

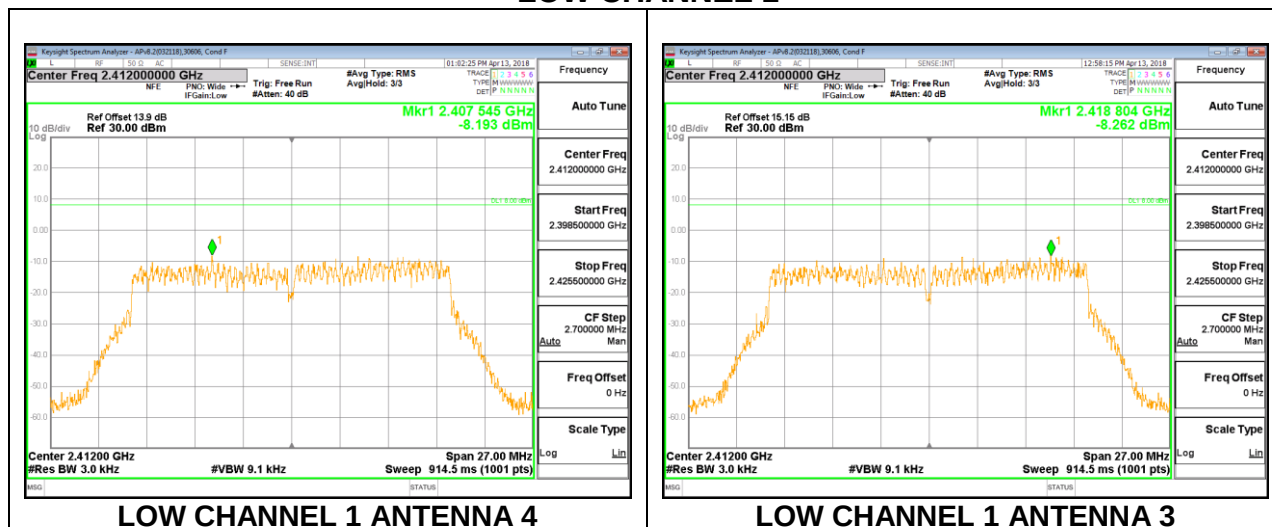
### 8.5.3. 2TX Antenna 4 + Antenna 3 CDD MODE

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

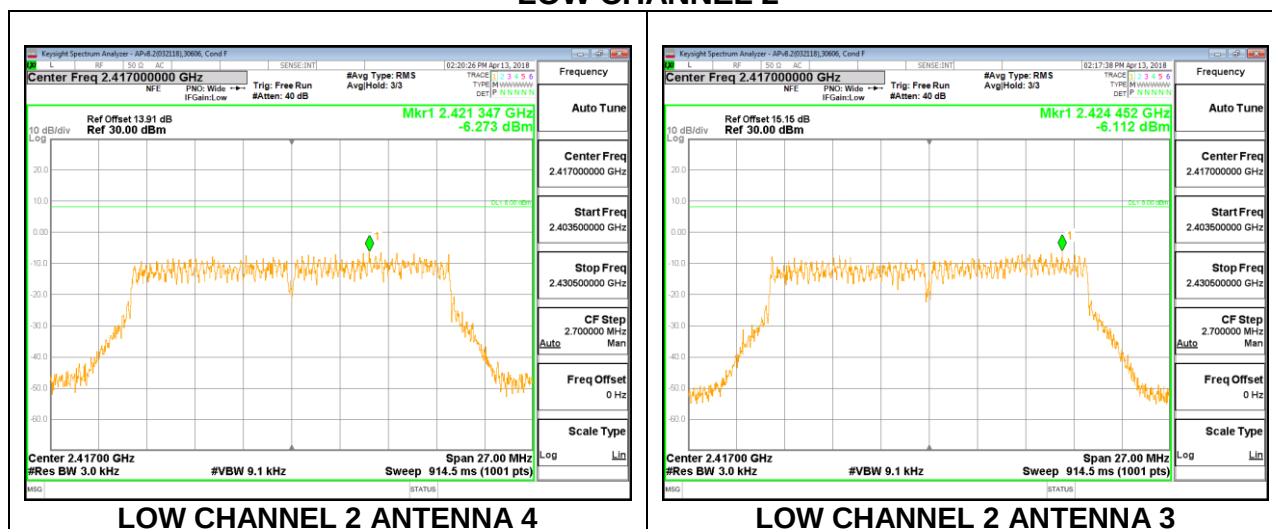
#### PSD Results

| Channel | Frequency<br>(MHz) | ANT 4<br>Meas<br>(dBm/<br>3kHz) | ANT 3<br>Meas<br>(dBm/<br>3kHz) | Total<br>Corr'd<br>PSD<br>(dBm/<br>3kHz) | Limit<br>(dBm/<br>3kHz) | Margin<br>(dB) |
|---------|--------------------|---------------------------------|---------------------------------|------------------------------------------|-------------------------|----------------|
| Low 1   | 2412               | -8.19                           | -8.26                           | -5.21                                    | 8.0                     | -13.2          |
| Low 2   | 2417               | -6.27                           | -6.11                           | -3.18                                    | 8.0                     | -11.2          |
| Low 3   | 2422               | -4.68                           | -4.79                           | -1.72                                    | 8.0                     | -9.7           |
| Low 4   | 2427               | -4.19                           | -4.15                           | -1.16                                    | 8.0                     | -9.2           |
| Mid 6   | 2437               | -4.10                           | -4.19                           | -1.13                                    | 8.0                     | -9.1           |
| High 8  | 2447               | -4.21                           | -4.10                           | -1.14                                    | 8.0                     | -9.1           |
| High 9  | 2452               | -4.63                           | -4.71                           | -1.66                                    | 8.0                     | -9.7           |
| High 10 | 2457               | -6.31                           | -6.27                           | -3.28                                    | 8.0                     | -11.3          |
| High 11 | 2462               | -8.25                           | -8.23                           | -5.23                                    | 8.0                     | -13.2          |
| High 12 | 2467               | -10.13                          | -10.22                          | -7.16                                    | 8.0                     | -15.2          |
| High 13 | 2472               | -17.57                          | -17.51                          | -14.53                                   | 8.0                     | -22.5          |

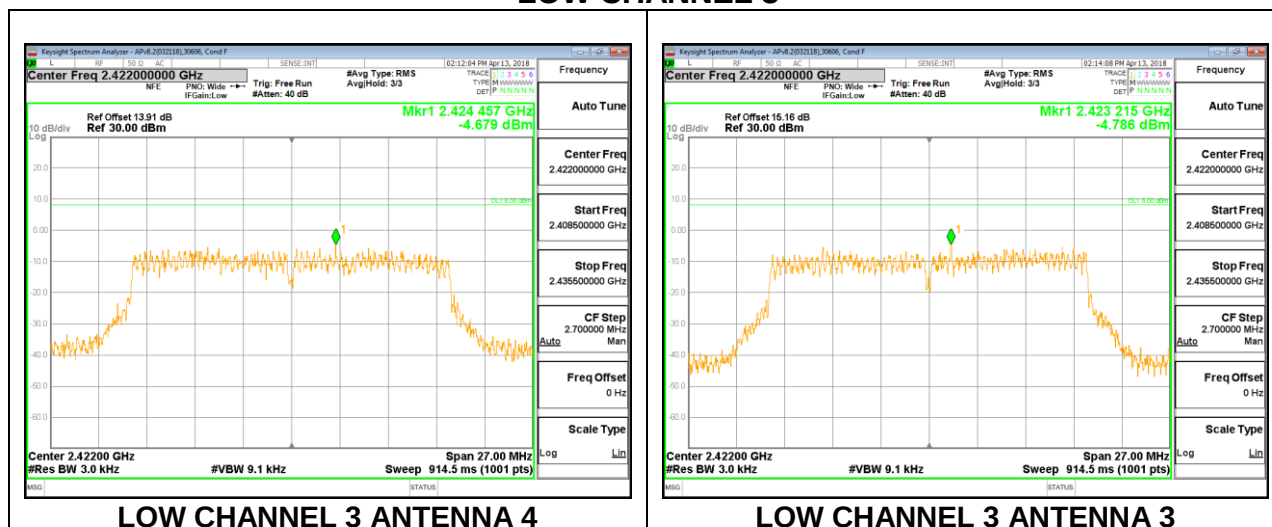
## LOW CHANNEL 1



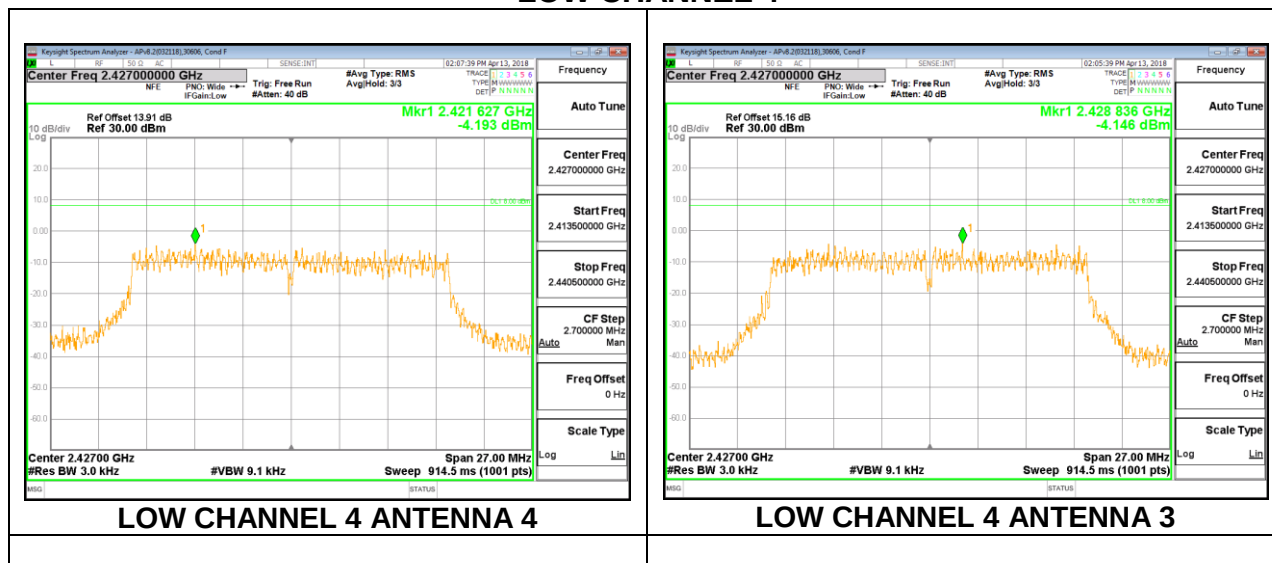
## LOW CHANNEL 2



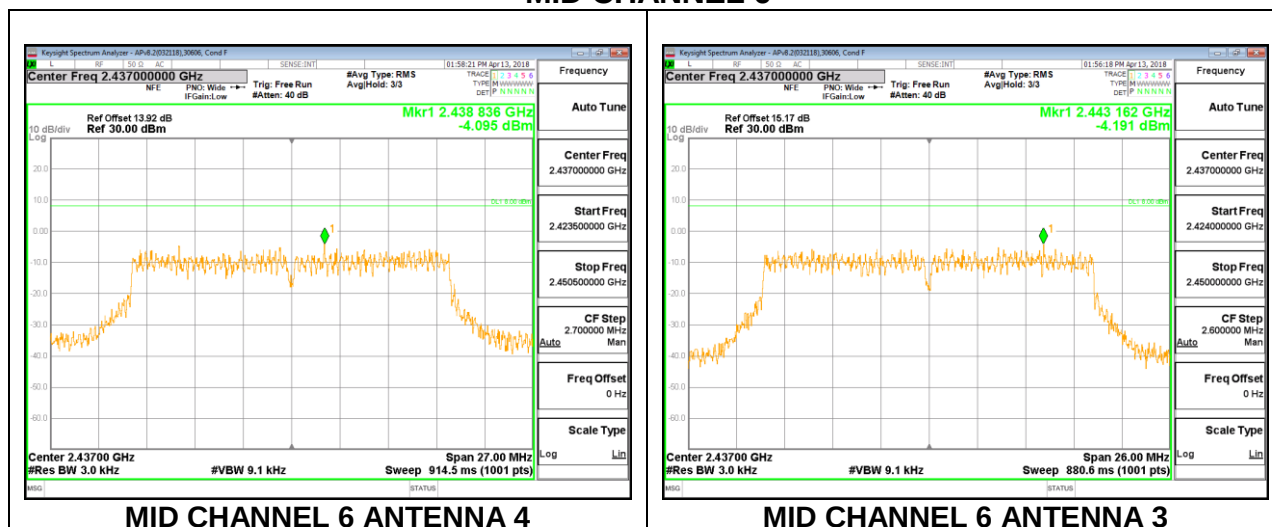
## LOW CHANNEL 3



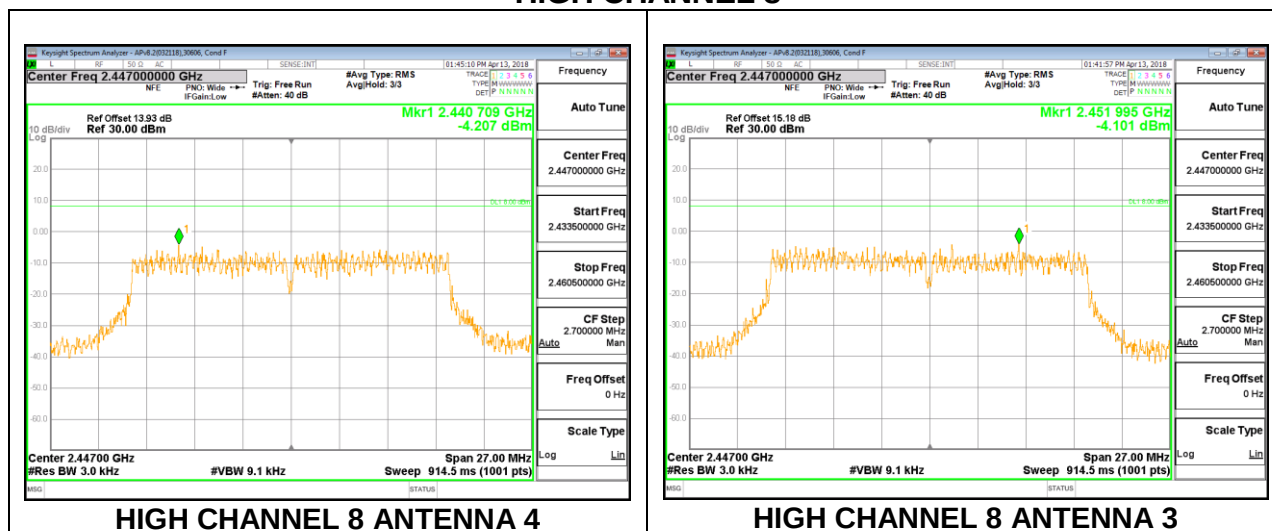
## LOW CHANNEL 4



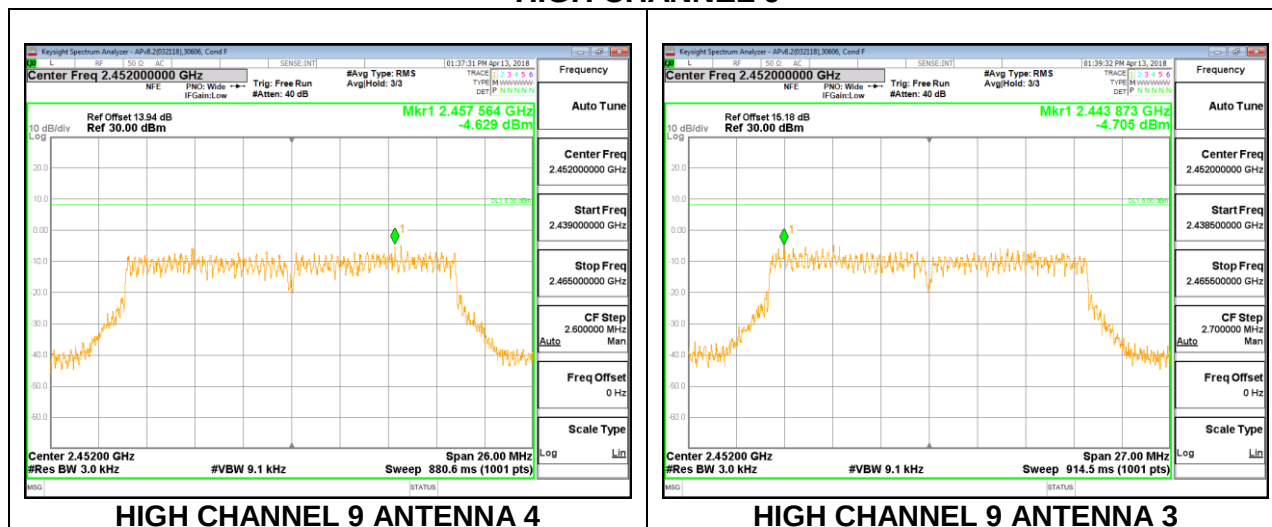
## MID CHANNEL 6



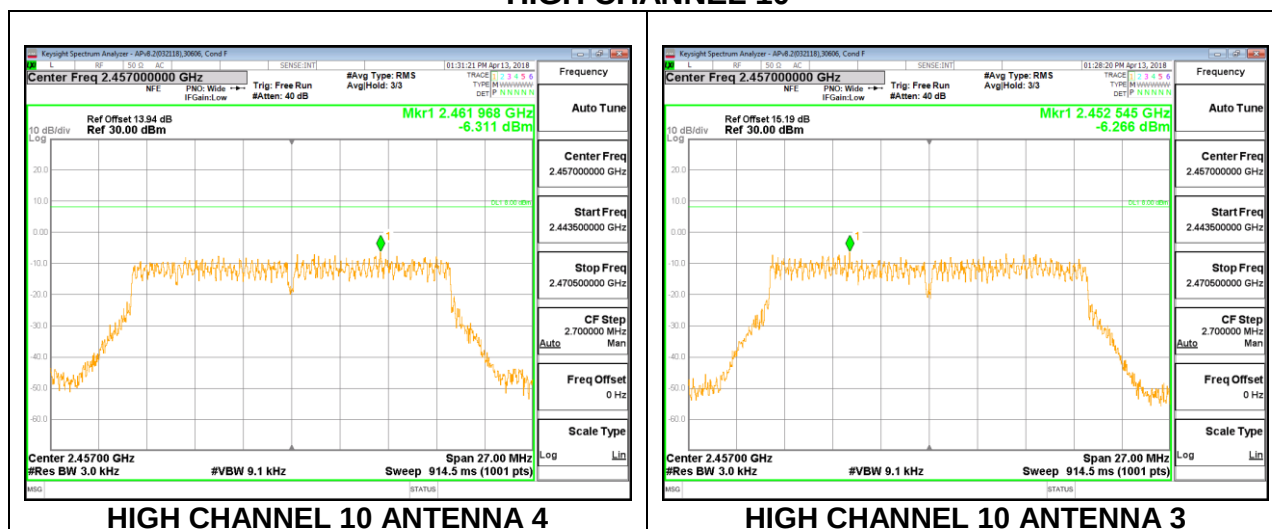
## HIGH CHANNEL 8



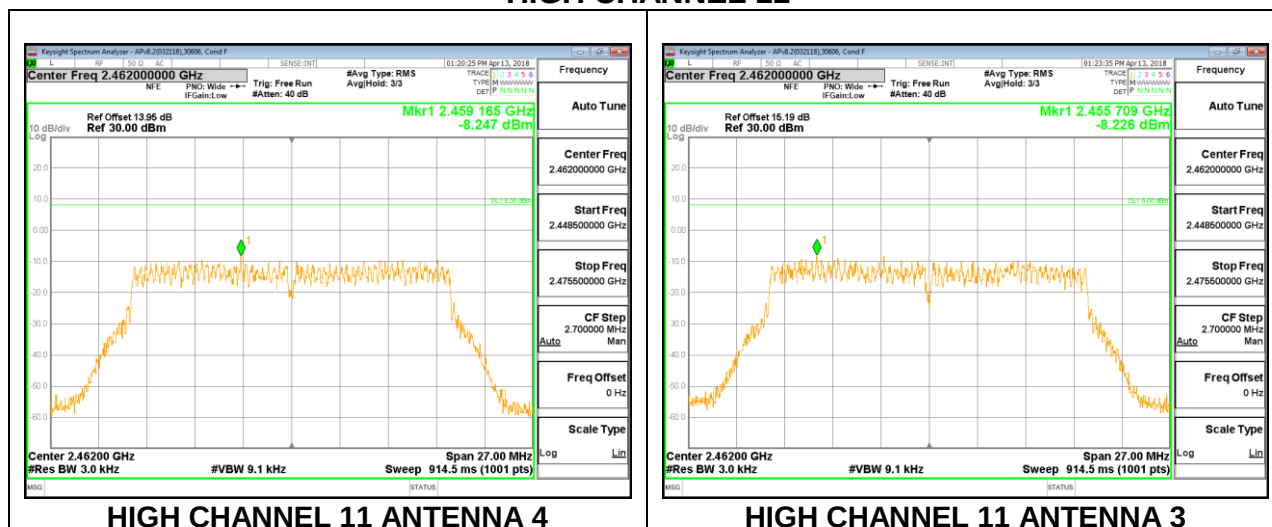
## HIGH CHANNEL 9



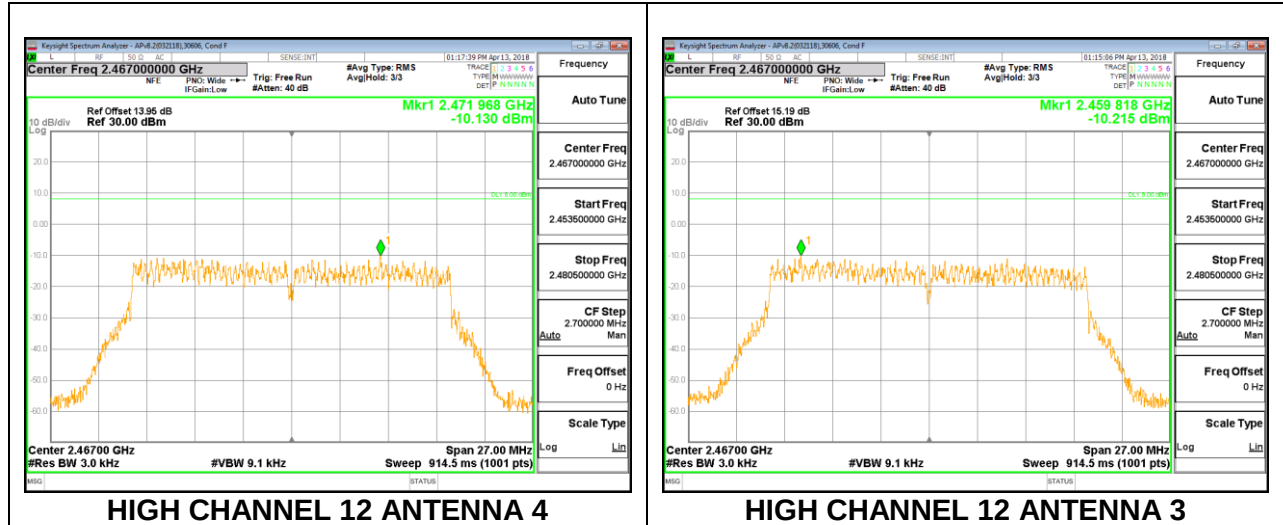
## HIGH CHANNEL 10



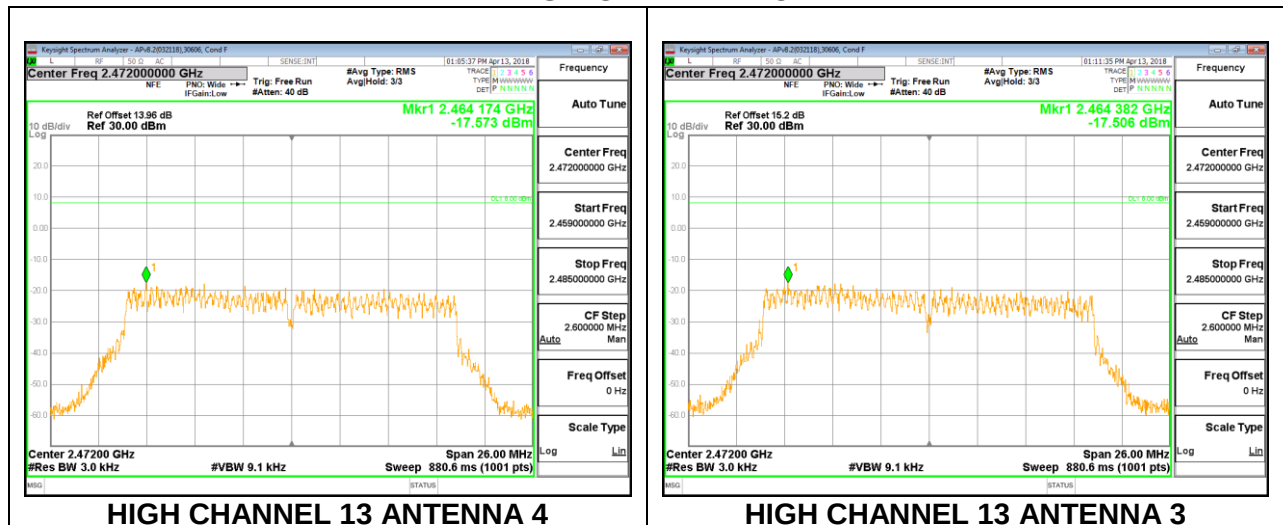
## HIGH CHANNEL 11



## HIGH CHANNEL 12



## HIGH CHANNEL 13



## **8.6. CONDUCTED SPURIOUS EMISSIONS**

### **LIMITS**

FCC §15.247 (d)

RSS-247 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

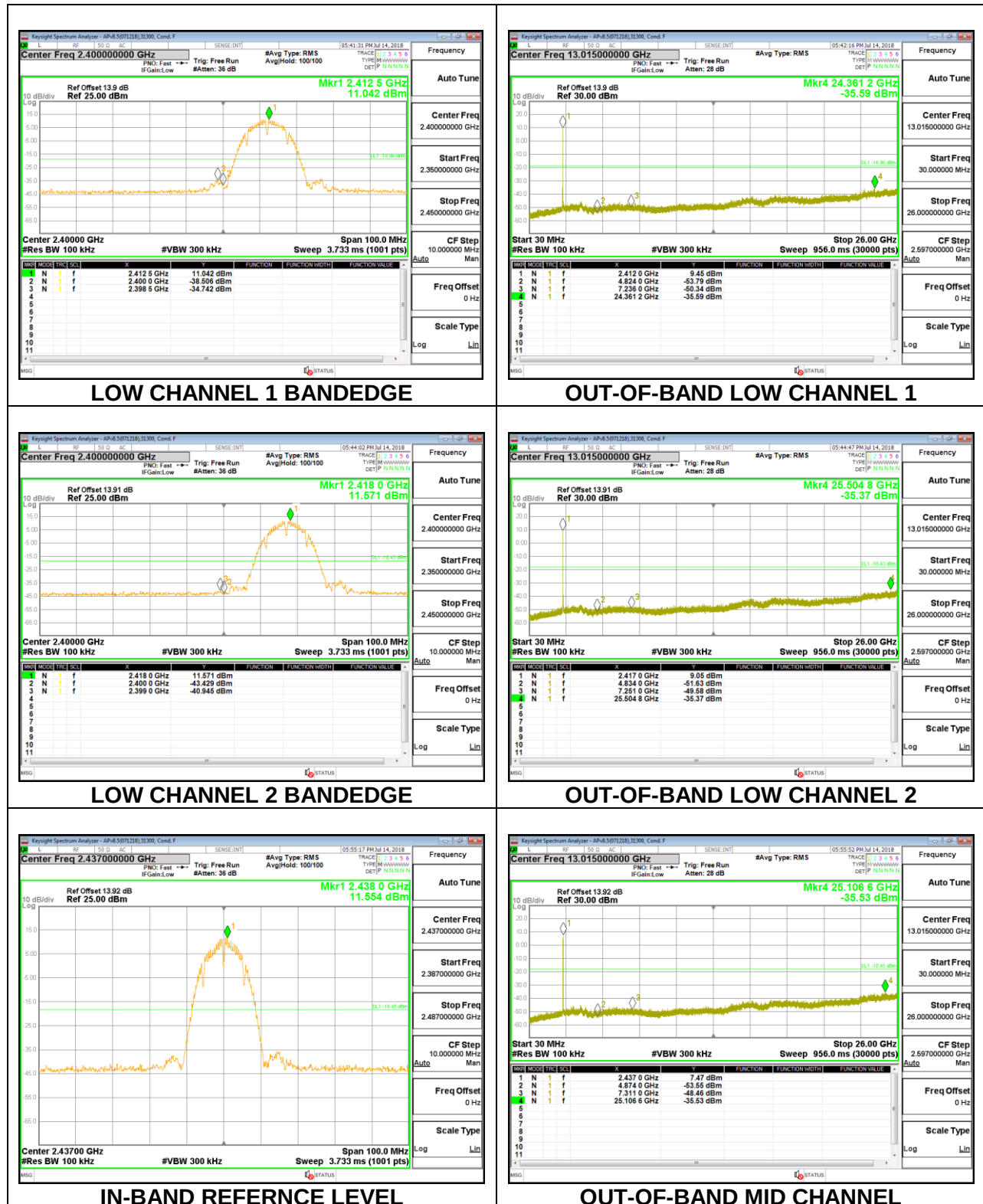
### **TEST PROCEDURE**

The transmitter output is connected to a spectrum analyzer with RBW = 100 kHz, VBW = 300 kHz, peak detector, and max hold. Measurements utilizing these settings are made of the in-band reference level, bandedge (where measurements to the general radiated limits will not be made) and out-of-band emissions

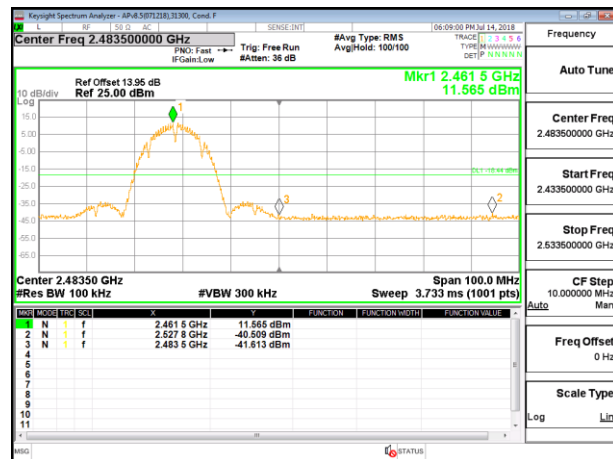
### **RESULTS**

## 8.6.1. 802.11b MODE

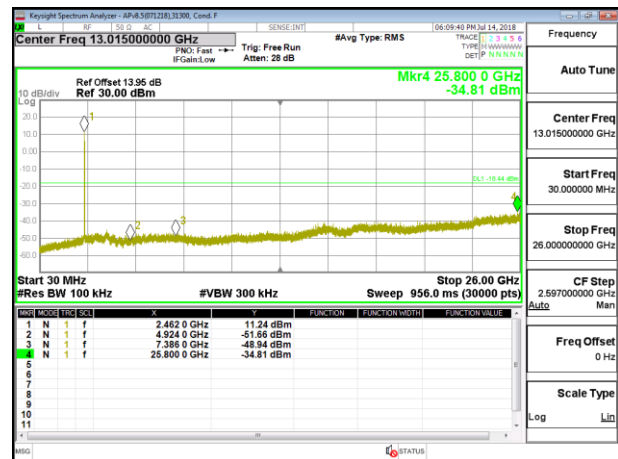
### 1TX Antenna 4 MODE



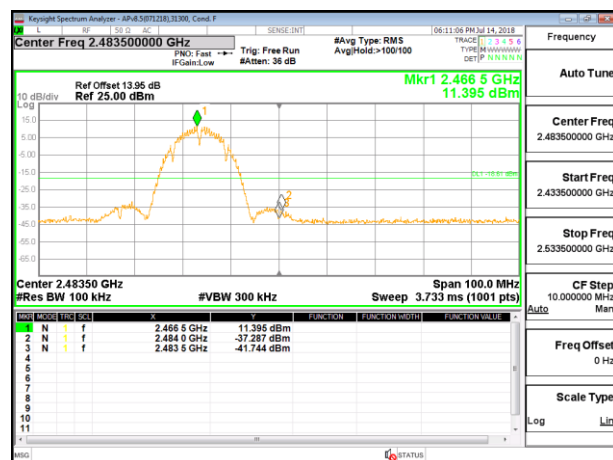




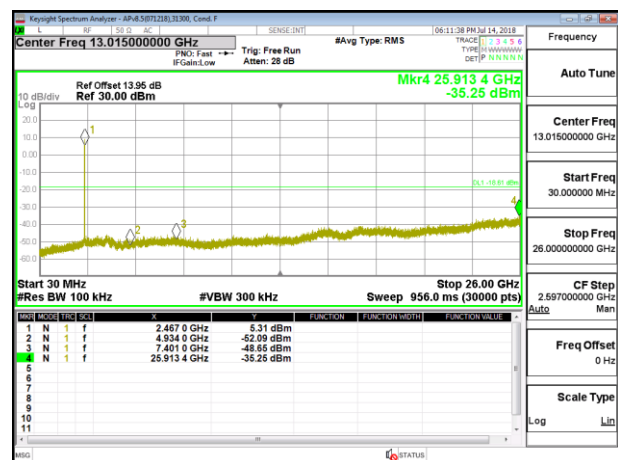
**HIGH CHANNEL 11 BANDEDGE**



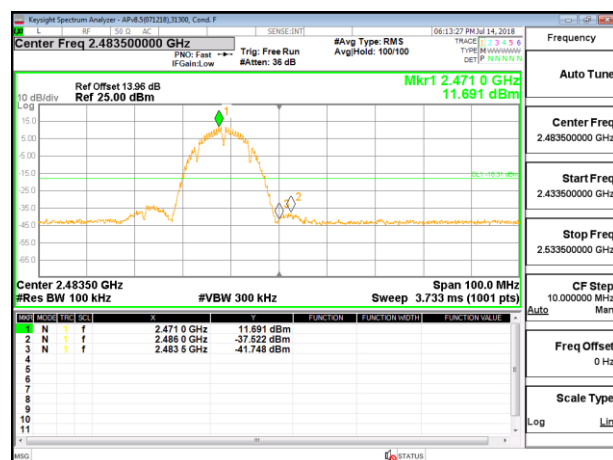
**OUT-OF-BAND HIGH CHANNEL 11**



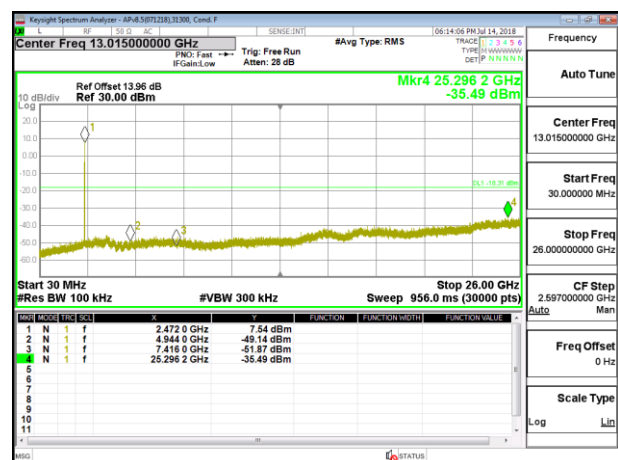
**HIGH CHANNEL 12 BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL 12**



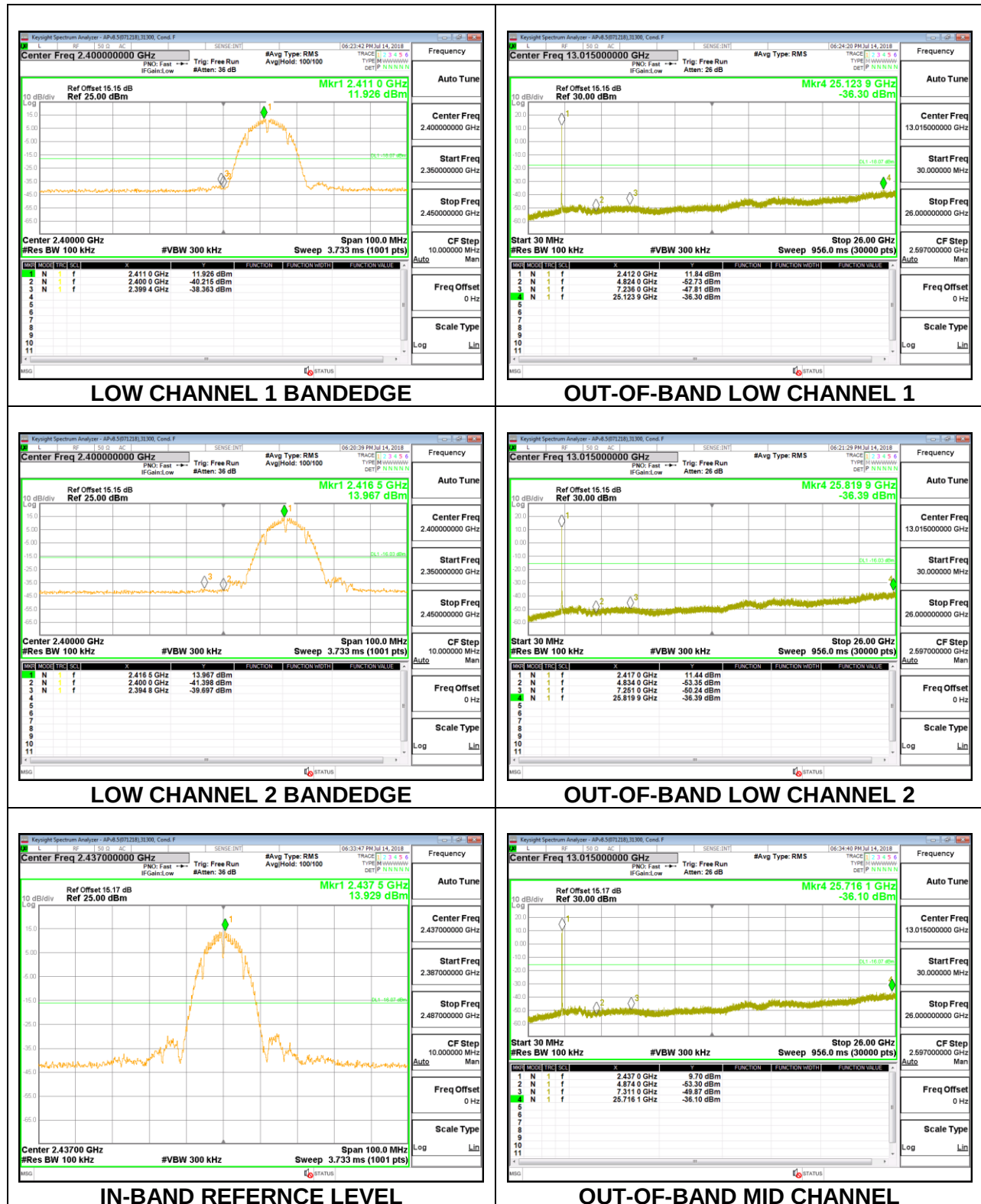
**HIGH CHANNEL 13 BANDEDGE**

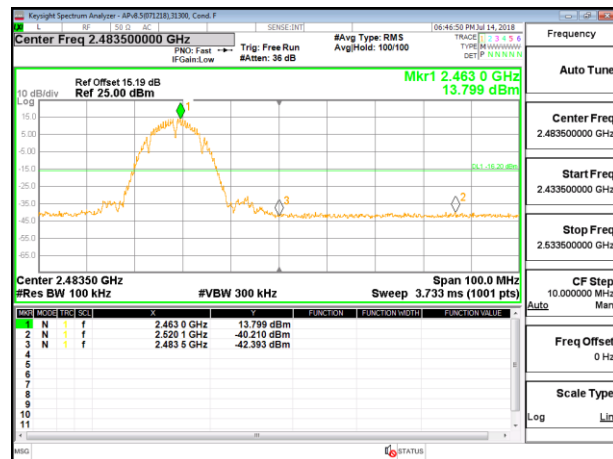


**OUT-OF-BAND HIGH CHANNEL 13**

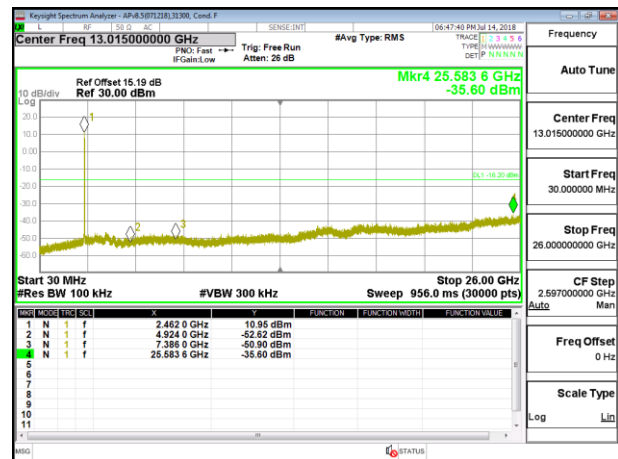


**1TX Antenna 3 MODE**

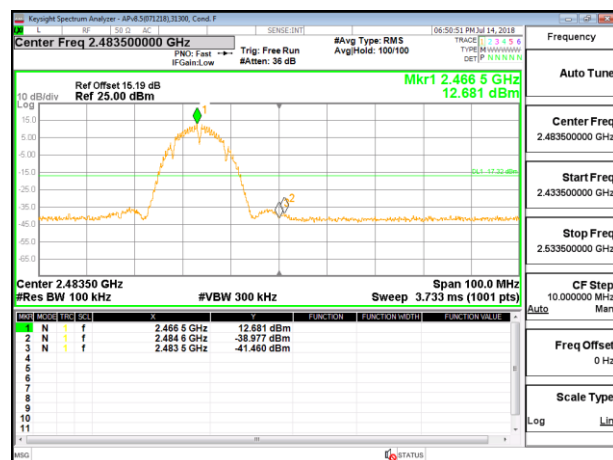




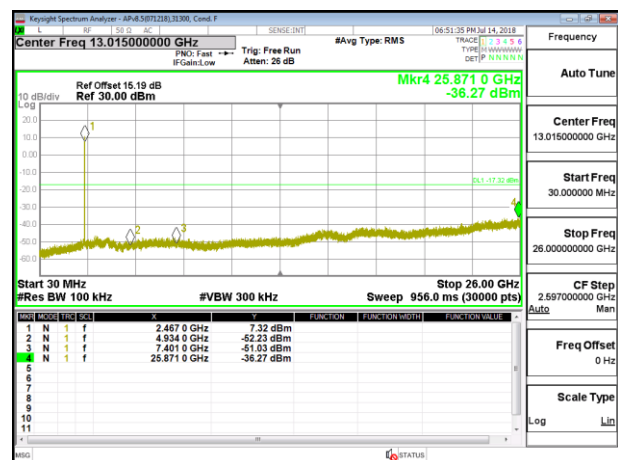
**HIGH CHANNEL 11 BANDEDGE**



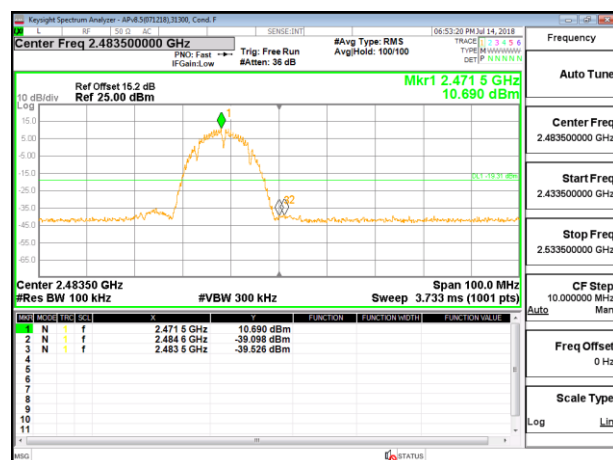
**OUT-OF-BAND HIGH CHANNEL 11**



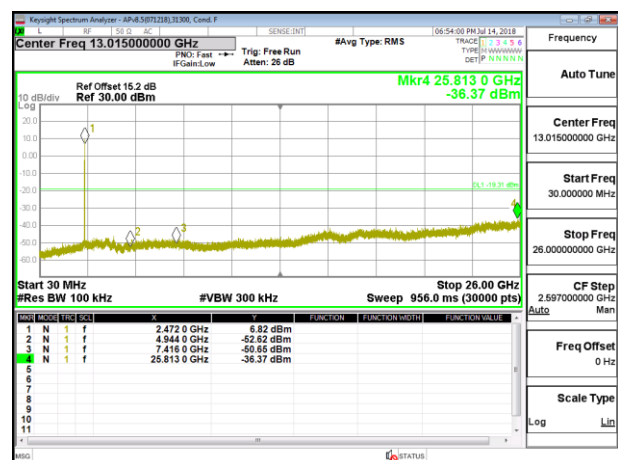
**HIGH CHANNEL 12 BANDEDGE**



**OUT-OF-BAND HIGH CHANNEL 12**



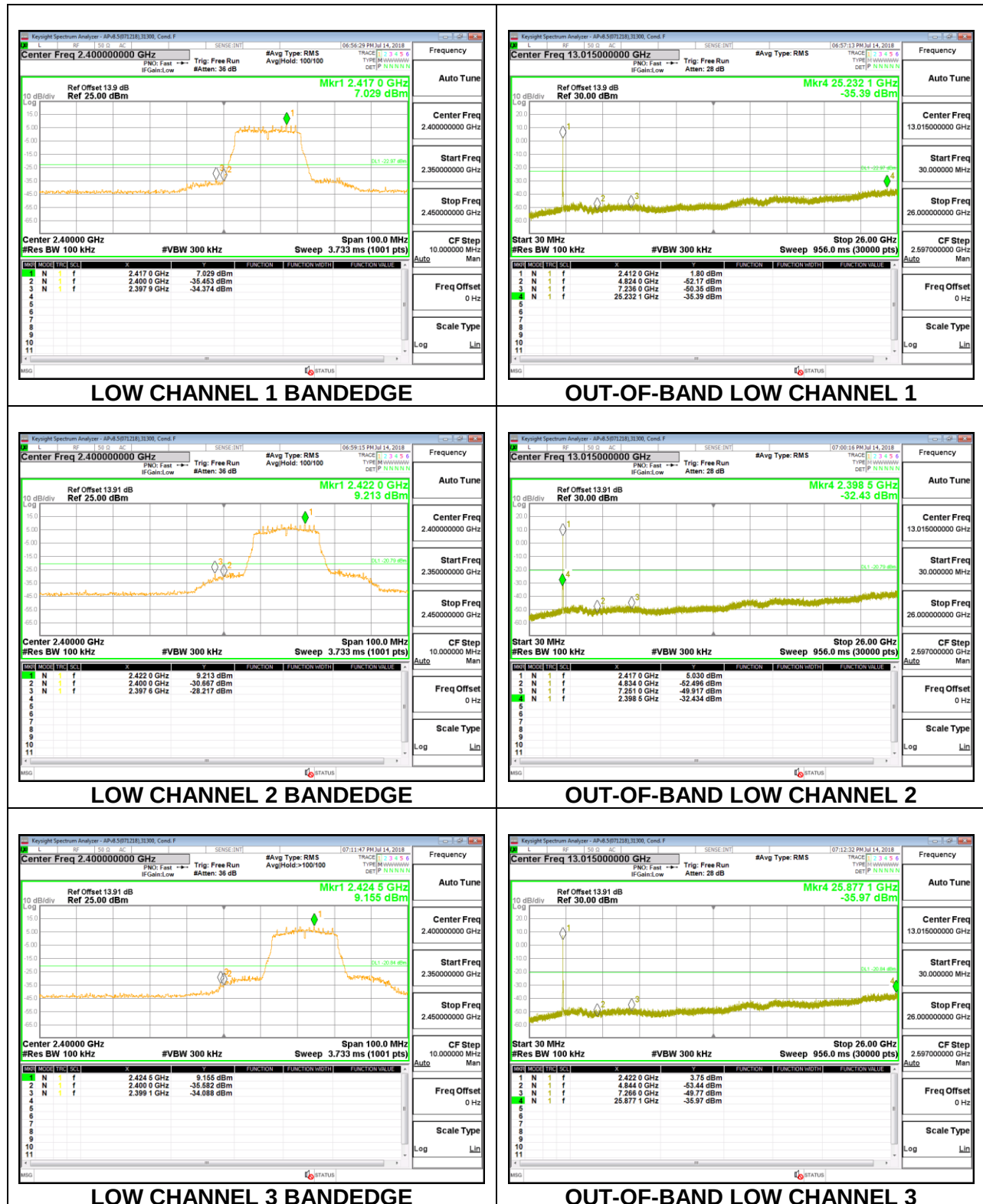
**HIGH CHANNEL 13 BANDEDGE**

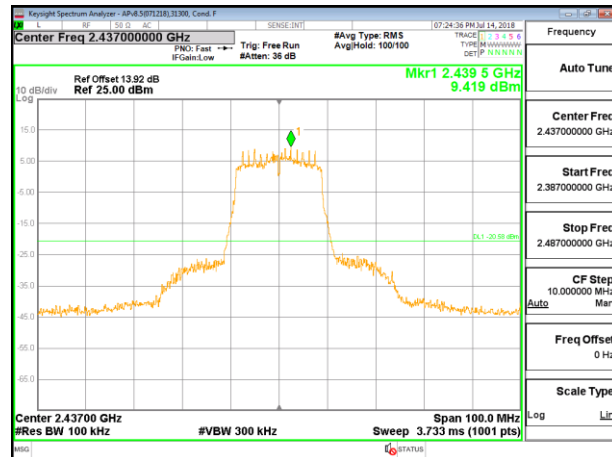


**OUT-OF-BAND HIGH CHANNEL 13**

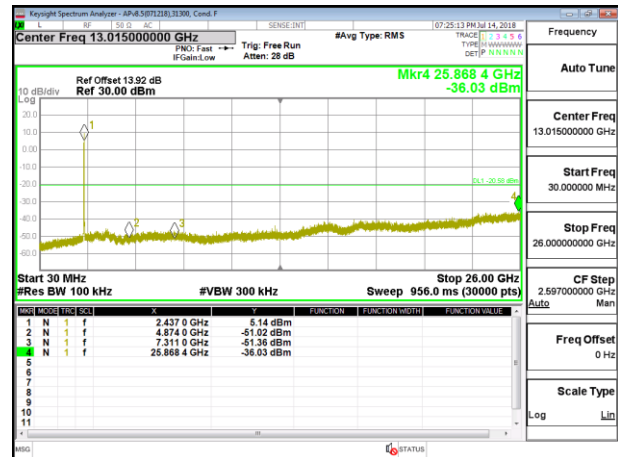
## 8.6.2. 802.11n HT20 MODE

### 1TX Antenna 4 MODE

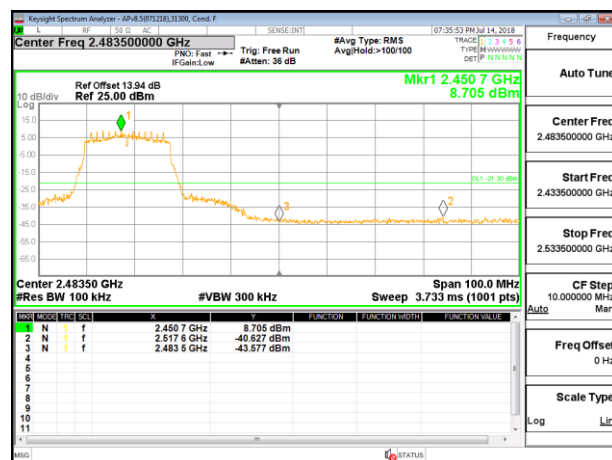




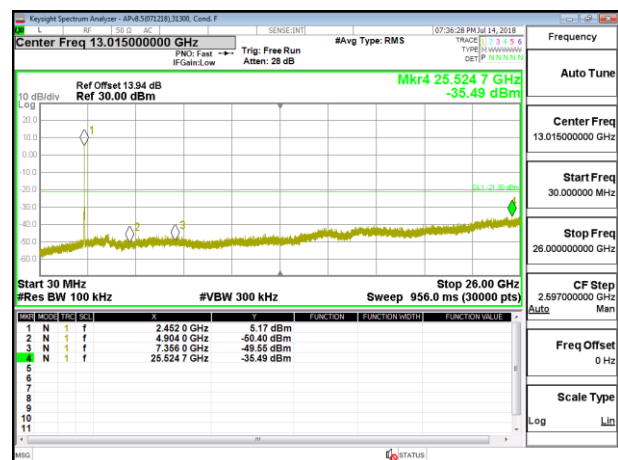
IN-BAND REFERENCE LEVEL



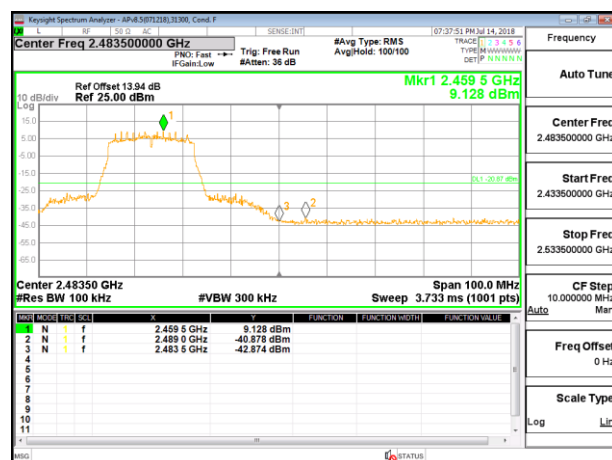
OUT-OF-BAND MID CHANNEL



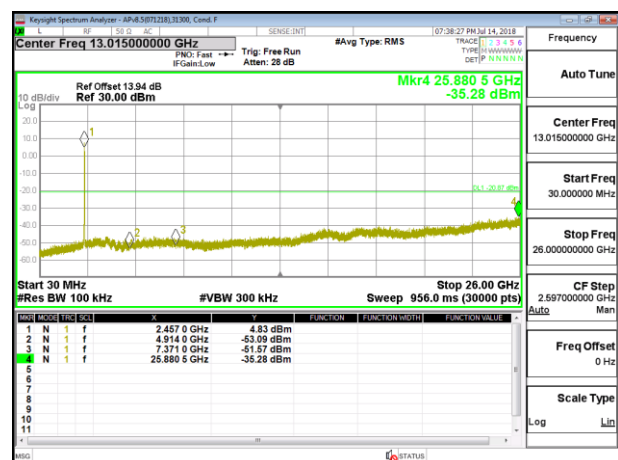
HIGH CHANNEL 9 BANDEDGE



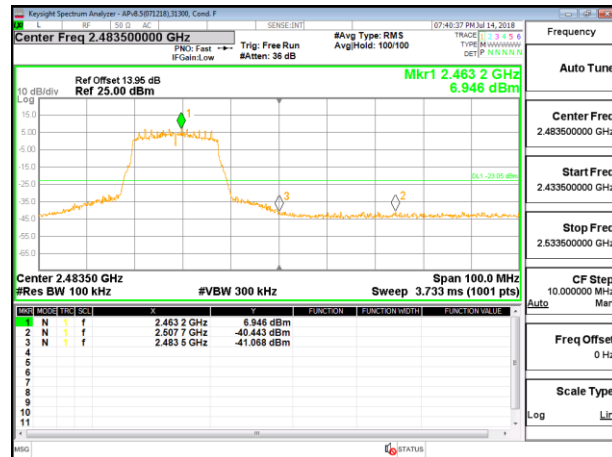
OUT-OF-BAND HIGH CHANNEL 9



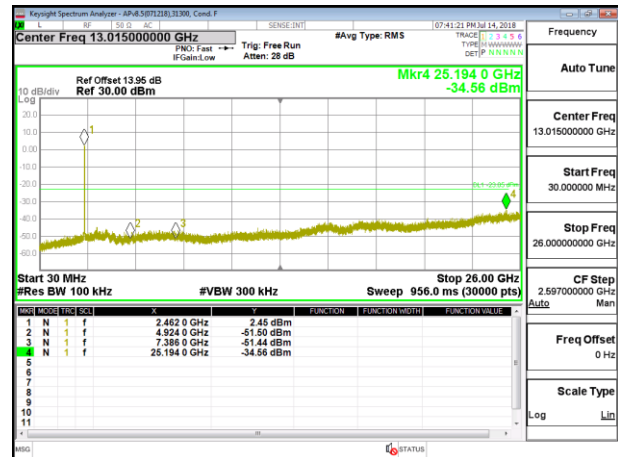
HIGH CHANNEL 10 BANDEDGE



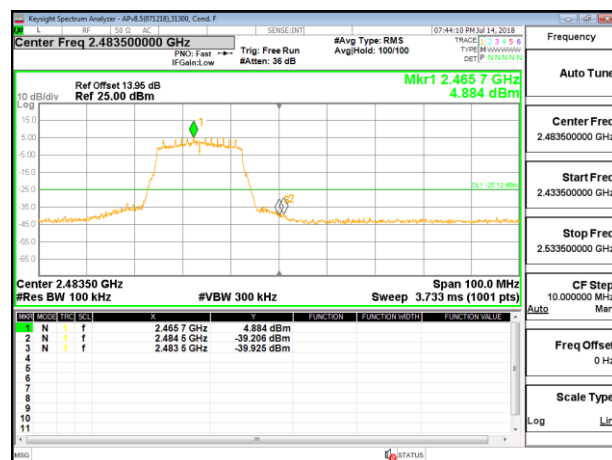
OUT-OF-BAND HIGH CHANNEL 10



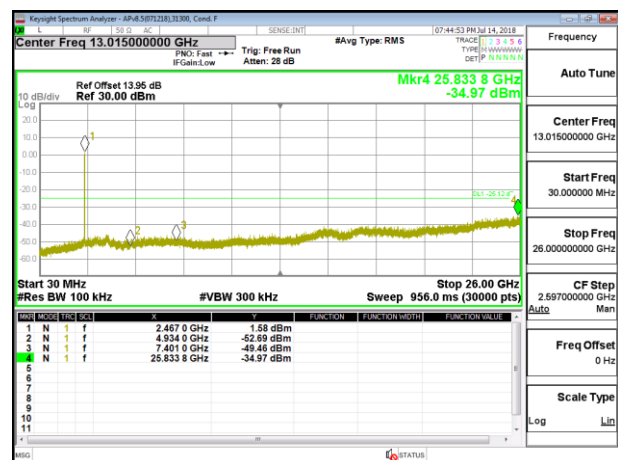
HIGH CHANNEL 11 BANDEDGE



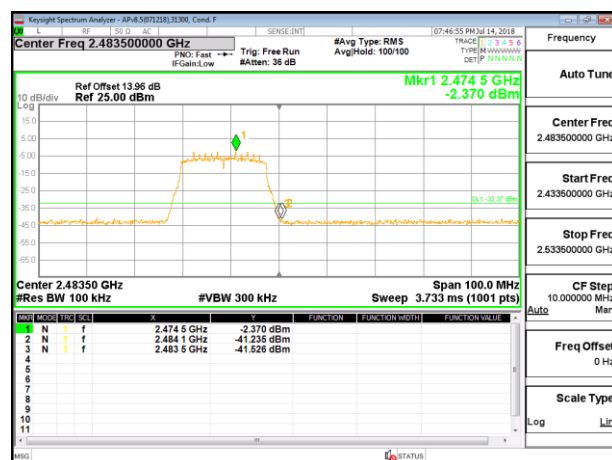
OUT-OF-BAND HIGH CHANNEL 11



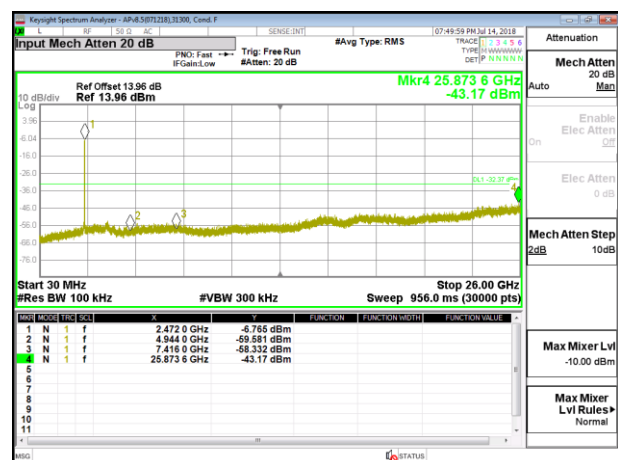
HIGH CHANNEL 12 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 12



HIGH CHANNEL 13 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 13