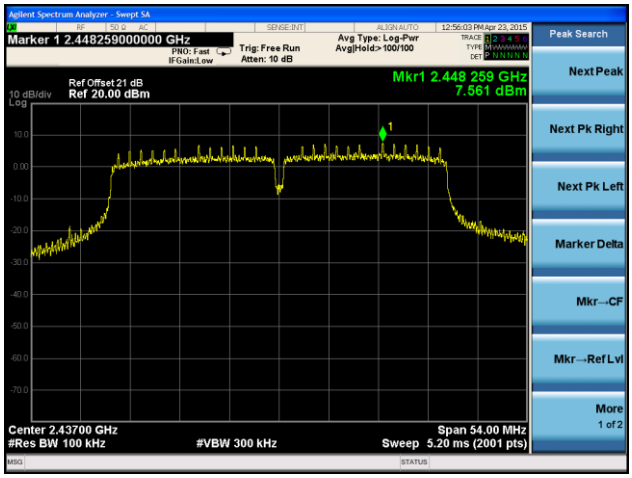
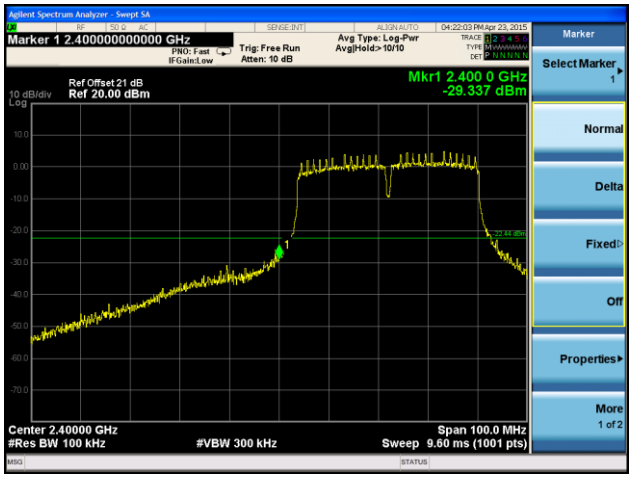
802.11n-HT40 Out-of-Band Emissions - Ant 0

100kHz PSD reference Level

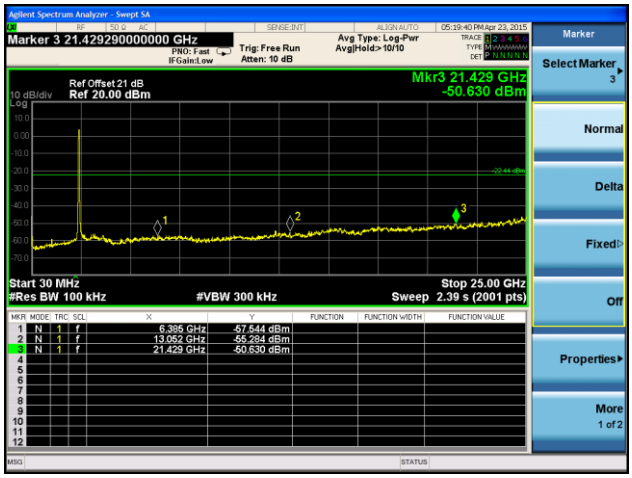


Channel 03 (2422MHz)

Low Band Edge

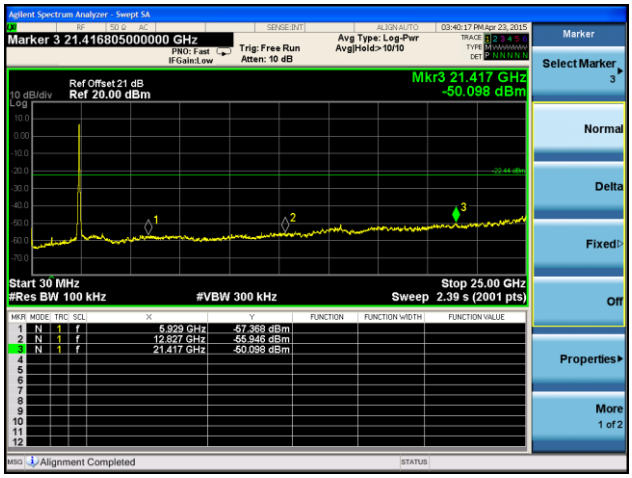


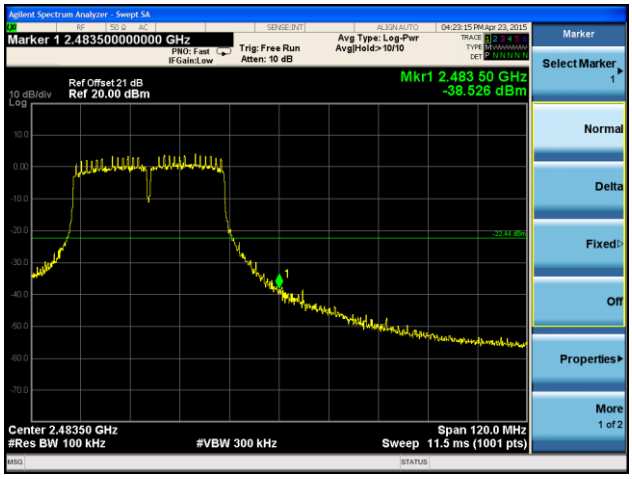
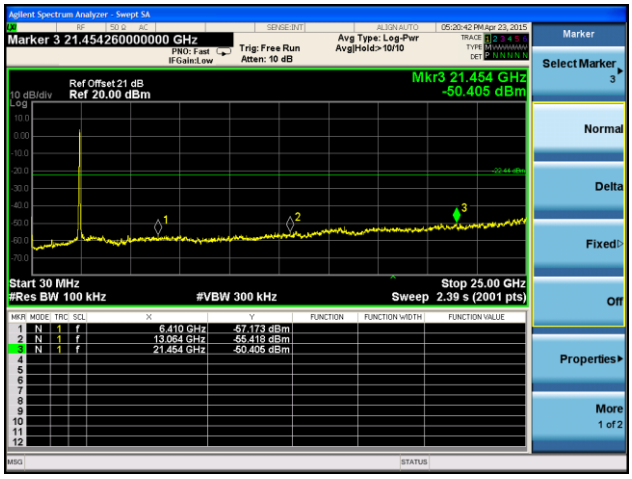
Spurious Emission



Channel 06 (2437MHz)

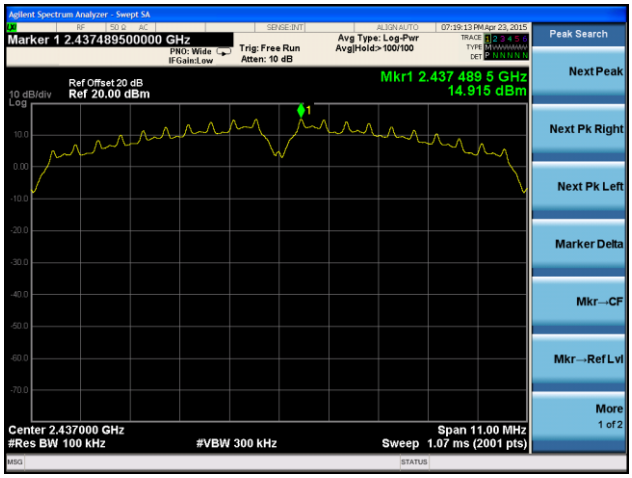
Spurious Emission



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

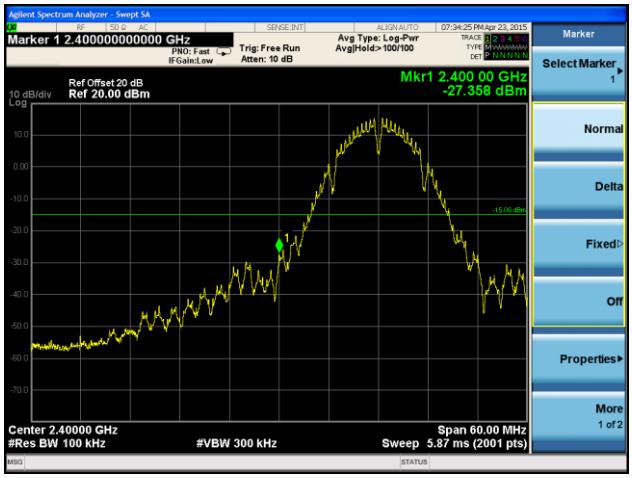
802.11b Out-of-Band Emissions - Ant 1

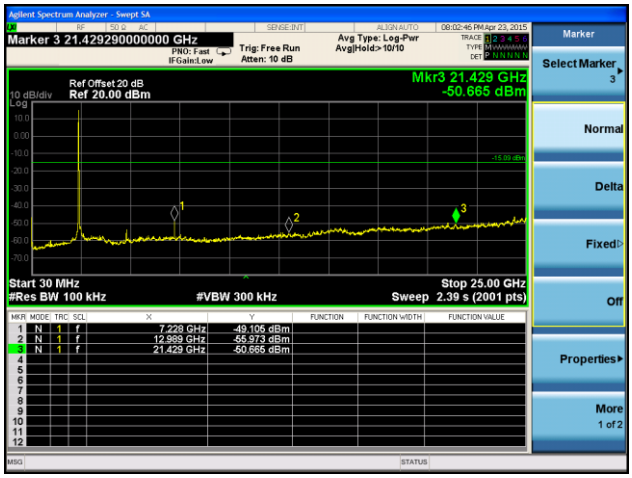
100kHz PSD reference Level



Channel 01 (2412MHz)

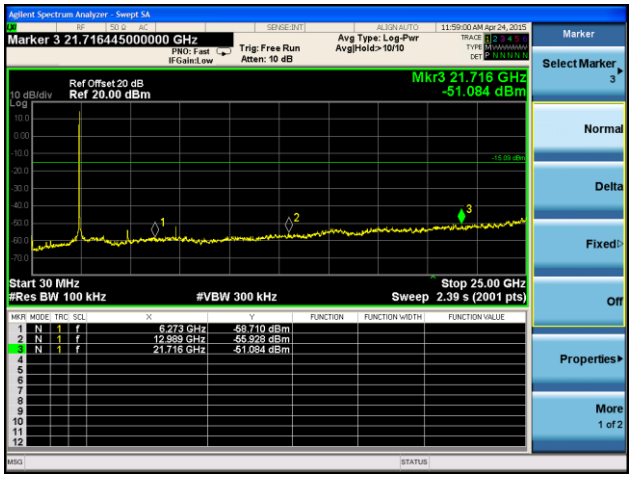
Low Band Edge	Spurious Emission

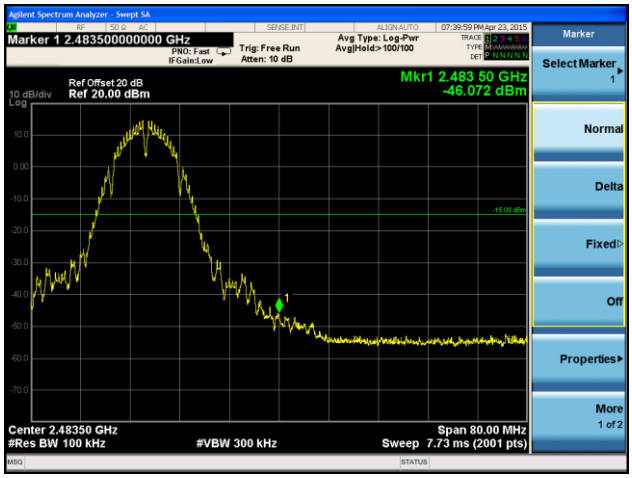
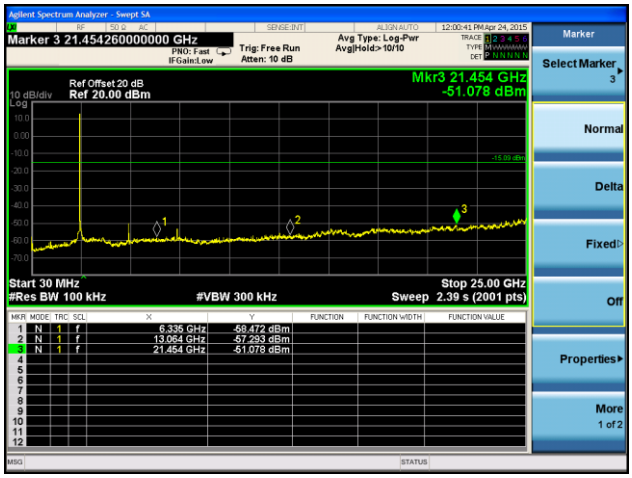
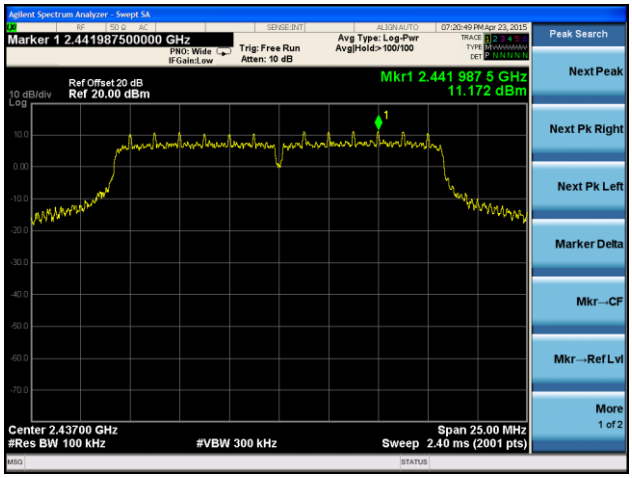
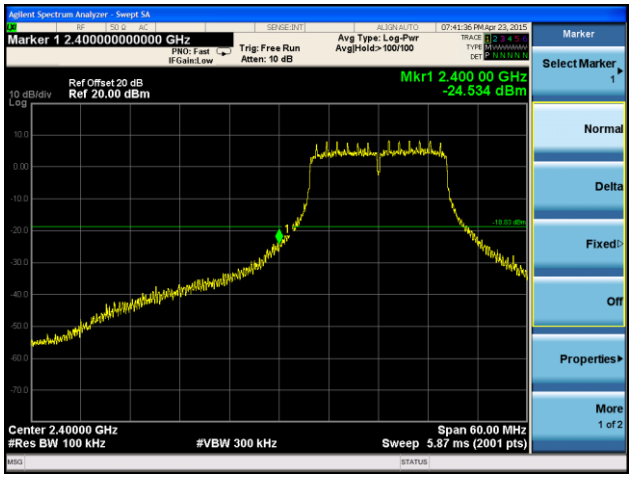
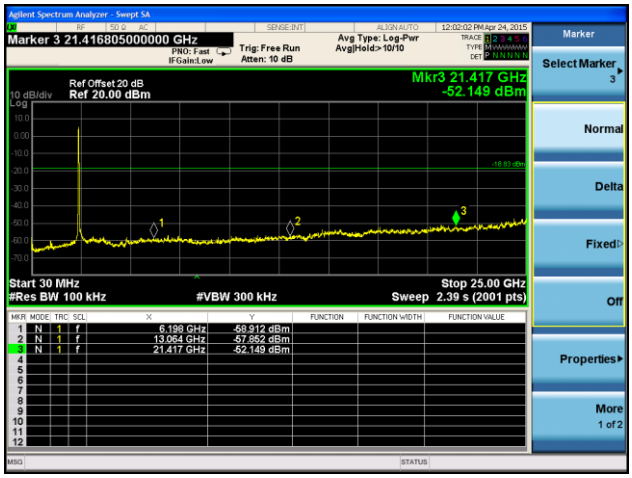




Channel 06 (2437MHz)

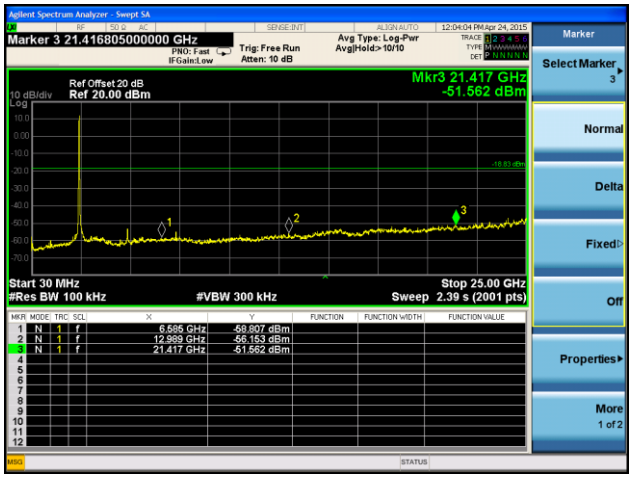
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	
802.11g Out-of-Band Emissions - Ant 1	
100kHz PSD reference Level	
	
Channel 01 (2412MHz)	
Low Band Edge	**Spurious Emission**
	

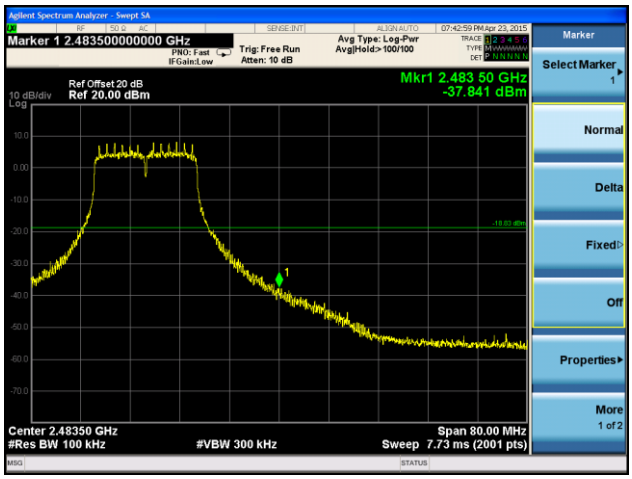
Channel 06 (2437MHz)

Spurious Emission

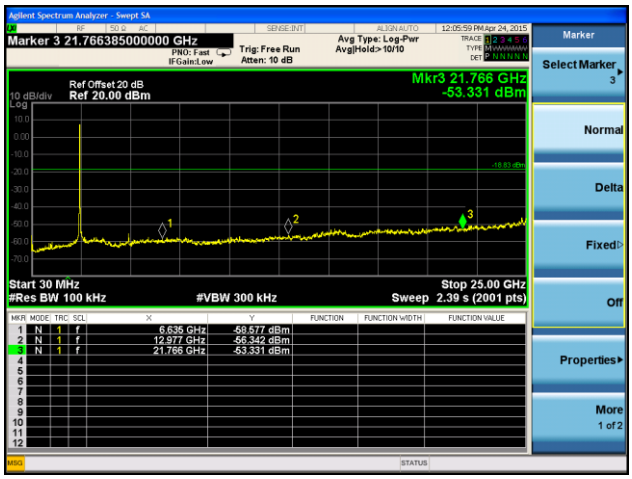


Channel 11 (2462MHz)

High Band Edge

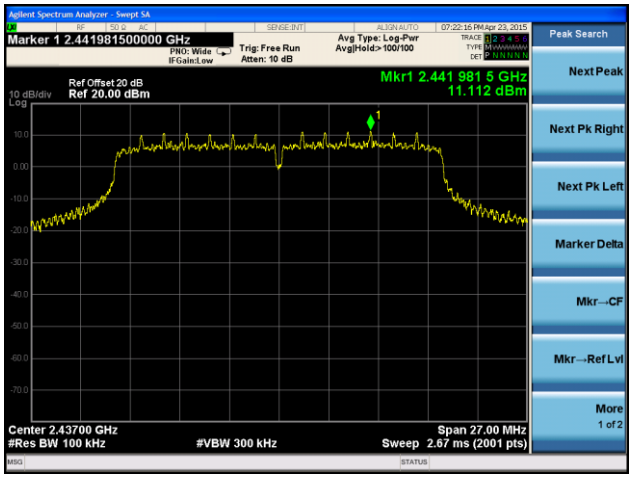


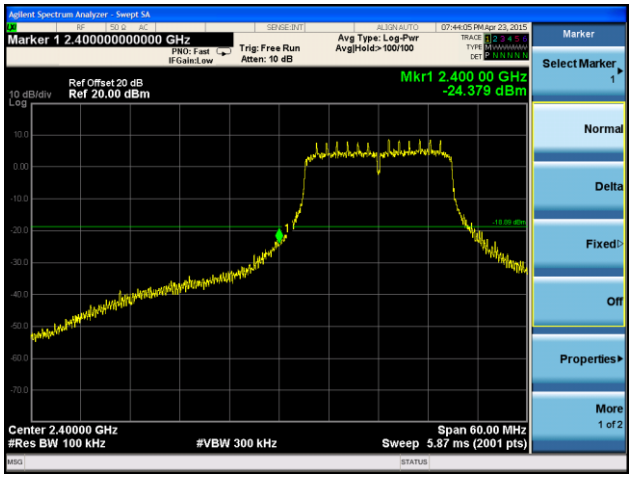
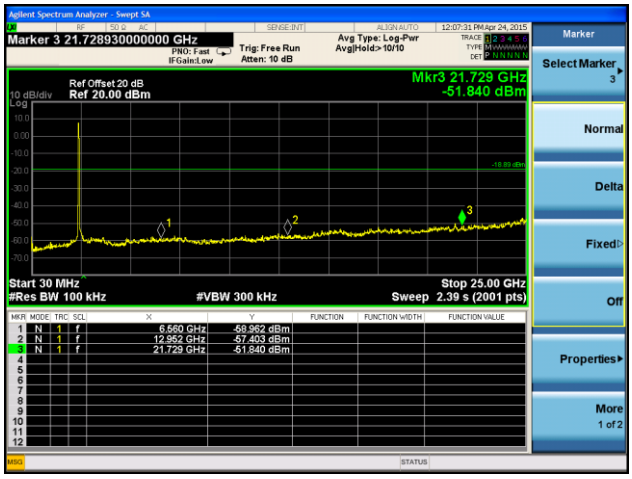
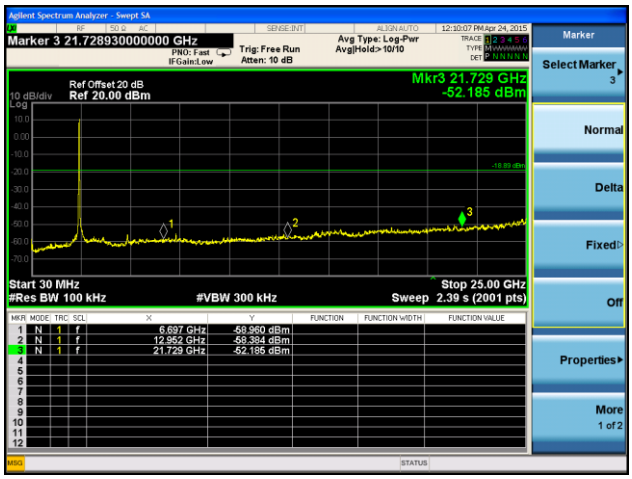
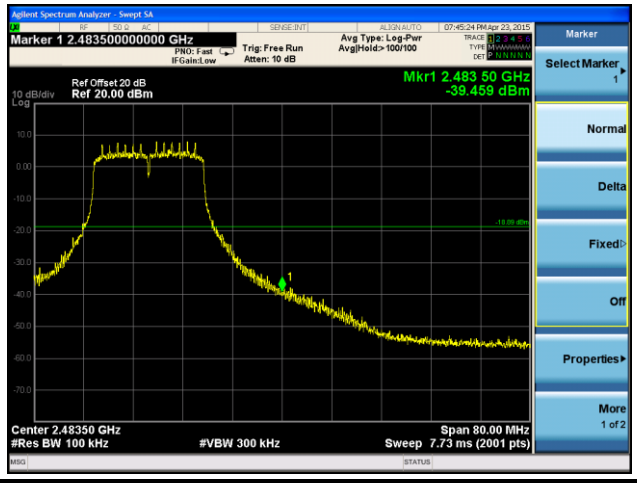
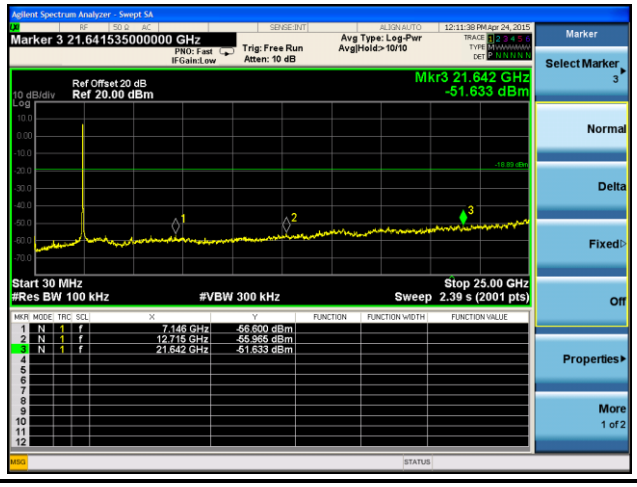
Spurious Emission



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

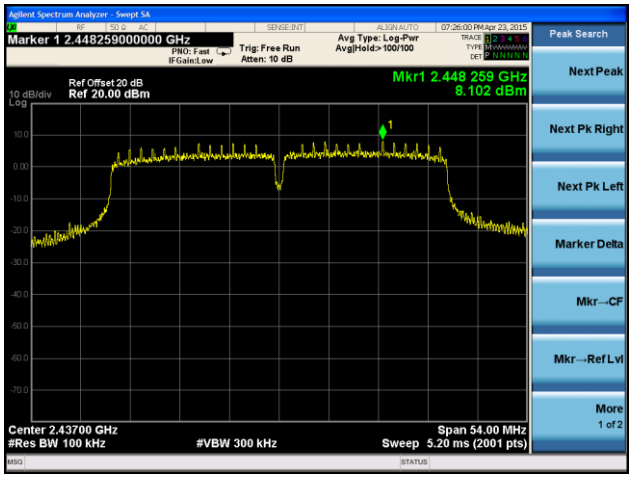
100kHz PSD reference Level



Channel 01 (2412MHz)	
Low Band Edge	**Spurious Emission**
	
Channel 06 (2437MHz)	
Spurious Emission	
	
Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

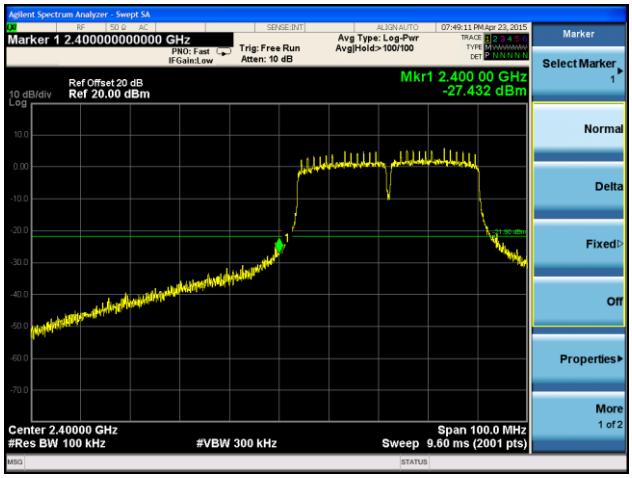
802.11n-HT40 Out-of-Band Emissions - Ant 1

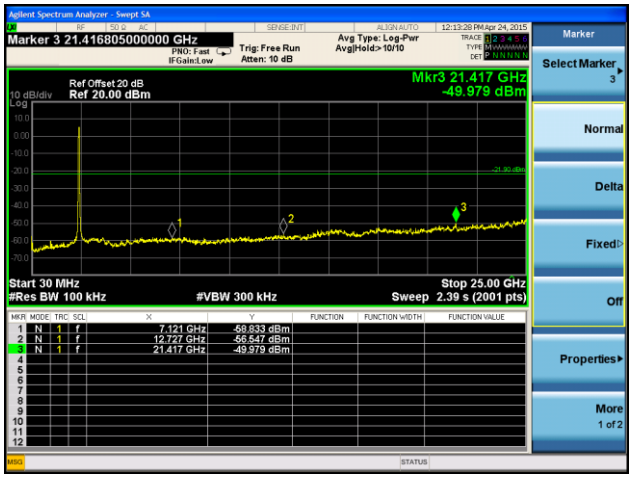
100kHz PSD reference Level



Channel 03 (2422MHz)

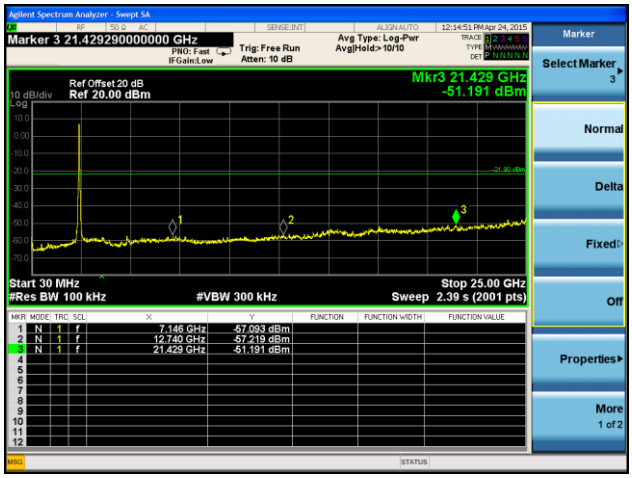
Low Band Edge	Spurious Emission

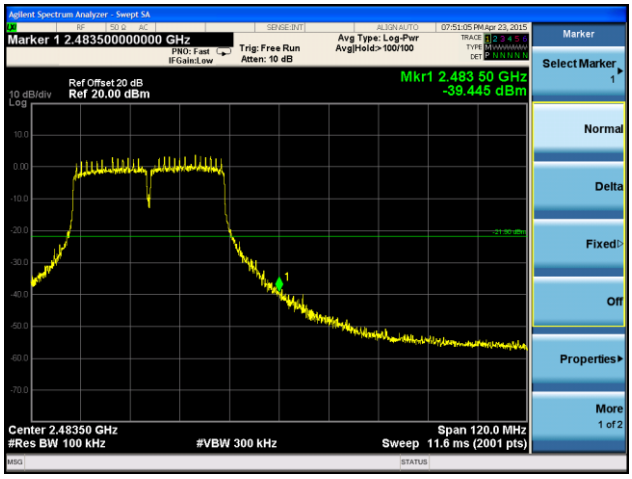
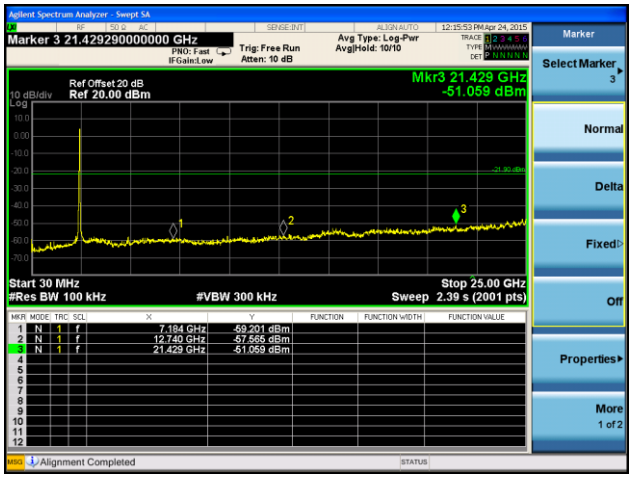




Channel 06 (2437MHz)

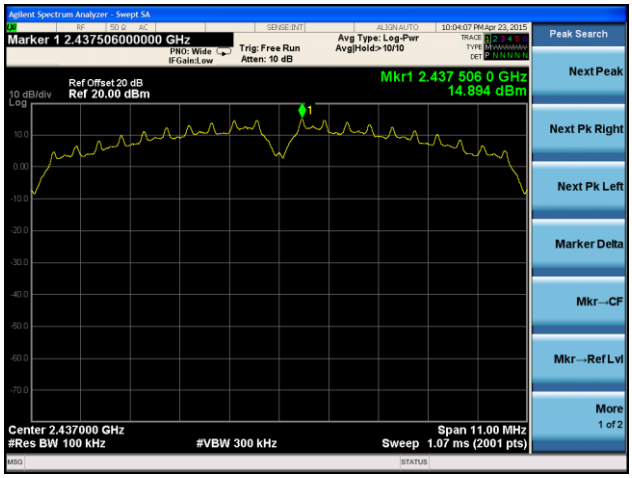
Spurious Emission	



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

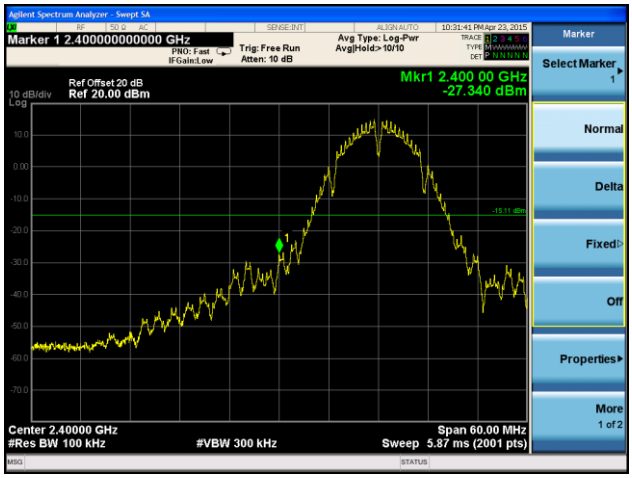
802.11b Out-of-Band Emissions - Ant 2

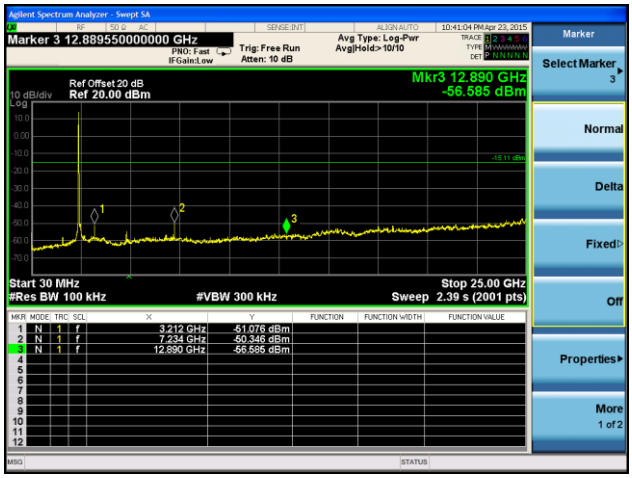
100kHz PSD reference Level



Channel 01 (2412MHz)

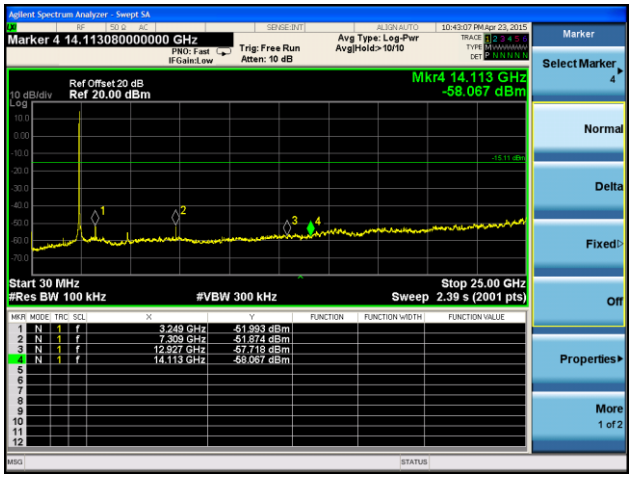
Low Band Edge	Spurious Emission

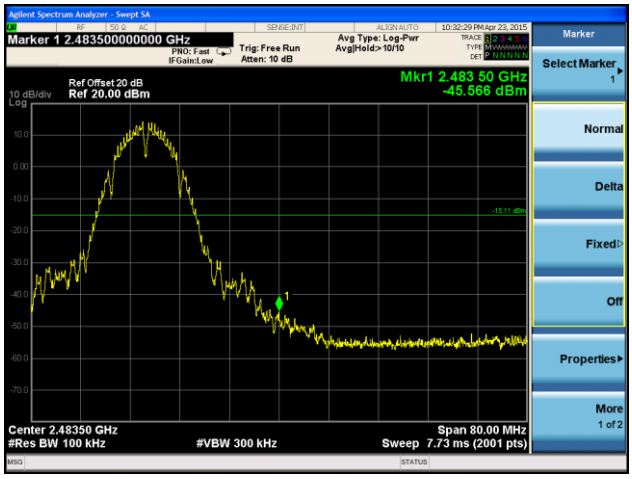
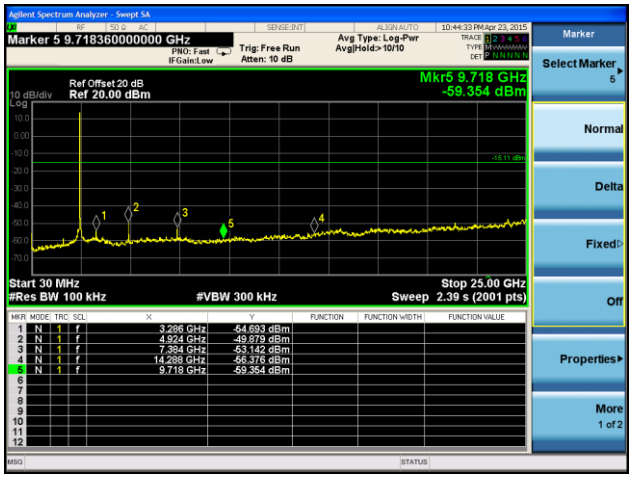
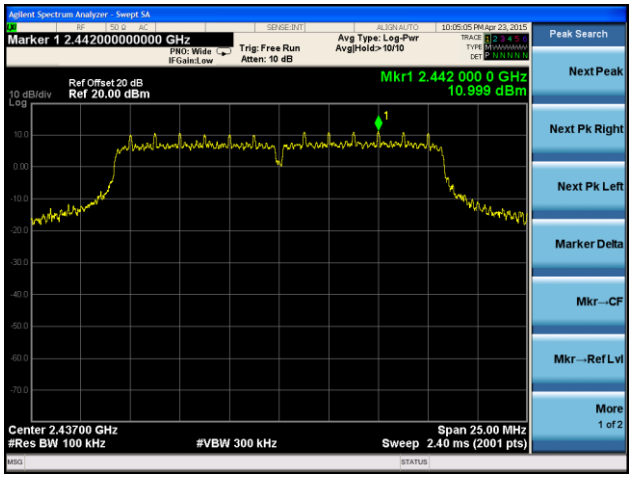
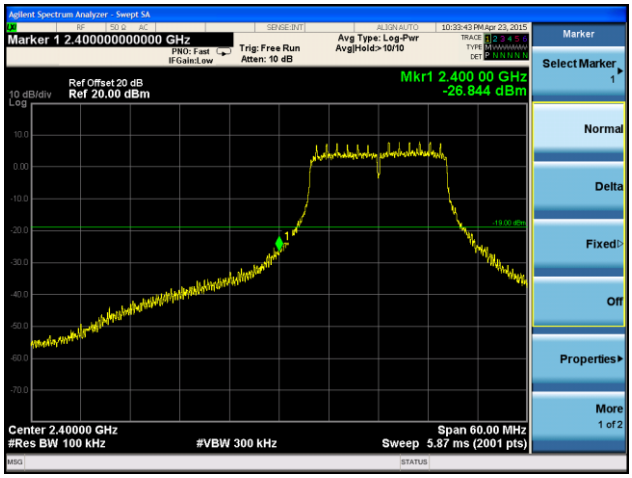
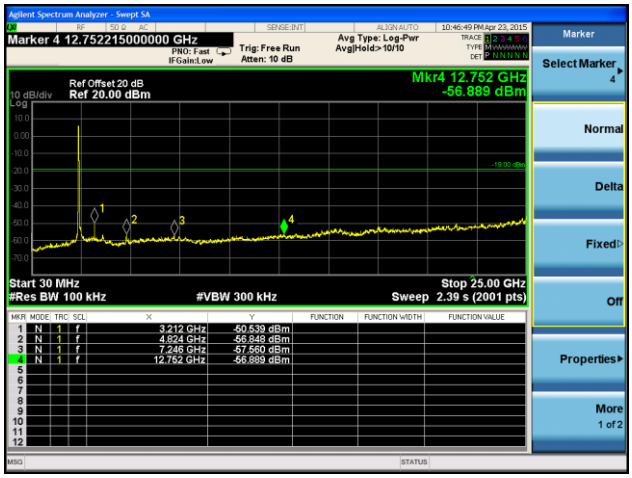




Channel 06 (2437MHz)

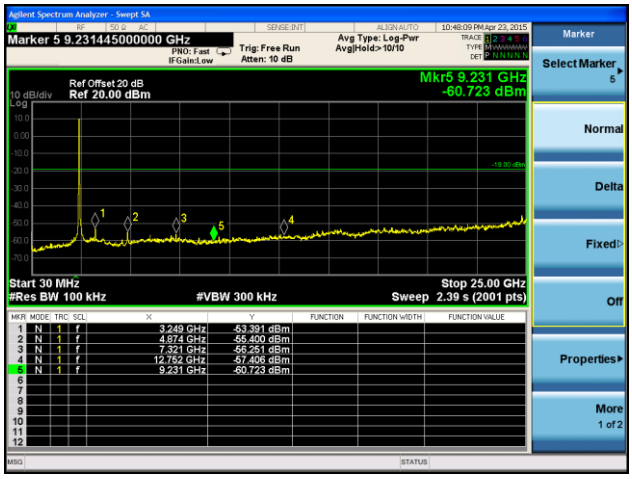
Spurious Emission



Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	
802.11g Out-of-Band Emissions - Ant 2	
100kHz PSD reference Level	
	
Channel 01 (2412MHz)	
Low Band Edge	**Spurious Emission**
	

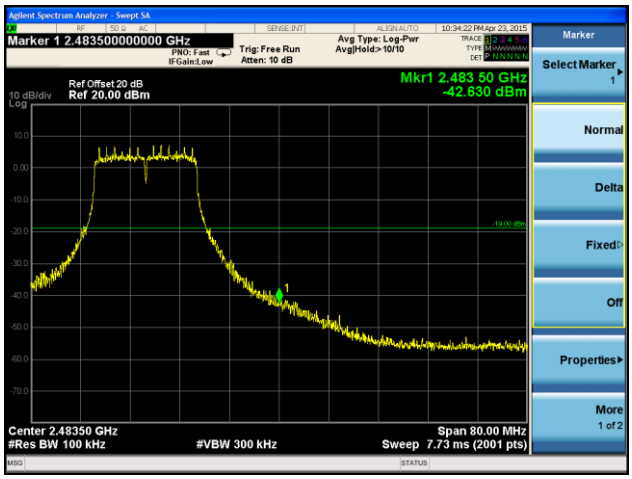
Channel 06 (2437MHz)

Spurious Emission

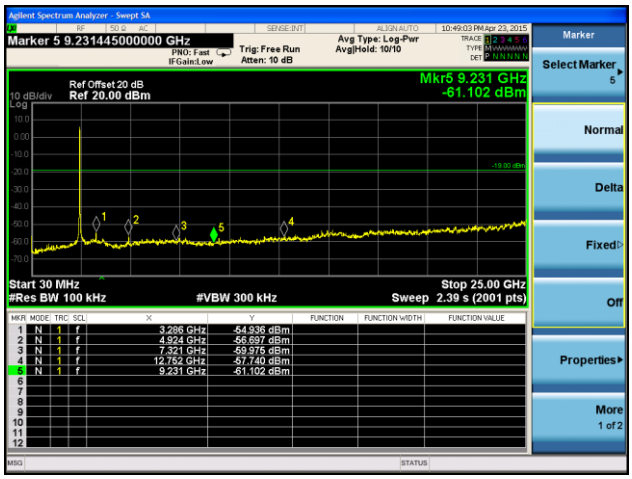


Channel 11 (2462MHz)

High Band Edge

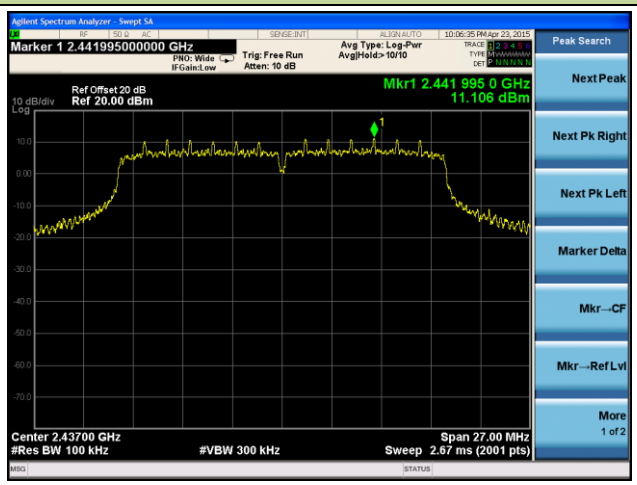


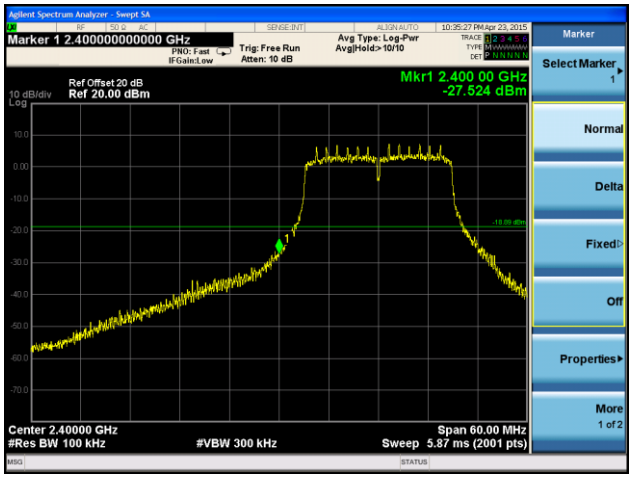
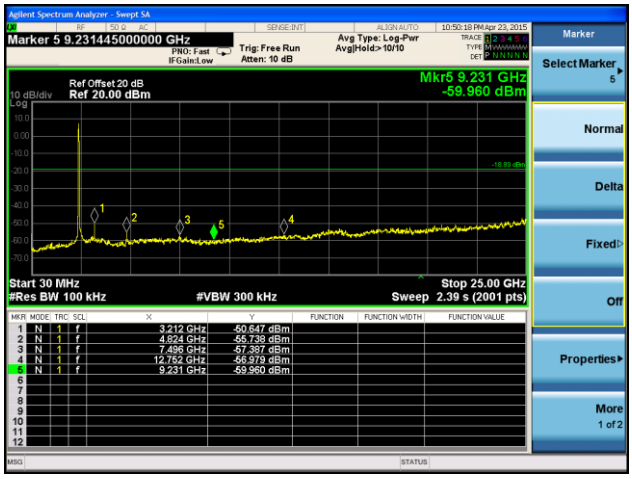
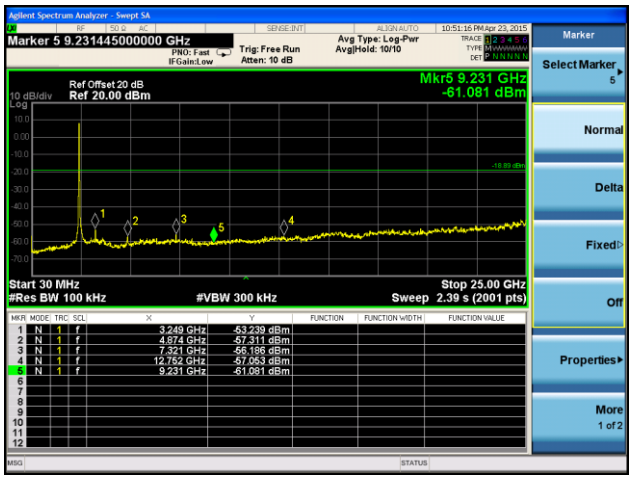
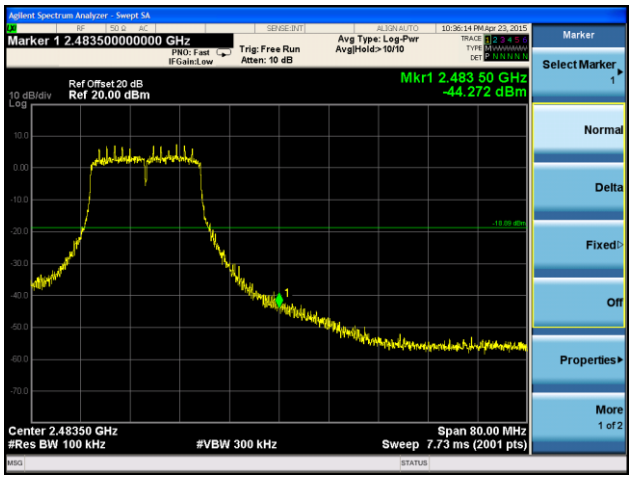
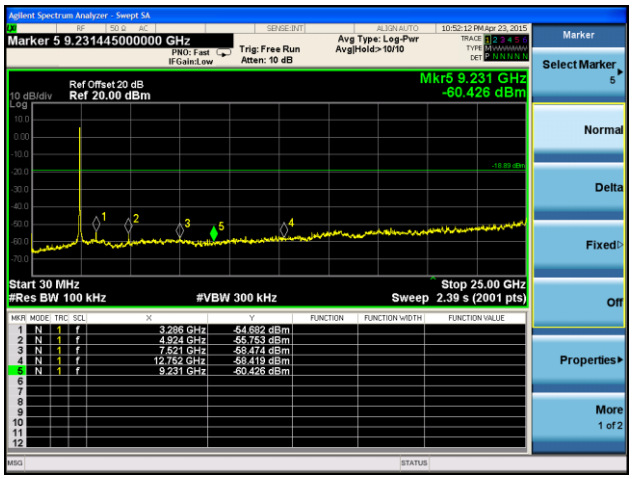
Spurious Emission



802.11n-HT20 Out-of-Band Emissions - Ant 2

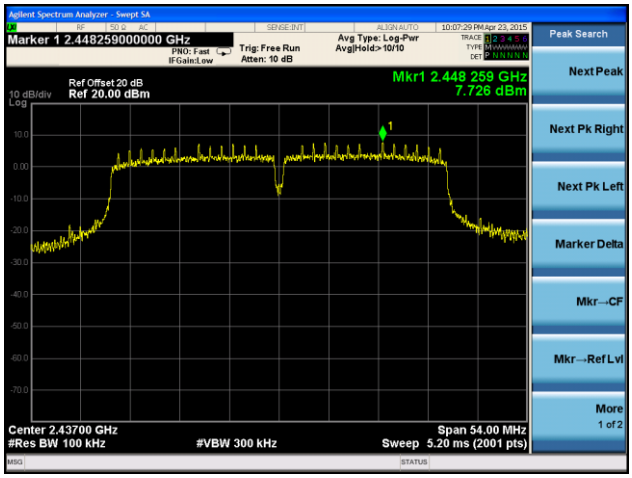
100kHz PSD reference Level



Channel 01 (2412MHz)	
Low Band Edge	**Spurious Emission**
	
Channel 06 (2437MHz)	
Spurious Emission	
	
Channel 11 (2462MHz)	
High Band Edge	**Spurious Emission**
	

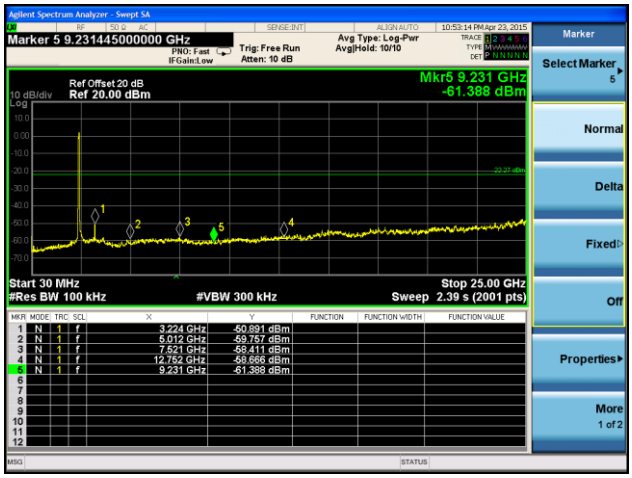
802.11n-HT40 Out-of-Band Emissions - Ant 2

100kHz PSD reference Level



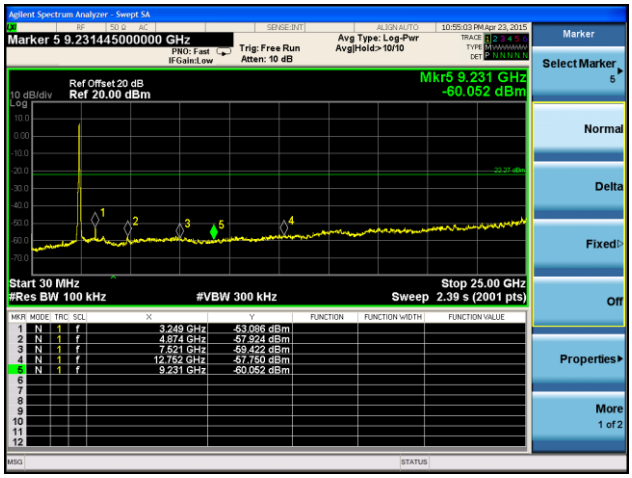
Channel 03 (2422MHz)

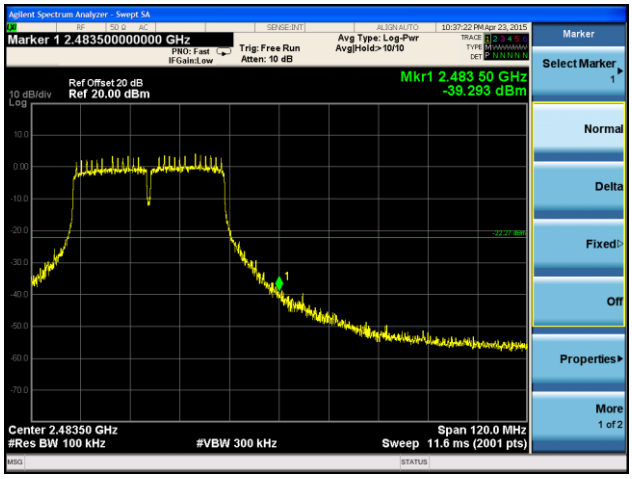
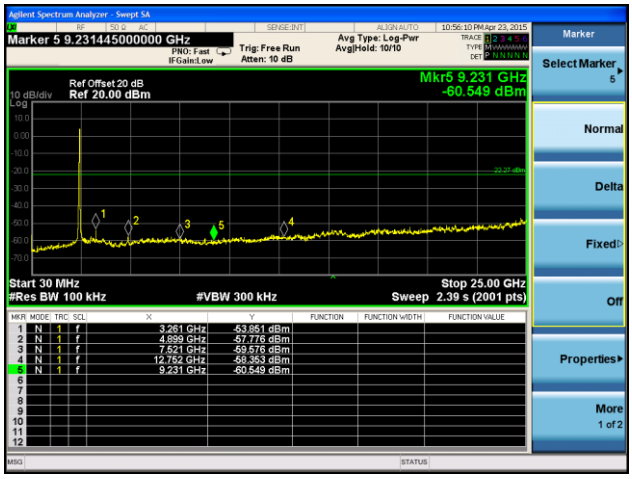
Low Band Edge	Spurious Emission



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 D01v03r02 – Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r02 – Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r02 – Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r02

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

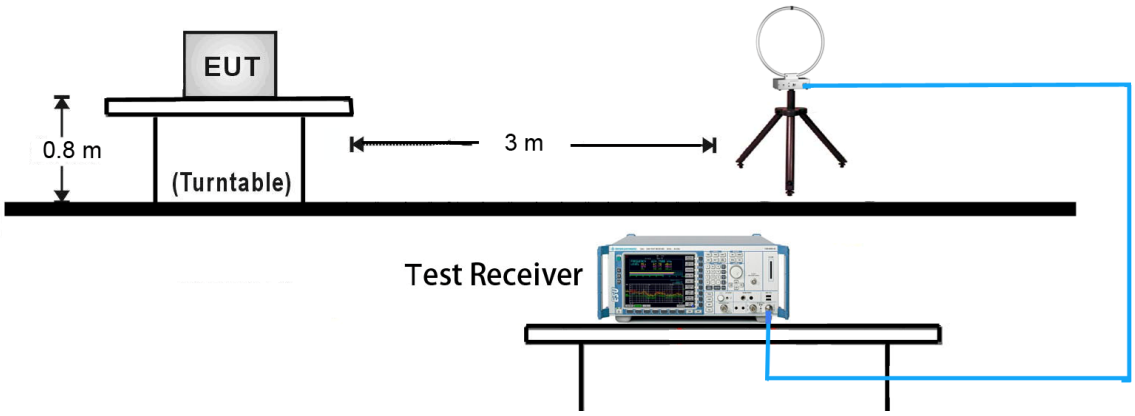
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r02

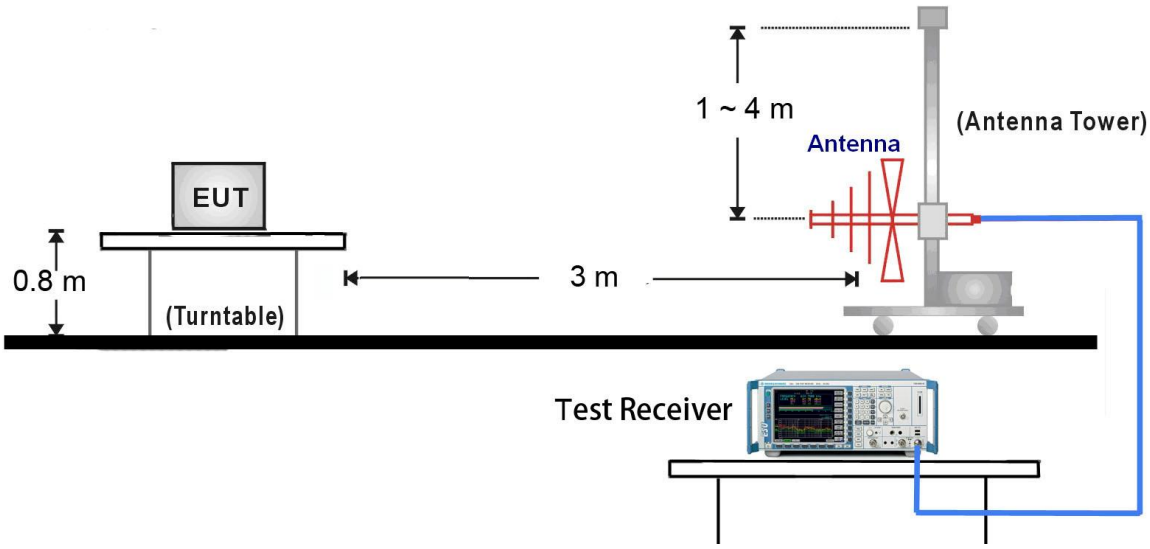
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

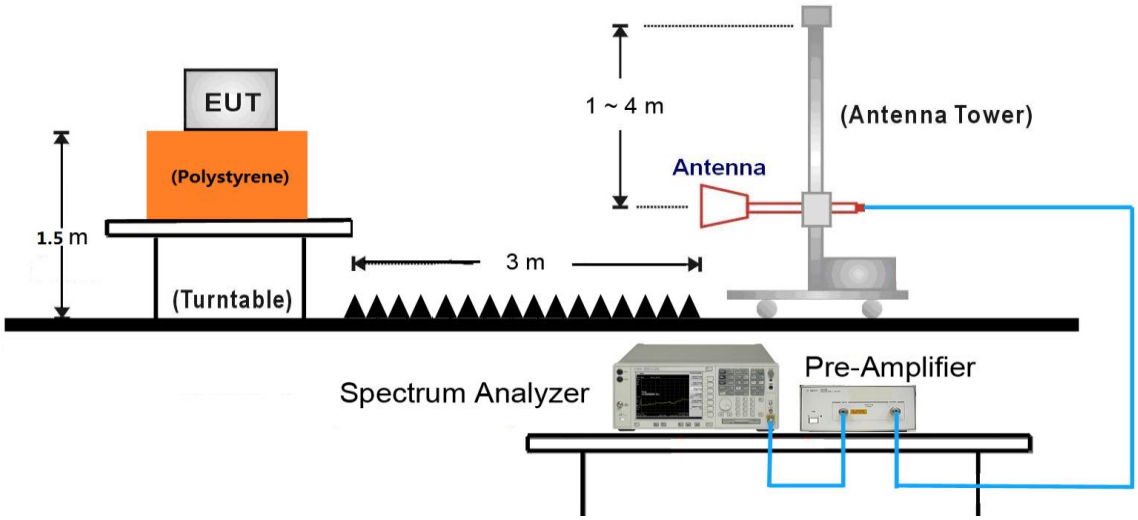
9kHz ~ 30MHz Test Setup:



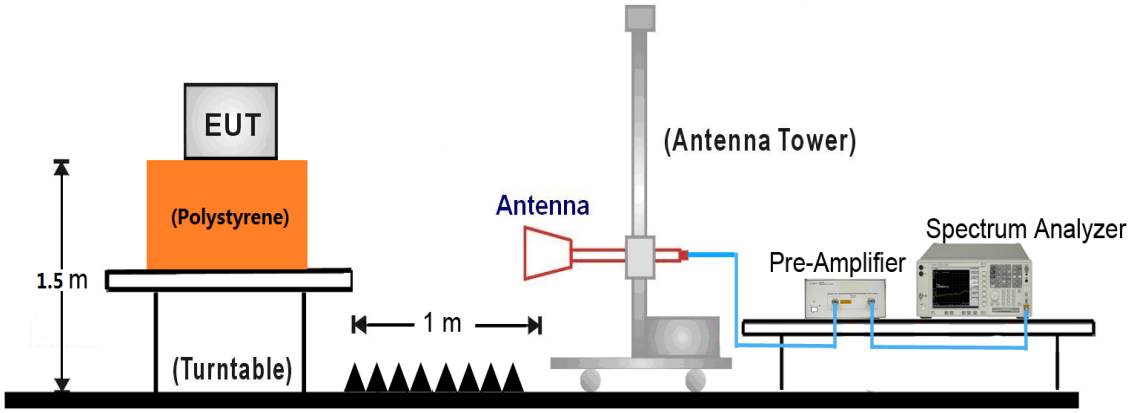
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Dipole Antenna 1#

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
	4824.1	50.3	2.7	53.0	54.0	-1.0	Average	Horizontal
	4824.6	61.6	2.7	64.3	74.0	-9.7	Peak	Horizontal
*	6025.5	35.9	4.2	40.1	79.9	-39.8	Peak	Horizontal
	8457.2	36.3	8.2	44.5	74.0	-29.5	Peak	Horizontal
*	9675.7	34.5	10.9	45.4	79.9	-34.5	Peak	Horizontal
	4824.6	48.0	2.7	50.7	74.0	-23.3	Peak	Vertical
*	6472.9	36.4	5.8	42.2	79.9	-37.7	Peak	Vertical
	8258.7	36.3	8.1	44.4	74.0	-29.6	Peak	Vertical
*	9647.3	34.4	11.0	45.4	79.9	-34.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (109.9dBμV/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 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
	4873.8	49.8	2.7	52.5	54.0	-1.5	Average	Horizontal
	4876.4	57.9	2.7	60.6	74.0	-13.4	Peak	Horizontal
*	6482.6	36.2	5.9	42.1	83.5	-41.4	Peak	Horizontal
	8268.9	35.7	8.1	43.8	74.0	-30.2	Peak	Horizontal
*	9642.4	34.3	11.0	45.3	83.5	-38.2	Peak	Horizontal
	4876.0	50.4	2.7	53.1	74.0	-20.9	Peak	Vertical
*	5674.6	36.3	3.7	40.0	83.5	-43.5	Peak	Vertical
	7307.5	41.5	8.0	49.5	74.0	-24.5	Peak	Vertical
*	9746.2	37.3	11.3	48.6	83.5	-34.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc 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:	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
	4924.3	50.3	2.8	53.1	54.0	-0.9	Average	Horizontal
	4926.5	56.7	2.8	59.5	74.0	-14.5	Peak	Horizontal
*	6241.7	35.4	4.7	40.1	81.0	-40.9	Peak	Horizontal
	8163.2	35.5	8.4	43.9	74.0	-30.1	Peak	Horizontal
*	9614.3	34.1	10.9	45.0	81.0	-36.0	Peak	Horizontal
	4927.5	49.7	2.8	52.5	74.0	-21.5	Peak	Vertical
*	6352.4	36.0	5.2	41.2	81.0	-39.8	Peak	Vertical
	7383.9	39.1	7.9	47.0	74.0	-27.0	Peak	Vertical
*	9257.0	35.5	10.3	45.8	81.0	-35.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.0dBμV/m).

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

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

Test Mode:	802.11g 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
	4825.2	44.6	2.7	47.3	54.0	-6.7	Average	Horizontal
	4833.8	58.3	2.7	61.0	74.0	-13.0	Peak	Horizontal
*	6241.9	35.5	4.7	40.2	79.8	-39.6	Peak	Horizontal
	8247.3	35.6	8.1	43.7	74.0	-30.3	Peak	Horizontal
*	9653.7	34.3	11.0	45.3	79.8	-34.5	Peak	Horizontal
	4824.8	38.3	2.7	41.0	54.0	-13.0	Average	Vertical
	4833.5	52.2	2.7	54.9	74.0	-19.1	Peak	Vertical
*	7247.3	42.8	7.9	50.7	79.8	-29.1	Peak	Vertical
	9153.7	34.6	9.8	44.4	74.0	-29.6	Peak	Vertical
*	9661.2	37.7	11.0	48.7	79.8	-31.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.0dBμV/m).

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

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

Test Mode:	802.11g 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
	4867.3	43.3	2.7	46.0	74.0	-28.0	Peak	Horizontal
*	6024.7	35.8	4.2	40.0	86.6	-46.6	Peak	Horizontal
	8163.4	35.7	8.4	44.1	74.0	-29.9	Peak	Horizontal
*	9654.1	34.1	11.0	45.1	86.6	-41.5	Peak	Horizontal
	4876.2	44.6	2.7	47.3	74.0	-26.7	Peak	Vertical
*	5524.3	36.6	3.5	40.1	86.6	-46.5	Peak	Vertical
	7324.0	45.3	8.0	53.3	74.0	-20.7	Peak	Vertical
*	9763.8	43.0	11.4	54.4	86.6	-32.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/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:	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
	4918.9	51.0	2.8	53.8	74.0	-20.2	Peak	Horizontal
*	6042.4	35.4	4.1	39.5	80.4	-40.9	Peak	Horizontal
	8153.6	35.4	8.4	43.8	74.0	-30.2	Peak	Horizontal
*	9642.4	34.2	11.0	45.2	80.4	-35.2	Peak	Horizontal
	4926.7	48.1	2.8	50.9	74.0	-23.1	Peak	Vertical
*	6055.2	35.2	4.1	39.3	80.4	-41.1	Peak	Vertical
	8263.7	35.9	8.1	44.0	74.0	-30.0	Peak	Vertical
*	9658.6	34.2	11.0	45.2	80.4	-35.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4833.6	41.2	2.7	43.9	74.0	-30.1	Peak	Horizontal
*	6025.1	35.5	4.2	39.7	78.8	-39.1	Peak	Horizontal
	8143.2	35.7	8.5	44.2	74.0	-29.8	Peak	Horizontal
*	9659.8	34.8	11.0	45.8	78.8	-33.0	Peak	Horizontal
	4833.5	41.5	2.7	44.2	74.0	-29.8	Peak	Vertical
*	5326.2	35.2	3.1	38.3	78.8	-40.5	Peak	Vertical
	7256.4	40.8	7.9	48.7	74.0	-25.3	Peak	Vertical
*	9645.2	34.6	11.0	45.6	78.8	-33.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.4dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.2	40.7	2.7	43.4	74.0	-30.6	Peak	Horizontal
*	6025.3	35.5	4.2	39.7	87.1	-47.4	Peak	Horizontal
	8265.3	35.2	8.1	43.3	74.0	-30.7	Peak	Horizontal
*	9654.8	33.8	11.0	44.8	87.1	-42.3	Peak	Horizontal
	4867.1	43.0	2.7	45.7	74.0	-28.3	Peak	Vertical
*	6023.5	35.4	4.2	39.6	87.1	-47.5	Peak	Vertical
	7324.5	45.3	8.0	53.3	74.0	-20.7	Peak	Vertical
*	9763.3	39.9	11.4	51.3	87.1	-35.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.1dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.1	48.2	2.8	51.0	74.0	-23.0	Peak	Horizontal
*	5526.6	35.7	3.5	39.2	80.5	-41.3	Peak	Horizontal
	8147.8	35.4	8.5	43.9	74.0	-30.1	Peak	Horizontal
*	9653.4	33.6	11.0	44.6	80.5	-35.9	Peak	Horizontal
	4927.5	48.6	2.8	51.4	74.0	-22.6	Peak	Vertical
*	5748.9	35.5	3.9	39.4	80.5	-41.1	Peak	Vertical
	7375.5	40.8	7.9	48.7	74.0	-25.3	Peak	Vertical
*	9653.6	34.0	11.0	45.0	80.5	-35.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.8dBμV/m).

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

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

Test Mode:	802.11n-HT40 Ant 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
	4872.2	35.7	2.7	38.4	74.0	-35.6	Peak	Horizontal
*	6022.3	35.9	4.2	40.1	76.6	-36.5	Peak	Horizontal
	8165.7	35.5	8.4	43.9	74.0	-30.1	Peak	Horizontal
*	9626.5	34.2	11.0	45.2	76.6	-31.4	Peak	Horizontal
	4876.8	35.7	2.7	38.4	74.0	-35.6	Peak	Vertical
*	6025.0	35.6	4.2	39.8	76.6	-36.8	Peak	Vertical
	8265.0	35.4	8.1	43.5	74.0	-30.5	Peak	Vertical
*	9654.5	33.8	11.0	44.8	76.6	-31.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.6dBμV/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	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
	4901.4	42.3	2.7	45.0	74.0	-29.0	Peak	Horizontal
*	6024.4	35.5	4.2	39.7	84.8	-45.1	Peak	Horizontal
	8274.1	35.3	8.1	43.4	74.0	-30.6	Peak	Horizontal
*	9653.6	35.2	11.0	46.2	84.8	-38.6	Peak	Horizontal
	4875.7	42.2	2.7	44.9	74.0	-29.1	Peak	Vertical
*	6024.5	36.1	4.2	40.3	84.8	-44.5	Peak	Vertical
	7281.7	42.0	8.0	50.0	74.0	-24.0	Peak	Vertical
*	9754.5	38.7	11.4	50.1	84.8	-34.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.1dBμV/m).

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

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

Test Mode:	802.11n-HT40 Ant 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
	4927.5	41.0	2.8	43.8	74.0	-30.2	Peak	Horizontal
*	6016.0	35.0	4.2	39.2	76.2	-37.0	Peak	Horizontal
	8152.8	35.8	8.4	44.2	74.0	-29.8	Peak	Horizontal
*	9647.0	34.1	11.0	45.1	76.2	-31.1	Peak	Horizontal
	4901.5	40.7	2.7	43.4	74.0	-30.6	Peak	Vertical
*	6243.5	35.8	4.7	40.5	76.2	-35.7	Peak	Vertical
	8242.0	37.0	8.1	45.1	74.0	-28.9	Peak	Vertical
*	9648.0	34.7	11.0	45.7	76.2	-30.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/m).

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

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

Test Mode:	802.11n-HT20 Ant 0 + 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
	4833.4	2.7	38.6	41.3	74.0	-32.7	Peak	Horizontal
*	5682.1	3.7	35.8	39.5	82.5	-43.0	Peak	Horizontal
	8142.7	8.5	36.3	44.8	74.0	-29.2	Peak	Horizontal
*	9657.6	11.0	34.9	45.9	82.5	-36.6	Peak	Horizontal
	4833.4	2.7	48.4	51.1	74.0	-22.9	Peak	Vertical
*	6024.9	4.2	35.3	39.5	82.5	-43.0	Peak	Vertical
	8145.5	8.5	36.0	44.5	74.0	-29.5	Peak	Vertical
*	9647.3	11.0	34.7	45.7	82.5	-36.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.6	2.7	48.8	51.5	74.0	-22.5	Peak	Horizontal
*	5684.4	3.7	35.8	39.5	97.5	-58.0	Peak	Horizontal
	8145.7	8.5	36.2	44.7	74.0	-29.3	Peak	Horizontal
*	9653.3	11.0	34.4	45.4	97.5	-52.1	Peak	Horizontal
	4874.8	2.7	49.1	51.8	54.0	-2.2	Average	Vertical
	4875.5	2.7	61.1	63.8	74.0	-10.2	Peak	Vertical
*	6025.1	4.2	35.5	39.7	97.5	-57.8	Peak	Vertical
	7289.6	8.0	39.3	47.3	74.0	-26.7	Peak	Vertical
*	9738.4	11.2	38.4	49.6	97.5	-47.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (127.5dBμV/m).

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

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

Test Mode:	802.11n-HT20 Ant 0 + 1	Test Site:	AC1
Test Channel:	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
	4953.1	2.9	36.2	39.1	74.0	-34.9	Peak	Horizontal
*	6054.2	4.1	35.6	39.7	82.9	-43.2	Peak	Horizontal
	8148.6	8.5	37.0	45.5	74.0	-28.5	Peak	Horizontal
*	9626.0	10.9	35.0	45.9	82.9	-37.0	Peak	Horizontal
	4926.8	2.8	43.5	46.3	74.0	-27.7	Peak	Vertical
*	6025.3	4.2	35.2	39.4	82.9	-43.5	Peak	Vertical
	8146.9	8.5	35.8	44.3	74.0	-29.7	Peak	Vertical
*	9653.1	11.0	33.9	44.9	82.9	-38.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.9dBμV/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:	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
	4842.5	2.7	38.1	40.8	74.0	-33.2	Peak	Horizontal
*	6025.1	4.2	35.4	39.6	78.1	-38.5	Peak	Horizontal
	8154.0	8.4	36.7	45.1	74.0	-28.9	Peak	Horizontal
*	9647.1	11.0	34.9	45.9	78.1	-32.2	Peak	Horizontal
	4841.9	2.7	48.3	51.0	74.0	-23.0	Peak	Vertical
*	6014.8	4.2	35.4	39.6	78.1	-38.5	Peak	Vertical
	8147.4	8.5	36.6	45.1	74.0	-28.9	Peak	Vertical
*	9655.3	11.0	34.4	45.4	78.1	-32.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.1dBμV/m).

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

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

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

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.1	2.7	46.5	49.2	74.0	-24.8	Peak	Horizontal
*	6048.7	4.1	35.7	39.8	86.3	-46.5	Peak	Horizontal
	8248.3	8.1	35.8	43.9	74.0	-30.1	Peak	Horizontal
*	9653.7	11.0	33.9	44.9	86.3	-41.4	Peak	Horizontal
	4875.6	2.7	45.3	48.0	54.0	-6.0	Average	Vertical
	4875.5	2.7	60.2	62.9	74.0	-11.1	Peak	Vertical
*	6043.4	4.1	36.0	40.1	86.3	-46.2	Peak	Vertical
	8247.4	8.1	35.5	43.6	74.0	-30.4	Peak	Vertical
*	9653.8	11.0	33.9	44.9	86.3	-41.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.3dBμV/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:	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
	4731.2	2.5	38.5	41.0	74.0	-33.0	Peak	Horizontal
*	6024.0	4.2	35.2	39.4	78.0	-38.6	Peak	Horizontal
	8247.4	8.1	36.1	44.2	74.0	-29.8	Peak	Horizontal
*	9623.8	10.9	34.3	45.2	78.0	-32.8	Peak	Horizontal
	4909.8	2.7	40.6	43.3	74.0	-30.7	Peak	Vertical
*	6215.4	4.7	35.5	40.2	78.0	-37.8	Peak	Vertical
	8235.7	8.2	35.7	43.9	74.0	-30.1	Peak	Vertical
*	9653.7	11.0	34.5	45.5	78.0	-32.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.0dBμV/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 + 2	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
	4824.7	0.7	52.3	53.0	74.0	-21.0	Peak	Horizontal
*	6523.9	5.9	36.8	42.7	84.2	-41.5	Peak	Horizontal
	8267.7	8.1	36.8	44.9	74.0	-29.1	Peak	Horizontal
*	9675.5	10.9	35.6	46.5	84.2	-37.7	Peak	Horizontal
	4825.1	2.7	47.5	50.2	74.0	-23.8	Peak	Vertical
*	6425.6	5.6	35.8	41.4	84.2	-42.8	Peak	Vertical
	8247.4	8.1	34.8	42.9	74.0	-31.1	Peak	Vertical
*	9673.7	10.9	34.0	44.9	84.2	-39.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc 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:	802.11n-HT20 Ant 0 + 1 + 2	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
	4873.6	2.7	50.2	52.9	54.0	-1.1	Average	Horizontal
	4876.1	2.7	65.0	67.7	74.0	-6.3	Peak	Horizontal
*	6142.9	4.5	35.0	39.5	93.2	-53.7	Peak	Horizontal
	8253.6	8.1	35.0	43.1	74.0	-30.9	Peak	Horizontal
*	9635.8	11.0	33.4	44.4	93.2	-48.8	Peak	Horizontal
	4873.0	2.7	48.6	51.3	54.0	-2.7	Average	Vertical
	4876.0	2.7	63.8	66.5	74.0	-7.5	Peak	Vertical
*	6046.3	4.1	35.1	39.2	93.2	-54.0	Peak	Vertical
	8247.9	8.1	35.4	43.5	74.0	-30.5	Peak	Vertical
*	9653.7	11.0	33.8	44.8	93.2	-48.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (123.2dBμV/m).

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

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

Test Mode:	802.11n-HT20 Ant 0 + 1 + 2	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
	4918.6	2.8	50.1	52.9	74.0	-21.1	Peak	Horizontal
*	6024.1	4.2	35.0	39.2	85.5	-46.3	Peak	Horizontal
	8176.8	8.4	35.6	44.0	74.0	-30.0	Peak	Horizontal
*	9654.3	11.0	34.0	45.0	85.5	-40.5	Peak	Horizontal
	4918.2	2.8	43.6	46.4	74.0	-27.6	Peak	Vertical
*	6022.6	4.2	34.8	39.0	85.5	-46.5	Peak	Vertical
	7685.5	8.0	35.7	43.7	74.0	-30.3	Peak	Vertical
*	9652.8	11.0	33.0	44.0	85.5	-41.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.5dBμV/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 + 2	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
	4841.9	2.7	44.0	46.7	74.0	-27.3	Peak	Horizontal
*	6253.1	4.7	34.8	39.5	80.0	-40.5	Peak	Horizontal
	8295.7	8.0	34.8	42.8	74.0	-31.2	Peak	Horizontal
*	9653.1	11.0	34.3	45.3	80.0	-34.7	Peak	Horizontal
	4841.5	2.7	46.2	48.9	74.0	-25.1	Peak	Vertical
*	6049.1	4.1	34.9	39.0	80.0	-41.0	Peak	Vertical
	8235.6	8.2	34.6	42.8	74.0	-31.2	Peak	Vertical
*	9653.4	11.0	33.5	44.5	80.0	-35.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.0dBμV/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)