## 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 D01v03r02 - 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

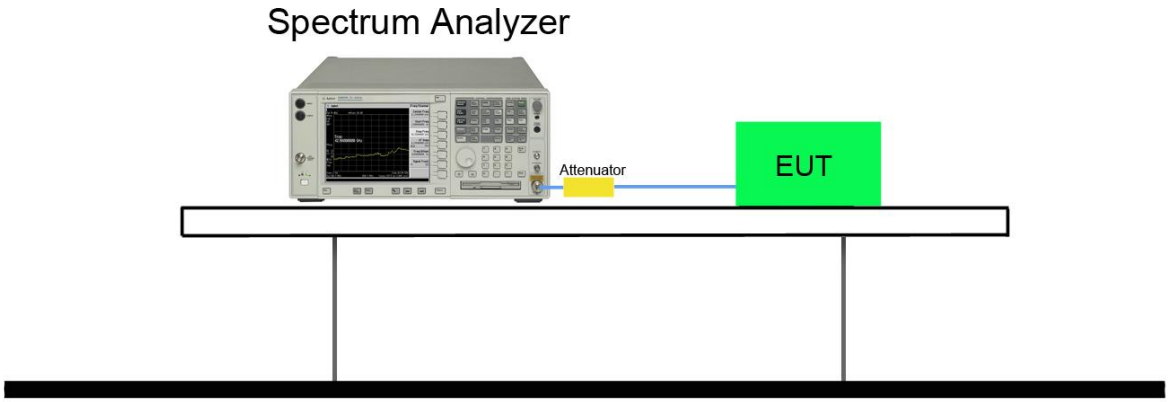
(d) Detector = Peak

(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 0 | | | | | |
| 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 1 | | | | | |
| 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 |

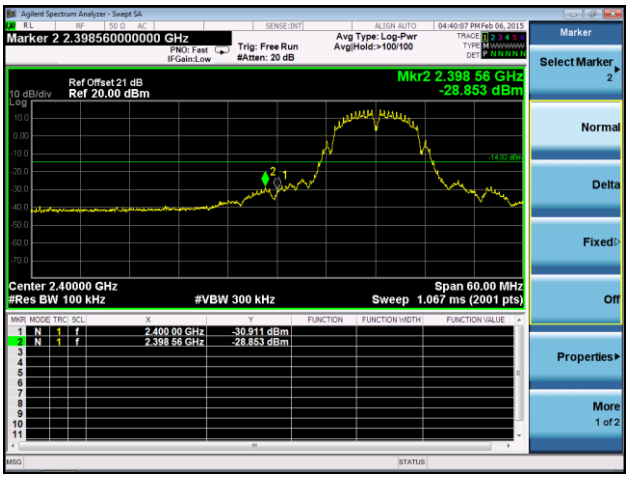
| Test Mode | Data Rate (Mbps) | Channel No. | Frequency (MHz) | Limit | Result |
|---|---|---|---|---|---|
| Ant 0 / Ant 0 + 1 | | | | | |
| 802.11n-HT20 | 6.5 | 01 | 2412 | 30dBc | Pass |
| 802.11n-HT20 | 6.5 | 06 | 2437 | 30dBc | Pass |
| 802.11n-HT20 | 6.5 | 11 | 2462 | 30dBc | Pass |
| 802.11n-HT40 | 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 1 / Ant 0 + 1 | | | | | |
| 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 0

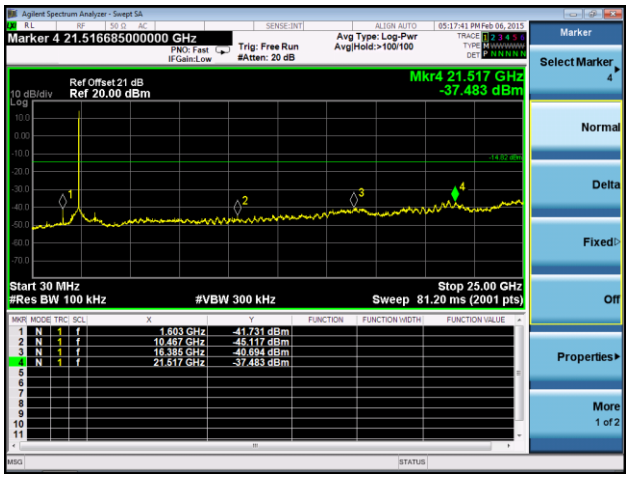
### 100kHz PSD reference Level


### Channel 01 (2412MHz)

#### Low Band Edge

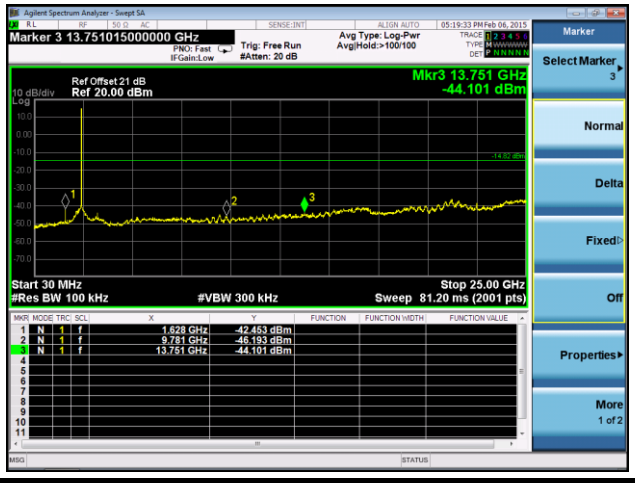


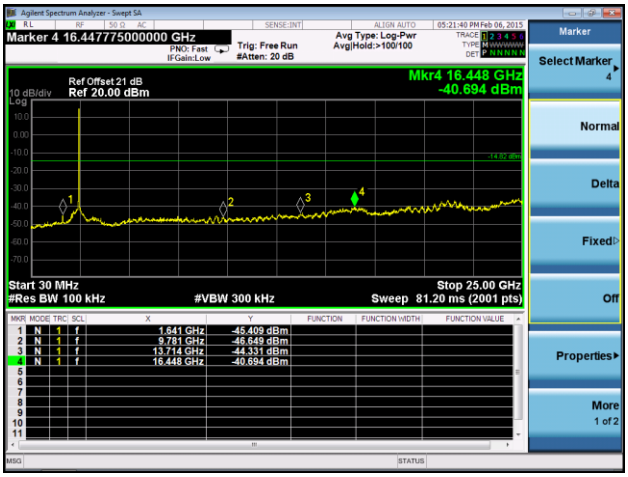

#### Spurious Emission




### Channel 06 (2437MHz)

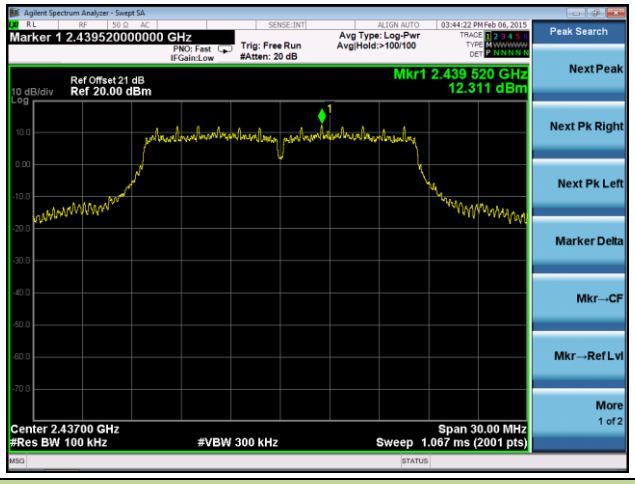
#### Spurious Emission



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

## 802.11g Out-of-Band Emissions - Ant 0

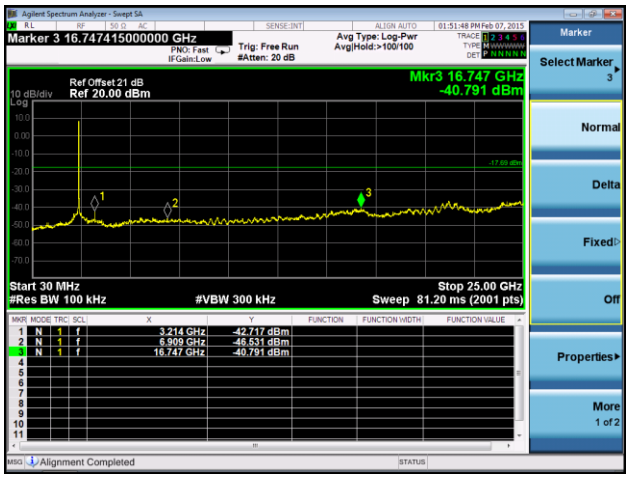
### 100kHz PSD reference Level




### Channel 01 (2412MHz)

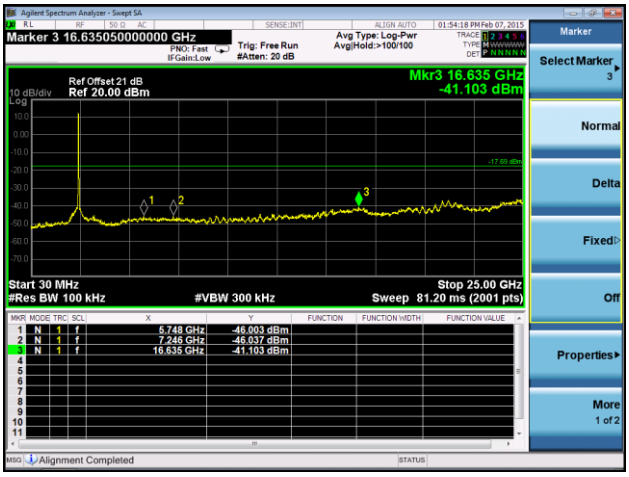
#### Low Band Edge

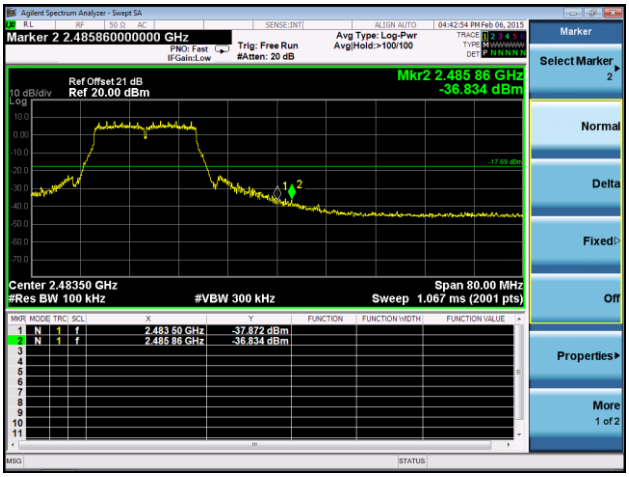
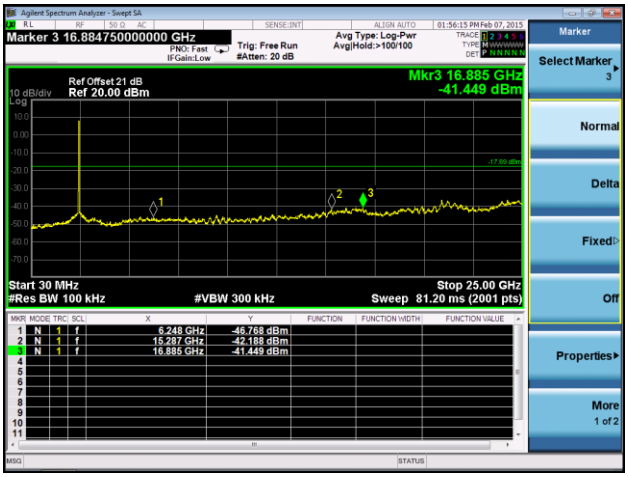

#### Spurious Emission




### Channel 06 (2437MHz)

#### Spurious Emission



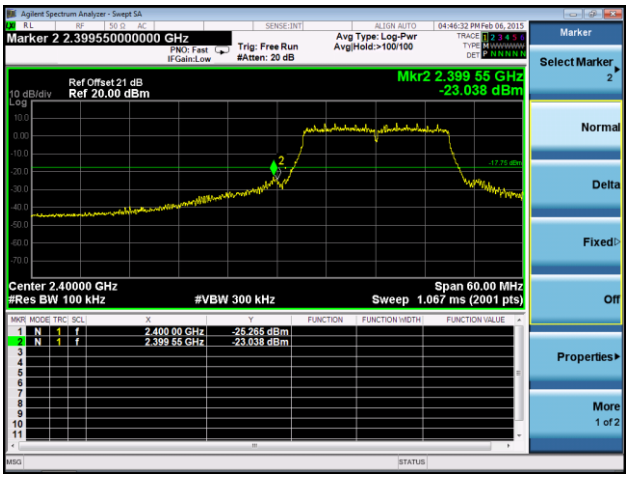
| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

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

### 100kHz PSD reference Level


### Channel 01 (2412MHz)

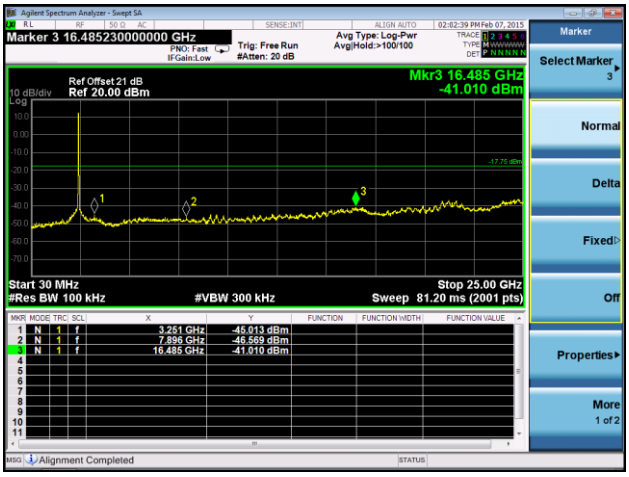
#### Low Band Edge

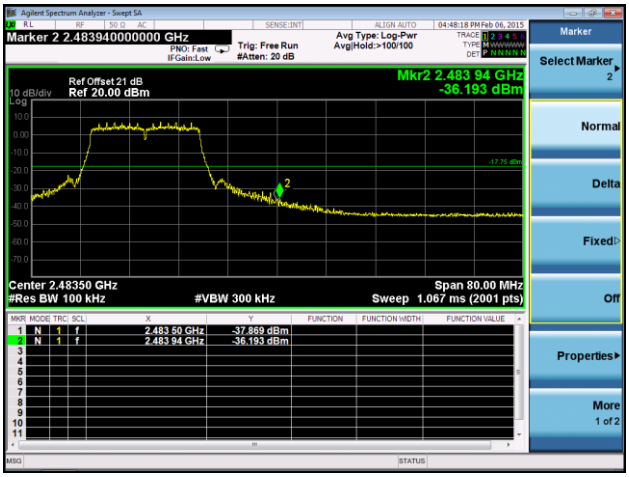
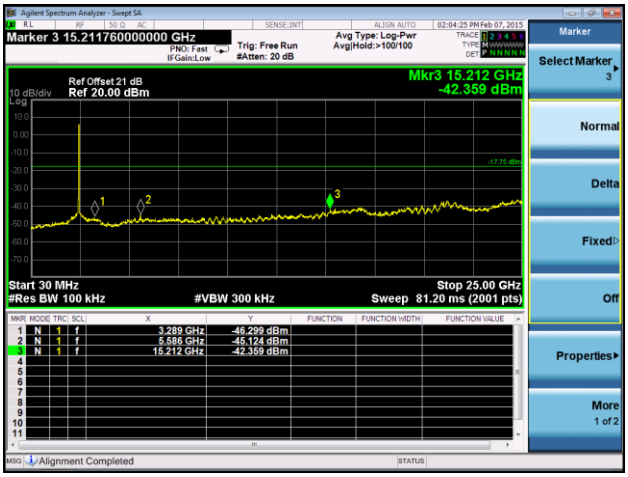



#### Spurious Emission


### Channel 06 (2437MHz)

#### Spurious Emission



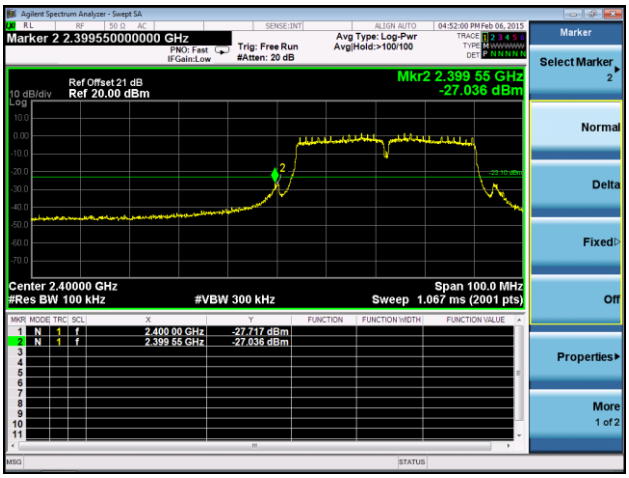
| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

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

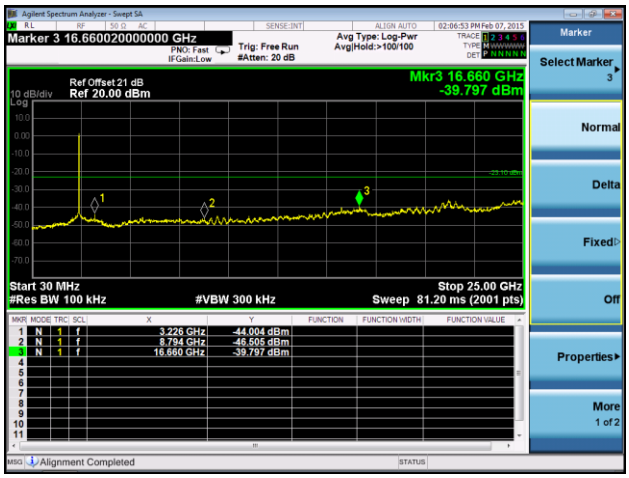
### 100kHz PSD reference Level


### Channel 03 (2422MHz)

#### Low Band Edge

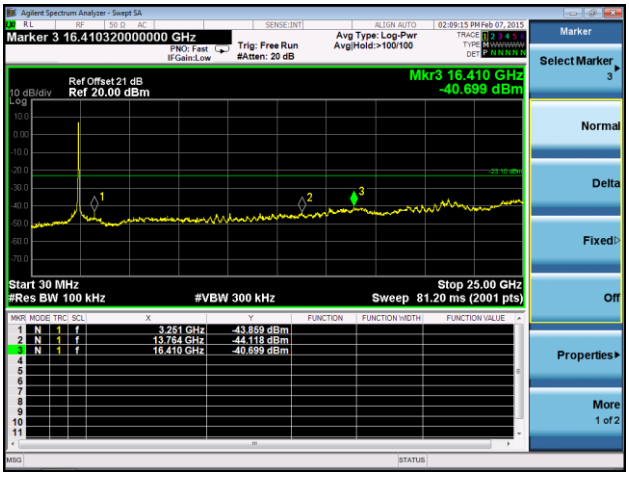


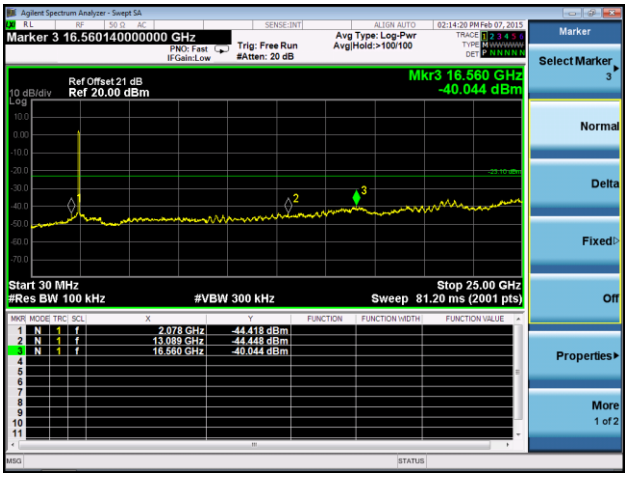

#### Spurious Emission




### Channel 06 (2437MHz)

#### Spurious Emission



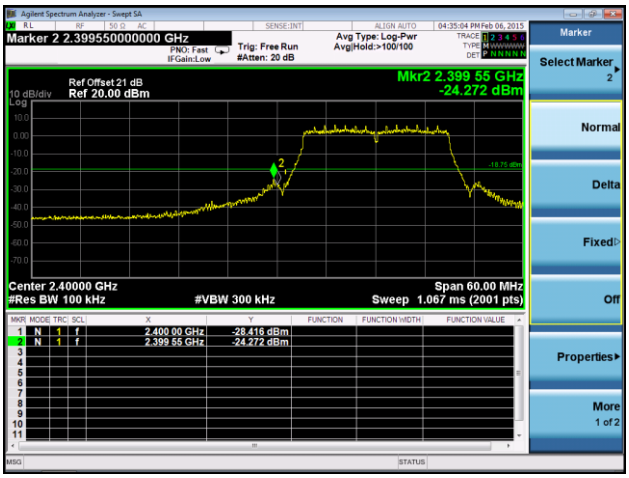
| Channel 9 (2452MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

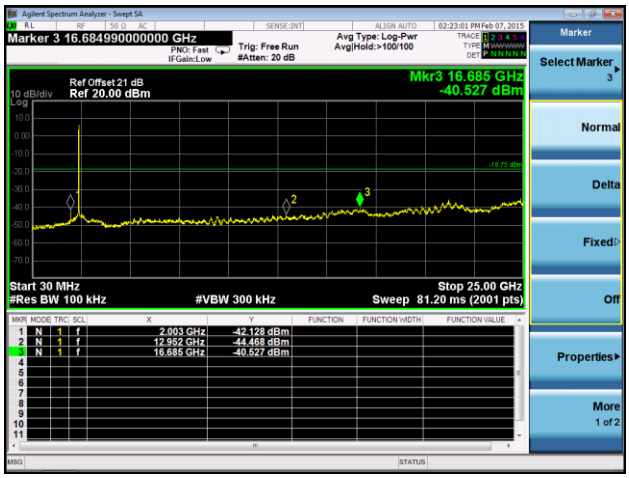
## 802.11n-HT20 Out-of-Band Emissions - Ant 1

### 100kHz PSD reference Level


### Channel 01 (2412MHz)

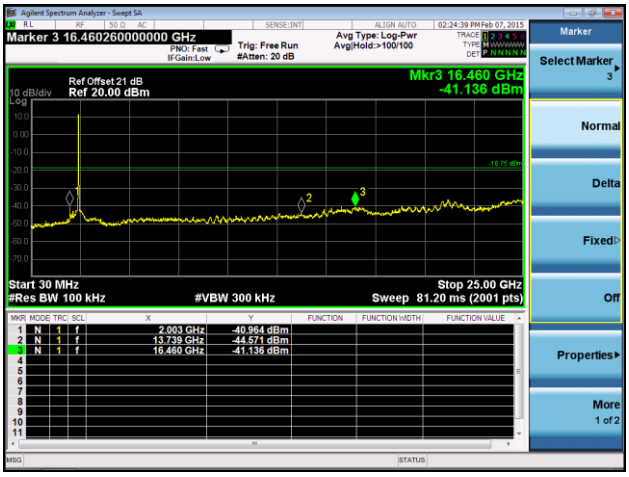
| Low Band Edge | Spurious Emission |
|---|---|

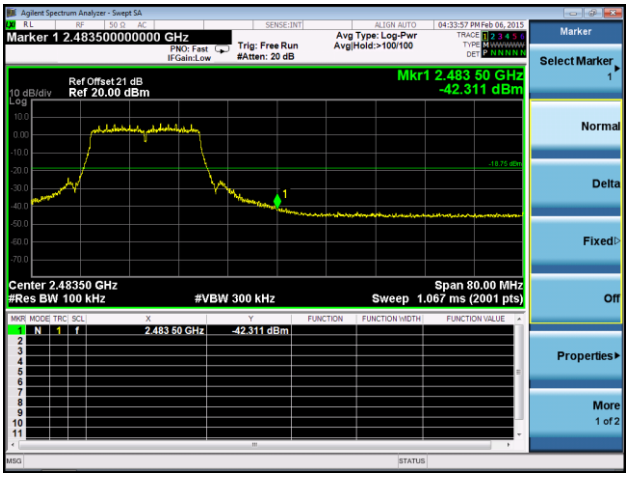
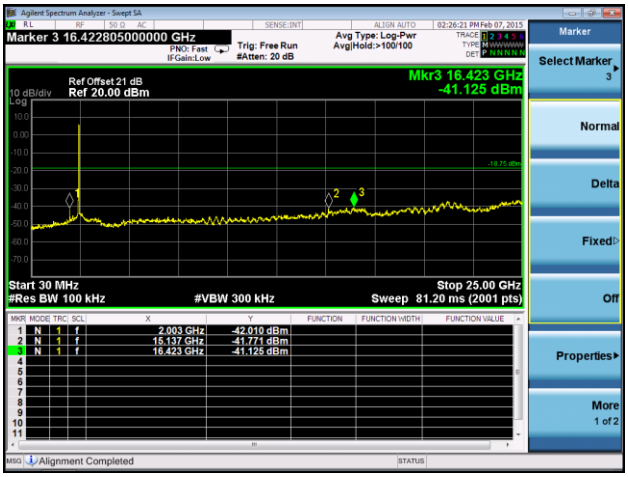



### Channel 06 (2437MHz)

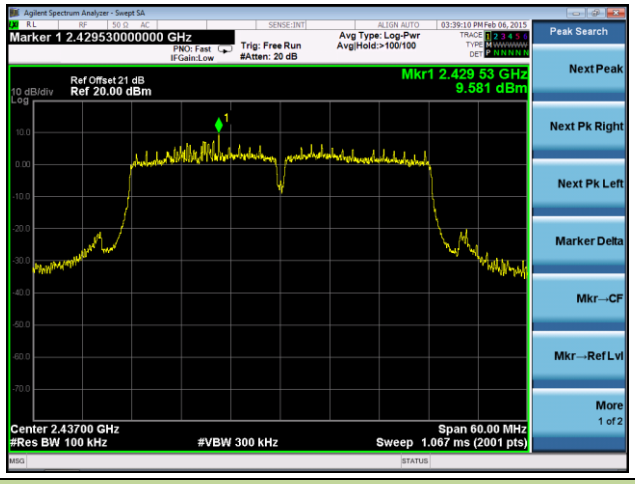
| Spurious Emission | |
|---|---|



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

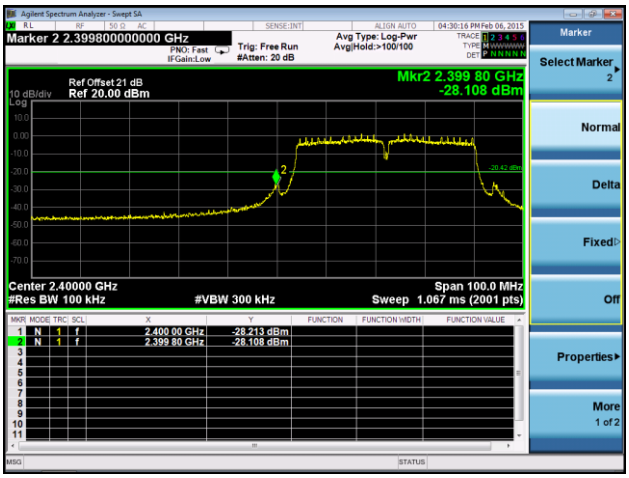
## 802.11n-HT40 Out-of-Band Emissions - Ant 1

### 100kHz PSD reference Level

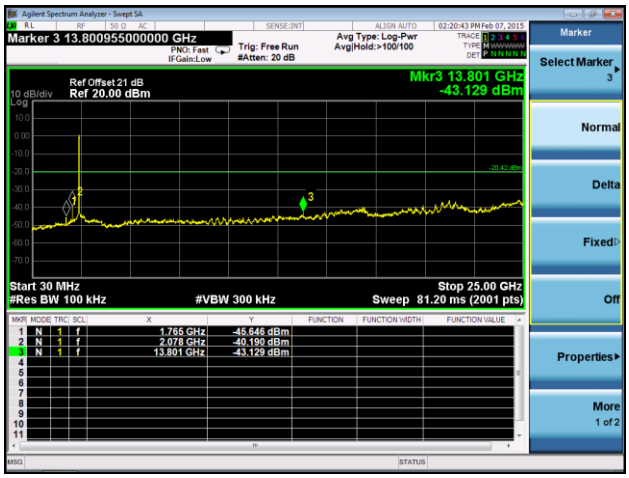



### Channel 03 (2422MHz)

#### Low Band Edge

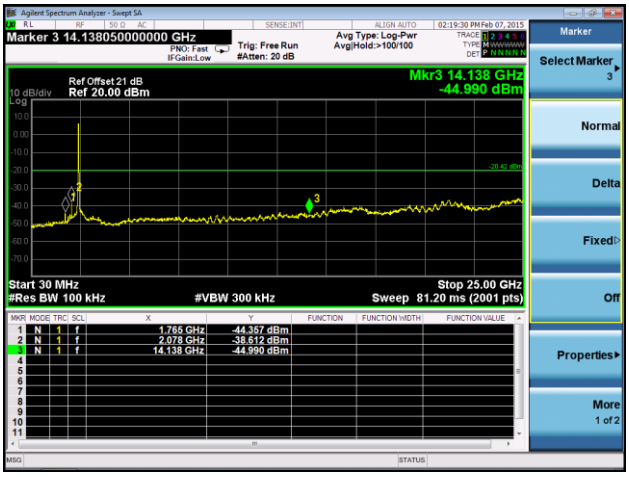


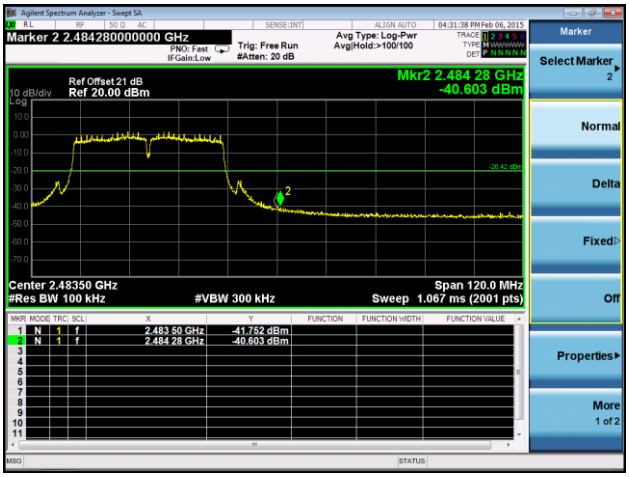
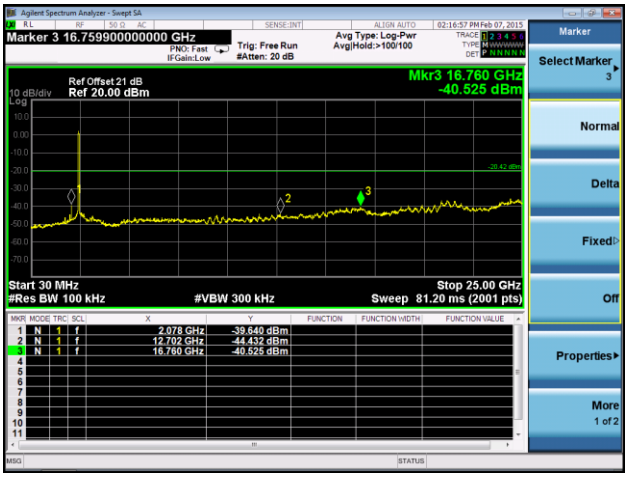

#### Spurious Emission




### Channel 06 (2437MHz)

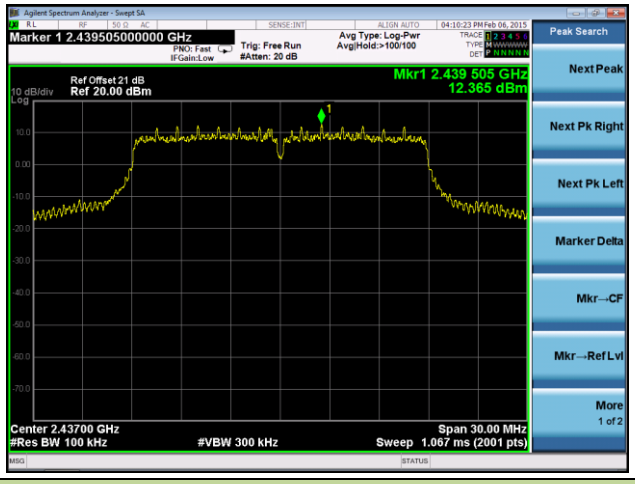
#### Spurious Emission



| Channel 9 (2452MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

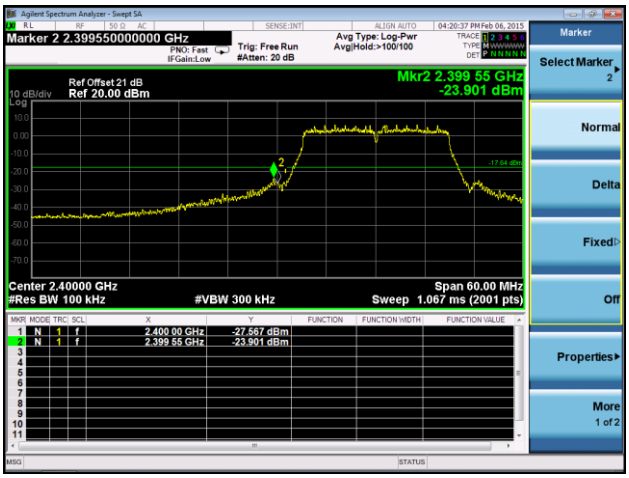
## 802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

### 100kHz PSD reference Level

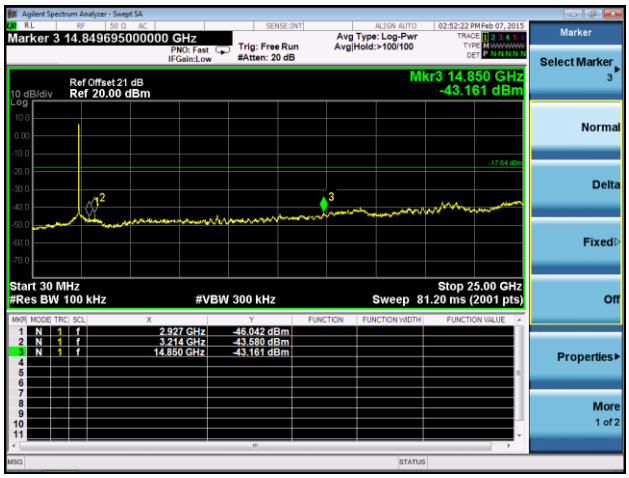



### Channel 01 (2412MHz)

#### Low Band Edge

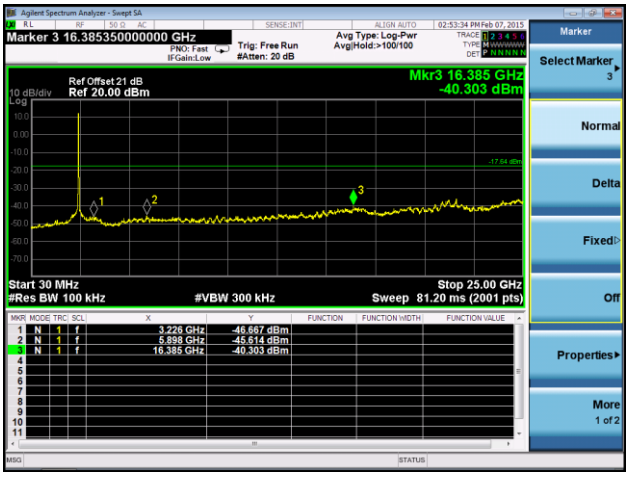


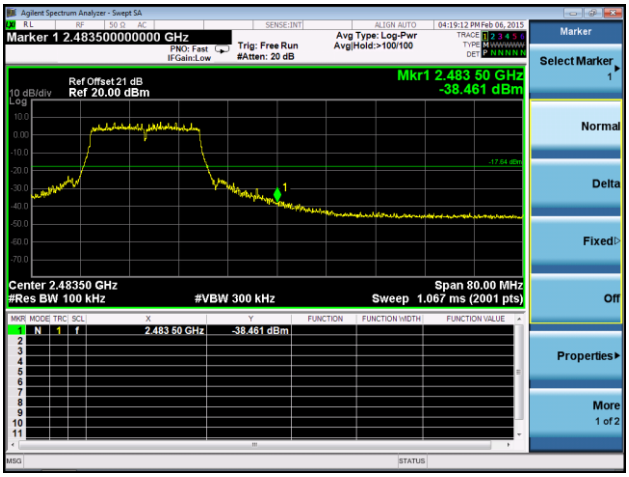
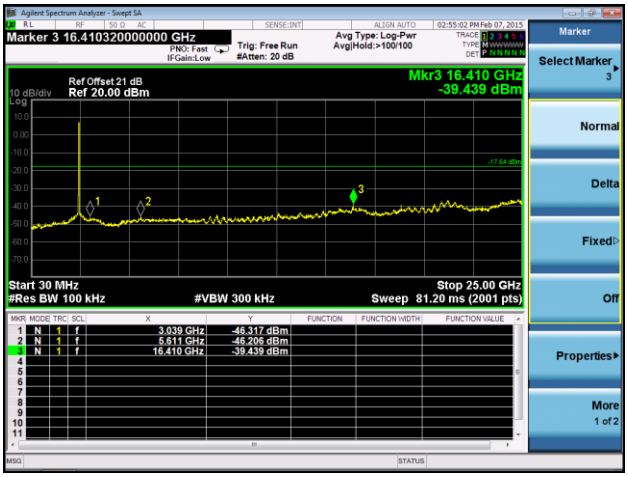

#### Spurious Emission




### Channel 06 (2437MHz)

#### Spurious Emission



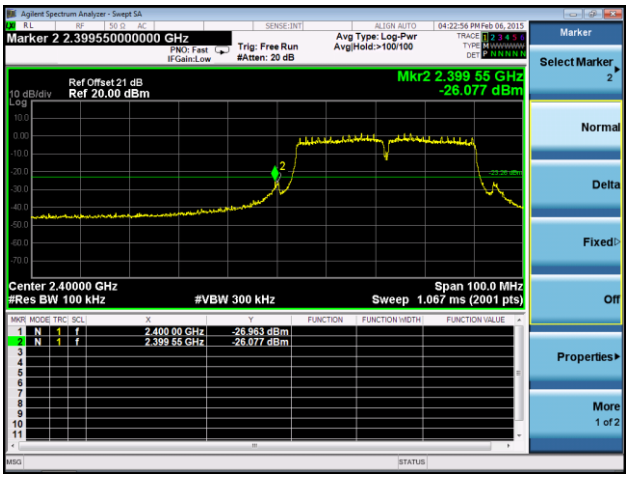
| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

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

### 100kHz PSD reference Level


### Channel 03 (2422MHz)

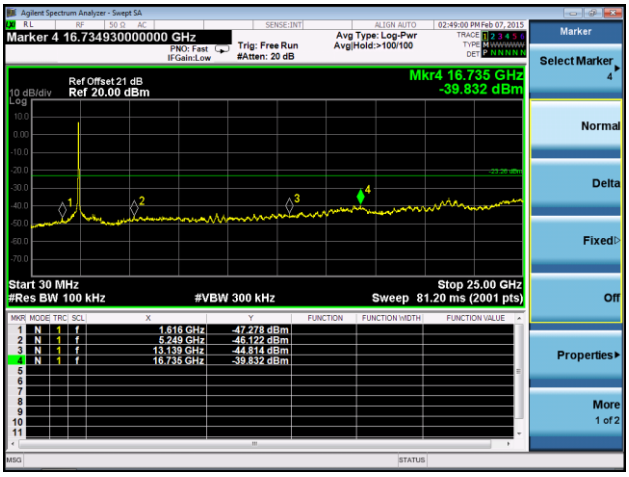
#### Low Band Edge

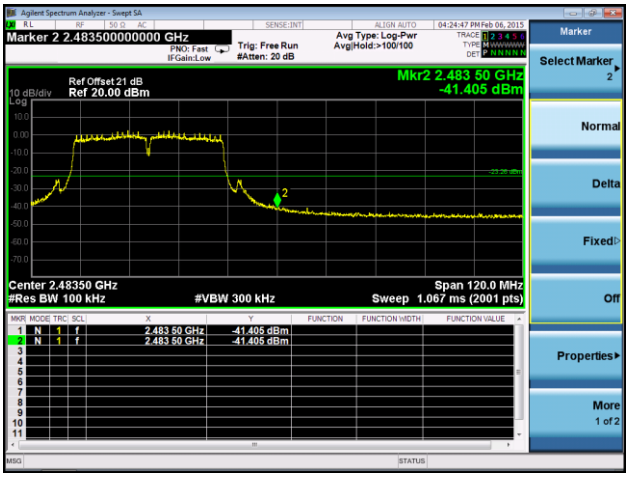
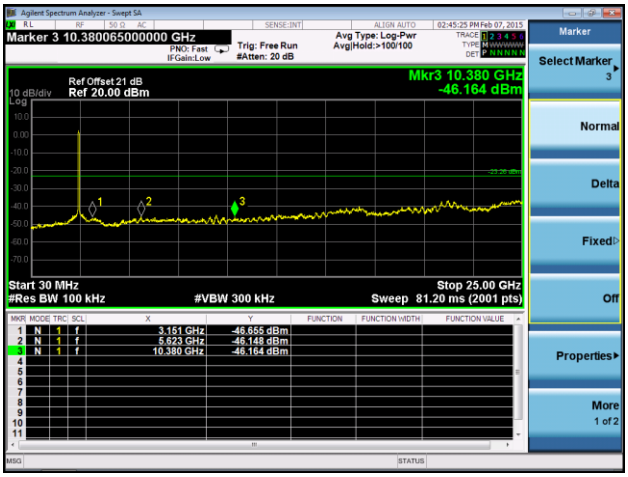



#### Spurious Emission


### Channel 06 (2437MHz)

#### Spurious Emission



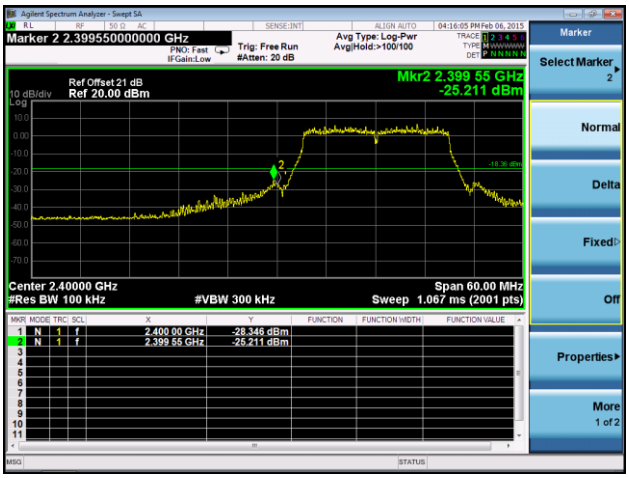
| Channel 9 (2452MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

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

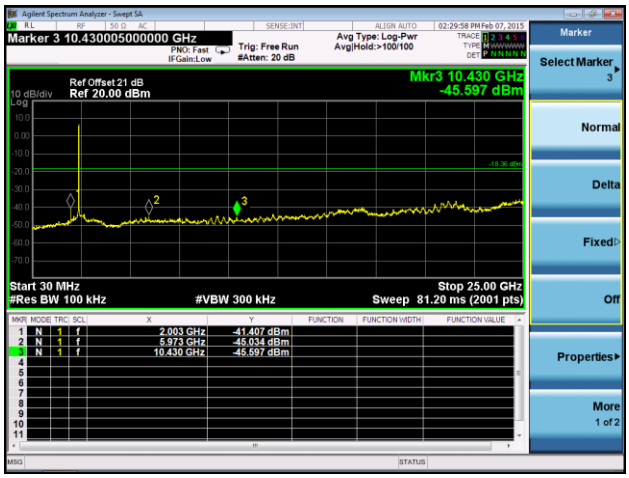
### 100kHz PSD reference Level


### Channel 01 (2412MHz)

#### Low Band Edge

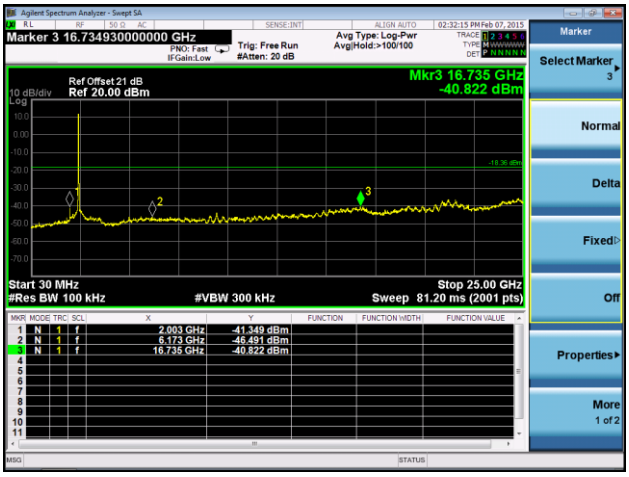


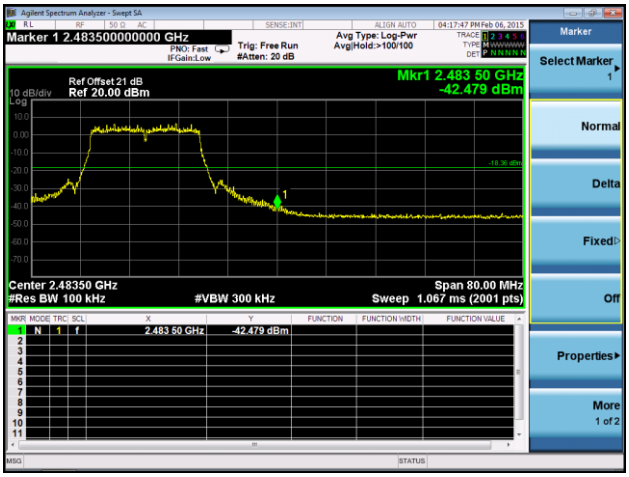
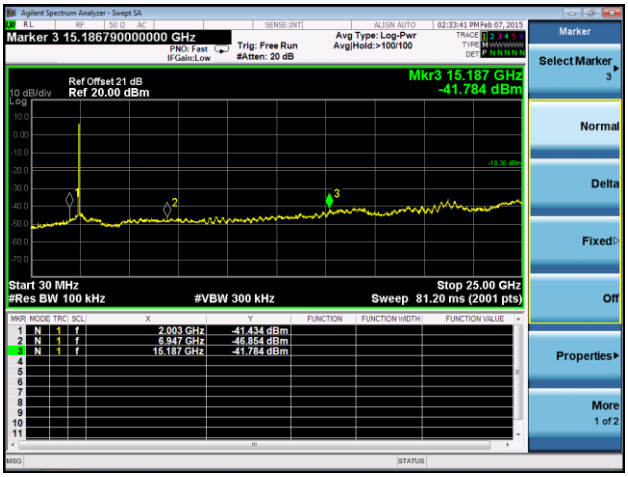

#### Spurious Emission




### Channel 06 (2437MHz)

#### Spurious Emission

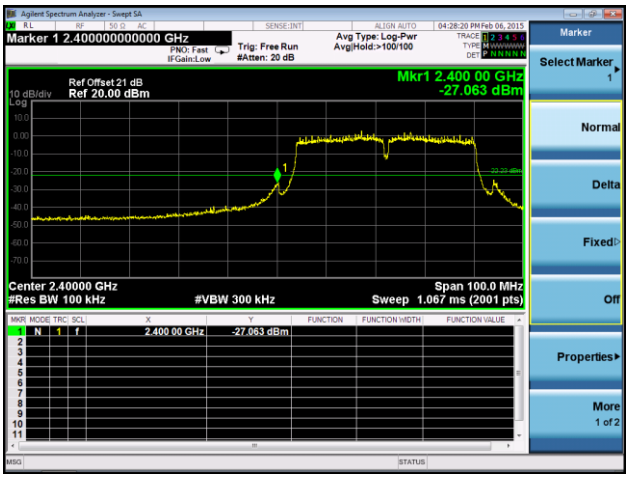
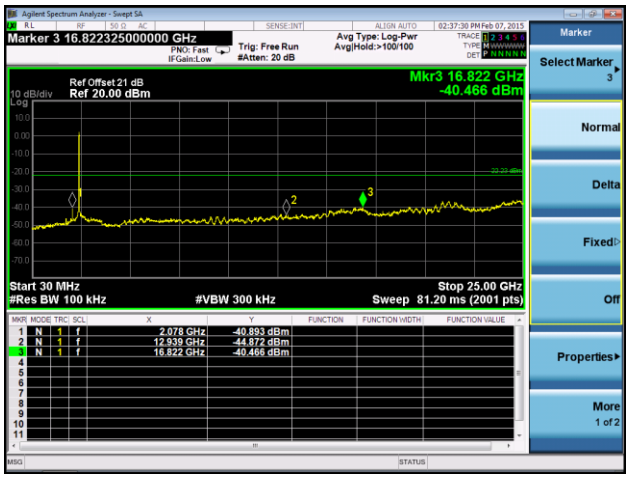


| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

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

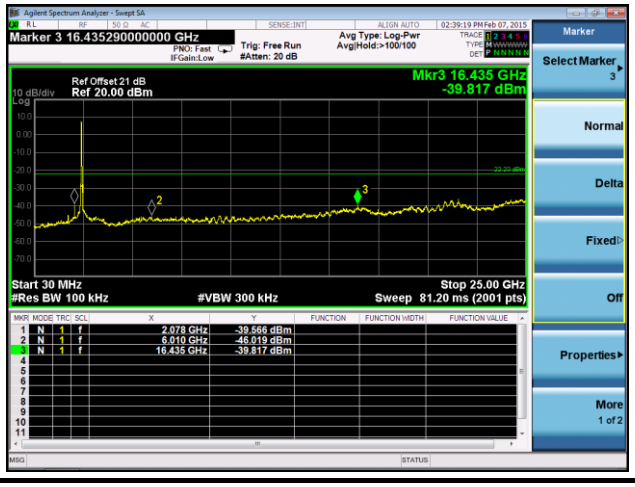
### 100kHz PSD reference Level

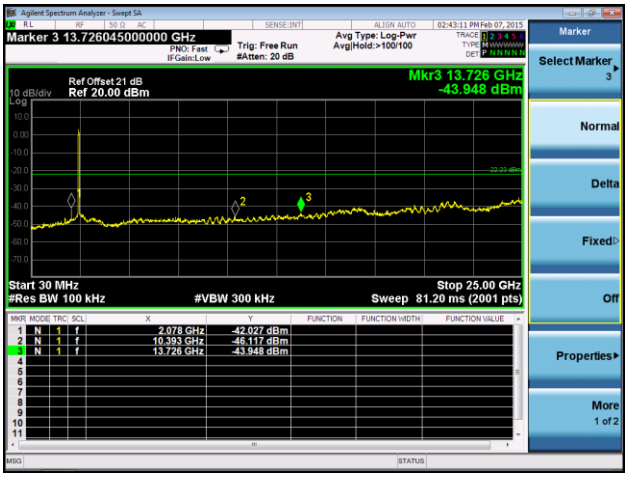

### Channel 03 (2422MHz)

| Low Band Edge | Spurious Emission |
|---|---|
|  |  |



### Channel 06 (2437MHz)

| Spurious Emission | |
|---|---|
|  | |

| Channel 9 (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**

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**

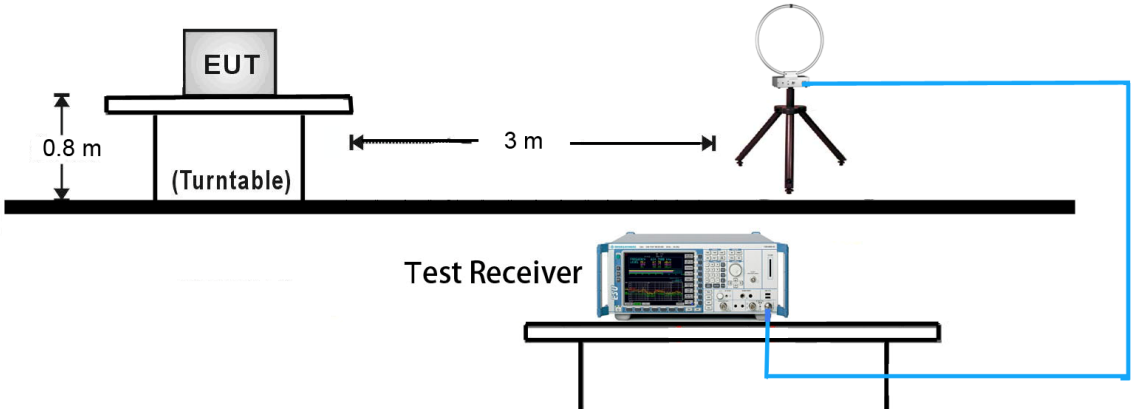
| Frequency | RBW |
|---|---|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

**Average Field Strength Measurements**

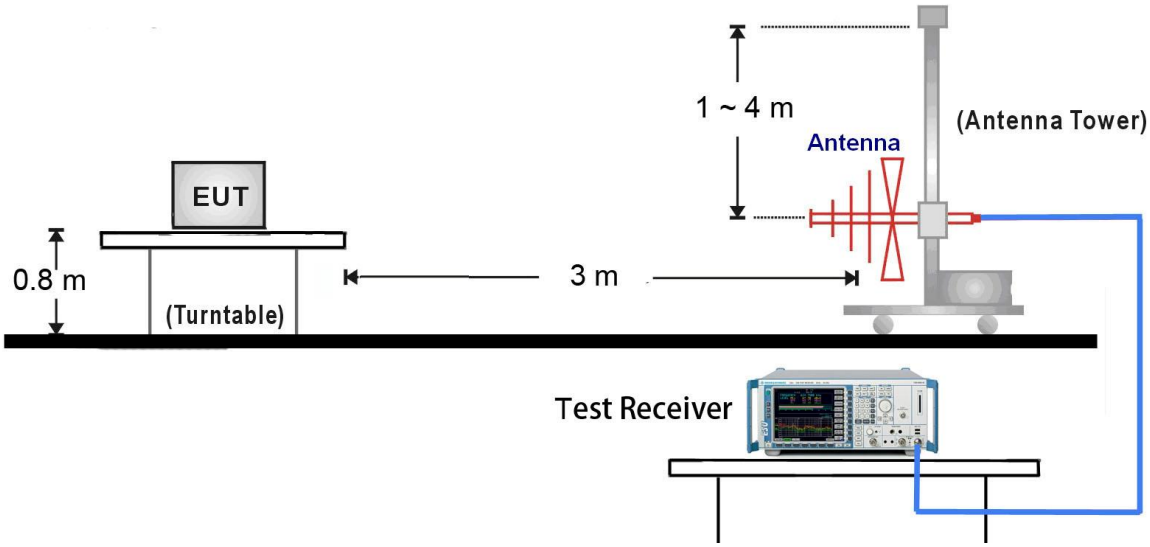
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

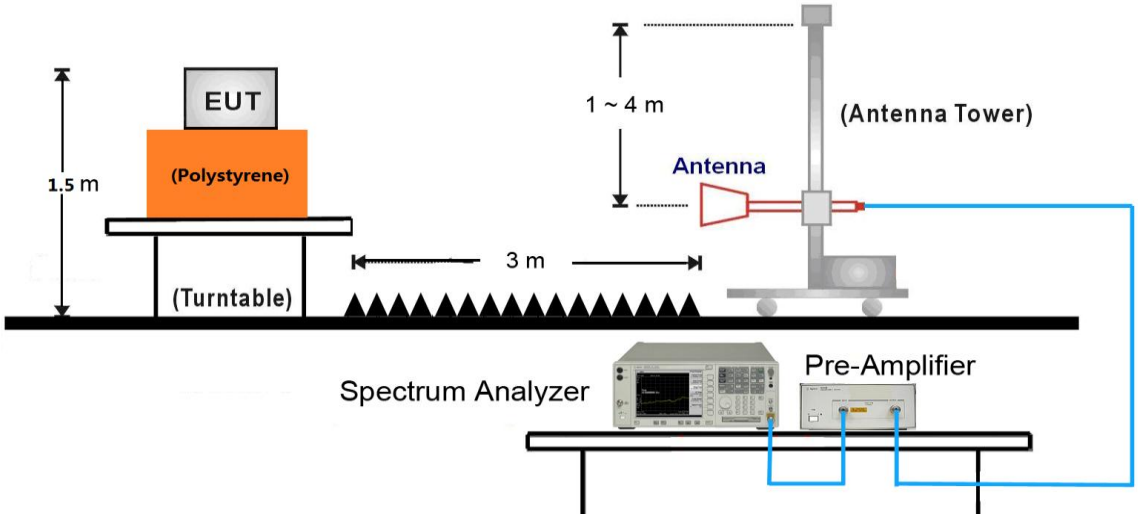
9kHz ~ 30MHz Test Setup:



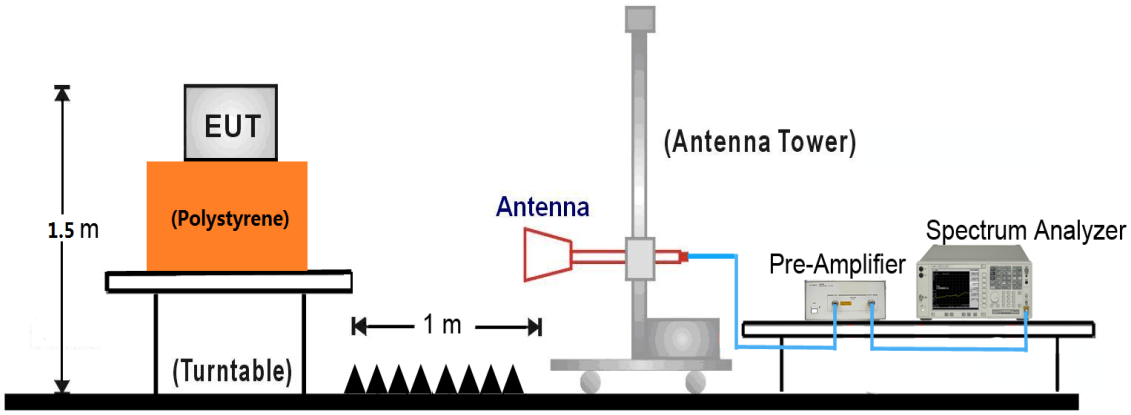

30MHz ~ 1GHz Test Setup:



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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3932.5 | 39.7 | 0.3 | 40.0 | 74.0 | -34.0 | Peak | Horizontal |
| | 4825.0 | 40.6 | 2.7 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| * | 6431.5 | 41.1 | 5.6 | 46.7 | 91.2 | -44.5 | Peak | Horizontal |
| * | 8514.0 | 37.8 | 8.4 | 46.2 | 91.2 | -45.0 | Peak | Horizontal |
| | 3660.5 | 40.2 | -0.6 | 39.6 | 74.0 | -34.4 | Peak | Vertical |
| | 4825.0 | 39.9 | 2.7 | 42.6 | 74.0 | -31.4 | Peak | Vertical |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 91.2 | -45.0 | Peak | Vertical |
| * | 9959.0 | 37.3 | 11.4 | 48.7 | 91.2 | -42.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/m).

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

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

| Test Mode: | 802.11b - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3726.4 | 37.9 | -0.5 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| | 4876.0 | 40.1 | 2.7 | 42.8 | 74.0 | -31.2 | Peak | Horizontal |
| * | 6431.5 | 42.0 | 5.6 | 47.6 | 91.1 | -43.5 | Peak | Horizontal |
| * | 7826.4 | 36.6 | 8.4 | 45.0 | 91.1 | -46.1 | Peak | Horizontal |
| | 3726.7 | 37.4 | -0.5 | 36.9 | 74.0 | -37.1 | Peak | Vertical |
| | 4876.0 | 38.9 | 2.7 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 91.1 | -44.9 | Peak | Vertical |
| * | 9212.3 | 35.8 | 10.1 | 45.9 | 91.1 | -45.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.1dBμV/m).

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

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

| Test Mode: | 802.11b - Ant 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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3643.7 | 39.1 | -0.6 | 38.5 | 74.0 | -35.5 | Peak | Horizontal |
| | 4927.0 | 39.7 | 2.8 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| * | 6431.5 | 40.9 | 5.6 | 46.5 | 90.9 | -44.4 | Peak | Horizontal |
| * | 8623.6 | 36.3 | 8.8 | 45.1 | 90.9 | -45.8 | Peak | Horizontal |
| | 3743.7 | 37.2 | -0.4 | 36.8 | 74.0 | -37.2 | Peak | Vertical |
| | 4544.5 | 38.5 | 1.8 | 40.3 | 74.0 | -33.7 | Peak | Vertical |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 90.9 | -44.7 | Peak | Vertical |
| * | 7915.7 | 36.5 | 8.4 | 44.9 | 90.9 | -46.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.9dBμV/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: | 802.11g - 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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3685.4 | 39.1 | -0.6 | 38.5 | 74.0 | -35.5 | Peak | Horizontal |
| | 5406.4 | 36.8 | 3.2 | 40.0 | 74.0 | -34.0 | Peak | Horizontal |
| * | 6431.5 | 41.4 | 5.6 | 47.0 | 92.0 | -45.0 | Peak | Horizontal |
| * | 8629.7 | 36.0 | 8.8 | 44.8 | 92.0 | -47.2 | Peak | Horizontal |
| | 3782.7 | 37.4 | -0.3 | 37.1 | 74.0 | -36.9 | Peak | Vertical |
| | 4623.7 | 37.5 | 2.1 | 39.6 | 74.0 | -34.4 | Peak | Vertical |
| * | 6431.5 | 40.7 | 5.6 | 46.3 | 92.0 | -45.7 | Peak | Vertical |
| * | 8726.7 | 36.0 | 9.0 | 45.0 | 92.0 | -47.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.0dBμV/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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 4799.5 | 38.2 | 2.7 | 40.9 | 74.0 | -33.1 | Peak | Horizontal |
| | 7307.0 | 41.5 | 8.0 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 8548.0 | 38.3 | 8.6 | 46.9 | 91.8 | -44.9 | Peak | Horizontal |
| * | 10596.5 | 36.5 | 12.4 | 48.9 | 91.8 | -42.9 | Peak | Horizontal |
| | 4876.0 | 38.9 | 2.7 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| | 7298.5 | 40.1 | 8.0 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 8769.0 | 37.6 | 8.9 | 46.5 | 91.8 | -45.3 | Peak | Vertical |
| * | 10129.0 | 36.1 | 11.6 | 47.7 | 91.8 | -44.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.8dBμV/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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3286.5 | 43.4 | -1.8 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| | 4969.5 | 38.9 | 3.0 | 41.9 | 74.0 | -32.1 | Peak | Horizontal |
| * | 6431.5 | 40.9 | 5.6 | 46.5 | 91.7 | -45.2 | Peak | Horizontal |
| * | 7868.0 | 38.0 | 8.4 | 46.4 | 91.7 | -45.3 | Peak | Horizontal |
| | 3826.6 | 38.2 | -0.1 | 38.1 | 74.0 | -35.9 | Peak | Vertical |
| | 5423.7 | 36.5 | 3.3 | 39.8 | 74.0 | -34.2 | Peak | Vertical |
| * | 6431.5 | 41.9 | 5.6 | 47.5 | 91.7 | -44.2 | Peak | Vertical |
| * | 8673.3 | 36.3 | 8.9 | 45.2 | 91.7 | -46.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.7dBμV/m).

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3726.7 | 37.8 | -0.5 | 37.3 | 74.0 | -36.7 | Peak | Horizontal |
| | 5416.4 | 36.1 | 3.3 | 39.4 | 74.0 | -34.6 | Peak | Horizontal |
| * | 7817.0 | 37.2 | 8.4 | 45.6 | 89.9 | -44.3 | Peak | Horizontal |
| * | 9206.4 | 35.9 | 10.1 | 46.0 | 89.9 | -43.9 | Peak | Horizontal |
| | 3785.4 | 37.7 | -0.3 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| | 4615.4 | 37.4 | 2.1 | 39.5 | 74.0 | -34.5 | Peak | Vertical |
| * | 6431.5 | 40.2 | 5.6 | 45.8 | 89.9 | -44.1 | Peak | Vertical |
| * | 8613.7 | 35.9 | 8.8 | 44.7 | 89.9 | -45.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc 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: | 802.11n-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.<br>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 | 38.4 | 2.7 | 41.1 | 74.0 | -32.9 | Peak | Horizontal |
| | 7307.0 | 40.2 | 8.0 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 9551.0 | 36.5 | 10.8 | 47.3 | 91.2 | -43.9 | Peak | Horizontal |
| * | 10579.5 | 35.8 | 12.4 | 48.2 | 91.2 | -43.0 | Peak | Horizontal |
| | 4689.0 | 38.7 | 2.3 | 41.0 | 74.0 | -33.0 | Peak | Vertical |
| | 7324.0 | 40.7 | 8.0 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 8420.5 | 37.9 | 8.2 | 46.1 | 91.2 | -45.1 | Peak | Vertical |
| * | 10418.0 | 36.5 | 12.2 | 48.7 | 91.2 | -42.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/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 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3286.5 | 43.8 | -1.8 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| | 4247.0 | 39.1 | 0.9 | 40.0 | 74.0 | -34.0 | Peak | Horizontal |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 89.6 | -43.4 | Peak | Horizontal |
| * | 7868.0 | 37.7 | 8.4 | 46.1 | 89.6 | -43.5 | Peak | Horizontal |
| | 3786.3 | 37.8 | -0.3 | 37.5 | 74.0 | -36.5 | Peak | Vertical |
| | 5413.6 | 35.8 | 3.2 | 39.0 | 74.0 | -35.0 | Peak | Vertical |
| * | 6431.5 | 40.8 | 5.6 | 46.4 | 89.6 | -43.2 | Peak | Vertical |
| * | 8753.7 | 35.4 | 9.0 | 44.4 | 89.6 | -45.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.6dBμV/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: | 03 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3756.7 | 38.0 | -0.4 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| | 4956.4 | 37.2 | 2.9 | 40.1 | 74.0 | -33.9 | Peak | Horizontal |
| * | 6431.5 | 40.1 | 5.6 | 45.7 | 83.8 | -38.1 | Peak | Horizontal |
| * | 8623.7 | 35.6 | 8.8 | 44.4 | 83.8 | -39.4 | Peak | Horizontal |
| | 3782.7 | 37.3 | -0.3 | 37.0 | 74.0 | -37.0 | Peak | Vertical |
| | 4865.9 | 36.1 | 2.7 | 38.8 | 74.0 | -35.2 | Peak | Vertical |
| * | 6431.5 | 40.5 | 5.6 | 46.1 | 83.8 | -37.7 | Peak | Vertical |
| * | 8645.4 | 35.7 | 8.8 | 44.5 | 83.8 | -39.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.8dBμV/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: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3783.7 | 38.2 | -0.3 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| | 4826.4 | 35.9 | 2.7 | 38.6 | 74.0 | -35.4 | Peak | Horizontal |
| * | 6431.5 | 41.1 | 5.6 | 46.7 | 92.3 | -45.6 | Peak | Horizontal |
| * | 8642.4 | 35.6 | 8.8 | 44.4 | 92.3 | -47.9 | Peak | Horizontal |
| | 3726.4 | 37.0 | -0.5 | 36.5 | 74.0 | -37.5 | Peak | Vertical |
| | 4874.0 | 36.1 | 2.7 | 38.8 | 74.0 | -35.2 | Peak | Vertical |
| * | 6431.5 | 39.9 | 5.6 | 45.5 | 92.3 | -46.8 | Peak | Vertical |
| * | 8612.7 | 35.2 | 8.8 | 44.0 | 92.3 | -48.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.3dBμV/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 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 09 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3846.7 | 37.4 | 0.0 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| | 4827.0 | 36.0 | 2.7 | 38.7 | 74.0 | -35.3 | Peak | Horizontal |
| * | 6431.5 | 41.2 | 5.6 | 46.8 | 86.2 | -39.4 | Peak | Horizontal |
| * | 8626.4 | 35.5 | 8.8 | 44.3 | 86.2 | -41.9 | Peak | Horizontal |
| | 3846.4 | 37.4 | 0.0 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| | 4816.4 | 35.8 | 2.7 | 38.5 | 74.0 | -35.5 | Peak | Vertical |
| * | 6431.5 | 40.2 | 5.6 | 45.8 | 86.2 | -40.4 | Peak | Vertical |
| * | 8679.2 | 36.4 | 9.0 | 45.4 | 86.2 | -40.8 | Peak | Vertical |

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

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

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

| Test Mode: | 802.11n-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3715.7 | 37.6 | -0.5 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 4825.0 | 44.8 | 2.7 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
| * | 6431.5 | 40.5 | 5.6 | 46.1 | 85.7 | -39.6 | Peak | Horizontal |
| * | 8820.0 | 37.2 | 9.0 | 46.2 | 85.7 | -39.5 | Peak | Horizontal |
| | 3745.4 | 37.0 | -0.4 | 36.6 | 74.0 | -37.4 | Peak | Vertical |
| | 4825.0 | 42.1 | 2.7 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| * | 6431.5 | 39.5 | 5.6 | 45.1 | 85.7 | -40.6 | Peak | Vertical |
| * | 8626.5 | 35.0 | 8.8 | 43.8 | 85.7 | -41.9 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.7dBμV/m).

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

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

| Test Mode: | 802.11n-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3816.5 | 37.6 | -0.1 | 37.5 | 74.0 | -36.5 | Peak | Horizontal |
| | 4876.0 | 41.2 | 2.7 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| * | 6431.5 | 41.2 | 5.6 | 46.8 | 89.6 | -42.8 | Peak | Horizontal |
| * | 8727.0 | 35.3 | 9.0 | 44.3 | 89.6 | -45.3 | Peak | Horizontal |
| | 3892.7 | 37.7 | 0.2 | 37.9 | 74.0 | -36.1 | Peak | Vertical |
| | 4876.0 | 44.6 | 2.7 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| * | 6431.5 | 40.4 | 5.6 | 46.0 | 89.6 | -43.6 | Peak | Vertical |
| * | 8646.4 | 35.0 | 8.8 | 43.8 | 89.6 | -45.8 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.6dBμV/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-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3826.4 | 37.2 | -0.1 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 4927.0 | 40.0 | 2.8 | 42.8 | 74.0 | -31.2 | Peak | Horizontal |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 86.7 | -40.5 | Peak | Horizontal |
| * | 8653.7 | 35.4 | 8.8 | 44.2 | 86.7 | -42.5 | Peak | Horizontal |
| | 3792.7 | 37.8 | -0.2 | 37.6 | 74.0 | -36.4 | Peak | Vertical |
| | 4927.0 | 45.9 | 2.8 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 6431.5 | 40.8 | 5.6 | 46.4 | 86.7 | -40.3 | Peak | Vertical |
| * | 7893.5 | 38.8 | 8.3 | 47.1 | 86.7 | -39.6 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.7dBμV/m).

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

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

| Test Mode: | 802.11n-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3746.6 | 38.4 | -0.4 | 38.0 | 74.0 | -36.0 | Peak | Horizontal |
| | 4856.4 | 37.1 | 2.7 | 39.8 | 74.0 | -34.2 | Peak | Horizontal |
| * | 6431.5 | 40.2 | 5.6 | 45.8 | 80.7 | -34.9 | Peak | Horizontal |
| * | 7851.0 | 37.4 | 8.4 | 45.8 | 80.7 | -34.9 | Peak | Horizontal |
| | 3726.4 | 37.1 | -0.5 | 36.6 | 74.0 | -37.4 | Peak | Vertical |
| | 4892.4 | 37.8 | 2.7 | 40.5 | 74.0 | -33.5 | Peak | Vertical |
| * | 6431.5 | 39.9 | 5.6 | 45.5 | 80.7 | -35.2 | Peak | Vertical |
| * | 7851.0 | 38.6 | 8.4 | 47.0 | 80.7 | -33.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.7dBμV/m).

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

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

| Test Mode: | 802.11n-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3846.3 | 37.4 | 0.0 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| | 4884.5 | 40.2 | 2.7 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| * | 6431.5 | 40.3 | 5.6 | 45.9 | 91.2 | -45.3 | Peak | Horizontal |
| * | 7944.5 | 37.3 | 8.5 | 45.8 | 91.2 | -45.4 | Peak | Horizontal |
| | 3765.7 | 38.0 | -0.3 | 37.7 | 74.0 | -36.3 | Peak | Vertical |
| | 4867.5 | 45.0 | 2.7 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| * | 6431.5 | 40.7 | 5.6 | 46.3 | 91.2 | -44.9 | Peak | Vertical |
| * | 8616.4 | 35.6 | 8.8 | 44.4 | 91.2 | -46.8 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/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-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3763.7 | 37.4 | -0.3 | 37.1 | 74.0 | -36.9 | Peak | Horizontal |
| | 4826.5 | 36.6 | 2.7 | 39.3 | 74.0 | -34.7 | Peak | Horizontal |
| * | 6431.5 | 40.6 | 5.6 | 46.2 | 82.4 | -36.2 | Peak | Horizontal |
| * | 7927.5 | 37.7 | 8.5 | 46.2 | 82.4 | -36.2 | Peak | Horizontal |
| | 3762.4 | 37.5 | -0.4 | 37.1 | 74.0 | -36.9 | Peak | Vertical |
| | 4910.0 | 39.8 | 2.7 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| * | 6431.5 | 39.9 | 5.6 | 45.5 | 82.4 | -36.9 | Peak | Vertical |
| * | 8645.4 | 35.3 | 8.8 | 44.1 | 82.4 | -38.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (102.4dBμV/m).

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3842.5 | 37.6 | 0.0 | 37.6 | 74.0 | -36.4 | Peak | Horizontal |
| | 4816.5 | 42.7 | 2.7 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 6431.5 | 39.9 | 5.6 | 45.5 | 90.5 | -45.0 | Peak | Horizontal |
| * | 8593.7 | 35.9 | 8.7 | 44.6 | 90.5 | -45.9 | Peak | Horizontal |
| | 3757.0 | 37.8 | -0.4 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| | 4825.0 | 43.4 | 2.7 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| * | 6431.5 | 40.2 | 5.6 | 45.8 | 90.5 | -44.7 | Peak | Vertical |
| * | 7077.5 | 38.4 | 7.3 | 45.7 | 90.5 | -44.8 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.5dBμV/m).

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

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

| Test Mode: | 802.11n-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.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3826.4 | 38.0 | -0.1 | 37.9 | 74.0 | -36.1 | Peak | Horizontal |
| | 4867.5 | 43.1 | 2.7 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 6431.5 | 40.4 | 5.6 | 46.0 | 90.7 | -44.7 | Peak | Horizontal |
| * | 8626.4 | 36.0 | 8.8 | 44.8 | 90.7 | -45.9 | Peak | Horizontal |
| | 3840.3 | 37.4 | 0.0 | 37.4 | 74.0 | -36.6 | Peak | Vertical |
| | 4876.0 | 43.5 | 2.7 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| * | 6431.5 | 40.4 | 5.6 | 46.0 | 90.7 | -44.7 | Peak | Vertical |
| * | 8626.4 | 35.2 | 8.8 | 44.0 | 90.7 | -46.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.7dBμV/m).

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3752.7 | 37.4 | -0.4 | 37.0 | 74.0 | -37.0 | Peak | Horizontal |
| | 4918.5 | 42.6 | 2.8 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 6431.5 | 40.1 | 5.6 | 45.7 | 90.6 | -44.9 | Peak | Horizontal |
| * | 8645.4 | 34.6 | 8.8 | 43.4 | 90.6 | -47.2 | Peak | Horizontal |
| | 3743.7 | 37.2 | -0.4 | 36.8 | 74.0 | -37.2 | Peak | Vertical |
| | 5413.6 | 35.8 | 3.2 | 39.0 | 74.0 | -35.0 | Peak | Vertical |
| * | 6431.5 | 40.8 | 5.6 | 46.4 | 90.6 | -44.2 | Peak | Vertical |
| * | 7915.7 | 36.5 | 8.4 | 44.9 | 90.6 | -45.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.6dBμV/m).

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 03 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
| | 3752.4 | 37.8 | -0.4 | 37.4 | 74.0 | -36.6 | Peak | Horizontal |
| | 4853.7 | 36.8 | 2.7 | 39.5 | 74.0 | -34.5 | Peak | Horizontal |
| * | 6431.5 | 39.9 | 5.6 | 45.5 | 84.4 | -38.9 | Peak | Horizontal |
| * | 8649.9 | 36.4 | 8.8 | 45.2 | 84.4 | -39.2 | Peak | Horizontal |
| | 3752.4 | 37.2 | -0.4 | 36.8 | 74.0 | -37.2 | Peak | Vertical |
| | 4853.7 | 37.0 | 2.7 | 39.7 | 74.0 | -34.3 | Peak | Vertical |
| * | 6431.5 | 40.0 | 5.6 | 45.6 | 84.4 | -38.8 | Peak | Vertical |
| * | 8616.4 | 35.7 | 8.8 | 44.5 | 84.4 | -39.9 | Peak | Vertical |

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

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

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