

**2TX Antenna 2 + Antenna 4 CDD MODE: SU (Single User)**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38
Mid	5200	4.61	7.62	24.00	9.38
High	5240	4.61	7.62	24.00	9.38

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	15.06	15.79	18.45	24.00	-5.55
Mid	5200	15.31	15.66	18.50	24.00	-5.50
High	5240	15.65	15.95	18.81	24.00	-5.19

### 9.5.2. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND (FCC)

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

#### 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	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	2.00	<b>Included in Calculations of Corr'd PSD</b>
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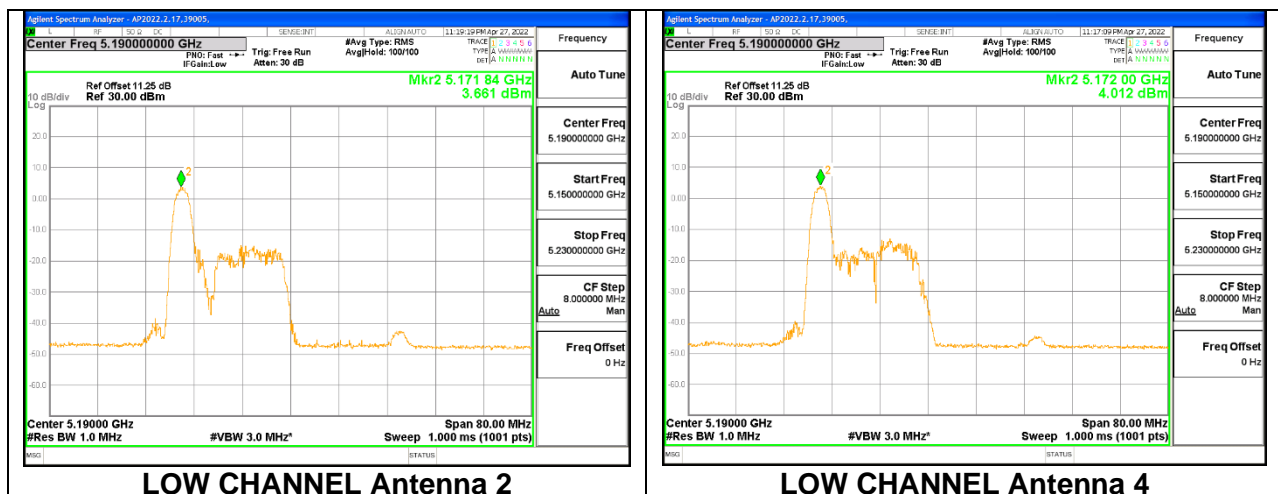
#### Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.71	10.56	13.17	24.00	-10.83

#### PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	3.661	4.012	8.85	9.38	-0.53

### LOW CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
High	5230	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	2.00	<b>Included in Calculations of Corr'd PSD</b>
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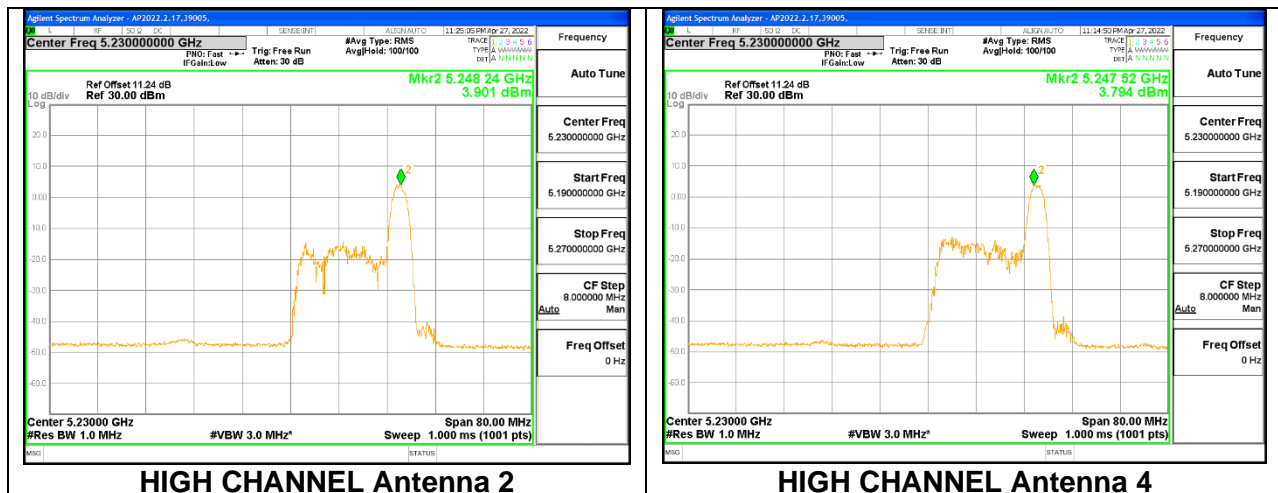
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5230	10.20	10.52	13.37	24.00	-10.63

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
High	5230	3.901	3.794	8.86	9.38	-0.52

**HIGH CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38
High	5230	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	2.94	<b>Included in Calculations of Corr'd PSD</b>
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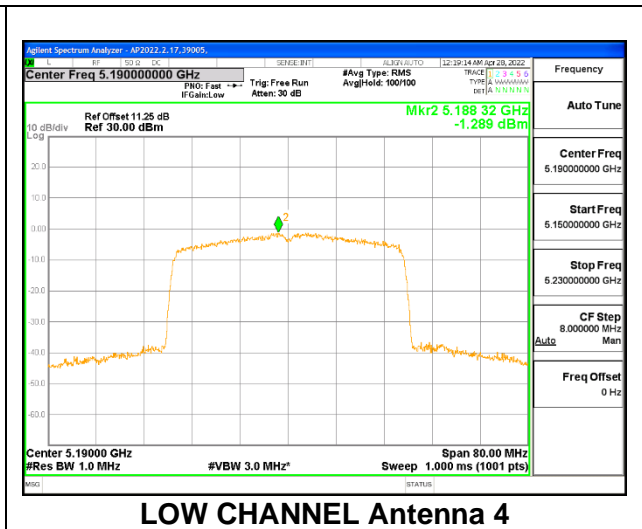
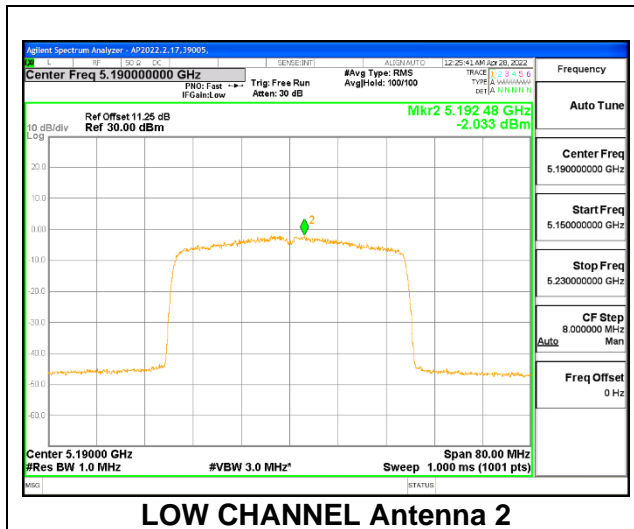
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	14.52	15.44	18.01	24.00	-5.99
High	5230	14.52	15.17	17.87	24.00	-6.13

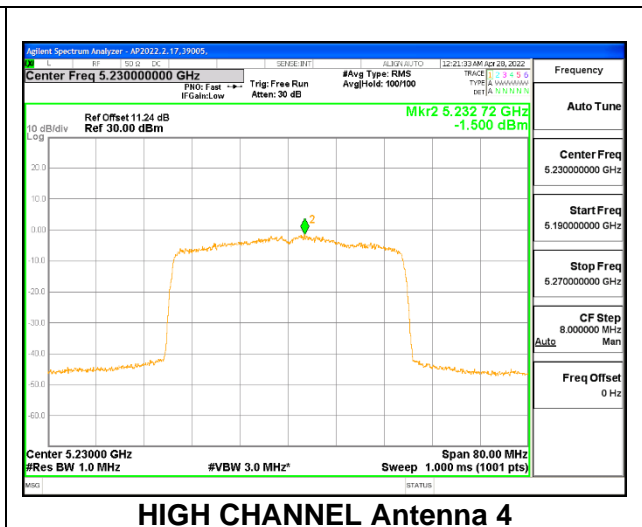
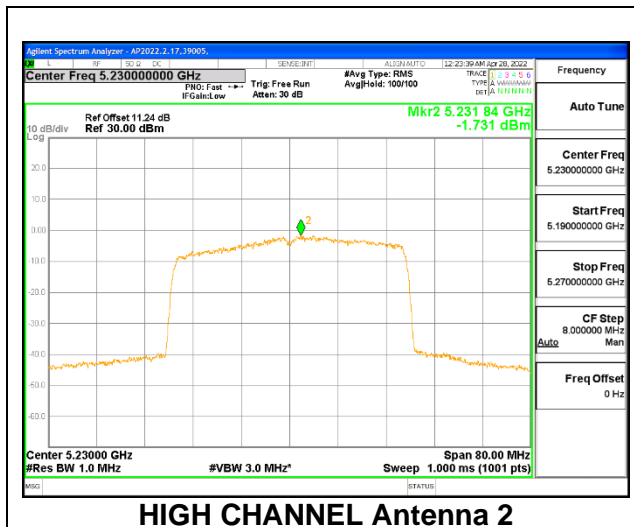
**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-2.033	-1.289	4.31	9.38	-5.07
High	5230	-1.731	-1.500	4.34	9.38	-5.04

### LOW CHANNEL



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38
High	5230	4.61	7.62	24.00	9.38

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	14.65	15.74	18.24	24.00	-5.76
High	5230	14.48	15.31	17.93	24.00	-6.07

### 9.5.3. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND (FCC)

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

#### 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	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PSD</b>
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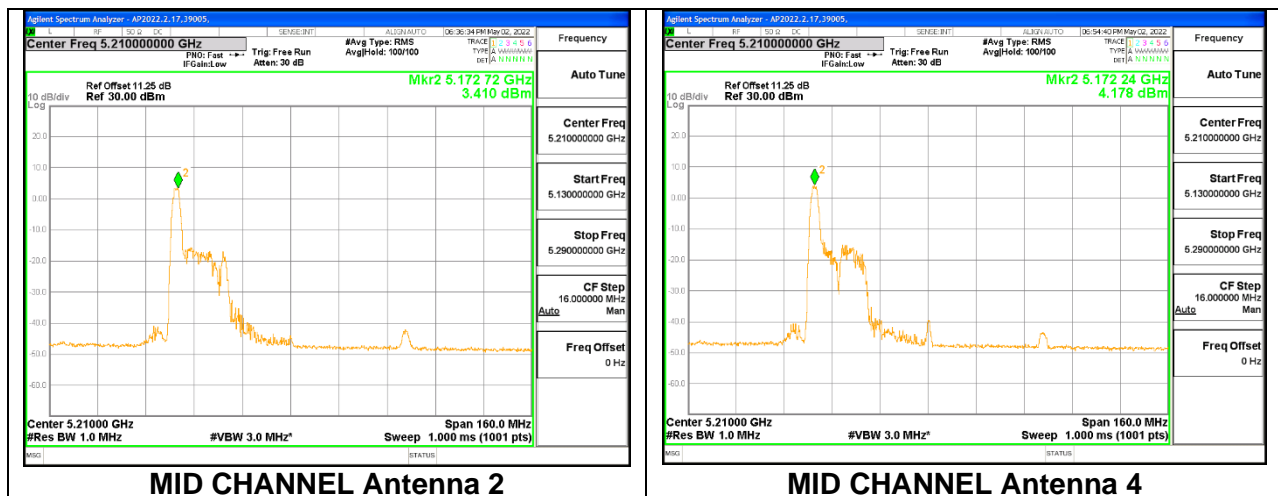
#### Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.17	9.47	12.33	24.00	-11.67

#### PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	3.410	4.178	8.79	9.38	-0.59

### MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 18**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PSD</b>
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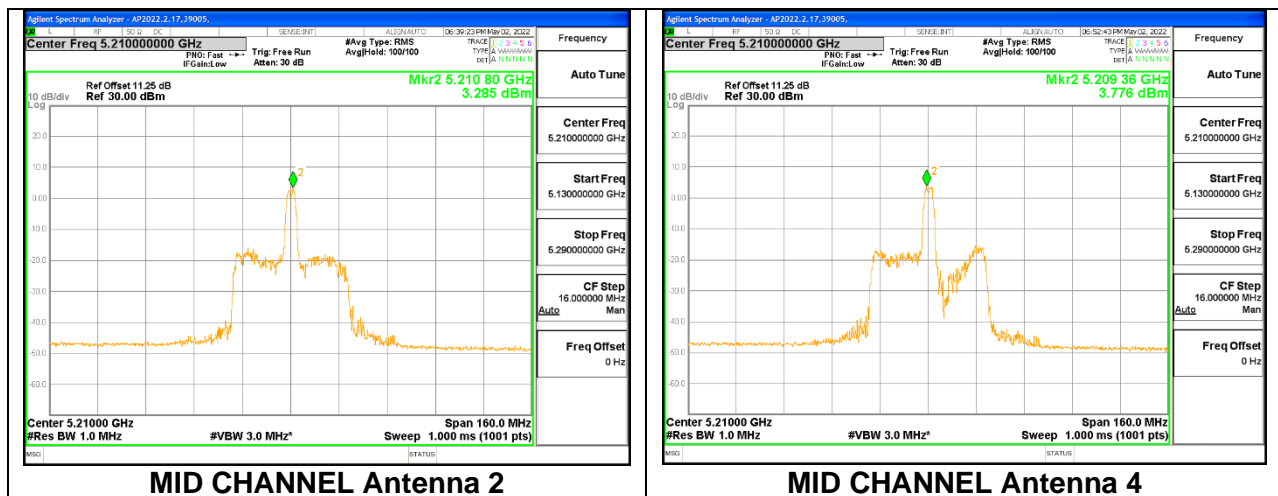
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.35	9.78	12.58	24.00	-11.42

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	3.285	3.776	8.52	9.38	-0.86

**MID CHANNEL**





**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PSD</b>
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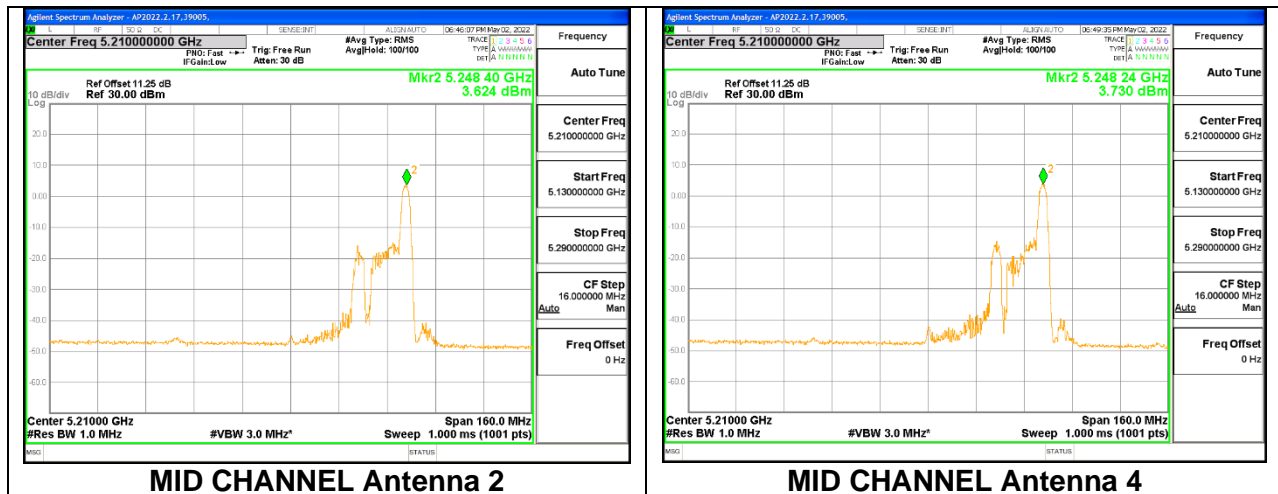
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	9.33	9.37	12.36	24.00	-11.64

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	3.624	3.730	8.66	9.38	-0.72

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38

<b>Duty Cycle CF (dB)</b>	3.25	<b>Included in Calculations of Corr'd PSD</b>
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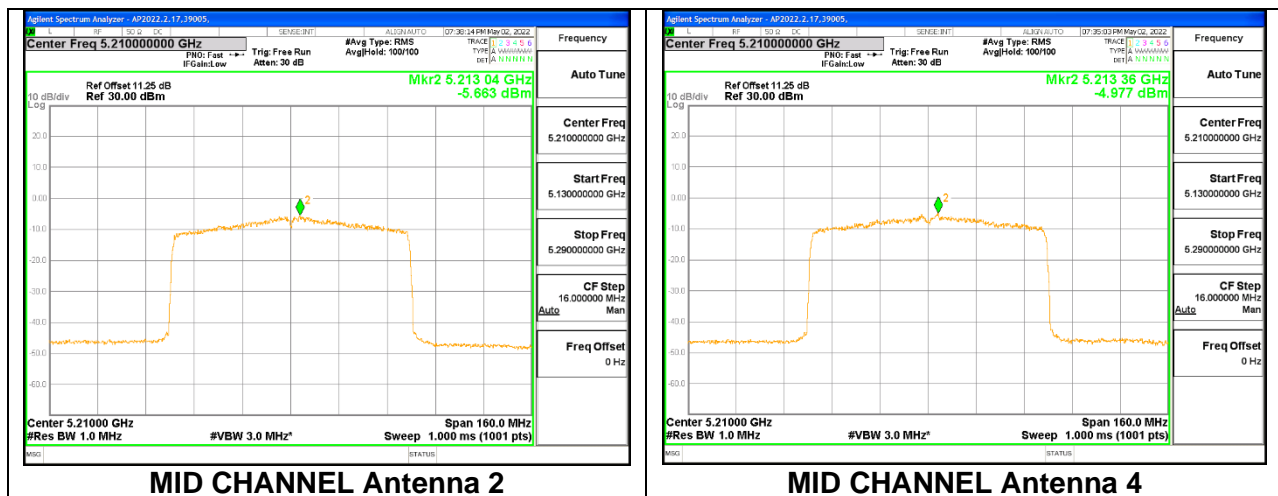
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.44	14.72	17.59	24.00	-6.41

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	-5.663	-4.977	0.95	9.38	-8.43

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.61	7.62	24.00	9.38

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.21	14.71	17.48	24.00	-6.52

**9.5.4. 802.11ax HE20 MODE 2TX IN THE 5.2GHz BAND (IC)**

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.521

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.68	10.00

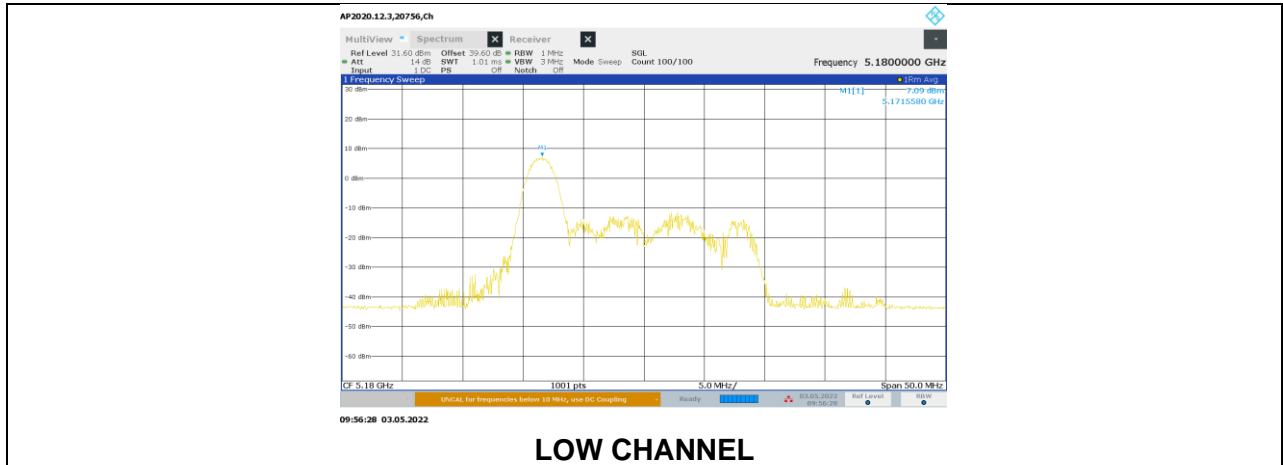
<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.07	22.68	-11.61

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.11	10.00	-0.89



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

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5200	17.054

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Mid	5200	22.32	10.00

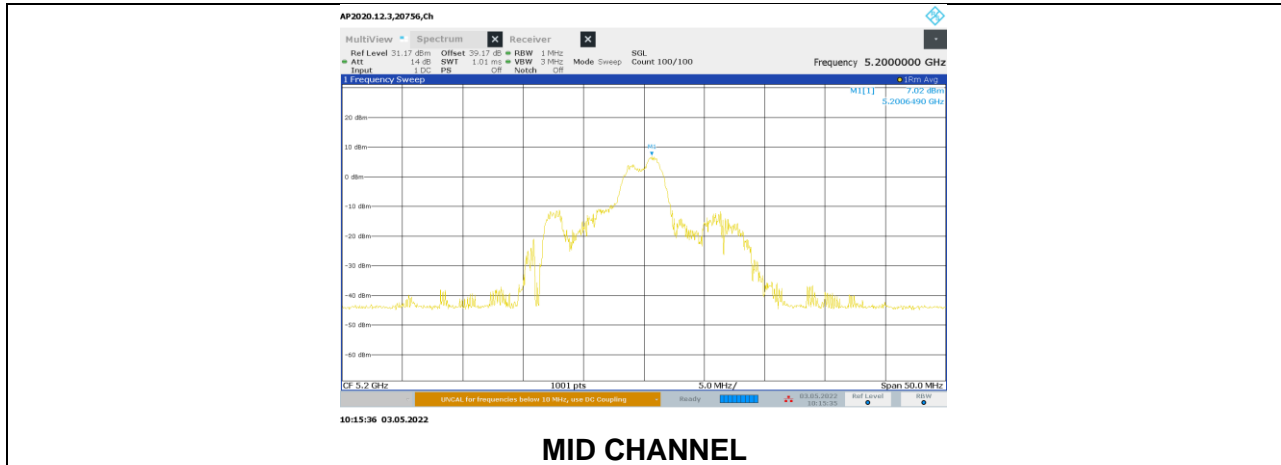
<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5200	11.48	22.32	-10.84

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5200	9.04	10.00	-0.96



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8**

<b>Test Engineer:</b>	AD19497
<b>Test Date:</b>	5/9/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5240	18.550

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
High	5240	22.68	10.00

<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PSD</b>
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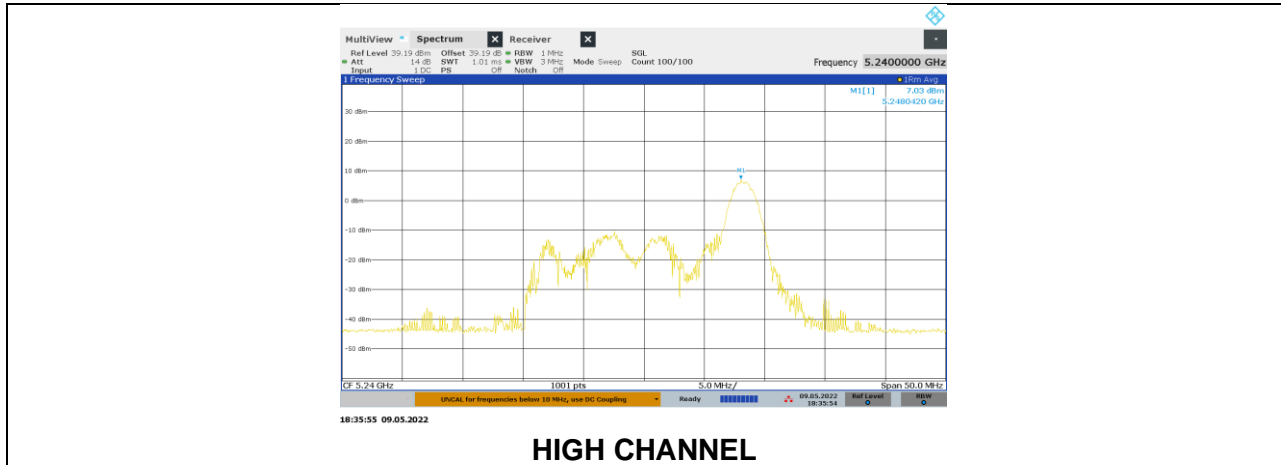
**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5240	10.88	22.68	-11.80

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5240	9.05	10.00	-0.95





**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.899
Mid	5200	18.893
High	5240	18.930

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Low	5180	22.76	10.00
Mid	5200	22.76	10.00
High	5240	22.77	10.00

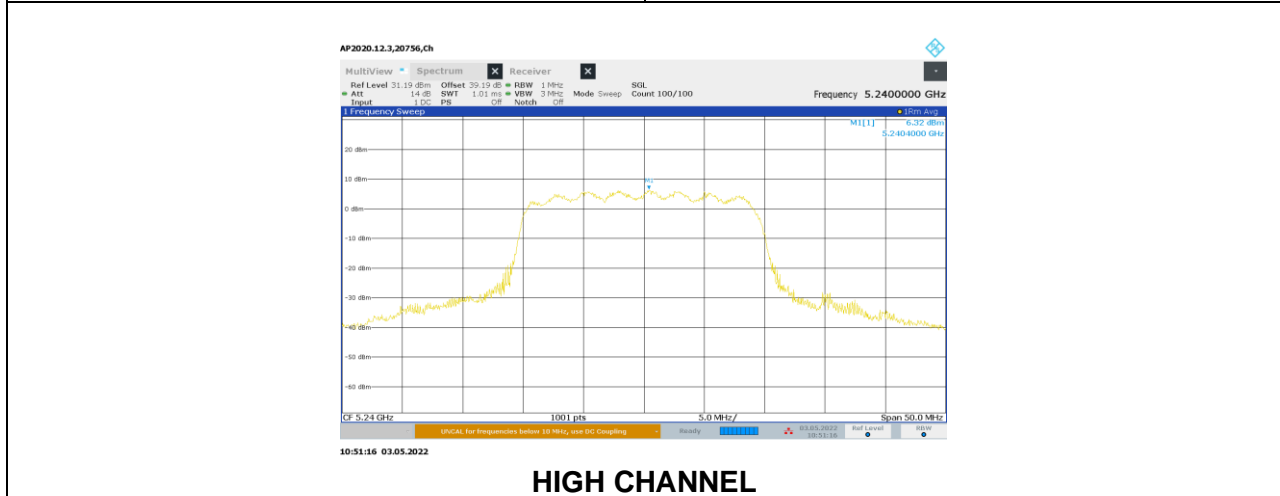
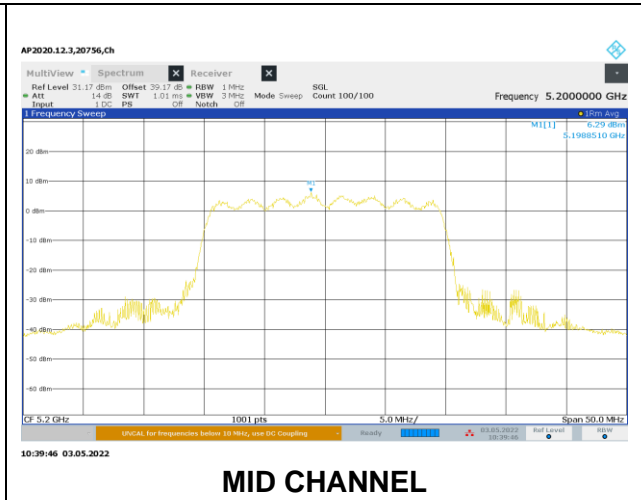
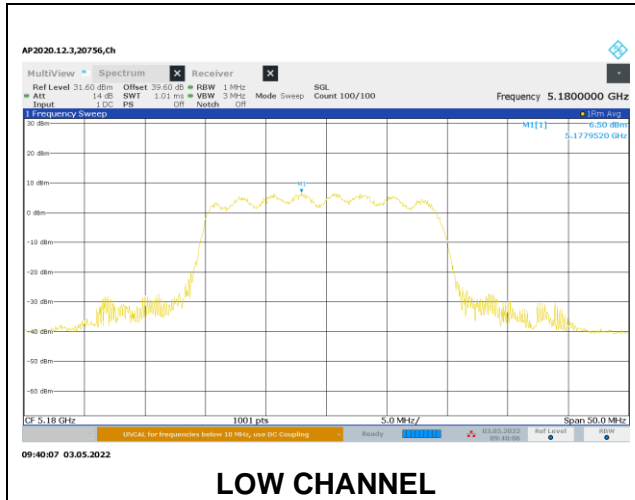
<b>Duty Cycle CF (dB)</b>	2.91	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.56	22.76	-5.21
Mid	5200	16.74	22.76	-6.03
High	5240	18.25	22.77	-4.52

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.41	10.00	-0.59
Mid	5200	9.20	10.00	-0.80
High	5240	9.23	10.00	-0.77



**2TX Antenna 2 + Antenna 4 CDD MODE: SU, Single User**

Tested output power only

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	18.946
Mid	5200	18.390
High	5240	18.941

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Low	5180	22.78
Mid	5200	22.65
High	5240	22.77

**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.25	22.78	-6.53
Mid	5200	15.62	22.65	-7.03
High	5240	16.06	22.77	-6.71

### 9.5.5. 802.11ax HE40 MODE 2TX IN THE 5.2GHz BAND (IC)

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	CW20756
Test Date:	5/3/2022

(Note: IC PSD was tested by radiated method)

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	17.925

#### Limits

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Low	5190	22.53	10.00

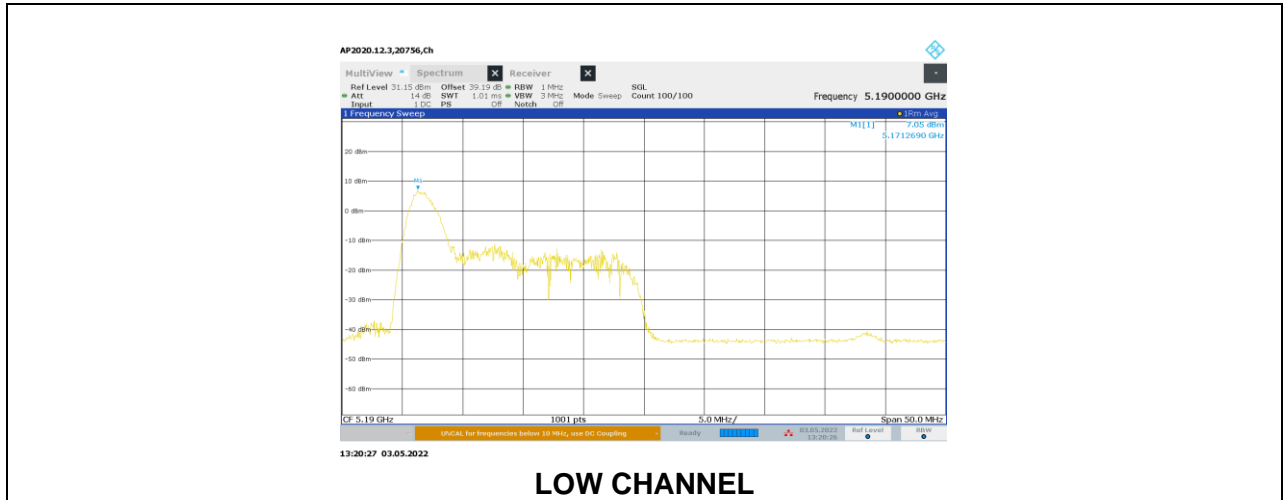
Duty Cycle CF (dB)	2.00	Included in Calculations of Corr'd PSD
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#### Output Power Results

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.82	22.53	-11.71

#### PSD Results

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.05	10.00	-0.95



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
High	5230	17.869

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
High	5230	22.52	10.00

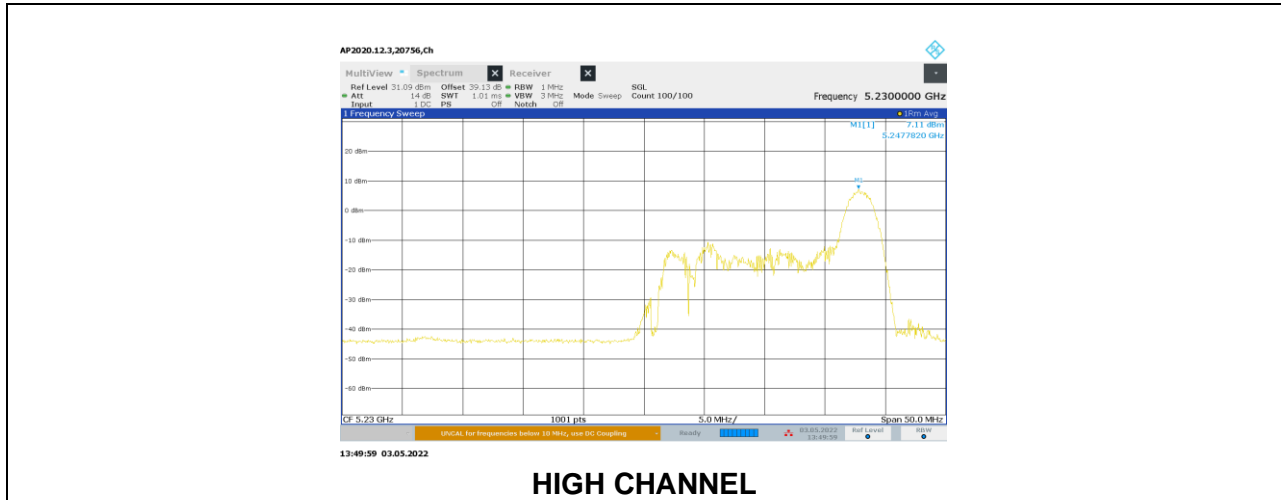
<b>Duty Cycle CF (dB)</b>	2.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5230	10.35	22.52	-12.17

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5230	9.11	10.00	-0.89





**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.420
High	5230	37.256

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Low	5190	23.00	10.00
High	5230	23.00	10.00

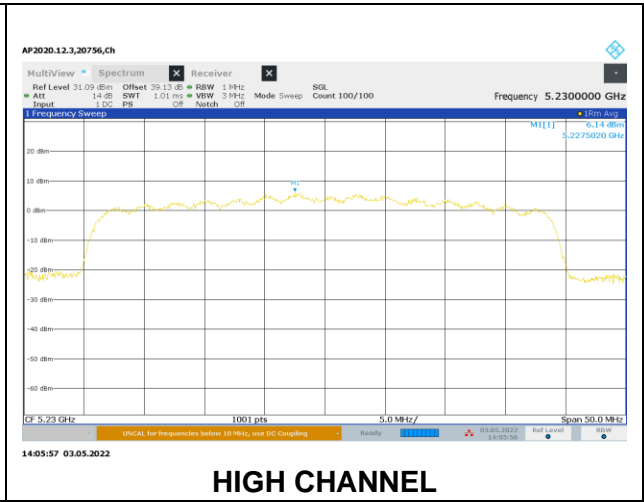
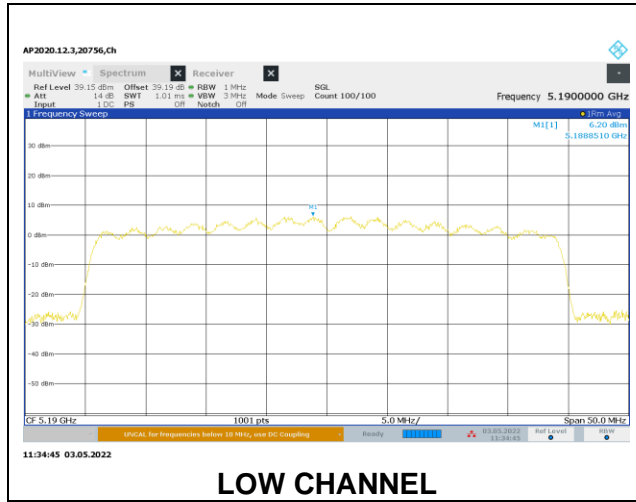
<b>Duty Cycle CF (dB)</b>	2.94	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	18.46	23.00	-4.54
High	5230	18.59	23.00	-4.41

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.14	10.00	-0.86
High	5230	9.08	10.00	-0.92



**2TX Antenna 2 + Antenna 4 CDD MODE: SU, Single User**

Tested output power only

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.436
High	5230	37.463

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Low	5190	23.00
High	5230	23.00

**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.95	23.00	-5.05
High	5230	17.97	23.00	-5.03

**9.5.6. 802.11ax HE80 MODE 2TX IN THE 5.2GHz BAND (IC)**

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	18.053

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/
Mid	5210	22.57	10.00

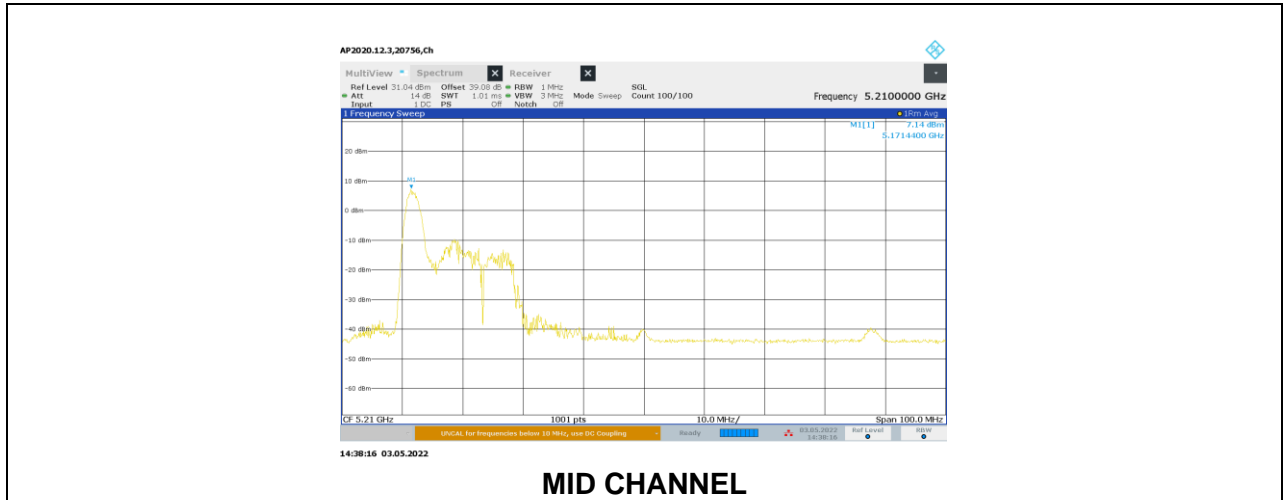
<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.77	22.57	-10.80

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	9.11	10.00	-0.89



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67**

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

(Note: IC PSD was tested by radiated method)

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.424

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

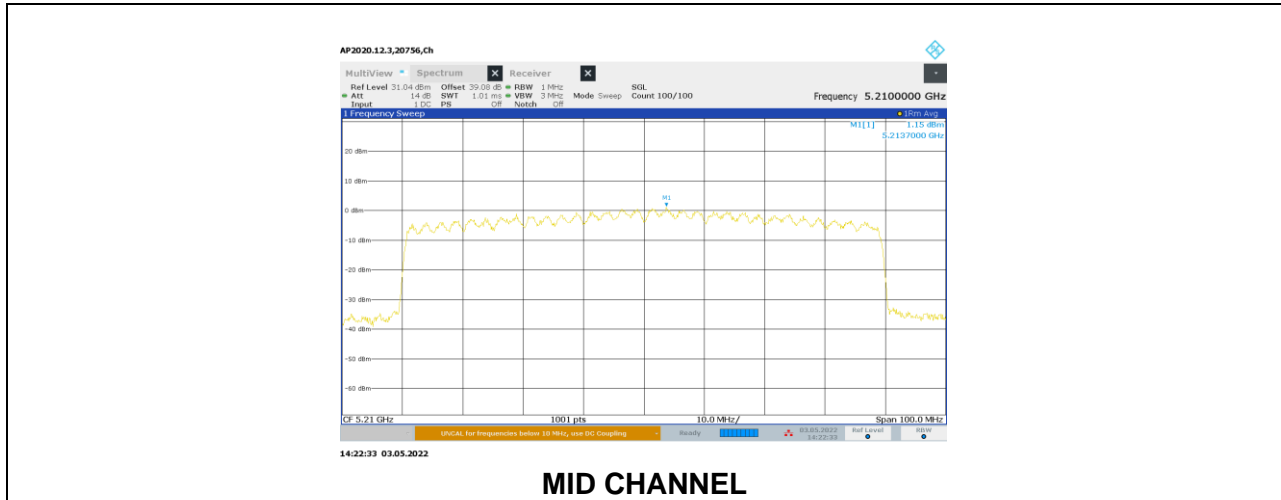
<b>Duty Cycle CF (dB)</b>	3.25	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.24	23.00	-5.76

**PSD Results**

Channel	Frequency (MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.40	10.00	-5.60



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

Tested output power only

<b>Test Engineer:</b>	CW20756
<b>Test Date:</b>	5/3/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	76.307

**Limits**

Channel	Frequency (MHz)	ISED EIRP Power Limit (dBm)
Mid	5210	23.00

**Output Power Results**

Channel	Frequency (MHz)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.54	23.00	-6.46



<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 5/7/2022

**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	4.44	7.44	24.00	9.56

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.21	14.71	17.48	24.00	-6.52

### 9.5.7. 802.11ax HE20 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)

#### 2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 4/29/2022

#### Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	20.52	18.428	5.26	8.27

#### Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.65	29.65	23.65	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PPSD</b>
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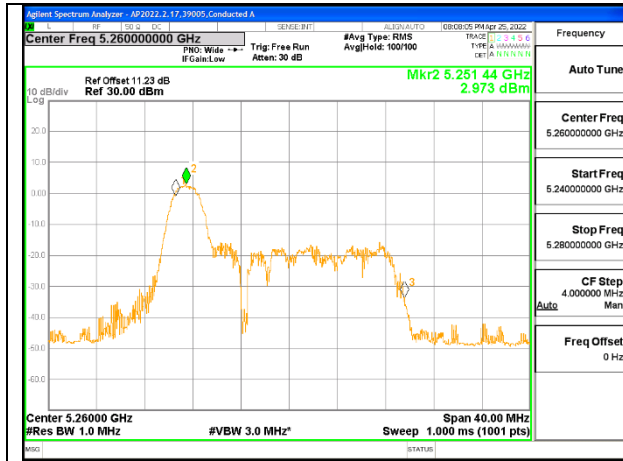
#### Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	8.20	8.30	11.26	23.65	-12.39

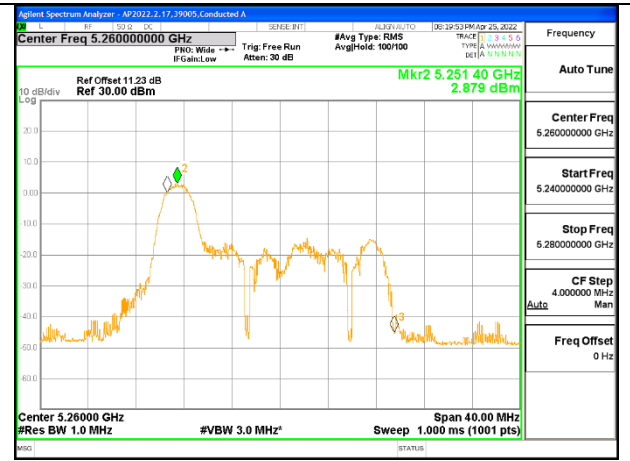
#### PPSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	2.973	2.879	7.96	8.73	-0.77

### LOW CHANNEL



**LOW CHANNEL Antenna 2**



**LOW CHANNEL Antenna 4**

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

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 4/29/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5300	18.20	17.125	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5300	23.60	23.34	29.34	23.34	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PPSD</b>
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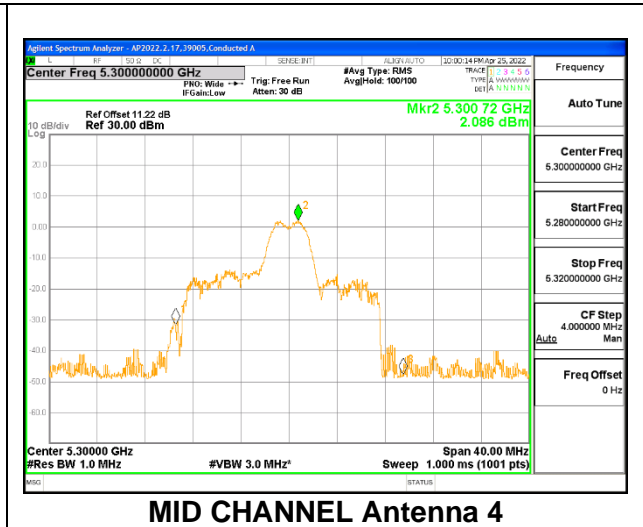
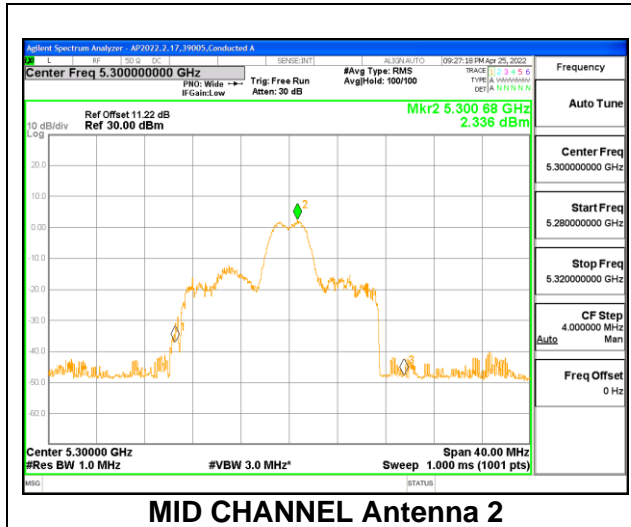
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5300	8.22	8.26	11.25	23.34	-12.09

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5300	2.336	2.086	7.24	8.73	-1.49

### MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 4/29/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
High	5320	20.68	18.421	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
High	5320	24.00	23.65	29.65	23.65	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PPSD</b>
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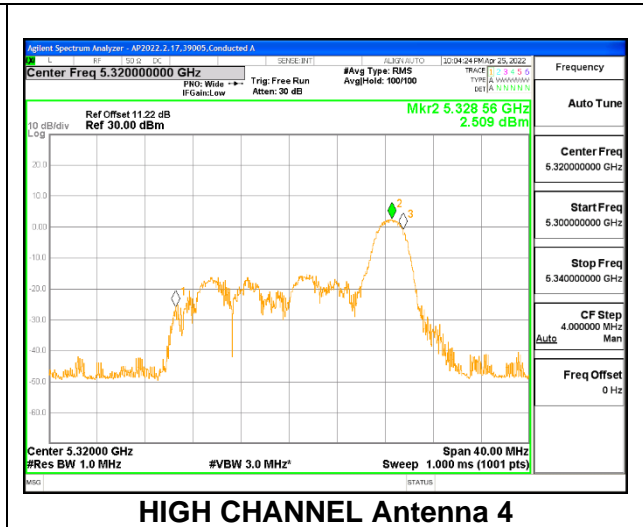
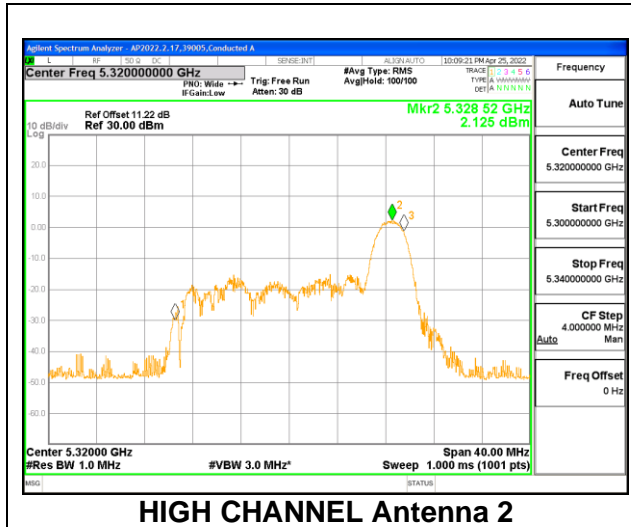
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5320	8.14	8.18	11.17	23.65	-12.48

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5320	2.125	2.509	7.35	8.73	-1.38

### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/21/2022 to 4/29/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	22.72	18.899	5.26	8.27
Mid	5300	22.52	18.942	5.26	8.27
High	5320	22.96	18.912	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.76	29.76	23.76	8.73	11.00	8.73
Mid	5300	24.00	23.77	29.77	23.77	8.73	11.00	8.73
High	5320	24.00	23.77	29.77	23.77	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.91	Included in Calculations of Corr'd PPSD
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**Output Power Results**

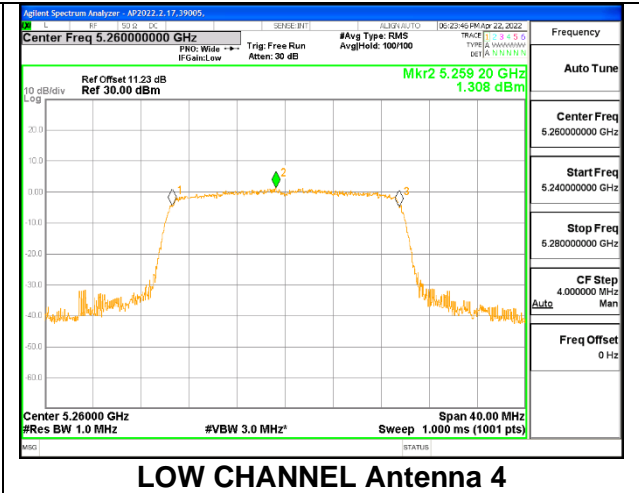
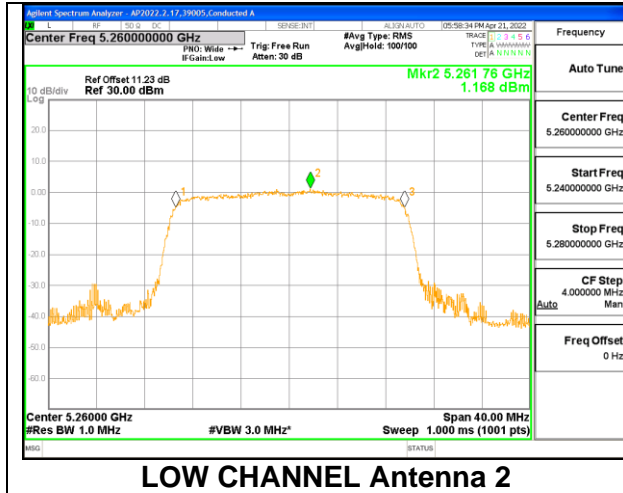
Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	15.82	15.75	18.80	23.76	-4.97
Mid	5300	15.82	15.91	18.88	23.77	-4.90
High	5320	15.90	15.81	18.87	23.77	-4.90

**PPSD Results**

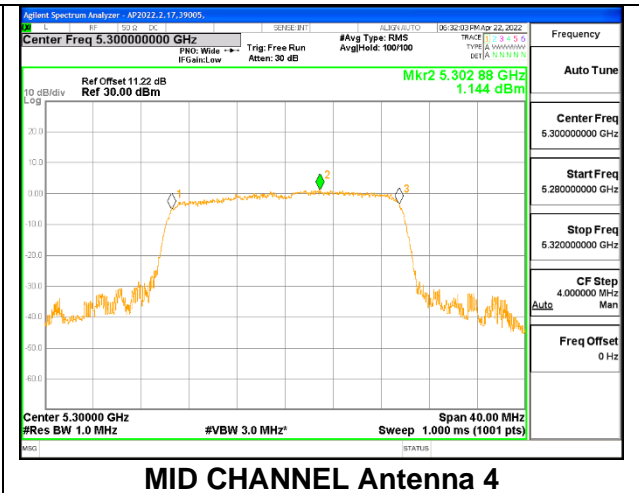
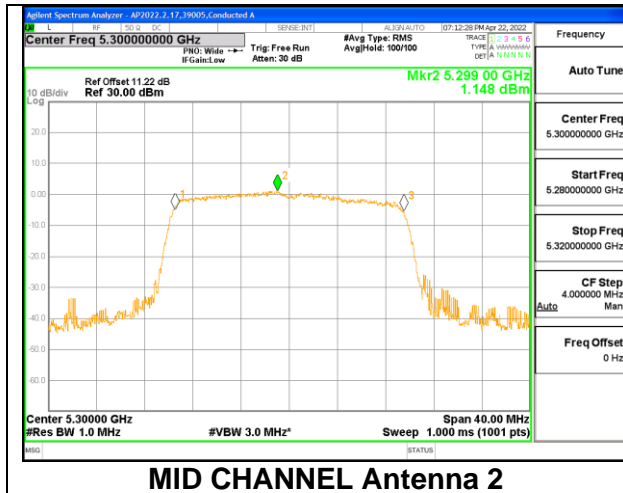
Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	1.168	1.308	7.16	8.73	-1.57
Mid	5300	1.148	1.144	7.07	8.73	-1.66
High	5320	1.122	0.667	6.82	8.73	-1.91



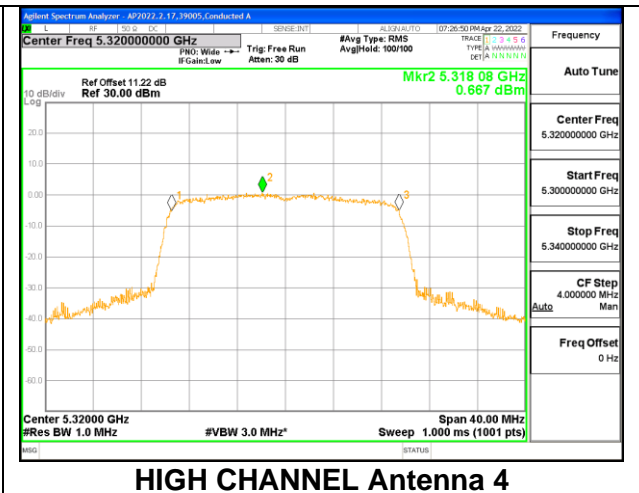
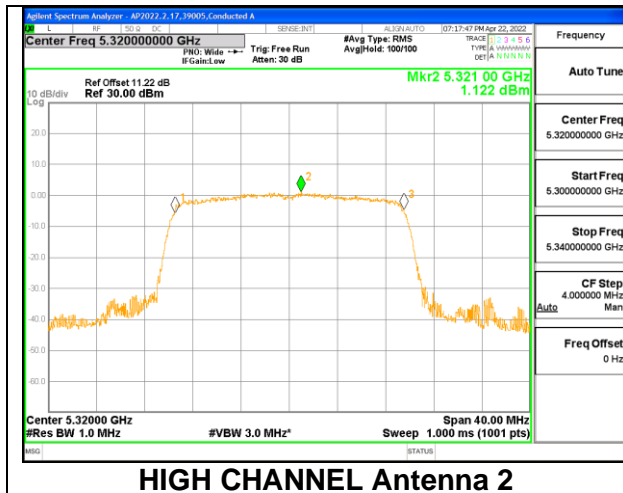
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/21/2022 to 5/6/2022

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.76	29.76	23.76	8.73	11.00	8.73
Mid	5300	24.00	23.77	29.77	23.77	8.73	11.00	8.73
High	5320	24.00	23.77	29.77	23.77	8.73	11.00	8.73

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	15.60	15.75	18.69	23.76	-5.08
Mid	5300	15.72	15.80	18.77	23.77	-5.00
High	5320	15.70	15.80	18.76	23.77	-5.01

**9.5.8. 802.11ax HE40 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)**

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 4/29/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5270	19.12	17.714	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	23.81	23.48	29.48	23.48	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.00	<b>Included in Calculations of Corr'd PPSD</b>
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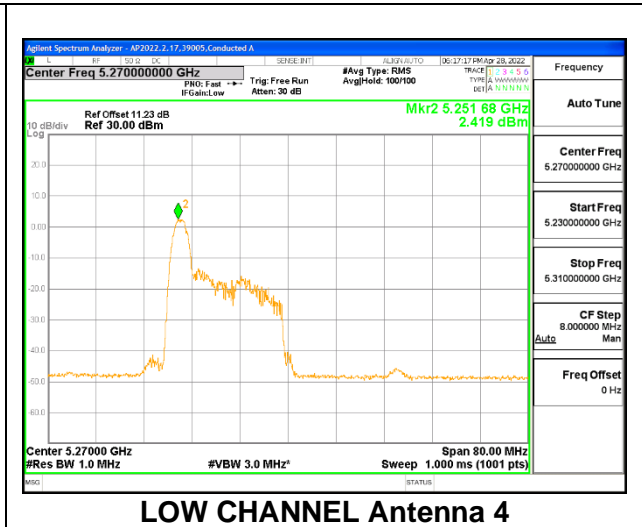
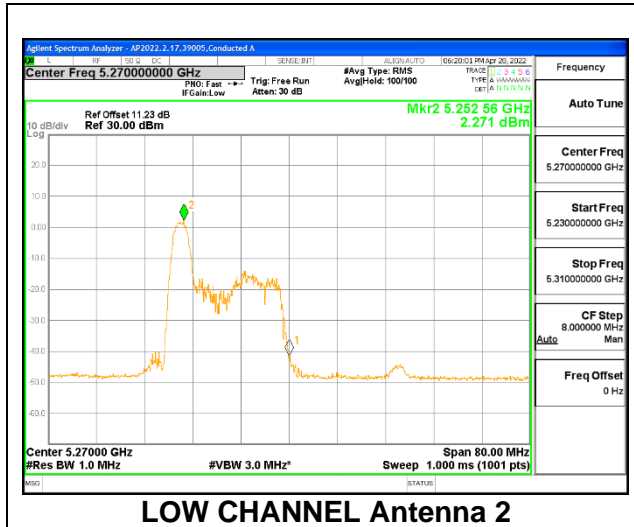
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	8.75	9.51	12.16	23.48	-11.33

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	2.271	2.419	7.36	8.73	-1.37

### LOW CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/25/2022 to 4/29/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
High	5310	19.12	17.667	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
High	5310	23.81	23.47	29.47	23.47	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.00	Included in Calculations of Corr'd PPSD
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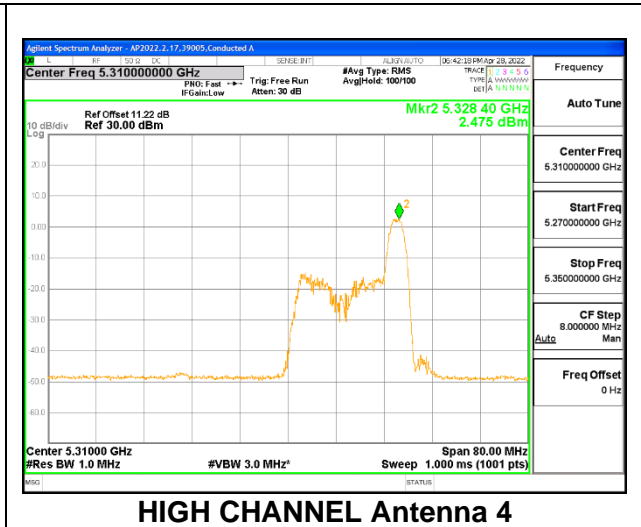
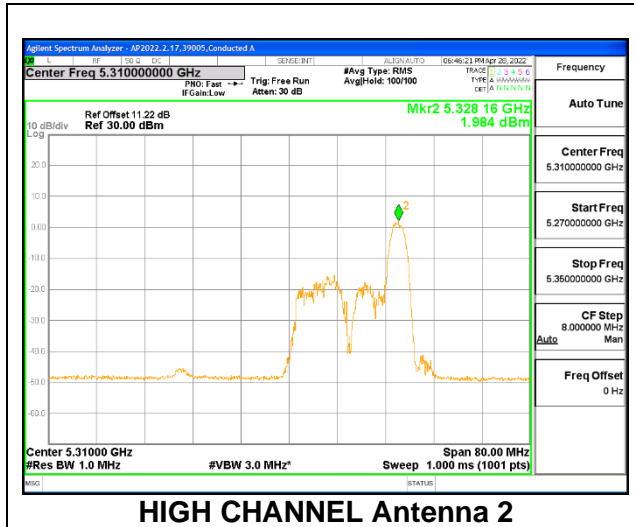
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5310	8.75	9.49	12.15	23.47	-11.33

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
High	5310	1.984	2.475	7.25	8.73	-1.48

### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	4/29/2022 to 5/2/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5270	40.00	37.369	5.26	8.27
High	5310	39.92	37.488	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	24.00	24.00	30.00	24.00	8.73	11.00	8.73
High	5310	24.00	24.00	30.00	24.00	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	2.94	<b>Included in Calculations of Corr'd PPSD</b>
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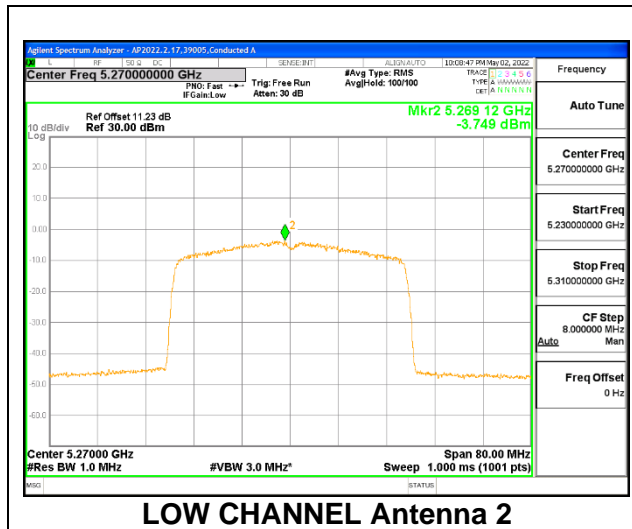
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	13.91	14.05	16.99	24.00	-7.01
High	5310	13.60	14.66	17.17	24.00	-6.83

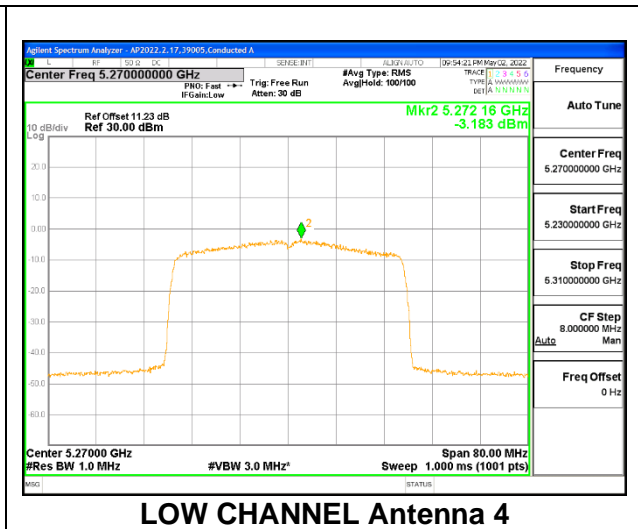
**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5270	-3.749	-3.183	2.49	8.73	-6.24
High	5310	-3.643	-3.024	2.63	8.73	-6.10

### LOW CHANNEL

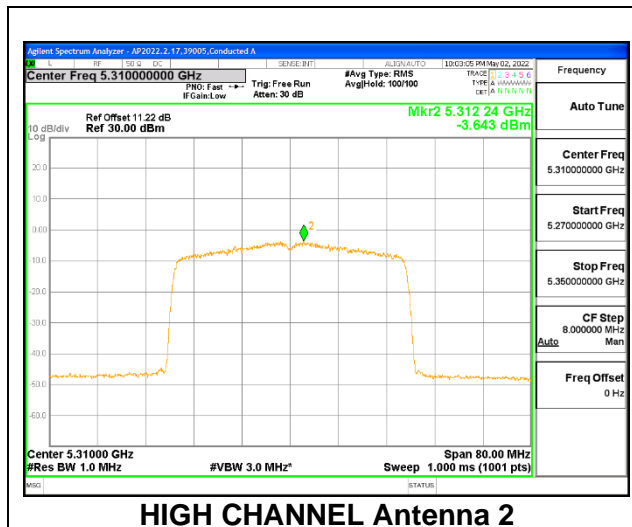


LOW CHANNEL Antenna 2

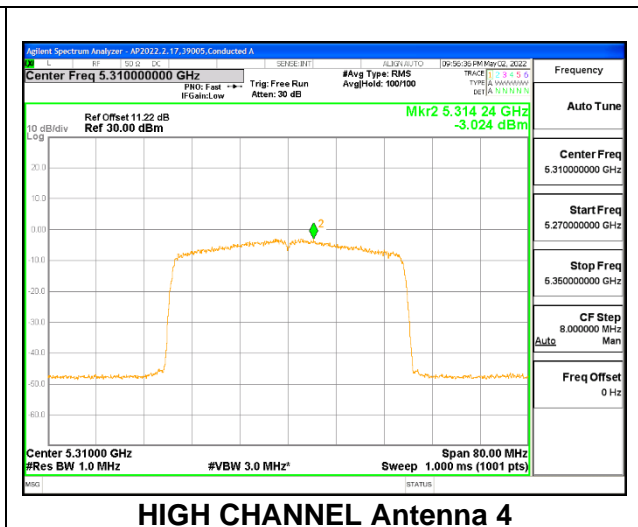


LOW CHANNEL Antenna 4

### HIGH CHANNEL



HIGH CHANNEL Antenna 2



HIGH CHANNEL Antenna 4



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS160880
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	24.00	24.00	30.00	24.00	8.73	11.00	8.73
High	5310	24.00	24.00	30.00	24.00	8.73	11.00	8.73

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	13.32	13.98	16.67	24.00	-7.33
High	5310	13.60	14.60	17.14	24.00	-6.86

**9.5.9. 802.11ax HE80 MODE 2TX IN THE 5.3GHz BAND (FCC+IC)**

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	19.68	17.970	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	23.94	23.55	29.55	23.55	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PPSD</b>
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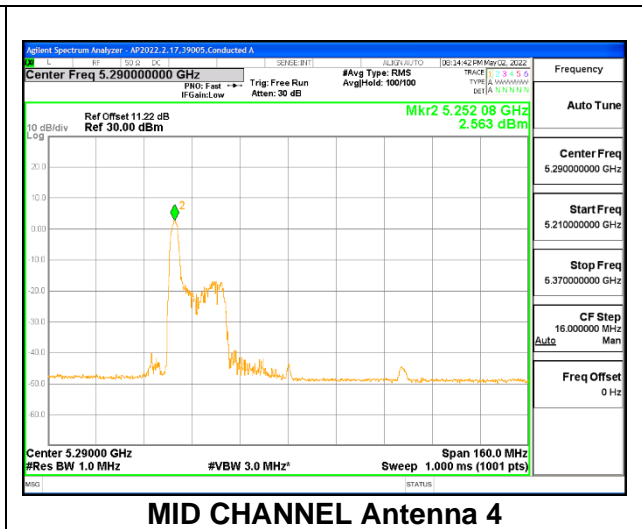
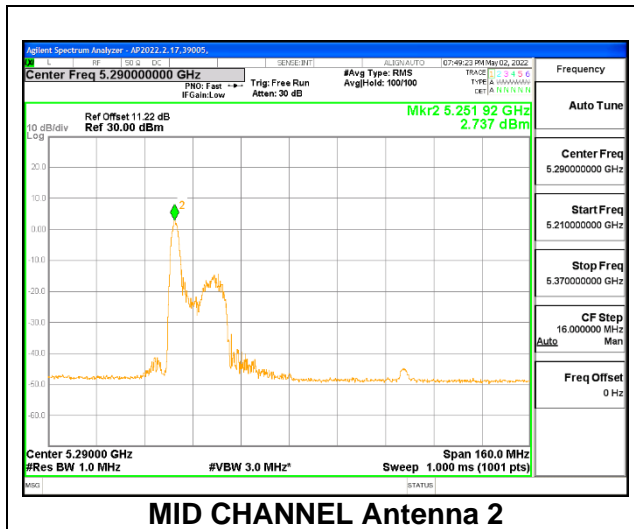
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.56	8.79	11.69	23.55	-11.86

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.737	2.663	7.68	8.73	-1.05

MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 18**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	39.04	36.673	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PPSD</b>
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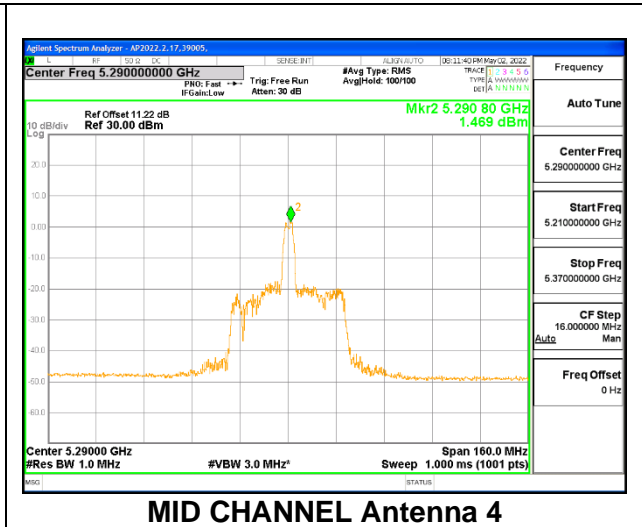
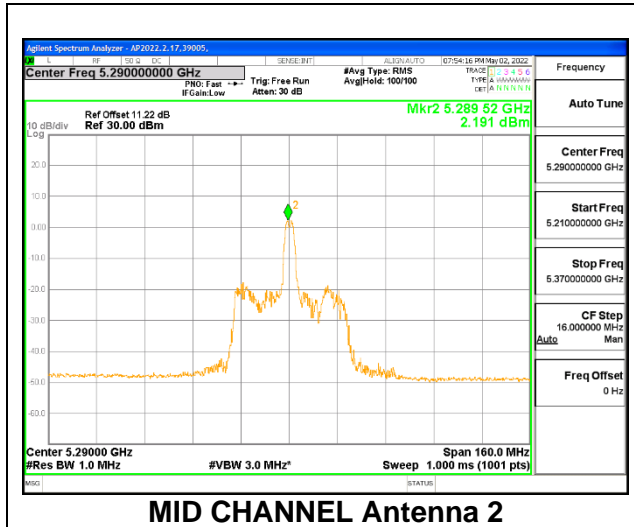
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.58	8.91	11.76	24.00	-12.24

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.191	1.469	6.83	8.73	-1.90

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	19.52	18.012	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	23.90	23.56	29.56	23.56	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PPSD</b>
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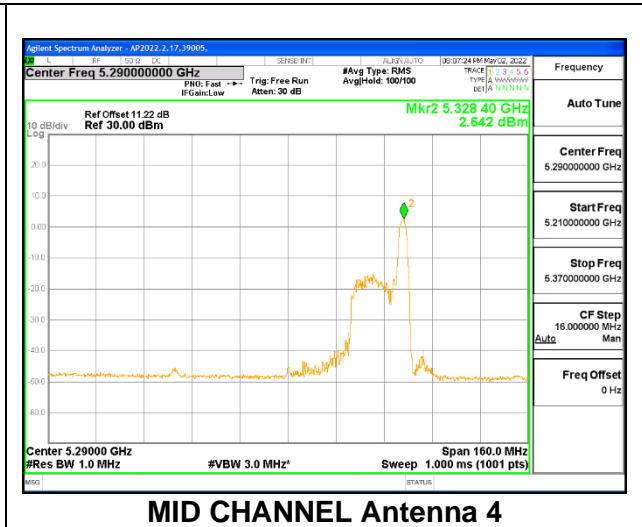
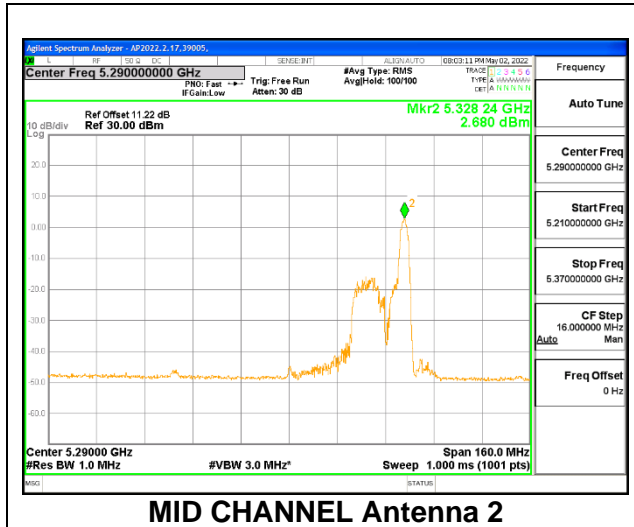
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.61	8.75	11.69	23.56	-11.86

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	2.680	2.642	7.64	8.73	-1.09

### MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	81.44	76.602	5.26	8.27

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	8.73	11.00	8.73

<b>Duty Cycle CF (dB)</b>	3.25	<b>Included in Calculations of Corr'd PPSD</b>
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**Output Power Results**

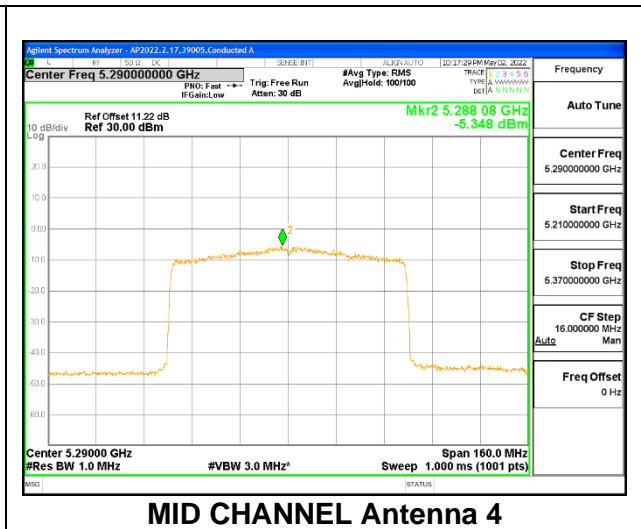
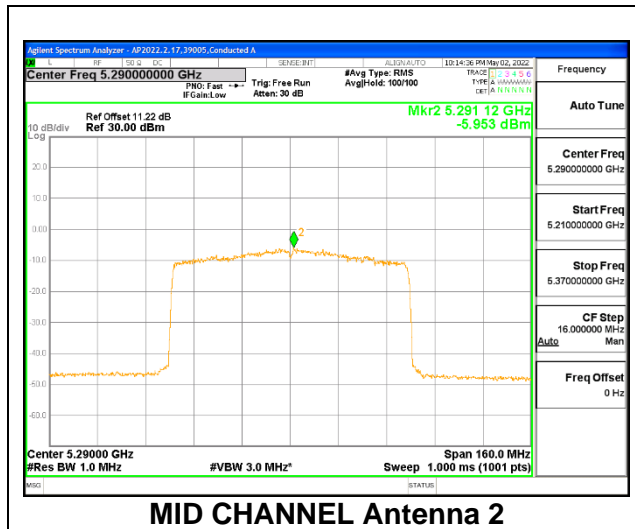
Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	14.38	14.60	17.50	24.00	-6.50

**PPSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PPSD (dBm/ 1MHz)	Antenna 4 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	-5.953	-5.348	0.62	8.73	-8.11



### MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	5/2/2022 to 5/6/2022

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	8.73	11.00	8.73

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	14.36	14.61	17.50	24.00	-6.50

9.5.10. 802.11ax HE20 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	20.48	18.479	5.51	8.49

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.67	29.67	23.67	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.02	Included in Calculations of Corr'd PSD
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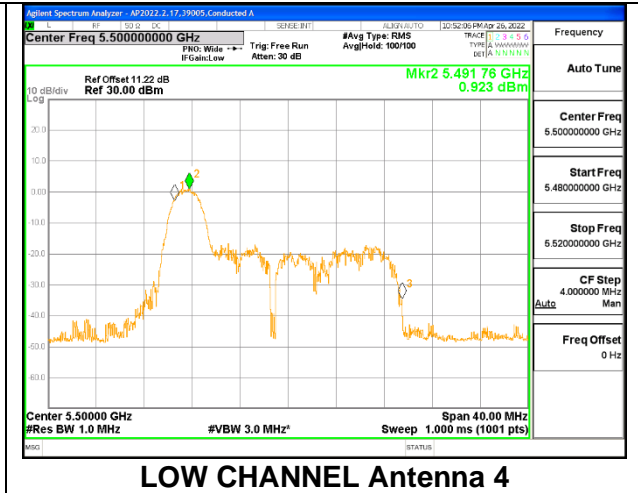
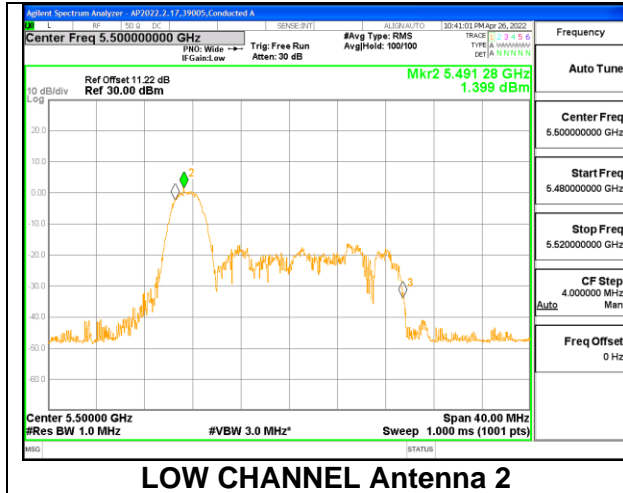
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	7.95	7.68	10.83	23.67	-12.84

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	1.399	0.923	6.198	8.51	-2.31

### LOW CHANNEL



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

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5580	18.24	17.138	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5580	23.61	23.34	29.34	23.34	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.02	Included in Calculations of Corr'd PSD
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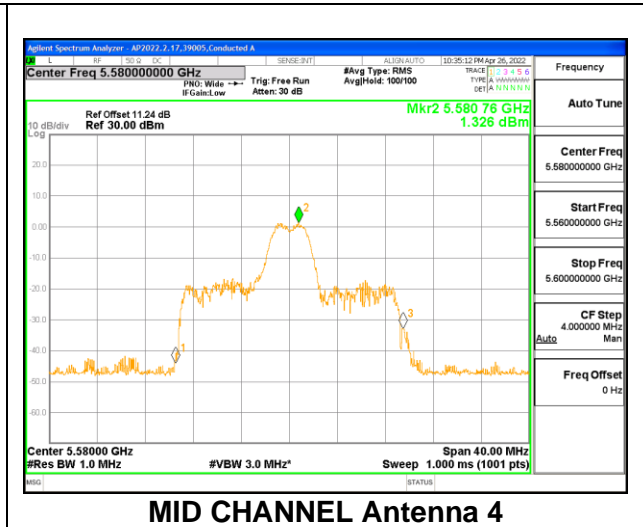
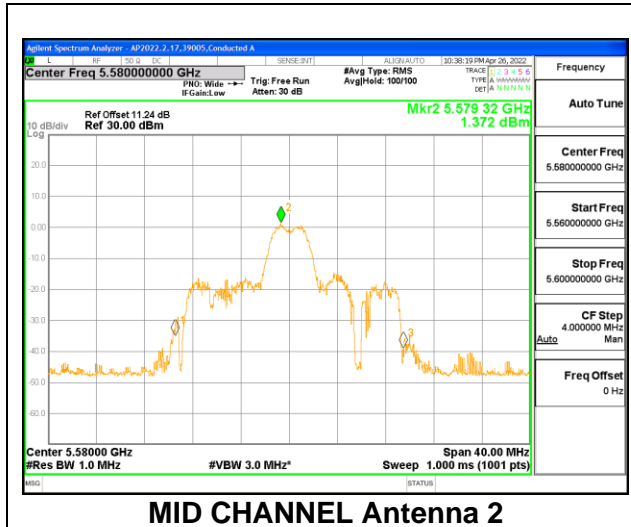
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5580	8.15	8.20	11.19	23.34	-12.15

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5580	1.372	1.326	6.379	8.51	-2.13

**MID CHANNEL**



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
High	5700	20.72	18.429	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
High	5700	24.00	23.66	29.66	23.66	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.02	<b>Included in Calculations of Corr'd PSD</b>
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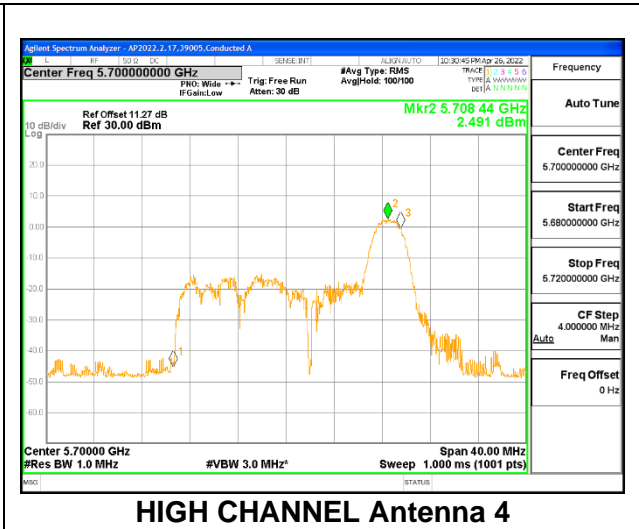
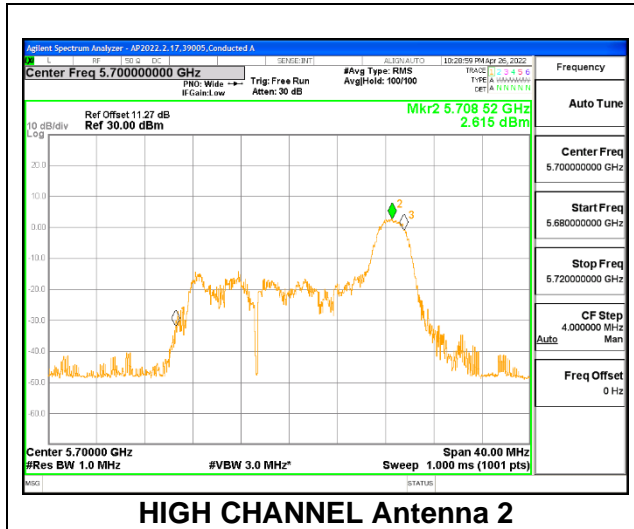
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5700	8.22	8.27	11.26	23.66	-12.40

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5700	2.615	2.491	7.584	8.51	-0.93

### HIGH CHANNEL





**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	23.04	18.899	5.51	8.49
Mid	5580	22.80	18.920	5.51	8.49
High	5700	22.80	18.907	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.76	29.76	23.76	8.51	11.00	8.51
Mid	5580	24.00	23.77	29.77	23.77	8.51	11.00	8.51
High	5700	24.00	23.77	29.77	23.77	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.91	<b>Included in Calculations of Corr'd PSD</b>
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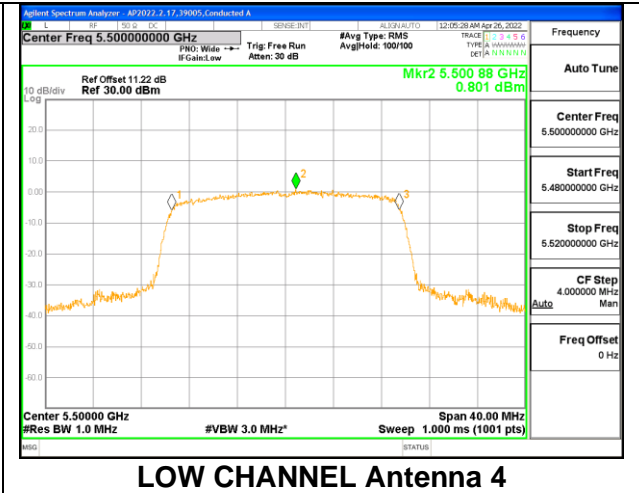
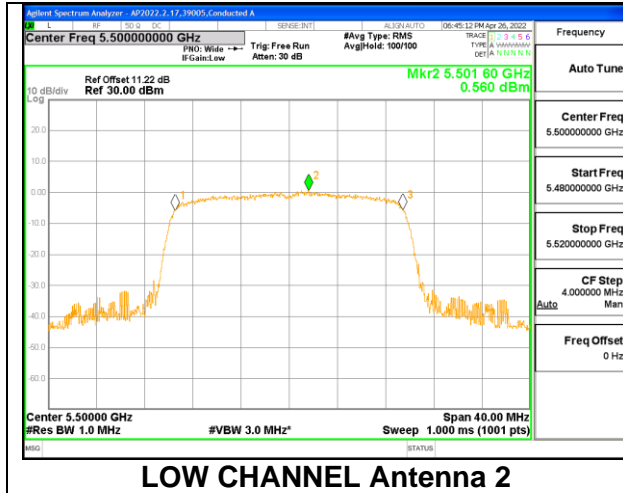
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.50	16.00	18.77	23.76	-5.00
Mid	5580	16.03	16.31	19.18	23.77	-4.59
High	5700	15.52	16.50	19.05	23.77	-4.72

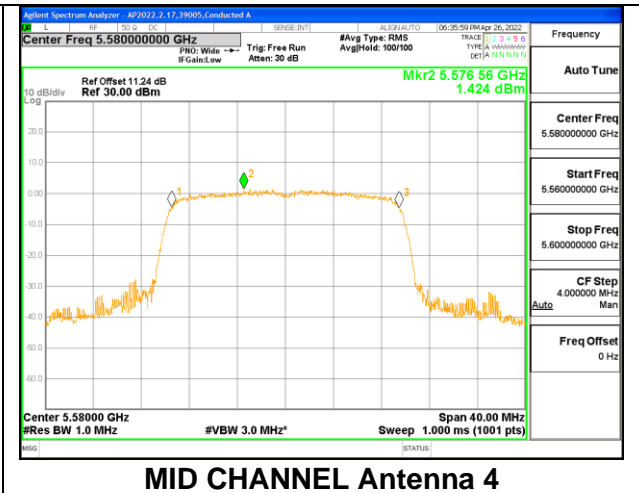
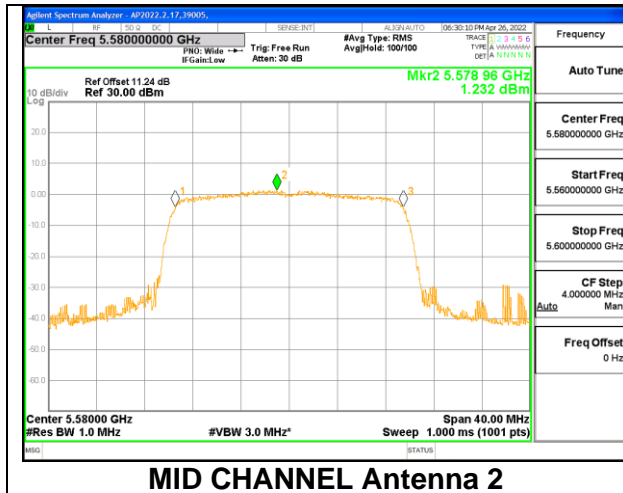
**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	0.560	0.801	6.602	8.51	-1.91
Mid	5580	1.232	1.424	7.249	8.51	-1.26
High	5700	1.415	1.973	7.623	8.51	-0.89

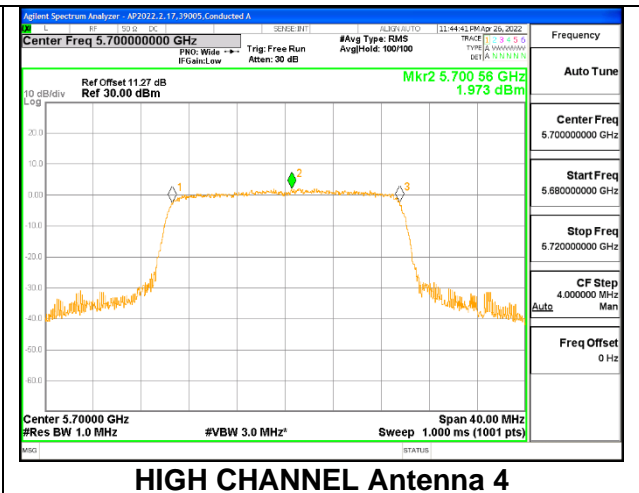
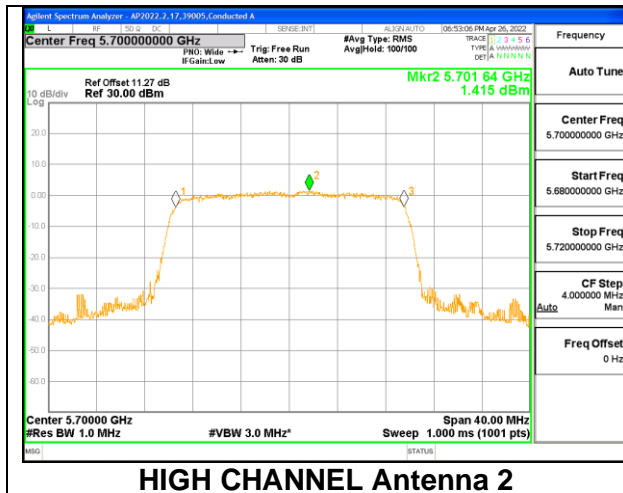
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.76	29.76	23.76	8.51	11.00	8.51
Mid	5580	24.00	23.77	29.77	23.77	8.51	11.00	8.51
High	5700	24.00	23.77	29.77	23.77	8.51	11.00	8.51

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	15.11	15.20	18.17	23.76	-5.60
Mid	5580	16.04	16.28	19.17	23.77	-4.60
High	5700	15.71	16.25	19.00	23.77	-4.77

9.5.11. 802.11ax HE40 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	19.1200	17.9120	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	23.81	23.53	29.53	23.53	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.00	Included in Calculations of Corr'd PSD
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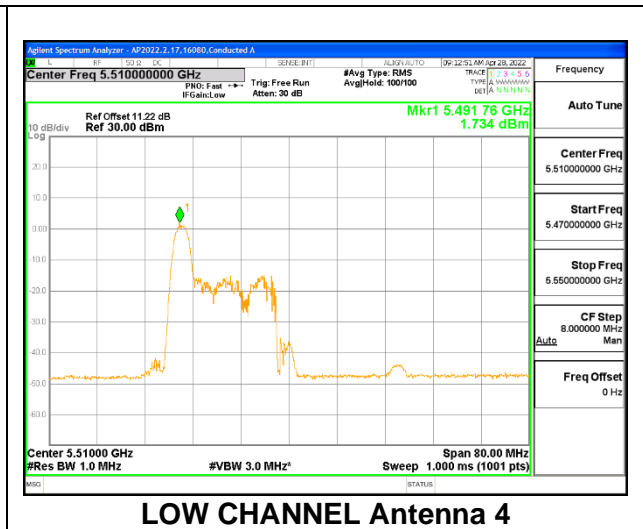
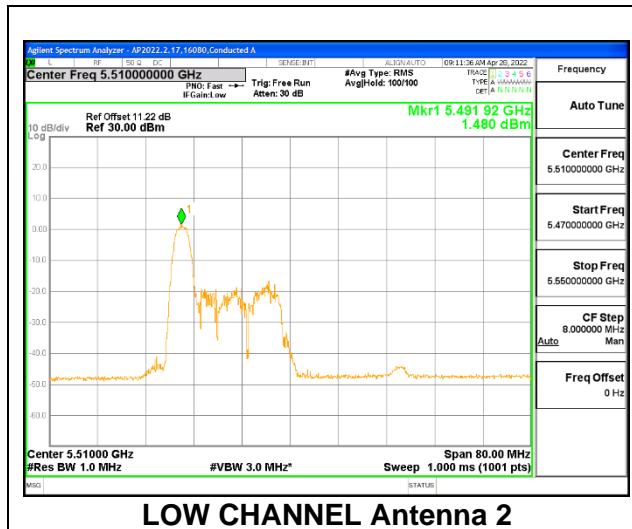
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.18	8.77	11.50	23.53	-12.04

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	1.480	1.734	6.62	8.51	-1.89

### LOW CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 8**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5550	22.80	19.801	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5550	24.00	23.97	29.97	23.97	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.00	Included in Calculations of Corr'd PSD
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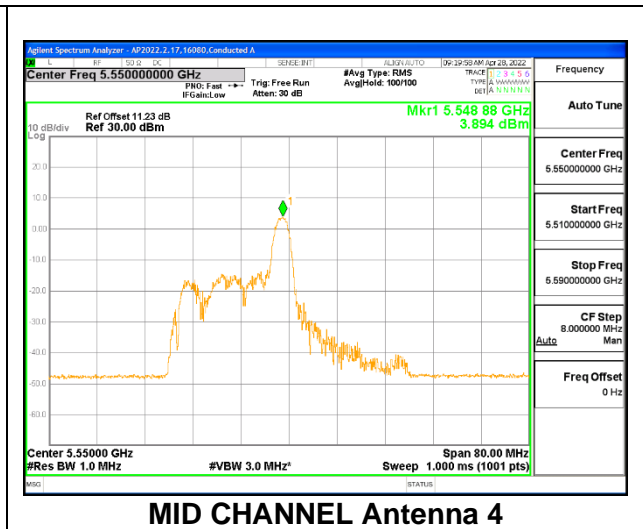
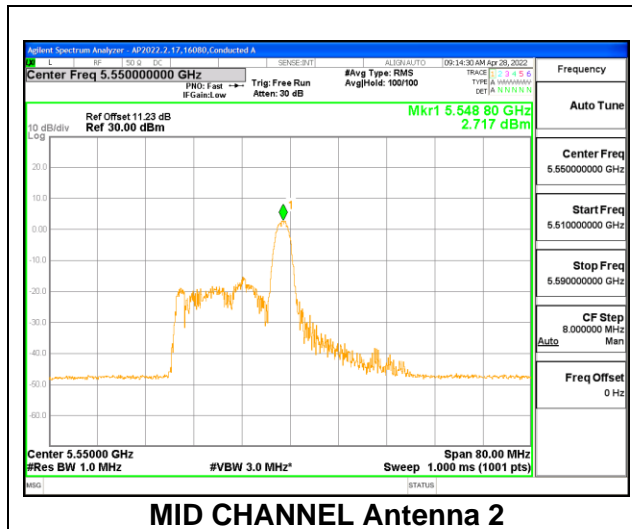
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5550	8.73	10.14	12.50	23.97	-11.46

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5550	2.717	3.894	8.36	8.51	-0.15

### MID CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 17**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
High	5670	19.04	17.901	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
High	5670	23.80	23.53	29.53	23.53	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.00	Included in Calculations of Corr'd PSD
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**Output Power Results**

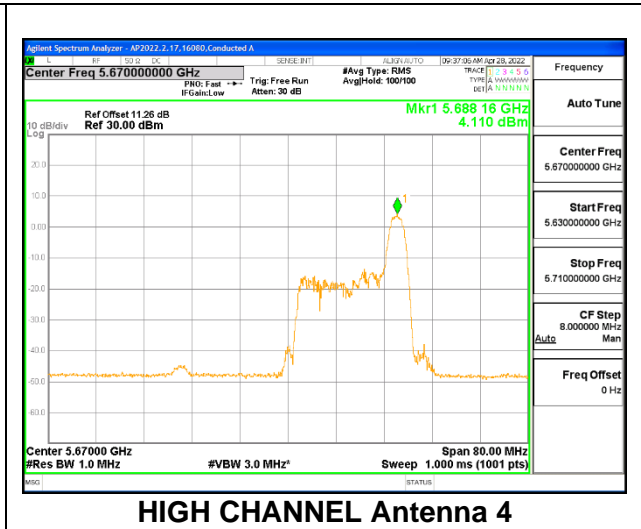
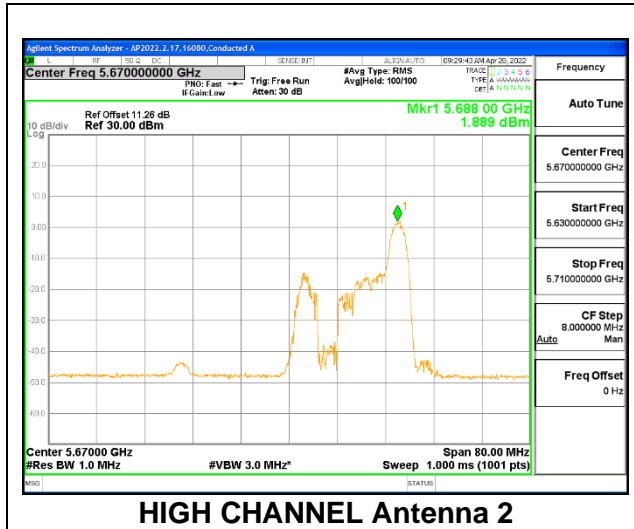
Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5670	9.36	9.58	12.48	23.53	-11.05

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5670	1.889	4.110	8.15	8.51	-0.36



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	40.08	37.407	5.51	8.49
Mid	5550	40.08	37.520	5.51	8.49
High	5670	40.08	37.398	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	24.00	24.00	30.00	24.00	8.51	11.00	8.51
Mid	5550	24.00	24.00	30.00	24.00	8.51	11.00	8.51
High	5670	24.00	24.00	30.00	24.00	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	2.94	<b>Included in Calculations of Corr'd PSD</b>
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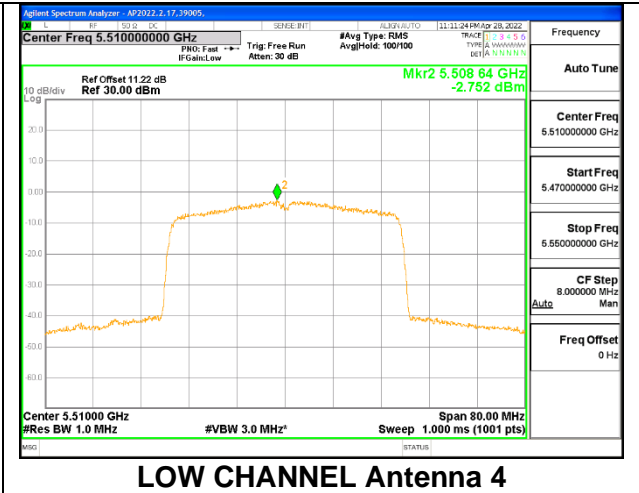
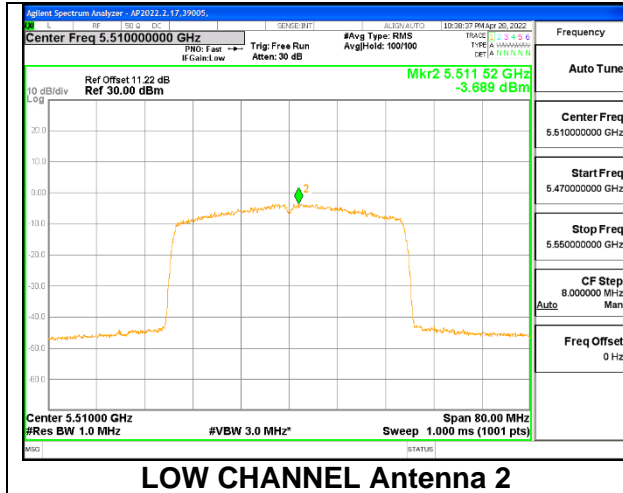
**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.05	15.18	18.13	24.00	-5.87
Mid	5550	15.46	16.68	19.12	24.00	-4.88
High	5670	15.70	16.22	18.98	24.00	-5.02

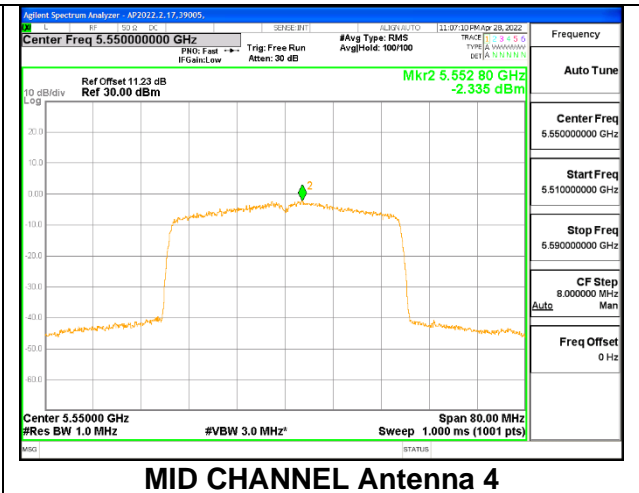
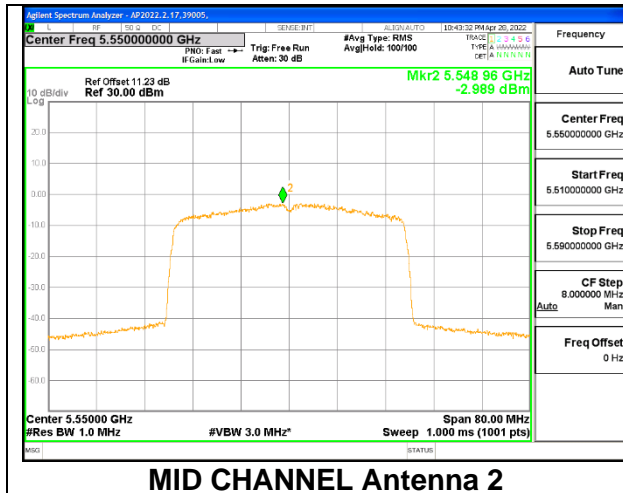
**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-3.689	-2.752	2.76	8.51	-5.75
Mid	5550	-2.989	-2.335	3.30	8.51	-5.21
High	5670	-1.446	-1.223	4.62	8.51	-3.89

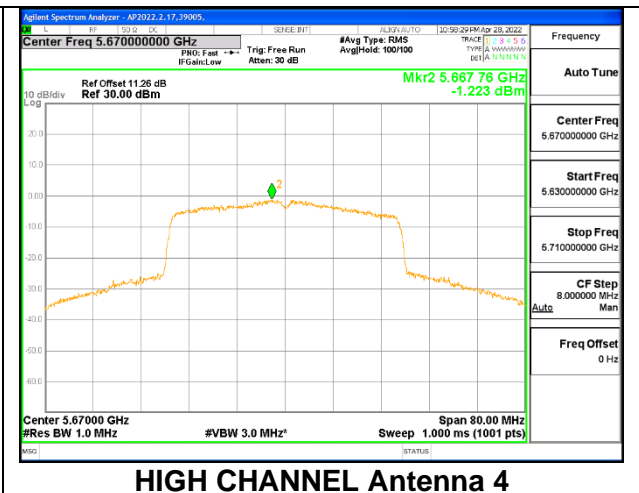
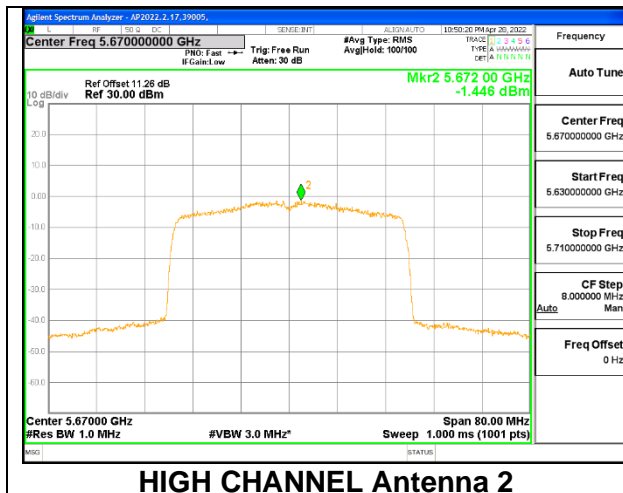
### LOW CHANNEL



### MID CHANNEL



### HIGH CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: SU, Single User**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	24.00	24.00	30.00	24.00	8.51	11.00	8.51
Mid	5550	24.00	24.00	30.00	24.00	8.51	11.00	8.51
High	5670	24.00	24.00	30.00	24.00	8.51	11.00	8.51

**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.81	15.68	18.28	24.00	-5.72
Mid	5550	15.47	16.62	19.09	24.00	-4.91
High	5670	15.71	16.20	18.97	24.00	-5.03

9.5.12. 802.11ax HE80 MODE 2TX IN THE 5.6GHz BAND (FCC+IC)

2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	RA39005 and ZS16080
Test Date:	4/25/2022 to 5/6/2022

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	19.36	18.036	5.51	8.49

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5530	23.87	23.56	29.56	23.56	8.51	11.00	8.51

Duty Cycle CF (dB)	1.97	Included in Calculations of Corr'd PSD
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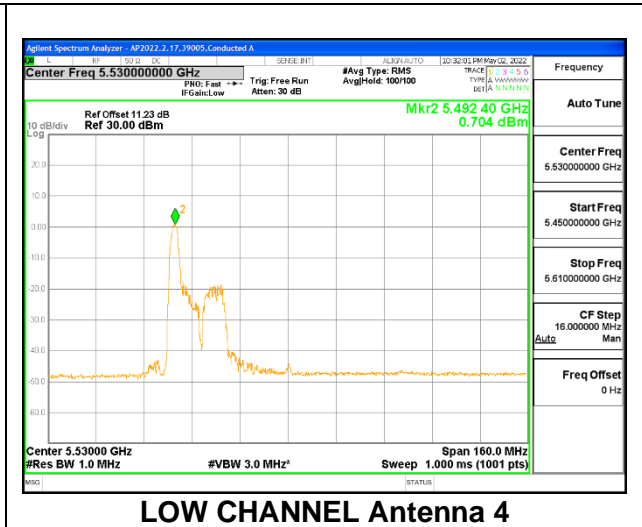
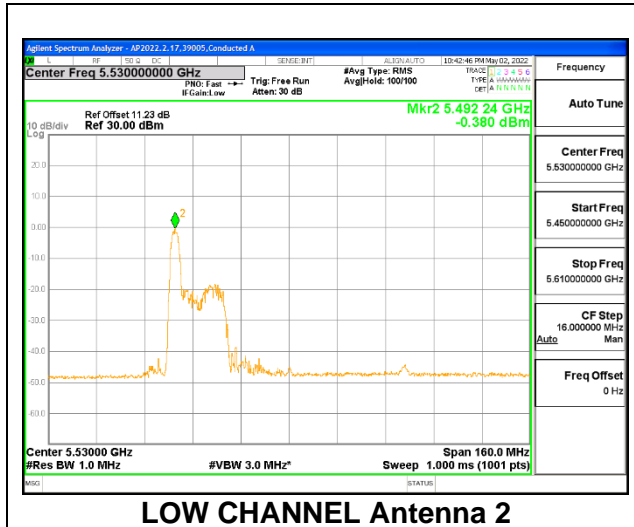
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	7.09	7.49	10.30	23.56	-13.26

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-0.380	0.704	5.176	8.51	-3.33

### LOW CHANNEL



**2TX Antenna 2 + Antenna 4 CDD OFDMA MODE: 26-Tones, RU Index 36**

<b>Test Engineer:</b>	RA39005 and ZS16080
<b>Test Date:</b>	4/25/2022 to 5/6/2022

**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
High	5610	19.36	17.952	5.51	8.49

**Limits**

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
High	5610	23.87	23.54	29.54	23.54	8.51	11.00	8.51

<b>Duty Cycle CF (dB)</b>	1.97	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
High	5610	8.30	8.70	11.51	23.54	-12.03

**PSD Results**

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
High	5610	2.876	2.902	7.869	8.51	-0.64

### HIGH CHANNEL

