

### 9.4.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.20	24.00	11.00
Mid	5200	-3.20	24.00	11.00
High	5240	-3.20	24.00	11.00

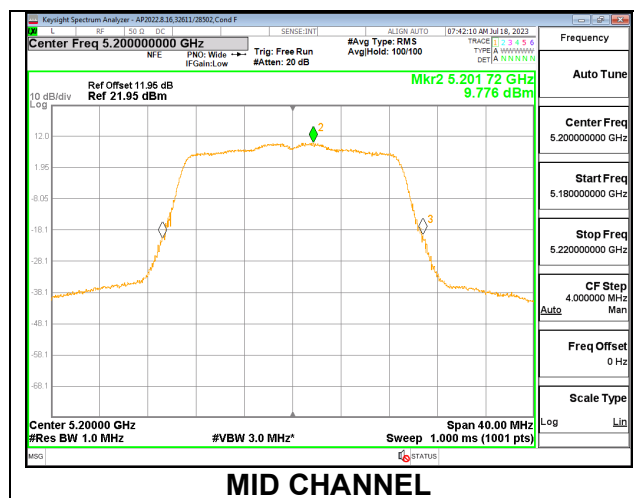
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.90	18.90	24.00	-5.10
Mid	5200	19.41	19.41	24.00	-4.59
High	5240	19.47	19.47	24.00	-4.53

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.138	9.138	11.00	-1.862
Mid	5200	9.776	9.776	11.00	-1.224
High	5240	9.569	9.569	11.00	-1.431



**1TX Antenna 5 MODE (FCC) MOBILE**

Test Engineer:	28502
Test Date:	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-4.50	24.00	11.00
Mid	5200	-4.50	24.00	11.00
High	5240	-4.50	24.00	11.00

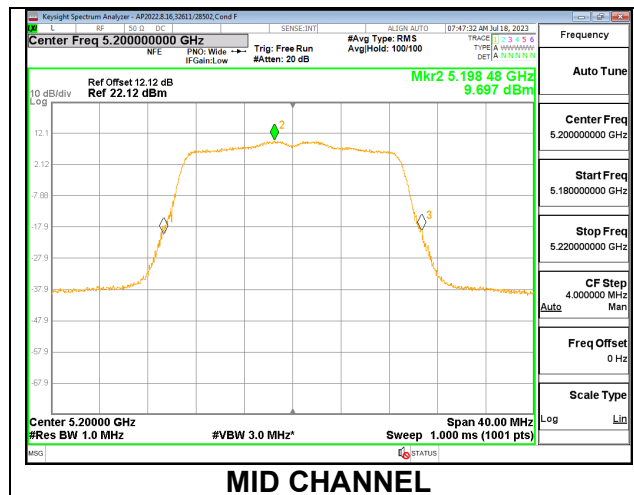
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.88	18.88	24.00	-5.12
Mid	5200	19.47	19.47	24.00	-4.53
High	5240	19.45	19.45	24.00	-4.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.081	9.081	11.00	-1.919
Mid	5200	9.697	9.697	11.00	-1.303
High	5240	9.724	9.724	11.00	-1.276



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

Test Engineer:	28502
Test Date:	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.80	-0.82	24.00	11.00
Mid	5200	-3.80	-0.82	24.00	11.00
High	5240	-3.80	-0.82	24.00	11.00

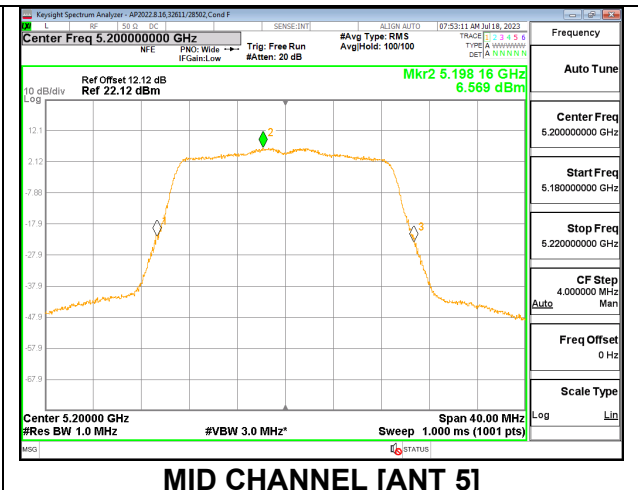
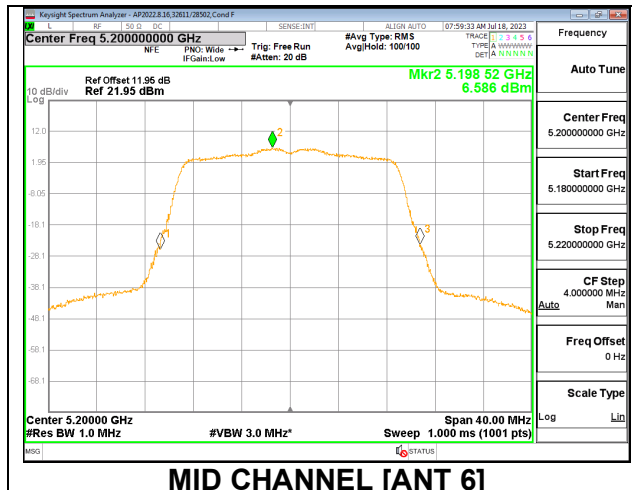
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.45	16.46	19.47	24.00	-4.53
Mid	5200	16.47	16.45	19.47	24.00	-4.53
High	5240	16.45	16.40	19.44	24.00	-4.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.792	6.733	9.773	11.00	-1.227
Mid	5200	6.586	6.569	9.588	11.00	-1.412
High	5240	6.855	6.557	9.719	11.00	-1.281



**9.4.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND**

**1TX Antenna 6 MODE (FCC) MOBILE**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.20	24.00	11.00
High	5230	-3.20	24.00	11.00

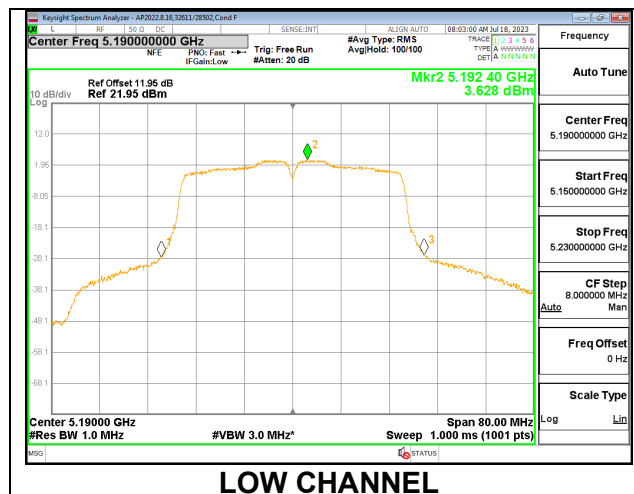
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.46	16.46	24.00	-7.54
High	5230	20.48	20.48	24.00	-3.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.628	3.728	11.00	-7.272
High	5230	7.524	7.624	11.00	-3.376



**1TX Antenna 5 MODE (FCC) MOBILE**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.50	24.00	11.00
High	5230	-4.50	24.00	11.00

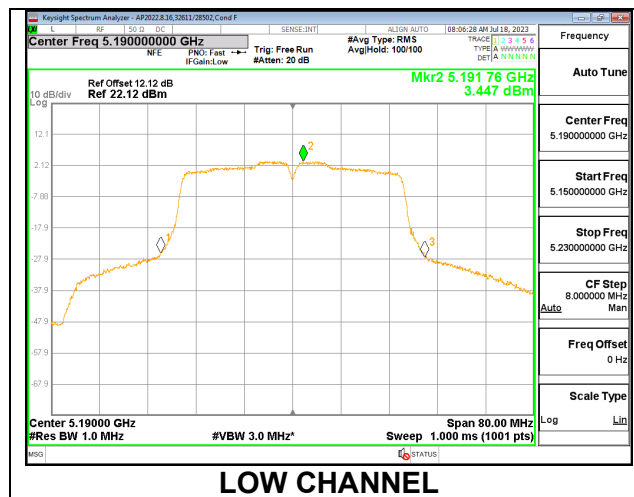
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.45	16.45	24.00	-7.55
High	5230	20.40	20.40	24.00	-3.60

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.447	3.547	11.00	-7.453
High	5230	7.598	7.698	11.00	-3.302



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.80	-0.82	24.00	11.00
High	5230	-3.80	-0.82	24.00	11.00

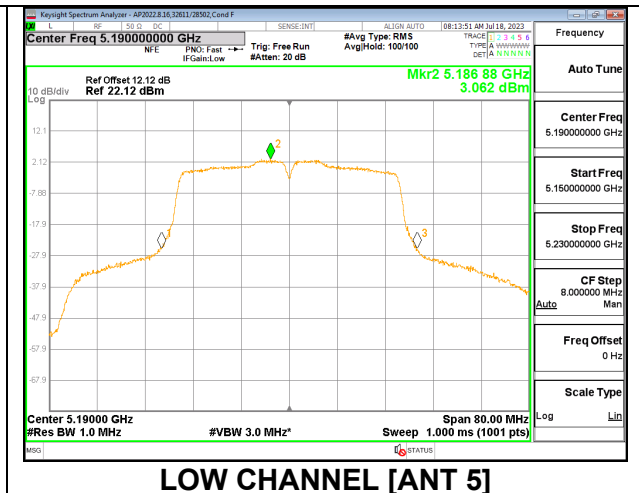
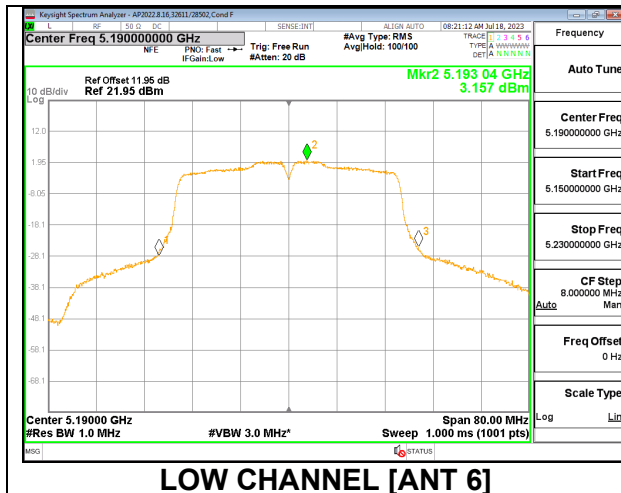
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.96	15.92	18.95	24.00	-5.05
High	5230	18.98	18.91	21.96	24.00	-2.04

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.157	3.062	6.220	11.00	-4.780
High	5230	6.160	5.915	9.150	11.00	-1.850



### 9.4.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/1/2023

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.20	24.00	11.00

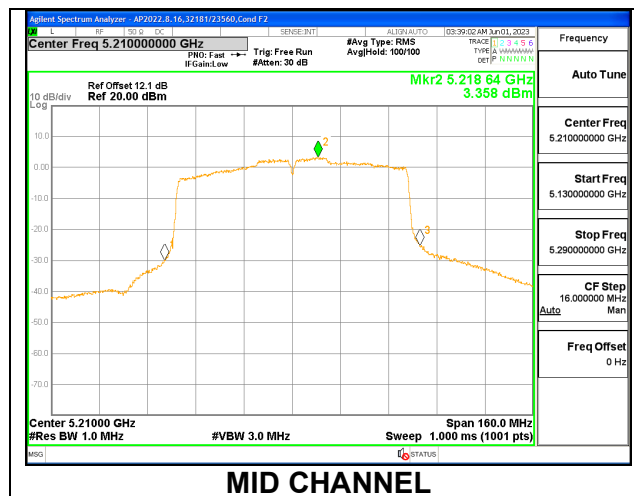
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.45	16.45	24.00	-7.55

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.358	3.558	11.00	-7.442



**1TX Antenna 5 MODE (FCC) MOBILE**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/1/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-4.50	24.00	11.00

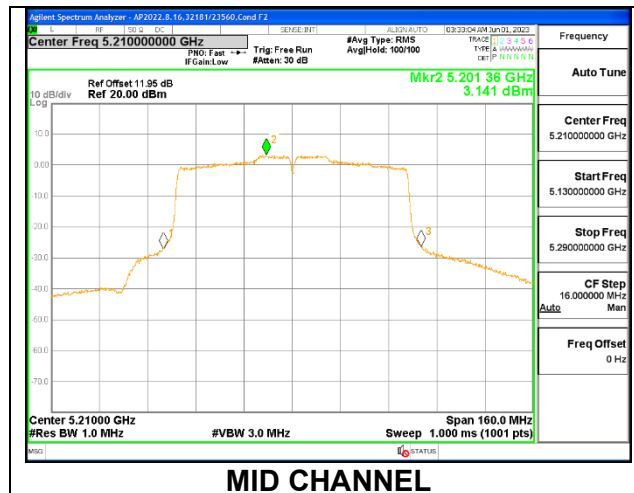
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.40	16.40	24.00	-7.60

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.141	3.341	11.00	-7.659





**2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/1/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-3.80	-0.82	24.00	11.00

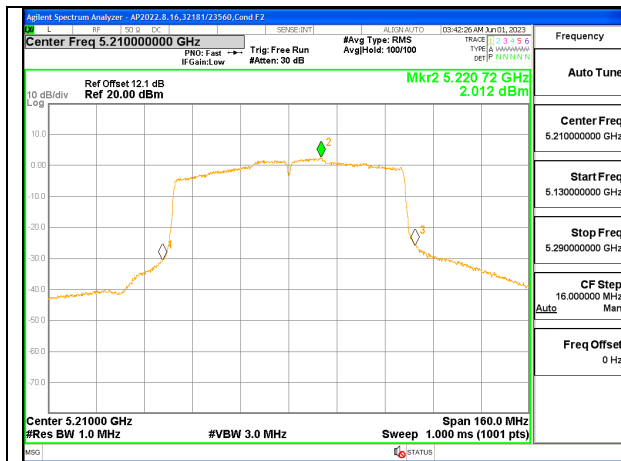
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

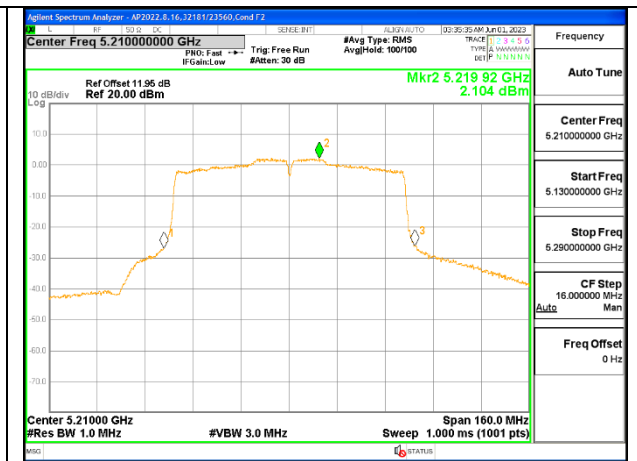
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.40	15.44	18.43	24.00	-5.57

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.012	2.104	5.269	11.00	-5.731



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**

### 9.4.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	32543
Test Date:	6/28/2023

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.20	24.00	11.00
Mid	5200	-3.20	24.00	11.00
High	5240	-3.20	24.00	11.00

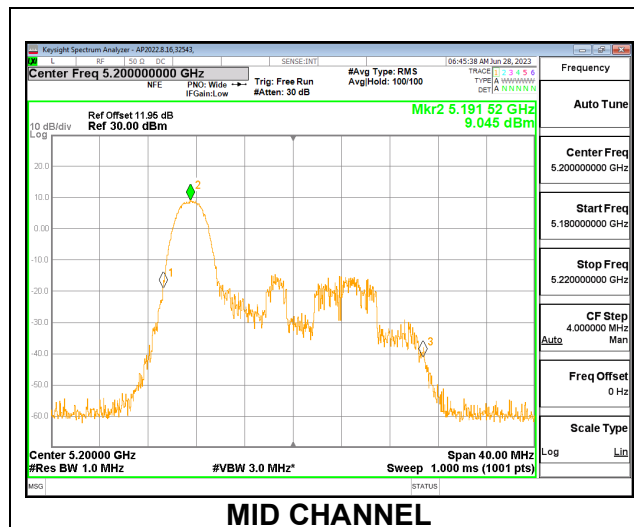
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.48	11.48	24.00	-12.52
Mid	5200	11.45	11.45	24.00	-12.55
High	5240	11.45	11.45	24.00	-12.55

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.102	9.102	11.00	-1.898
Mid	5200	9.045	9.045	11.00	-1.955
High	5240	8.854	8.854	11.00	-2.146



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	23543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.20	24.00	11.00
Mid	5200	-3.20	24.00	11.00
High	5240	-3.20	24.00	11.00

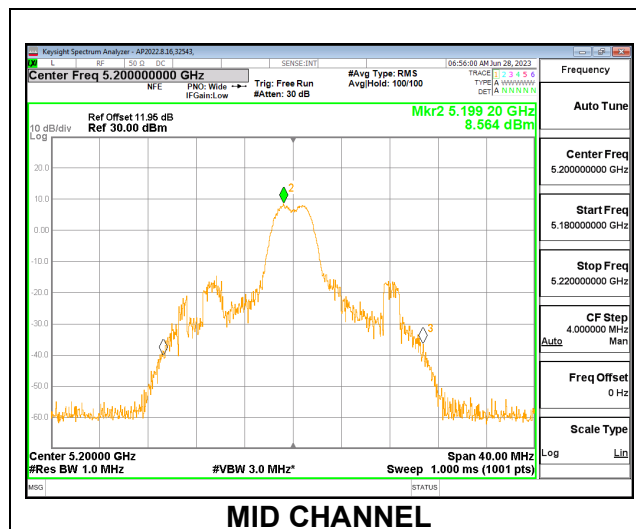
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.44	11.44	24.00	-12.56
Mid	5200	11.45	11.45	24.00	-12.55
High	5240	11.42	11.42	24.00	-12.58

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.381	8.381	11.00	-2.619
Mid	5200	8.564	8.564	11.00	-2.436
High	5240	8.313	8.313	11.00	-2.687



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.20	24.00	11.00
Mid	5200	-3.20	24.00	11.00
High	5240	-3.20	24.00	11.00

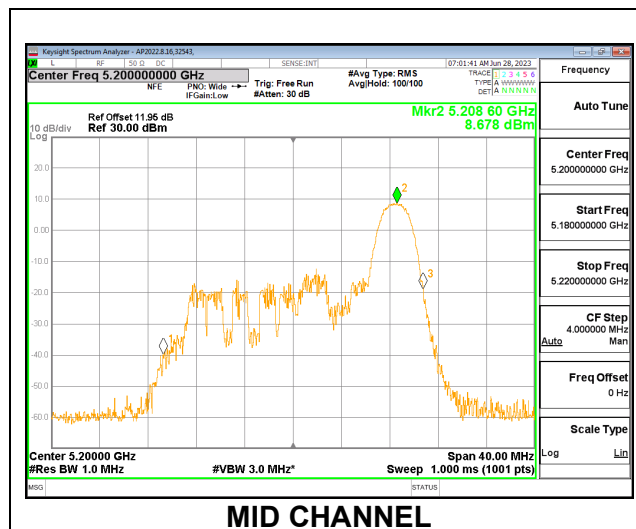
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.43	11.43	24.00	-12.57
Mid	5200	11.45	11.45	24.00	-12.55
High	5240	11.48	11.48	24.00	-12.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.129	9.129	11.00	-1.871
Mid	5200	8.678	8.678	11.00	-2.322
High	5240	9.003	9.003	11.00	-1.997



**1TX Antenna 6 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-3.20	24.00	11.00
Mid	5200	-3.20	24.00	11.00
High	5240	-3.20	24.00	11.00

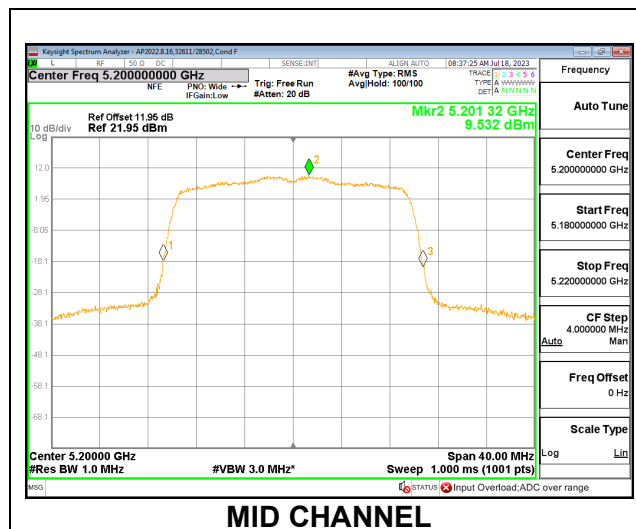
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.97	17.97	24.00	-6.03
Mid	5200	19.31	19.31	24.00	-4.69
High	5240	19.33	19.33	24.00	-4.67

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.903	7.903	11.00	-3.097
Mid	5200	9.532	9.532	11.00	-1.468
High	5240	9.603	9.603	11.00	-1.397



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-4.50	24.00	11.00
Mid	5200	-4.50	24.00	11.00
High	5240	-4.50	24.00	11.00

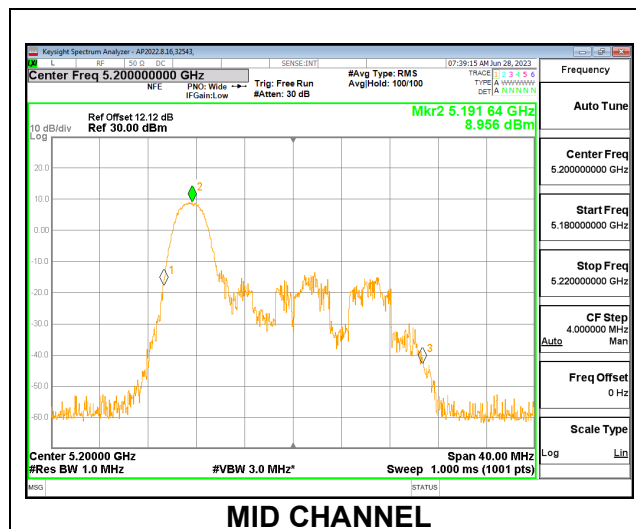
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.47	11.47	24.00	-12.53
Mid	5200	11.48	11.48	24.00	-12.52
High	5240	11.46	11.46	24.00	-12.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.883	8.883	11.00	-2.117
Mid	5200	8.956	8.956	11.00	-2.044
High	5240	9.137	9.137	11.00	-1.863



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-4.50	24.00	11.00
Mid	5200	-4.50	24.00	11.00
High	5240	-4.50	24.00	11.00

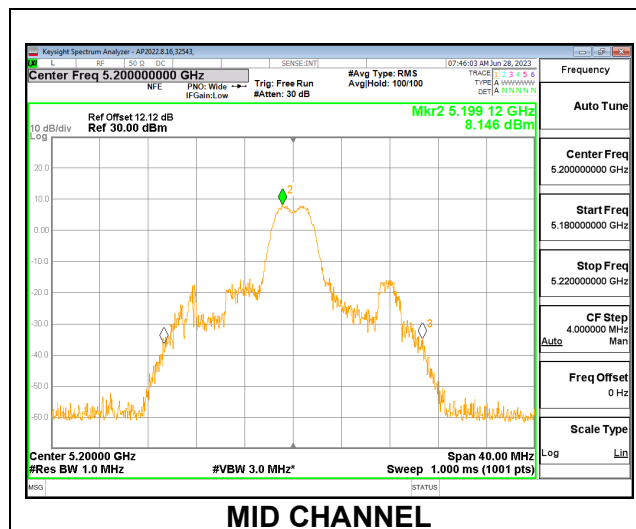
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.44	11.44	24.00	-12.56
Mid	5200	11.45	11.45	24.00	-12.55
High	5240	11.47	11.47	24.00	-12.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.296	8.296	11.00	-2.704
Mid	5200	8.146	8.146	11.00	-2.854
High	5240	8.159	8.159	11.00	-2.841



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-4.50	24.00	11.00
Mid	5200	-4.50	24.00	11.00
High	5240	-4.50	24.00	11.00

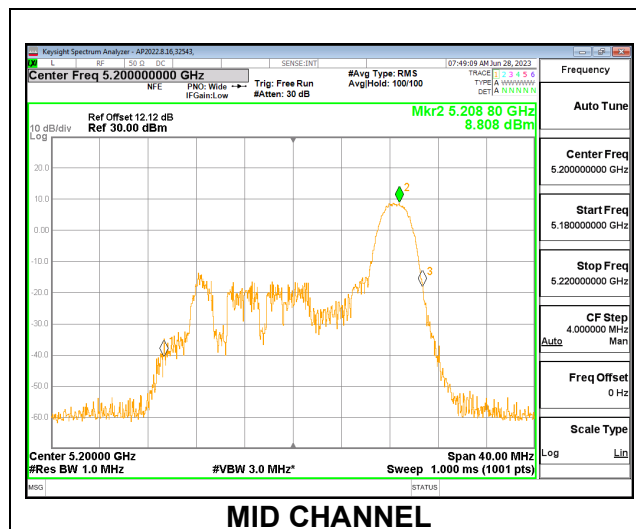
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.45	11.45	24.00	-12.55
Mid	5200	11.41	11.41	24.00	-12.59
High	5240	11.48	11.48	24.00	-12.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.870	8.870	11.00	-2.130
Mid	5200	8.808	8.808	11.00	-2.192
High	5240	9.064	9.064	11.00	-1.936





**1TX Antenna 5 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-4.50	24.00	11.00
Mid	5200	-4.50	24.00	11.00
High	5240	-4.50	24.00	11.00

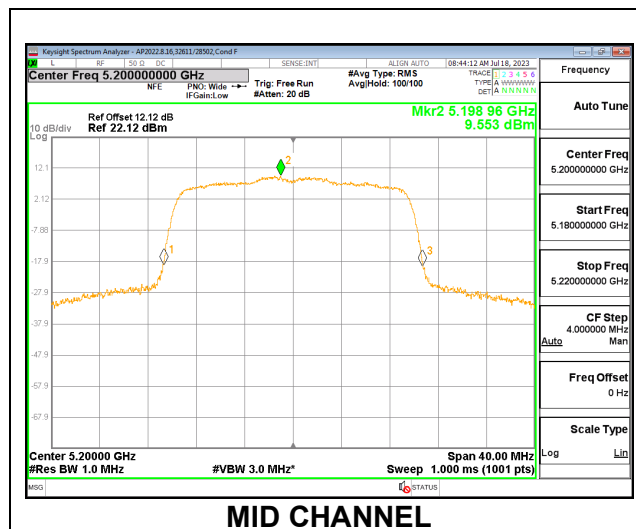
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.93	17.93	24.00	-6.07
Mid	5200	19.32	19.32	24.00	-4.68
High	5240	19.35	19.35	24.00	-4.65

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.941	7.941	11.00	-3.059
Mid	5200	9.553	9.553	11.00	-1.447
High	5240	9.370	9.370	11.00	-1.630



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.8	-0.8	24.00	11.00
Mid	5200	-3.8	-0.8	24.00	11.00
High	5240	-3.8	-0.8	24.00	11.00

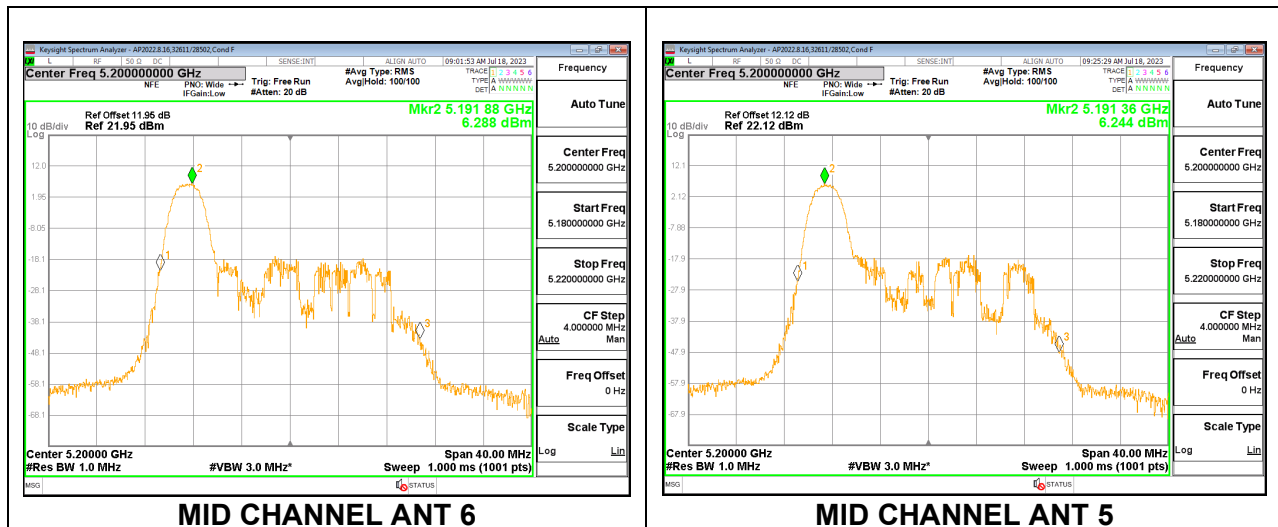
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.40	8.39	11.41	24.00	-12.59
Mid	5200	8.40	8.46	11.44	24.00	-12.56
High	5240	8.48	8.45	11.48	24.00	-12.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.015	6.451	9.249	11.00	-1.751
Mid	5200	6.288	6.244	9.276	11.00	-1.724
High	5240	6.243	6.460	9.363	11.00	-1.637



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.80	-0.82	24.00	11.00
Mid	5200	-3.80	-0.82	24.00	11.00
High	5240	-3.80	-0.82	24.00	11.00

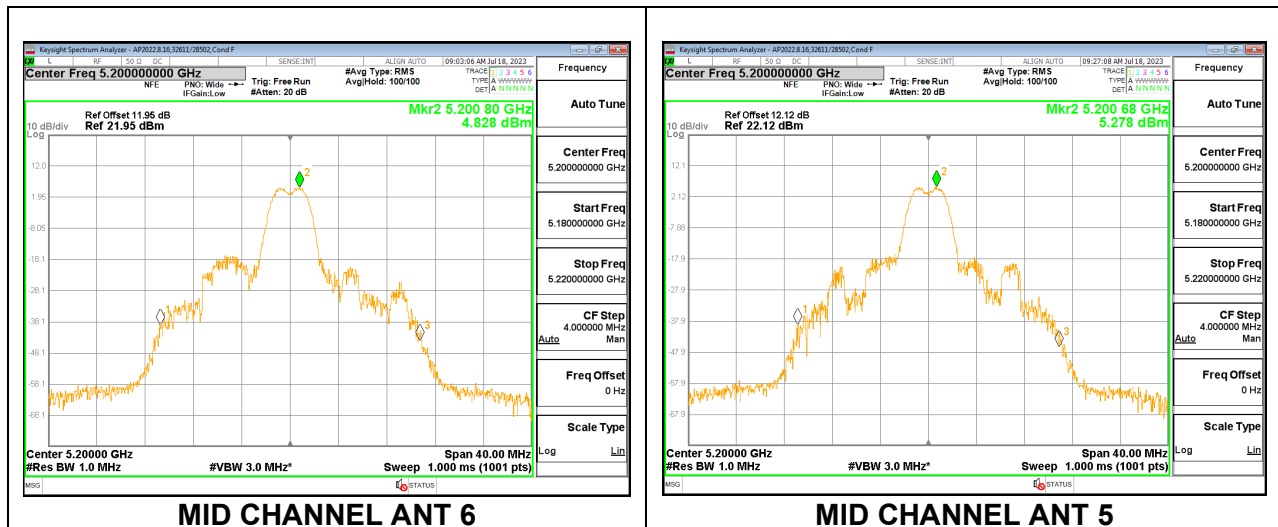
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.48	8.41	11.46	24.00	-12.54
Mid	5200	8.45	8.47	11.47	24.00	-12.53
High	5240	8.42	8.45	11.45	24.00	-12.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	5.144	5.110	8.137	11.00	-2.863
Mid	5200	4.828	5.278	8.069	11.00	-2.931
High	5240	5.228	5.307	8.278	11.00	-2.722



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.80	-0.82	24.00	11.00
Mid	5200	-3.80	-0.82	24.00	11.00
High	5240	-3.80	-0.82	24.00	11.00

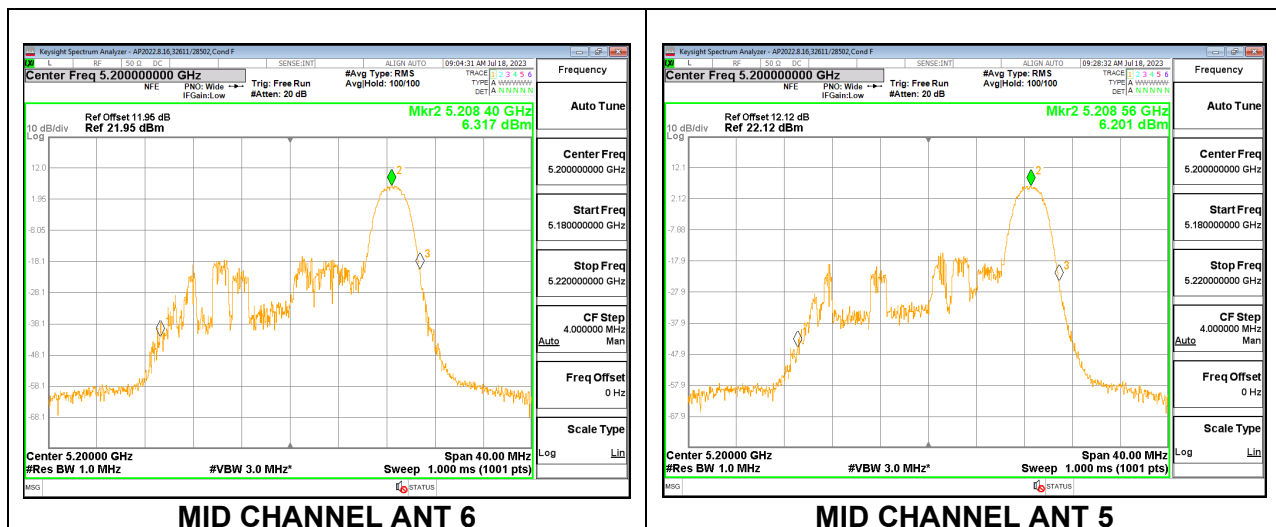
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.45	8.40	11.44	24.00	-12.56
Mid	5200	8.42	8.41	11.43	24.00	-12.57
High	5240	8.45	8.42	11.45	24.00	-12.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.322	6.094	9.220	11.00	-1.780
Mid	5200	6.317	6.201	9.270	11.00	-1.730
High	5240	6.183	6.091	9.148	11.00	-1.852



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.80	-0.82	24.00	11.00
Mid	5200	-3.80	-0.82	24.00	11.00
High	5240	-3.80	-0.82	24.00	11.00

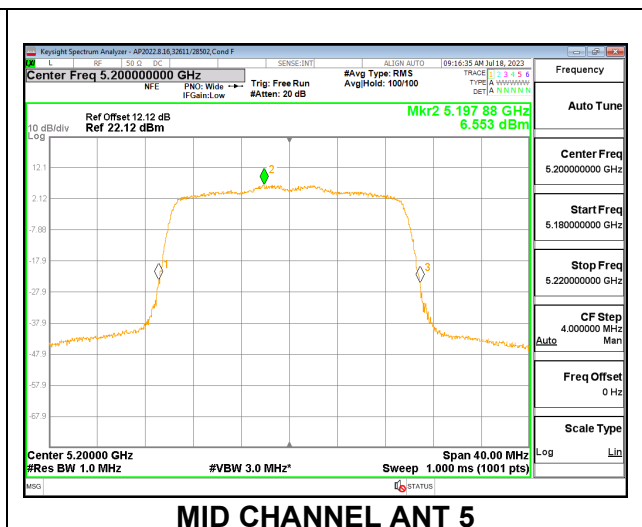
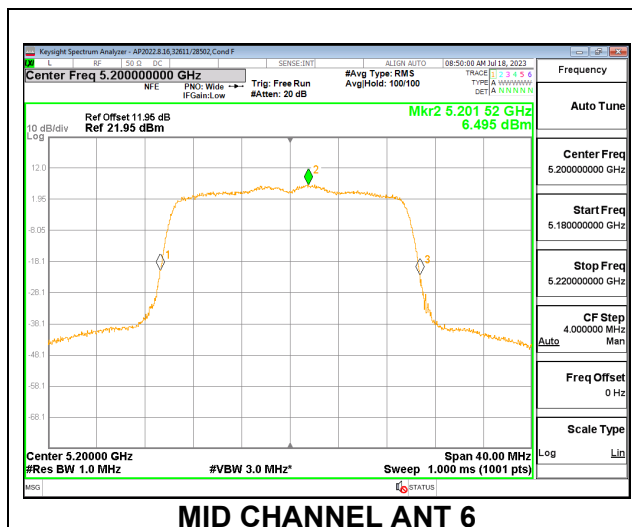
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.47	16.46	19.48	24.00	-4.52
Mid	5200	16.46	16.48	19.48	24.00	-4.52
High	5240	16.42	16.42	19.43	24.00	-4.57

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.530	6.467	9.509	11.00	-1.491
Mid	5200	6.495	6.553	9.534	11.00	-1.466
High	5240	6.369	6.319	9.354	11.00	-1.646



### 9.4.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

#### 1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	32543
Test Date:	6/28/2023

#### Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.20	24.00	11.00
High	5230	-3.20	24.00	11.00

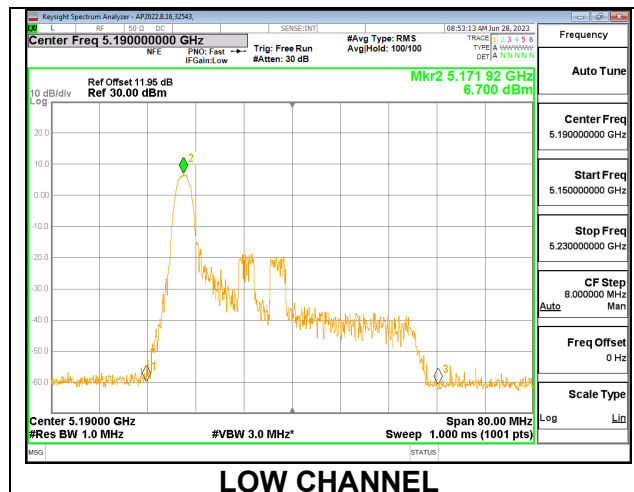
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.45	9.45	24.00	-14.55
High	5230	9.45	9.45	24.00	-14.55

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.700	6.700	11.00	-4.300
High	5230	6.782	6.782	11.00	-4.218



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 8**

Test Engineer:	32543
Test Date:	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.20	24.00	11.00
High	5230	-3.20	24.00	11.00

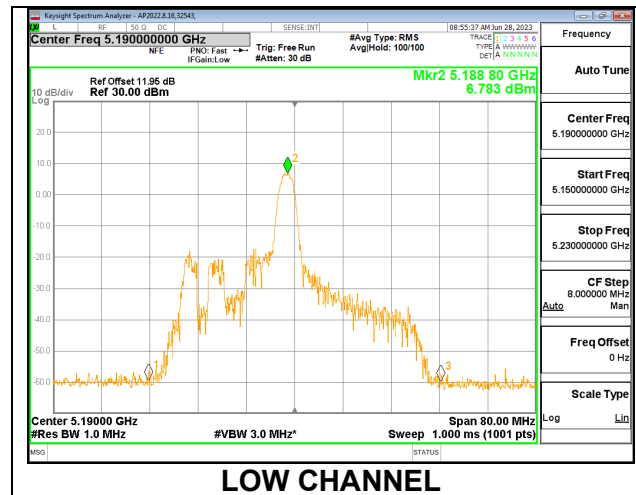
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.44	9.44	24.00	-14.56
High	5230	9.45	9.45	24.00	-14.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.783	6.783	11.00	-4.217
High	5230	6.814	6.814	11.00	-4.186



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 17**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.20	24.00	11.00
High	5230	-3.20	24.00	11.00

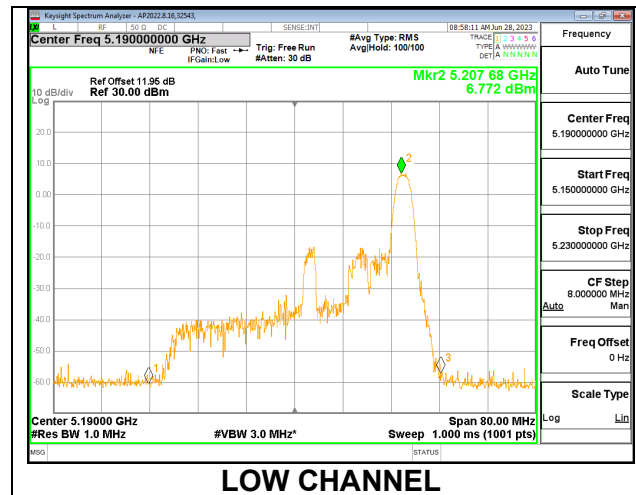
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.45	9.45	24.00	-14.55
High	5230	9.48	9.48	24.00	-14.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.772	6.772	11.00	-4.228
High	5230	6.985	6.985	11.00	-4.015





**1TX Antenna 6 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/1/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.20	24.00	11.00
High	5230	-3.20	24.00	11.00

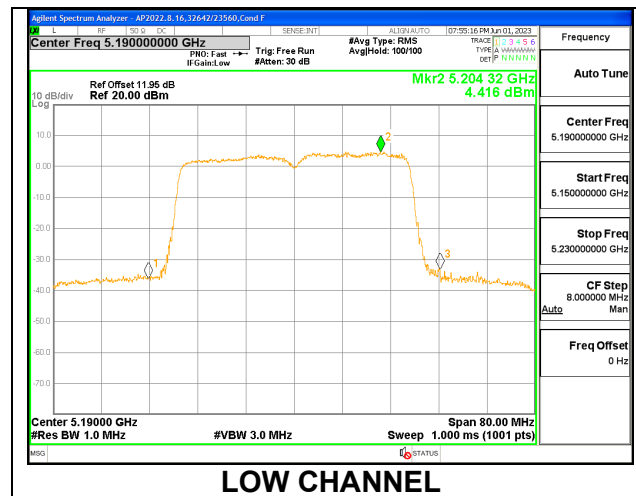
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.93	15.93	24.00	-8.07
High	5230	20.41	20.41	24.00	-3.59

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.416	4.546	11.00	-6.454
High	5230	9.043	9.173	11.00	-1.827



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	23543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.50	24.00	11.00
High	5230	-4.50	24.00	11.00

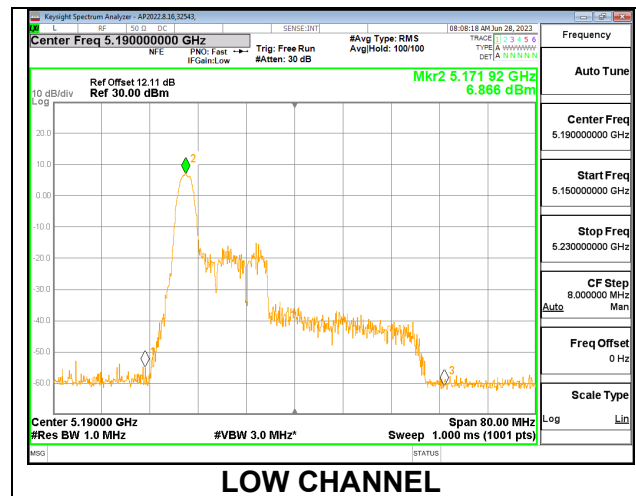
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.42	9.42	24.00	-14.58
High	5230	9.44	9.44	24.00	-14.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.866	6.866	11.00	-4.134
High	5230	7.099	7.099	11.00	-3.901



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 8**

Test Engineer:	23543
Test Date:	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.50	24.00	11.00
High	5230	-4.50	24.00	11.00

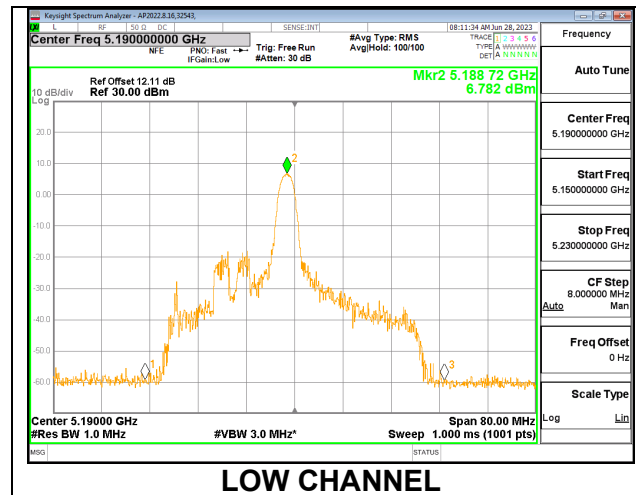
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.46	9.46	24.00	-14.54
High	5230	9.48	9.48	24.00	-14.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.782	6.782	11.00	-4.218
High	5230	6.758	6.758	11.00	-4.242



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 17**

Test Engineer:	23543
Test Date:	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.50	24.00	11.00
High	5230	-4.50	24.00	11.00

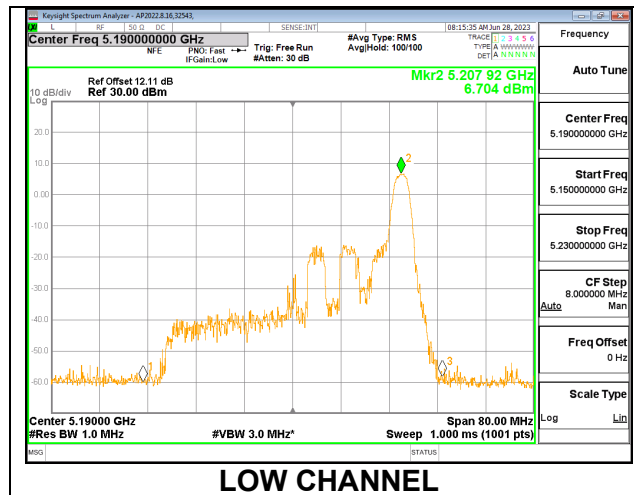
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.43	9.43	24.00	-14.57
High	5230	9.44	9.44	24.00	-14.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.704	6.704	11.00	-4.296
High	5230	6.751	6.751	11.00	-4.249



**1TX Antenna 5 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/1/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.50	24.00	11.00
High	5230	-4.50	24.00	11.00

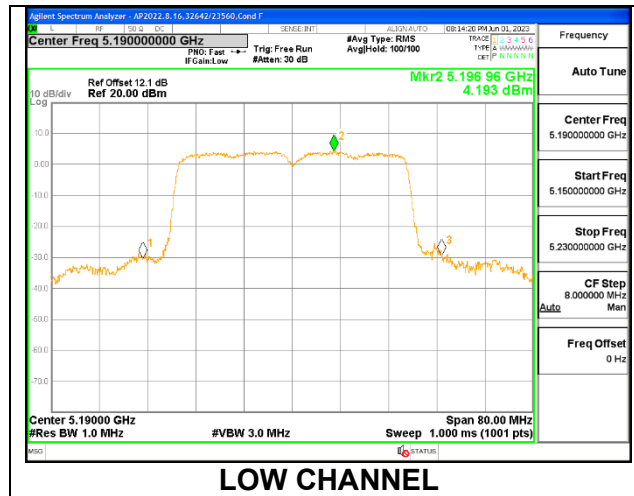
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.91	15.91	24.00	-8.09
High	5230	20.44	20.44	24.00	-3.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.193	4.323	11.00	-6.677
High	5230	8.935	9.065	11.00	-1.935



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.80	-0.82	24.00	11.00
High	5230	-3.80	-0.82	24.00	11.00

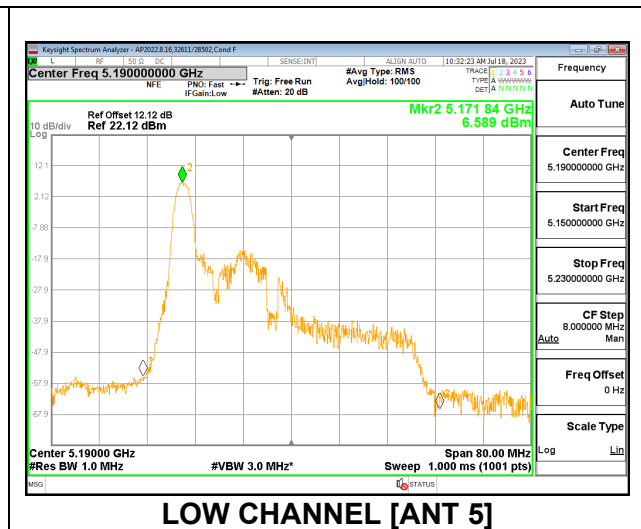
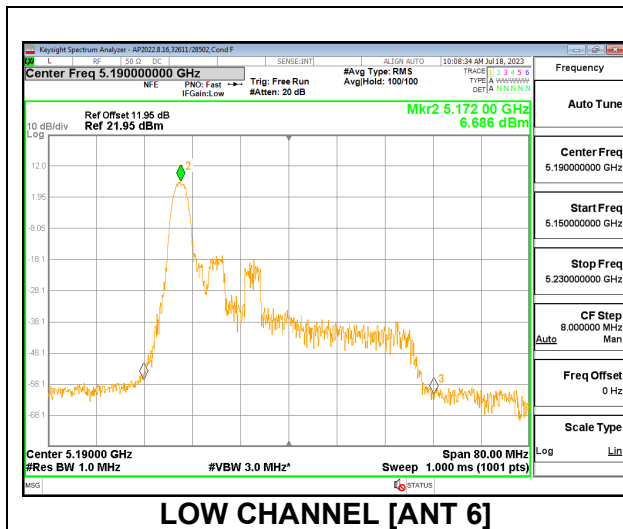
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.45	8.43	11.45	24.00	-12.55
High	5230	8.41	8.44	11.44	24.00	-12.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.686	6.589	9.648	11.00	-1.352
High	5230	6.640	6.713	9.687	11.00	-1.313



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.80	-0.82	24.00	11.00
High	5230	-3.80	-0.82	24.00	11.00

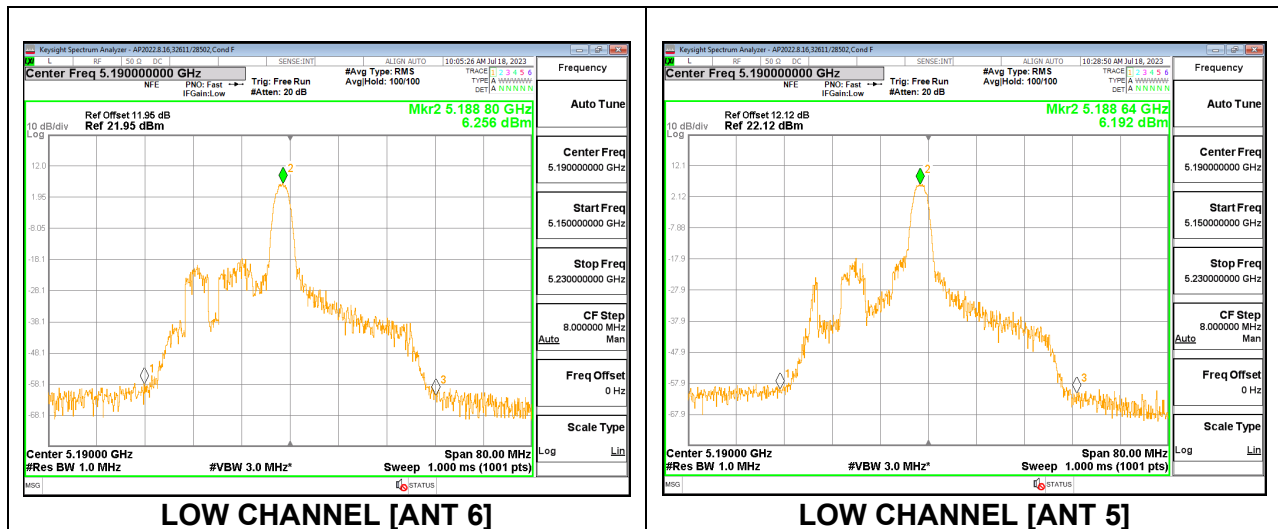
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.48	8.44	11.47	24.00	-12.53
High	5230	8.45	8.45	11.46	24.00	-12.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.256	6.192	9.234	11.00	-1.766
High	5230	6.057	6.292	9.186	11.00	-1.814



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 17**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.80	-0.82	24.00	11.00
High	5230	-3.80	-0.82	24.00	11.00

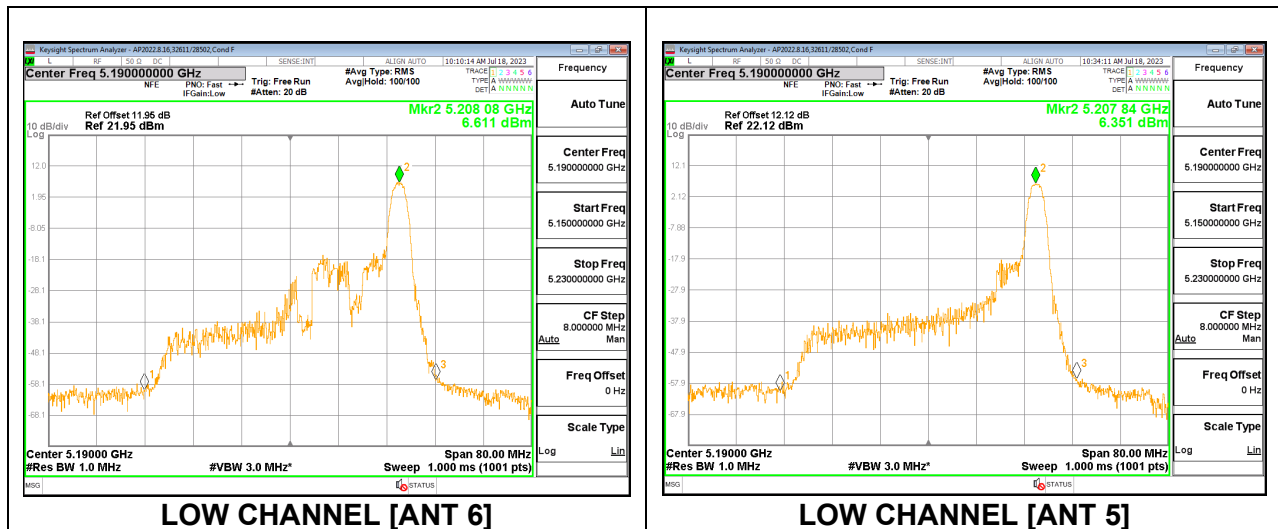
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.44	8.42	11.44	24.00	-12.56
High	5230	8.44	8.46	11.46	24.00	-12.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.611	6.351	9.493	11.00	-1.507
High	5230	6.669	6.580	9.635	11.00	-1.365





**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-3.80	-0.82	24.00	11.00
High	5230	-3.80	-0.82	24.00	11.00

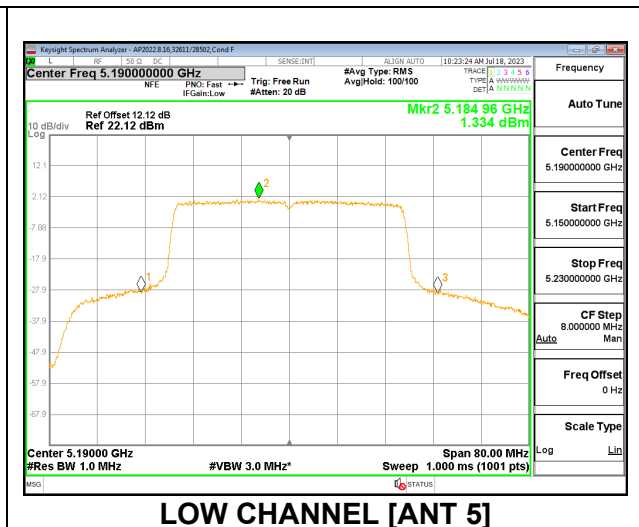
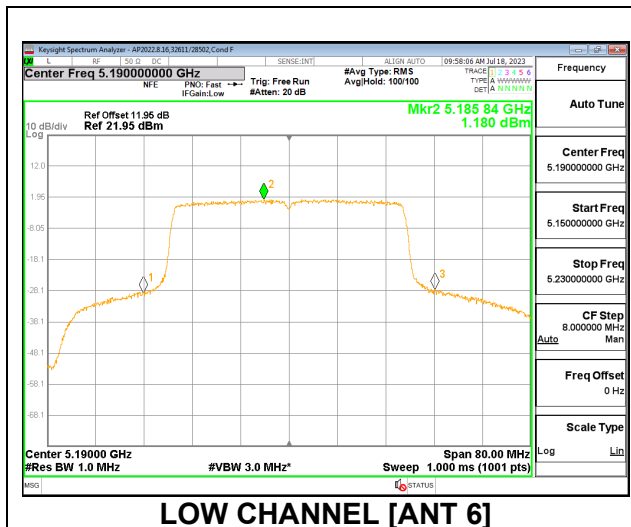
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.44	15.44	18.45	24.00	-5.55
High	5230	18.85	18.88	21.88	24.00	-2.12

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	1.180	1.334	4.398	11.00	-6.602
High	5230	4.727	4.602	7.805	11.00	-3.195



**9.4.6. 802.11ax HE80 MODE IN THE 5.2 GHz BAND**

**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.20	24.00	11.00

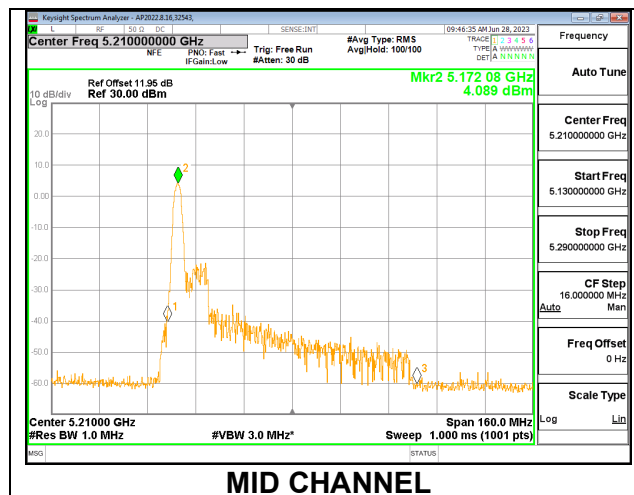
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.47	6.47	24.00	-17.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.089	4.089	11.00	-6.911



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.20	24.00	11.00

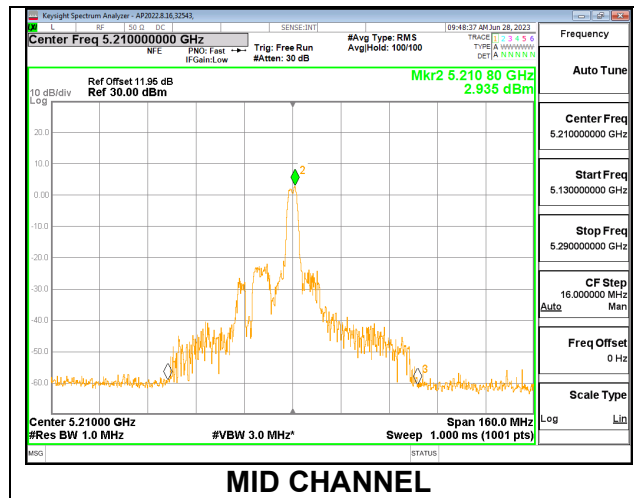
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.46	6.46	24.00	-17.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.935	2.935	11.00	-8.065



**1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.20	24.00	11.00

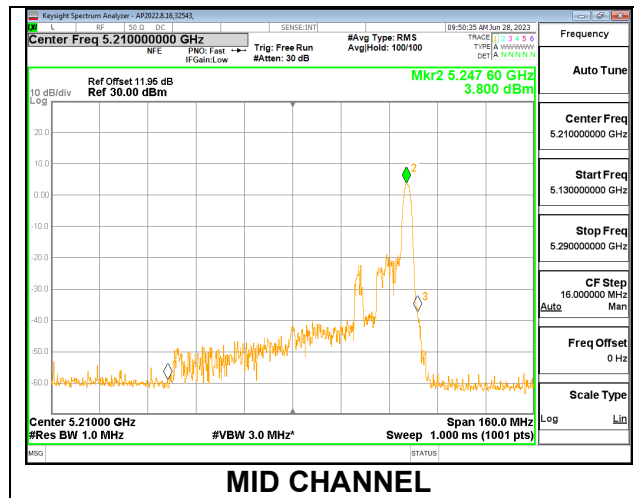
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.46	6.46	24.00	-17.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.800	3.800	11.00	-7.200



**1TX Antenna 6 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.2	24.00	11.00

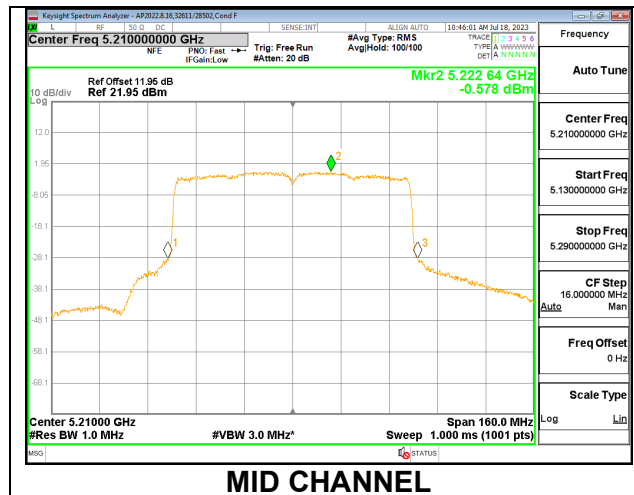
<b>Duty Cycle CF (dB)</b>	0.24	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 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)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-0.578	-0.338	11.00	-11.338



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-4.50	24.00	11.00

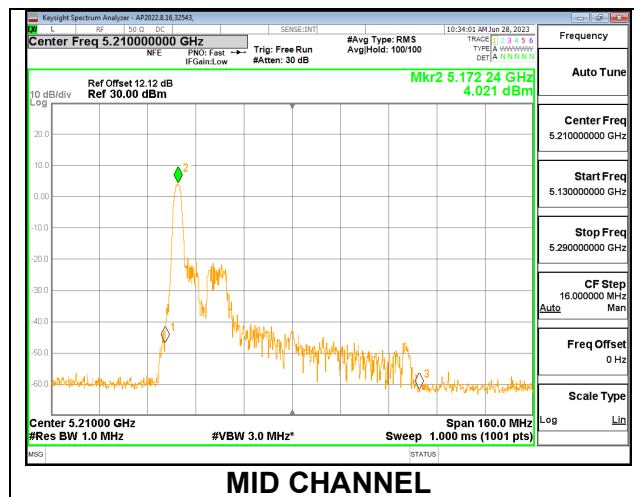
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.45	6.45	24.00	-17.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.021	4.021	11.00	-6.979



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-4.50	24.00	11.00

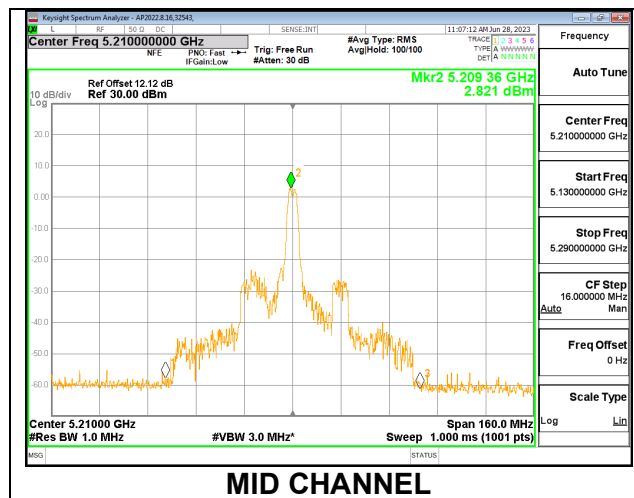
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.44	6.44	24.00	-17.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.821	2.821	11.00	-8.179



**1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-4.50	24.00	11.00

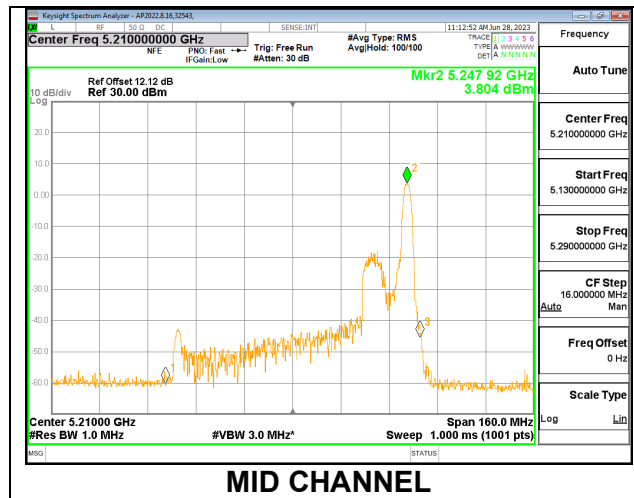
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.43	6.43	24.00	-17.57

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.804	3.804	11.00	-7.196





**1TX Antenna 5 MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-4.50	24.00	11.00

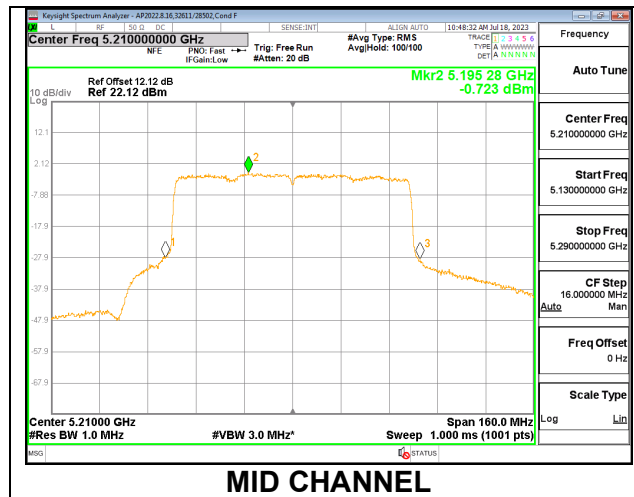
<b>Duty Cycle CF (dB)</b>	0.24	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.41	16.41	24.00	-7.59

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-0.723	-0.483	11.00	-11.483



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-3.80	-0.82	24.00	11.00

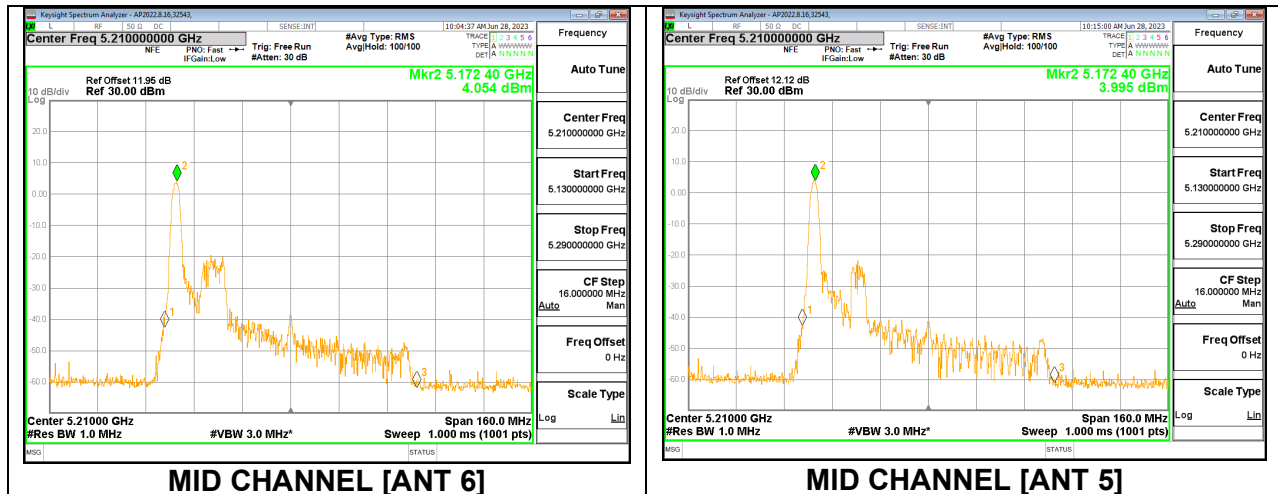
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.42	6.41	9.43	24.00	-14.57

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.054	3.995	7.035	11.00	-3.965



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-3.80	-0.82	24.00	11.00

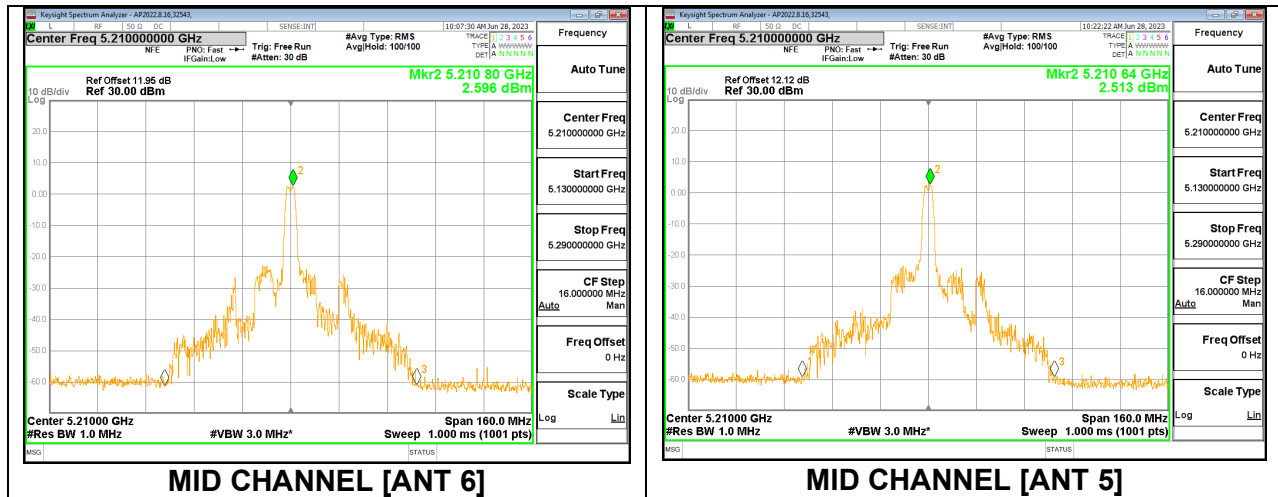
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.43	6.48	9.47	24.00	-14.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.596	2.513	5.565	11.00	-5.435



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-3.80	-0.82	24.00	11.00

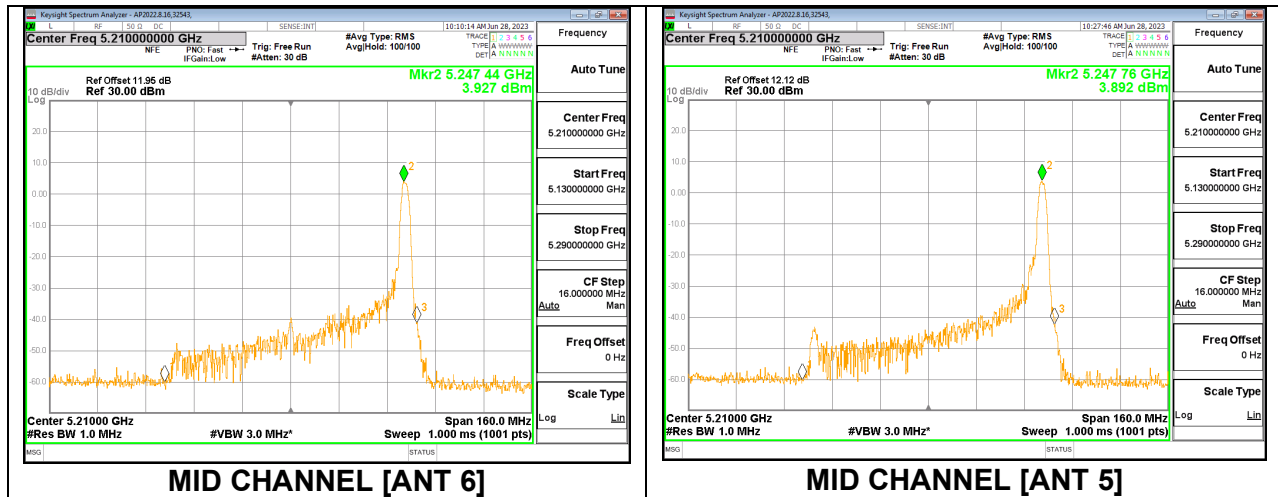
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.44	6.46	9.46	24.00	-14.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.927	3.892	6.920	11.00	-4.080



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-3.80	-0.82	24.00	11.00

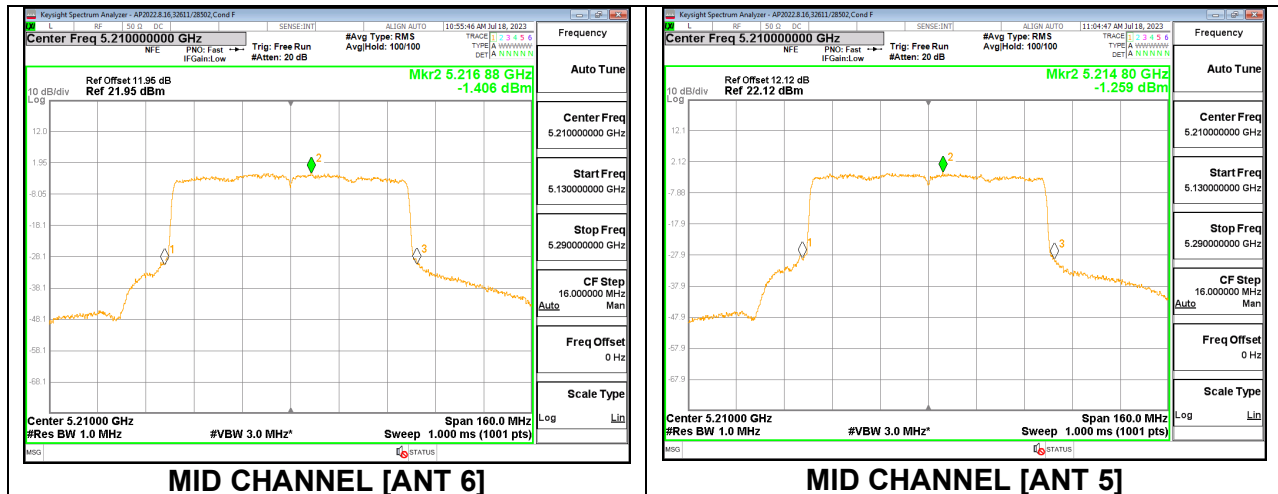
<b>Duty Cycle CF (dB)</b>	0.24	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.48	15.45	18.48	24.00	-5.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-1.406	-1.259	1.918	11.00	-9.082



### 9.4.7. 802.11n HT20 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6 MODE (FCC)

Test Engineer:	32593
Test Date:	7/23/2023

#### Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.06	-2.90	24.00	11.00
Mid	5300	21.11	-2.90	24.00	11.00
High	5320	21.50	-2.90	24.00	11.00

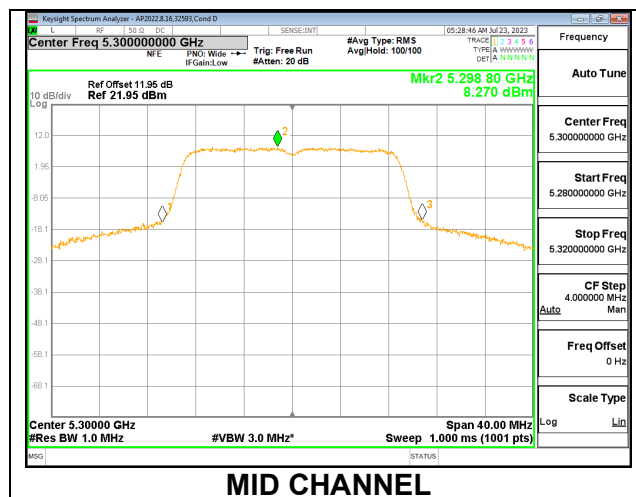
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.46	19.46	24.00	-4.54
Mid	5300	19.47	19.47	24.00	-4.53
High	5320	18.90	18.90	24.00	-5.10

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	8.147	8.147	11.00	-2.853
Mid	5300	8.270	8.270	11.00	-2.730
High	5320	7.870	7.870	11.00	-3.130



**1TX Antenna 5 MODE (FCC)**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.69	-4.90	24.00	11.00
Mid	5300	20.69	-4.90	24.00	11.00
High	5320	21.57	-4.90	24.00	11.00

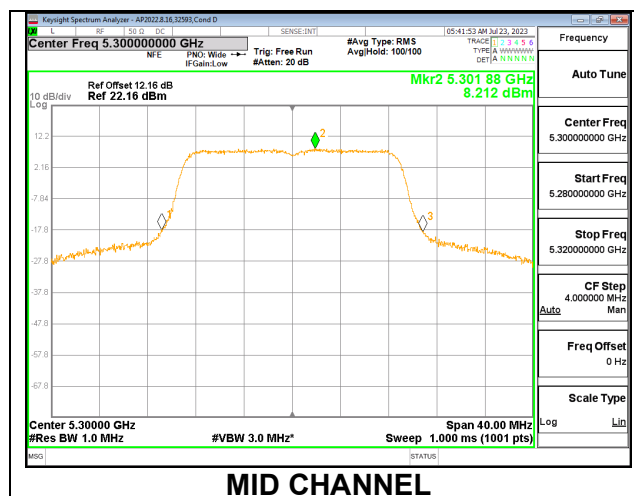
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.47	19.47	24.00	-4.53
Mid	5300	19.44	19.44	24.00	-4.56
High	5320	18.88	18.88	24.00	-5.12

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	8.357	8.357	11.00	-2.643
Mid	5300	8.212	8.212	11.00	-2.788
High	5320	7.856	7.856	11.00	-3.144



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.53	-3.79	-0.83	24.00	11.00
Mid	5300	20.63	-3.79	-0.83	24.00	11.00
High	5320	20.98	-3.79	-0.83	24.00	11.00

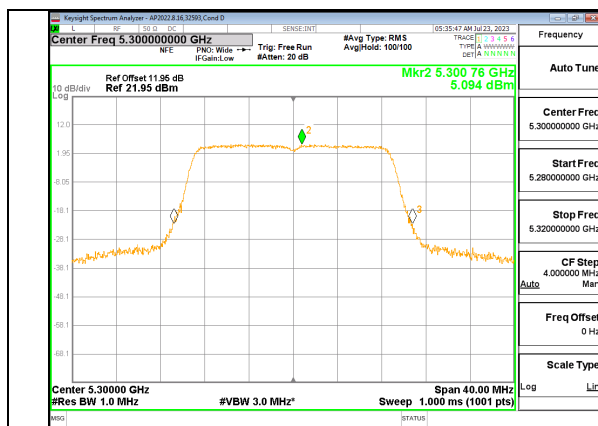
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

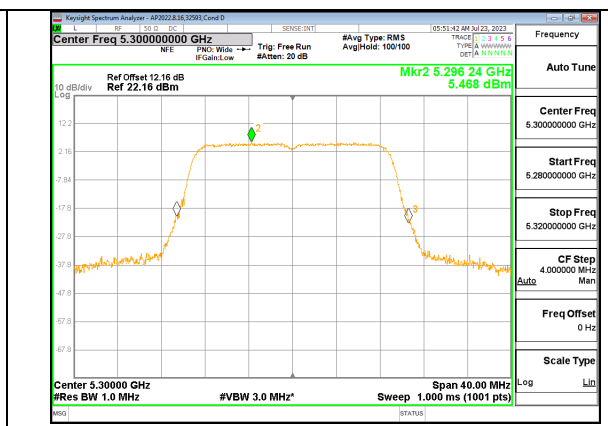
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.43	16.44	19.45	24.00	-4.55
Mid	5300	16.47	16.45	19.47	24.00	-4.53
High	5320	16.48	16.44	19.47	24.00	-4.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	5.152	5.231	8.202	11.00	-2.798
Mid	5300	5.094	5.468	8.295	11.00	-2.705
High	5320	5.106	5.430	8.281	11.00	-2.719



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**



**9.4.8. 802.11n HT40 MODE IN THE 5.3 GHz BAND**

**1TX Antenna 6 MODE (FCC)**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.83	-2.90	24.00	11.00
High	5310	41.05	-2.90	24.00	11.00

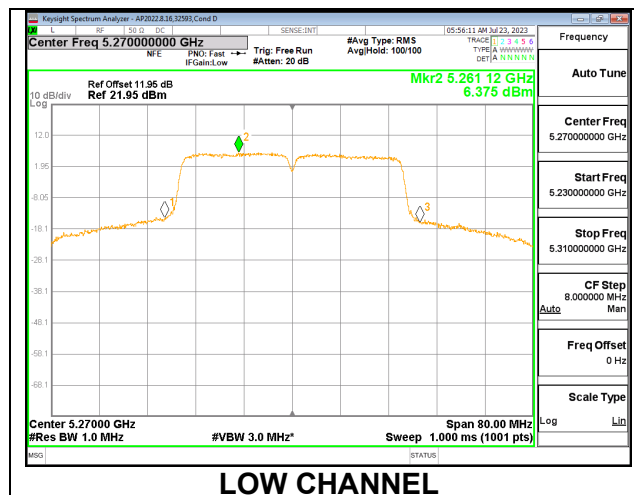
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.44	20.44	24.00	-3.56
High	5310	16.93	16.93	24.00	-7.07

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.375	6.475	11.00	-4.525
High	5310	2.949	3.049	11.00	-7.951



**1TX Antenna 5 MODE (FCC)**

Test Engineer:	32543
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	41.08	-4.90	24.00	11.00
High	5310	40.69	-4.90	24.00	11.00

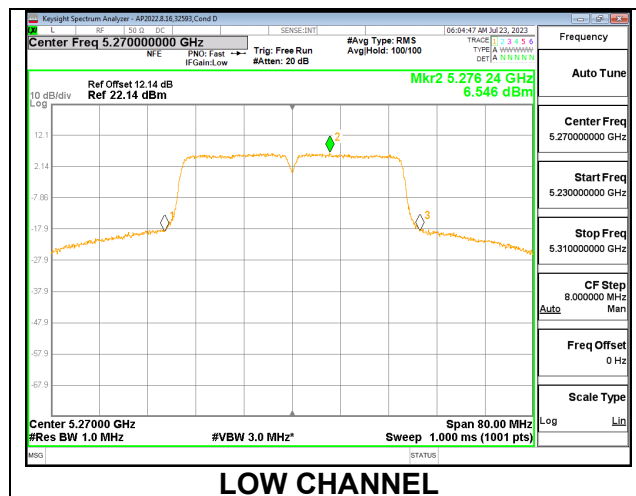
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.41	20.41	24.00	-3.59
High	5310	16.95	16.95	24.00	-7.05

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.546	6.646	11.00	-4.354
High	5310	2.951	3.051	11.00	-7.949



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

Test Engineer:	32543
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.69	-3.79	-0.83	24.00	11.00
High	5310	40.47	-3.79	-0.83	24.00	11.00

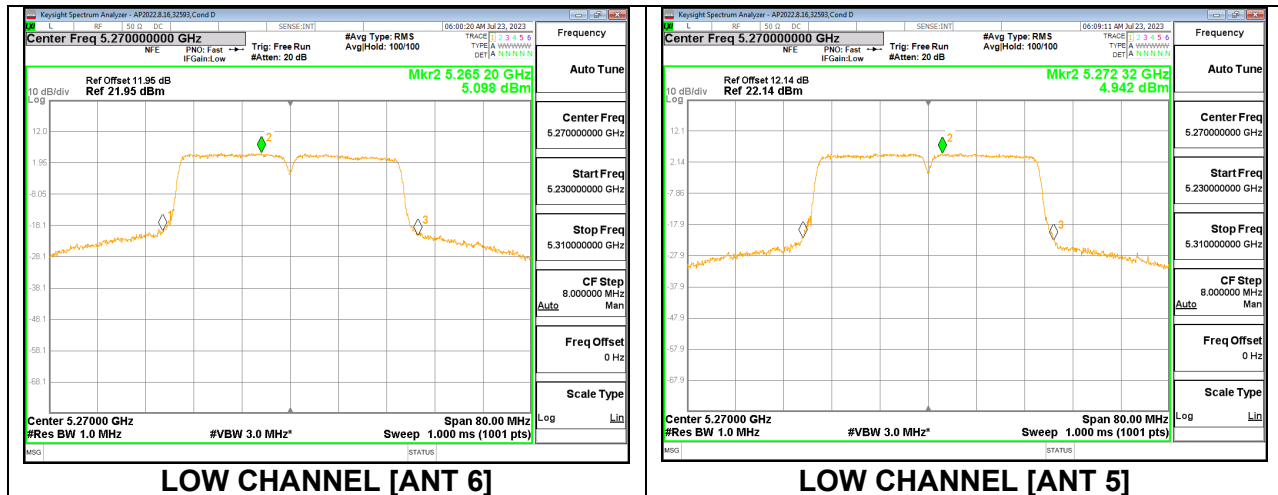
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	18.93	18.91	21.93	24.00	-2.07
High	5310	15.40	15.45	18.44	24.00	-5.56

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	5.098	4.942	8.131	11.00	-2.869
High	5310	1.291	1.480	4.497	11.00	-6.503



### 9.4.9. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

#### 1TX Antenna 6 MODE (FCC)

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/2/2023

#### Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	81.16	-2.90	24.00	11.00

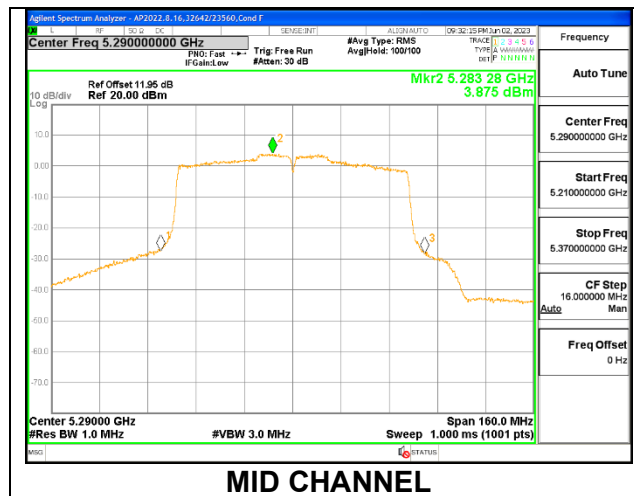
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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#### Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.98	16.98	24.00	-7.02

#### PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.875	4.075	11.00	-6.925



**1TX Antenna 5 MODE (FCC)**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/2/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	82.09	-4.90	24.00	11.00

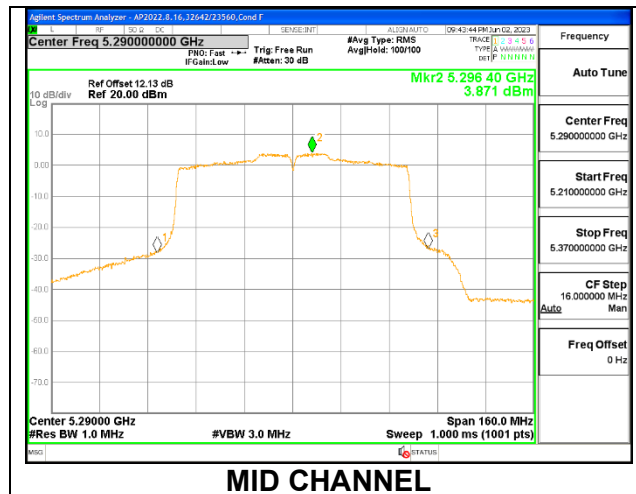
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.91	16.91	24.00	-7.09

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.871	4.071	11.00	-6.929



**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/2/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.32	-3.79	-0.83	24.00	11.00

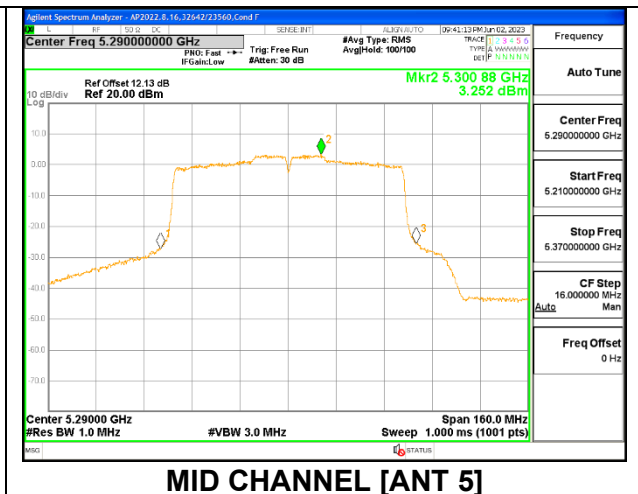
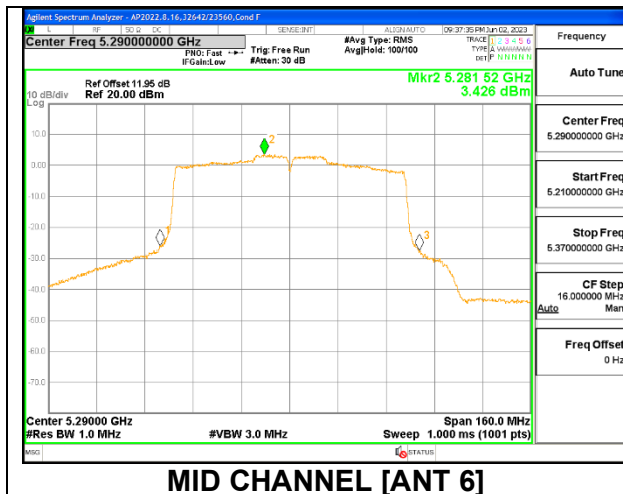
<b>Duty Cycle CF (dB)</b>	0.20	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.45	16.42	19.45	24.00	-4.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.426	3.252	6.550	11.00	-4.450



**9.4.10. 802.11ac VHT160 MODE IN THE 5.3 GHz BAND**

**1TX Antenna 6 MODE (FCC)**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	163.40	-2.90	24.00	11.00

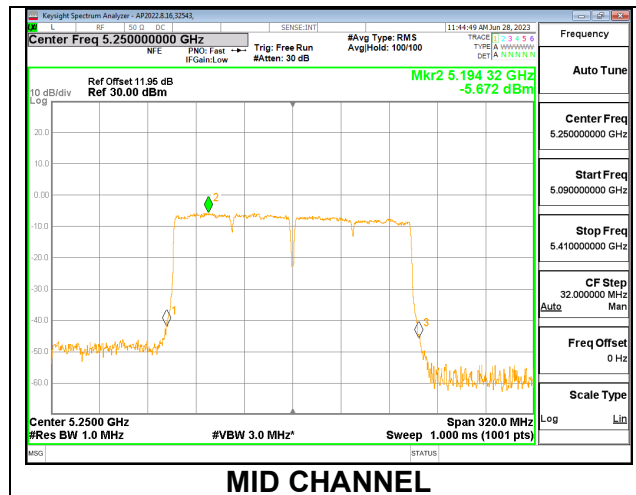
<b>Duty Cycle CF (dB)</b>	0.33	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.46	14.46	24.00	-9.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-5.672	-5.342	11.00	-16.342



**MID CHANNEL**

**1TX Antenna 5 MODE (FCC)**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	164.90	-4.90	24.00	11.00

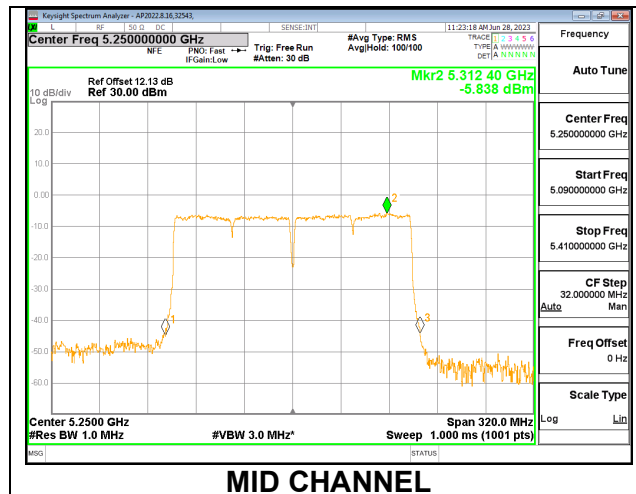
<b>Duty Cycle CF (dB)</b>	0.33	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.42	14.42	24.00	-9.58

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-5.838	-5.508	11.00	-16.508





**2TX Antenna 6 + Antenna 5 CDD MODE (FCC)**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	163.30	-3.79	-0.83	24.00	11.00

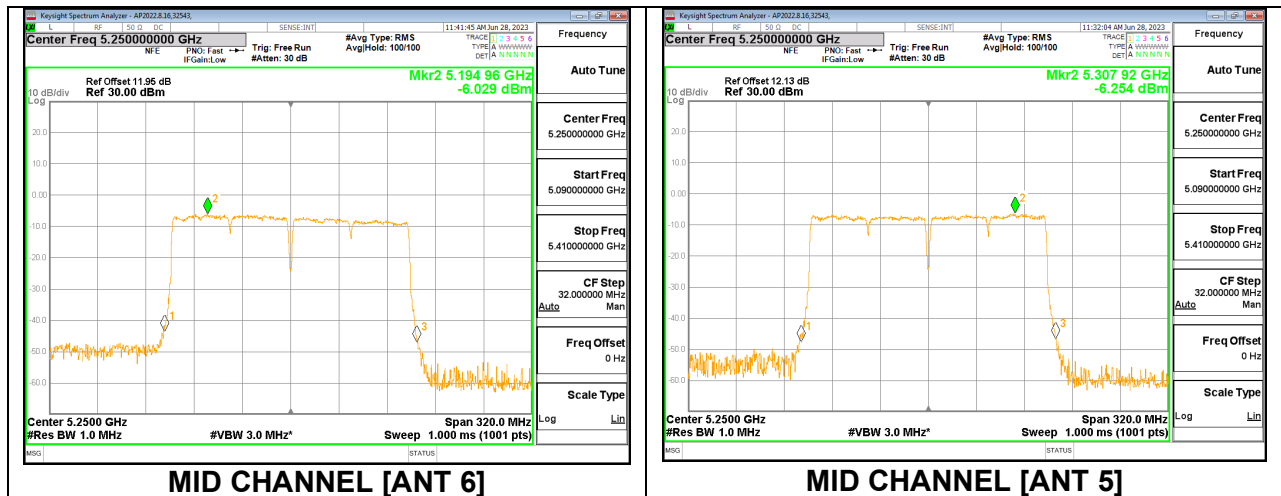
<b>Duty Cycle CF (dB)</b>	0.33	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	13.94	13.94	16.95	24.00	-7.05

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-6.029	-6.254	-2.800	11.00	-13.800



**9.4.11. 802.11ax HE20 MODE IN THE 5.3 GHz BAND**

**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.37	-2.90	23.87	11.00
Mid	5300	19.45	-2.90	23.89	11.00
High	5320	19.56	-2.90	23.91	11.00

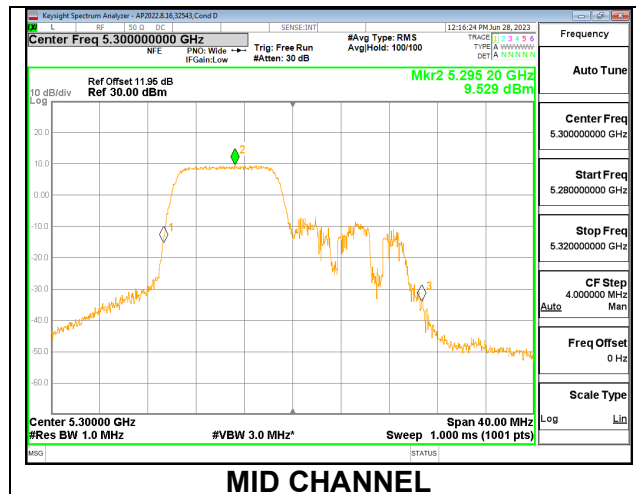
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.42	17.42	23.87	-6.45
Mid	5300	17.45	17.45	23.89	-6.44
High	5320	17.48	17.48	23.91	-6.43

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.256	9.256	11.00	-1.744
Mid	5300	9.529	9.529	11.00	-1.471
High	5320	9.415	9.415	11.00	-1.585



**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 54**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.52	-2.90	23.90	11.00
Mid	5300	19.30	-2.90	23.86	11.00
High	5320	19.45	-2.90	23.89	11.00

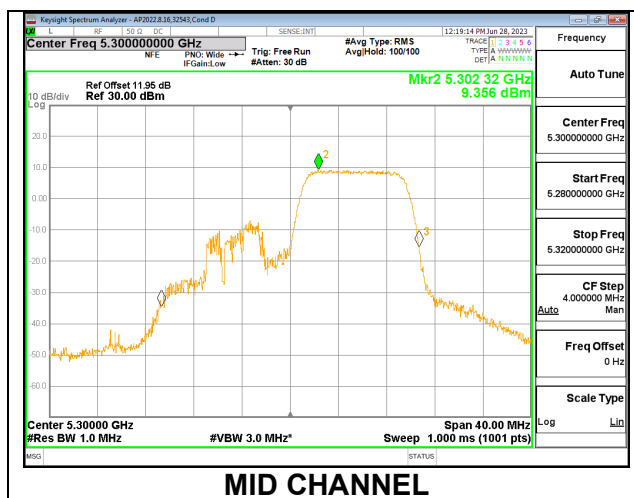
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.45	17.45	23.90	-6.45
Mid	5300	17.45	17.45	23.86	-6.41
High	5320	17.48	17.48	23.89	-6.41

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.309	9.309	11.00	-1.691
Mid	5300	9.356	9.356	11.00	-1.644
High	5320	9.210	9.210	11.00	-1.790



**1TX Antenna 6 MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	7/22/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.73	-2.90	24.00	11.00
Mid	5300	20.44	-2.90	24.00	11.00
High	5320	21.02	-2.90	24.00	11.00

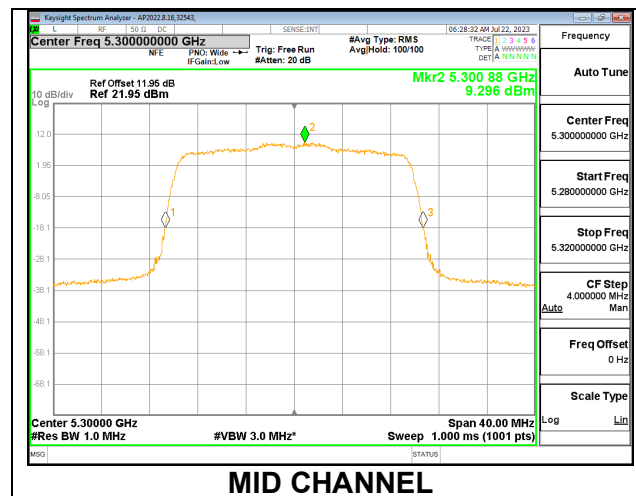
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.46	19.46	24.00	-4.54
Mid	5300	19.45	19.45	24.00	-4.55
High	5320	17.90	17.90	24.00	-6.10

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.414	9.414	11.00	-1.586
Mid	5300	9.296	9.296	11.00	-1.704
High	5320	7.547	7.547	11.00	-3.453



**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.32	-4.90	23.86	11.00
Mid	5300	19.38	-4.90	23.87	11.00
High	5320	19.33	-4.90	23.86	11.00

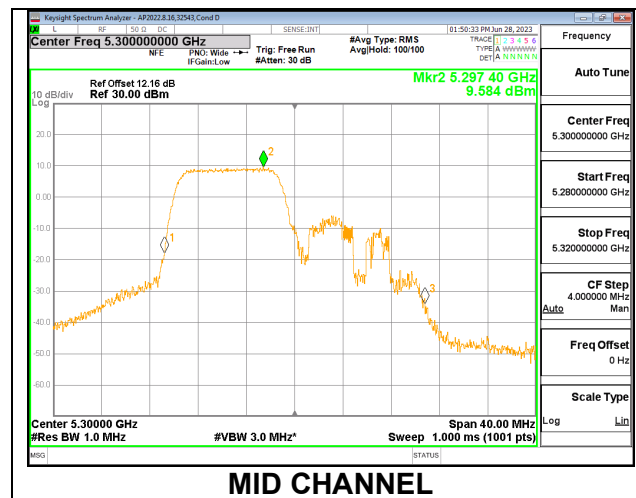
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.44	17.44	23.86	-6.42
Mid	5300	17.45	17.45	23.87	-6.42
High	5320	17.46	17.46	23.86	-6.40

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.262	9.262	11.00	-1.738
Mid	5300	9.584	9.584	11.00	-1.416
High	5320	9.335	9.335	11.00	-1.665



**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 54**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.32	-4.90	23.86	11.00
Mid	5300	19.27	-4.90	23.85	11.00
High	5320	19.25	-4.90	23.84	11.00

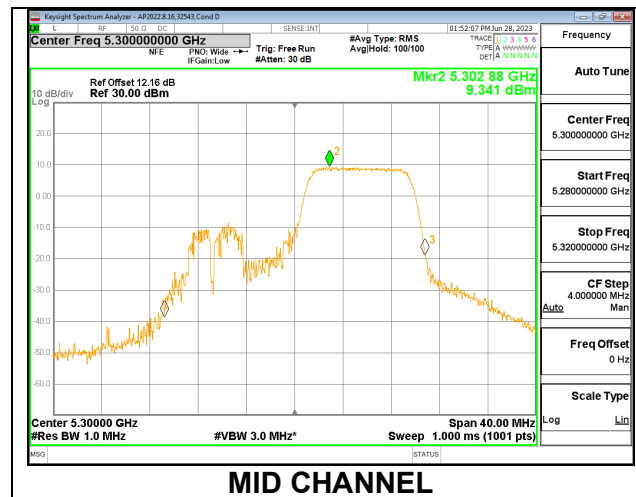
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.45	17.45	23.86	-6.41
Mid	5300	17.43	17.43	23.85	-6.42
High	5320	17.41	17.41	23.84	-6.43

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.381	9.381	11.00	-1.619
Mid	5300	9.341	9.341	11.00	-1.659
High	5320	9.226	9.226	11.00	-1.774



**1TX Antenna 5 MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	7/22/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.28	-4.90	24.00	11.00
Mid	5300	20.48	-4.90	24.00	11.00
High	5320	20.48	-4.90	24.00	11.00

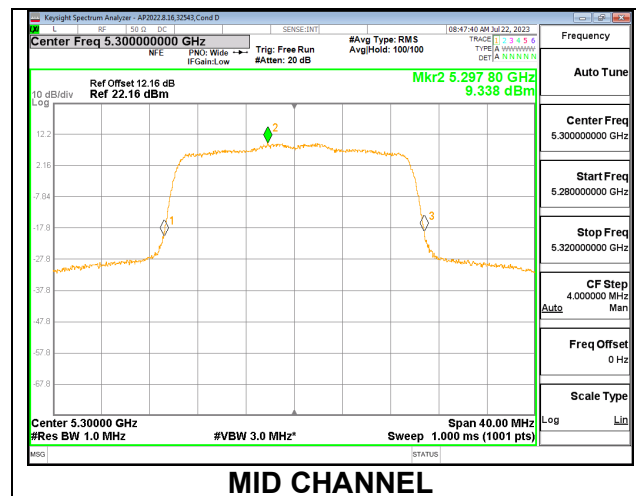
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.42	19.42	24.00	-4.58
Mid	5300	19.45	19.45	24.00	-4.55
High	5320	17.92	17.92	24.00	-6.08

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.115	9.115	11.00	-1.885
Mid	5300	9.338	9.338	11.00	-1.662
High	5320	7.542	7.542	11.00	-3.458



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.03	-3.79	-0.83	24.00	11.00
Mid	5300	20.09	-3.79	-0.83	24.00	11.00
High	5320	20.20	-3.79	-0.83	24.00	11.00

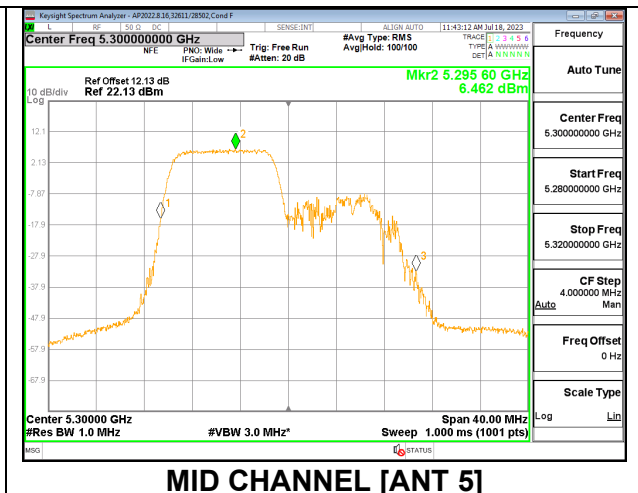
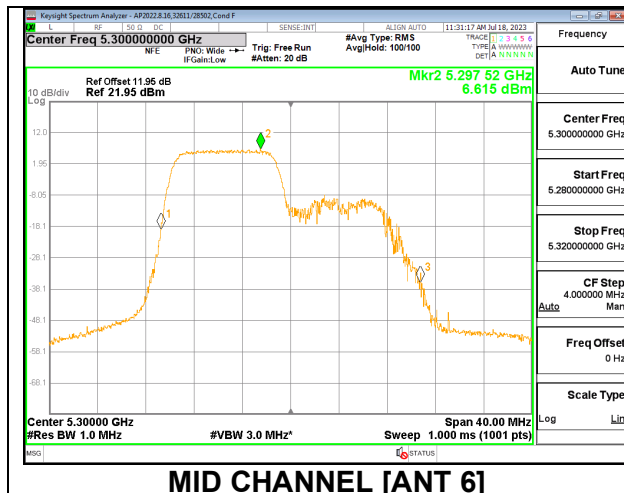
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	14.45	14.43	17.45	24.00	-6.55
Mid	5300	14.40	14.41	17.42	24.00	-6.58
High	5320	14.47	14.45	17.47	24.00	-6.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.332	6.568	9.462	11.00	-1.538
Mid	5300	6.615	6.462	9.549	11.00	-1.451
High	5320	6.907	6.514	9.725	11.00	-1.275





**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 54**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.85	-3.79	-0.83	23.98	11.00
Mid	5300	19.70	-3.79	-0.83	23.94	11.00
High	5320	19.71	-3.79	-0.83	23.95	11.00

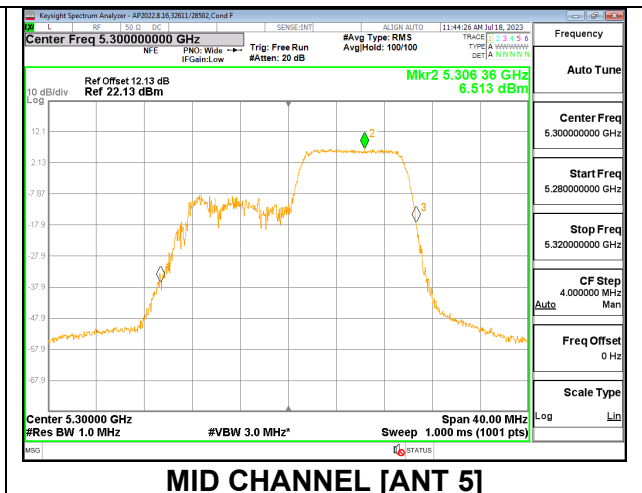
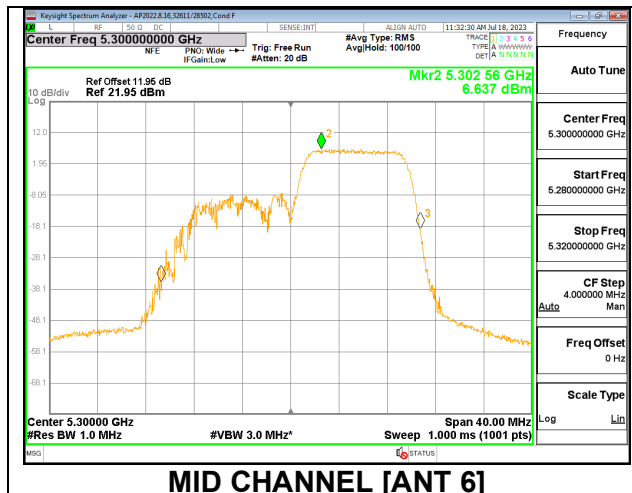
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	14.40	14.40	17.41	23.98	-6.57
Mid	5300	14.47	14.41	17.45	23.94	-6.49
High	5320	14.46	14.43	17.46	23.95	-6.49

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.664	6.527	9.606	11.00	-1.394
Mid	5300	6.637	6.513	9.586	11.00	-1.414
High	5320	6.617	6.447	9.543	11.00	-1.457



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	7/22/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.58	-3.79	-0.83	24.00	11.00
Mid	5300	20.71	-3.79	-0.83	24.00	11.00
High	5320	20.99	-3.79	-0.83	24.00	11.00

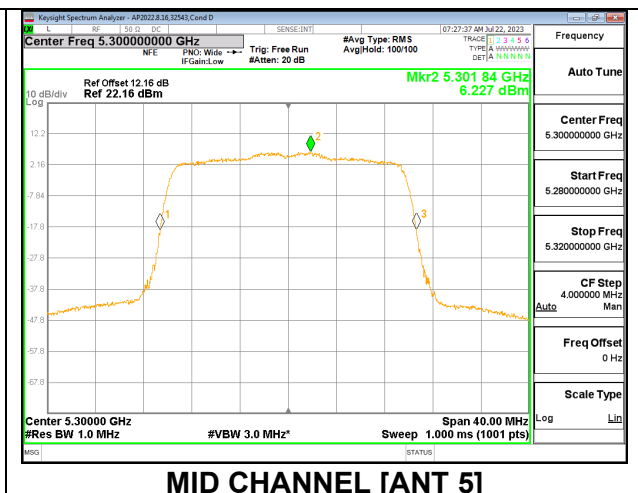
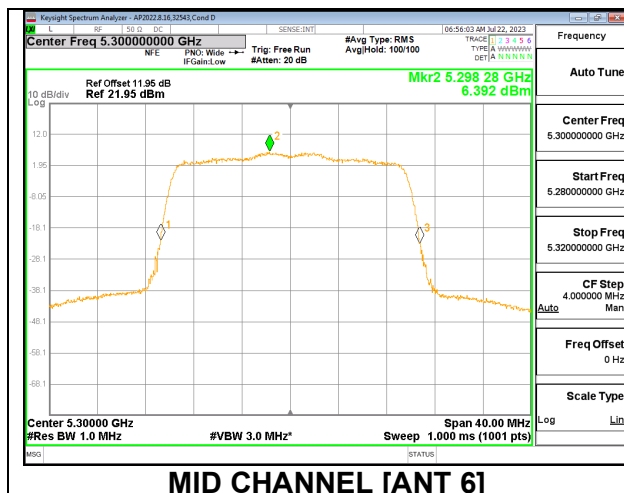
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.45	16.48	19.48	24.00	-4.52
Mid	5300	16.44	16.44	19.45	24.00	-4.55
High	5320	16.47	16.47	19.48	24.00	-4.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.361	6.253	9.318	11.00	-1.682
Mid	5300	6.392	6.227	9.321	11.00	-1.679
High	5320	6.296	6.354	9.335	11.00	-1.665



**9.4.12. 802.11ax HE40 MODE IN THE 5.3 GHz BAND**

**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32593
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	21.47	-2.90	24.00	11.00
High	5310	21.27	-2.90	24.00	11.00

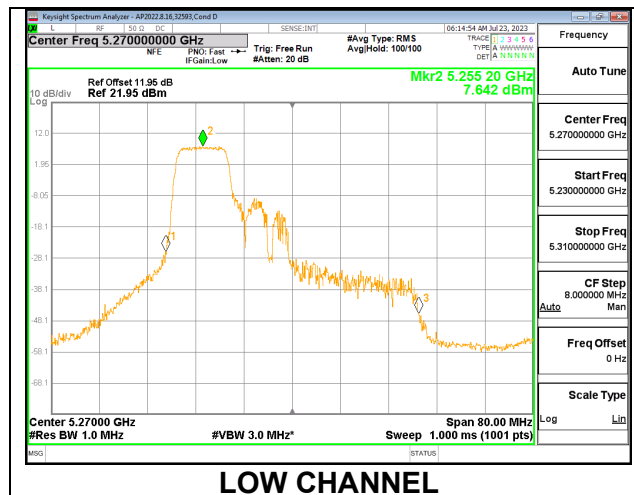
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.46	15.46	24.00	-8.54
High	5310	14.91	14.91	24.00	-9.09

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.642	7.642	11.00	-3.358
High	5310	6.845	6.845	11.00	-4.155



**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 54**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	26.27	-2.90	24.00	11.00
High	5310	25.95	-2.90	24.00	11.00

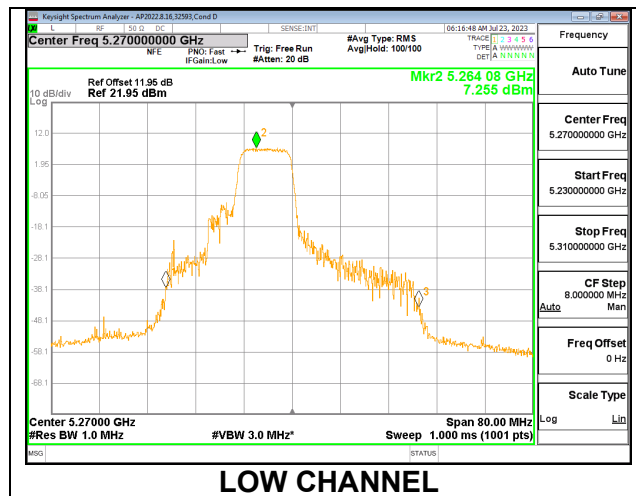
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.45	15.45	24.00	-8.55
High	5310	14.95	14.95	24.00	-9.05

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.255	7.255	11.00	-3.745
High	5310	7.063	7.063	11.00	-3.937



**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 56**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.93	-2.90	24.00	11.00
High	5310	22.58	-2.90	24.00	11.00

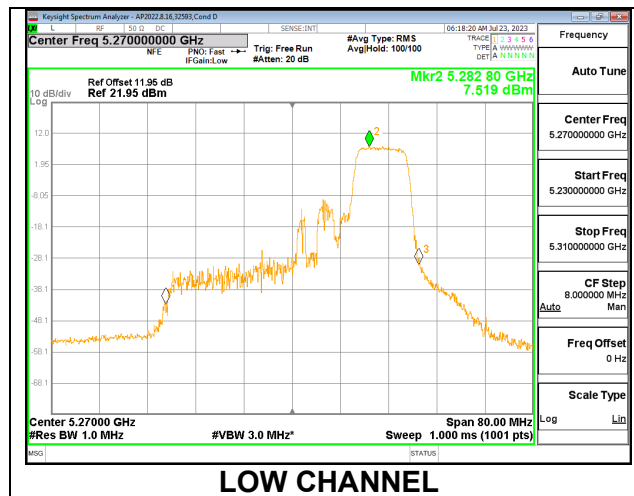
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.41	15.41	24.00	-8.59
High	5310	14.90	14.90	24.00	-9.10

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.519	7.519	11.00	-3.481
High	5310	6.882	6.882	11.00	-4.118



**1TX Antenna 6 MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.71	-2.90	24.00	11.00
High	5310	40.13	-2.90	24.00	11.00

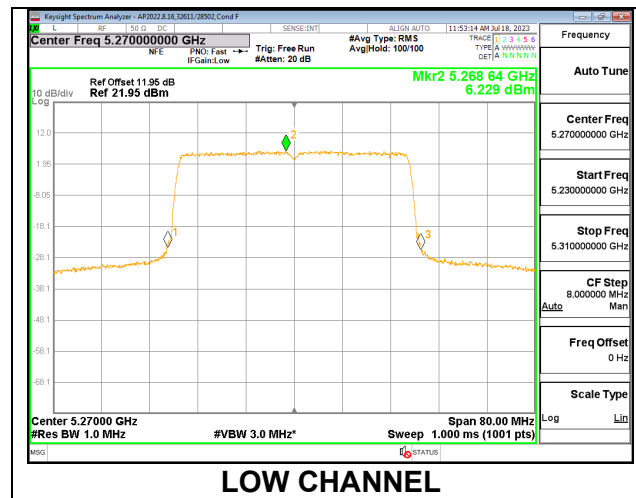
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.48	20.48	24.00	-3.52
High	5310	15.98	15.98	24.00	-8.02

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.229	6.359	11.00	-4.641
High	5310	1.268	1.398	11.00	-9.602



**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32593
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.04	-4.90	24.00	11.00
High	5310	21.43	-4.90	24.00	11.00

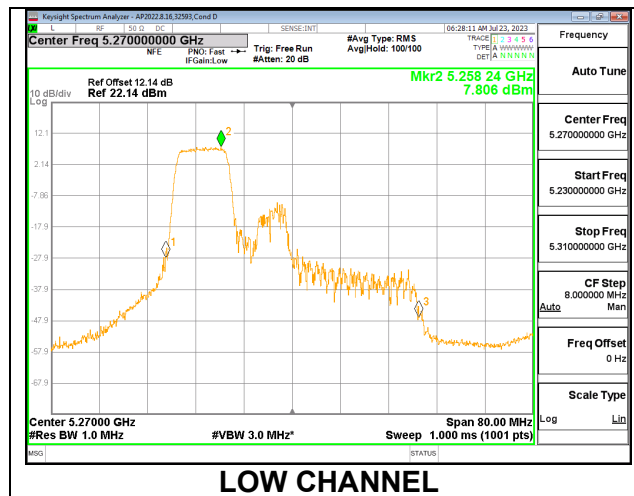
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.47	15.47	24.00	-8.53
High	5310	14.92	14.92	24.00	-9.08

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.806	7.806	11.00	-3.194
High	5310	6.787	6.787	11.00	-4.213



**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 54**

<b>Test Engineer:</b>	32593
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	26.53	-4.90	24.00	11.00
High	5310	28.51	-4.90	24.00	11.00

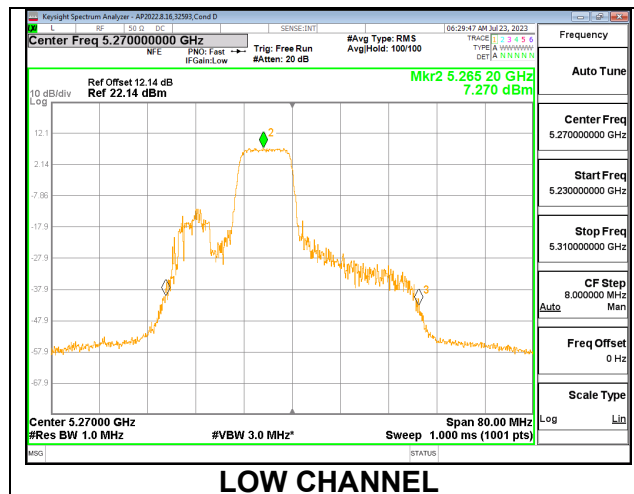
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.41	15.41	24.00	-8.59
High	5310	14.92	14.92	24.00	-9.08

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.270	7.270	11.00	-3.730
High	5310	7.027	7.027	11.00	-3.973





**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 56**

<b>Test Engineer:</b>	32593
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.59	-4.90	24.00	11.00
High	5310	22.45	-4.90	24.00	11.00

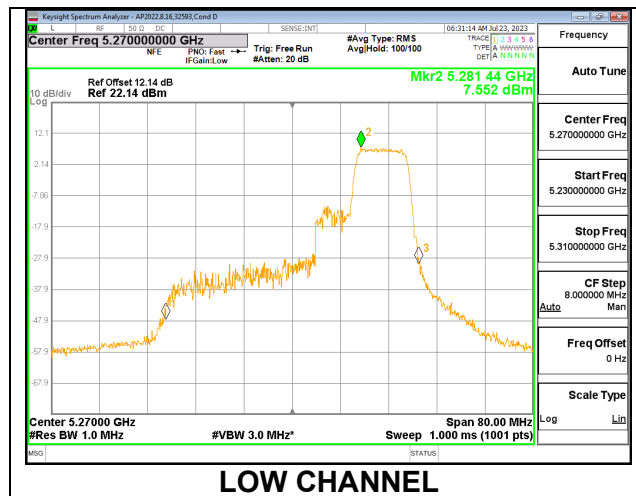
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.40	15.40	24.00	-8.60
High	5310	14.93	14.93	24.00	-9.07

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.552	7.552	11.00	-3.448
High	5310	6.950	6.950	11.00	-4.050



**1TX Antenna 5 MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	28502
<b>Test Date:</b>	7/18/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.12	-4.90	24.00	11.00
High	5310	43.54	-4.90	24.00	11.00

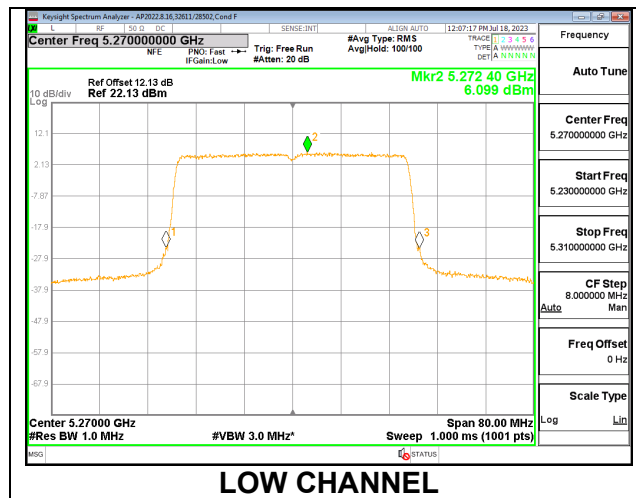
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.48	20.48	24.00	-3.52
High	5310	15.96	15.96	24.00	-8.04

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.099	6.229	11.00	-4.771
High	5310	1.566	1.696	11.00	-9.304



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 53**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	21.00	-3.79	-0.83	24.00	11.00
High	5310	20.79	-3.79	-0.83	24.00	11.00

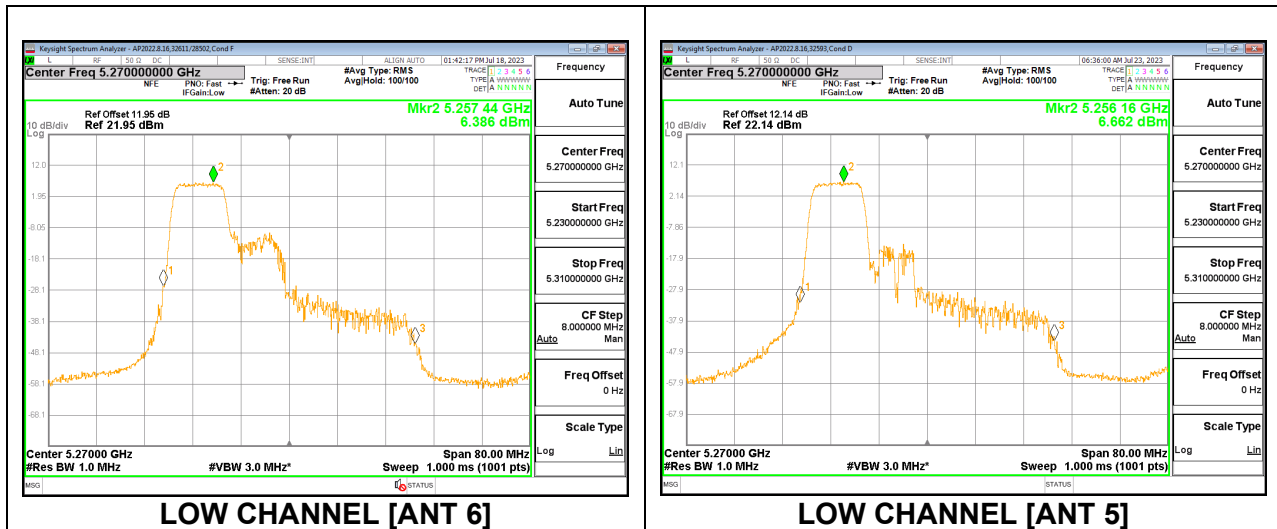
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.42	14.40	17.42	24.00	-6.58
High	5310	14.46	14.48	17.48	24.00	-6.52

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.386	6.662	9.536	11.00	-1.464
High	5310	6.324	6.224	9.285	11.00	-1.715



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 54**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	26.27	-3.79	-0.83	24.00	11.00
High	5310	25.83	-3.79	-0.83	24.00	11.00

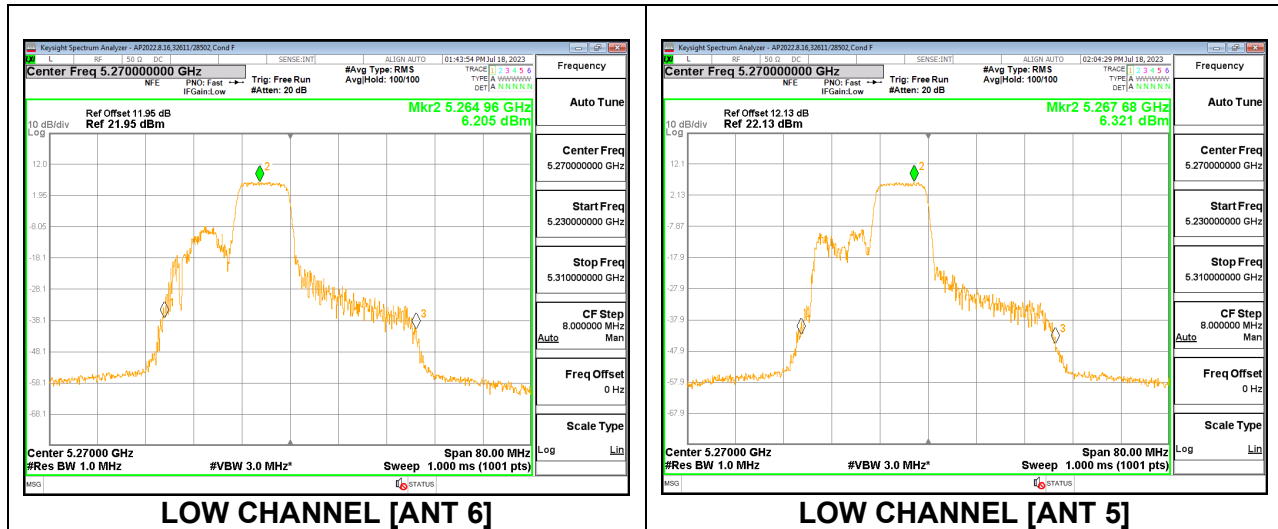
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.48	14.43	17.47	24.00	-6.53
High	5310	14.45	14.42	17.45	24.00	-6.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.205	6.321	9.274	11.00	-1.726
High	5310	6.142	6.242	9.203	11.00	-1.797



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 56**

Test Engineer:	32593
Test Date:	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	20.42	-3.79	-0.83	24.00	11.00
High	5310	20.19	-3.79	-0.83	24.00	11.00

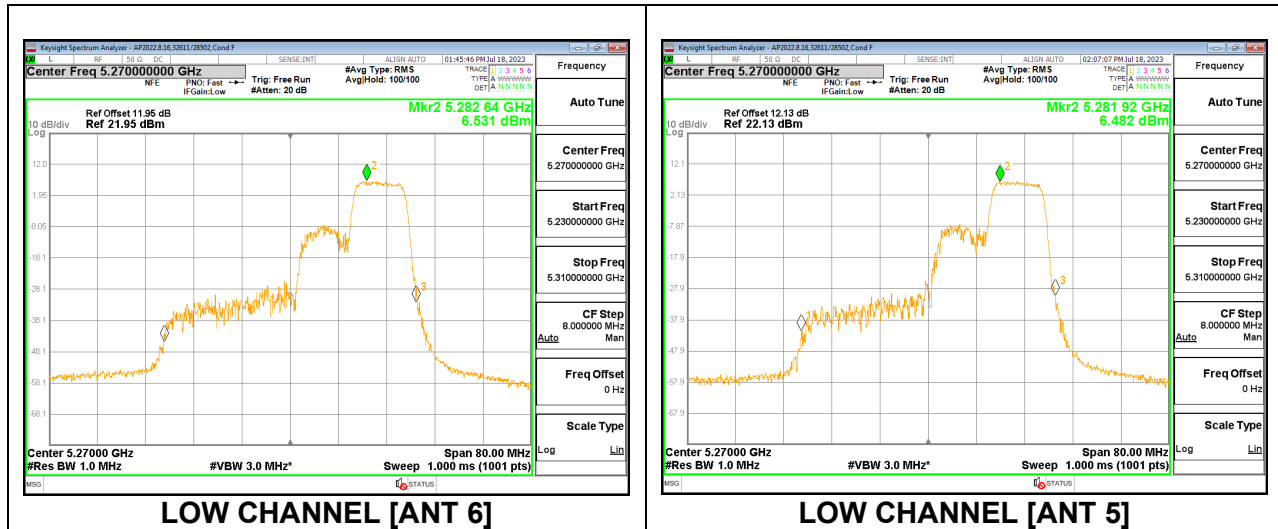
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.46	14.40	17.44	24.00	-6.56
High	5310	14.46	14.45	17.47	24.00	-6.53

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.531	6.482	9.517	11.00	-1.483
High	5310	6.575	6.521	9.558	11.00	-1.442



**2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	7/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.34	-3.79	-0.83	24.00	11.00
High	5310	41.15	-3.79	-0.83	24.00	11.00

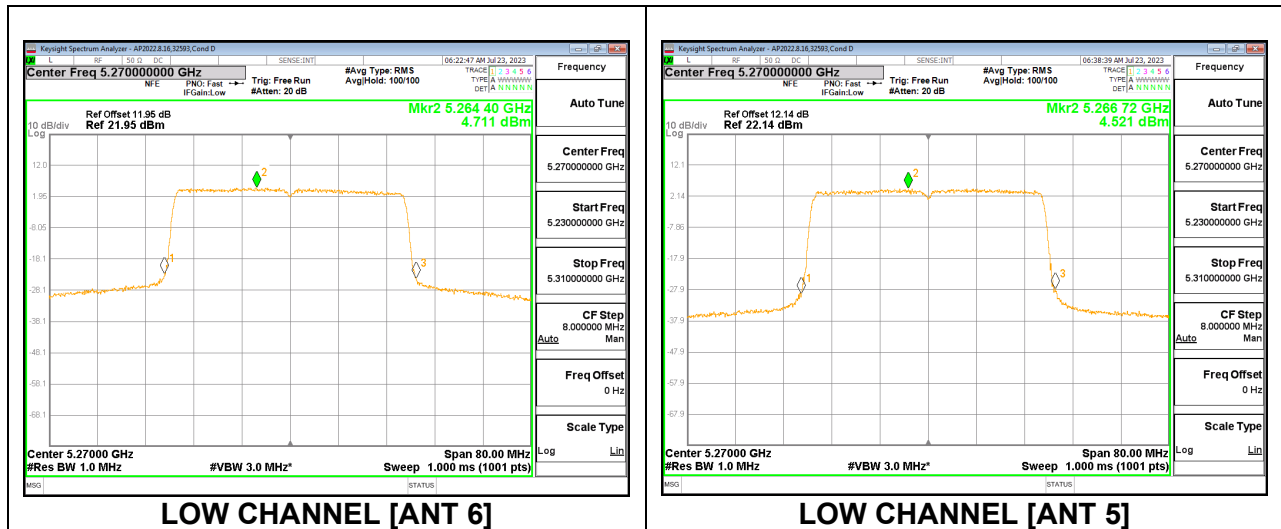
<b>Duty Cycle CF (dB)</b>	0.13	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	18.90	18.94	21.93	24.00	-2.07
High	5310	15.45	15.45	18.46	24.00	-5.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	4.711	4.521	7.757	11.00	-3.243
High	5310	1.399	1.079	4.382	11.00	-6.618



**9.4.13. 802.11ax HE80 MODE IN THE 5.3 GHz BAND**

**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32453
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.08	-2.90	24.00	11.00

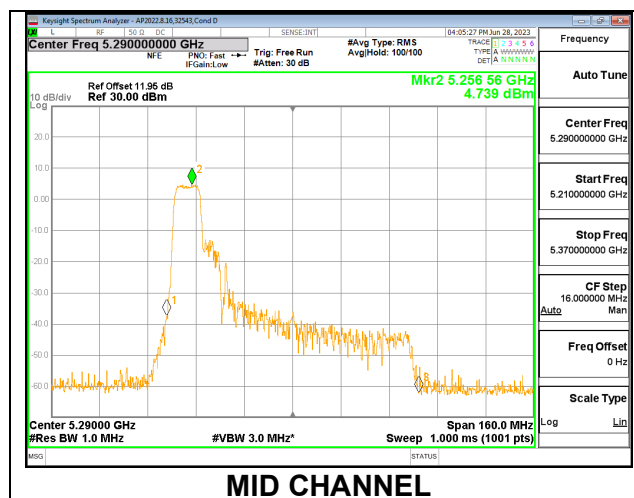
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.45	12.45	24.00	-11.55

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.739	4.739	11.00	-6.261



**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 56**

Test Engineer:	32453
Test Date:	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	25.63	-2.90	24.00	11.00

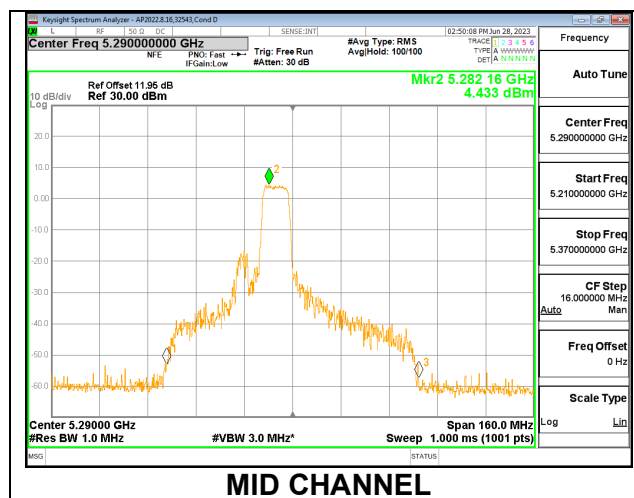
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.43	12.43	24.00	-11.57

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.433	4.433	11.00	-6.567





**1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index 60**

Test Engineer:	32453
Test Date:	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.66	-2.90	24.00	11.00

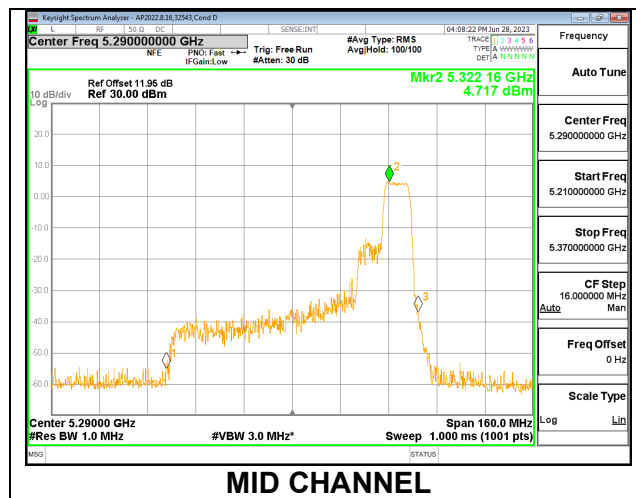
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.42	12.42	24.00	-11.58

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.717	4.717	11.00	-6.283



**1TX Antenna 6 MODE (FCC) – SU Mode**

<b>Test Engineer:</b>	23560
<b>Test Date:</b>	6/3/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.71	-2.90	24.00	11.00

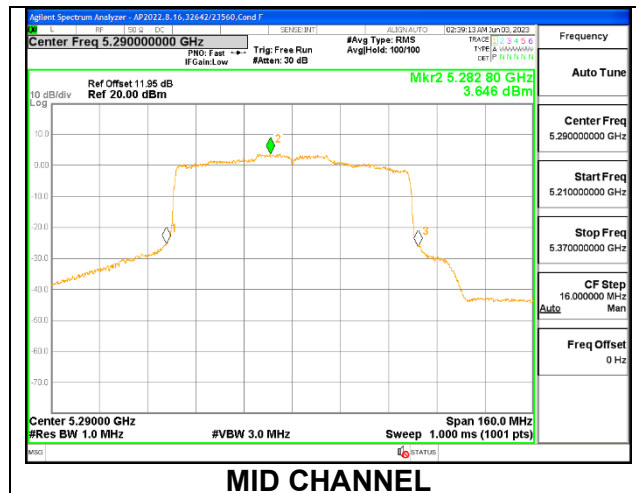
<b>Duty Cycle CF (dB)</b>	0.24	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.91	16.91	24.00	-7.09

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.646	3.886	11.00	-7.114



**1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 53**

<b>Test Engineer:</b>	32543
<b>Test Date:</b>	6/28/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.43	-4.90	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)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.46	12.46	24.00	-11.54

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.486	4.486	11.00	-6.514

