

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

7.5.1. Test Limit

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

7.5.2. Test Procedure Used

KDB 558074 D01v03r03 - Section 11.2 & Section 11.3

7.5.3. Test Setting

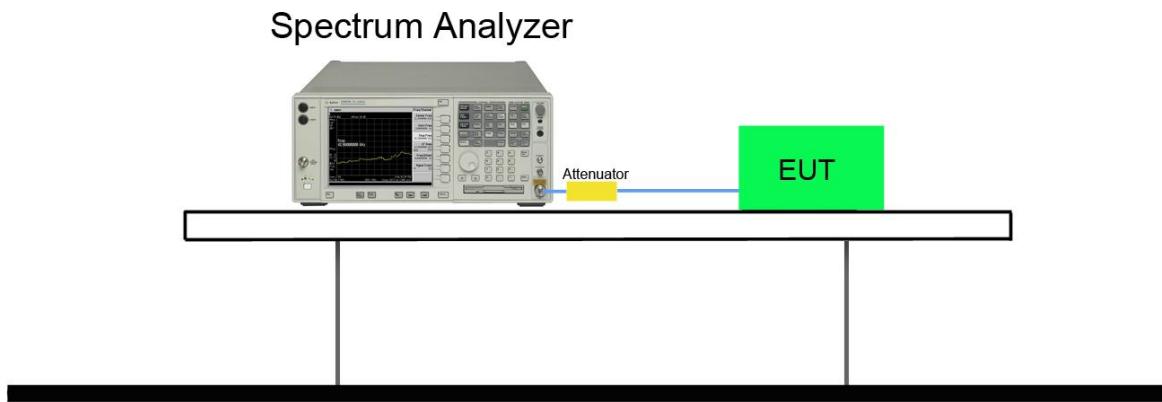
1. Reference level measurement

- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to \geq 1.5 times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW \geq 3 x RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

2. Emission level measurement

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Trace mode = max hold
- (f) Sweep time = auto couple
- (g) The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 1					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	6.5	01	2412	30dBc	Pass
802.11n-HT20	6.5	06	2437	30dBc	Pass
802.11n-HT20	6.5	11	2462	30dBc	Pass
802.11n-HT40	13.5	03	2422	30dBc	Pass
802.11n-HT40	13.5	06	2437	30dBc	Pass
802.11n-HT40	13.5	09	2452	30dBc	Pass
Ant 2					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	6.5	01	2412	30dBc	Pass
802.11n-HT20	6.5	06	2437	30dBc	Pass
802.11n-HT20	6.5	11	2462	30dBc	Pass
802.11n-HT40	13.5	03	2422	30dBc	Pass
802.11n-HT40	13.5	06	2437	30dBc	Pass
802.11n-HT40	13.5	09	2452	30dBc	Pass

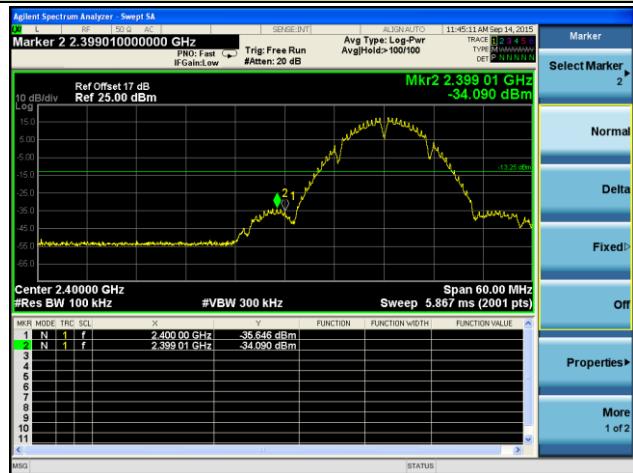
802.11b Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

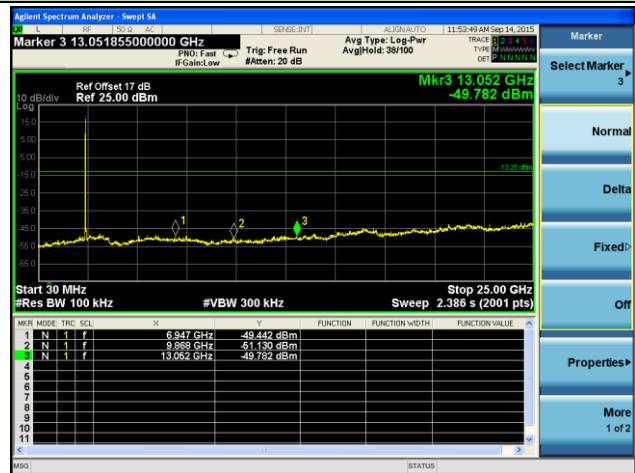


Channel 01 (2412MHz)

Low Band Edge

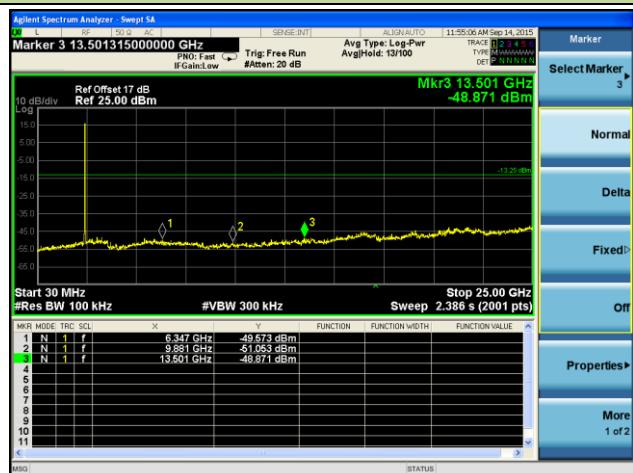


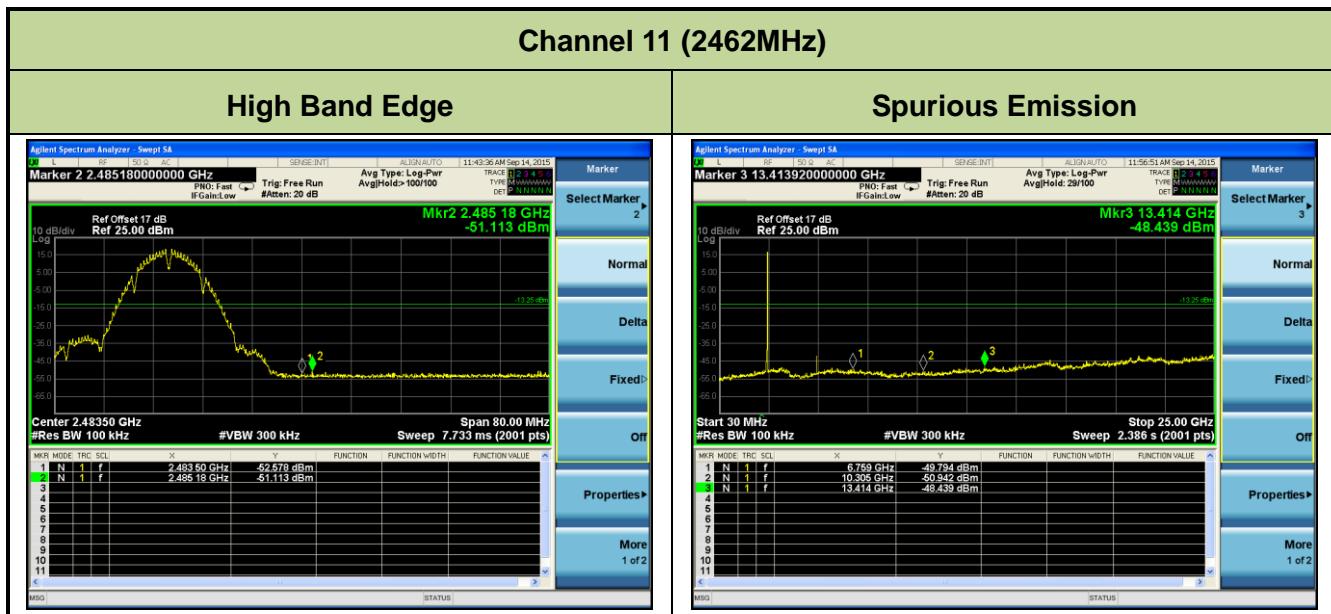
Spurious Emission



Channel 06 (2437MHz)

Spurious Emission





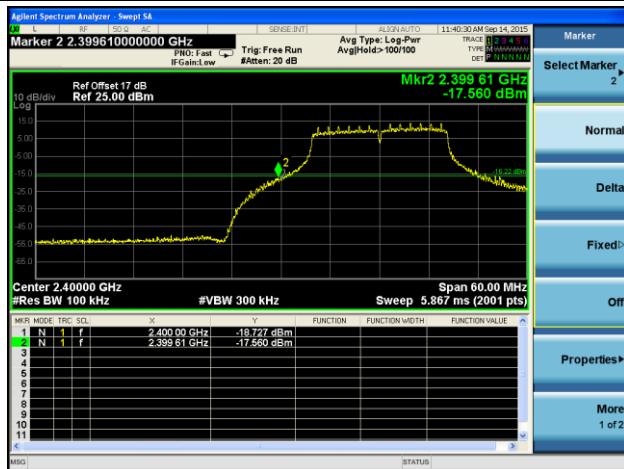
802.11g Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

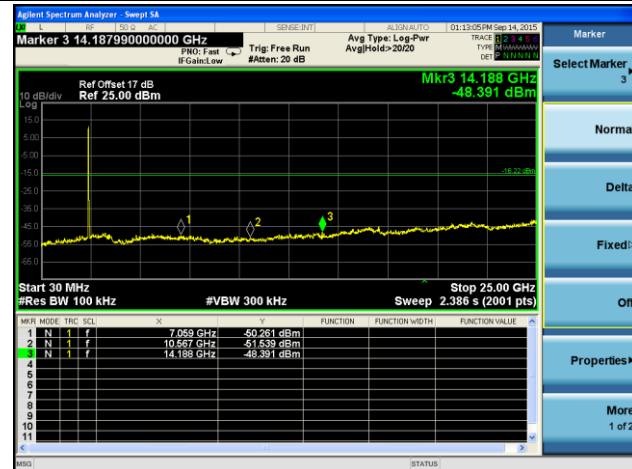


Channel 01 (2412MHz)

Low Band Edge



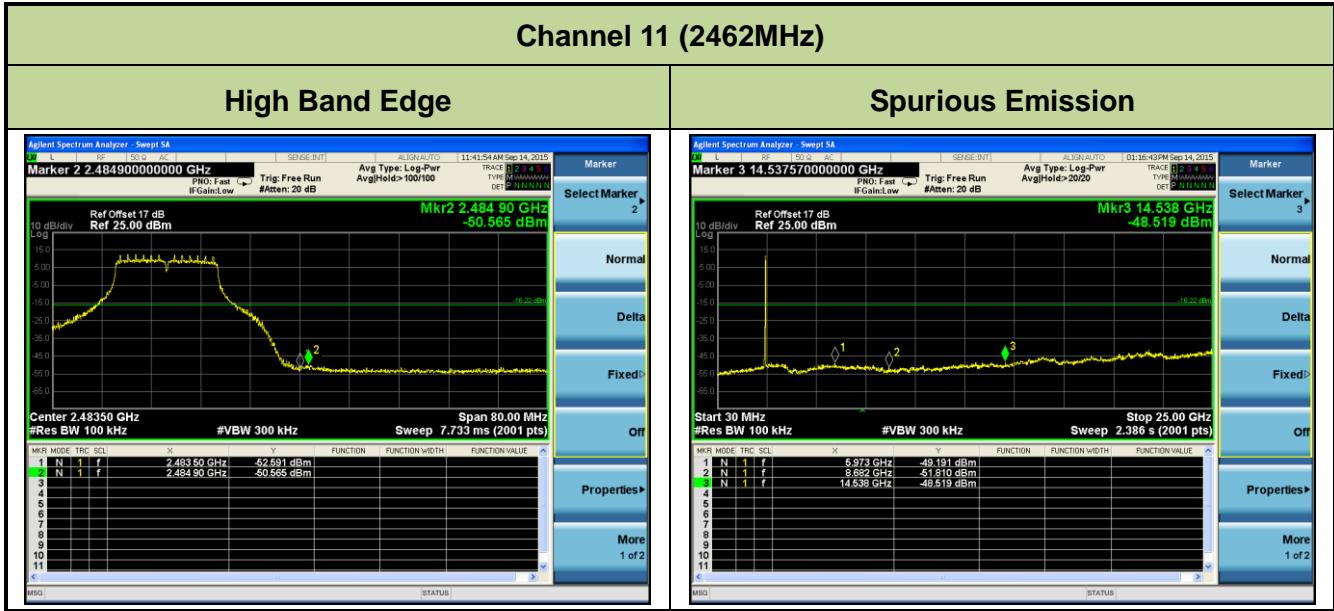
Spurious Emission



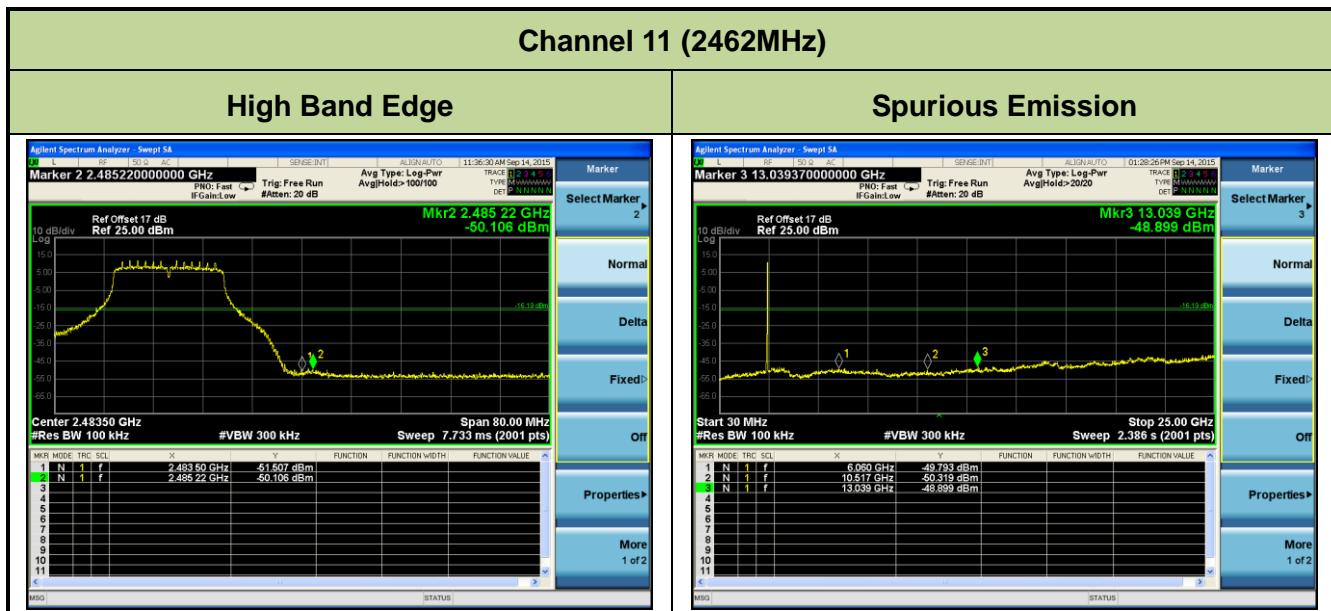
Channel 06 (2437MHz)

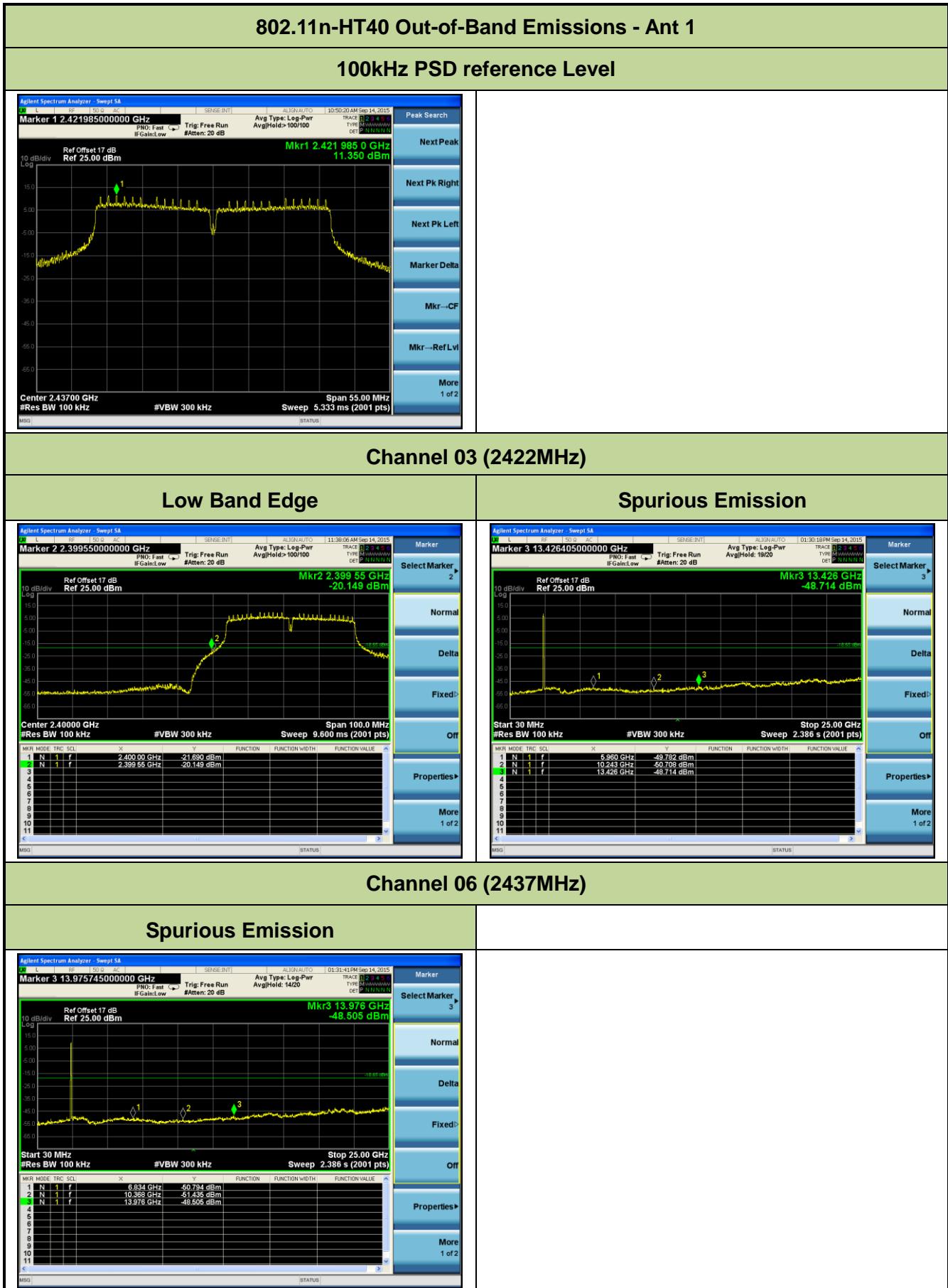
Spurious Emission

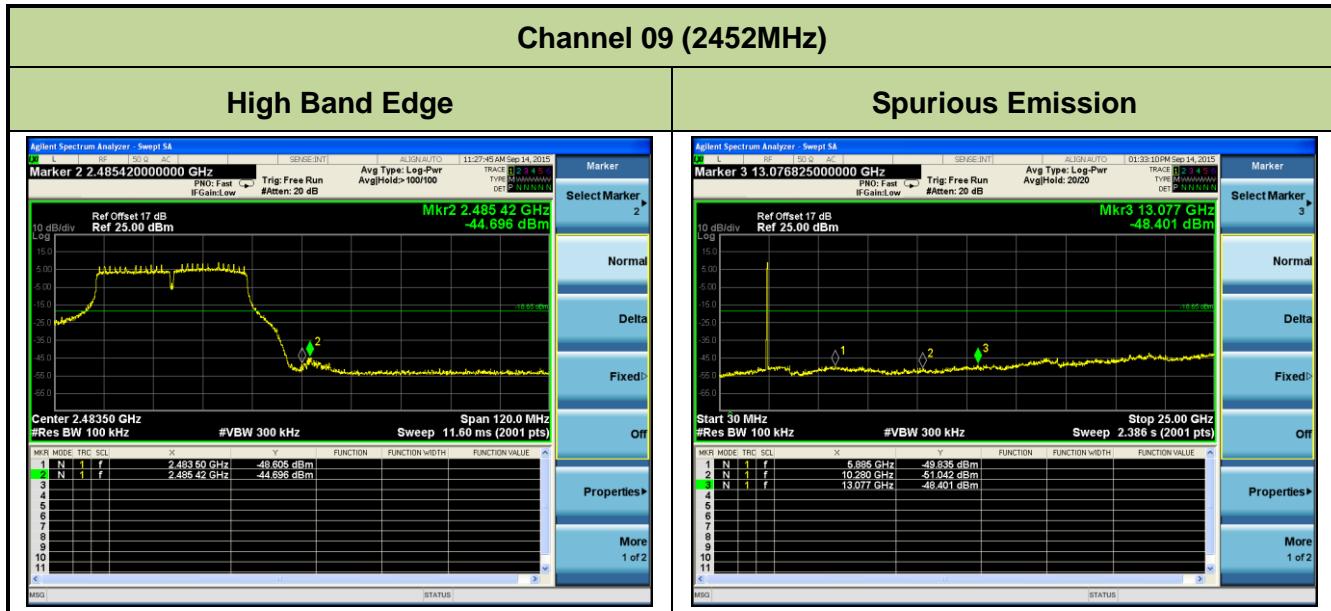












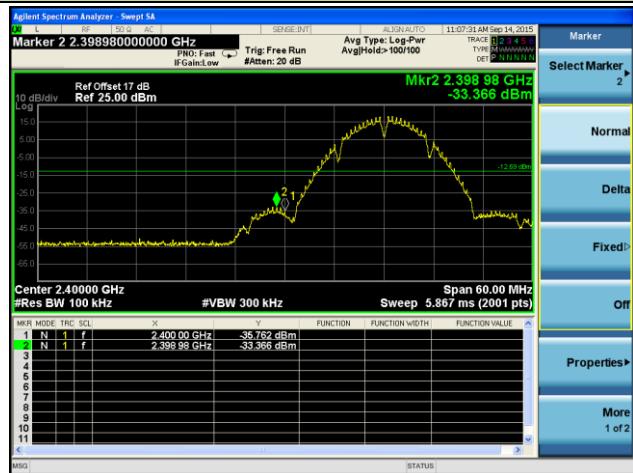
802.11b Out-of-Band Emissions - Ant 2

100kHz PSD reference Level



Channel 01 (2412MHz)

Low Band Edge

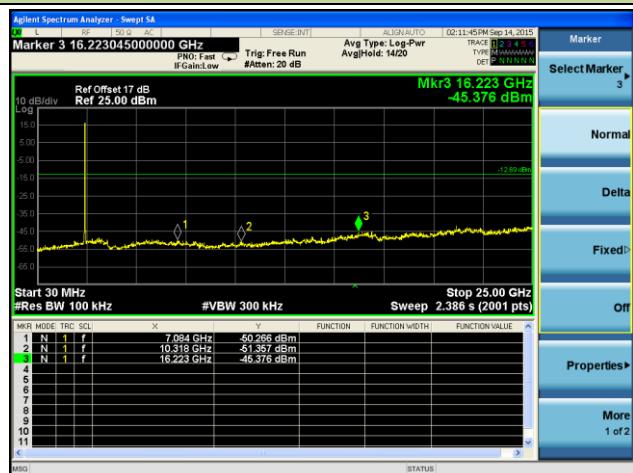


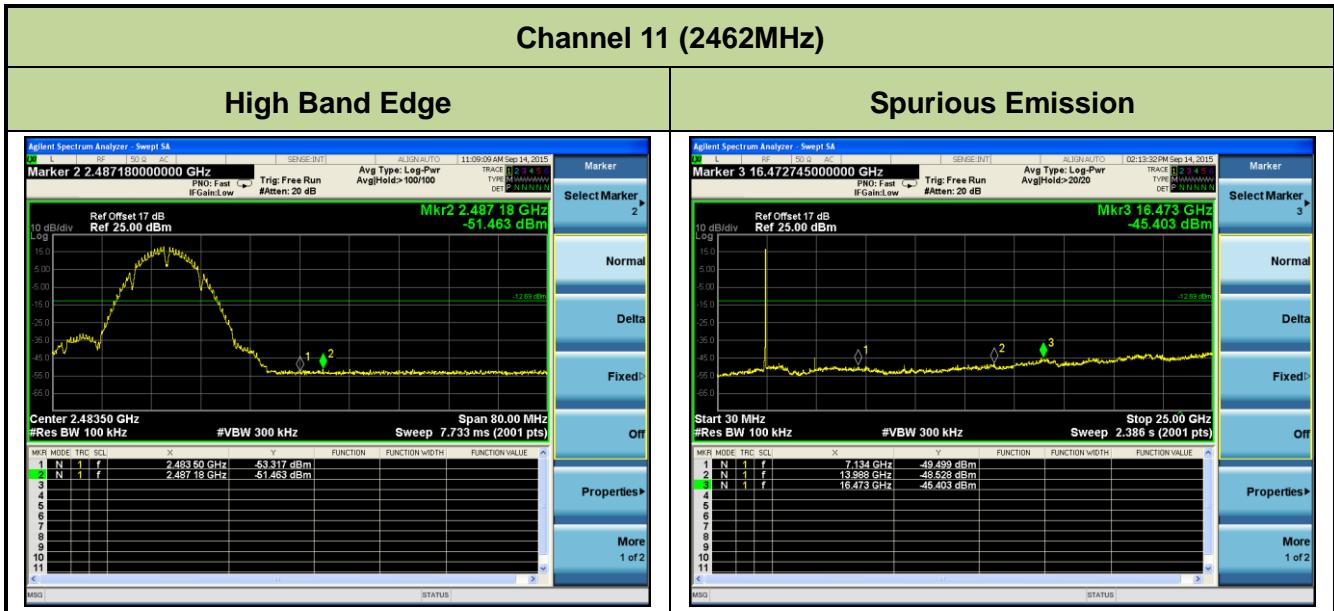
Spurious Emission

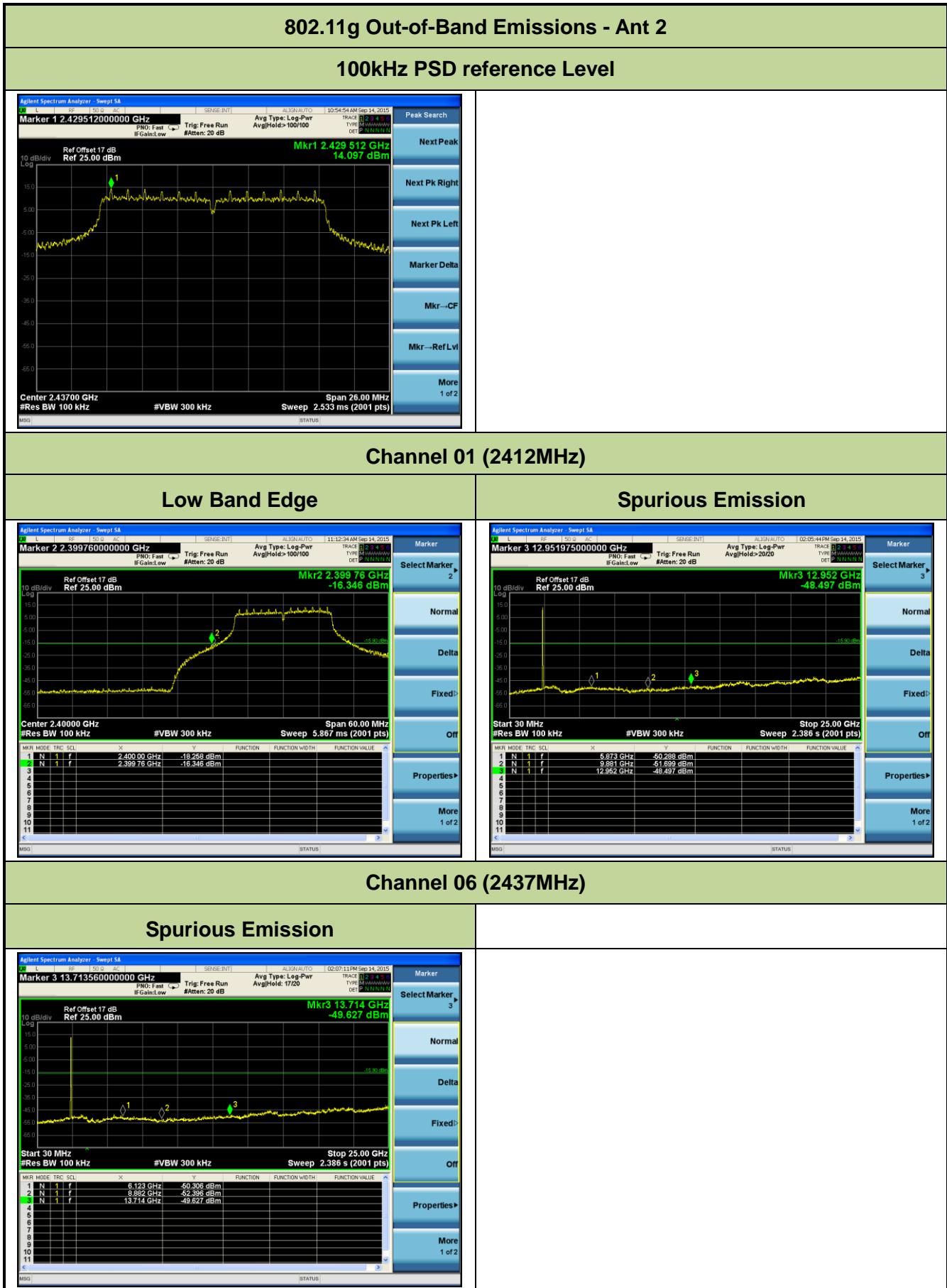


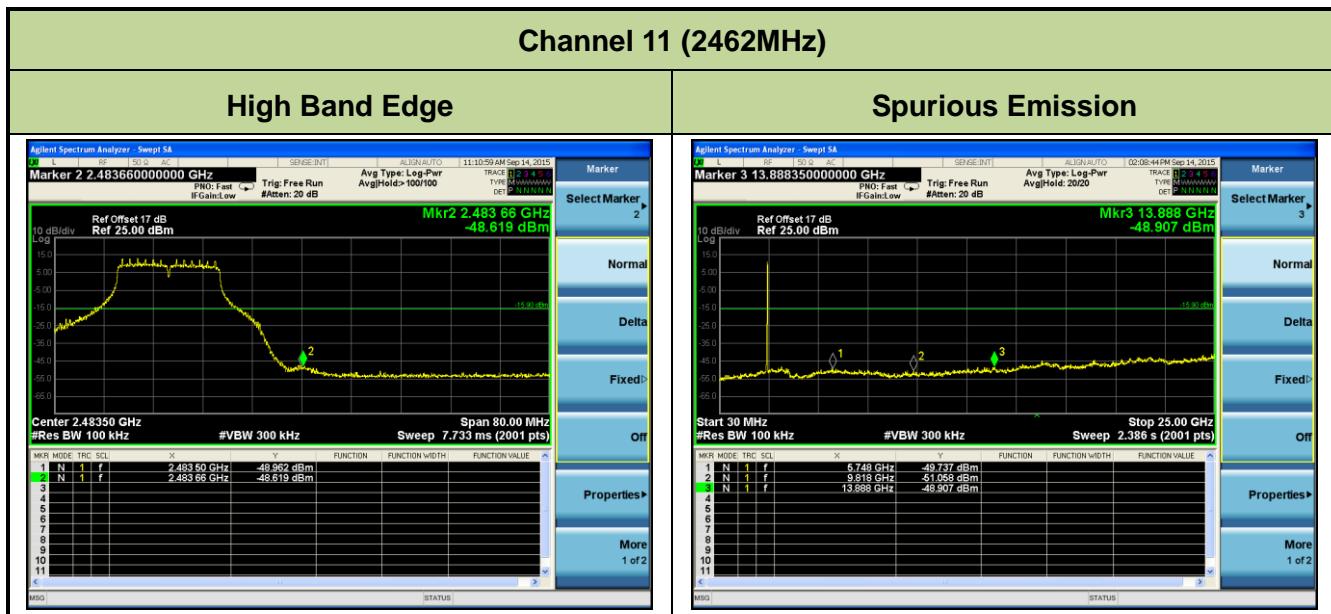
Channel 06 (2437MHz)

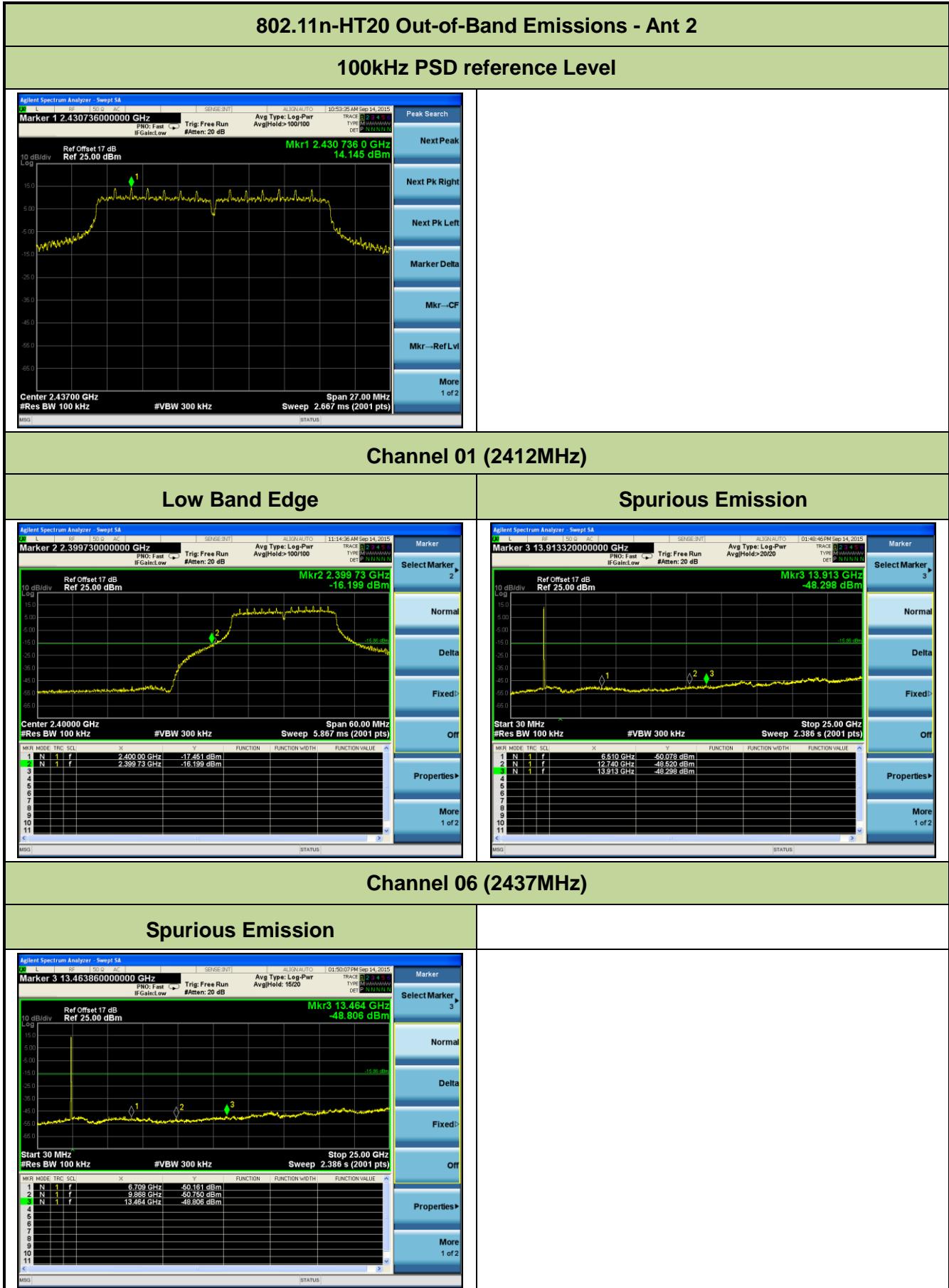
Spurious Emission

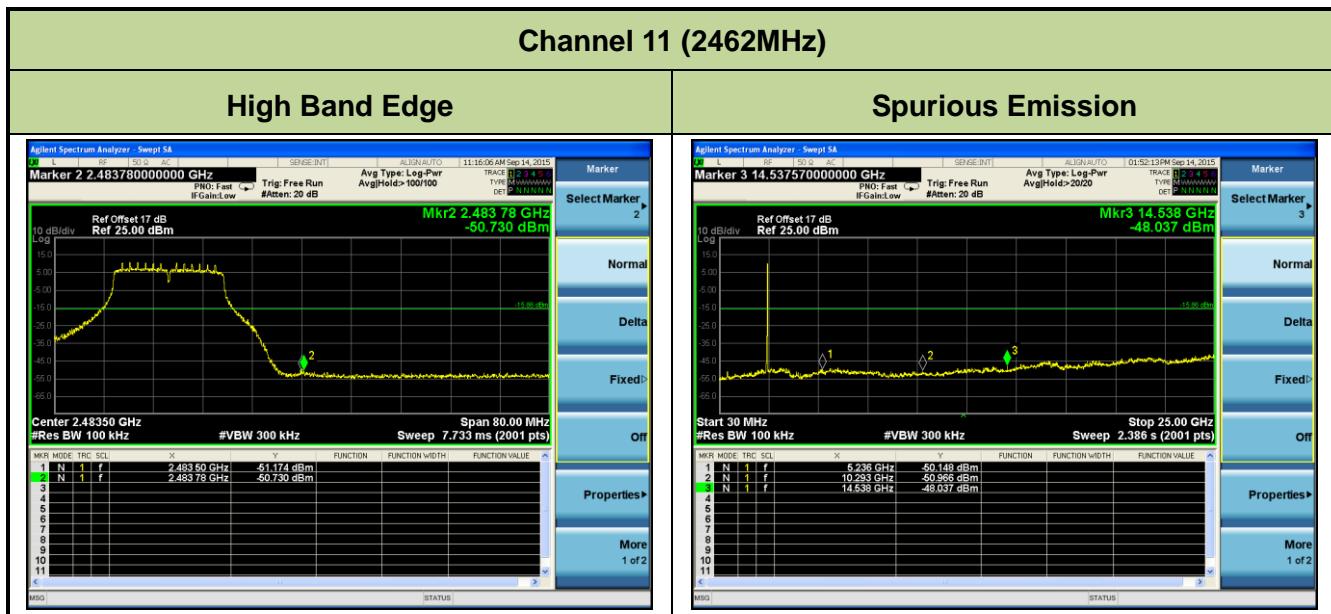












802.11n-HT40 Out-of-Band Emissions - Ant 2

100kHz PSD reference Level

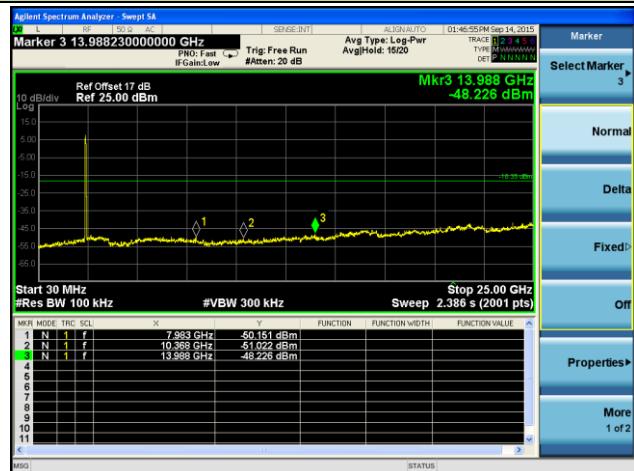


Channel 03 (2422MHz)

Low Band Edge

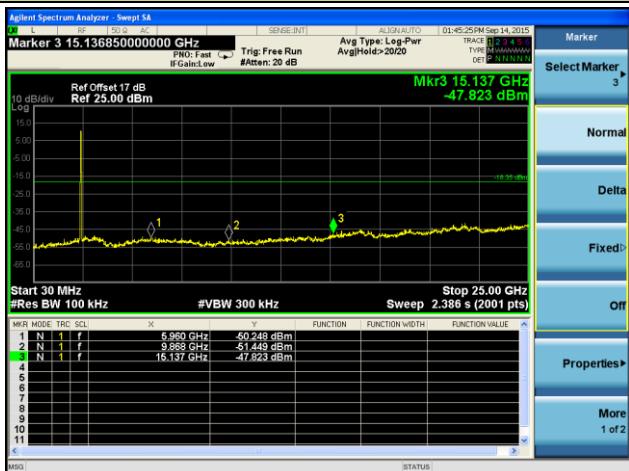


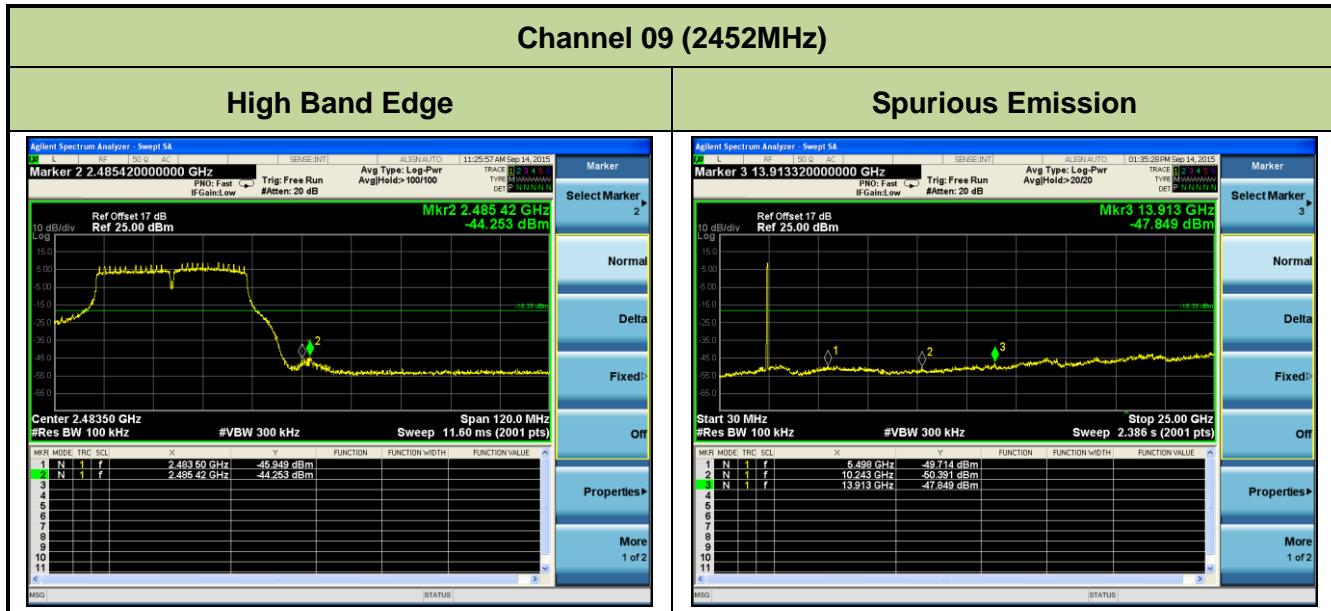
Spurious Emission



Channel 06 (2437MHz)

Spurious Emission





7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

KDB 558074 D01v03r03 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r03 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r03 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r03

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

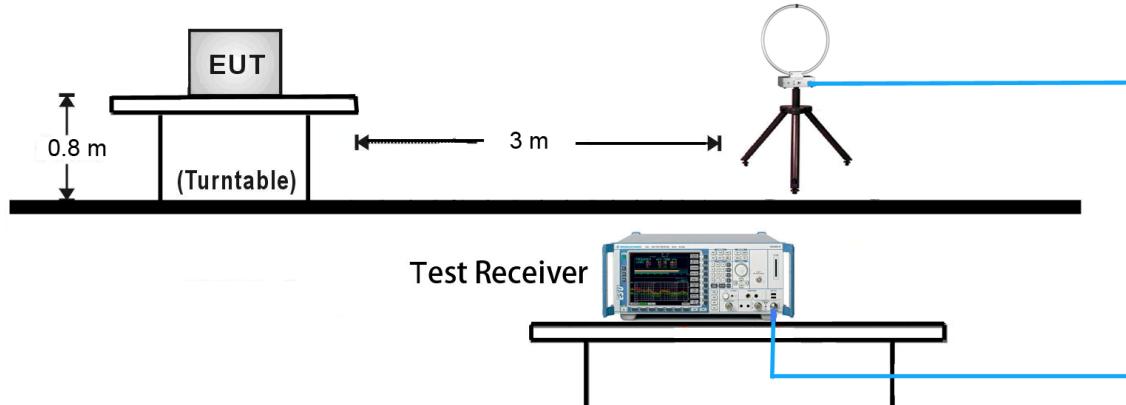
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r03

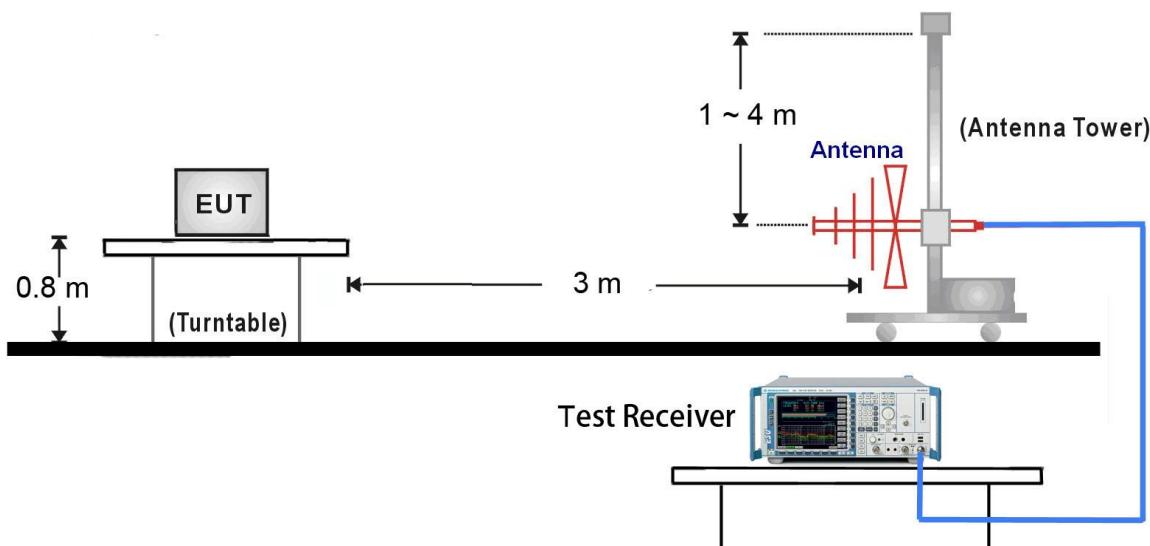
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

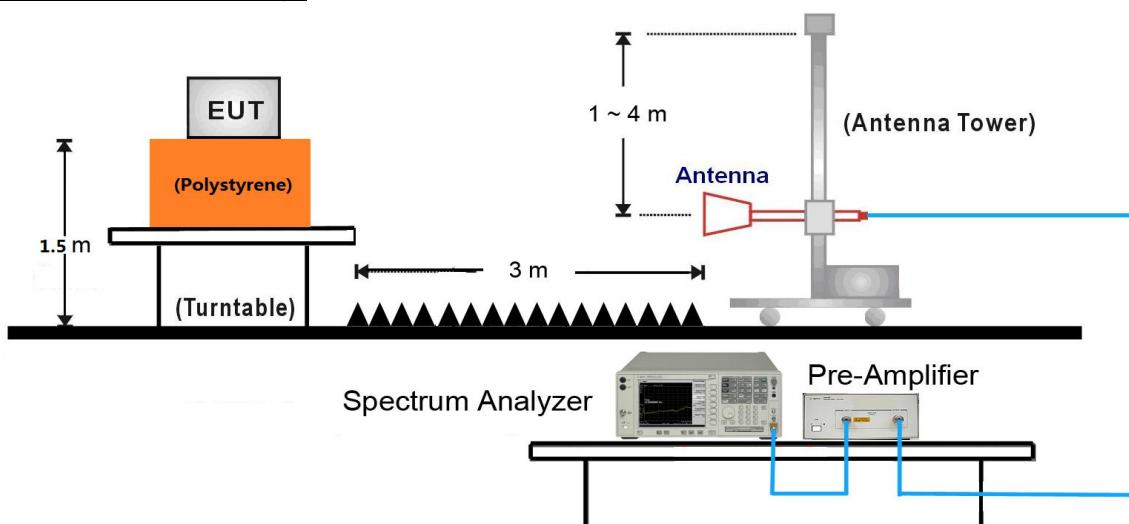
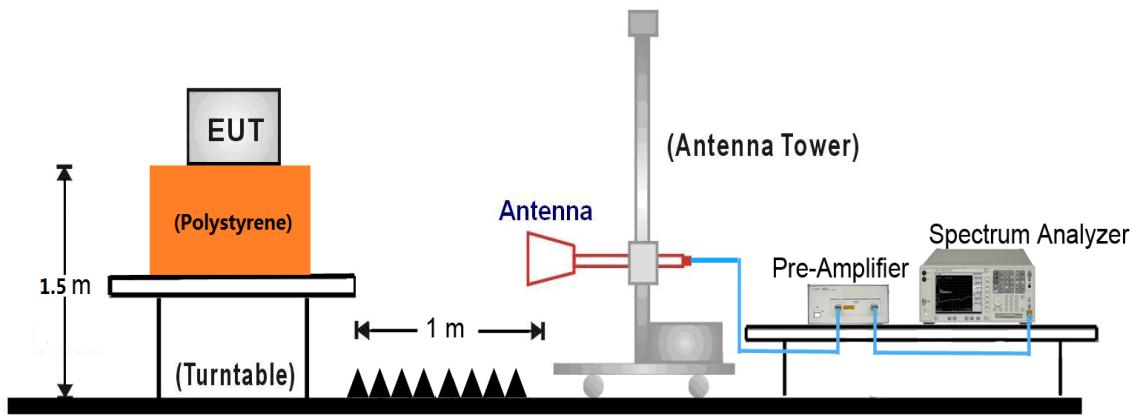
7.6.4. Test Setup

9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

18GHz ~25GHz Test Setup:


7.6.5. Test Result

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3592.5	38.1	-0.7	37.4	94.4	-57.0	Peak	Horizontal
*	4425.5	35.5	1.5	37.0	94.4	-57.4	Peak	Horizontal
	4825.0	37.4	2.7	40.1	74.0	-33.9	Peak	Horizontal
	7655.5	36.6	8.0	44.6	74.0	-29.4	Peak	Horizontal
*	3541.5	38.7	-0.9	37.8	94.4	-56.6	Peak	Vertical
*	4442.5	36.3	1.5	37.8	94.4	-56.6	Peak	Vertical
	4825.0	39.6	2.7	42.3	74.0	-31.7	Peak	Vertical
	7553.5	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.4dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3473.5	38.5	-1.3	37.2	93.8	-56.6	Peak	Horizontal
*	4493.5	36.4	1.6	38.0	93.8	-55.8	Peak	Horizontal
	4876.0	39.4	2.7	42.1	74.0	-31.9	Peak	Horizontal
	7315.5	36.3	8.0	44.3	74.0	-29.7	Peak	Horizontal
*	3558.5	38.3	-0.8	37.5	93.8	-56.3	Peak	Vertical
*	4425.5	36.2	1.5	37.7	93.8	-56.1	Peak	Vertical
	4876.0	43.4	2.7	46.1	74.0	-27.9	Peak	Vertical
	7400.5	36.3	7.9	44.2	74.0	-29.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (123.8dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3490.5	37.5	-1.2	36.3	95.2	-58.9	Peak	Horizontal
*	4485.0	35.6	1.6	37.2	95.2	-58.0	Peak	Horizontal
	4927.0	42.2	2.8	45.0	74.0	-29.0	Peak	Horizontal
	7604.5	36.0	8.1	44.1	74.0	-29.9	Peak	Horizontal
*	3584.0	39.0	-0.8	38.2	95.2	-57.0	Peak	Vertical
*	4493.5	36.8	1.6	38.4	95.2	-56.8	Peak	Vertical
	4927.0	45.5	2.8	48.3	74.0	-25.7	Peak	Vertical
	7281.5	36.3	8.0	44.3	74.0	-29.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.2dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	45.7	2.7	48.4	74.0	-25.6	Peak	Horizontal
	5445.5	35.3	3.4	38.7	74.0	-35.3	Peak	Horizontal
*	7239.0	43.5	7.8	51.3	96.6	-45.3	Peak	Horizontal
*	8735.0	35.1	8.9	44.0	96.6	-52.6	Peak	Horizontal
	4825.0	49.3	2.7	52.0	74.0	-22.0	Peak	Vertical
	5352.0	35.5	3.0	38.5	74.0	-35.5	Peak	Vertical
*	7222.0	41.2	7.8	49.0	96.6	-47.6	Peak	Vertical
*	8862.5	35.1	9.1	44.2	96.6	-52.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.6dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4876.0	55.3	2.7	58.0	74.0	-16.0	Peak	Horizontal
	4876.0	39.2	2.7	41.9	54.0	-12.1	Average	Horizontal
	7307.0	40.3	8.0	48.3	74.0	-25.7	Peak	Horizontal
*	8616.0	34.9	8.8	43.7	96.3	-52.6	Peak	Horizontal
*	9772.0	33.8	11.4	45.2	96.3	-51.1	Peak	Horizontal
	4876.0	58.3	2.7	61.0	74.0	-13.0	Peak	Vertical
	4876.0	42.5	2.7	45.2	54.0	-8.8	Average	Vertical
	7315.5	40.7	8.0	48.7	74.0	-25.3	Peak	Vertical
*	8735.0	35.2	8.9	44.1	96.3	-52.2	Peak	Vertical
*	9746.5	35.0	11.3	46.3	96.3	-50.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.3dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4935.5	54.0	2.8	56.8	74.0	-17.2	Peak	Horizontal
	4935.5	37.0	2.8	39.8	54.0	-14.2	Average	Horizontal
	7383.5	39.7	7.9	47.6	74.0	-26.4	Peak	Horizontal
*	8837.0	34.5	9.1	43.6	95.9	-52.3	Peak	Horizontal
*	9729.5	33.8	11.1	44.9	95.9	-51.0	Peak	Horizontal
	4918.5	51.0	2.8	53.8	74.0	-20.2	Peak	Vertical
	7392.0	38.3	7.9	46.2	74.0	-27.8	Peak	Vertical
*	8701.0	35.0	9.0	44.0	95.9	-51.9	Peak	Vertical
*	9763.5	33.9	11.4	45.3	95.9	-50.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.9dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	45.3	2.7	48.0	74.0	-26.0	Peak	Horizontal
	5428.5	36.0	3.3	39.3	74.0	-34.7	Peak	Horizontal
*	7239.0	42.6	7.8	50.4	96.6	-46.2	Peak	Horizontal
*	8828.5	35.3	9.1	44.4	96.6	-52.2	Peak	Horizontal
	4833.5	48.4	2.7	51.1	74.0	-22.9	Peak	Vertical
	5369.0	34.4	3.0	37.4	74.0	-36.6	Peak	Vertical
*	7213.5	42.6	7.8	50.4	96.6	-46.2	Peak	Vertical
*	8769.0	34.9	8.9	43.8	96.6	-52.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.6dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	53.2	2.7	55.9	74.0	-18.1	Peak	Horizontal
	4867.5	38.8	2.7	41.5	54.0	-12.5	Average	Horizontal
	7315.5	39.8	8.0	47.8	74.0	-26.2	Peak	Horizontal
*	8675.5	35.2	8.9	44.1	95.8	-51.7	Peak	Horizontal
*	10511.5	34.7	12.4	47.1	95.8	-48.7	Peak	Horizontal
	4867.5	53.5	2.7	56.2	74.0	-17.8	Peak	Vertical
	4867.5	41.2	2.7	43.9	54.0	-10.1	Average	Vertical
	7307.0	39.8	8.0	47.8	74.0	-26.2	Peak	Vertical
*	9653.0	35.1	11.0	46.1	95.8	-49.7	Peak	Vertical
*	10511.5	33.6	12.4	46.0	95.8	-49.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.8dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4935.5	49.6	2.8	52.4	74.0	-21.6	Peak	Horizontal
	7383.5	37.6	7.9	45.5	74.0	-28.5	Peak	Horizontal
*	8624.5	34.9	8.8	43.7	94.3	-50.6	Peak	Horizontal
*	9814.5	33.8	11.6	45.4	94.3	-48.9	Peak	Horizontal
	4918.5	47.1	2.8	49.9	74.0	-24.1	Peak	Vertical
	7392.0	36.0	7.9	43.9	74.0	-30.1	Peak	Vertical
*	8692.5	35.1	9.0	44.1	94.3	-50.2	Peak	Vertical
*	9857.0	34.7	11.6	46.3	94.3	-48.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.3dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4850.5	42.3	2.7	45.0	74.0	-29.0	Peak	Horizontal
	7256.0	37.9	7.9	45.8	74.0	-28.2	Peak	Horizontal
*	8675.5	35.4	8.9	44.3	92.6	-48.3	Peak	Horizontal
*	9823.0	33.9	11.6	45.5	92.6	-47.1	Peak	Horizontal
	4833.5	46.3	2.7	49.0	74.0	-25.0	Peak	Vertical
	7256.0	36.2	7.9	44.1	74.0	-29.9	Peak	Vertical
*	8709.5	35.0	9.0	44.0	92.6	-48.6	Peak	Vertical
*	9695.5	33.9	10.9	44.8	92.6	-47.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.6dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	48.0	2.7	50.7	74.0	-23.3	Peak	Horizontal
	7298.5	38.6	8.0	46.6	74.0	-27.4	Peak	Horizontal
*	8752.0	34.6	9.0	43.6	94.1	-50.5	Peak	Horizontal
*	9636.0	34.2	11.0	45.2	94.1	-48.9	Peak	Horizontal
	4867.5	50.4	2.7	53.1	74.0	-20.9	Peak	Vertical
	7307.0	38.1	8.0	46.1	74.0	-27.9	Peak	Vertical
*	8820.0	34.6	9.0	43.6	94.1	-50.5	Peak	Vertical
*	9933.5	34.3	11.5	45.8	94.1	-48.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.1dB μ V/m) or 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	45.1	2.8	47.9	74.0	-26.1	Peak	Horizontal
	7366.5	36.7	7.9	44.6	74.0	-29.4	Peak	Horizontal
*	8828.5	34.7	9.1	43.8	91.8	-48.0	Peak	Horizontal
*	9831.5	33.6	11.6	45.2	91.8	-46.6	Peak	Horizontal
	4893.0	45.6	2.7	48.3	74.0	-25.7	Peak	Vertical
	7494.0	36.2	8.2	44.4	74.0	-29.6	Peak	Vertical
*	8701.0	34.3	9.0	43.3	91.8	-48.5	Peak	Vertical
*	9865.5	35.0	11.6	46.6	91.8	-45.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.8dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3516.0	37.9	-1.1	36.8	74.0	-37.2	Peak	Horizontal
*	7239.0	37.1	7.8	44.9	74.0	-29.1	Peak	Horizontal
	8157.0	36.1	8.4	44.5	95.2	-50.7	Peak	Horizontal
	9474.5	33.7	10.6	44.3	95.2	-50.9	Peak	Horizontal
*	3524.5	38.8	-1.0	37.8	74.0	-36.2	Peak	Vertical
*	4459.5	36.2	1.5	37.7	74.0	-36.3	Peak	Vertical
	4825.0	41.1	2.7	43.8	95.2	-51.4	Peak	Vertical
	7536.5	36.6	8.3	44.9	95.2	-50.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.2dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3541.5	38.0	-0.9	37.1	74.0	-36.9	Peak	Horizontal
*	4493.5	36.7	1.6	38.3	74.0	-35.7	Peak	Horizontal
	4876.0	45.6	2.7	48.3	94.1	-45.8	Peak	Horizontal
	7315.5	37.3	8.0	45.3	94.1	-48.8	Peak	Horizontal
*	3473.5	38.4	-1.3	37.1	74.0	-36.9	Peak	Vertical
*	4434.0	36.4	1.5	37.9	74.0	-36.1	Peak	Vertical
	4876.0	50.6	2.7	53.3	94.1	-40.8	Peak	Vertical
	7307.0	37.2	8.0	45.2	94.1	-48.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.1dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3567.0	38.3	-0.8	37.5	74.0	-36.5	Peak	Horizontal
*	4493.5	35.1	1.6	36.7	74.0	-37.3	Peak	Horizontal
	4927.0	44.7	2.8	47.5	95.2	-47.7	Peak	Horizontal
	7664.0	36.3	8.0	44.3	95.2	-50.9	Peak	Horizontal
*	3516.0	37.9	-1.1	36.8	74.0	-37.2	Peak	Vertical
*	4425.5	35.8	1.5	37.3	74.0	-36.7	Peak	Vertical
	4927.0	50.0	2.8	52.8	95.2	-42.4	Peak	Vertical
	7383.5	36.8	7.9	44.7	95.2	-50.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.2dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4825.0	41.0	2.7	43.7	74.0	-30.3	Peak	Horizontal
	7528.0	36.5	8.3	44.8	74.0	-29.2	Peak	Horizontal
*	8769.0	35.3	8.9	44.2	97.7	-53.5	Peak	Horizontal
*	9925.0	34.1	11.5	45.6	97.7	-52.1	Peak	Horizontal
	4816.5	41.3	2.7	44.0	74.0	-30.0	Peak	Vertical
	5420.0	35.9	3.3	39.2	74.0	-34.8	Peak	Vertical
*	7222.0	40.7	7.8	48.5	97.7	-49.2	Peak	Vertical
*	8735.0	34.9	8.9	43.8	97.7	-53.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (127.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	45.2	2.7	47.9	74.0	-26.1	Peak	Horizontal
	7536.5	36.4	8.3	44.7	74.0	-29.3	Peak	Horizontal
*	8837.0	34.7	9.1	43.8	94.1	-50.3	Peak	Horizontal
*	9755.0	35.2	11.4	46.6	94.1	-47.5	Peak	Horizontal
	4876.0	50.1	2.7	52.8	74.0	-21.2	Peak	Vertical
	7315.5	36.8	8.0	44.8	74.0	-29.2	Peak	Vertical
*	8692.5	34.9	9.0	43.9	94.1	-50.2	Peak	Vertical
*	9882.5	33.8	11.6	45.4	94.1	-48.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.1dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	42.1	2.8	44.9	74.0	-29.1	Peak	Horizontal
	7468.5	36.1	8.1	44.2	74.0	-29.8	Peak	Horizontal
*	8803.0	34.9	8.9	43.8	95.1	-51.3	Peak	Horizontal
*	10358.5	34.8	12.2	47.0	95.1	-48.1	Peak	Horizontal
	4918.5	46.2	2.8	49.0	74.0	-25.0	Peak	Vertical
	7392.0	37.5	7.9	45.4	74.0	-28.6	Peak	Vertical
*	8692.5	34.5	9.0	43.5	95.1	-51.6	Peak	Vertical
*	10282.0	33.8	12.0	45.8	95.1	-49.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.1dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4833.5	39.6	2.7	42.3	74.0	-31.7	Peak	Horizontal
	7468.5	35.7	8.1	43.8	74.0	-30.2	Peak	Horizontal
*	8556.5	35.2	8.6	43.8	96.7	-52.9	Peak	Horizontal
*	9933.5	34.4	11.5	45.9	96.7	-50.8	Peak	Horizontal
	4816.5	39.8	2.7	42.5	74.0	-31.5	Peak	Vertical
	5420.0	36.0	3.3	39.3	74.0	-34.7	Peak	Vertical
*	7230.5	41.3	7.8	49.1	96.7	-47.6	Peak	Vertical
*	8837.0	34.6	9.1	43.7	96.7	-53.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	46.3	2.7	49.0	74.0	-25.0	Peak	Horizontal
	7290.0	36.3	8.0	44.3	74.0	-29.7	Peak	Horizontal
*	8854.0	34.6	9.1	43.7	97.2	-53.5	Peak	Horizontal
*	9882.5	34.2	11.6	45.8	97.2	-51.4	Peak	Horizontal
	4876.0	49.9	2.7	52.6	74.0	-21.4	Peak	Vertical
	7307.0	37.4	8.0	45.4	74.0	-28.6	Peak	Vertical
*	8675.5	34.9	8.9	43.8	97.2	-53.4	Peak	Vertical
*	9585.0	35.2	10.9	46.1	97.2	-51.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (127.2dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	39.6	2.8	42.4	74.0	-31.6	Peak	Horizontal
	7434.5	36.2	8.0	44.2	74.0	-29.8	Peak	Horizontal
*	8641.5	35.0	8.8	43.8	93.6	-49.8	Peak	Horizontal
*	9797.5	33.7	11.5	45.2	93.6	-48.4	Peak	Horizontal
	4927.0	43.9	2.8	46.7	74.0	-27.3	Peak	Vertical
	7545.0	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
	8633.0	36.2	8.8	45.0	93.6	-48.6	Peak	Vertical
*	9806.0	33.6	11.5	45.1	93.6	-48.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (123.6dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4850.5	37.0	2.7	39.7	74.0	-34.3	Peak	Horizontal
	7536.5	36.3	8.3	44.6	74.0	-29.4	Peak	Horizontal
*	8922.0	35.1	9.1	44.2	92.6	-48.4	Peak	Horizontal
*	9882.5	33.7	11.6	45.3	92.6	-47.3	Peak	Horizontal
	4842.0	38.5	2.7	41.2	74.0	-32.8	Peak	Vertical
	7460.0	35.7	8.1	43.8	74.0	-30.2	Peak	Vertical
*	8633.0	35.0	8.8	43.8	92.6	-48.8	Peak	Vertical
*	9916.5	34.2	11.5	45.7	92.6	-46.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.6dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4850.5	42.1	2.7	44.8	74.0	-29.2	Peak	Horizontal
	7477.0	35.9	8.2	44.1	74.0	-29.9	Peak	Horizontal
*	8709.5	34.4	9.0	43.4	96.7	-53.3	Peak	Horizontal
*	9814.5	32.7	11.6	44.3	96.7	-52.4	Peak	Horizontal
	4876.0	43.9	2.7	46.6	74.0	-27.4	Peak	Vertical
	7324.0	36.6	8.0	44.6	74.0	-29.4	Peak	Vertical
*	8684.0	34.9	9.0	43.9	96.7	-52.8	Peak	Vertical
*	9738.0	33.7	11.2	44.9	96.7	-51.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4901.5	38.1	2.7	40.8	74.0	-33.2	Peak	Horizontal
	7409.0	35.8	8.0	43.8	74.0	-30.2	Peak	Horizontal
*	8607.5	34.9	8.8	43.7	92.1	-48.4	Peak	Horizontal
*	9644.5	35.4	11.0	46.4	92.1	-45.7	Peak	Horizontal
	4901.5	41.8	2.7	44.5	74.0	-29.5	Peak	Vertical
	7528.0	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
*	8633.0	35.7	8.8	44.5	92.1	-47.6	Peak	Vertical
*	9916.5	33.6	11.5	45.1	92.1	-47.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.1dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3541.5	39.1	-0.9	38.2	74.0	-35.8	Peak	Horizontal
*	4442.5	35.4	1.5	36.9	74.0	-37.1	Peak	Horizontal
	4825.0	38.0	2.7	40.7	95.6	-54.9	Peak	Horizontal
	7536.5	36.8	8.3	45.1	95.6	-50.5	Peak	Horizontal
*	3448.0	38.7	-1.4	37.3	74.0	-36.7	Peak	Vertical
*	4459.5	35.7	1.5	37.2	74.0	-36.8	Peak	Vertical
	4825.0	41.2	2.7	43.9	95.6	-51.7	Peak	Vertical
	7239.0	40.5	7.8	48.3	95.6	-47.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.6dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3575.5	38.4	-0.8	37.6	74.0	-36.4	Peak	Horizontal
*	4425.5	34.5	1.5	36.0	74.0	-38.0	Peak	Horizontal
	4876.0	44.6	2.7	47.3	95.7	-48.4	Peak	Horizontal
	7307.0	36.7	8.0	44.7	95.7	-51.0	Peak	Horizontal
*	3422.5	38.6	-1.6	37.0	74.0	-37.0	Peak	Vertical
*	4442.5	35.4	1.5	36.9	74.0	-37.1	Peak	Vertical
	4876.0	49.2	2.7	51.9	95.7	-43.8	Peak	Vertical
	7315.5	40.3	8.0	48.3	95.7	-47.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11b – Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	3558.5	38.6	-0.8	37.8	74.0	-36.2	Peak	Horizontal
*	4459.5	35.7	1.5	37.2	74.0	-36.8	Peak	Horizontal
	4927.0	45.3	2.8	48.1	95.9	-47.8	Peak	Horizontal
	7579.0	35.9	8.2	44.1	95.9	-51.8	Peak	Horizontal
*	3533.0	38.2	-1.0	37.2	74.0	-36.8	Peak	Vertical
*	4434.0	35.7	1.5	37.2	74.0	-36.8	Peak	Vertical
	4927.0	49.3	2.8	52.1	95.9	-43.8	Peak	Vertical
	7383.5	37.3	7.9	45.2	95.9	-50.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.9dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	46.1	2.7	48.8	74.0	-25.2	Peak	Horizontal
	5352.0	35.1	3.0	38.1	74.0	-35.9	Peak	Horizontal
*	7230.5	42.2	7.8	50.0	98.7	-48.7	Peak	Horizontal
*	8658.5	35.4	8.8	44.2	98.7	-54.5	Peak	Horizontal
	4816.5	50.8	2.7	53.5	74.0	-20.5	Peak	Vertical
	5454.0	35.3	3.4	38.7	74.0	-35.3	Peak	Vertical
*	7222.0	42.7	7.8	50.5	98.7	-48.2	Peak	Vertical
*	9636.0	34.6	11.0	45.6	98.7	-53.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (128.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4876.0	53.5	2.7	56.2	74.0	-17.8	Peak	Horizontal
	4876.0	40.4	2.7	43.1	54.0	-10.9	Average	Horizontal
	7315.5	42.0	8.0	50.0	74.0	-24.0	Peak	Horizontal
*	8854.0	35.1	9.1	44.2	98.5	-54.3	Peak	Horizontal
*	9899.5	34.3	11.6	45.9	98.5	-52.6	Peak	Horizontal
	4876.0	56.0	2.7	58.7	74.0	-15.3	Peak	Vertical
	4876.0	43.5	2.7	46.2	54.0	-7.8	Average	Vertical
	7307.0	39.2	8.0	47.2	74.0	-26.8	Peak	Vertical
*	8811.5	35.2	9.0	44.2	98.5	-54.3	Peak	Vertical
*	9840.0	33.9	11.6	45.5	98.5	-53.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (128.5dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	49.5	2.8	52.3	74.0	-21.7	Peak	Horizontal
	7375.0	39.9	7.9	47.8	74.0	-26.2	Peak	Horizontal
*	8624.5	35.3	8.8	44.1	95.9	-51.8	Peak	Horizontal
*	9891.0	33.2	11.6	44.8	95.9	-51.1	Peak	Horizontal
	4927.0	46.4	2.8	49.2	74.0	-24.8	Peak	Vertical
	7375.0	37.1	7.9	45.0	74.0	-29.0	Peak	Vertical
*	8599.0	34.6	8.7	43.3	95.9	-52.6	Peak	Vertical
*	9653.0	33.5	11.0	44.5	95.9	-51.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (125.9dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	44.5	2.7	47.2	74.0	-26.8	Peak	Horizontal
	5428.5	34.3	3.3	37.6	74.0	-36.4	Peak	Horizontal
*	7230.5	41.3	7.8	49.1	97.9	-48.8	Peak	Horizontal
*	9585.0	33.9	10.9	44.8	97.9	-53.1	Peak	Horizontal
	4833.5	50.9	2.7	53.6	74.0	-20.4	Peak	Vertical
	5386.0	34.9	3.0	37.9	74.0	-36.1	Peak	Vertical
*	7239.0	42.1	7.8	49.9	97.9	-48.0	Peak	Vertical
*	9636.0	36.5	11.0	47.5	97.9	-50.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (127.9dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4876.0	50.3	2.7	53.0	74.0	-21.0	Peak	Horizontal
	7307.0	41.4	8.0	49.4	74.0	-24.6	Peak	Horizontal
*	8769.0	34.6	8.9	43.5	97.7	-54.2	Peak	Horizontal
*	9695.5	33.9	10.9	44.8	97.7	-52.9	Peak	Horizontal
	4876.0	54.7	2.7	57.4	74.0	-16.6	Peak	Vertical
	4876.0	41.2	2.7	43.9	54.0	-10.1	Average	Vertical
	7298.5	39.4	8.0	47.4	74.0	-26.6	Peak	Vertical
*	8888.0	35.0	9.2	44.2	97.7	-53.5	Peak	Vertical
*	9746.5	34.0	11.3	45.3	97.7	-52.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (127.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4935.5	45.8	2.8	48.6	74.0	-25.4	Peak	Horizontal
	7392.0	37.2	7.9	45.1	74.0	-28.9	Peak	Horizontal
*	8573.5	35.4	8.7	44.1	94.0	-49.9	Peak	Horizontal
*	9874.0	33.7	11.6	45.3	94.0	-48.7	Peak	Horizontal
	4935.5	43.8	2.8	46.6	74.0	-27.4	Peak	Vertical
	7392.0	36.7	7.9	44.6	74.0	-29.4	Peak	Vertical
*	8582.0	35.1	8.6	43.7	94.0	-50.3	Peak	Vertical
*	9814.5	33.7	11.6	45.3	94.0	-48.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.0dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 1 + 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	43.4	2.7	46.1	74.0	-27.9	Peak	Horizontal
	7519.5	34.7	8.3	43.0	74.0	-31.0	Peak	Horizontal
*	8667.0	34.4	8.9	43.3	93.7	-50.4	Peak	Horizontal
*	9814.5	33.7	11.6	45.3	93.7	-48.4	Peak	Horizontal
	4842.0	46.3	2.7	49.0	74.0	-25.0	Peak	Vertical
	7536.5	35.4	8.3	43.7	74.0	-30.3	Peak	Vertical
*	8922.0	35.0	9.1	44.1	93.7	-49.6	Peak	Vertical
*	10010.0	33.7	11.4	45.1	93.7	-48.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (123.7dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4859.0	45.8	2.7	48.5	74.0	-25.5	Peak	Horizontal
	7307.0	37.8	8.0	45.8	74.0	-28.2	Peak	Horizontal
*	8692.5	33.4	9.0	42.4	94.5	-52.1	Peak	Horizontal
*	9780.5	33.4	11.4	44.8	94.5	-49.7	Peak	Horizontal
	4876.0	49.2	2.7	51.9	74.0	-22.1	Peak	Vertical
	7298.5	37.0	8.0	45.0	74.0	-29.0	Peak	Vertical
*	8590.5	35.1	8.7	43.8	94.5	-50.7	Peak	Vertical
*	9772.0	33.8	11.4	45.2	94.5	-49.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.5dB μ V/m) or 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 1 + 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Peak Wang
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4884.5	42.2	2.7	44.9	74.0	-29.1	Peak	Horizontal
	7400.5	36.3	7.9	44.2	74.0	-29.8	Peak	Horizontal
*	8905.0	34.5	9.2	43.7	91.2	-47.5	Peak	Horizontal
*	9908.0	34.1	11.6	45.7	91.2	-45.5	Peak	Horizontal
	4910.0	41.6	2.7	44.3	74.0	-29.7	Peak	Vertical
	7545.0	36.7	8.3	45.0	74.0	-29.0	Peak	Vertical
*	8692.5	34.4	9.0	43.4	91.2	-47.8	Peak	Vertical
*	9729.5	34.3	11.1	45.4	91.2	-45.8	Peak	Vertical

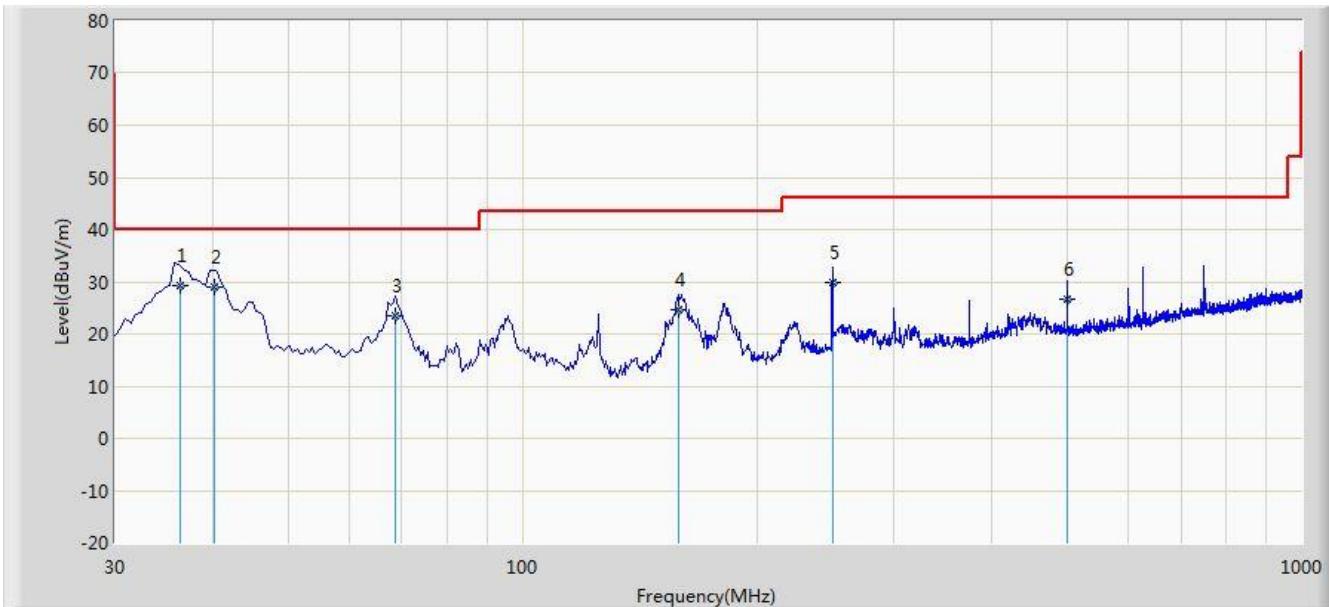
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.2dB μ V/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC 1	Time: 2015/09/20 - 09:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode : Transmit by 802.11n-HT20 at channel 2437MHz	

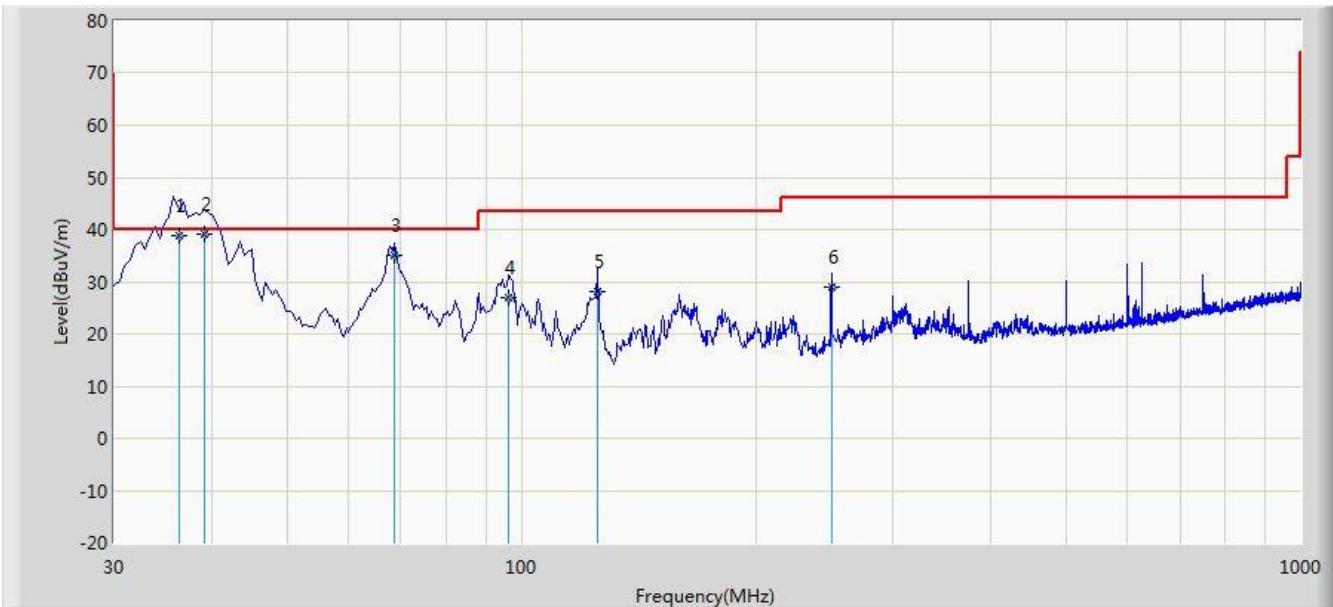


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		36.320	29.316	16.160	-10.684	40.000	13.156	QP
2			40.185	29.119	15.240	-10.881	40.000	13.879	QP
3			68.800	23.493	12.240	-16.507	40.000	11.253	QP
4			158.525	24.498	14.750	-19.002	43.500	9.748	QP
5			250.190	29.952	16.320	-16.048	46.000	13.632	QP
6			499.965	26.649	8.420	-19.351	46.000	18.229	QP

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

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

Site: AC 1	Time: 2015/09/20 - 09:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode : Transmit by 802.11n-HT20 at channel 2437MHz	

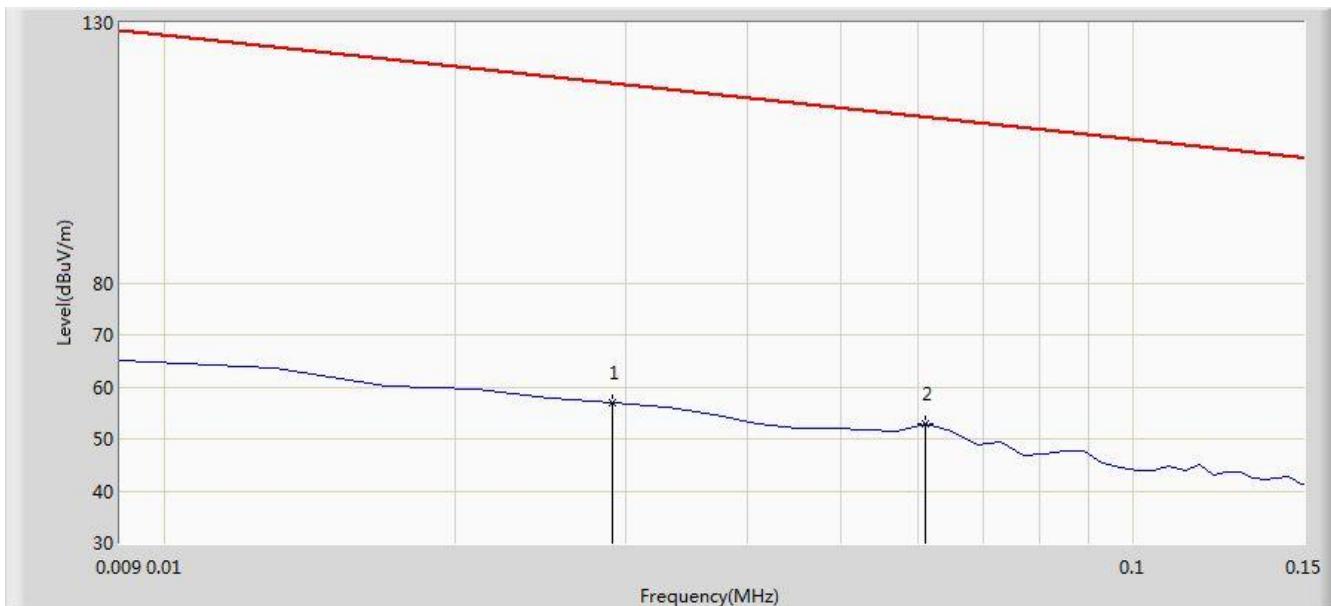


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			36.320	38.776	25.620	-1.224	40.000	13.156	QP
2		*	39.215	39.054	25.360	-0.946	40.000	13.694	QP
3			68.800	35.213	23.960	-4.787	40.000	11.253	QP
4			96.445	26.841	14.360	-16.659	43.500	12.482	QP
5			125.060	28.137	17.640	-15.363	43.500	10.497	QP
6			250.190	28.872	15.240	-17.128	46.000	13.632	QP

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

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

Site: AC1	Time: 2015/09/20 - 18:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

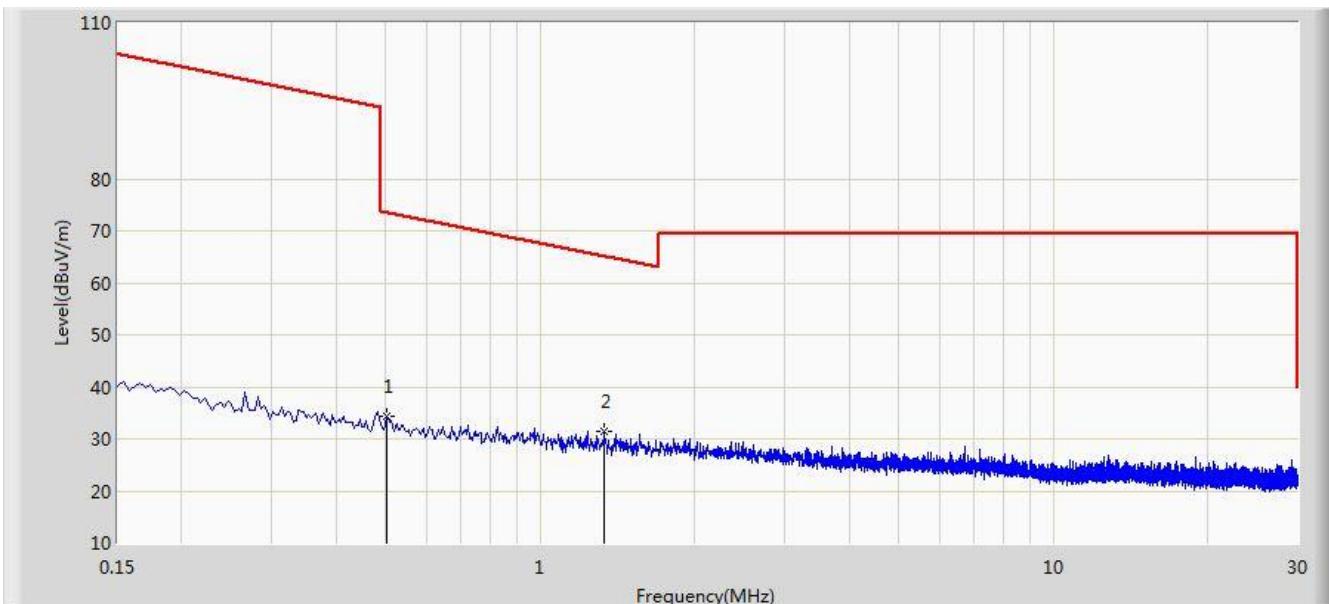


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.893	35.844	-61.449	118.342	21.049	QP
2		*	0.061	52.853	32.542	-59.034	111.887	20.311	QP

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

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

Site: AC1	Time: 2015/09/20 - 18:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	



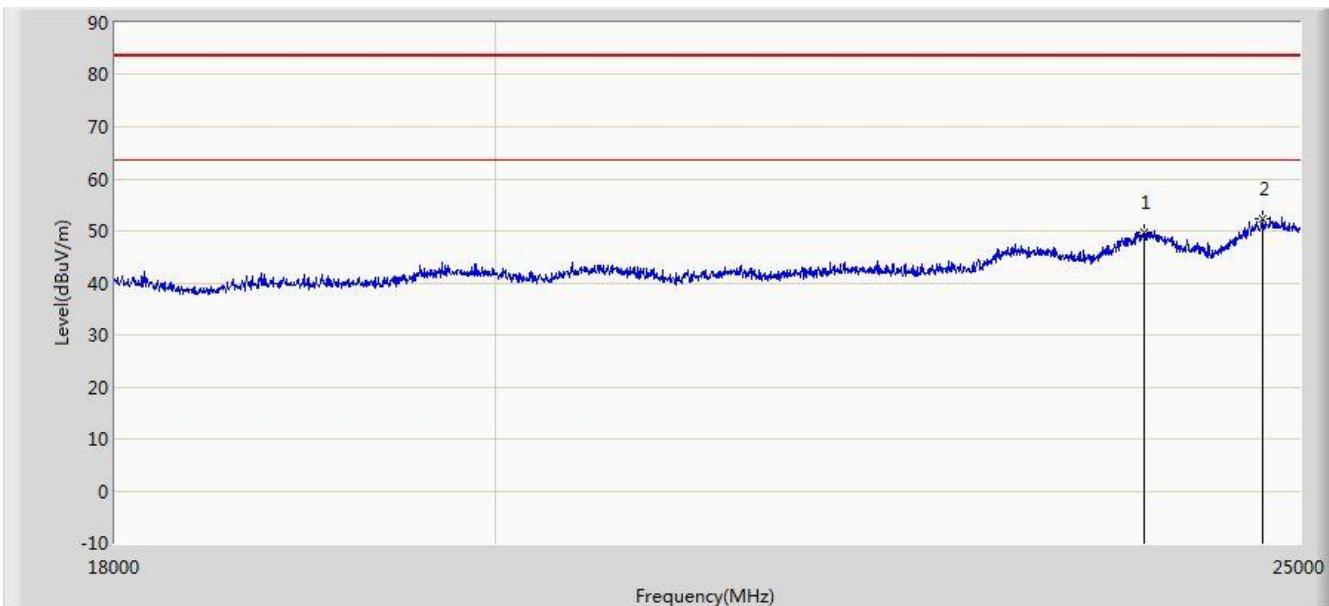
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.502	34.370	13.947	-39.220	73.590	20.423	QP
2		*	1.334	31.595	11.104	-33.530	65.125	20.491	QP

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

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

Site: AC1	Time: 2015/09/20 - 21:20
Limit: FCC_Part15.209_RE(1m)	Engineer: Lewis Huang
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz

Note: There is the ambient noise within frequency range 18GHz~25GHz.

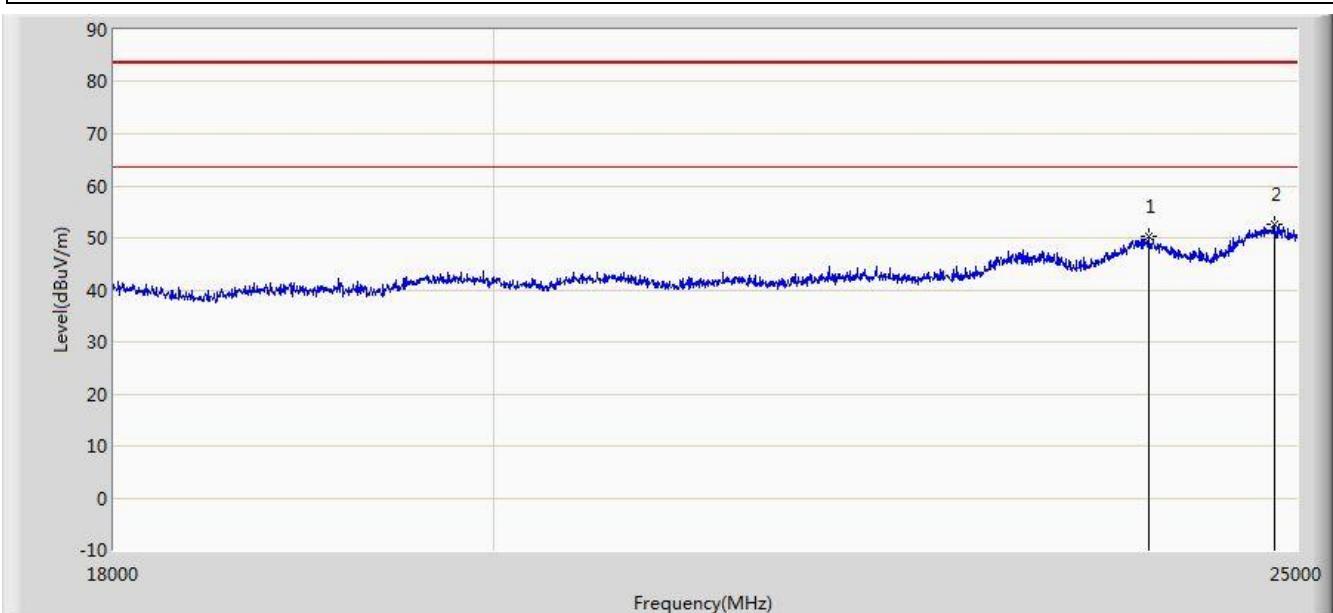


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23943.000	49.776	35.866	-33.724	83.500	13.910	PK
2		*	24741.000	52.375	37.681	-31.125	83.500	14.694	PK

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

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

Site: AC1	Time: 2015/09/20 - 21:32
Limit: FCC_Part15.209_RE(1m)	Engineer: Lewis Huang
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23999.000	50.379	36.435	-33.121	83.500	13.944	PK
2		*	24846.000	52.503	37.735	-30.997	83.500	14.768	PK

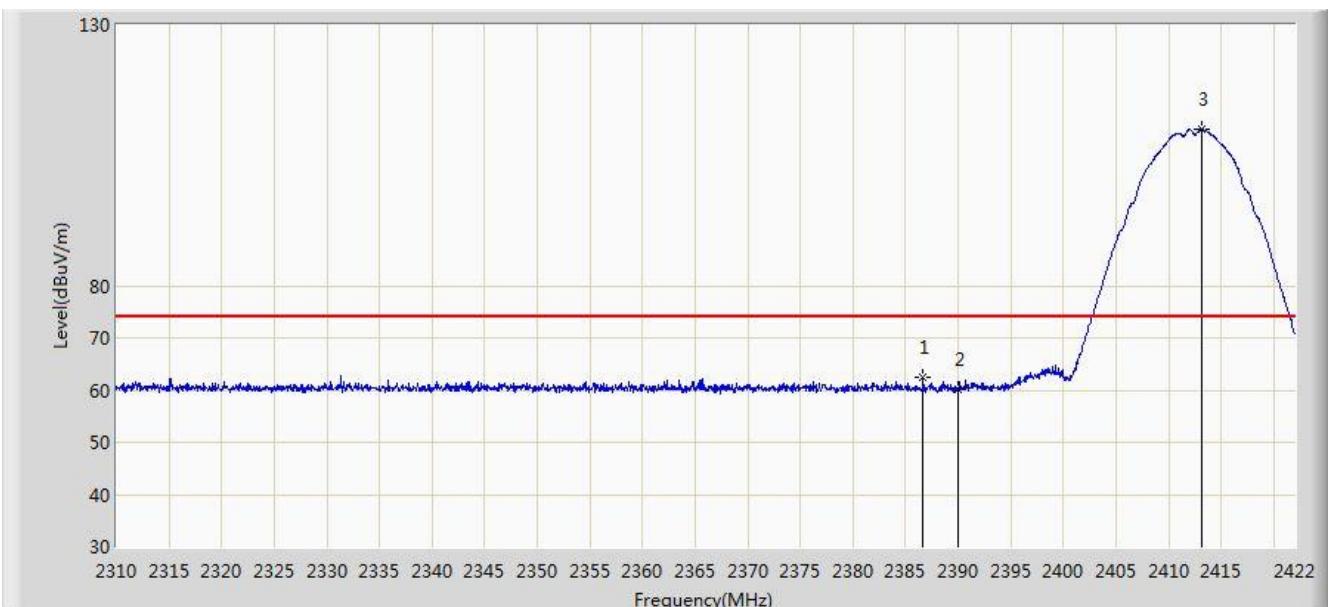
Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Site: AC 1	Time: 2015/09/12 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

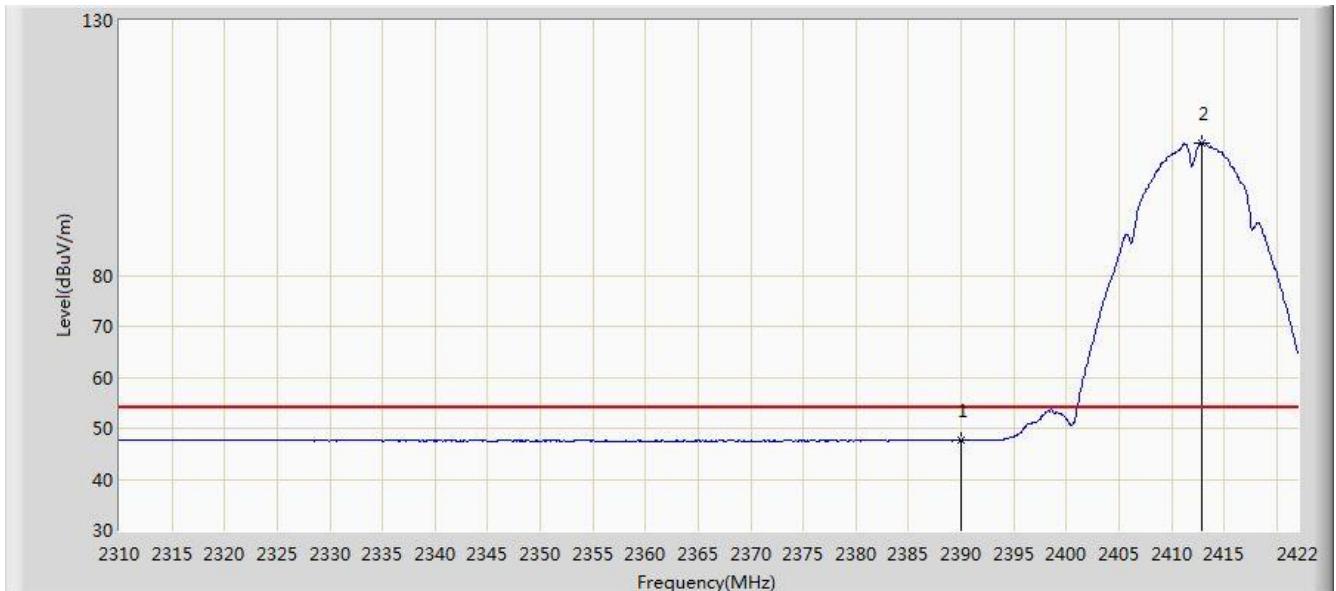


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.664	62.406	31.197	-11.594	74.000	31.208	PK
2			2390.000	60.203	29.000	-13.797	74.000	31.203	PK
3		*	2413.096	109.994	78.826	N/A	N/A	31.167	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

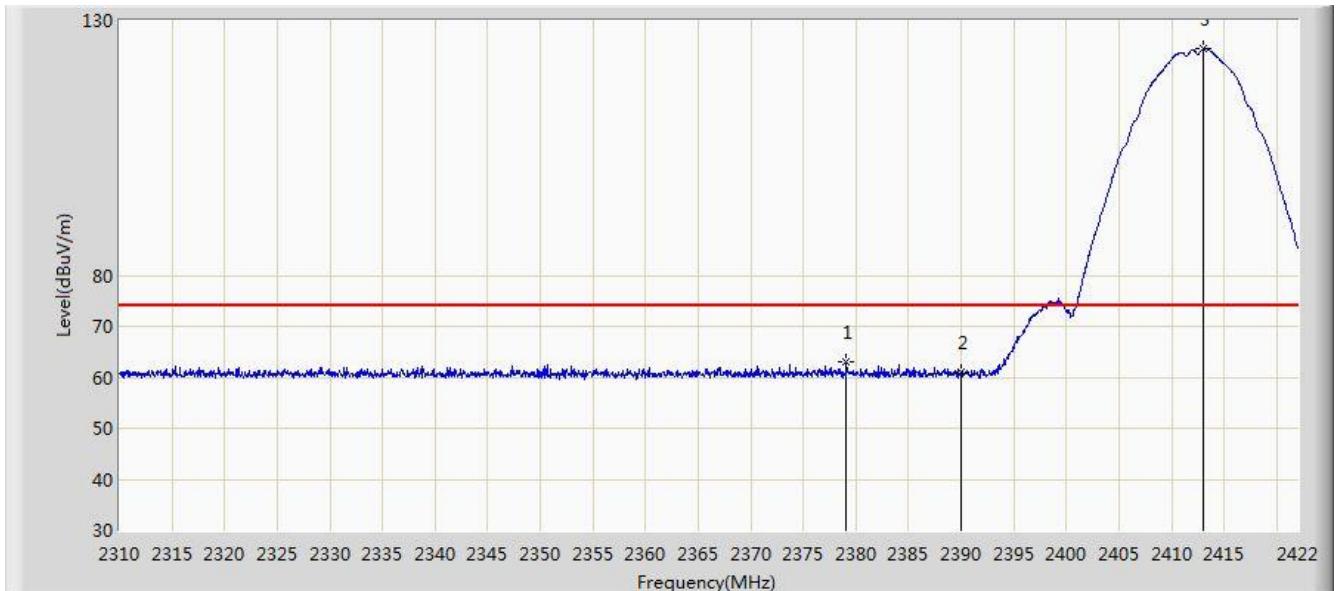


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.575	16.372	-6.425	54.000	31.203	AV
2		*	2412.928	105.935	74.767	N/A	N/A	31.168	AV

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

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

Site: AC 1	Time: 2015/09/12 - 11:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

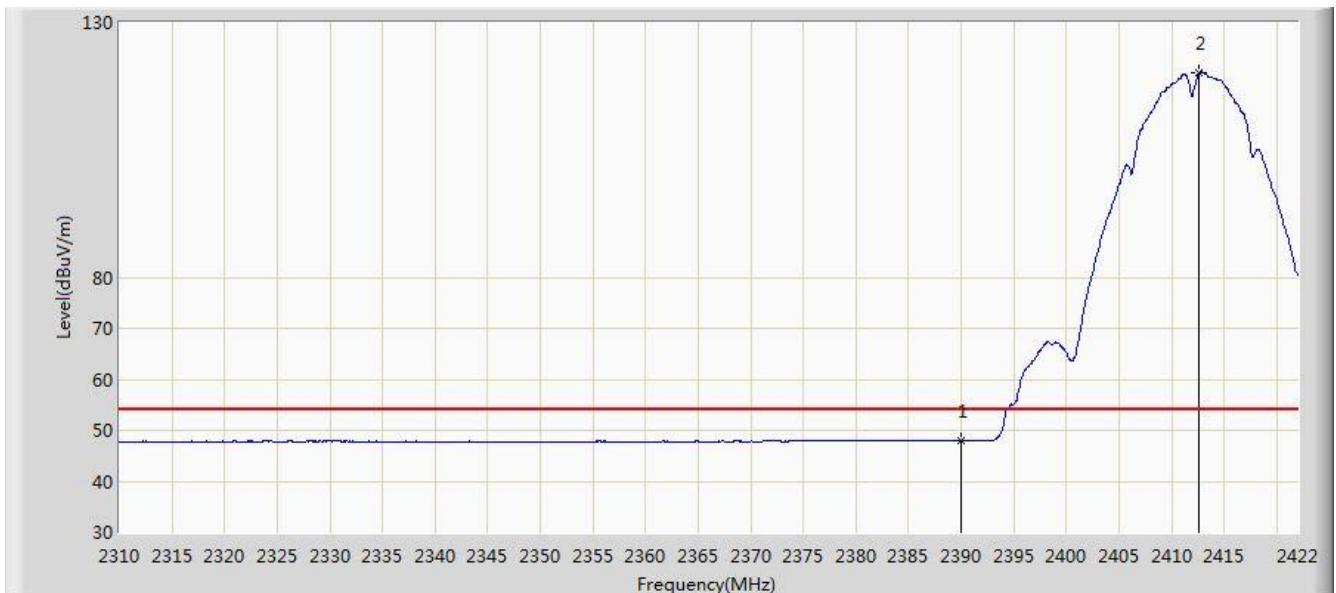


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.104	62.966	31.743	-11.034	74.000	31.223	PK
2			2390.000	60.948	29.745	-13.052	74.000	31.203	PK
3		*	2413.040	124.405	93.237	N/A	N/A	31.167	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

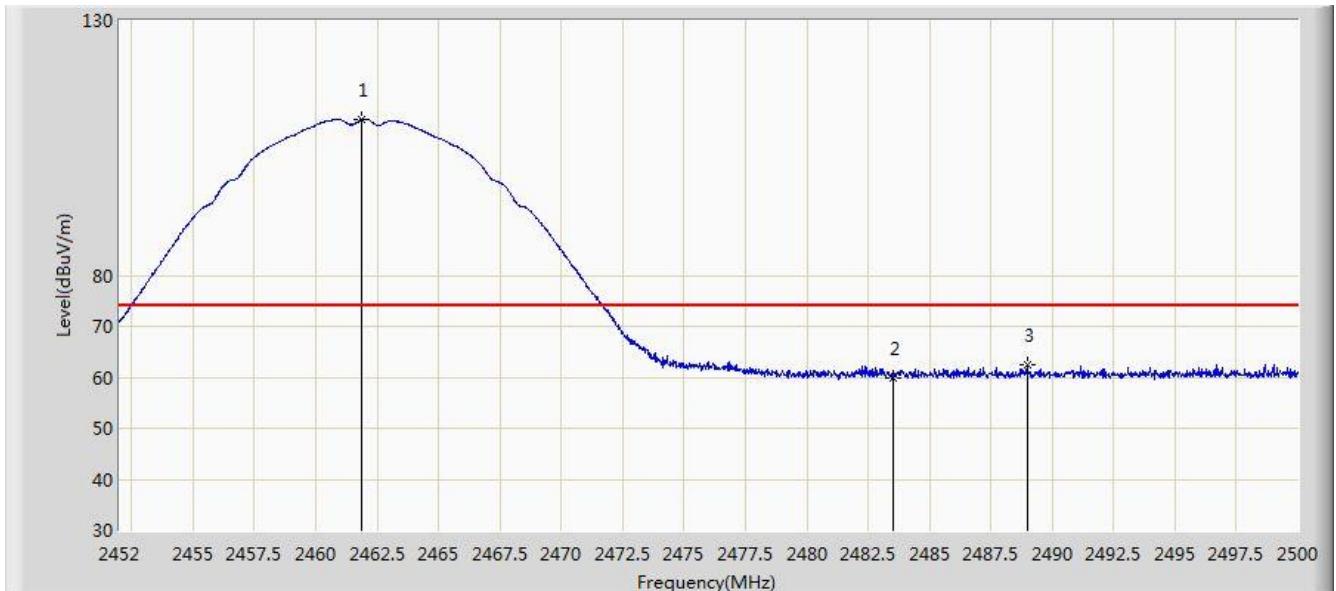


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.907	16.704	-6.093	54.000	31.203	AV
2		*	2412.648	120.223	89.055	N/A	N/A	31.168	AV

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

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

Site: AC 1	Time: 2015/09/12 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

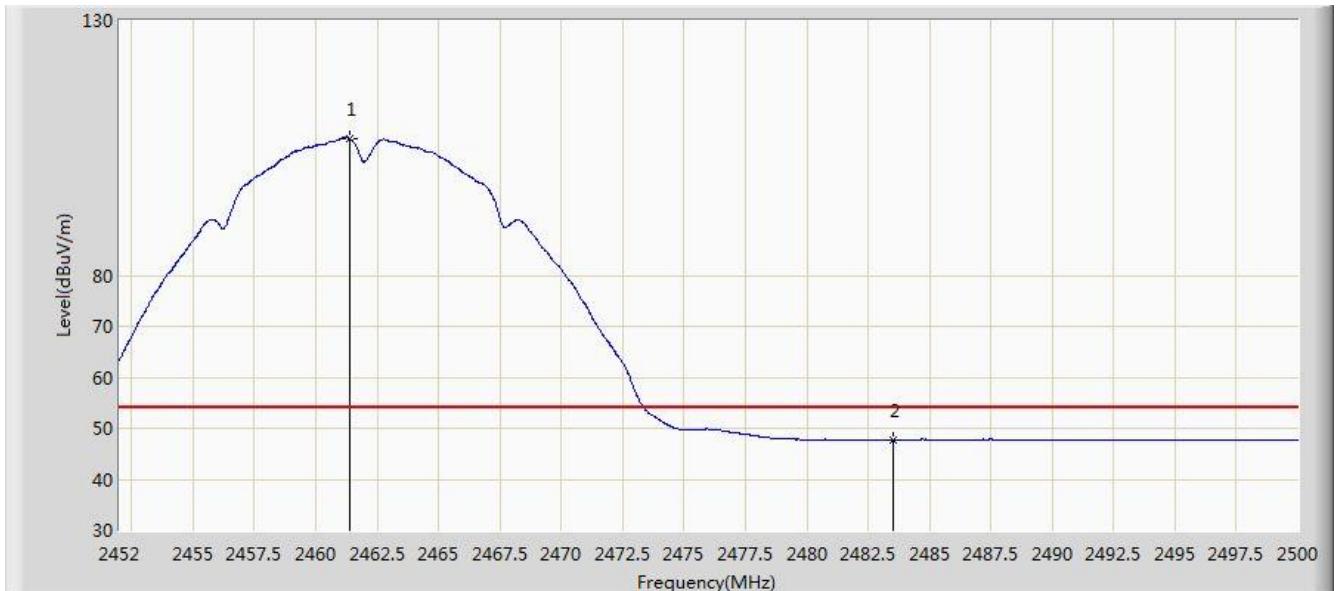


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.888	110.591	79.456	N/A	N/A	31.135	PK
2			2483.500	59.951	28.758	-14.049	74.000	31.194	PK
3			2488.984	62.537	31.329	-11.463	74.000	31.208	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

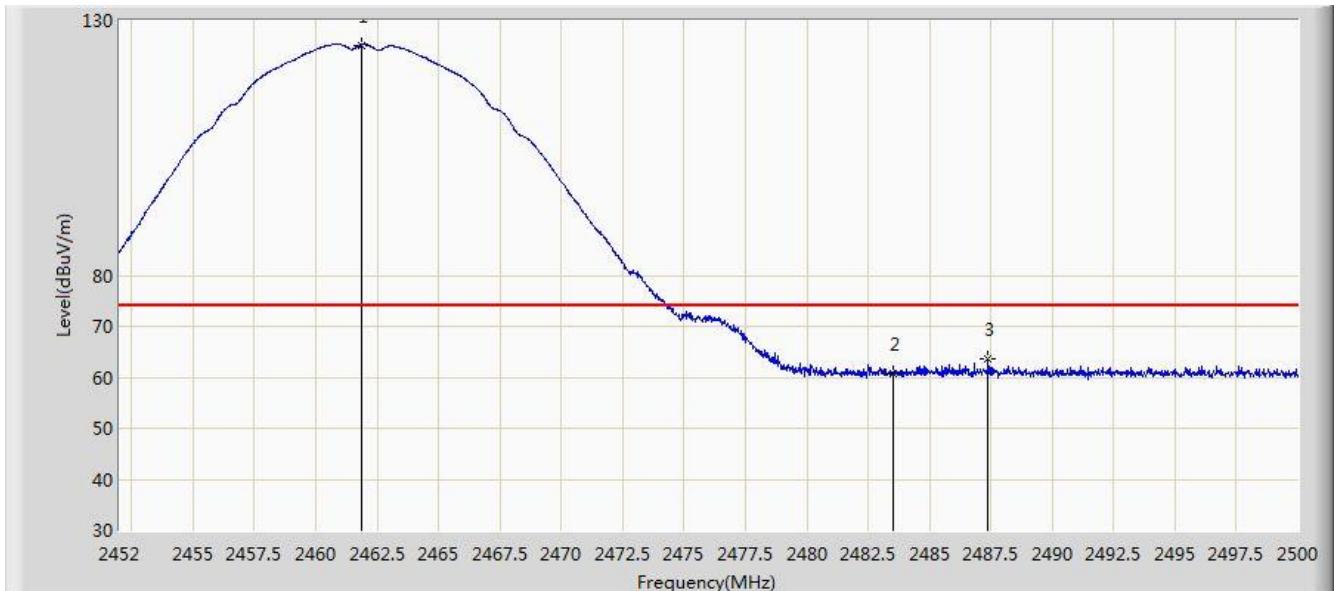


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	106.889	75.755	N/A	N/A	31.134	AV
2			2483.500	47.755	16.562	-6.245	54.000	31.194	AV

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

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

Site: AC 1	Time: 2015/09/12 - 11:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

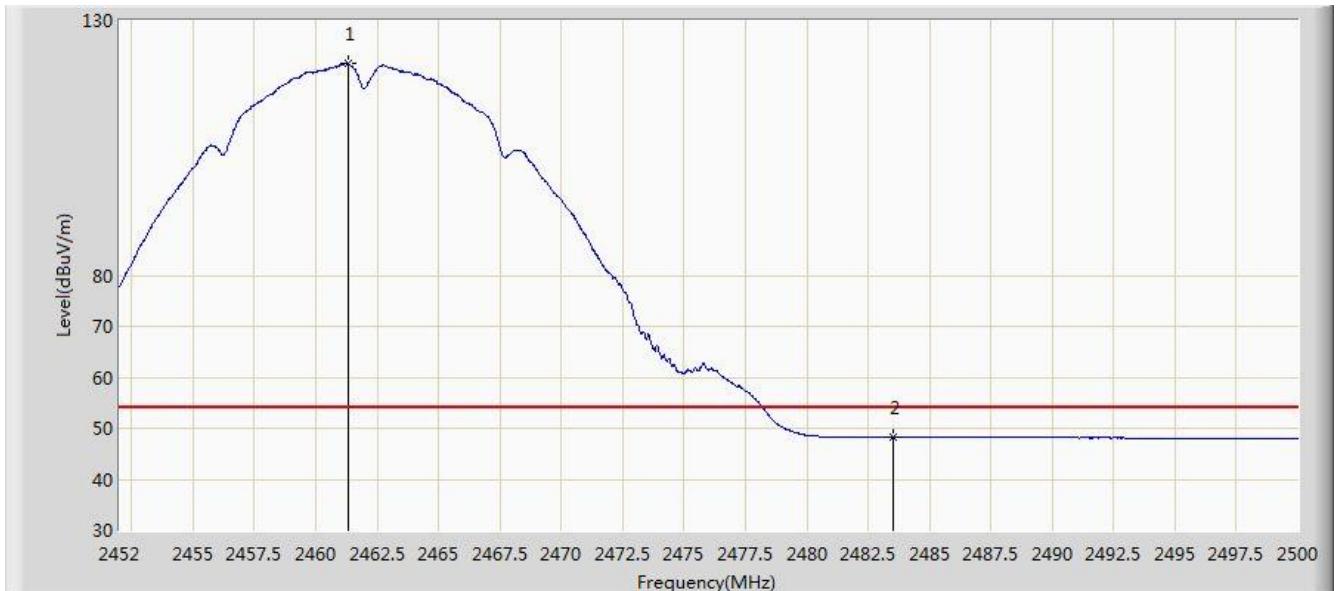


No	Flag	Mark	Frequency (MHz)	Measure Level (dBm)	Reading Level (dBm)	Over Limit (dB)	Limit (dBm)	Factor (dB)	Type
1		*	2461.840	125.206	94.071	N/A	N/A	31.135	PK
2			2483.500	60.663	29.470	-13.337	74.000	31.194	PK
3			2487.376	63.542	32.338	-10.458	74.000	31.204	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

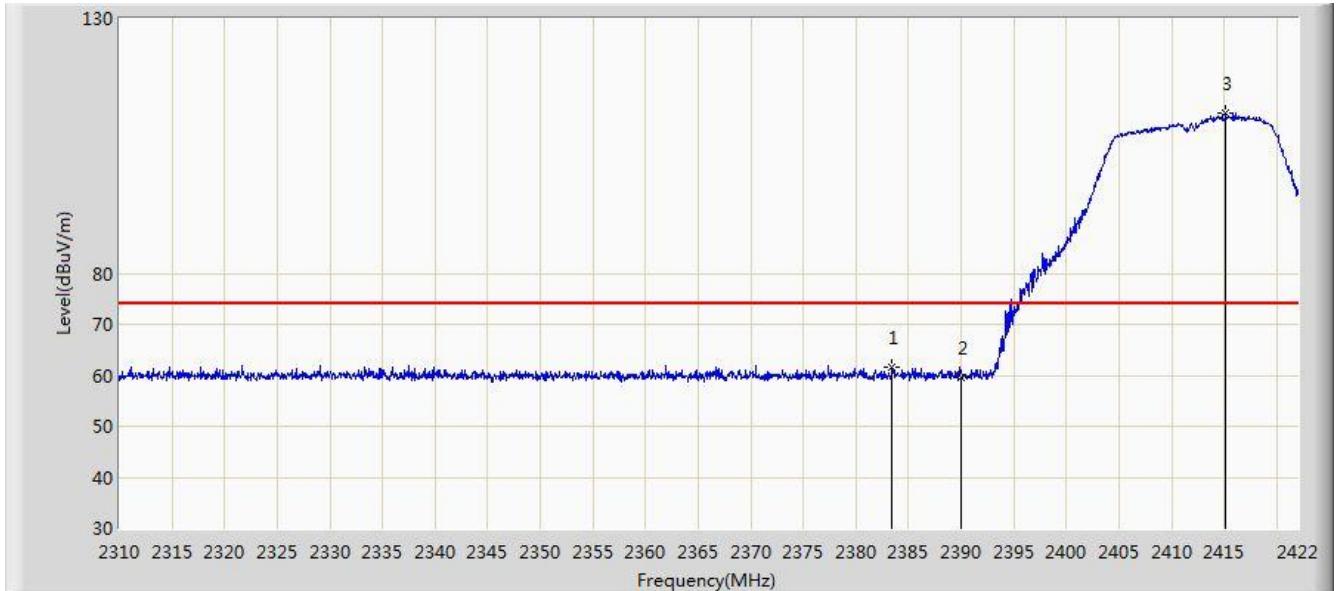


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	121.465	90.331	N/A	N/A	31.134	AV
2			2483.500	48.251	17.058	-5.749	54.000	31.194	AV

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

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

Site: AC 1	Time: 2015/09/12 - 11:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

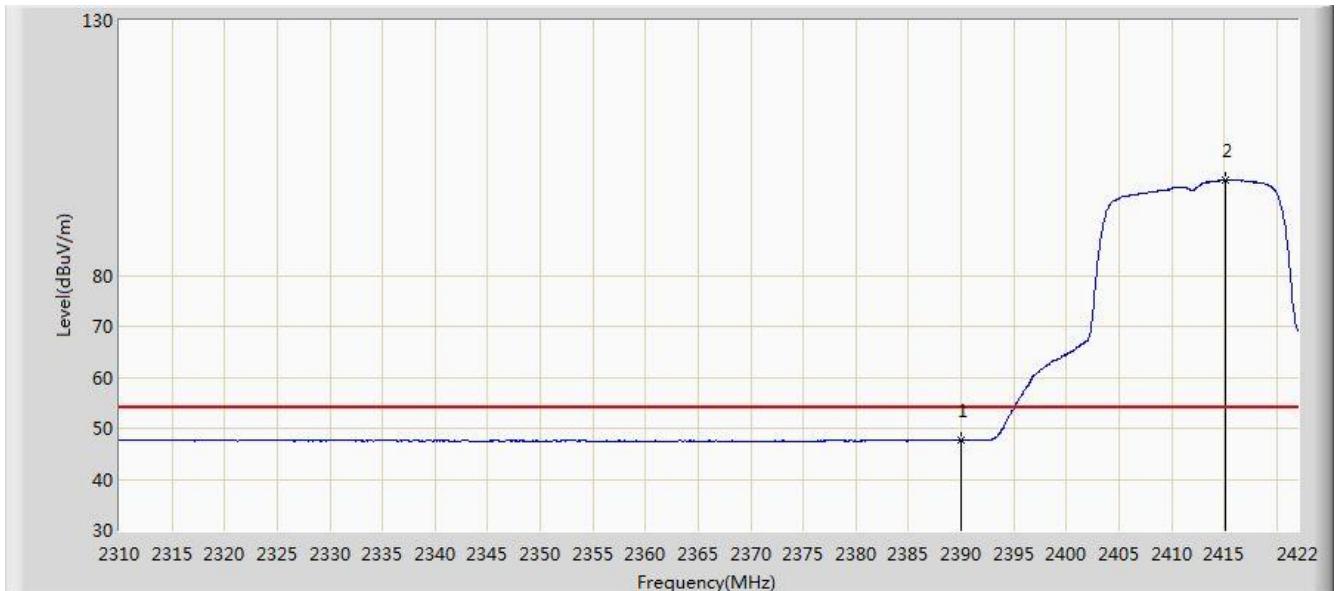


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.416	61.526	30.311	-12.474	74.000	31.215	PK
2			2390.000	59.430	28.227	-14.570	74.000	31.203	PK
3	*		2415.168	111.565	80.401	N/A	N/A	31.164	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

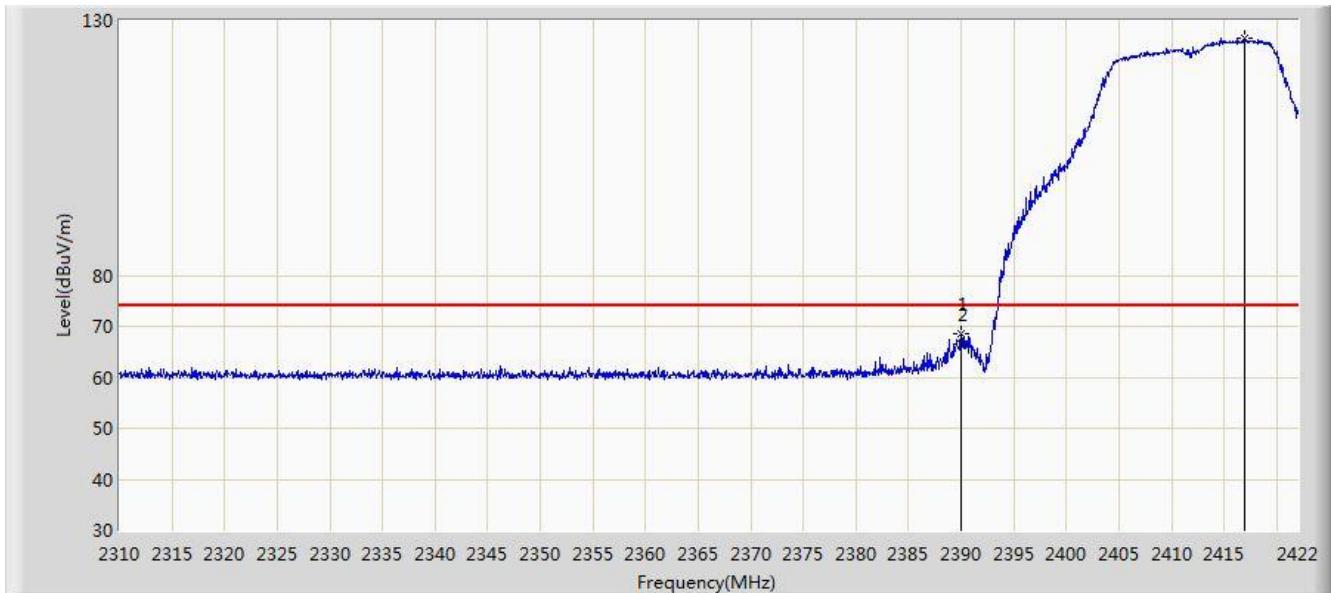


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.648	16.445	-6.352	54.000	31.203	AV
2	*		2415.168	98.647	67.483	N/A	N/A	31.164	AV

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

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

Site: AC 1	Time: 2015/09/12 - 11:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

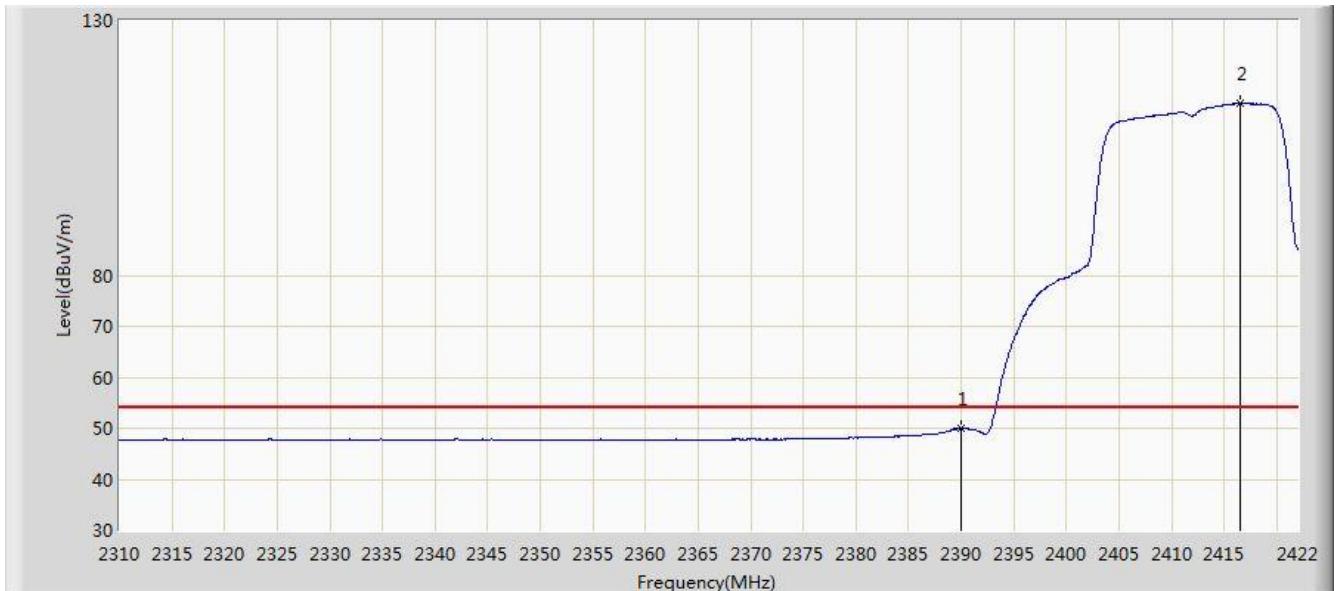


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.968	68.564	37.361	-5.436	74.000	31.203	PK
2			2390.000	66.386	35.183	-7.614	74.000	31.203	PK
3		*	2416.960	126.594	95.433	N/A	N/A	31.161	PK

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

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

Site: AC 1	Time: 2015/09/12 - 11:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

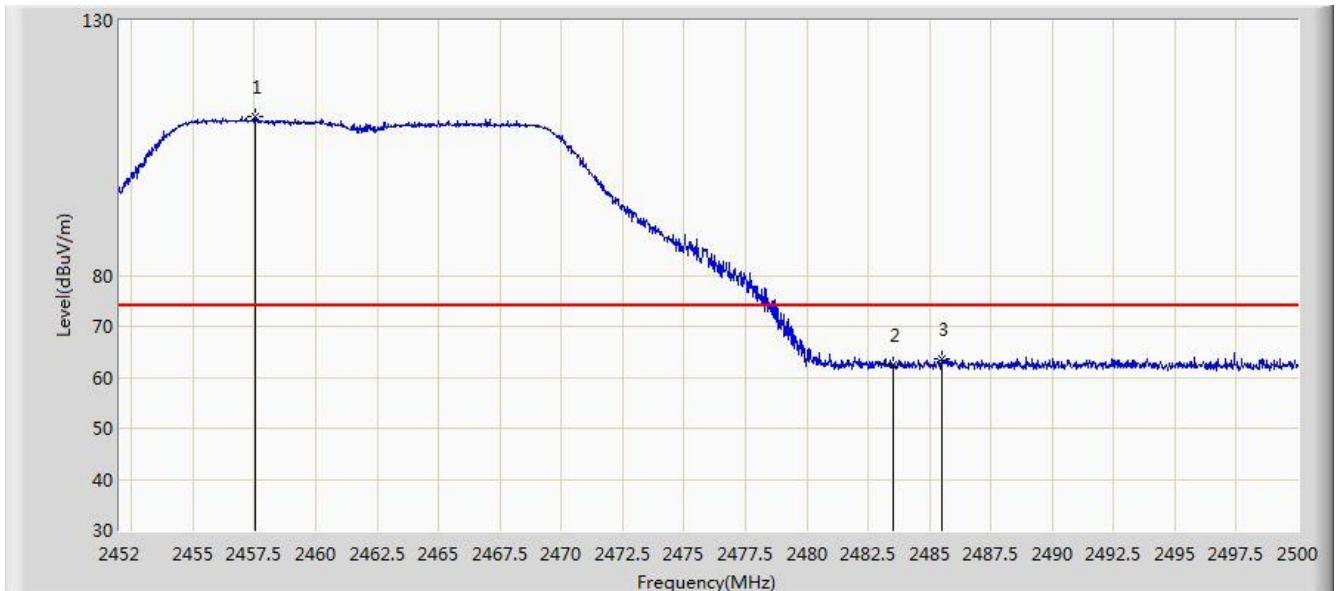


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.906	18.703	-4.094	54.000	31.203	AV
2	*		2416.568	113.692	82.530	N/A	N/A	31.162	AV

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

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

Site: AC 1	Time: 2015/09/12 - 12:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

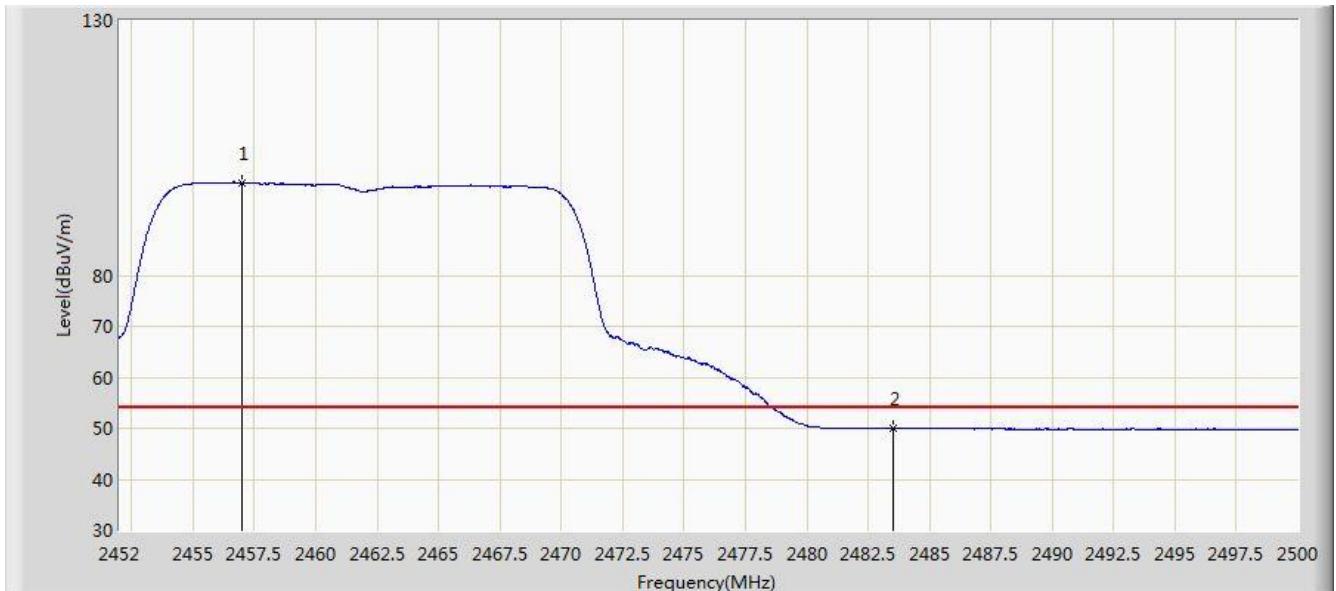


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.520	111.266	80.139	N/A	N/A	31.127	PK
2			2483.500	62.546	31.353	-11.454	74.000	31.194	PK
3			2485.480	63.599	32.400	-10.401	74.000	31.198	PK

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

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

Site: AC 1	Time: 2015/09/12 - 12:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Z500 dual band 802.11ac Outdoor AP	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.968	98.177	67.051	N/A	N/A	31.127	AV
2			2483.500	49.950	18.757	-4.050	54.000	31.194	AV

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

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