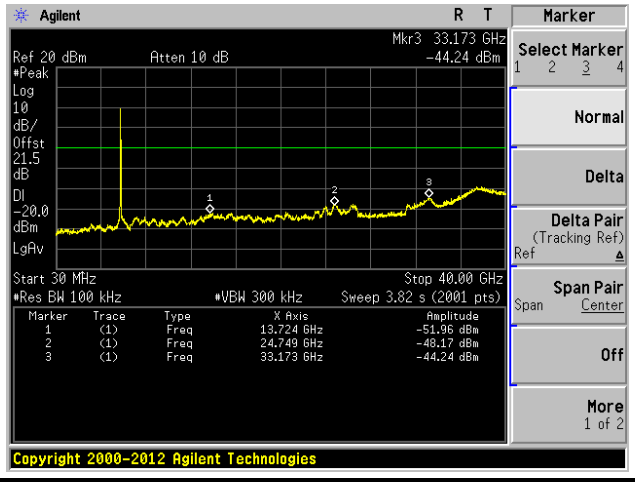
100kHz PSD Reference Level



Low Band Edge

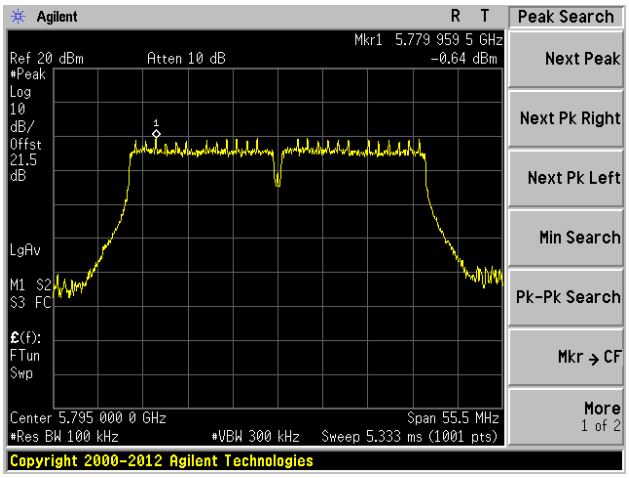


Spurious Emission 30MHz ~ 40GHz

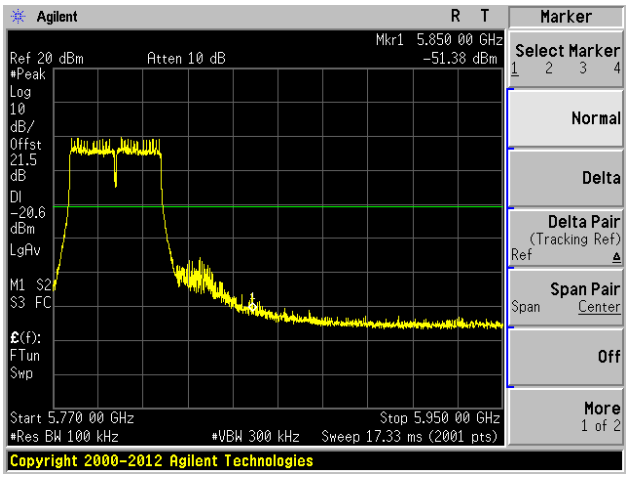


Channel 159 (5795MHz)

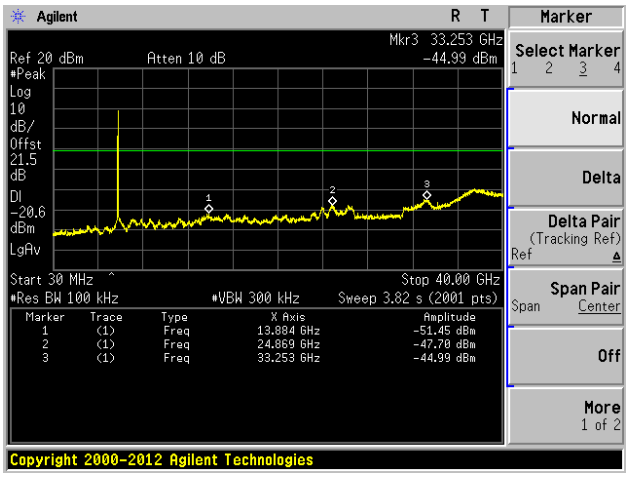
100kHz PSD Reference Level



High Band Edge



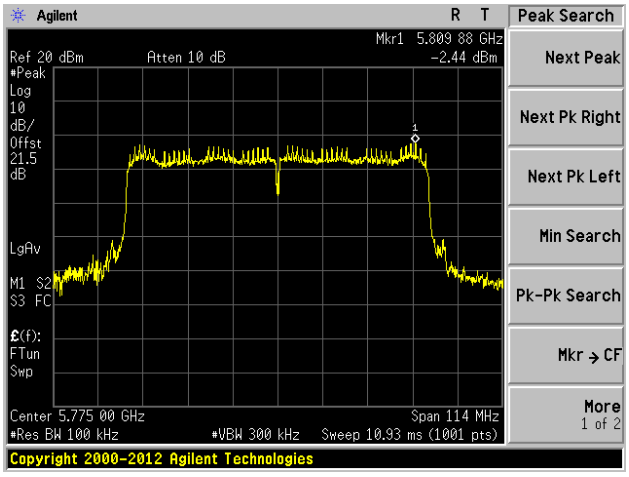
Spurious Emission 30MHz ~ 40GHz



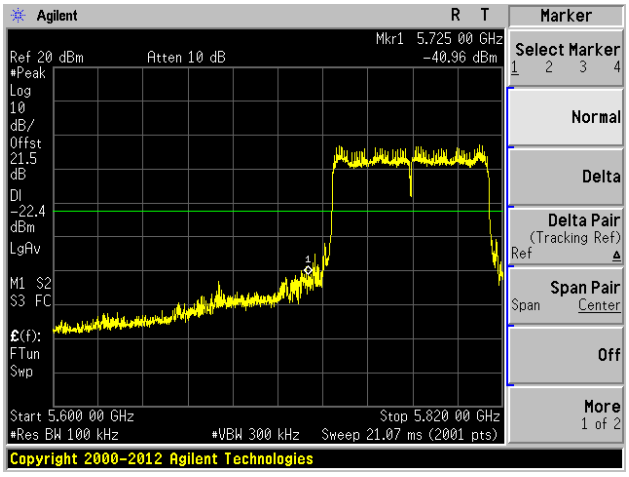
802.11ac-VHT80 Out-of-Band Emissions - Ant 2 / 0 + 1 + 2 + 3

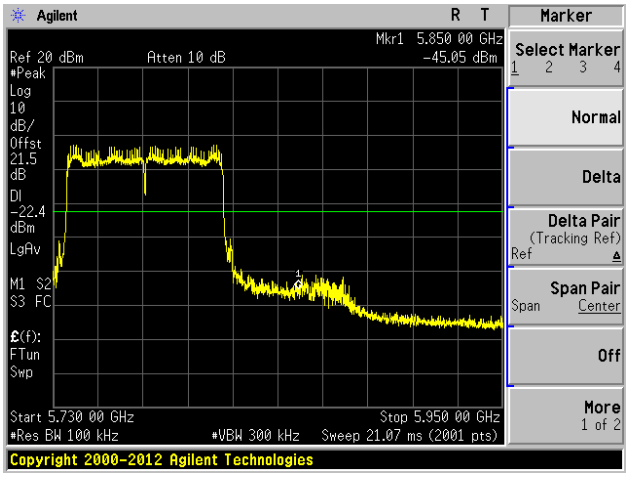
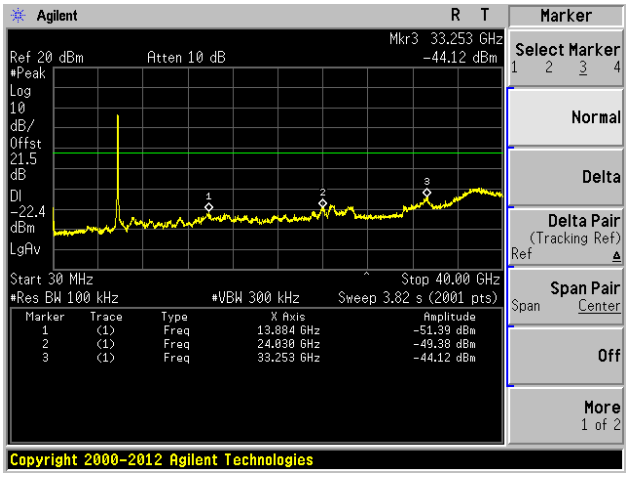
Channel 155 (5775MHz)

100kHz PSD Reference Level



Low Band Edge

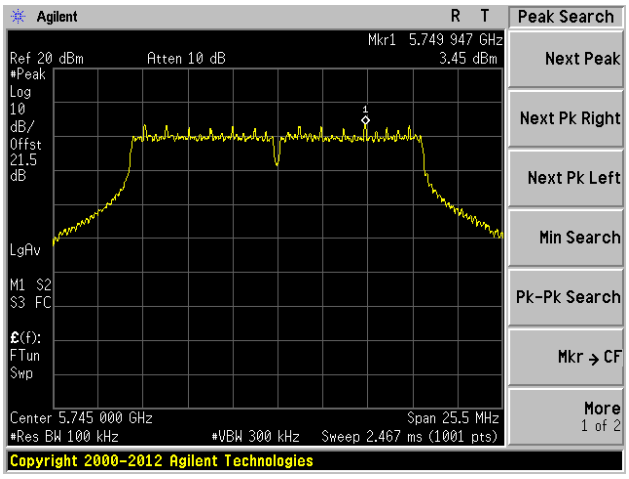


High Band Edge	Spurious Emission 30MHz ~ 40GHz
	

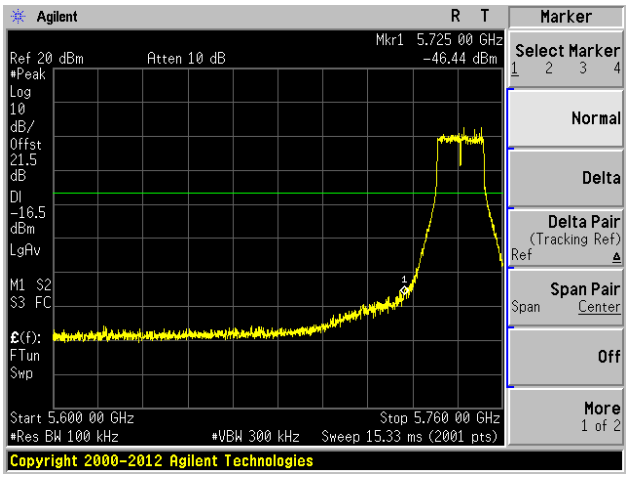
802.11a Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

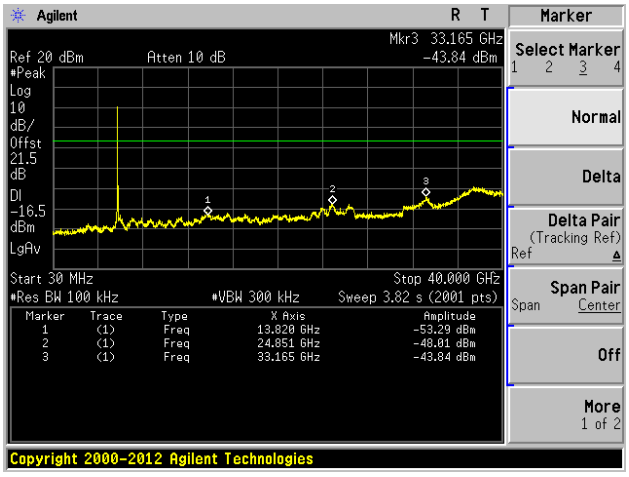
100kHz PSD Reference Level



Low Band Edge

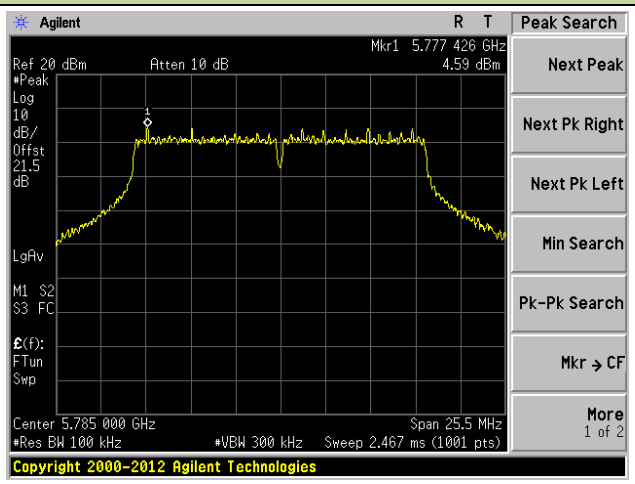


Spurious Emission 30MHz ~ 40GHz

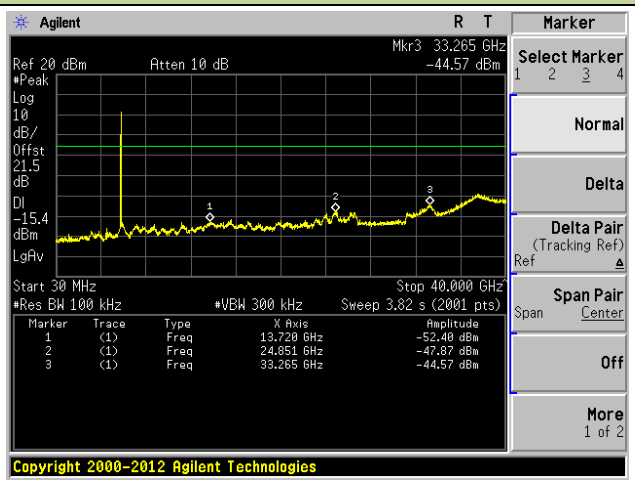


Channel 157 (5785MHz)

100kHz PSD Reference Level

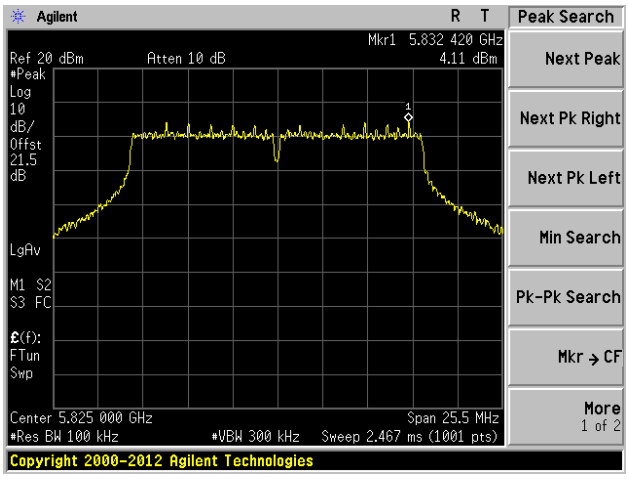


Spurious Emission 30MHz ~ 40GHz

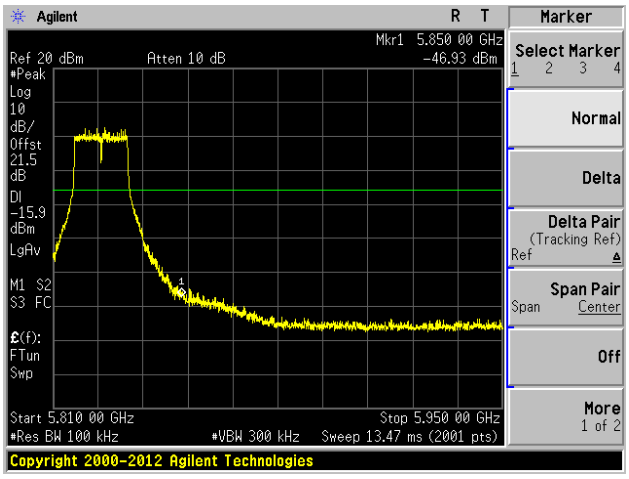


Channel 165 (5825MHz)

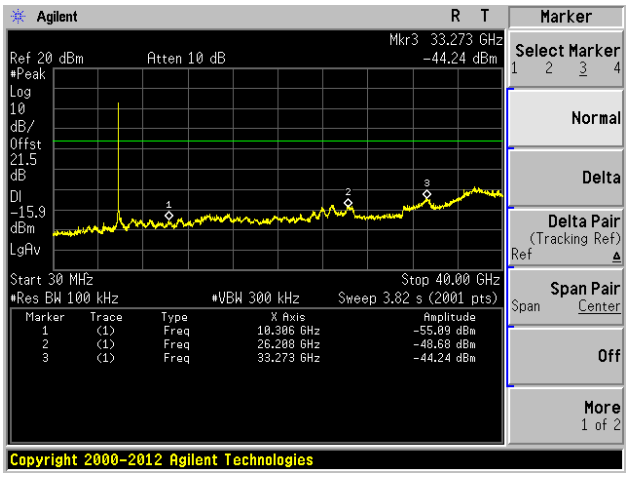
100kHz PSD Reference Level



High Band Edge



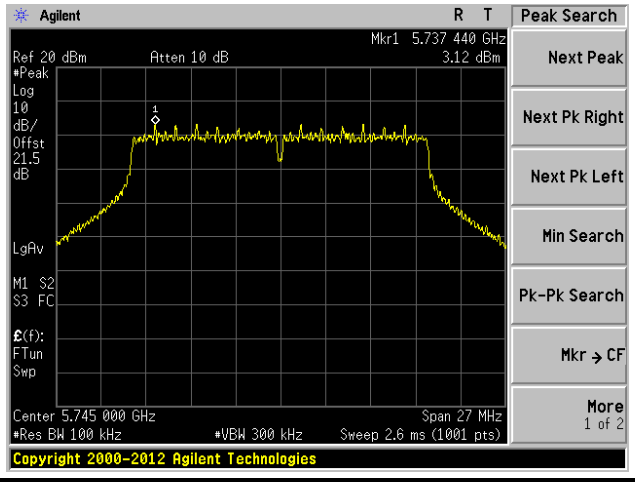
Spurious Emission 30MHz ~ 40GHz



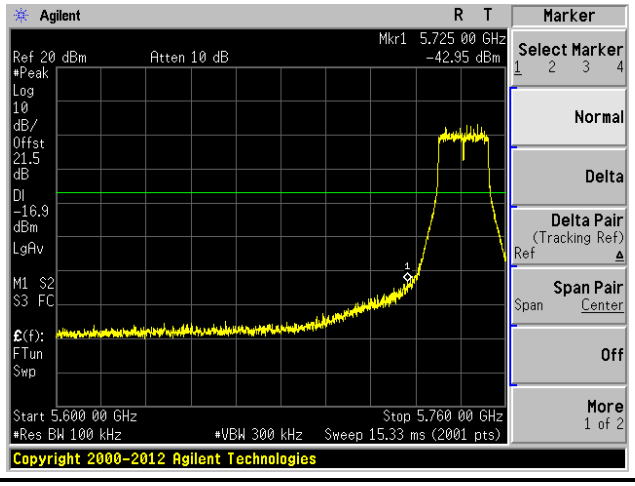
802.11n-HT20 Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

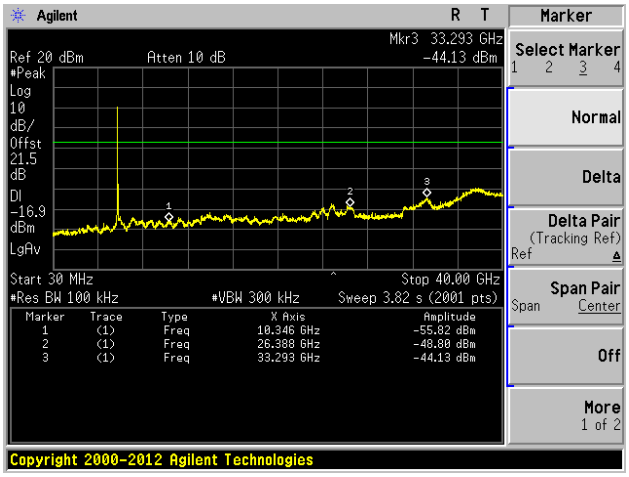
100kHz PSD Reference Level



Low Band Edge

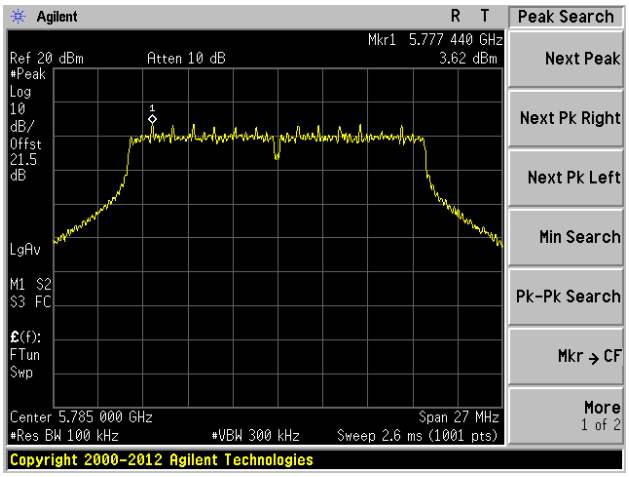


Spurious Emission 30MHz ~ 40GHz

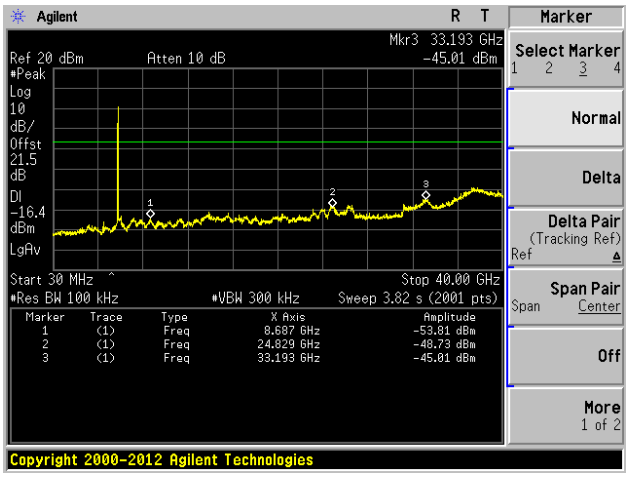


Channel 157 (5785MHz)

100kHz PSD Reference Level

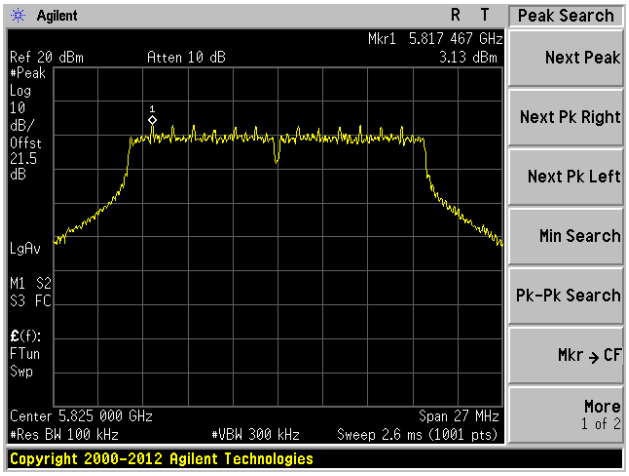


Spurious Emission 30MHz ~ 40GHz

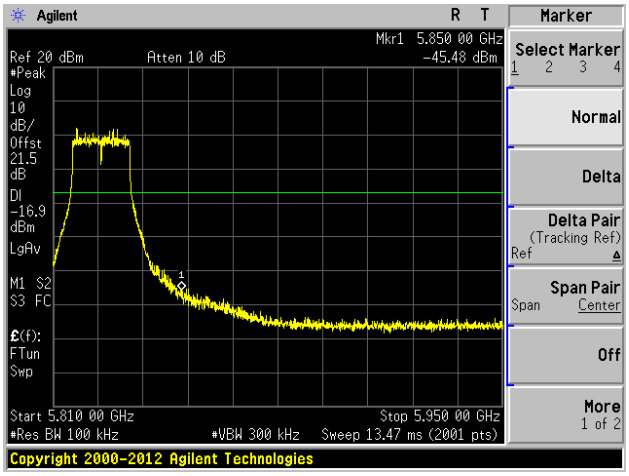


Channel 165 (5825MHz)

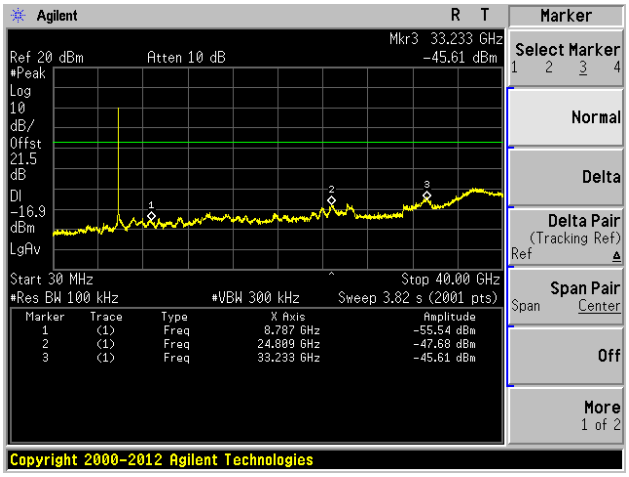
100kHz PSD Reference Level



High Band Edge



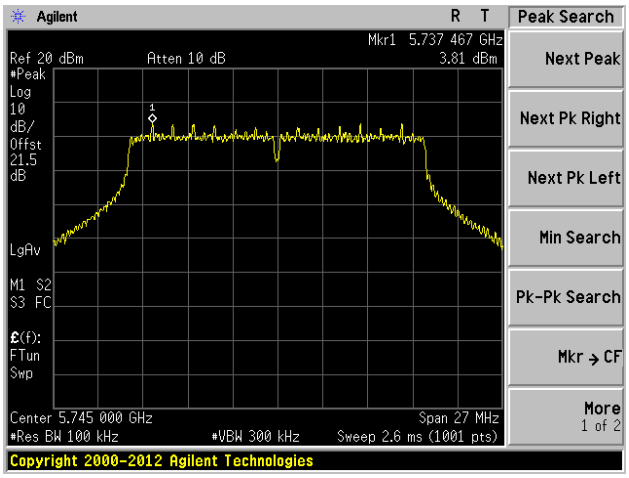
Spurious Emission 30MHz ~ 40GHz



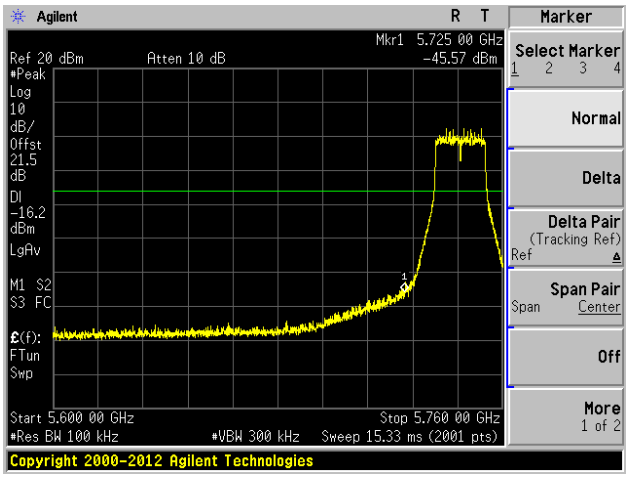
802.11ac-VHT20 Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

Channel 149 (5745MHz)

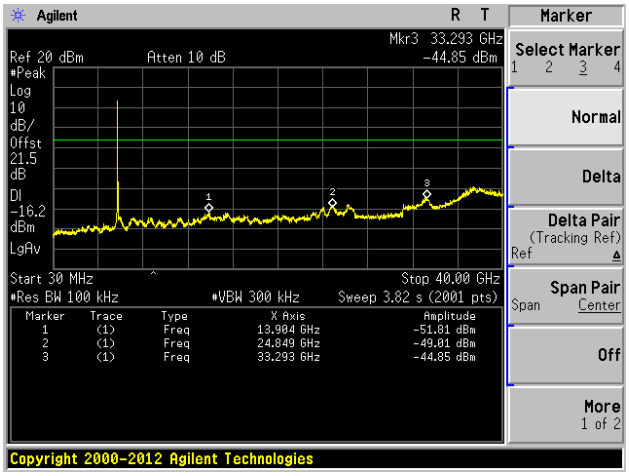
100kHz PSD Reference Level



Low Band Edge

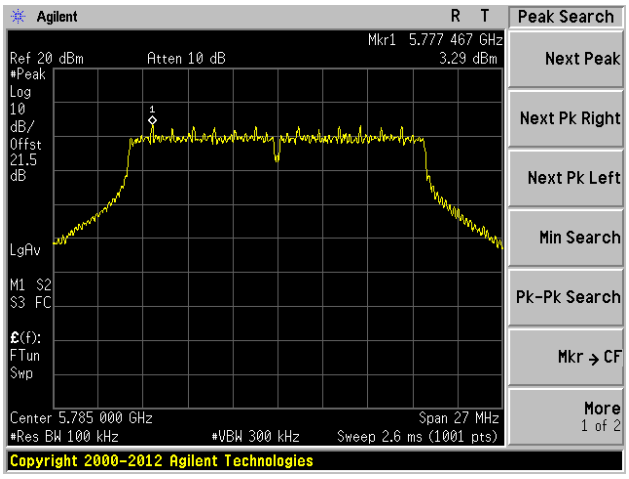


Spurious Emission 30MHz ~ 40GHz

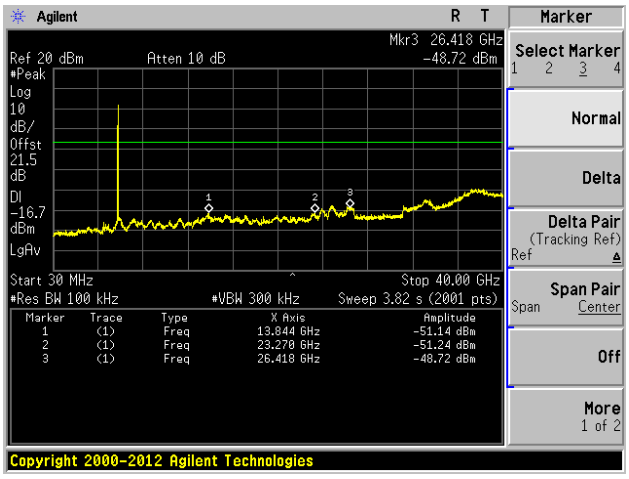


Channel 157 (5785MHz)

100kHz PSD Reference Level

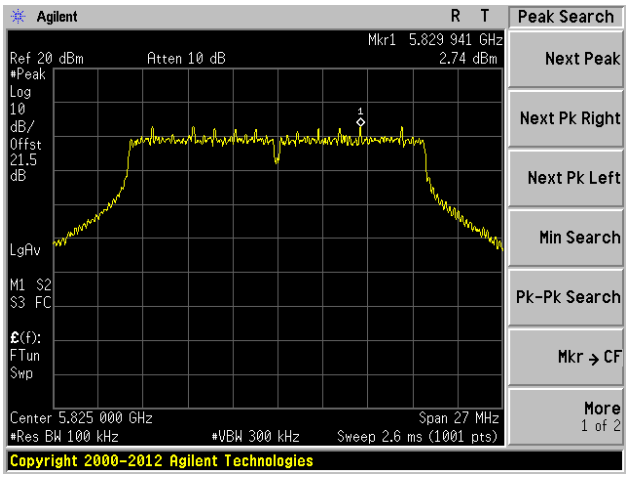


Spurious Emission 30MHz ~ 40GHz

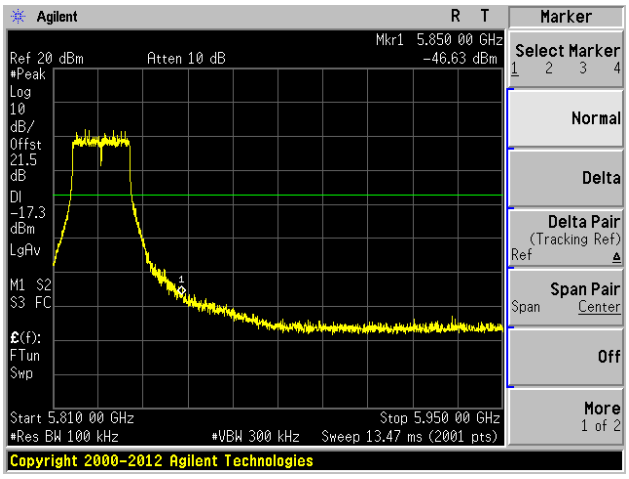


Channel 165 (5825MHz)

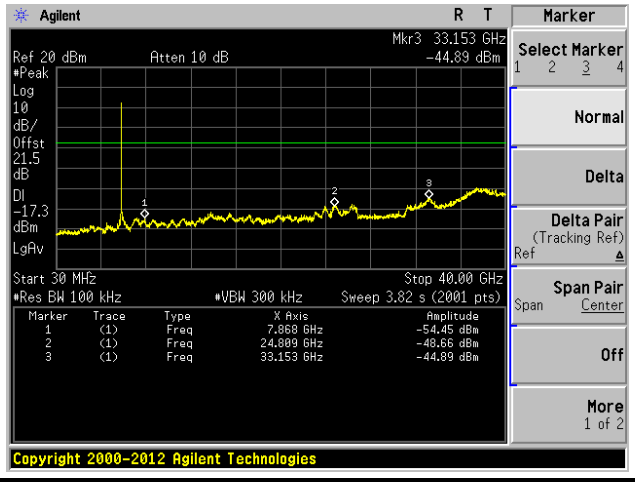
100kHz PSD Reference Level



High Band Edge



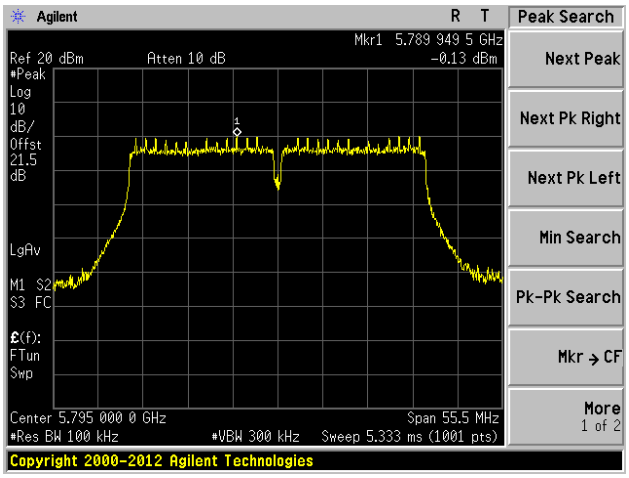
Spurious Emission 30MHz ~ 40GHz



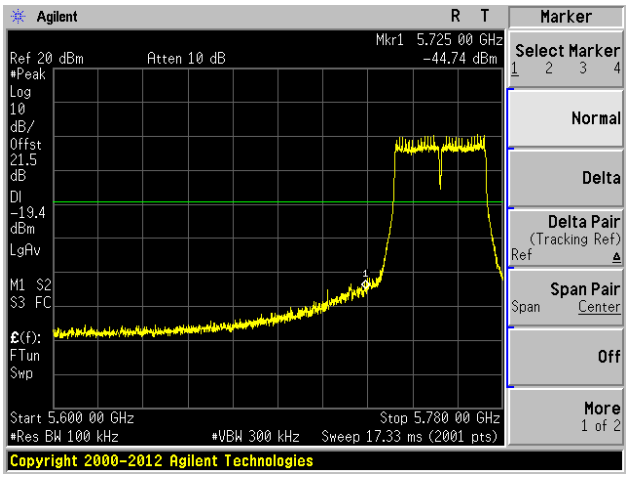
802.11n-HT40 Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

Channel 151 (5755MHz)

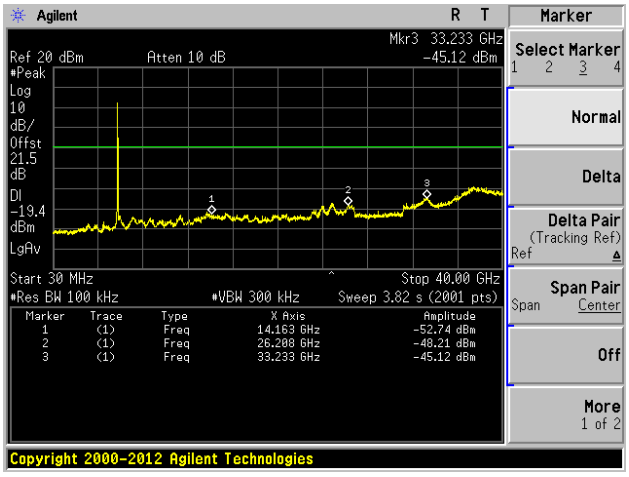
100kHz PSD Reference Level



Low Band Edge

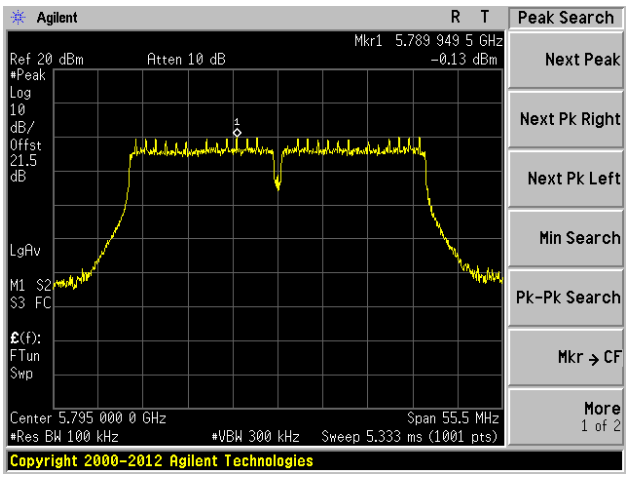


Spurious Emission 30MHz ~ 40GHz

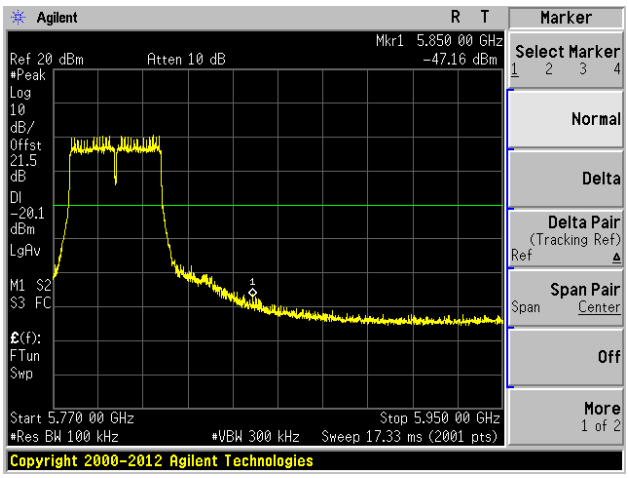


Channel 159 (5795MHz)

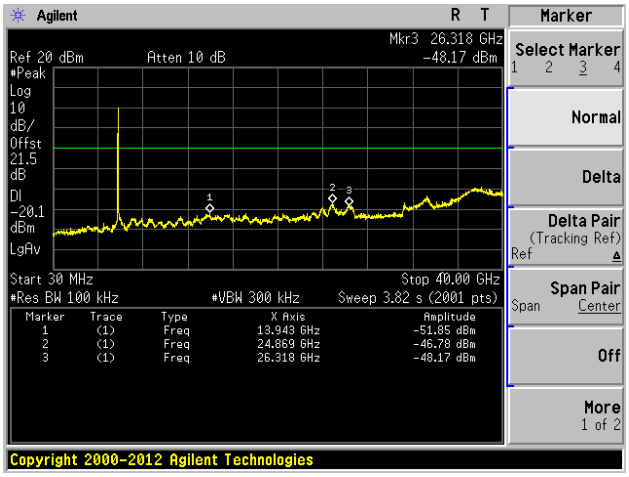
100kHz PSD Reference Level



High Band Edge



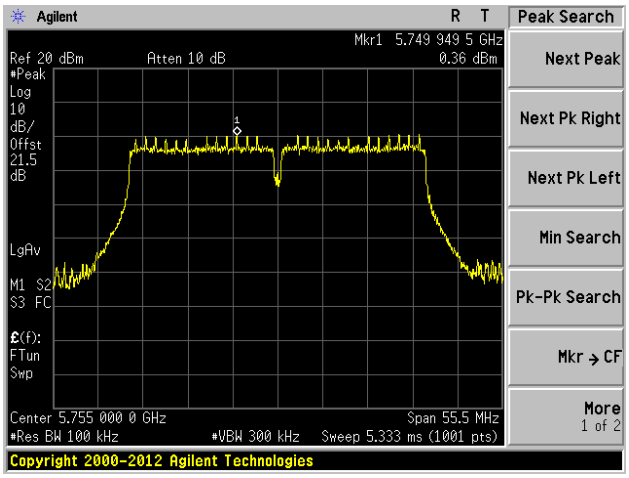
Spurious Emission 30MHz ~ 40GHz



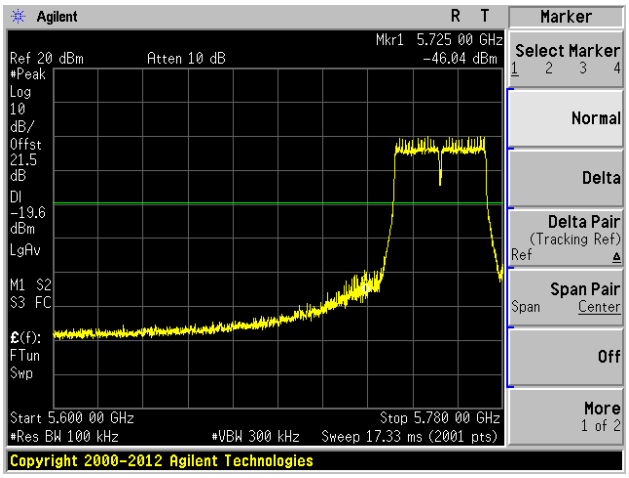
802.11ac-VHT40 Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

Channel 151 (5755MHz)

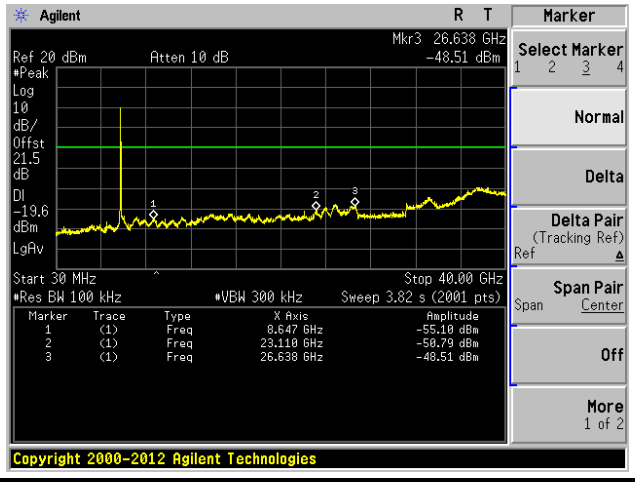
100kHz PSD Reference Level



Low Band Edge

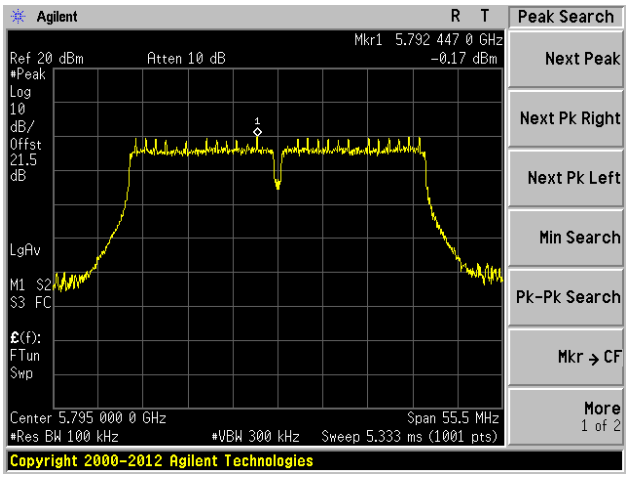


Spurious Emission 30MHz ~ 40GHz

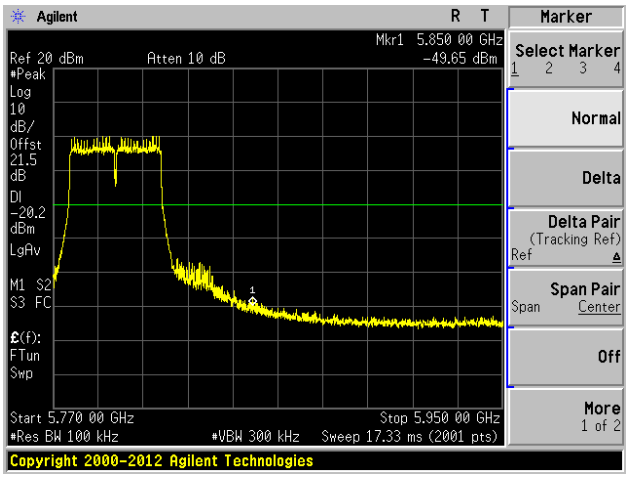


Channel 159 (5795MHz)

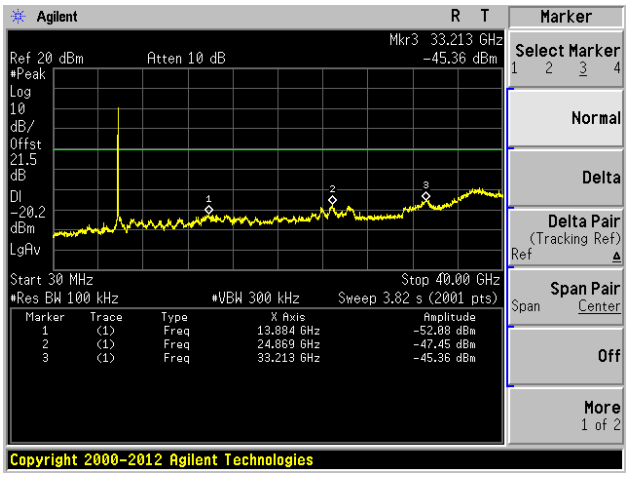
100kHz PSD Reference Level



High Band Edge



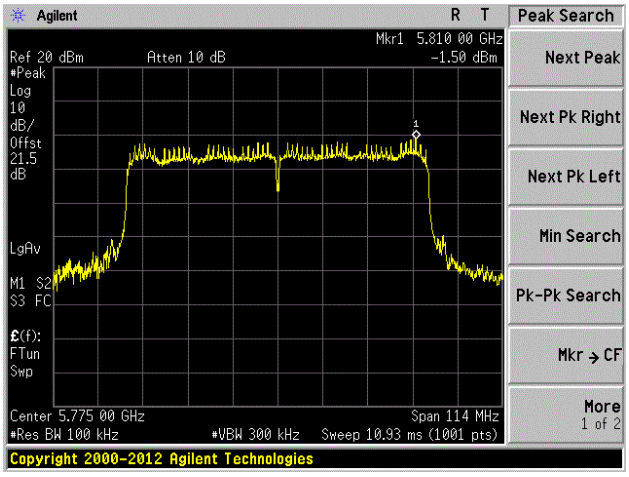
Spurious Emission 30MHz ~ 40GHz



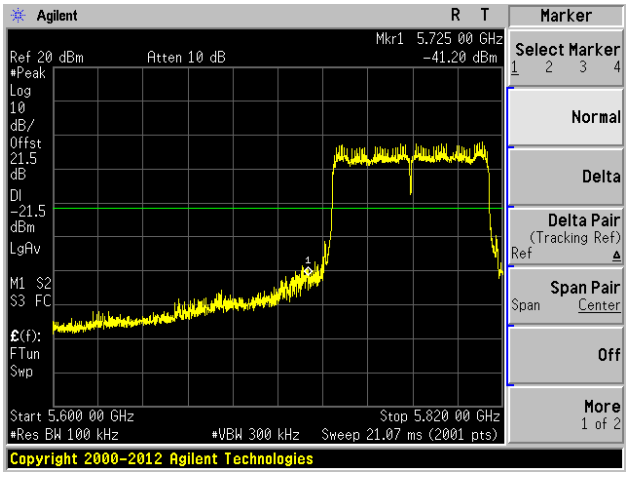
802.11ac-VHT80 Out-of-Band Emissions - Ant 3 / 0 + 1 + 2 + 3

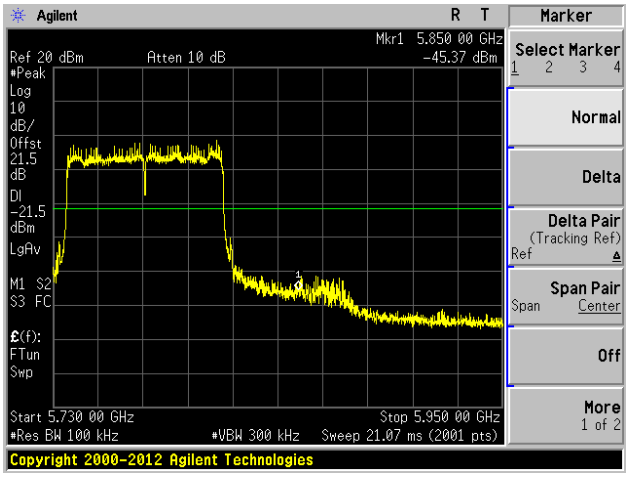
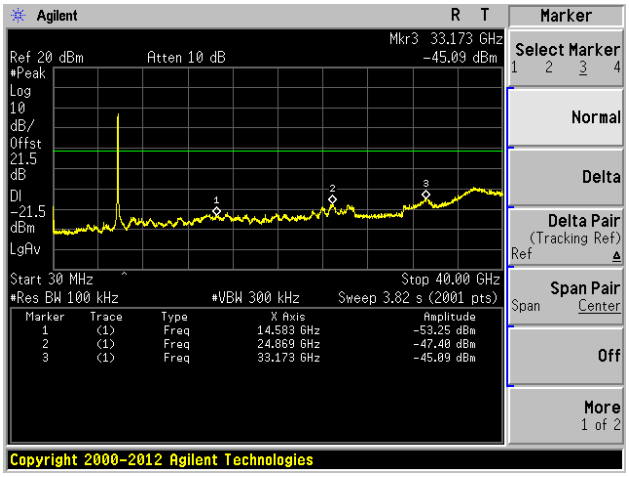
Channel 155 (5775MHz)

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

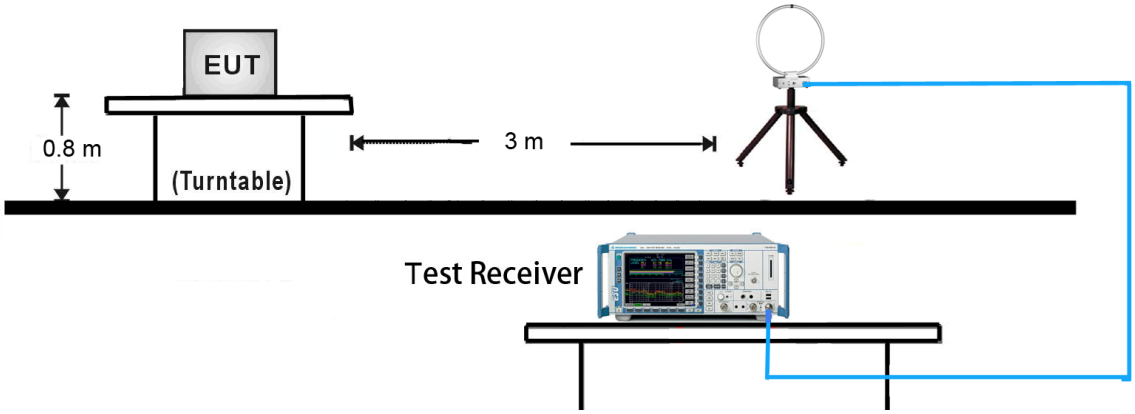
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r01

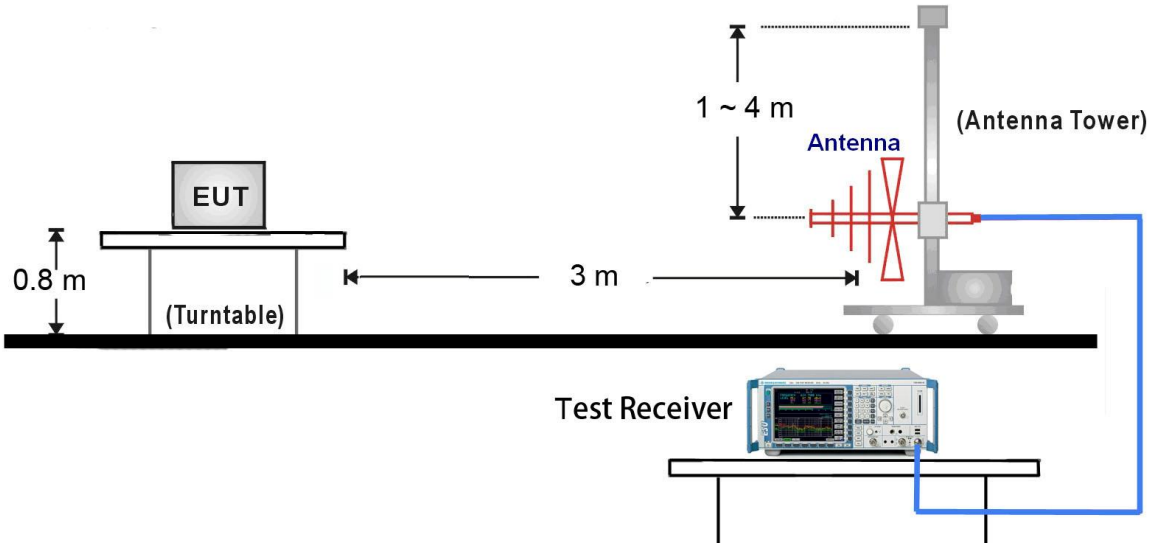
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

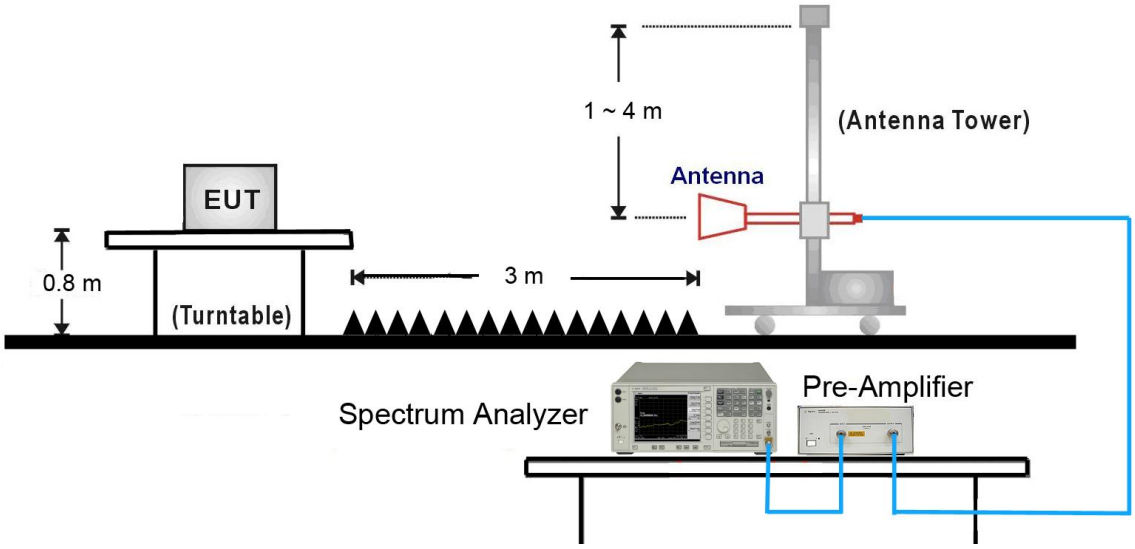
9kHz ~ 30MHz Test Setup:



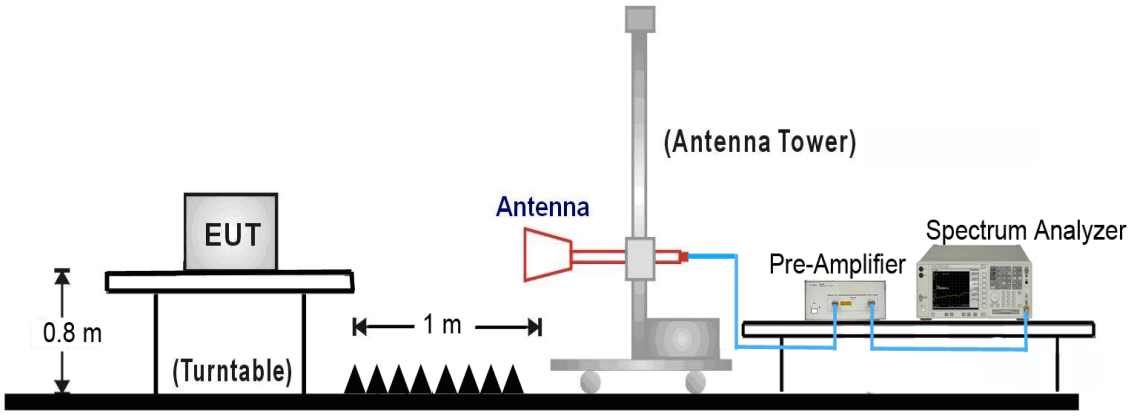
30MHz ~ 1GHz Test Setup:



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
*	3218.5	42.4	3.5	45.9	87.8	-41.9	Peak	Horizontal
*	3502.4	37.6	3.9	41.5	87.8	-46.3	Peak	Horizontal
	4824.0	37.0	6.4	43.4	74.0	-30.6	Peak	Horizontal
	7263.5	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
*	3072.7	36.9	3.5	40.3	87.8	-47.5	Peak	Vertical
*	3502.6	37.0	3.9	40.9	87.8	-46.9	Peak	Vertical
	4824.0	36.8	6.4	43.2	74.0	-30.8	Peak	Vertical
	7494.0	36.6	14.4	51.0	74.0	-23.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.8dBμV/m).

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

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

Test Mode:	802.11b	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
*	3252.5	41.0	3.4	44.4	87.8	-43.4	Peak	Horizontal
*	3512.6	36.8	3.9	40.7	87.8	-47.1	Peak	Horizontal
	4874.0	35.6	6.6	42.2	74.0	-31.8	Peak	Horizontal
	7311.0	34.2	14.0	48.2	74.0	-25.8	Peak	Horizontal
*	3157.2	37.3	3.6	41.0	87.8	-46.8	Peak	Vertical
*	3569.4	37.0	4.0	41.1	87.8	-46.7	Peak	Vertical
	4874.0	36.4	6.6	43.0	74.0	-31.0	Peak	Vertical
	7311.0	34.2	14.0	48.2	74.0	-25.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.8dBμV/m).

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

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

Test Mode:	802.11b	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	39.8	3.6	43.4	87.8	-44.4	Peak	Horizontal
*	3583.1	37.4	4.0	41.4	87.8	-46.4	Peak	Horizontal
	4924.0	36.1	6.7	42.9	74.0	-31.1	Peak	Horizontal
	7386.0	33.9	14.1	48.0	74.0	-26.0	Peak	Horizontal
*	3218.5	39.5	3.5	43.0	87.8	-44.8	Peak	Vertical
*	3514.2	36.4	3.9	40.3	87.8	-47.5	Peak	Vertical
	4924.0	36.3	6.7	43.0	74.0	-31.0	Peak	Vertical
	7386.0	34.3	14.1	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.8dBμV/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:	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	42.3	3.5	45.8	91.2	-45.4	Peak	Horizontal
*	3515.6	36.1	3.9	40.0	91.2	-51.2	Peak	Horizontal
	4824.0	35.9	6.4	42.3	74.0	-31.7	Peak	Horizontal
	7253.7	34.0	13.9	47.9	74.0	-26.1	Peak	Horizontal
*	3025.4	36.0	3.4	39.4	91.2	-51.8	Peak	Vertical
*	3591.0	36.3	4.0	40.3	91.2	-50.9	Peak	Vertical
	4824.0	35.4	6.4	41.8	74.0	-32.2	Peak	Vertical
	7263.5	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (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:	802.11g	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
*	3184.5	40.4	3.6	43.9	90.9	-47.0	Peak	Horizontal
*	3515.8	36.2	3.9	40.1	90.9	-50.8	Peak	Horizontal
	4874.0	35.7	6.6	42.3	74.0	-31.7	Peak	Horizontal
	7311.0	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
*	3159.0	37.8	3.6	41.4	90.9	-49.5	Peak	Vertical
*	3526.6	36.9	4.0	40.9	90.9	-50.0	Peak	Vertical
	4874.0	35.8	6.6	42.4	74.0	-31.6	Peak	Vertical
	7311.0	35.1	14.0	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.9dBμV/m).

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

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

Test Mode:	802.11g	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	40.5	3.6	44.1	90.8	-46.7	Peak	Horizontal
*	3546.6	36.7	4.1	40.7	90.8	-50.1	Peak	Horizontal
	4924.0	36.4	6.7	43.2	74.0	-30.8	Peak	Horizontal
	7386.0	35.2	14.1	49.3	74.0	-24.7	Peak	Horizontal
*	3184.5	38.5	3.6	42.0	90.8	-48.8	Peak	Vertical
*	3526.6	36.9	4.0	40.9	90.8	-49.9	Peak	Vertical
	4924.0	35.6	6.7	42.3	74.0	-31.7	Peak	Vertical
	7386.0	34.5	14.1	48.6	74.0	-25.4	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 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
*	3218.5	42.4	3.5	45.9	90.3	-44.4	Peak	Horizontal
*	3502.7	36.6	3.9	40.5	90.3	-49.8	Peak	Horizontal
	4824.0	35.1	6.4	41.5	74.0	-32.5	Peak	Horizontal
	7265.4	34.5	13.9	48.4	74.0	-25.6	Peak	Horizontal
*	3025.6	36.1	3.4	39.5	90.3	-50.8	Peak	Vertical
*	3514.8	36.2	3.9	40.1	90.3	-50.2	Peak	Vertical
	4824.0	35.7	6.4	42.1	74.0	-31.9	Peak	Vertical
	7263.5	34.5	13.9	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.3dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0	Test Site:	AC1
Test Channel:	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
*	3252.5	41.8	3.4	45.2	90.1	-44.9	Peak	Horizontal
*	3573.1	36.8	4.0	40.8	90.1	-49.3	Peak	Horizontal
	4874.0	36.9	6.6	43.5	74.0	-30.5	Peak	Horizontal
	7311.0	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	3184.5	39.0	3.6	42.6	90.1	-47.5	Peak	Vertical
*	3512.9	36.9	3.9	40.9	90.1	-49.2	Peak	Vertical
	4874.0	36.1	6.6	42.7	74.0	-31.3	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 (110.1dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0	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	40.3	3.6	43.9	89.7	-45.8	Peak	Horizontal
*	3573.9	36.3	4.0	40.4	89.7	-49.3	Peak	Horizontal
	4924.0	36.3	6.7	43.1	74.0	-30.9	Peak	Horizontal
	7386.0	35.0	14.1	49.1	74.0	-24.9	Peak	Horizontal
*	3024.7	36.4	3.4	39.8	89.7	-49.9	Peak	Vertical
*	3503.6	37.1	3.9	41.0	89.7	-48.7	Peak	Vertical
	4874.0	36.0	6.6	42.6	74.0	-31.4	Peak	Vertical
	7386.0	34.4	14.1	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.7dBμV/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
*	3024.7	36.7	3.4	40.1	82.7	-42.6	Peak	Horizontal
*	3563.0	36.5	4.1	40.5	82.7	-42.2	Peak	Horizontal
	4824.0	35.8	6.4	42.2	74.0	-31.8	Peak	Horizontal
	7265.7	34.6	13.9	48.5	74.0	-25.5	Peak	Horizontal
*	3024.8	36.4	3.4	39.8	82.7	-42.9	Peak	Vertical
*	3536.7	36.9	4.0	40.9	82.7	-41.8	Peak	Vertical
	4824.0	35.2	6.4	41.6	74.0	-32.4	Peak	Vertical
	7256.7	34.6	13.9	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.7dBμV/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:	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	40.7	3.6	44.3	82.1	-37.8	Peak	Horizontal
*	3593.4	36.3	4.0	40.3	82.1	-41.8	Peak	Horizontal
	4874.0	35.8	6.6	42.4	74.0	-31.6	Peak	Horizontal
	7311.0	34.7	14.0	48.7	74.0	-25.3	Peak	Horizontal
*	3210.0	38.3	3.5	41.8	82.1	-40.3	Peak	Vertical
*	3572.1	37.2	4.0	41.2	82.1	-40.9	Peak	Vertical
	4874.0	35.8	6.6	42.4	74.0	-31.6	Peak	Vertical
	7311.0	34.4	14.0	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.1dBμV/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:	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	39.7	3.6	43.3	81.3	-38.0	Peak	Horizontal
*	3572.8	36.6	4.0	40.6	81.3	-40.7	Peak	Horizontal
	4924.0	36.1	6.7	42.8	74.0	-31.2	Peak	Horizontal
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Horizontal
*	3184.5	37.9	3.6	41.5	81.3	-39.8	Peak	Vertical
*	3533.0	38.3	4.0	42.3	81.3	-39.0	Peak	Vertical
	4924.0	36.2	6.7	42.9	74.0	-31.1	Peak	Vertical
	7386.0	34.6	14.1	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.3dBμV/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	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	42.0	3.5	45.5	89.5	-44.0	Peak	Horizontal
*	3573.7	36.2	4.0	40.2	89.5	-49.3	Peak	Horizontal
	4824.0	36.3	6.4	42.7	74.0	-31.3	Peak	Horizontal
	7263.8	35.2	13.9	49.0	74.0	-25.0	Peak	Horizontal
*	3218.5	39.8	3.5	43.3	89.5	-46.2	Peak	Vertical
*	3572.2	36.3	4.0	40.4	89.5	-49.1	Peak	Vertical
	4824.0	35.6	6.4	42.0	74.0	-32.0	Peak	Vertical
	7265.7	34.3	13.9	48.2	74.0	-25.8	Peak	Vertical

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

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

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

Test Mode:	802.11n-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
*	3252.5	41.1	3.4	44.4	89.6	-45.2	Peak	Horizontal
*	3568.5	37.0	4.0	41.1	89.6	-48.5	Peak	Horizontal
	4874.0	35.5	6.6	42.1	74.0	-31.9	Peak	Horizontal
	7311.0	34.2	14.0	48.2	74.0	-25.8	Peak	Horizontal
*	3184.5	38.7	3.6	42.2	89.6	-47.4	Peak	Vertical
*	3526.7	36.7	4.0	40.7	89.6	-48.9	Peak	Vertical
	4874.0	36.7	6.6	43.3	74.0	-30.7	Peak	Vertical
	7311.0	34.5	14.0	48.5	74.0	-25.5	Peak	Vertical

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

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

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

Test Mode:	802.11n-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	40.5	3.6	44.1	89.7	-45.6	Peak	Horizontal
*	3596.6	36.2	4.0	40.2	89.7	-49.5	Peak	Horizontal
	4924.0	35.5	6.7	42.3	74.0	-31.7	Peak	Horizontal
	7386.0	34.3	14.1	48.4	74.0	-25.6	Peak	Horizontal
*	3025.6	36.3	3.4	39.7	89.7	-50.0	Peak	Vertical
*	3568.3	35.8	4.0	39.8	89.7	-49.9	Peak	Vertical
	4924.0	36.3	6.7	43.1	74.0	-30.9	Peak	Vertical
	7386.0	34.4	14.1	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.7dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0	Test Site:	AC1
Test Channel:	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	41.2	3.5	44.6	86.5	-41.9	Peak	Horizontal
*	3524.1	38.0	3.9	41.9	86.5	-44.6	Peak	Horizontal
	4844.0	36.6	6.5	43.1	74.0	-30.9	Peak	Horizontal
	7266.0	34.6	13.9	48.5	74.0	-25.5	Peak	Horizontal
*	3142.0	37.8	3.6	41.4	86.5	-45.1	Peak	Vertical
*	4476.5	37.8	5.6	43.4	86.5	-43.1	Peak	Vertical
	4844.0	36.2	6.5	42.6	74.0	-31.4	Peak	Vertical
	7266.0	34.6	13.9	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.5dBμV/m).

Note 2: Measure 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
*	3184.5	40.9	3.6	44.5	85.5	-41.0	Peak	Horizontal
*	3483.7	38.0	3.8	41.8	85.5	-43.7	Peak	Horizontal
	4874.0	36.9	6.6	43.5	74.0	-30.5	Peak	Horizontal
	7311.0	34.8	14.0	48.8	74.0	-25.2	Peak	Horizontal
*	3218.5	39.0	3.5	42.5	85.5	-43.0	Peak	Vertical
*	3596.7	35.7	4.0	39.7	85.5	-45.8	Peak	Vertical
	4874.0	35.6	6.6	42.2	74.0	-31.8	Peak	Vertical
	7311.0	34.0	14.0	48.0	74.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.5dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3184.5	41.2	3.6	44.8	84.7	-39.9	Peak	Horizontal
*	3562.3	36.7	4.1	40.8	84.7	-43.9	Peak	Horizontal
	4904.0	36.9	6.7	43.6	74.0	-30.4	Peak	Horizontal
	7356.0	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
*	3025.0	37.2	3.4	40.6	84.7	-44.1	Peak	Vertical
*	3502.7	37.0	3.9	40.8	84.7	-43.9	Peak	Vertical
	4904.0	36.4	6.7	43.1	74.0	-30.9	Peak	Vertical
	7356.0	34.3	14.0	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.7dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 1	Test Site:	AC1
Test Channel:	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
*	3184.5	40.2	3.6	43.8	80.2	-36.4	Peak	Horizontal
*	3541.5	37.1	4.0	41.1	80.2	-39.1	Peak	Horizontal
	4844.0	36.9	6.5	43.3	74.0	-30.7	Peak	Horizontal
	7266.0	34.1	13.9	48.0	74.0	-26.0	Peak	Horizontal
*	3024.9	36.5	3.4	39.9	80.2	-40.3	Peak	Vertical
*	3536.1	36.7	4.0	40.7	80.2	-39.5	Peak	Vertical
	4844.0	36.1	6.5	42.6	74.0	-31.4	Peak	Vertical
	7266.0	34.8	13.9	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.2dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3025.4	37.1	3.4	40.5	79.8	-39.3	Peak	Horizontal
*	3564.0	37.1	4.1	41.2	79.8	-38.6	Peak	Horizontal
	4874.0	36.1	6.6	42.7	74.0	-31.3	Peak	Horizontal
	7311.0	35.0	14.0	49.0	74.0	-25.0	Peak	Horizontal
*	3024.1	36.1	3.4	39.5	79.8	-40.3	Peak	Vertical
*	3569.5	36.9	4.0	40.9	79.8	-38.9	Peak	Vertical
	4874.0	36.1	6.6	42.7	74.0	-31.3	Peak	Vertical
	7311.0	34.4	14.0	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (99.8dBμV/m).

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

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

Test Mode:	802.11n-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
*	3184.5	41.0	3.6	44.5	79.5	-35.0	Peak	Horizontal
*	3593.5	36.1	4.0	40.1	79.5	-39.4	Peak	Horizontal
	4904.0	35.7	6.7	42.4	74.0	-31.6	Peak	Horizontal
	7356.0	35.3	14.0	49.3	74.0	-24.7	Peak	Horizontal
*	3024.6	36.1	3.4	39.5	79.5	-40.0	Peak	Vertical
*	3563.4	36.7	4.1	40.8	79.5	-38.7	Peak	Vertical
	4904.0	36.2	6.7	42.9	74.0	-31.1	Peak	Vertical
	7356.0	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 (99.5dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	3227.0	40.8	3.5	44.3	85.6	-41.3	Peak	Horizontal
*	3572.6	37.5	4.0	41.6	85.6	-44.0	Peak	Horizontal
	4844.0	37.3	6.5	43.7	74.0	-30.3	Peak	Horizontal
	7266.0	35.3	13.9	49.2	74.0	-24.8	Peak	Horizontal
*	3218.5	38.6	3.5	42.1	85.6	-43.5	Peak	Vertical
*	3593.7	36.2	4.0	40.2	85.6	-45.4	Peak	Vertical
	4844.0	36.8	6.5	43.3	74.0	-30.7	Peak	Vertical
	7266.0	34.2	13.9	48.1	74.0	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.6dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC1
Test Channel:	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
*	3252.5	40.5	3.4	43.8	85.7	-41.9	Peak	Horizontal
*	3526.5	36.5	4.0	40.4	85.7	-45.3	Peak	Horizontal
	4874.0	36.5	6.6	43.1	74.0	-30.9	Peak	Horizontal
	7311.0	34.9	14.0	48.9	74.0	-25.1	Peak	Horizontal
*	3045.7	36.5	3.4	40.0	85.7	-45.7	Peak	Vertical
*	3563.3	36.2	4.1	40.3	85.7	-45.5	Peak	Vertical
	4874.0	36.0	6.6	42.6	74.0	-31.4	Peak	Vertical
	7311.0	34.5	14.0	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.7dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 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	85.9	-42.5	Peak	Horizontal
*	3562.7	36.5	4.1	40.5	85.9	-45.4	Peak	Horizontal
	4904.0	35.7	6.7	42.4	74.0	-31.6	Peak	Horizontal
	7356.0	34.5	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	3025.7	36.8	3.4	40.2	85.9	-45.7	Peak	Vertical
*	3504.6	37.7	3.9	41.5	85.9	-44.4	Peak	Vertical
	4904.0	37.0	6.7	43.7	74.0	-30.3	Peak	Vertical
	7356.0	35.3	14.0	49.4	74.0	-24.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.9dBμV/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:	802.11a - 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

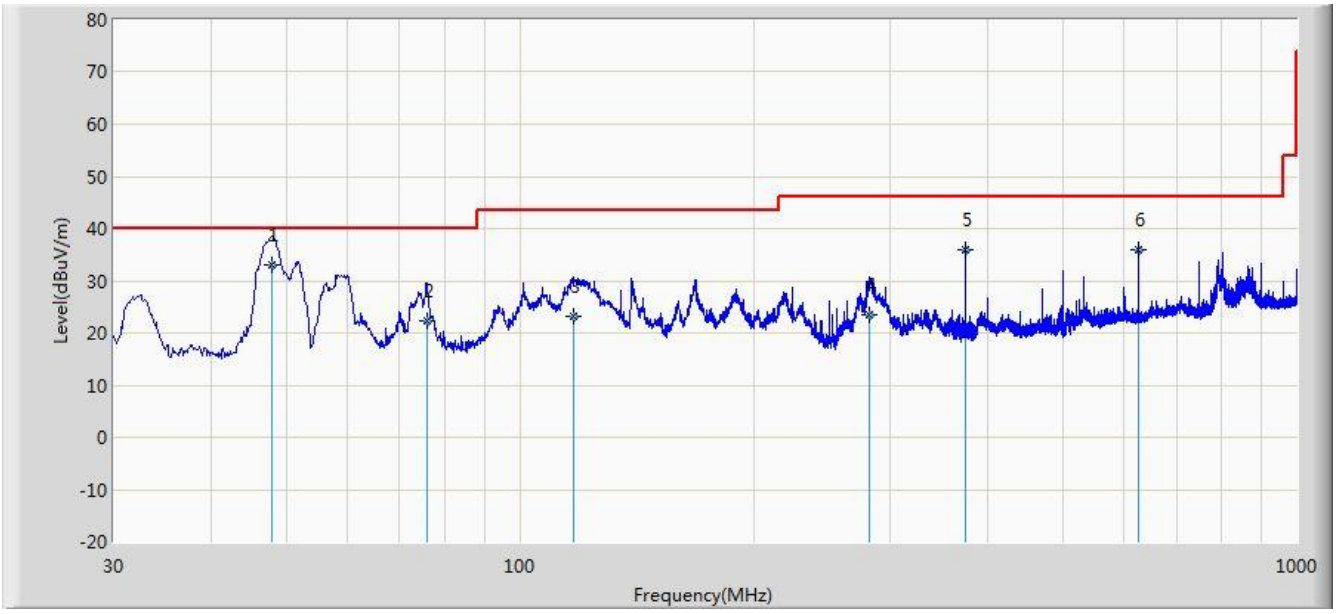
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.8dBμV/m).

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	

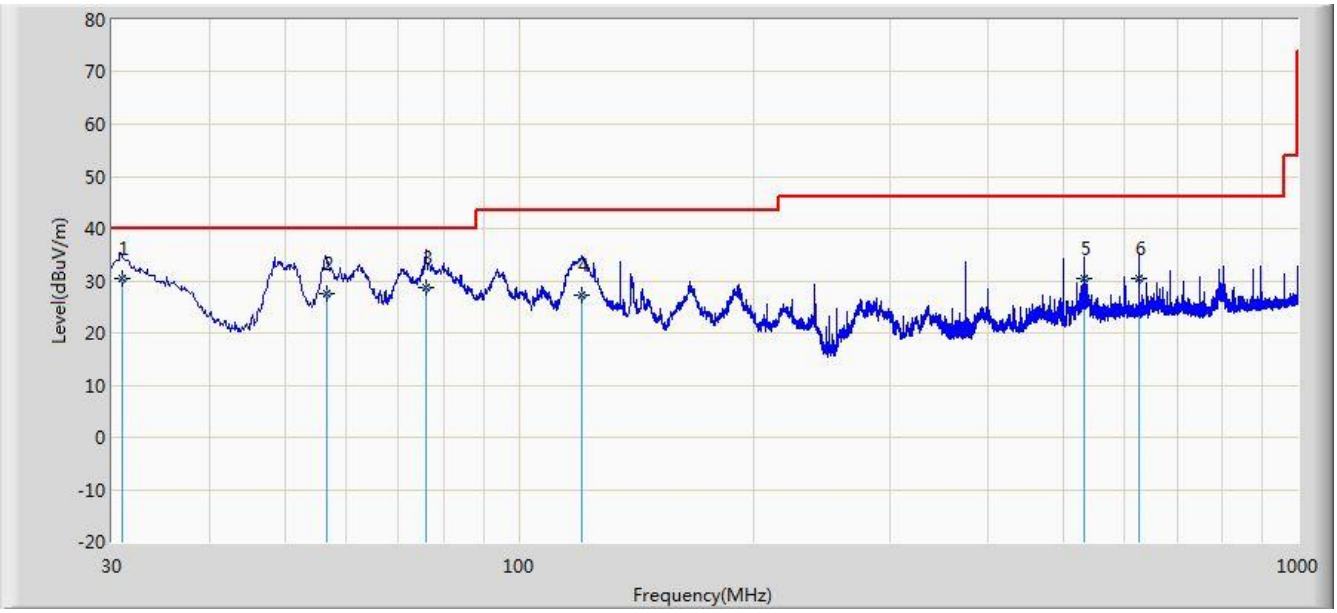


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	47.945	33.151	18.360	-6.849	40.000	14.792	QP
2			75.833	22.228	12.900	-17.772	40.000	9.328	QP
3			117.201	23.141	11.700	-20.359	43.500	11.441	QP
4			281.959	23.394	9.600	-22.606	46.000	13.794	QP
5			374.992	35.832	20.100	-10.168	46.000	15.732	QP
6			625.003	35.922	16.200	-10.078	46.000	19.722	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 - 13:38
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	

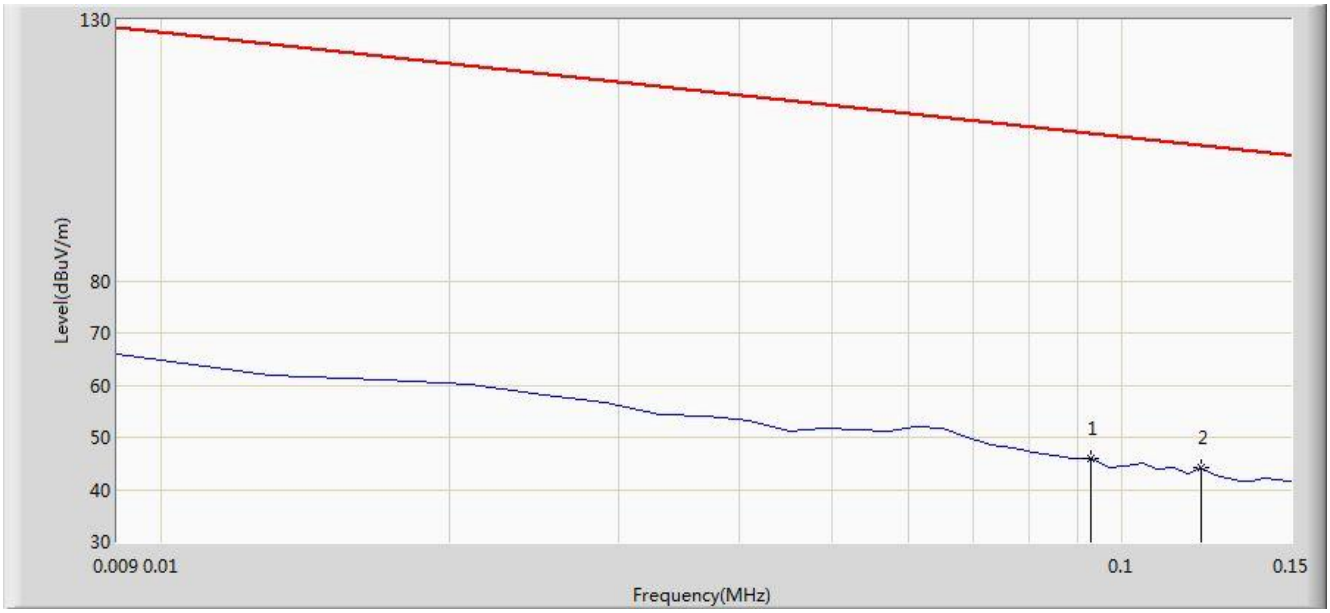


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	30.937	30.372	18.300	-9.628	40.000	12.072	QP
2			56.581	27.646	13.400	-12.354	40.000	14.246	QP
3			75.965	28.796	19.500	-11.204	40.000	9.296	QP
4			120.238	27.373	16.400	-16.127	43.500	10.973	QP
5			531.260	30.387	12.200	-15.613	46.000	18.187	QP
6			624.999	30.522	10.800	-15.478	46.000	19.722	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.	

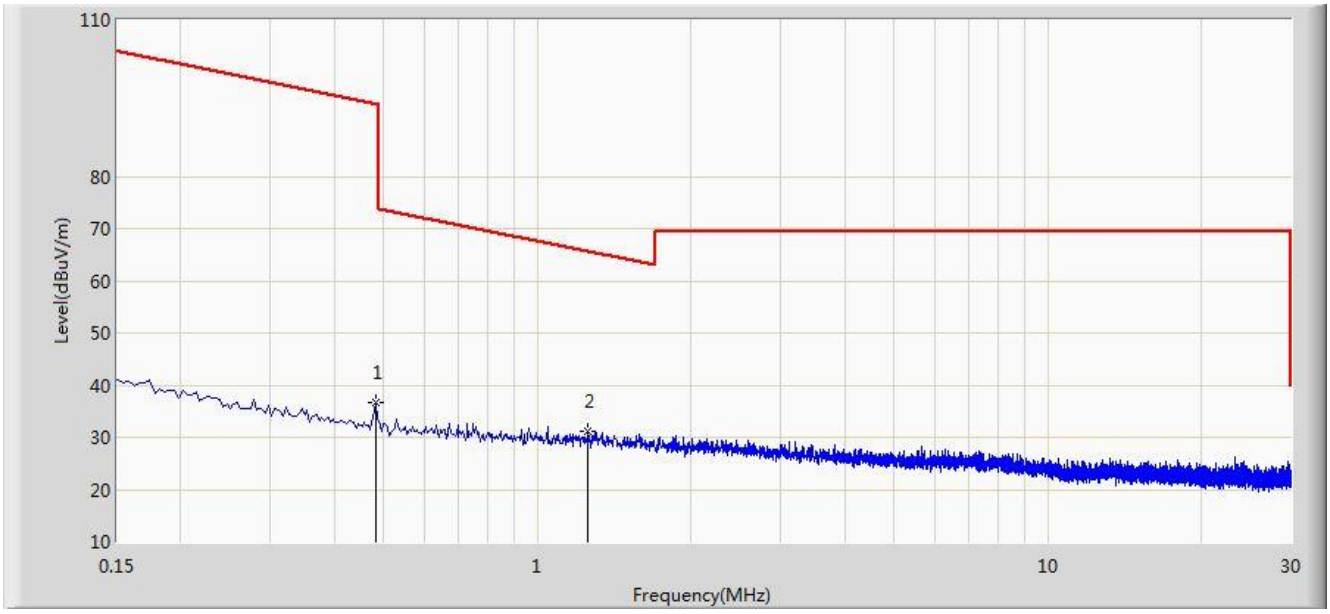


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			0.093	46.049	25.820	-62.178	108.226	20.229	QP
2		*	0.121	44.063	23.875	-61.879	105.942	20.188	QP

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)

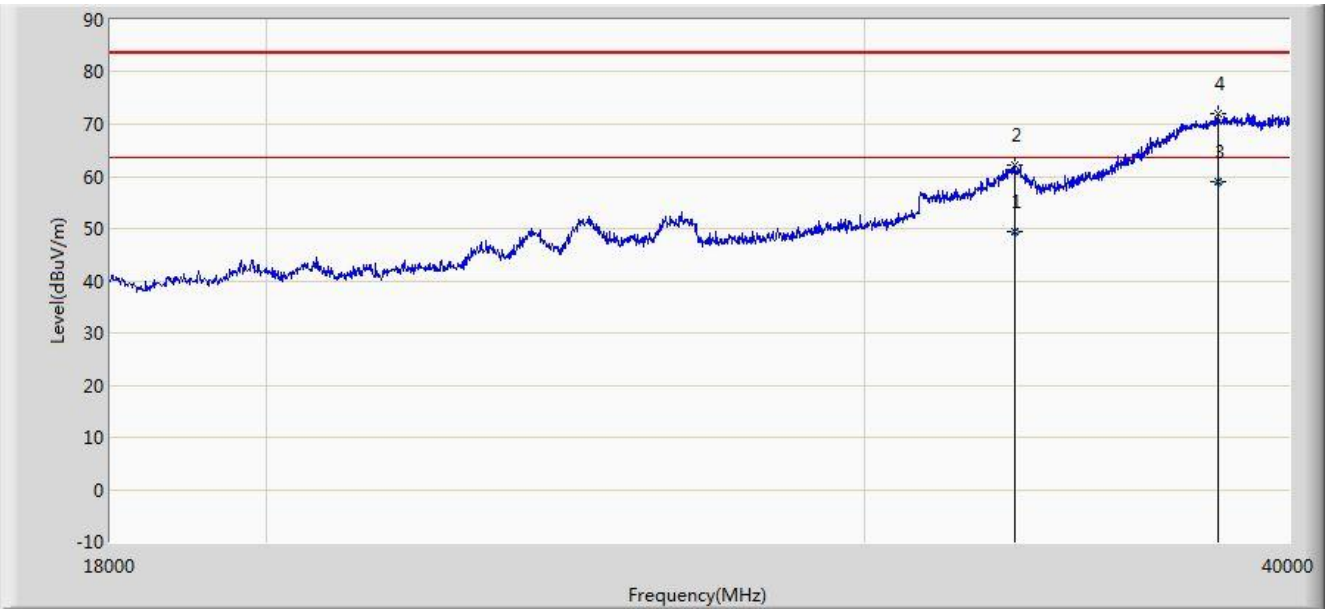
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/27 - 12:31
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGU	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

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

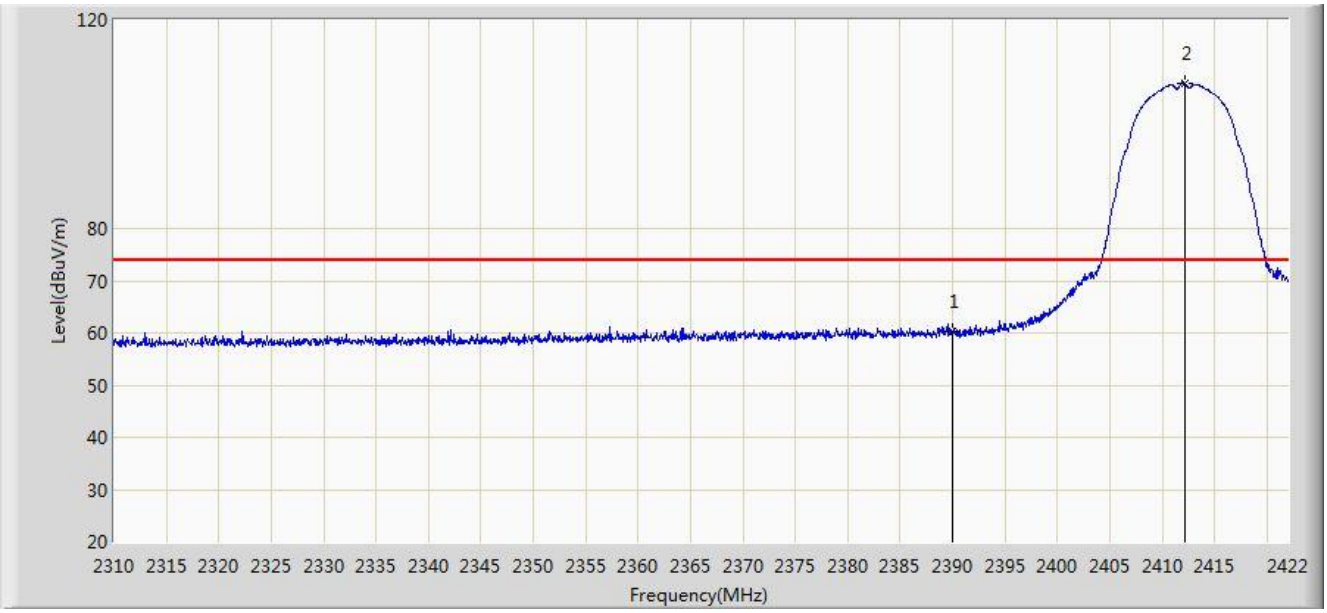
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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: 2014/07/23 - 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

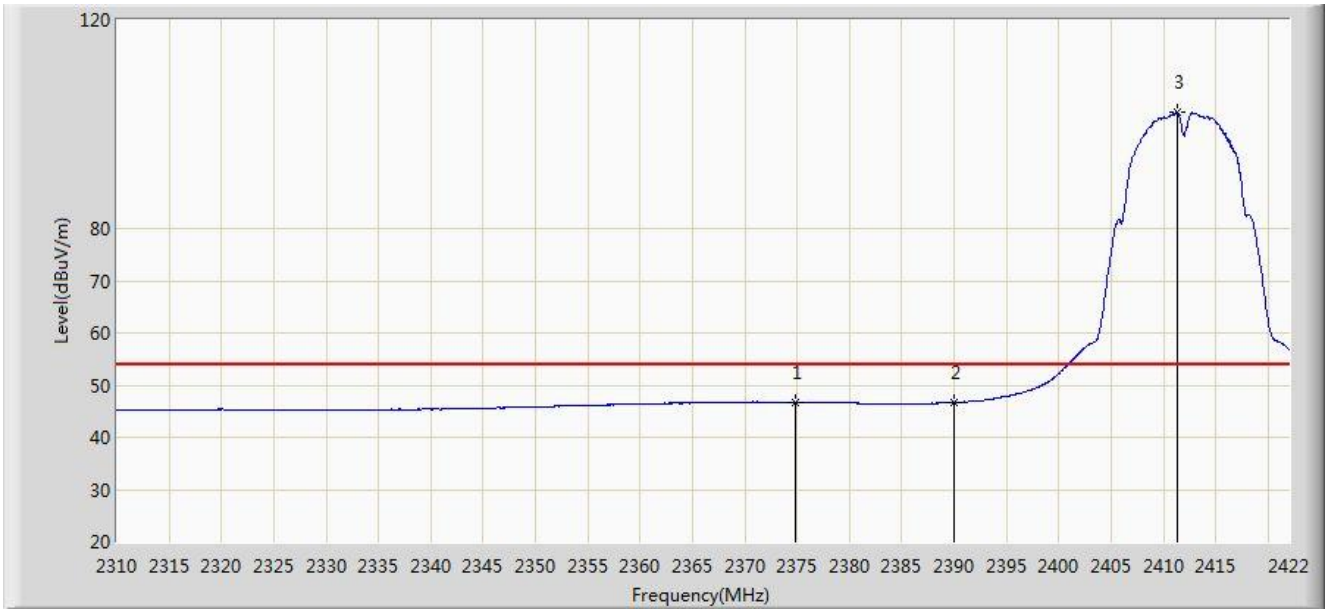


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	60.206	29.522	-13.794	74.000	30.684	PK
2		*	2412.200	107.811	77.167	N/A	N/A	30.644	PK

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: 2014/07/23 - 16:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

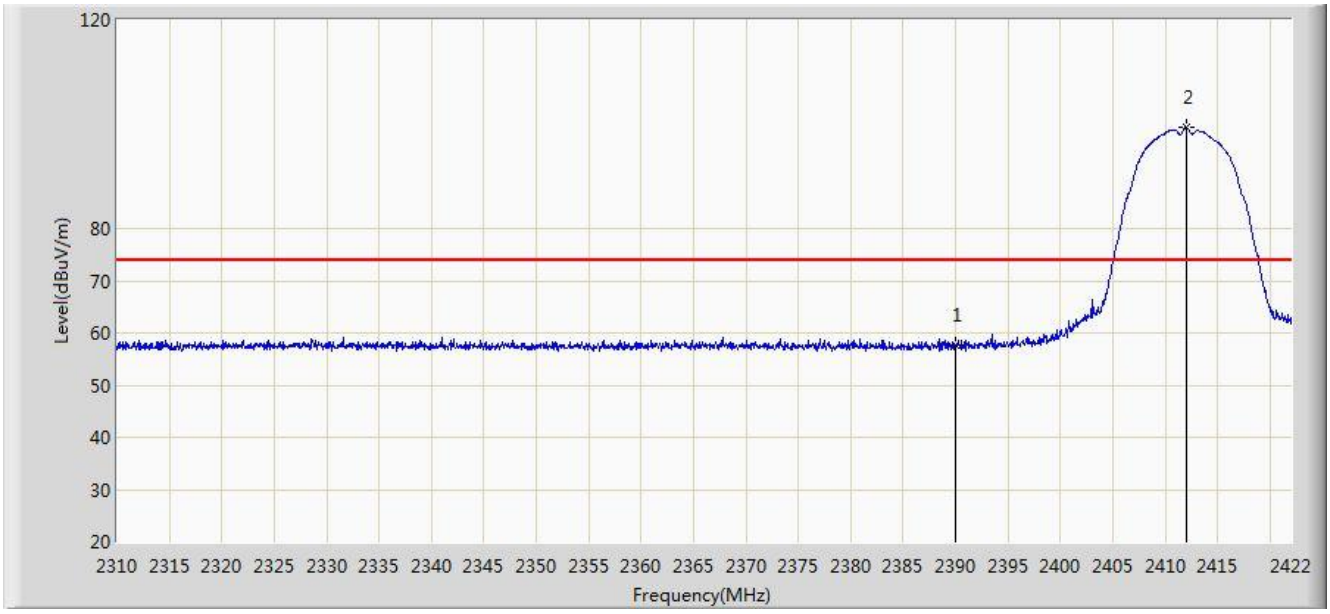


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.904	46.702	15.984	-7.298	54.000	30.718	AV
2			2390.000	46.640	15.956	-7.360	54.000	30.684	AV
3		*	2411.304	102.266	71.620	N/A	N/A	30.646	AV

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: 2014/07/23 - 16:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

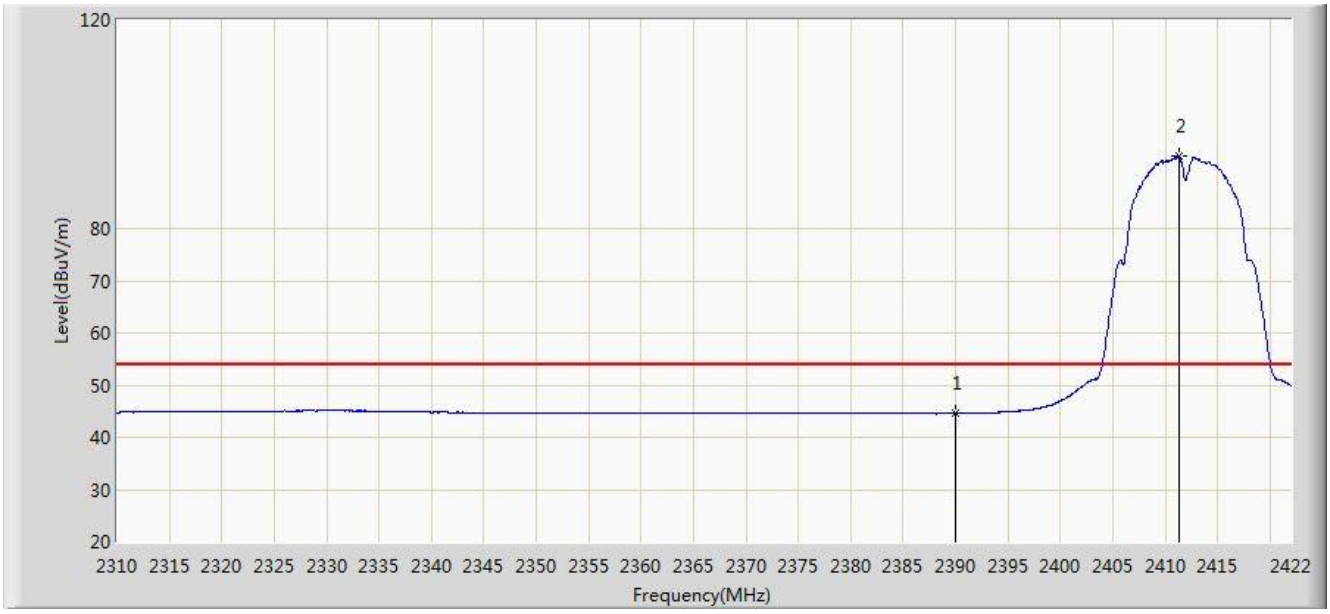


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.543	26.859	-16.457	74.000	30.684	PK
2		*	2412.032	99.284	68.639	N/A	N/A	30.645	PK

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: 2014/07/23 - 16:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2412MHz Ant 0	

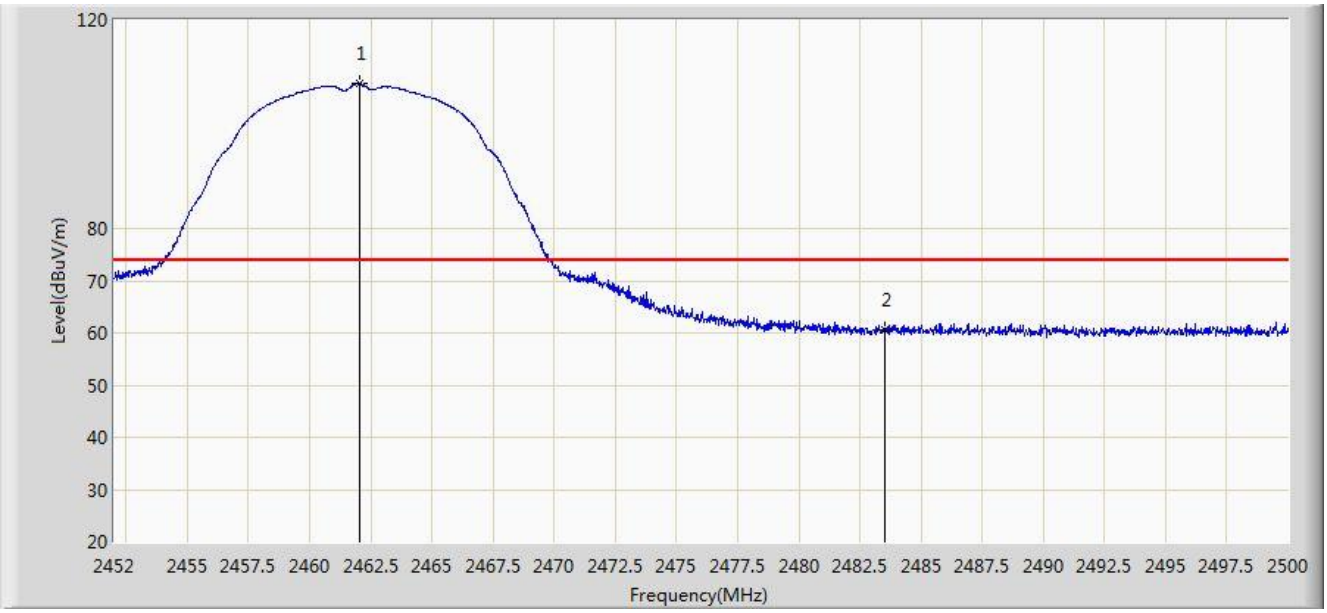


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.549	13.865	-9.451	54.000	30.684	AV
2		*	2411.304	93.899	63.253	N/A	N/A	30.646	AV

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: 2014/07/23 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	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		*	2462.056	107.816	77.205	N/A	N/A	30.611	PK
2			2483.500	60.476	29.803	-13.524	74.000	30.673	PK

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

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

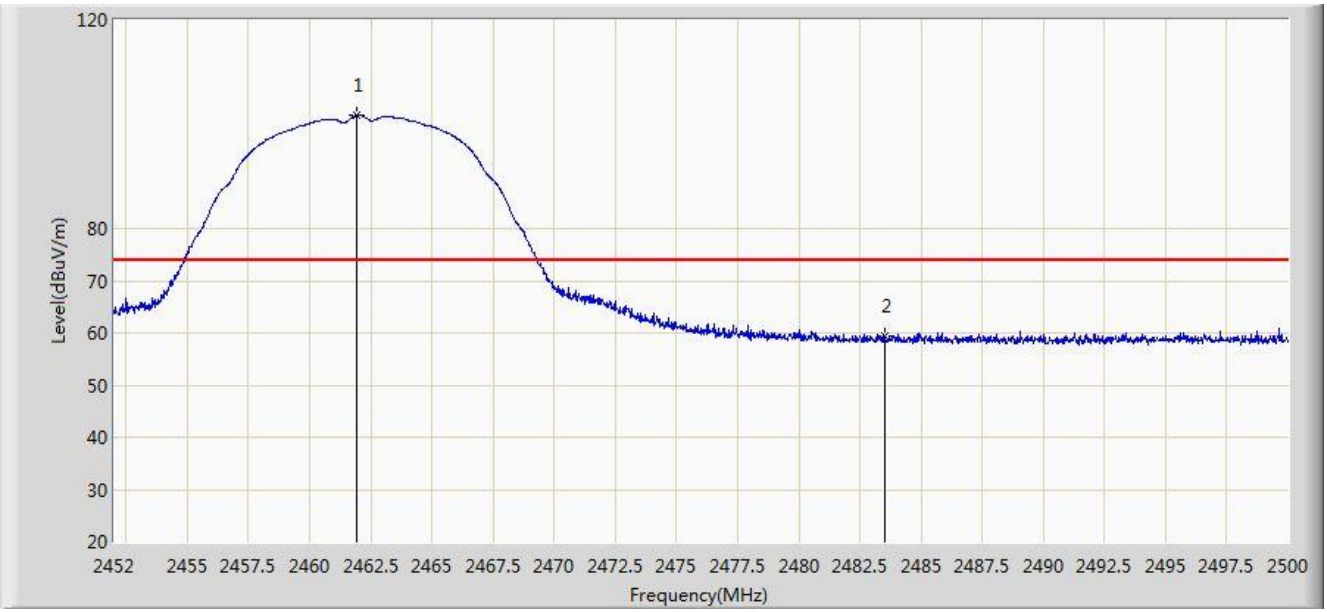
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 16:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	101.935	71.325	N/A	N/A	30.611	AV
2			2483.500	47.425	16.752	-6.575	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: 2014/07/23 - 16:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

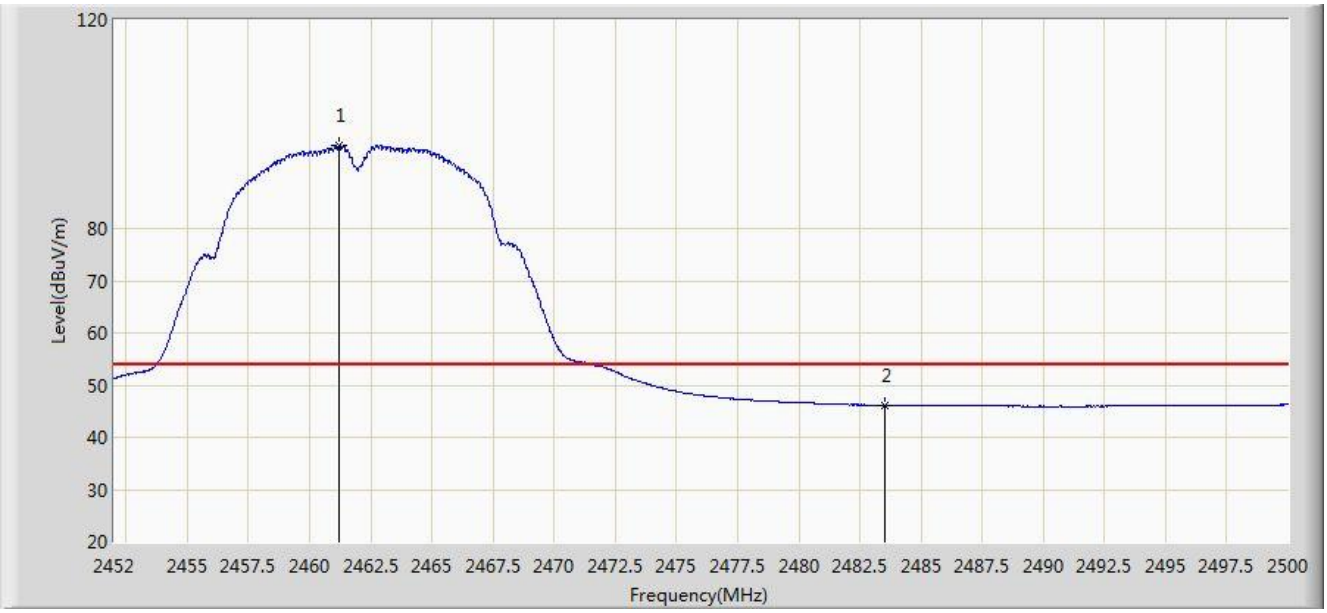


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.912	101.705	71.094	N/A	N/A	30.611	PK
2			2483.500	59.324	28.651	-14.676	74.000	30.673	PK

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: 2014/07/23 - 17:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11b at channel 2462MHz Ant 0	

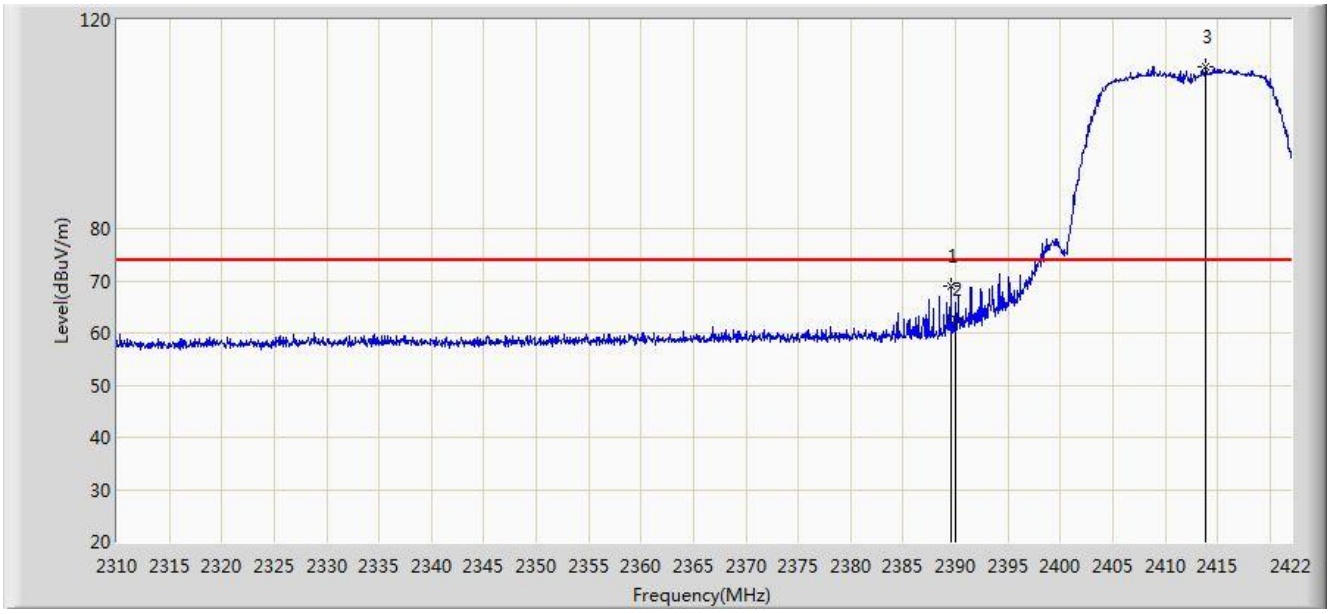


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.216	95.979	65.369	N/A	N/A	30.611	AV
2			2483.500	46.183	15.510	-7.817	54.000	30.673	AV

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: 2014/07/23 - 17:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

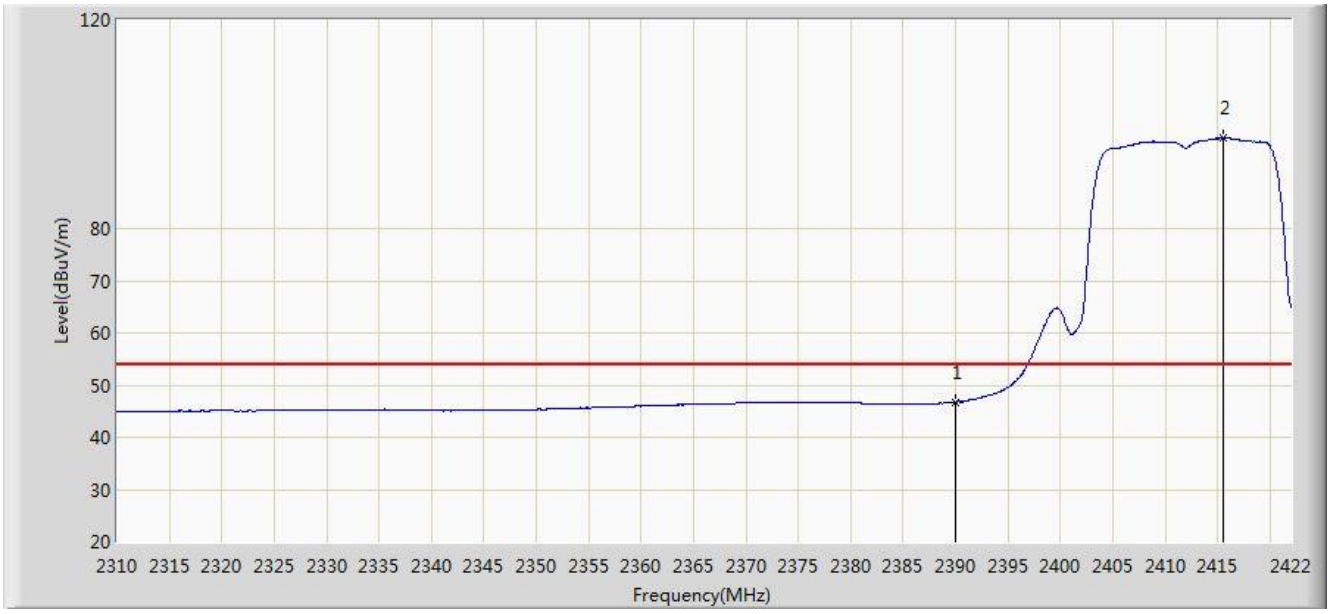


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.520	68.972	38.287	-5.028	74.000	30.685	PK
2			2390.000	62.495	31.811	-11.505	74.000	30.684	PK
3		*	2413.880	111.154	80.512	N/A	N/A	30.641	PK

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: 2014/07/23 - 17:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

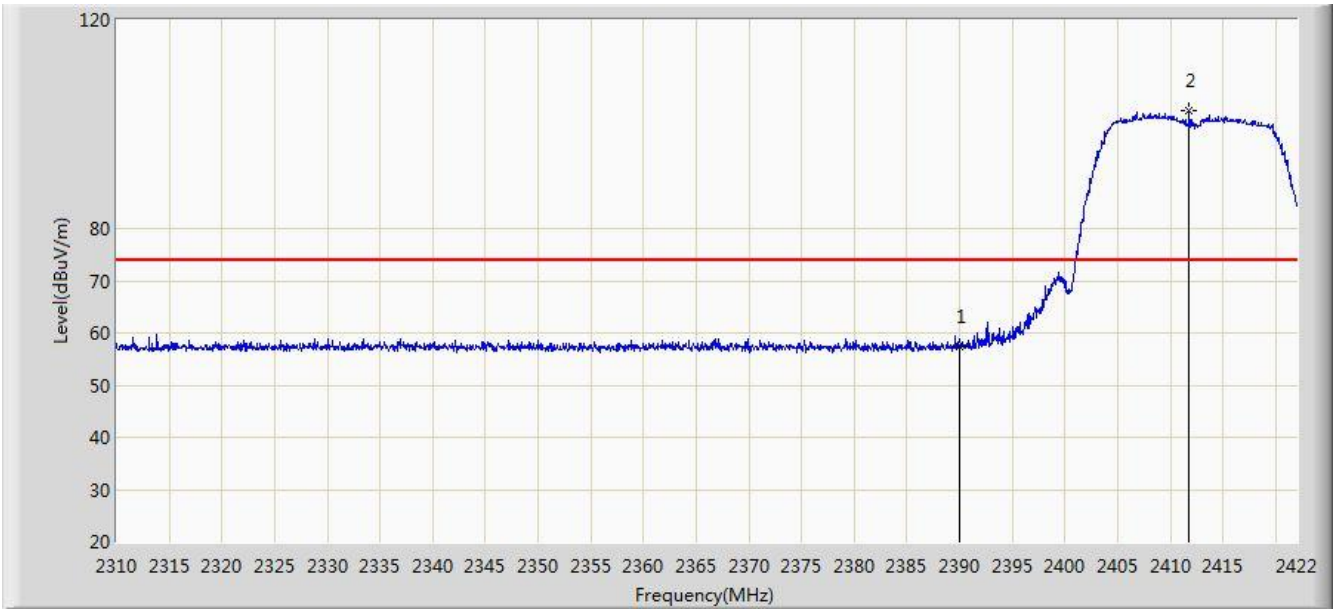


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.730	16.046	-7.270	54.000	30.684	AV
2		*	2415.504	97.291	66.652	N/A	N/A	30.640	AV

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: 2014/07/23 - 17:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

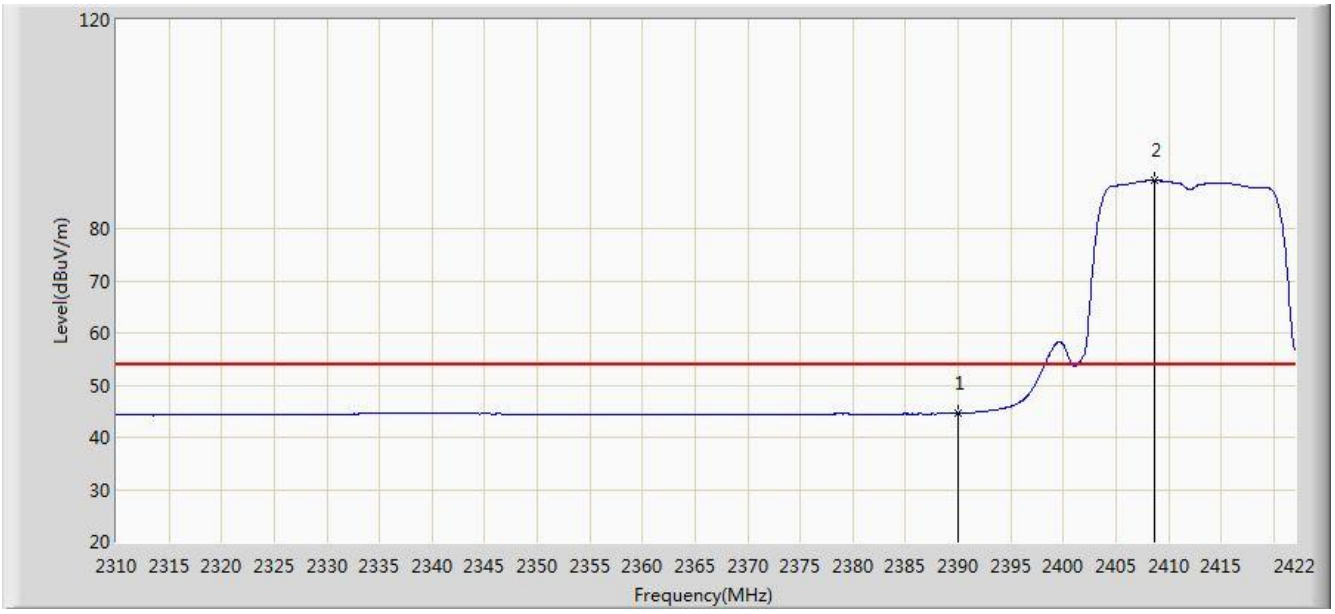


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.401	26.717	-16.599	74.000	30.684	PK
2		*	2411.808	102.555	71.910	N/A	N/A	30.645	PK

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: 2014/07/23 - 17:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2412MHz Ant 0	

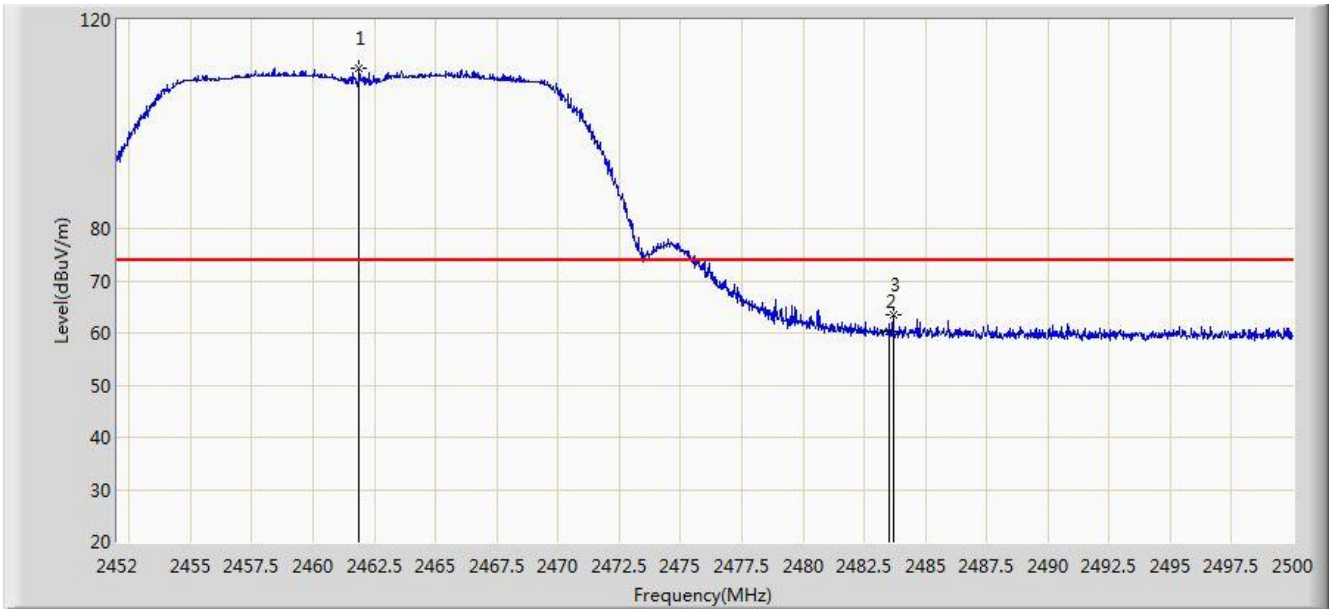


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.601	13.917	-9.399	54.000	30.684	AV
2		*	2408.728	89.217	58.567	N/A	N/A	30.650	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

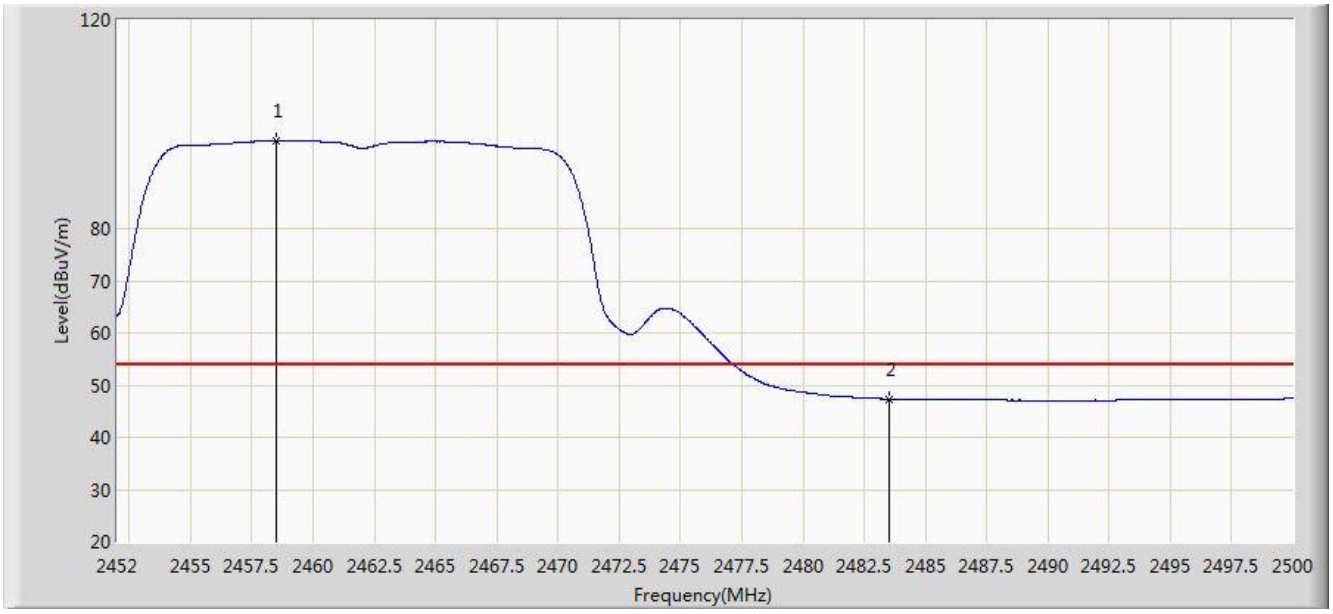


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.888	110.794	80.183	N/A	N/A	30.611	PK
2			2483.500	60.309	29.636	-13.691	74.000	30.673	PK
3			2483.680	63.529	32.856	-10.471	74.000	30.673	PK

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: 2014/07/23 - 17:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

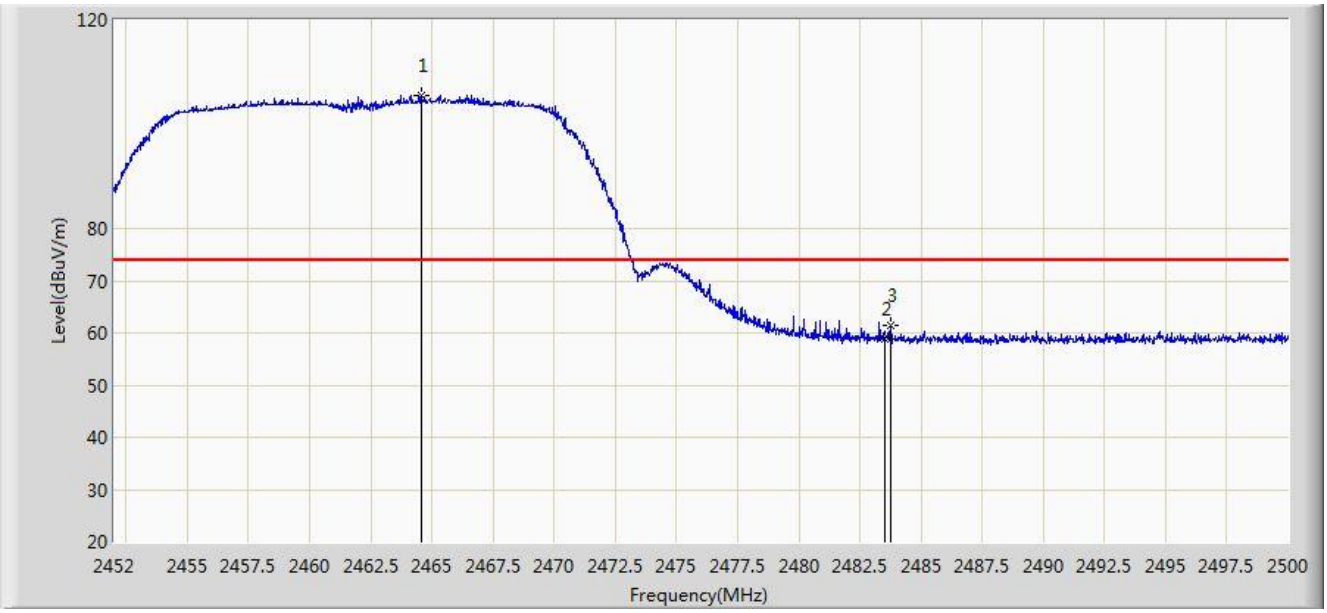


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.480	96.925	66.319	N/A	N/A	30.606	AV
2			2483.500	47.375	16.702	-6.625	54.000	30.673	AV

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: 2014/07/23 - 17:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

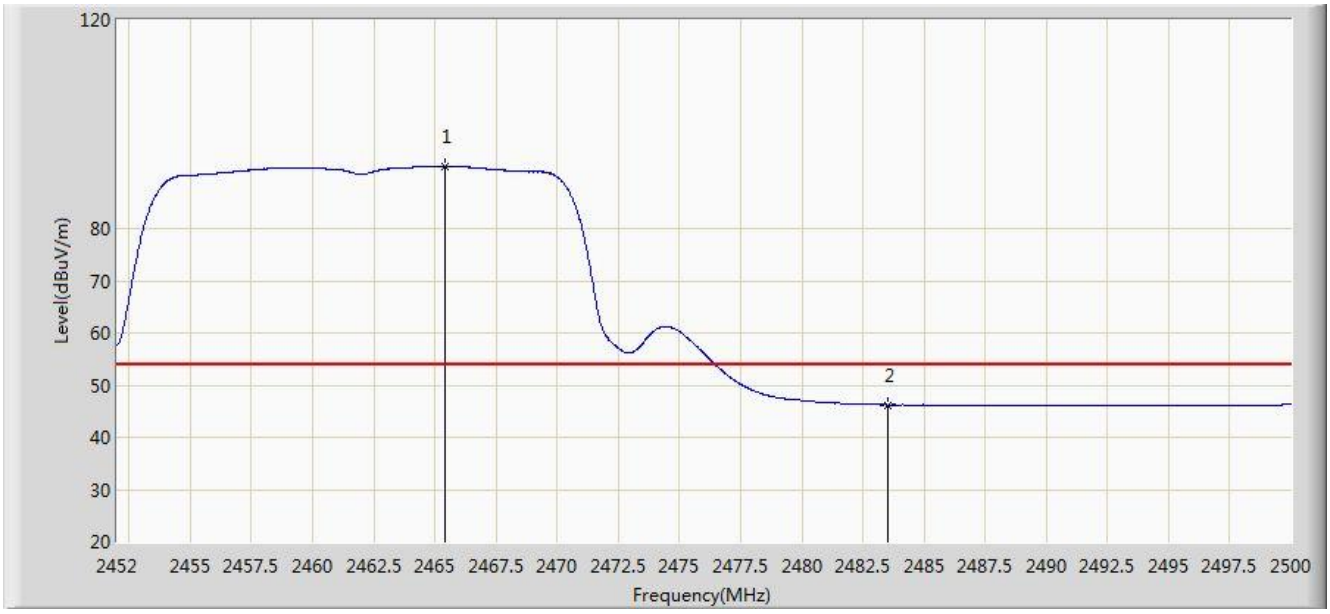


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.552	105.411	74.794	N/A	N/A	30.617	PK
2			2483.500	58.784	28.111	-15.216	74.000	30.673	PK
3			2483.752	61.455	30.782	-12.545	74.000	30.673	PK

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: 2014/07/23 - 17:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11g at channel 2462MHz Ant 0	

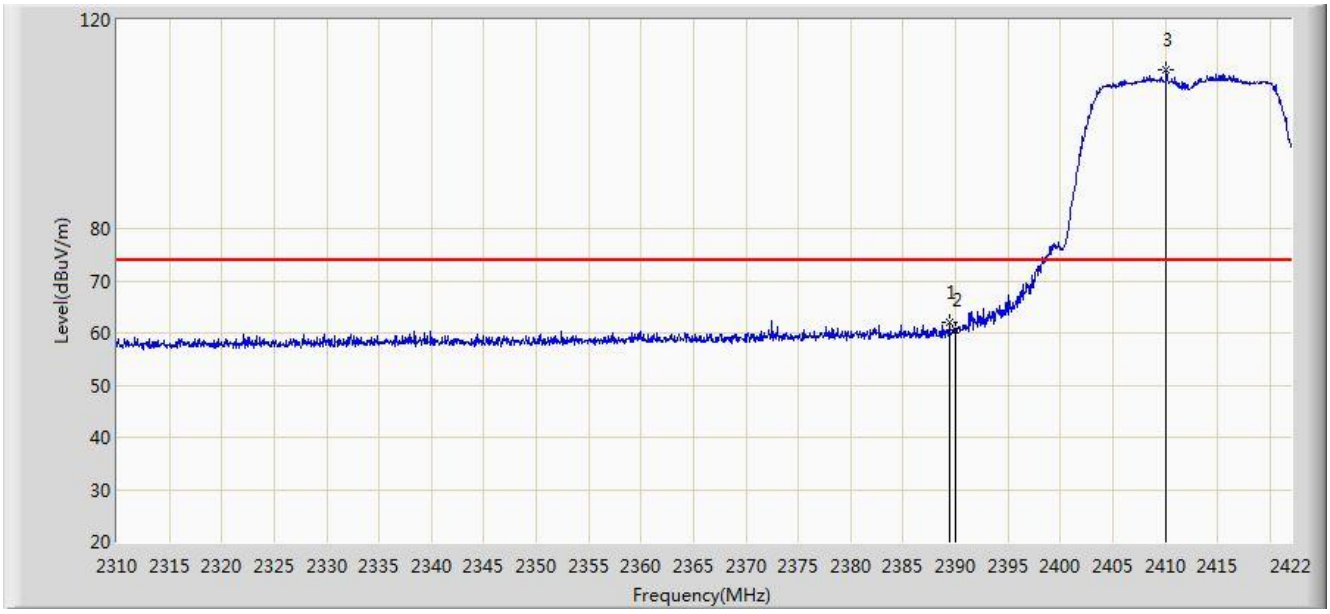


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.416	91.928	61.308	N/A	N/A	30.620	AV
2			2483.500	46.215	15.542	-7.785	54.000	30.673	AV

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: 2014/07/23 - 17:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

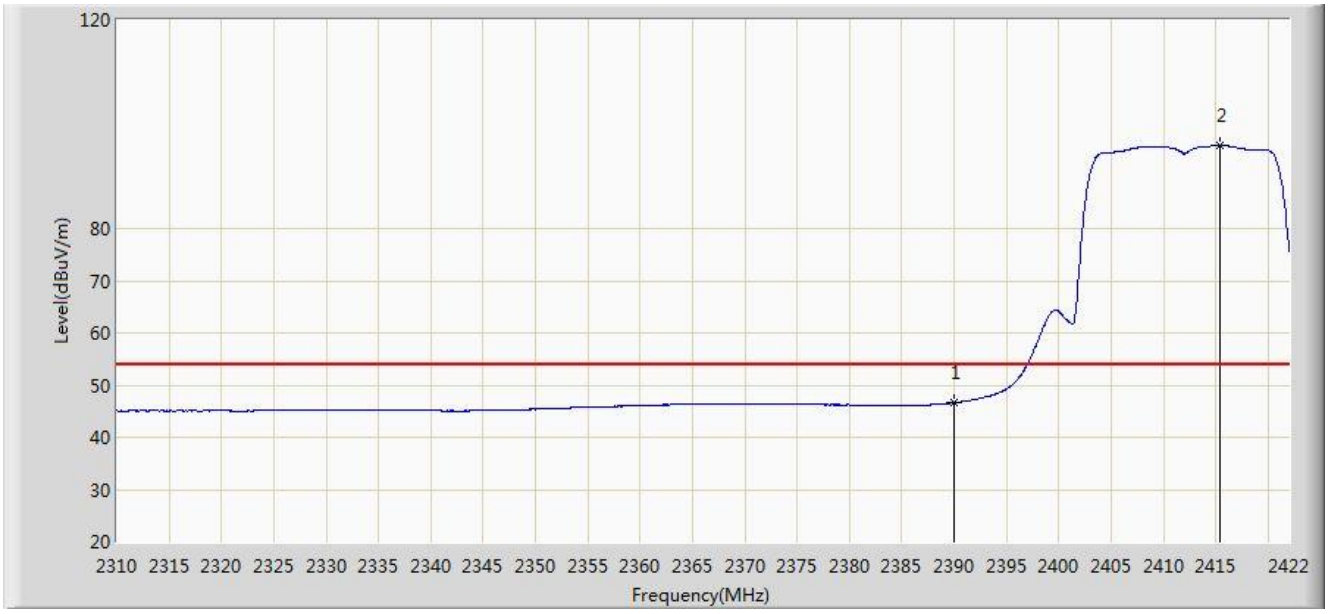


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.408	62.151	31.466	-11.849	74.000	30.685	PK
2			2390.000	60.551	29.867	-13.449	74.000	30.684	PK
3		*	2410.128	110.328	79.680	N/A	N/A	30.647	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

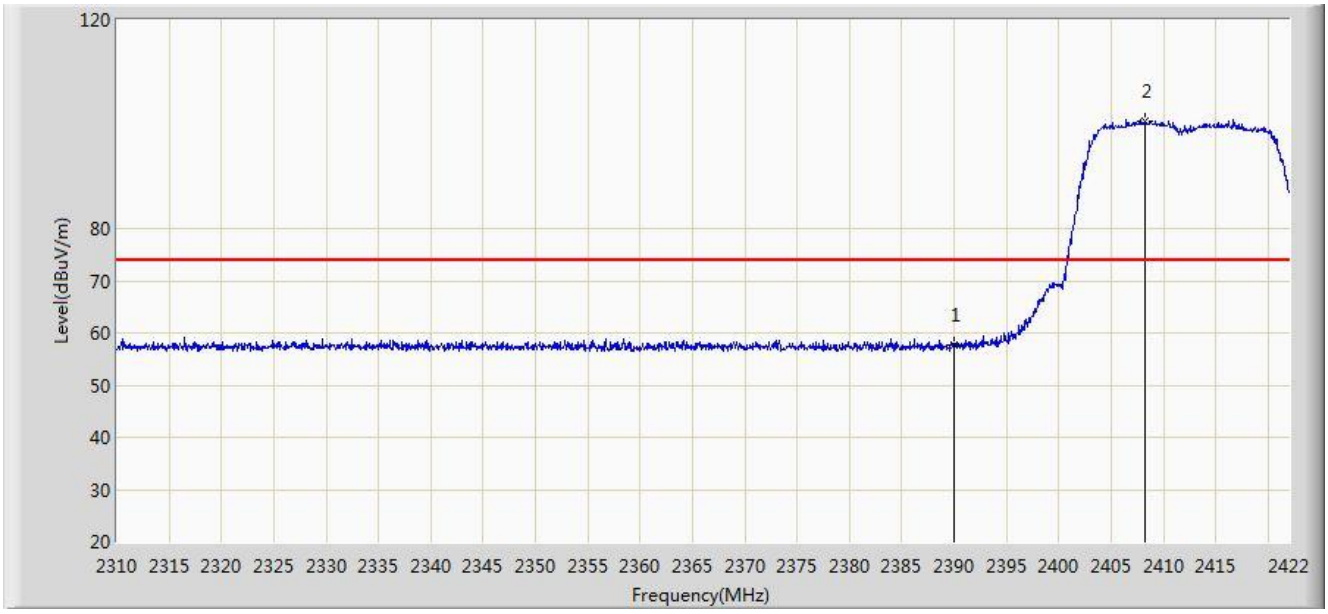


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.611	15.927	-7.389	54.000	30.684	AV
2		*	2415.336	95.935	65.295	N/A	N/A	30.640	AV

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: 2014/07/23 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

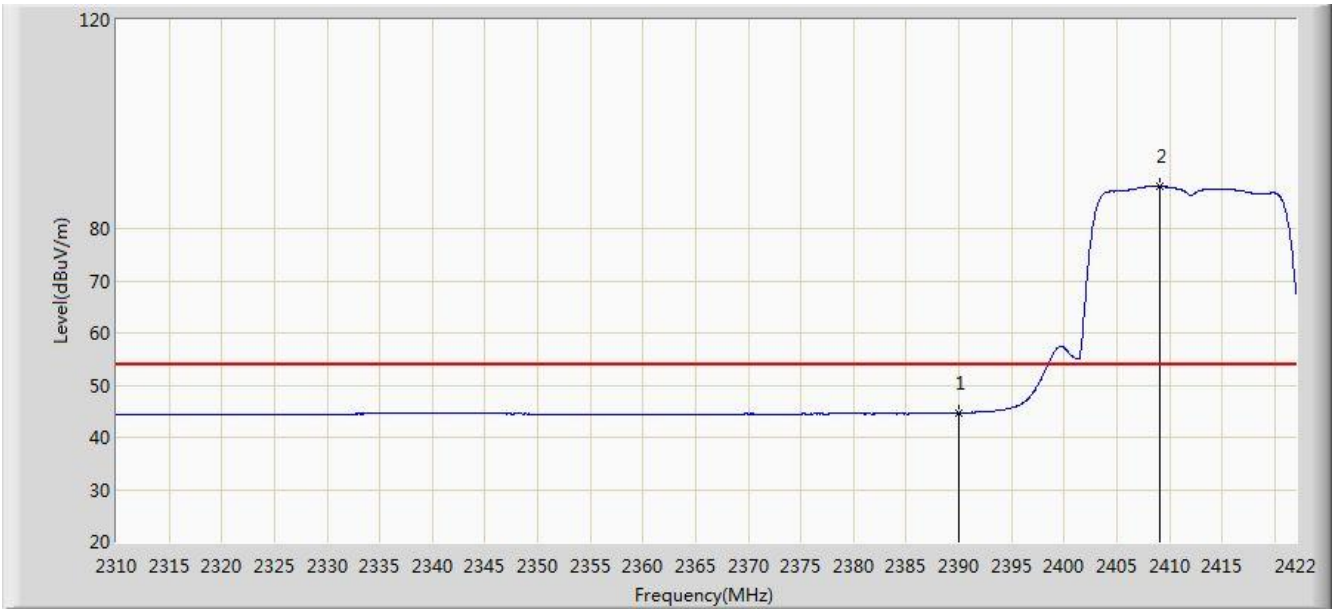


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.794	27.110	-16.206	74.000	30.684	PK
2		*	2408.224	100.679	70.028	N/A	N/A	30.651	PK

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: 2014/07/23 - 17:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0	

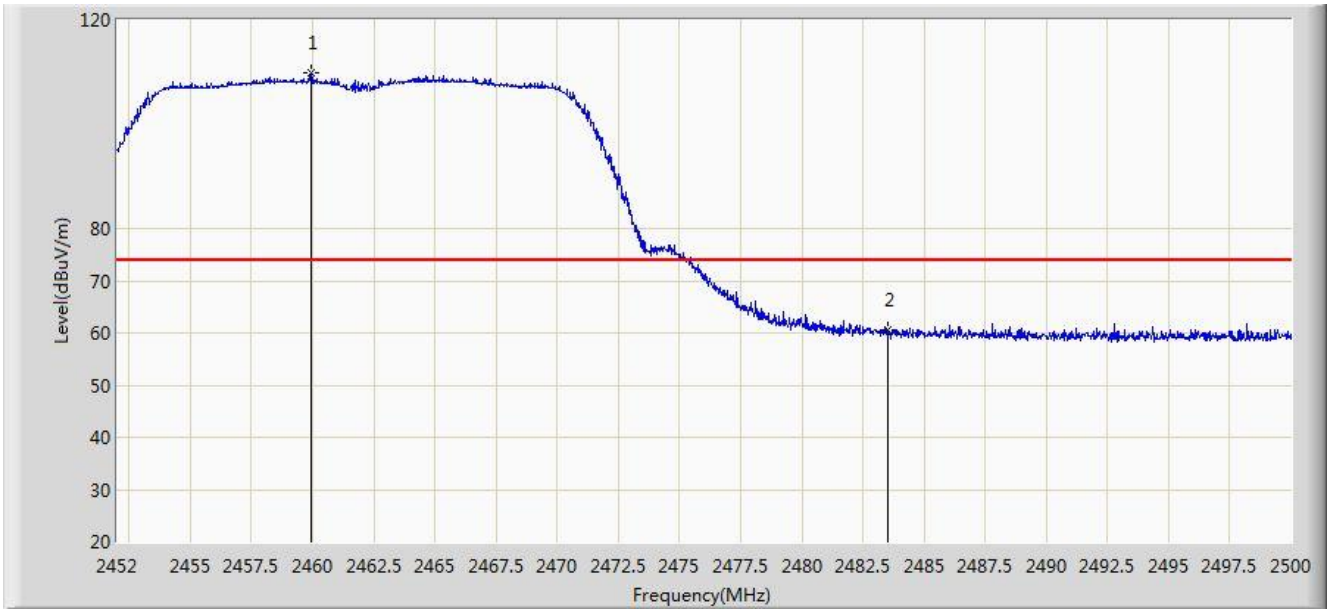


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.675	13.991	-9.325	54.000	30.684	AV
2		*	2409.064	88.050	57.401	N/A	N/A	30.649	AV

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: 2014/07/23 - 17:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	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		*	2459.920	109.726	79.118	N/A	N/A	30.608	PK
2			2483.500	60.531	29.858	-13.469	74.000	30.673	PK

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

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

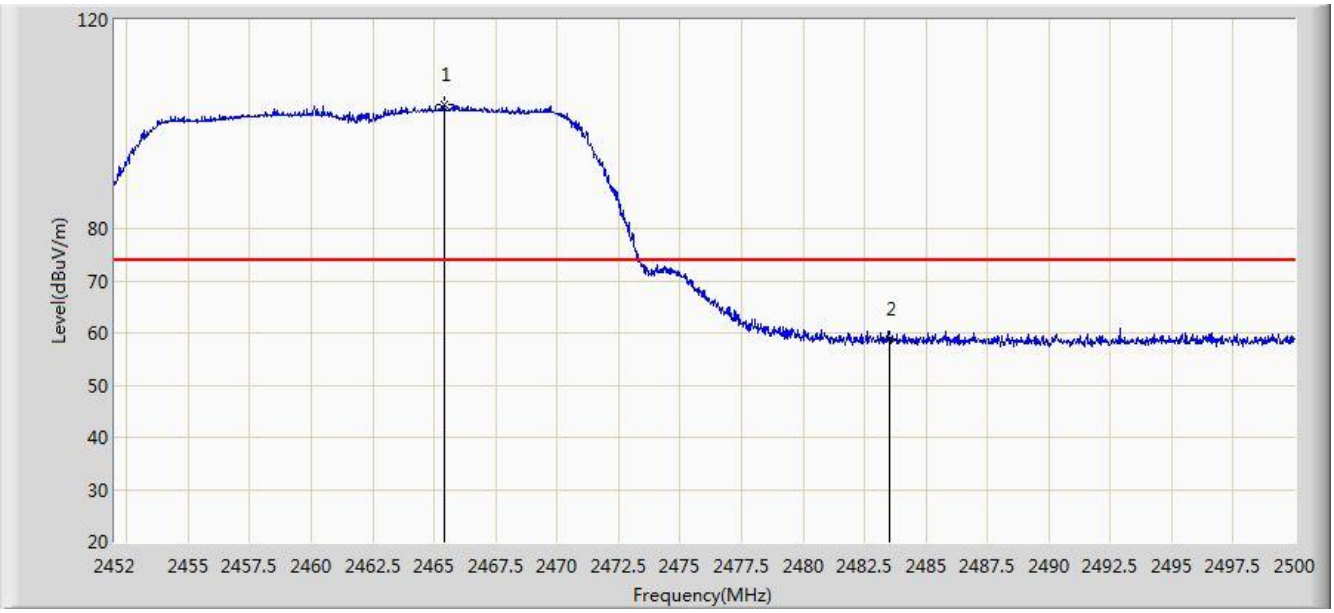
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.056	95.734	65.127	N/A	N/A	30.607	AV
2			2483.500	47.490	16.817	-6.510	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: 2014/07/23 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

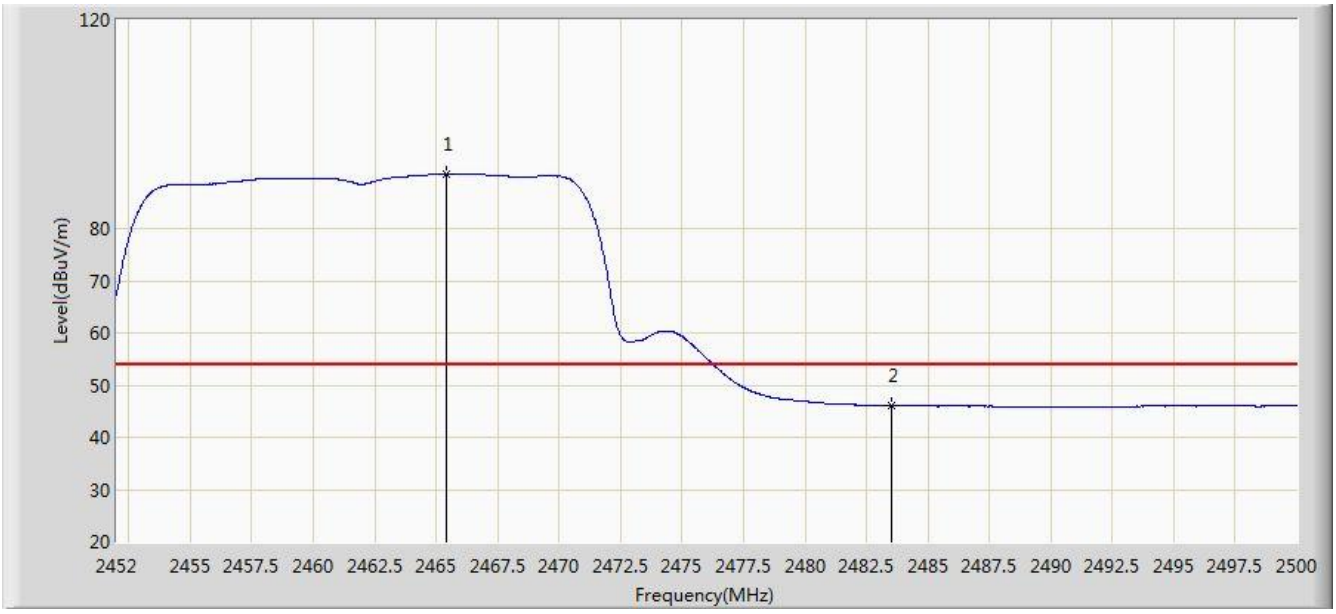


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.392	103.751	73.131	N/A	N/A	30.620	PK
2			2483.500	58.817	28.144	-15.183	74.000	30.673	PK

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: 2014/07/23 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0	

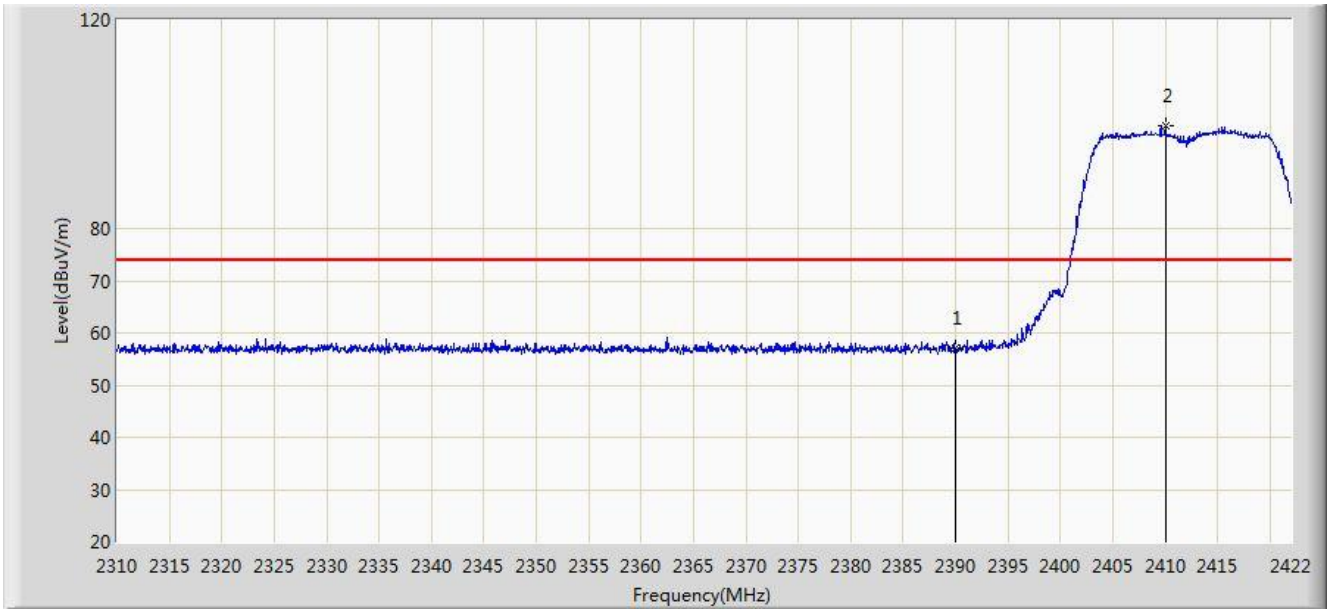


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.416	90.482	59.862	N/A	N/A	30.620	AV
2			2483.500	46.082	15.409	-7.918	54.000	30.673	AV

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: 2014/07/23 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

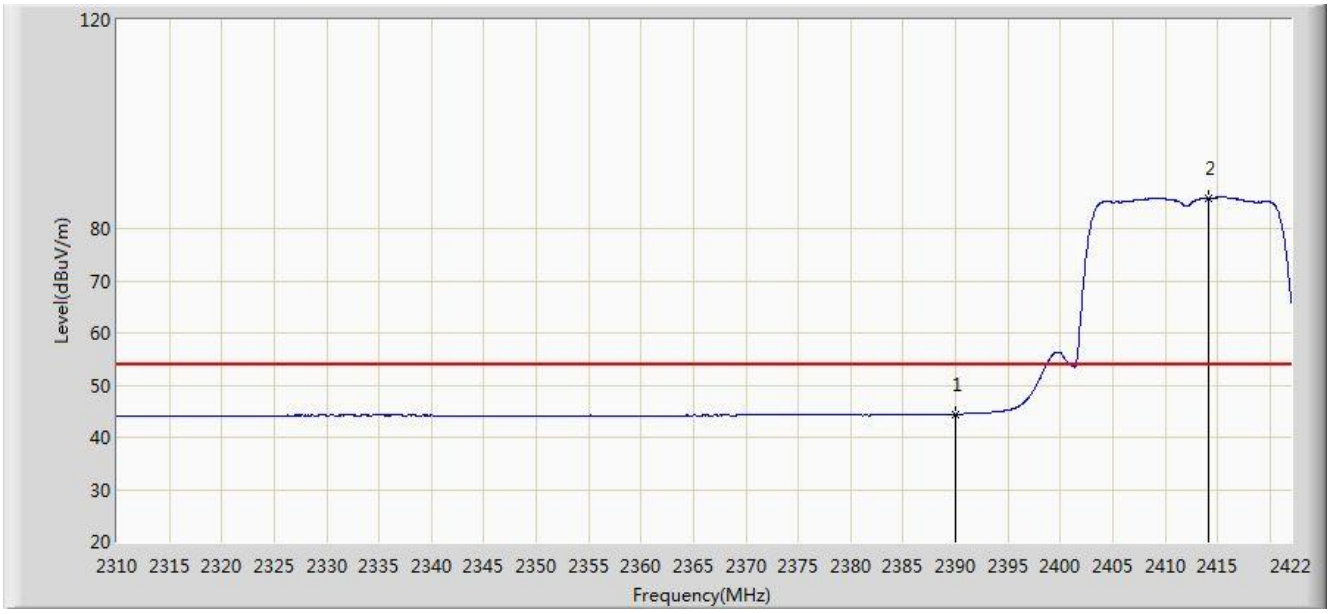


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	56.965	26.281	-17.035	74.000	30.684	PK
2		*	2410.016	99.793	69.145	N/A	N/A	30.648	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

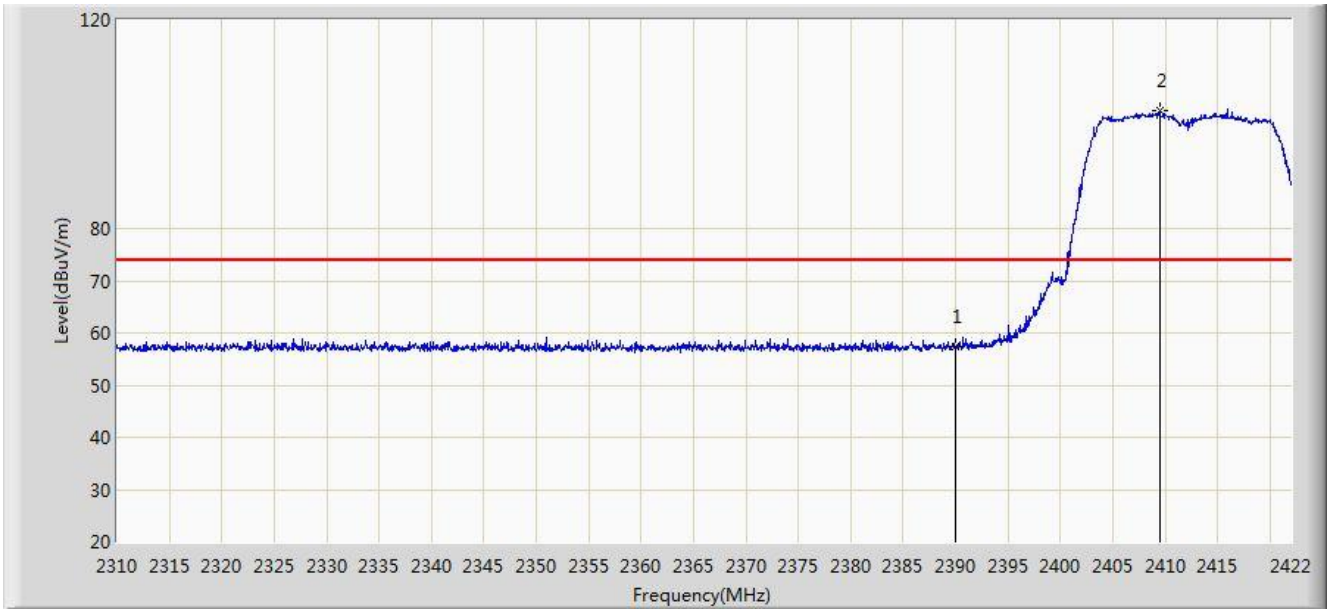


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.445	13.761	-9.555	54.000	30.684	AV
2		*	2414.104	85.857	55.216	N/A	N/A	30.642	AV

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: 2014/07/23 - 17:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 1	

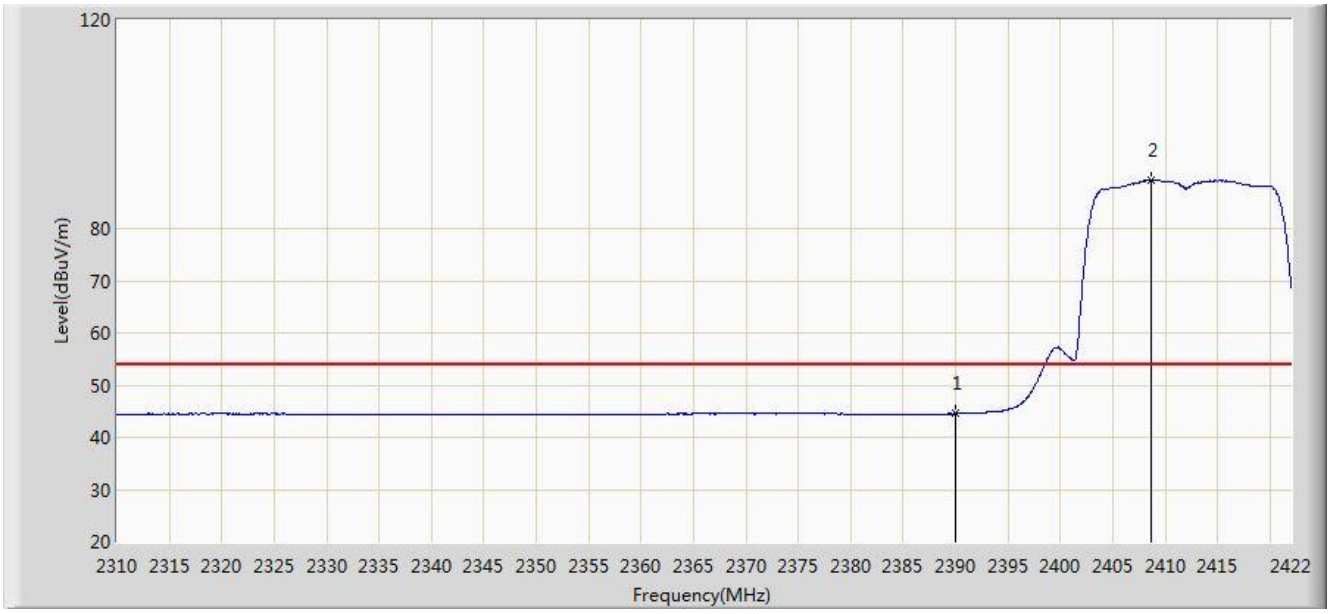


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.257	26.573	-16.743	74.000	30.684	PK
2		*	2409.512	102.701	72.052	N/A	N/A	30.649	PK

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: 2014/07/23 - 17:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	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	44.499	13.815	-9.501	54.000	30.684	AV
2		*	2408.728	89.181	58.531	N/A	N/A	30.650	AV

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	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		*	2459.968	96.657	66.049	N/A	N/A	30.609	PK
2			2483.500	57.179	26.506	-16.821	74.000	30.673	PK

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

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

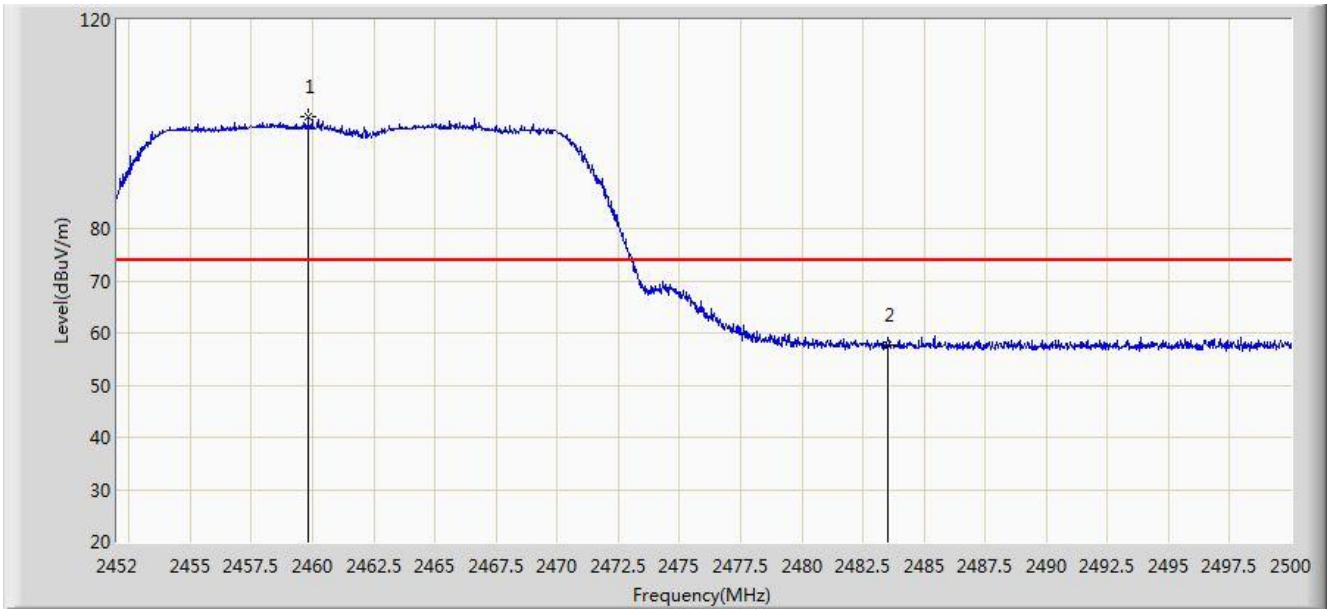
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.224	83.416	52.809	N/A	N/A	30.607	AV
2			2483.500	44.382	13.709	-9.618	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: 2014/07/23 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

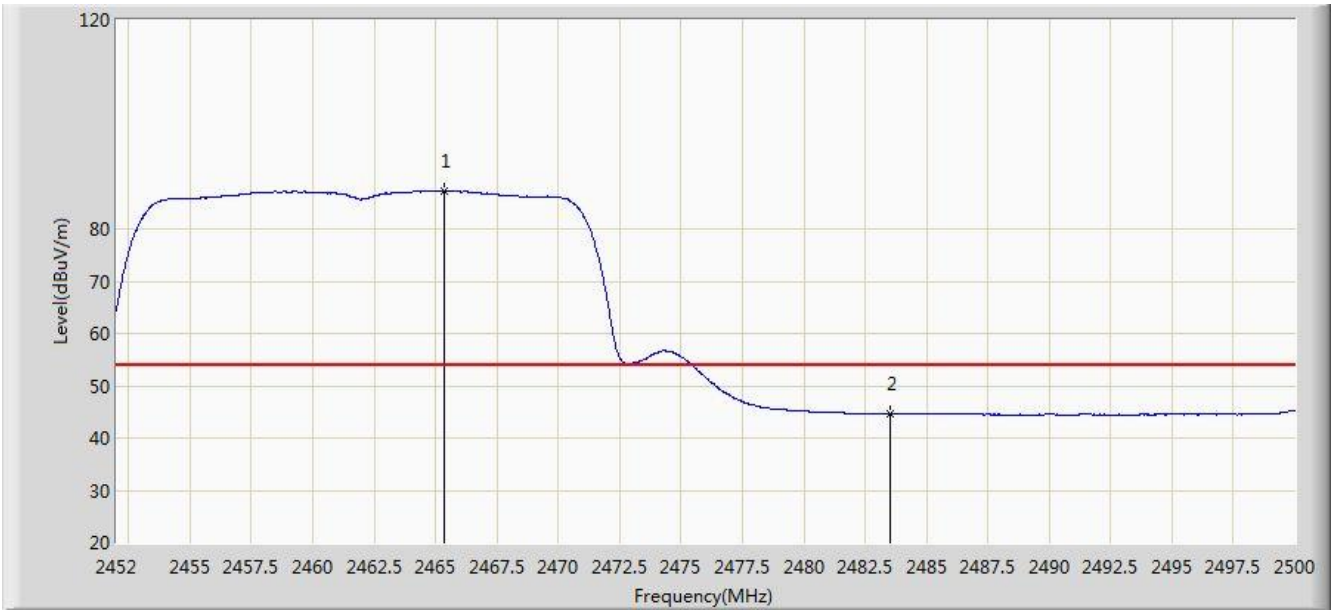


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.824	101.320	70.712	N/A	N/A	30.608	PK
2			2483.500	57.709	27.036	-16.291	74.000	30.673	PK

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: 2014/07/23 - 17:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 1	

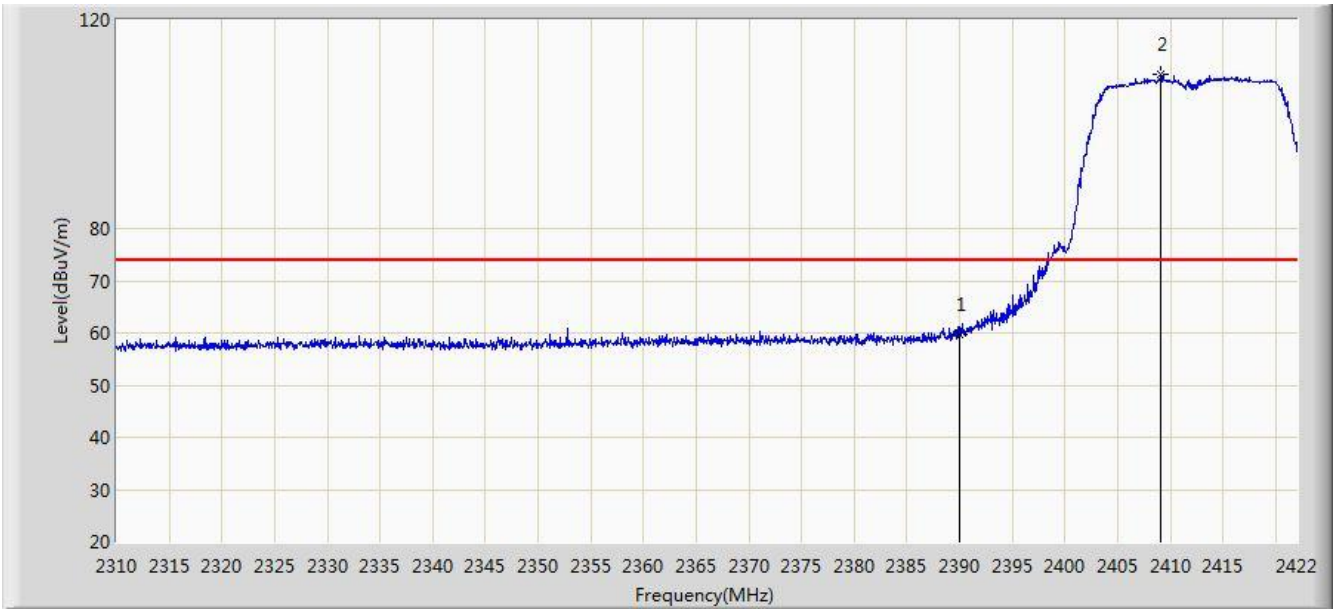


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.368	87.257	56.637	33.257	54.000	30.620	AV
			2483.500	44.652	13.979	-9.348	54.000	30.673	AV

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: 2014/07/23 - 19:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0 + 1	

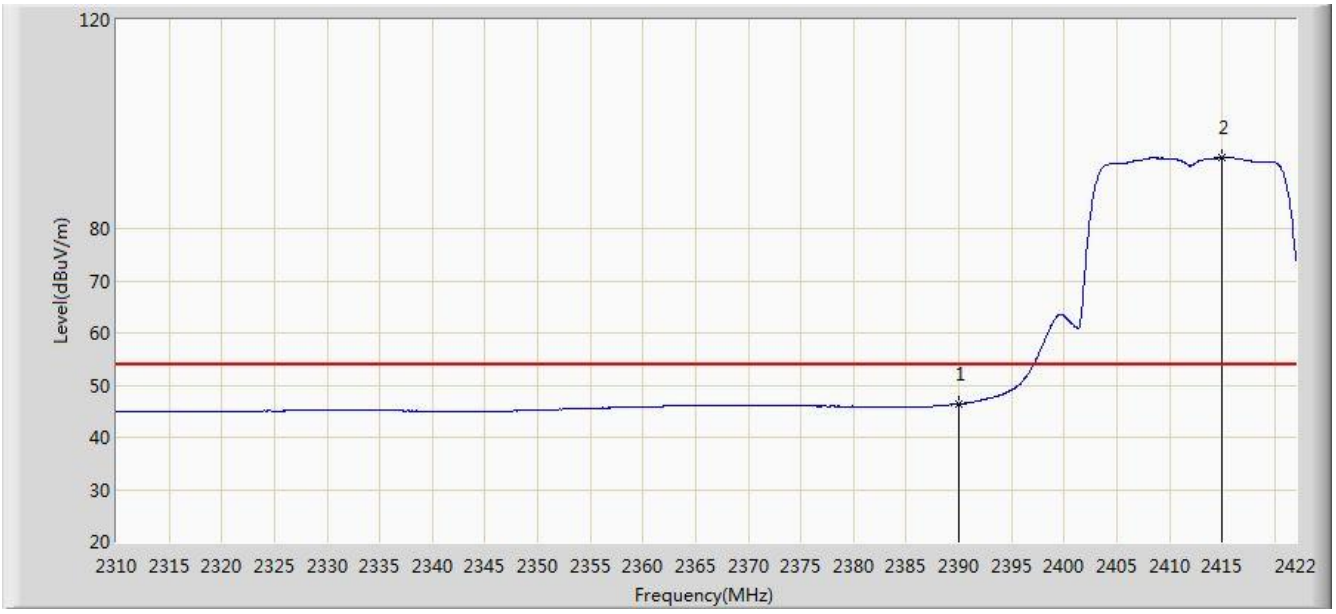


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	59.740	29.056	-14.260	74.000	30.684	PK
2		*	2409.120	109.455	78.806	N/A	N/A	30.649	PK

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: 2014/07/23 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0 + 1	

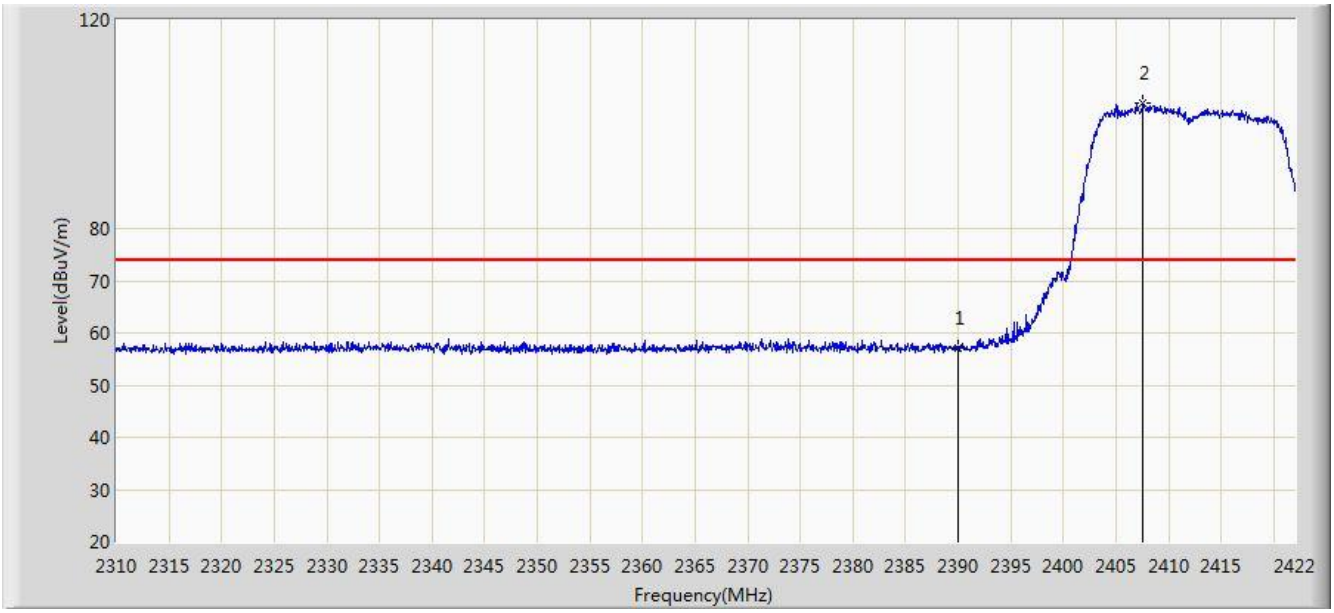


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.360	15.676	-7.640	54.000	30.684	AV
2		*	2415.000	93.586	62.946	N/A	N/A	30.640	AV

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: 2014/07/23 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0 + 1	

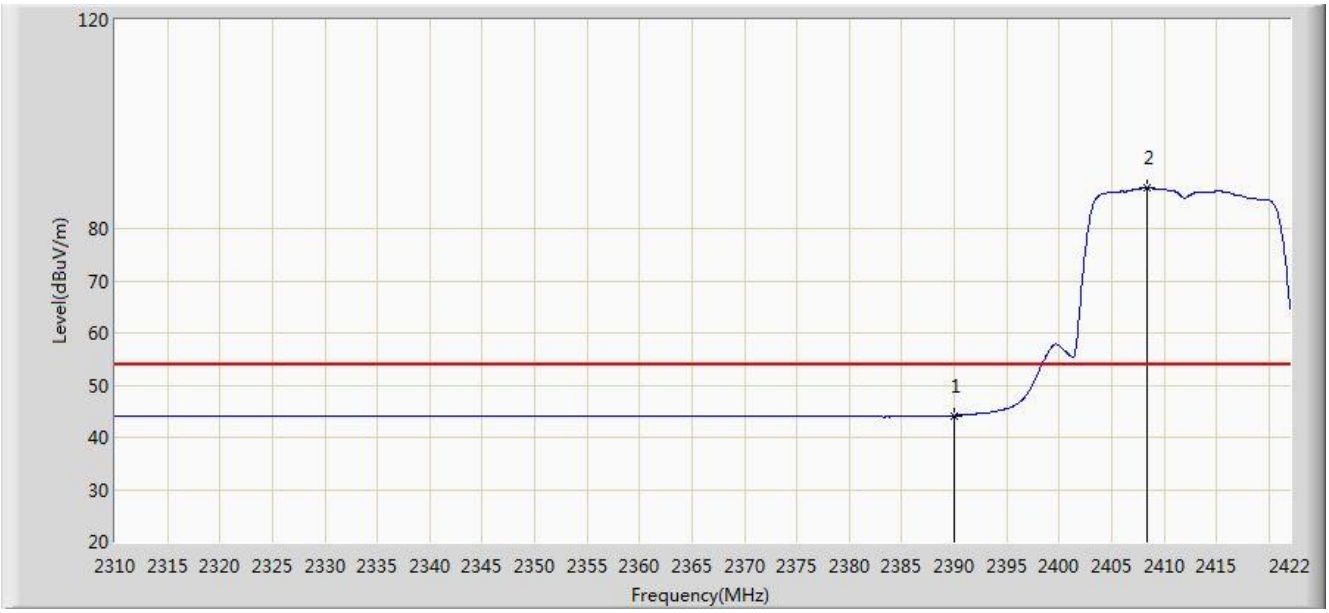


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.150	26.466	-16.850	74.000	30.684	PK
2		*	2407.552	104.176	73.524	N/A	N/A	30.652	PK

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: 2014/07/23 - 19:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2412MHz Ant 0 + 1	

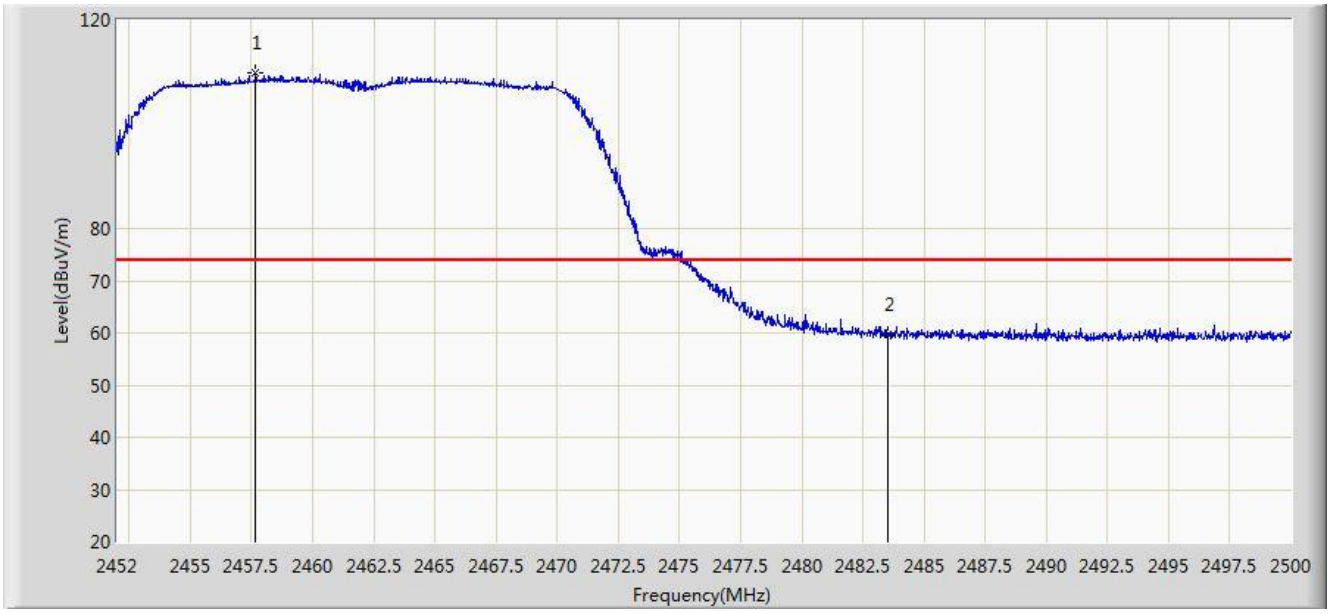


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.180	13.496	-9.820	54.000	30.684	AV
2		*	2408.336	87.868	57.217	N/A	N/A	30.651	AV

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: 2014/07/23 - 19:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	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		*	2457.664	109.732	79.127	N/A	N/A	30.604	PK
2			2483.500	59.587	28.914	-14.413	74.000	30.673	PK

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

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

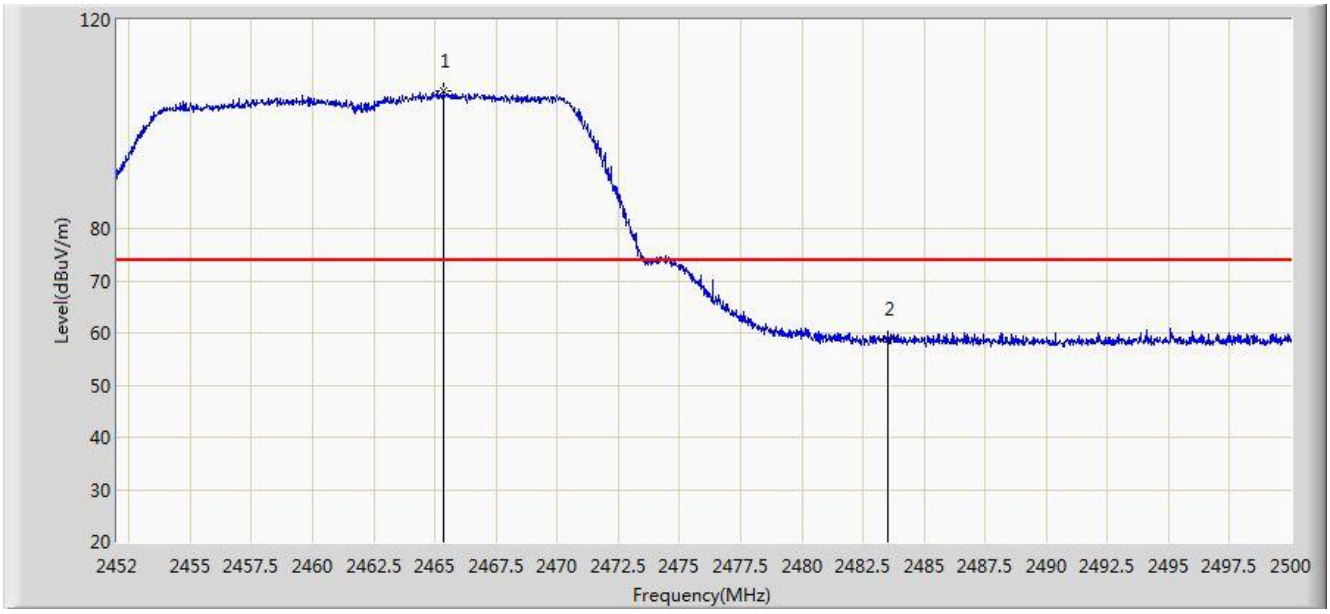
Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 19:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0 + 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.224	93.565	62.958	N/A	N/A	30.607	AV
2			2483.500	46.927	16.254	-7.073	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: 2014/07/23 - 19:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0 + 1	

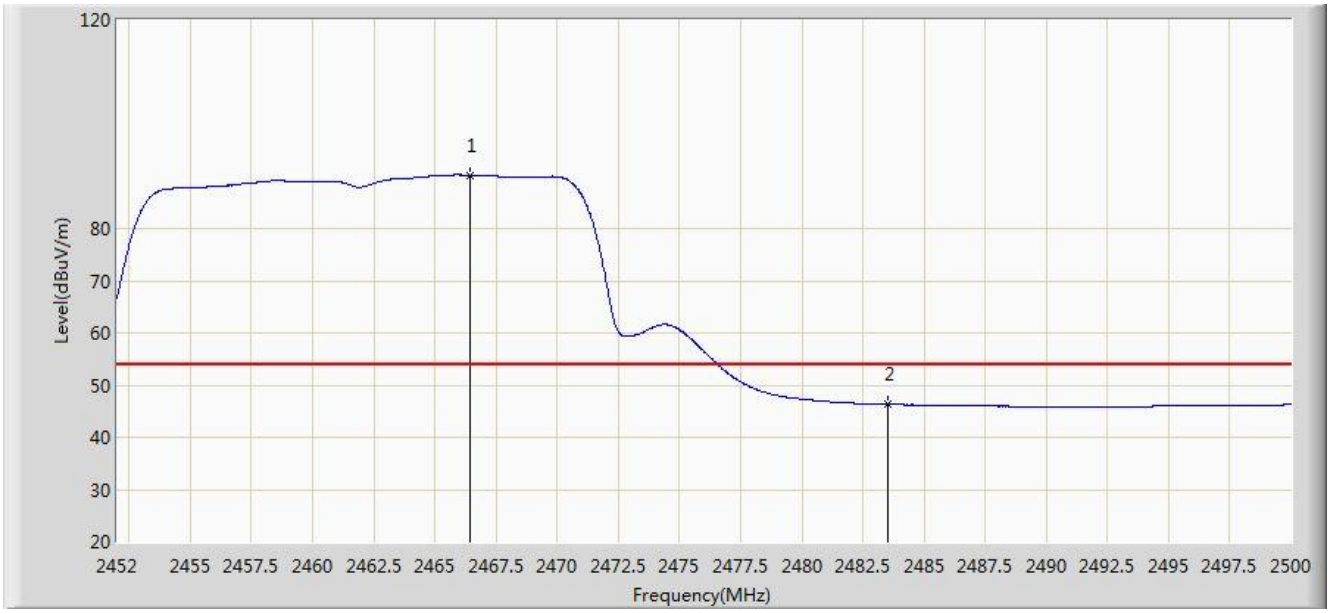


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.368	106.317	75.697	N/A	N/A	30.620	PK
2			2483.500	58.899	28.226	-15.101	74.000	30.673	PK

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: 2014/07/23 - 19:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at channel 2462MHz Ant 0 + 1	

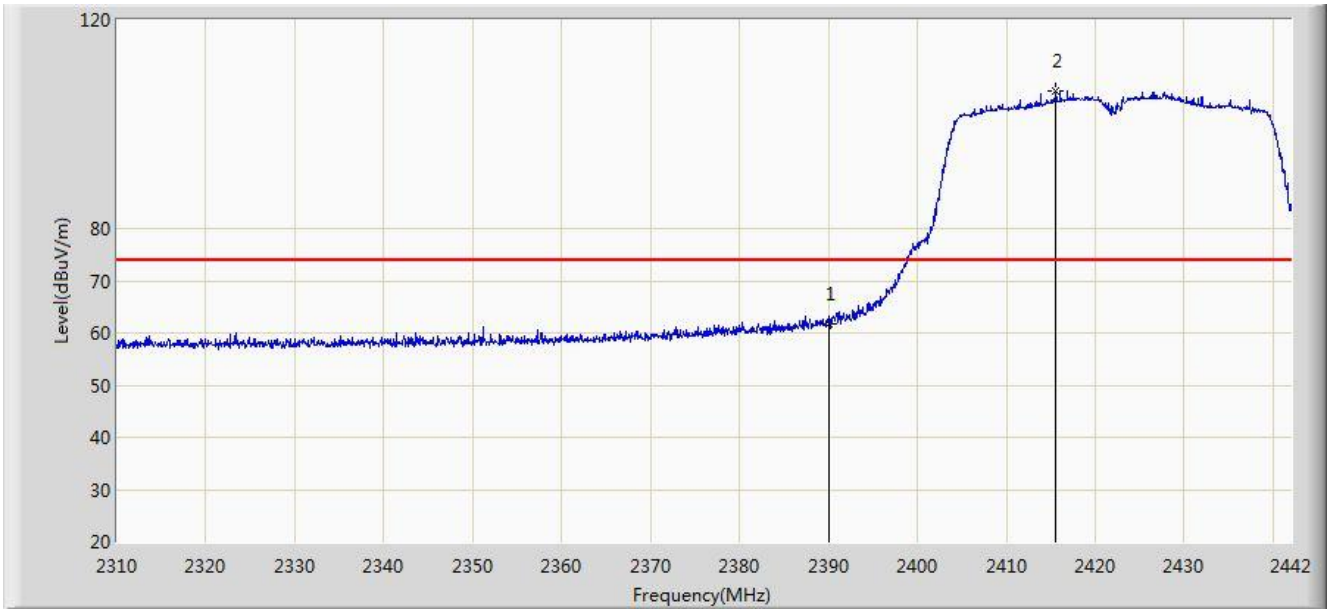


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.448	90.147	59.524	N/A	N/A	30.623	AV
2			2483.500	46.324	15.651	-7.676	54.000	30.673	AV

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: 2014/07/23 - 17:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

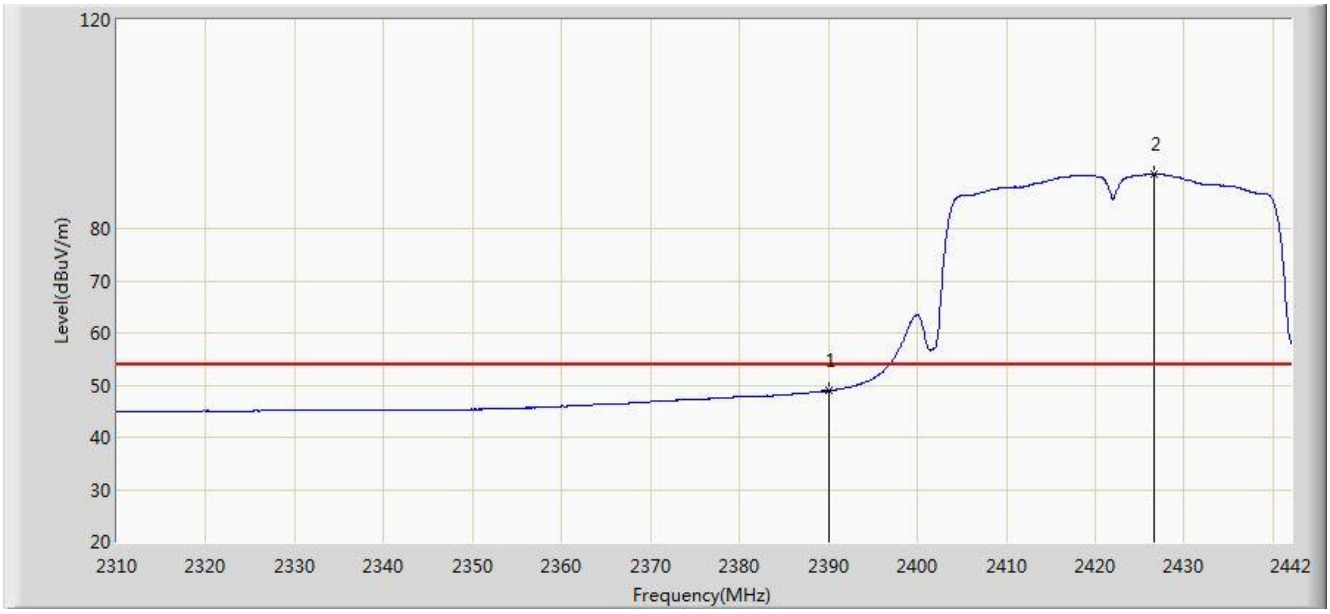


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	61.831	31.147	-12.169	74.000	30.684	PK
2		*	2415.600	106.519	75.880	N/A	N/A	30.639	PK

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: 2014/07/23 - 17:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

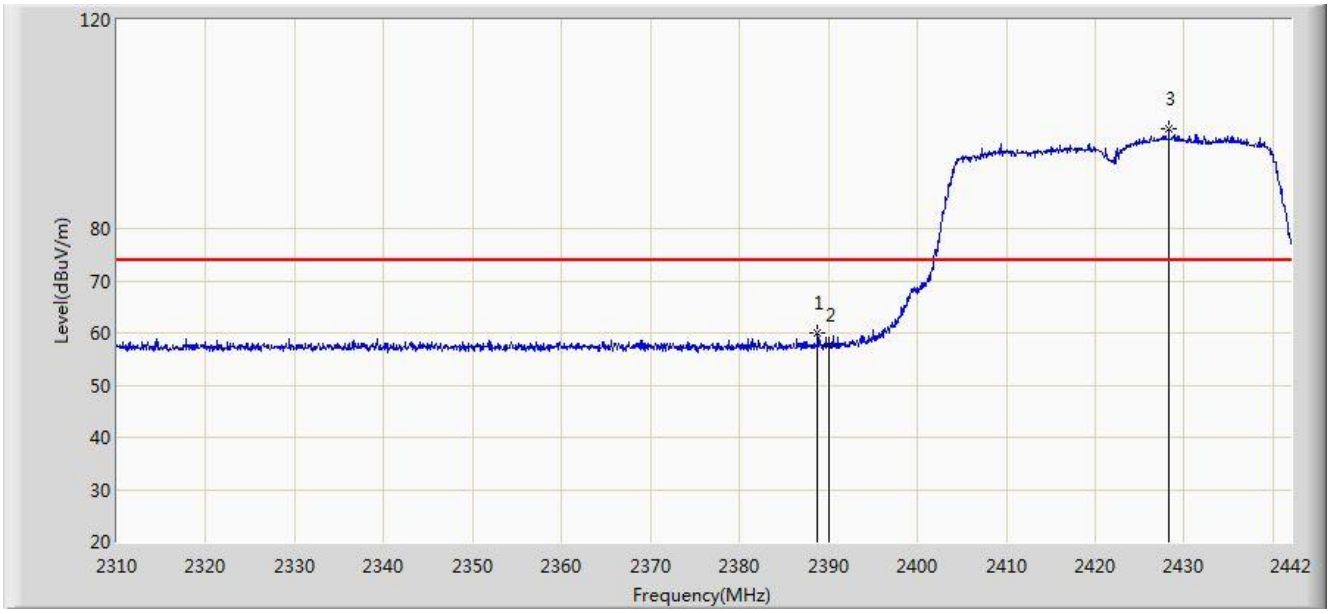


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.915	18.231	-5.085	54.000	30.684	AV
2		*	2426.556	90.365	59.743	N/A	N/A	30.622	AV

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: 2014/07/23 - 17:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

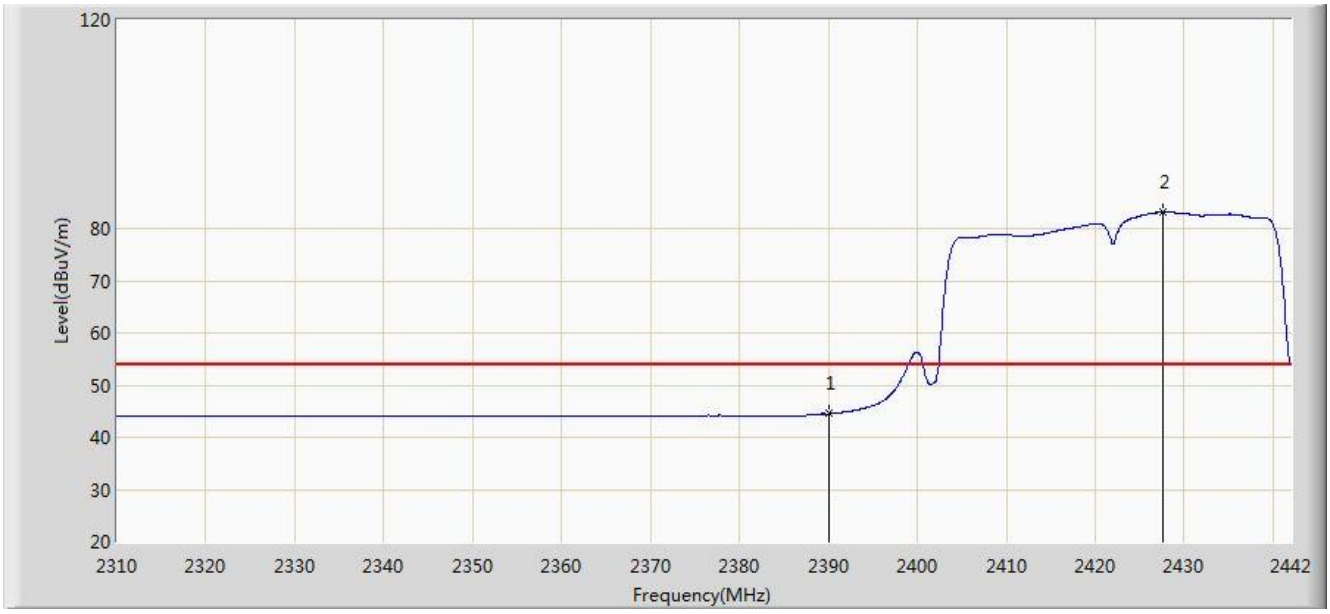


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.804	59.971	29.285	-14.029	74.000	30.686	PK
2			2390.000	57.637	26.953	-16.363	74.000	30.684	PK
3		*	2428.272	99.230	68.611	N/A	N/A	30.619	PK

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: 2014/07/23 - 17:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0	

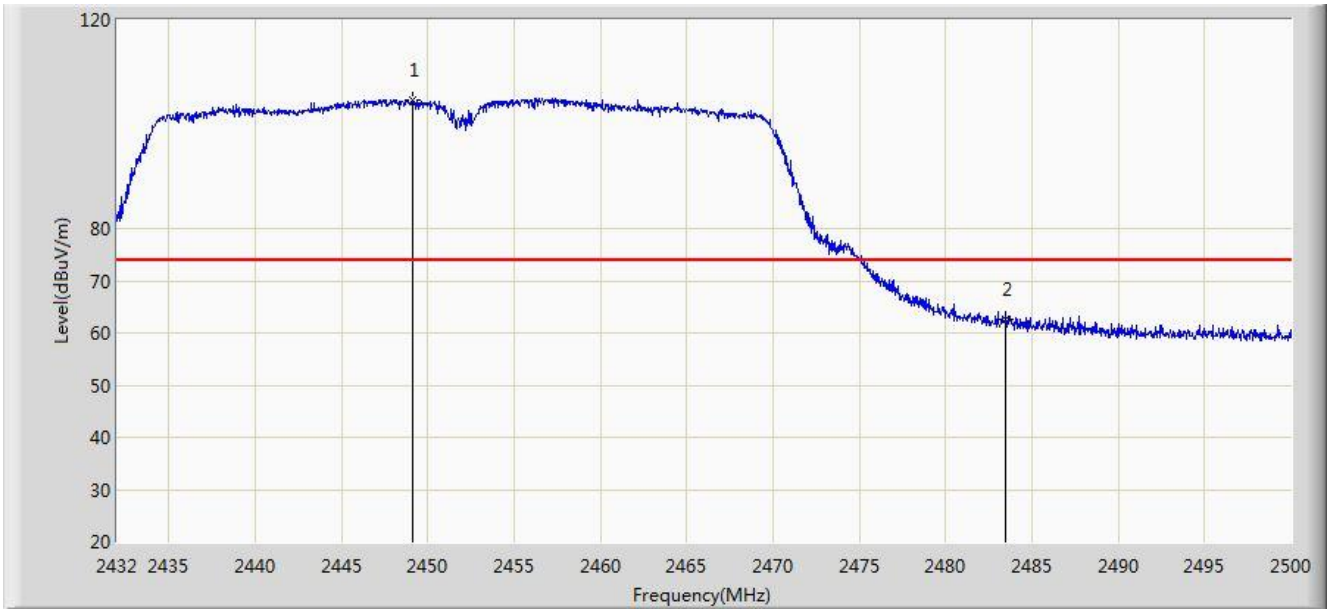


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.518	13.834	-9.482	54.000	30.684	AV
2		*	2427.546	83.094	52.473	N/A	N/A	30.621	AV

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: 2014/07/23 - 17:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

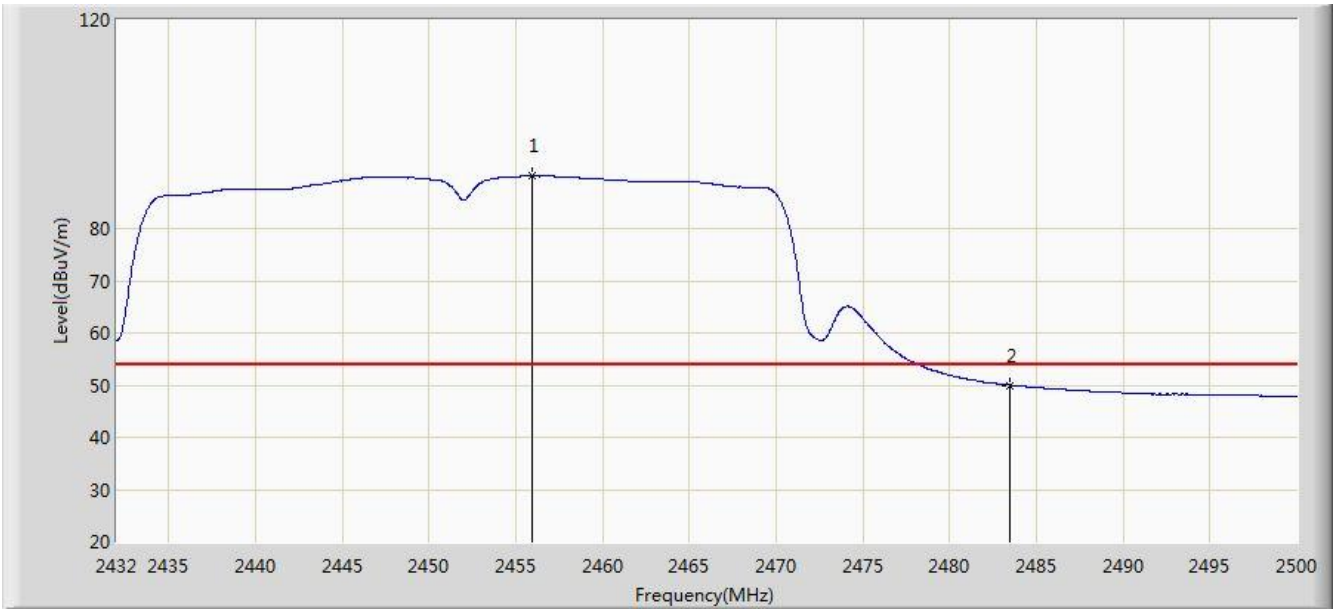


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.102	104.682	74.090	N/A	N/A	30.592	PK
2			2483.500	62.751	32.078	-11.249	74.000	30.673	PK

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: 2014/07/23 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

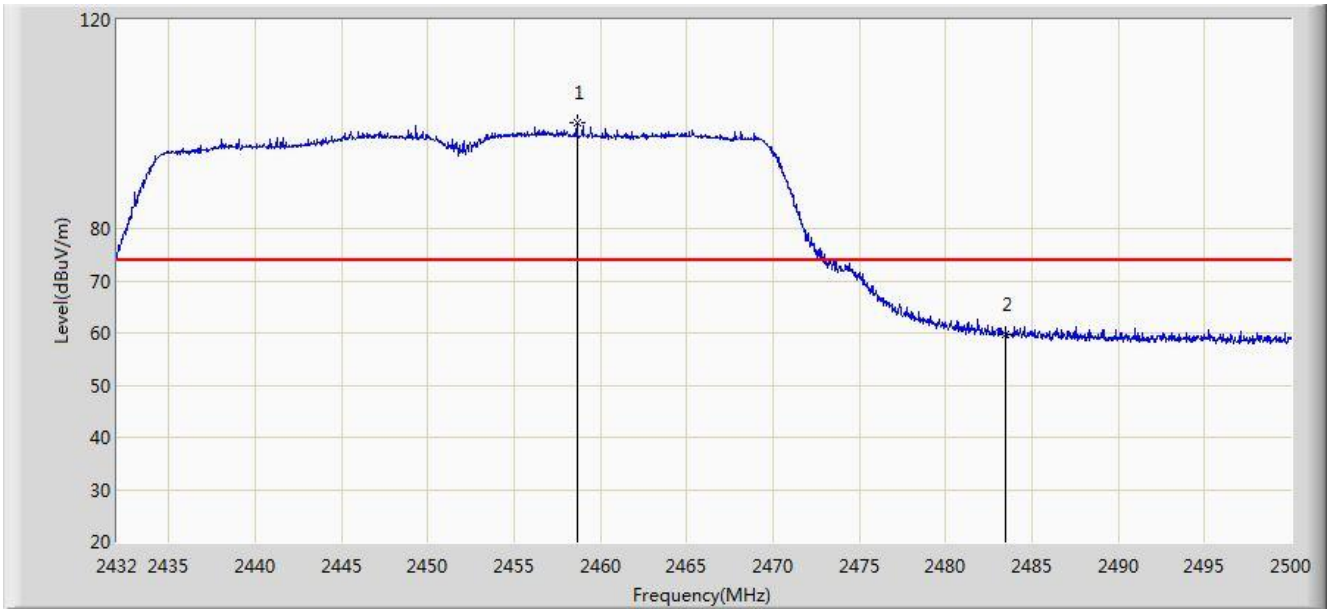


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.970	90.084	59.482	N/A	N/A	30.602	AV
2			2483.500	49.977	19.304	-4.023	54.000	30.673	AV

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: 2014/07/23 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

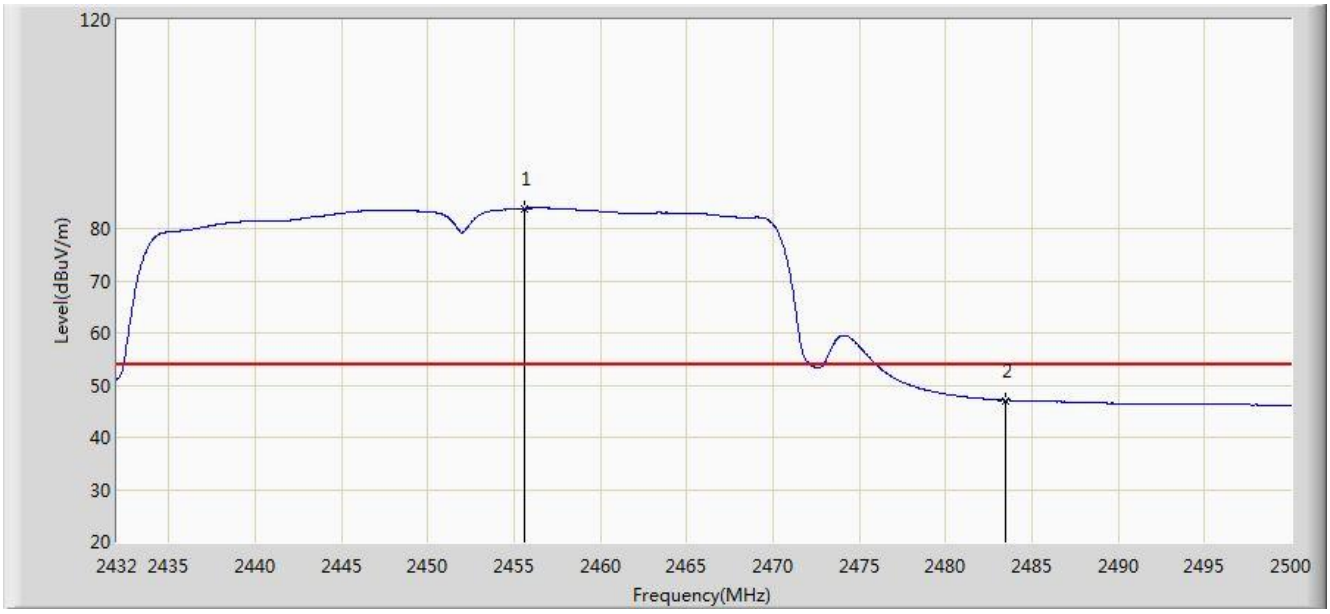


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.656	100.251	69.645	N/A	N/A	30.606	PK
2			2483.500	59.819	29.146	-14.181	74.000	30.673	PK

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

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

Engineer: Roy Cheng	
Site: AC1	Time: 2014/07/23 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0	

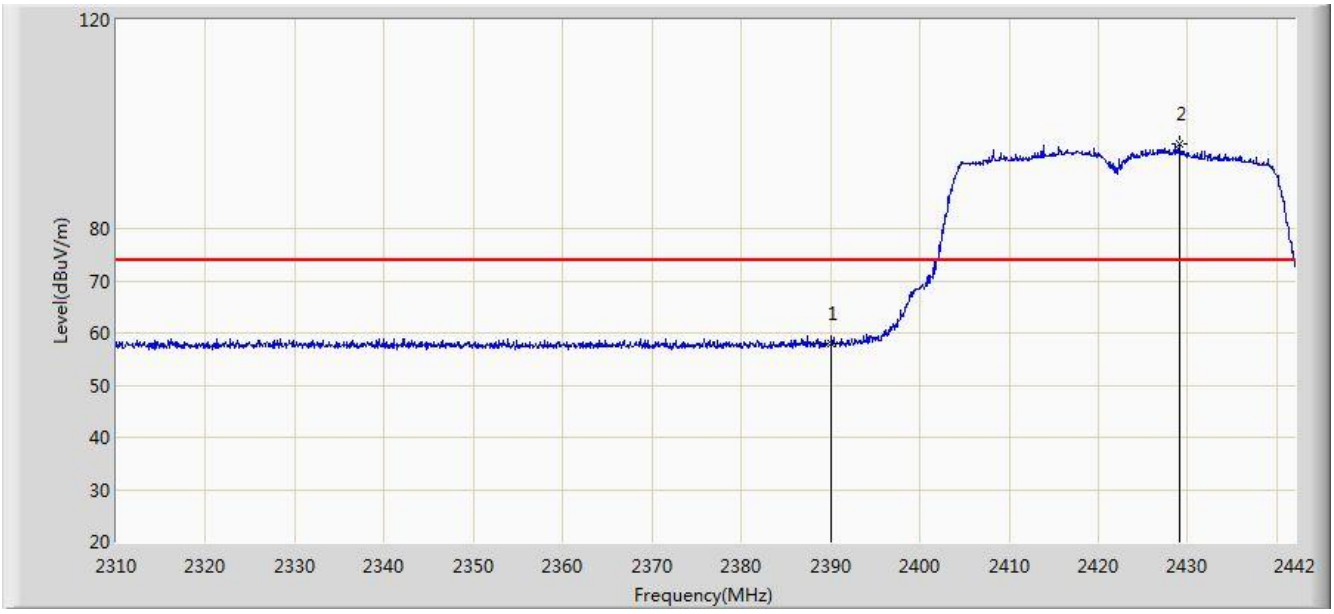


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.562	83.888	53.286	N/A	N/A	30.602	AV
2			2483.500	47.092	16.419	-6.908	54.000	30.673	AV

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: 2014/07/23 - 17:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 1	

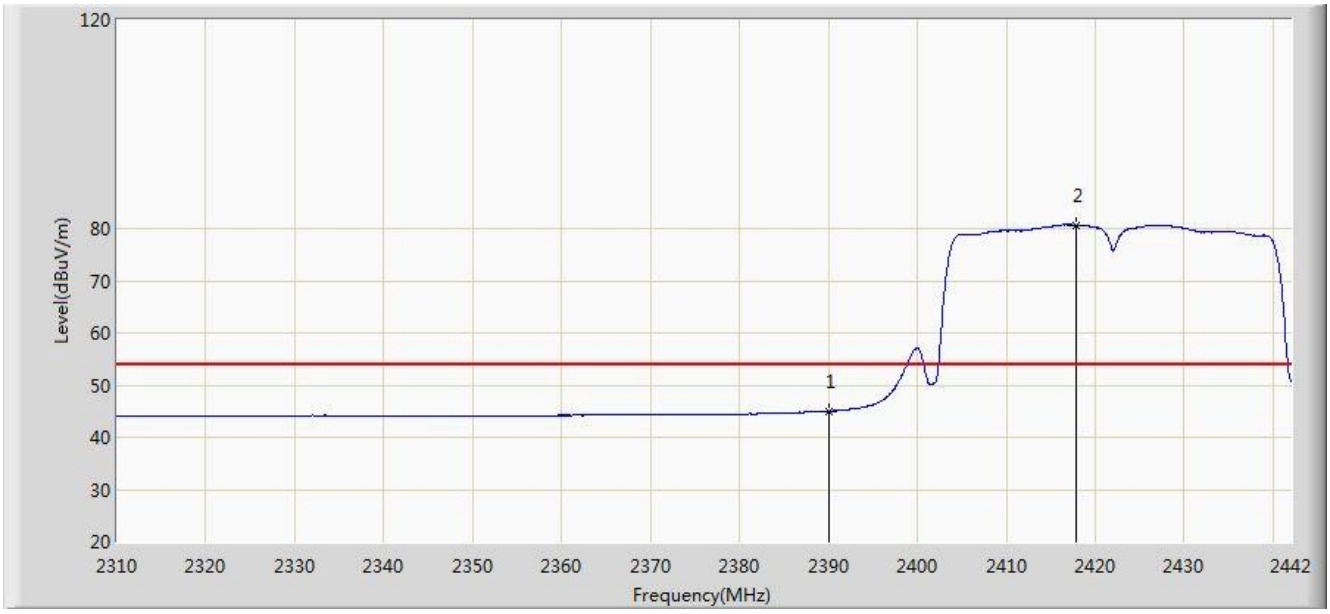


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.917	27.233	-16.083	74.000	30.684	PK
2		*	2429.064	96.174	65.556	N/A	N/A	30.618	PK

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: 2014/07/23 - 18:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 1	

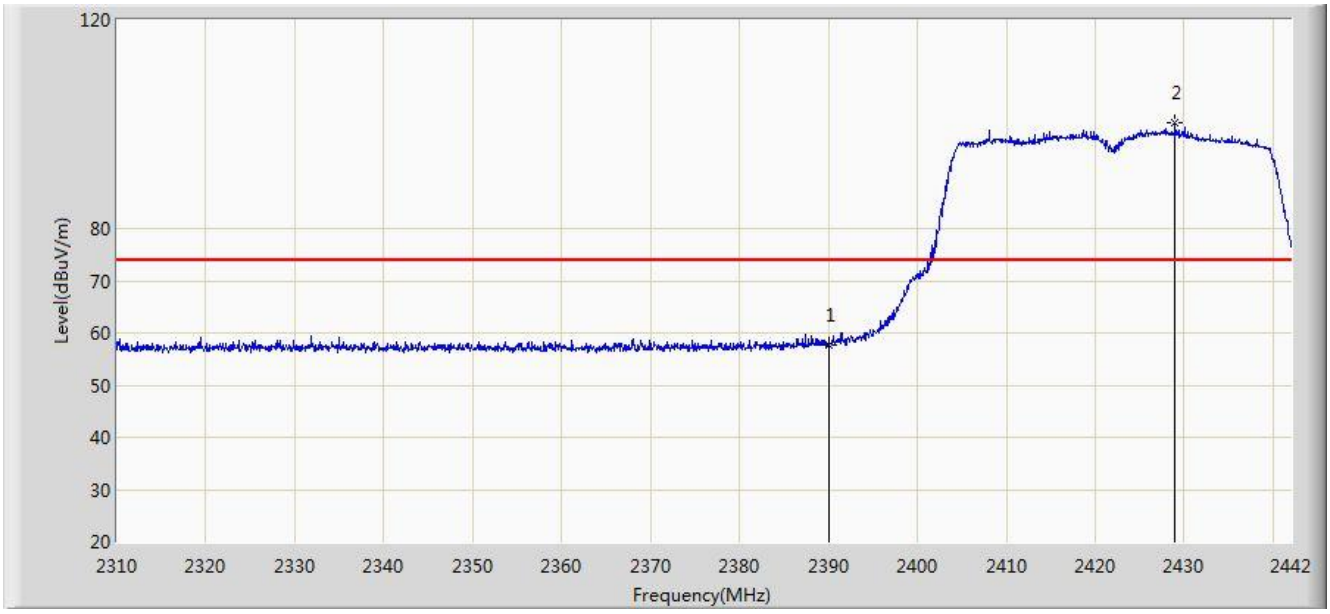


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.037	14.353	-8.963	54.000	30.684	AV
2		*	2417.844	80.723	50.087	N/A	N/A	30.636	AV

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: 2014/07/23 - 19:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 1	

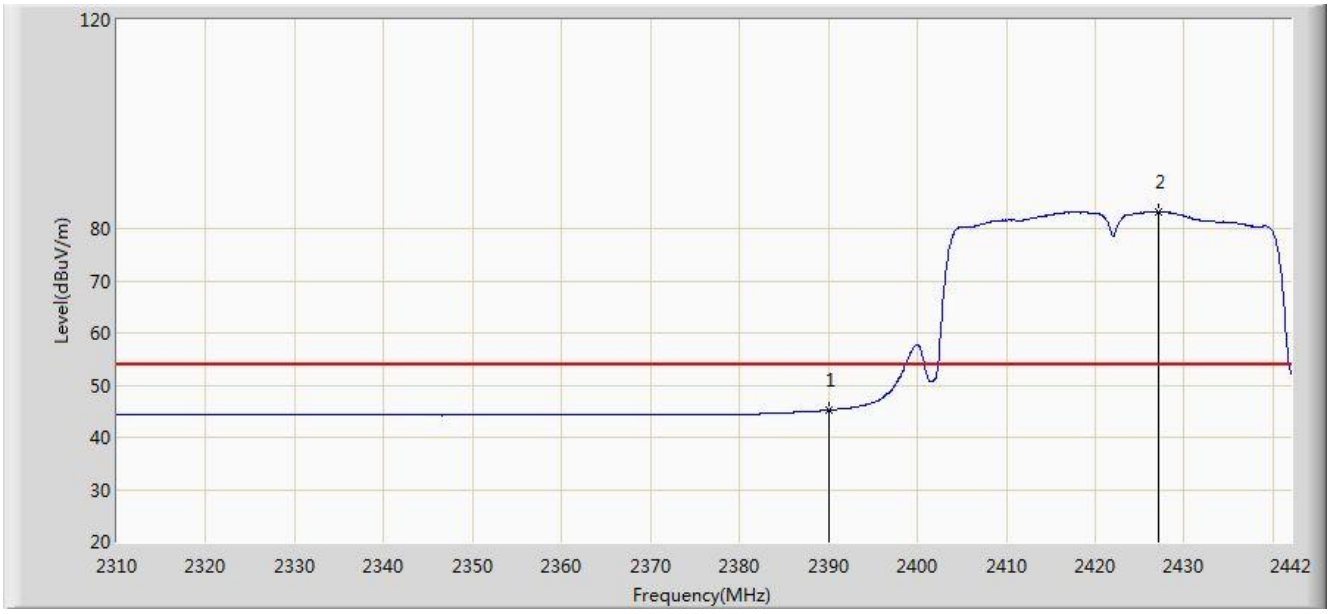


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	57.667	26.983	-16.333	74.000	30.684	PK
2		*	2428.998	100.201	69.583	N/A	N/A	30.619	PK

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: 2014/07/23 - 19:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 1	

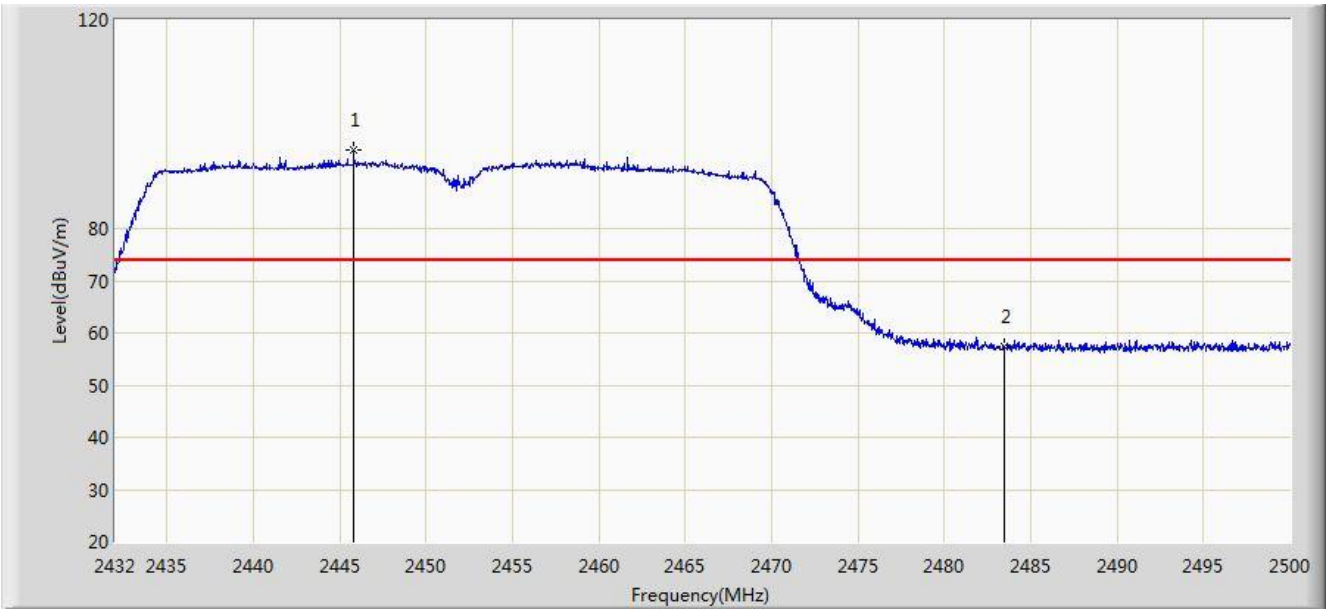


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.205	14.521	-8.795	54.000	30.684	AV
2		*	2427.150	83.253	52.632	N/A	N/A	30.621	AV

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: 2014/07/23 - 19:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 1	

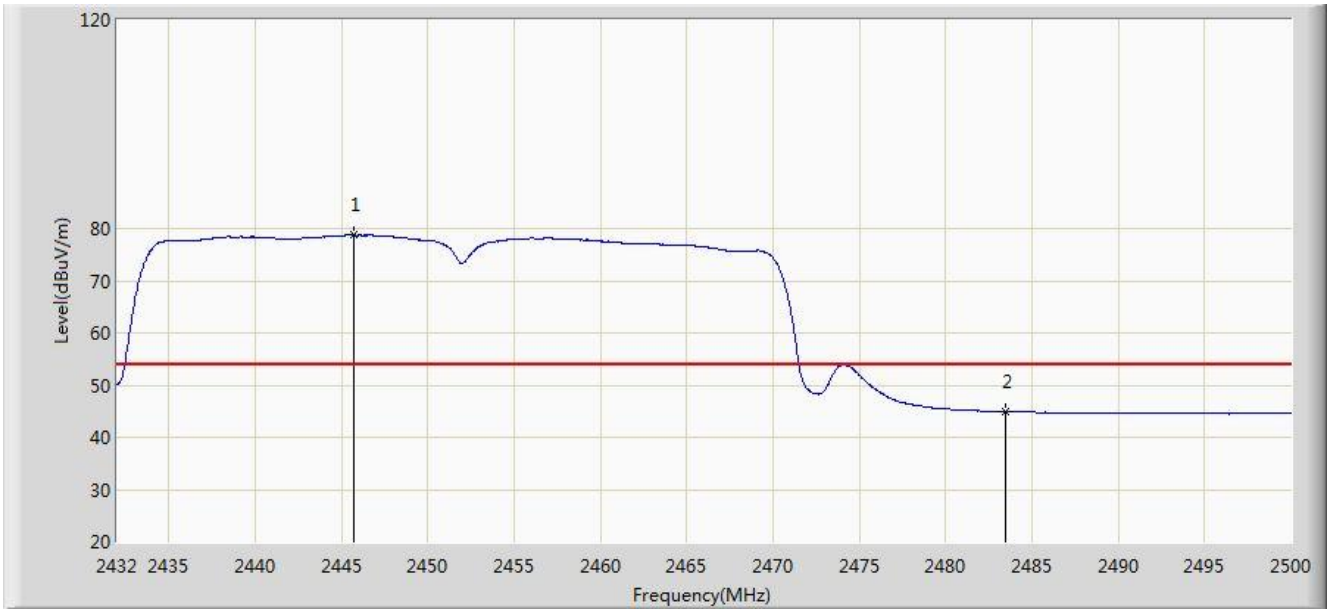


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.804	95.030	64.442	N/A	N/A	30.588	PK
2			2483.500	57.408	26.735	-16.592	74.000	30.673	PK

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: 2014/07/23 - 19:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 1	

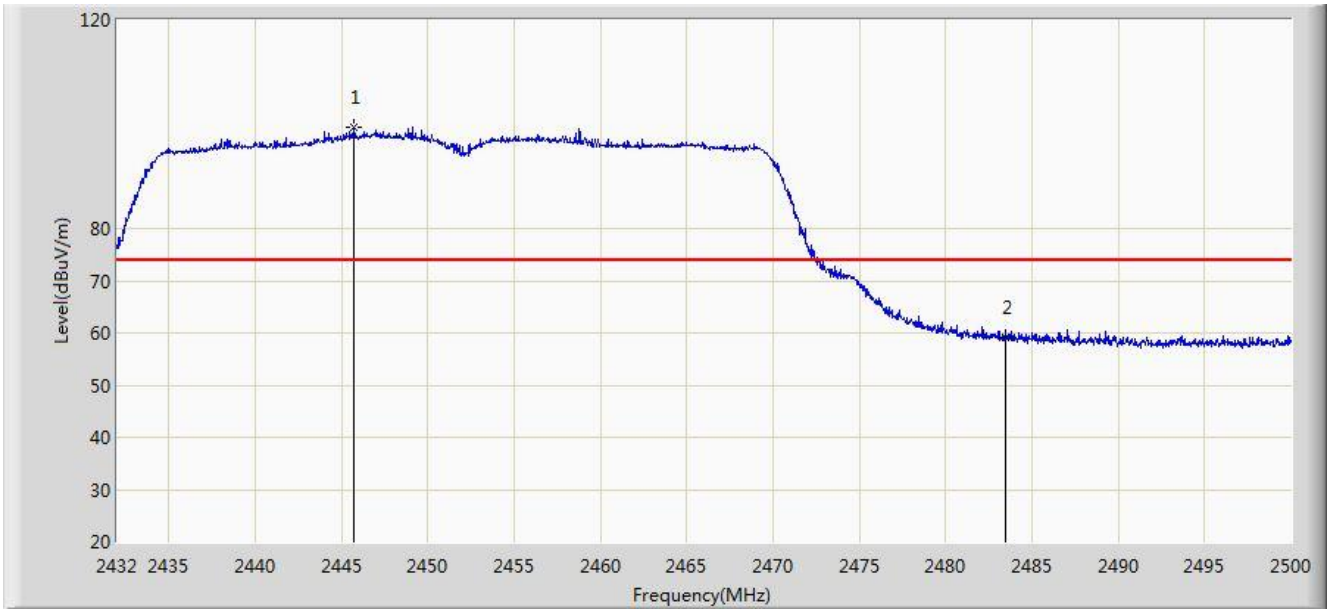


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.702	78.736	48.148	N/A	N/A	30.588	AV
2			2483.500	44.863	14.190	-9.137	54.000	30.673	AV

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: 2014/07/23 - 19:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 1	

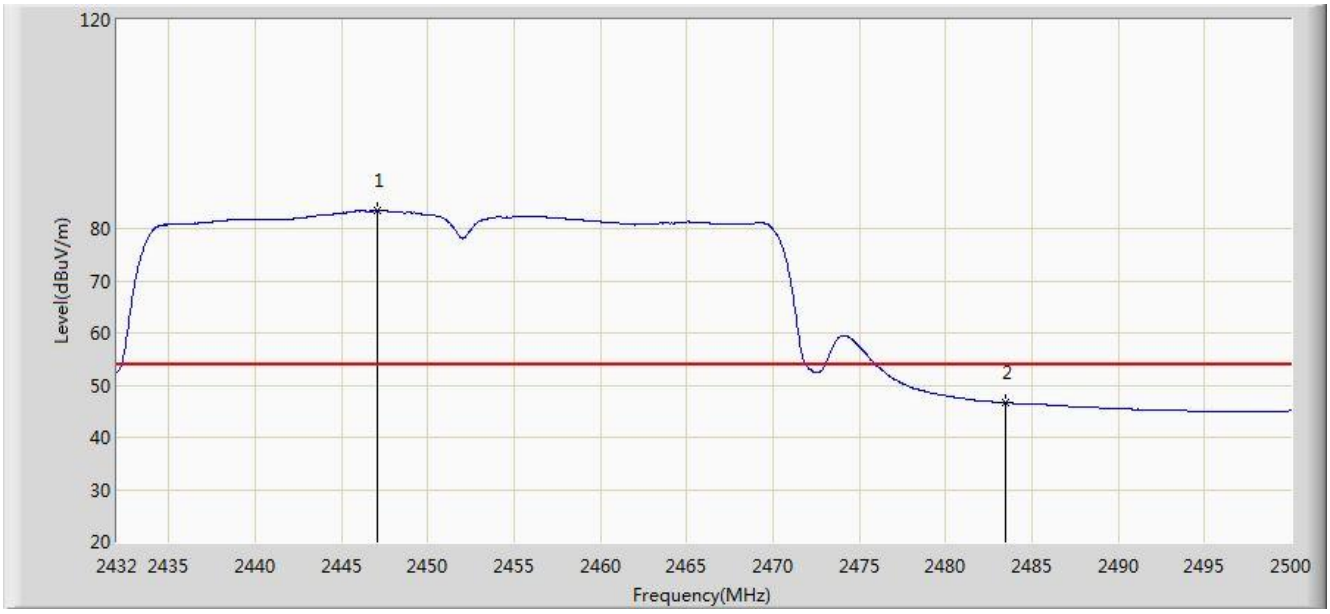


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.702	99.546	68.958	N/A	N/A	30.588	PK
2			2483.500	59.275	28.602	-14.725	74.000	30.673	PK

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: 2014/07/23 - 19:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 1	

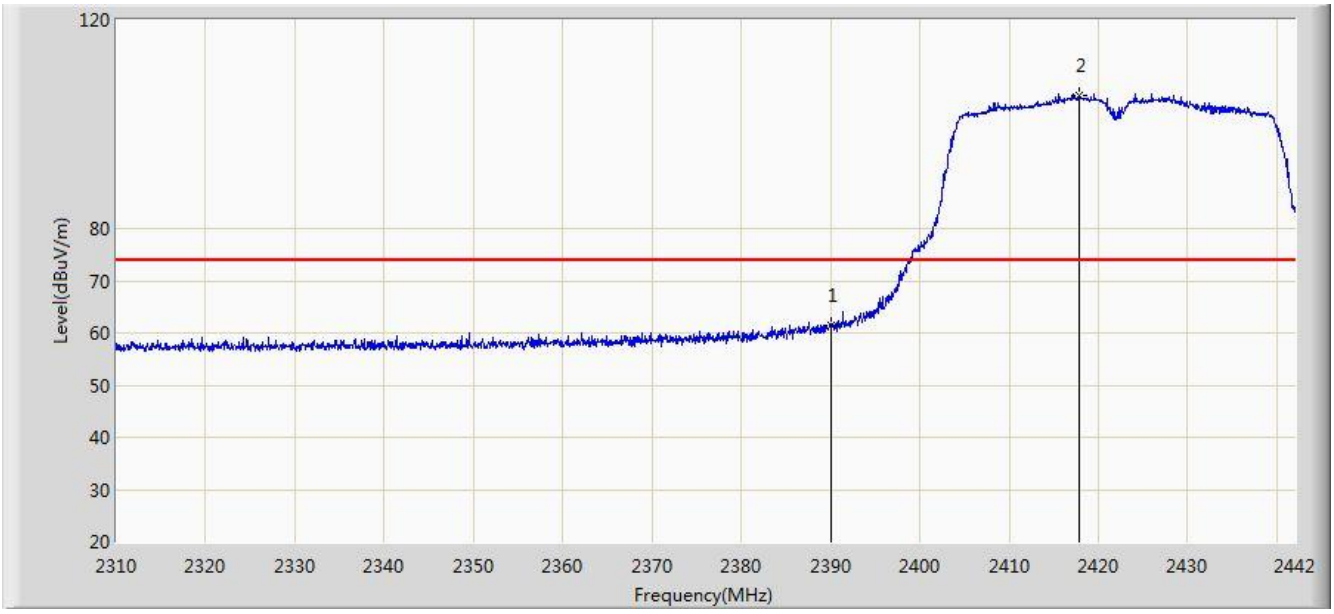


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2447.096	83.447	52.858	N/A	N/A	30.589	AV
2			2483.500	46.628	15.955	-7.372	54.000	30.673	AV

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: 2014/07/23 - 19:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0 + 1	

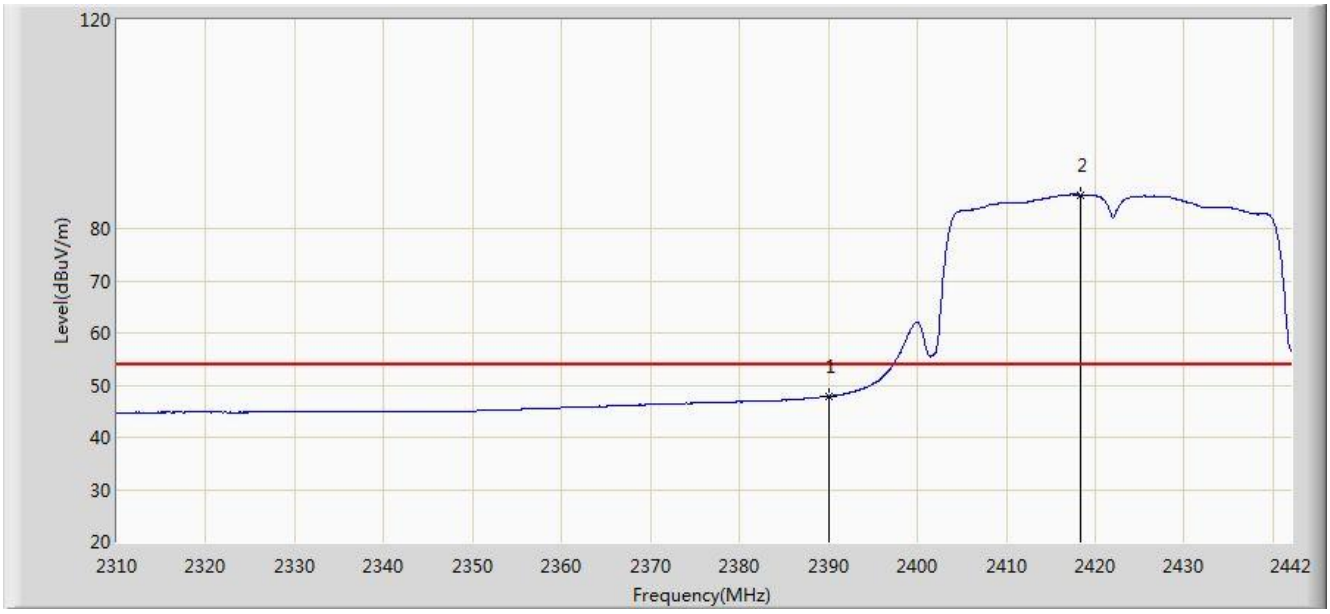


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	61.567	30.883	-12.433	74.000	30.684	PK
2		*	2417.844	105.593	74.957	N/A	N/A	30.636	PK

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: 2014/07/23 - 19:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0 + 1	

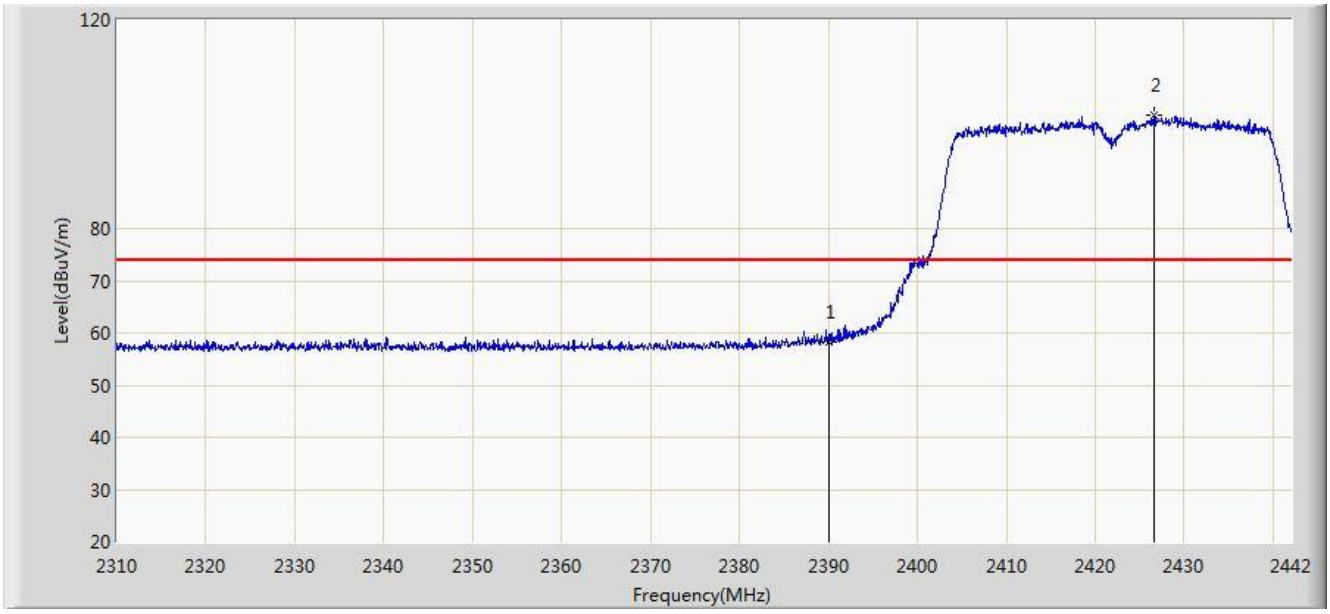


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.844	17.160	-6.156	54.000	30.684	AV
2		*	2418.306	86.486	55.851	N/A	N/A	30.635	AV

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: 2014/07/23 - 19:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0 + 1	

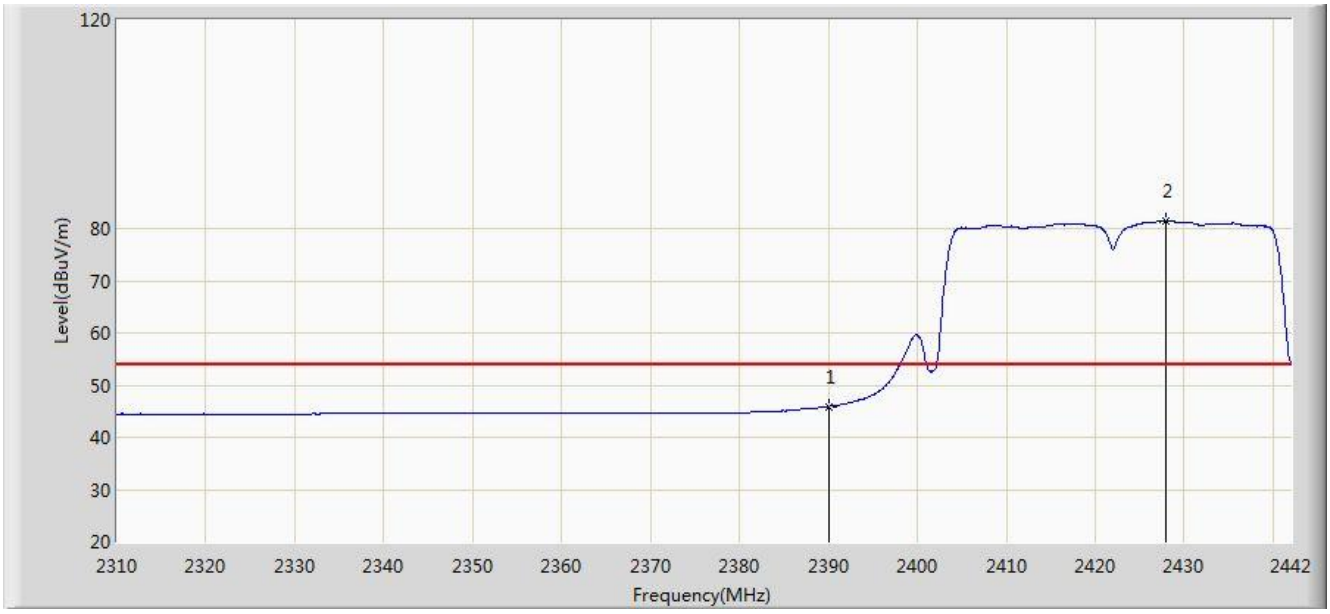


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	58.311	27.627	-15.689	74.000	30.684	PK
2		*	2426.556	101.682	71.060	N/A	N/A	30.622	PK

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: 2014/07/23 - 19:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2422MHz Ant 0 + 1	

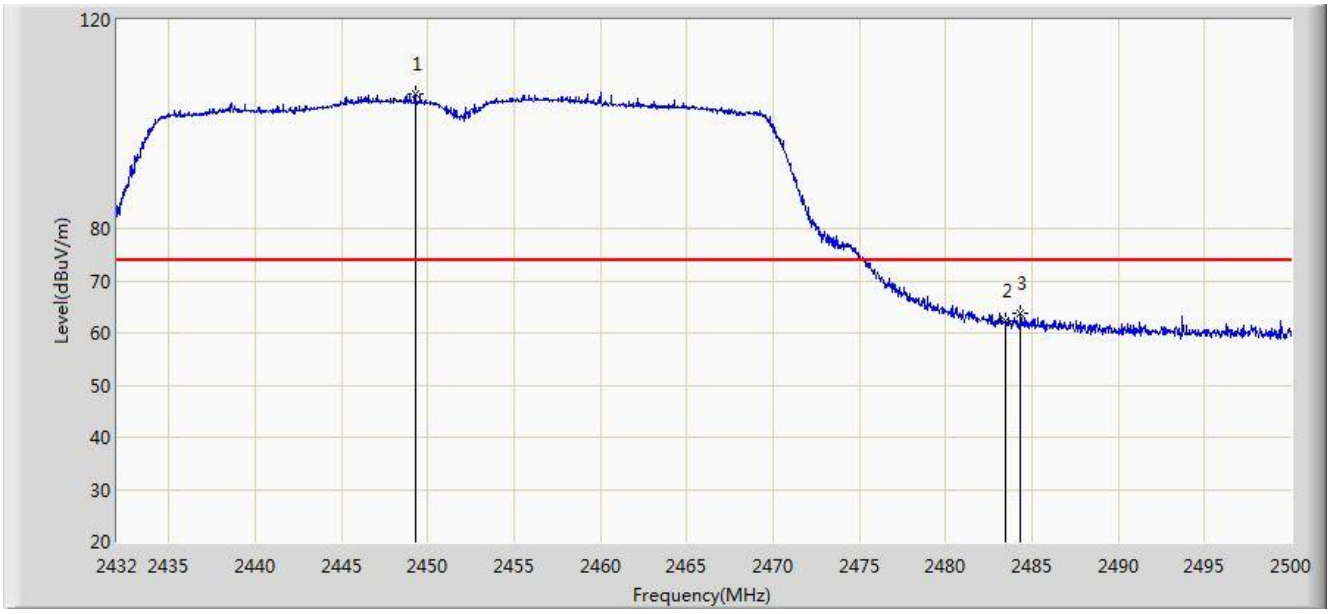


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.889	15.205	-8.111	54.000	30.684	AV
2		*	2427.942	81.517	50.897	N/A	N/A	30.620	AV

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: 2014/07/23 - 19:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0 + 1	

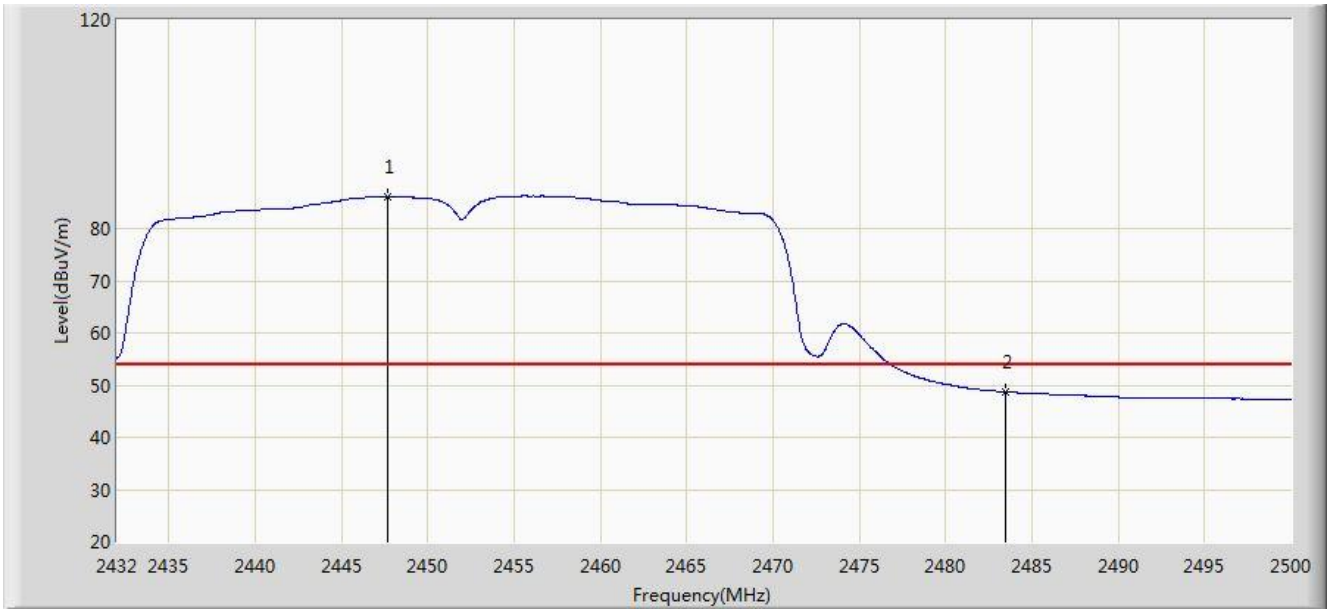


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.272	105.867	75.275	N/A	N/A	30.593	PK
2			2483.500	62.277	31.604	-11.723	74.000	30.673	PK
3			2484.360	63.852	33.177	-10.148	74.000	30.675	PK

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: 2014/07/23 - 19:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0 + 1	

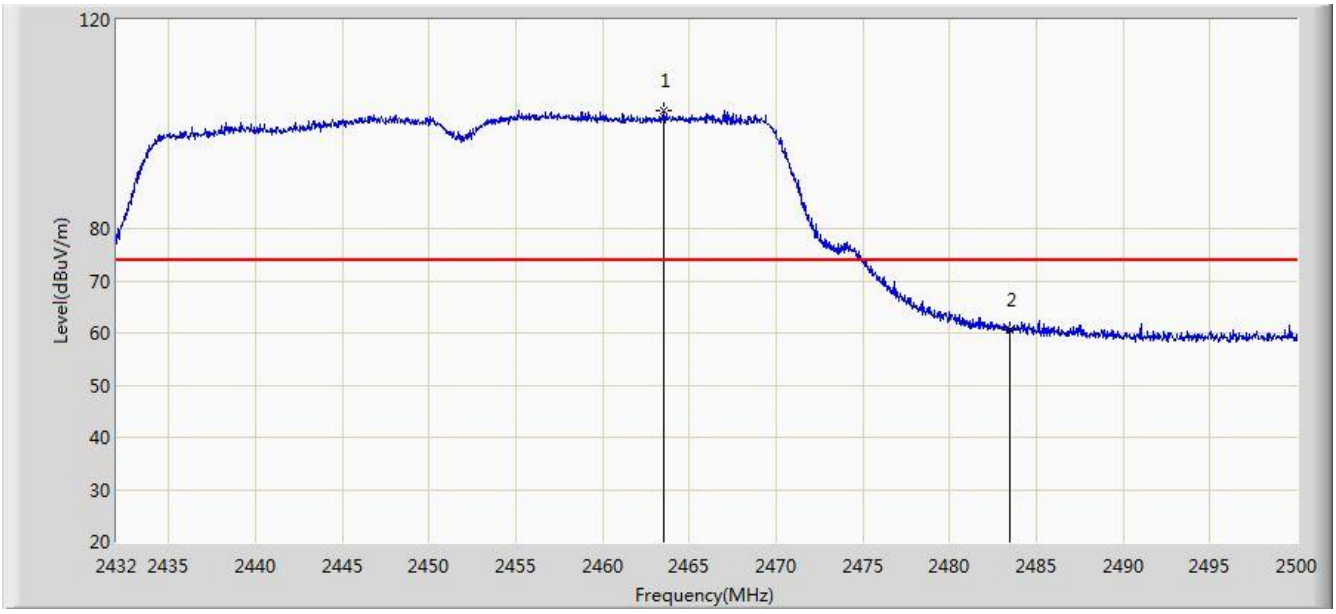


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2447.708	86.077	55.487	N/A	N/A	30.590	AV
2			2483.500	48.671	17.998	-5.329	54.000	30.673	AV

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: 2014/07/23 - 19:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz Ant 0 + 1	

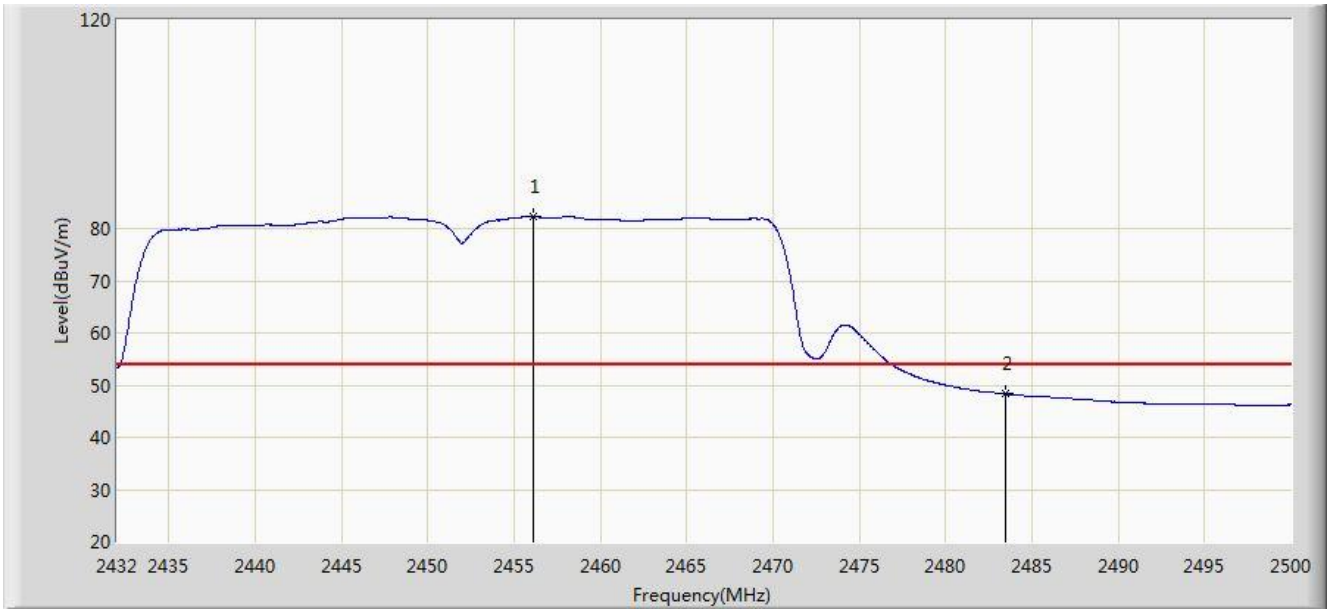


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.552	102.493	71.878	N/A	N/A	30.615	PK
2			2483.500	60.599	29.926	-13.401	74.000	30.673	PK

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: 2014/07/23 - 19:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI dual band 4 GE LAN GPON HGUb	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at channel 2452MHz 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		*	2456.106	82.268	51.665	N/A	N/A	30.603	AV
2			2483.500	48.314	17.641	-5.686	54.000	30.673	AV

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

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

7.8. AC Conducted Emissions Measurement

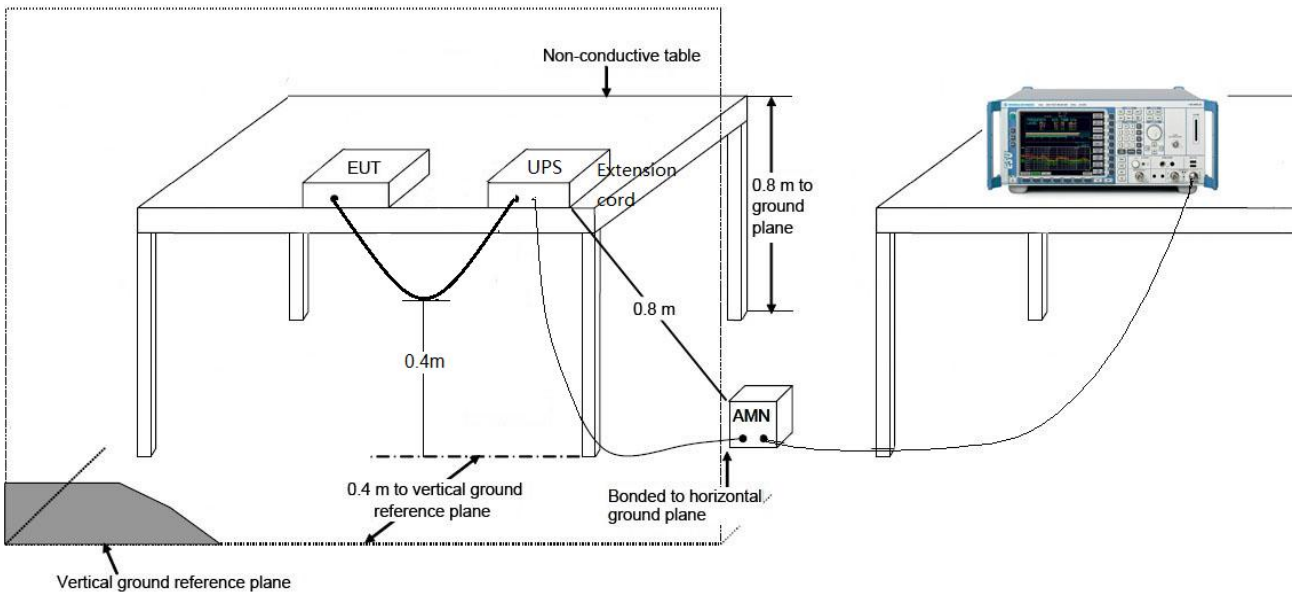
7.8.1. Test Limit

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

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

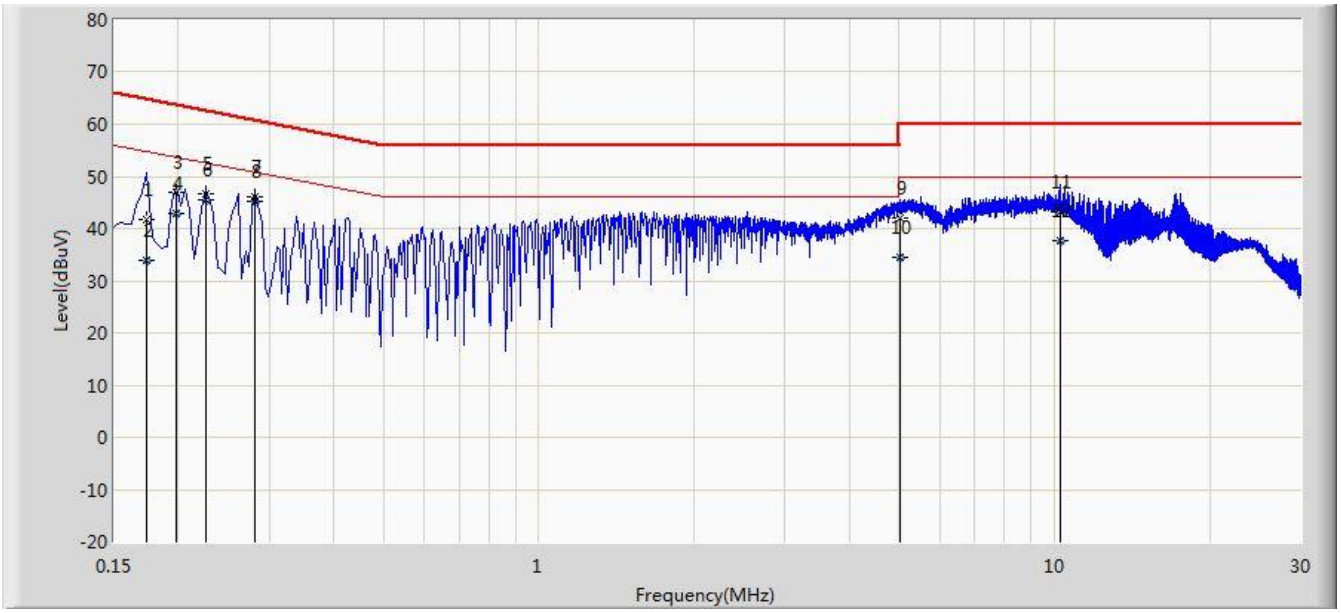
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

Tested By	Roy Cheng	Test Data	2014/07/12 - 10:56
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.207_CE _Class B	Polarity	Line
AMN	LISN_101683-FILTER ON	Test Mode	Normal Operation

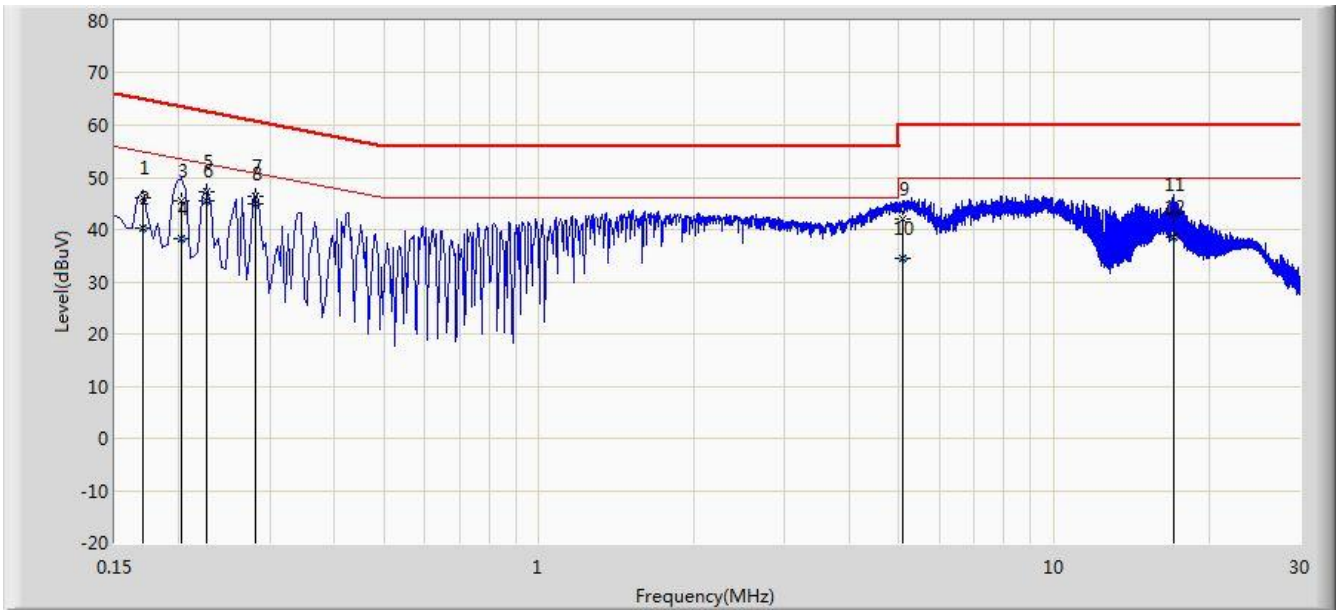


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.174	41.843	31.775	-22.924	64.767	10.068	QP
2			0.174	33.919	23.851	-20.849	54.767	10.068	AV
3		*	0.198	46.957	36.952	-16.737	63.694	10.005	QP
4			0.198	42.786	32.781	-10.908	53.694	10.005	AV
5			0.226	46.789	36.845	-15.806	62.595	9.944	QP
6			0.226	45.554	35.610	-7.041	52.595	9.944	AV
7			0.282	46.190	36.200	-14.567	60.757	9.990	QP
8			0.282	45.262	35.273	-5.494	50.757	9.990	AV
9			5.030	41.957	31.923	-18.043	60.000	10.035	QP
10			5.030	34.435	24.400	-15.565	50.000	10.035	AV
11			10.282	43.240	33.105	-16.760	60.000	10.135	QP
12			10.282	37.589	27.454	-12.411	50.000	10.135	AV

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

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

Tested By	Roy Cheng	Test Data	2014/07/12 - 11:03
Site	SR2	Power	AC 120V/60Hz
Limit	FCC_Part15.207_CE_Class B	Polarity	Neutral
AMN	LISN_101683-FILTER ON	Test Mode	Normal Operation



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.170	45.977	35.913	-18.983	64.960	10.064	QP
2			0.170	40.342	30.278	-14.618	54.960	10.064	AV
3		*	0.202	45.608	35.600	-17.920	63.528	10.008	QP
4			0.202	38.208	28.200	-15.320	53.528	10.008	AV
5			0.226	47.229	37.246	-15.366	62.595	9.982	QP
6			0.226	45.634	35.652	-6.961	52.595	9.982	AV
7			0.282	46.323	36.298	-14.434	60.757	10.025	QP
8			0.282	45.067	35.043	-5.690	50.757	10.025	AV
9			5.070	42.129	32.076	-17.871	60.000	10.053	QP
10			5.070	34.603	24.550	-15.397	50.000	10.053	AV
11			17.030	42.797	32.678	-17.203	60.000	10.120	QP
12			17.030	38.557	28.437	-11.443	50.000	10.120	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WIFI dual band 4 GE LAN GPON HGU FCC ID: 2ABLK-8X4G-2** is in compliance with Part 15C of the FCC Rules.

The End