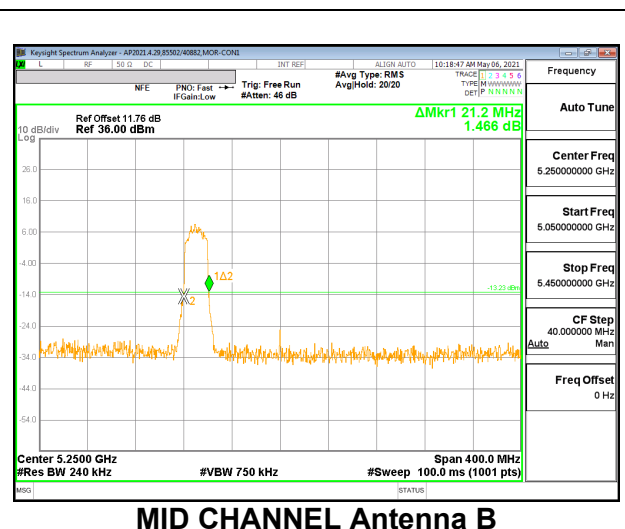
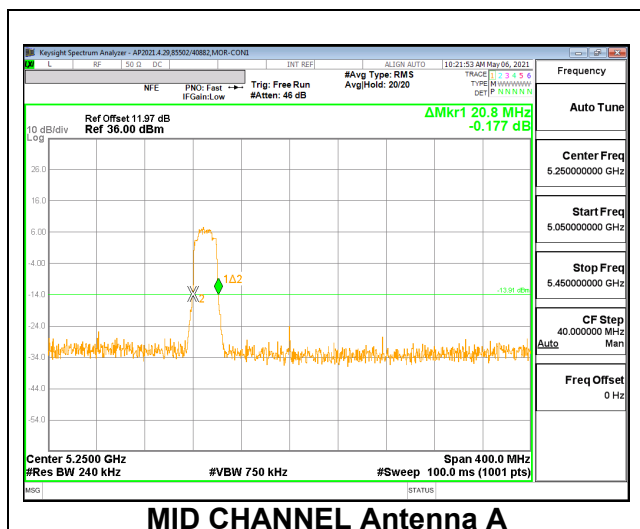


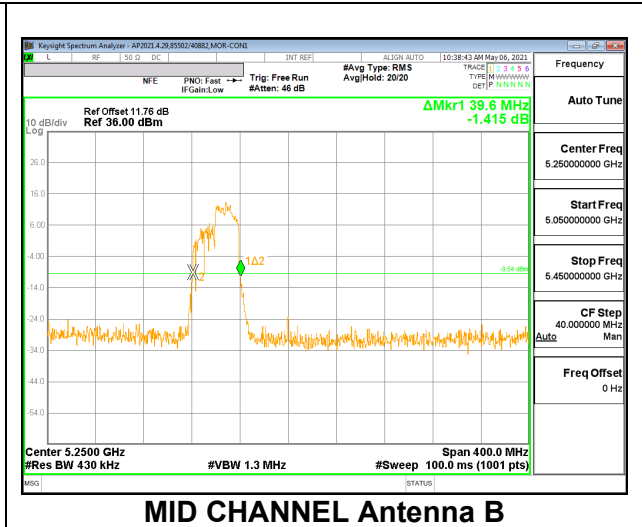
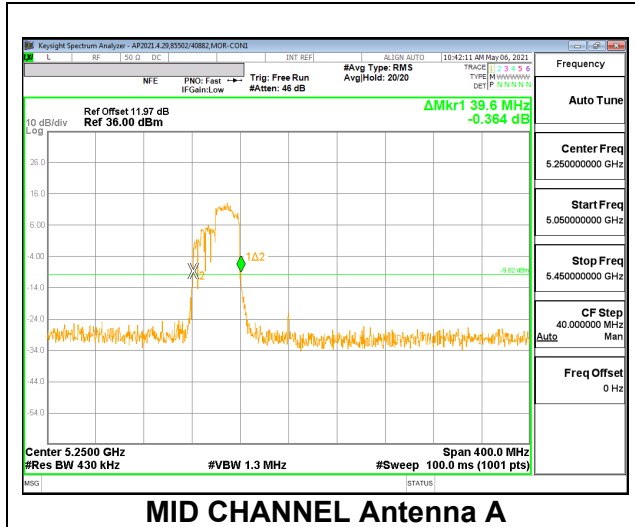
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 61**

Channel	Frequency (MHz)	26 dB Bandwidth Antenna A (MHz)	26 dB Bandwidth Antenna B (MHz)
Mid	5250	20.80	21.20



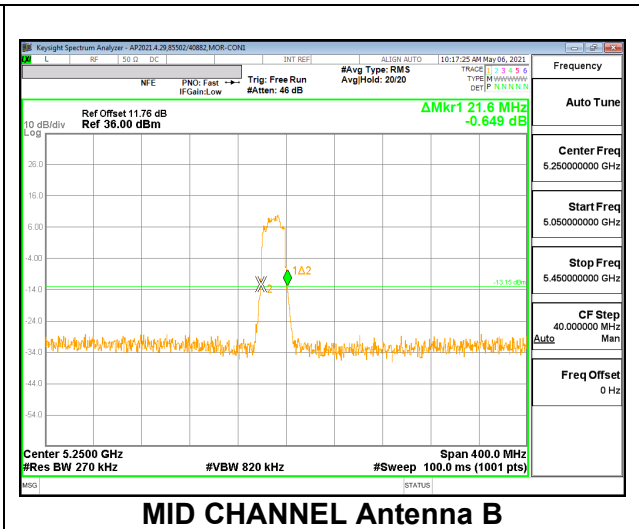
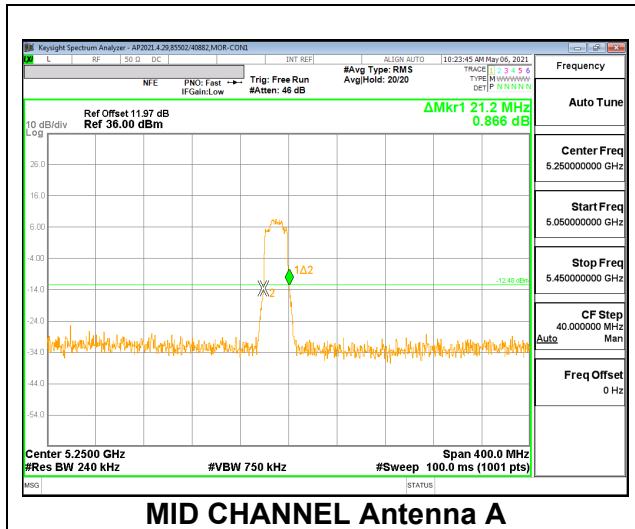
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 62**

Channel	Frequency (MHz)	26 dB Bandwidth Antenna A (MHz)	26 dB Bandwidth Antenna B (MHz)
Mid	5250	39.60	39.60



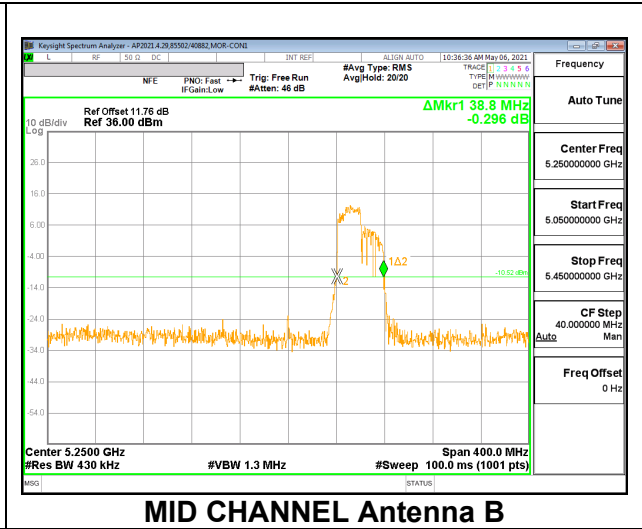
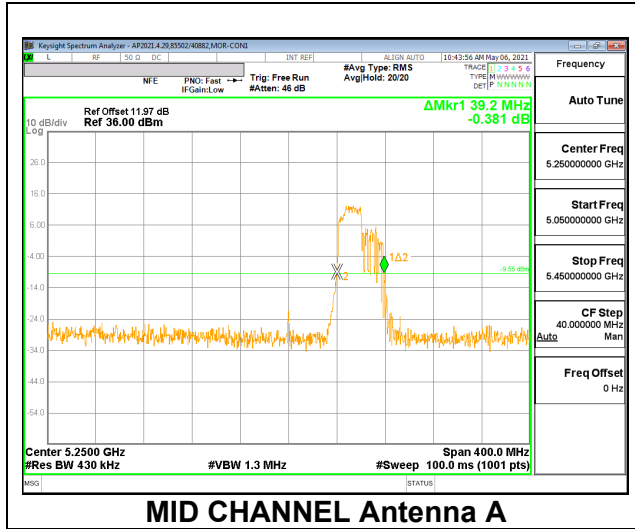
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 64**

Channel	Frequency (MHz)	26 dB Bandwidth Antenna A (MHz)	26 dB Bandwidth Antenna B (MHz)
Mid	5250	21.20	21.60



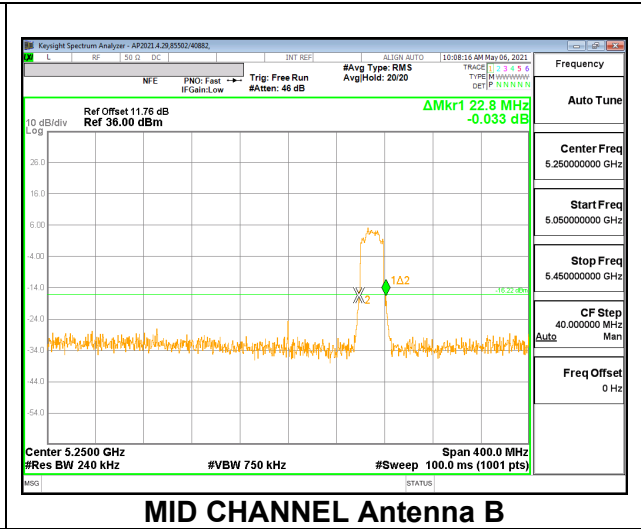
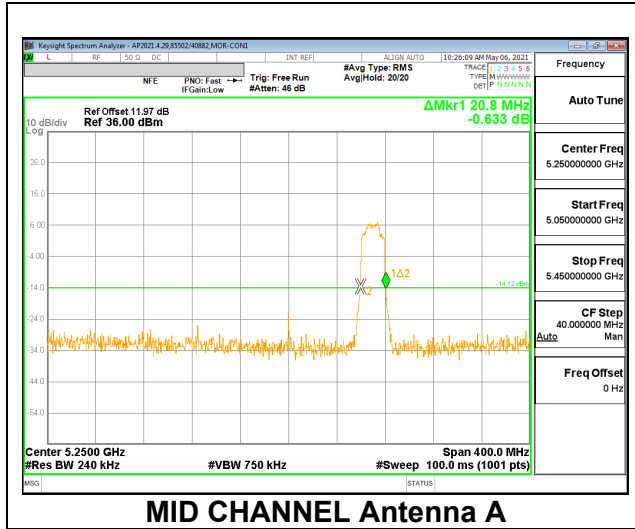
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index S63**

Channel	Frequency (MHz)	26 dB Bandwidth Antenna A (MHz)	26 dB Bandwidth Antenna B (MHz)
Mid	5250	39.20	38.80



**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index S64**

Channel	Frequency (MHz)	26 dB Bandwidth Antenna A (MHz)	26 dB Bandwidth Antenna B (MHz)
Mid	5250	20.80	22.80



### 9.3. 99% BANDWIDTH LIMITS

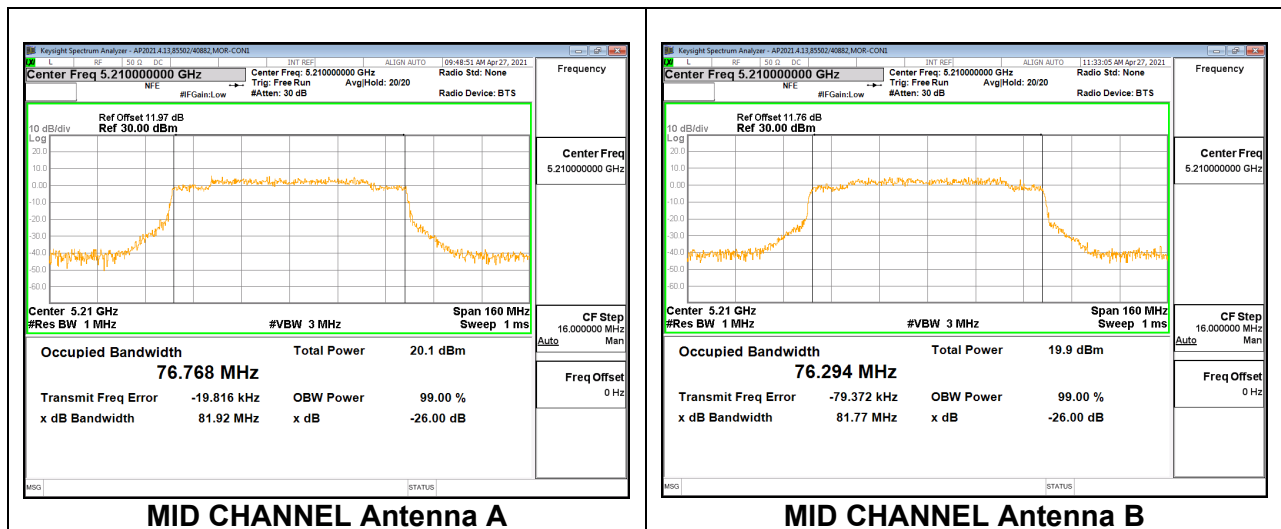
None; for reporting purposes only.

### RESULTS

#### 9.3.1. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND

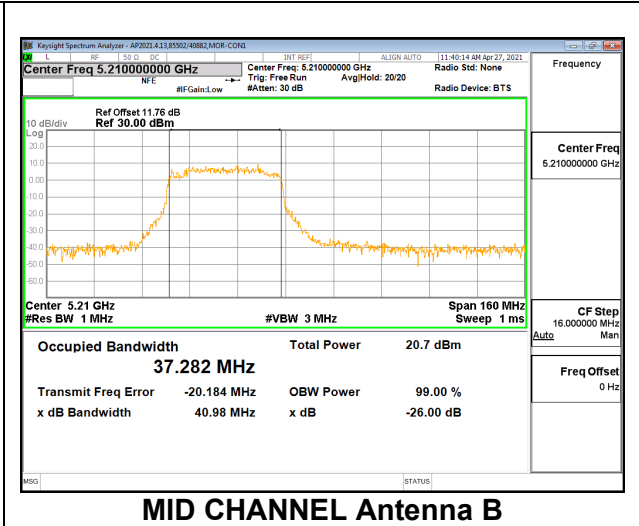
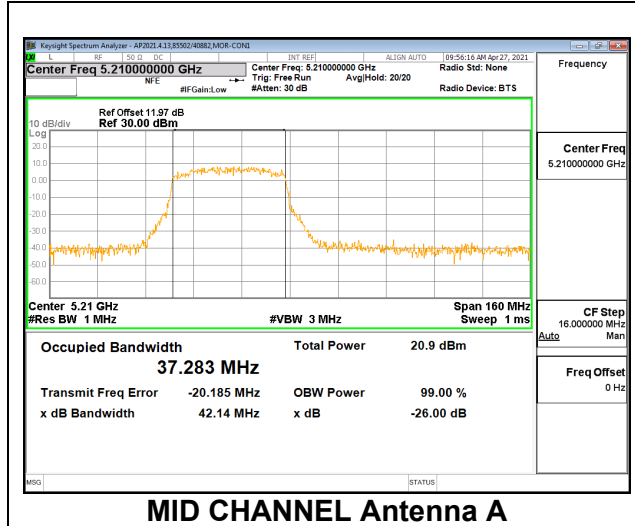
#### 2TX Antenna A + Antenna B SDM OFDMA MODE: SU, Single User

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	76.7680	76.2940



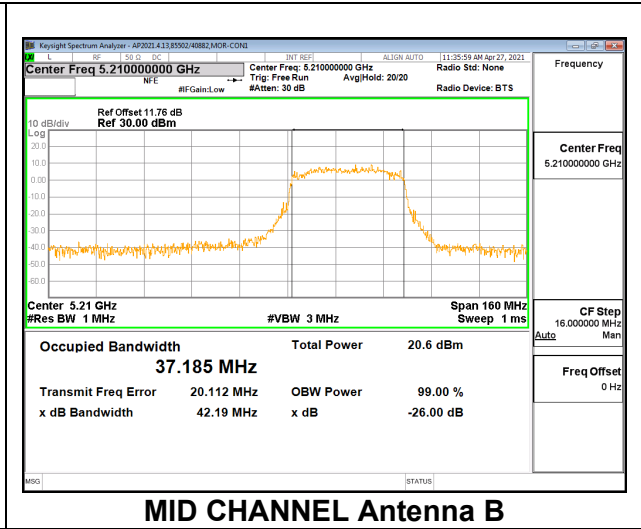
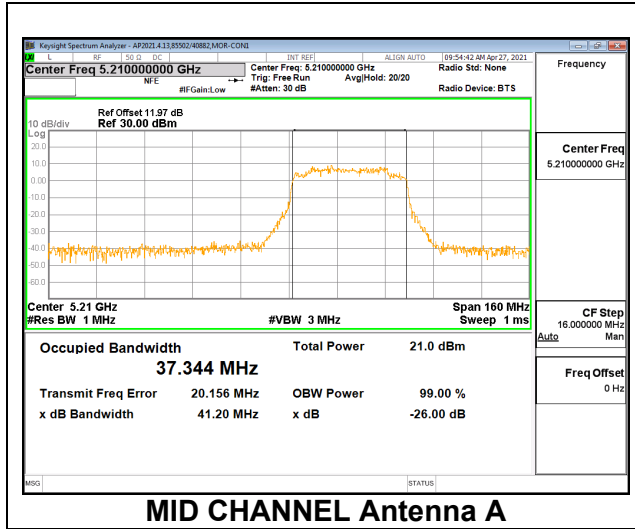
**2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 65**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	37.2830	37.2820



**2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 66**

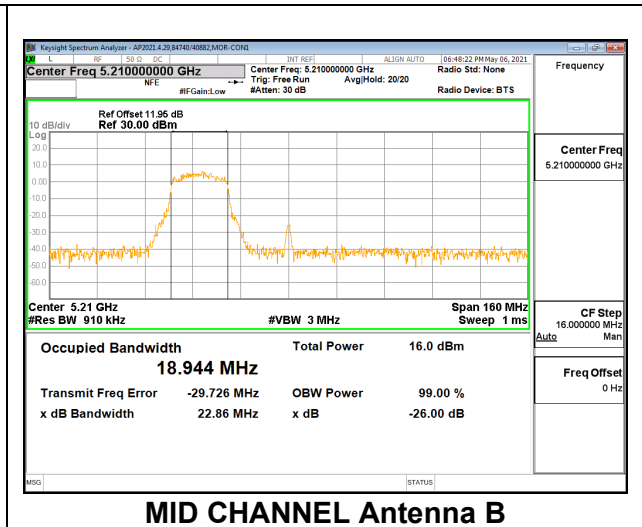
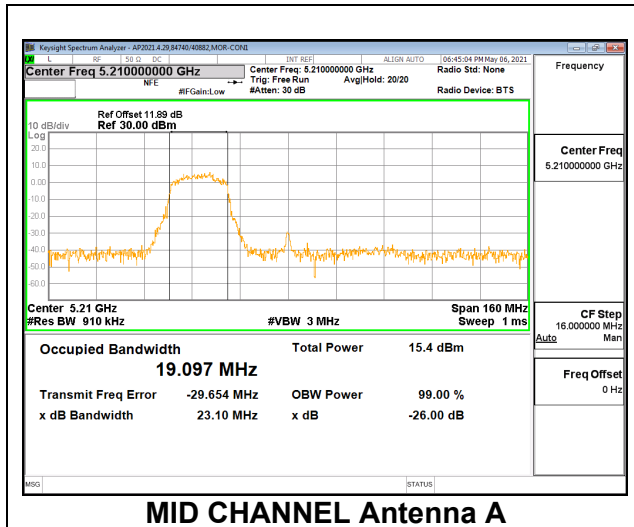
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	37.3440	37.1850





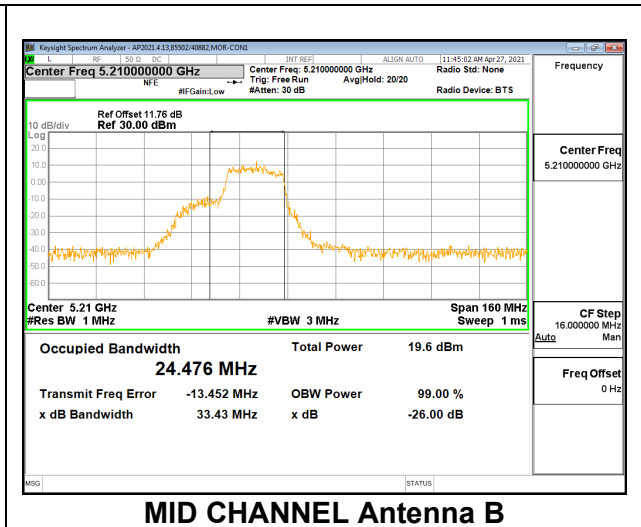
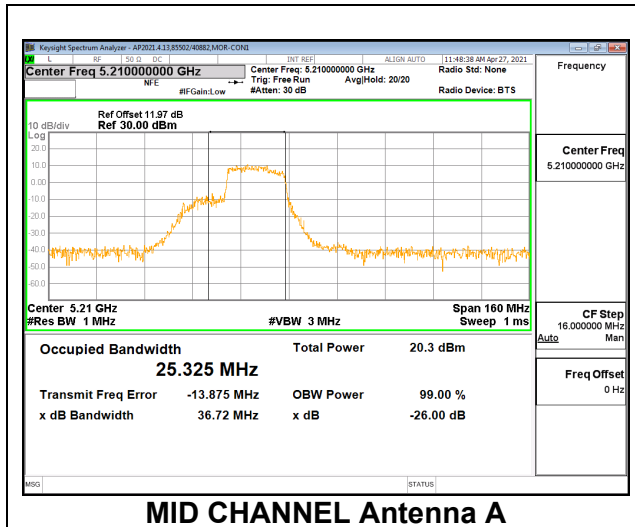
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 61**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	19.0970	18.9440



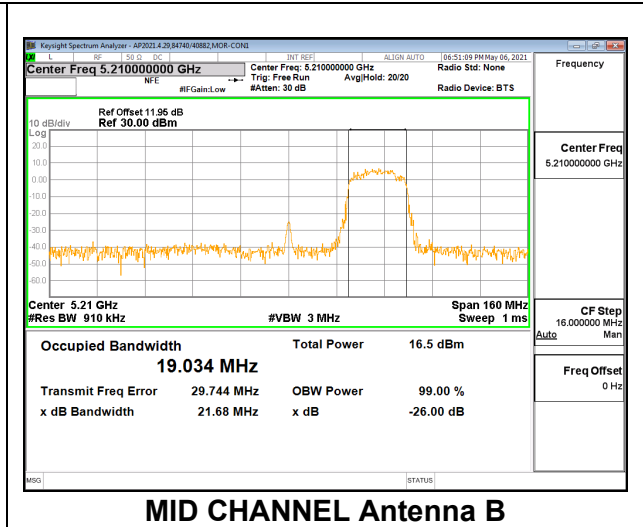
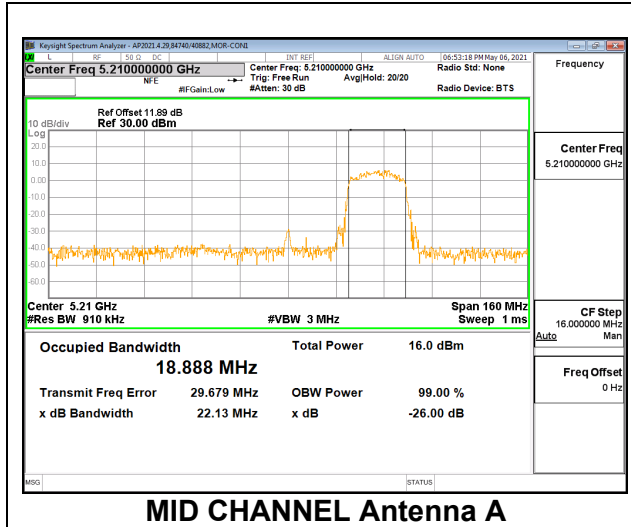
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 62**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	25.3250	24.4760



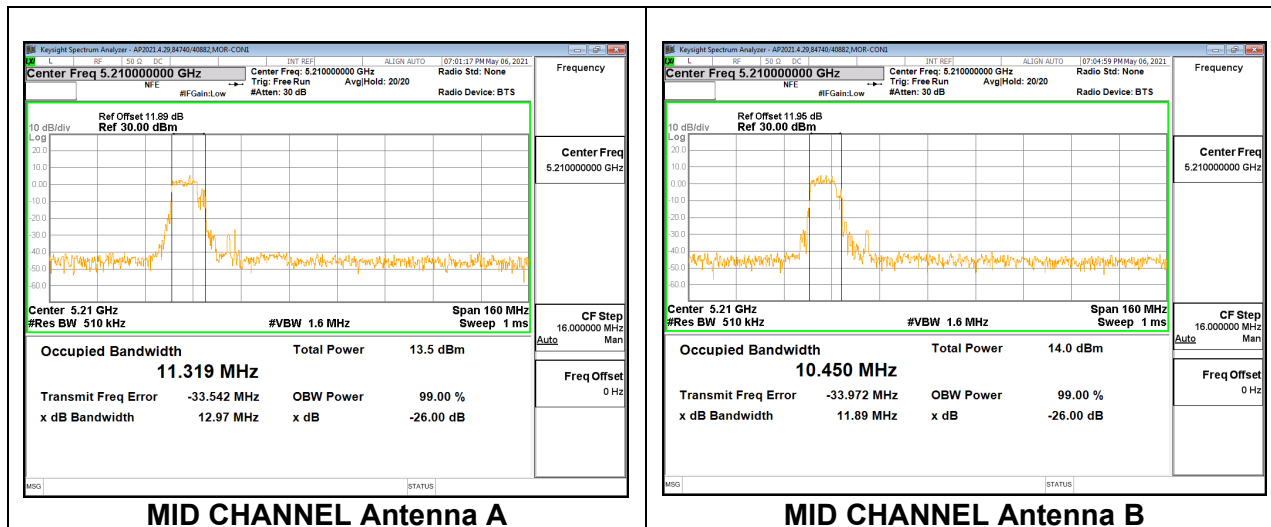
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 64**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	18.8880	19.0340



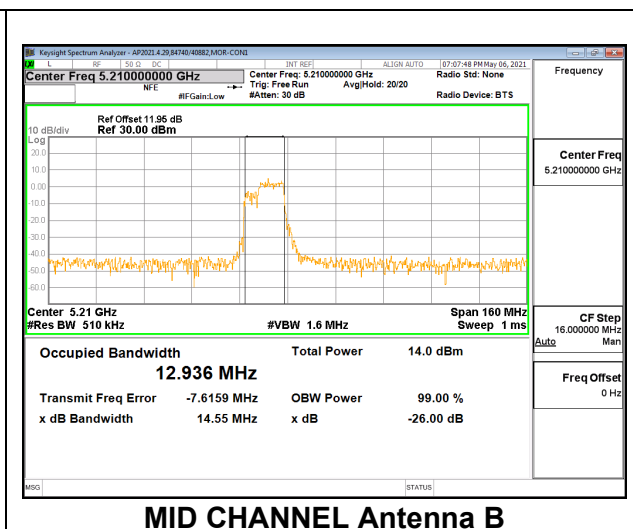
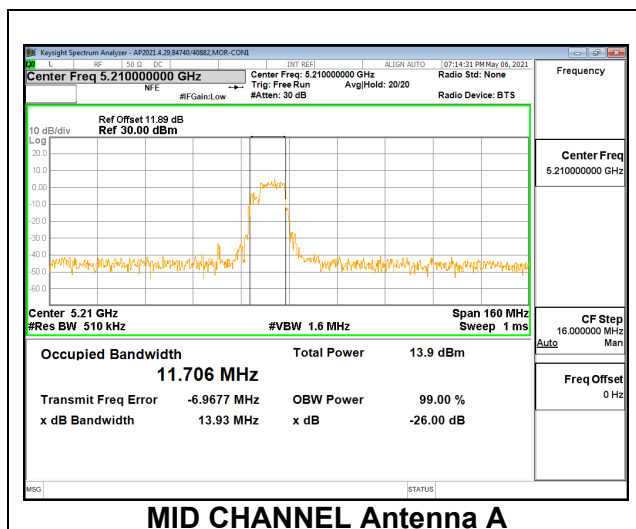
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 53**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	11.3190	10.4500



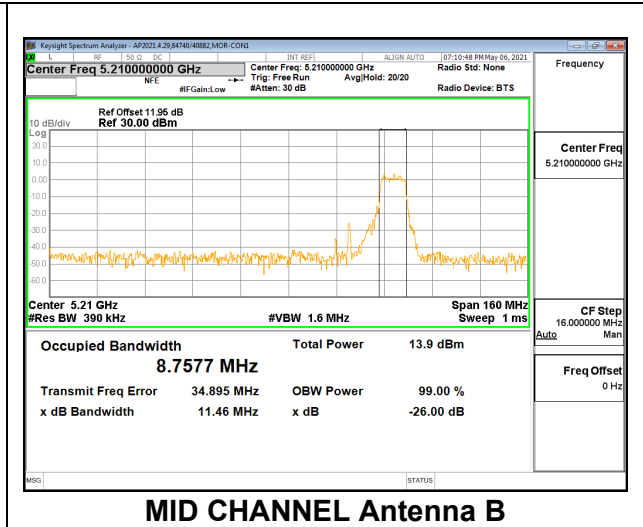
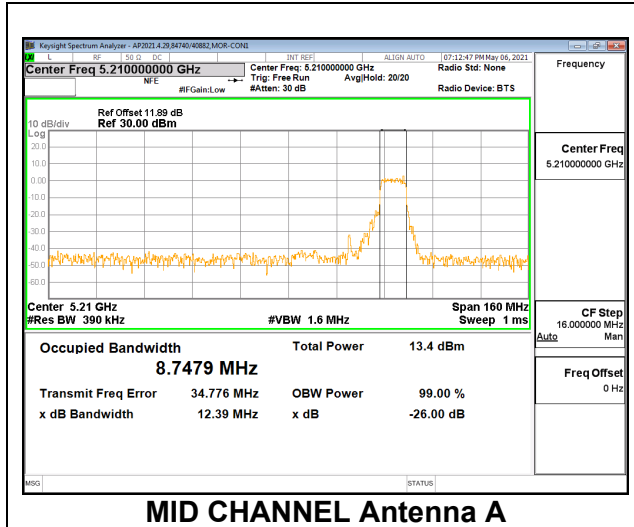
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 56**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	11.7060	12.9360



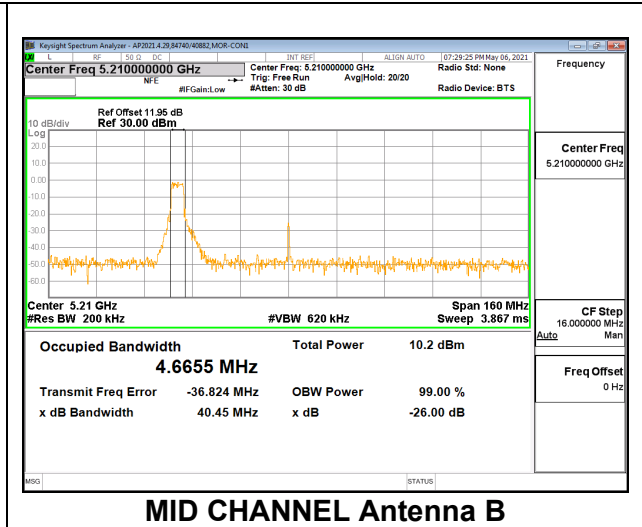
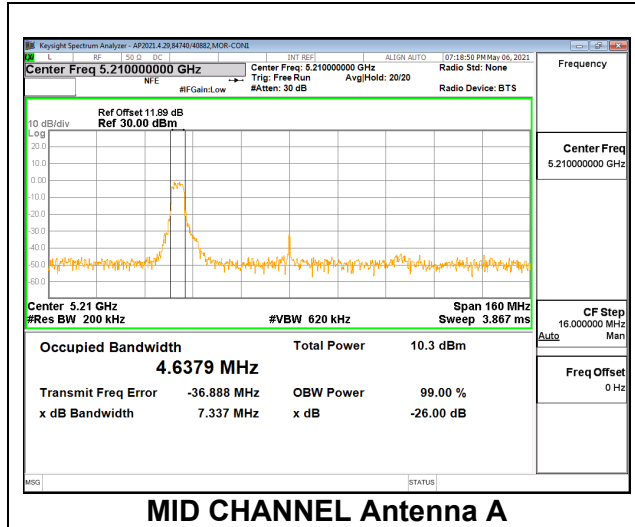
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 60**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	8.7479	8.7577



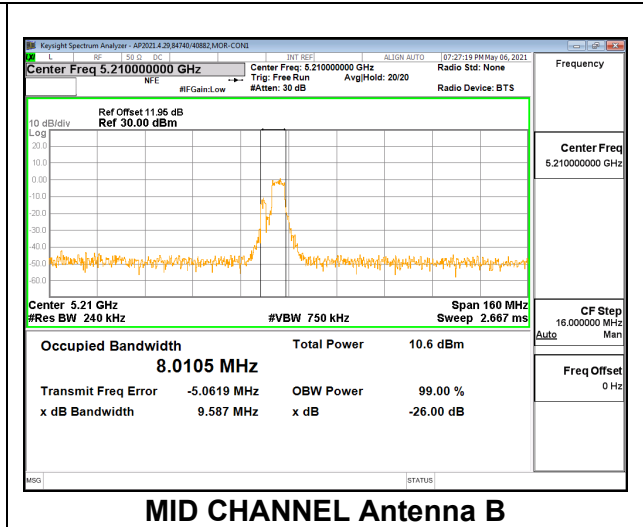
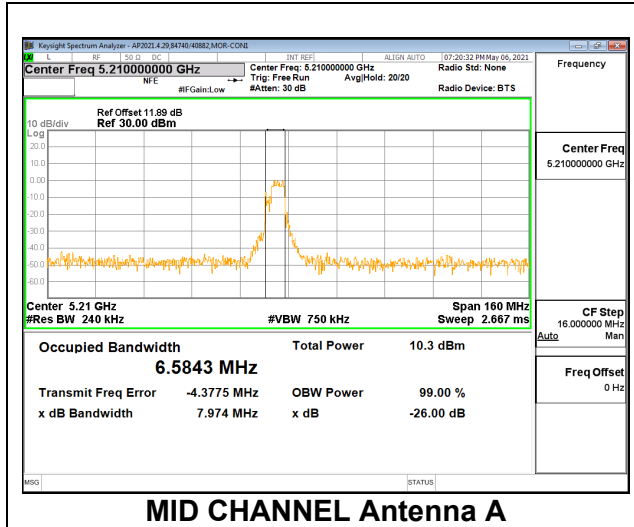
**2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 37**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	4.6379	4.6655



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

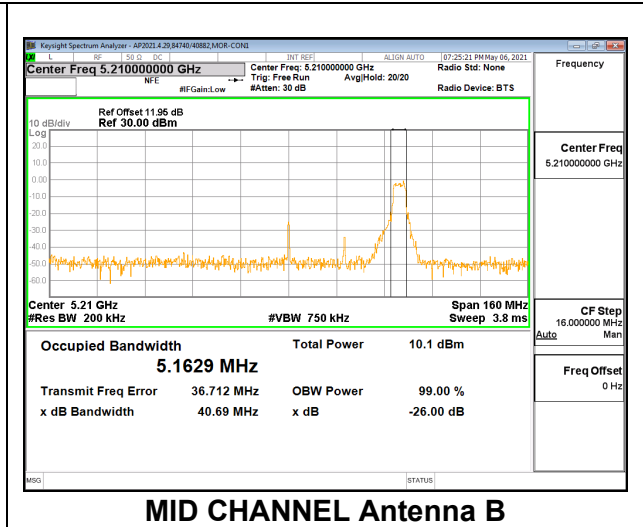
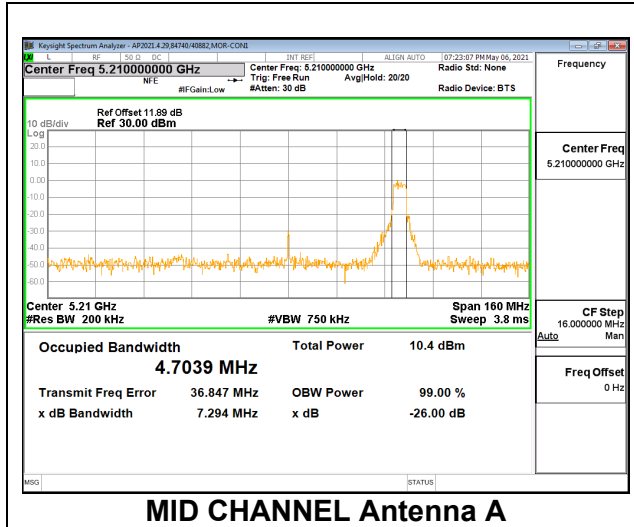
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	6.5843	8.0105





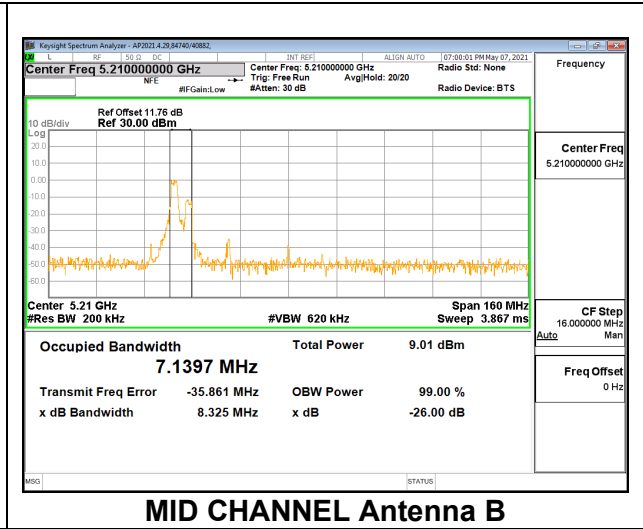
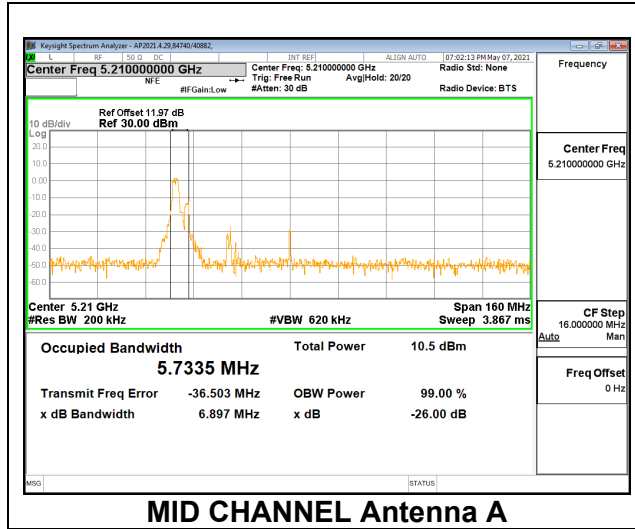
**2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 52**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	4.7039	5.1629



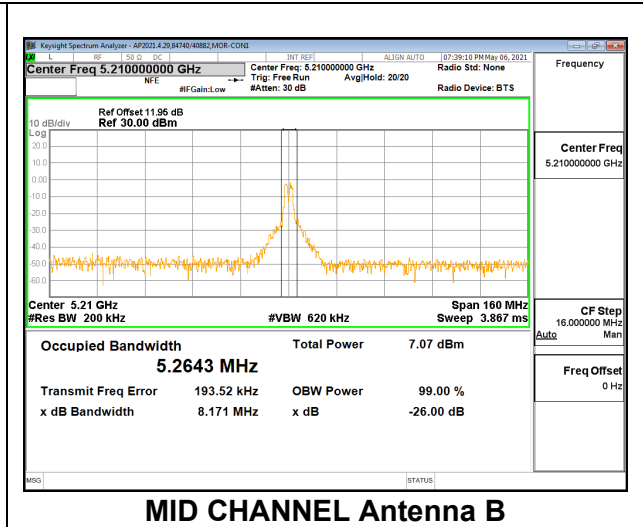
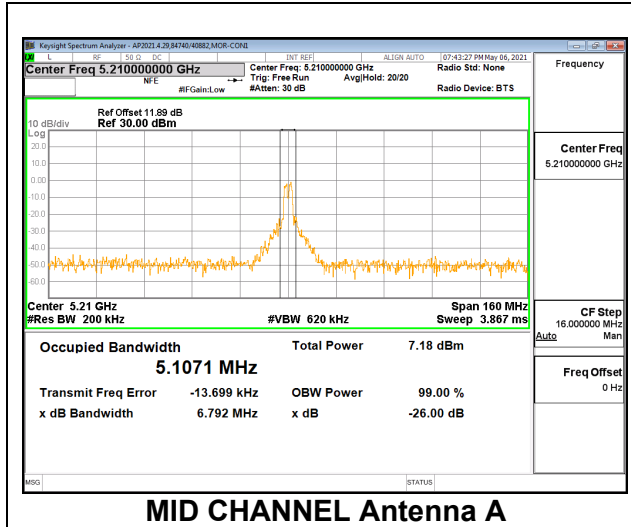
**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 0**

Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
5210	5.7335	7.1397



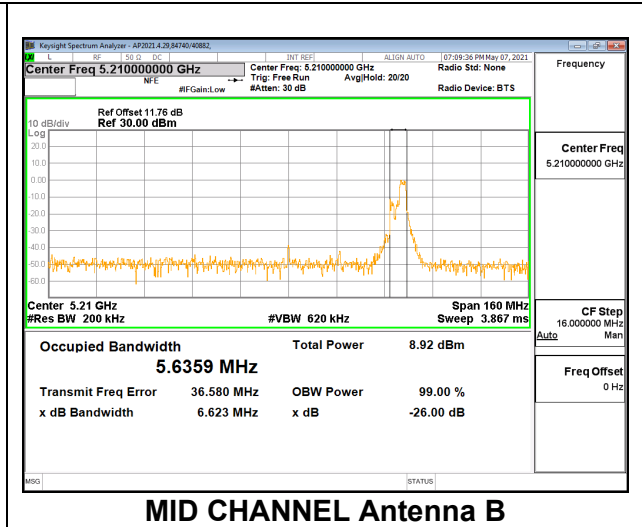
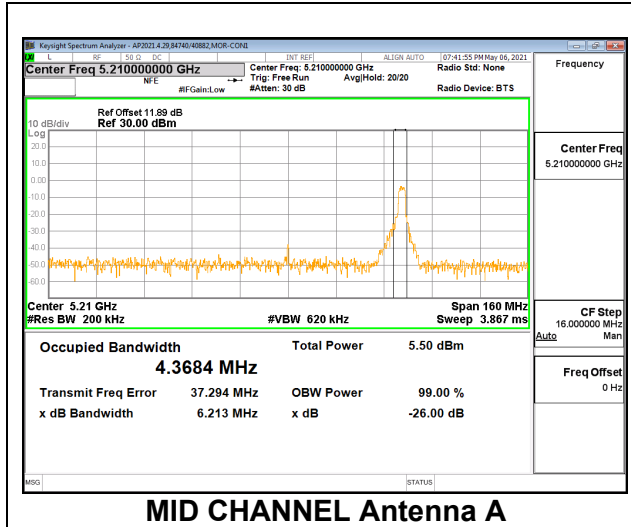
**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 18**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	5.1071	5.2643



**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 36**

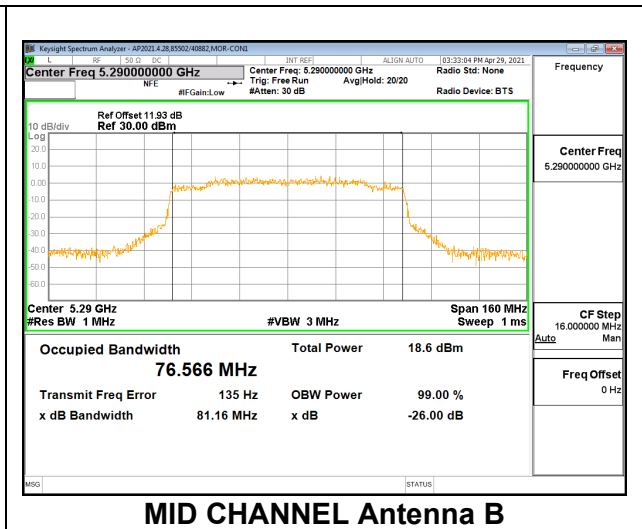
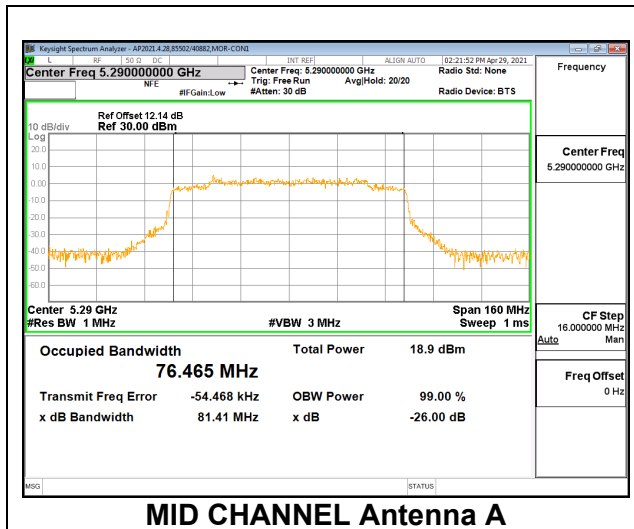
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5210	4.3684	5.6359



### 9.3.2. 802.11ax HE80 MODE 2TX IN THE 5.3GHZ BAND

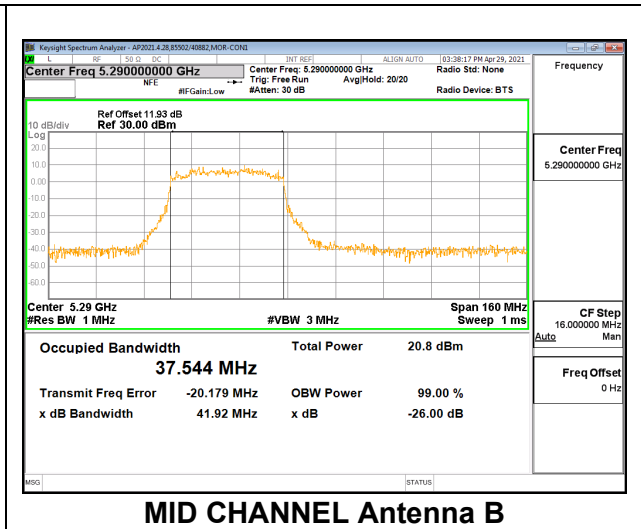
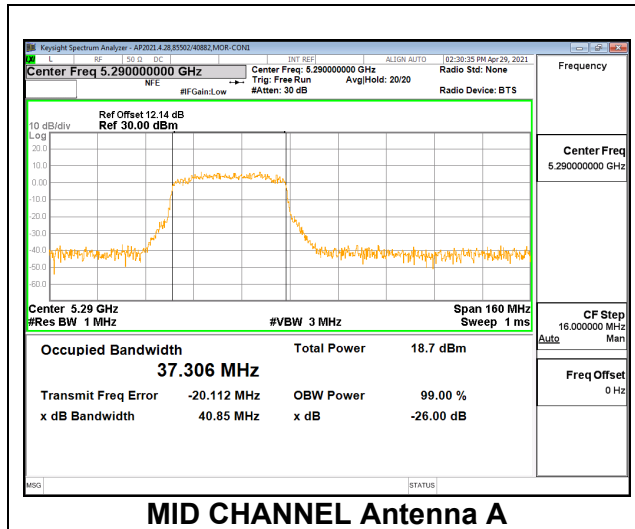
#### 2TX Antenna A + Antenna B SDM OFDMA MODE: SU, Single User

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	76.4650	76.5660



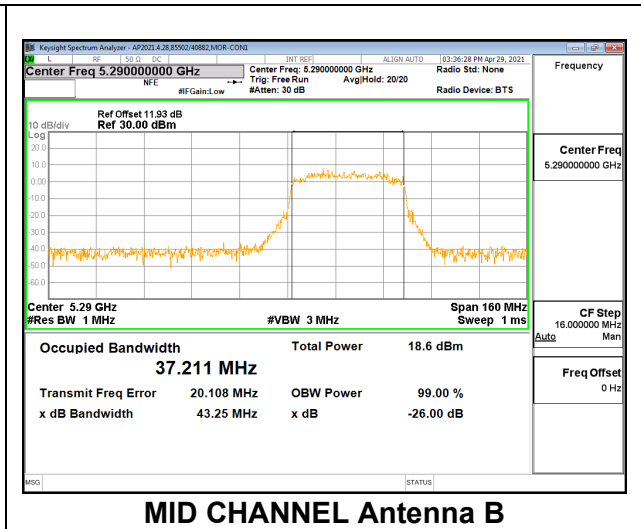
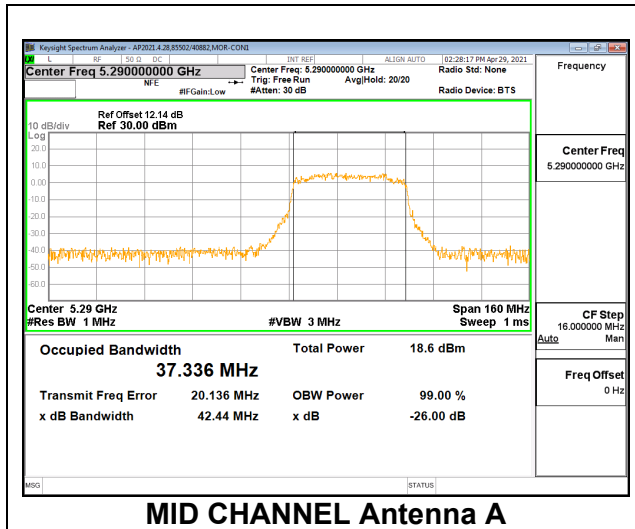
**2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 65**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	37.3060	37.5440



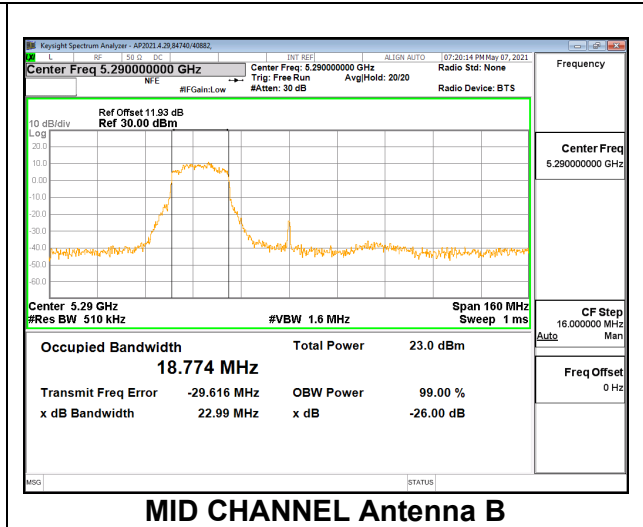
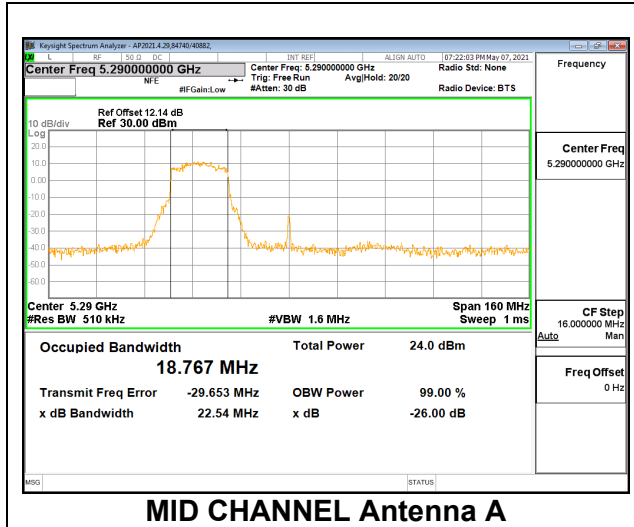
**2TX Antenna A + Antenna B SDM OFDMA MODE: 484-Tones, RU Index 66**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	37.3360	37.2110



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

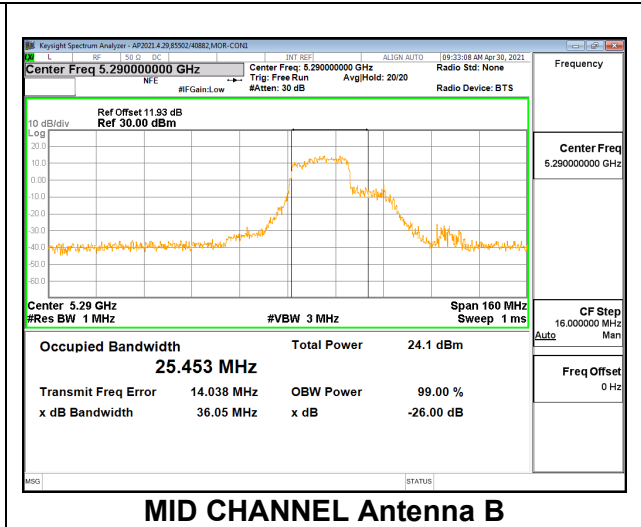
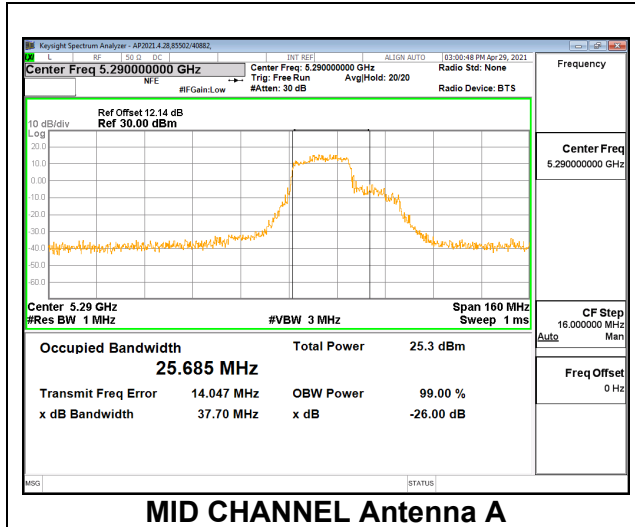
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	18.7670	18.7740





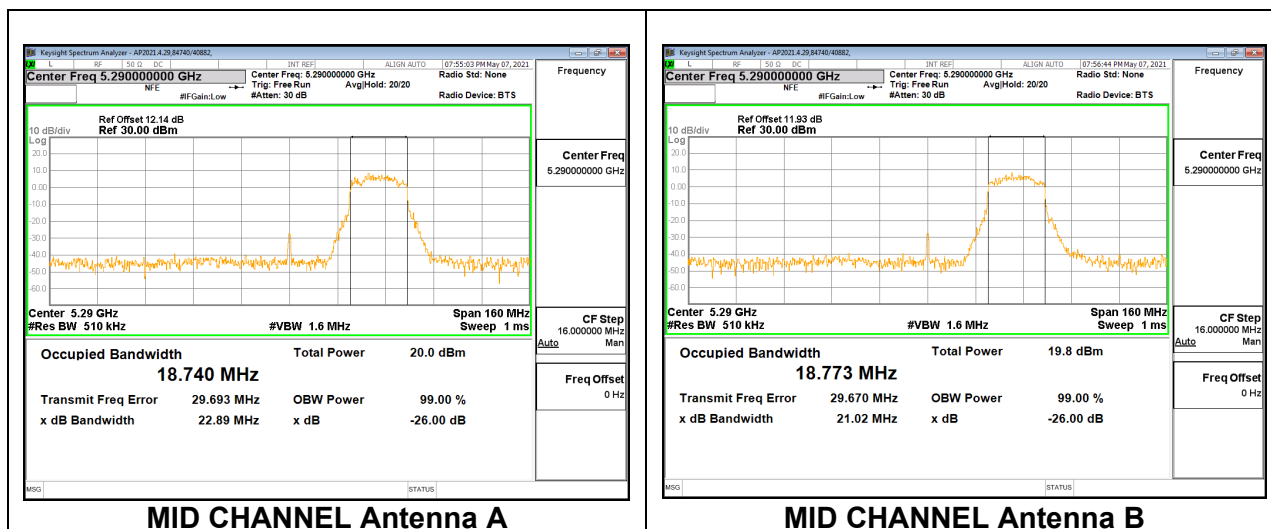
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 63**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	25.6850	25.4530



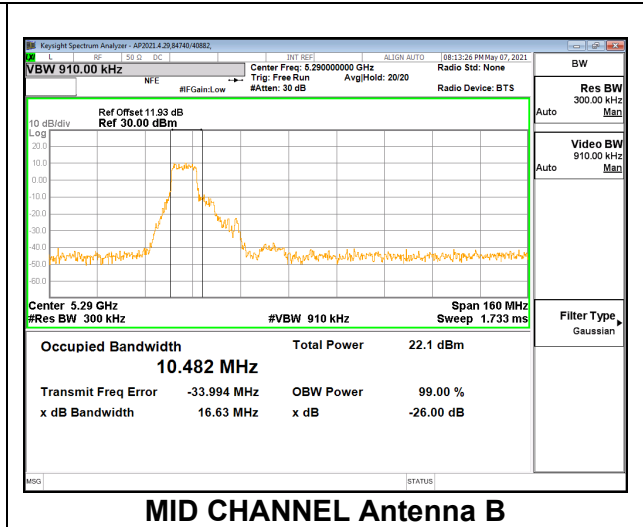
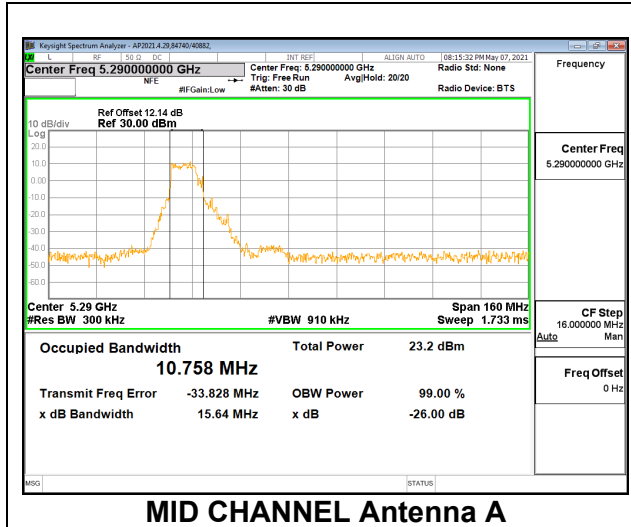
**2TX Antenna A + Antenna B SDM OFDMA MODE: 242-Tones, RU Index 64**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	18.7400	18.7730



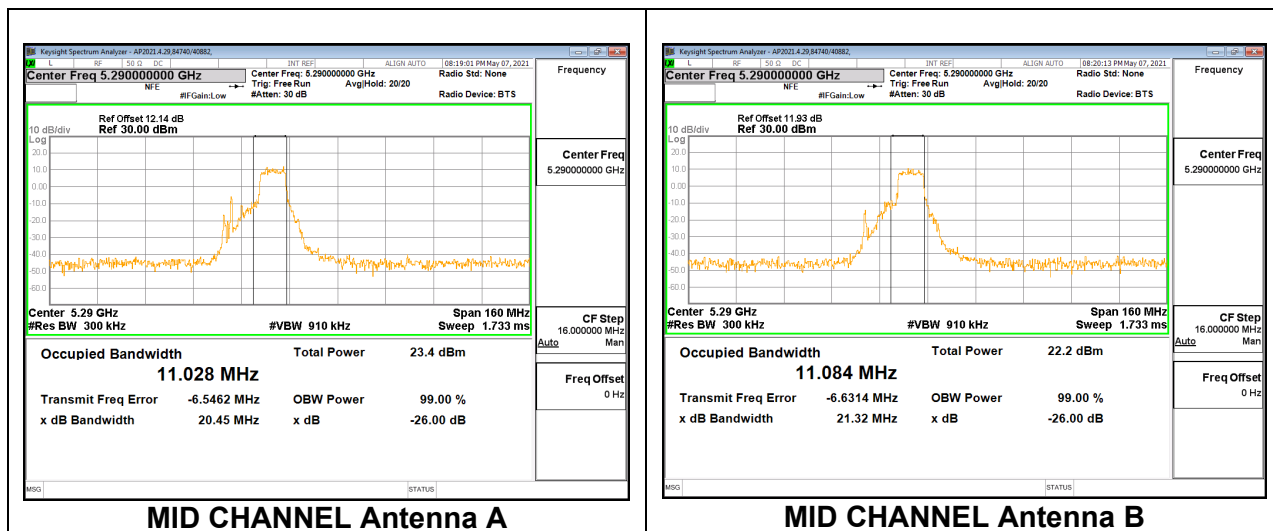
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 53**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	10.7580	10.4820



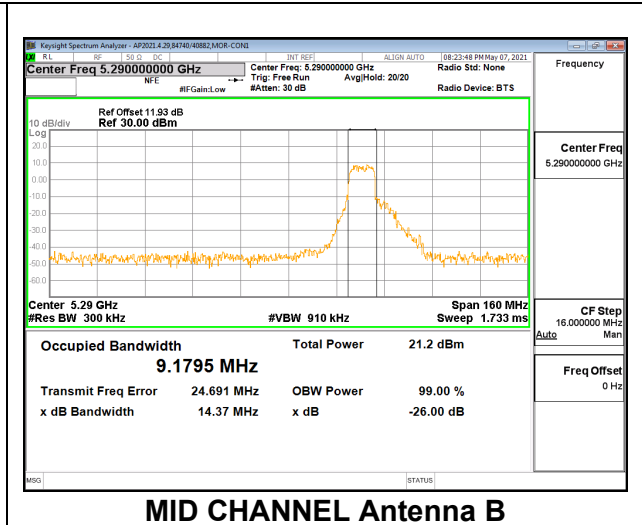
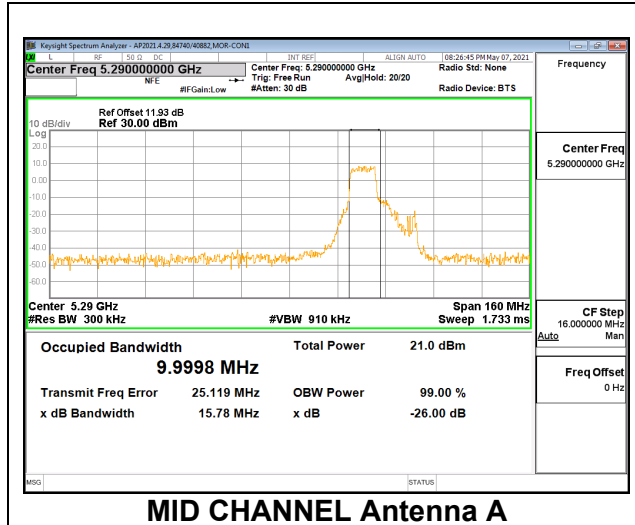
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 56**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	11.0280	11.0840



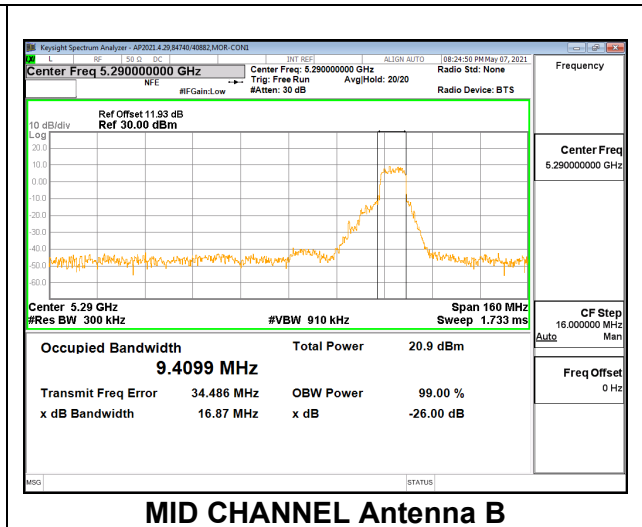
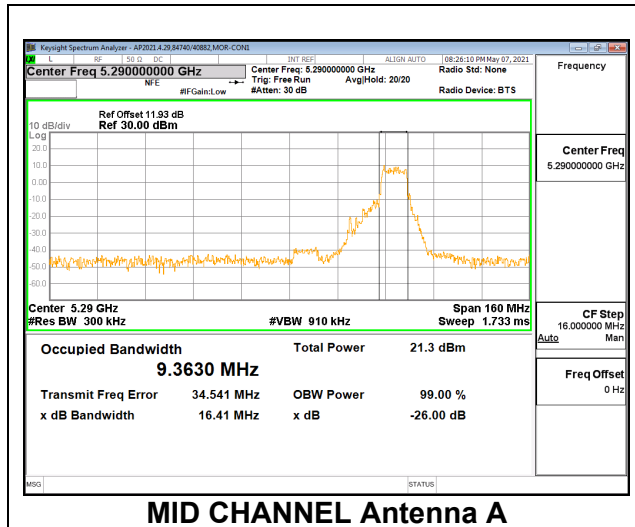
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 59**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	9.9998	9.1795



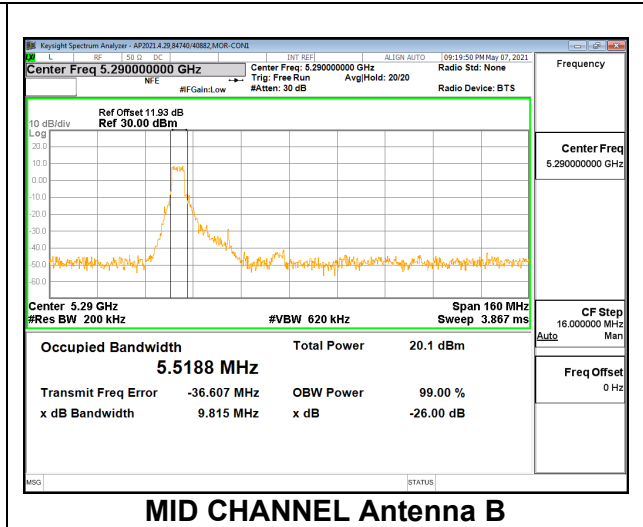
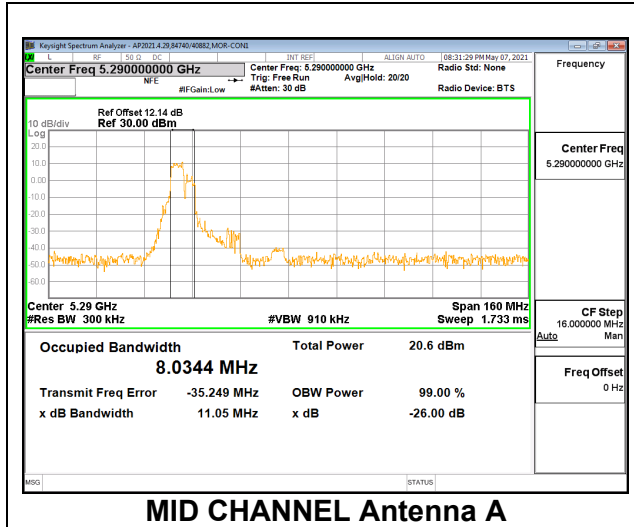
**2TX Antenna A + Antenna B SDM OFDMA MODE: 106-Tones, RU Index 60**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	9.3630	9.4099



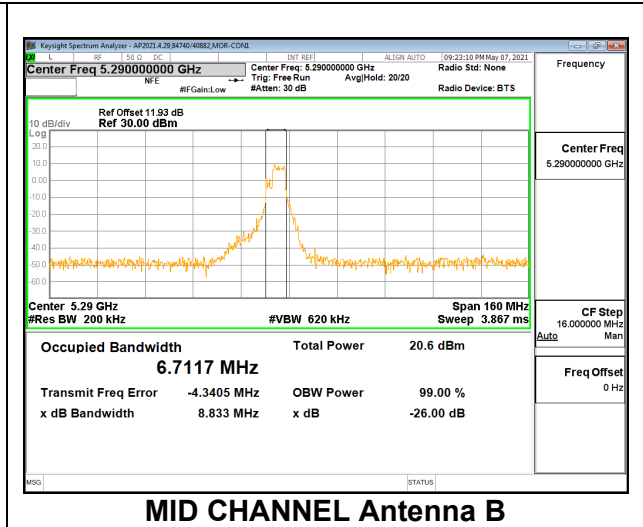
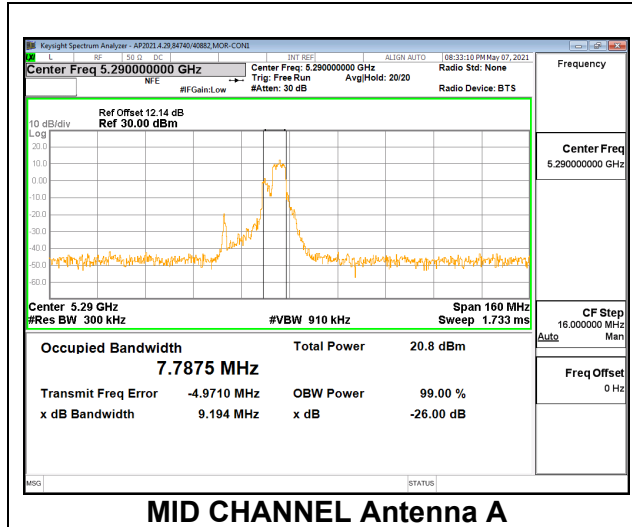
**2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 37**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	8.0344	5.5188



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

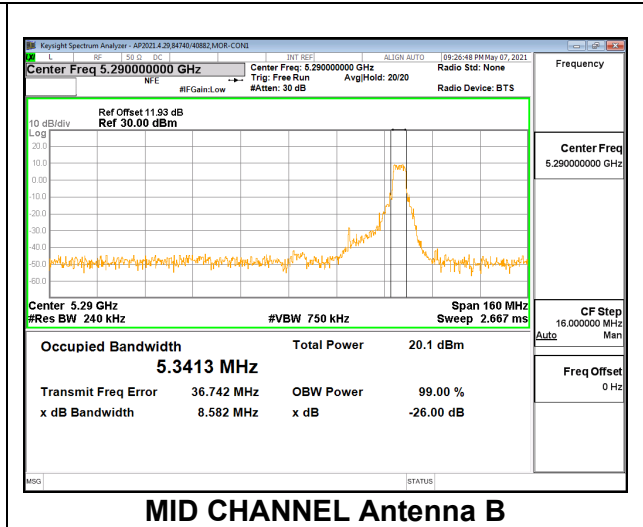
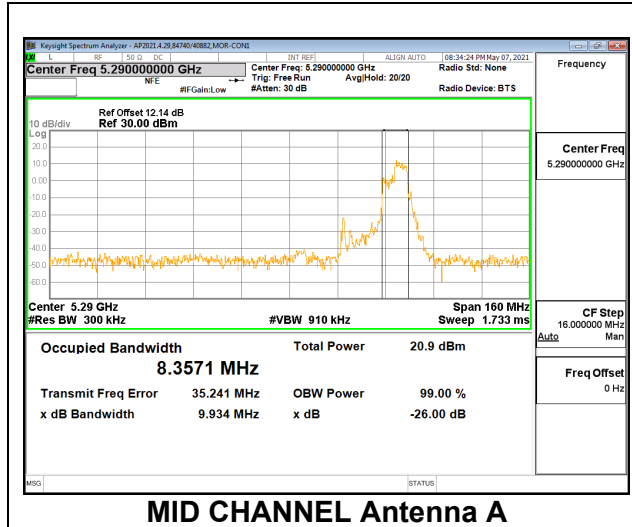
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	7.7875	6.7117





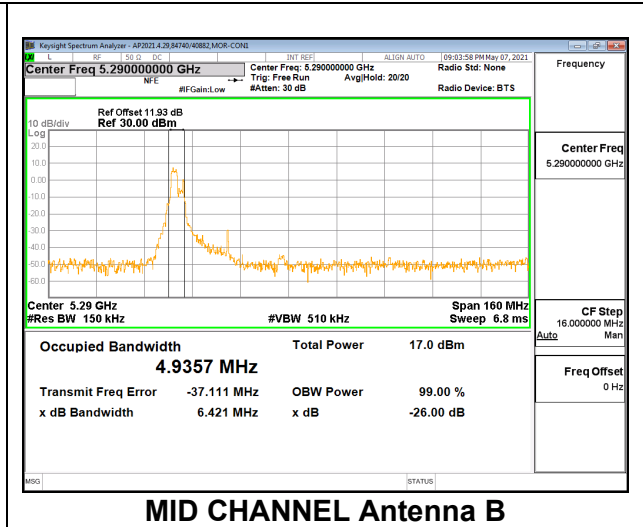
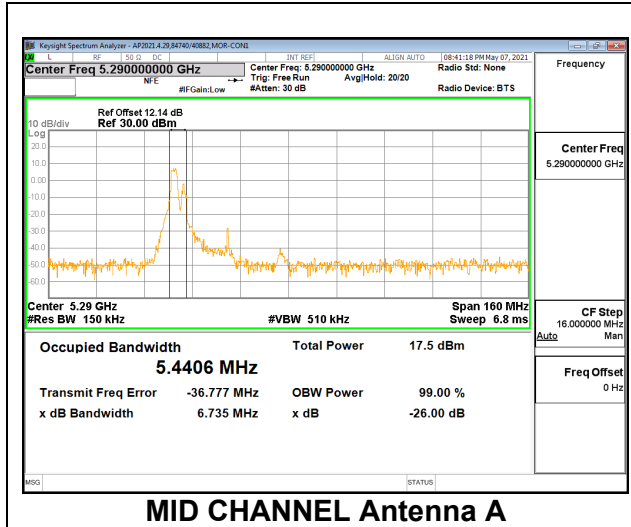
**2TX Antenna A + Antenna B SDM OFDMA MODE: 52-Tones, RU Index 52**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	8.3571	5.4313



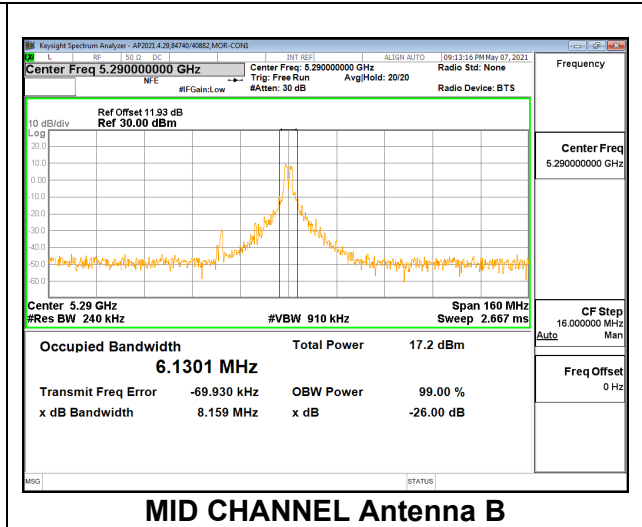
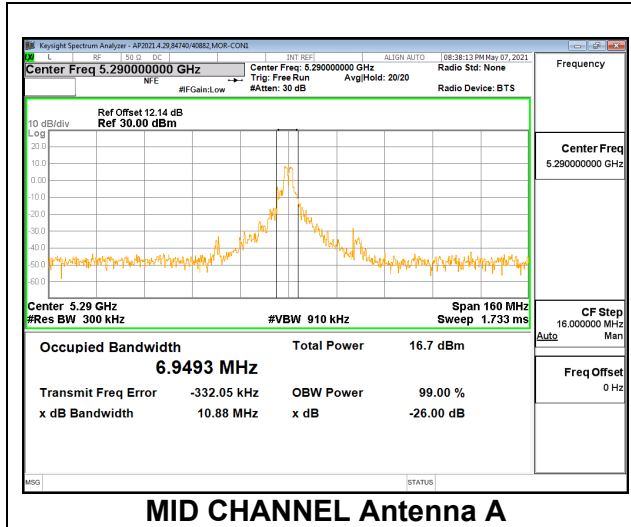
**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 0**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	5.4406	4.9357



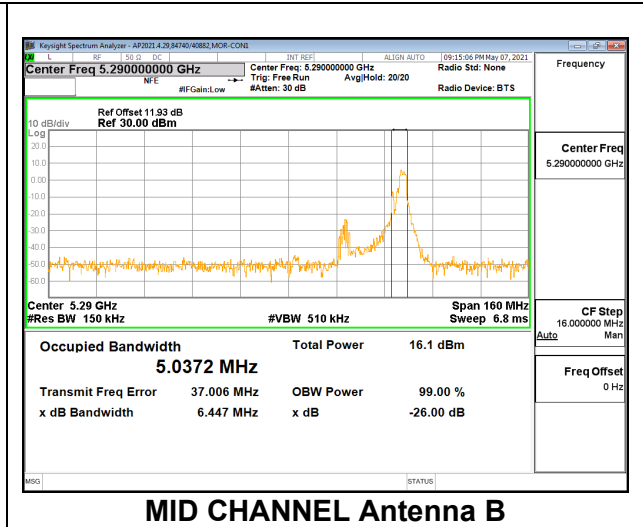
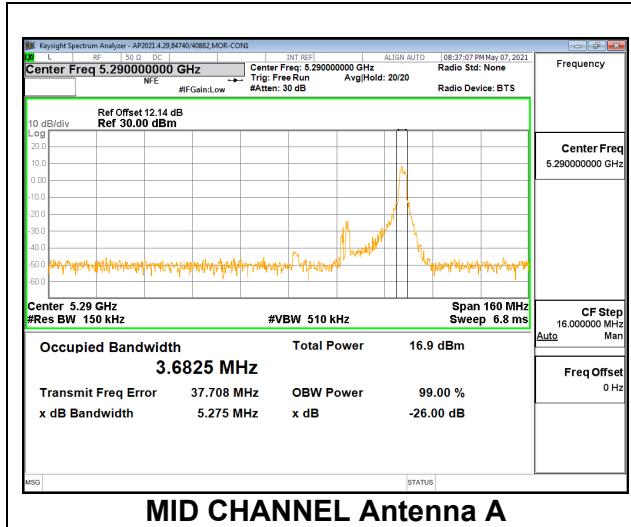
**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 18**

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	6.9493	6.1301



**2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 36**

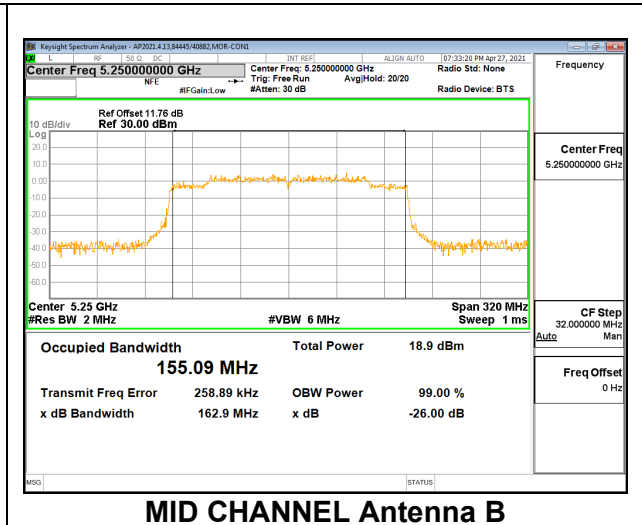
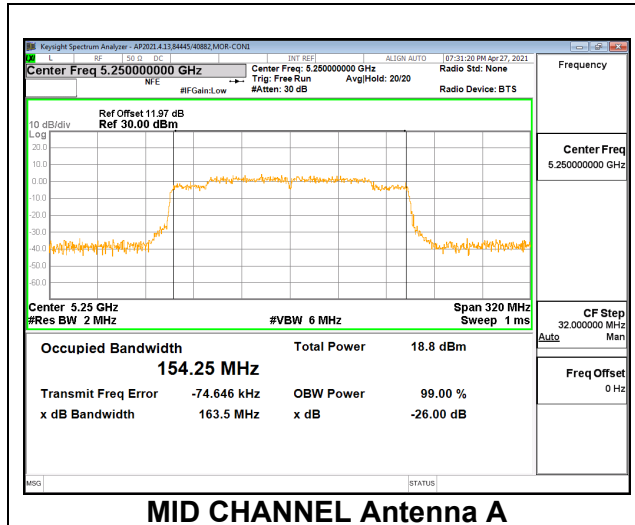
Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5290	3.6825	5.0372



### 9.3.3. 802.11ax HE160 MODE 2TX IN THE 5.2GHz & 5.3GHz BAND

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

Channel	Frequency (MHz)	99% Bandwidth Antenna A (MHz)	99% Bandwidth Antenna B (MHz)
Mid	5250	154.2500	155.0900



## 9.4. OUTPUT POWER AND PSD

### LIMITS

#### FCC §15.407

##### **Band 5.15–5.25 GHz**

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **Bands 5.25-5.35 GHz**

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### RSS-247

##### **Band 5.15-5.25 GHz**

The maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

##### **Band 5.25-5.35 GHz**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### **TEST PROCEDURE**

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

**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:

Tx antennas are uncorrelated for power.

Tx antennas are uncorrelated for 11n/ac/ax PSD.

The directional gains are as follows:

Band (GHz)	ANT A Antenna Gain (dBi)	ANT B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	4.50	3.40	3.98	6.98
5.3	4.60	4.60	4.60	7.61
5.6	6.40	6.90	6.66	9.66
5.8	7.80	7.70	7.75	10.76

**RESULT**

### 9.4.1. 802.11ax HE80 MODE 1TX IN THE 5.2GHz BAND (FCC) MOBILE

#### 1TX Antenna A OFDMA MODE: SU, Single User

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28, 2021-04-30

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	81.80	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.12	<b>Included in Calculations of Corr'd PSD</b>
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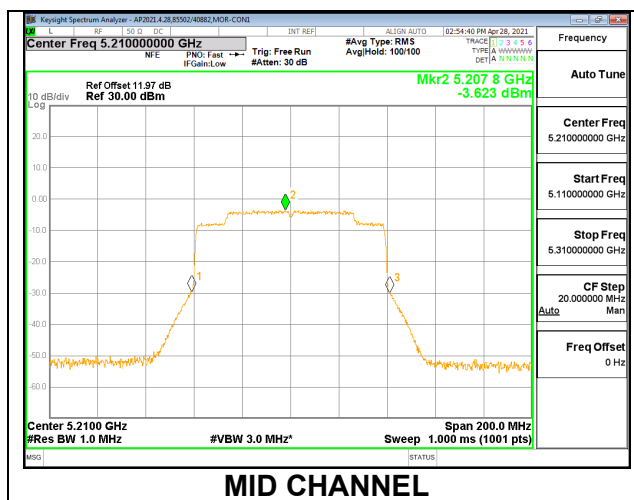
#### Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.04	14.04	24.00	-9.96

#### PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-3.623	-3.503	11.00	-14.50

Note: Average measurements taken gated.





**1TX Antenna A OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	40.20	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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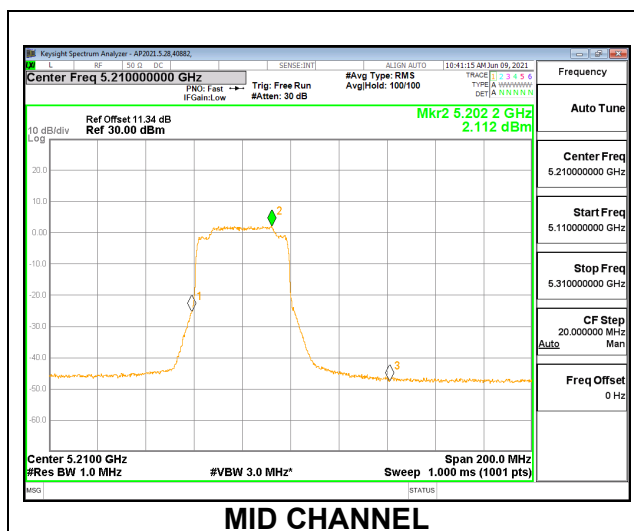
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.30	15.30	24.00	-8.70

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.112	2.112	11.00	-8.89

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 484-Tones, RU Index 66**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	39.60	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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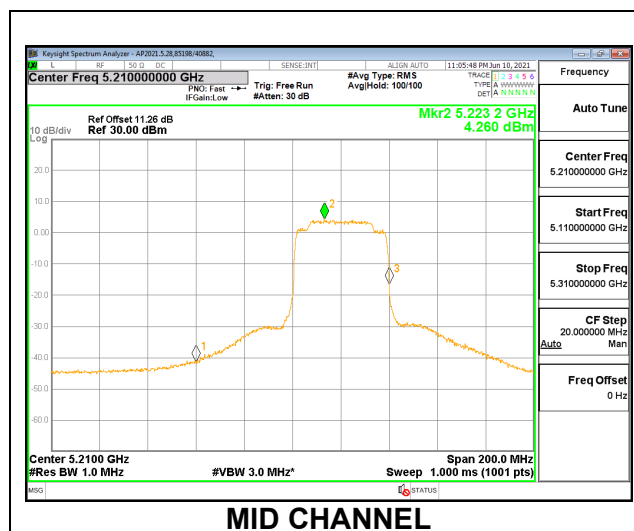
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.21	17.21	24.00	-6.79

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.260	4.260	11.00	-6.74

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 242-Tones, RU Index 61**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.60	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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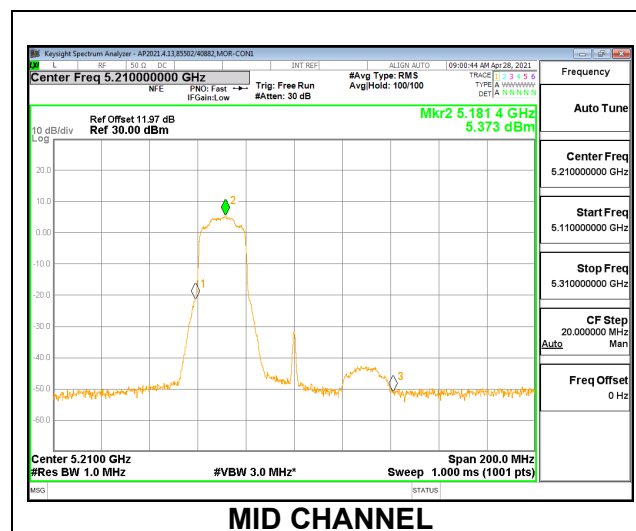
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.26	17.26	24.00	-6.74

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	5.373	5.373	11.00	-5.63

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 242-Tones, RU Index 62**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-27-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	39.40	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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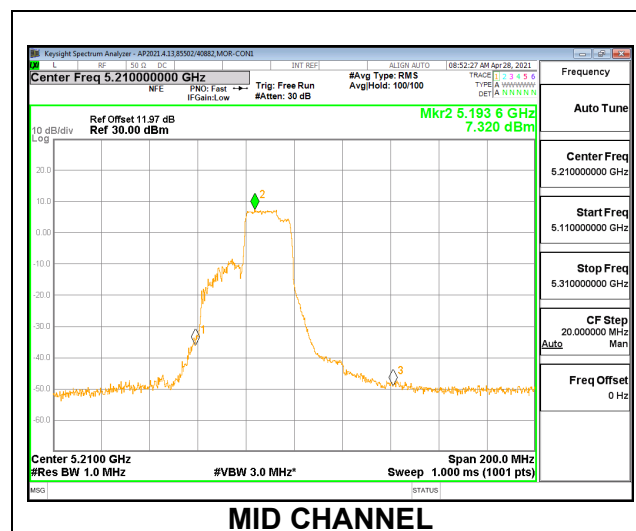
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	19.42	19.42	24.00	-4.58

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.320	7.320	11.00	-3.68

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 242-Tones, RU Index 64**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	21.20	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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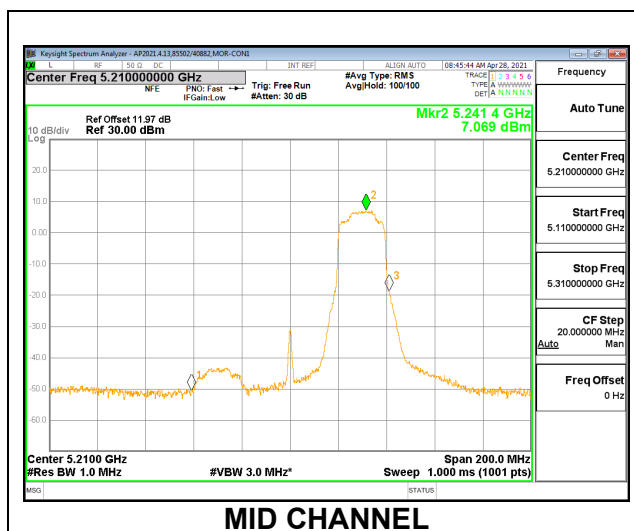
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	19.48	19.48	24.00	-4.52

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.069	7.069	11.00	-3.93

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 106-Tones, RU Index 53**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.20	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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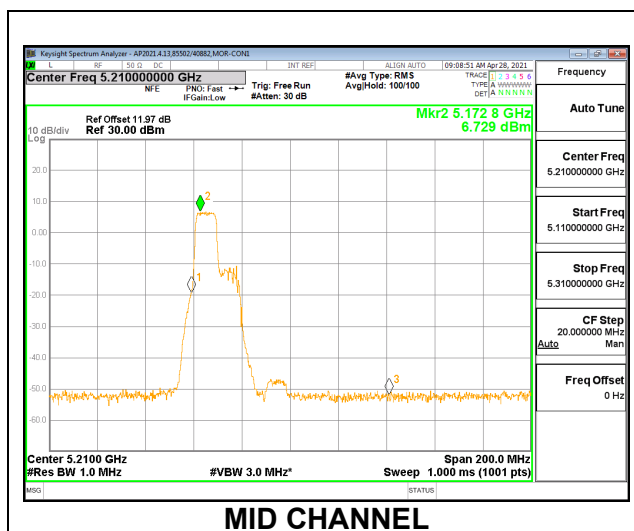
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.47	16.47	24.00	-7.53

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	6.729	6.729	11.00	-4.27

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 106-Tones, RU Index 54**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.60	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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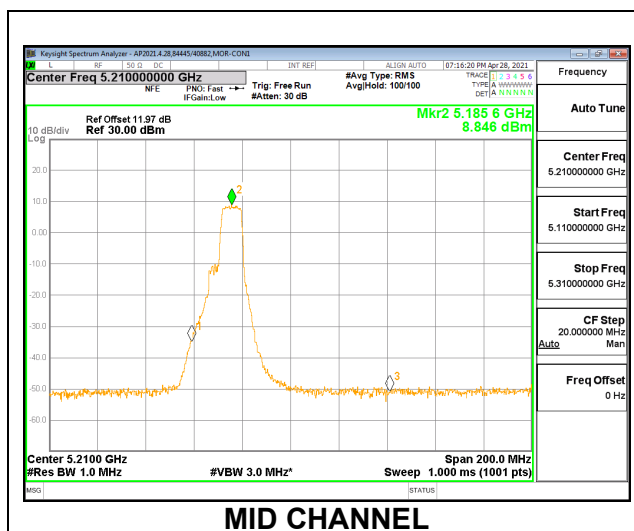
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.42	17.42	24.00	-6.58

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.846	8.846	11.00	-2.15

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 106-Tones, RU Index 56**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.40	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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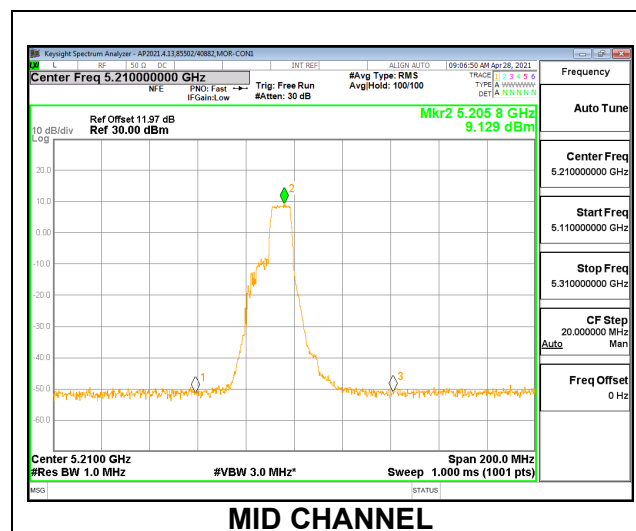
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.59	17.59	24.00	-6.41

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	9.129	9.129	11.00	-1.87

Note: Average measurements taken gated.





**1TX Antenna A OFDMA MODE: 106-Tones, RU Index 60**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.80	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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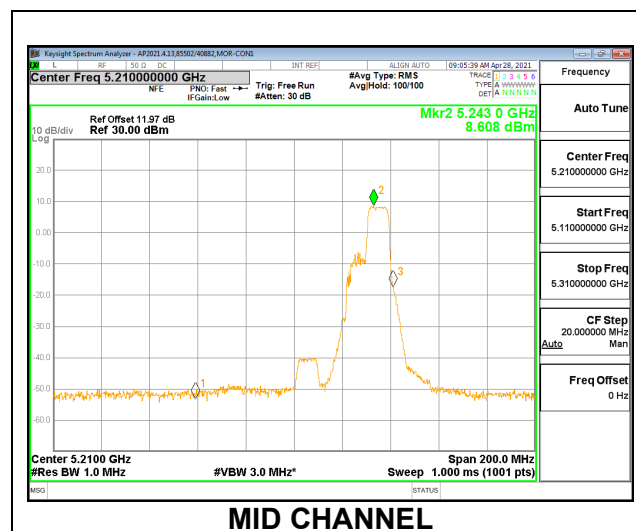
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	18.46	18.46	24.00	-5.54

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.608	8.608	11.00	-2.39

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 52-Tones, RU Index 37**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	21.40	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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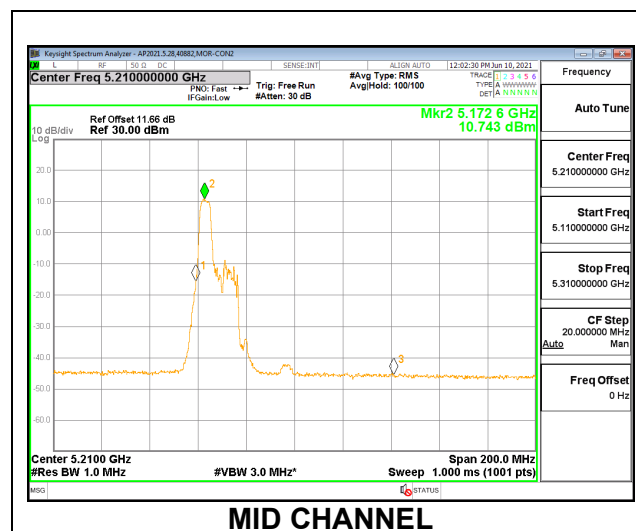
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.42	15.42	24.00	-8.58

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	10.743	10.743	11.00	-0.26

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 52-Tones, RU Index 44**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.40	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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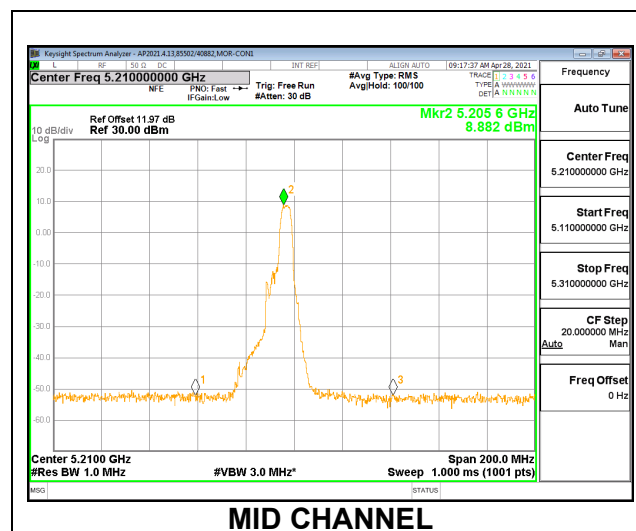
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.90	14.90	24.00	-9.10

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.882	8.882	11.00	-2.12

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 52-Tones, RU Index 52**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.40	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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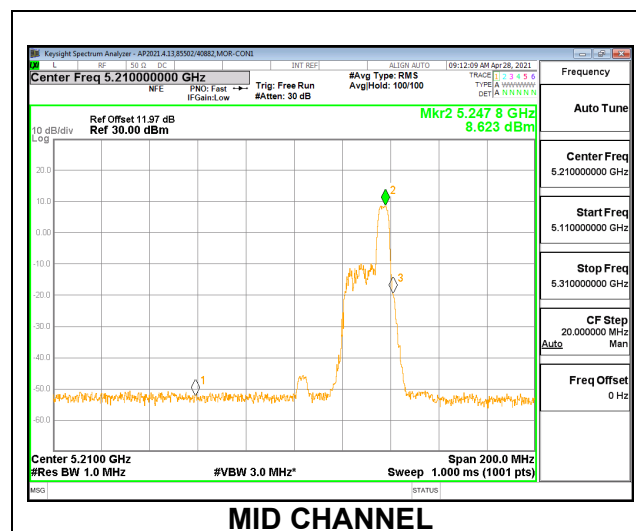
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.71	15.71	24.00	-8.29

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.623	8.623	11.00	-2.38

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	19.60	4.50	23.92	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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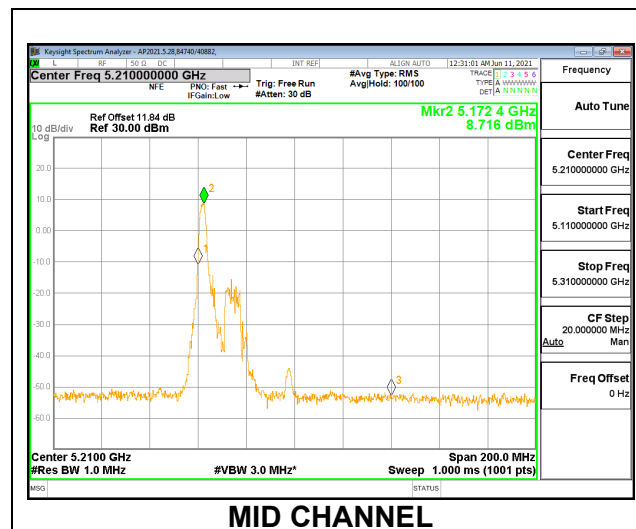
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.55	12.55	23.92	-11.37

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.716	8.716	11.00	-2.28

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 26-Tones, RU Index 18**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	38.60	4.50	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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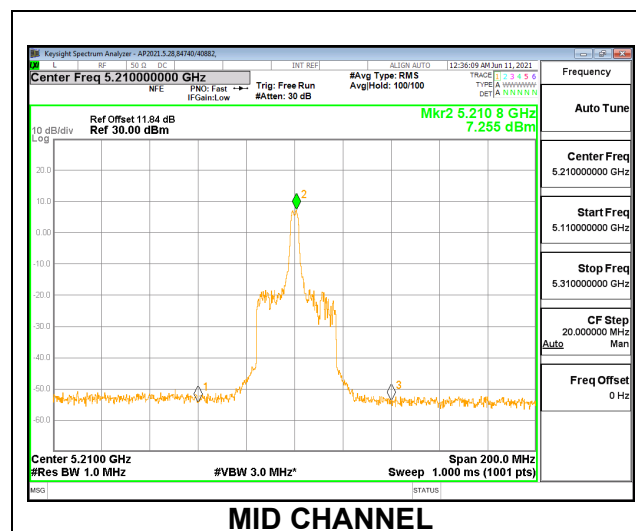
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.12	12.12	24.00	-11.88

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.255	7.255	11.00	-3.75

Note: Average measurements taken gated.



**1TX Antenna A OFDMA MODE: 26-Tones, RU Index 36**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	19.80	4.50	23.97	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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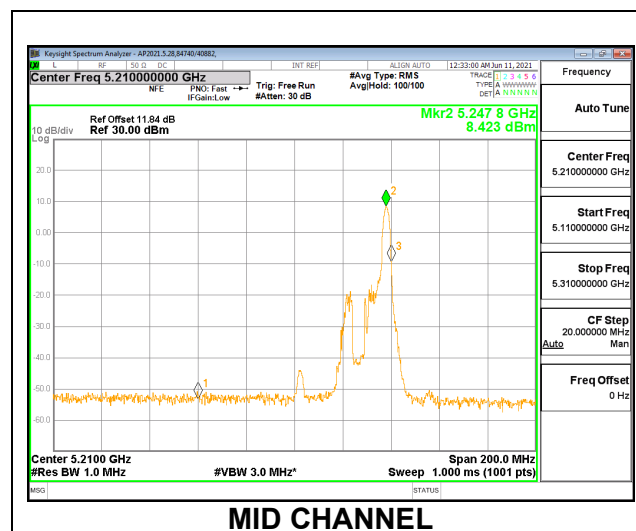
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.36	12.36	23.97	-11.61

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.423	8.423	11.00	-2.58

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	80.80	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.12	<b>Included in Calculations of Corr'd PSD</b>
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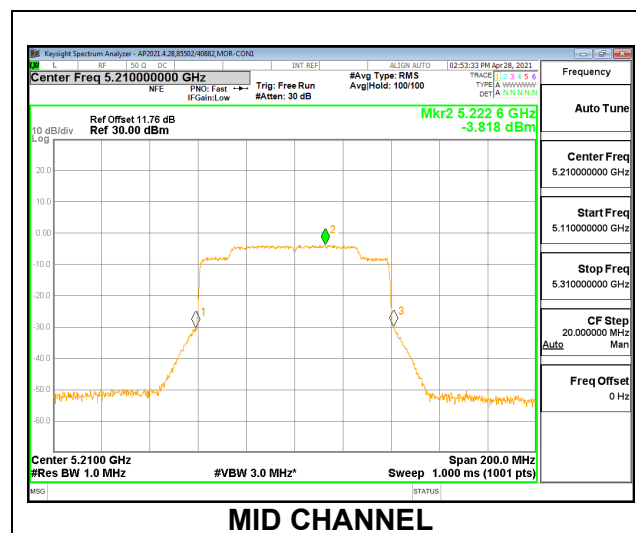
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.55	13.55	24.00	-10.45

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-3.818	-3.698	11.00	-14.70

Note: Average measurements taken gated.





**1TX Antenna B OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	40.60	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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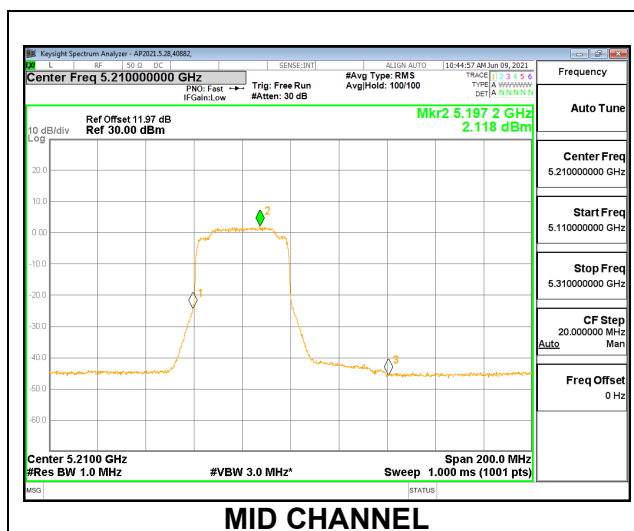
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.57	14.57	24.00	-9.43

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.118	2.118	11.00	-8.88

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 484-Tones, RU Index 66**

<b>Test Engineer:</b>	85502/40882
<b>Test Date:</b>	2021-06-09

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	39.40	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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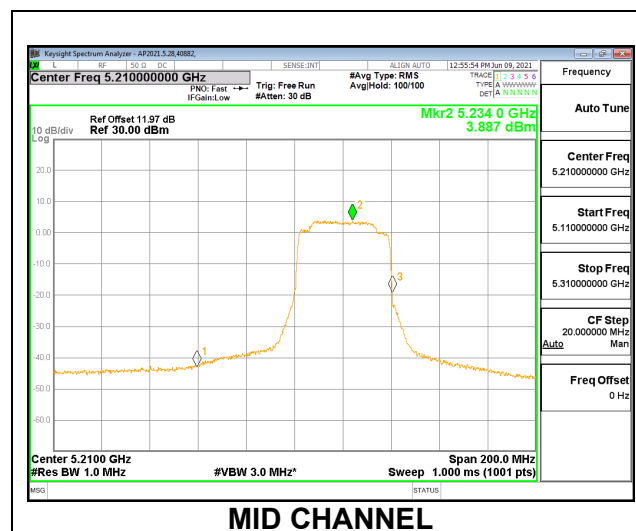
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.38	16.38	24.00	-7.62

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.887	3.887	11.00	-7.11

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 242-Tones, RU Index 61**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	21.20	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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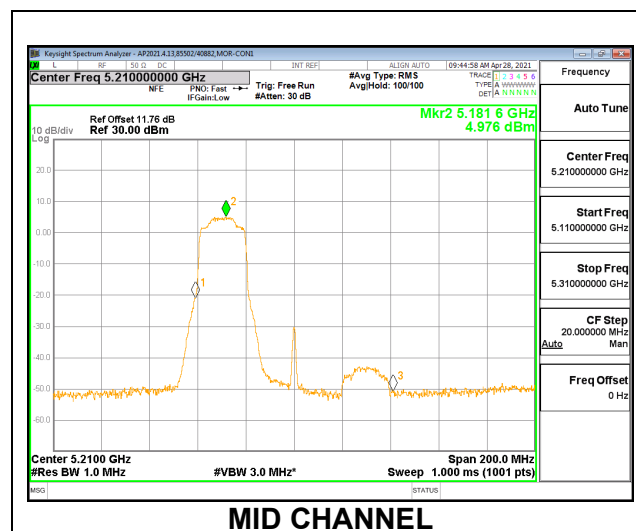
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.50	16.50	24.00	-7.50

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.976	4.976	11.00	-6.02

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 242-Tones, RU Index 62**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	39.60	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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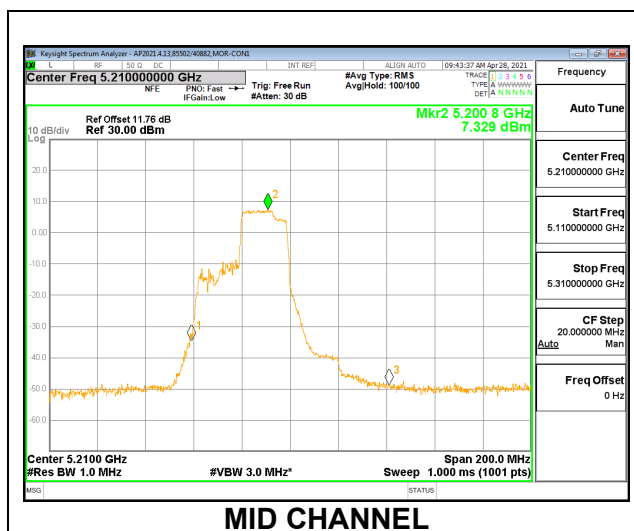
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	19.06	19.06	24.00	-4.94

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.329	7.329	11.00	-3.67

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 242-Tones, RU Index 64**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	21.00	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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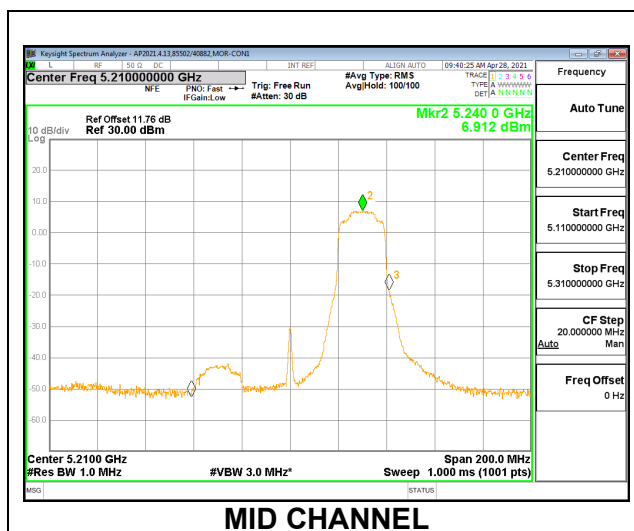
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	18.40	18.40	24.00	-5.60

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	6.912	6.912	11.00	-4.09

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 106-Tones, RU Index 53**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.80	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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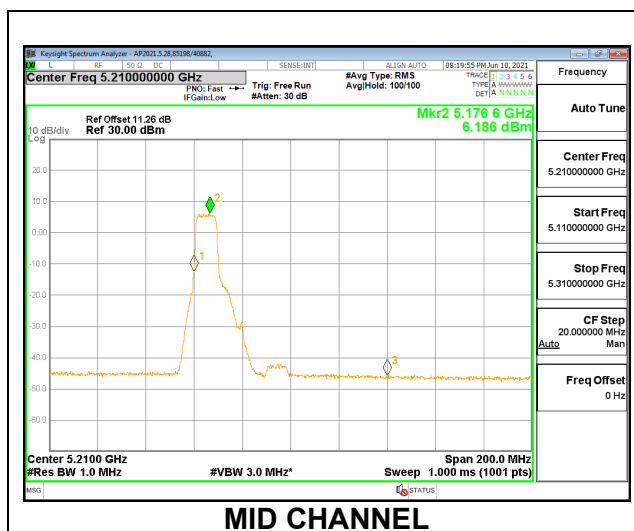
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.56	15.56	24.00	-8.44

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	6.186	6.186	11.00	-4.81

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 106-Tones, RU Index 54**

<b>Test Engineer:</b>	85502/40882, 23854/40882
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.80	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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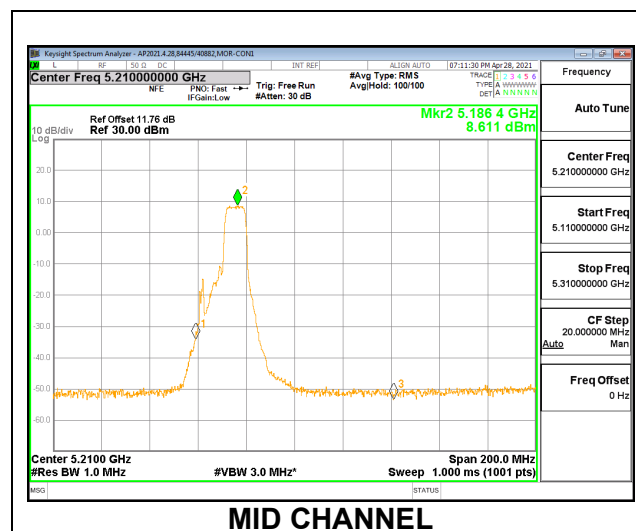
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.77	17.77	24.00	-6.23

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.611	8.611	11.00	-2.39

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 106-Tones, RU Index 56**

<b>Test Engineer:</b>	85502/40882, 23854/40882
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	19.80	3.40	23.97	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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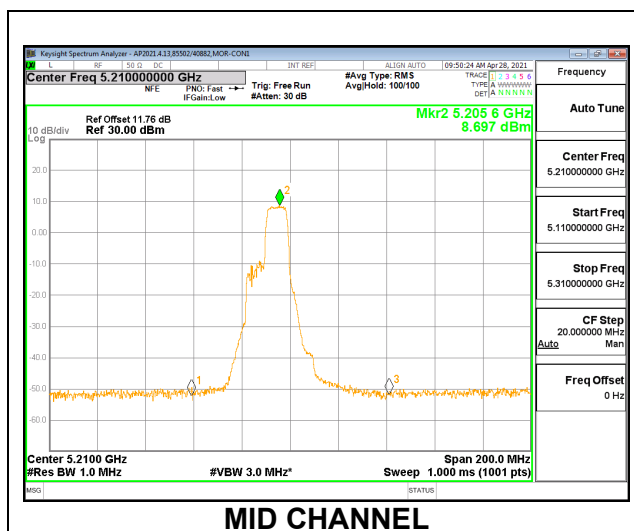
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.71	17.71	23.97	-6.26

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.697	8.697	11.00	-2.30

Note: Average measurements taken gated.





**1TX Antenna B OFDMA MODE: 106-Tones, RU Index 60**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.20	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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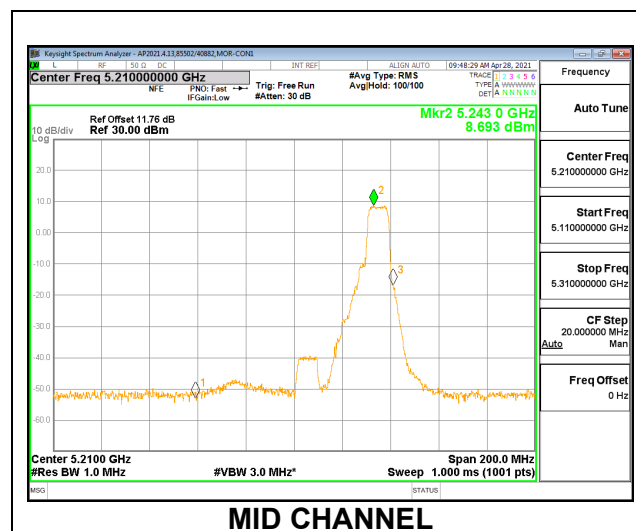
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.72	17.72	24.00	-6.28

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.693	8.693	11.00	-2.31

Note: Average measurements taken gated.



**MID CHANNEL**

**1TX Antenna B OFDMA MODE: 52-Tones, RU Index 37**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	20.20	3.40	24.00	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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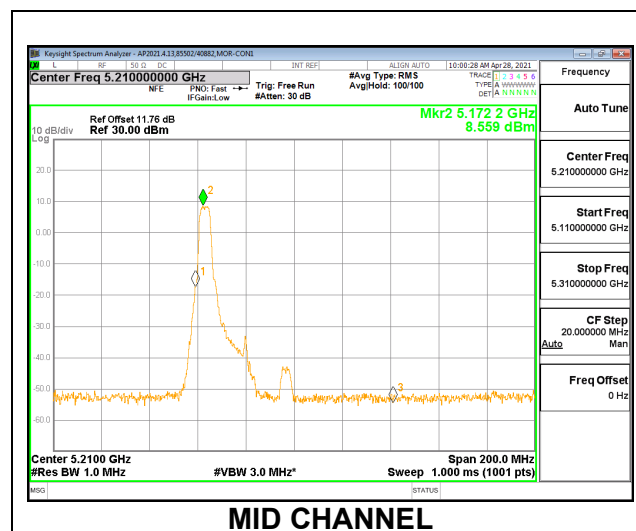
**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.52	14.52	24.00	-9.48

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.559	8.559	11.00	-2.44

Note: Average measurements taken gated.



**1TX Antenna B OFDMA MODE: 52-Tones, RU Index 44**

<b>Test Engineer:</b>	85502/40882, 23854/40882,
<b>Test Date:</b>	2021-04-28-2021-04-30

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	19.60	3.40	23.92	11.00

<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.69	14.69	23.92	-9.23

**PSD Results**

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.497	8.497	11.00	-2.50

Note: Average measurements taken gated.

