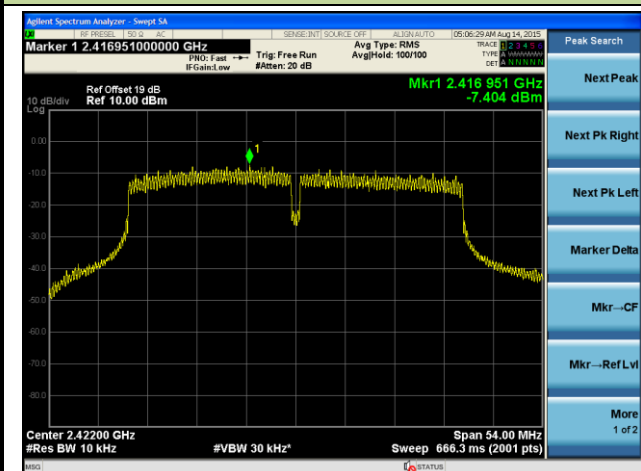
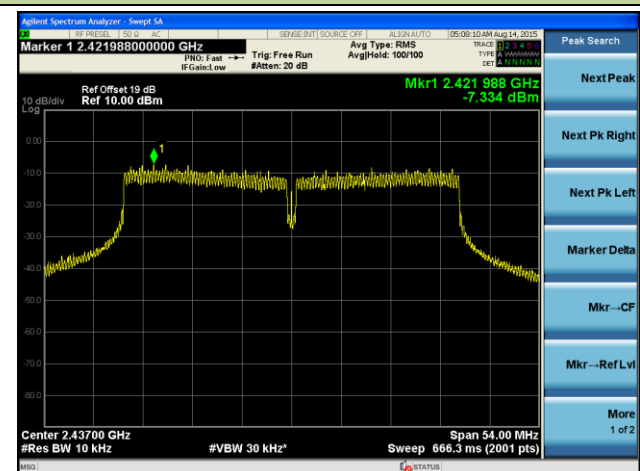


802.11n-HT40 PSD - Ant 2 / Ant 1 + 2

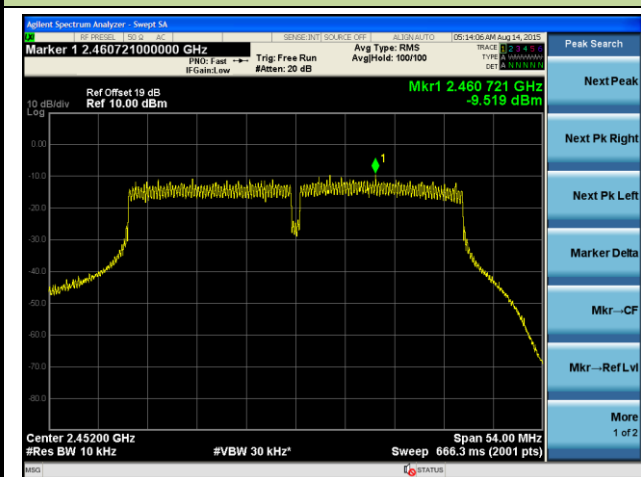
Channel 03 (2422MHz)



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 100kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

KDB 558074 D01v03r03 - Section 11.2 & Section 11.3

7.5.3. Test Settling

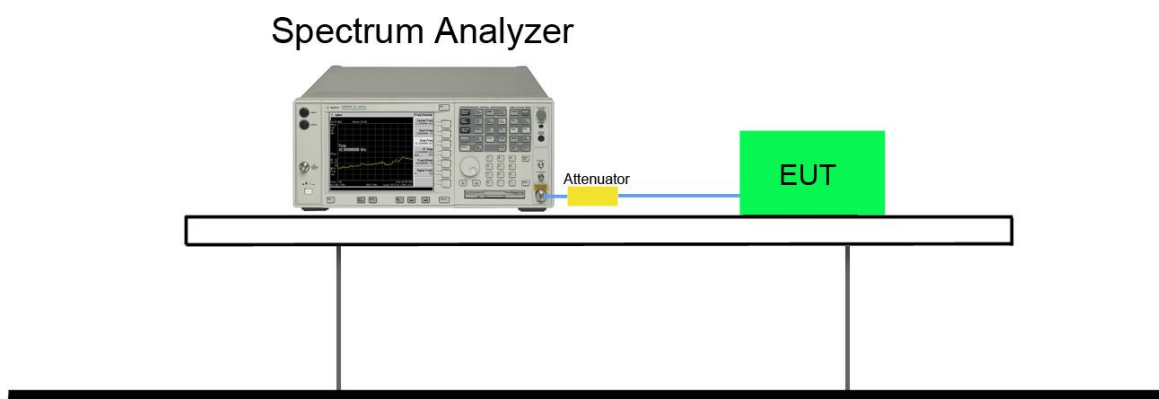
1. Reference level measurement

- (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 $\geq 3 \times$ RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

2. Emission level measurement

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

7.5.4. Test Setup

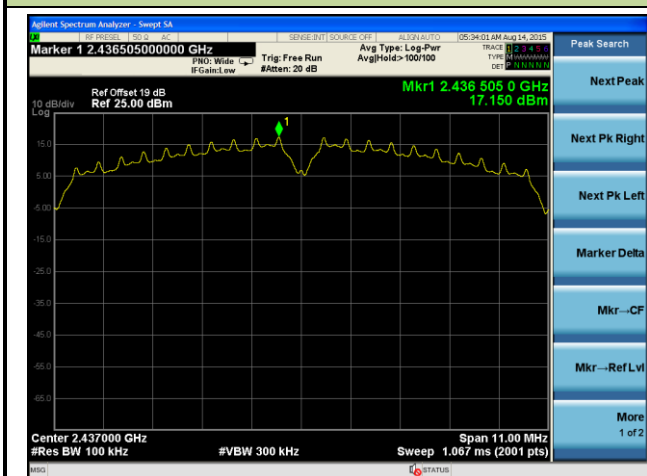


7.5.5. Test Result

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

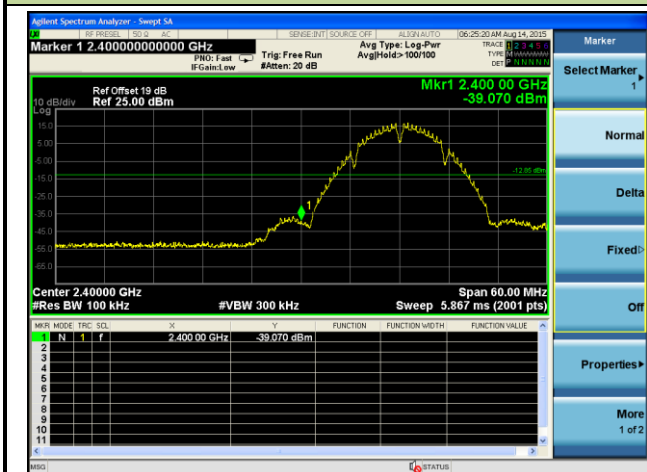
802.11b Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

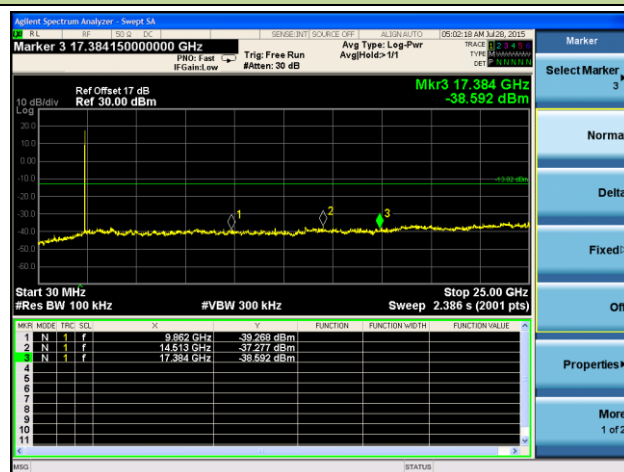


Channel 01 (2412MHz)

Low Band Edge

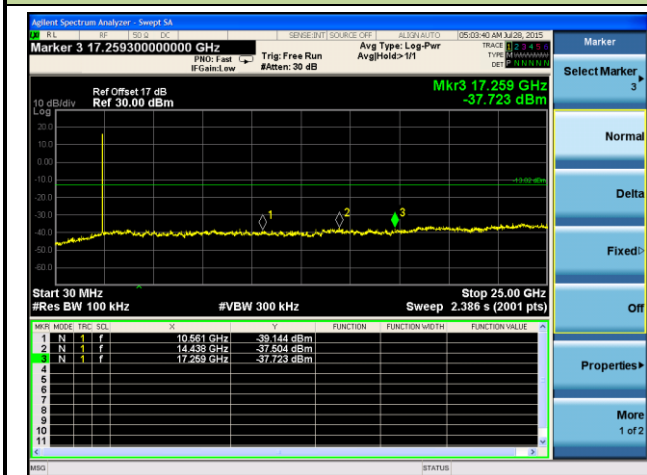


Spurious Emission



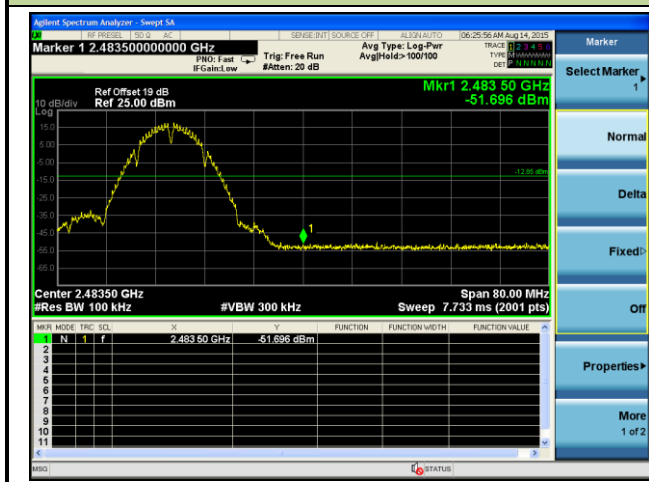
Channel 06 (2437MHz)

Spurious Emission

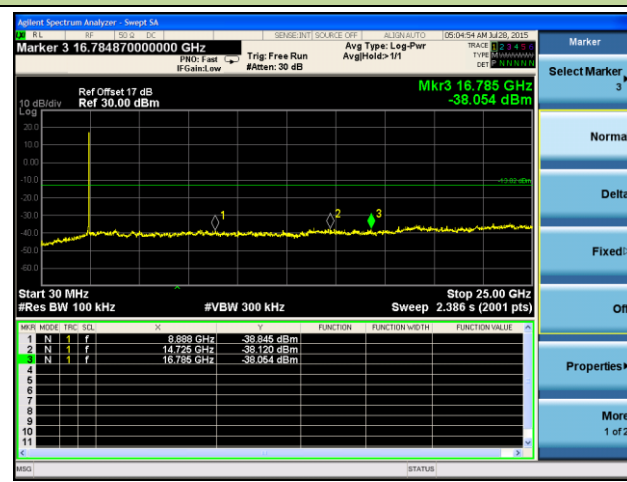


Channel 11 (2462MHz)

High Band Edge

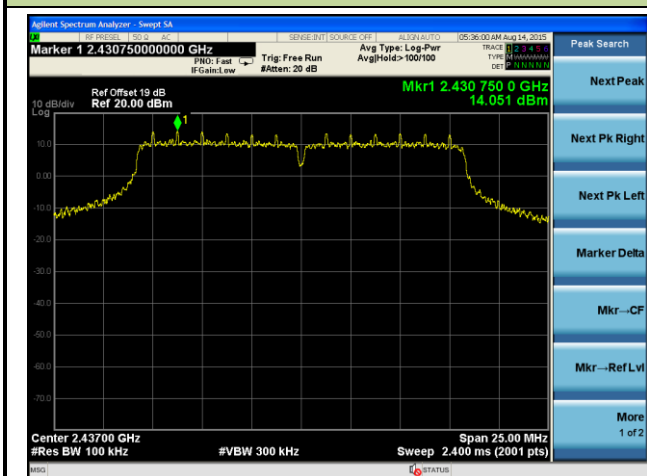


Spurious Emission



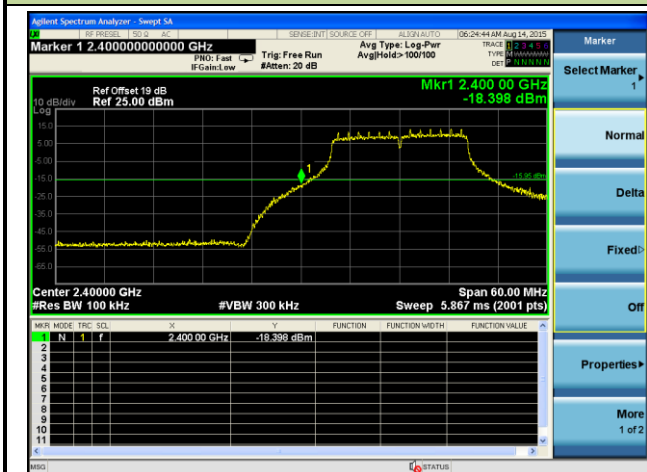
802.11g Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

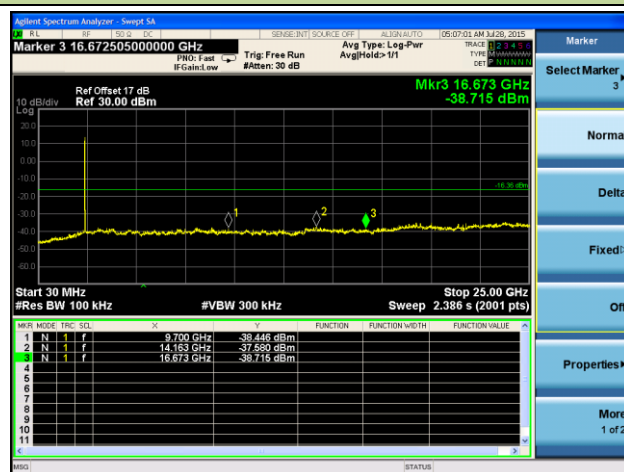


Channel 01 (2412MHz)

Low Band Edge

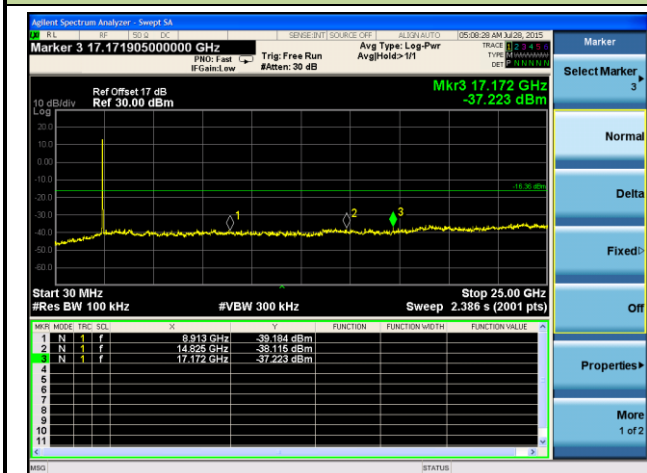


Spurious Emission



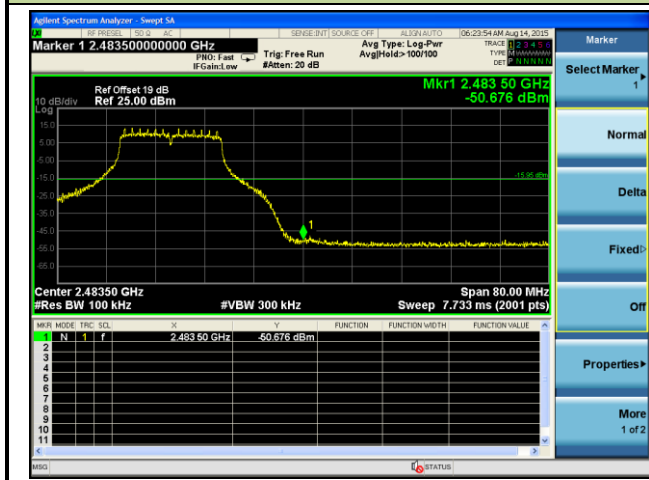
Channel 06 (2437MHz)

Spurious Emission

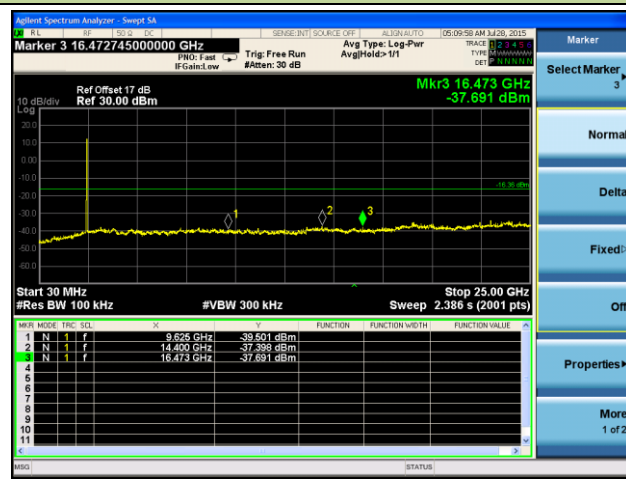


Channel 11 (2462MHz)

High Band Edge

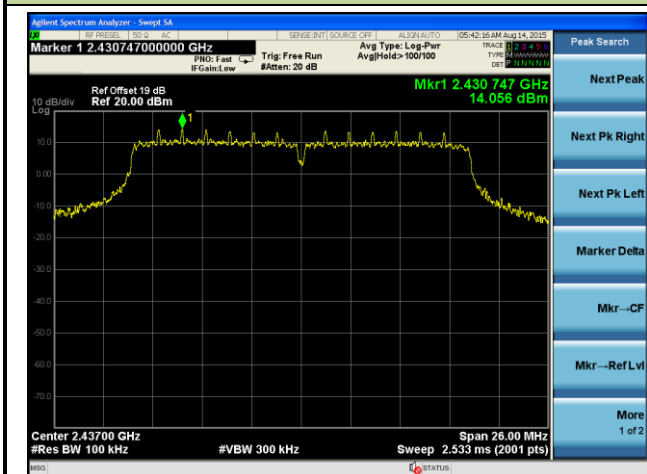


Spurious Emission



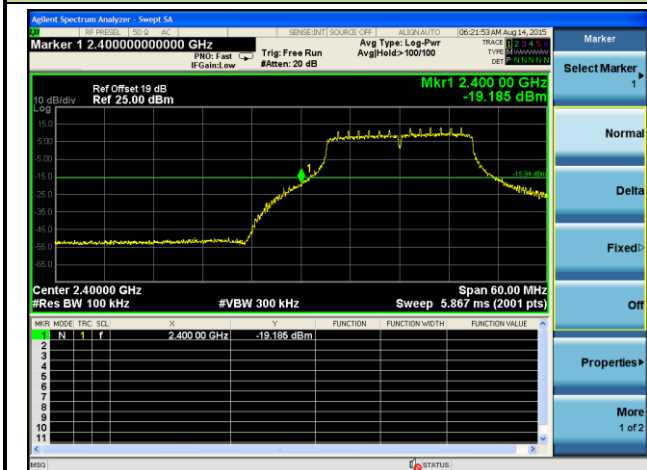
802.11n-HT20 Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

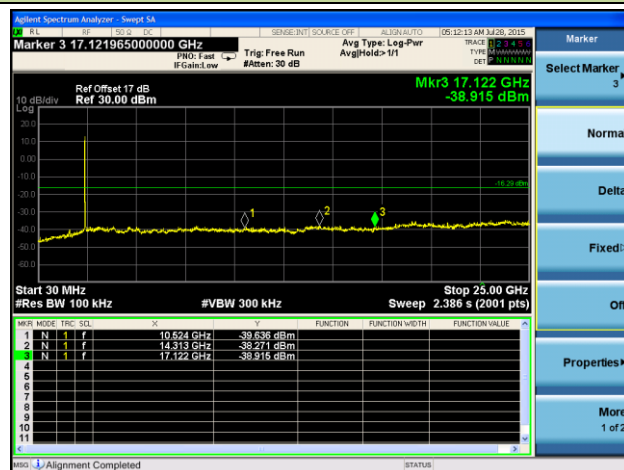


Channel 01 (2412MHz)

Low Band Edge

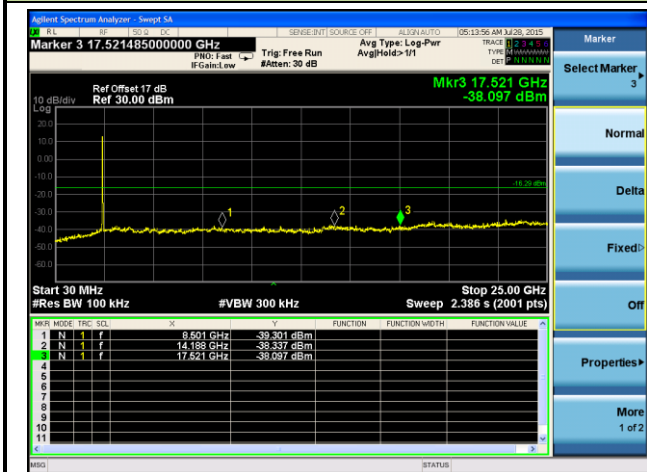


Spurious Emission



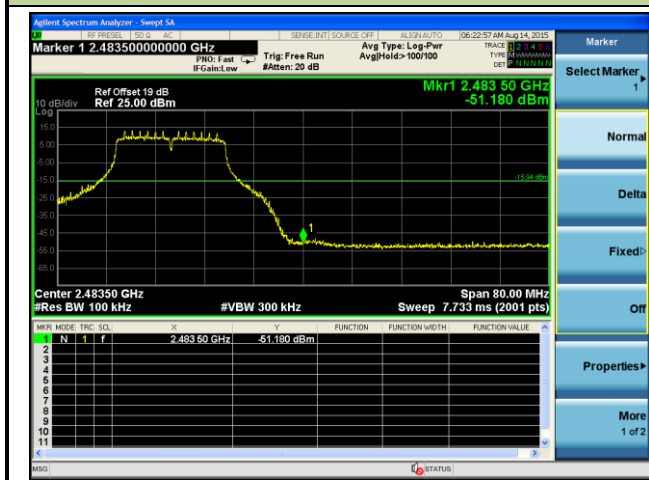
Channel 06 (2437MHz)

Spurious Emission

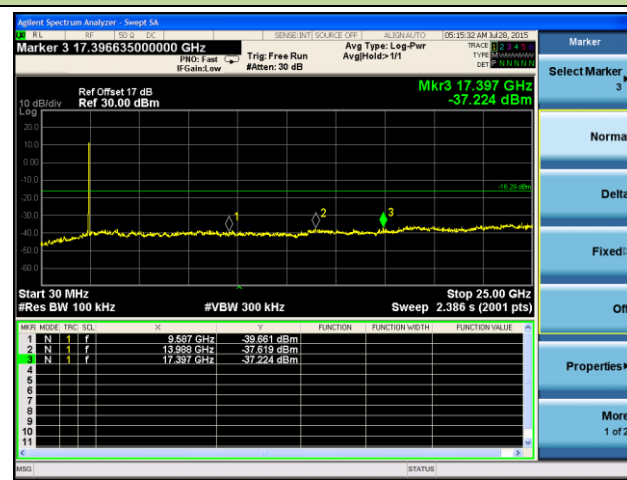


Channel 11 (2462MHz)

High Band Edge

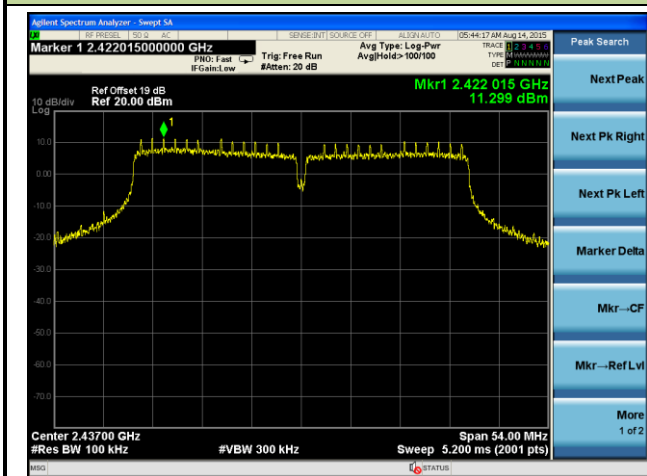


Spurious Emission



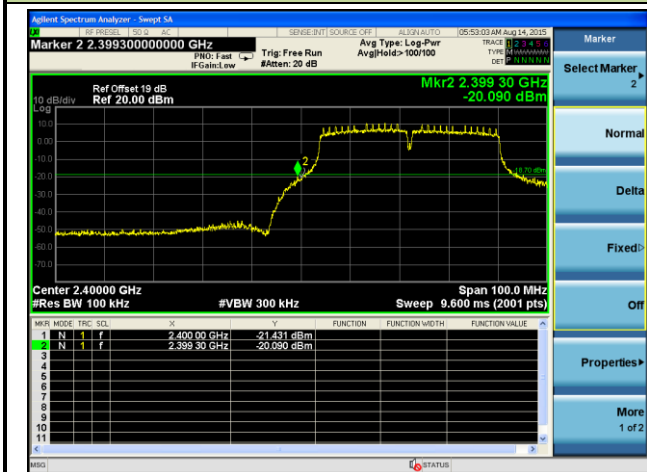
802.11n-HT40 Out-of-Band Emissions - Ant 1

100kHz PSD reference Level

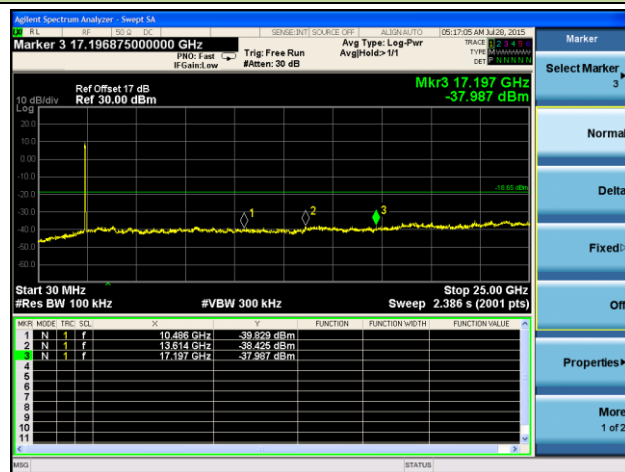


Channel 03 (2422MHz)

Low Band Edge

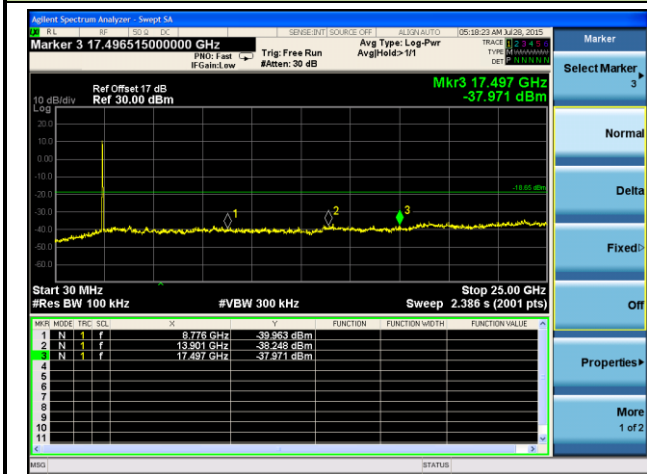


Spurious Emission



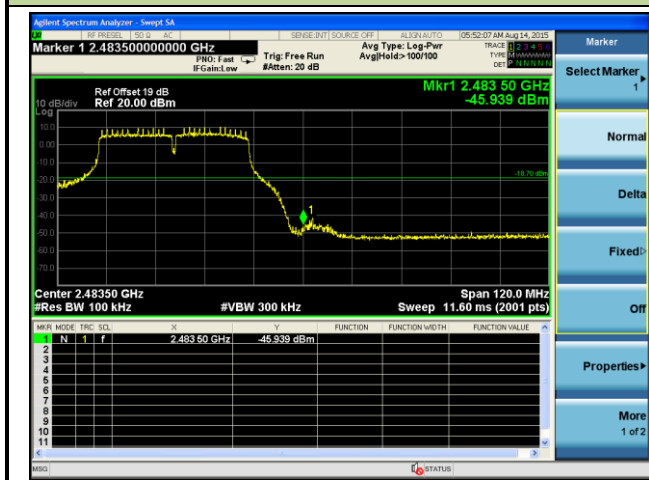
Channel 06 (2437MHz)

Spurious Emission

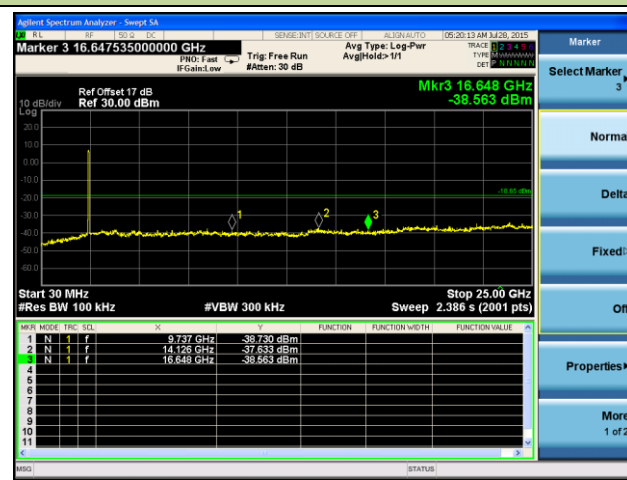


Channel 09 (2452MHz)

High Band Edge

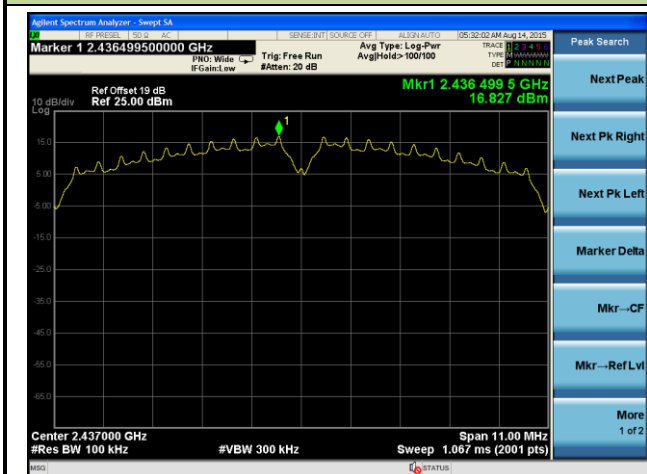


Spurious Emission



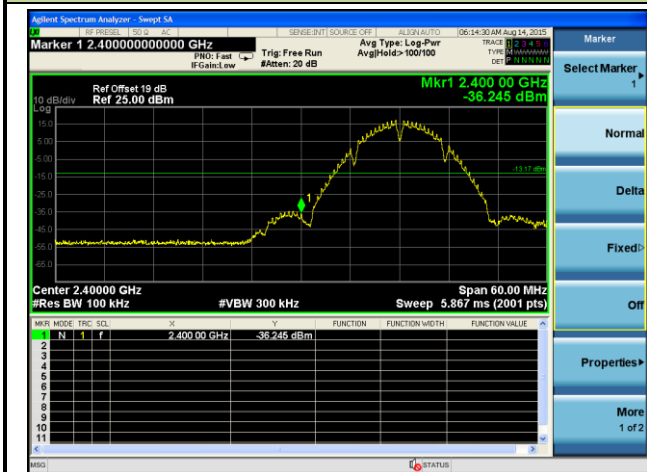
802.11b Out-of-Band Emissions - Ant 2

100kHz PSD reference Level

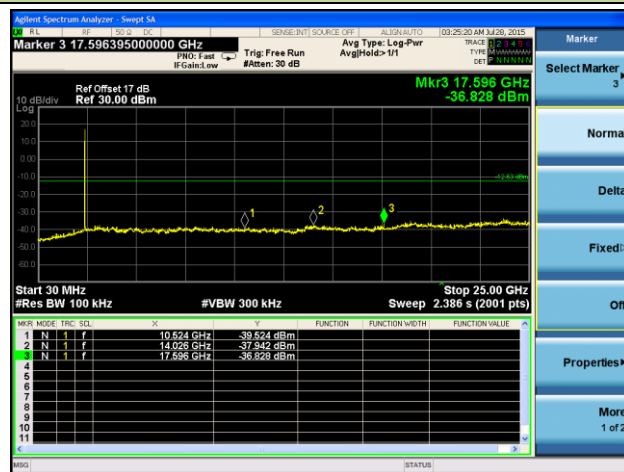


Channel 01 (2412MHz)

Low Band Edge

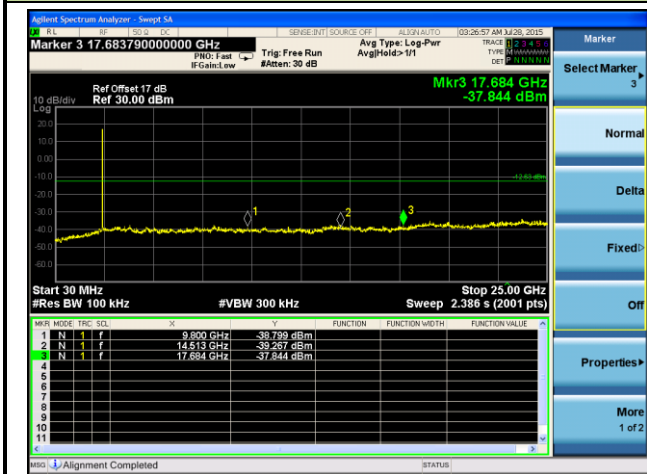


Spurious Emission



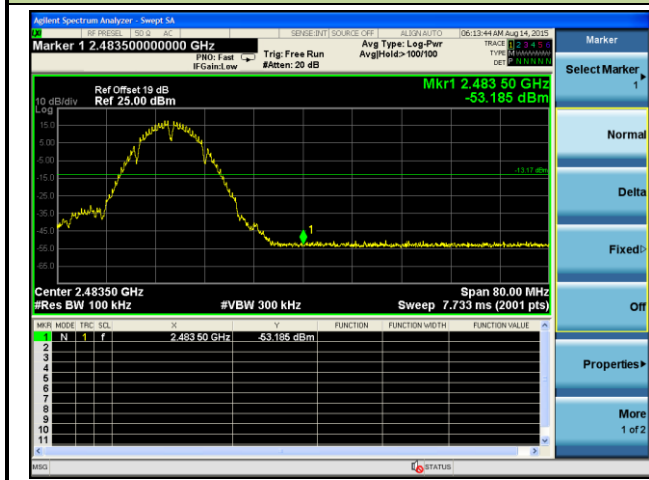
Channel 06 (2437MHz)

Spurious Emission

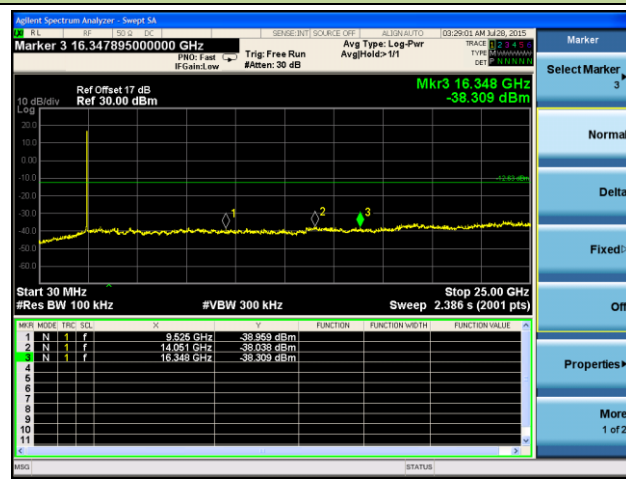


Channel 11 (2462MHz)

High Band Edge

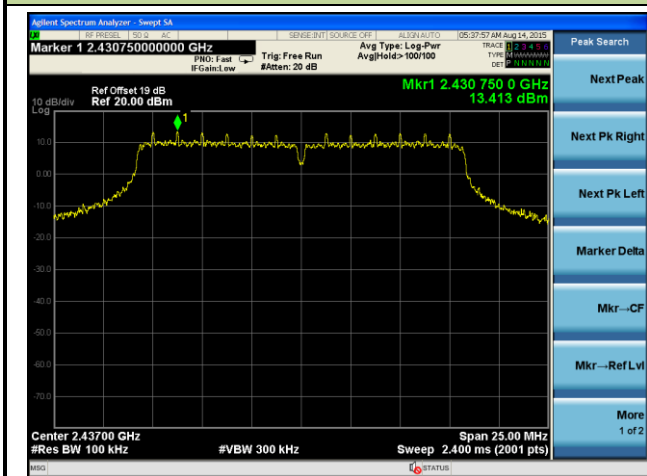


Spurious Emission



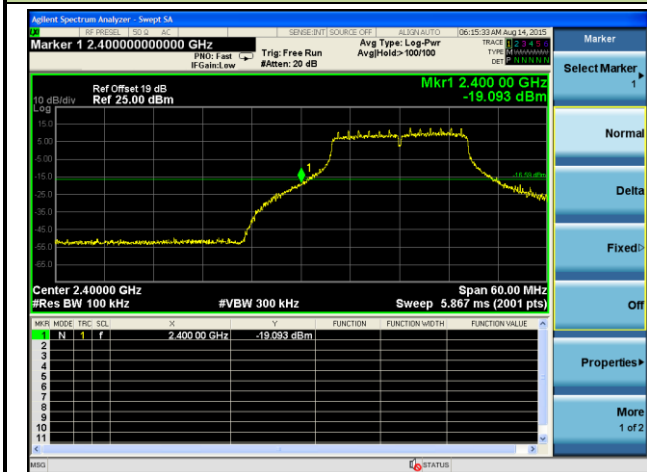
802.11g Out-of-Band Emissions - Ant 2

100kHz PSD reference Level

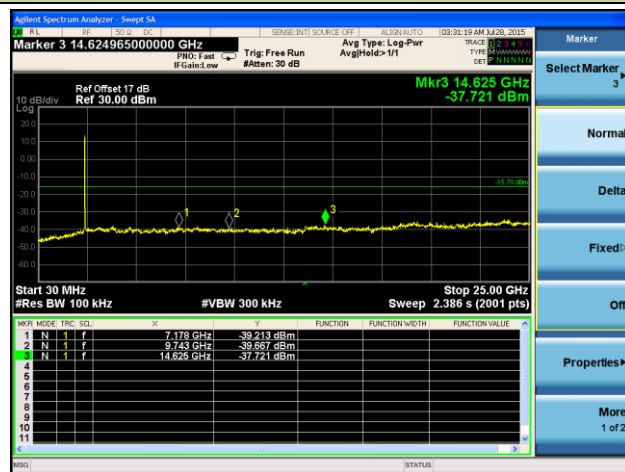


Channel 01 (2412MHz)

Low Band Edge

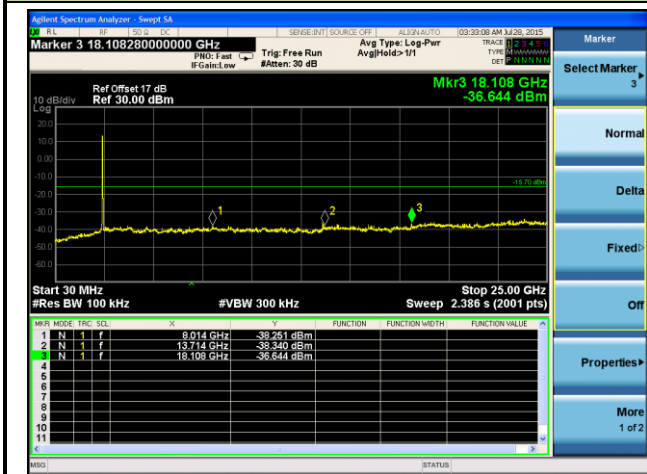


Spurious Emission



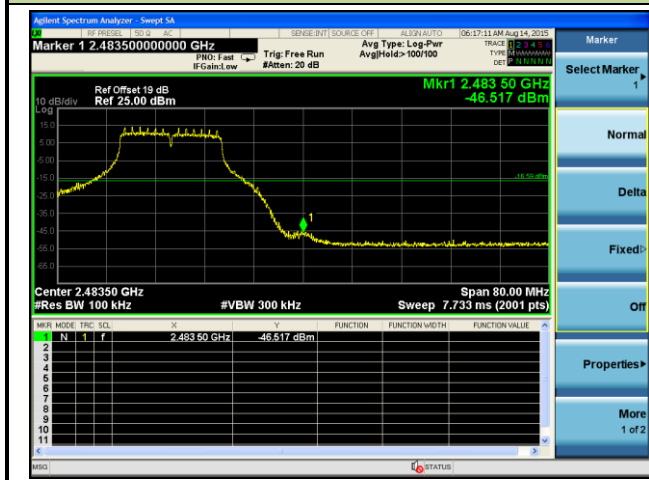
Channel 06 (2437MHz)

Spurious Emission

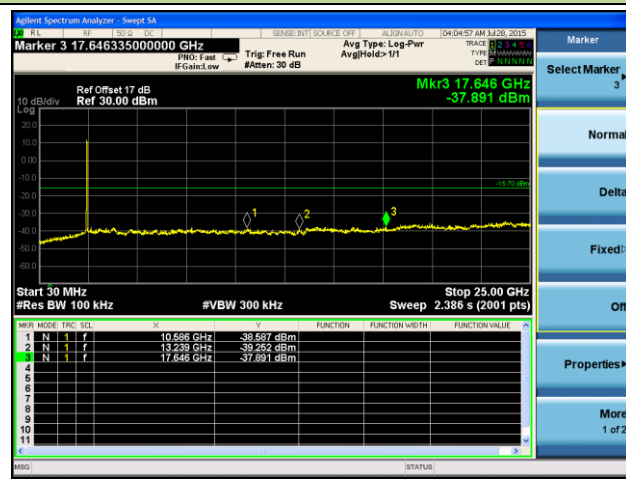


Channel 11 (2462MHz)

High Band Edge

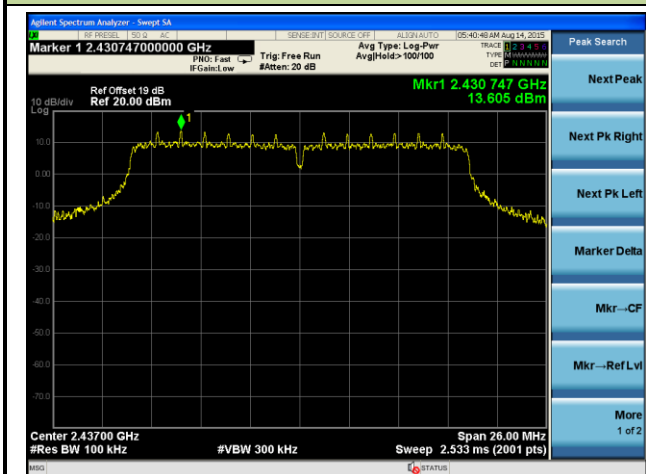


Spurious Emission



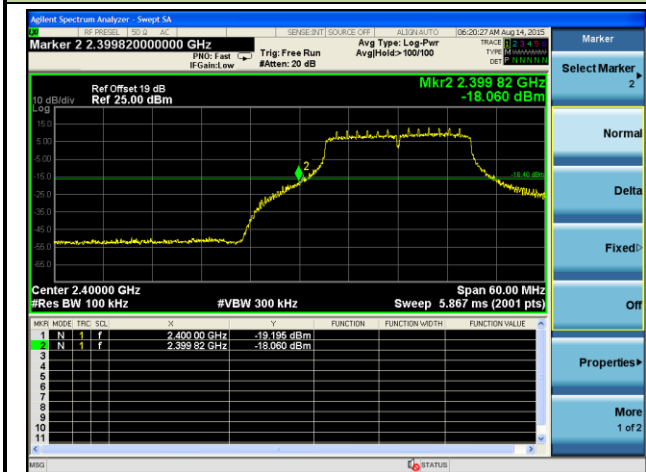
802.11n-HT20 Out-of-Band Emissions - Ant 2

100kHz PSD reference Level

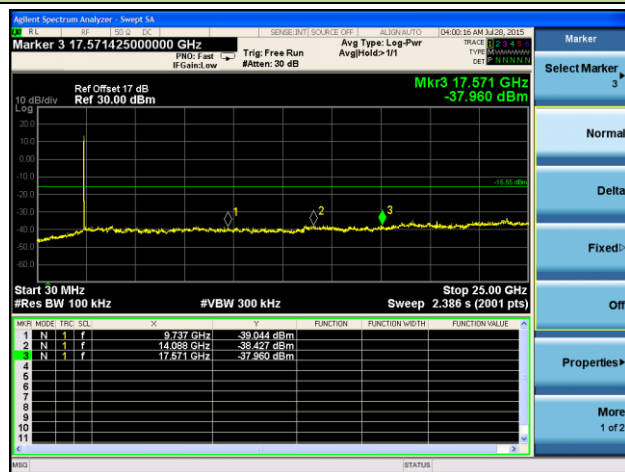


Channel 01 (2412MHz)

Low Band Edge

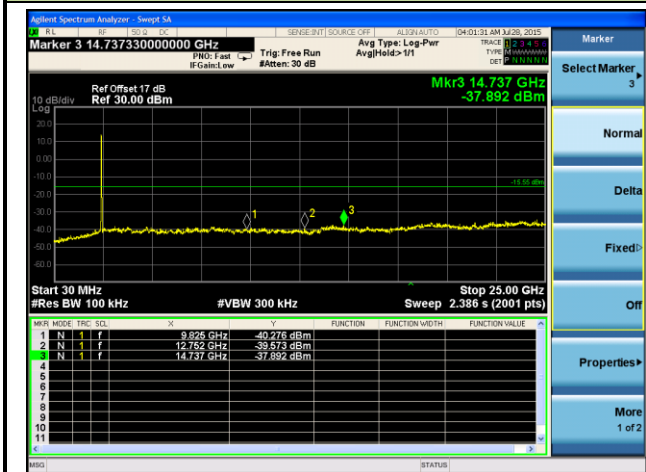


Spurious Emission



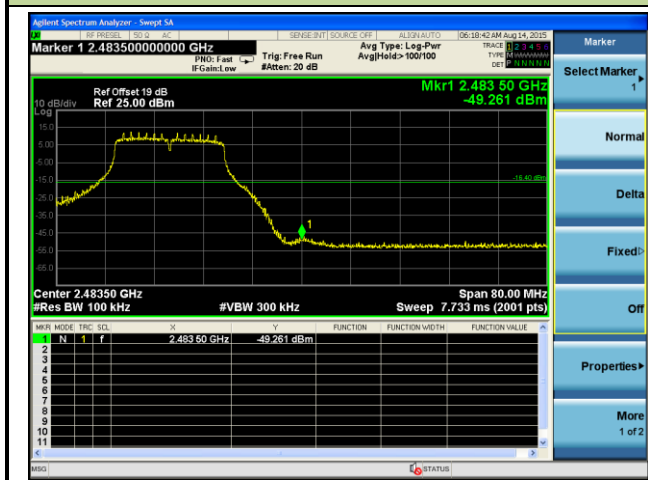
Channel 06 (2437MHz)

Spurious Emission

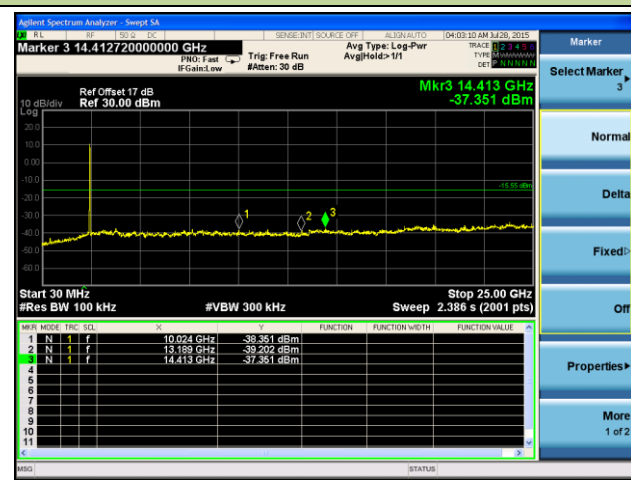


Channel 11 (2462MHz)

High Band Edge

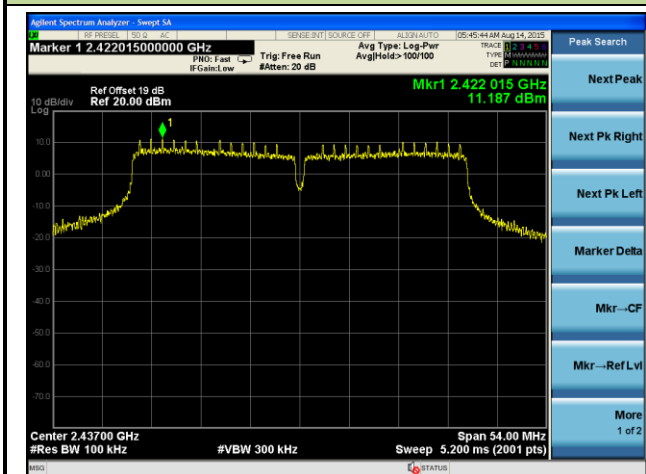


Spurious Emission



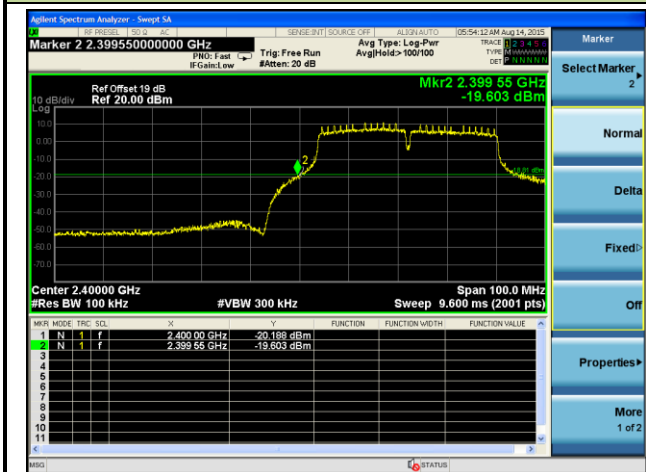
802.11n-HT40 Out-of-Band Emissions - Ant 2

100kHz PSD reference Level

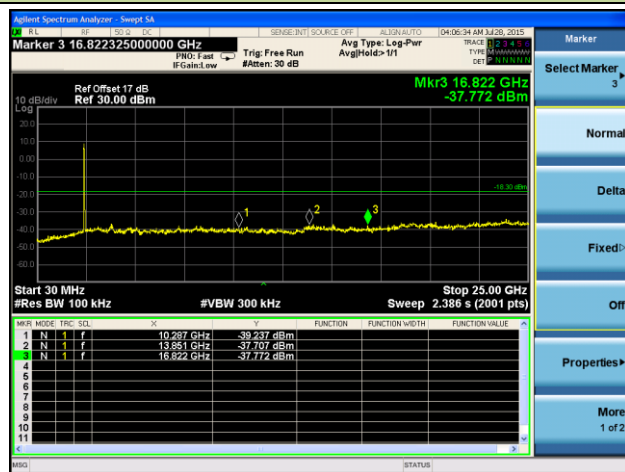


Channel 03 (2422MHz)

Low Band Edge

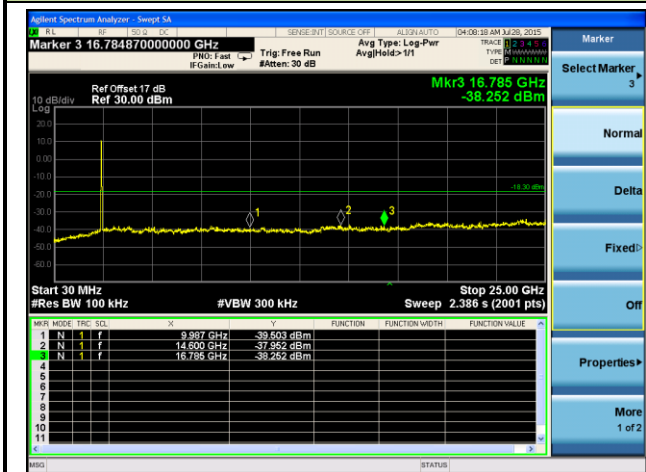


Spurious Emission



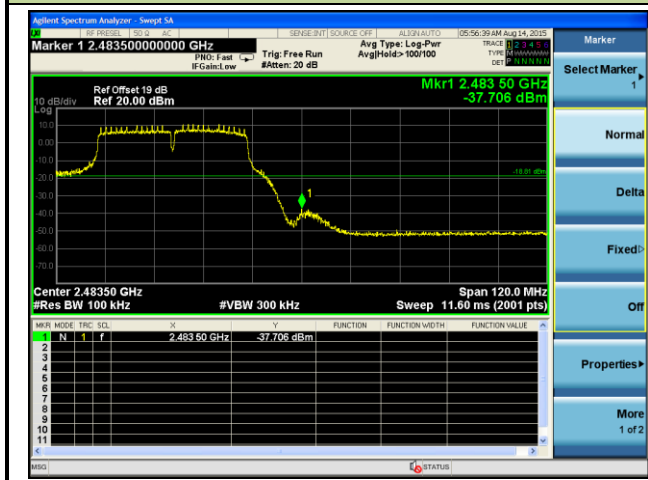
Channel 06 (2437MHz)

Spurious Emission

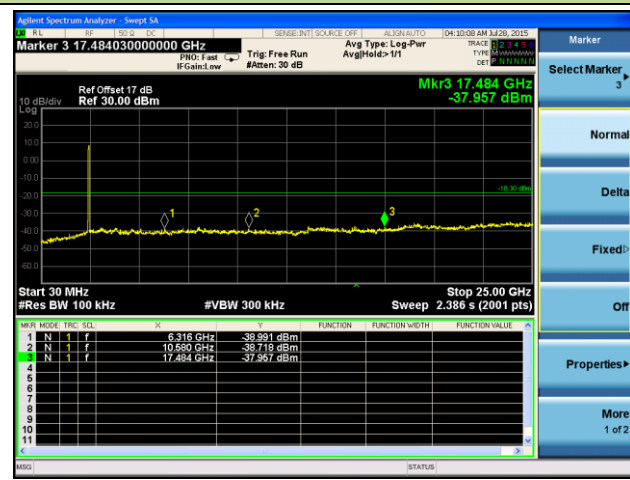


Channel 09 (2452MHz)

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 D01v03r03 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r03 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r03 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r03

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold
7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

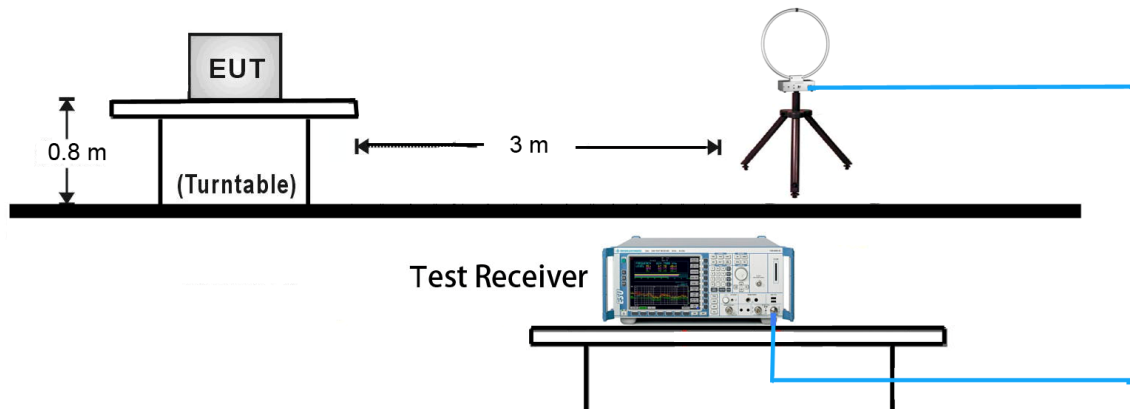
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r03

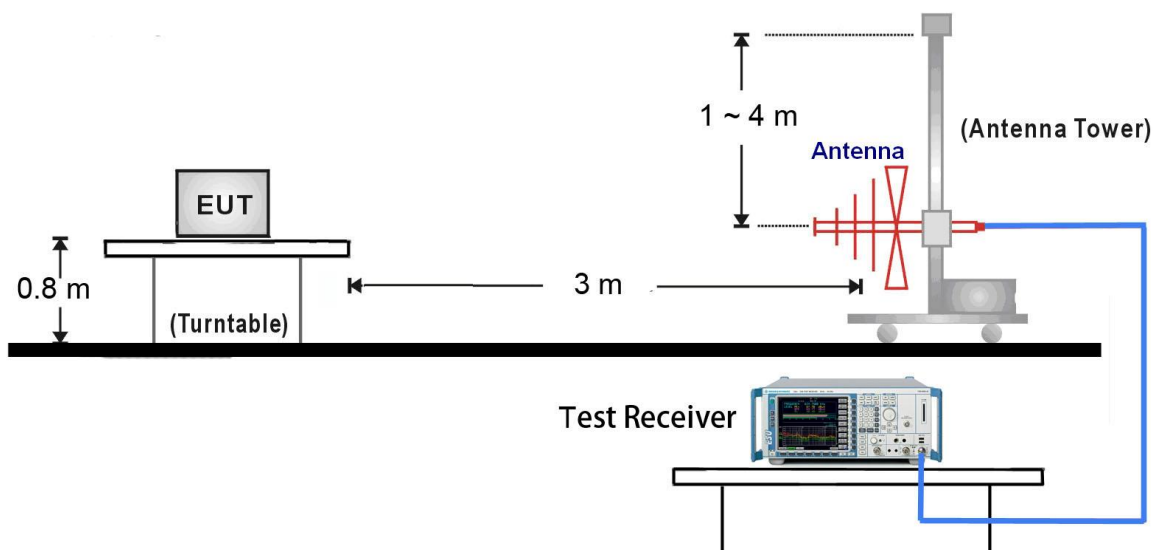
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

7.6.4. Test Setup

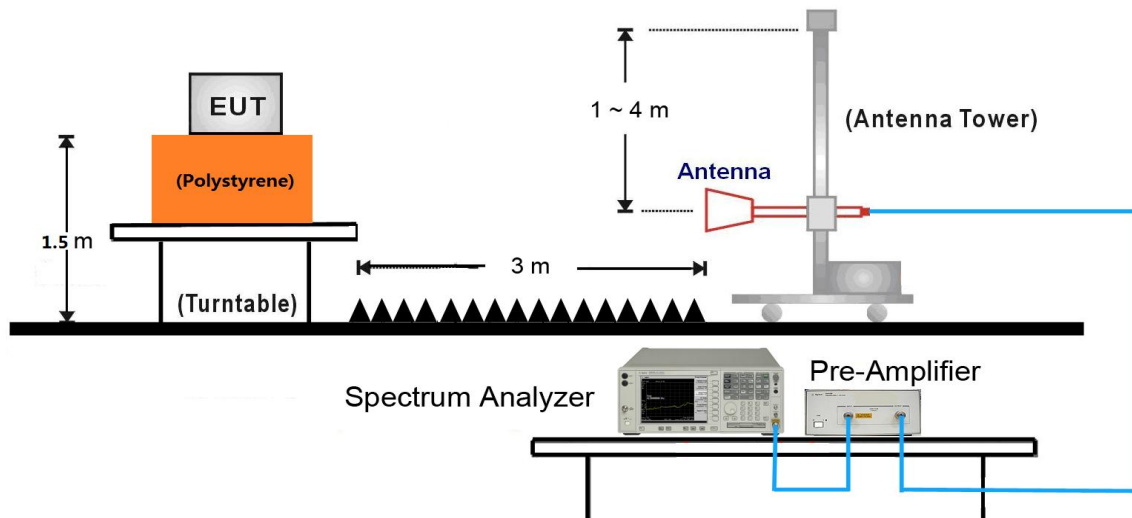
9kHz ~ 30MHz Test Setup:



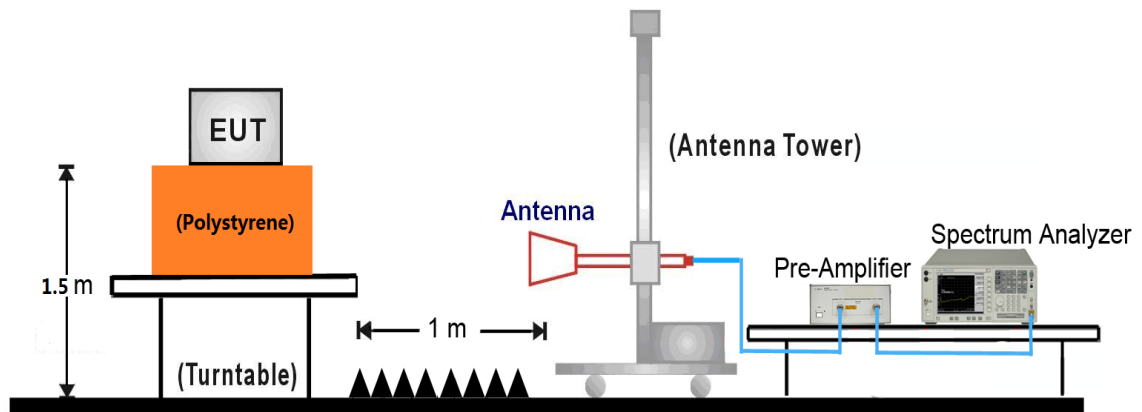
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b – Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	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
	4825.0	40.4	2.7	43.1	74.0	-30.9	Peak	Horizontal
	5360.5	37.9	3.0	40.9	74.0	-33.1	Peak	Horizontal
*	7239.0	40.5	7.8	48.3	89.1	-40.8	Peak	Horizontal
*	8684.0	37.1	9.0	46.1	89.1	-43.0	Peak	Horizontal
	4825.0	39.2	2.7	41.9	74.0	-32.1	Peak	Vertical
	7290.0	37.8	8.0	45.8	74.0	-28.2	Peak	Vertical
*	8828.5	36.4	9.1	45.5	89.1	-43.6	Peak	Vertical
*	9831.5	35.6	11.6	47.2	89.1	-41.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.1dBμV/m) or 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 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	47.5	2.7	50.2	74.0	-23.8	Peak	Horizontal
	7307.0	40.1	8.0	48.1	74.0	-25.9	Peak	Horizontal
*	8675.5	37.3	8.9	46.2	90.4	-44.2	Peak	Horizontal
*	9610.5	35.9	10.9	46.8	90.4	-43.6	Peak	Horizontal
	4876.0	44.6	2.7	47.3	74.0	-26.7	Peak	Vertical
	7307.0	38.4	8.0	46.4	74.0	-27.6	Peak	Vertical
*	8794.5	36.8	8.9	45.7	90.4	-44.7	Peak	Vertical
*	9576.5	36.2	10.9	47.1	90.4	-43.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.4dBμV/m) or 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 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
	4927.0	48.3	2.8	51.1	74.0	-22.9	Peak	Horizontal
	7281.5	38.2	8.0	46.2	74.0	-27.8	Peak	Horizontal
*	8786.0	36.7	8.9	45.6	90.6	-45.0	Peak	Horizontal
*	9882.5	35.0	11.6	46.6	90.6	-44.0	Peak	Horizontal
	4927.0	48.9	2.8	51.7	74.0	-22.3	Peak	Vertical
	7349.5	38.0	8.0	46.0	74.0	-28.0	Peak	Vertical
*	8769.0	36.2	8.9	45.1	90.6	-45.5	Peak	Vertical
*	9678.5	35.9	10.9	46.8	90.6	-43.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.6dBμV/m) or 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
	4816.5	39.6	2.7	42.3	74.0	-31.7	Peak	Horizontal
	5411.5	35.8	3.2	39.0	74.0	-35.0	Peak	Horizontal
*	7222.0	40.0	7.8	47.8	91.9	-44.1	Peak	Horizontal
*	8709.5	36.7	9.0	45.7	91.9	-46.2	Peak	Horizontal
	4842.0	37.7	2.7	40.4	74.0	-33.6	Peak	Vertical
	7273.0	38.1	8.0	46.1	74.0	-27.9	Peak	Vertical
*	7927.5	38.6	8.5	47.1	91.9	-44.8	Peak	Vertical
*	9721.0	35.7	11.1	46.8	91.9	-45.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.9dBμV/m) or 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
	4884.5	44.8	2.7	47.5	74.0	-26.5	Peak	Horizontal
	7307.0	38.5	8.0	46.5	74.0	-27.5	Peak	Horizontal
*	8692.5	36.4	9.0	45.4	91.8	-46.4	Peak	Horizontal
*	9806.0	35.4	11.5	46.9	91.8	-44.9	Peak	Horizontal
	4884.5	42.0	2.7	44.7	74.0	-29.3	Peak	Vertical
	7460.0	37.3	8.1	45.4	74.0	-28.6	Peak	Vertical
*	8607.5	36.8	8.8	45.6	91.8	-46.2	Peak	Vertical
*	9780.5	36.0	11.4	47.4	91.8	-44.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.8dBμV/m) or 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
	4910.0	46.5	2.7	49.2	74.0	-24.8	Peak	Horizontal
	7383.5	39.2	7.9	47.1	74.0	-26.9	Peak	Horizontal
*	8769.0	36.9	8.9	45.8	91.5	-45.7	Peak	Horizontal
*	9763.5	34.7	11.4	46.1	91.5	-45.4	Peak	Horizontal
	4918.5	47.2	2.8	50.0	74.0	-24.0	Peak	Vertical
	7570.5	35.7	8.2	43.9	74.0	-30.1	Peak	Vertical
*	8862.5	37.3	9.1	46.4	91.5	-45.1	Peak	Vertical
*	9593.5	35.5	10.9	46.4	91.5	-45.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.5dBμV/m) or 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
	4825.0	41.3	2.7	44.0	74.0	-30.0	Peak	Horizontal
	5437.0	36.9	3.4	40.3	74.0	-33.7	Peak	Horizontal
*	7230.5	39.0	7.8	46.8	91.2	-44.4	Peak	Horizontal
*	8658.5	36.7	8.8	45.5	91.2	-45.7	Peak	Horizontal
	4816.5	38.3	2.7	41.0	74.0	-33.0	Peak	Vertical
	5445.5	36.0	3.4	39.4	74.0	-34.6	Peak	Vertical
*	7179.5	38.4	7.8	46.2	91.2	-45.0	Peak	Vertical
*	7970.0	38.4	8.6	47.0	91.2	-44.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.2dBμV/m) or 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	44.6	2.7	47.3	74.0	-26.7	Peak	Horizontal
	7307.0	39.6	8.0	47.6	74.0	-26.4	Peak	Horizontal
*	8786.0	37.6	8.9	46.5	91.8	-45.3	Peak	Horizontal
*	9653.0	35.8	11.0	46.8	91.8	-45.0	Peak	Horizontal
	4876.0	41.0	2.7	43.7	74.0	-30.3	Peak	Vertical
	7273.0	37.3	8.0	45.3	74.0	-28.7	Peak	Vertical
*	8854.0	36.7	9.1	45.8	91.8	-46.0	Peak	Vertical
*	9789.0	35.5	11.4	46.9	91.8	-44.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.8dBμV/m) or 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:	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
	4918.5	45.3	2.8	48.1	74.0	-25.9	Peak	Horizontal
	7383.5	39.9	7.9	47.8	74.0	-26.2	Peak	Horizontal
*	8811.5	36.5	9.0	45.5	91.5	-46.0	Peak	Horizontal
*	9865.5	35.7	11.6	47.3	91.5	-44.2	Peak	Horizontal
	4910.0	47.3	2.7	50.0	74.0	-24.0	Peak	Vertical
	7426.0	37.0	8.0	45.0	74.0	-29.0	Peak	Vertical
*	8760.5	36.7	9.0	45.7	91.5	-45.8	Peak	Vertical
*	9797.5	35.4	11.5	46.9	91.5	-44.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.5dBμV/m) or 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 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
	4842.0	42.0	2.7	44.7	74.0	-29.3	Peak	Horizontal
	7341.0	37.4	8.0	45.4	74.0	-28.6	Peak	Horizontal
*	8820.0	36.5	9.0	45.5	89.1	-43.6	Peak	Horizontal
*	9636.0	36.2	11.0	47.2	89.1	-41.9	Peak	Horizontal
	4850.5	37.6	2.7	40.3	74.0	-33.7	Peak	Vertical
	7298.5	36.9	8.0	44.9	74.0	-29.1	Peak	Vertical
*	7970.0	37.5	8.6	46.1	89.1	-43.0	Peak	Vertical
*	9789.0	34.8	11.4	46.2	89.1	-42.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.1dBμV/m) or 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 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
	4884.5	41.8	2.7	44.5	74.0	-29.5	Peak	Horizontal
	7307.0	37.5	8.0	45.5	74.0	-28.5	Peak	Horizontal
*	8624.5	36.7	8.8	45.5	88.7	-43.2	Peak	Horizontal
*	9627.5	35.9	11.0	46.9	88.7	-41.8	Peak	Horizontal
	4893.0	39.4	2.7	42.1	74.0	-31.9	Peak	Vertical
	7290.0	37.5	8.0	45.5	74.0	-28.5	Peak	Vertical
*	8675.5	36.0	8.9	44.9	88.7	-43.8	Peak	Vertical
*	9763.5	35.9	11.4	47.3	88.7	-41.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.7dBμV/m) or 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 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
	4901.5	41.6	2.7	44.3	74.0	-29.7	Peak	Horizontal
	7349.5	37.4	8.0	45.4	74.0	-28.6	Peak	Horizontal
*	8641.5	36.9	8.8	45.7	88.1	-42.4	Peak	Horizontal
*	9678.5	35.7	10.9	46.6	88.1	-41.5	Peak	Horizontal
	4918.5	43.1	2.8	45.9	74.0	-28.1	Peak	Vertical
	7485.5	36.1	8.2	44.3	74.0	-29.7	Peak	Vertical
*	8650.0	36.9	8.8	45.7	88.1	-42.4	Peak	Vertical
*	9602.0	34.9	10.9	45.8	88.1	-42.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.1dBμV/m) or 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 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
	4825.0	45.8	2.7	48.5	74.0	-25.5	Peak	Horizontal
	5360.5	36.3	3.0	39.3	74.0	-34.7	Peak	Horizontal
*	7239.0	38.2	7.8	46.0	89.3	-43.3	Peak	Horizontal
*	8769.0	35.1	8.9	44.0	89.3	-45.3	Peak	Horizontal
	4825.0	41.3	2.7	44.0	74.0	-30.0	Peak	Vertical
	5394.5	36.0	3.1	39.1	74.0	-34.9	Peak	Vertical
*	7239.0	37.4	7.8	45.2	89.3	-44.1	Peak	Vertical
*	8837.0	36.2	9.1	45.3	89.3	-44.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.3dBμV/m) or 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 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
	4876.0	50.8	2.7	53.5	74.0	-20.5	Peak	Horizontal
	7307.0	40.7	8.0	48.7	74.0	-25.3	Peak	Horizontal
*	8684.0	36.1	9.0	45.1	90.5	-45.4	Peak	Horizontal
*	9806.0	35.3	11.5	46.8	90.5	-43.7	Peak	Horizontal
	4876.0	41.2	2.7	43.9	74.0	-30.1	Peak	Vertical
	7332.5	36.5	8.0	44.5	74.0	-29.5	Peak	Vertical
*	8684.0	36.4	9.0	45.4	90.5	-45.1	Peak	Vertical
*	9551.0	35.6	10.8	46.4	90.5	-44.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.5dBμV/m) or 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 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
	4927.0	46.0	2.8	48.8	74.0	-25.2	Peak	Horizontal
	7383.5	37.6	7.9	45.5	74.0	-28.5	Peak	Horizontal
*	8769.0	35.7	8.9	44.6	90.1	-45.5	Peak	Horizontal
*	9593.5	35.9	10.9	46.8	90.1	-43.3	Peak	Horizontal
	4927.0	48.7	2.8	51.5	74.0	-22.5	Peak	Vertical
	7536.5	37.3	8.3	45.6	74.0	-28.4	Peak	Vertical
*	8837.0	36.3	9.1	45.4	90.1	-44.7	Peak	Vertical
*	9806.0	34.9	11.5	46.4	90.1	-43.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.1dBμV/m) or 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 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
	4833.5	41.7	2.7	44.4	74.0	-29.6	Peak	Horizontal
	5386.0	35.3	3.0	38.3	74.0	-35.7	Peak	Horizontal
*	7239.0	37.7	7.8	45.5	92.4	-46.9	Peak	Horizontal
*	8820.0	36.2	9.0	45.2	92.4	-47.2	Peak	Horizontal
	4833.5	40.9	2.7	43.6	74.0	-30.4	Peak	Vertical
	5360.5	35.8	3.0	38.8	74.0	-35.2	Peak	Vertical
*	7230.5	37.7	7.8	45.5	92.4	-46.9	Peak	Vertical
*	8692.5	36.4	9.0	45.4	92.4	-47.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.4dBμV/m) or 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 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
	4876.0	49.1	2.7	51.8	74.0	-22.2	Peak	Horizontal
	5428.5	35.3	3.3	38.6	74.0	-35.4	Peak	Horizontal
*	7298.5	39.9	8.0	47.9	92.8	-44.9	Peak	Horizontal
*	8854.0	35.8	9.1	44.9	92.8	-47.9	Peak	Horizontal
	4876.0	43.2	2.7	45.9	74.0	-28.1	Peak	Vertical
	7400.5	37.0	7.9	44.9	74.0	-29.1	Peak	Vertical
*	8692.5	36.1	9.0	45.1	92.8	-47.7	Peak	Vertical
*	9865.5	34.9	11.6	46.5	92.8	-46.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.8dBμV/m) or 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 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
	4910.0	46.7	2.7	49.4	74.0	-24.6	Peak	Horizontal
	7383.5	37.7	7.9	45.6	74.0	-28.4	Peak	Horizontal
*	8624.5	36.9	8.8	45.7	92.5	-46.8	Peak	Horizontal
*	9687.0	35.0	10.9	45.9	92.5	-46.6	Peak	Horizontal
	4927.0	50.4	2.8	53.2	74.0	-20.8	Peak	Vertical
	7324.0	36.5	8.0	44.5	74.0	-29.5	Peak	Vertical
*	8752.0	36.5	9.0	45.5	92.5	-47.0	Peak	Vertical
*	9857.0	34.8	11.6	46.4	92.5	-46.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.5dBμV/m) or 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 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
	4816.5	44.0	2.7	46.7	74.0	-27.3	Peak	Horizontal
	5454.0	37.4	3.4	40.8	74.0	-33.2	Peak	Horizontal
*	7247.5	38.0	7.9	45.9	91.2	-45.3	Peak	Horizontal
*	8769.0	35.1	8.9	44.0	91.2	-47.2	Peak	Horizontal
	4833.5	40.2	2.7	42.9	74.0	-31.1	Peak	Vertical
	7443.0	36.8	8.0	44.8	74.0	-29.2	Peak	Vertical
*	8650.0	35.7	8.8	44.5	91.2	-46.7	Peak	Vertical
*	9840.0	35.6	11.6	47.2	91.2	-44.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.2dBμV/m) or 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 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
	4867.5	47.9	2.7	50.6	74.0	-23.4	Peak	Horizontal
	7307.0	39.9	8.0	47.9	74.0	-26.1	Peak	Horizontal
*	8837.0	35.7	9.1	44.8	91.5	-46.7	Peak	Horizontal
*	9882.5	34.7	11.6	46.3	91.5	-45.2	Peak	Horizontal
	4867.5	42.9	2.7	45.6	74.0	-28.4	Peak	Vertical
	7383.5	37.3	7.9	45.2	74.0	-28.8	Peak	Vertical
*	8692.5	35.9	9.0	44.9	91.5	-46.6	Peak	Vertical
*	9789.0	35.4	11.4	46.8	91.5	-44.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (121.5dBμV/m) or 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 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
	4927.0	47.8	2.8	50.6	74.0	-23.4	Peak	Horizontal
	7519.5	37.3	8.3	45.6	74.0	-28.4	Peak	Horizontal
*	8616.0	36.4	8.8	45.2	90.3	-45.1	Peak	Horizontal
*	9627.5	35.5	11.0	46.5	90.3	-43.8	Peak	Horizontal
	4927.0	47.5	2.8	50.3	74.0	-23.7	Peak	Vertical
	7324.0	36.8	8.0	44.8	74.0	-29.2	Peak	Vertical
	8769.0	35.8	8.9	44.7	90.3	-45.6	Peak	Vertical
*	9755.0	34.6	11.4	46.0	90.3	-44.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.3dBμV/m) or 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 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
	4850.5	42.6	2.7	45.3	74.0	-28.7	Peak	Horizontal
	7281.5	37.7	8.0	45.7	74.0	-28.3	Peak	Horizontal
*	8658.5	36.2	8.8	45.0	89.2	-44.2	Peak	Horizontal
*	9610.5	35.9	10.9	46.8	89.2	-42.4	Peak	Horizontal
	4842.0	38.4	2.7	41.1	74.0	-32.9	Peak	Vertical
	7400.5	37.0	7.9	44.9	74.0	-29.1	Peak	Vertical
*	8811.5	36.1	9.0	45.1	89.2	-44.1	Peak	Vertical
*	9857.0	35.1	11.6	46.7	89.2	-42.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.2dBμV/m) or 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 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
	4859.0	46.8	2.7	49.5	74.0	-24.5	Peak	Horizontal
	7307.0	38.5	8.0	46.5	74.0	-27.5	Peak	Horizontal
*	8684.0	36.2	9.0	45.2	90.1	-44.9	Peak	Horizontal
*	9746.5	35.4	11.3	46.7	90.1	-43.4	Peak	Horizontal
	4893.0	40.0	2.7	42.7	74.0	-31.3	Peak	Vertical
	7290.0	37.2	8.0	45.2	74.0	-28.8	Peak	Vertical
*	8650.0	36.1	8.8	44.9	90.1	-45.2	Peak	Vertical
*	9857.0	34.6	11.6	46.2	90.1	-43.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.1dBμV/m) or 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 2	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
	4901.5	43.7	2.7	46.4	74.0	-27.6	Peak	Horizontal
	7332.5	37.3	8.0	45.3	74.0	-28.7	Peak	Horizontal
*	8735.0	35.6	8.9	44.5	88.7	-44.2	Peak	Horizontal
*	9644.5	34.8	11.0	45.8	88.7	-42.9	Peak	Horizontal
	4901.5	43.0	2.7	45.7	74.0	-28.3	Peak	Vertical
	7528.0	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
*	8616.0	35.8	8.8	44.6	88.7	-44.1	Peak	Vertical
*	9695.5	35.9	10.9	46.8	88.7	-41.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.7dBμV/m) or 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 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
	4825.0	44.1	2.7	46.8	74.0	-27.2	Peak	Horizontal
	5360.5	35.7	3.0	38.7	74.0	-35.3	Peak	Horizontal
*	7239.0	38.3	7.8	46.1	94.3	-48.2	Peak	Horizontal
*	8803.0	36.3	8.9	45.2	94.3	-49.1	Peak	Horizontal
	4825.0	42.1	2.7	44.8	74.0	-29.2	Peak	Vertical
	7349.5	36.9	8.0	44.9	74.0	-29.1	Peak	Vertical
*	8735.0	36.6	8.9	45.5	94.3	-48.8	Peak	Vertical
*	9763.5	34.7	11.4	46.1	94.3	-48.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (124.3dBμV/m) or 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 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
	4876.0	50.0	2.7	52.7	74.0	-21.3	Peak	Horizontal
	7307.0	43.6	8.0	51.6	74.0	-22.4	Peak	Horizontal
*	8658.5	36.1	8.8	44.9	96.3	-51.4	Peak	Horizontal
*	9746.5	35.7	11.3	47.0	96.3	-49.3	Peak	Horizontal
	4876.0	44.6	2.7	47.3	74.0	-26.7	Peak	Horizontal
	7315.5	38.6	8.0	46.6	74.0	-27.4	Peak	Vertical
*	8769.0	36.9	8.9	45.8	96.3	-50.5	Peak	Vertical
*	9729.5	35.2	11.1	46.3	96.3	-50.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (126.3dBμV/m) or 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)