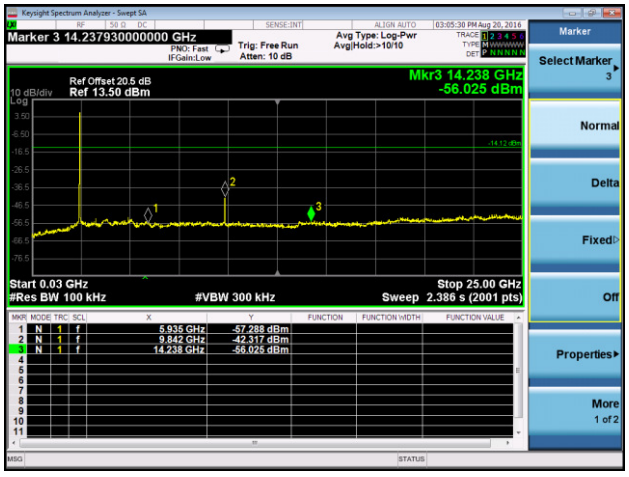
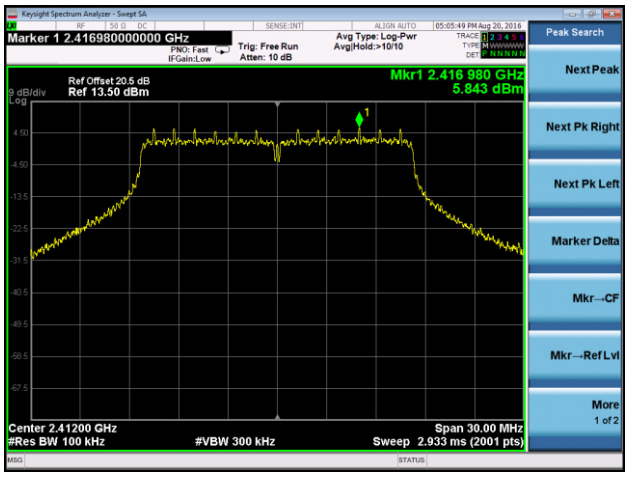
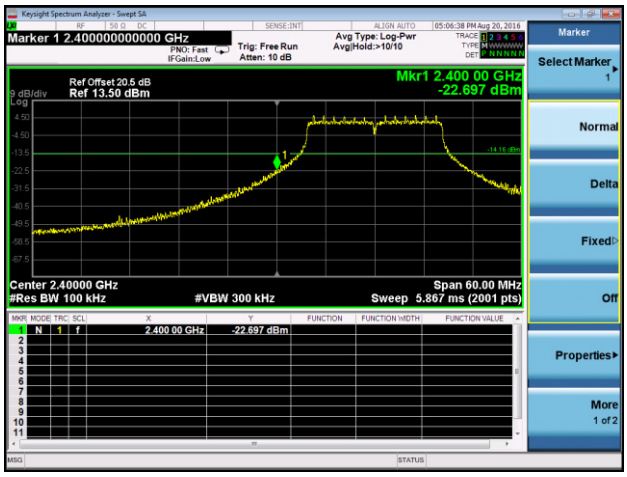
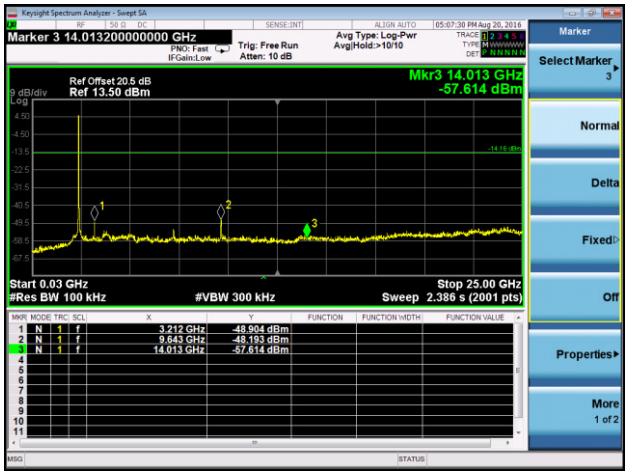
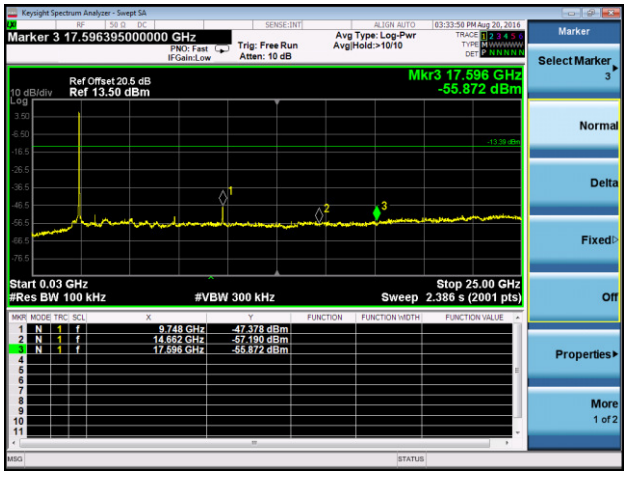
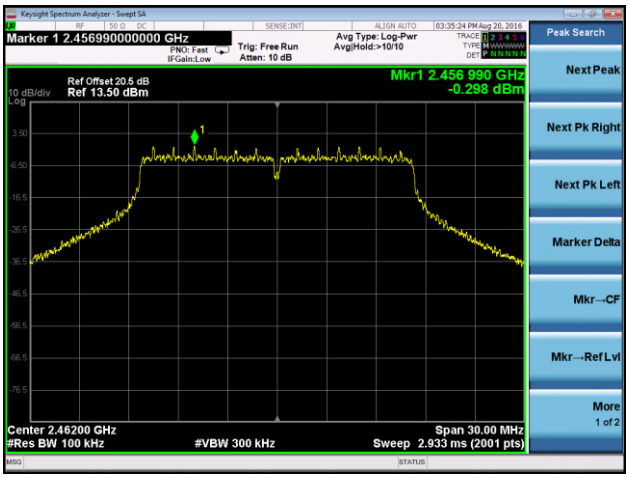
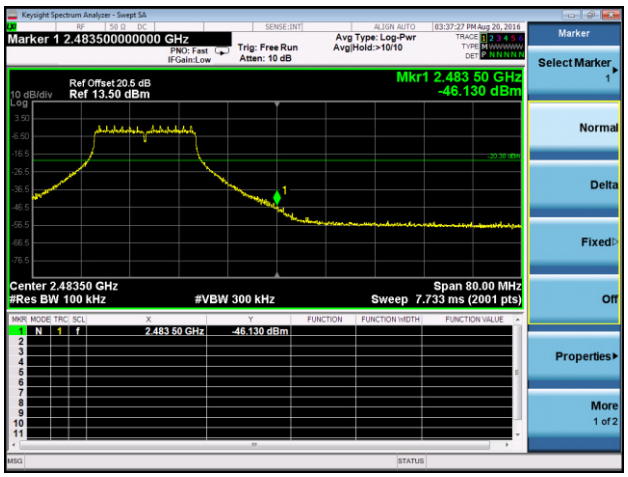
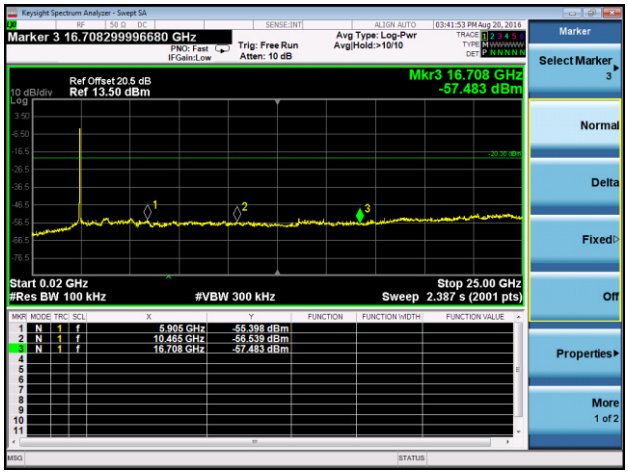
Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

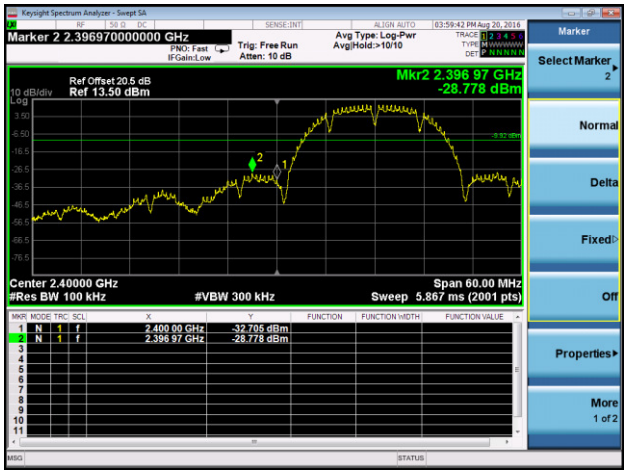
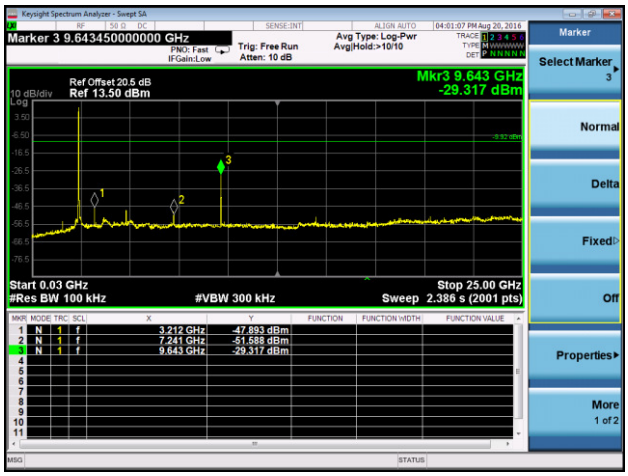
802.11g Out-of-Band Emissions - Ant 0	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	**Low Band Edge**
	

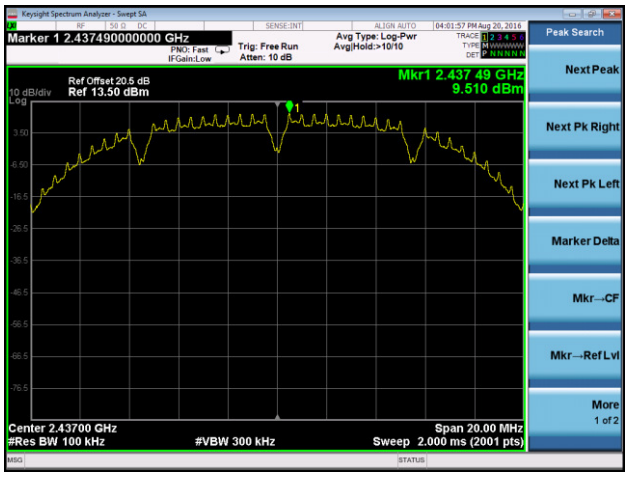
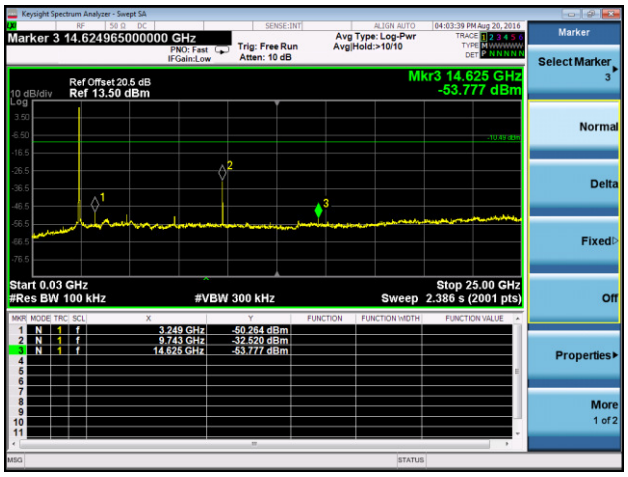
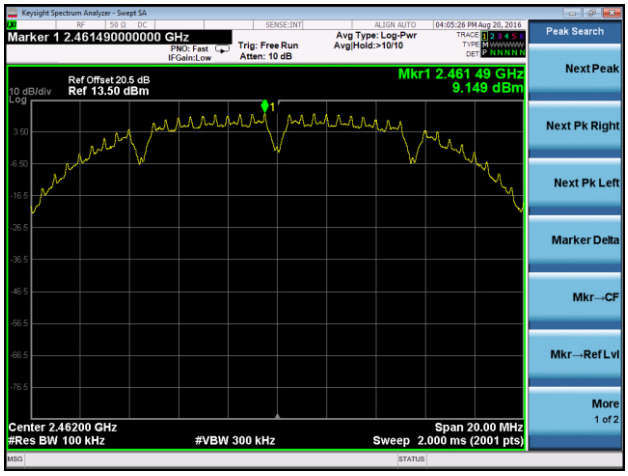
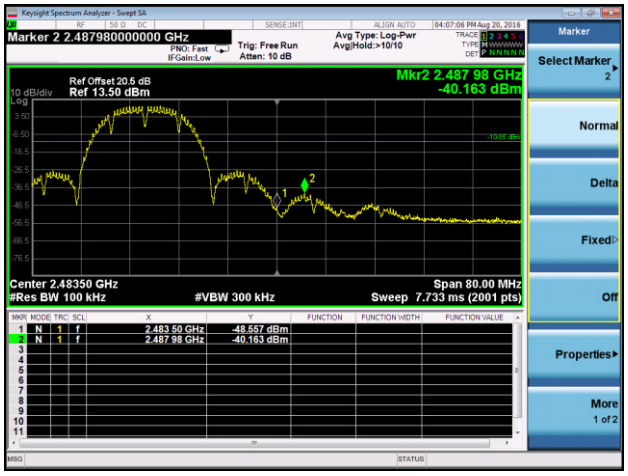
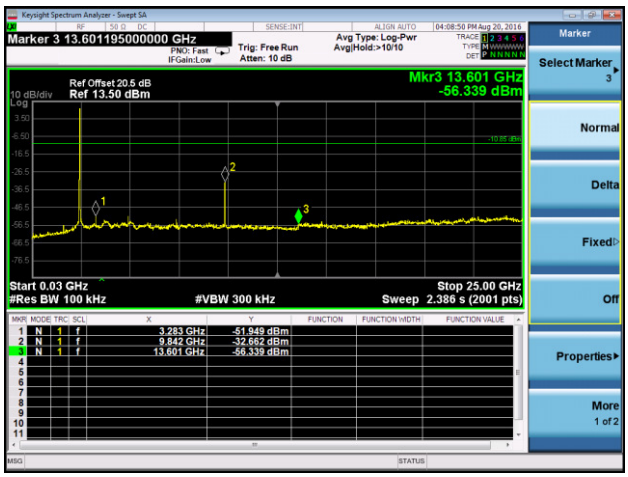
Spurious Emission	
	

Channel 06 (2437MHz)	
100kHz PSD Reference Level	**Spurious Emission**
	

Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	

Spurious Emission	
	

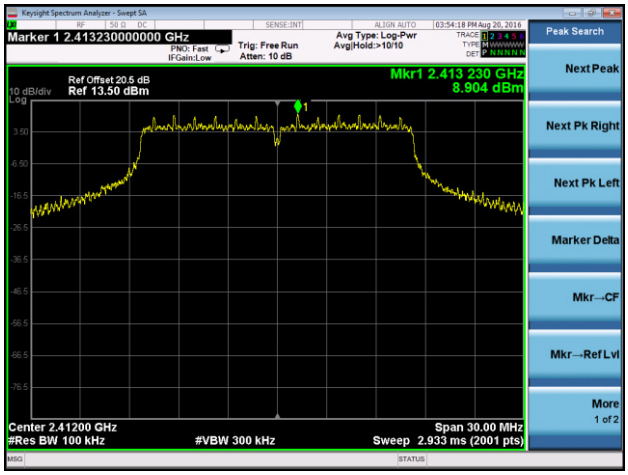
802.11b Out-of-Band Emissions - Ant 1	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	

Channel 06 (2437MHz)	
100kHz PSD Reference Level	**Spurious Emission**
	
Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

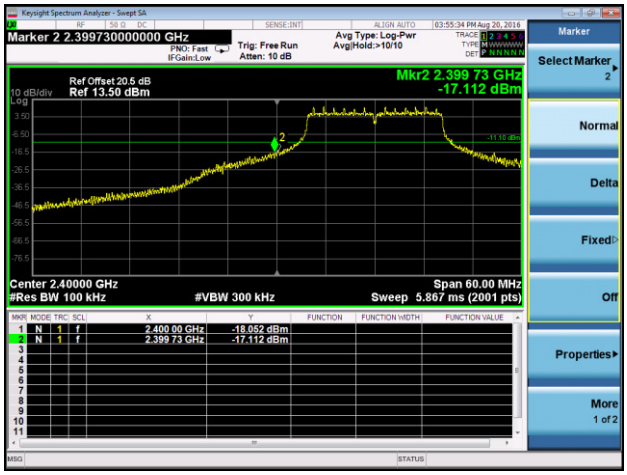
802.11g Out-of-Band Emissions - Ant 1

Channel 01 (2412MHz)

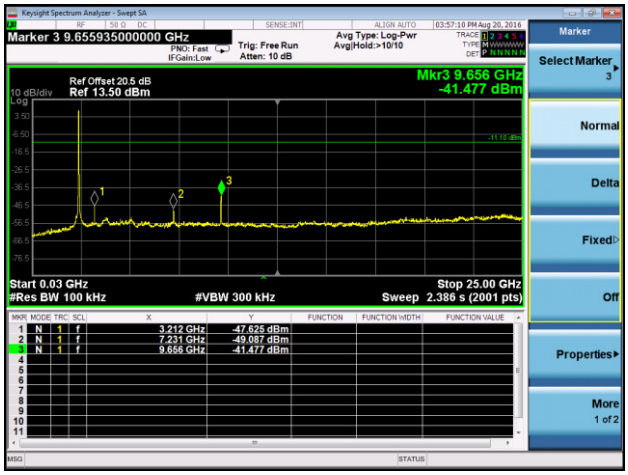
100kHz PSD Reference Level



Low Band Edge

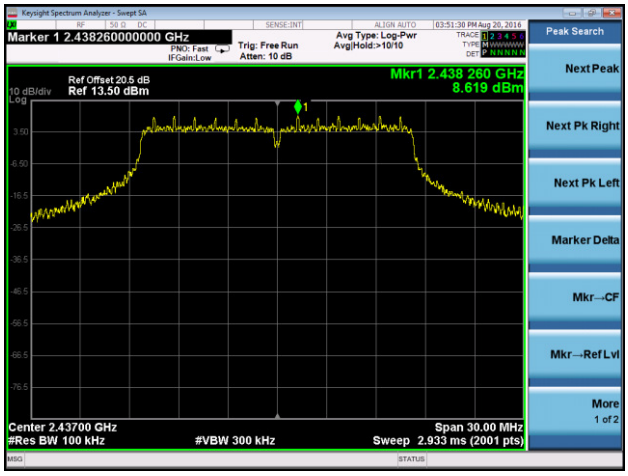


Spurious Emission

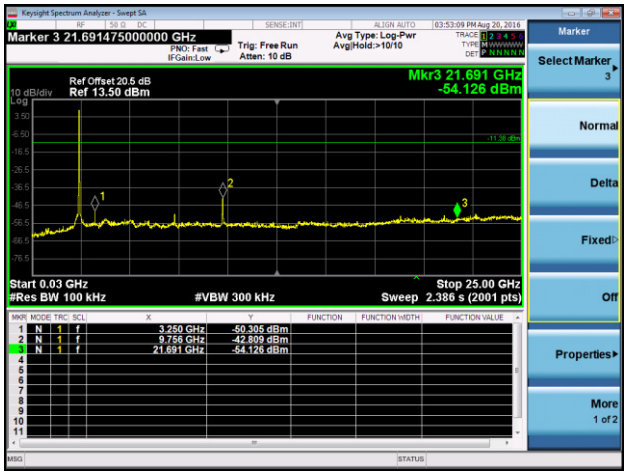


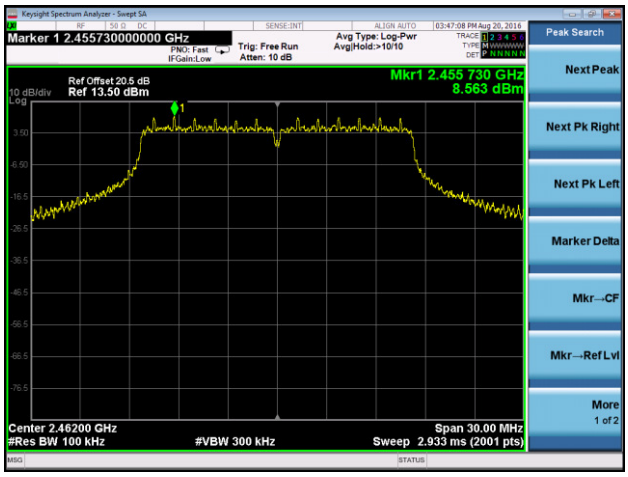
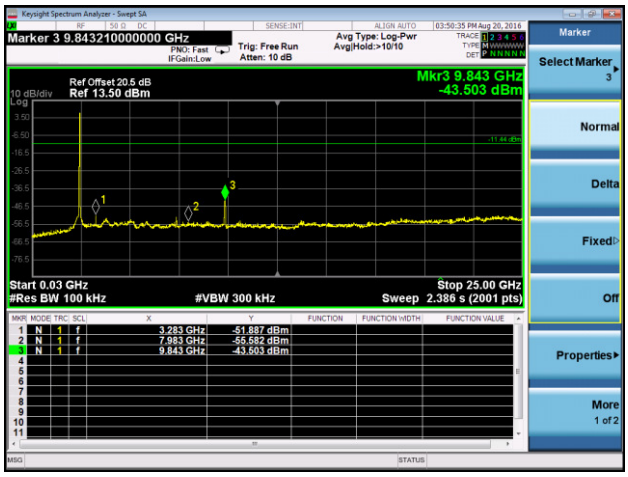
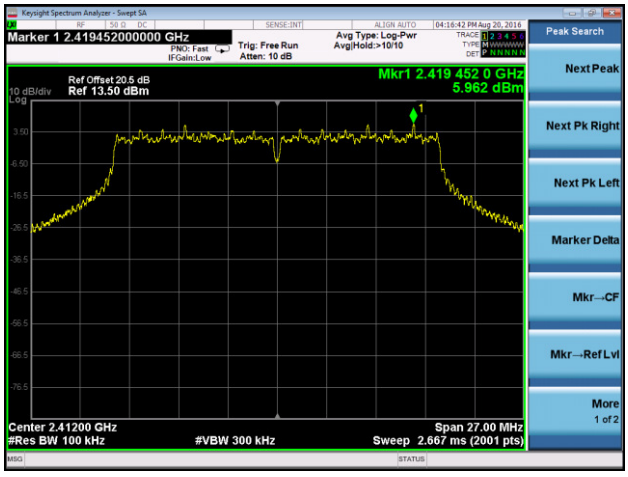
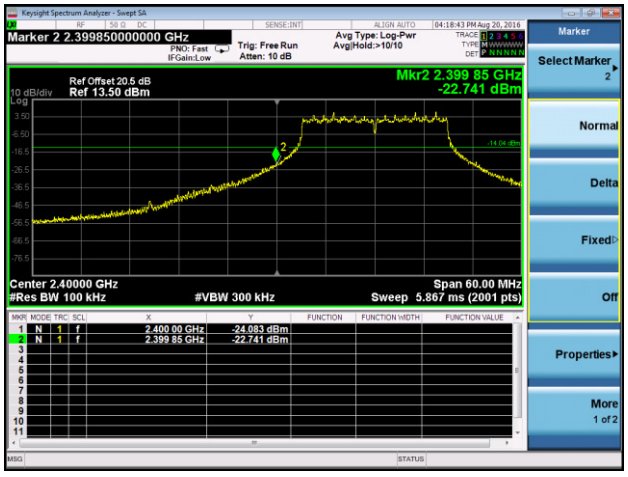
Channel 06 (2437MHz)

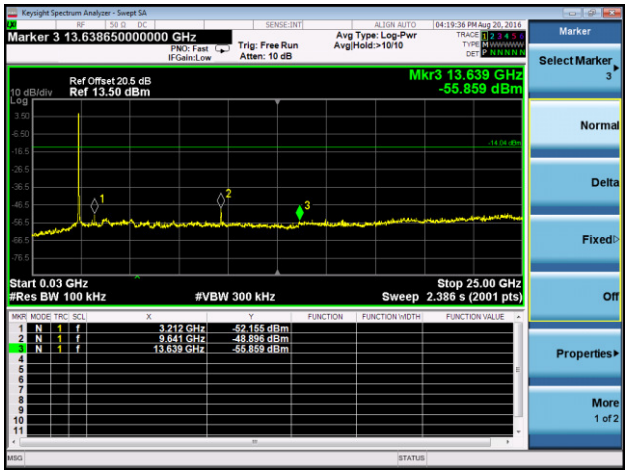
100kHz PSD Reference Level

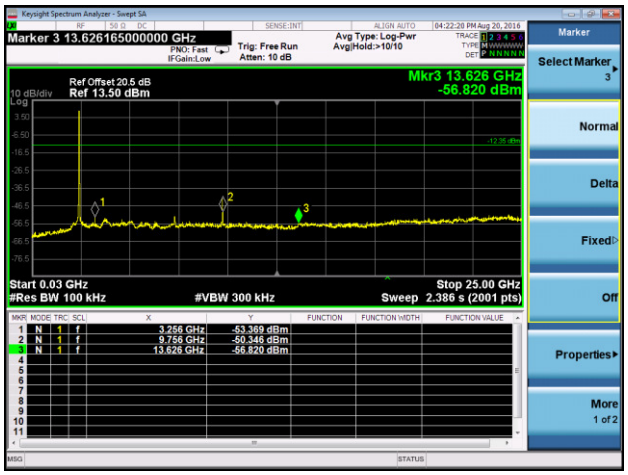


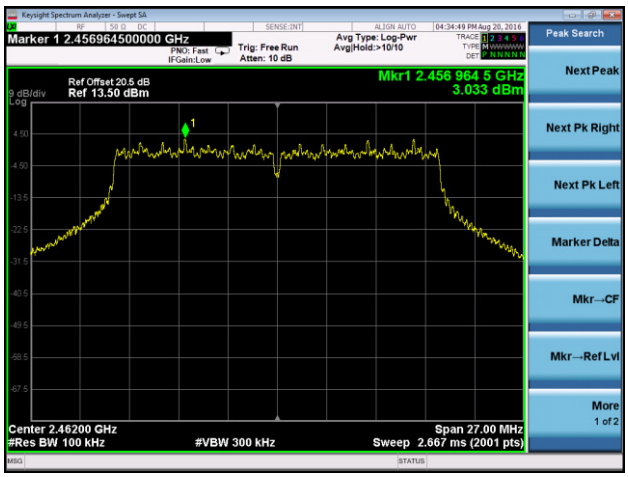
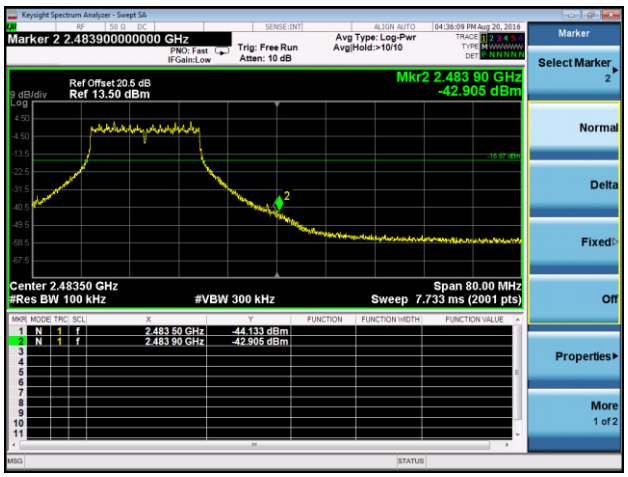
Spurious Emission

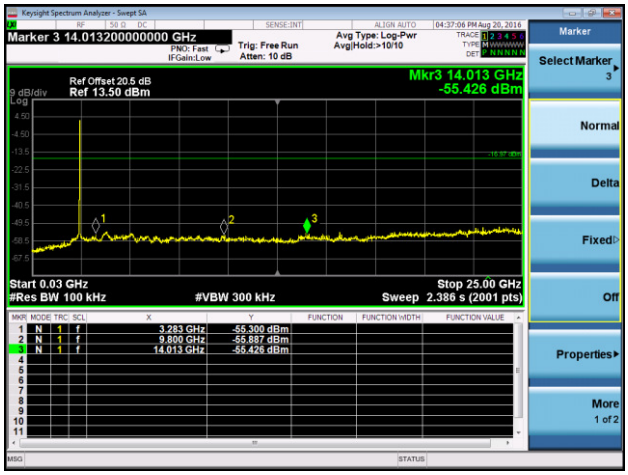


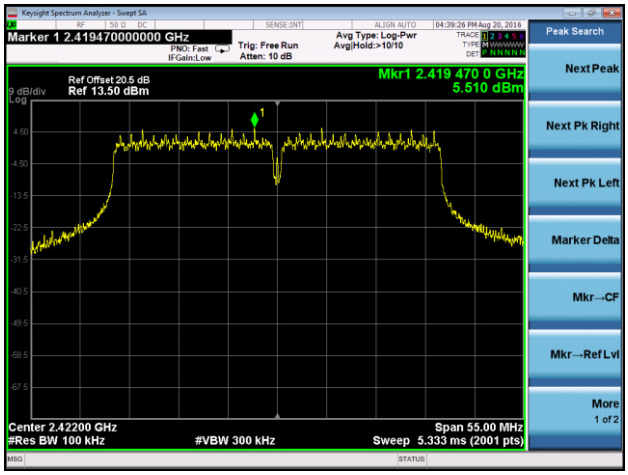
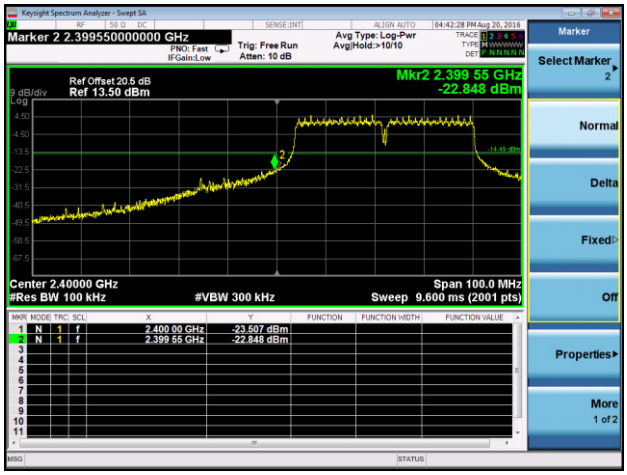
Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	
100kHz PSD Reference Level	**Low Band Edge**
	

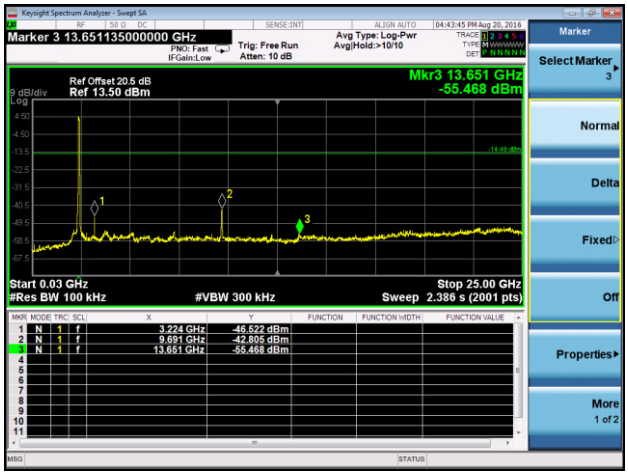
Spurious Emission	
	

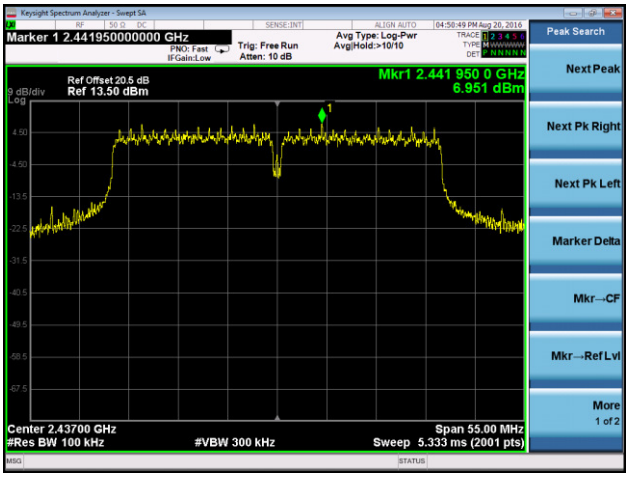
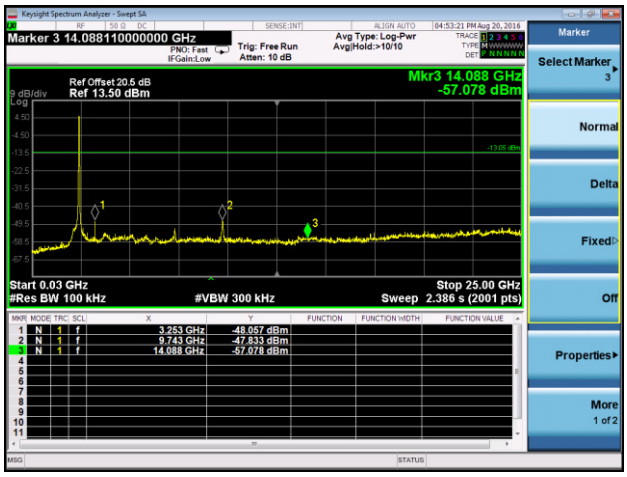
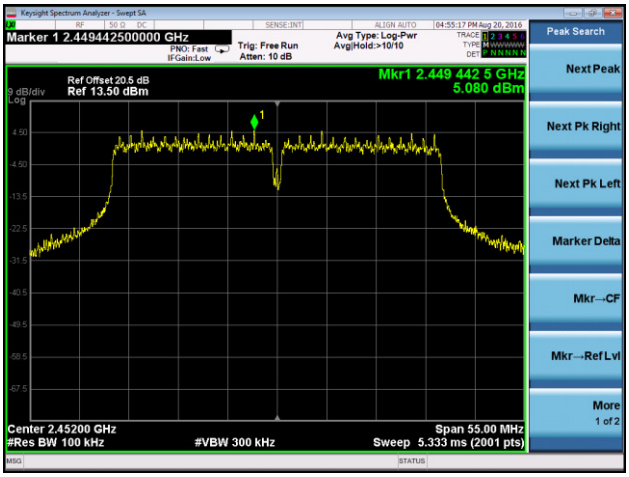
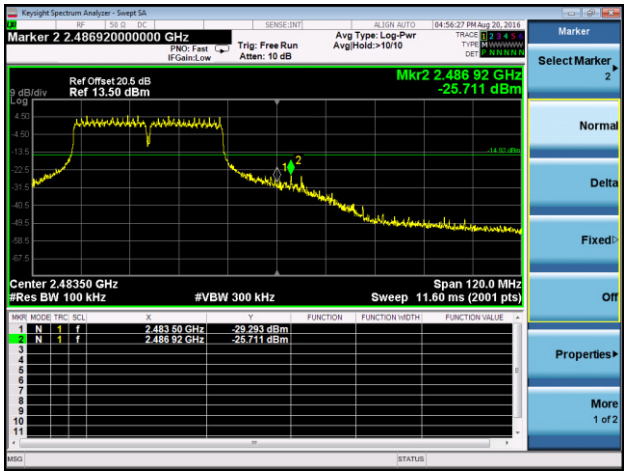
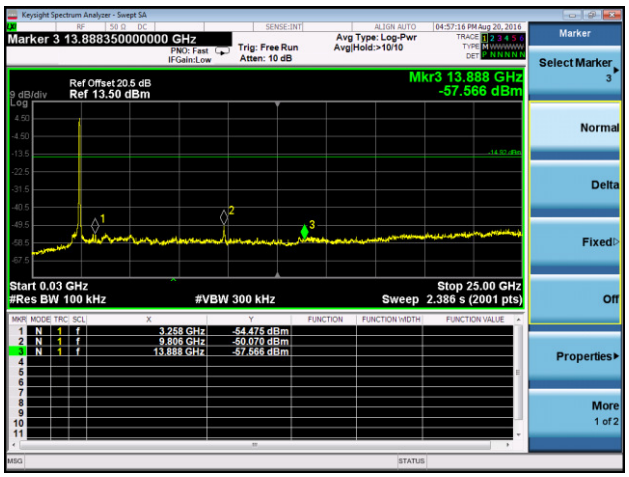
Channel 06 (2437MHz)	
100kHz PSD Reference Level	**Spurious Emission**
	

Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	

Spurious Emission	
	

802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	
100kHz PSD Reference Level	Low Band Edge
	

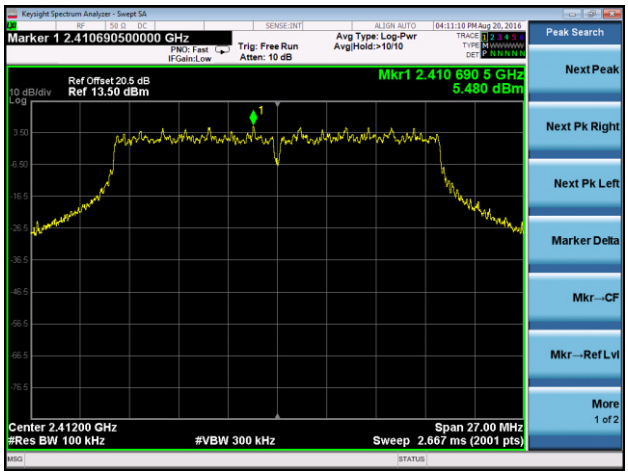
Spurious Emission	
	

Channel 06 (2437MHz)	
100kHz PSD Reference Level	**Spurious Emission**
	
Channel 09 (2452MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

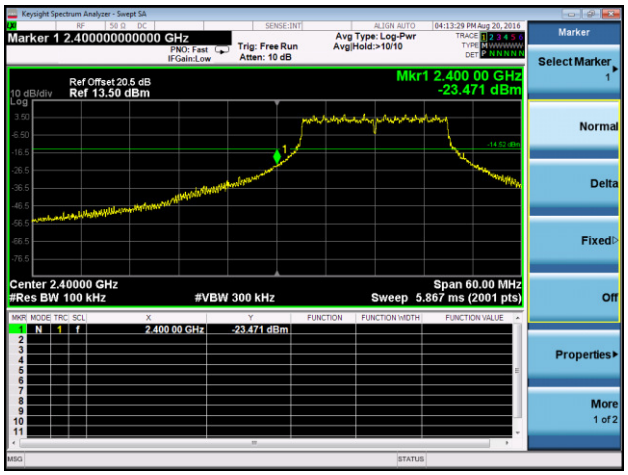
802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

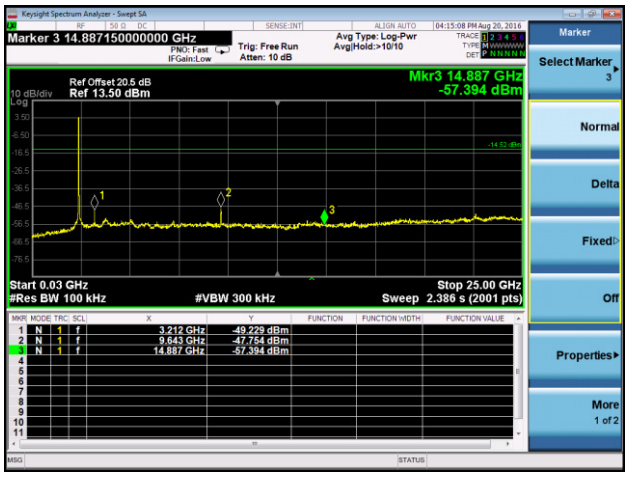
100kHz PSD Reference Level



Low Band Edge



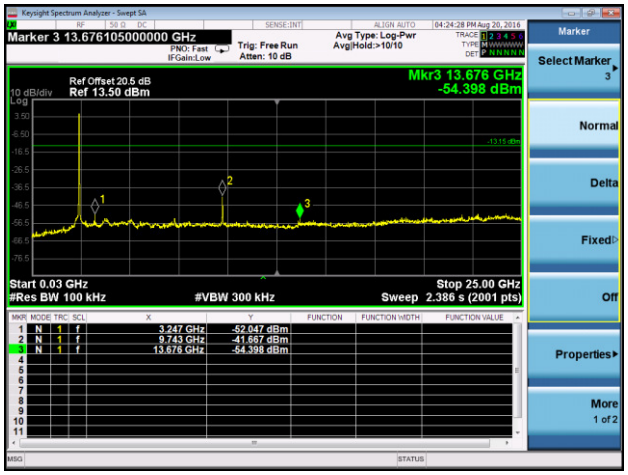
Spurious Emission

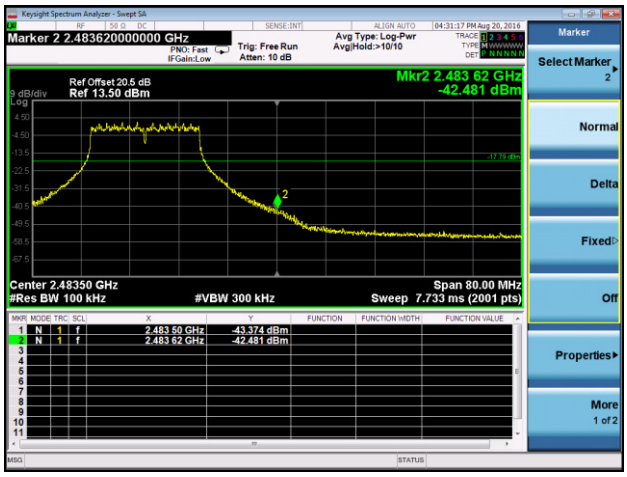
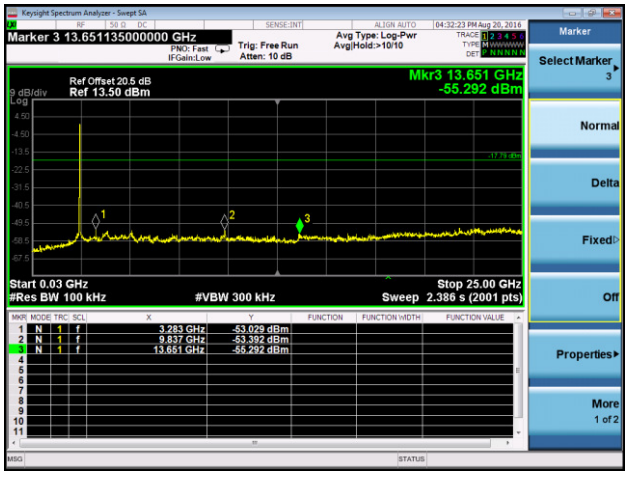


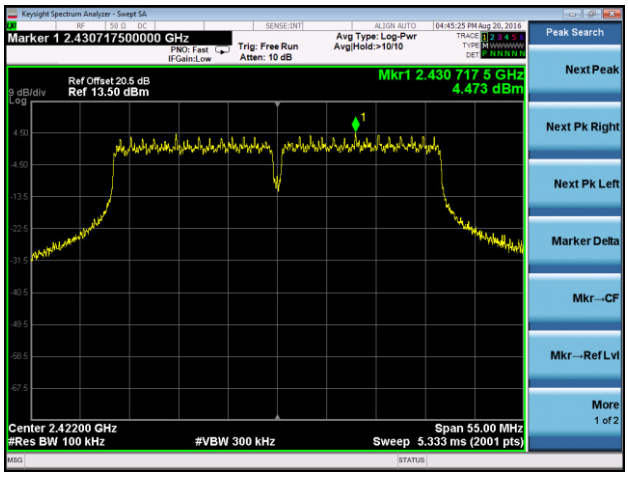
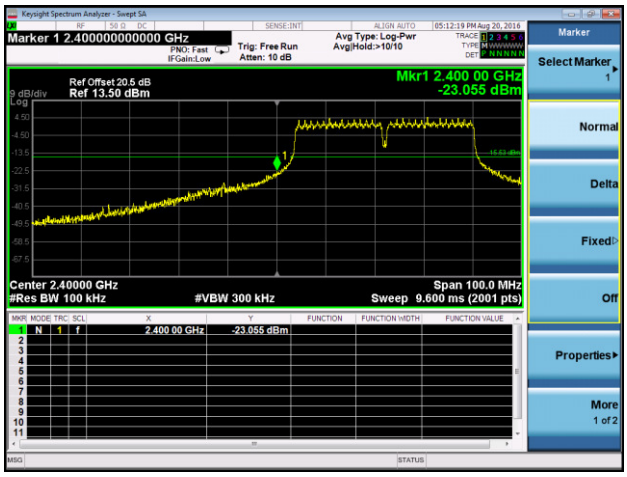
Channel 06 (2437MHz)

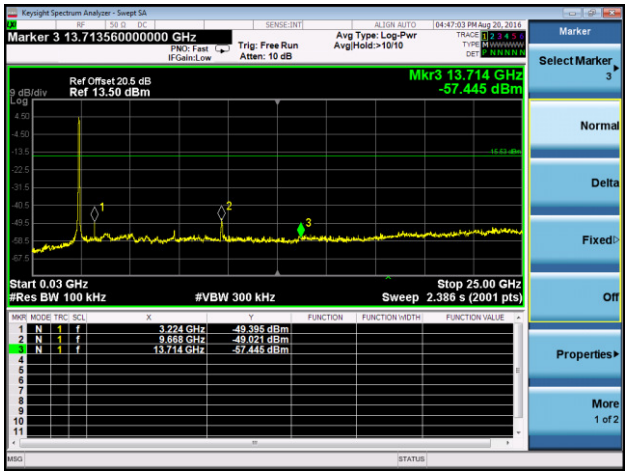
100kHz PSD Reference Level

Spurious Emission

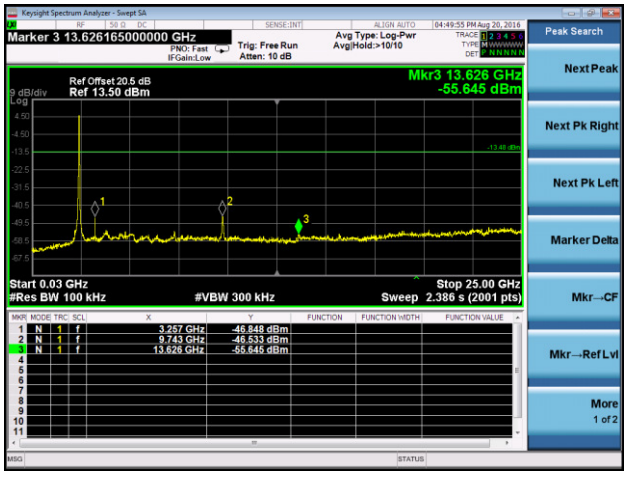


Channel 11 (2462MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

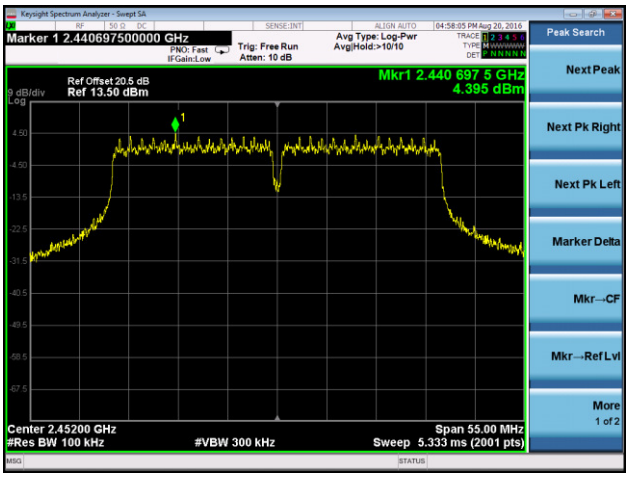
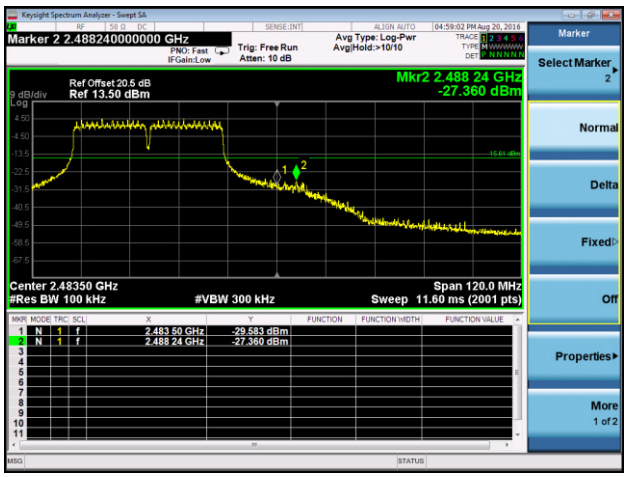
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1	
Channel 03 (2422MHz)	
100kHz PSD Reference Level	**Low Band Edge**
	

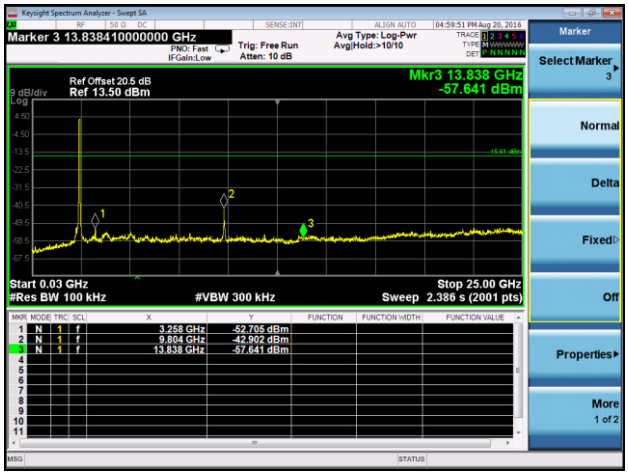
Spurious Emission	
	

Channel 06 (2437MHz)

100kHz PSD Reference Level	Spurious Emission
	

Channel 09 (2452MHz)

100kHz PSD Reference Level	High Band Edge
	

Spurious Emission	
	

7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/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 D01v03r05 – Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r05 – Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r05 – Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r05

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

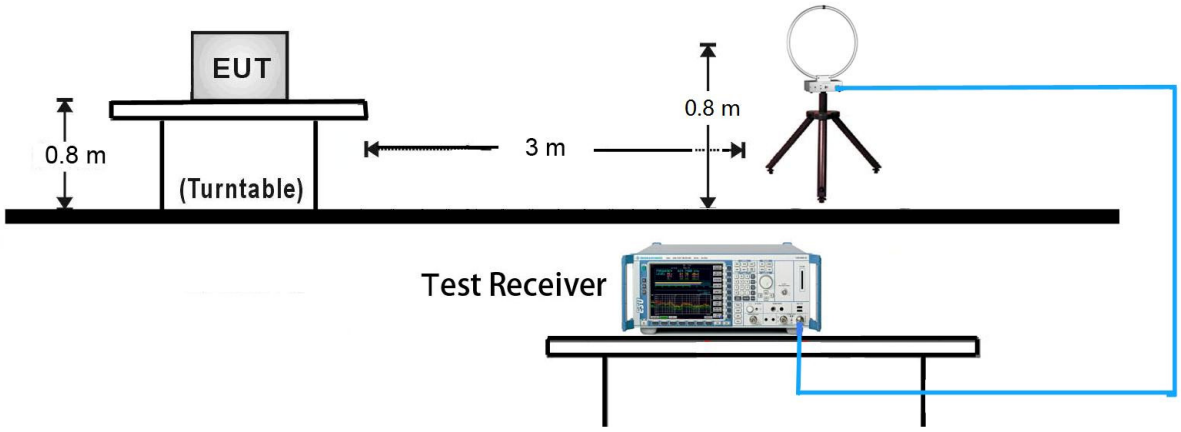
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r05

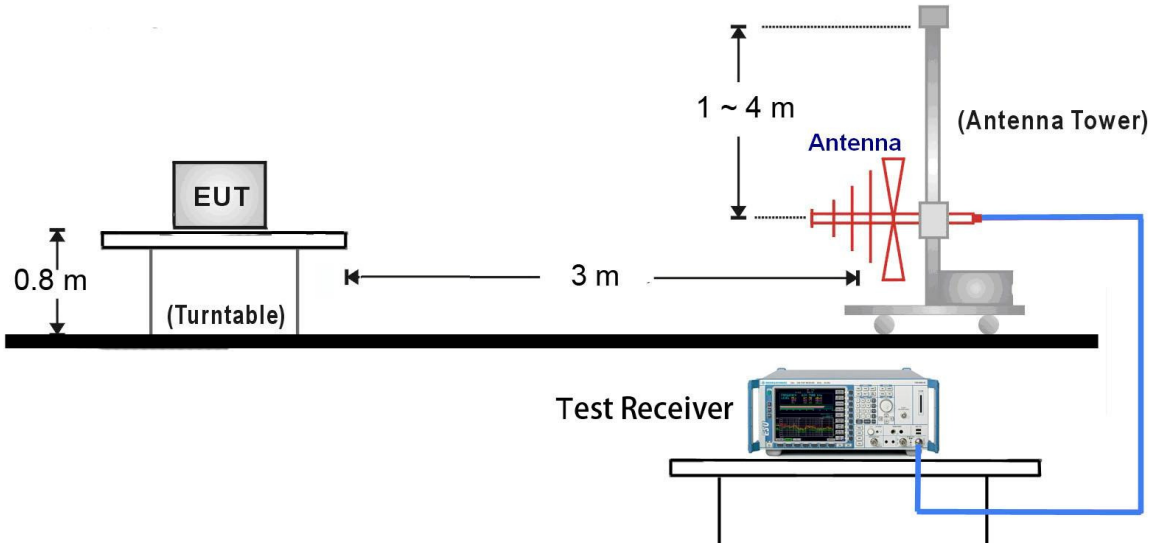
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

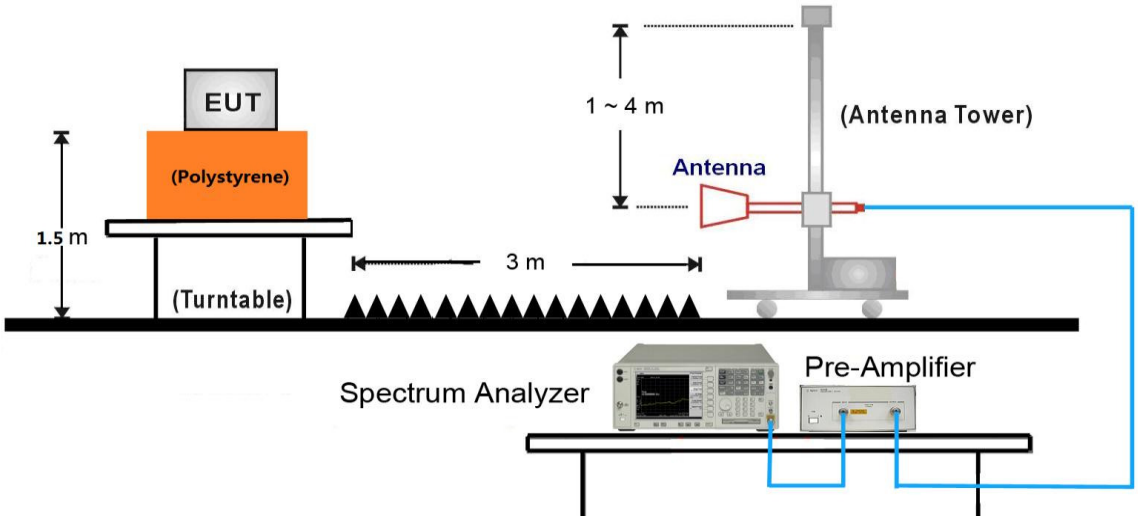
9kHz ~ 30MHz Test Setup:



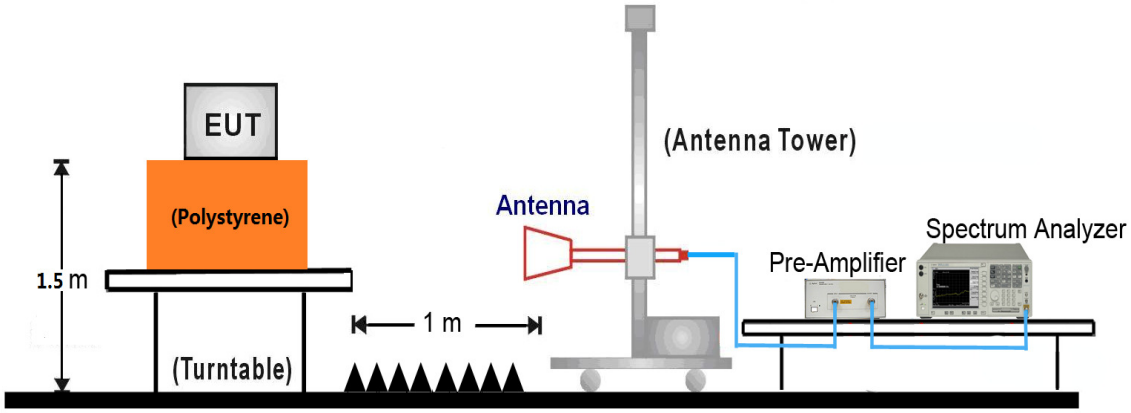
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

For Dipole Antenna

Test Mode:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	3873.0	38.6	-0.6	38.0	74.0	-36.0	Peak	Horizontal
	4825.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
*	7239.0	35.4	10.6	46.0	90.2	-44.2	Peak	Horizontal
*	9644.5	43.6	12.7	56.3	90.2	-33.9	Peak	Horizontal
	4000.5	38.7	-0.4	38.3	74.0	-35.7	Peak	Vertical
	4825.0	47.3	2.7	50.0	74.0	-24.0	Peak	Vertical
*	7230.5	42.7	10.7	53.4	90.2	-36.8	Peak	Vertical
*	9644.5	52.3	12.7	65.0	90.2	-25.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.2dBμV/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:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	3873.0	39.3	-0.6	38.7	74.0	-35.3	Peak	Horizontal
	4876.0	38.6	2.6	41.2	74.0	-32.8	Peak	Horizontal
*	7332.5	34.5	10.7	45.2	93.5	-48.3	Peak	Horizontal
*	9746.5	38.3	12.7	51.0	93.5	-42.5	Peak	Horizontal
	4876.0	44.1	2.6	46.7	74.0	-27.3	Peak	Vertical
	7307.0	37.7	10.7	48.4	74.0	-25.6	Peak	Vertical
*	8658.5	35.1	11.1	46.2	93.5	-47.3	Peak	Vertical
*	9746.5	43.0	12.7	55.7	93.5	-37.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.5dBμV/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:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4808.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
	7349.5	35.8	10.7	46.5	74.0	-27.5	Peak	Horizontal
*	8718.0	35.1	11.4	46.5	85.8	-39.3	Peak	Horizontal
*	9848.5	37.5	13.3	50.8	85.8	-35.0	Peak	Horizontal
	4927.0	44.6	2.6	47.2	74.0	-26.8	Peak	Vertical
	7392.0	37.6	10.7	48.3	74.0	-25.7	Peak	Vertical
*	8871.0	34.6	11.5	46.1	85.8	-39.7	Peak	Vertical
*	9848.5	41.3	13.3	54.6	85.8	-31.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.8dBμV/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 - Ant 0	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4961.0	37.4	2.7	40.1	74.0	-33.9	Peak	Horizontal
	7375.0	34.1	10.8	44.9	74.0	-29.1	Peak	Horizontal
*	8667.0	35.1	11.3	46.4	91.5	-45.1	Peak	Horizontal
*	9644.5	38.5	12.7	51.2	91.5	-40.3	Peak	Horizontal
	3992.0	38.3	-0.5	37.8	74.0	-36.2	Peak	Vertical
	4816.5	41.9	2.6	44.5	74.0	-29.5	Peak	Vertical
*	7239.0	40.6	10.6	51.2	91.5	-40.3	Peak	Vertical
*	9636.0	46.5	12.9	59.4	91.5	-32.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.5dBμV/m).

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4808.0	37.7	2.7	40.4	74.0	-33.6	Peak	Horizontal
	7358.0	34.7	10.5	45.2	74.0	-28.8	Peak	Horizontal
*	8667.0	34.2	11.3	45.5	94.2	-48.7	Peak	Horizontal
*	9746.5	37.2	12.7	49.9	94.2	-44.3	Peak	Horizontal
	4884.5	39.5	2.7	42.2	74.0	-31.8	Peak	Vertical
	7307.0	40.4	10.7	51.1	74.0	-22.9	Peak	Vertical
*	8956.0	34.7	11.6	46.3	94.2	-47.9	Peak	Vertical
*	9738.0	41.6	12.5	54.1	94.2	-40.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.2dBμV/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 - Ant 0	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4944.0	37.5	2.7	40.2	74.0	-33.8	Peak	Horizontal
	7264.5	35.5	10.7	46.2	74.0	-27.8	Peak	Horizontal
*	8930.5	34.7	11.7	46.4	87.1	-40.7	Peak	Horizontal
*	9857.0	35.0	13.0	48.0	87.1	-39.1	Peak	Horizontal
	4927.0	41.1	2.6	43.7	74.0	-30.3	Peak	Vertical
	7375.0	37.7	10.8	48.5	74.0	-25.5	Peak	Vertical
*	8964.5	35.4	11.6	47.0	87.1	-40.1	Peak	Vertical
*	9857.0	38.3	13.0	51.3	87.1	-35.8	Peak	Vertical

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

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4859.0	38.0	2.5	40.5	74.0	-33.5	Peak	Horizontal
	7417.5	34.1	10.8	44.9	74.0	-29.1	Peak	Horizontal
*	8786.0	34.3	11.8	46.1	74.0	-27.9	Peak	Horizontal
*	9644.5	38.2	12.7	50.9	74.0	-23.1	Peak	Horizontal
	4060.0	38.3	-0.1	38.2	74.0	-35.8	Peak	Vertical
	4876.0	37.3	2.6	39.9	74.0	-34.1	Peak	Vertical
*	7239.0	36.6	10.6	47.2	74.0	-26.8	Peak	Vertical
*	9644.5	38.0	12.7	50.7	74.0	-23.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (91.0dBμV/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:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4876.0	37.9	2.6	40.5	74.0	-33.5	Peak	Horizontal
	7375.0	34.1	10.8	44.9	74.0	-29.1	Peak	Horizontal
*	8692.5	34.7	11.3	46.0	74.0	-28.0	Peak	Horizontal
*	9746.5	38.7	12.7	51.4	74.0	-22.6	Peak	Horizontal
	4876.0	41.7	2.6	44.3	74.0	-29.7	Peak	Vertical
	7307.0	36.0	10.7	46.7	74.0	-27.3	Peak	Vertical
*	8692.5	34.4	11.3	45.7	74.0	-28.3	Peak	Vertical
*	9746.5	40.0	12.7	52.7	74.0	-21.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (93.7dBμV/m).

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

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

Test Mode:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4884.5	37.1	2.7	39.8	74.0	-34.2	Peak	Horizontal
	7366.5	34.5	10.7	45.2	74.0	-28.8	Peak	Horizontal
*	8786.0	34.2	11.8	46.0	74.0	-28.0	Peak	Horizontal
*	9483.0	35.5	12.1	47.6	74.0	-26.4	Peak	Horizontal
	4927.0	39.4	2.6	42.0	74.0	-32.0	Peak	Vertical
	7332.5	34.9	10.7	45.6	74.0	-28.4	Peak	Vertical
*	8777.5	35.0	11.9	46.9	74.0	-27.1	Peak	Vertical
*	9925.0	35.0	13.3	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (90.4dBμV/m).

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4000.5	39.2	-0.4	38.8	74.0	-35.2	Peak	Horizontal
	4944.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
*	7154.0	35.2	10.5	45.7	74.6	-28.9	Peak	Horizontal
*	9653.0	37.9	12.5	50.4	74.6	-24.2	Peak	Horizontal
	3924.0	38.5	-0.7	37.8	74.0	-36.2	Peak	Vertical
	4876.0	37.3	2.6	39.9	74.0	-34.1	Peak	Vertical
*	7230.5	38.1	10.7	48.8	74.6	-25.8	Peak	Vertical
*	9636.0	40.6	12.9	53.5	74.6	-21.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (94.6dBμV/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:	802.11g - Ant 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4893.0	37.6	2.7	40.3	74.0	-33.7	Peak	Horizontal
	7468.5	35.0	11.0	46.0	74.0	-28.0	Peak	Horizontal
*	8964.5	35.7	11.6	47.3	75.1	-27.8	Peak	Horizontal
*	10001.5	35.1	13.5	48.6	75.1	-26.5	Peak	Horizontal
	4876.0	40.9	2.6	43.5	74.0	-30.5	Peak	Vertical
	7307.0	35.5	10.7	46.2	74.0	-27.8	Peak	Vertical
*	8607.5	34.7	11.1	45.8	75.1	-29.3	Peak	Vertical
*	10180.0	34.9	14.3	49.2	75.1	-25.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (95.1dBμV/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:	802.11g - Ant 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4876.0	37.3	2.6	39.9	74.0	-34.1	Peak	Horizontal
	7298.5	35.4	10.7	46.1	74.0	-27.9	Peak	Horizontal
*	8794.5	34.8	11.8	46.6	75.3	-28.7	Peak	Horizontal
*	9534.0	35.3	12.7	48.0	75.3	-27.3	Peak	Horizontal
	4935.5	44.1	2.7	46.8	74.0	-27.2	Peak	Vertical
	7400.5	35.0	10.8	45.8	74.0	-28.2	Peak	Vertical
*	8505.5	35.2	10.8	46.0	75.3	-29.3	Peak	Vertical
*	9840.0	35.5	13.5	49.0	75.3	-26.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (95.3dBμV/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:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4842.0	36.5	2.9	39.4	74.0	-34.6	Peak	Horizontal
	7349.5	34.8	10.7	45.5	74.0	-28.5	Peak	Horizontal
*	8743.5	34.4	11.7	46.1	91.9	-45.8	Peak	Horizontal
*	9551.0	35.0	12.8	47.8	91.9	-44.1	Peak	Horizontal
	4884.5	36.9	2.7	39.6	74.0	-34.4	Peak	Vertical
	7349.5	34.3	10.7	45.0	74.0	-29.0	Peak	Vertical
*	8956.0	35.5	11.6	47.1	91.9	-44.8	Peak	Vertical
*	9942.0	35.2	13.3	48.5	91.9	-43.4	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4145.0	38.7	0.3	39.0	74.0	-35.0	Peak	Horizontal
	4893.0	37.5	2.7	40.2	74.0	-33.8	Peak	Horizontal
*	7927.5	36.4	10.7	47.1	94.7	-47.6	Peak	Horizontal
*	10520.0	35.7	15.4	51.1	94.7	-43.6	Peak	Horizontal
	4901.5	38.6	2.6	41.2	74.0	-32.8	Peak	Vertical
	7332.5	35.1	10.7	45.8	74.0	-28.2	Peak	Vertical
*	8735.0	35.0	11.6	46.6	94.7	-48.1	Peak	Vertical
*	9925.0	35.2	13.3	48.5	94.7	-46.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.7dBμV/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 0 + 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4000.5	40.2	-0.4	39.8	74.0	-34.2	Peak	Horizontal
	7638.5	35.0	10.5	45.5	74.0	-28.5	Peak	Horizontal
*	8718.0	34.7	11.4	46.1	90.5	-44.4	Peak	Horizontal
*	9891.0	33.9	13.2	47.1	90.5	-43.4	Peak	Horizontal
	4884.5	38.8	2.7	41.5	74.0	-32.5	Peak	Vertical
	7281.5	34.8	10.6	45.4	74.0	-28.6	Peak	Vertical
*	8956.0	35.4	11.6	47.0	90.5	-43.5	Peak	Vertical
*	10095.0	34.9	13.4	48.3	90.5	-42.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.5dBμV/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:	AC2
Test Channel:	03	Test Engineer:	Will Yan
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
	4867.5	37.2	2.6	39.8	74.0	-34.2	Peak	Horizontal
	7366.5	34.2	10.7	44.9	74.0	-29.1	Peak	Horizontal
*	8786.0	34.4	11.8	46.2	84.6	-38.4	Peak	Horizontal
*	9619.0	34.3	12.4	46.7	84.6	-37.9	Peak	Horizontal
	4000.5	38.2	-0.4	37.8	74.0	-36.2	Peak	Vertical
	4893.0	36.8	2.7	39.5	74.0	-34.5	Peak	Vertical
*	7103.0	34.8	10.1	44.9	84.6	-39.7	Peak	Vertical
*	8973.0	35.2	11.7	46.9	84.6	-37.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.6dBμV/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:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4000.5	39.9	-0.4	39.5	74.0	-34.5	Peak	Horizontal
	4901.5	38.1	2.6	40.7	74.0	-33.3	Peak	Horizontal
*	7961.5	34.9	10.8	45.7	86.3	-40.6	Peak	Horizontal
*	10545.5	34.9	15.3	50.2	86.3	-36.1	Peak	Horizontal
	3890.0	39.1	-0.6	38.5	74.0	-35.5	Peak	Vertical
	4884.5	36.9	2.7	39.6	74.0	-34.4	Peak	Vertical
*	7111.5	34.0	10.1	44.1	86.3	-42.2	Peak	Vertical
*	8896.5	34.4	11.7	46.1	86.3	-40.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dBμV/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	Test Site:	AC2
Test Channel:	09	Test Engineer:	Will Yan
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
	3873.0	39.7	-0.6	39.1	74.0	-34.9	Peak	Horizontal
	4901.5	36.9	2.6	39.5	74.0	-34.5	Peak	Horizontal
*	7154.0	34.4	10.5	44.9	84.2	-39.3	Peak	Horizontal
*	8658.5	34.8	11.1	45.9	84.2	-38.3	Peak	Horizontal
	4000.5	39.1	-0.4	38.7	74.0	-35.3	Peak	Vertical
	4893.0	37.3	2.7	40.0	74.0	-34.0	Peak	Vertical
*	7927.5	35.1	10.7	45.8	84.2	-38.4	Peak	Vertical
*	9933.5	34.9	13.2	48.1	84.2	-36.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.2dBμV/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)

For PCB Antenna

Test Mode:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4901.5	37.6	2.6	40.2	74.0	-33.8	Peak	Horizontal
	7409.0	34.4	10.8	45.2	74.0	-28.8	Peak	Horizontal
*	8709.5	34.4	11.3	45.7	85.7	-40.0	Peak	Horizontal
*	9559.5	35.4	12.9	48.3	85.7	-37.4	Peak	Horizontal
	4808.0	37.0	2.7	39.7	74.0	-34.3	Peak	Vertical
	7375.0	34.0	10.8	44.8	74.0	-29.2	Peak	Vertical
*	8777.5	34.0	11.9	45.9	85.7	-39.8	Peak	Vertical
*	9508.5	35.1	12.5	47.6	85.7	-38.1	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:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4893.0	37.8	2.7	40.5	74.0	-33.5	Peak	Horizontal
	7349.5	34.5	10.7	45.2	74.0	-28.8	Peak	Horizontal
*	8769.0	34.4	11.8	46.2	86.2	-40.0	Peak	Horizontal
*	9525.5	34.6	12.6	47.2	86.2	-39.0	Peak	Horizontal
	4884.5	36.6	2.7	39.3	74.0	-34.7	Peak	Vertical
	7324.0	34.1	10.6	44.7	74.0	-29.3	Peak	Vertical
*	8854.0	34.5	11.7	46.2	86.2	-40.0	Peak	Vertical
*	9551.0	34.0	12.8	46.8	86.2	-39.4	Peak	Vertical

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

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

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

Test Mode:	802.11b - Ant 0	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4000.5	40.0	-0.4	39.6	74.0	-34.4	Peak	Horizontal
	4918.5	37.1	2.6	39.7	74.0	-34.3	Peak	Horizontal
*	8718.0	34.3	11.4	45.7	79.4	-33.7	Peak	Horizontal
*	9517.0	34.9	12.5	47.4	79.4	-32.0	Peak	Horizontal
	4901.5	37.0	2.6	39.6	74.0	-34.4	Peak	Vertical
	7375.0	34.2	10.8	45.0	74.0	-29.0	Peak	Vertical
*	8828.5	34.7	11.6	46.3	79.4	-33.1	Peak	Vertical
*	9925.0	33.8	13.3	47.1	79.4	-32.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (99.4dBμV/m).

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	3873.0	39.6	-0.6	39.0	74.0	-35.0	Peak	Horizontal
	4935.5	37.0	2.7	39.7	74.0	-34.3	Peak	Horizontal
*	7247.5	34.1	10.7	44.8	89.3	-44.5	Peak	Horizontal
*	9551.0	35.7	12.8	48.5	89.3	-40.8	Peak	Horizontal
	4799.5	36.7	2.8	39.5	74.0	-34.5	Peak	Vertical
	7315.5	34.2	10.7	44.9	74.0	-29.1	Peak	Vertical
*	8641.5	34.3	11.1	45.4	89.3	-43.9	Peak	Vertical
*	9763.5	34.9	12.8	47.7	89.3	-41.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.3dBμV/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:	802.11g - Ant 0	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4782.5	36.8	2.9	39.7	74.0	-34.3	Peak	Horizontal
	7307.0	39.7	10.7	50.4	74.0	-23.6	Peak	Horizontal
*	8667.0	34.5	11.3	45.8	93.4	-47.6	Peak	Horizontal
*	9738.0	42.6	12.5	55.1	93.4	-38.3	Peak	Horizontal
	4876.0	38.2	2.6	40.8	74.0	-33.2	Peak	Vertical
	7298.5	35.7	10.7	46.4	74.0	-27.6	Peak	Vertical
*	8735.0	34.4	11.6	46.0	93.4	-47.4	Peak	Vertical
*	9755.0	45.6	13.0	58.6	93.4	-34.8	Peak	Vertical

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

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

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

Test Mode:	802.11g - Ant 0	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4918.5	37.4	2.6	40.0	74.0	-34.0	Peak	Horizontal
	7383.5	38.6	10.7	49.3	74.0	-24.7	Peak	Horizontal
*	8667.0	34.8	11.3	46.1	83.5	-37.4	Peak	Horizontal
*	9848.5	39.2	13.3	52.5	83.5	-31.0	Peak	Horizontal
	4918.5	38.0	2.6	40.6	74.0	-33.4	Peak	Vertical
	7468.5	34.6	11.0	45.6	74.0	-28.4	Peak	Vertical
*	8701.0	34.5	11.4	45.9	83.5	-37.6	Peak	Vertical
*	9840.0	37.4	13.5	50.9	83.5	-32.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.5dBμV/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:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4944.0	38.2	2.7	40.9	74.0	-33.1	Peak	Horizontal
	7417.5	34.7	10.8	45.5	74.0	-28.5	Peak	Horizontal
*	7987.0	35.5	10.7	46.2	83.9	-37.7	Peak	Horizontal
*	9644.5	40.1	12.7	52.8	83.9	-31.1	Peak	Horizontal
	4893.0	38.1	2.7	40.8	74.0	-33.2	Peak	Vertical
	7315.5	34.2	10.7	44.9	74.0	-29.1	Peak	Vertical
*	8777.5	34.6	11.9	46.5	83.9	-37.4	Peak	Vertical
*	9644.5	37.4	12.7	50.1	83.9	-33.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.9dBμV/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:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	3873.0	39.9	-0.6	39.3	74.0	-34.7	Peak	Horizontal
	4876.0	40.0	2.6	42.6	74.0	-31.4	Peak	Horizontal
*	7077.5	34.4	9.9	44.3	84.2	-39.9	Peak	Horizontal
*	9534.0	35.0	12.7	47.7	84.2	-36.5	Peak	Horizontal
	4876.0	37.1	2.6	39.7	74.0	-34.3	Peak	Vertical
	7366.5	34.5	10.7	45.2	74.0	-28.8	Peak	Vertical
*	8922.0	35.4	11.8	47.2	84.2	-37.0	Peak	Vertical
*	9933.5	34.3	13.2	47.5	84.2	-36.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.2dBμV/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:	802.11b - Ant 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4927.0	42.3	2.6	44.9	74.0	-29.1	Peak	Horizontal
	7383.5	35.0	10.7	45.7	74.0	-28.3	Peak	Horizontal
*	8641.5	34.4	11.1	45.5	84.4	-38.9	Peak	Horizontal
*	9848.5	39.2	13.3	52.5	84.4	-31.9	Peak	Horizontal
	4901.5	37.2	2.6	39.8	74.0	-34.2	Peak	Vertical
	7434.5	34.1	10.7	44.8	74.0	-29.2	Peak	Vertical
*	8930.5	34.5	11.7	46.2	84.4	-38.2	Peak	Vertical
*	10010.0	34.6	13.4	48.0	84.4	-36.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.4dBμV/m).

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4000.5	38.4	-0.4	38.0	74.0	-36.0	Peak	Horizontal
	4893.0	37.6	2.7	40.3	74.0	-33.7	Peak	Horizontal
*	7961.5	35.5	10.8	46.3	88.2	-41.9	Peak	Horizontal
*	9653.0	41.6	12.5	54.1	88.2	-34.1	Peak	Horizontal
	4799.5	37.4	2.8	40.2	74.0	-33.8	Peak	Vertical
	7375.0	34.4	10.8	45.2	74.0	-28.8	Peak	Vertical
*	8786.0	34.8	11.8	46.6	88.2	-41.6	Peak	Vertical
*	9644.5	37.3	12.7	50.0	88.2	-38.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (108.2dBμV/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 - Ant 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4876.0	41.2	2.6	43.8	74.0	-30.2	Peak	Horizontal
	7307.0	36.0	10.7	46.7	74.0	-27.3	Peak	Horizontal
*	8947.5	35.4	11.6	47.0	89.4	-42.4	Peak	Horizontal
*	9755.0	38.9	13.0	51.9	89.4	-37.5	Peak	Horizontal
	4000.5	38.4	-0.4	38.0	74.0	-36.0	Peak	Vertical
	4867.5	37.3	2.6	39.9	74.0	-34.1	Peak	Vertical
*	7179.5	35.3	10.6	45.9	89.4	-43.5	Peak	Vertical
*	9823.0	34.8	12.9	47.7	89.4	-41.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dBμV/m).

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

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

Test Mode:	802.11g - Ant 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4927.0	42.1	2.6	44.7	74.0	-29.3	Peak	Horizontal
	7375.0	37.0	10.8	47.8	74.0	-26.2	Peak	Horizontal
*	8692.5	35.1	11.3	46.4	86.3	-39.9	Peak	Horizontal
*	9848.5	42.4	13.3	55.7	86.3	-30.6	Peak	Horizontal
	4927.0	37.2	2.6	39.8	74.0	-34.2	Peak	Vertical
	7392.0	34.7	10.7	45.4	74.0	-28.6	Peak	Vertical
*	8726.5	34.0	11.5	45.5	86.3	-40.8	Peak	Vertical
*	9525.5	35.9	12.6	48.5	86.3	-37.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dBμV/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:	AC2
Test Channel:	01	Test Engineer:	Will Yan
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
	4000.5	40.1	-0.4	39.7	74.0	-34.3	Peak	Horizontal
	4825.0	37.9	2.7	40.6	74.0	-33.4	Peak	Horizontal
*	7239.0	37.5	10.6	48.1	89.0	-40.9	Peak	Horizontal
*	9644.5	47.2	12.7	59.9	89.0	-29.1	Peak	Horizontal
	4876.0	36.6	2.6	39.2	74.0	-34.8	Peak	Vertical
	7426.0	35.2	10.7	45.9	74.0	-28.1	Peak	Vertical
*	8786.0	33.6	11.8	45.4	89.0	-43.6	Peak	Vertical
*	9653.0	42.5	12.5	55.0	89.0	-34.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.0dBμV/m).

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4952.5	38.0	2.7	40.7	74.0	-33.3	Peak	Horizontal
	7315.5	38.4	10.7	49.1	74.0	-24.9	Peak	Horizontal
*	8905.0	33.9	12.0	45.9	91.4	-45.5	Peak	Horizontal
*	9746.5	43.0	12.7	55.7	91.4	-35.7	Peak	Horizontal
	4867.5	38.6	2.6	41.2	74.0	-32.8	Peak	Vertical
	7443.0	34.5	10.7	45.2	74.0	-28.8	Peak	Vertical
*	8837.0	35.0	11.6	46.6	91.4	-44.8	Peak	Vertical
*	9746.5	41.7	12.7	54.4	91.4	-37.0	Peak	Vertical

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

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

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

Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Site:	AC2
Test Channel:	11	Test Engineer:	Will Yan
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
	4867.5	38.2	2.6	40.8	74.0	-33.2	Peak	Horizontal
	7383.5	35.9	10.7	46.6	74.0	-27.4	Peak	Horizontal
*	8794.5	34.0	11.8	45.8	85.9	-40.1	Peak	Horizontal
*	9840.0	36.8	13.5	50.3	85.9	-35.6	Peak	Horizontal
	4884.5	37.2	2.7	39.9	74.0	-34.1	Peak	Vertical
	7468.5	34.2	11.0	45.2	74.0	-28.8	Peak	Vertical
*	8794.5	33.6	11.8	45.4	85.9	-40.5	Peak	Vertical
*	9525.5	35.0	12.6	47.6	85.9	-38.3	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:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC2
Test Channel:	03	Test Engineer:	Will Yan
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
	4000.5	39.1	-0.4	38.7	74.0	-35.3	Peak	Horizontal
	4859.0	38.0	2.5	40.5	74.0	-33.5	Peak	Horizontal
*	7290.0	37.2	10.7	47.9	80.0	-32.1	Peak	Horizontal
*	9729.5	44.9	12.4	57.3	80.0	-22.7	Peak	Horizontal
	4867.5	37.7	2.6	40.3	74.0	-33.7	Peak	Vertical
	7349.5	35.6	10.7	46.3	74.0	-27.7	Peak	Vertical
*	8837.0	34.3	11.6	45.9	80.0	-34.1	Peak	Vertical
*	9721.0	41.7	12.3	54.0	80.0	-26.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (100.0dBμV/m).

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

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

Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Site:	AC2
Test Channel:	06	Test Engineer:	Will Yan
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
	4893.0	37.8	2.7	40.5	74.0	-33.5	Peak	Horizontal
	7358.0	37.3	10.5	47.8	74.0	-26.2	Peak	Horizontal
*	8726.5	34.7	11.5	46.2	81.6	-35.4	Peak	Horizontal
*	9814.5	37.4	12.8	50.2	81.6	-31.4	Peak	Horizontal
	4918.5	38.6	2.6	41.2	74.0	-32.8	Peak	Vertical
	7358.0	35.2	10.5	45.7	74.0	-28.3	Peak	Vertical
*	8913.5	35.5	11.9	47.4	81.6	-34.2	Peak	Vertical
*	9823.0	38.7	12.9	51.6	81.6	-30.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.6dBμV/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:	AC2
Test Channel:	09	Test Engineer:	Will Yan
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
	4927.0	37.6	2.6	40.2	74.0	-33.8	Peak	Horizontal
	7375.0	35.7	10.8	46.5	74.0	-27.5	Peak	Horizontal
*	8667.0	34.6	11.3	45.9	78.8	-32.9	Peak	Horizontal
*	9840.0	36.9	13.5	50.4	78.8	-28.4	Peak	Horizontal
	4927.0	38.8	2.6	41.4	74.0	-32.6	Peak	Vertical
	7409.0	34.4	10.8	45.2	74.0	-28.8	Peak	Vertical
*	8803.0	34.2	11.7	45.9	78.8	-32.9	Peak	Vertical
*	9848.5	36.7	13.3	50.0	78.8	-28.8	Peak	Vertical

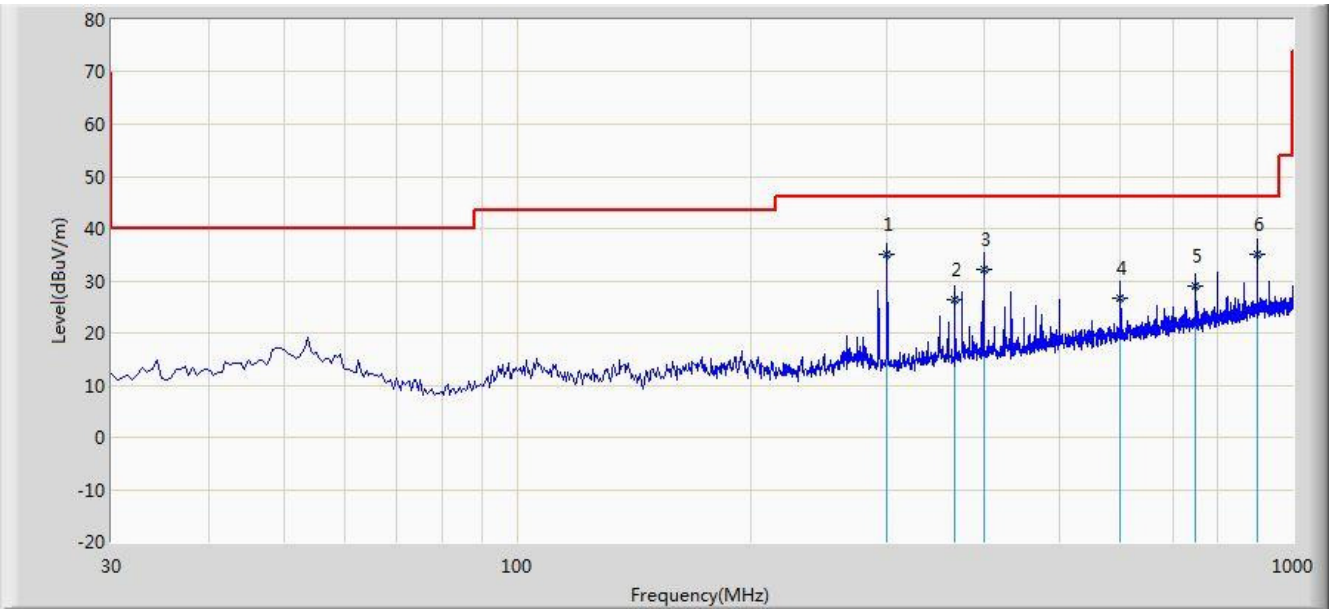
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (98.8dBμV/m).

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:

Site: AC2	Time: 2016/08/30 - 13:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Worse Case Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

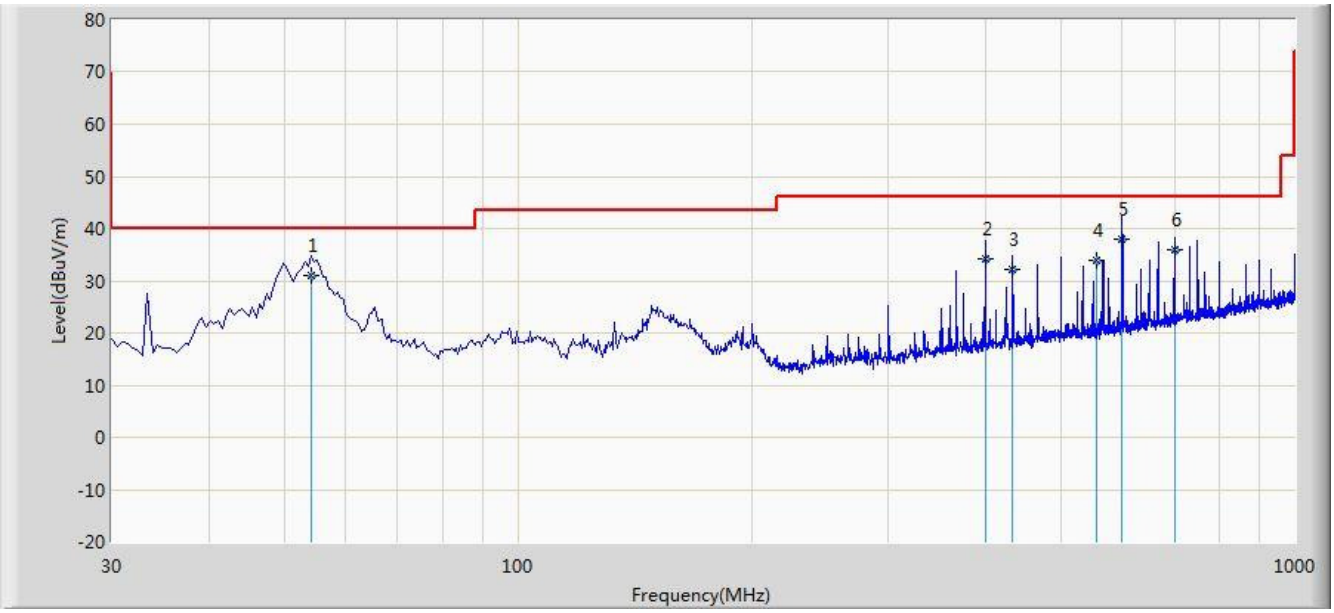


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Facto (dB)r	Type
1			300.145	34.990	20.411	-11.010	46.000	14.579	QP
2			366.529	26.372	10.262	-19.628	46.000	16.110	QP
3			400.055	32.239	15.484	-13.761	46.000	16.755	QP
4			599.875	26.608	6.514	-19.392	46.000	20.094	QP
5			749.740	28.886	6.623	-17.114	46.000	22.263	QP
6		*	900.090	35.151	11.002	-10.849	46.000	24.149	QP

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

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

Site: AC2	Time: 2016/08/30 - 13:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Worse Case Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

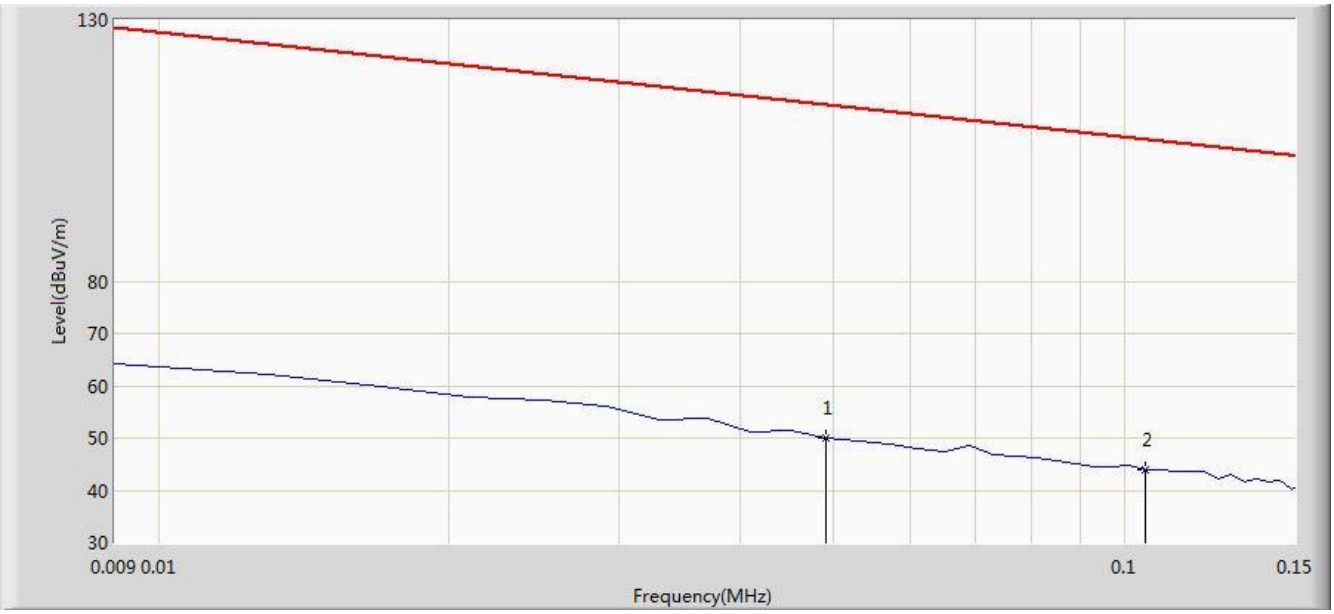


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			54.250	31.029	16.223	-8.971	40.000	14.806	QP
2			400.055	34.281	17.526	-11.719	46.000	16.755	QP
3			433.520	32.119	14.923	-13.881	46.000	17.196	QP
4			555.805	33.806	14.523	-12.194	46.000	19.283	QP
5		*	599.875	38.091	17.997	-7.909	46.000	20.094	QP
6			699.765	35.820	14.227	-10.180	46.000	21.593	QP

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

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

Site: AC2	Time: 2016/08/17 - 16:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	



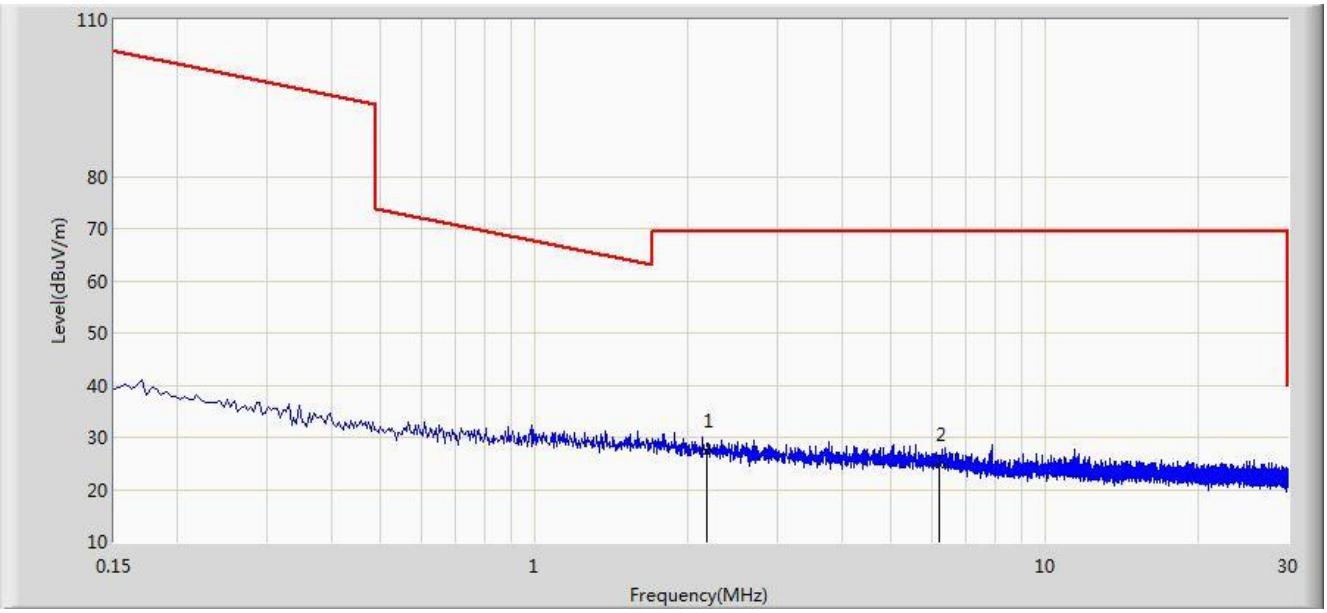
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.049	50.112	29.552	-63.688	113.800	20.560	AV
2		*	0.105	44.043	23.845	-63.137	107.180	20.198	QP

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

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

Limit@3m = 20*Log((2400/49)uV/m) + 40*Log(300m/3m) = 113.800dBμv/m (Average detector)

Site: AC2	Time: 2016/08/17 - 16:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	



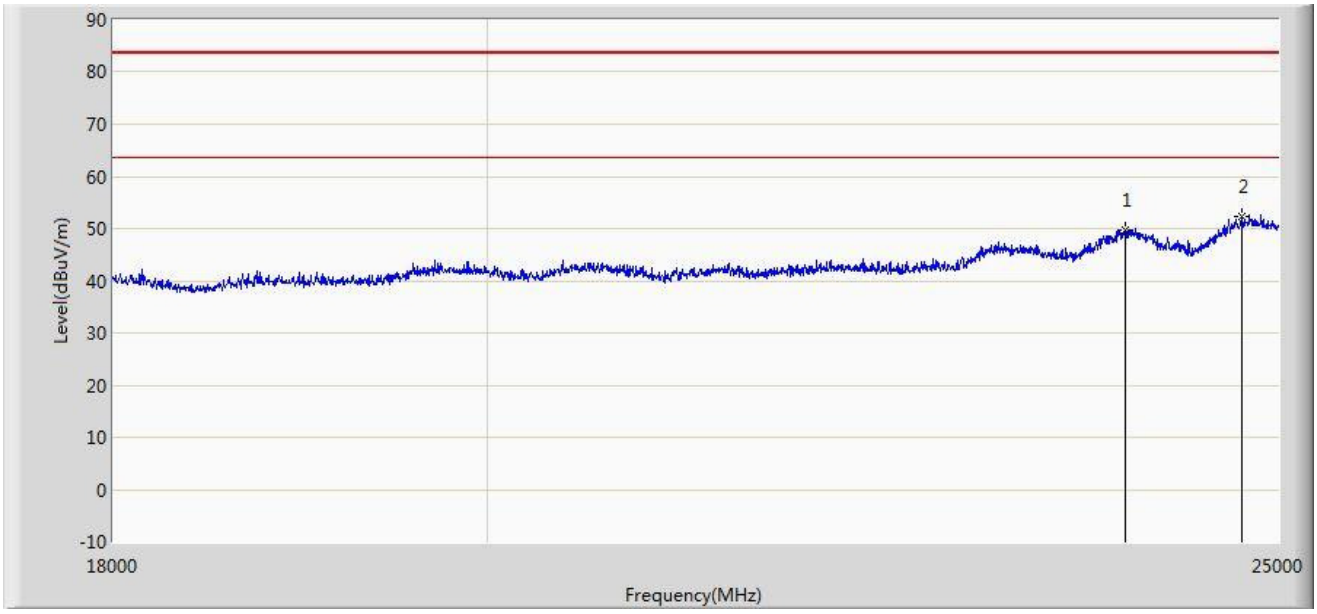
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2.175	27.371	6.960	-42.129	69.500	20.412	QP
2			6.216	24.786	4.701	-44.714	69.500	20.085	QP

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

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

Limit@3m = 20*Log(30uV/m) + 20*Log(30m/3m) = 49.5dBμv/m (Average detector), and 69.5dBμv/m (Quasi-Peak detector).

Site: AC2	Time: 2016/08/17- 21:20
Limit: FCC_Part15.209_RE(1m)	Engineer: Will Yan
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



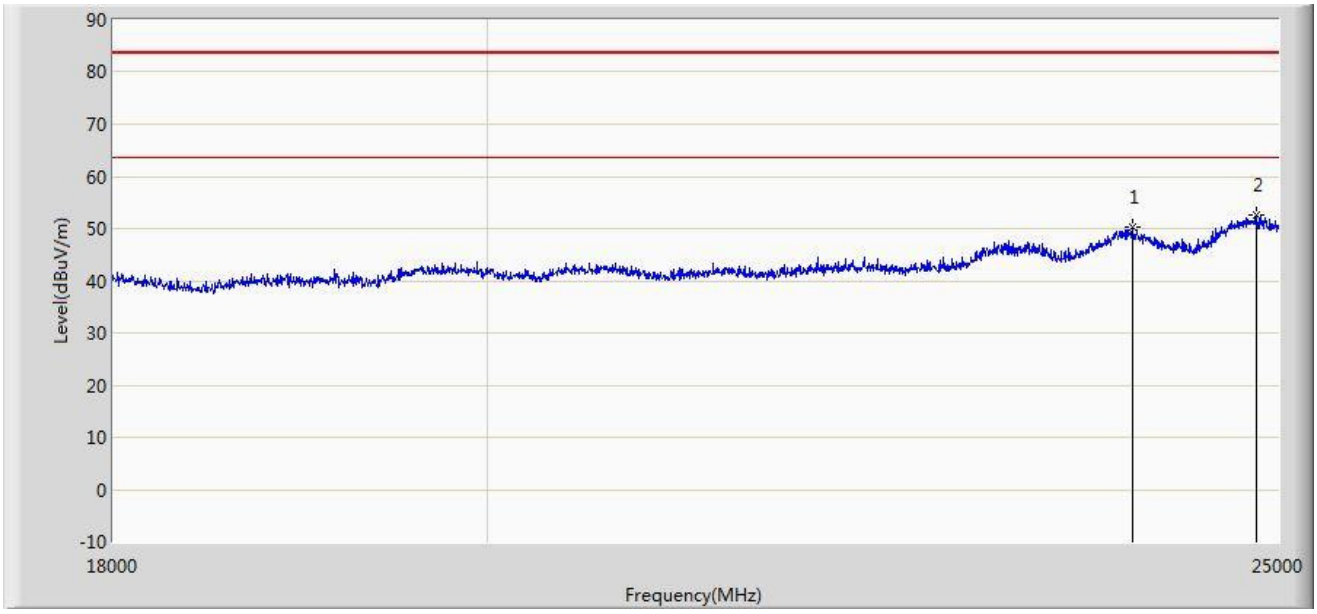
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23943.000	49.776	35.866	-33.724	83.500	13.910	PK
2		*	24741.000	52.375	37.681	-31.125	83.500	14.694	PK

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

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

Limit@1m = 20*Log(500uV/m) + 20*Log(3m/1m) = 63.5dBμv/m (Average detector), and 83.5dBμv/m (Peak detector).

Site: AC2	Time: 2016/08/17 - 21:32
Limit: FCC_Part15.209_RE(1m)	Engineer: Will Yan
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	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 (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

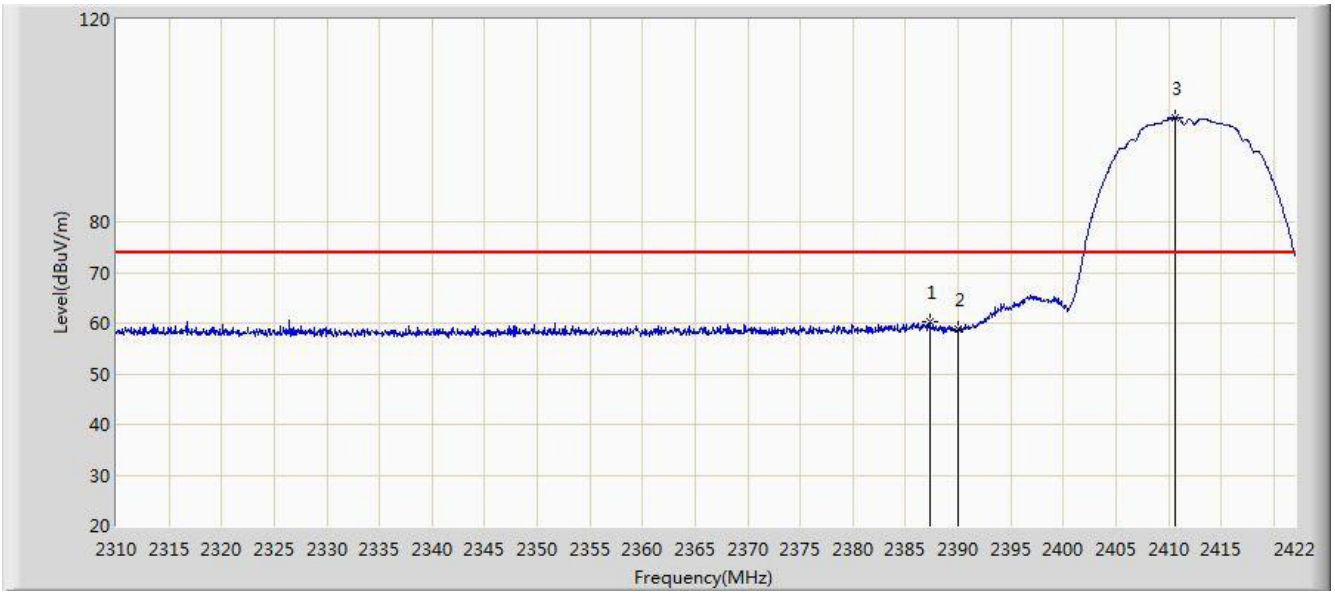
Limit@1m = 20*Log(500uV/m) + 20*Log(3m/1m) = 63.5dBμv/m (Average detector), and 83.5dBμv/m (Peak detector).

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

For Dipole Antenna

Site: AC2	Time: 2016/08/18 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS-N NETWORK MINI PCI ADAPTER	Power: AC 120V/60Hz
Test Mode: 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			2387.280	60.156	27.893	-13.844	74.000	32.263	PK
2			2390.000	58.927	26.649	-15.073	74.000	32.278	PK
3		*	2410.632	100.521	68.276	N/A	N/A	32.245	PK

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

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