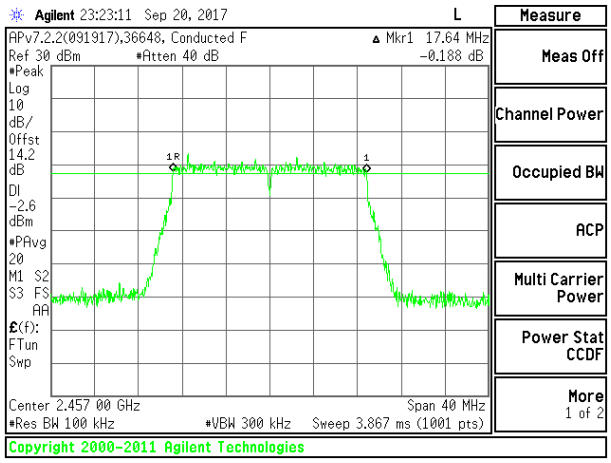
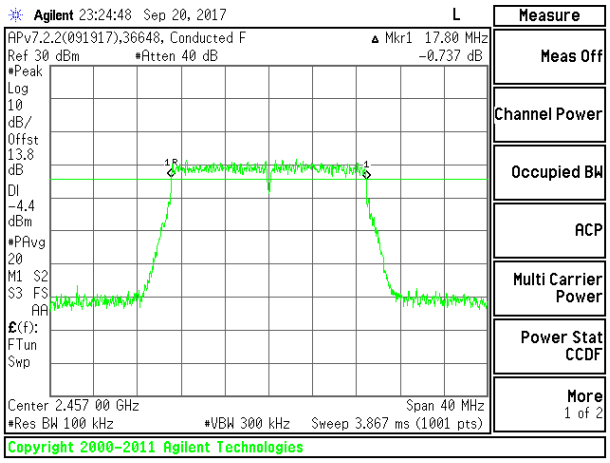
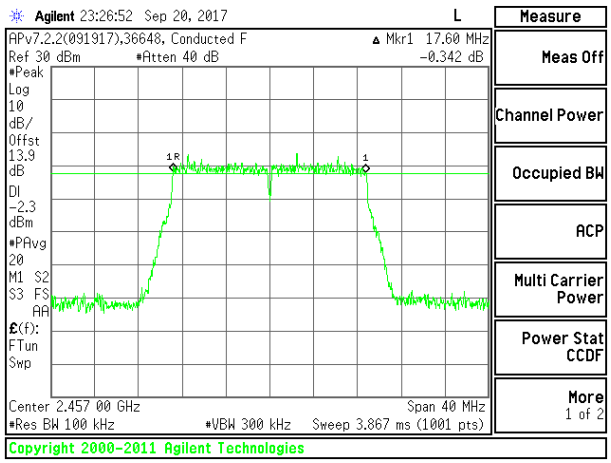
## HIGH CHANNEL 10




**HIGH CHANNEL 10 WF4**

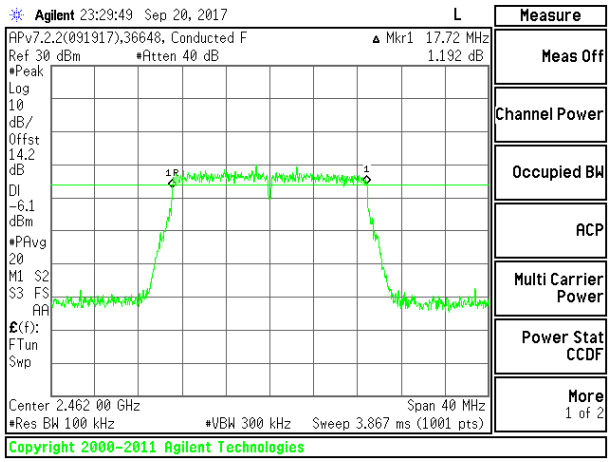



**HIGH CHANNEL 10 WF3**

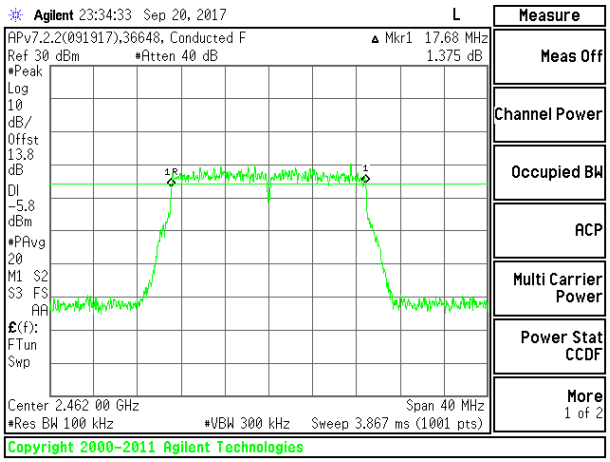



**HIGH CHANNEL 10 WF2**

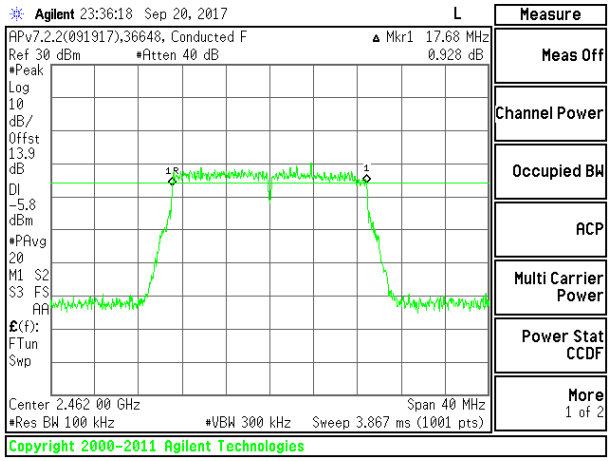
## HIGH CHANNEL 11




**HIGH CHANNEL 11 WF4**

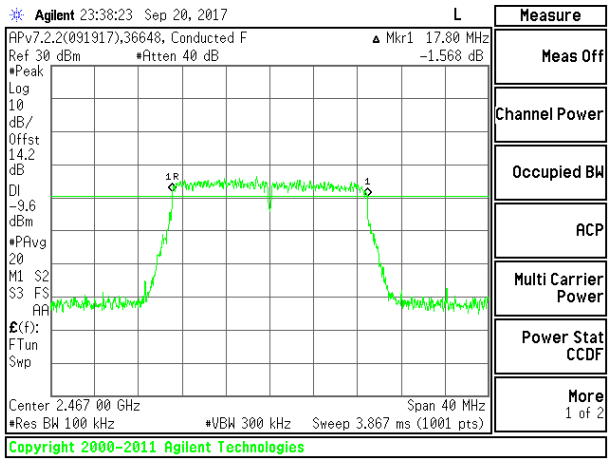



**HIGH CHANNEL 11 WF3**

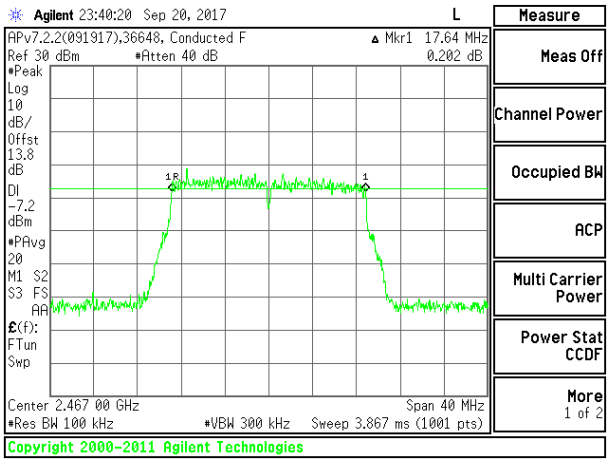



**HIGH CHANNEL 11 WF2**

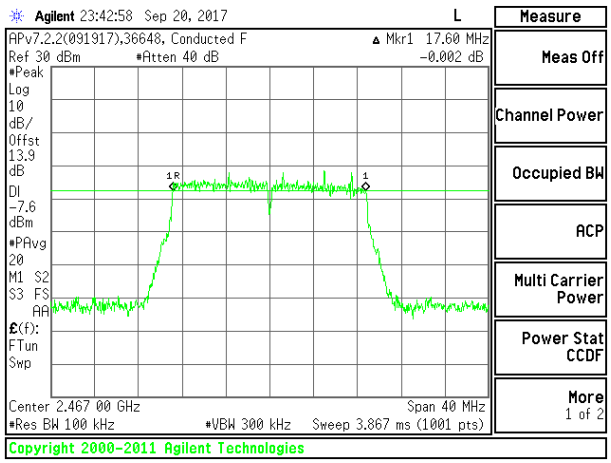
## HIGH CHANNEL 12




**HIGH CHANNEL 12 WF4**

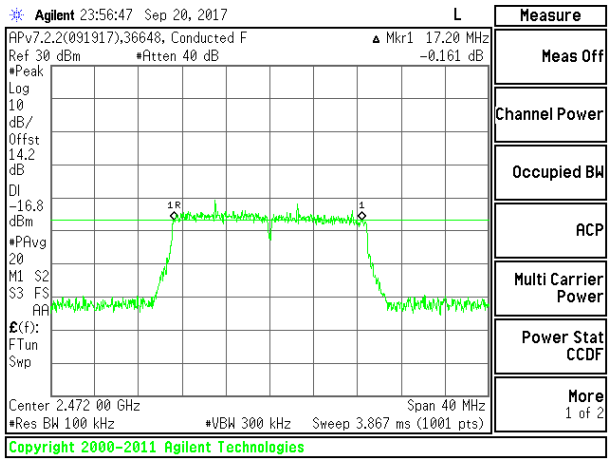



**HIGH CHANNEL 12 WF3**

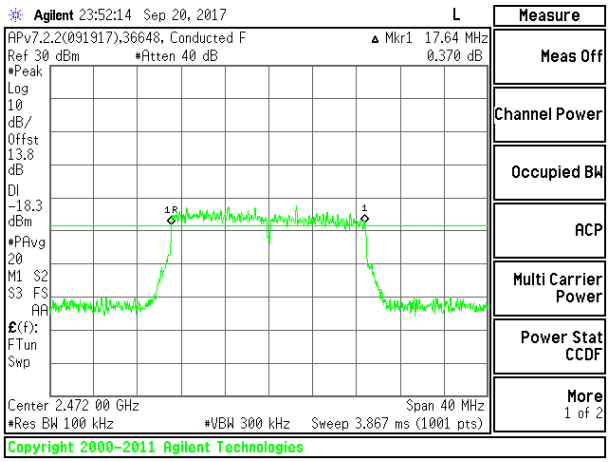



**HIGH CHANNEL 12 WF2**

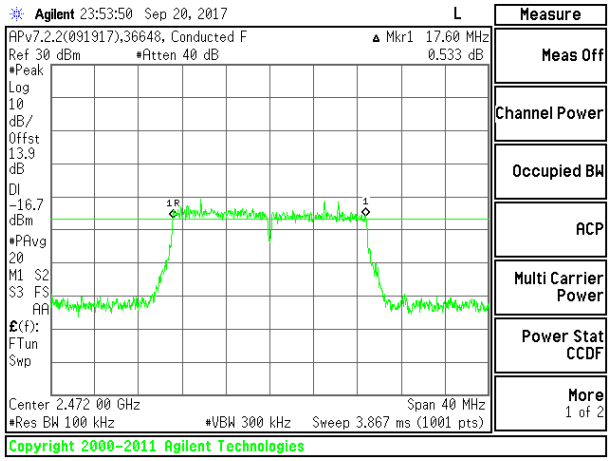
## HIGH CHANNEL 13




**HIGH CHANNEL 13 WF4**




**HIGH CHANNEL 13 WF3**

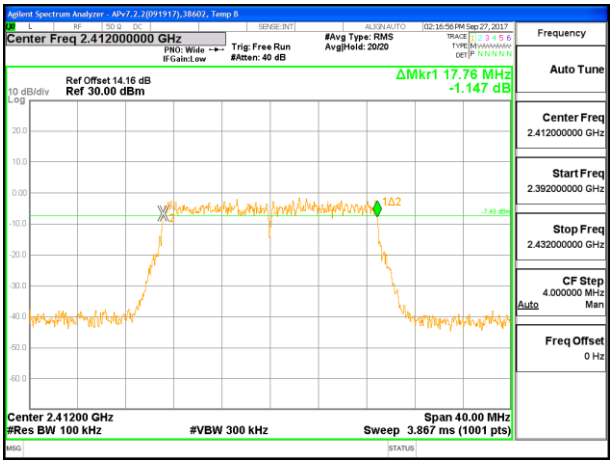



**HIGH CHANNEL 13 WF2**

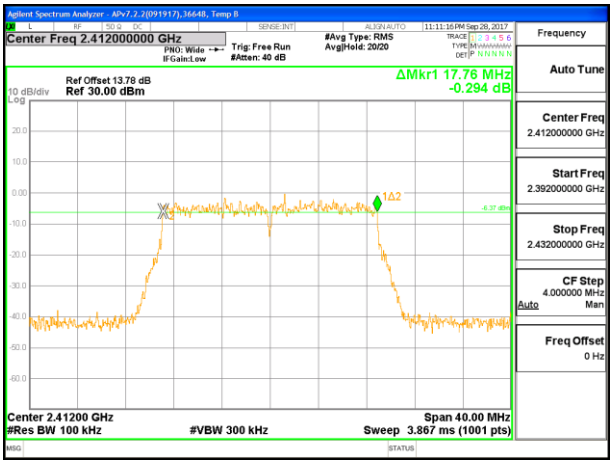
**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 BF Mode**

| Channel | Frequency (MHz) | 6 dB BW WF4 (MHz) | 6 dB BW WF3 (MHz) | 6 dB BW WF2 (MHz) | Minimum Limit (MHz) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 17.76 | 17.76 | 17.76 | 0.5 |
| Low 2 | 2417 | 17.76 | 17.68 | 17.76 | 0.5 |
| Low 3 | 2422 | 17.52 | 17.80 | 17.68 | 0.5 |
| Low 4 | 2427 | 17.72 | 17.80 | 17.72 | 0.5 |
| Low 5 | 2432 | 17.68 | 17.64 | 17.72 | 0.5 |
| Mid 6 | 2437 | 17.76 | 17.68 | 17.76 | 0.5 |
| High 7 | 2442 | 17.68 | 17.80 | 17.76 | 0.5 |
| High 8 | 2447 | 17.76 | 17.68 | 17.76 | 0.5 |
| High 9 | 2452 | 17.80 | 17.84 | 17.80 | 0.5 |
| High 10 | 2457 | 17.76 | 17.80 | 17.76 | 0.5 |
| High 11 | 2462 | 17.80 | 17.72 | 17.60 | 0.5 |
| High 12 | 2467 | 17.76 | 17.80 | 17.76 | 0.5 |
| High 13 | 2472 | 17.64 | 17.72 | 17.72 | 0.5 |

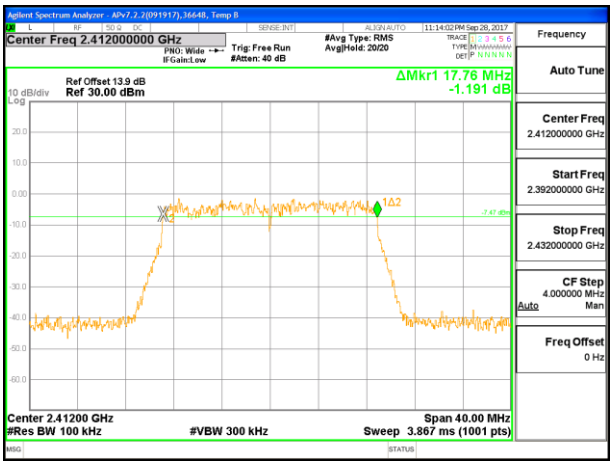
## LOW CHANNEL 1




LOW CHANNEL 1 WF4

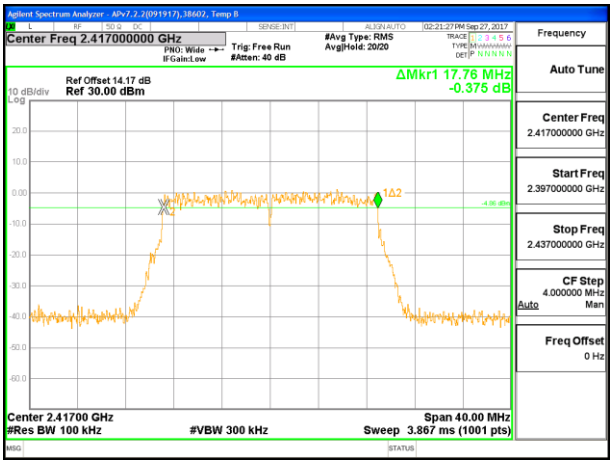



LOW CHANNEL 1 WF3

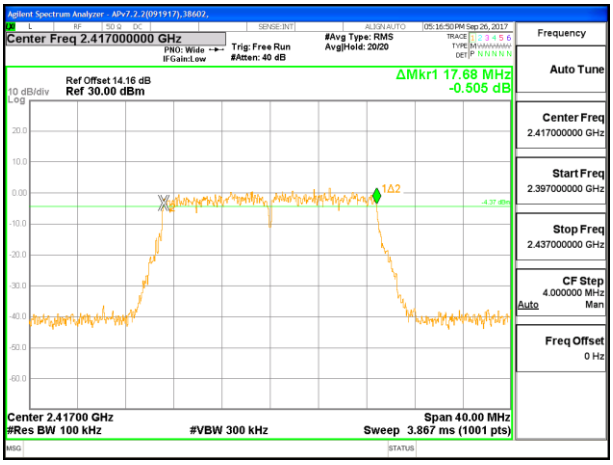



LOW CHANNEL 1 WF2

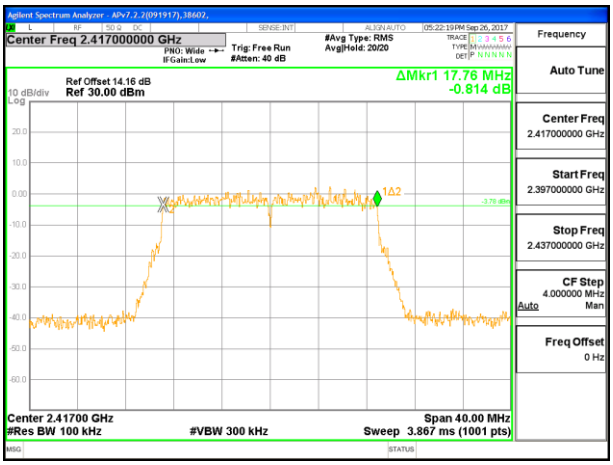
## LOW CHANNEL 2




**LOW CHANNEL 2 WF4**

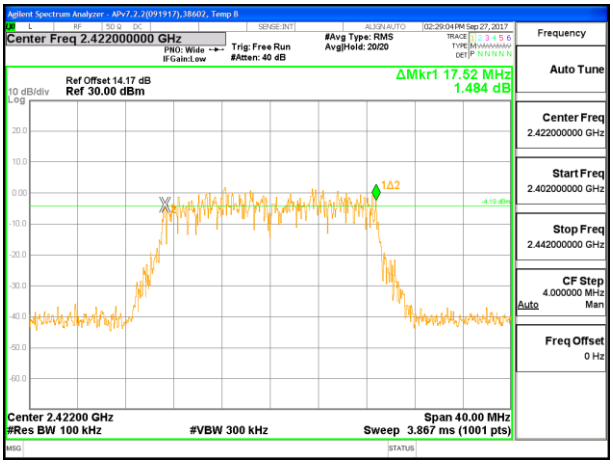



**LOW CHANNEL 2 WF3**

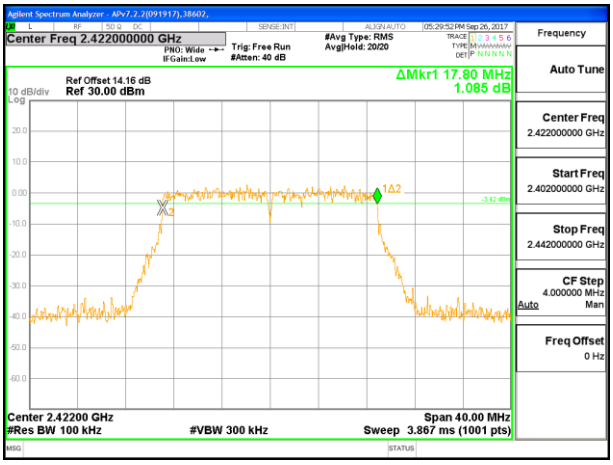



**LOW CHANNEL 2 WF2**

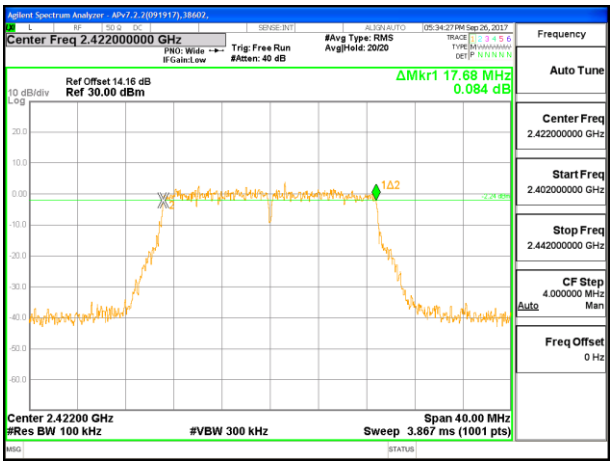
## LOW CHANNEL 3




LOW CHANNEL 3 WF4

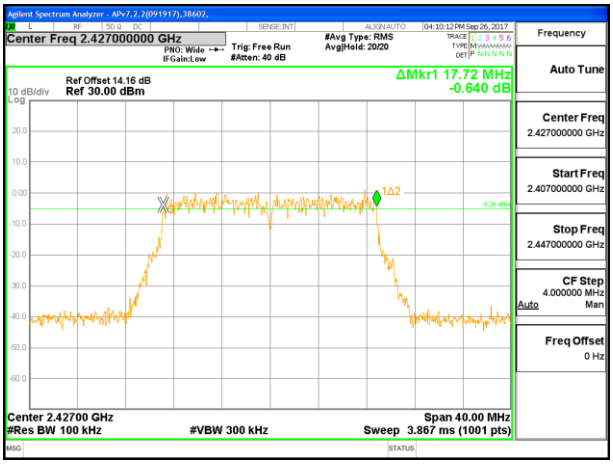



LOW CHANNEL 3 WF3

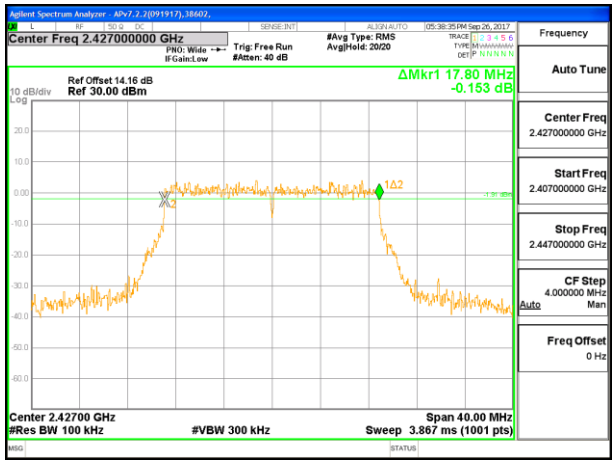



LOW CHANNEL 3 WF2

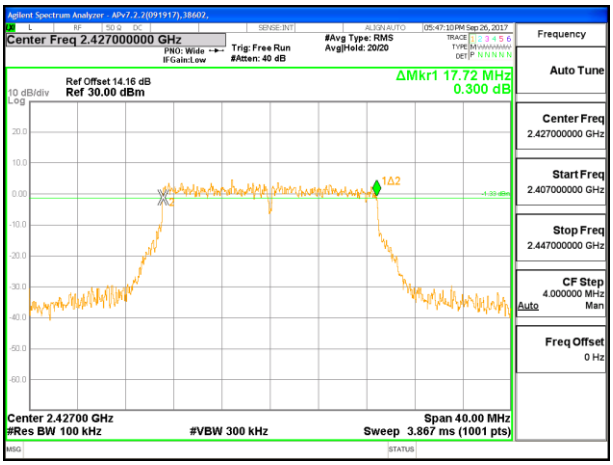
## LOW CHANNEL 4




LOW CHANNEL 4 WF4

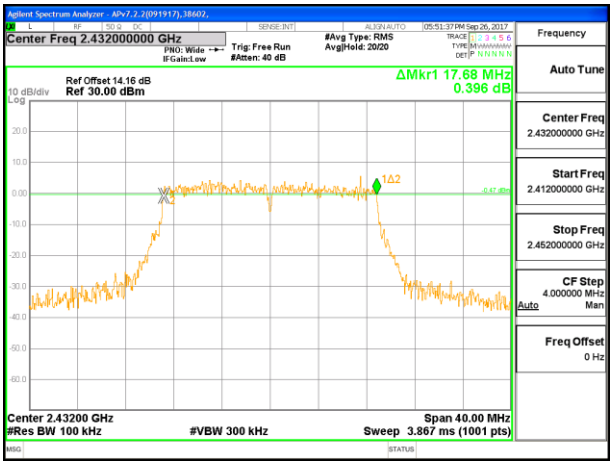



LOW CHANNEL 4 WF3

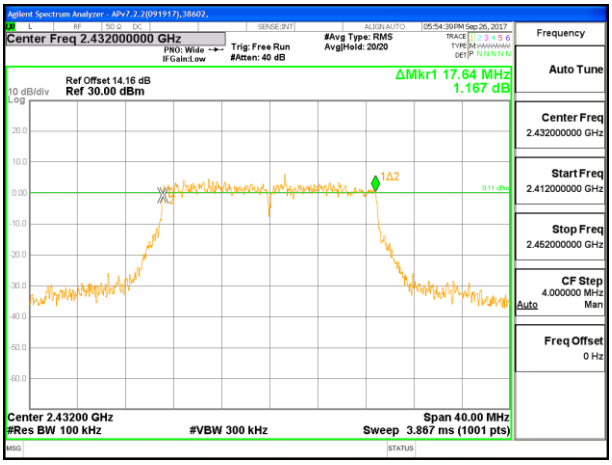



LOW CHANNEL 4 WF2

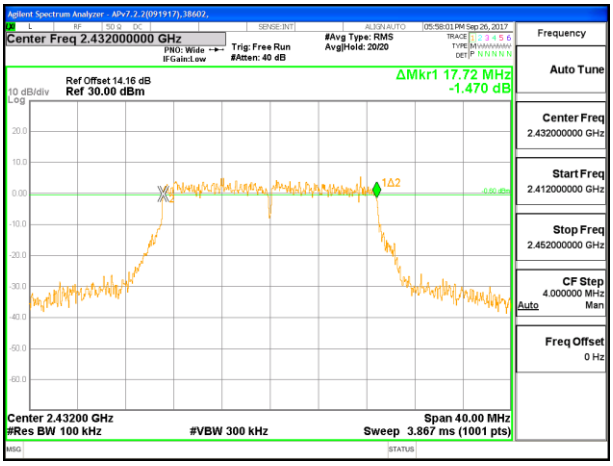
## LOW CHANNEL 5




LOW CHANNEL 5 WF4

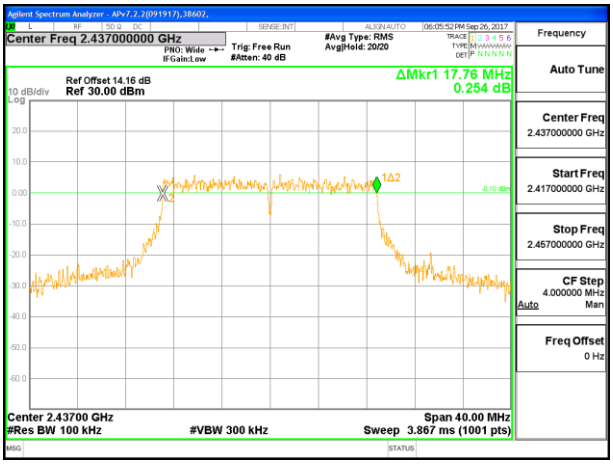



LOW CHANNEL 5 WF3

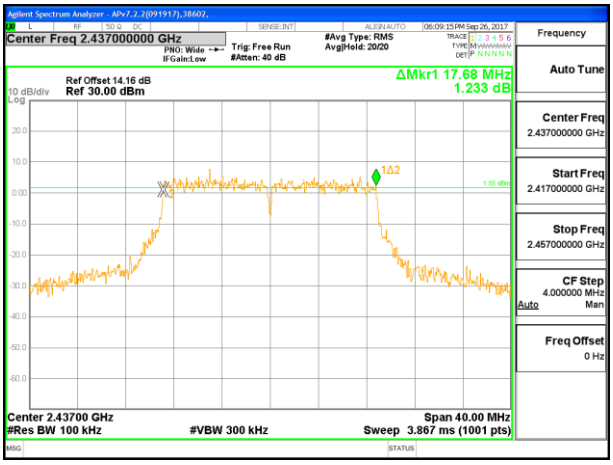



LOW CHANNEL 5 WF2

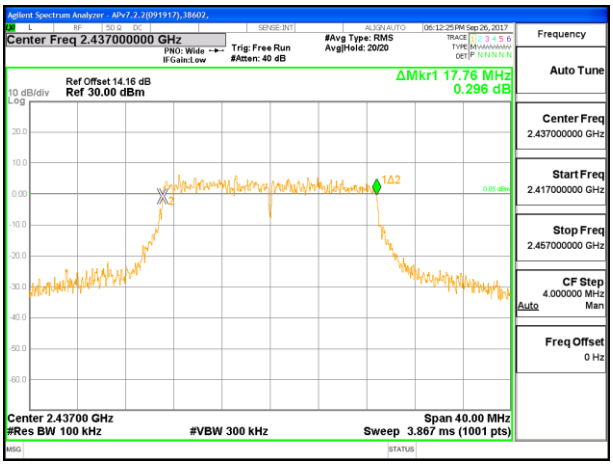
## MID CHANNEL 6




MID CHANNEL 6 WF4

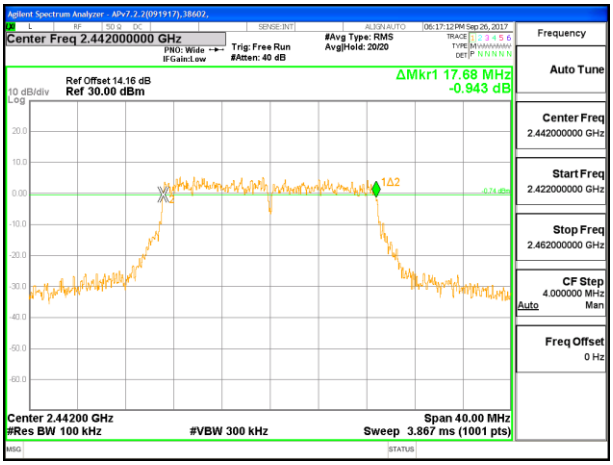



MID CHANNEL 6 WF3

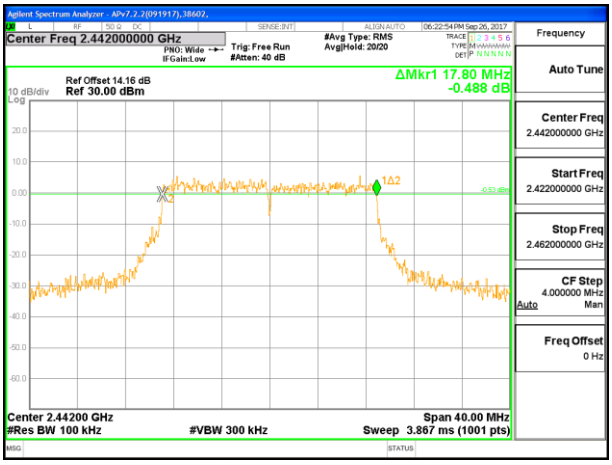



MID CHANNEL 6 WF2

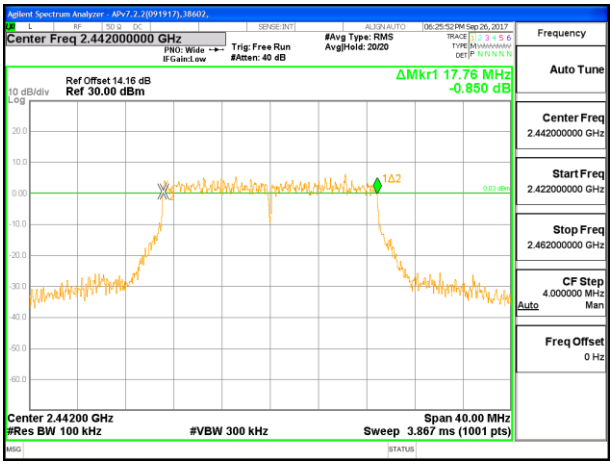
## HIGH CHANNEL 7




HIGH CHANNEL 7 WF4

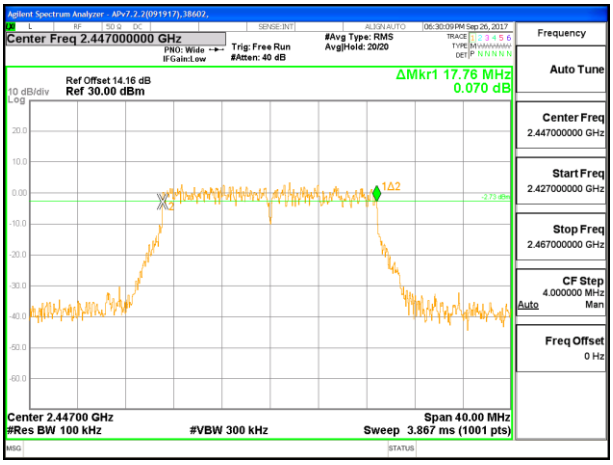



HIGH CHANNEL 7 WF3

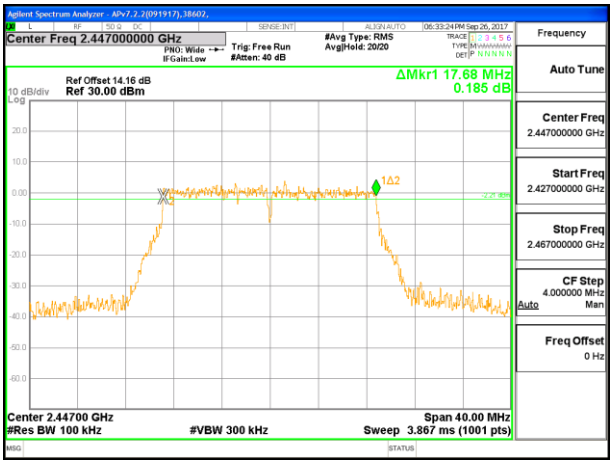



HIGH CHANNEL 7 WF2

## HIGH CHANNEL 8




HIGH CHANNEL 8 WF4

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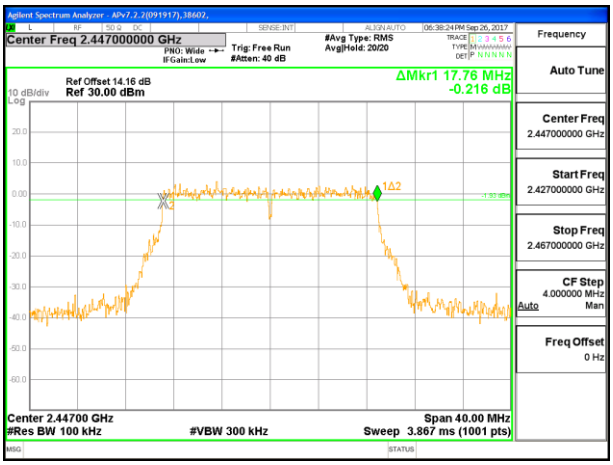
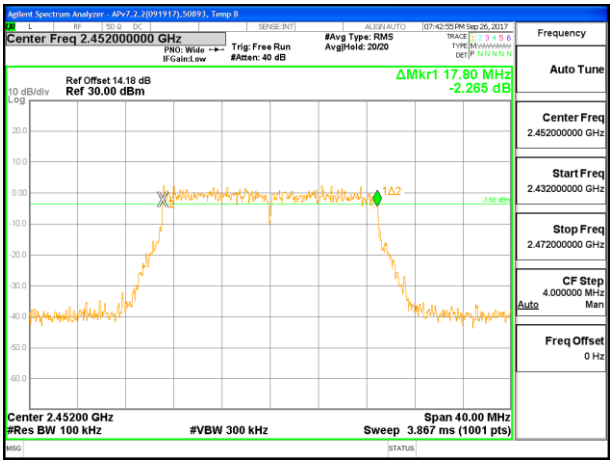
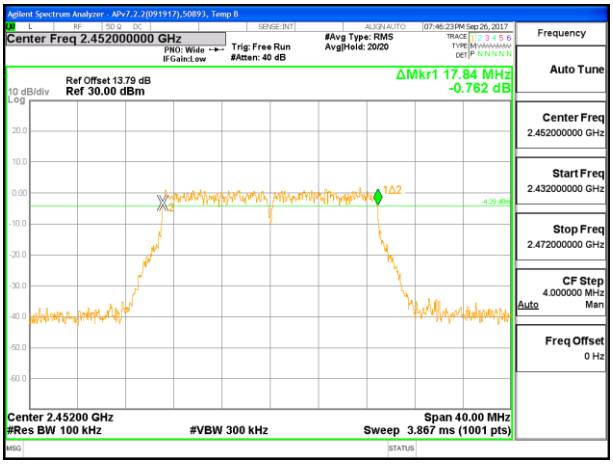



HIGH CHANNEL 8 WF2

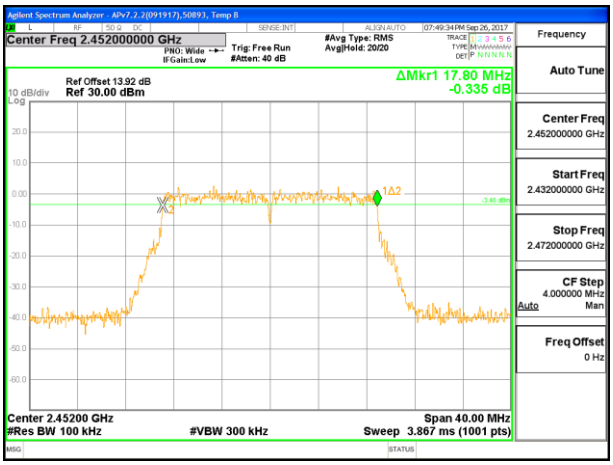
## HIGH CHANNEL 9




**HIGH CHANNEL 9 WF4**

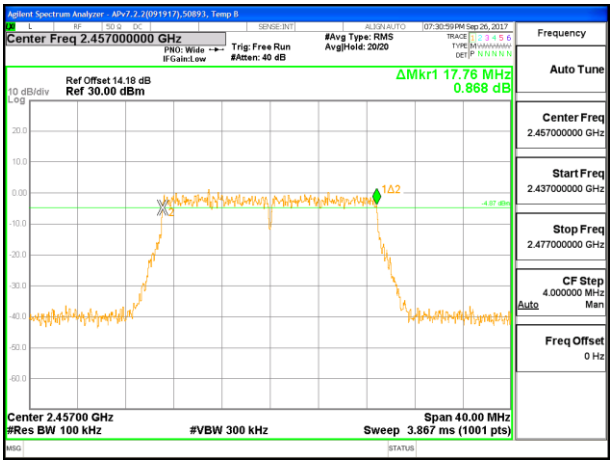



**HIGH CHANNEL 9 WF3**

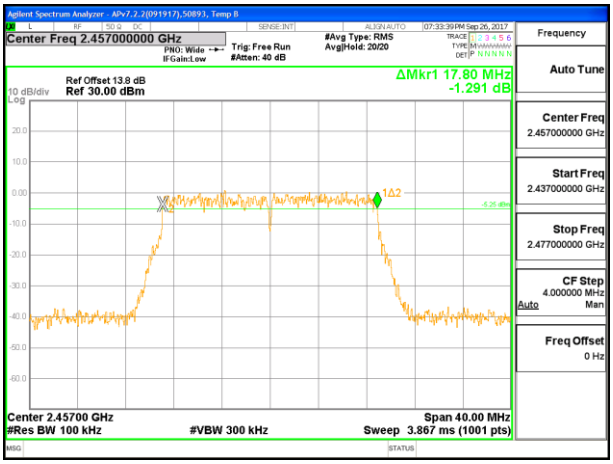



**HIGH CHANNEL 9 WF2**

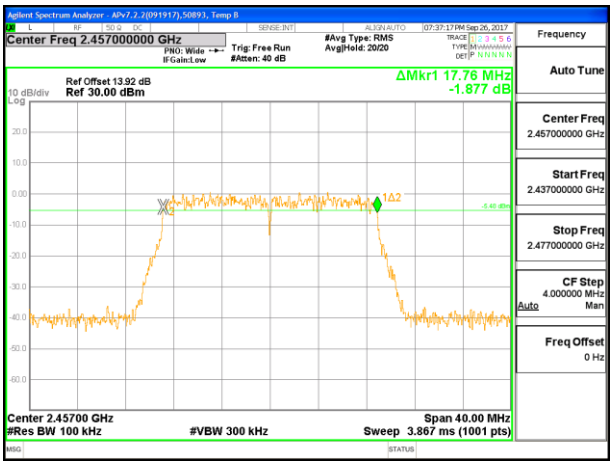
## HIGH CHANNEL 10




**HIGH CHANNEL 10 WF4**

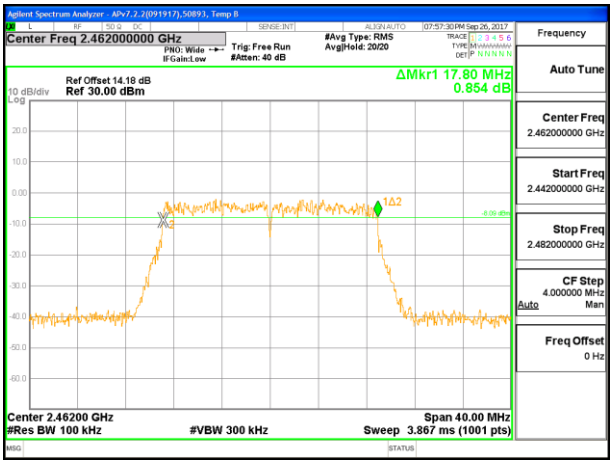



**HIGH CHANNEL 10 WF3**

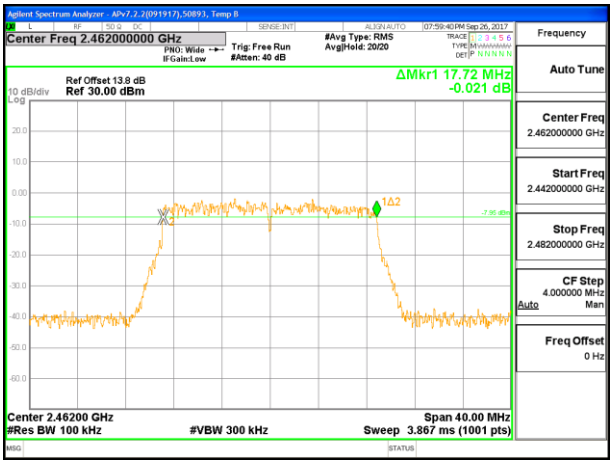



**HIGH CHANNEL 10 WF2**

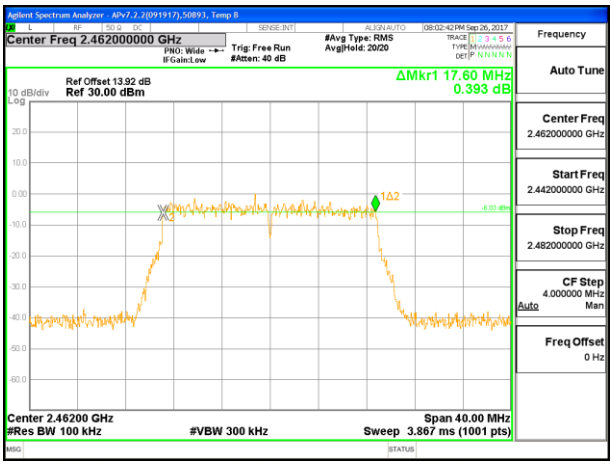
## HIGH CHANNEL 11




HIGH CHANNEL 11 WF4

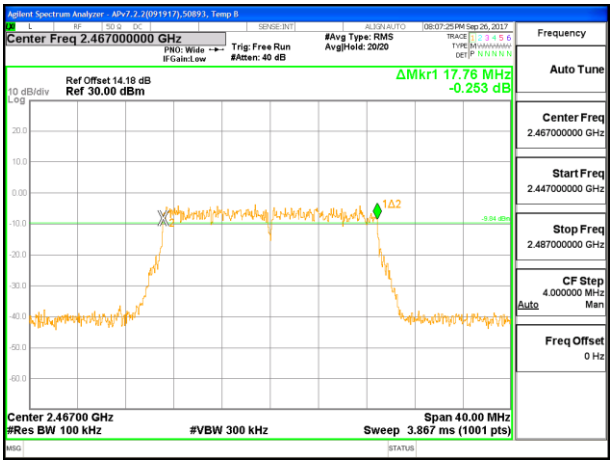



HIGH CHANNEL 11 WF3

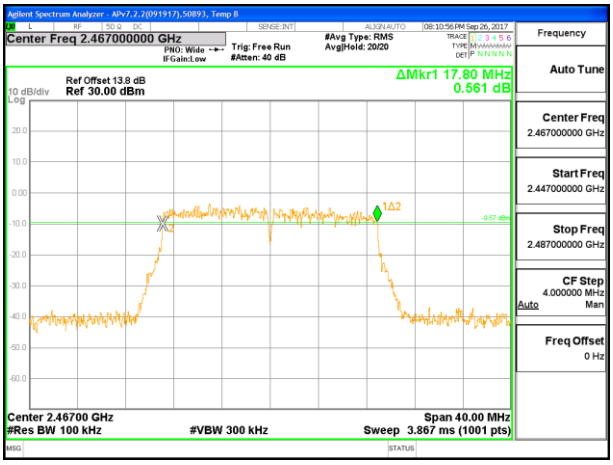



HIGH CHANNEL 11 WF2

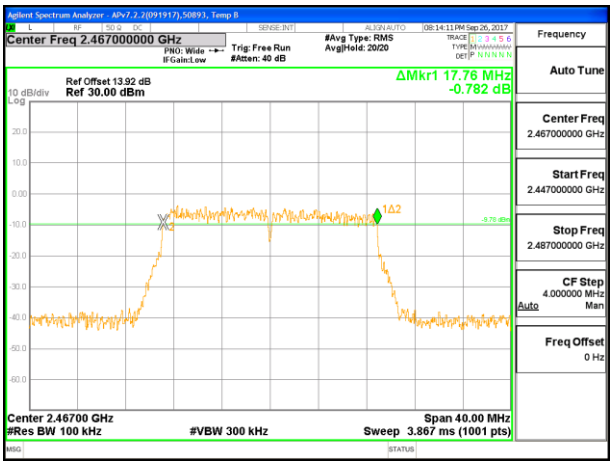
## HIGH CHANNEL 12




HIGH CHANNEL 12 WF4

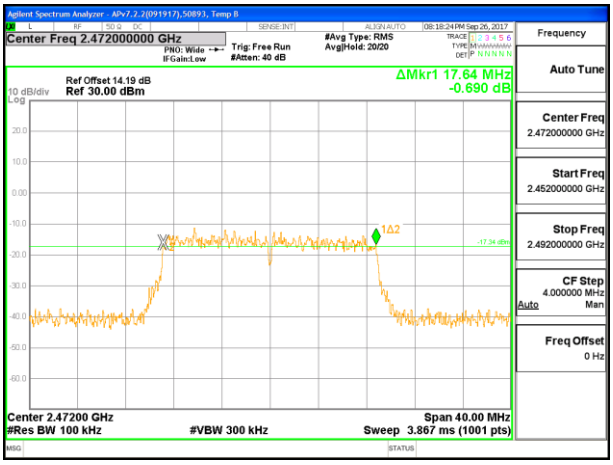



HIGH CHANNEL 12 WF3

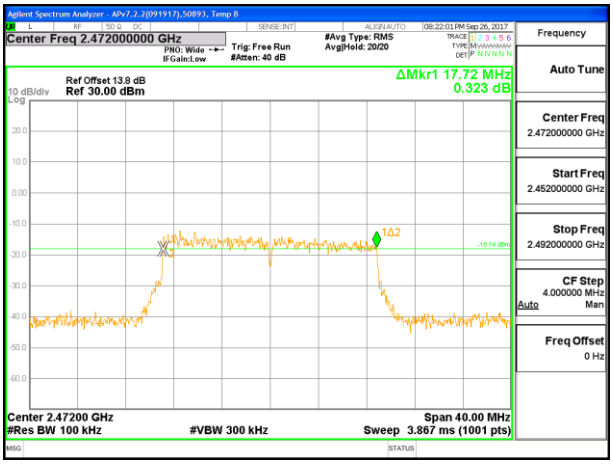



HIGH CHANNEL 12 WF2

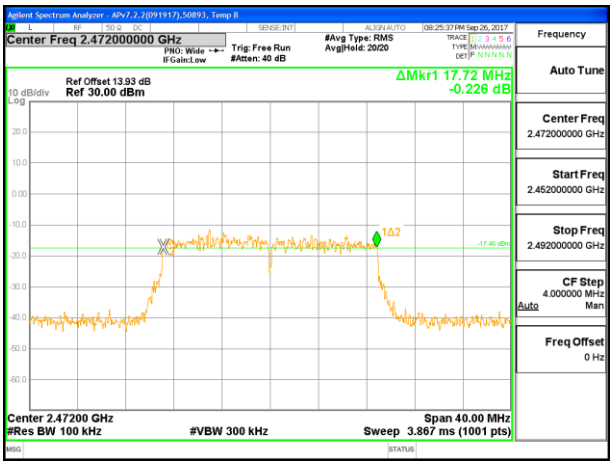
## HIGH CHANNEL 13




HIGH CHANNEL 13 WF4




HIGH CHANNEL 13 WF3




HIGH CHANNEL 13 WF2

## 4.4. OUTPUT POWER

**LIMITS**

FCC §15.247 (b)

IC RSS-247 5.4.4

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**DIRECTIONAL ANTENNA GAIN**

For 1 TX:
There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:
The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF3 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 5.09 | 3.12 | 4.22 |

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF3 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 5.09 | 3.12 | 7.17 |

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 5.09 | 4.13 | 4.64 |

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 5.09 | 4.13 | 7.63 |

The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF3 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 3.12 | 4.13 | 3.65 |

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF3 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|---|---|---|---|
| 2.4 | 3.12 | 4.13 | 6.65 |

For 3 TX:
The TX chains are uncorrelated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF3 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) |
|---|---|---|---|---|
| 2.4 | 5.09 | 3.12 | 4.13 | 4.19 |

The TX chains are correlated and the antenna gain is unequal among the chains. The directional gain is:

| Band (GHz) | WF4 Antenna Gain (dBi) | WF3 Antenna Gain (dBi) | WF2 Antenna Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|---|---|---|---|---|
| 2.4 | 5.09 | 3.12 | 4.13 | 8.92 |

**RESULTS**

| ID: | 30554 | Date: | 10/3/17 |
|---|---|---|---|

### 4.4.1. 802.11b MODE

**1TX Antenna WF4**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 5.09 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 18.71 | 18.71 | 30.00 | -11.29 |
| Low 2 | 2417 | 19.90 | 19.90 | 30.00 | -10.10 |
| Low 3 | 2422 | 20.78 | 20.78 | 30.00 | -9.23 |
| Low 4 | 2427 | 21.89 | 21.89 | 30.00 | -8.11 |
| Mid 6 | 2437 | 22.92 | 22.92 | 30.00 | -7.08 |
| High 9 | 2452 | 20.67 | 20.67 | 30.00 | -9.33 |
| High 10 | 2457 | 19.97 | 19.97 | 30.00 | -10.04 |
| High 11 | 2462 | 17.78 | 17.78 | 30.00 | -12.22 |
| High 12 | 2467 | 15.38 | 15.38 | 30.00 | -14.62 |
| High 13 | 2472 | 11.96 | 11.96 | 30.00 | -18.04 |

**1TX Antenna WF3**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 3.12 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 18.89 | 18.89 | 30.00 | -11.12 |
| Low 2 | 2417 | 19.99 | 19.99 | 30.00 | -10.01 |
| Low 3 | 2422 | 20.87 | 20.87 | 30.00 | -9.13 |
| Low 4 | 2427 | 21.90 | 21.90 | 30.00 | -8.10 |
| Mid 6 | 2437 | 22.97 | 22.97 | 30.00 | -7.03 |
| High 9 | 2452 | 20.87 | 20.87 | 30.00 | -9.13 |
| High 10 | 2457 | 19.95 | 19.95 | 30.00 | -10.05 |
| High 11 | 2462 | 17.91 | 17.91 | 30.00 | -12.09 |
| High 12 | 2467 | 15.49 | 15.49 | 30.00 | -14.52 |
| High 13 | 2472 | 11.82 | 11.82 | 30.00 | -18.19 |

**1TX Antenna WF2**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 4.13 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 18.74 | 18.74 | 30.00 | -11.26 |
| Low 2 | 2417 | 19.97 | 19.97 | 30.00 | -10.03 |
| Low 3 | 2422 | 20.91 | 20.91 | 30.00 | -9.09 |
| Low 4 | 2427 | 21.95 | 21.95 | 30.00 | -8.05 |
| Mid 6 | 2437 | 22.90 | 22.90 | 30.00 | -7.11 |
| High 9 | 2452 | 20.77 | 20.77 | 30.00 | -9.23 |
| High 10 | 2457 | 19.76 | 19.76 | 30.00 | -10.24 |
| High 11 | 2462 | 17.90 | 17.90 | 30.00 | -12.10 |
| High 12 | 2467 | 15.39 | 15.39 | 30.00 | -14.61 |
| High 13 | 2472 | 11.93 | 11.93 | 30.00 | -18.07 |

**2TX Antenna WF4 + Antenna WF3 CDD mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.22 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.22 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.22 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.22 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.22 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.22 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.22 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.22 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.22 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.22 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.22 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.43 | 18.48 | 21.46 | 30.00 | -8.54 |
| Low 2 | 2417 | 19.99 | 19.78 | 22.90 | 30.00 | -7.10 |
| Low 3 | 2422 | 19.87 | 19.74 | 22.81 | 30.00 | -7.19 |
| Low 4 | 2427 | 21.81 | 21.88 | 24.86 | 30.00 | -5.14 |
| Mid 6 | 2437 | 22.76 | 22.89 | 25.83 | 30.00 | -4.17 |
| High 8 | 2447 | 21.89 | 21.94 | 24.93 | 30.00 | -5.07 |
| High 9 | 2452 | 20.37 | 20.42 | 23.41 | 30.00 | -6.59 |
| High 10 | 2457 | 19.45 | 19.38 | 22.42 | 30.00 | -7.58 |
| High 11 | 2462 | 17.85 | 17.72 | 20.79 | 30.00 | -9.21 |
| High 12 | 2467 | 15.45 | 15.32 | 18.40 | 30.00 | -11.60 |
| High 13 | 2472 | 10.83 | 10.92 | 13.88 | 30.00 | -16.12 |

**2TX Antenna WF4 + Antenna WF2 CDD Mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.64 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.64 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.64 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.64 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.64 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.64 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.64 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.64 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.64 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.64 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.64 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.36 | 18.43 | 21.40 | 30.00 | -8.60 |
| Low 2 | 2417 | 19.82 | 19.76 | 22.80 | 30.00 | -7.20 |
| Low 3 | 2422 | 19.92 | 19.90 | 22.92 | 30.00 | -7.08 |
| Low 4 | 2427 | 21.77 | 21.89 | 24.84 | 30.00 | -5.16 |
| Mid 6 | 2437 | 22.76 | 22.86 | 25.82 | 30.00 | -4.18 |
| High 8 | 2447 | 21.89 | 21.90 | 24.91 | 30.00 | -5.09 |
| High 9 | 2452 | 20.32 | 20.45 | 23.40 | 30.00 | -6.60 |
| High 10 | 2457 | 19.45 | 19.44 | 22.46 | 30.00 | -7.54 |
| High 11 | 2462 | 17.94 | 17.79 | 20.87 | 30.00 | -9.13 |
| High 12 | 2467 | 15.45 | 15.38 | 18.42 | 30.00 | -11.58 |
| High 13 | 2472 | 10.86 | 10.92 | 13.90 | 30.00 | -16.10 |

**2TX Antenna WF3 + Antenna WF2 CDD mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 3.65 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 3.65 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 3.65 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 3.65 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 3.65 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 3.65 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 3.65 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 3.65 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 3.65 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 3.65 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 3.65 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.47 | 18.45 | 21.47 | 30.00 | -8.53 |
| Low 2 | 2417 | 19.90 | 19.82 | 22.87 | 30.00 | -7.13 |
| Low 3 | 2422 | 19.73 | 19.92 | 22.83 | 30.00 | -7.17 |
| Low 4 | 2427 | 21.76 | 21.83 | 24.81 | 30.00 | -5.19 |
| Mid 6 | 2437 | 22.95 | 22.75 | 25.86 | 30.00 | -4.14 |
| High 8 | 2447 | 21.82 | 21.83 | 24.84 | 30.00 | -5.16 |
| High 9 | 2452 | 20.48 | 20.38 | 23.44 | 30.00 | -6.56 |
| High 10 | 2457 | 19.36 | 19.37 | 22.38 | 30.00 | -7.62 |
| High 11 | 2462 | 17.83 | 17.91 | 20.88 | 30.00 | -9.12 |
| High 12 | 2467 | 15.47 | 15.43 | 18.46 | 30.00 | -11.54 |
| High 13 | 2472 | 10.70 | 10.89 | 13.81 | 30.00 | -16.19 |

**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 CDD Mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.19 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.19 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.19 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.19 | 30.00 | 36 | 30.00 |
| Low 5 | 2432 | 4.19 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.19 | 30.00 | 36 | 30.00 |
| High 7 | 2442 | 4.19 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.19 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.19 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.19 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.19 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.19 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.19 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|
| Low 1 | 2412 | 16.46 | 16.40 | 16.45 | 21.21 | 30.00 | -8.79 |
| Low 2 | 2417 | 18.36 | 18.43 | 18.38 | 23.16 | 30.00 | -6.84 |
| Low 3 | 2422 | 19.83 | 19.93 | 19.89 | 24.66 | 30.00 | -5.34 |
| Low 4 | 2427 | 20.89 | 20.98 | 20.94 | 25.71 | 30.00 | -4.29 |
| Low 5 | 2432 | 21.86 | 21.74 | 21.92 | 26.61 | 30.00 | -3.39 |
| Mid 6 | 2437 | 22.78 | 22.72 | 22.84 | 27.55 | 30.00 | -2.45 |
| High 7 | 2442 | 21.99 | 21.85 | 21.79 | 26.65 | 30.00 | -3.35 |
| High 8 | 2447 | 20.78 | 20.89 | 20.86 | 25.61 | 30.00 | -4.39 |
| High 9 | 2452 | 19.85 | 19.90 | 19.72 | 24.59 | 30.00 | -5.41 |
| High 10 | 2457 | 17.81 | 17.97 | 17.86 | 22.65 | 30.00 | -7.35 |
| High 11 | 2462 | 15.98 | 15.94 | 15.92 | 20.72 | 30.00 | -9.28 |
| High 12 | 2467 | 14.85 | 14.79 | 14.85 | 19.60 | 30.00 | -10.40 |
| High 13 | 2472 | 10.48 | 10.44 | 10.33 | 15.19 | 30.00 | -14.81 |

## 4.4.2. 802.11n HT20 MODE

**1TX Antenna WF4**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Low 5 | 2432 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 7 | 2442 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 8 | 2447 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 5.09 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 5.09 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.23 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 21.75 | 21.98 | 30.00 | -8.02 |
| Low 2 | 2417 | 23.78 | 24.01 | 30.00 | -5.99 |
| Low 3 | 2422 | 25.17 | 25.40 | 30.00 | -4.60 |
| Low 4 | 2427 | 26.99 | 27.22 | 30.00 | -2.78 |
| Low 5 | 2432 | 27.62 | 27.85 | 30.00 | -2.15 |
| Mid 6 | 2437 | 28.15 | 28.38 | 30.00 | -1.62 |
| High 7 | 2442 | 28.28 | 28.51 | 30.00 | -1.49 |
| High 8 | 2447 | 27.42 | 27.65 | 30.00 | -2.35 |
| High 9 | 2452 | 26.27 | 26.50 | 30.00 | -3.50 |
| High 10 | 2457 | 23.48 | 23.71 | 30.00 | -6.29 |
| High 11 | 2462 | 22.59 | 22.82 | 30.00 | -7.18 |
| High 12 | 2467 | 20.02 | 20.25 | 30.00 | -9.75 |
| High 13 | 2472 | 2.93 | 3.16 | 30.00 | -26.84 |

**1TX Antenna WF3**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Low 5 | 2432 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 7 | 2442 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 8 | 2447 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 3.12 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 3.12 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.23 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 21.19 | 21.42 | 30.00 | -8.58 |
| Low 2 | 2417 | 23.33 | 23.56 | 30.00 | -6.44 |
| Low 3 | 2422 | 25.46 | 25.69 | 30.00 | -4.31 |
| Low 4 | 2427 | 27.60 | 27.83 | 30.00 | -2.17 |
| Low 5 | 2432 | 27.94 | 28.17 | 30.00 | -1.83 |
| Mid 6 | 2437 | 28.29 | 28.52 | 30.00 | -1.48 |
| High 7 | 2442 | 28.07 | 28.30 | 30.00 | -1.70 |
| High 8 | 2447 | 27.54 | 27.77 | 30.00 | -2.23 |
| High 9 | 2452 | 26.08 | 26.31 | 30.00 | -3.69 |
| High 10 | 2457 | 23.61 | 23.84 | 30.00 | -6.16 |
| High 11 | 2462 | 22.44 | 22.67 | 30.00 | -7.33 |
| High 12 | 2467 | 19.64 | 19.87 | 30.00 | -10.13 |
| High 13 | 2472 | 10.63 | 10.86 | 30.00 | -19.14 |

**1TX Antenna WF2**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 2 | 2417 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 3 | 2422 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 4 | 2427 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Low 5 | 2432 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 7 | 2442 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| high 8 | 2447 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 9 | 2452 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 10 | 2457 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 12 | 2467 | 4.13 | 30.00 | 30 | 36 | 30.00 |
| High 13 | 2472 | 4.13 | 30.00 | 30 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.23 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 21.53 | 21.76 | 30.00 | -8.24 |
| Low 2 | 2417 | 23.61 | 23.84 | 30.00 | -6.16 |
| Low 3 | 2422 | 24.97 | 25.20 | 30.00 | -4.80 |
| Low 4 | 2427 | 26.81 | 27.04 | 30.00 | -2.96 |
| Low 5 | 2432 | 27.44 | 27.67 | 30.00 | -2.33 |
| Mid 6 | 2437 | 28.58 | 28.81 | 30.00 | -1.19 |
| High 7 | 2442 | 28.05 | 28.28 | 30.00 | -1.72 |
| high 8 | 2447 | 27.10 | 27.33 | 30.00 | -2.67 |
| High 9 | 2452 | 26.31 | 26.54 | 30.00 | -3.46 |
| High 10 | 2457 | 23.11 | 23.34 | 30.00 | -6.66 |
| High 11 | 2462 | 22.01 | 22.24 | 30.00 | -7.76 |
| High 12 | 2467 | 20.13 | 20.36 | 30.00 | -9.64 |
| High 13 | 2472 | 10.95 | 11.18 | 30.00 | -18.82 |

## 4.4.3. 802.11n HT20 CDD AND BF MODE

**2TX Antenna WF4 + Antenna WF3 CDD mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.22 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.22 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.22 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.22 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.22 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.22 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.22 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.22 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.22 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.22 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.22 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.24 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.35 | 18.53 | 21.69 | 30.00 | -8.31 |
| Low 2 | 2417 | 20.81 | 20.64 | 23.98 | 30.00 | -6.02 |
| Low 3 | 2422 | 23.96 | 23.66 | 27.06 | 30.00 | -2.94 |
| Low 4 | 2427 | 25.43 | 25.12 | 28.53 | 30.00 | -1.47 |
| Mid 6 | 2437 | 26.21 | 26.00 | 29.36 | 30.00 | -0.64 |
| High 8 | 2447 | 25.04 | 24.86 | 28.20 | 30.00 | -1.80 |
| High 9 | 2452 | 24.01 | 23.98 | 27.25 | 30.00 | -2.75 |
| High 10 | 2457 | 22.74 | 22.68 | 25.96 | 30.00 | -4.04 |
| High 11 | 2462 | 20.11 | 19.85 | 23.23 | 30.00 | -6.77 |
| High 12 | 2467 | 17.19 | 17.01 | 20.35 | 30.00 | -9.65 |
| High 13 | 2472 | 7.91 | 8.06 | 11.24 | 30.00 | -18.76 |

**2TX Antenna WF4 + Antenna WF3 BF mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.22 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.22 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.22 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.22 | 30.00 | 36 | 30.00 |
| Low 5 | 2432 | 4.22 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.22 | 30.00 | 36 | 30.00 |
| High 7 | 2442 | 4.22 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.22 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.22 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.22 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.22 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.22 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.22 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 17.09 | 17.24 | 20.29 | 30.00 | -9.71 |
| Low 2 | 2417 | 20.08 | 20.07 | 23.20 | 30.00 | -6.80 |
| Low 3 | 2422 | 21.68 | 21.32 | 24.63 | 30.00 | -5.37 |
| Low 4 | 2427 | 22.82 | 22.69 | 25.89 | 30.00 | -4.11 |
| Low 5 | 2432 | 23.22 | 22.88 | 26.18 | 30.00 | -3.82 |
| Mid 6 | 2437 | 24.06 | 23.87 | 27.10 | 30.00 | -2.90 |
| High 7 | 2442 | 23.39 | 23.33 | 26.49 | 30.00 | -3.51 |
| High 8 | 2447 | 22.12 | 22.19 | 25.29 | 30.00 | -4.71 |
| High 9 | 2452 | 21.03 | 20.73 | 24.02 | 30.00 | -5.98 |
| High 10 | 2457 | 19.71 | 19.60 | 22.78 | 30.00 | -7.22 |
| High 11 | 2462 | 15.57 | 17.15 | 19.56 | 30.00 | -10.44 |
| High 12 | 2467 | 15.33 | 15.23 | 18.41 | 30.00 | -11.59 |
| High 13 | 2472 | 8.15 | 8.22 | 11.31 | 30.00 | -18.69 |

**2TX Antenna WF4 + Antenna WF2 CDD Mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.64 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.64 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.64 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.64 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.64 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.64 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.64 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.64 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.64 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.64 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.64 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.24 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.34 | 18.41 | 21.63 | 30.00 | -8.37 |
| Low 2 | 2417 | 20.71 | 20.66 | 23.94 | 30.00 | -6.06 |
| Low 3 | 2422 | 23.79 | 23.88 | 27.09 | 30.00 | -2.91 |
| Low 4 | 2427 | 24.62 | 24.77 | 27.95 | 30.00 | -2.05 |
| Mid 6 | 2437 | 26.11 | 25.88 | 29.25 | 30.00 | -0.75 |
| High 8 | 2447 | 25.09 | 25.72 | 28.67 | 30.00 | -1.33 |
| High 9 | 2452 | 23.83 | 24.29 | 27.32 | 30.00 | -2.68 |
| High 10 | 2457 | 22.32 | 22.78 | 25.81 | 30.00 | -4.19 |
| High 11 | 2462 | 19.96 | 20.22 | 23.34 | 30.00 | -6.66 |
| High 12 | 2467 | 17.01 | 17.28 | 20.40 | 30.00 | -9.60 |
| High 13 | 2472 | 7.87 | 8.16 | 11.27 | 30.00 | -18.73 |

**2TX Antenna WF4 + Antenna WF2 BF mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.64 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.64 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.64 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.64 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.64 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.64 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.64 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.64 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.64 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.64 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.64 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 17.28 | 17.04 | 20.29 | 30.00 | -9.71 |
| Low 2 | 2417 | 20.07 | 19.83 | 23.08 | 30.00 | -6.92 |
| Low 3 | 2422 | 21.10 | 21.09 | 24.23 | 30.00 | -5.77 |
| Low 4 | 2427 | 22.90 | 22.50 | 25.84 | 30.00 | -4.16 |
| Mid 6 | 2437 | 23.96 | 23.76 | 26.99 | 30.00 | -3.01 |
| High 8 | 2447 | 22.24 | 22.27 | 25.38 | 30.00 | -4.62 |
| High 9 | 2452 | 20.66 | 21.02 | 23.97 | 30.00 | -6.03 |
| High 10 | 2457 | 19.65 | 19.51 | 22.71 | 30.00 | -7.29 |
| High 11 | 2462 | 17.38 | 17.34 | 20.49 | 30.00 | -9.51 |
| High 12 | 2467 | 15.80 | 15.21 | 18.65 | 30.00 | -11.35 |
| High 13 | 2472 | 7.91 | 7.99 | 11.08 | 30.00 | -18.92 |

**2TX Antenna WF3 + Antenna WF2 CDD mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 3.65 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 3.65 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 3.65 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 3.65 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 3.65 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 3.65 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 3.65 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 3.65 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 3.65 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 3.65 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 3.65 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.24 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 18.44 | 18.31 | 21.63 | 30.00 | -8.37 |
| Low 2 | 2417 | 20.50 | 20.72 | 23.86 | 30.00 | -6.14 |
| Low 3 | 2422 | 23.52 | 23.81 | 26.92 | 30.00 | -3.08 |
| Low 4 | 2427 | 24.95 | 24.67 | 28.06 | 30.00 | -1.94 |
| Mid 6 | 2437 | 26.09 | 25.80 | 29.20 | 30.00 | -0.80 |
| High 8 | 2447 | 24.78 | 25.00 | 28.14 | 30.00 | -1.86 |
| High 9 | 2452 | 23.82 | 24.37 | 27.35 | 30.00 | -2.65 |
| High 10 | 2457 | 22.77 | 22.69 | 25.98 | 30.00 | -4.02 |
| High 11 | 2462 | 20.12 | 20.32 | 23.47 | 30.00 | -6.53 |
| High 12 | 2467 | 16.80 | 17.33 | 20.32 | 30.00 | -9.68 |
| High 13 | 2472 | 8.15 | 8.20 | 11.43 | 30.00 | -18.57 |

**2TX Antenna WF3 + Antenna WF2 BF mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 3.65 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 3.65 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 3.65 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 3.65 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 3.65 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 3.65 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 3.65 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 3.65 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 3.65 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 3.65 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 3.65 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.12 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|
| Low 1 | 2412 | 17.00 | 17.04 | 20.15 | 30.00 | -9.85 |
| Low 2 | 2417 | 20.07 | 19.83 | 23.08 | 30.00 | -6.92 |
| Low 3 | 2422 | 21.32 | 21.09 | 24.34 | 30.00 | -5.66 |
| Low 4 | 2427 | 22.69 | 22.50 | 25.73 | 30.00 | -4.27 |
| Mid 6 | 2437 | 23.87 | 23.76 | 26.95 | 30.00 | -3.05 |
| High 8 | 2447 | 22.19 | 22.27 | 25.36 | 30.00 | -4.64 |
| High 9 | 2452 | 20.73 | 21.02 | 24.01 | 30.00 | -5.99 |
| High 10 | 2457 | 19.60 | 19.51 | 22.68 | 30.00 | -7.32 |
| High 11 | 2462 | 17.15 | 17.34 | 20.38 | 30.00 | -9.62 |
| High 12 | 2467 | 15.23 | 15.21 | 18.35 | 30.00 | -11.65 |
| High 13 | 2472 | 8.22 | 7.99 | 11.24 | 30.00 | -18.76 |

**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 CDD Mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.19 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.19 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.19 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.19 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.19 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.19 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.19 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.19 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.19 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.19 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.19 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.24 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|
| Low 1 | 2412 | 17.88 | 17.41 | 17.39 | 22.58 | 30.00 | -7.42 |
| Low 2 | 2417 | 21.02 | 21.44 | 20.96 | 26.16 | 30.00 | -3.84 |
| Low 3 | 2422 | 22.49 | 22.22 | 22.91 | 27.56 | 30.00 | -2.44 |
| Low 4 | 2427 | 23.65 | 23.51 | 23.20 | 28.47 | 30.00 | -1.53 |
| Mid 6 | 2437 | 24.36 | 23.81 | 24.05 | 29.09 | 30.00 | -0.91 |
| High 8 | 2447 | 23.58 | 23.48 | 23.19 | 28.43 | 30.00 | -1.57 |
| High 9 | 2452 | 22.38 | 22.66 | 22.50 | 27.53 | 30.00 | -2.47 |
| High 10 | 2457 | 21.62 | 21.37 | 21.78 | 26.60 | 30.00 | -3.40 |
| High 11 | 2462 | 18.12 | 18.53 | 18.35 | 23.35 | 30.00 | -6.65 |
| High 12 | 2467 | 16.88 | 16.71 | 16.98 | 21.87 | 30.00 | -8.13 |
| High 13 | 2472 | 7.60 | 7.24 | 7.89 | 12.60 | 30.00 | -17.40 |

**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 BF Mode**

**Limits**

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/IC Power Limit (dBm) | IC EIRP Limit (dBm) | Max Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 4.19 | 30.00 | 36 | 30.00 |
| Low 2 | 2417 | 4.19 | 30.00 | 36 | 30.00 |
| Low 3 | 2422 | 4.19 | 30.00 | 36 | 30.00 |
| Low 4 | 2427 | 4.19 | 30.00 | 36 | 30.00 |
| Low 5 | 2432 | 4.19 | 30.00 | 36 | 30.00 |
| Mid 6 | 2437 | 4.19 | 30.00 | 36 | 30.00 |
| High 7 | 2442 | 4.19 | 30.00 | 36 | 30.00 |
| High 8 | 2447 | 4.19 | 30.00 | 36 | 30.00 |
| High 9 | 2452 | 4.19 | 30.00 | 36 | 30.00 |
| High 10 | 2457 | 4.19 | 30.00 | 36 | 30.00 |
| High 11 | 2462 | 4.19 | 30.00 | 36 | 30.00 |
| High 12 | 2467 | 4.19 | 30.00 | 36 | 30.00 |
| High 13 | 2472 | 4.19 | 30.00 | 36 | 30.00 |

| Duty Cycle CF (dB) | 0.15 | Included in Calculations of Corr'd Power |
|---|---|---|

**Results**

| Channel | Frequency (MHz) | WF4 Meas Power (dBm) | WF3 Meas Power (dBm) | WF2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---|---|---|---|---|---|---|---|
| Low 1 | 2412 | 17.55 | 17.38 | 17.65 | 22.45 | 30.00 | -7.55 |
| Low 2 | 2417 | 20.36 | 20.17 | 20.49 | 25.26 | 30.00 | -4.74 |
| Low 3 | 2422 | 21.88 | 21.66 | 21.93 | 26.75 | 30.00 | -3.25 |
| Low 4 | 2427 | 23.08 | 22.83 | 23.22 | 27.97 | 30.00 | -2.03 |
| Low 5 | 2432 | 23.41 | 23.15 | 23.58 | 28.30 | 30.00 | -1.70 |
| Mid 6 | 2437 | 24.27 | 24.03 | 24.31 | 29.13 | 30.00 | -0.87 |
| High 7 | 2442 | 23.88 | 23.62 | 23.89 | 28.72 | 30.00 | -1.28 |
| High 8 | 2447 | 22.71 | 22.31 | 22.83 | 27.54 | 30.00 | -2.46 |
| High 9 | 2452 | 21.33 | 20.95 | 21.36 | 26.14 | 30.00 | -3.86 |
| High 10 | 2457 | 20.00 | 19.89 | 20.09 | 24.91 | 30.00 | -5.09 |
| High 11 | 2462 | 17.67 | 17.32 | 17.62 | 22.46 | 30.00 | -7.54 |
| High 12 | 2467 | 15.49 | 15.35 | 15.64 | 20.42 | 30.00 | -9.58 |
| High 13 | 2472 | 6.51 | 6.03 | 6.49 | 11.27 | 30.00 | -18.73 |

## 4.5. AVERAGE POWER

| ID: | 30554 | Date: | 10/3/17 |
|---|---|---|---|

**LIMITS**

None; for reporting purposes only

**TEST PROCEDURE**

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11 dB (including 10 dB pad and 1 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

**RESULTS**



UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888

### 4.5.1. 802.11n HT20 MODE

**1TX Antenna WF4**

| Channel | Frequency (MHz) | WF1 Power (dBm) |
|---|---|---|
| Low 1 | 2412 | 14.44 |
| Low 2 | 2417 | 16.46 |
| Low 3 | 2422 | 17.88 |
| Low 4 | 2427 | 19.98 |
| Low 5 | 2432 | 20.45 |
| Mid 6 | 2437 | 21.93 |
| High 7 | 2442 | 20.41 |
| High 8 | 2447 | 19.35 |
| High 9 | 2452 | 18.37 |
| High 10 | 2457 | 15.99 |
| High 11 | 2462 | 14.47 |
| High 12 | 2467 | 11.91 |
| High 13 | 2472 | 2.93 |

**1TX Antenna WF3**

| Channel | Frequency (MHz) | WF2 Power (dBm) |
|---|---|---|
| Low 1 | 2412 | 14.38 |
| Low 2 | 2417 | 16.36 |
| Low 3 | 2422 | 17.96 |
| Low 4 | 2427 | 19.92 |
| Low 5 | 2432 | 20.37 |
| Mid 6 | 2437 | 21.83 |
| High 7 | 2442 | 20.49 |
| High 8 | 2447 | 19.47 |
| High 9 | 2452 | 18.41 |
| High 10 | 2457 | 15.89 |
| High 11 | 2462 | 14.43 |
| High 12 | 2467 | 11.95 |
| High 13 | 2472 | 2.94 |

**1TX Antenna WF2**

| Channel | Frequency (MHz) | WF3 Power (dBm) |
|---|---|---|
| Low 1 | 2412 | 14.28 |
| Low 2 | 2417 | 16.44 |
| Low 3 | 2422 | 17.96 |
| Low 4 | 2427 | 19.75 |
| Low 5 | 2432 | 20.41 |
| Mid 6 | 2437 | 21.82 |
| High 7 | 2442 | 20.34 |
| High 8 | 2447 | 19.41 |
| High 9 | 2452 | 18.33 |
| High 10 | 2457 | 15.87 |
| High 11 | 2462 | 14.34 |
| High 12 | 2467 | 11.93 |
| High 13 | 2472 | 2.79 |

### 4.5.2. 802.11n HT20 CDD AND BF Mode

**2TX Antenna WF4 + Antenna WF3 CDD mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF3 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 11.78 | 11.84 | 14.82 |
| Low 2 | 2417 | 14.29 | 14.40 | 17.36 |
| Low 3 | 2422 | 17.35 | 17.49 | 20.43 |
| Low 4 | 2427 | 19.41 | 19.44 | 22.44 |
| Mid 6 | 2437 | 19.90 | 19.97 | 22.95 |
| High 8 | 2447 | 18.80 | 18.94 | 21.88 |
| High 9 | 2452 | 16.77 | 16.83 | 19.81 |
| High 10 | 2457 | 15.36 | 15.43 | 18.41 |
| High 11 | 2462 | 12.89 | 12.99 | 15.95 |
| High 12 | 2467 | 9.79 | 9.85 | 12.83 |
| High 13 | 2472 | 0.89 | 0.97 | 3.94 |

**2TX Antenna WF4 + Antenna WF3 BF mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF3 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 10.80 | 10.89 | 13.86 |
| Low 2 | 2417 | 13.94 | 13.99 | 16.98 |
| Low 3 | 2422 | 15.45 | 15.47 | 18.47 |
| Low 4 | 2427 | 16.85 | 16.97 | 19.92 |
| Low 5 | 2432 | 17.42 | 17.49 | 20.47 |
| Mid 6 | 2437 | 18.41 | 18.49 | 21.46 |
| High 7 | 2442 | 17.87 | 17.91 | 20.90 |
| High 8 | 2447 | 16.40 | 16.48 | 19.45 |
| High 9 | 2452 | 14.87 | 14.92 | 17.91 |
| High 10 | 2457 | 13.44 | 13.48 | 16.47 |
| High 11 | 2462 | 10.89 | 10.94 | 13.93 |
| High 12 | 2467 | 8.85 | 8.94 | 11.91 |
| High 13 | 2472 | 0.39 | 0.48 | 3.45 |

**2TX Antenna WF4 + Antenna WF2 CDD Mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 11.94 | 11.97 | 14.97 |
| Low 2 | 2417 | 14.33 | 14.47 | 17.41 |
| Low 3 | 2422 | 17.43 | 17.49 | 20.47 |
| Low 4 | 2427 | 19.46 | 19.48 | 22.48 |
| Mid 6 | 2437 | 19.87 | 19.95 | 22.92 |
| High 8 | 2447 | 18.88 | 18.97 | 21.94 |
| High 9 | 2452 | 16.97 | 16.99 | 19.99 |
| High 10 | 2457 | 15.40 | 15.48 | 18.45 |
| High 11 | 2462 | 12.87 | 12.96 | 15.93 |
| High 12 | 2467 | 9.91 | 9.99 | 12.96 |
| High 13 | 2472 | 0.80 | 0.94 | 3.88 |

**2TX Antenna WF4 + Antenna WF2 BF mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 10.82 | 10.95 | 13.90 |
| Low 2 | 2417 | 13.94 | 13.98 | 16.97 |
| Low 3 | 2422 | 15.40 | 15.49 | 18.46 |
| Low 4 | 2427 | 16.87 | 16.98 | 19.94 |
| Mid 6 | 2437 | 18.42 | 18.49 | 21.47 |
| High 8 | 2447 | 16.46 | 16.49 | 19.49 |
| High 9 | 2452 | 14.77 | 14.89 | 17.84 |
| High 10 | 2457 | 13.42 | 13.48 | 16.46 |
| High 11 | 2462 | 10.75 | 10.97 | 13.87 |
| High 12 | 2467 | 8.80 | 8.87 | 11.85 |
| High 13 | 2472 | 0.44 | 0.49 | 3.48 |

**2TX Antenna WF3 + Antenna WF2 CDD mode**

| Channel | Frequency (MHz) | WF3 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 11.84 | 11.88 | 14.87 |
| Low 2 | 2417 | 14.42 | 14.46 | 17.45 |
| Low 3 | 2422 | 17.35 | 17.41 | 20.39 |
| Low 4 | 2427 | 19.44 | 19.49 | 22.48 |
| Mid 6 | 2437 | 19.78 | 19.82 | 22.81 |
| High 8 | 2447 | 18.84 | 18.89 | 21.88 |
| High 9 | 2452 | 16.86 | 16.90 | 19.89 |
| High 10 | 2457 | 15.46 | 15.48 | 18.48 |
| High 11 | 2462 | 12.79 | 12.84 | 15.83 |
| High 12 | 2467 | 9.90 | 9.98 | 12.95 |
| High 13 | 2472 | 0.77 | 0.85 | 3.82 |

**2TX Antenna WF3 + Antenna WF2 BF mode**

| Channel | Frequency (MHz) | WF3 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|
| Low 1 | 2412 | 10.92 | 10.83 | 13.89 |
| Low 2 | 2417 | 13.85 | 13.81 | 16.84 |
| Low 3 | 2422 | 15.40 | 15.35 | 18.39 |
| Low 4 | 2427 | 16.83 | 16.72 | 19.79 |
| Mid 6 | 2437 | 18.44 | 18.36 | 21.41 |
| High 8 | 2447 | 16.38 | 16.35 | 19.38 |
| High 9 | 2452 | 14.79 | 14.77 | 17.79 |
| High 10 | 2457 | 13.42 | 13.40 | 16.42 |
| High 11 | 2462 | 10.88 | 10.85 | 13.88 |
| High 12 | 2467 | 8.79 | 8.74 | 11.78 |
| High 13 | 2472 | 0.47 | 0.46 | 3.48 |

**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 CDD Mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF3 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 11.40 | 11.38 | 11.47 | 16.19 |
| Low 2 | 2417 | 14.39 | 14.42 | 14.49 | 19.20 |
| Low 3 | 2422 | 15.75 | 15.74 | 15.93 | 20.58 |
| Low 4 | 2427 | 18.84 | 18.80 | 18.90 | 23.62 |
| Mid 6 | 2437 | 19.87 | 19.79 | 19.89 | 24.62 |
| High 8 | 2447 | 18.84 | 18.76 | 18.98 | 23.63 |
| High 9 | 2452 | 15.80 | 15.72 | 15.91 | 20.58 |
| High 10 | 2457 | 14.86 | 14.77 | 14.98 | 19.64 |
| High 11 | 2462 | 12.41 | 12.36 | 12.45 | 17.18 |
| High 12 | 2467 | 9.87 | 9.79 | 9.96 | 14.65 |
| High 13 | 2472 | -0.01 | -0.03 | -0.05 | 4.74 |

**3TX Antenna WF4 + Antenna WF3 + Antenna WF2 BF Mode**

| Channel | Frequency (MHz) | WF4 Power (dBm) | WF3 Power (dBm) | WF2 Power (dBm) | Total Power (dBm) |
|---|---|---|---|---|---|
| Low 1 | 2412 | 10.79 | 10.84 | 10.94 | 15.63 |
| Low 2 | 2417 | 13.86 | 13.94 | 13.99 | 18.70 |
| Low 3 | 2422 | 15.44 | 15.41 | 15.48 | 20.21 |
| Low 4 | 2427 | 16.99 | 16.82 | 16.96 | 21.70 |
| Low 5 | 2432 | 17.40 | 17.42 | 17.49 | 22.21 |
| Mid 6 | 2437 | 18.46 | 18.39 | 18.46 | 23.21 |
| High 7 | 2442 | 17.77 | 17.89 | 17.94 | 22.64 |
| High 8 | 2447 | 16.41 | 16.37 | 16.47 | 21.19 |
| High 9 | 2452 | 14.85 | 14.81 | 14.91 | 19.63 |
| High 10 | 2457 | 13.40 | 13.44 | 13.48 | 18.21 |
| High 11 | 2462 | 10.93 | 10.77 | 10.95 | 15.66 |
| High 12 | 2467 | 8.96 | 8.75 | 8.99 | 13.67 |
| High 13 | 2472 | -0.07 | -0.02 | -0.04 | 4.73 |

## 4.6. POWER SPECTRAL DENSITY

**LIMITS**

FCC §15.247 (e)

IC RSS-247 (6.2.4)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

**RESULTS**

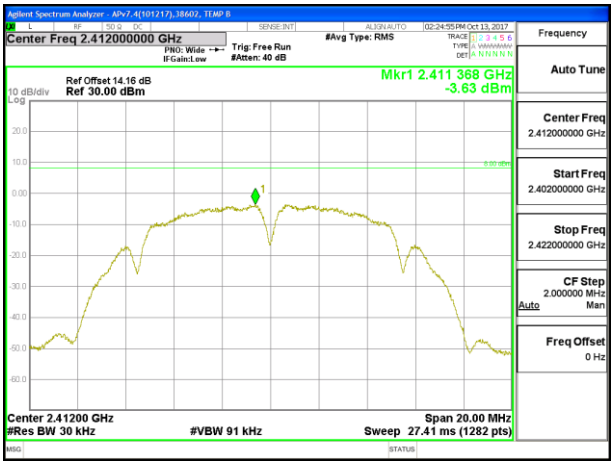
### 4.6.1. 802.11b MODE

**1TX Antenna WF4**

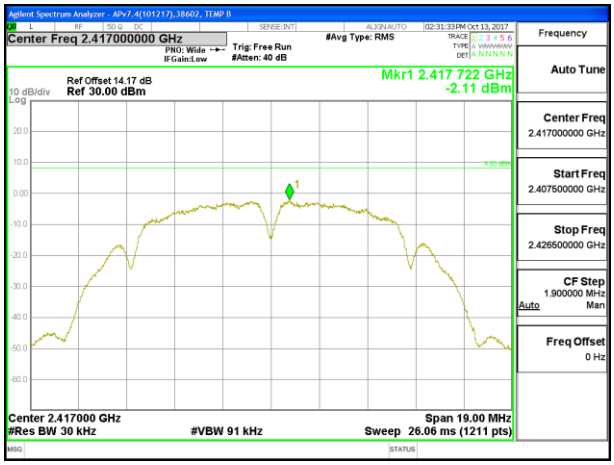
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---|---|---|

**PSD Results**

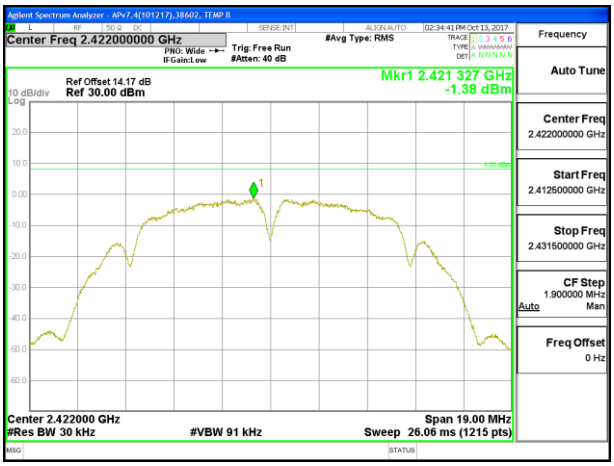
| Channel | Frequency (MHz) | WF4 Meas (dBm) | Total Corr'd PSD (dBm/3KHz) | Limit (dBm/3KHz) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | -3.63 | -3.63 | 8.0 | -11.6 |
| Low 2 | 2417 | -2.11 | -2.11 | 8.0 | -10.1 |
| Low 3 | 2422 | -1.38 | -1.38 | 8.0 | -9.4 |
| Low 4 | 2427 | 0.02 | 0.02 | 8.0 | -8.0 |
| Mid 6 | 2437 | 0.72 | 0.72 | 8.0 | -7.3 |
| High 9 | 2452 | -1.32 | -1.32 | 8.0 | -9.3 |
| High 10 | 2457 | -2.66 | -2.66 | 8.0 | -10.7 |
| High 11 | 2462 | -4.50 | -4.50 | 8.0 | -12.5 |
| High 12 | 2467 | -7.03 | -7.03 | 8.0 | -15.0 |
| High 13 | 2472 | -10.17 | -10.17 | 8.0 | -18.2 |



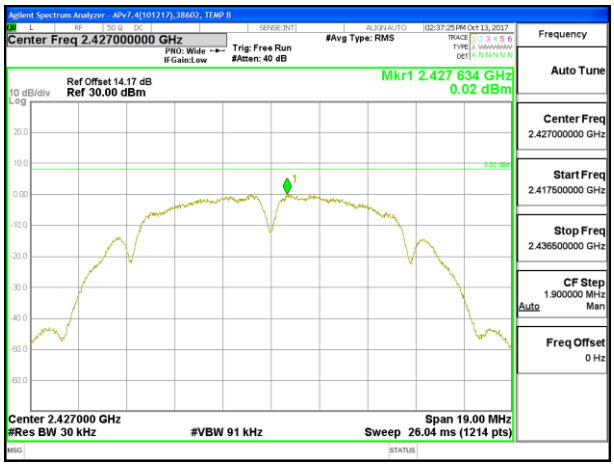

**LOW CHANNEL 1**



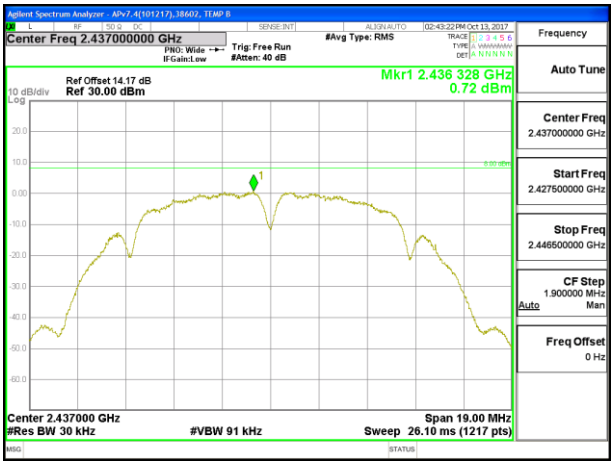

**LOW CHANNEL 2**



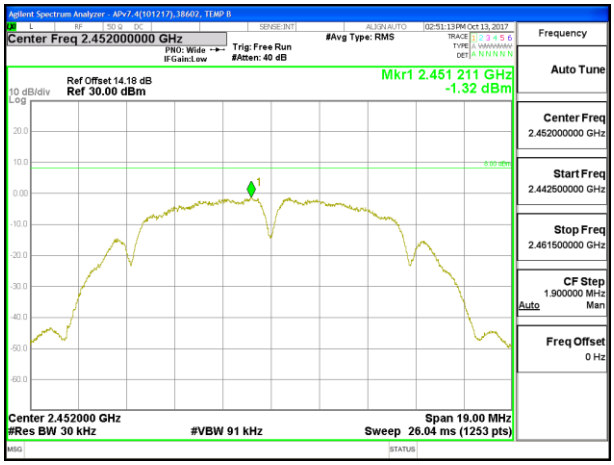

**LOW CHANNEL 3**



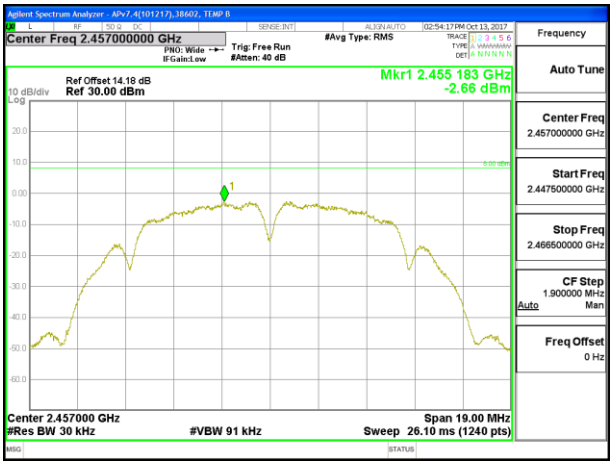

**LOW CHANNEL 4**



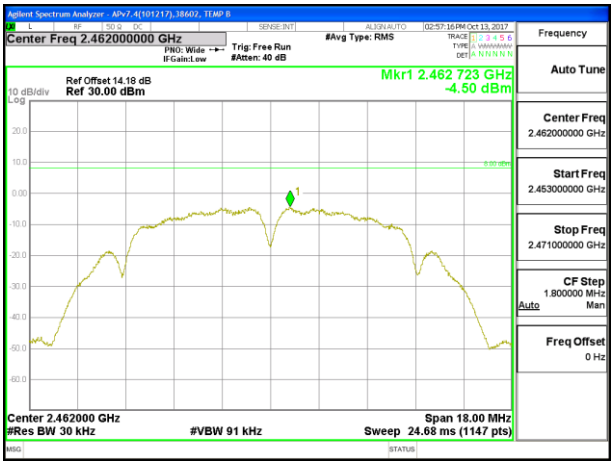

**MID CHANNEL 6**



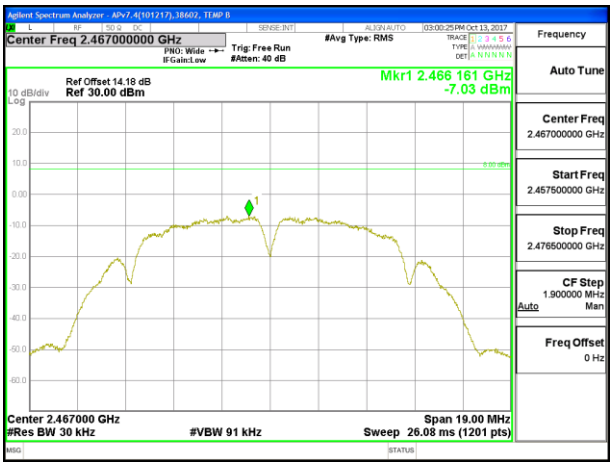

**HIGH CHANNEL 9**



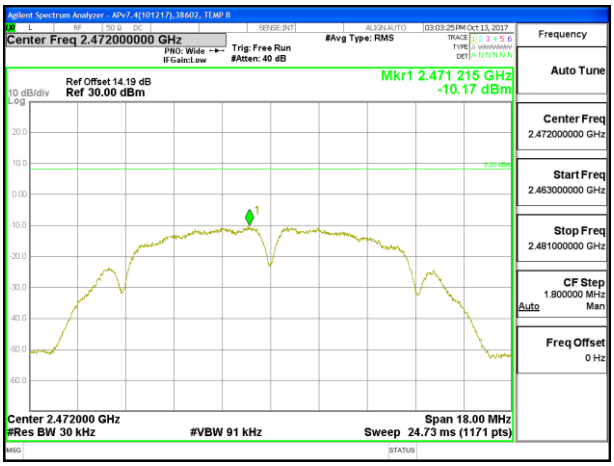

**HIGH CHANNEL 10**




**HIGH CHANNEL 11**




**HIGH CHANNEL 12**



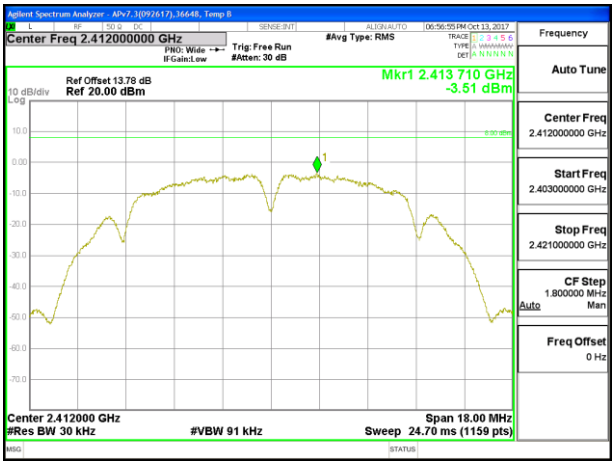

**HIGH CHANNEL 13**

**1TX Antenna WF3**

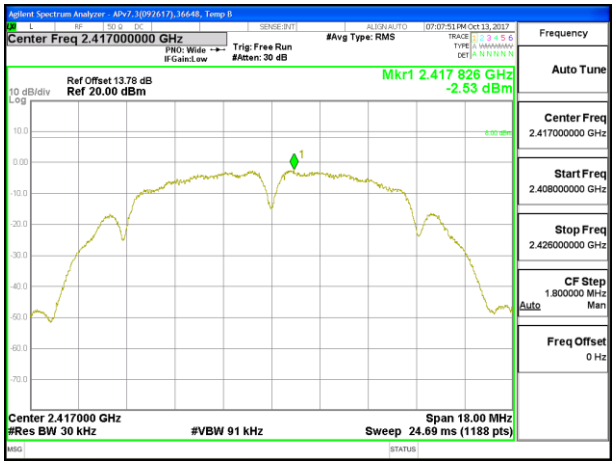
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---|---|---|

**PSD Results**

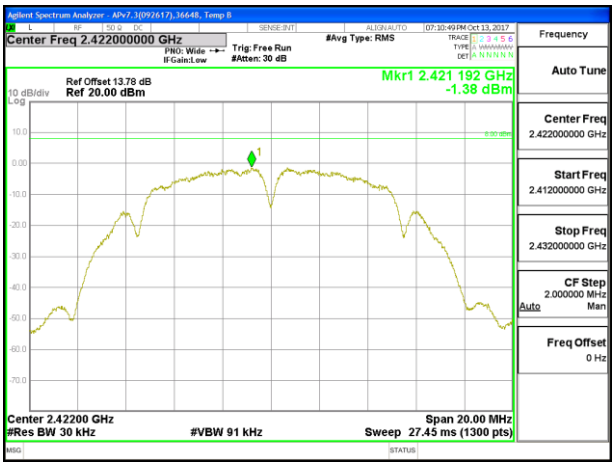
| Channel | Frequency (MHz) | WF3 Meas (dBm) | Total Corr'd PSD (dBm/3KHz) | Limit (dBm/3KHz) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | -3.51 | -3.51 | 8.0 | -11.5 |
| Low 2 | 2417 | -2.53 | -2.53 | 8.0 | -10.5 |
| Low 3 | 2422 | -1.38 | -1.38 | 8.0 | -9.4 |
| Low 4 | 2427 | -0.23 | -0.23 | 8.0 | -8.2 |
| Mid 6 | 2437 | 0.60 | 0.60 | 8.0 | -7.4 |
| High 9 | 2452 | -1.31 | -1.31 | 8.0 | -9.3 |
| High 10 | 2457 | -1.89 | -1.89 | 8.0 | -9.9 |
| High 11 | 2462 | -4.31 | -4.31 | 8.0 | -12.3 |
| High 12 | 2467 | -6.93 | -6.93 | 8.0 | -14.9 |
| High 13 | 2472 | -10.21 | -10.21 | 8.0 | -18.2 |



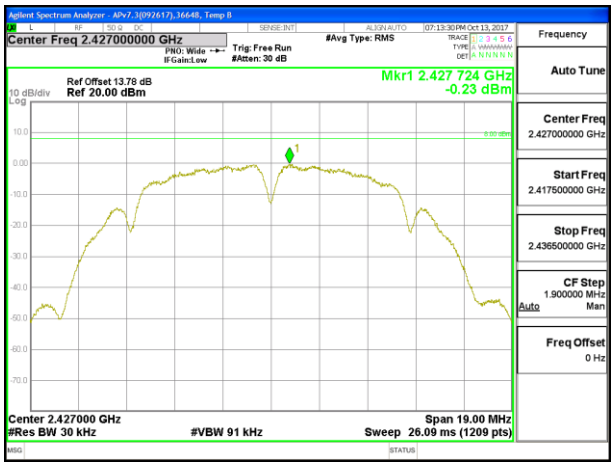

**LOW CHANNEL 1**



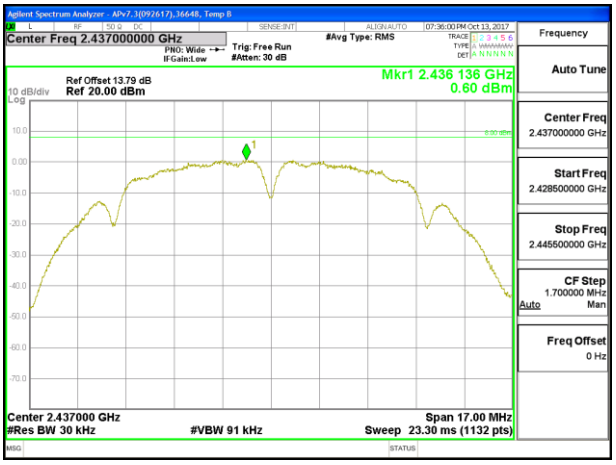

**LOW CHANNEL 2**



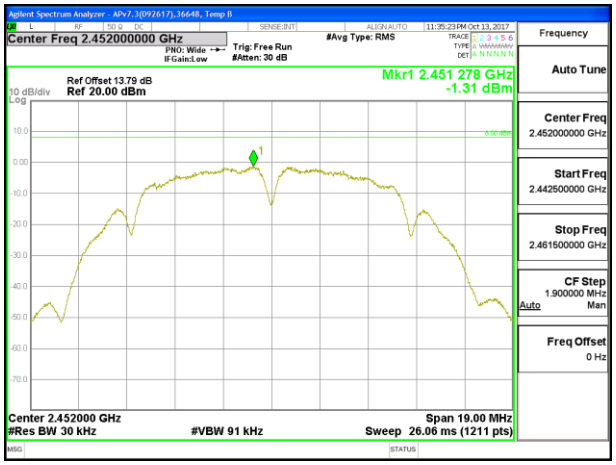

**LOW CHANNEL 3**



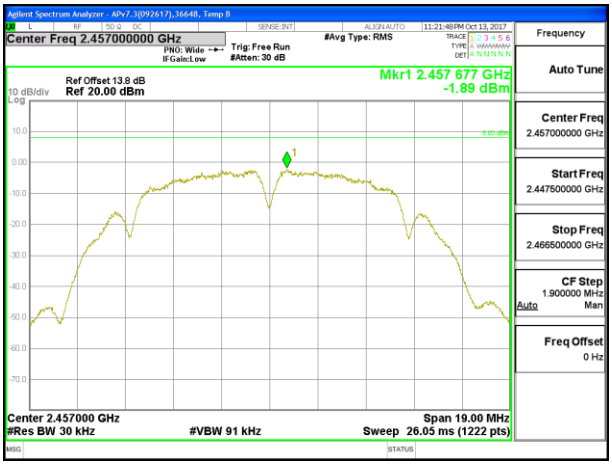

**LOW CHANNEL 4**



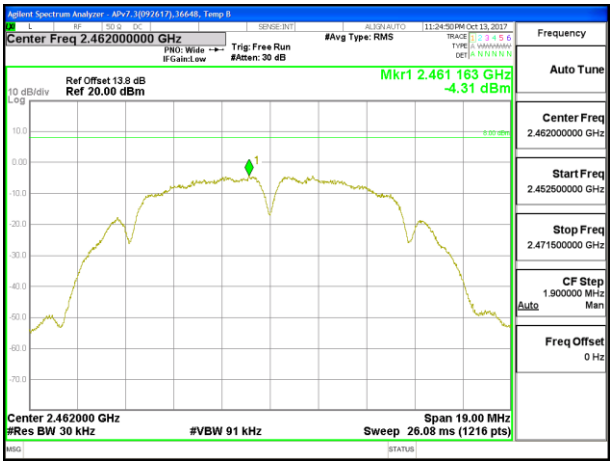

**MID CHANNEL 6**



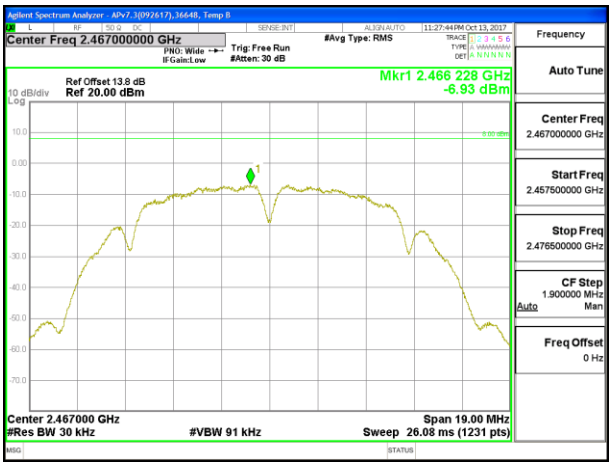

**HIGH CHANNEL 9**



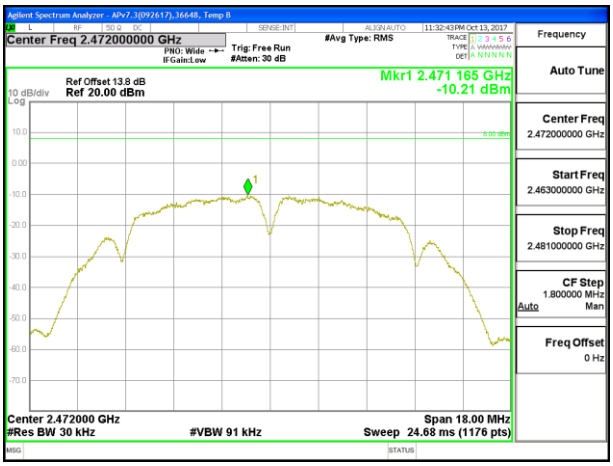

**HIGH CHANNEL 10**




**HIGH CHANNEL 11**




**HIGH CHANNEL 12**



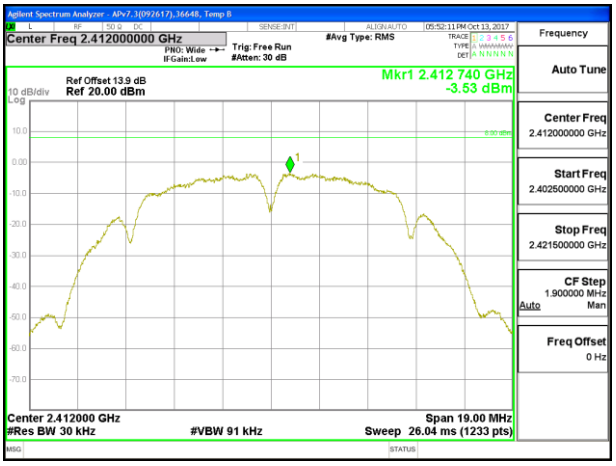

**HIGH CHANNEL 13**

**1TX Antenna WF2**

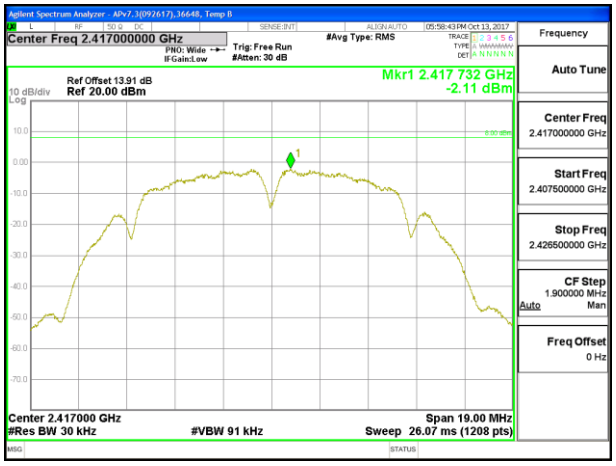
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---|---|---|

**PSD Results**

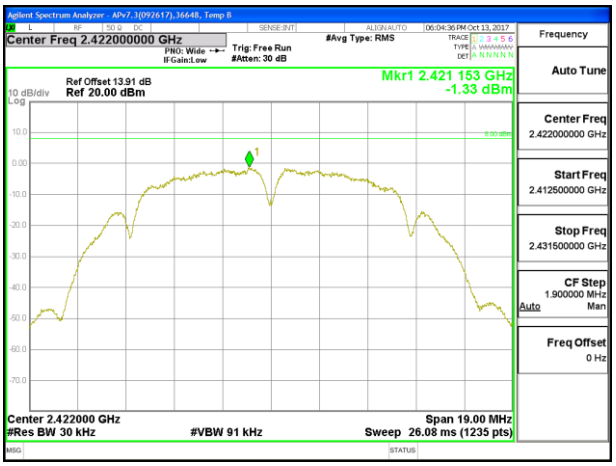
| Channel | Frequency (MHz) | WF2 Meas (dBm) | Total Corr'd PSD (dBm/3KHz) | Limit (dBm/3KHz) | Margin (dB) |
|---|---|---|---|---|---|
| Low 1 | 2412 | -3.53 | -3.53 | 8.0 | -11.5 |
| Low 2 | 2417 | -2.11 | -2.11 | 8.0 | -10.1 |
| Low 3 | 2422 | -1.33 | -1.33 | 8.0 | -9.3 |
| Low 4 | 2427 | -0.56 | -0.56 | 8.0 | -8.6 |
| Mid 6 | 2437 | 0.80 | 0.80 | 8.0 | -7.2 |
| High 9 | 2452 | -1.25 | -1.25 | 8.0 | -9.3 |
| High 10 | 2457 | -2.45 | -2.45 | 8.0 | -10.5 |
| High 11 | 2462 | -4.46 | -4.46 | 8.0 | -12.5 |
| High 12 | 2467 | -6.71 | -6.71 | 8.0 | -14.7 |
| High 13 | 2472 | -10.43 | -10.43 | 8.0 | -18.4 |



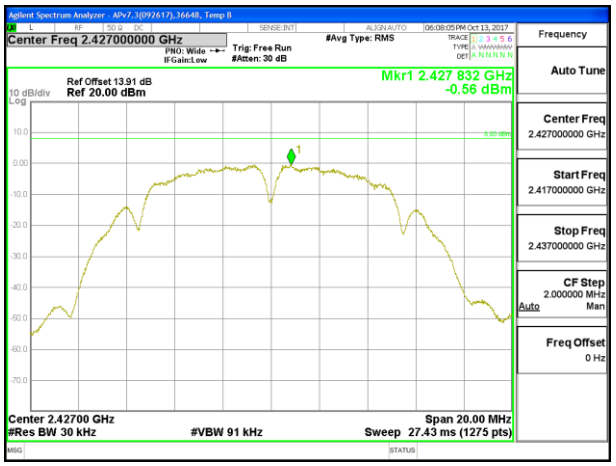

**LOW CHANNEL 1**



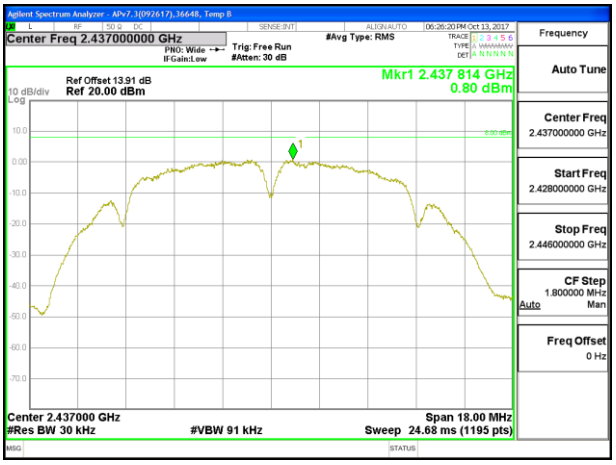

**LOW CHANNEL 2**



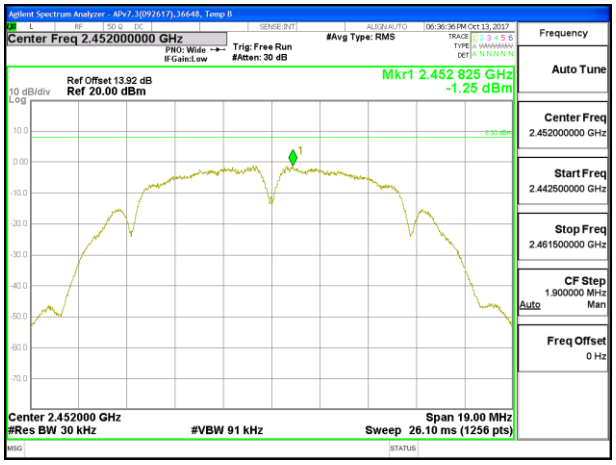

**LOW CHANNEL 3**




**LOW CHANNEL 4**




**MID CHANNEL 6**




**HIGH CHANNEL 9**