

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 Setting

1. Reference level measurement

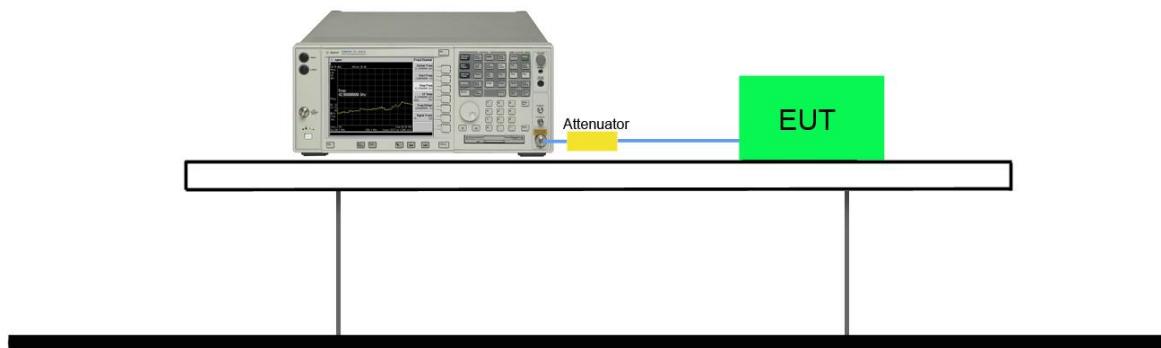
- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to \geq 1.5 times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW \geq 3 x RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

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

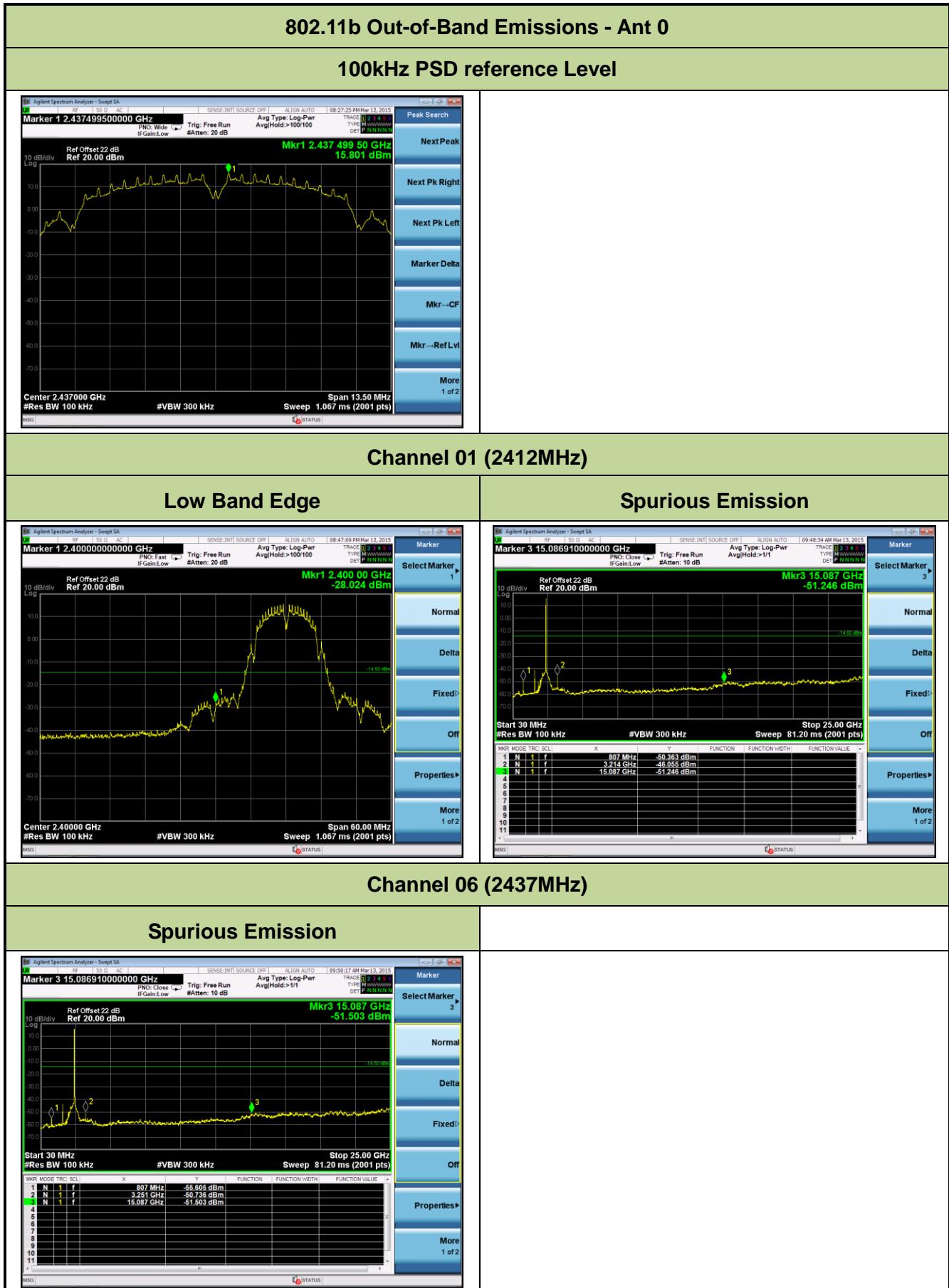
Spectrum Analyzer

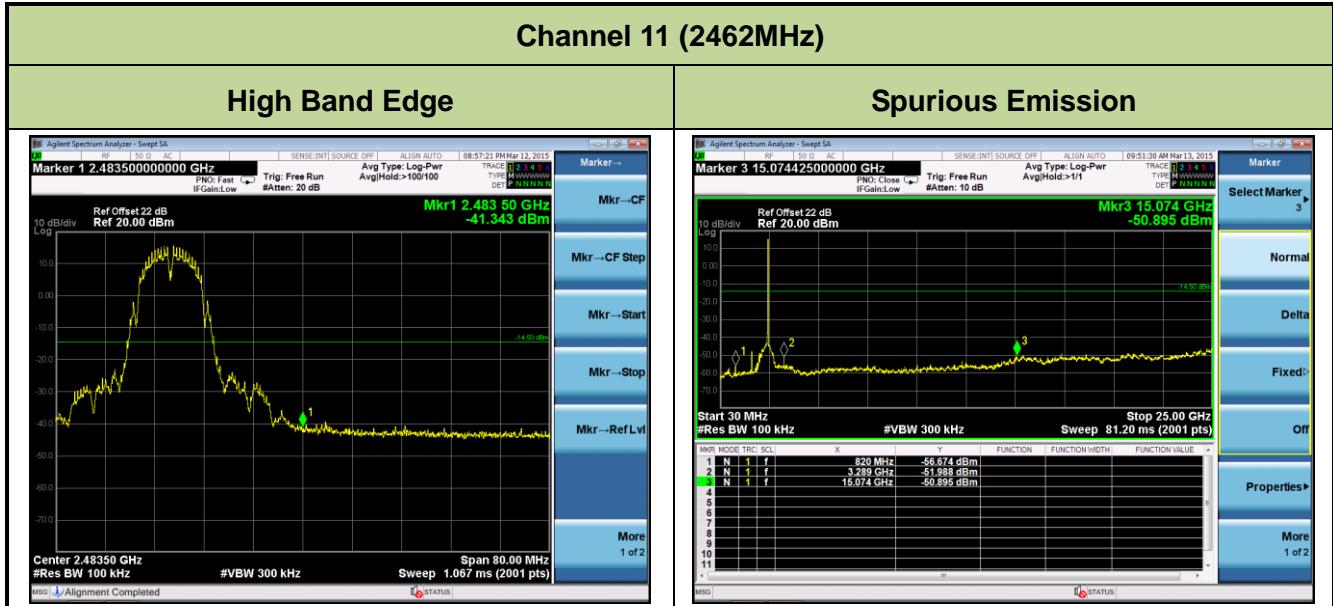


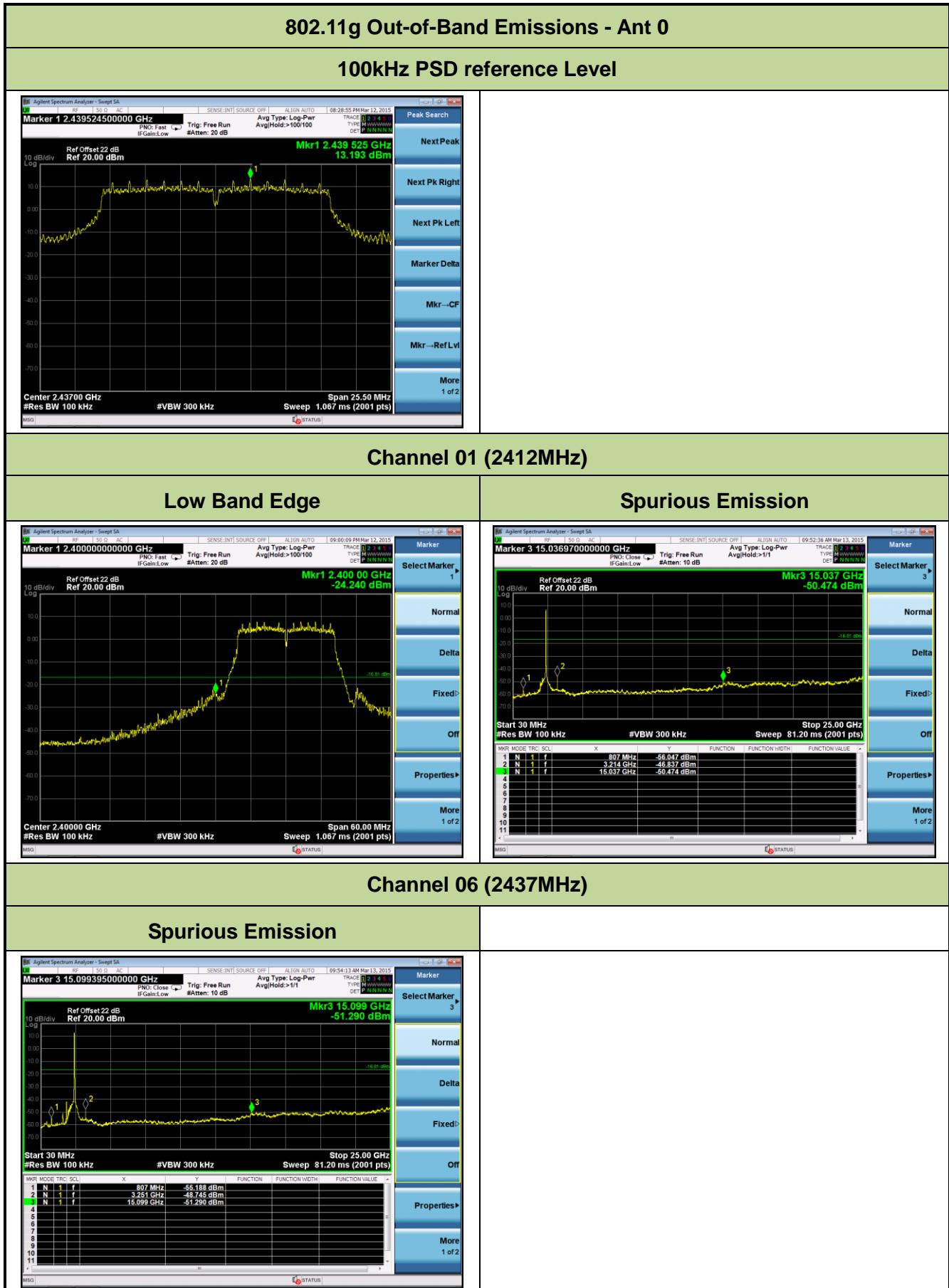
7.5.5. Test Result

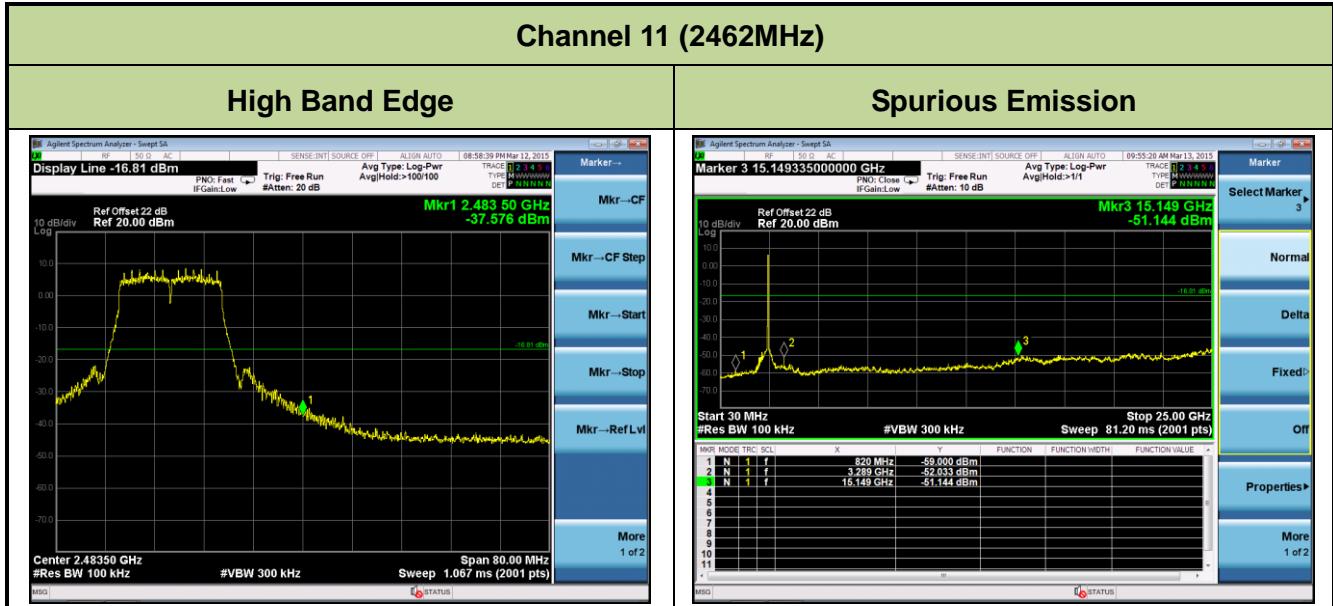
| Test Mode | Data Rate (Mbps) | Channel No. | Frequency (MHz) | Limit | Result |
|--------------|------------------|-------------|-----------------|-------|--------|
| Ant 0 | | | | | |
| 802.11b | 1 | 01 | 2412 | 30dBc | Pass |
| 802.11b | 1 | 06 | 2437 | 30dBc | Pass |
| 802.11b | 1 | 11 | 2462 |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

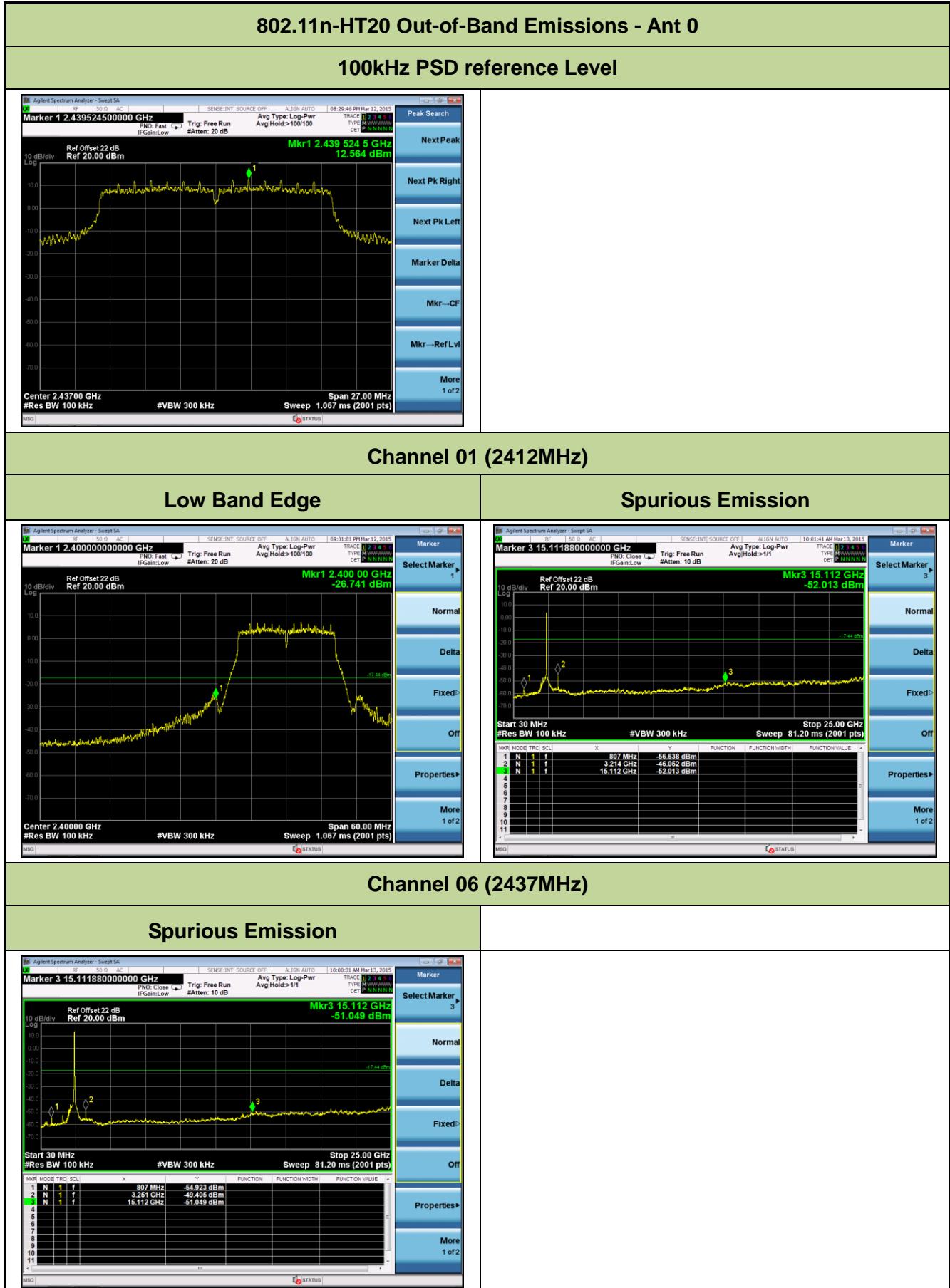
| Test Mode | Data Rate (Mbps) | Channel No. | Frequency (MHz) | Limit | Result |
|-------------------|------------------|-------------|-----------------|-------|--------|
| Ant 0 / Ant 0 + 1 | | | | | |
| 802.11n-HT20 | 6.5 | 01 | 2412 | 30dBc | Pass |
| 802.11n-HT20 | 6.5 | 06 | 2437 | 30dBc | Pass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

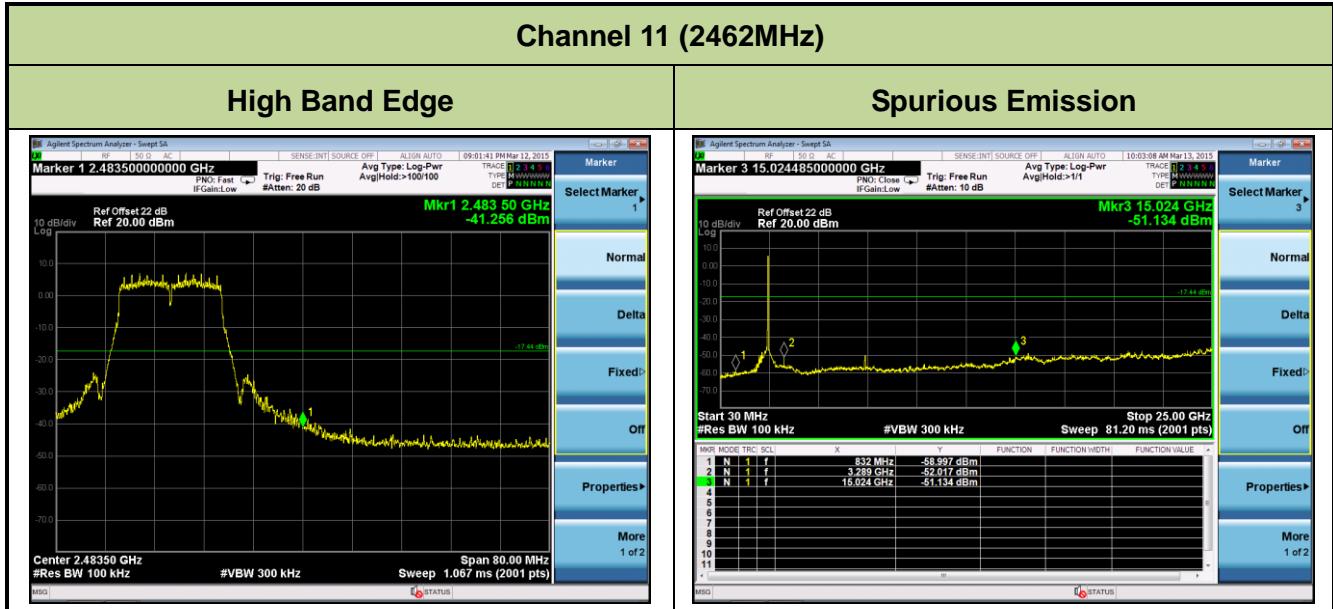


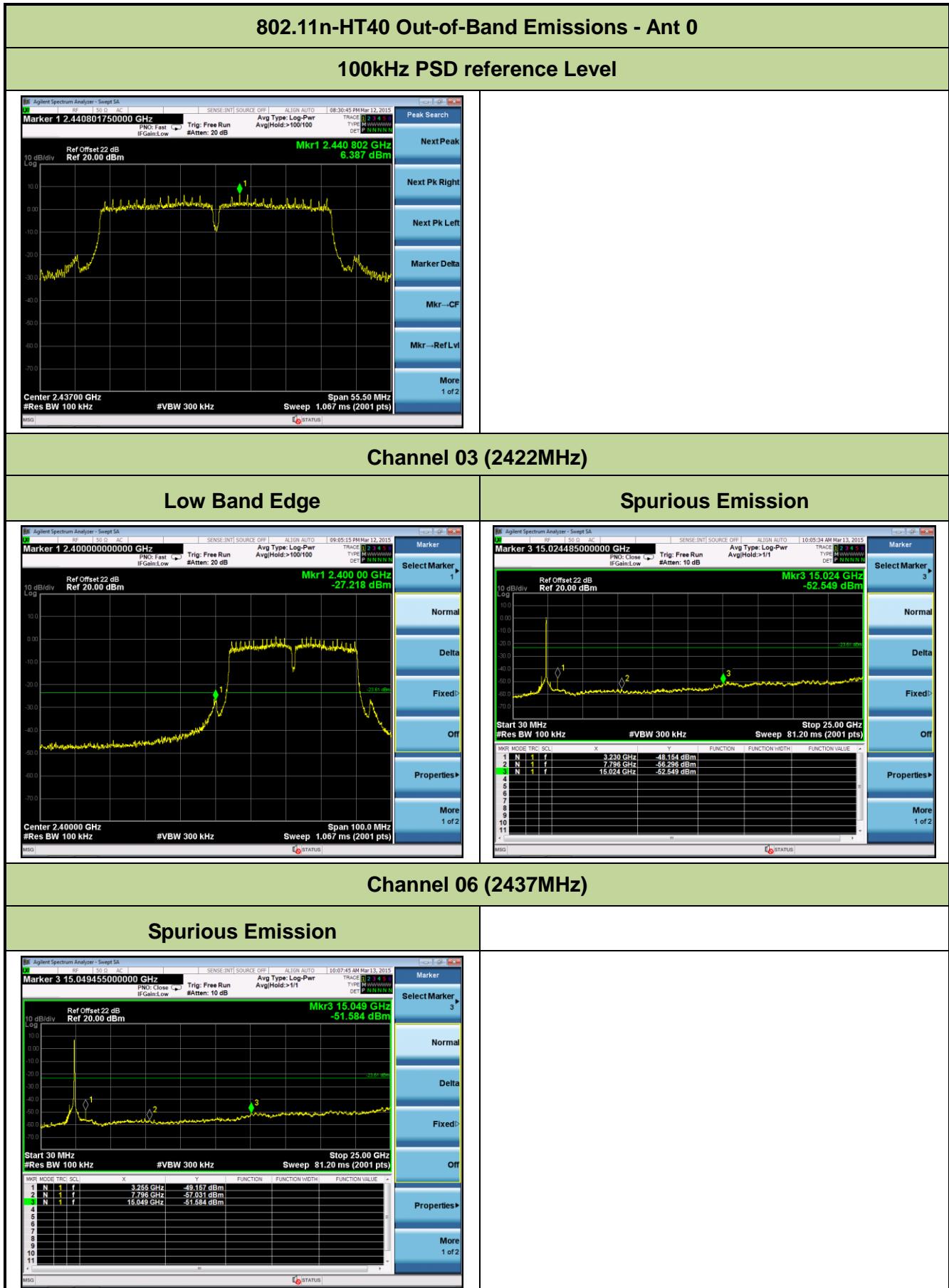


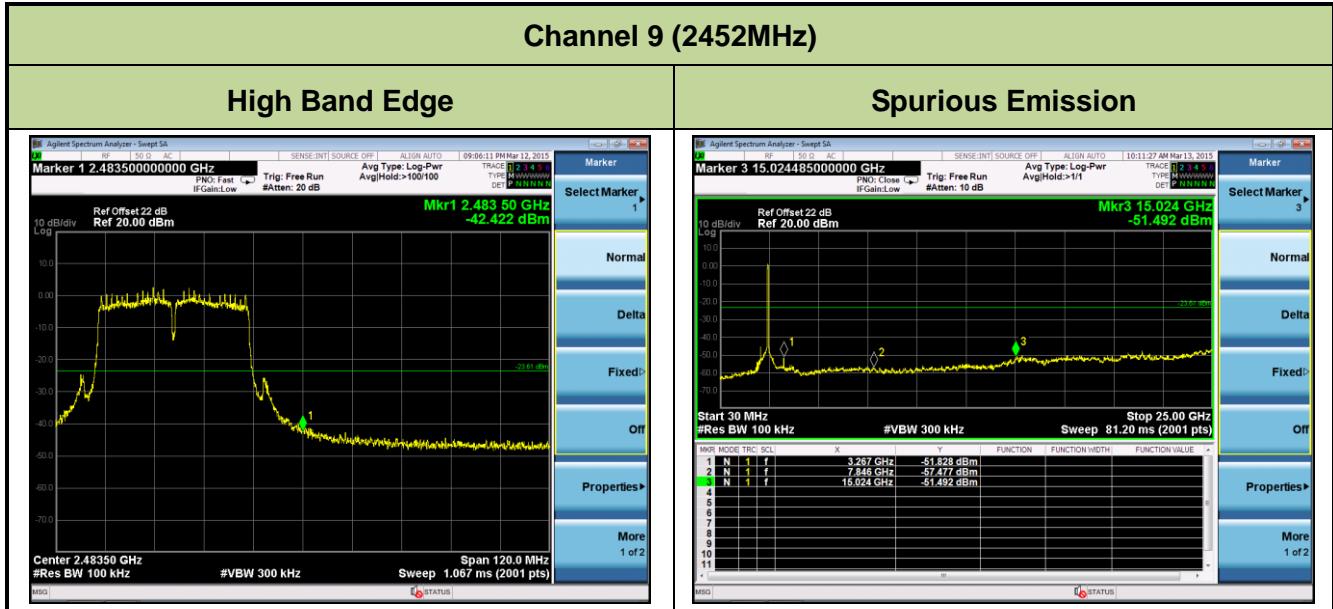


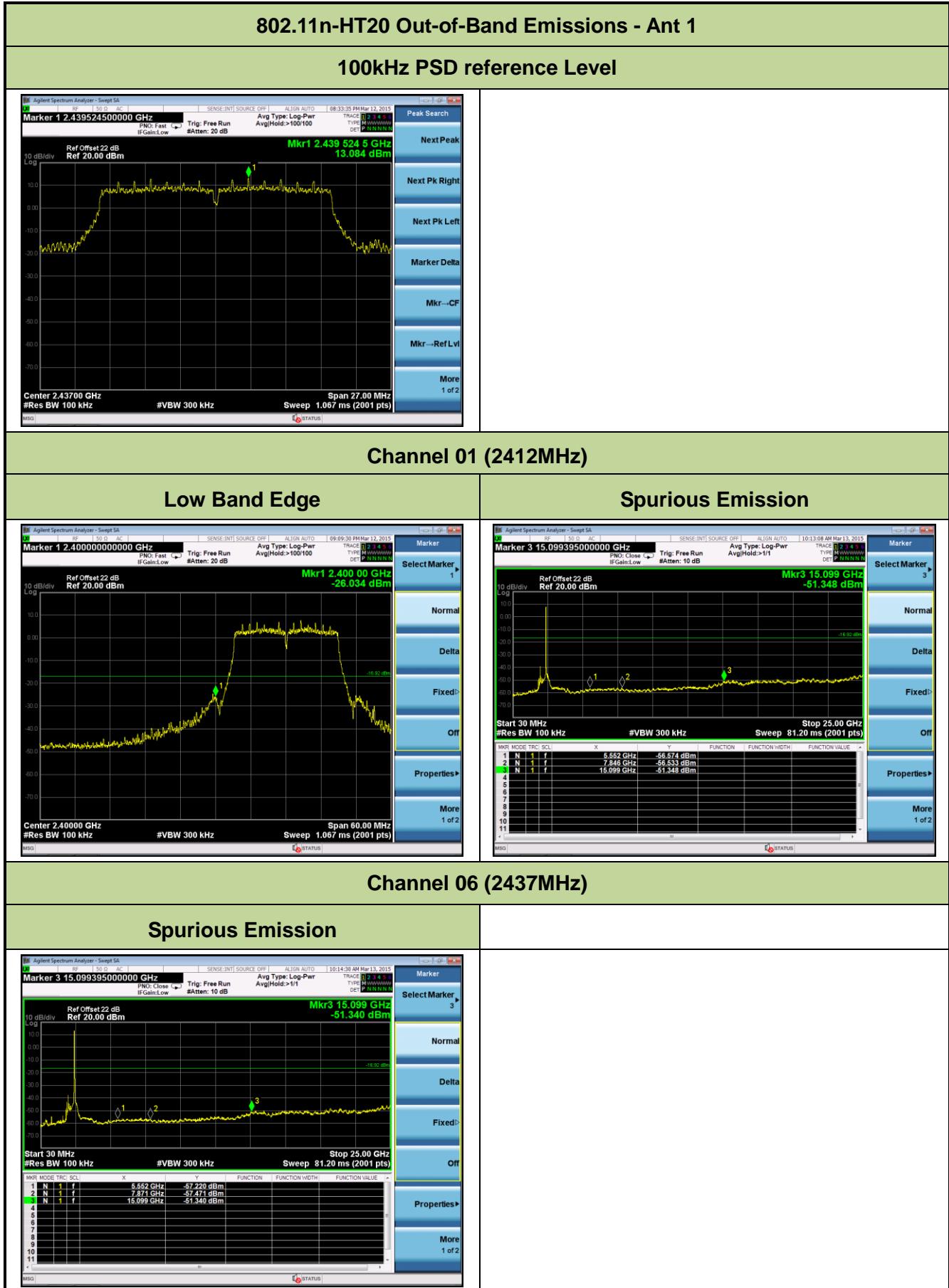


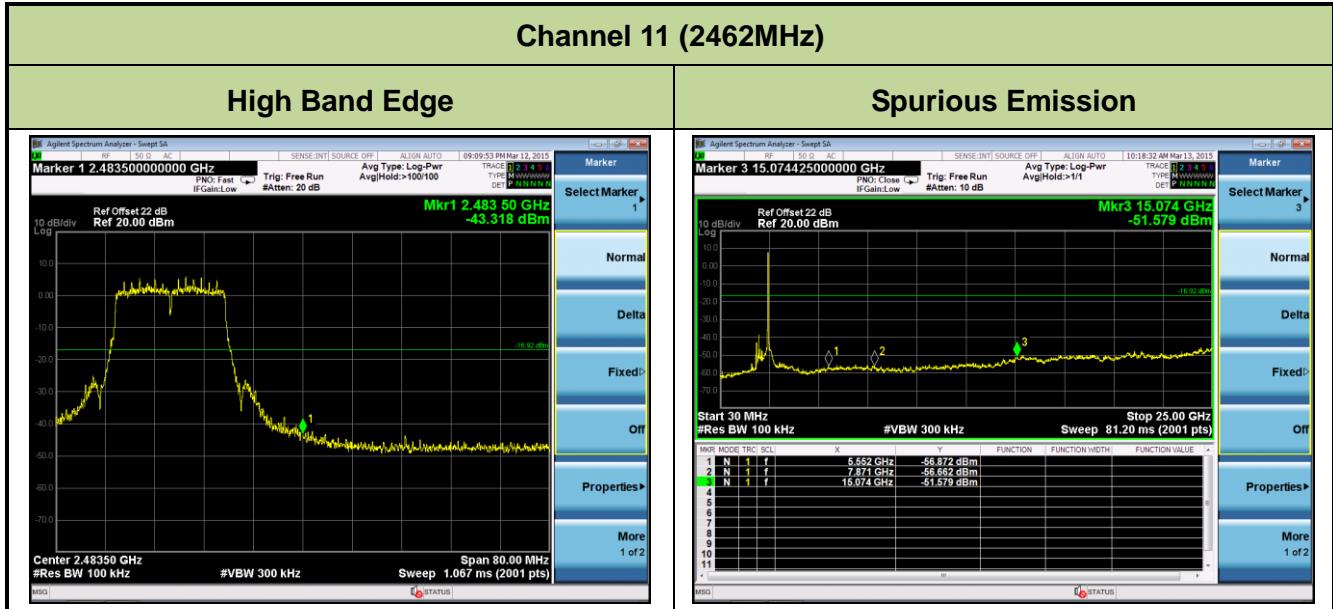


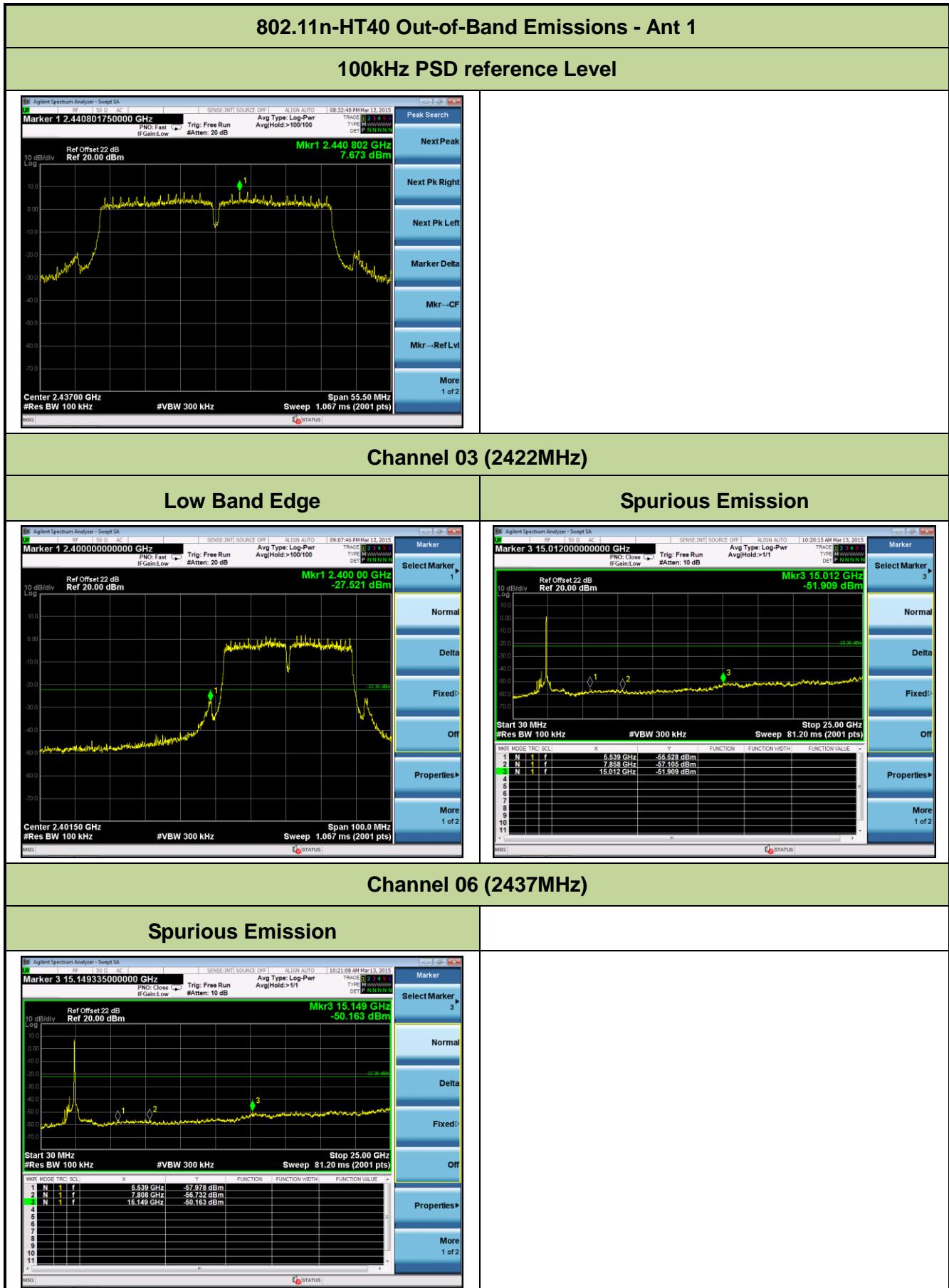


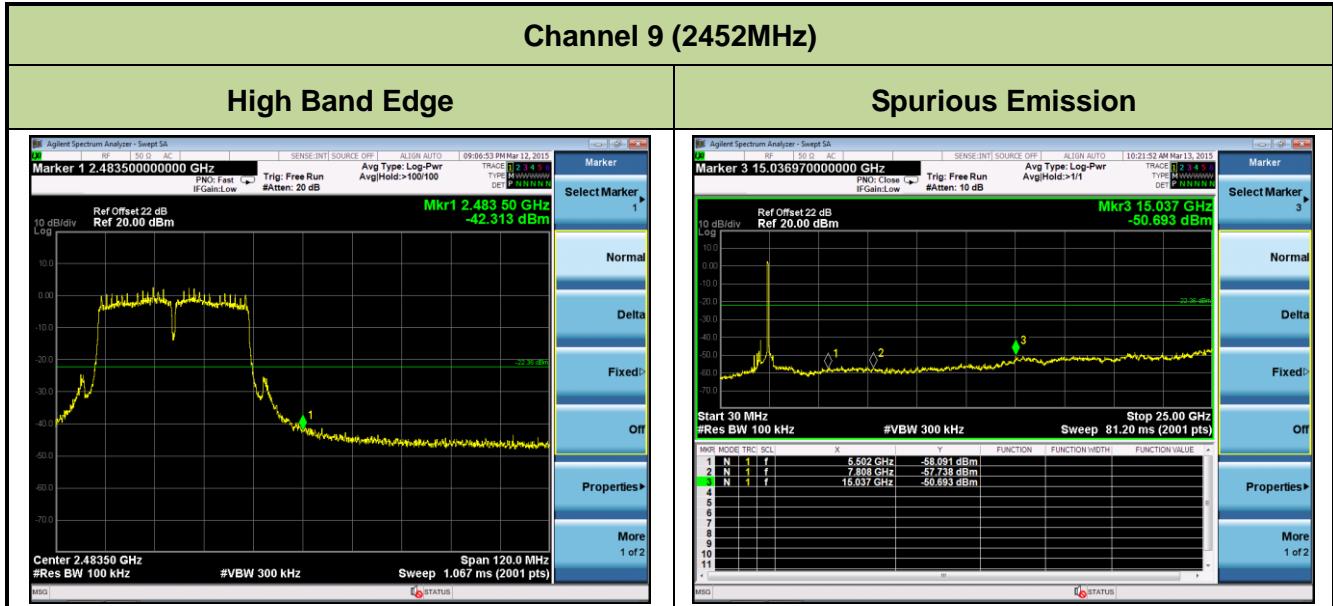


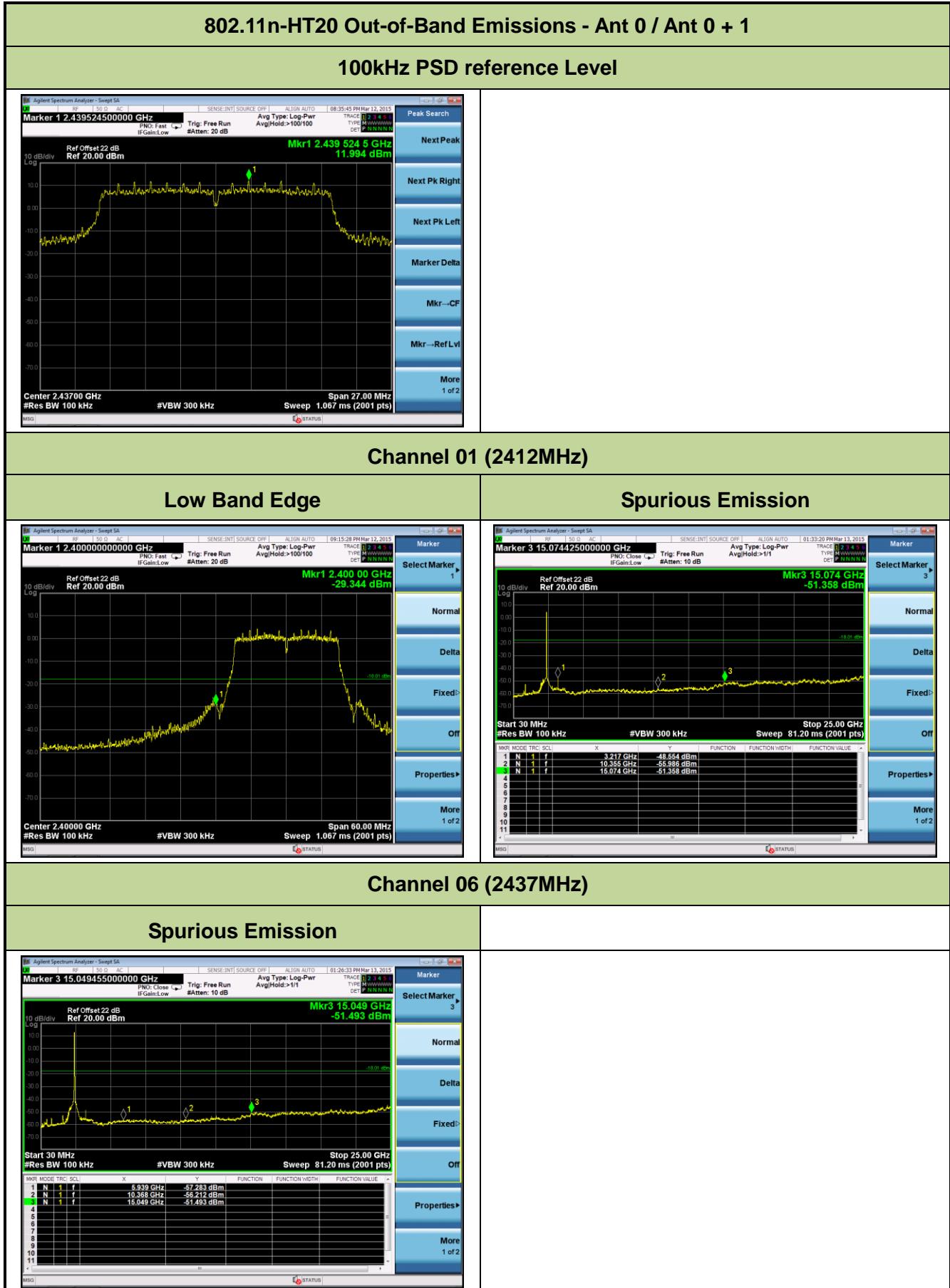


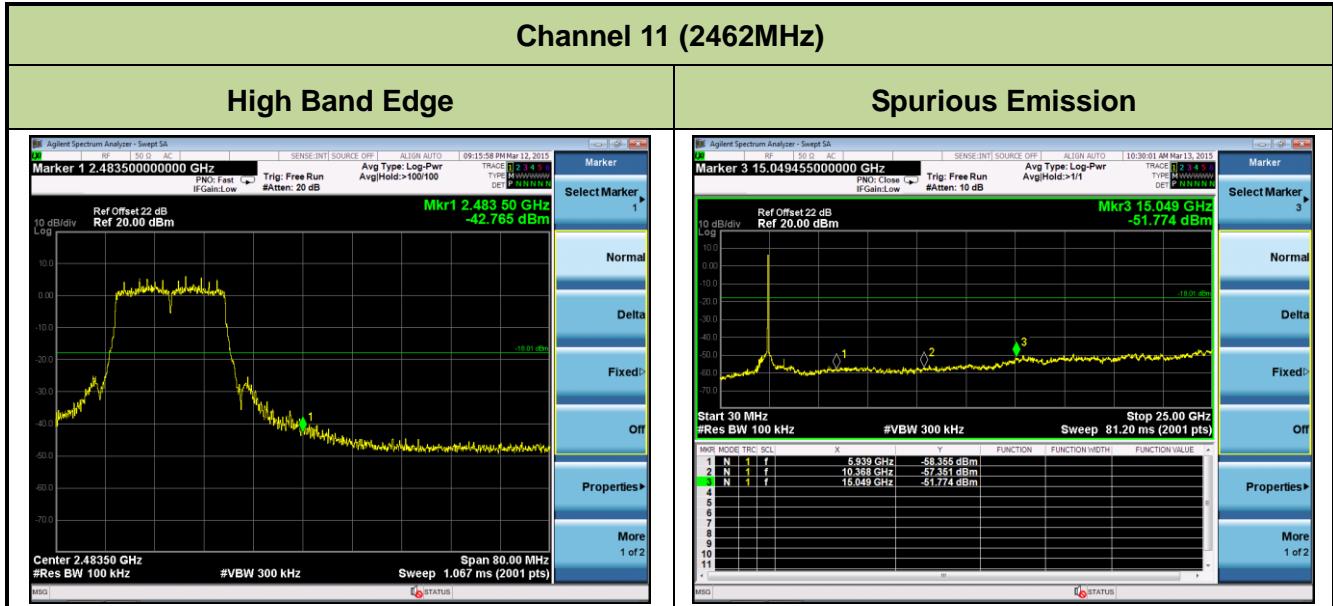


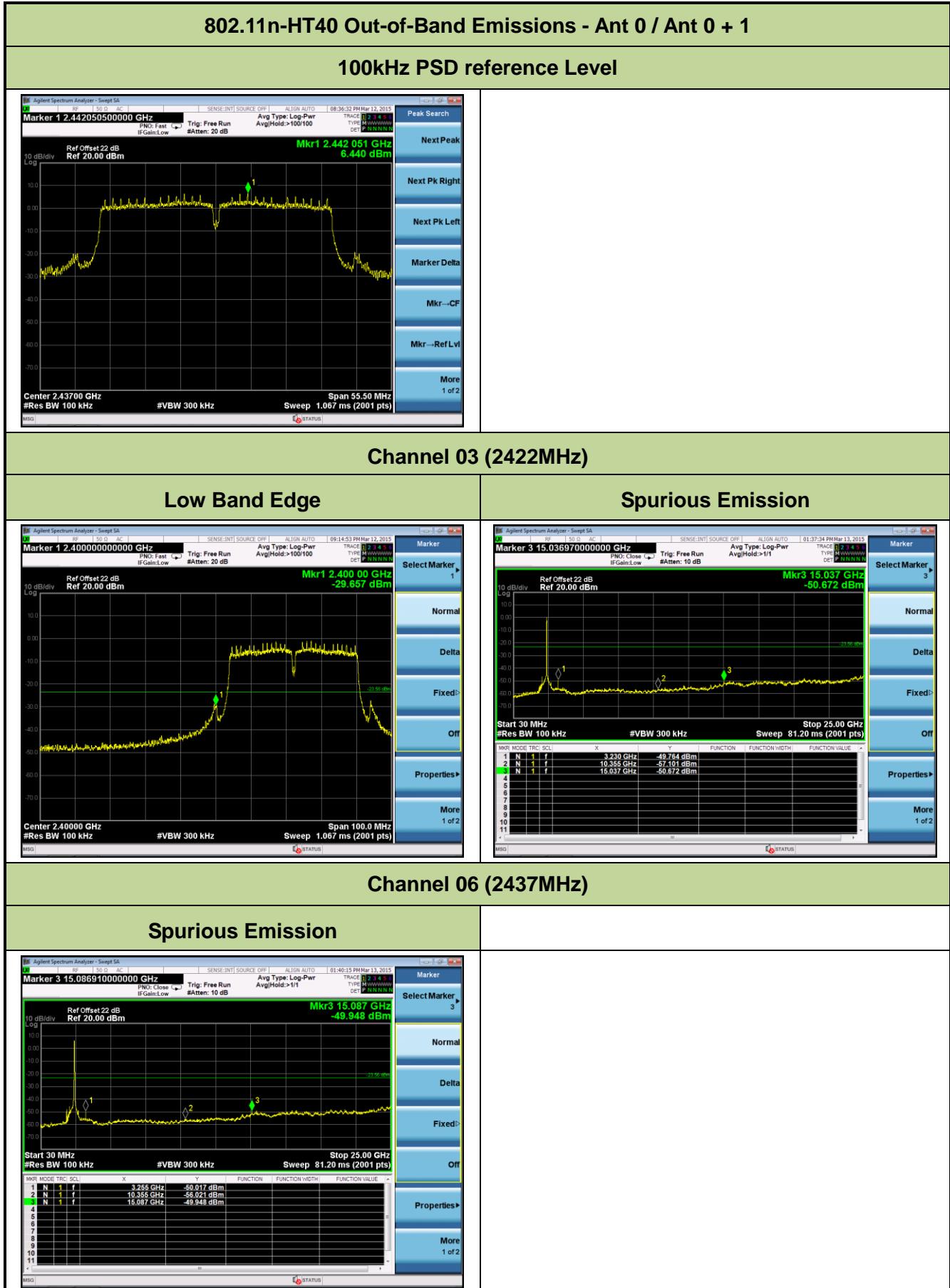


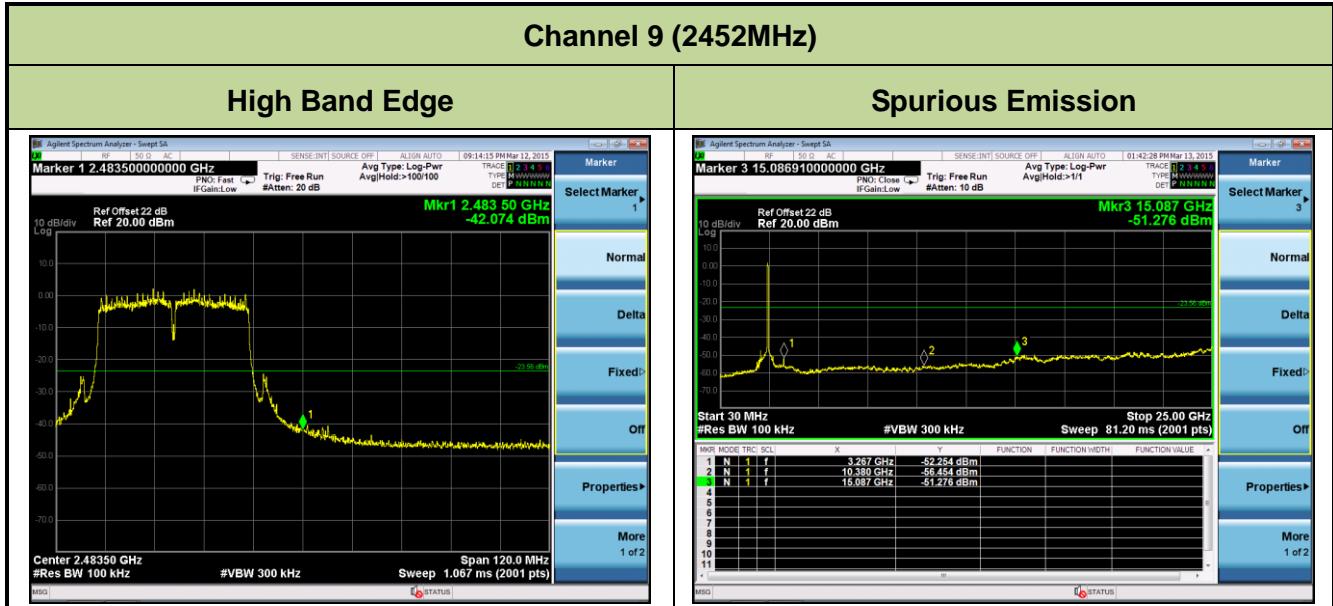


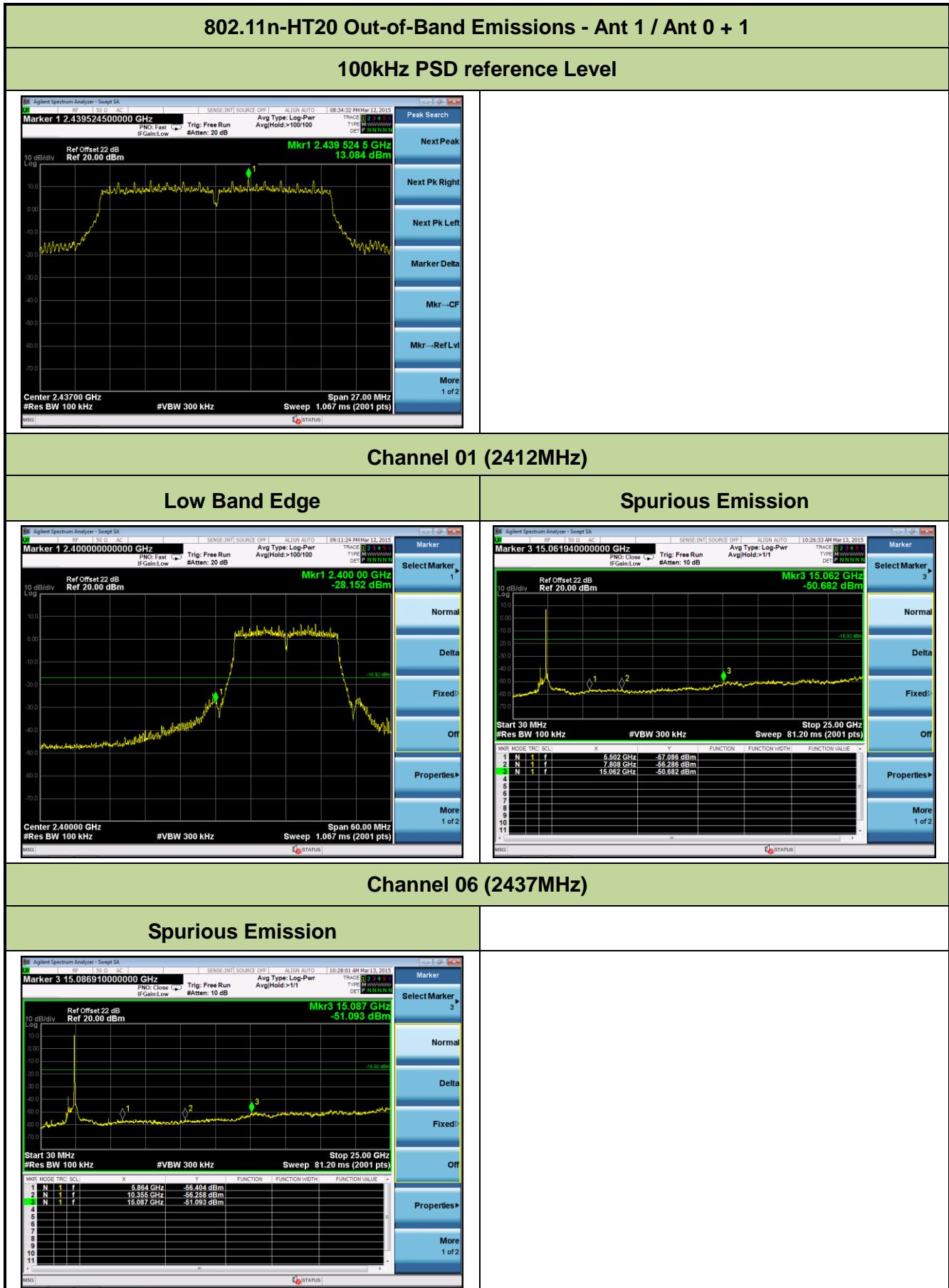


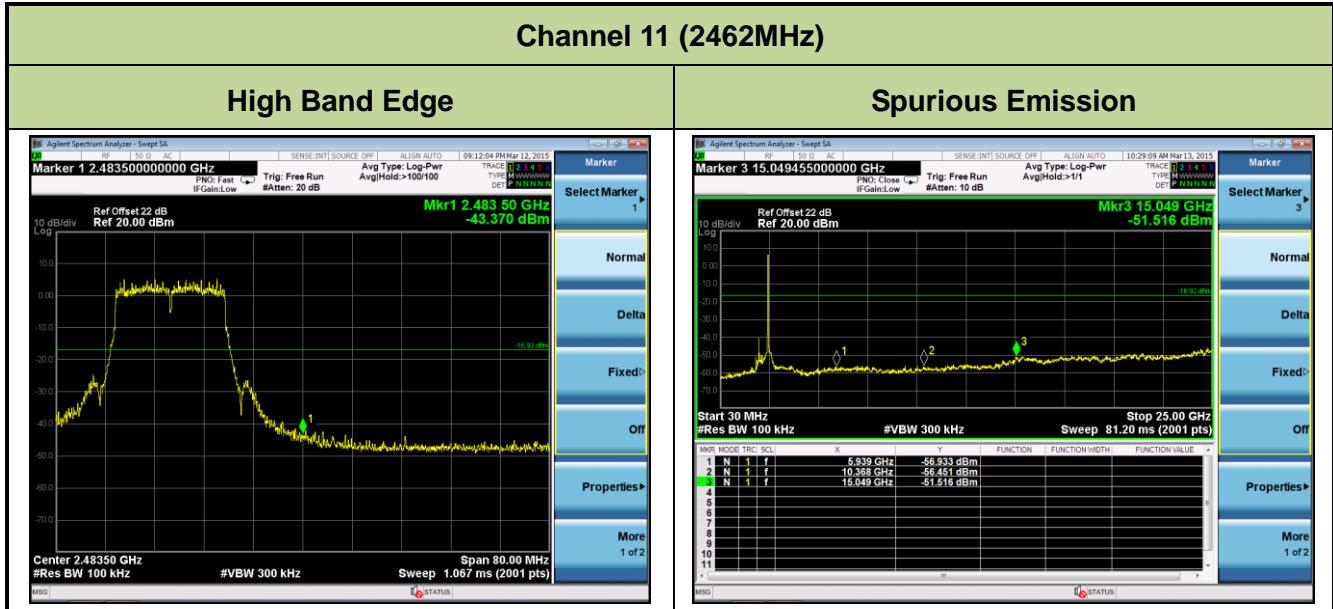


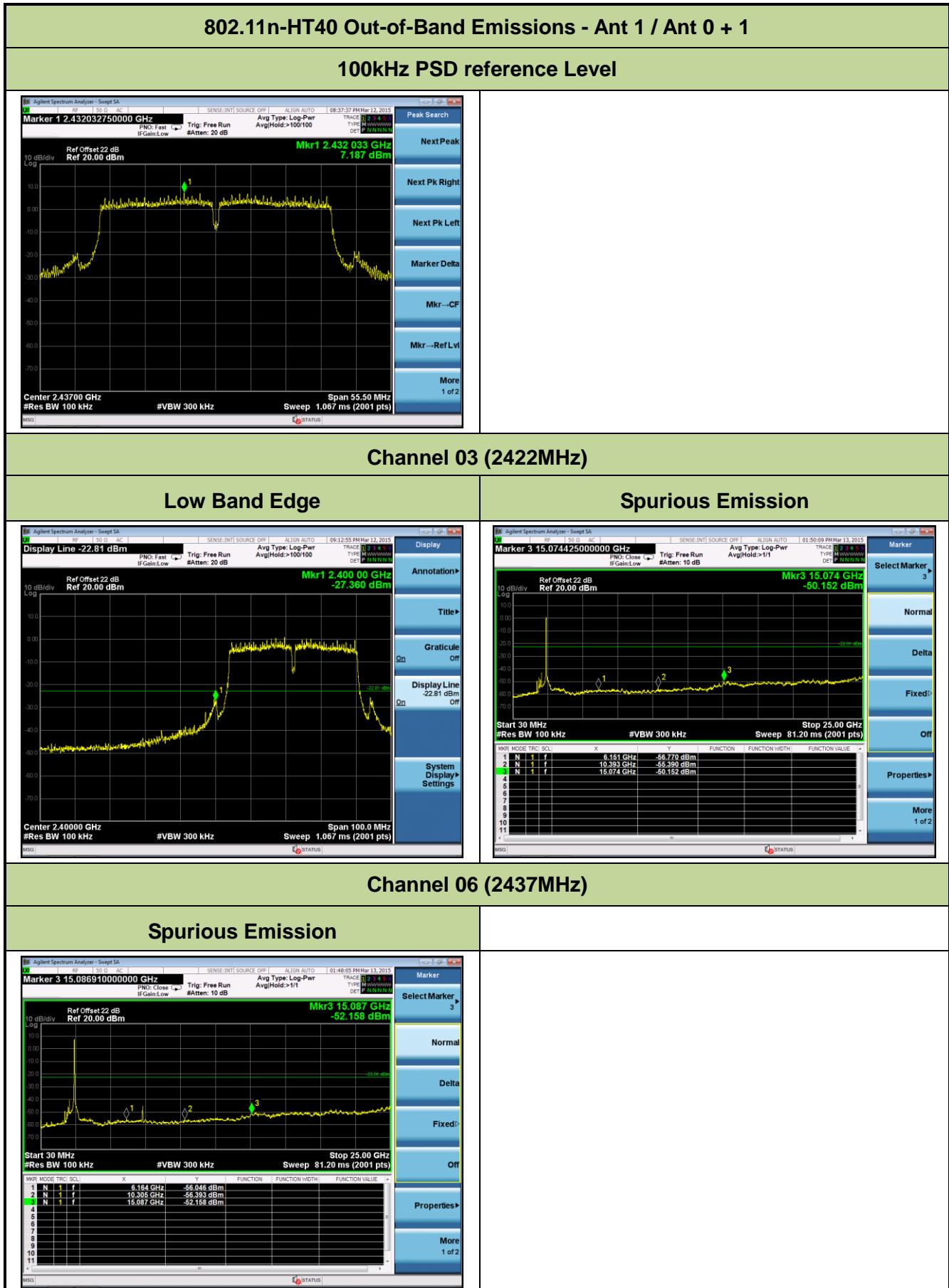


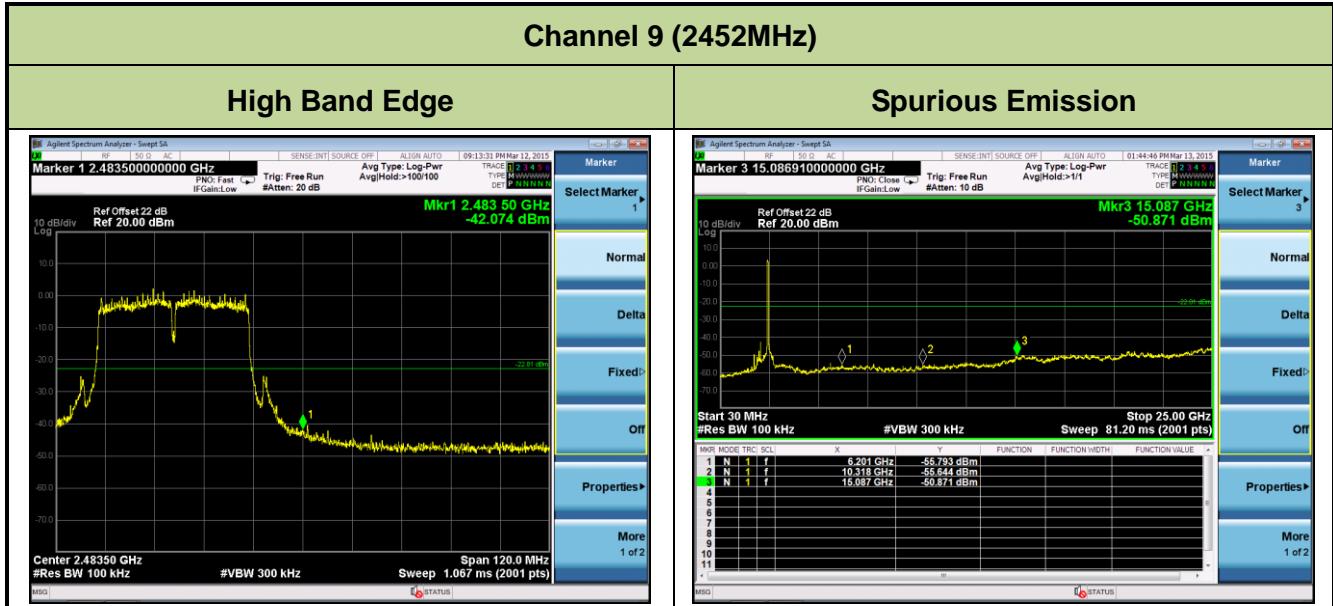












7.6. Radiated Spurious Emission Measurement

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

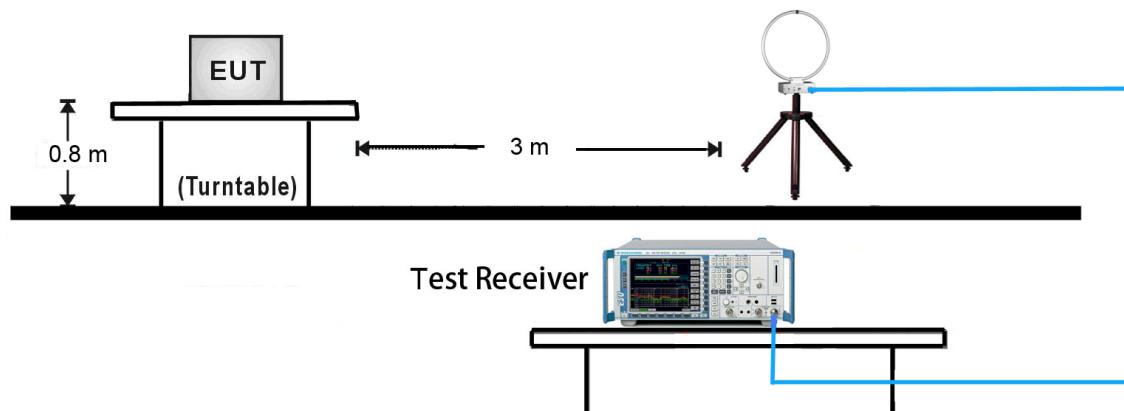
| Frequency | RBW |
|---------------|---------------|
| 9 ~ 150 kHz | 200 ~ 300 Hz |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz | 1 MHz |

Average Field Strength Measurements

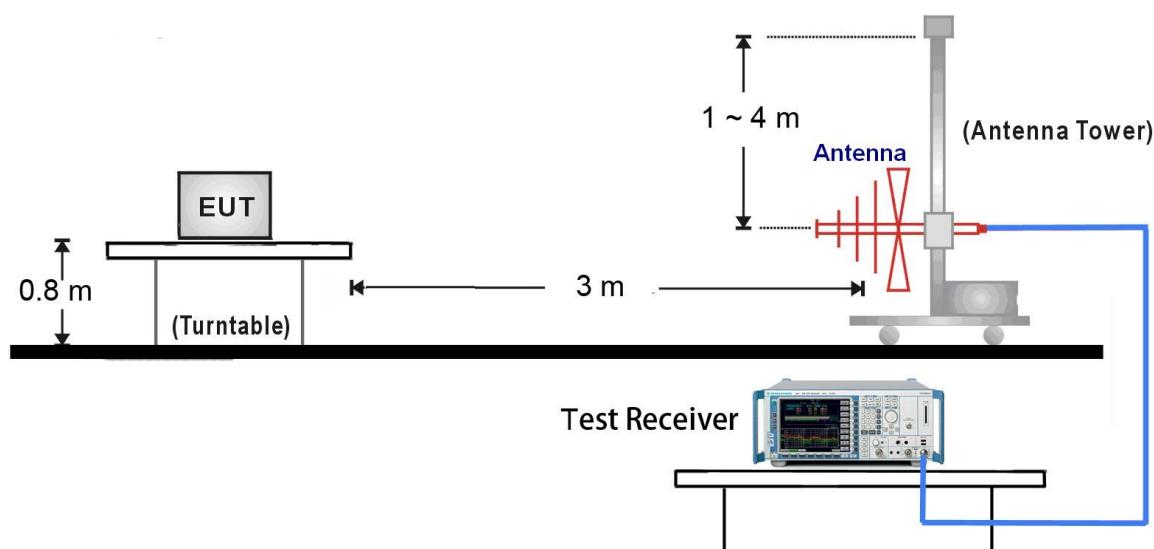
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

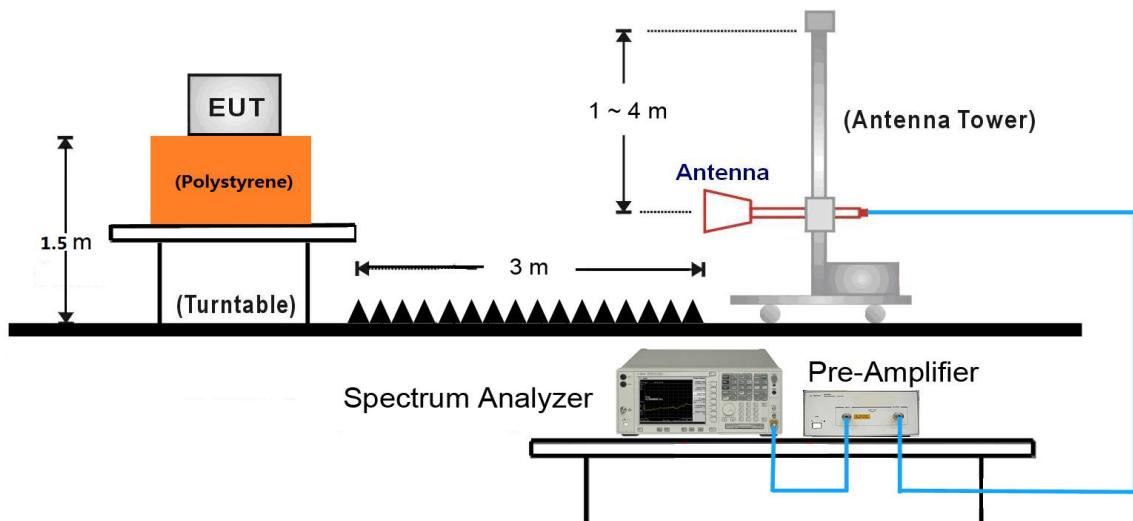
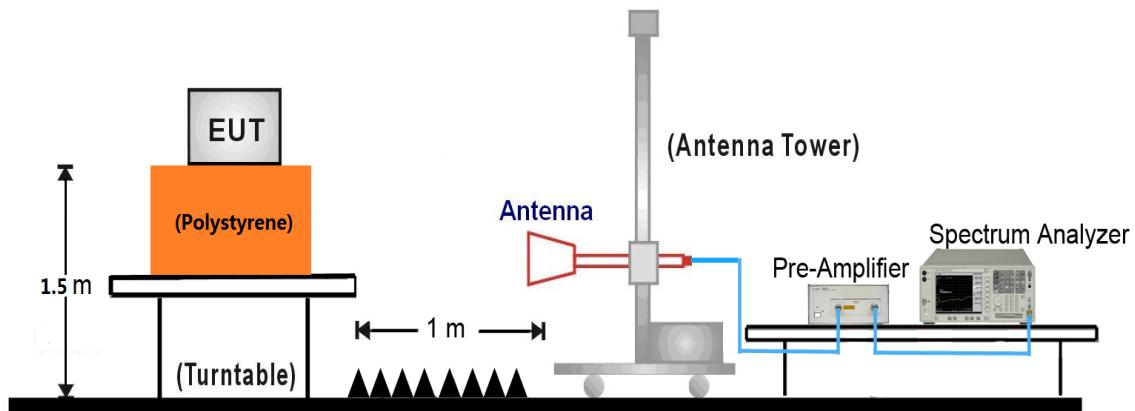
7.6.4. Test Setup

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3218.5 | 50.4 | 4.1 | 54.5 | 94.1 | -39.6 | Peak | Horizontal |
| * | 3426.7 | 38.7 | 4.0 | 42.7 | 94.1 | -51.4 | Peak | Horizontal |
| | 4865.5 | 36.8 | 7.3 | 44.1 | 74.0 | -29.9 | Peak | Horizontal |
| | 8355.5 | 36.1 | 15.2 | 51.3 | 74.0 | -22.7 | Peak | Horizontal |
| * | 3218.5 | 47.2 | 4.1 | 51.3 | 94.1 | -42.8 | Peak | Vertical |
| * | 4352.6 | 36.8 | 6.1 | 42.9 | 94.1 | -51.2 | Peak | Vertical |
| | 5022.6 | 35.9 | 7.6 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| | 8216.4 | 36.2 | 15.4 | 51.6 | 74.0 | -22.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (114.1dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3252.5 | 46.8 | 4.0 | 50.8 | 95.4 | -44.6 | Peak | Horizontal |
| * | 4426.9 | 37.0 | 6.2 | 43.2 | 95.4 | -52.2 | Peak | Horizontal |
| | 4869.1 | 37.5 | 7.3 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 8256.6 | 36.1 | 15.3 | 51.4 | 74.0 | -22.6 | Peak | Horizontal |
| * | 3252.5 | 44.4 | 4.0 | 48.4 | 95.4 | -47.0 | Peak | Vertical |
| * | 4446.9 | 37.2 | 6.2 | 43.4 | 95.4 | -52.0 | Peak | Vertical |
| | 4863.3 | 36.7 | 7.3 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 7310.2 | 33.2 | 14.8 | 48.0 | 54.0 | -6.0 | Average | Vertical |
| | 7315.5 | 41.4 | 14.9 | 56.3 | 74.0 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (115.4dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3126.5 | 40.1 | 4.2 | 44.3 | 94.0 | -49.7 | Peak | Horizontal |
| * | 4463.3 | 37.3 | 6.2 | 43.5 | 94.0 | -50.5 | Peak | Horizontal |
| | 4863.3 | 36.6 | 7.3 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 8256.5 | 36.2 | 15.3 | 51.5 | 74.0 | -22.5 | Peak | Horizontal |
| * | 3145.7 | 39.8 | 4.2 | 44.0 | 94.0 | -50.0 | Peak | Vertical |
| * | 4426.4 | 36.9 | 6.2 | 43.1 | 94.0 | -50.9 | Peak | Vertical |
| | 4623.9 | 37.7 | 6.6 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 8421.4 | 35.6 | 15.4 | 51.0 | 74.0 | -23.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (114.0dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3145.7 | 39.9 | 4.2 | 44.1 | 92.0 | -47.9 | Peak | Horizontal |
| * | 4457.0 | 37.2 | 6.2 | 43.4 | 92.0 | -48.6 | Peak | Horizontal |
| | 4897.4 | 37.6 | 7.4 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 8365.6 | 35.4 | 15.2 | 50.6 | 74.0 | -23.4 | Peak | Horizontal |
| * | 3218.5 | 47.2 | 4.1 | 51.3 | 92.0 | -40.7 | Peak | Vertical |
| * | 4456.7 | 37.1 | 6.2 | 43.3 | 92.0 | -48.7 | Peak | Vertical |
| | 4763.9 | 37.2 | 6.9 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 8194.7 | 36.7 | 15.5 | 52.2 | 74.0 | -21.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (112.0dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3126.6 | 39.2 | 4.2 | 43.4 | 95.9 | -52.5 | Peak | Horizontal |
| * | 4486.4 | 37.0 | 6.3 | 43.3 | 95.9 | -52.6 | Peak | Horizontal |
| | 7315.5 | 39.9 | 14.9 | 54.8 | 74.0 | -19.2 | Peak | Horizontal |
| | 8245.7 | 36.1 | 15.3 | 51.4 | 74.0 | -22.6 | Peak | Horizontal |
| * | 3244.7 | 39.2 | 4.0 | 43.2 | 95.9 | -52.7 | Peak | Vertical |
| * | 4479.0 | 37.0 | 6.3 | 43.3 | 95.9 | -52.6 | Peak | Vertical |
| | 5026.4 | 36.2 | 7.6 | 43.8 | 74.0 | -30.2 | Peak | Vertical |
| | 7315.5 | 42.5 | 14.9 | 57.4 | 74.0 | -16.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (115.9dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3204.9 | 39.1 | 4.1 | 43.2 | 92.5 | -49.3 | Peak | Horizontal |
| * | 4421.4 | 36.7 | 6.2 | 42.9 | 92.5 | -49.6 | Peak | Horizontal |
| | 4869.3 | 36.4 | 7.3 | 43.7 | 74.0 | -30.3 | Peak | Horizontal |
| | 8425.7 | 35.6 | 15.4 | 51.0 | 74.0 | -23.0 | Peak | Horizontal |
| * | 3105.3 | 38.5 | 4.1 | 42.6 | 92.5 | -49.9 | Peak | Vertical |
| * | 4487.4 | 37.3 | 6.3 | 43.6 | 92.5 | -48.9 | Peak | Vertical |
| | 5002.4 | 36.1 | 7.6 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 7383.5 | 39.3 | 14.9 | 54.2 | 74.0 | -19.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (112.5dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3145.7 | 39.5 | 4.2 | 43.7 | 91.5 | -47.8 | Peak | Horizontal |
| * | 4426.4 | 37.3 | 6.2 | 43.5 | 91.5 | -48.0 | Peak | Horizontal |
| | 4869.3 | 37.3 | 7.3 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 8365.5 | 36.0 | 15.2 | 51.2 | 74.0 | -22.8 | Peak | Horizontal |
| * | 3105.7 | 39.2 | 4.1 | 43.3 | 91.5 | -48.2 | Peak | Vertical |
| * | 4452.5 | 36.8 | 6.2 | 43.0 | 91.5 | -48.5 | Peak | Vertical |
| | 4963.6 | 36.1 | 7.5 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| | 8369.5 | 34.5 | 15.2 | 49.7 | 74.0 | -24.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.5dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3154.9 | 39.5 | 4.3 | 43.8 | 95.9 | -52.1 | Peak | Horizontal |
| * | 4458.7 | 36.4 | 6.2 | 42.6 | 95.9 | -53.3 | Peak | Horizontal |
| | 4737.0 | 36.8 | 6.8 | 43.6 | 74.0 | -30.4 | Peak | Horizontal |
| | 8213.7 | 35.9 | 15.4 | 51.3 | 74.0 | -22.7 | Peak | Horizontal |
| * | 3126.5 | 39.9 | 4.2 | 44.1 | 95.9 | -51.8 | Peak | Vertical |
| * | 4436.5 | 36.6 | 6.2 | 42.8 | 95.9 | -53.1 | Peak | Vertical |
| | 7307.0 | 41.6 | 14.8 | 56.4 | 74.0 | -17.6 | Peak | Vertical |
| | 7310.0 | 32.8 | 14.8 | 47.6 | 54.0 | -6.4 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (115.9dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|--------------------|----------------------------------|----------------|------------------------------------|-------------------------|----------------|----------|--------------|
| * | 3165.7 | 39.0 | 4.2 | 43.2 | 91.4 | -48.2 | Peak | Horizontal |
| * | 4436.6 | 36.5 | 6.2 | 42.7 | 91.4 | -48.7 | Peak | Horizontal |
| | 4759.6 | 37.0 | 6.9 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 8264.3 | 35.8 | 15.3 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| * | 3154.7 | 38.9 | 4.3 | 43.2 | 91.4 | -48.2 | Peak | Vertical |
| * | 4456.3 | 36.9 | 6.2 | 43.1 | 91.4 | -48.3 | Peak | Vertical |
| | 4863.7 | 36.2 | 7.3 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| | 8254.3 | 35.2 | 15.3 | 50.5 | 74.0 | -23.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.4dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3265.4 | 38.2 | 3.9 | 42.1 | 85.0 | -42.9 | Peak | Horizontal |
| * | 4456.4 | 36.2 | 6.2 | 42.4 | 85.0 | -42.6 | Peak | Horizontal |
| | 4836.5 | 37.4 | 7.2 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 8236.6 | 35.5 | 15.3 | 50.8 | 74.0 | -23.2 | Peak | Horizontal |
| * | 3065.9 | 39.3 | 4.1 | 43.4 | 85.0 | -41.6 | Peak | Vertical |
| * | 4426.6 | 36.5 | 6.2 | 42.7 | 85.0 | -42.3 | Peak | Vertical |
| | 4623.9 | 37.4 | 6.6 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 8369.6 | 34.8 | 15.2 | 50.0 | 74.0 | -24.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (105.0dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3066.0 | 38.7 | 4.1 | 42.8 | 95.7 | -52.9 | Peak | Horizontal |
| * | 4426.6 | 36.6 | 6.2 | 42.8 | 95.7 | -52.9 | Peak | Horizontal |
| | 4636.0 | 37.1 | 6.6 | 43.7 | 74.0 | -30.3 | Peak | Horizontal |
| | 8156.3 | 35.7 | 15.8 | 51.5 | 74.0 | -22.5 | Peak | Horizontal |
| * | 3005.7 | 40.0 | 4.0 | 44.0 | 95.7 | -51.7 | Peak | Vertical |
| * | 4426.4 | 37.4 | 6.2 | 43.6 | 95.7 | -52.1 | Peak | Vertical |
| | 4625.3 | 37.4 | 6.6 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 8265.7 | 35.8 | 15.3 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (115.7dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3157.0 | 38.8 | 4.2 | 43.0 | 87.5 | -44.5 | Peak | Horizontal |
| * | 4432.7 | 36.5 | 6.2 | 42.7 | 87.5 | -44.8 | Peak | Horizontal |
| | 4632.3 | 36.7 | 6.6 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 8356.3 | 34.6 | 15.2 | 49.8 | 74.0 | -24.2 | Peak | Horizontal |
| * | 3247.0 | 38.3 | 4.0 | 42.3 | 87.5 | -45.2 | Peak | Vertical |
| * | 4426.7 | 36.5 | 6.2 | 42.7 | 87.5 | -44.8 | Peak | Vertical |
| | 5003.0 | 35.7 | 7.6 | 43.3 | 74.0 | -30.7 | Peak | Vertical |
| | 8365.3 | 34.6 | 15.2 | 49.8 | 74.0 | -24.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.5dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3156.3 | 39.3 | 4.2 | 43.5 | 86.3 | -42.8 | Peak | Horizontal |
| * | 4412.7 | 37.1 | 6.2 | 43.3 | 86.3 | -43.0 | Peak | Horizontal |
| | 4893.3 | 36.6 | 7.4 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 8026.5 | 36.6 | 16.0 | 52.6 | 74.0 | -21.4 | Peak | Horizontal |
| * | 3165.4 | 38.8 | 4.2 | 43.0 | 86.3 | -43.3 | Peak | Vertical |
| * | 4436.5 | 36.9 | 6.2 | 43.1 | 86.3 | -43.2 | Peak | Vertical |
| | 4936.6 | 35.9 | 7.4 | 43.3 | 74.0 | -30.7 | Peak | Vertical |
| | 8165.4 | 35.4 | 15.7 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3246.4 | 38.7 | 4.0 | 42.7 | 93.9 | -51.2 | Peak | Horizontal |
| * | 4458.3 | 37.7 | 6.2 | 43.9 | 93.9 | -50.0 | Peak | Horizontal |
| | 5002.7 | 36.7 | 7.6 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 8168.3 | 35.7 | 15.7 | 51.4 | 74.0 | -22.6 | Peak | Horizontal |
| * | 3216.6 | 40.0 | 4.1 | 44.1 | 93.9 | -49.8 | Peak | Vertical |
| * | 4425.7 | 36.3 | 6.2 | 42.5 | 93.9 | -51.4 | Peak | Vertical |
| | 4736.3 | 36.8 | 6.8 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| | 8165.4 | 37.2 | 15.7 | 52.9 | 74.0 | -21.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (113.9dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3216.6 | 41.1 | 4.1 | 45.2 | 84.1 | -38.9 | Peak | Horizontal |
| * | 4436.6 | 37.1 | 6.2 | 43.3 | 84.1 | -40.8 | Peak | Horizontal |
| | 4895.3 | 37.4 | 7.4 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 8365.3 | 35.3 | 15.2 | 50.5 | 74.0 | -23.5 | Peak | Horizontal |
| * | 3026.6 | 39.1 | 4.0 | 43.1 | 84.1 | -41.0 | Peak | Vertical |
| * | 4426.7 | 36.9 | 6.2 | 43.1 | 84.1 | -41.0 | Peak | Vertical |
| | 4936.3 | 36.3 | 7.4 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 8132.6 | 36.2 | 15.9 | 52.1 | 74.0 | -21.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.1dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3006.6 | 38.5 | 4.0 | 42.5 | 81.3 | -38.8 | Peak | Horizontal |
| * | 4416.4 | 36.3 | 6.2 | 42.5 | 81.3 | -38.8 | Peak | Horizontal |
| | 4625.3 | 36.7 | 6.6 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 8365.3 | 34.6 | 15.2 | 49.8 | 74.0 | -24.2 | Peak | Horizontal |
| * | 3166.0 | 38.5 | 4.2 | 42.7 | 81.3 | -38.6 | Peak | Vertical |
| * | 4436.3 | 36.7 | 6.2 | 42.9 | 81.3 | -38.4 | Peak | Vertical |
| | 4536.7 | 36.3 | 6.4 | 42.7 | 74.0 | -31.3 | Peak | Vertical |
| | 8366.0 | 34.7 | 15.2 | 49.9 | 74.0 | -24.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.3dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3126.5 | 39.6 | 4.2 | 43.8 | 94.7 | -50.9 | Peak | Horizontal |
| * | 4412.7 | 36.5 | 6.2 | 42.7 | 94.7 | -52.0 | Peak | Horizontal |
| | 5126.4 | 35.4 | 7.9 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 8265.4 | 35.6 | 15.3 | 50.9 | 74.0 | -23.1 | Peak | Horizontal |
| * | 3026.7 | 38.9 | 4.0 | 42.9 | 94.7 | -51.8 | Peak | Vertical |
| * | 4456.3 | 37.1 | 6.2 | 43.3 | 94.7 | -51.4 | Peak | Vertical |
| | 4532.6 | 36.5 | 6.4 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| | 8326.6 | 34.8 | 15.2 | 50.0 | 74.0 | -24.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (114.7dB μ V/m).

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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 (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3120.6 | 38.8 | 4.1 | 42.9 | 82.2 | -39.3 | Peak | Horizontal |
| * | 4416.3 | 36.4 | 6.2 | 42.6 | 82.2 | -39.6 | Peak | Horizontal |
| | 4625.7 | 36.7 | 6.6 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 8156.3 | 36.2 | 15.8 | 52.0 | 74.0 | -22.0 | Peak | Horizontal |
| * | 3200.7 | 39.2 | 4.1 | 43.3 | 82.2 | -38.9 | Peak | Vertical |
| * | 4456.4 | 36.5 | 6.2 | 42.7 | 82.2 | -39.5 | Peak | Vertical |
| | 5002.4 | 35.7 | 7.6 | 43.3 | 74.0 | -30.7 | Peak | Vertical |
| | 8436.3 | 34.6 | 15.4 | 50.0 | 74.0 | -24.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.2dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3246.6 | 38.4 | 4.0 | 42.4 | 90.6 | -48.2 | Peak | Horizontal |
| * | 4436.6 | 36.4 | 6.2 | 42.6 | 90.6 | -48.0 | Peak | Horizontal |
| | 5936.3 | 34.8 | 9.1 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 8326.5 | 35.3 | 15.2 | 50.5 | 74.0 | -23.5 | Peak | Horizontal |
| * | 3126.5 | 39.5 | 4.2 | 43.7 | 90.6 | -46.9 | Peak | Vertical |
| * | 4436.6 | 36.4 | 6.2 | 42.6 | 90.6 | -48.0 | Peak | Vertical |
| | 4625.4 | 36.8 | 6.6 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| | 8356.3 | 34.2 | 15.2 | 49.4 | 74.0 | -24.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (110.6dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3165.3 | 39.0 | 4.2 | 43.2 | 93.5 | -50.3 | Peak | Horizontal |
| * | 4436.3 | 36.6 | 6.2 | 42.8 | 93.5 | -50.7 | Peak | Horizontal |
| | 7315.8 | 26.4 | 14.9 | 41.3 | 54.0 | -12.7 | Average | Horizontal |
| | 7324.0 | 40.7 | 14.9 | 55.6 | 74.0 | -18.4 | Peak | Horizontal |
| | 8156.3 | 36.0 | 15.8 | 51.8 | 74.0 | -22.2 | Peak | Horizontal |
| * | 3126.6 | 39.4 | 4.2 | 43.6 | 93.5 | -49.9 | Peak | Vertical |
| * | 4456.9 | 37.4 | 6.2 | 43.6 | 93.5 | -49.9 | Peak | Vertical |
| | 4635.3 | 37.2 | 6.6 | 43.8 | 74.0 | -30.2 | Peak | Vertical |
| | 7308.6 | 28.2 | 14.8 | 43.0 | 54.0 | -11.0 | Average | Vertical |
| | 7315.5 | 42.6 | 14.9 | 57.5 | 74.0 | -16.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (113.5dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3165.3 | 39.3 | 4.2 | 43.5 | 91.3 | -47.8 | Peak | Horizontal |
| * | 4457.0 | 37.1 | 6.2 | 43.3 | 91.3 | -48.0 | Peak | Horizontal |
| | 4635.7 | 37.9 | 6.6 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 8263.6 | 35.8 | 15.3 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| * | 3145.6 | 38.8 | 4.2 | 43.0 | 91.3 | -48.3 | Peak | Vertical |
| * | 4426.4 | 37.2 | 6.2 | 43.4 | 91.3 | -47.9 | Peak | Vertical |
| | 4869.3 | 37.0 | 7.3 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 8154.4 | 35.4 | 15.8 | 51.2 | 74.0 | -22.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (111.3dB μ V/m).

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

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

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

| Mark | Frequency (MHz) | Reading Level (dB μ V) | Factor (dB) | Measure Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Detector | Polarization |
|------|-----------------|----------------------------|-------------|------------------------------|----------------------|-------------|----------|--------------|
| * | 3189.4 | 40.3 | 4.2 | 44.5 | 85.5 | -41.0 | Peak | Horizontal |
| * | 4416.6 | 36.4 | 6.2 | 42.6 | 85.5 | -42.9 | Peak | Horizontal |
| | 5006.4 | 36.3 | 7.6 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 8365.9 | 35.1 | 15.2 | 50.3 | 74.0 | -23.7 | Peak | Horizontal |
| * | 3164.6 | 39.2 | 4.2 | 43.4 | 85.5 | -42.1 | Peak | Vertical |
| * | 4423.7 | 37.0 | 6.2 | 43.2 | 85.5 | -42.3 | Peak | Vertical |
| | 4769.3 | 37.2 | 6.9 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 8365.3 | 34.9 | 15.2 | 50.1 | 74.0 | -23.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (105.5dB μ V/m).

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

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