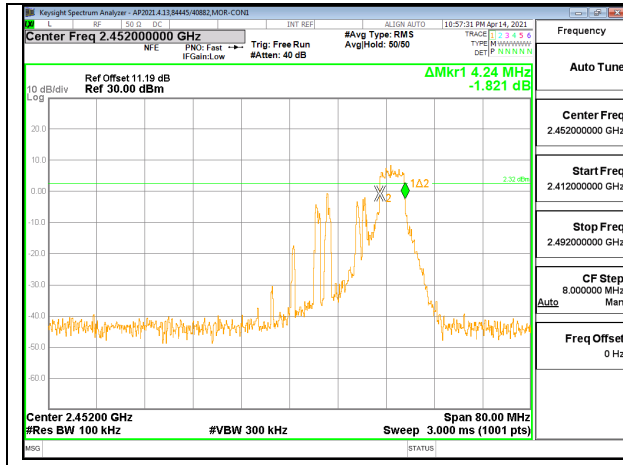


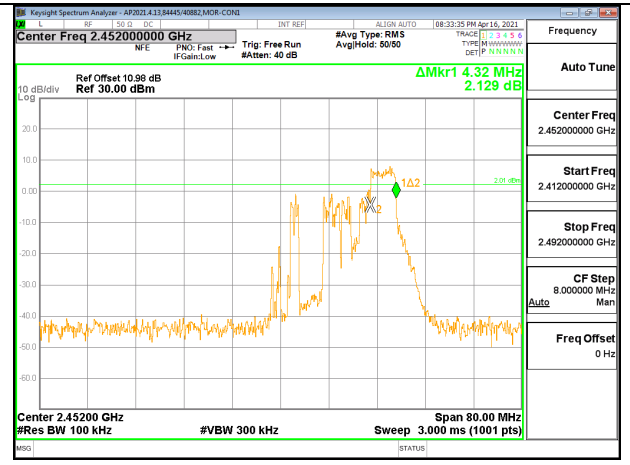
**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 44**

Channel	Frequency (MHz)	6 dB BW ANT A (MHz)	6 dB BW ANT B (MHz)	Minimum Limit (MHz)
High 9	2452	4.24	4.32	0.5
High 10	2457	4.24	4.32	0.5
High 11	2462	4.24	4.24	0.5

**HIGH CHANNEL 9**

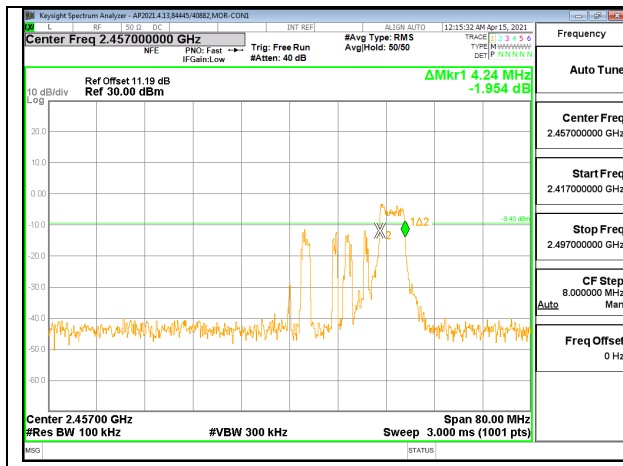


**HIGH CHANNEL 9 Antenna A**

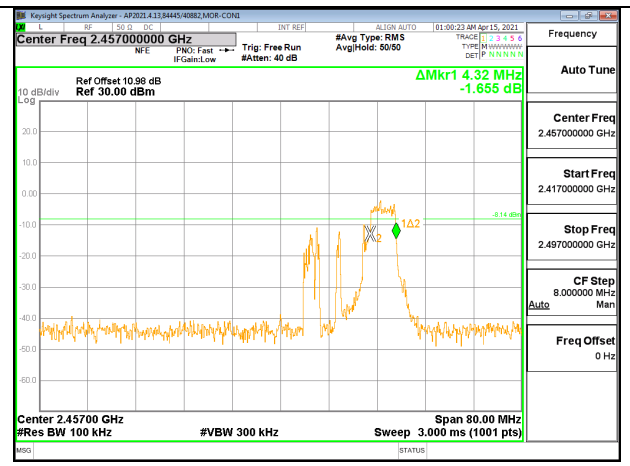


**HIGH CHANNEL 9 Antenna B**

**HIGH CHANNEL 10**

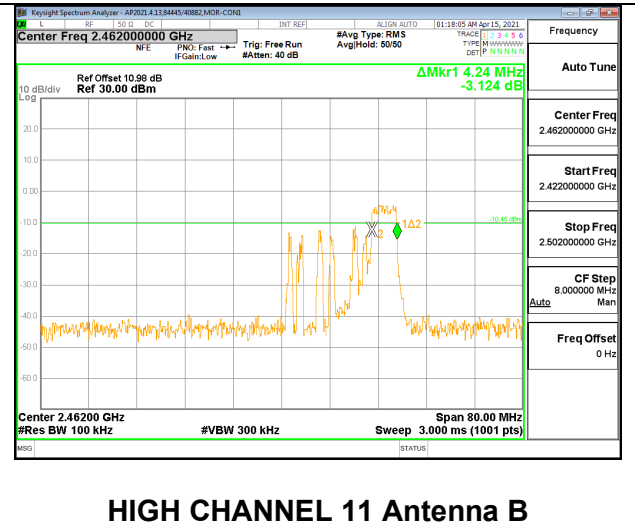
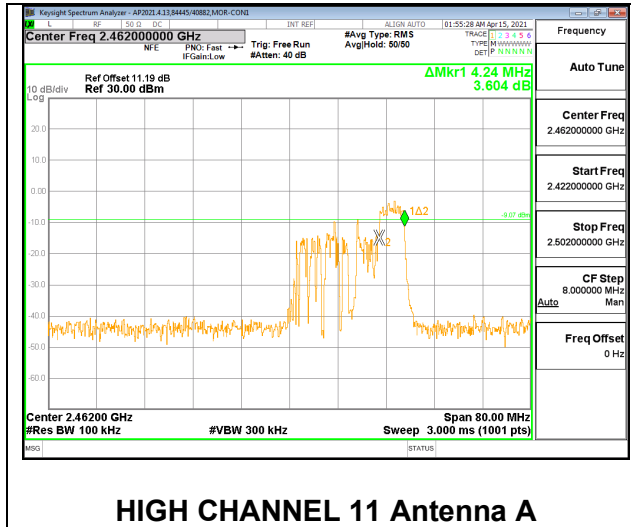


**HIGH CHANNEL 10 Antenna A**



**HIGH CHANNEL 10 Antenna B**

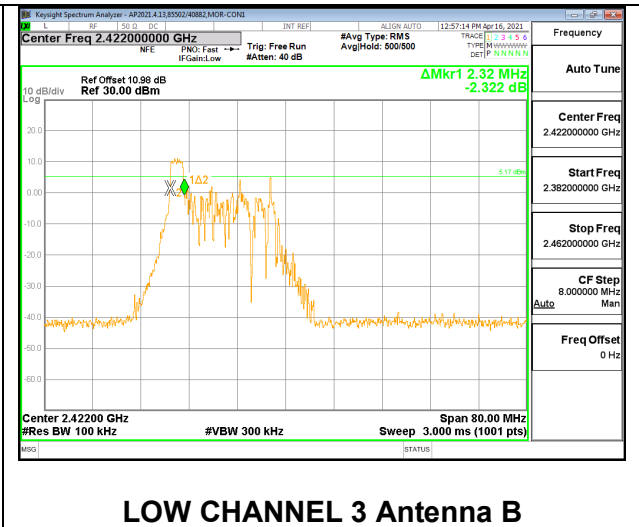
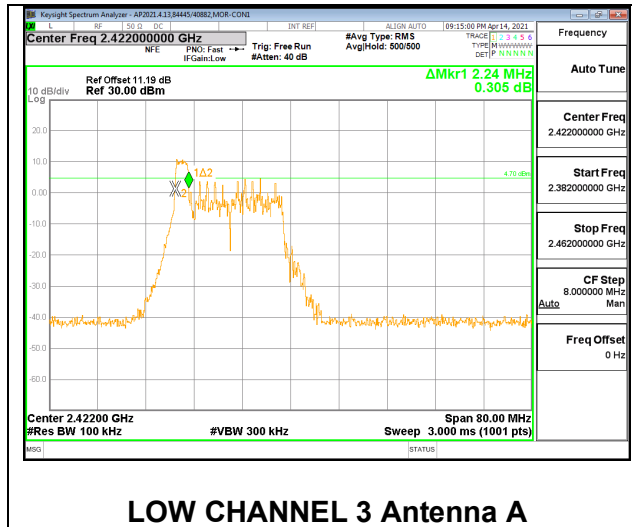
### HIGH CHANNEL 11



**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 0**

Channel	Frequency (MHz)	6 dB BW ANT A (MHz)	6 dB BW ANT B (MHz)	Minimum Limit (MHz)
Low 3	2422	2.24	2.32	0.5

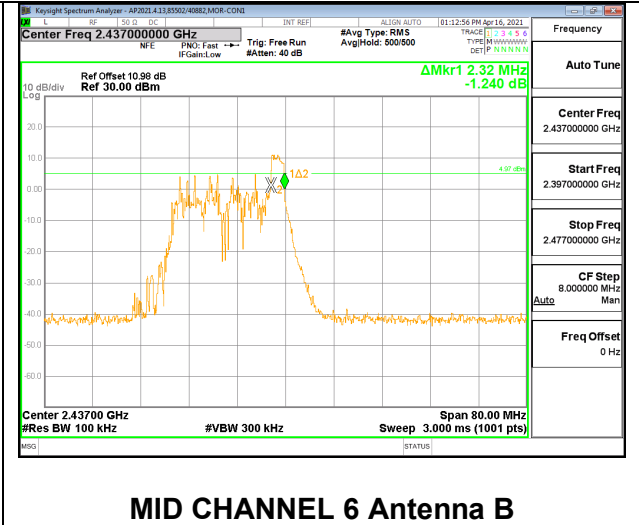
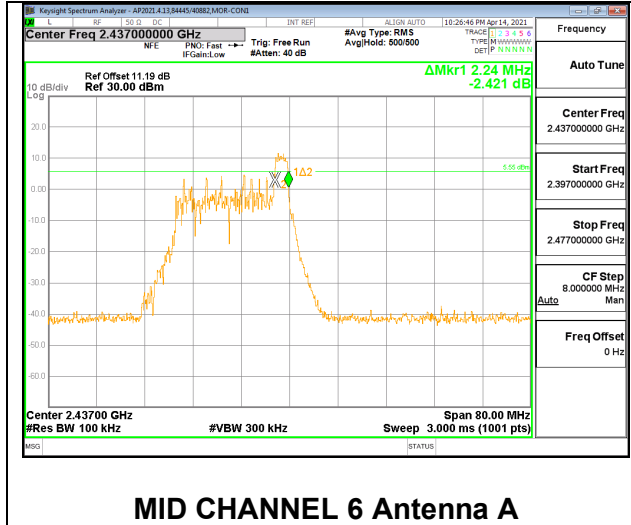
**LOW CHANNEL 3**



**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 8**

Channel	Frequency (MHz)	6 dB BW ANT A (MHz)	6 dB BW ANT B (MHz)	Minimum Limit (MHz)
Mid 6	2437	2.24	2.32	0.5

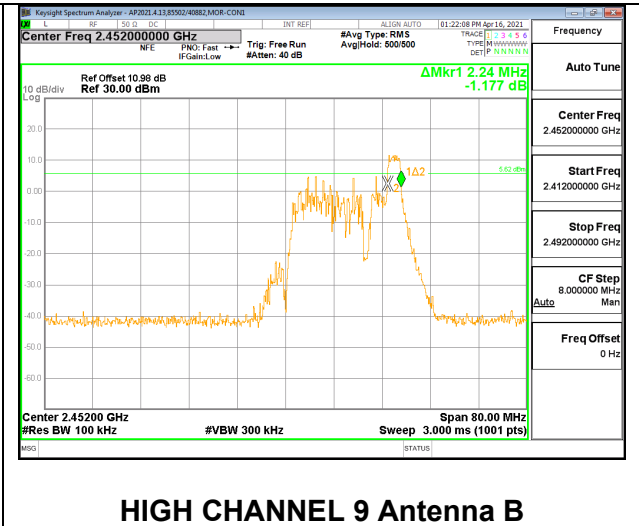
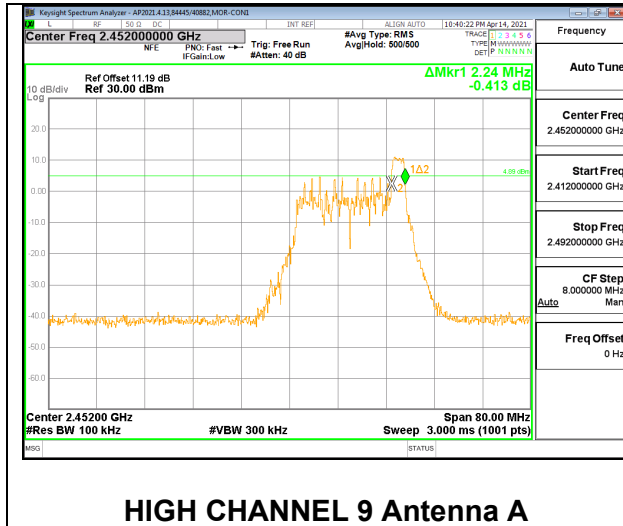
**MID CHANNEL 6**



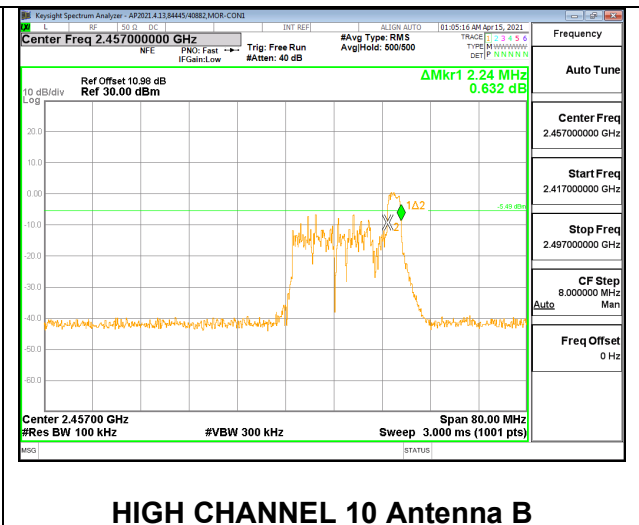
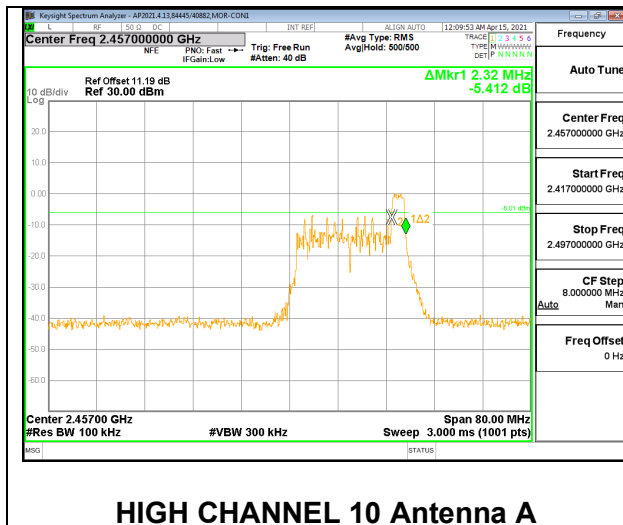
**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 17**

Channel	Frequency (MHz)	6 dB BW ANT A (MHz)	6 dB BW ANT B (MHz)	Minimum Limit (MHz)
High 9	2452	2.24	2.24	0.5
High 10	2457	2.32	2.24	0.5
High 11	2462	2.24	2.24	0.5

**HIGH CHANNEL 9**



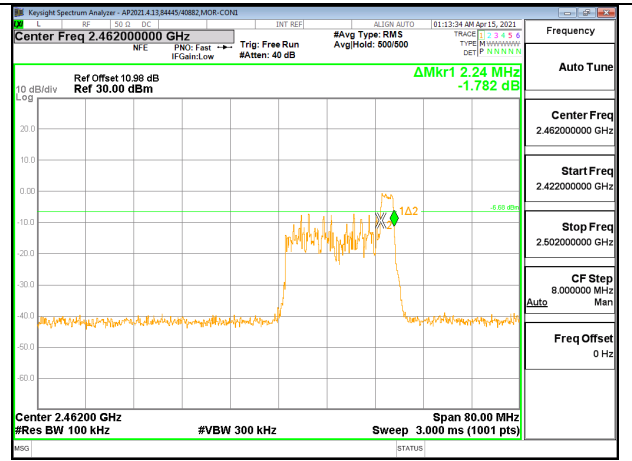
**HIGH CHANNEL 10**



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**



**HIGH CHANNEL 11 Antenna B**

### **9.3. 99% BANDWIDTH**

#### **LIMITS**

None; for reporting purposes only.

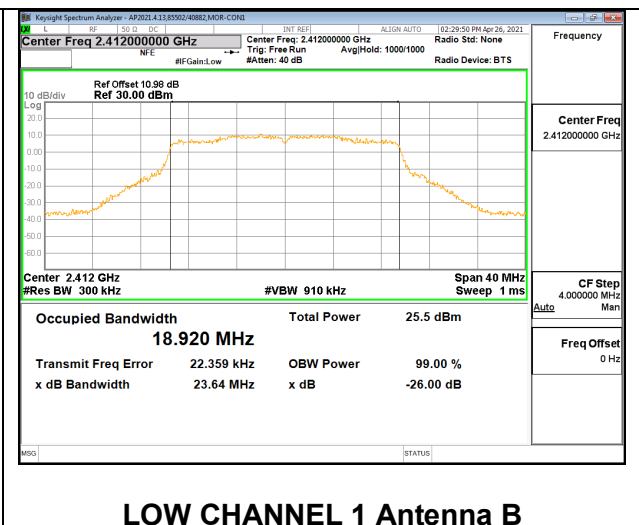
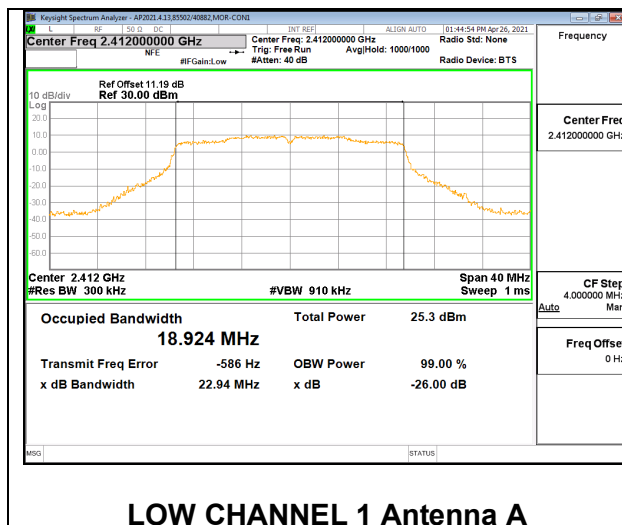
#### **RESULTS**

### 9.3.1. 802.11ax HE20 MODE 2TX

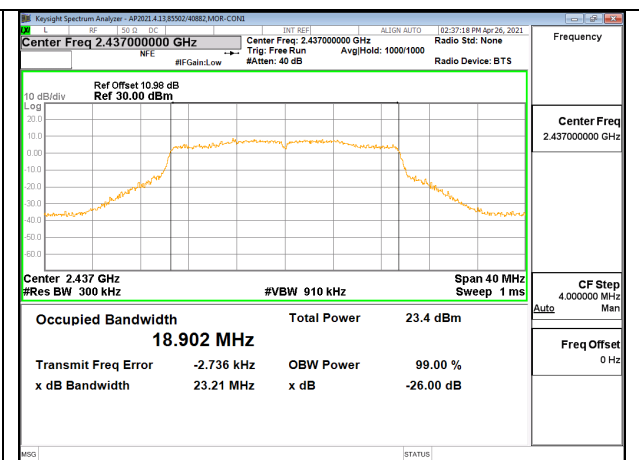
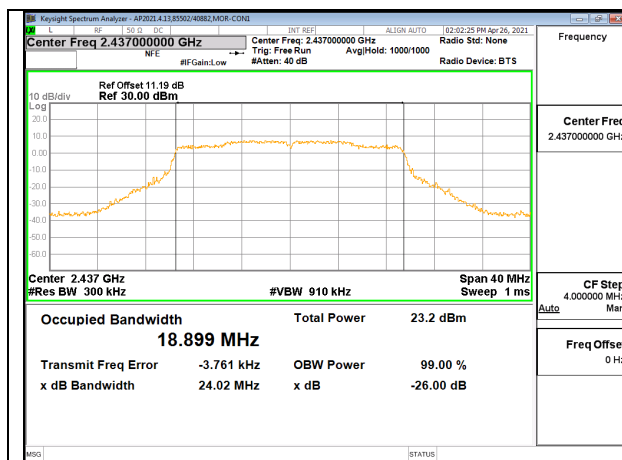
#### 2TX Antenna A + Antenna B OFDMA MODE: SU, Single User

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 1	2412	18.924	18.920
Mid 6	2437	18.899	18.902
High 11	2462	18.947	18.895
High 12	2467	18.925	18.898
High 13	2472	18.766	18.767

#### LOW CHANNEL 1



#### MID CHANNEL 6

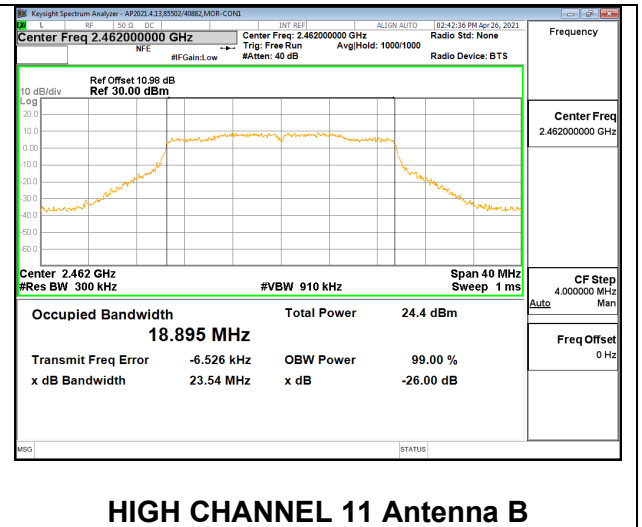
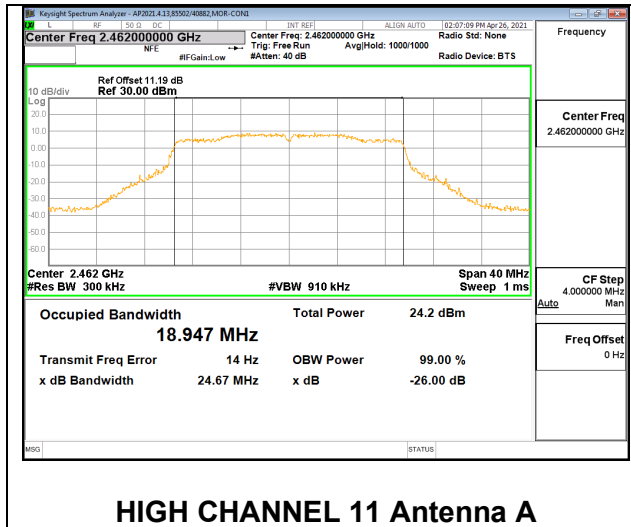




**MID CHANNEL 6 Antenna A**

**MID CHANNEL 6 Antenna B**

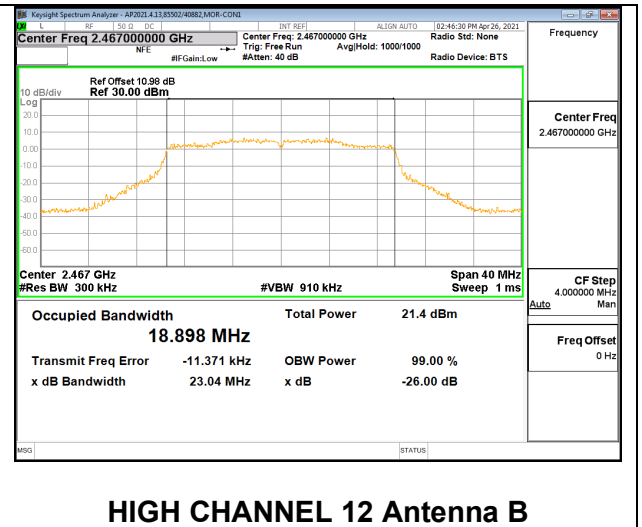
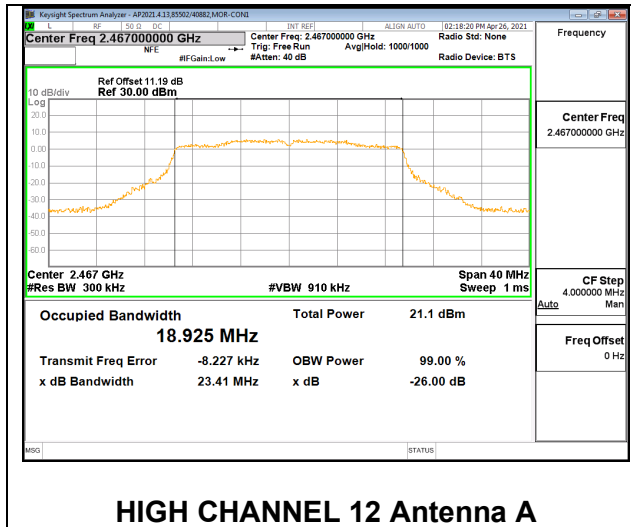
**HIGH CHANNEL 11**



**HIGH CHANNEL 11 Antenna A**

**HIGH CHANNEL 11 Antenna B**

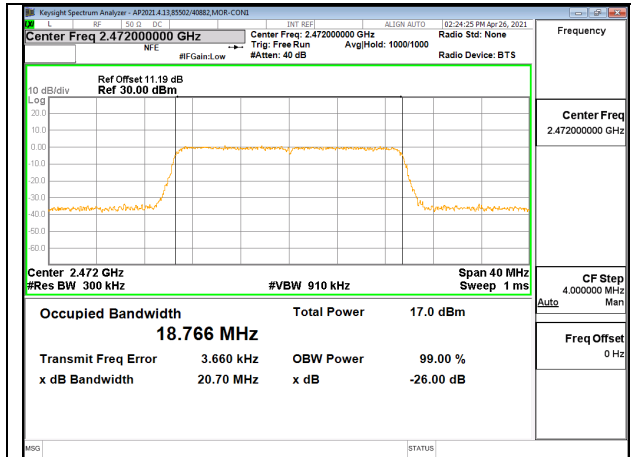
**HIGH CHANNEL 12**



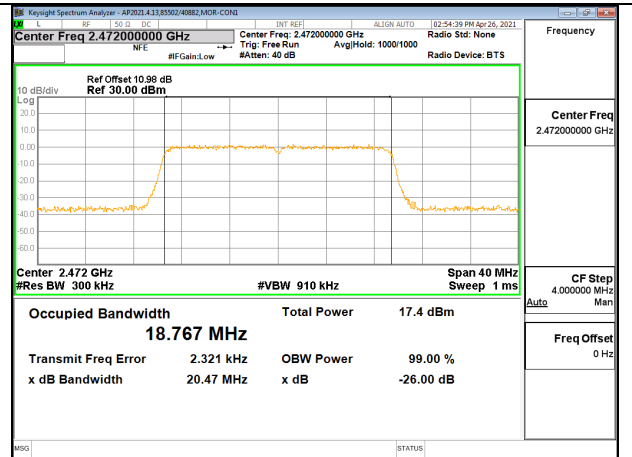
**HIGH CHANNEL 12 Antenna A**

**HIGH CHANNEL 12 Antenna B**

### HIGH CHANNEL 13



**HIGH CHANNEL 13 Antenna A**

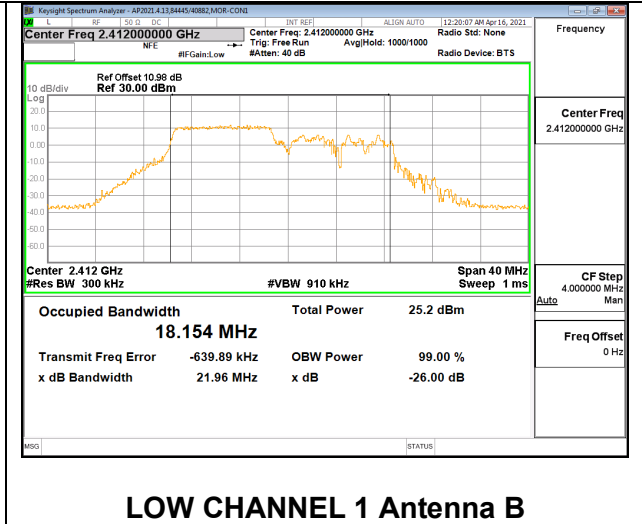
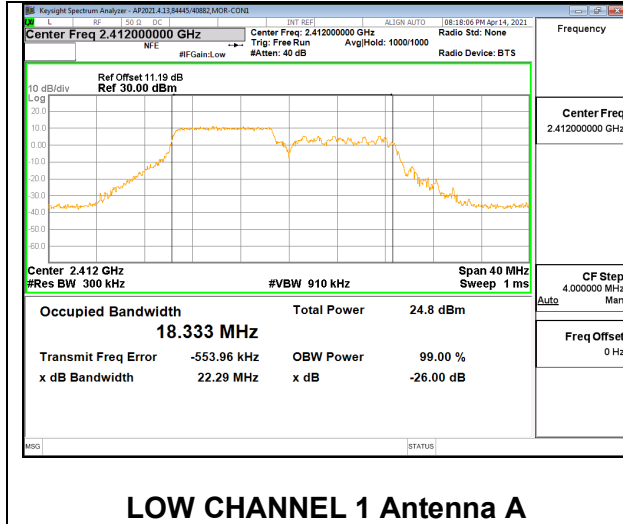


**HIGH CHANNEL 13 Antenna B**

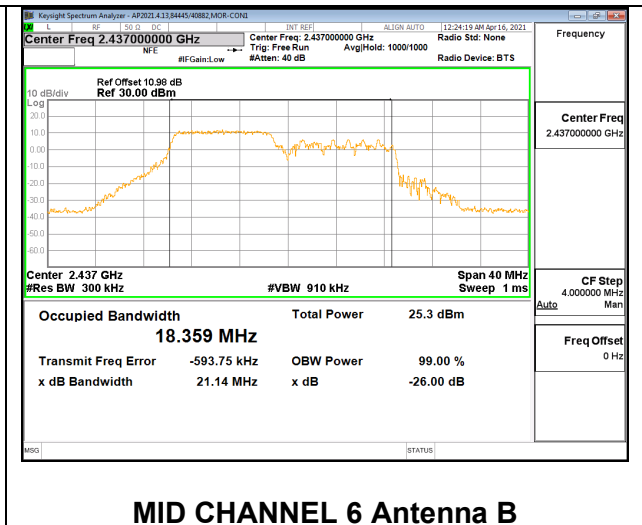
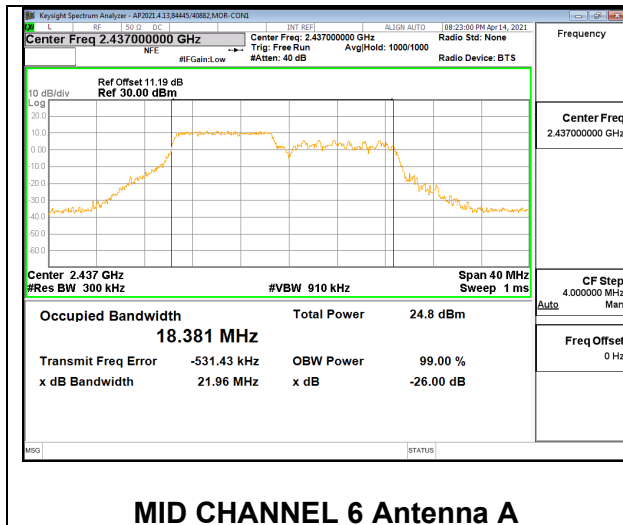
**2TX Antenna A + Antenna B OFDMA MODE: 106-Tones, RU Index 53**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 1	2412	18.333	18.154
Mid 6	2437	18.381	18.359

**LOW CHANNEL 1**



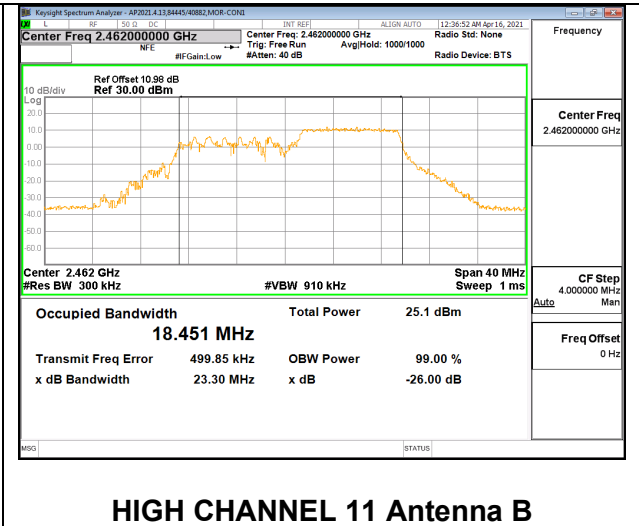
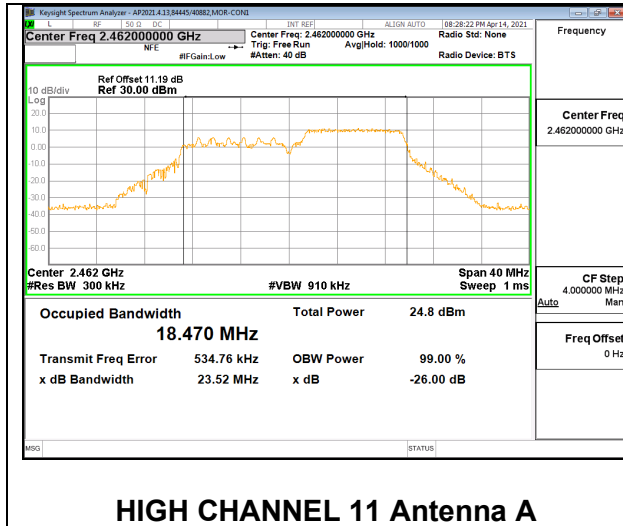
**MID CHANNEL 6**



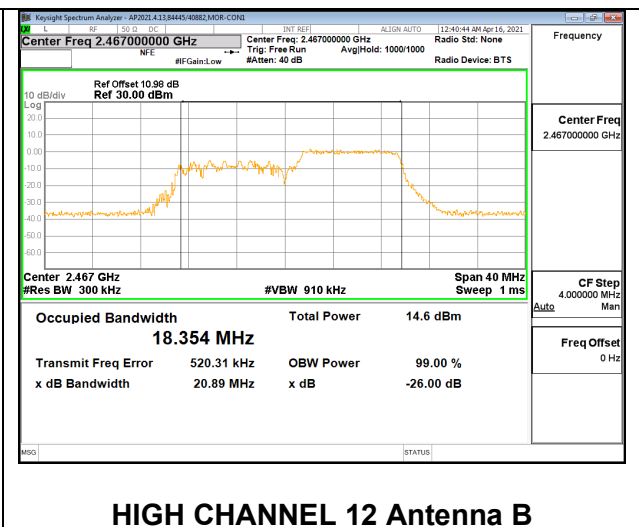
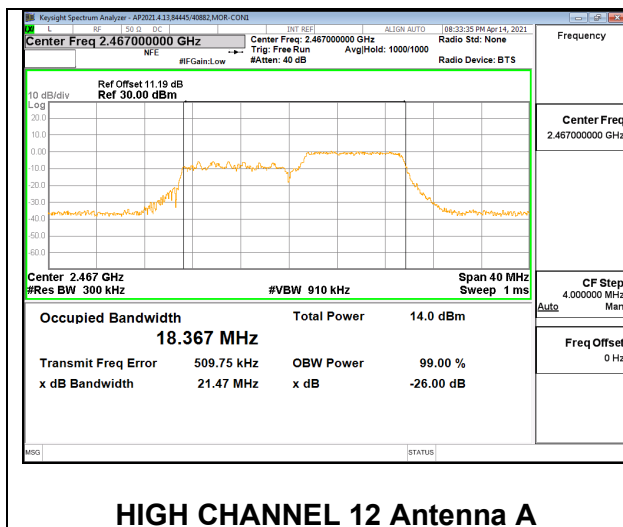
**2TX Antenna A + Antenna B OFDMA MODE: 106-Tones, RU Index 54**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 11	2462	18.470	18.451
High 12	2467	18.367	18.354
High 13	2472	18.112	17.973

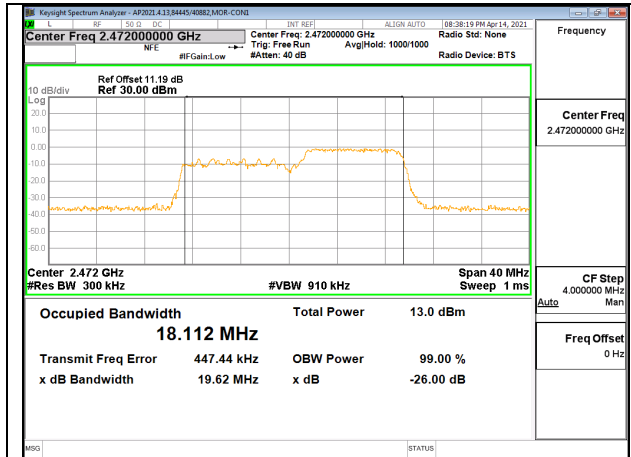
**HIGH CHANNEL 11**



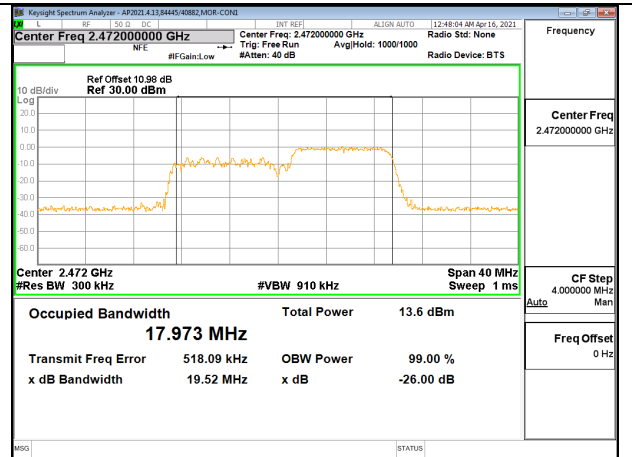
**HIGH CHANNEL 12**



### HIGH CHANNEL 13



**HIGH CHANNEL 13 Antenna A**

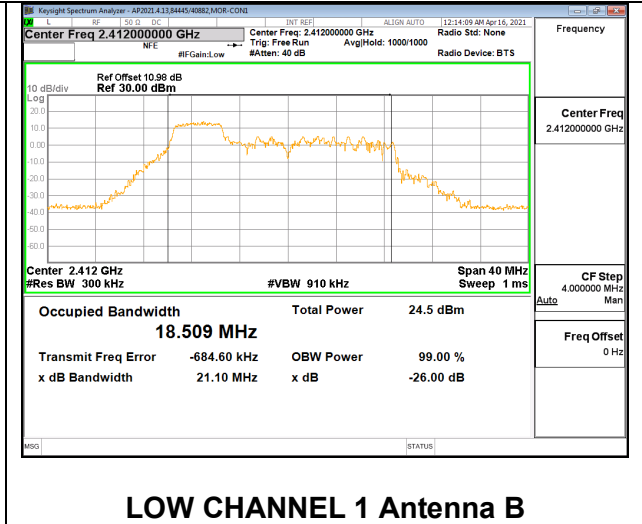
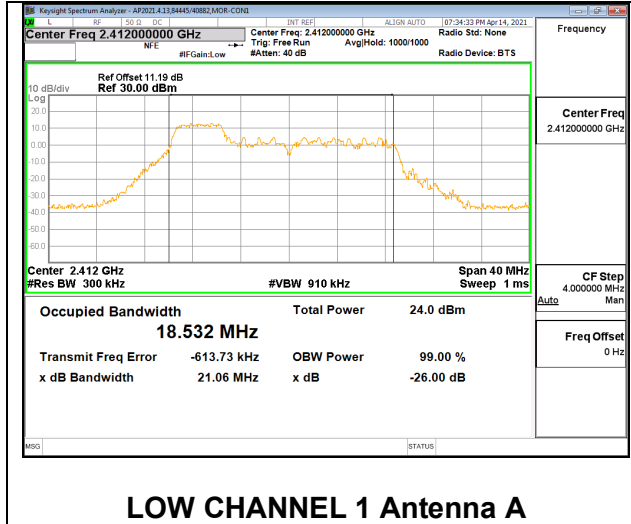


**HIGH CHANNEL 13 Antenna B**

**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 37**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 1	2412	18.532	18.509

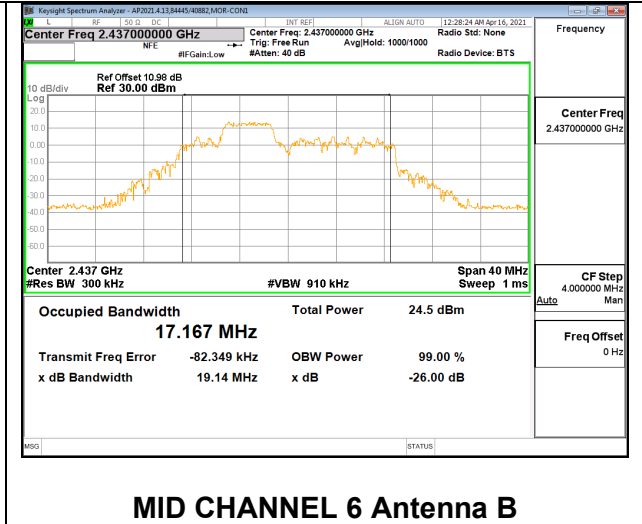
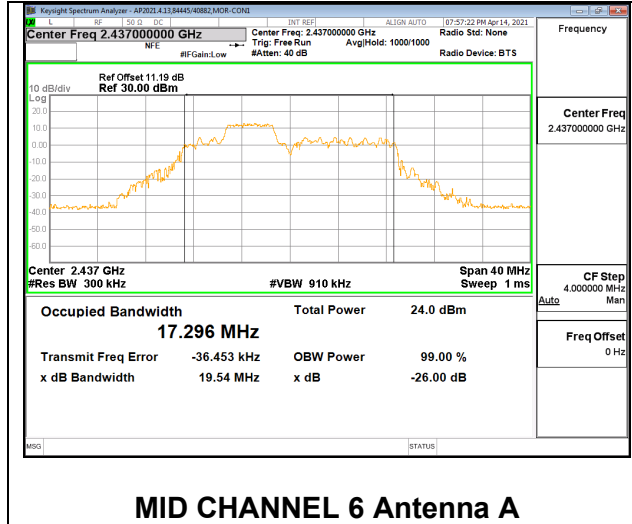
**LOW CHANNEL 1**



**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 38**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Mid 6	2437	17.296	17.167

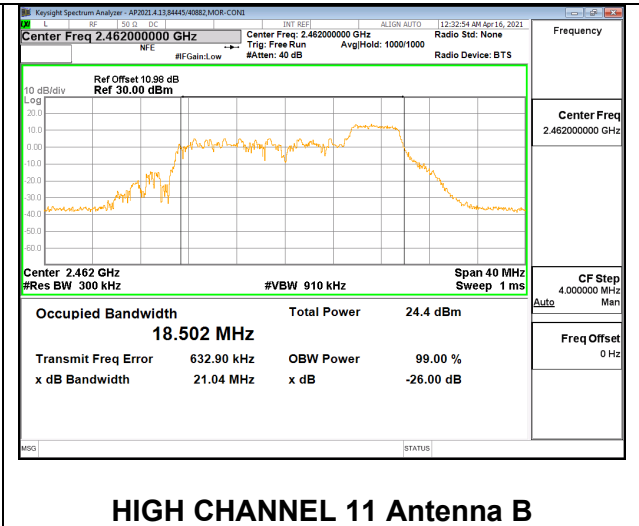
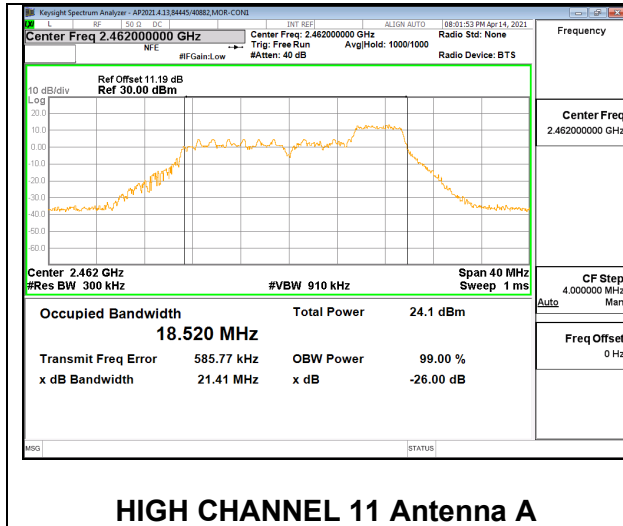
**MID CHANNEL 6**



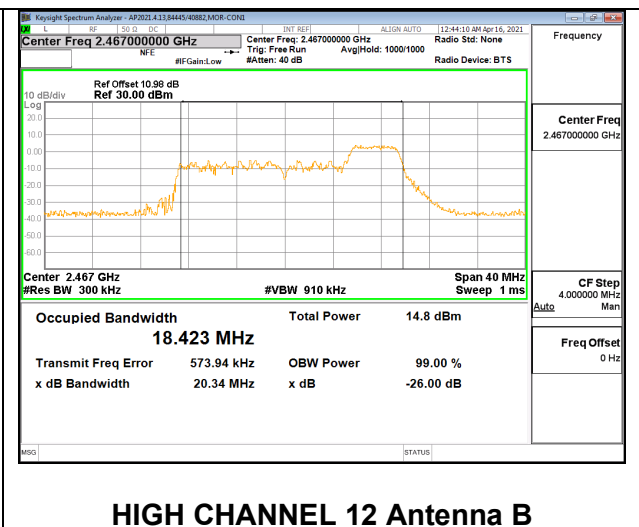
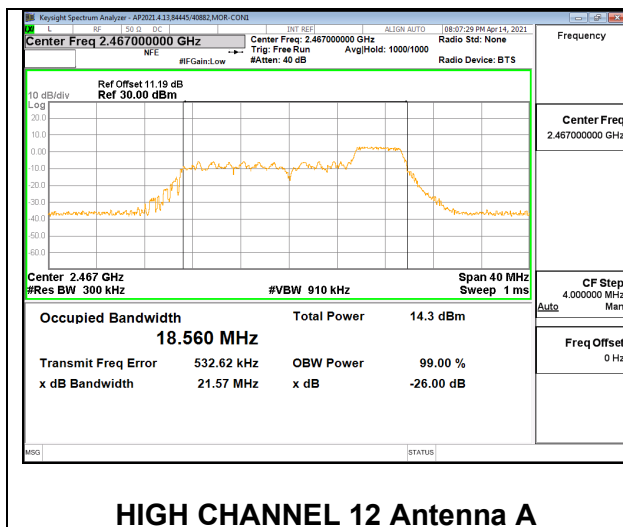
**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 40**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 11	2462	18.520	18.502
High 12	2467	18.560	18.423
High 13	2472	18.202	17.741

**HIGH CHANNEL 11**

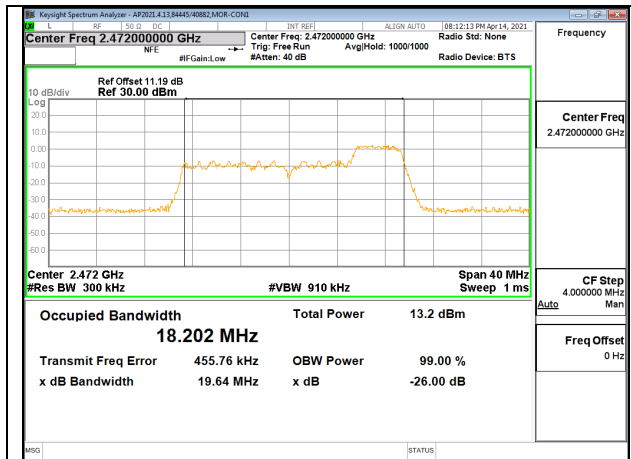


**HIGH CHANNEL 12**

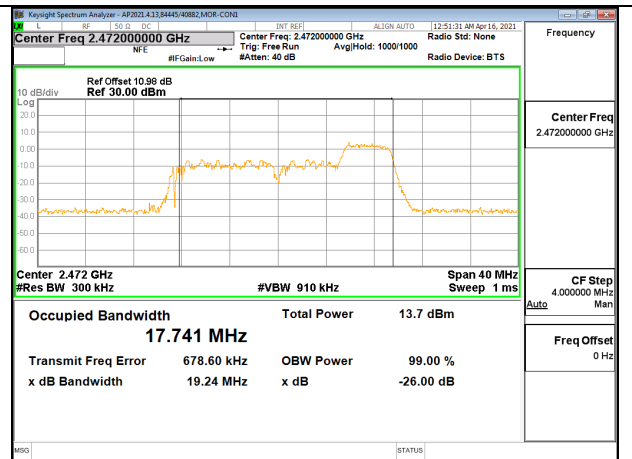




### HIGH CHANNEL 13



**HIGH CHANNEL 13 Antenna A**

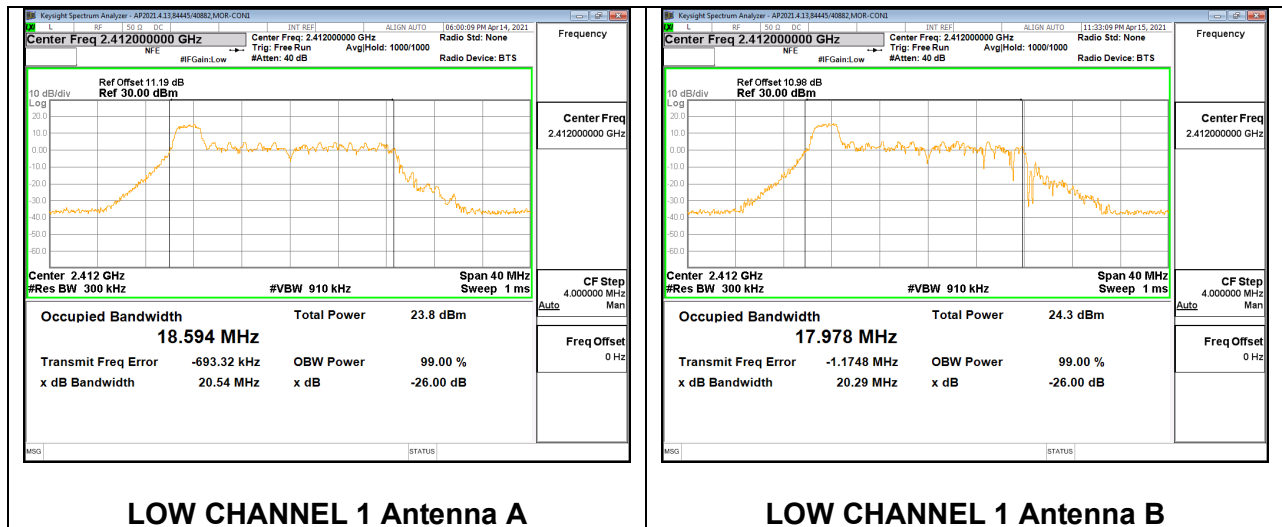


**HIGH CHANNEL 13 Antenna B**

**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 0**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 1	2412	18.594	17.978

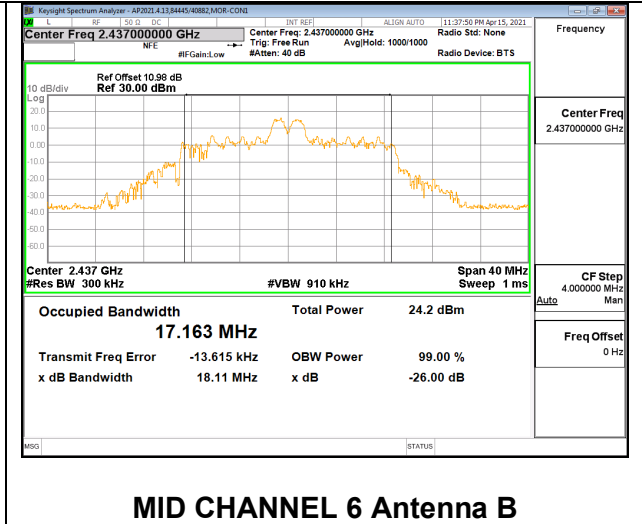
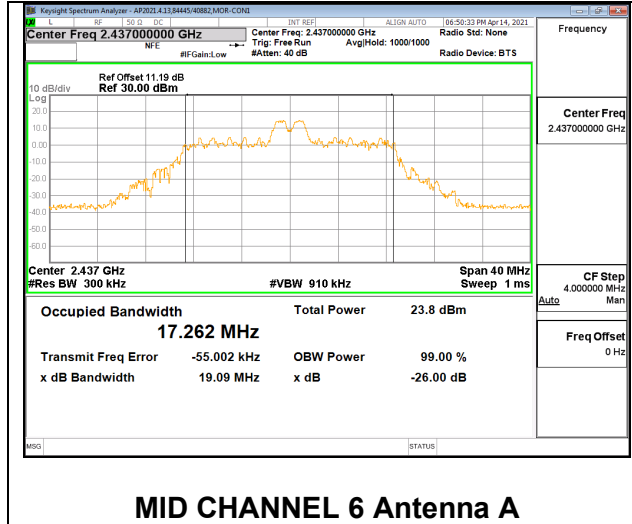
**LOW CHANNEL 1**



**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 4**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Mid 6	2437	17.262	17.163

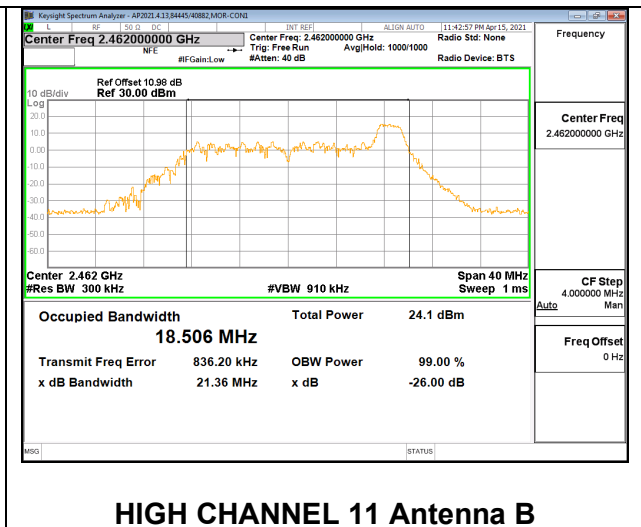
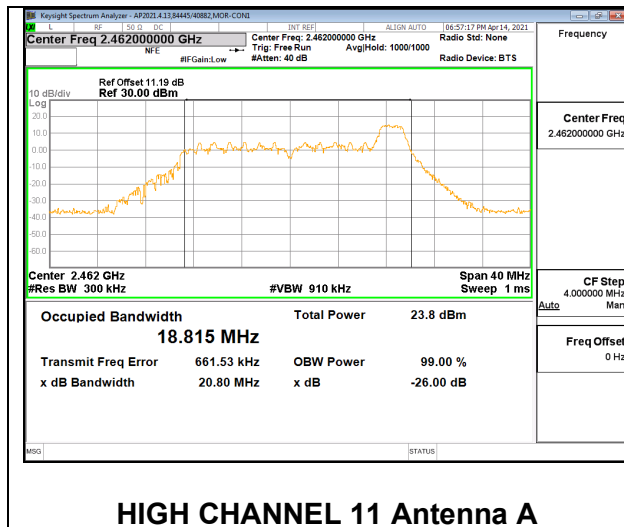
**MID CHANNEL 6**



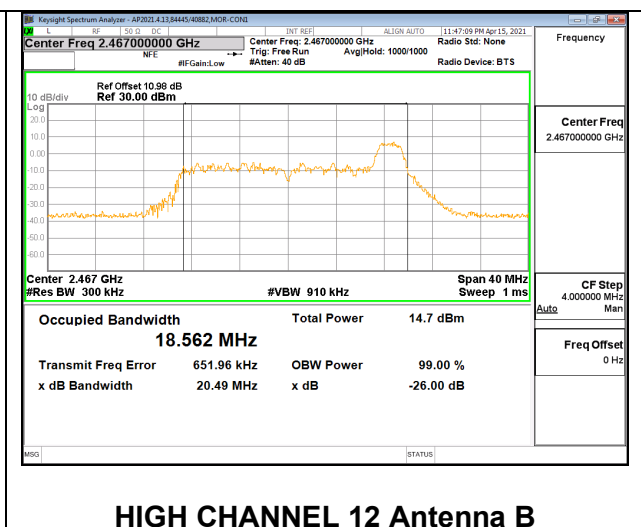
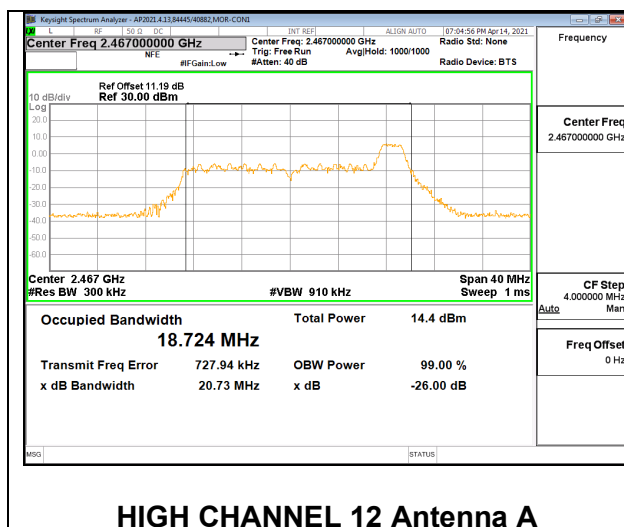
**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 8**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 11	2462	18.815	18.506
High 12	2467	18.724	18.562
High 13	2472	18.233	18.216

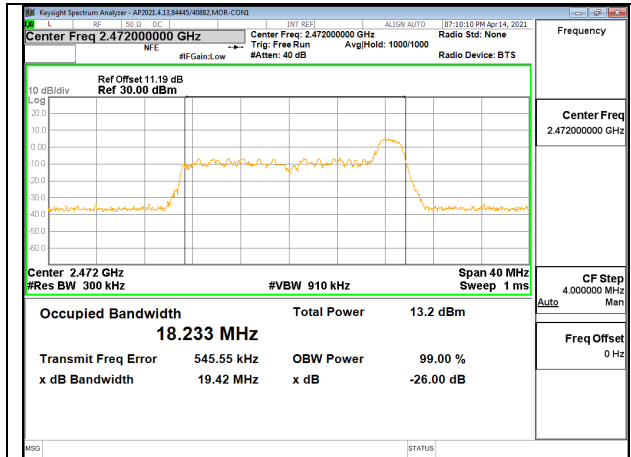
**HIGH CHANNEL 11**



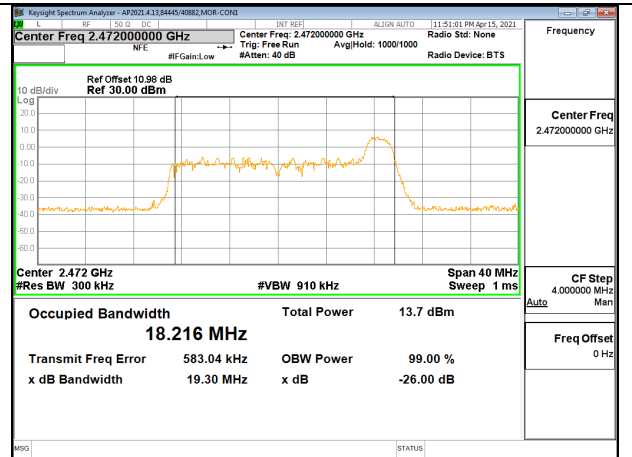
**HIGH CHANNEL 12**



### HIGH CHANNEL 13



**HIGH CHANNEL 13 Antenna A**



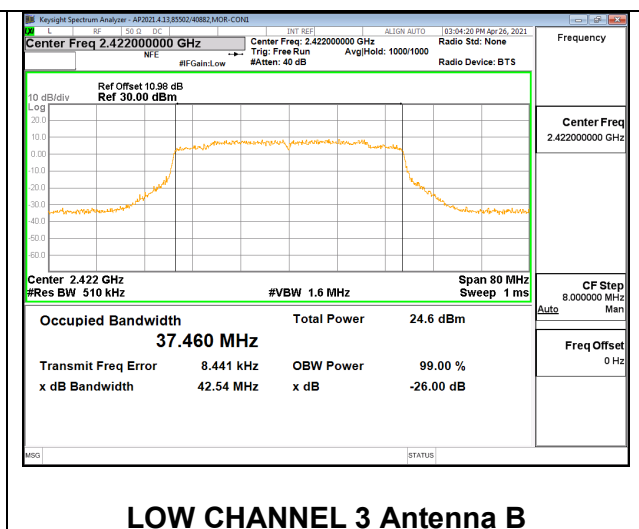
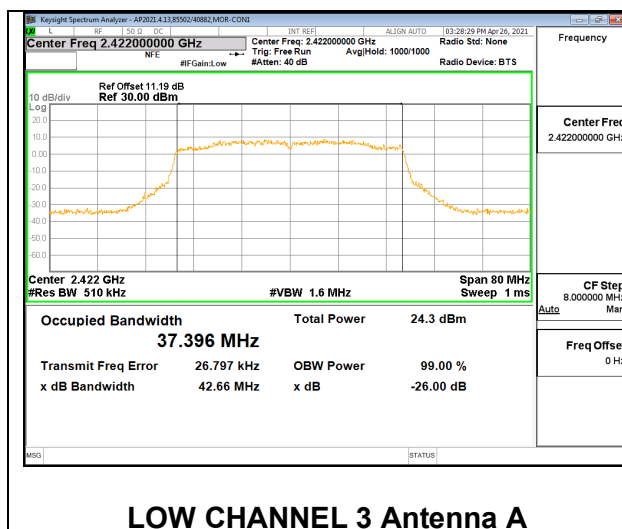
**HIGH CHANNEL 13 Antenna B**

### 9.3.2. 802.11ax HE40 MODE 2TX

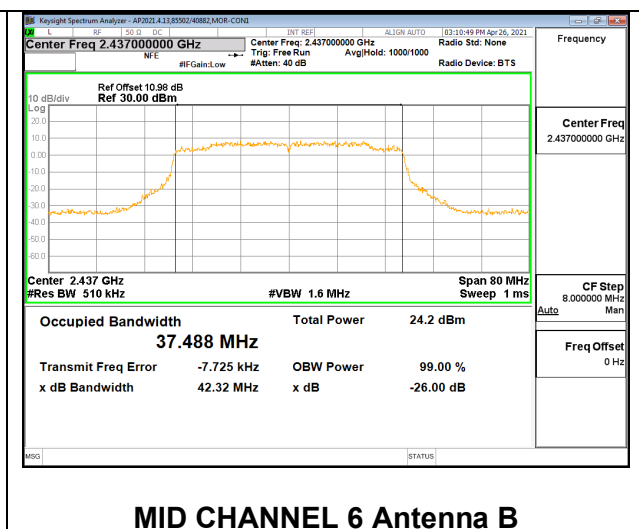
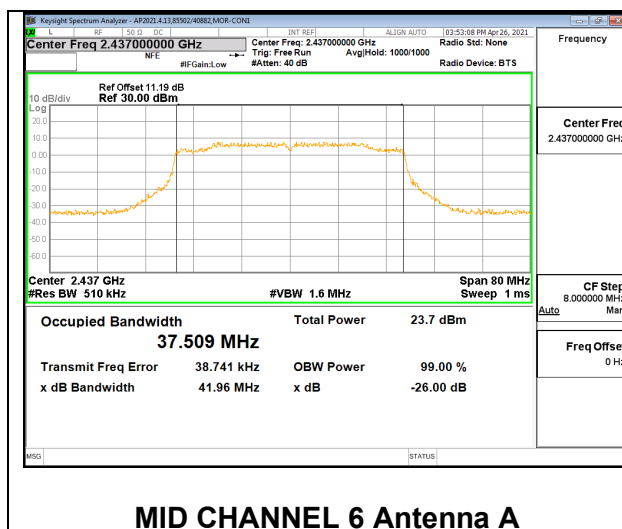
#### 2TX Antenna A + Antenna B OFDMA MODE: SU, Single User

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 3	2422	37.396	37.460
Mid 6	2437	37.509	37.488
High 9	2452	37.740	37.466
High 10	2457	37.398	37.455
High 11	2462	37.636	37.559

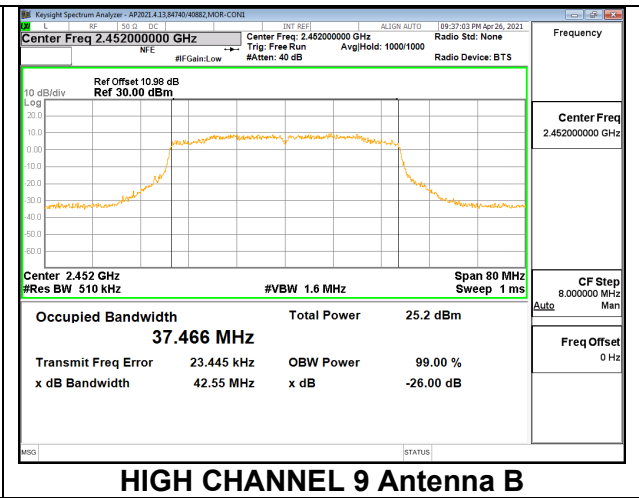
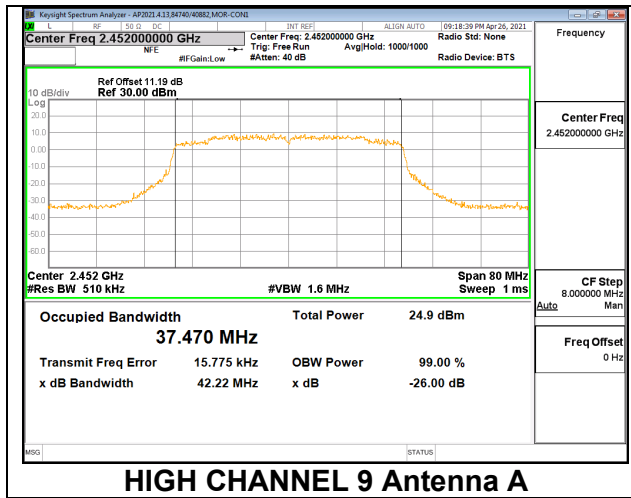
### LOW CHANNEL 3



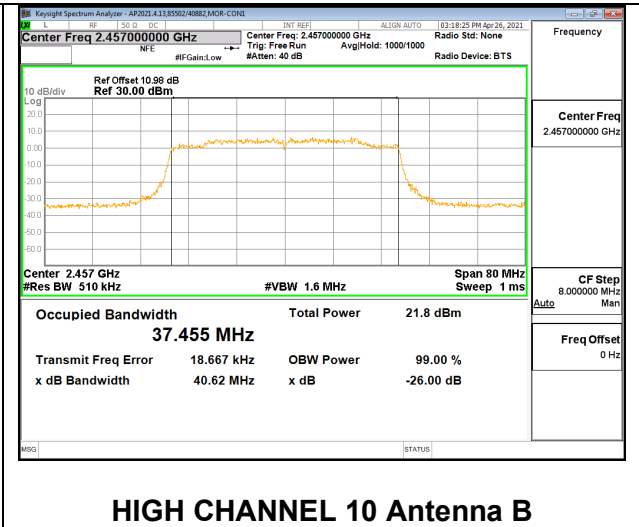
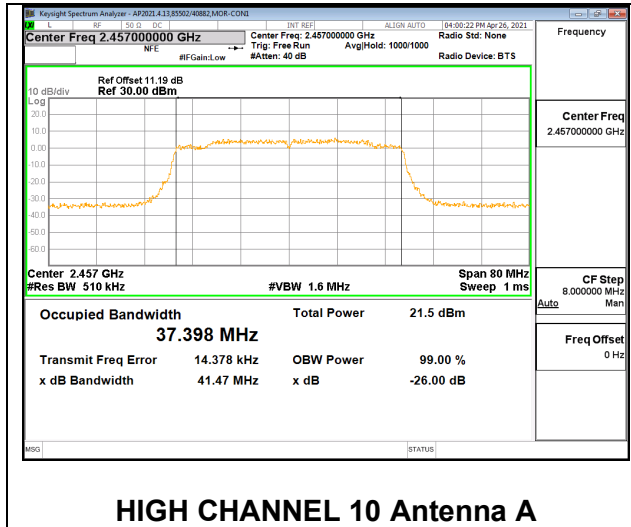
### MID CHANNEL 6



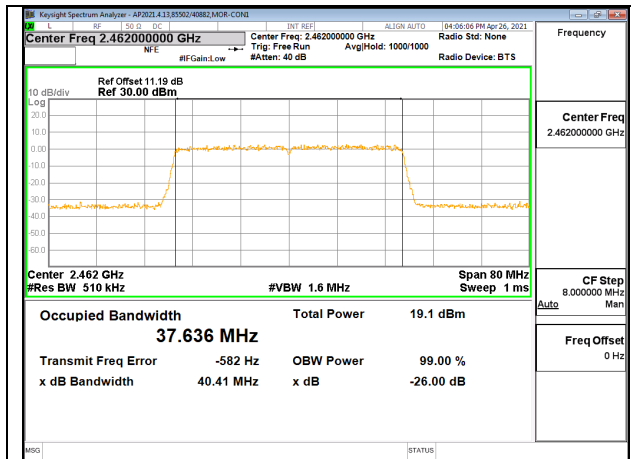
### HIGH CHANNEL 9



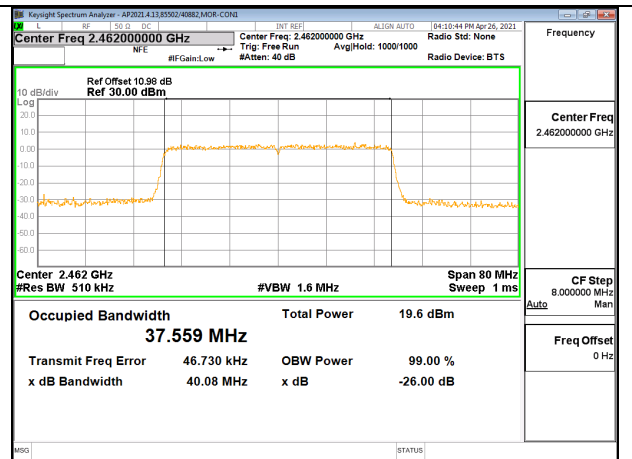
### HIGH CHANNEL 10



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**



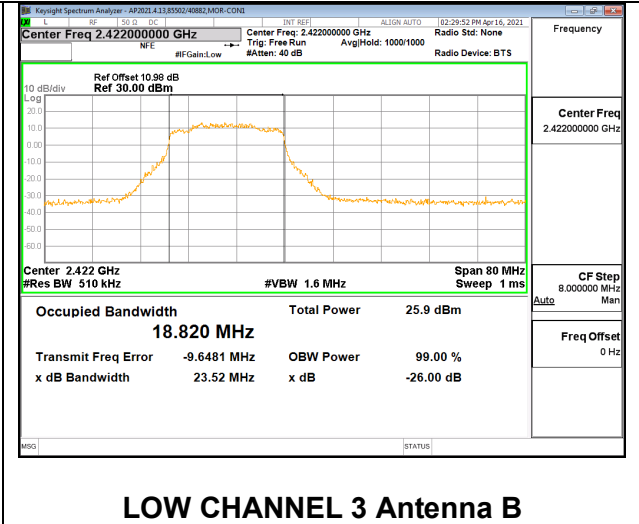
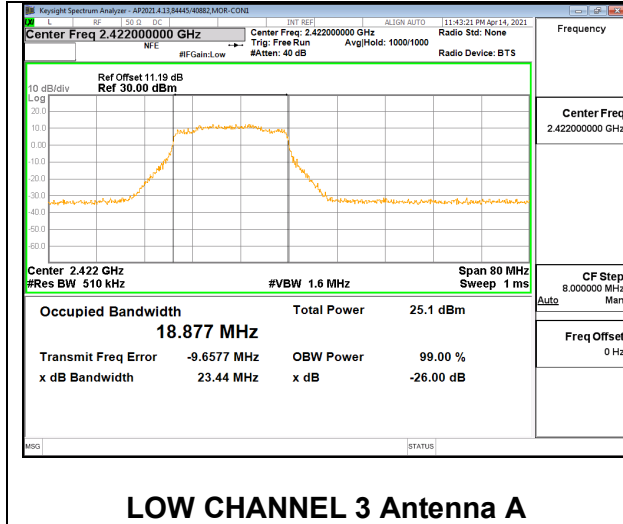
**HIGH CHANNEL 11 Antenna B**



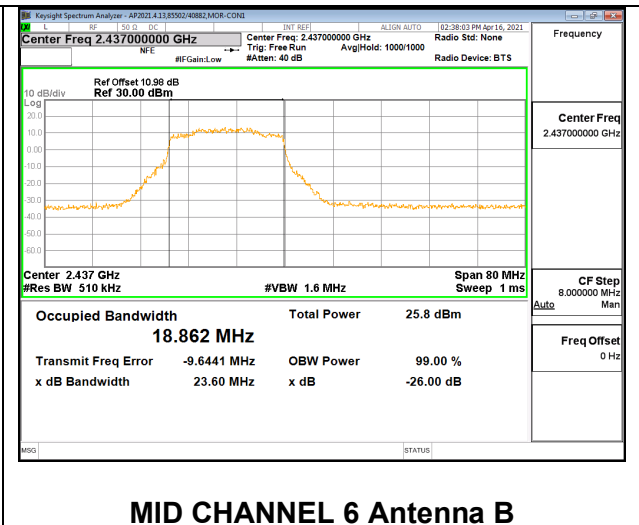
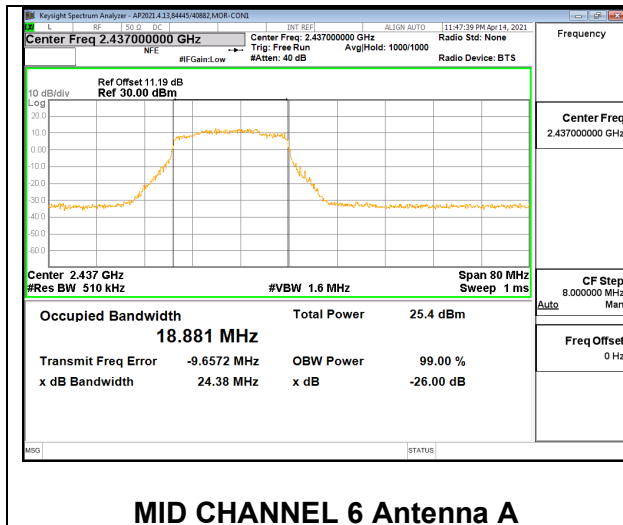
**2TX Antenna A + Antenna B OFDMA MODE: 242-Tones, RU Index 61**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 3	2422	18.877	18.820
Mid 6	2437	18.881	18.862

**LOW CHANNEL 3**



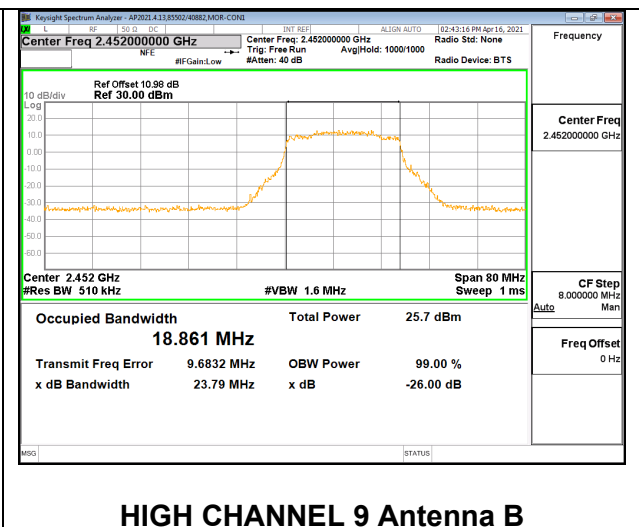
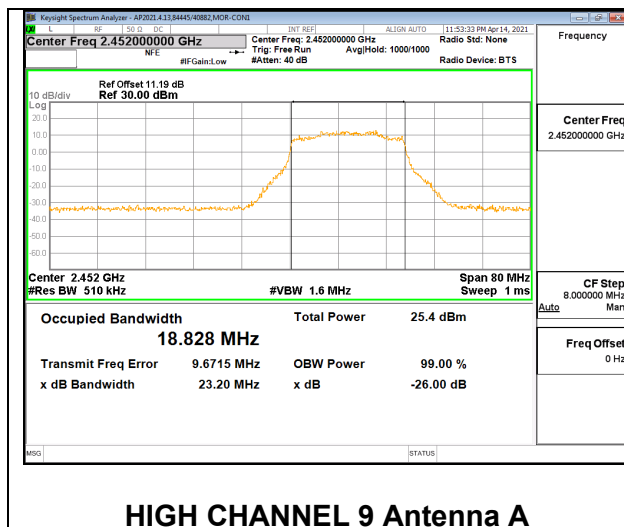
**MID CHANNEL 6**



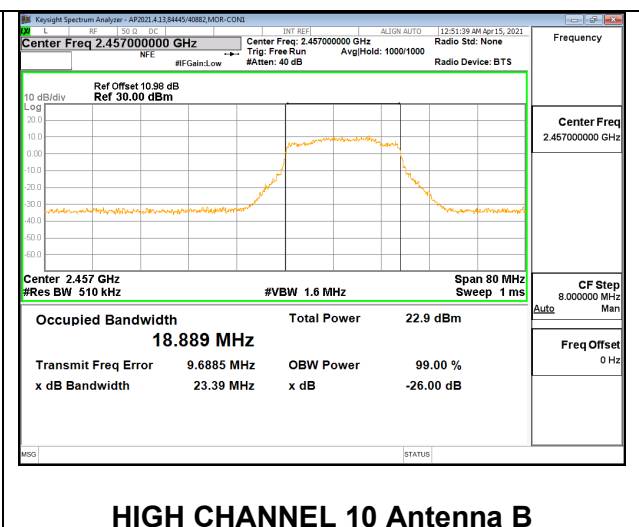
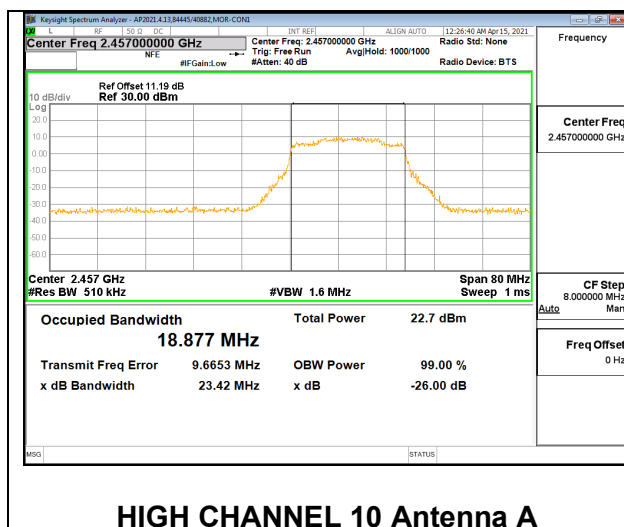
**2TX Antenna A + Antenna B OFDMA MODE: 242-Tones, RU Index 62**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 9	2452	18.828	18.861
High 10	2457	18.877	18.889
High 11	2462	18.728	18.751

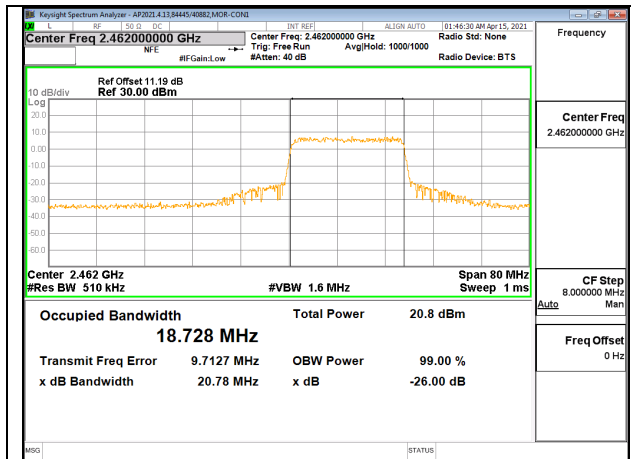
**HIGH CHANNEL 9**



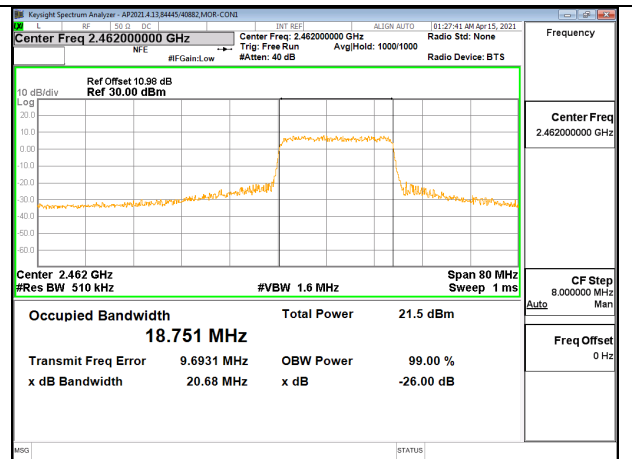
**HIGH CHANNEL 10**



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**

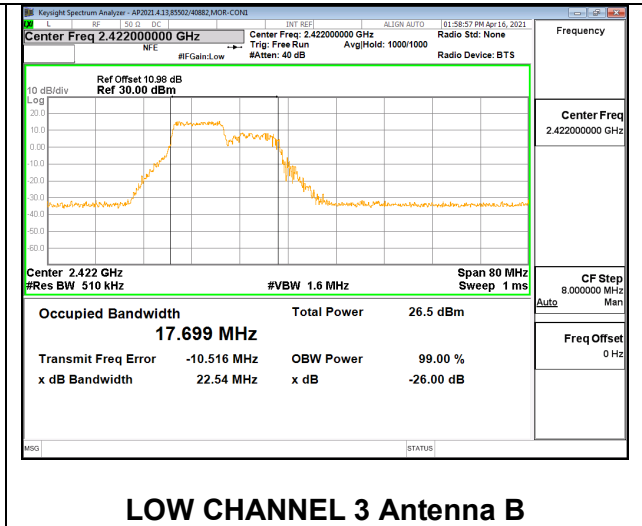
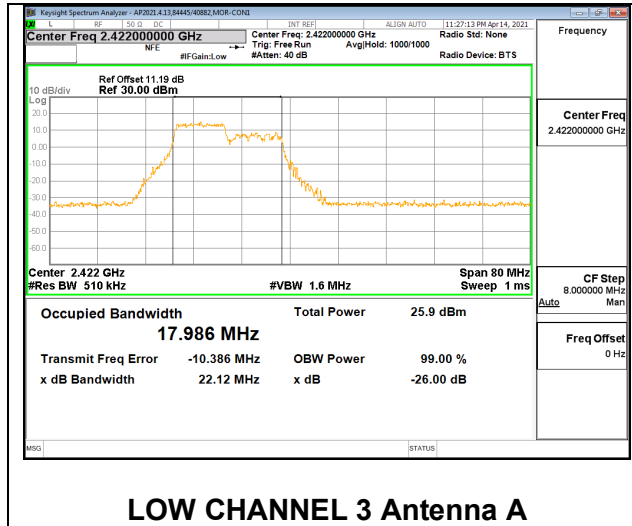


**HIGH CHANNEL 11 Antenna B**

**2TX Antenna A + Antenna B OFDMA MODE: 106-Tones, RU Index 53**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 3	2422	17.986	17.699

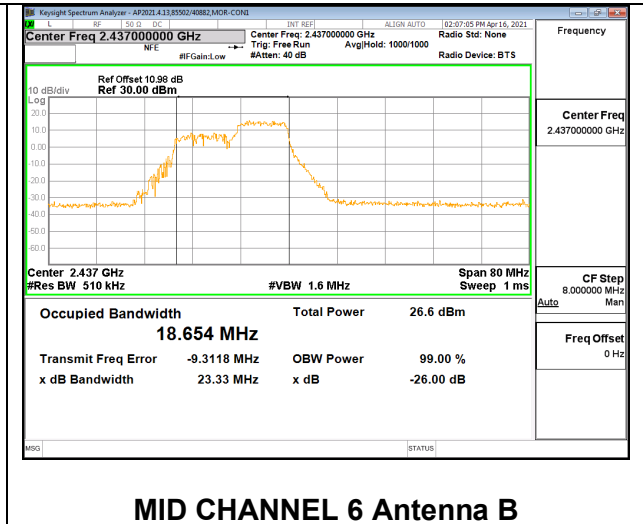
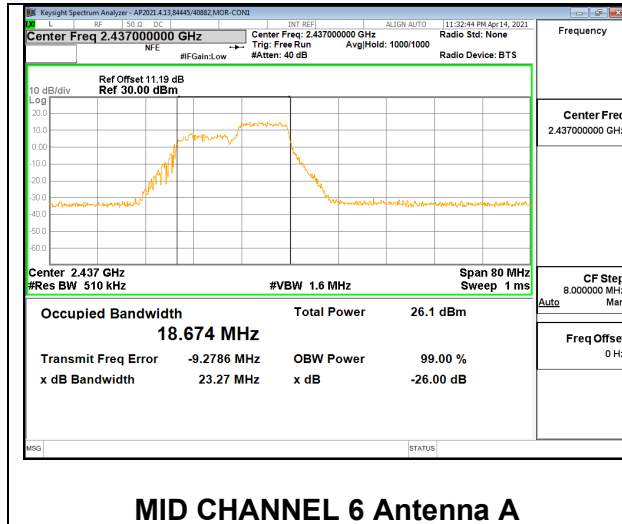
**LOW CHANNEL 3**



**2TX Antenna A + Antenna B OFDMA MODE: 106-Tones, RU Index 54**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Mid 6	2437	18.674	18.654

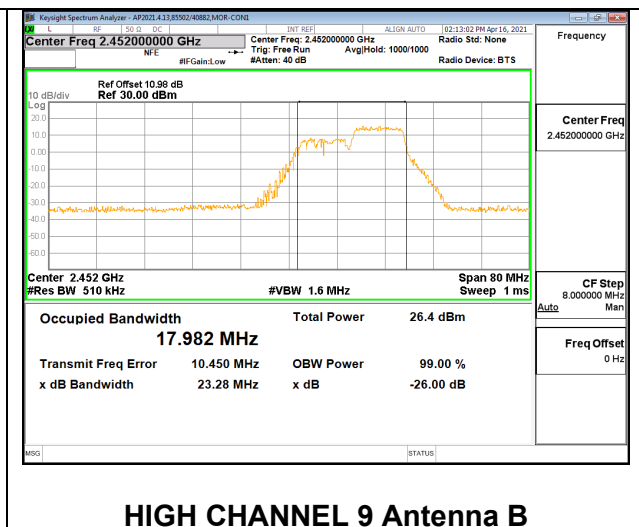
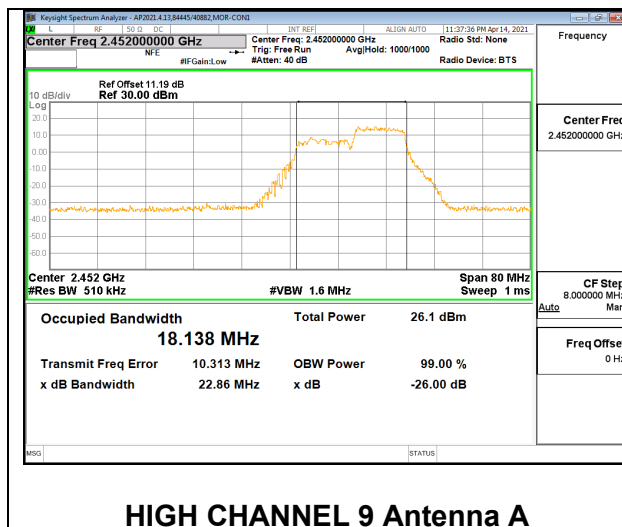
**MID CHANNEL 6**



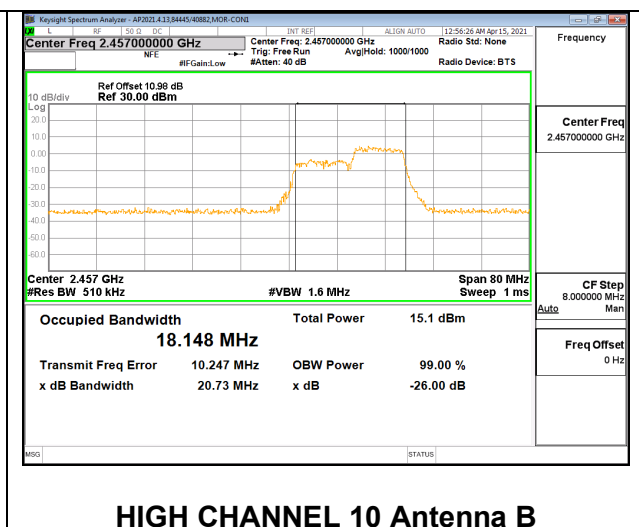
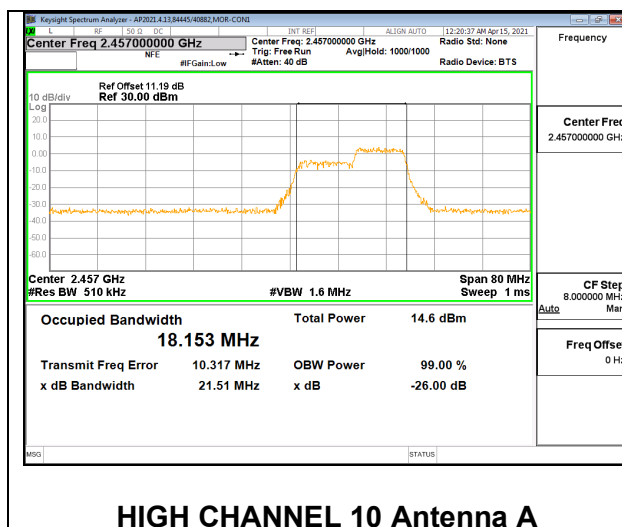
**2TX Antenna A + Antenna B OFDMA MODE: 106-Tones, RU Index 56**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 9	2452	18.138	17.982
High 10	2457	18.153	18.148
High 11	2462	17.867	17.783

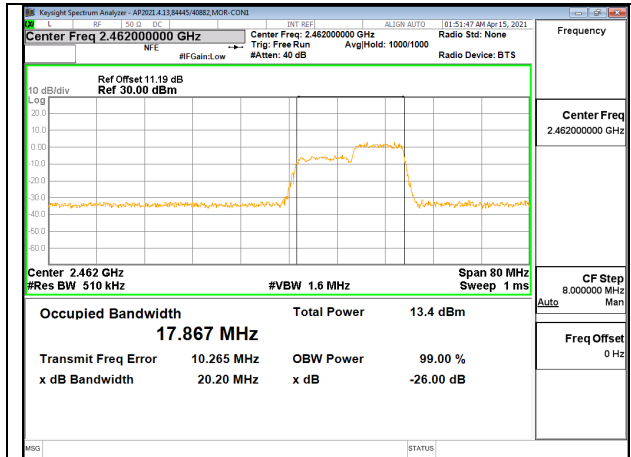
**HIGH CHANNEL 9**



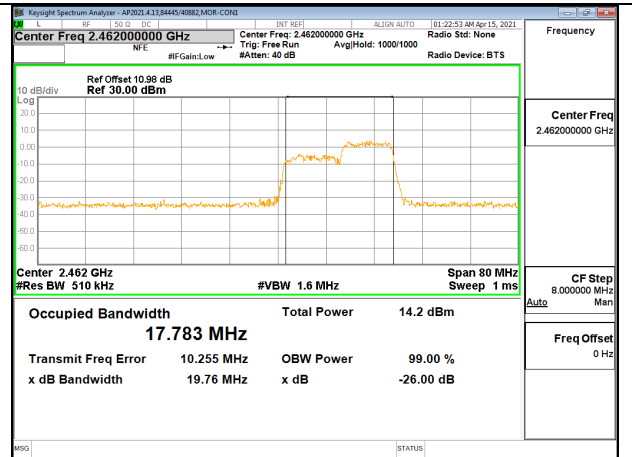
**HIGH CHANNEL 10**



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**

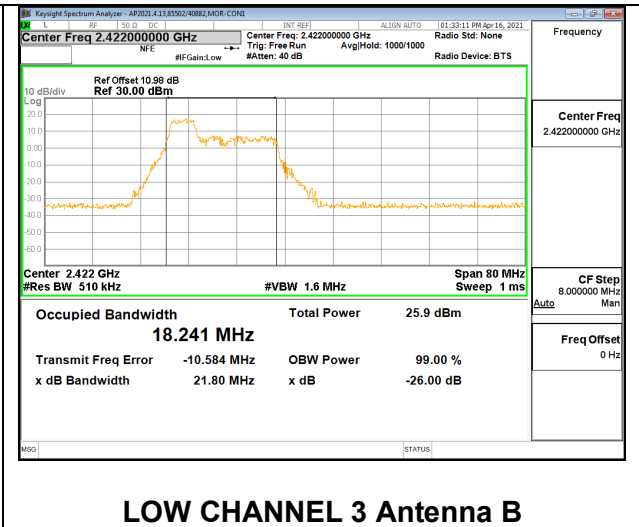
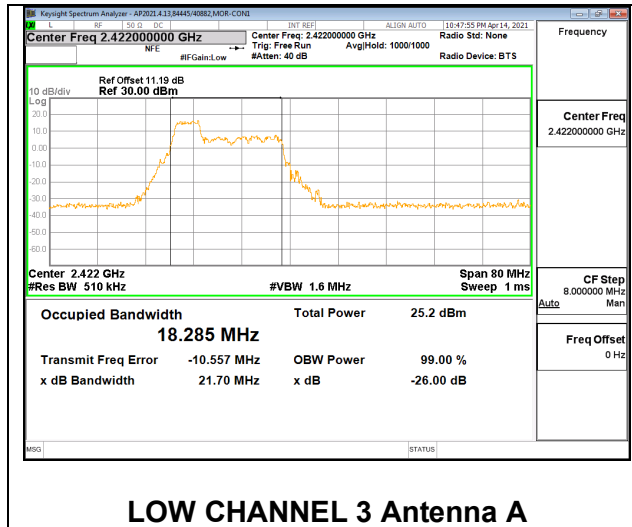


**HIGH CHANNEL 11 Antenna B**

**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 37**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 3	2422	18.285	18.241

**LOW CHANNEL 3**

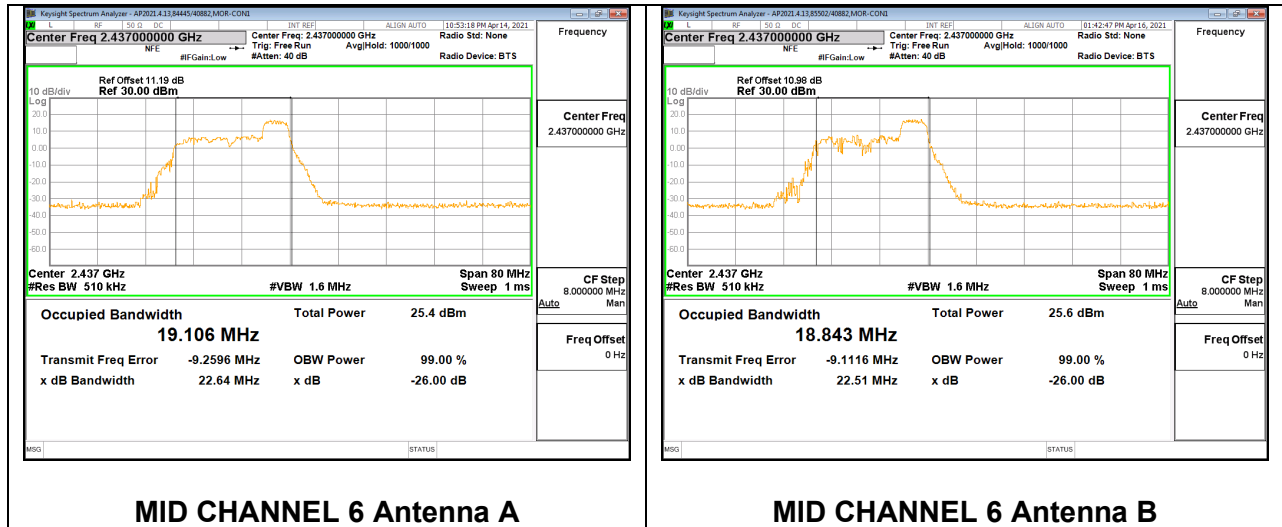




**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 40**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Mid 6	2437	19.106	18.843

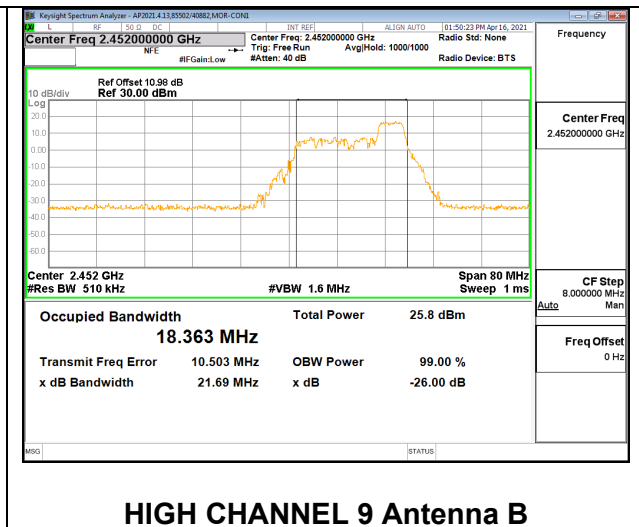
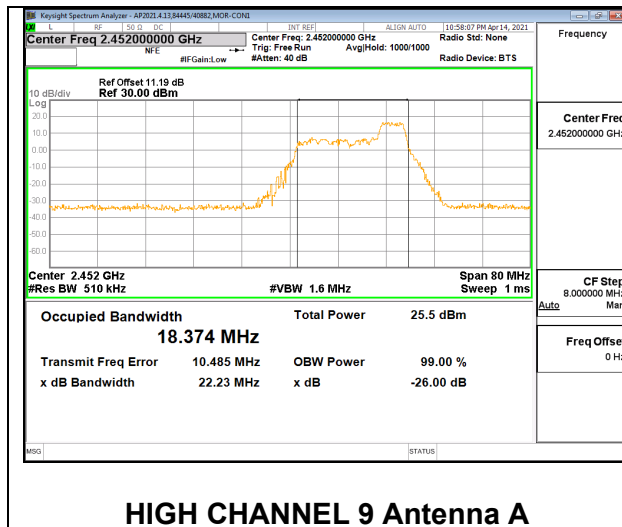
**MID CHANNEL 6**



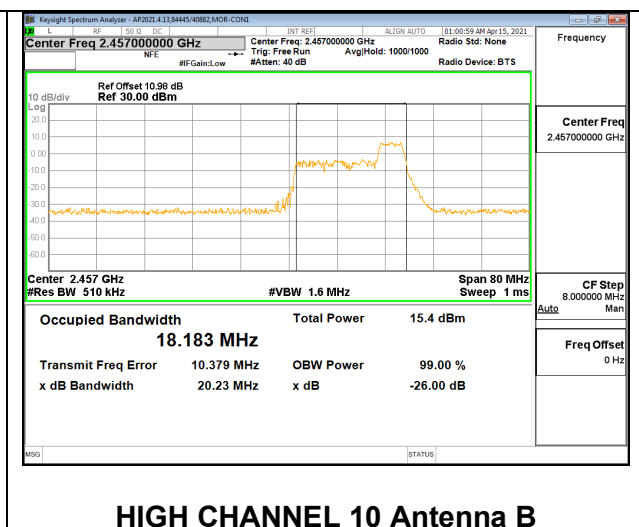
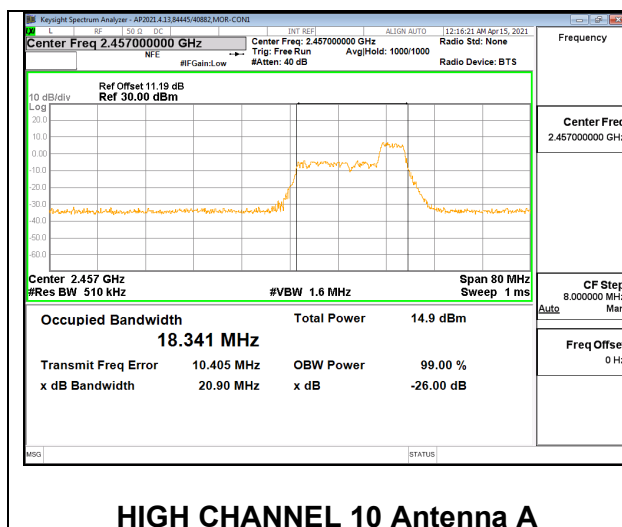
**2TX Antenna A + Antenna B OFDMA MODE: 52-Tones, RU Index 44**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 9	2452	18.374	18.363
High 10	2457	18.341	18.183
High 11	2462	18.030	17.840

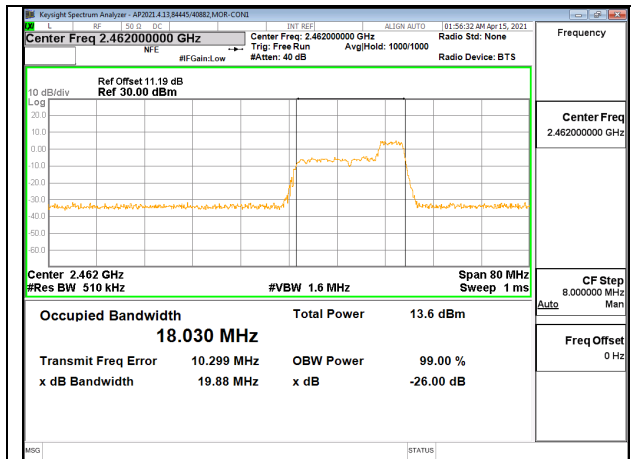
**HIGH CHANNEL 9**



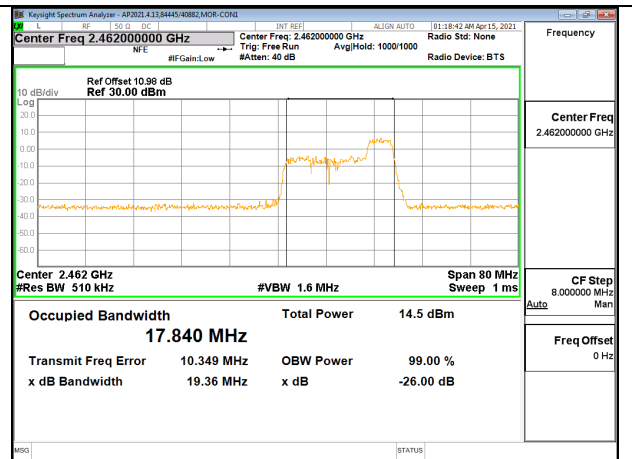
**HIGH CHANNEL 10**



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**

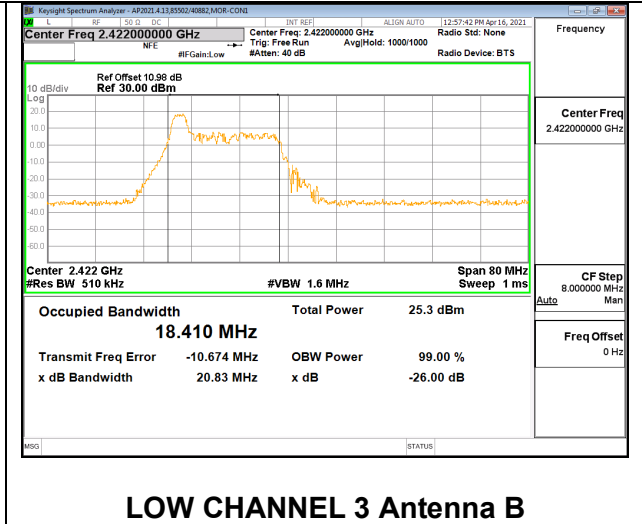
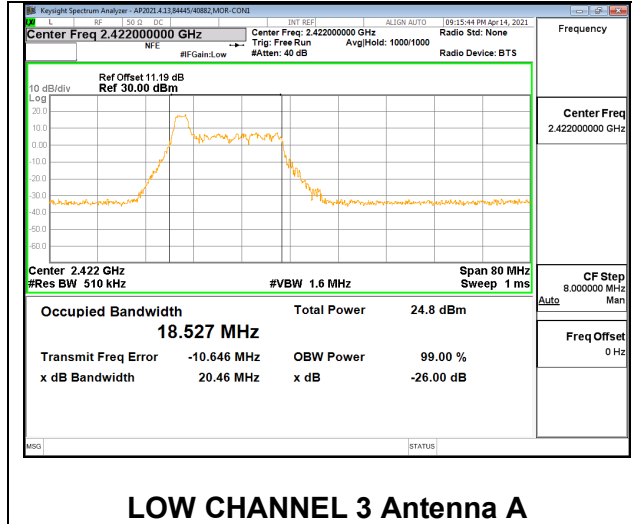


**HIGH CHANNEL 11 Antenna B**

**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 0**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Low 3	2422	18.527	18.410

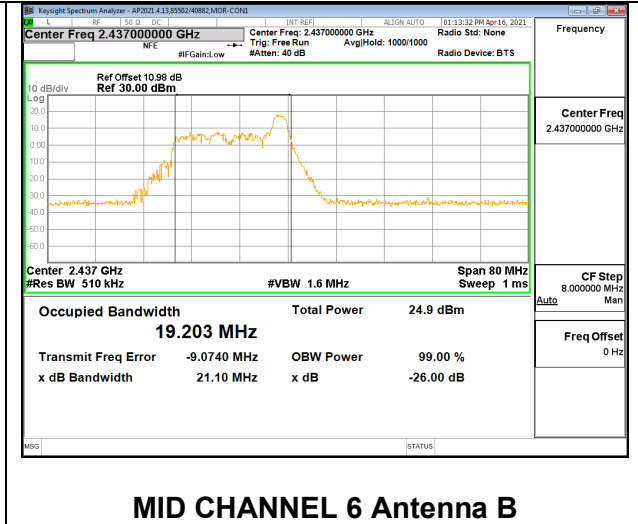
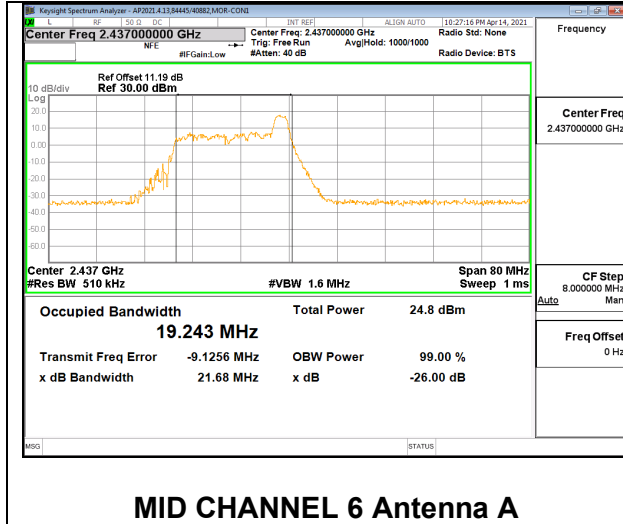
**LOW CHANNEL 3**



**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 8**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
Mid 6	2437	19.243	19.203

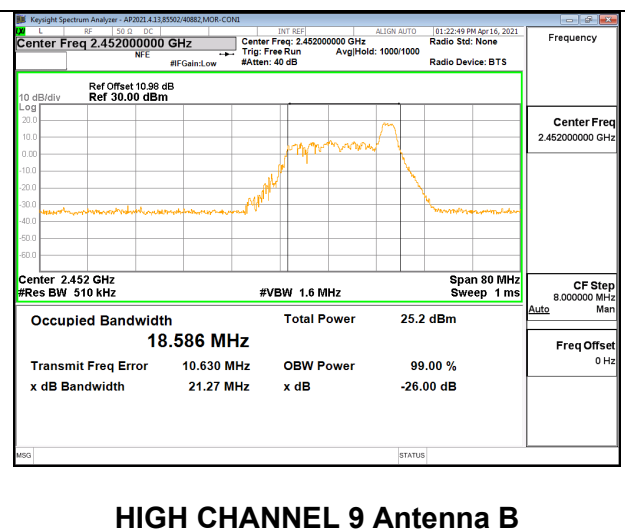
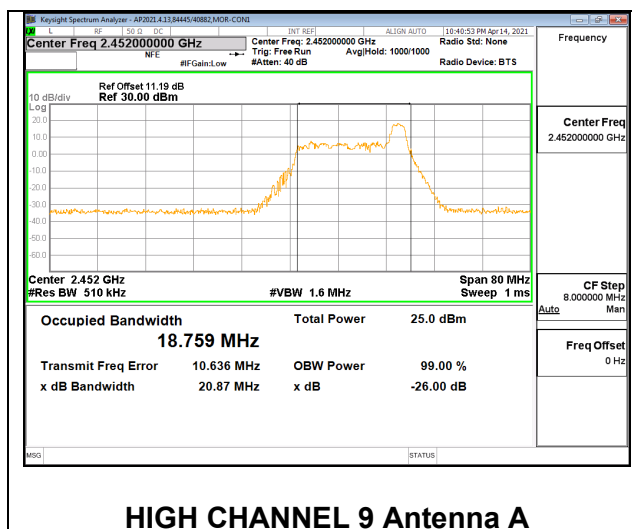
**MID CHANNEL 6**



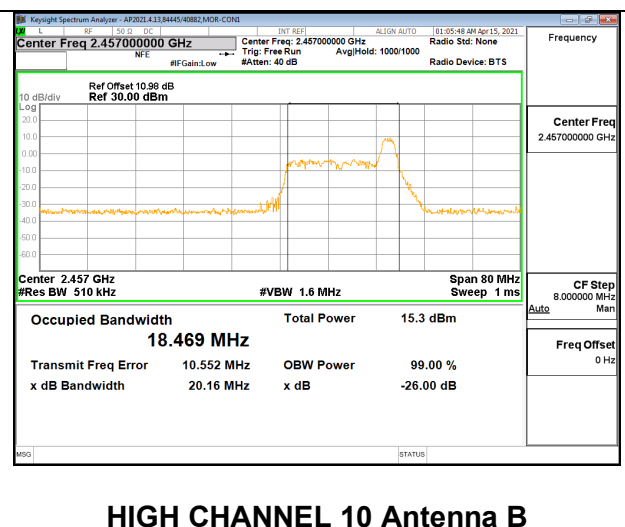
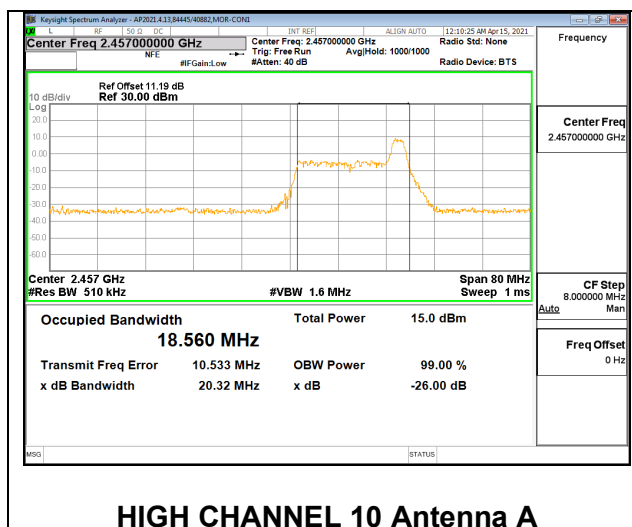
**2TX Antenna A + Antenna B OFDMA MODE: 26-Tones, RU Index 17**

Channel	Frequency (MHz)	99% Bandwidth ANT A (MHz)	99% Bandwidth ANT B (MHz)
High 9	2452	18.759	18.586
High 10	2457	18.560	18.469
High 11	2462	18.147	18.095

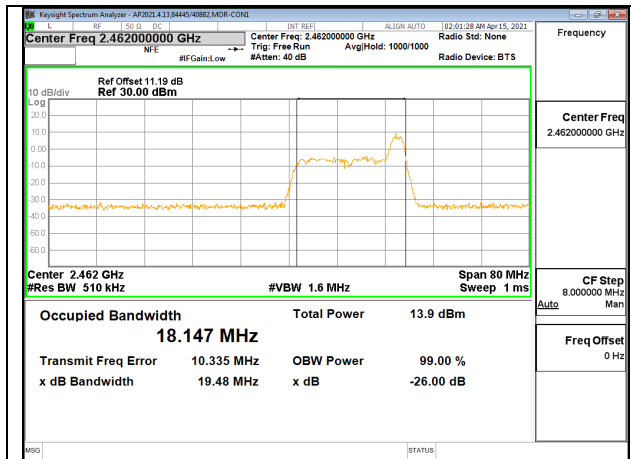
**HIGH CHANNEL 9**



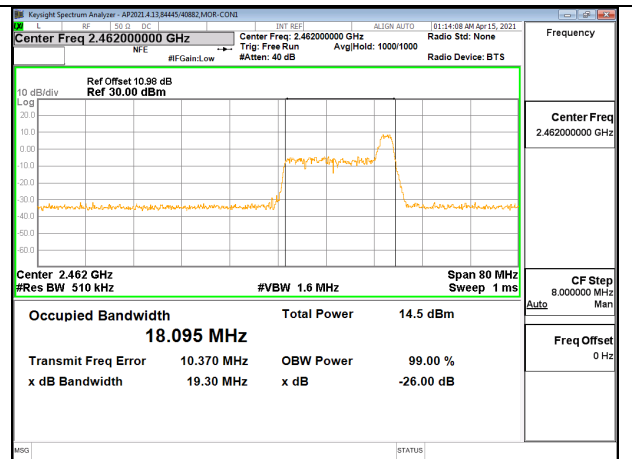
**HIGH CHANNEL 10**



### HIGH CHANNEL 11



**HIGH CHANNEL 11 Antenna A**



**HIGH CHANNEL 11 Antenna B**

## **9.4. POWER SPECTRAL DENSITY**

### **LIMITS**

FCC §15.407 (e)

RSS-247(5.2)(b)

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**



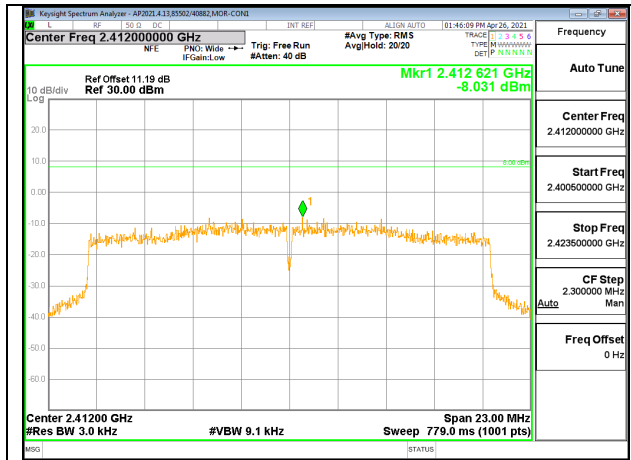
### 9.4.1. 802.11ax HE20 MODE 2TX

#### 2TX Antenna A + Antenna B OFDMA MODE: SU, Single User

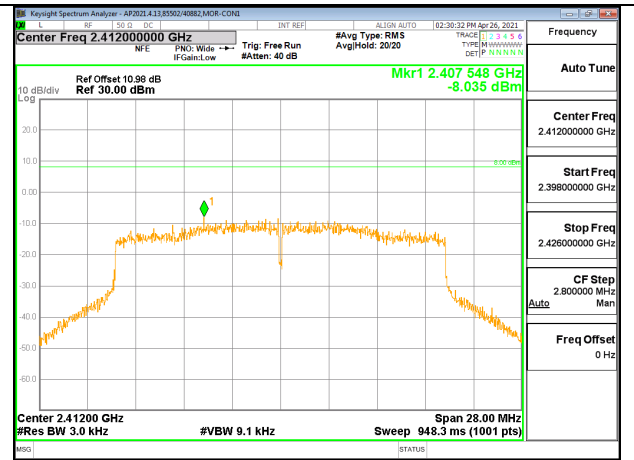
##### PSD Results

Channel	Frequency (MHz)	ANT A Meas (dBm/ 3kHz)	ANT B Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-8.03	-8.04	-5.02	8.0	-13.0
Mid 6	2437	-11.02	-10.62	-7.80	8.0	-15.8
High 11	2462	-10.00	-9.65	-6.81	8.0	-14.8
High 12	2467	-12.06	-11.74	-8.88	8.0	-16.9
High 13	2472	-17.92	-17.35	-14.61	8.0	-22.6

#### LOW CHANNEL 1



LOW CHANNEL 1 Antenna A



LOW CHANNEL 1 Antenna B