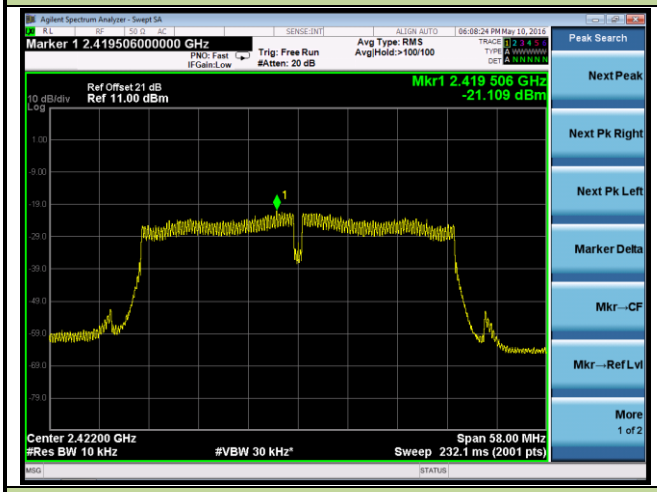
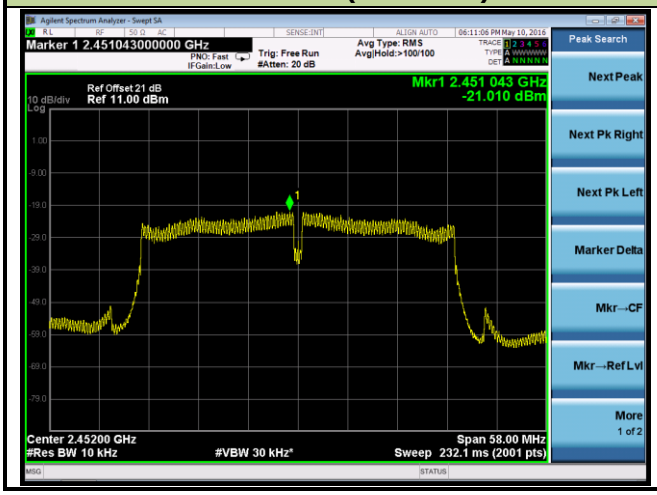
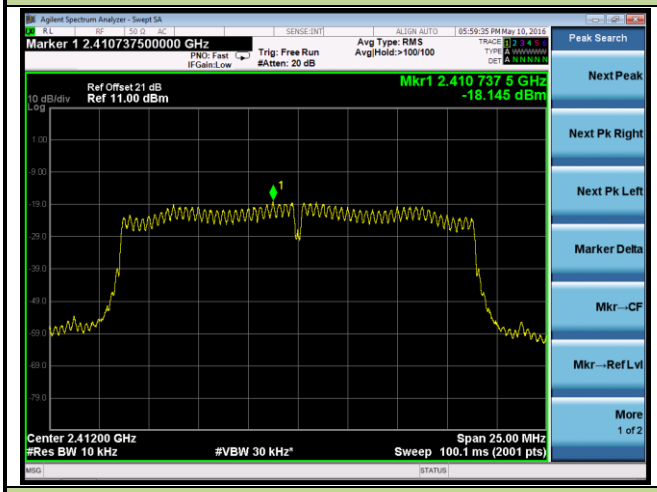
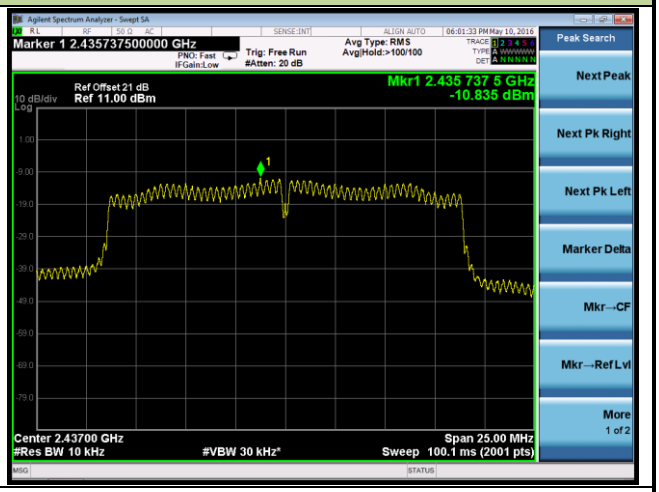
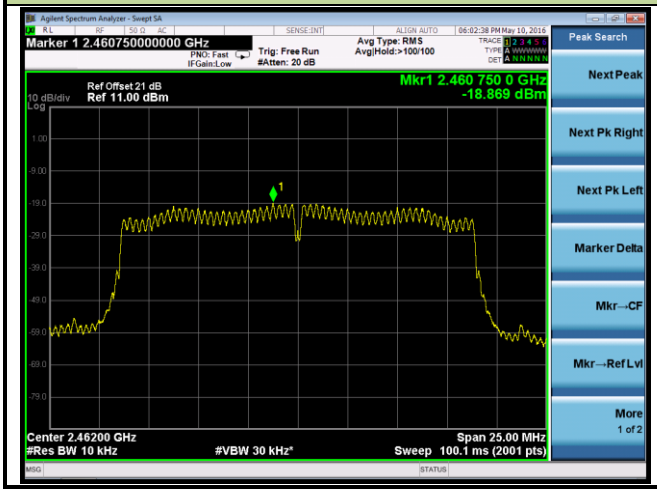
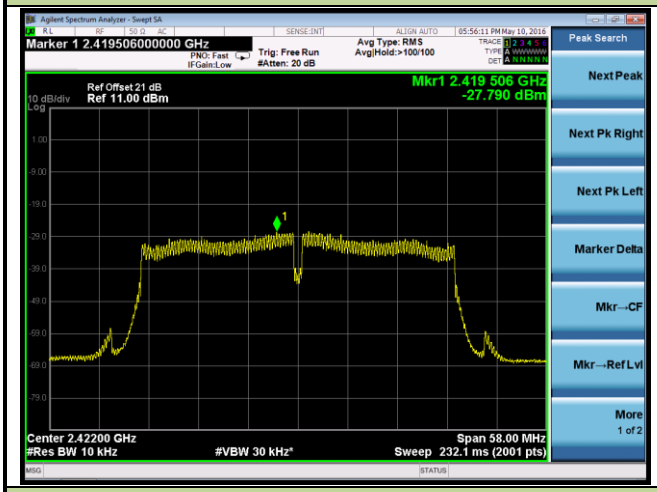
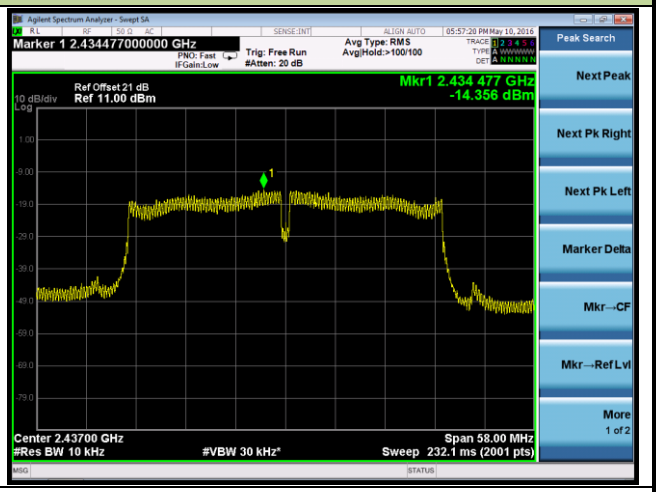
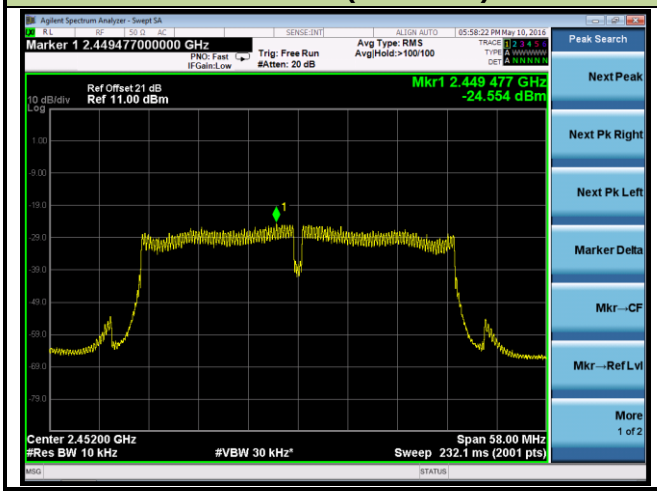
802.11n-HT40 AVGPSD - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	**Channel 06 (2437MHz)**
	
Channel 09 (2452MHz)	
	

802.11n-HT20 AVGPSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	**Channel 06 (2437MHz)**
	
Channel 11 (2462MHz)	
	

802.11n-HT40 AVGPSD - Ant 1 / Ant 0 + 1	
Channel 03 (2422MHz)	**Channel 06 (2437MHz)**
	
Channel 09 (2452MHz)	
	

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 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

KDB 558074 D01v03r05 - Section 11.2 & Section 11.3

7.5.3. Test Settitng

1. Reference level measurement

(a) Set instrument center frequency to DTS channel center frequency

(b) Set the span to ≥ 1.5 times the DTS bandwidth

(c) Set the RBW = 100 kHz

(d) Set the VBW ≥ 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

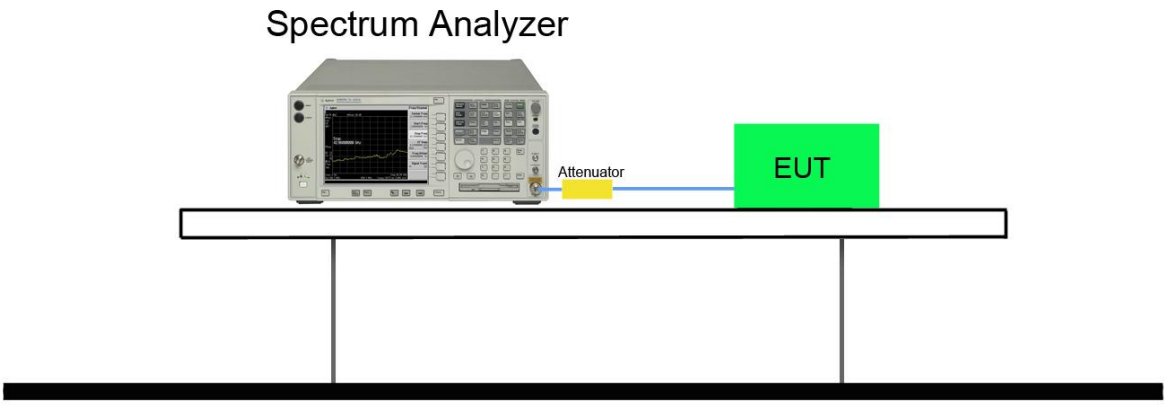
(d) Detector = Peak

(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

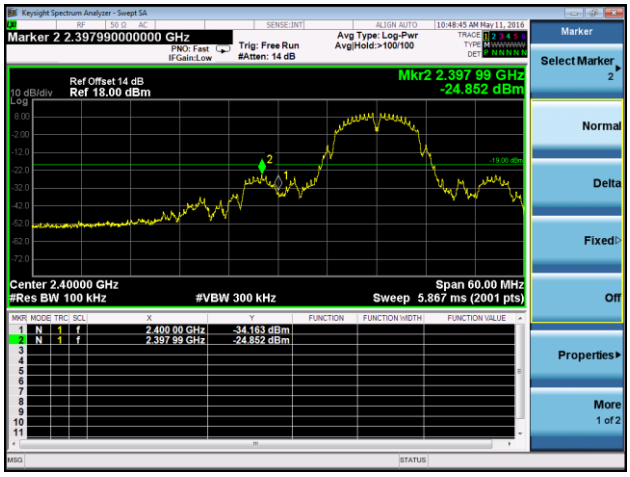
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 1					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	6.5	01	2412	30dBc	Pass
802.11n-HT20	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					
802.11g	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 0 / Ant 0 + 1					
802.11n-HT20	13	01	2412	30dBc	Pass
802.11n-HT20	13	06	2437	30dBc	Pass
802.11n-HT20	13	11	2462	30dBc	Pass
802.11n-HT40	27	03	2422	30dBc	Pass
802.11n-HT40	27	06	2437	30dBc	Pass
802.11n-HT40	27	09	2452	30dBc	Pass

802.11b Out-of-Band Emissions - Ant 0

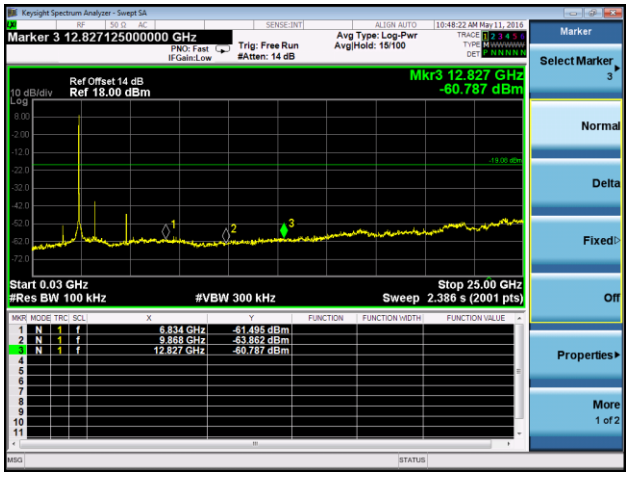
100kHz PSD Reference Level

Channel 01 (2412MHz)

Low Band Edge

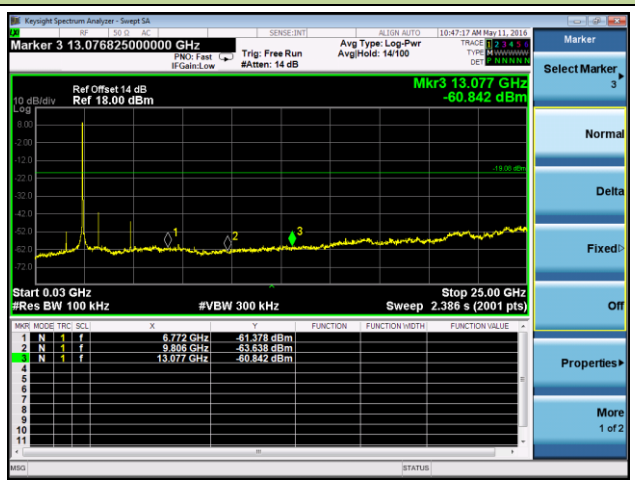


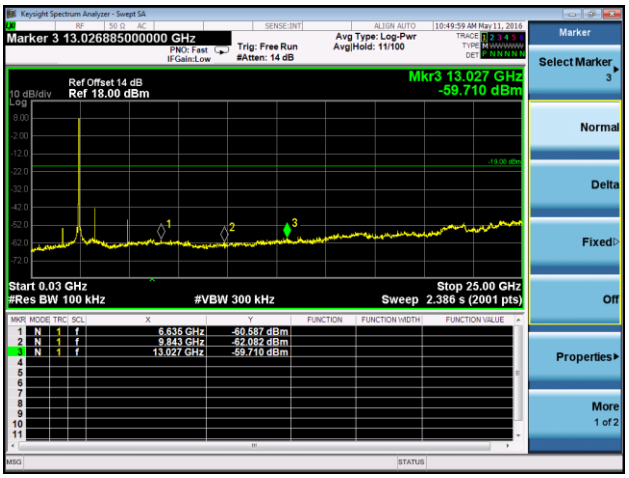
Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

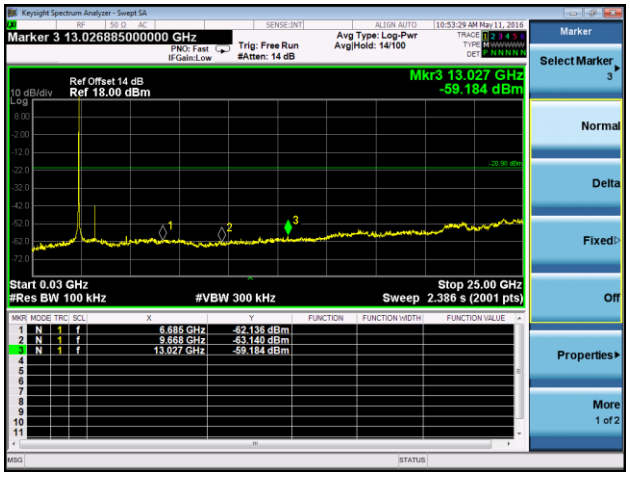
802.11g Out-of-Band Emissions - Ant 0

100kHz PSD Reference Level

Channel 01 (2412MHz)

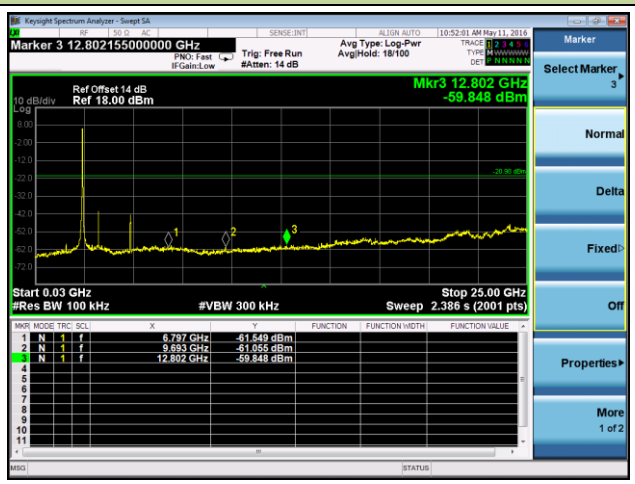
Low Band Edge

Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

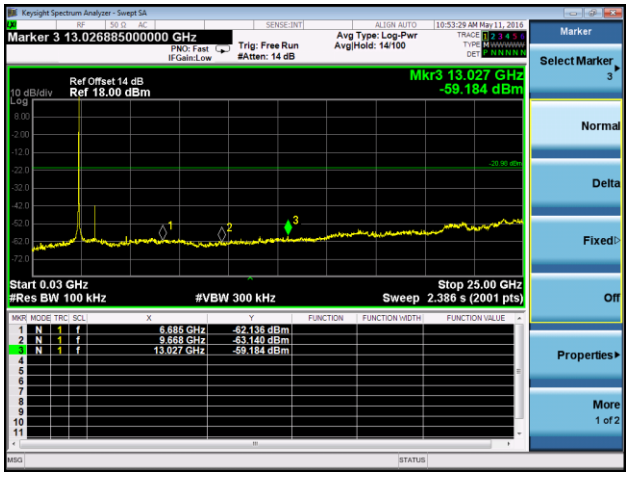
802.11n-HT20 Out-of-Band Emissions - Ant 0

100kHz PSD Reference Level

Channel 01 (2412MHz)

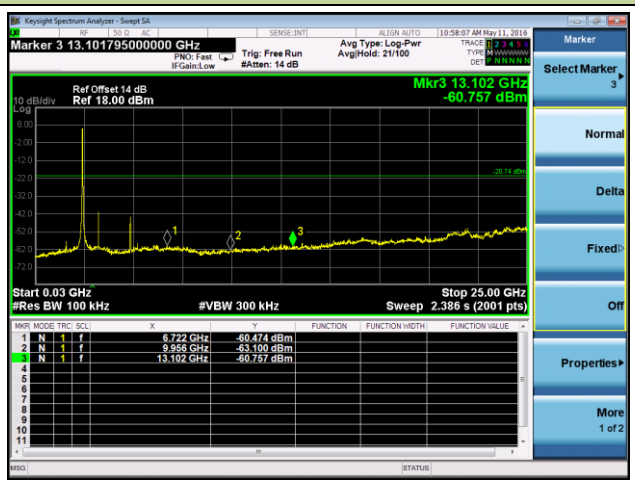
Low Band Edge

Spurious Emission



Channel 06 (2437MHz)

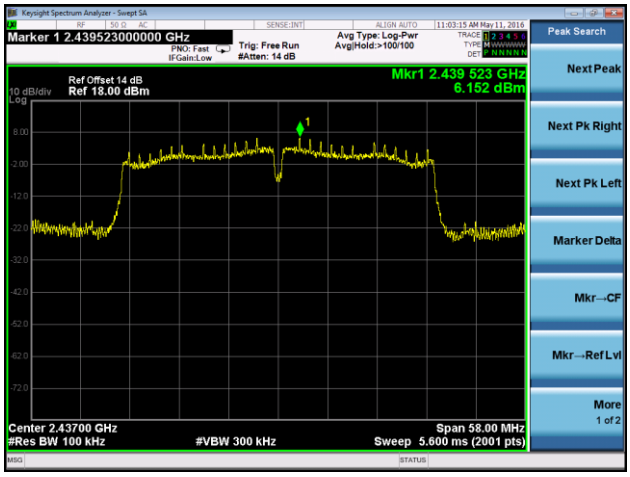
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

802.11n-HT40 Out-of-Band Emissions - Ant 0

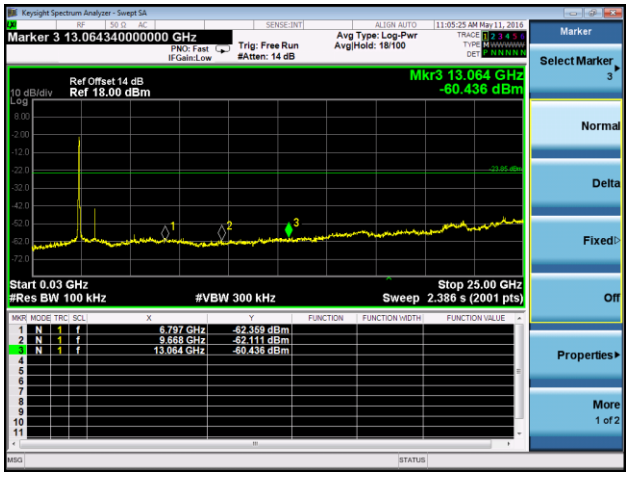
100kHz PSD Reference Level



Channel 03 (2422MHz)

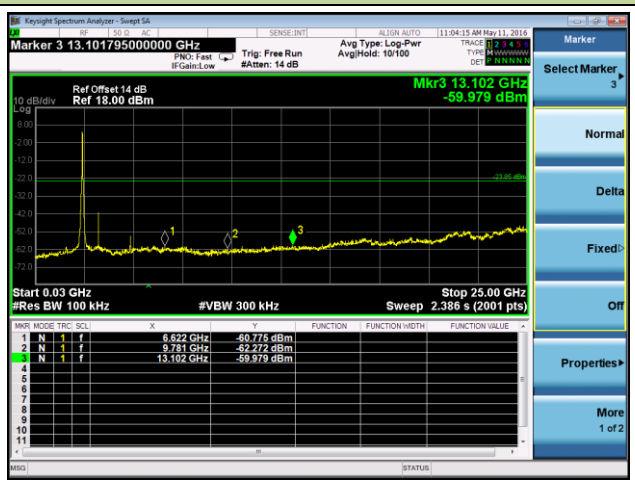
Low Band Edge

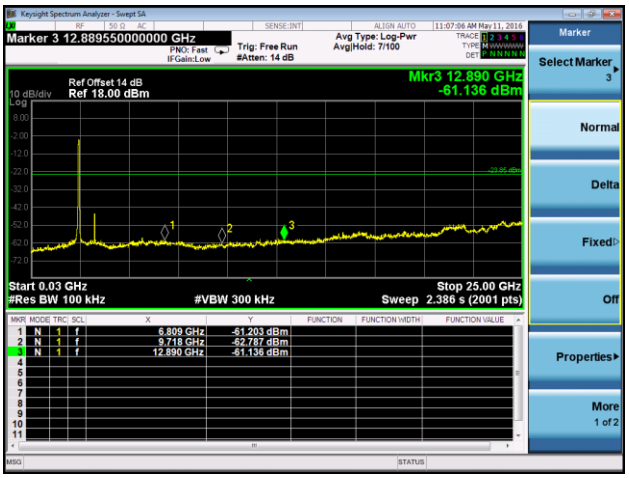
Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 09 (2452MHz)	
High Band Edge	**Spurious Emission**
	

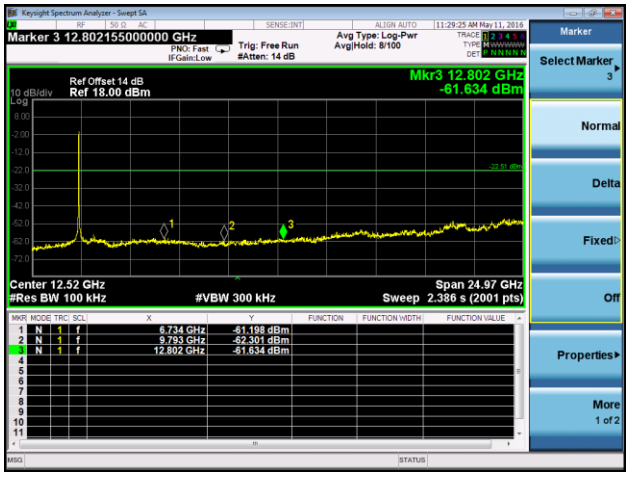
802.11g Out-of-Band Emissions - Ant 1

100kHz PSD Reference Level

Channel 01 (2412MHz)

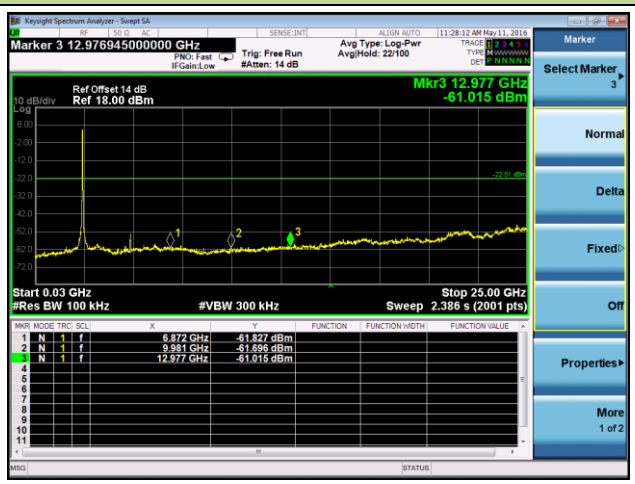
Low Band Edge

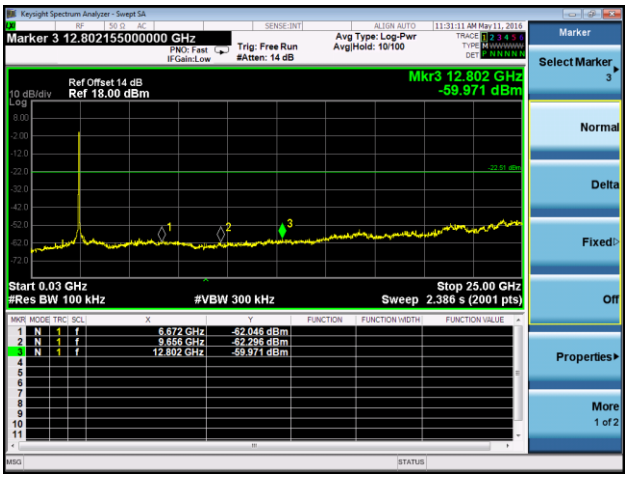
Spurious Emission



Channel 06 (2437MHz)

Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

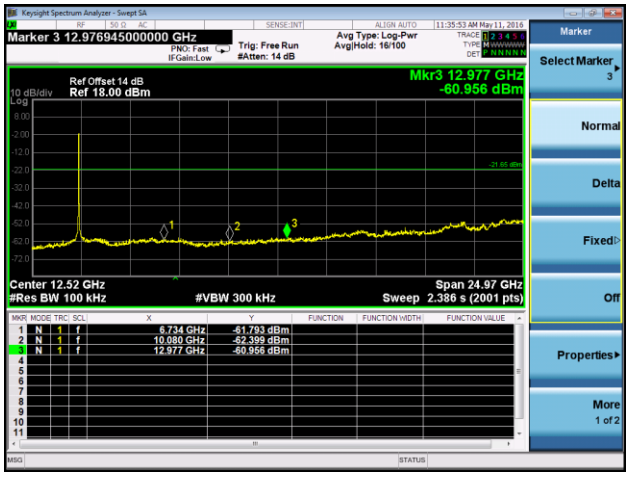
802.11n-HT20 Out-of-Band Emissions - Ant 1

100kHz PSD Reference Level

Channel 01 (2412MHz)

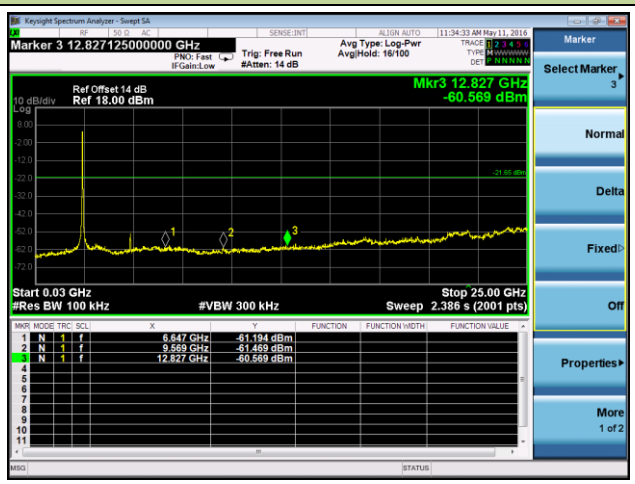
Low Band Edge

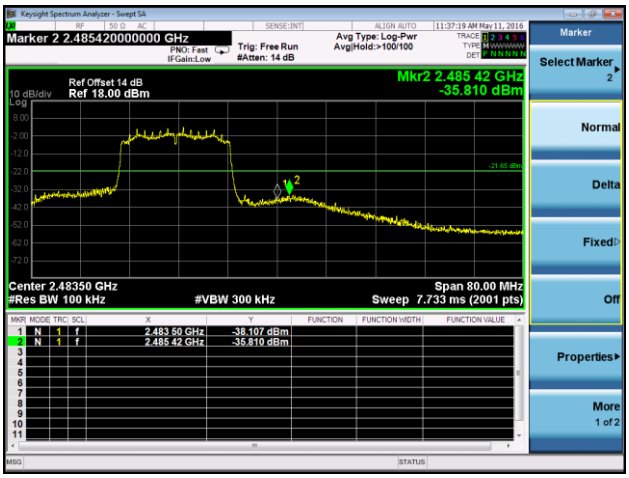
Spurious Emission



Channel 06 (2437MHz)

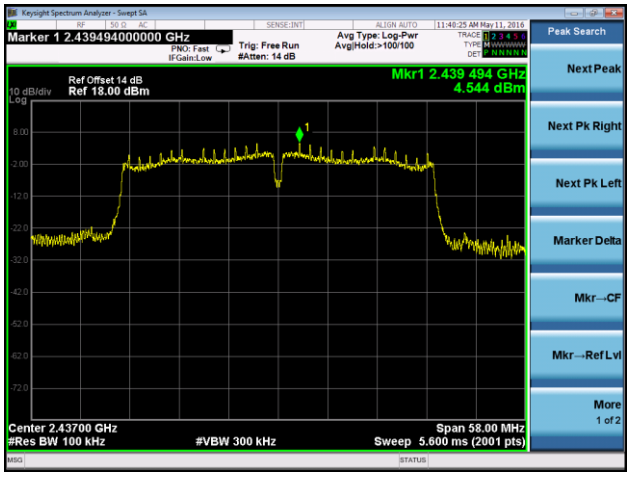
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

802.11n-HT40 Out-of-Band Emissions - Ant 1

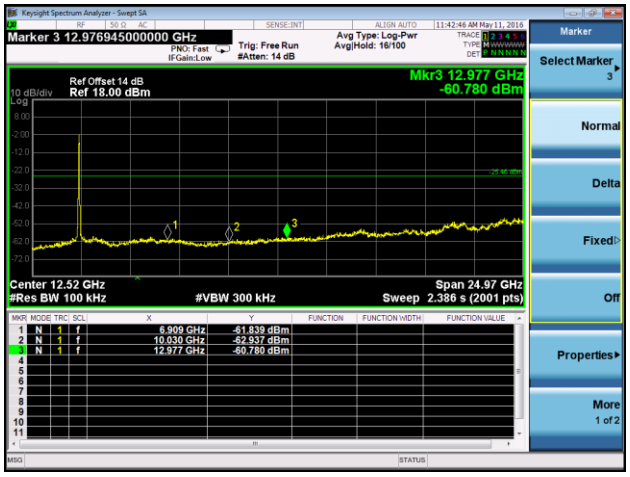
100kHz PSD Reference Level



Channel 03 (2422MHz)

Low Band Edge

Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

Channel 09 (2452MHz)	
High Band Edge	**Spurious Emission**
	

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

100kHz PSD Reference Level

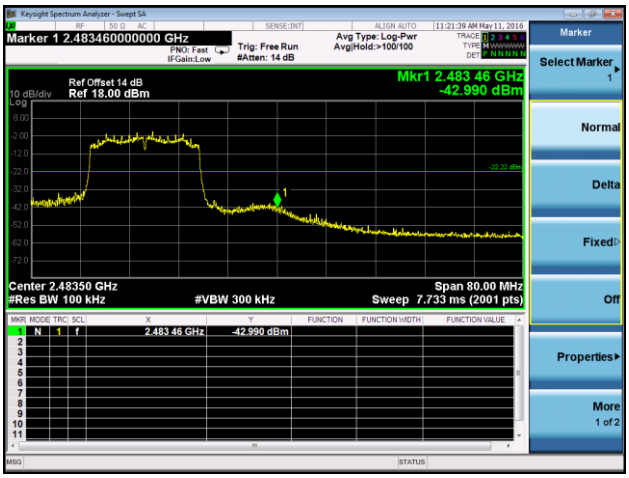
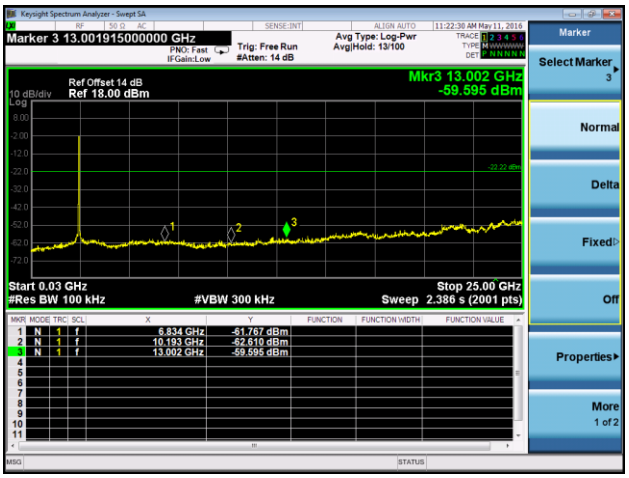
Channel 01 (2412MHz)

Low Band Edge

Spurious Emission

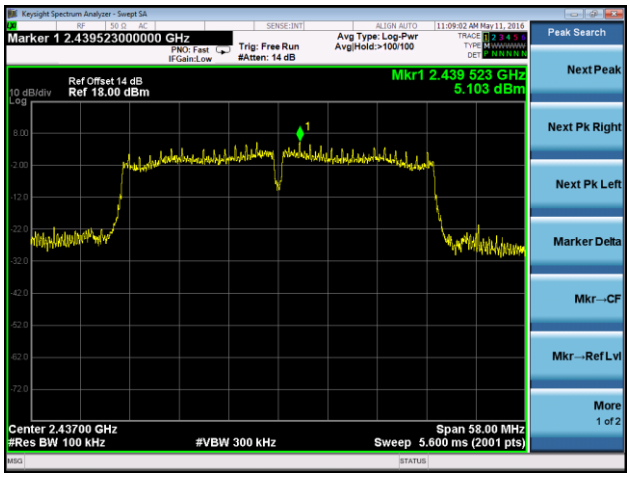
Channel 06 (2437MHz)

Spurious Emission

Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

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

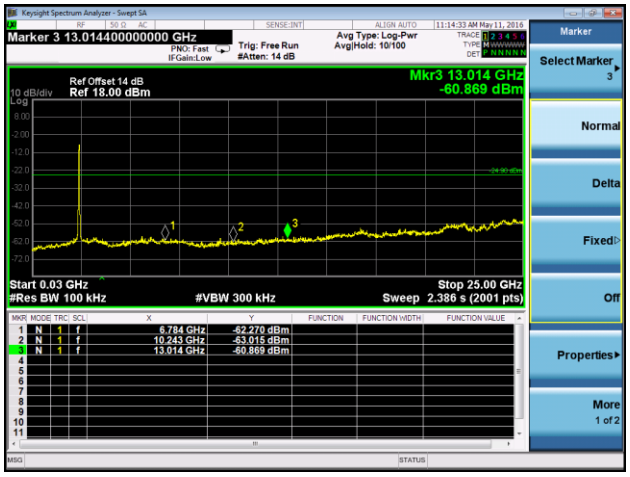
100kHz PSD Reference Level



Channel 03 (2422MHz)

Low Band Edge

Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

Channel 09 (2452MHz)	
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 [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 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

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

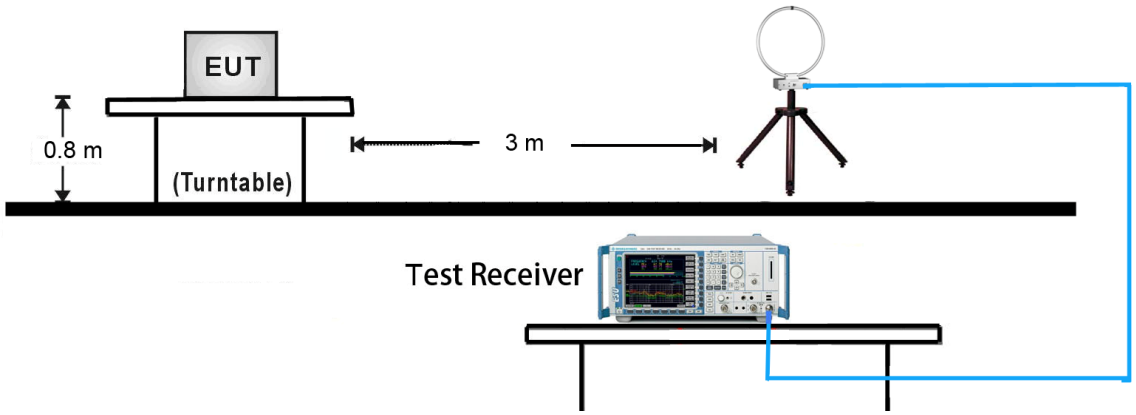
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

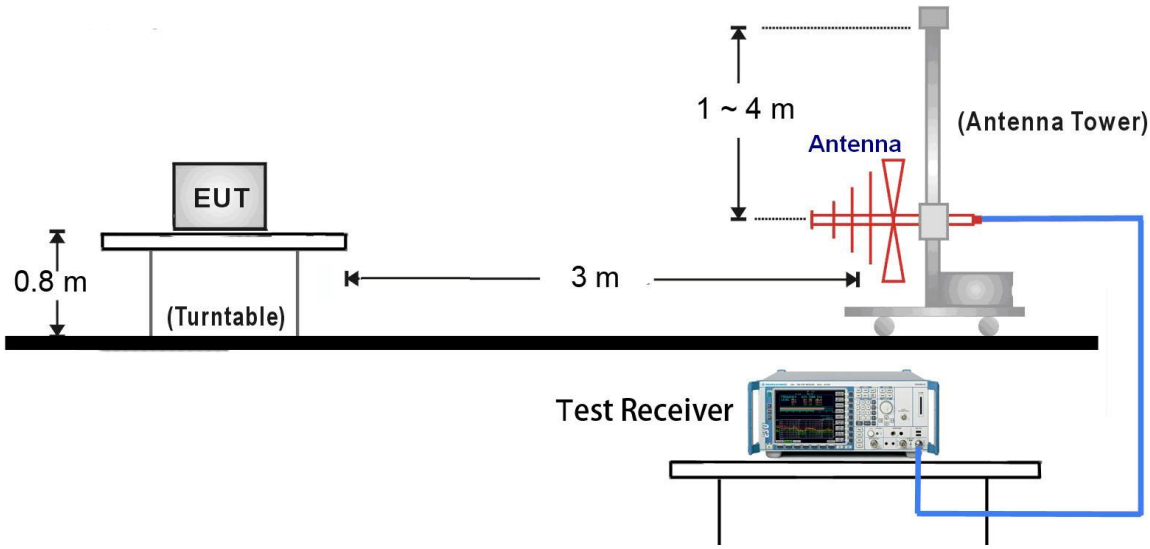
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

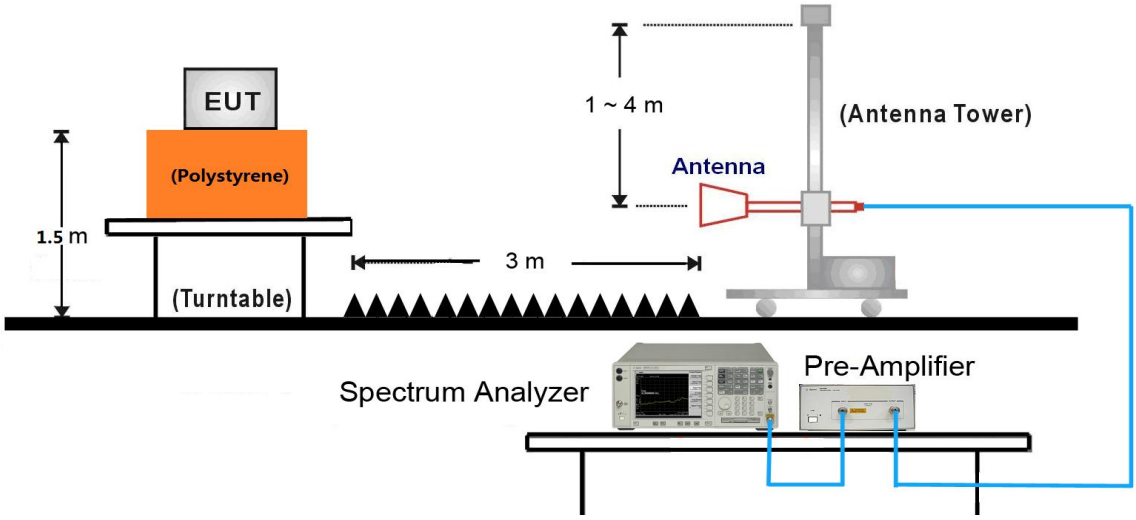
9kHz ~ 30MHz Test Setup:



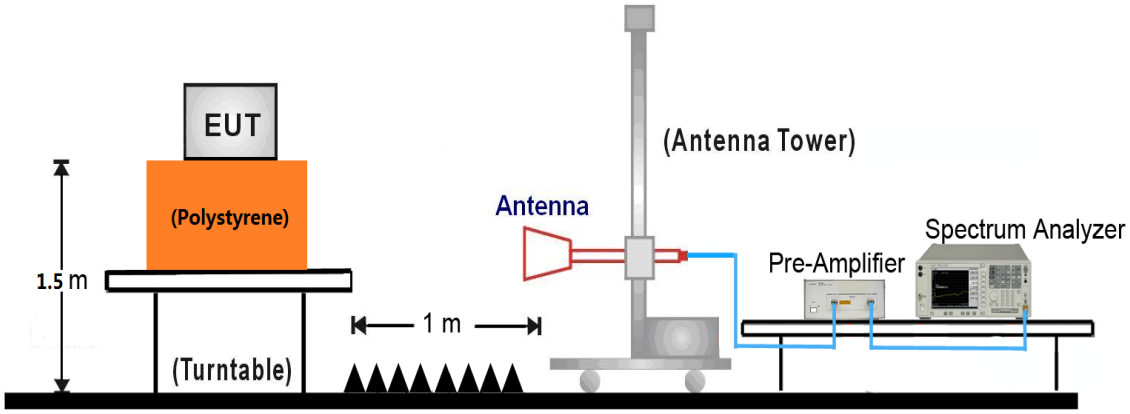
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3890.0	37.2	0.2	37.4	74.0	-36.6	Peak	Horizontal
	4825.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
*	6661.0	35.3	6.0	41.3	79.3	-38.0	Peak	Horizontal
*	9644.5	34.9	11.0	45.9	79.3	-33.4	Peak	Horizontal
	3805.0	37.7	-0.2	37.5	74.0	-36.5	Peak	Vertical
	4825.0	39.5	2.7	42.2	74.0	-31.8	Peak	Vertical
*	6482.5	36.1	5.9	42.0	79.3	-37.3	Peak	Vertical
*	9729.5	34.4	11.1	45.5	79.3	-33.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.3dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	42.3	2.7	45.0	74.0	-29.0	Peak	Horizontal
	7315.5	39.3	8.0	47.3	74.0	-26.7	Peak	Horizontal
*	8743.5	35.7	9.0	44.7	78.3	-33.6	Peak	Horizontal
*	9772.0	33.9	11.4	45.3	78.3	-33.0	Peak	Horizontal
	4876.0	45.6	2.7	48.3	74.0	-25.7	Peak	Vertical
	7307.0	44.0	8.0	52.0	74.0	-22.0	Peak	Vertical
*	8624.0	35.0	8.8	43.8	78.3	-34.5	Peak	Vertical
*	9835.0	32.4	11.6	44.0	78.3	-34.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.3dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4875.0	35.1	2.7	37.8	74.0	-36.2	Peak	Horizontal
	7452.0	35.2	8.1	43.3	74.0	-30.7	Peak	Horizontal
*	9284.0	33.4	10.3	43.7	77.3	-33.6	Peak	Horizontal
*	12935.0	33.7	12.1	45.8	77.3	-31.5	Peak	Horizontal
	4927.0	39.6	2.8	42.4	74.0	-31.6	Peak	Vertical
	7383.5	38.0	7.9	45.9	74.0	-28.1	Peak	Vertical
*	8754.0	33.8	9.0	42.8	77.3	-34.5	Peak	Vertical
*	12963.0	34.9	12.1	47.0	77.3	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.3dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4863.0	35.3	2.7	38.0	74.0	-36.0	Peak	Horizontal
	7585.0	34.7	8.2	42.9	74.0	-31.1	Peak	Horizontal
*	9254.0	34.1	10.2	44.3	78.0	-33.7	Peak	Horizontal
*	12854.0	33.6	11.9	45.5	78.0	-32.5	Peak	Horizontal
	4825.0	35.7	2.7	38.4	74.0	-35.6	Peak	Vertical
	7256.0	34.9	7.9	42.8	74.0	-31.2	Peak	Vertical
*	9636.0	36.2	11.0	47.2	78.0	-30.8	Peak	Vertical
*	12837.0	33.9	11.9	45.8	78.0	-32.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.0dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	39.4	2.7	42.1	74.0	-31.9	Peak	Horizontal
	7307.0	38.2	8.0	46.2	74.0	-27.8	Peak	Horizontal
*	8974.0	34.3	9.0	43.3	83.3	-40.0	Peak	Horizontal
*	12879.0	34.1	12.0	46.1	83.3	-37.2	Peak	Horizontal
	4876.0	42.2	2.7	44.9	74.0	-29.1	Peak	Vertical
	7315.5	42.4	8.0	50.4	74.0	-23.6	Peak	Vertical
*	9619.0	35.6	10.9	46.5	83.3	-36.8	Peak	Vertical
*	12875.0	34.5	12.0	46.5	83.3	-36.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3907.0	37.5	0.2	37.7	74.0	-36.3	Peak	Horizontal
	4825.0	35.9	2.7	38.6	74.0	-35.4	Peak	Horizontal
*	6576.0	36.1	6.0	42.1	78.6	-36.5	Peak	Horizontal
*	9746.5	34.9	11.3	46.2	78.6	-32.4	Peak	Horizontal
	3839.0	37.4	0.0	37.4	74.0	-36.6	Peak	Vertical
	4791.0	36.6	2.7	39.3	74.0	-34.7	Peak	Vertical
*	6482.5	36.3	5.9	42.2	78.6	-36.4	Peak	Vertical
*	9636.0	33.8	11.0	44.8	78.6	-33.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.6dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3745.5	37.7	-0.4	37.3	74.0	-36.7	Peak	Horizontal
	4825.0	36.0	2.7	38.7	74.0	-35.3	Peak	Horizontal
*	6601.5	35.6	6.0	41.6	75.7	-34.1	Peak	Horizontal
*	9636.0	34.7	11.0	45.7	75.7	-30.0	Peak	Horizontal
	3762.5	37.2	-0.3	36.9	74.0	-37.1	Peak	Vertical
	4689.0	36.1	2.3	38.4	74.0	-35.6	Peak	Vertical
*	6431.5	35.4	5.6	41.0	75.7	-34.7	Peak	Vertical
*	9678.5	34.5	10.9	45.4	75.7	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (105.7dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	39.2	2.7	41.9	74.0	-32.1	Peak	Horizontal
	7307.0	37.3	8.0	45.3	74.0	-28.7	Peak	Horizontal
*	8718.0	35.1	9.0	44.1	87.2	-43.1	Peak	Horizontal
*	9602.0	34.8	10.9	45.7	87.2	-41.5	Peak	Horizontal
	4876.0	39.8	2.7	42.5	74.0	-31.5	Peak	Vertical
	7315.5	38.7	8.0	46.7	74.0	-27.3	Peak	Vertical
*	8616.0	34.9	8.8	43.7	87.2	-43.5	Peak	Vertical
*	9899.5	34.1	11.6	45.7	87.2	-41.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.2dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3805.0	37.9	-0.2	37.7	74.0	-36.3	Peak	Horizontal
	4808.0	36.6	2.7	39.3	74.0	-34.7	Peak	Horizontal
*	6440.0	35.5	5.7	41.2	76.5	-35.3	Peak	Horizontal
*	9738.0	34.1	11.2	45.3	76.5	-31.2	Peak	Horizontal
	3813.5	36.9	-0.2	36.7	74.0	-37.3	Peak	Vertical
	4876.0	36.5	2.7	39.2	74.0	-34.8	Peak	Vertical
*	6542.0	35.6	5.9	41.5	76.5	-35.0	Peak	Vertical
*	9627.5	35.2	11.0	46.2	76.5	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (106.5dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3822.0	36.6	-0.1	36.5	74.0	-37.5	Peak	Horizontal
	4757.0	35.9	2.6	38.5	74.0	-35.5	Peak	Horizontal
*	6678.0	36.3	5.9	42.2	74.0	-31.8	Peak	Horizontal
*	9653.0	33.9	11.0	44.9	74.0	-29.1	Peak	Horizontal
	3847.5	37.8	0.0	37.8	74.0	-36.2	Peak	Vertical
	4825.0	35.9	2.7	38.6	74.0	-35.4	Peak	Vertical
*	6610.0	35.2	6.0	41.2	74.0	-32.8	Peak	Vertical
*	9678.5	34.9	10.9	45.8	74.0	-28.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (101.5dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3856.0	36.7	0.1	36.8	74.0	-37.2	Peak	Horizontal
	4774.0	35.8	2.6	38.4	74.0	-35.6	Peak	Horizontal
*	6593.0	35.4	6.0	41.4	79.8	-38.4	Peak	Horizontal
*	9610.5	34.5	10.9	45.4	79.8	-34.4	Peak	Horizontal
	4893.0	38.6	2.7	41.3	74.0	-32.7	Peak	Vertical
	7349.5	39.7	8.0	47.7	74.0	-26.3	Peak	Vertical
*	8905.0	34.0	9.2	43.2	79.8	-36.6	Peak	Vertical
*	9857.0	33.2	11.6	44.8	79.8	-35.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3847.5	36.8	0.0	36.8	74.0	-37.2	Peak	Horizontal
	4833.5	35.0	2.7	37.7	74.0	-36.3	Peak	Horizontal
*	6423.0	35.4	5.6	41.0	74.0	-33.0	Peak	Horizontal
*	9636.0	33.8	11.0	44.8	74.0	-29.2	Peak	Horizontal
	3830.5	36.9	-0.1	36.8	74.0	-37.2	Peak	Vertical
	4782.5	36.9	2.7	39.6	74.0	-34.4	Peak	Vertical
*	6482.5	35.6	5.9	41.5	74.0	-32.5	Peak	Vertical
*	9712.5	34.1	11.0	45.1	74.0	-28.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (102.0dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3830.5	36.7	-0.1	36.6	74.0	-37.4	Peak	Horizontal
	4833.5	35.9	2.7	38.6	74.0	-35.4	Peak	Horizontal
*	6533.5	35.3	5.9	41.2	78.2	-37.0	Peak	Horizontal
*	9738.0	34.7	11.2	45.9	78.2	-32.3	Peak	Horizontal
	3873.0	36.2	0.1	36.3	74.0	-37.7	Peak	Vertical
	4825.0	36.5	2.7	39.2	74.0	-34.8	Peak	Vertical
*	6559.0	36.3	6.0	42.3	78.2	-35.9	Peak	Vertical
*	9763.5	33.7	11.4	45.1	78.2	-33.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.2dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	35.7	2.7	38.4	74.0	-35.6	Peak	Horizontal
	7307.0	40.7	8.0	48.7	74.0	-25.3	Peak	Horizontal
*	8658.5	34.6	8.8	43.4	82.1	-38.7	Peak	Horizontal
*	9678.5	33.7	10.9	44.6	82.1	-37.5	Peak	Horizontal
	4859.0	37.3	2.7	40.0	74.0	-34.0	Peak	Vertical
	7307.0	45.6	8.0	53.6	74.0	-20.4	Peak	Vertical
*	8667.0	35.1	8.9	44.0	82.1	-38.1	Peak	Vertical
*	9899.5	34.2	11.6	45.8	82.1	-36.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.1dBμV/m) or FCC 15.209 which is higher.

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3847.5	37.3	0.0	37.3	74.0	-36.7	Peak	Horizontal
	4833.5	36.5	2.7	39.2	74.0	-34.8	Peak	Horizontal
*	6576.0	35.1	6.0	41.1	75.6	-34.5	Peak	Horizontal
*	9755.0	33.3	11.4	44.7	75.6	-30.9	Peak	Horizontal
	4876.0	35.8	2.7	38.5	74.0	-35.5	Peak	Vertical
	7383.5	37.6	7.9	45.5	74.0	-28.5	Peak	Vertical
*	8692.5	35.3	9.0	44.3	75.6	-31.3	Peak	Vertical
*	9865.5	33.4	11.6	45.0	75.6	-30.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (105.6dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3813.5	37.1	-0.2	36.9	74.0	-37.1	Peak	Horizontal
	4791.0	35.7	2.7	38.4	74.0	-35.6	Peak	Horizontal
*	6695.0	35.5	5.8	41.3	76.3	-35.0	Peak	Horizontal
*	9874.0	33.0	11.6	44.6	76.3	-31.7	Peak	Horizontal
	3881.5	35.4	0.1	35.5	74.0	-38.5	Peak	Vertical
	4842.0	35.7	2.7	38.4	74.0	-35.6	Peak	Vertical
*	6627.0	36.1	6.0	42.1	76.3	-34.2	Peak	Vertical
*	9644.5	34.3	11.0	45.3	76.3	-31.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (106.3dBμV/m) or FCC 15.209 which is higher.

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	35.5	2.7	38.2	74.0	-35.8	Peak	Horizontal
	7324.0	41.3	8.0	49.3	74.0	-24.7	Peak	Horizontal
*	8633.0	35.5	8.8	44.3	81.1	-36.8	Peak	Horizontal
*	9882.5	33.6	11.6	45.2	81.1	-35.9	Peak	Horizontal
	4867.5	37.7	2.7	40.4	74.0	-33.6	Peak	Vertical
	7315.5	45.8	8.0	53.8	74.0	-20.2	Peak	Vertical
*	8760.5	34.4	9.0	43.4	81.1	-37.7	Peak	Vertical
*	9882.5	33.8	11.6	45.4	81.1	-35.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.1dBμV/m) or FCC 15.209 which is higher.

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

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