

**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32606/23560
<b>Test Date:</b>	07/18/2023, 07/19/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6545	-2.72	-2.72	24.00	-1.00
Mid	6705	-2.72	-2.72	24.00	-1.00
Straddle	6865	-2.72	-2.72	24.00	-1.00

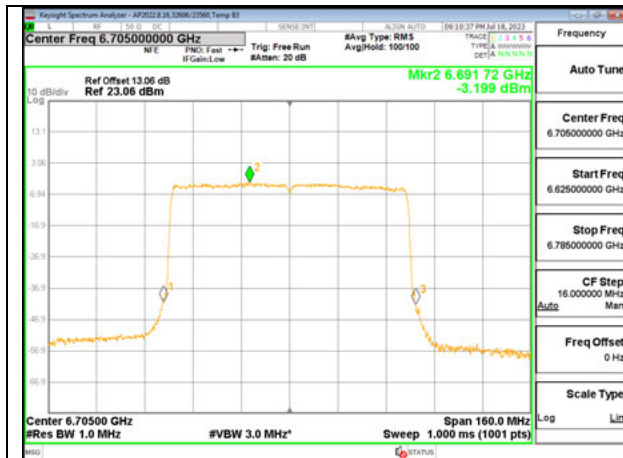
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

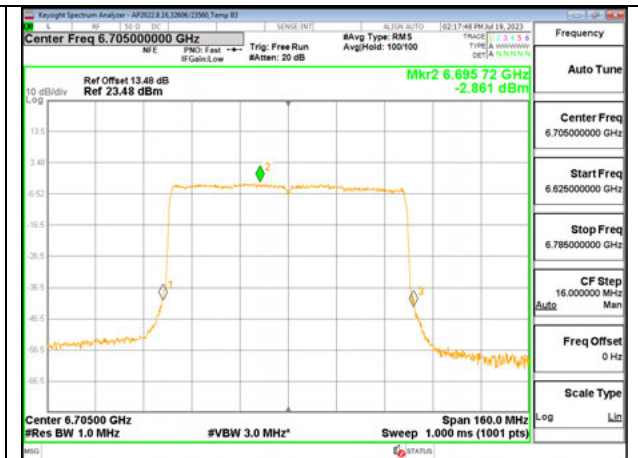
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6545	13.92	13.82	14.16	24.00	-9.84
Mid	6705	13.81	13.85	14.12	24.00	-9.88
Straddle	6865	13.84	13.84	14.13	24.00	-9.87

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6545	-2.780	-3.144	-2.565	-1.00	-1.565
Mid	6705	-3.199	-2.861	-2.633	-1.00	-1.633
Straddle	6865	-2.688	-2.713	-2.307	-1.00	-1.307



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**

**9.3.12. 802.11ax HE160 MODE IN THE UNII-7 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32181 / 23560
<b>Test Date:</b>	06/09/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-0.9	24.00	-1.00
Straddle	6825	-0.9	24.00	-1.00

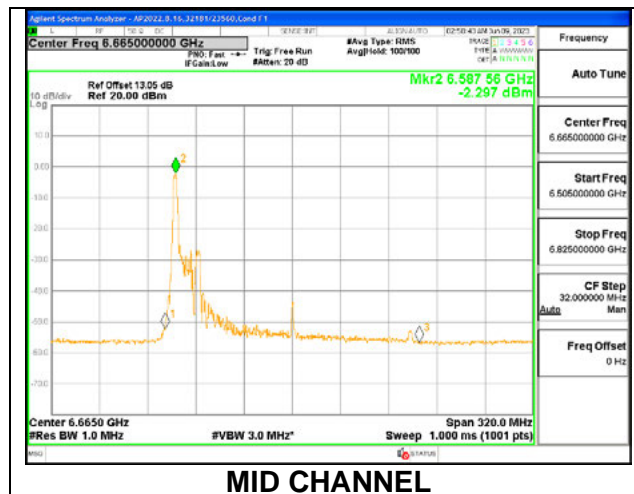
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.70	-0.20	24.00	-24.20
Straddle	6825	0.69	-0.21	24.00	-24.21

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.297	-3.197	-1.00	-2.197
Straddle	6825	-1.893	-2.793	-1.00	-1.793



**1TX Antenna 6 MODE – 26 Tones, RU Index s36**

<b>Test Engineer:</b>	32181 / 23560
<b>Test Date:</b>	06/09/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-0.9	24.00	-1.00
Straddle	6825	-0.9	24.00	-1.00

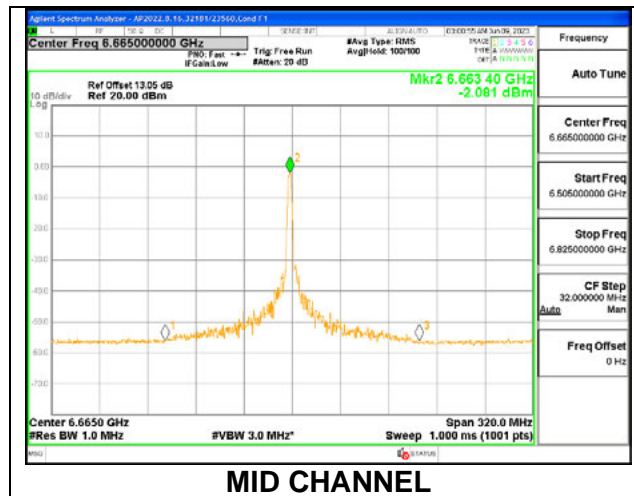
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.66	-0.24	24.00	-24.24
Straddle	6825	0.67	-0.23	24.00	-24.23

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.081	-2.981	-1.00	-1.981
Straddle	6825	-1.923	-2.823	-1.00	-1.823



**1TX Antenna 6 MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32642 / 23560
<b>Test Date:</b>	06/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-0.9	24.00	-1.00
Straddle	6825	-0.9	24.00	-1.00

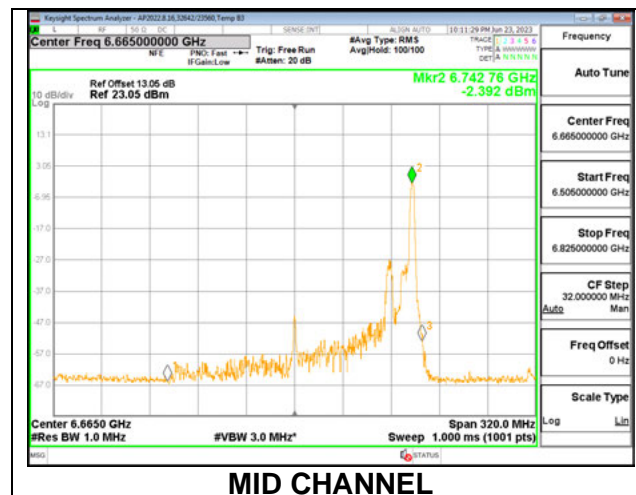
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.73	-0.17	24.00	-24.17
Straddle	6825	0.62	-0.28	24.00	-24.28

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.392	-3.292	-1.00	-2.292
Straddle	6825	-1.474	-2.374	-1.00	-1.374



**1TX Antenna 6 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-0.9	24.00	-1.00
Straddle	6825	-0.9	24.00	-1.00

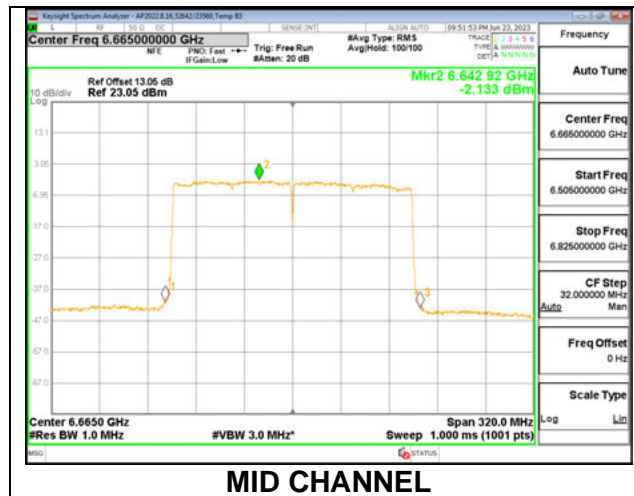
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	18.15	17.25	24.00	-6.75
Straddle	6825	18.22	17.32	24.00	-6.68

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.133	-2.933	-1.00	-1.933
Straddle	6825	-1.539	-2.339	-1.00	-1.339



**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32181 / 23560
<b>Test Date:</b>	06/09/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-5.9	24.00	-1.00
Straddle	6825	-5.9	24.00	-1.00

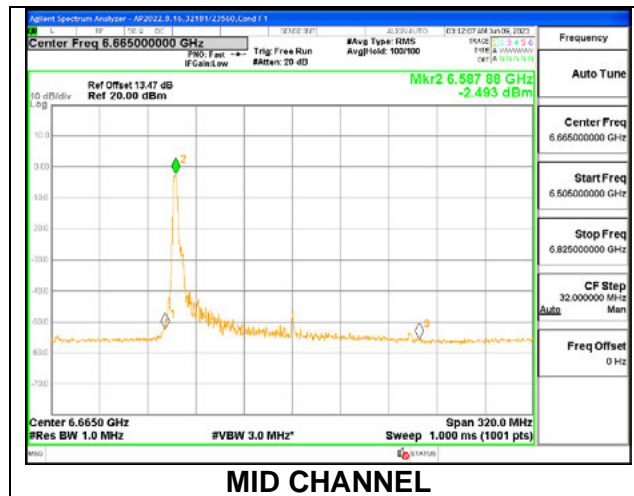
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.70	-5.20	24.00	-29.20
Straddle	6825	0.74	-5.16	24.00	-29.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.493	-8.393	-1.00	-7.393
Straddle	6825	-1.982	-7.882	-1.00	-6.882



**1TX Antenna 5 MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32593 / 23560
<b>Test Date:</b>	06/13/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-5.9	24.00	-1.00
Straddle	6825	-5.9	24.00	-1.00

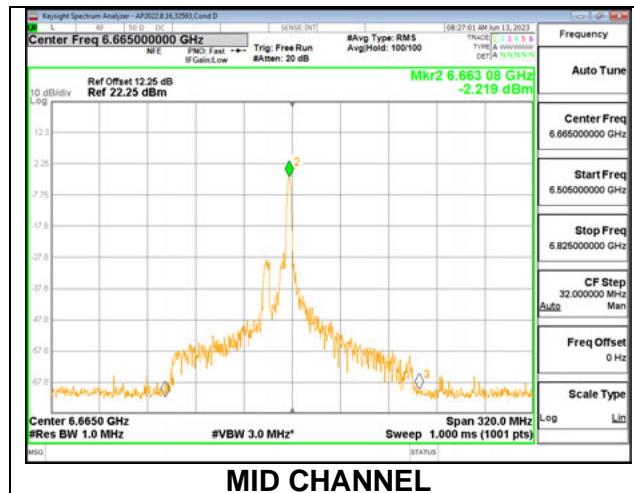
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.70	-5.20	24.00	-29.20
Straddle	6825	0.69	-5.21	24.00	-29.21

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.219	-8.119	-1.00	-7.119
Straddle	6825	-1.896	-7.796	-1.00	-6.796



**1TX Antenna 5 MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32593 / 23560
<b>Test Date:</b>	06/13/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-5.9	24.00	-1.00
Straddle	6825	-5.9	24.00	-1.00

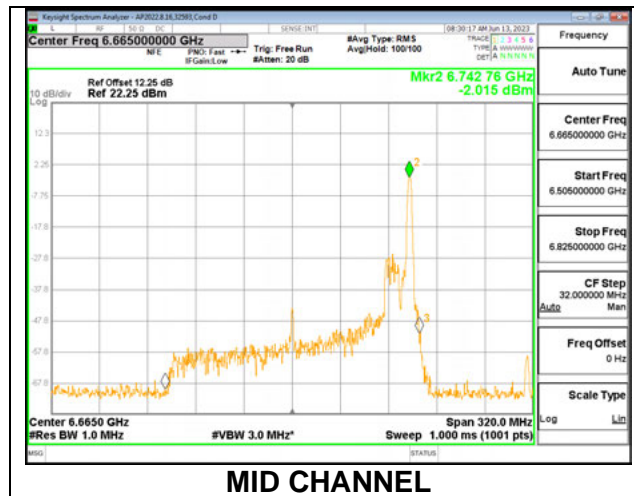
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	0.63	-5.27	24.00	-29.27
Straddle	6825	0.65	-5.25	24.00	-29.25

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.015	-7.915	-1.00	-6.915
Straddle	6825	-1.805	-7.705	-1.00	-6.705





**1TX Antenna 5 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/23/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-5.9	24.00	-1.00
Straddle	6825	-5.9	24.00	-1.00

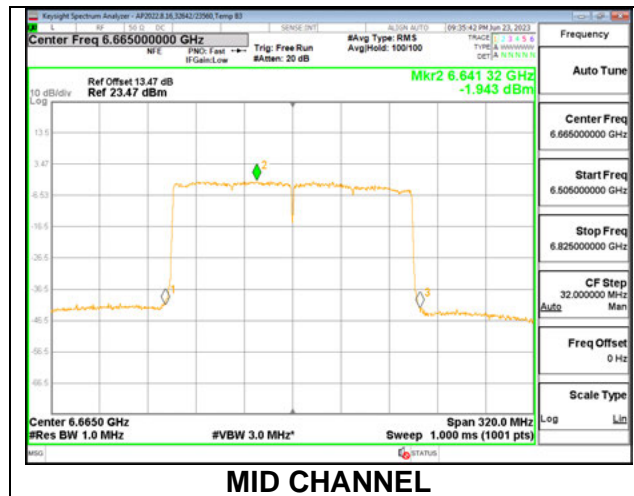
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	18.13	12.23	24.00	-11.77
Straddle	6825	18.22	12.32	24.00	-11.68

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-1.943	-7.743	-1.00	-6.743
Straddle	6825	-1.710	-7.510	-1.00	-6.510



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-0.03	24.00	-1.00
Straddle	6825	-2.72	-0.03	24.00	-1.00

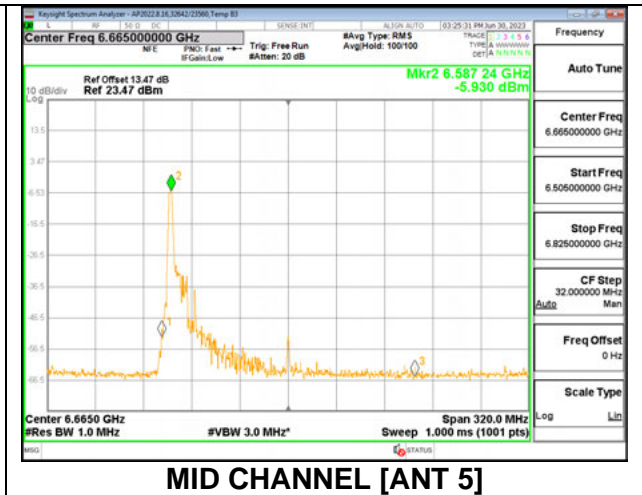
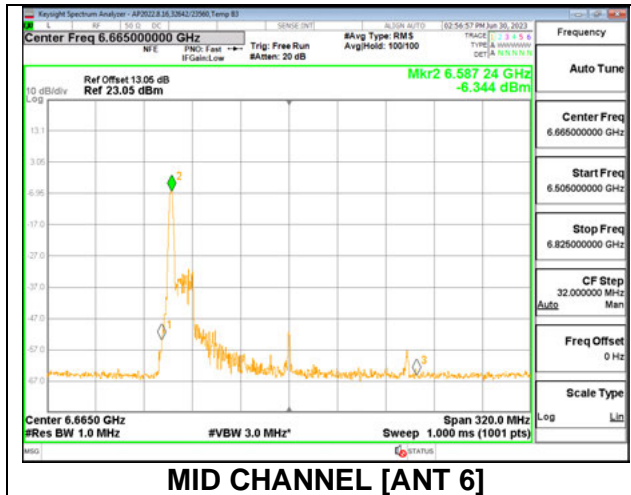
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-3.13	-3.02	-2.78	24.00	-26.78
Straddle	6825	-3.06	-3.08	-2.78	24.00	-26.78

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-6.344	-5.930	-3.157	-1.00	-2.157
Straddle	6825	-5.754	-5.991	-2.895	-1.00	-1.895



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-0.03	24.00	-1.00
Straddle	6825	-2.72	-0.03	24.00	-1.00

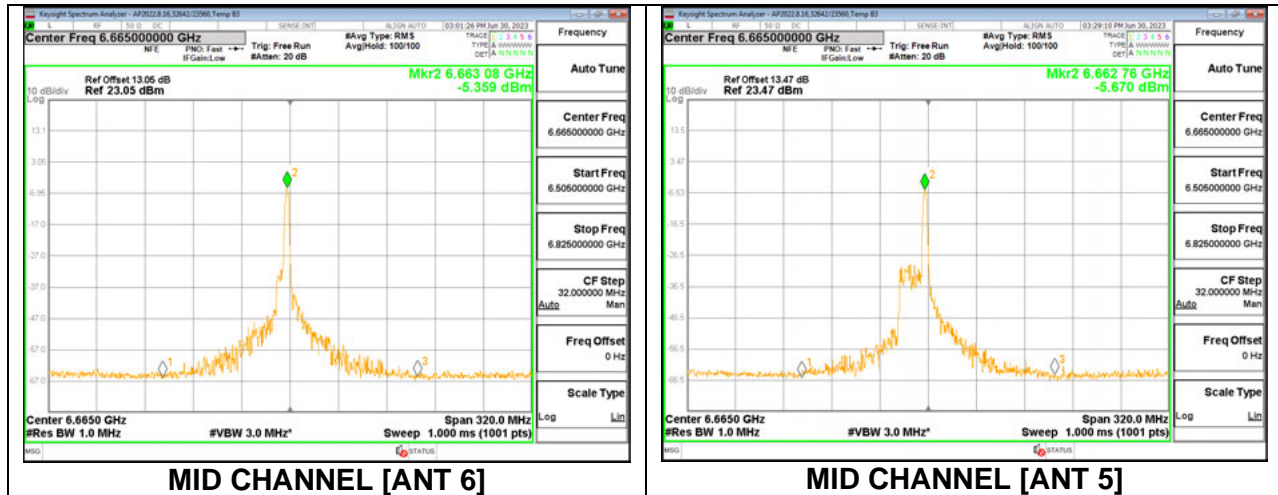
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-3.13	-3.10	-2.82	24.00	-26.82
Straddle	6825	-3.17	-3.16	-2.87	24.00	-26.87

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-5.359	-5.670	-2.536	-1.00	-1.536
Straddle	6825	-5.104	-5.366	-2.258	-1.00	-1.258



**2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-0.03	24.00	-1.00
Straddle	6825	-2.72	-0.03	24.00	-1.00

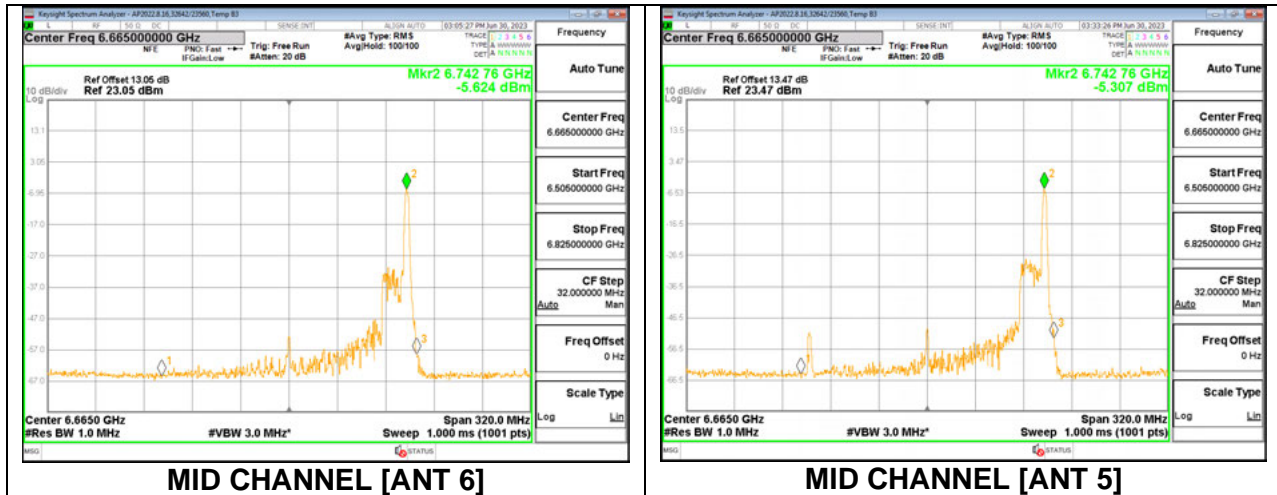
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-3.21	-3.15	-2.89	24.00	-26.89
Straddle	6825	-3.04	-3.15	-2.80	24.00	-26.80

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-5.624	-5.307	-2.487	-1.00	-1.487
Straddle	6825	-5.343	-4.842	-2.110	-1.00	-1.110



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/29/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-0.03	24.00	-1.00
Straddle	6825	-2.72	-0.03	24.00	-1.00

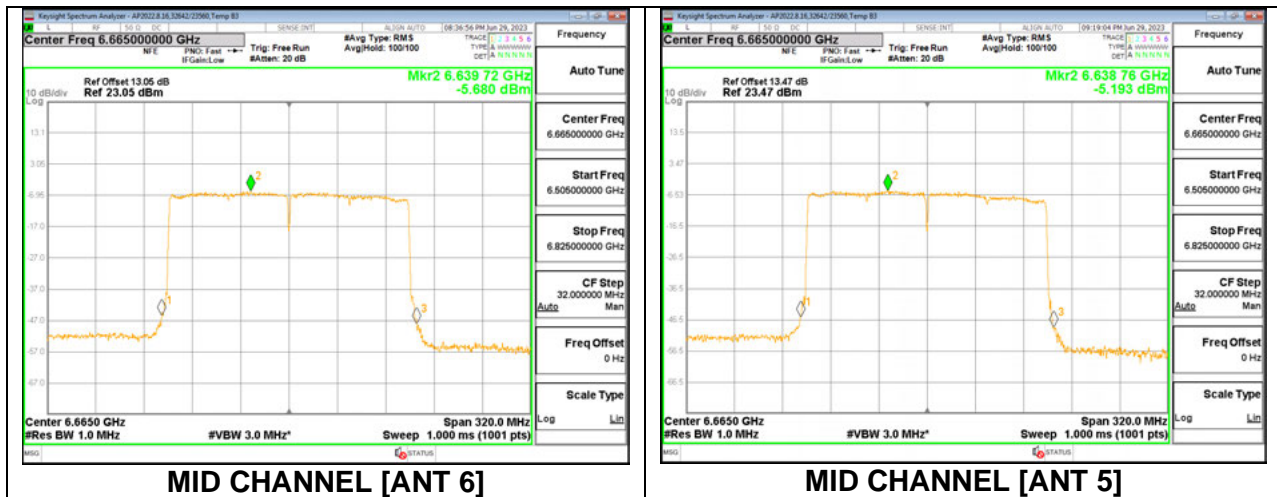
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	14.29	14.45	14.66	24.00	-9.34
Straddle	6825	14.41	14.35	14.67	24.00	-9.33

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-5.68	-5.193	-2.354	-1.00	-1.354
Straddle	6825	-5.137	-4.713	-1.844	-1.00	-0.844



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32606/23560
<b>Test Date:</b>	07/18/2023, 07/19/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-2.72	24.00	-1.00
Straddle	6825	-2.72	-2.72	24.00	-1.00

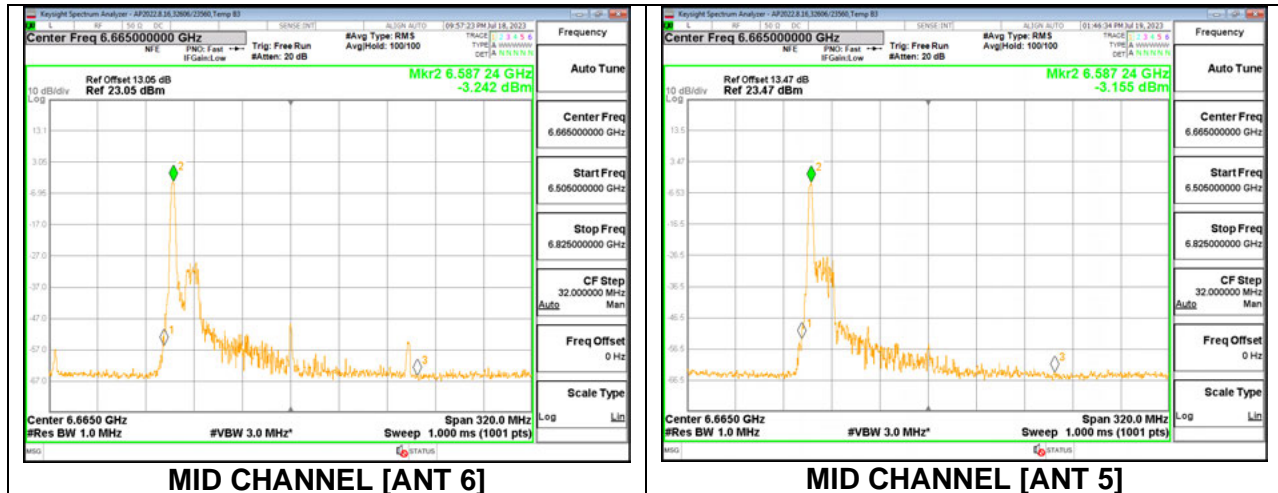
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-0.71	-0.65	-0.39	24.00	-24.39
Straddle	6825	-0.62	-0.64	-0.34	24.00	-24.34

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-3.242	-3.155	-2.905	-1.00	-1.905
Straddle	6825	-2.667	-2.827	-2.453	-1.00	-1.453



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32606/23560
<b>Test Date:</b>	07/18/2023, 07/19/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-2.72	24.00	-1.00
Straddle	6825	-2.72	-2.72	24.00	-1.00

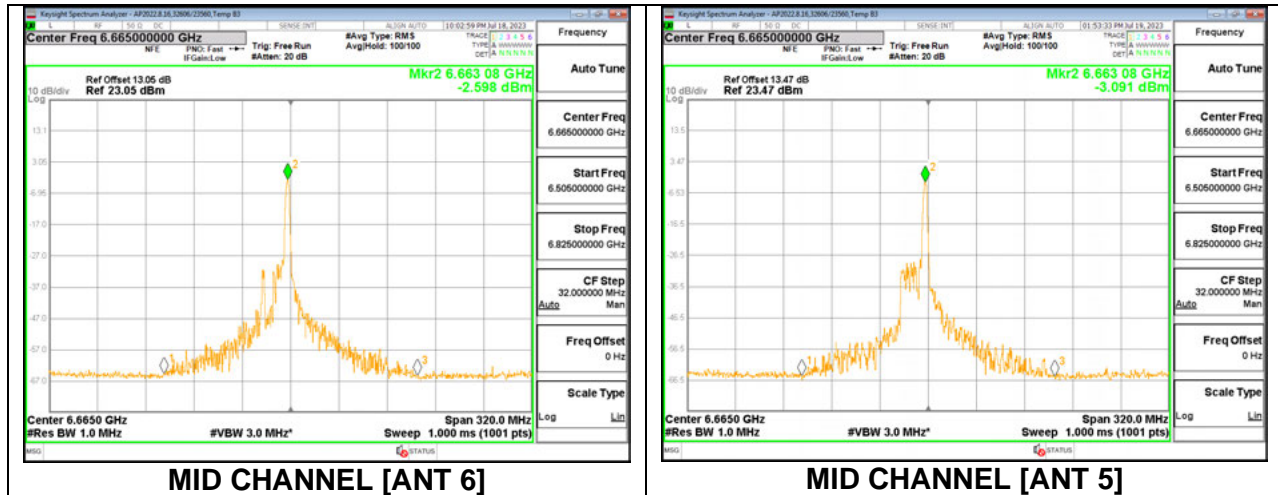
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-0.59	-0.55	-0.28	24.00	-24.28
Straddle	6825	-0.61	-0.54	-0.28	24.00	-24.28

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-2.598	-3.091	-2.544	-1.00	-1.544
Straddle	6825	-2.939	-3.013	-2.683	-1.00	-1.683



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32606/23560
<b>Test Date:</b>	07/18/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-2.72	24.00	-1.00
Straddle	6825	-2.72	-2.72	24.00	-1.00

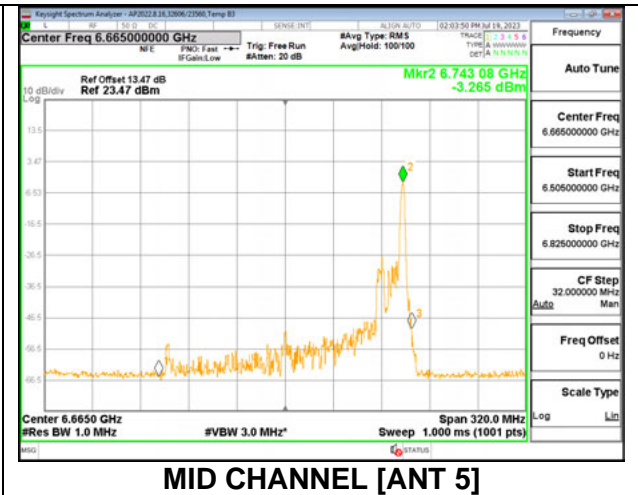
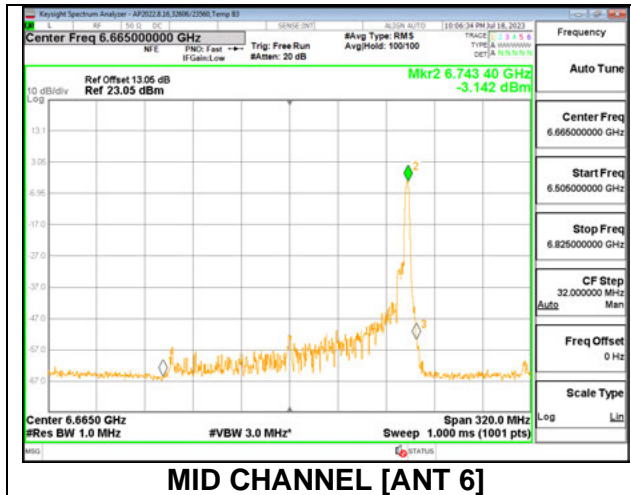
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	-0.55	-0.68	-0.32	24.00	-24.32
Straddle	6825	-0.51	-0.66	-0.29	24.00	-24.29

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-3.142	-3.265	-2.910	-1.00	-1.910
Straddle	6825	-2.507	-3.013	-2.459	-1.00	-1.459





**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32606/23560
<b>Test Date:</b>	07/18/2023, 07/19/2023

**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6665	-2.72	-2.72	24.00	-1.00
Straddle	6825	-2.72	-2.72	24.00	-1.00

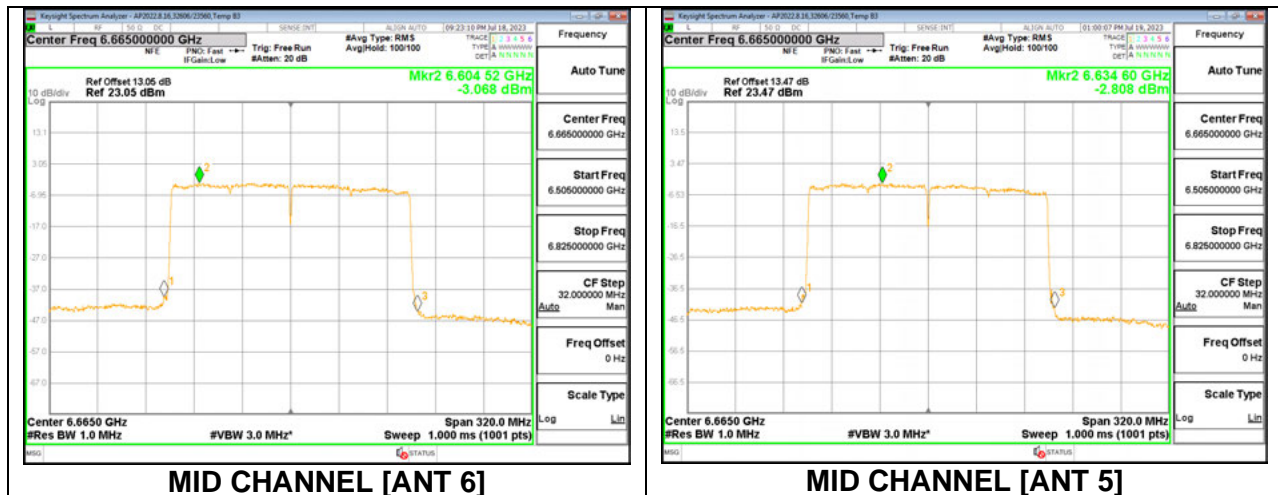
<b>Duty Cycle CF (dB)</b>	0.18	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6665	16.94	16.90	17.21	24.00	-6.79
Straddle	6825	16.90	16.87	17.18	24.00	-6.82

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6665	-3.068	-2.808	-2.463	-1.00	-1.463
Straddle	6825	-2.568	-2.563	-2.092	-1.00	-1.092



**9.3.13. 802.11ax HE20 MODE IN THE UNII-8 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-2.5	24.00	-1.00
Mid	6995	-2.5	24.00	-1.00
High	7095	-2.5	24.00	-1.00

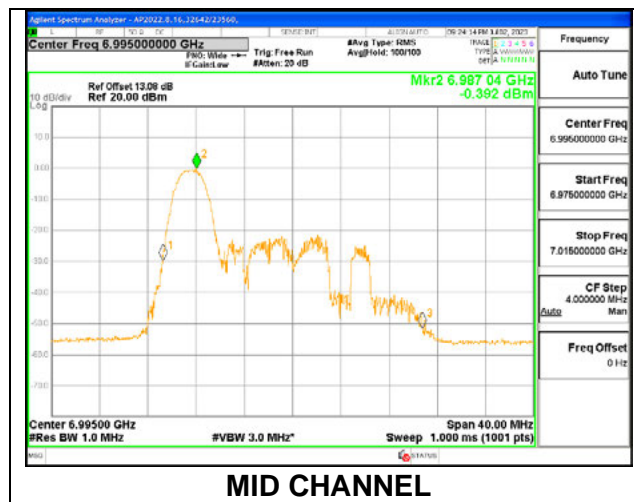
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	2.20	-0.30	24.00	-24.30
Mid	6995	2.23	-0.27	24.00	-24.27
High	7095	2.14	-0.36	24.00	-24.36

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-0.276	-2.776	-1.00	-1.78
Mid	6995	-0.392	-2.892	-1.00	-1.89
High	7095	-0.508	-3.008	-1.00	-2.01



**1TX Antenna 6 MODE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-2.5	24.00	-1.00
Mid	6995	-2.5	24.00	-1.00
High	7095	-2.5	24.00	-1.00

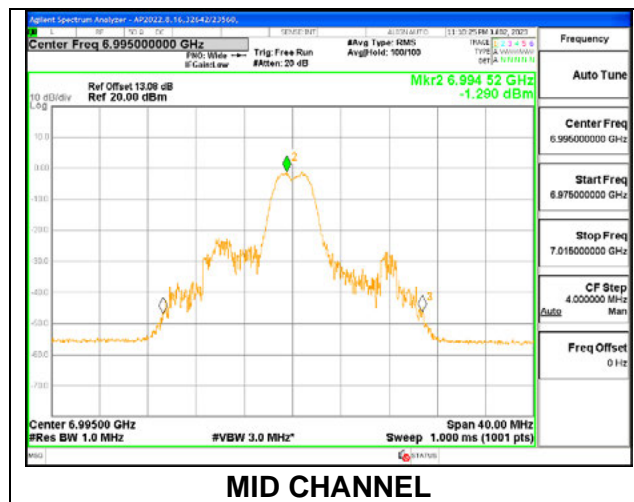
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	6895	2.18	-0.32	24.00	-24.32
Mid	6995	2.12	-0.38	24.00	-24.38
High	7095	2.20	-0.30	24.00	-24.30

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-0.809	-3.309	-1.00	-2.31
Mid	6995	-1.290	-3.79	-1.00	-2.79
High	7095	-1.568	-4.068	-1.00	-3.07



**1TX Antenna 6 MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-2.5	24.00	-1.00
Mid	6995	-2.5	24.00	-1.00
High	7095	-2.5	24.00	-1.00

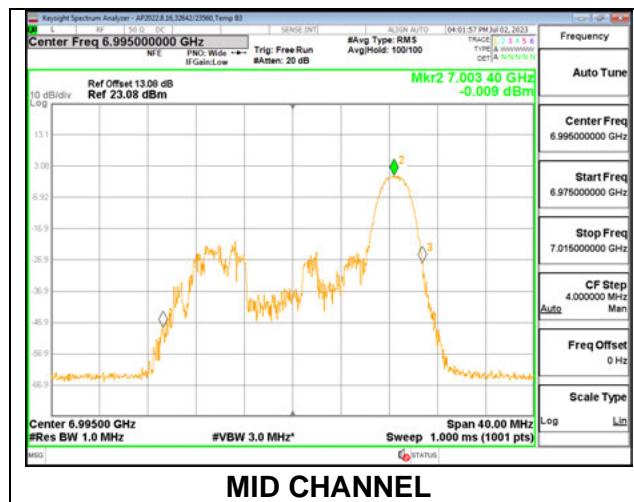
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	2.20	-0.30	24.00	-24.30
Mid	6995	2.23	-0.27	24.00	-24.27
High	7095	2.07	-0.43	24.00	-24.43

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	0.231	-2.269	-1.00	-1.27
Mid	6995	-0.009	-2.509	-1.00	-1.51
High	7095	-1.098	-3.598	-1.00	-2.60



**1TX Antenna 6 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-2.5	24.00	-1.00
Mid	6995	-2.5	24.00	-1.00
High	7095	-2.5	24.00	-1.00
233	7115	-2.5	24.00	-1.00

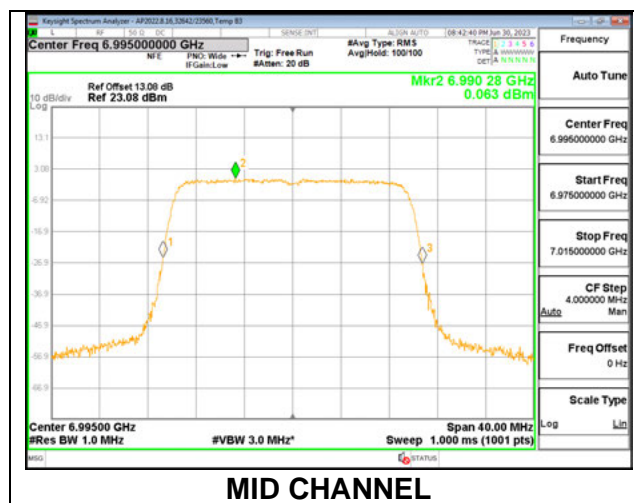
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	11.24	8.74	24.00	-15.26
Mid	6995	11.17	8.67	24.00	-15.33
High	7095	11.21	8.71	24.00	-15.29
233	7115	-3.65	-6.15	24.00	-30.15

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	0.158	-2.342	-1.00	-1.34
Mid	6995	0.063	-2.437	-1.00	-1.44
High	7095	0.232	-2.268	-1.00	-1.27
233	7115	-14.151	-16.651	-1.00	-15.65



**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/2023
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-7.5	24.00	-1.00
Mid	6995	-7.5	24.00	-1.00
High	7095	-7.5	24.00	-1.00

<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 EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	2.14	-5.36	24.00	-29.36
Mid	6995	2.19	-5.31	24.00	-29.31
High	7095	2.21	-5.29	24.00	-29.29

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-0.045	-7.545	-1.00	-6.55
Mid	6995	-0.173	-7.673	-1.00	-6.67
High	7095	-0.744	-8.244	-1.00	-7.24



**1TX Antenna 5 MODE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/03/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-7.5	24.00	-1.00
Mid	6995	-7.5	24.00	-1.00
High	7095	-7.5	24.00	-1.00

<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 EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	2.21	-5.29	24.00	-29.29
Mid	6995	2.14	-5.36	24.00	-29.36
High	7095	2.09	-5.41	24.00	-29.41

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-1.160	-8.660	-1.00	-7.66
Mid	6995	-1.645	-9.145	-1.00	-8.15
High	7095	-1.415	-8.915	-1.00	-7.92



**1TX Antenna 5 MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-7.5	24.00	-1.00
Mid	6995	-7.5	24.00	-1.00
High	7095	-7.5	24.00	-1.00

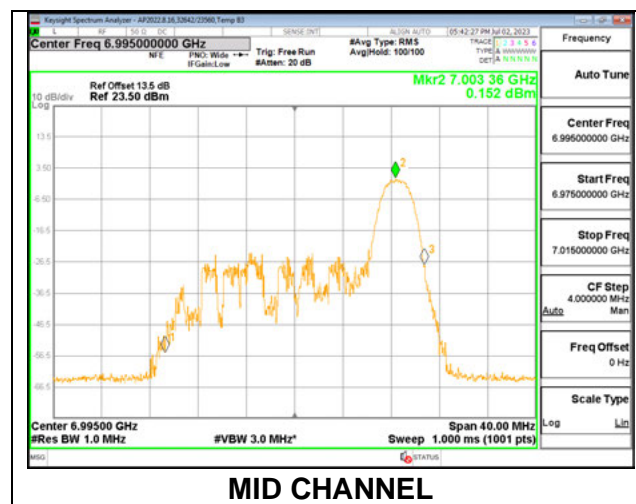
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	2.18	-5.32	24.00	-29.32
Mid	6995	2.12	-5.38	24.00	-29.38
High	7095	2.21	-5.29	24.00	-29.29

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-0.141	-7.641	-1.00	-6.64
Mid	6995	0.152	-7.348	-1.00	-6.35
High	7095	-0.830	-8.33	-1.00	-7.33





**1TX Antenna 5 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-7.5	24.00	-1.00
Mid	6995	-7.5	24.00	-1.00
High	7095	-7.5	24.00	-1.00
233	7115	-7.5	24.00	-1.00

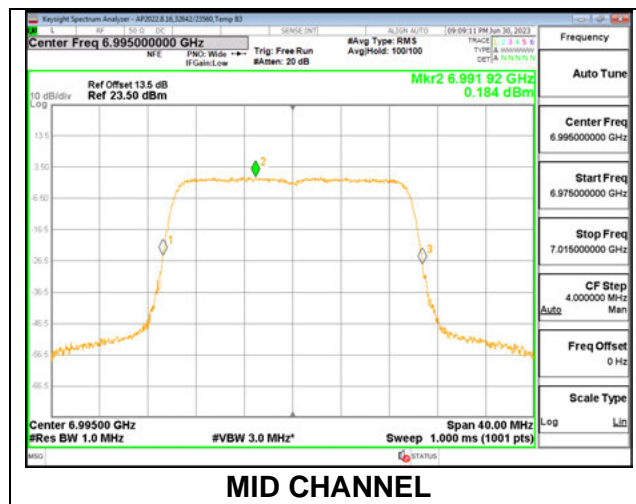
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	11.21	3.71	24.00	-20.29
Mid	6995	11.23	3.73	24.00	-20.27
High	7095	11.19	3.69	24.00	-20.31
233	7115	-3.56	-11.06	24.00	-35.06

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	0.259	-7.241	-1.00	-6.24
Mid	6995	0.184	-7.316	-1.00	-6.32
High	7095	-0.211	-7.711	-1.00	-6.71
233	7115	-14.139	-21.639	-1.00	-20.64



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-1.63	24.00	-1.00
Mid	6995	-4.32	-1.63	24.00	-1.00
High	7095	-4.32	-1.63	24.00	-1.00

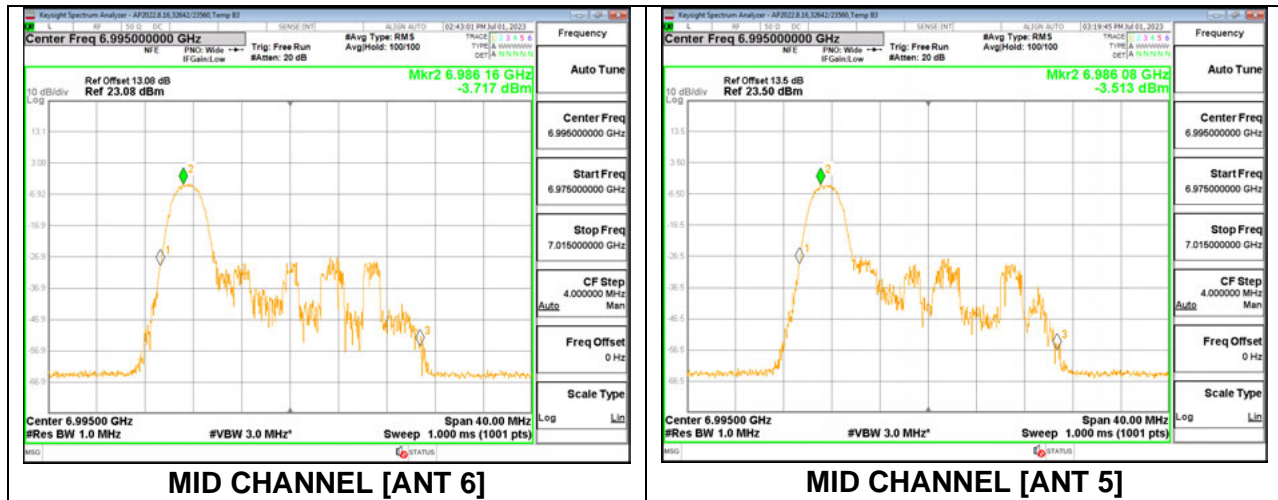
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-1.69	-1.69	-3.00	24.00	-27.00
Mid	6995	-1.63	-1.56	-2.90	24.00	-26.90
High	7095	-1.62	-1.65	-2.94	24.00	-26.94

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-3.522	-3.266	-2.017	-1.00	-1.017
Mid	6995	-3.717	-3.513	-2.238	-1.00	-1.238
High	7095	-3.888	-4.130	-2.632	-1.00	-1.632



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-1.63	24.00	-1.00
Mid	6995	-4.32	-1.63	24.00	-1.00
High	7095	-4.32	-1.63	24.00	-1.00

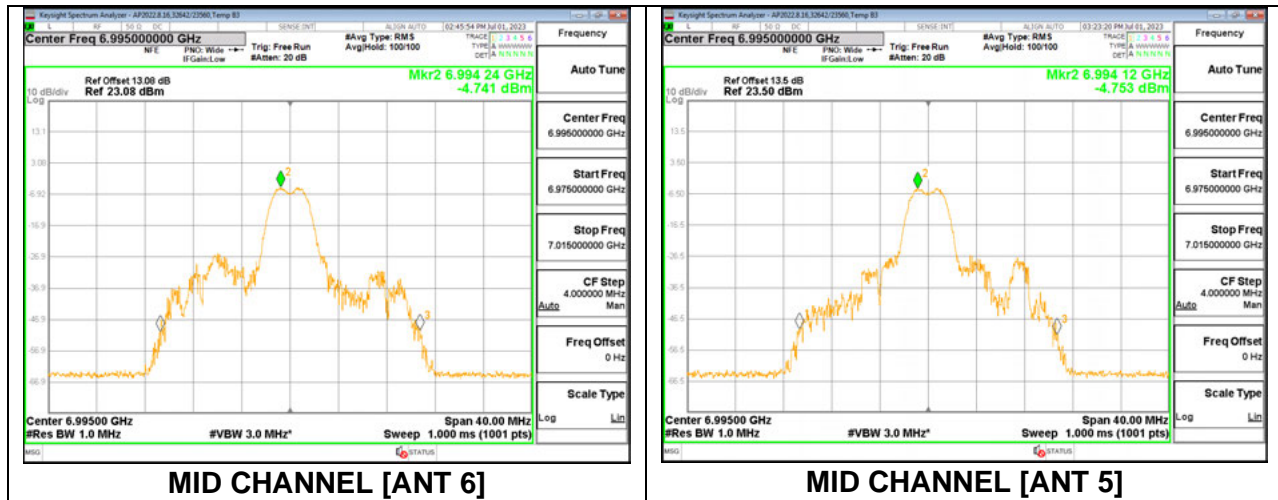
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-1.52	-1.51	-2.82	24.00	-26.82
Mid	6995	-1.56	-1.55	-2.86	24.00	-26.86
High	7095	-1.59	-1.54	-2.87	24.00	-26.87

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-4.836	-4.342	-3.206	-1.00	-2.206
Mid	6995	-4.741	-4.753	-3.371	-1.00	-2.371
High	7095	-4.419	-4.765	-3.213	-1.00	-2.213



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-1.63	24.00	-1.00
Mid	6995	-4.32	-1.63	24.00	-1.00
High	7095	-4.32	-1.63	24.00	-1.00

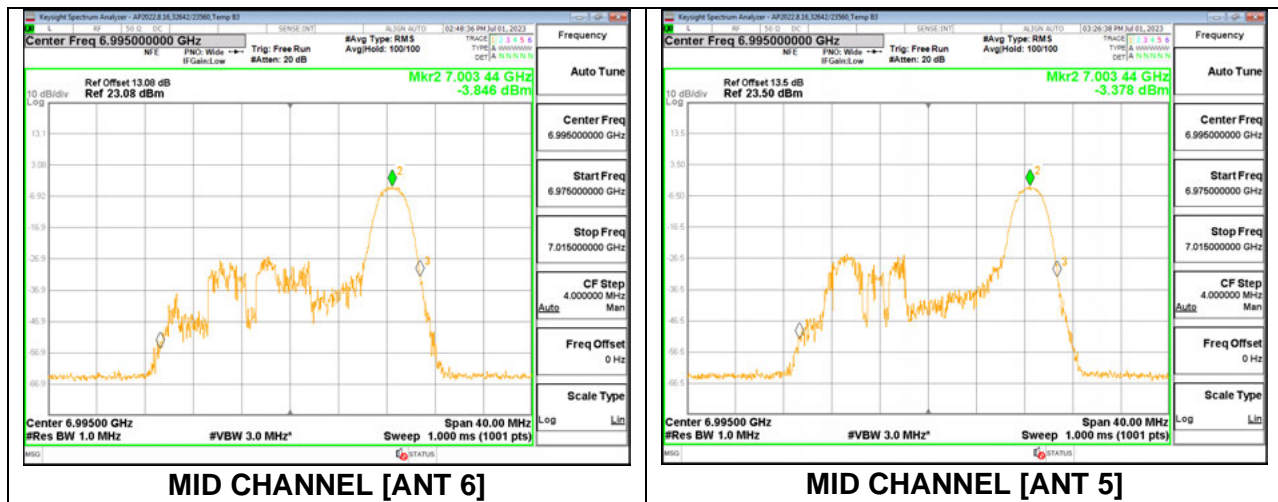
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-1.66	-1.65	-2.96	24.00	-26.96
Mid	6995	-1.60	-1.64	-2.93	24.00	-26.93
High	7095	-1.53	-1.60	-2.87	24.00	-26.87

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-3.419	-3.266	-1.966	-1.00	-0.966
Mid	6995	-3.846	-3.378	-2.230	-1.00	-1.230
High	7095	-3.965	-3.856	-2.535	-1.00	-1.535



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-1.63	24.00	-1.00
Mid	6995	-4.32	-1.63	24.00	-1.00
High	7095	-4.32	-1.63	24.00	-1.00
233	7115	-4.32	-1.63	30.00	-1.00

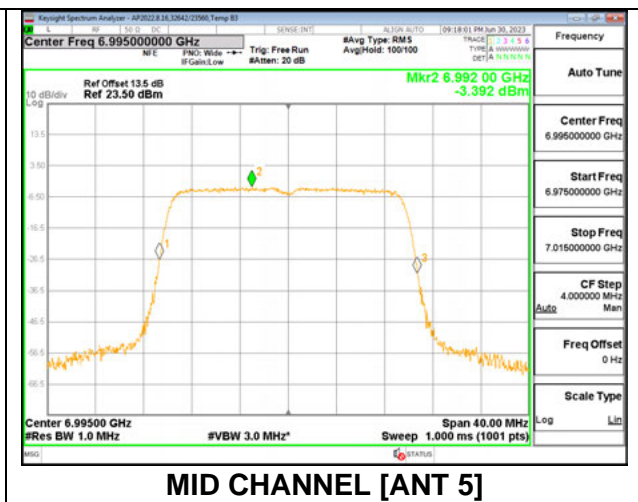
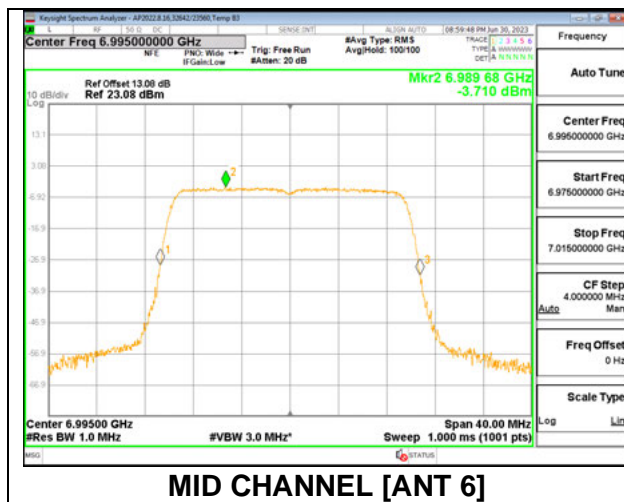
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	7.33	7.40	6.06	24.00	-17.94
Mid	6995	7.42	7.45	6.13	24.00	-17.87
High	7095	7.39	7.47	6.12	24.00	-17.88
233	7115	-4.55	-4.61	-5.89	30.00	-35.89

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-3.753	-3.468	-2.233	-1.00	-1.233
Mid	6995	-3.710	-3.392	-2.173	-1.00	-1.173
High	7095	-3.831	-3.734	-2.407	-1.00	-1.407
233	7115	-15.417	-15.491	-12.444	-1.00	-11.444



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32181/23560
<b>Test Date:</b>	07/10/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-4.32	24.00	-1.00
Mid	6995	-4.32	-4.32	24.00	-1.00
High	7095	-4.32	-4.32	24.00	-1.00

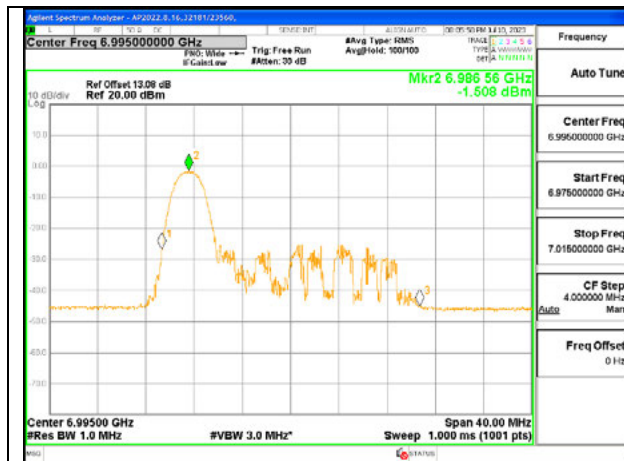
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

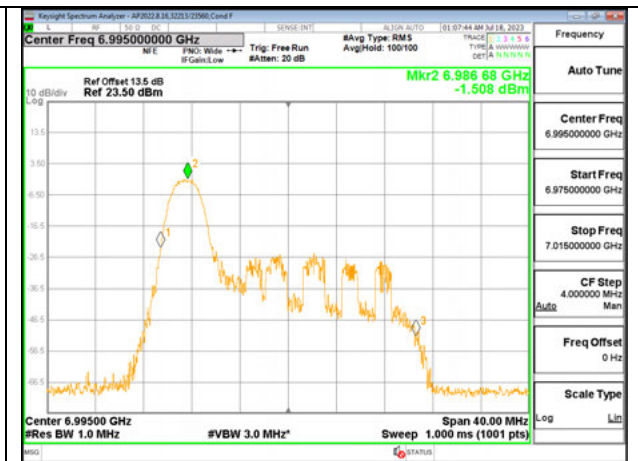
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	1.17	1.21	-0.12	24.00	-24.12
Mid	6995	1.19	1.11	-0.16	24.00	-24.16
High	7095	1.20	1.19	-0.11	24.00	-24.11

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-1.660	-1.384	-2.826	-1.00	-1.826
Mid	6995	-1.508	-1.508	-2.815	-1.00	-1.815
High	7095	-1.181	-1.034	-2.414	-1.00	-1.414



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**

**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	32181/23560, 32213/23560
<b>Test Date:</b>	07/10/2023, 07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-4.32	24.00	-1.00
Mid	6995	-4.32	-4.32	24.00	-1.00
High	7095	-4.32	-4.32	24.00	-1.00

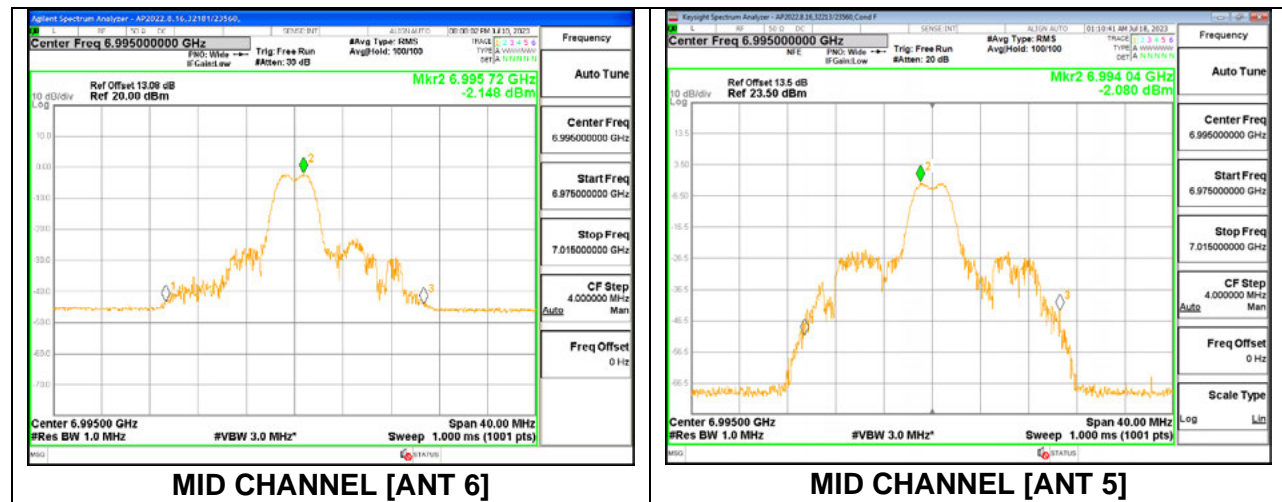
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	1.15	1.20	-0.13	24.00	-24.13
Mid	6995	1.19	1.23	-0.10	24.00	-24.10
High	7095	1.17	1.21	-0.12	24.00	-24.12

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-2.737	-2.320	-3.830	-1.00	-2.830
Mid	6995	-2.148	-2.080	-3.421	-1.00	-2.421
High	7095	-2.576	-2.120	-3.649	-1.00	-2.649



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32181/23560, 32213/23560
<b>Test Date:</b>	07/10/2023, 07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-4.32	24.00	-1.00
Mid	6995	-4.32	-4.32	24.00	-1.00
High	7095	-4.32	-4.32	24.00	-1.00

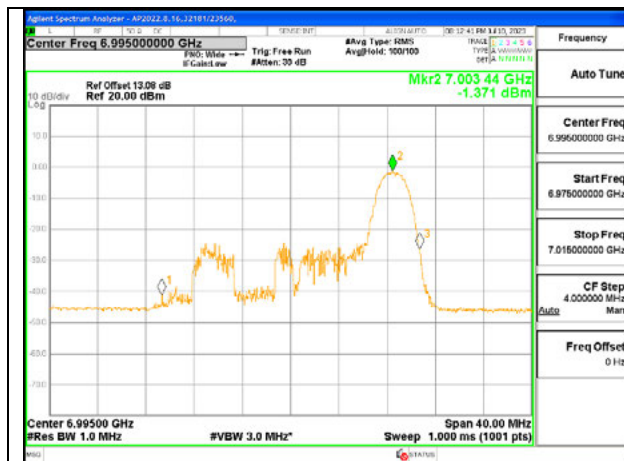
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

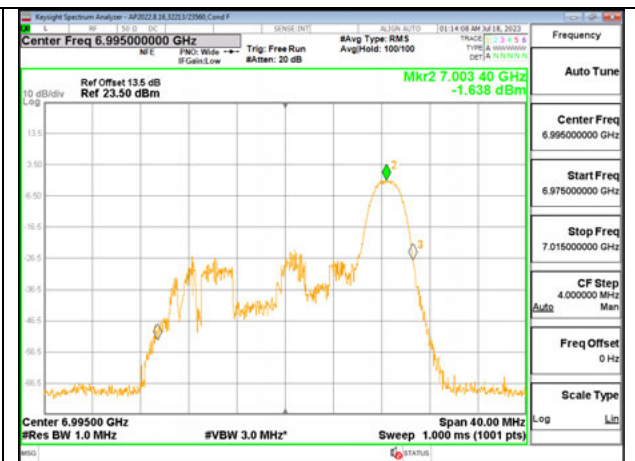
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	1.19	1.11	-0.16	24.00	-24.16
Mid	6995	1.21	1.22	-0.09	24.00	-24.09
High	7095	1.19	1.17	-0.13	24.00	-24.13

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	-1.873	-1.590	-3.036	-1.00	-2.036
Mid	6995	-1.371	-1.638	-2.809	-1.00	-1.809
High	7095	-1.193	-1.294	-2.550	-1.00	-1.550



**MID CHANNEL [ANT 6]**



**MID CHANNEL [ANT 5]**



**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6895	-4.32	-4.32	24.00	-1.00
Mid	6995	-4.32	-4.32	24.00	-1.00
High	7095	-4.32	-4.32	24.00	-1.00
233	7115	-4.32	-4.32	30.00	-1.00

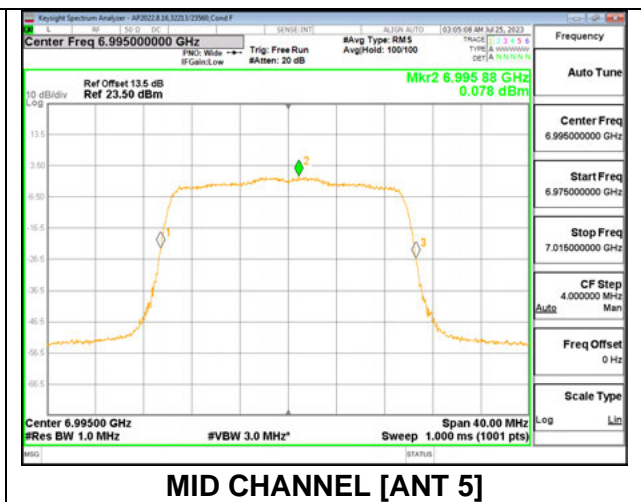
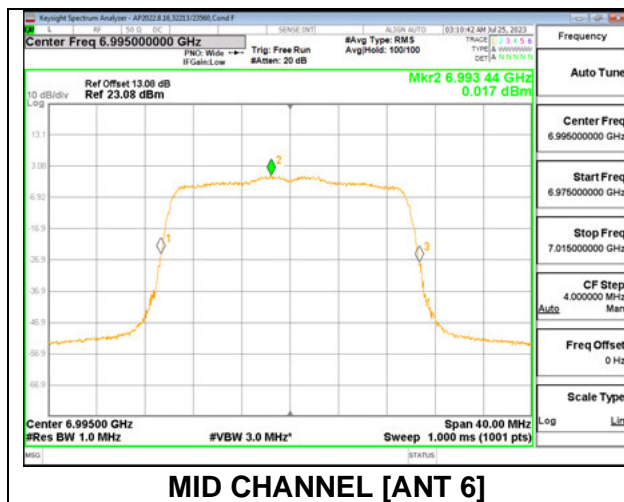
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	10.21	10.14	8.87	24.00	-15.13
Mid	6995	10.19	10.09	8.83	24.00	-15.17
High	7095	10.23	10.11	8.86	24.00	-15.14
233	7115	-4.66	-4.55	-5.91	30.00	-35.91

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6895	0.196	0.128	-1.145	-1.00	-0.145
Mid	6995	0.017	0.078	-1.259	-1.00	-0.259
High	7095	0.028	-0.077	-1.331	-1.00	-0.331
233	7115	-15.035	-14.881	-16.264	-1.00	-15.264



**9.3.14. 802.11ax HE40 MODE IN THE UNII-8 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-0.9	24.00	-1.00
Low	6965	-2.5	24.00	-1.00
High	7085	-2.5	24.00	-1.00

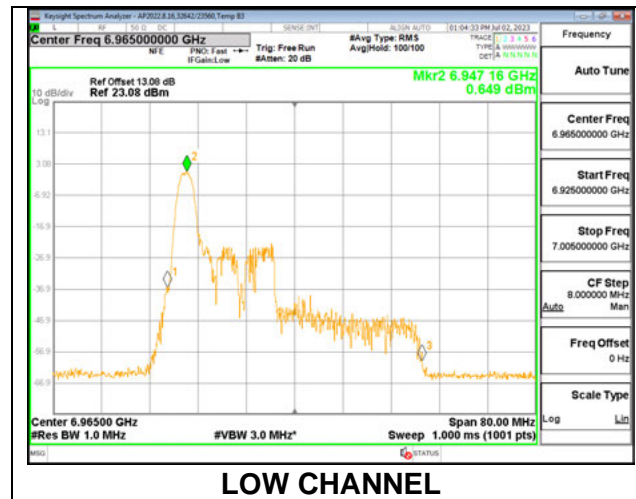
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.69	-0.21	24.00	-24.21
Low	6965	2.19	-0.31	24.00	-24.31
High	7085	2.21	-0.29	24.00	-24.29

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.781	-3.681	-1.00	-2.68
Low	6965	0.649	-1.851	-1.00	-0.85
High	7085	0.748	-1.752	-1.00	-0.75



**1TX Antenna 6 MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-0.9	24.00	-1.00
Low	6965	-2.5	24.00	-1.00
High	7085	-2.5	24.00	-1.00

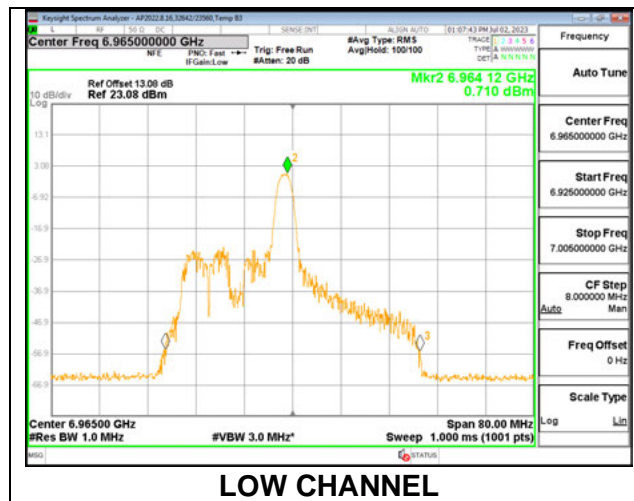
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.65	-0.25	24.00	-24.25
Low	6965	2.23	-0.27	24.00	-24.27
High	7085	2.18	-0.32	24.00	-24.32

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.548	-3.448	-1.00	-2.45
Low	6965	0.710	-1.790	-1.00	-0.79
High	7085	0.281	-2.219	-1.00	-1.22



**1TX Antenna 6 MODE – 26 Tones, RU Index 17**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-0.9	24.00	-1.00
Low	6965	-2.5	24.00	-1.00
High	7085	-2.5	24.00	-1.00

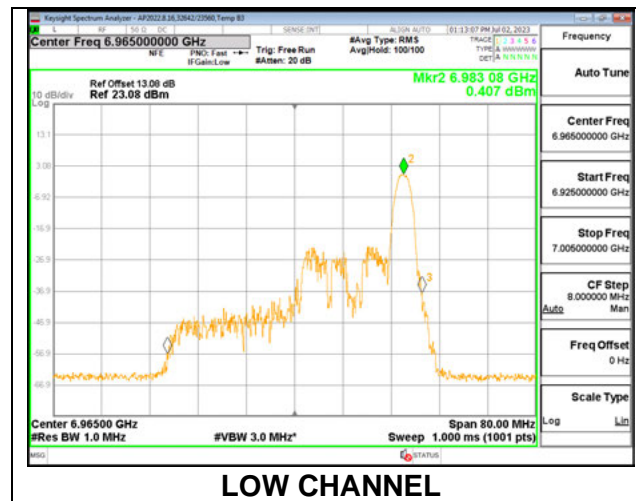
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.66	-0.24	24.00	-24.24
Low	6965	2.20	-0.30	24.00	-24.30
High	7085	2.22	-0.28	24.00	-24.28

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.954	-3.854	-1.00	-2.85
Low	6965	0.407	-2.093	-1.00	-1.09
High	7085	0.418	-2.082	-1.00	-1.08



**1TX Antenna 6 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-0.9	24.00	-1.00
Low	6965	-2.5	24.00	-1.00
High	7085	-2.5	24.00	-1.00

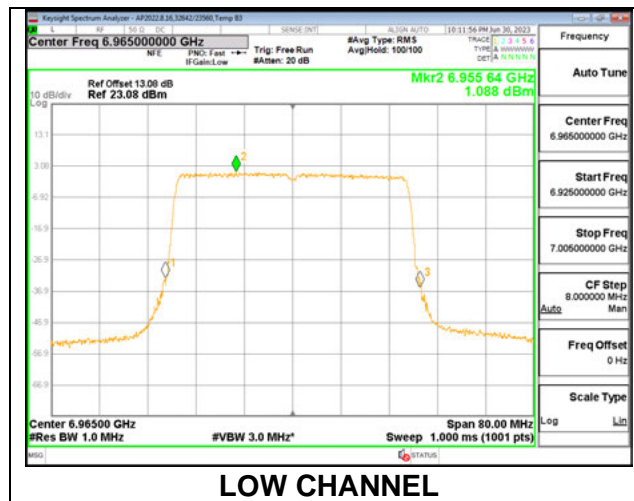
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	12.60	11.70	24.00	-12.30
Low	6965	14.21	11.71	24.00	-12.29
High	7085	14.19	11.69	24.00	-12.31

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.391	-3.291	-1.00	-2.29
Low	6965	1.088	-1.412	-1.00	-0.41
High	7085	0.635	-1.865	-1.00	-0.87



**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-5.9	24.00	-1.00
Low	6965	-7.5	24.00	-1.00
High	7085	-7.5	24.00	-1.00

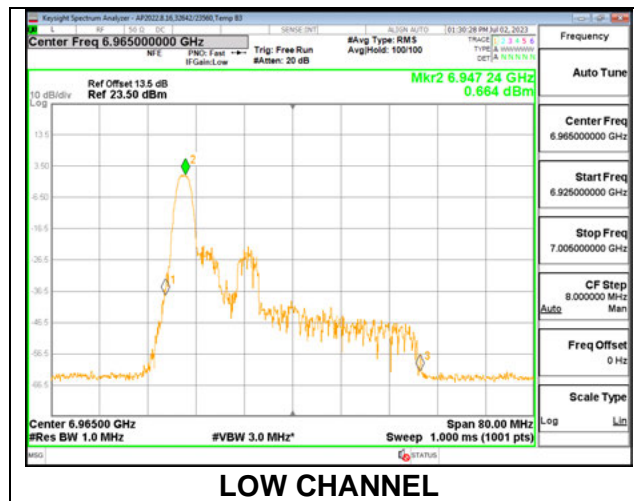
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.79	-5.11	24.00	-29.11
Low	6965	2.19	-5.31	24.00	-29.31
High	7085	2.09	-5.41	24.00	-29.41

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.691	-8.591	-1.00	-7.59
Low	6965	0.664	-6.836	-1.00	-5.84
High	7085	0.518	-6.982	-1.00	-5.98



**1TX Antenna 5 MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-5.9	24.00	-1.00
Low	6965	-7.5	24.00	-1.00
High	7085	-7.5	24.00	-1.00

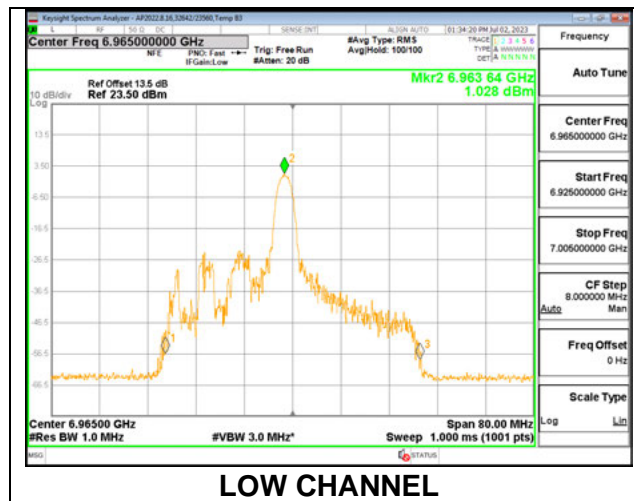
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.64	-5.26	24.00	-29.26
Low	6965	2.17	-5.33	24.00	-29.33
High	7085	2.15	-5.35	24.00	-29.35

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.551	-8.451	-1.00	-7.45
Low	6965	1.028	-6.472	-1.00	-5.47
High	7085	0.537	-6.963	-1.00	-5.96



**LOW CHANNEL**

**1TX Antenna 5 MODE – 26 Tones, RU Index 17**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-5.9	24.00	-1.00
Low	6965	-7.5	24.00	-1.00
High	7085	-7.5	24.00	-1.00

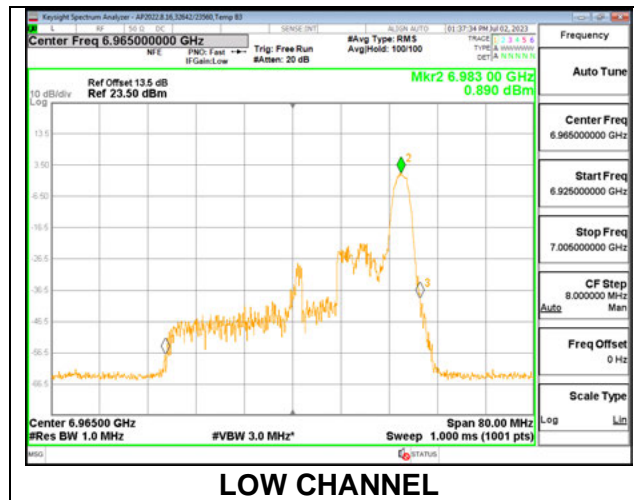
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	0.70	-5.20	24.00	-29.20
Low	6965	2.23	-5.27	24.00	-29.27
High	7085	2.16	-5.34	24.00	-29.34

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.532	-8.432	-1.00	-7.43
Low	6965	0.890	-6.610	-1.00	-5.61
High	7085	0.478	-7.022	-1.00	-6.02



**LOW CHANNEL**



**1TX Antenna 5 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-5.9	24.00	-1.00
Low	6965	-7.5	24.00	-1.00
High	7085	-7.5	24.00	-1.00

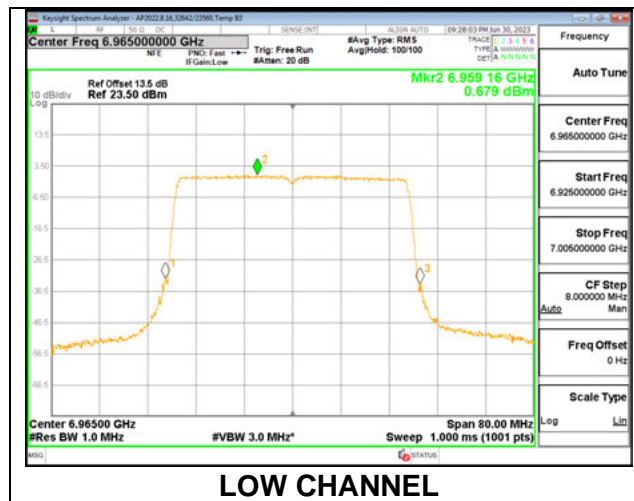
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	12.71	6.81	24.00	-17.19
Low	6965	14.13	6.63	24.00	-17.37
High	7085	14.09	6.59	24.00	-17.41

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.476	-8.376	-1.00	-7.38
Low	6965	0.679	-6.821	-1.00	-5.82
High	7085	0.427	-7.073	-1.00	-6.07



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-0.03	24.00	-1.00
Low	6965	-4.32	-1.63	24.00	-1.00
High	7085	-4.32	-1.63	24.00	-1.00

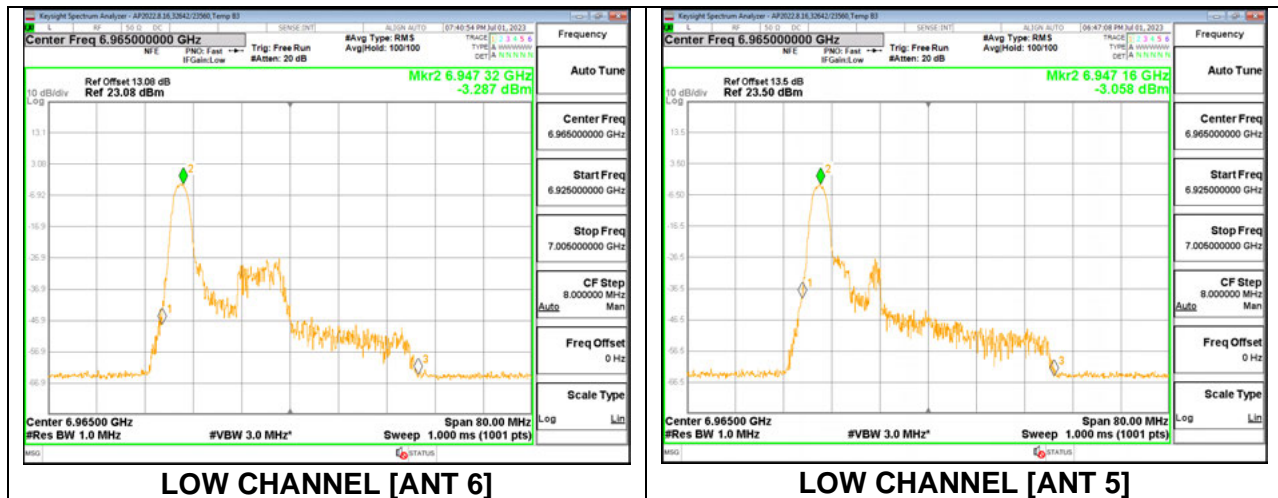
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.05	-3.13	-2.80	24.00	-26.80
Low	6965	-1.68	-1.70	-3.00	24.00	-27.00
High	7085	-1.58	-1.68	-2.94	24.00	-26.94

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-5.872	-5.754	-2.832	-1.00	-1.832
Low	6965	-3.287	-3.058	-1.795	-1.00	-0.795
High	7085	-3.244	-3.475	-1.982	-1.00	-0.982



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

<b>Test Engineer:</b>	19232
<b>Test Date:</b>	07/09/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-0.03	24.00	-1.00
Low	6965	-4.32	-1.63	24.00	-1.00
High	7085	-4.32	-1.63	24.00	-1.00

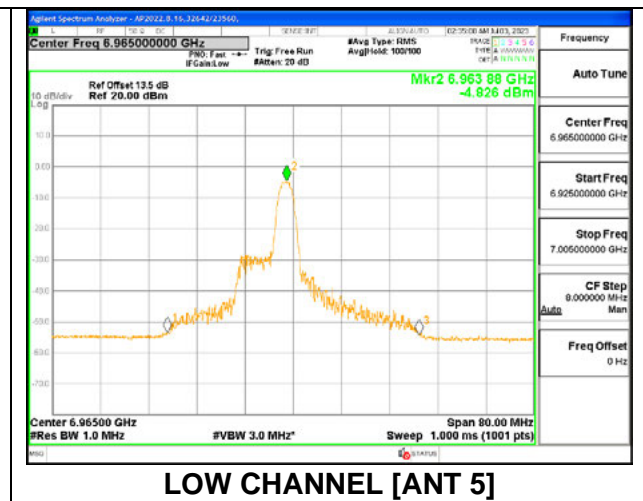
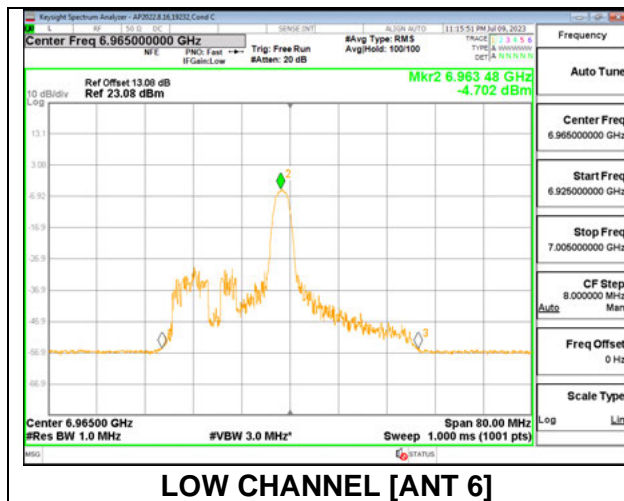
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.03	-3.16	-2.80	24.00	-26.80
Low	6965	-1.62	-1.71	-2.97	24.00	-26.97
High	7085	-1.70	-1.71	-3.01	24.00	-27.01

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-5.605	-5.754	-2.699	-1.00	-1.699
Low	6965	-4.702	-4.826	-3.388	-1.00	-2.388
High	7085	-4.241	-4.528	-3.007	-1.00	-2.007



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-0.03	24.00	-1.00
Low	6965	-4.32	-1.63	24.00	-1.00
High	7085	-4.32	-1.63	24.00	-1.00

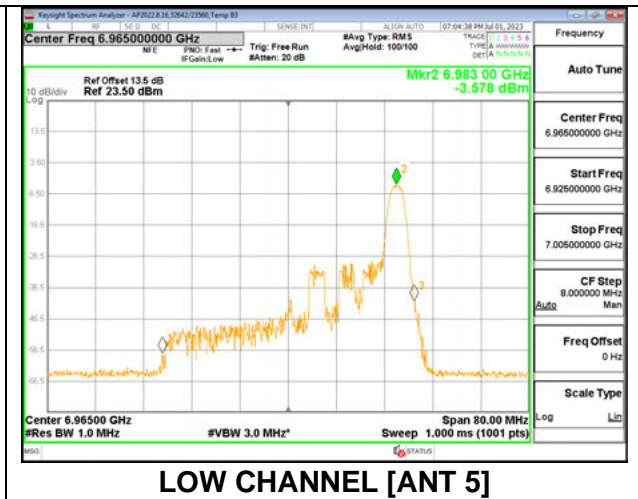
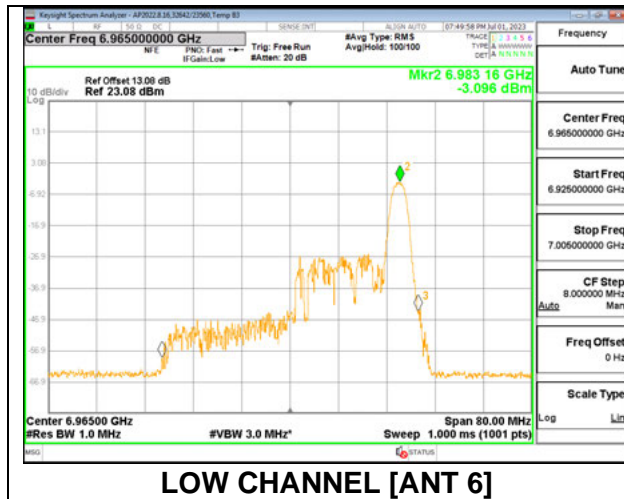
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.16	-3.08	-2.83	24.00	-26.83
Low	6965	-1.66	-1.53	-2.90	24.00	-26.90
High	7085	-1.65	-1.52	-2.89	24.00	-26.89

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-4.528	-4.750	-1.657	-1.00	-0.657
Low	6965	-3.096	-3.578	-1.955	-1.00	-0.955
High	7085	-4.741	-4.398	-3.191	-1.00	-2.191



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	06/30/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-0.03	24.00	-1.00
Low	6965	-4.32	-1.63	24.00	-1.00
High	7085	-4.32	-1.63	24.00	-1.00

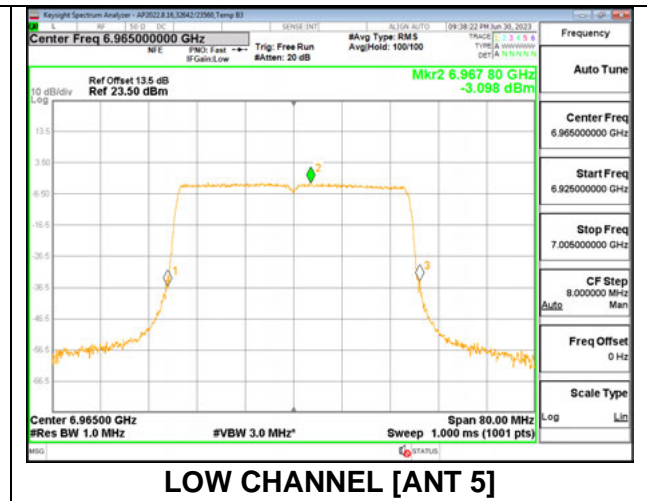
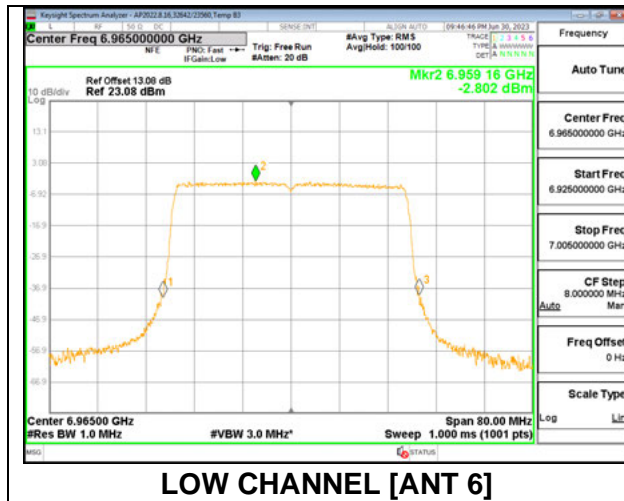
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	8.93	8.96	9.24	24.00	-14.76
Low	6965	10.48	10.38	9.12	24.00	-14.88
High	7085	10.46	10.45	9.15	24.00	-14.85

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-4.240	-4.720	-1.493	-1.00	-0.493
Low	6965	-2.802	-3.098	-1.572	-1.00	-0.572
High	7085	-3.076	-3.532	-1.922	-1.00	-0.922



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	28161/23560
<b>Test Date:</b>	07/15/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-2.72	24.00	-1.00
Low	6965	-4.32	-4.32	24.00	-1.00
High	7085	-4.32	-4.32	24.00	-1.00

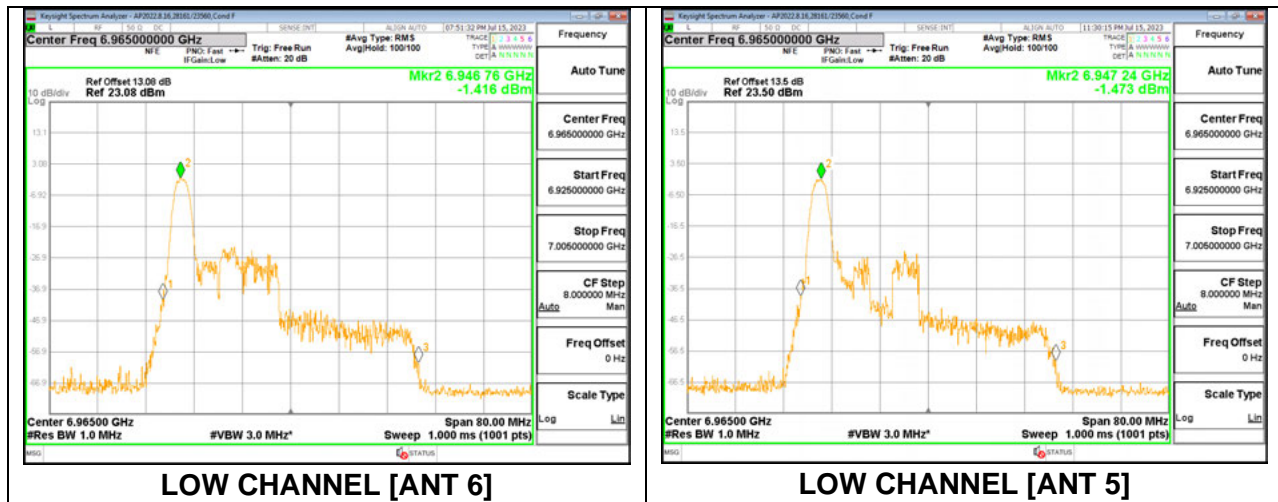
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-0.64	-0.53	-0.29	24.00	-24.29
Low	6965	1.12	1.21	-0.14	24.00	-24.14
High	7085	1.15	1.20	-0.13	24.00	-24.13

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-3.657	-3.200	-3.132	-1.00	-2.132
Low	6965	-1.416	-1.473	-2.751	-1.00	-1.751
High	7085	-1.760	-1.607	-2.990	-1.00	-1.990



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	28161/23560
<b>Test Date:</b>	07/15/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-2.72	24.00	-1.00
Low	6965	-4.32	-4.32	24.00	-1.00
High	7085	-4.32	-4.32	24.00	-1.00

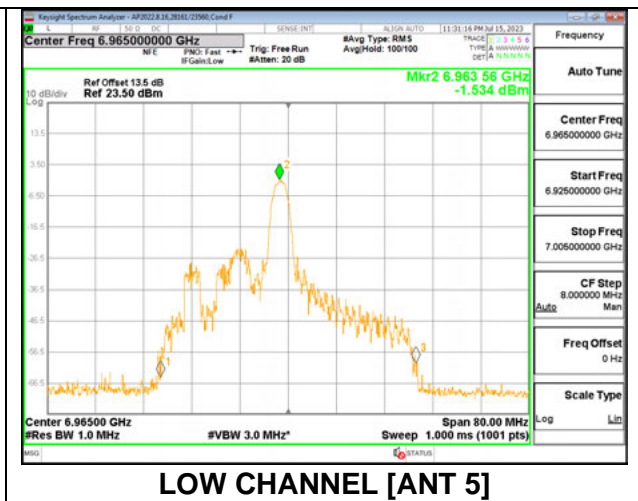
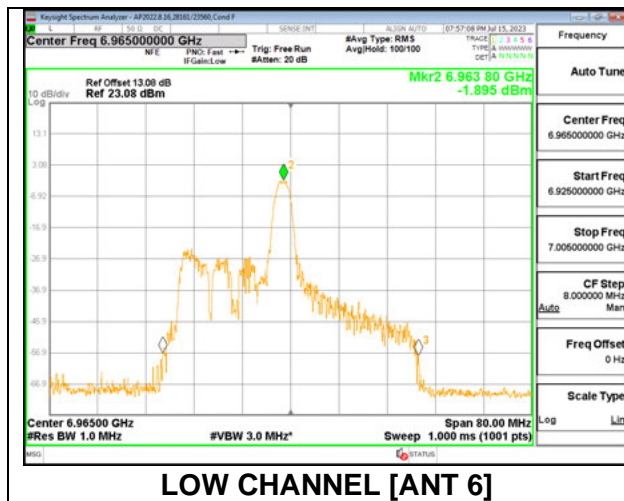
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-0.56	-0.63	-0.30	24.00	-24.30
Low	6965	1.13	1.20	-0.14	24.00	-24.14
High	7085	1.11	1.19	-0.16	24.00	-24.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-3.478	-3.554	-3.226	-1.00	-2.226
Low	6965	-1.895	-1.534	-3.017	-1.00	-2.017
High	7085	-1.784	-1.457	-2.924	-1.00	-1.924



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 17**

<b>Test Engineer:</b>	32213/23560, 28161/23560
<b>Test Date:</b>	07/17/2023, 07/15/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-2.72	24.00	-1.00
Low	6965	-4.32	-4.32	24.00	-1.00
High	7085	-4.32	-4.32	24.00	-1.00

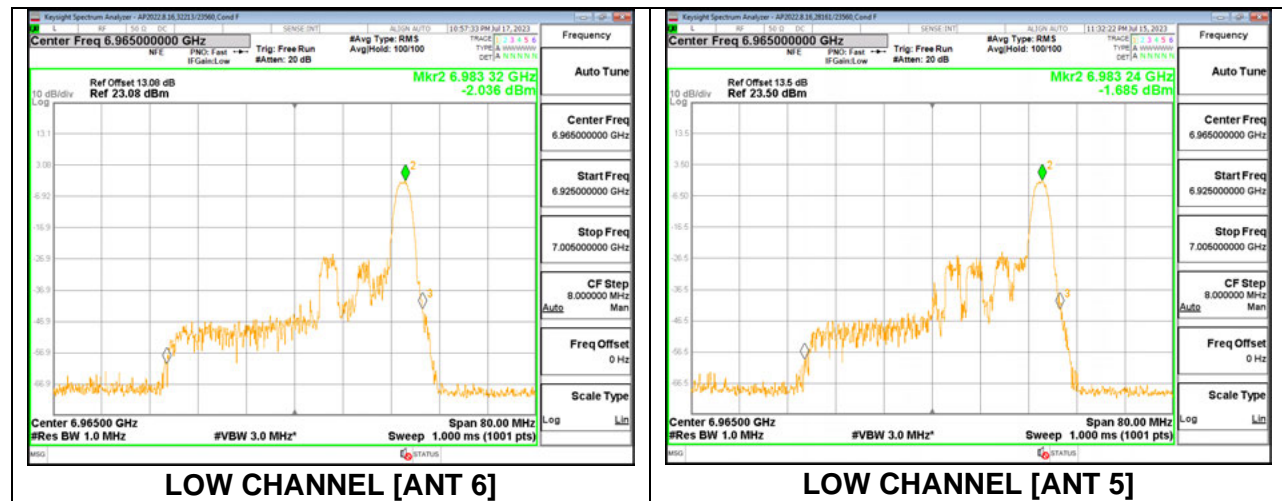
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-0.59	-0.51	-0.26	24.00	-24.26
Low	6965	1.17	1.16	-0.14	24.00	-24.14
High	7085	1.20	1.10	-0.16	24.00	-24.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-3.669	-3.298	-3.189	-1.00	-2.189
Low	6965	-2.036	-1.685	-3.164	-1.00	-2.164
High	7085	-1.808	-1.329	-2.869	-1.00	-1.869





**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-2.72	-2.72	24.00	-1.00
Low	6965	-4.32	-4.32	24.00	-1.00
High	7085	-4.32	-4.32	24.00	-1.00

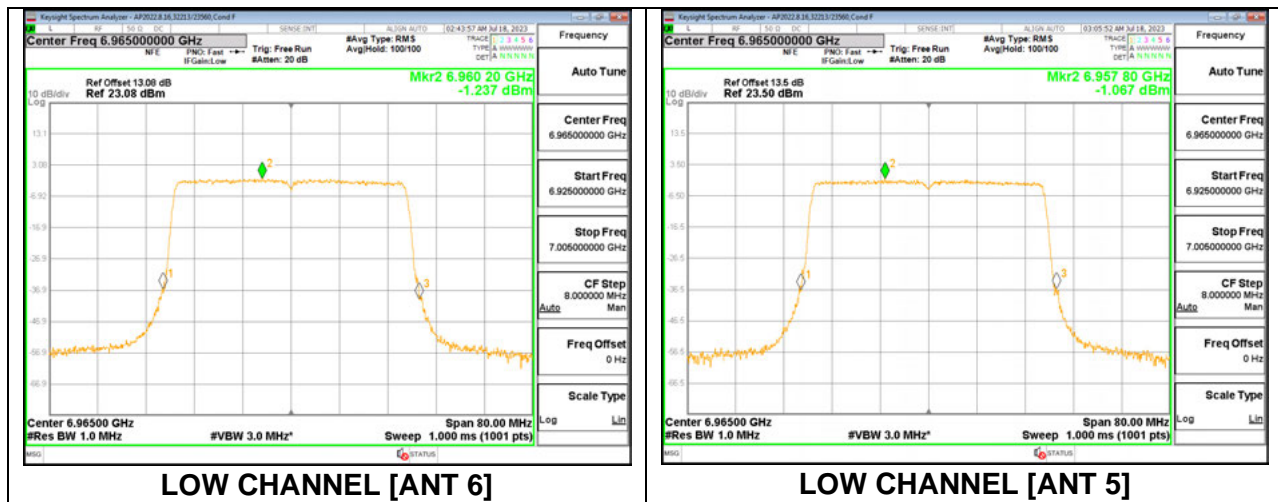
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	11.36	11.47	11.71	24.00	-12.29
Low	6965	13.15	13.23	11.88	24.00	-12.12
High	7085	13.22	13.08	11.84	24.00	-12.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Straddle	6885	-2.956	-3.023	-2.699	-1.00	-1.699
Low	6965	-1.237	-1.067	-2.458	-1.00	-1.458
High	7085	-1.304	-1.618	-2.765	-1.00	-1.765



**9.3.15. 802.11ax HE80 MODE IN THE UNII-8 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-2.5	24.00	-1.00
High	7025	-2.5	24.00	-1.00

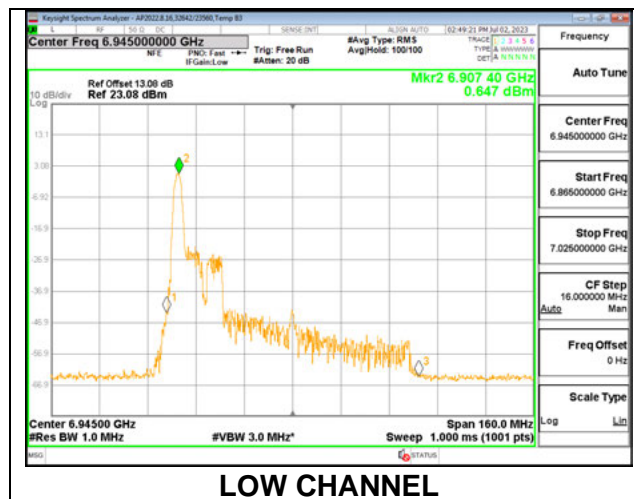
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.18	-0.32	24.00	-24.32
High	7025	2.23	-0.27	24.00	-24.27

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.647	-1.853	-1.00	-0.85
High	7025	0.422	-2.078	-1.00	-1.08



**1TX Antenna 6 MODE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-2.5	24.00	-1.00
High	7025	-2.5	24.00	-1.00

<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 EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.12	-0.38	24.00	-24.38
High	7025	2.18	-0.32	24.00	-24.32

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-0.474	-2.974	-1.00	-1.97
High	7025	-0.957	-3.457	-1.00	-2.46



**1TX Antenna 6 MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-2.5	24.00	-1.00
High	7025	-2.5	24.00	-1.00

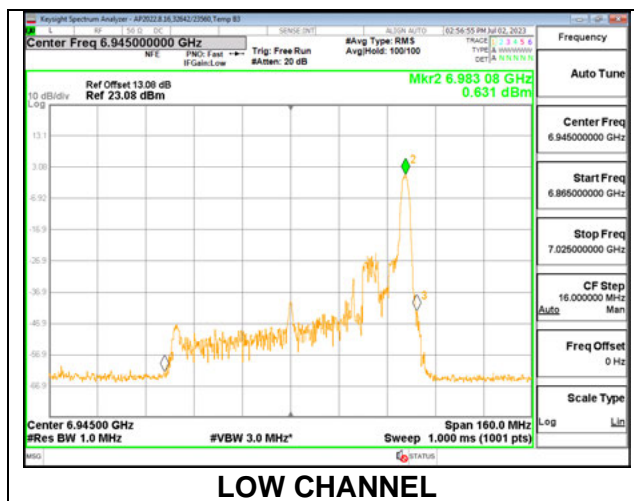
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.17	-0.33	24.00	-24.33
High	7025	2.21	-0.29	24.00	-24.29

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.631	-1.869	-1.00	-0.87
High	7025	0.621	-1.879	-1.00	-0.88



**1TX Antenna 6 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-2.5	24.00	-1.00
High	7025	-2.5	24.00	-1.00

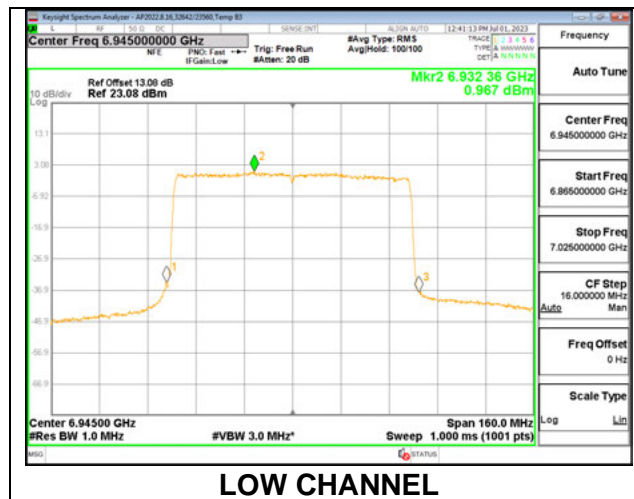
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	16.71	14.21	24.00	-9.79
High	7025	16.56	14.06	24.00	-9.94

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.967	-1.533	-1.00	-0.53
High	7025	0.543	-1.957	-1.00	-0.96



**LOW CHANNEL**

**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-7.5	24.00	-1.00
High	7025	-7.5	24.00	-1.00

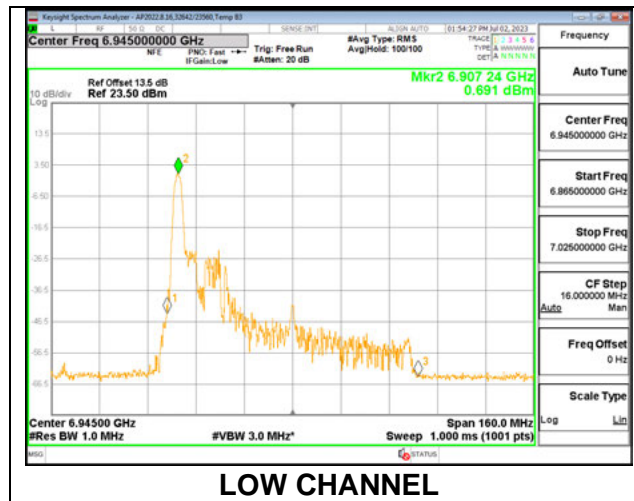
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.09	-5.41	24.00	-29.41
High	7025	2.16	-5.34	24.00	-29.34

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.691	-6.809	-1.00	-5.81
High	7025	0.919	-6.581	-1.00	-5.58



**1TX Antenna 5 MODE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-7.5	24.00	-1.00
High	7025	-7.5	24.00	-1.00

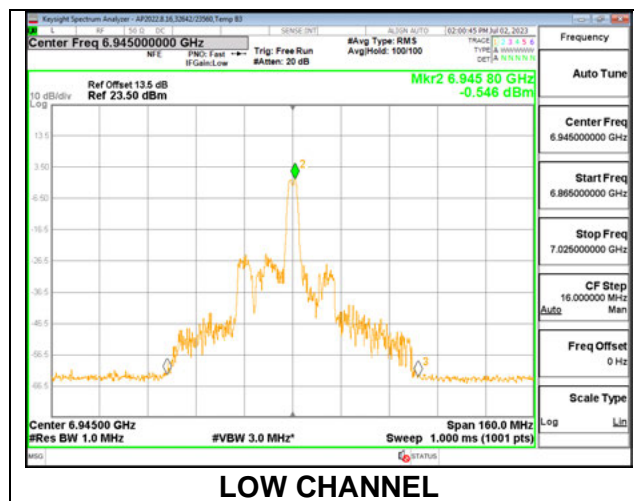
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.23	-5.27	24.00	-29.27
High	7025	2.14	-5.36	24.00	-29.36

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-0.546	-8.046	-1.00	-7.05
High	7025	-0.544	-8.044	-1.00	-7.04



**LOW CHANNEL**

**1TX Antenna 5 MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/02/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-7.5	24.00	-1.00
High	7025	-7.5	24.00	-1.00

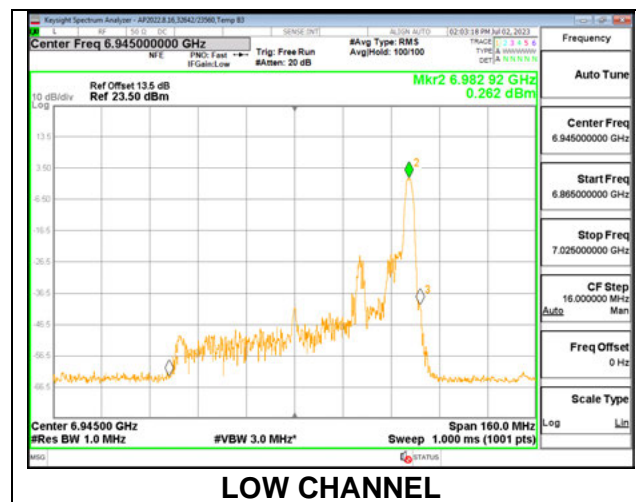
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	2.04	-5.46	24.00	-29.46
High	7025	2.14	-5.36	24.00	-29.36

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.262	-7.238	-1.00	-6.24
High	7025	0.504	-6.996	-1.00	-6.00





**1TX Antenna 5 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-7.5	24.00	-1.00
High	7025	-7.5	24.00	-1.00

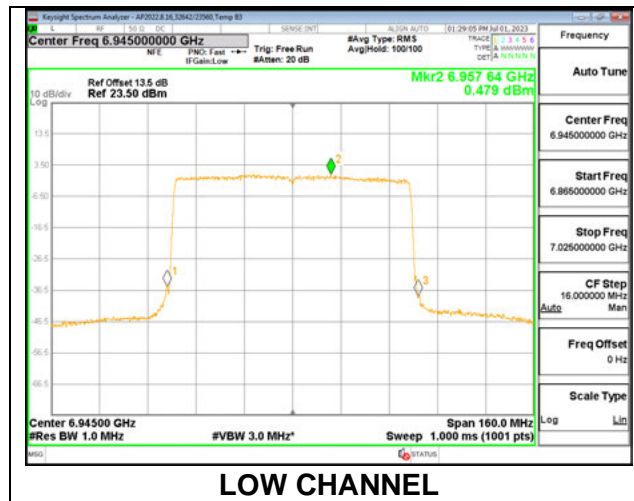
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	16.67	9.17	24.00	-14.83
High	7025	16.65	9.15	24.00	-14.85

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	0.479	-7.021	-1.00	-6.02
High	7025	0.273	-7.227	-1.00	-6.23



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-1.63	24.00	-1.00
High	7025	-4.32	-1.63	24.00	-1.00

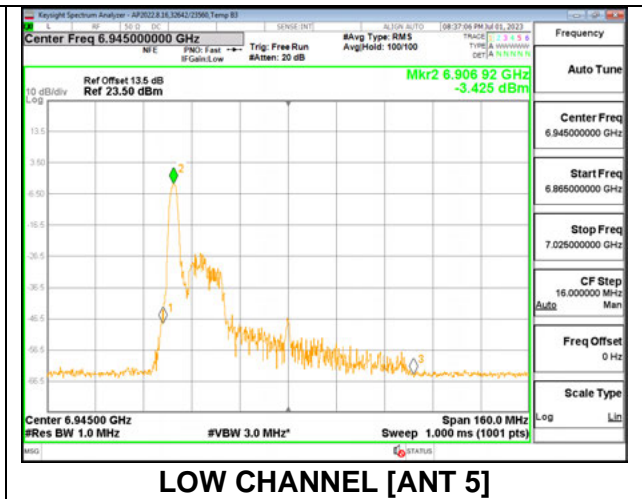
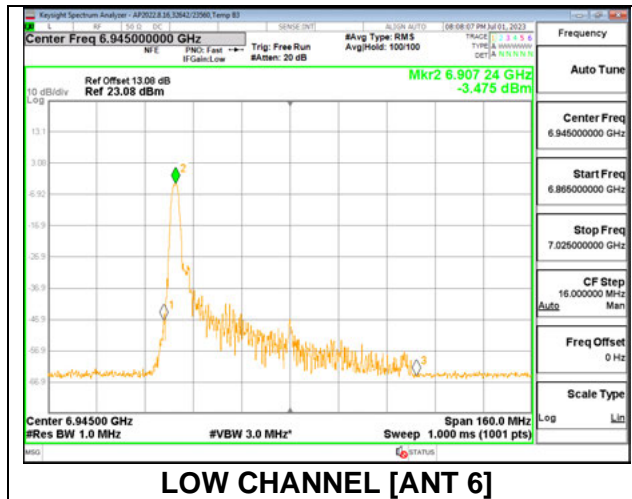
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.65	-1.58	-2.92	24.00	-26.92
High	7025	-1.64	-1.53	-2.89	24.00	-26.89

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-3.475	-3.425	-2.074	-1.00	-1.074
High	7025	-3.266	-3.017	-1.764	-1.00	-0.764



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-1.63	24.00	-1.00
High	7025	-4.32	-1.63	24.00	-1.00

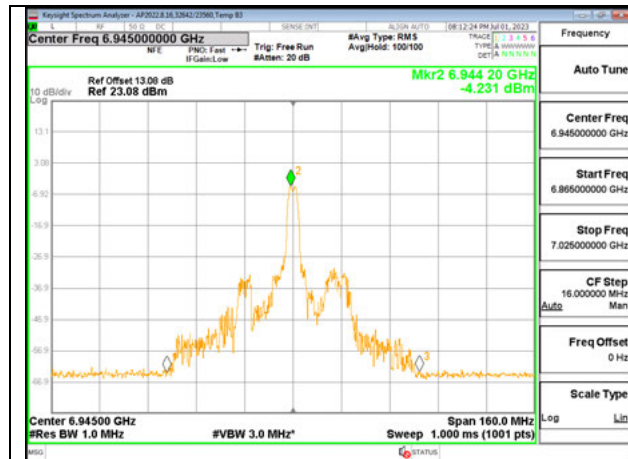
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

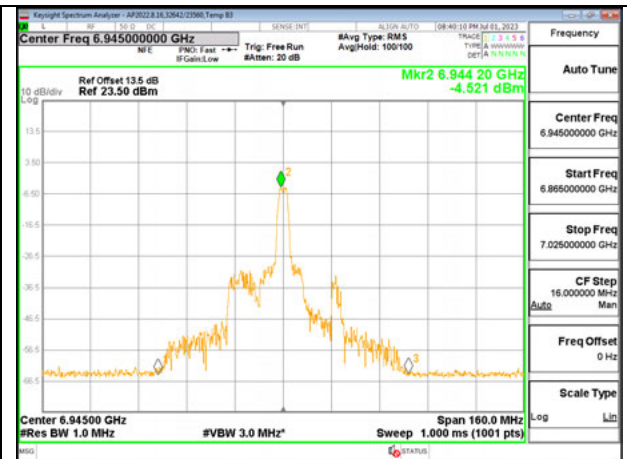
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.54	-1.56	-2.86	24.00	-26.86
High	7025	-1.63	-1.60	-2.92	24.00	-26.92

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-4.231	-4.521	-2.998	-1.00	-1.998
High	7025	-4.524	-4.852	-3.309	-1.00	-2.309



**LOW CHANNEL [ANT 6]**



**LOW CHANNEL [ANT 5]**

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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-1.63	24.00	-1.00
High	7025	-4.32	-1.63	24.00	-1.00

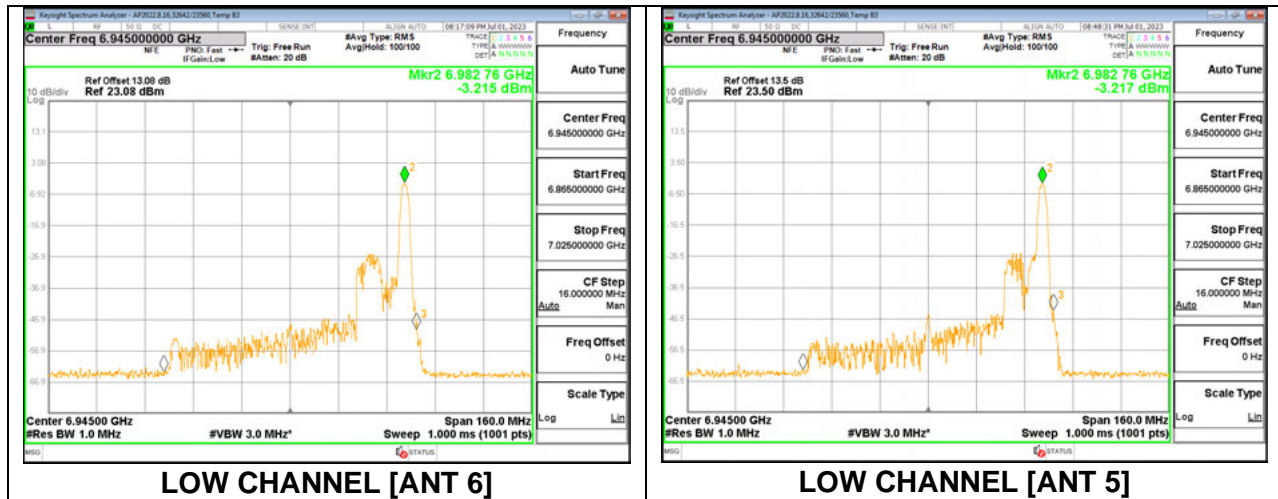
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.59	-1.63	-2.92	24.00	-26.92
High	7025	-1.60	-1.53	-2.87	24.00	-26.87

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-3.215	-3.217	-1.840	-1.00	-0.840
High	7025	-3.496	-3.567	-2.156	-1.00	-1.156



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-1.63	24.00	-1.00
High	7025	-4.32	-1.63	24.00	-1.00

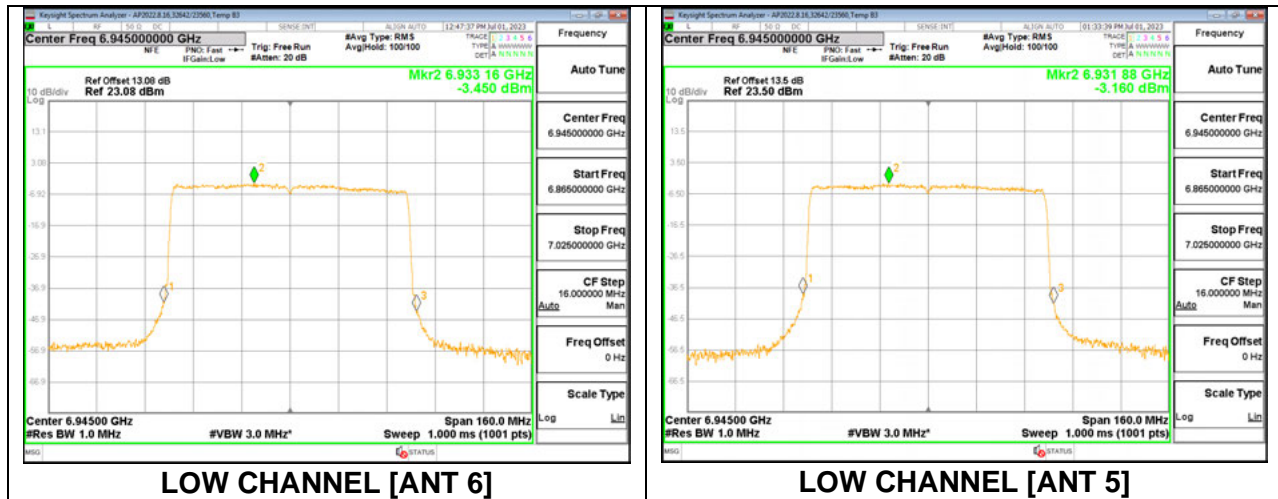
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	12.83	12.92	11.57	24.00	-12.43
High	7025	12.82	12.95	11.58	24.00	-12.42

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-3.450	-3.160	-1.927	-1.00	-0.927
High	7025	-3.757	-3.274	-2.133	-1.00	-1.133



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32213/23560, 28161/23560
<b>Test Date:</b>	07/17/2023, 07/16/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-4.32	24.00	-1.00
High	7025	-4.32	-4.32	24.00	-1.00

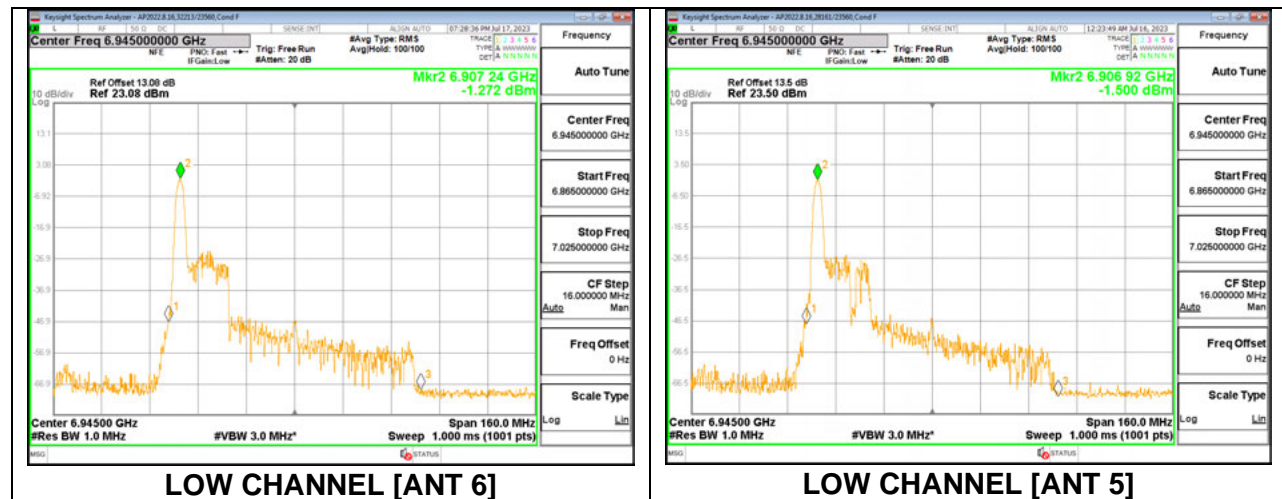
<b>Duty Cycle CF (dB)</b>	0.09	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	1.23	1.17	-0.11	24.00	-24.11
High	7025	1.19	1.10	-0.16	24.00	-24.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-1.272	-1.500	-2.601	-1.00	-1.601
High	7025	-1.021	-1.334	-2.391	-1.00	-1.391



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 18**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/10/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-4.32	24.00	-1.00
High	7025	-4.32	-4.32	24.00	-1.00

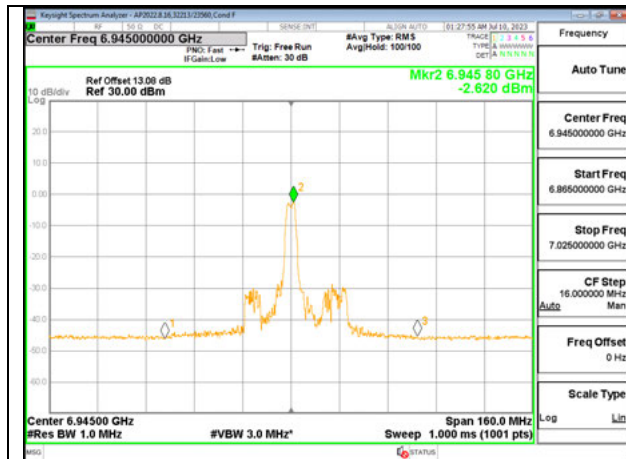
<b>Duty Cycle CF (dB)</b>	0.09	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

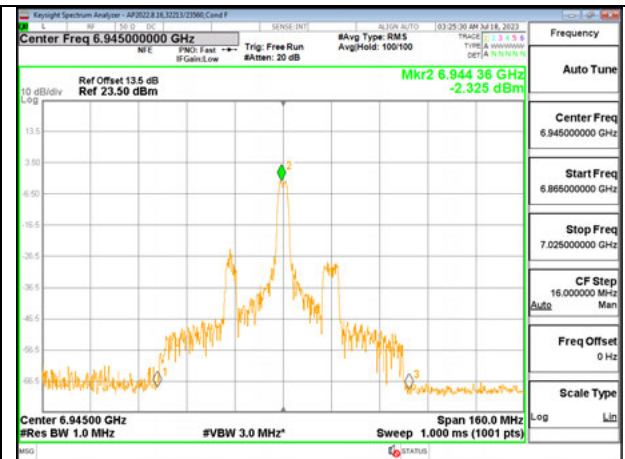
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	1.13	1.21	-0.14	24.00	-24.14
High	7025	1.16	1.23	-0.11	24.00	-24.11

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm)	Antenna 5 Meas PSD (dBm)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-2.620	-2.325	-3.687	-1.00	-2.687
High	7025	-2.326	-2.181	-3.470	-1.00	-2.470



**LOW CHANNEL [ANT 6]**



**LOW CHANNEL [ANT 5]**

**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32213/23560, 19232
<b>Test Date:</b>	07/17/2023, 07/23/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-4.32	24.00	-1.00
High	7025	-4.32	-4.32	24.00	-1.00

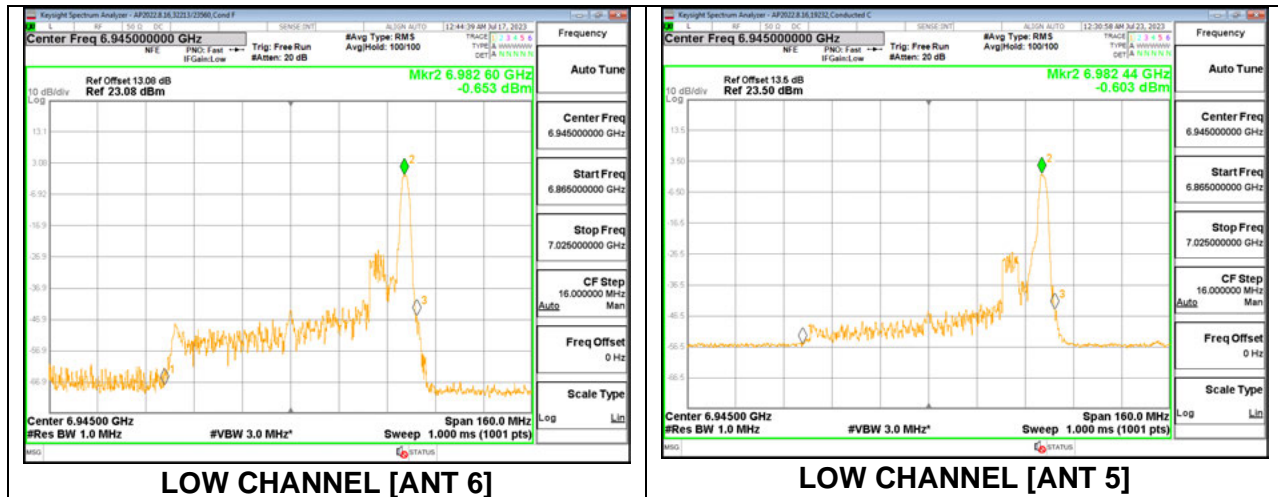
<b>Duty Cycle CF (dB)</b>	0.09	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	1.21	1.17	-0.12	24.00	-24.12
High	7025	1.22	1.18	-0.11	24.00	-24.11

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm)	Antenna 5 Meas PSD (dBm)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-0.653	-0.603	-1.845	-1.00	-0.845
High	7025	-1.135	-1.135	-2.352	-1.00	-1.352





**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.32	-4.32	24.00	-1.00
High	7025	-4.32	-4.32	24.00	-1.00

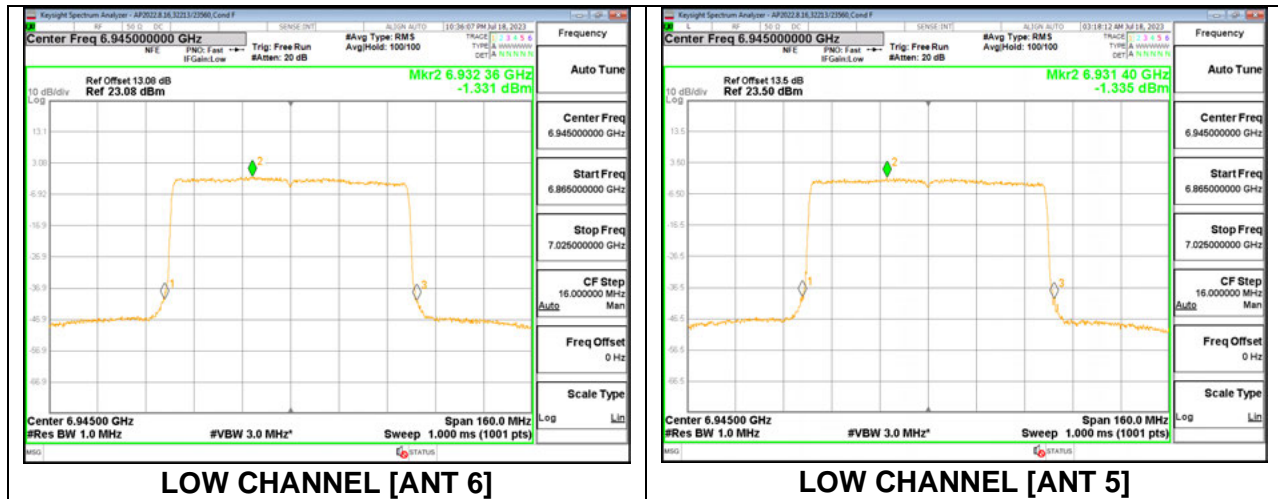
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	15.67	15.61	14.33	24.00	-9.67
High	7025	15.70	15.53	14.31	24.00	-9.69

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	6945	-1.331	-1.335	-2.540	-1.00	-1.540
High	7025	-1.507	-1.700	-2.809	-1.00	-1.809



**9.3.16. 802.11ax HE160 MODE IN THE UNII-8 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-2.5	24.00	-1.00

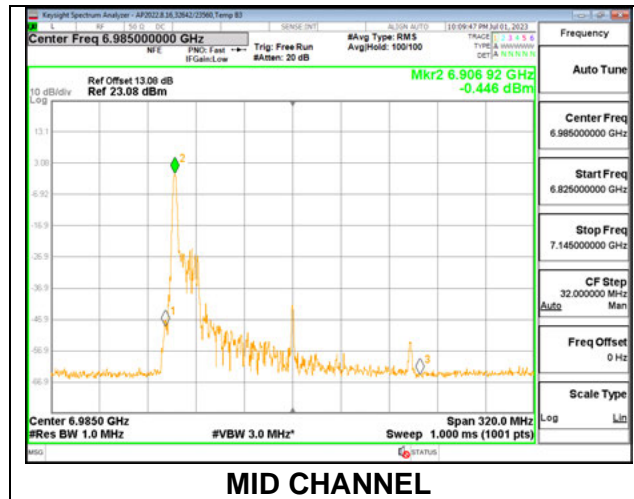
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	EIRP Power Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.41	-1.09	24.00	-25.09

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-0.446	-2.946	-1.00	-1.95



**1TX Antenna 6 MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	19232
<b>Test Date:</b>	07/10/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-2.5	24.00	-1.00

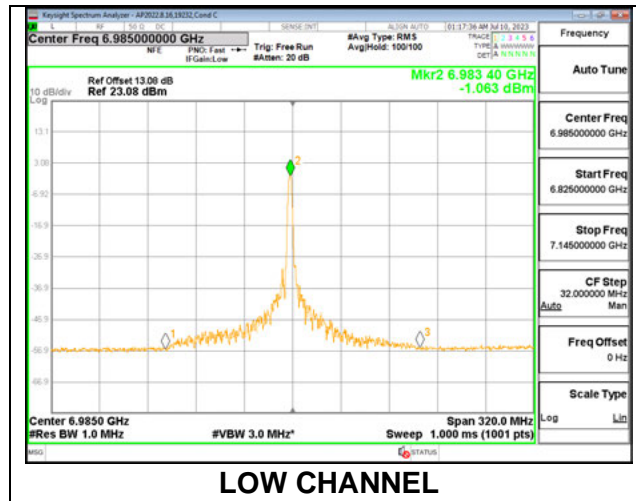
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.32	-1.18	24.00	-25.18

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-1.063	-3.563	-1.00	-2.56



**1TX Antenna 6 MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32181/23560
<b>Test Date:</b>	07/24/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-2.5	24.00	-1.00

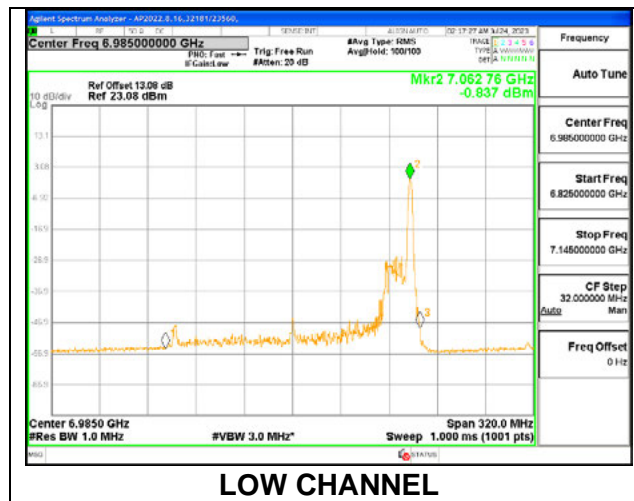
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.29	-1.21	24.00	-25.21

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-0.837	-3.337	-1.00	-2.34



**1TX Antenna 6 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-2.5	24.00	-1.00

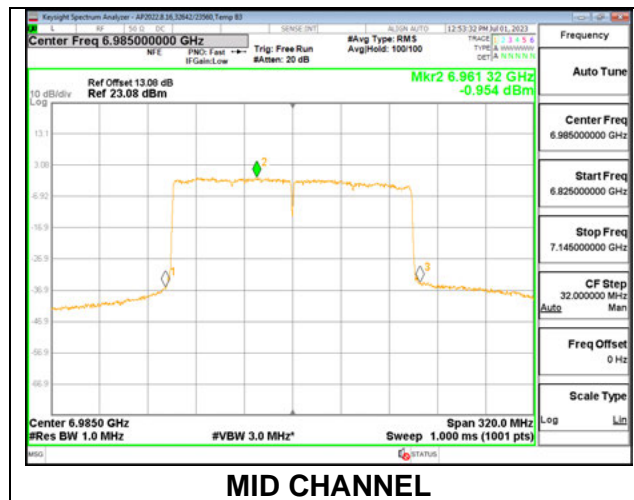
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	18.32	15.82	24.00	-8.18

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-0.954	-3.354	-1.00	-2.35



**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-7.5	24.00	-1.00

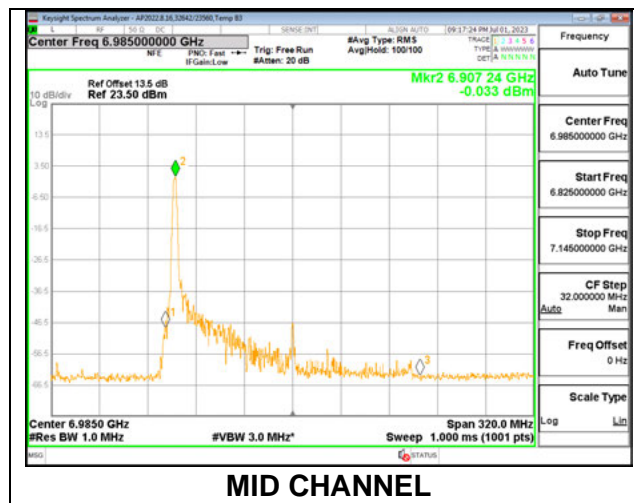
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.49	-6.01	24.00	-30.01

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-0.033	-7.533	-1.00	-6.53



**1TX Antenna 5 MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-7.5	24.00	-1.00

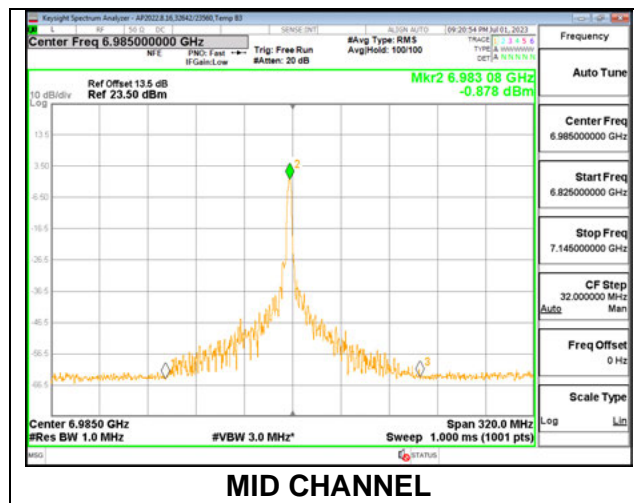
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.31	-6.19	24.00	-30.19

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-0.878	-8.378	-1.00	-7.38



**1TX Antenna 5 MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32181/23560
<b>Test Date:</b>	07/24/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-7.5	24.00	-1.00

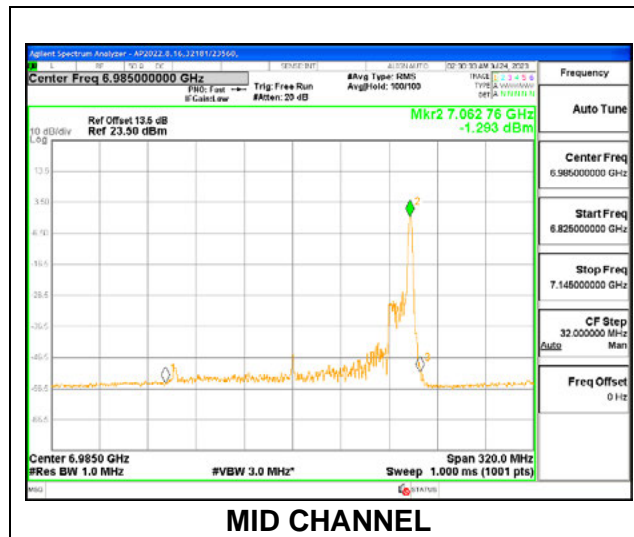
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	1.46	-6.04	24.00	-30.04

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-1.293	-8.793	-1.00	-7.79





**1TX Antenna 5 MODE – SU Mode**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-7.5	24.00	-1.00

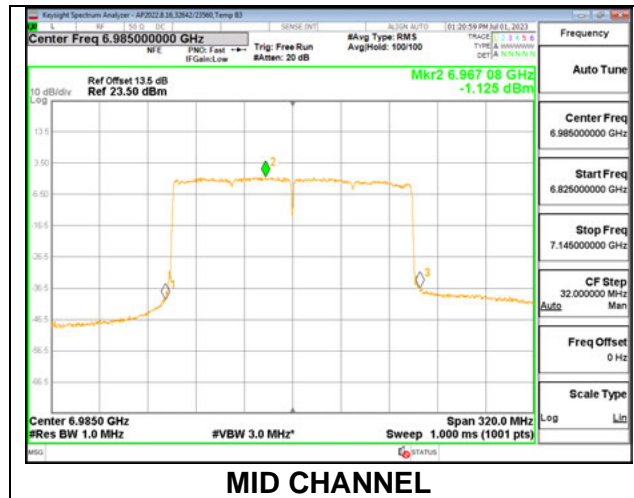
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	18.34	10.84	24.00	-13.16

**PSD Results**

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	6985	-1.125	-8.525	-1.00	-7.53



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-1.63	24.00	-1.00

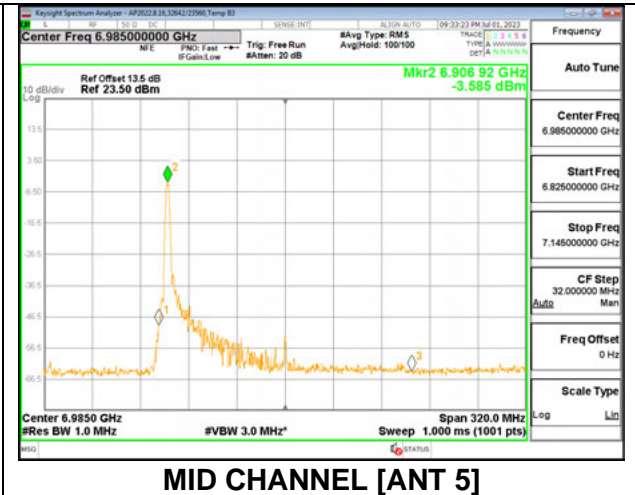
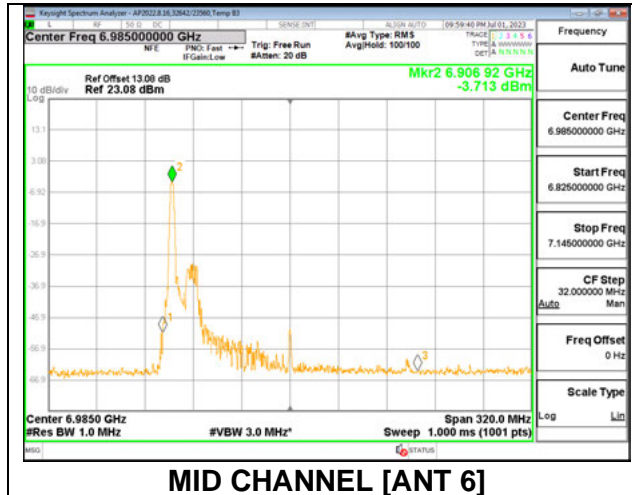
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	-1.58	-1.56	-2.88	24.00	-26.88

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-3.713	-3.585	-2.273	-1.00	-1.273



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-1.63	24.00	-1.00

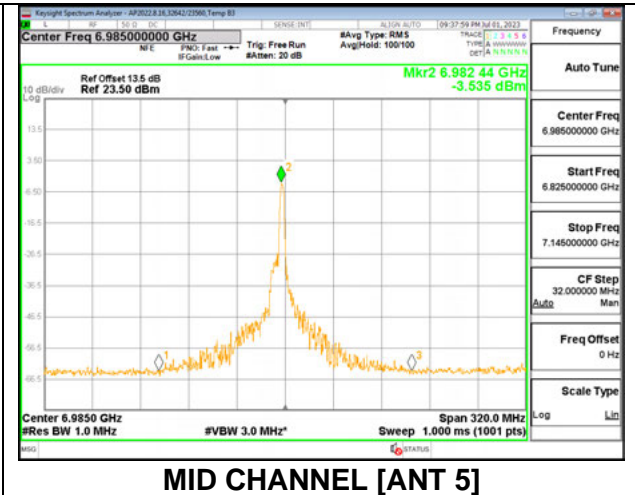
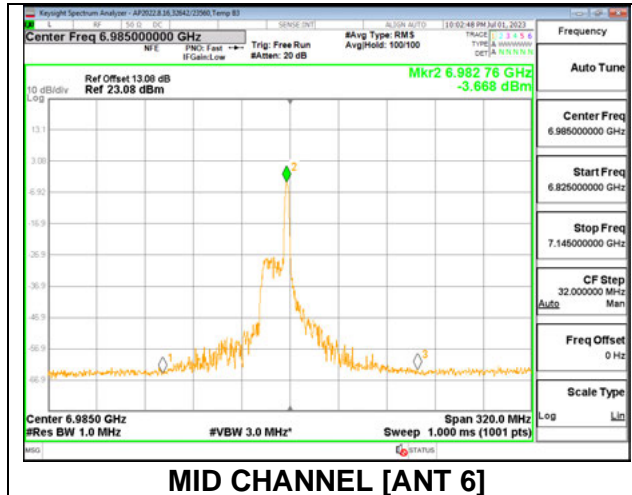
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	-1.55	-1.63	-2.90	24.00	-26.90

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-3.668	-3.535	-2.225	-1.00	-1.225



**2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, S36**

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/03/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-1.63	24.00	-1.00

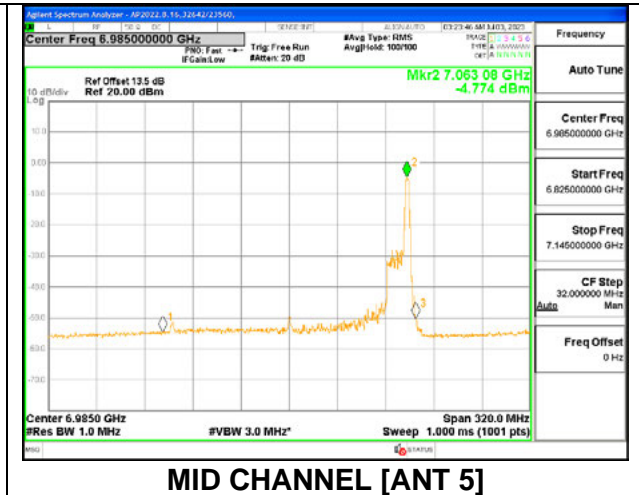
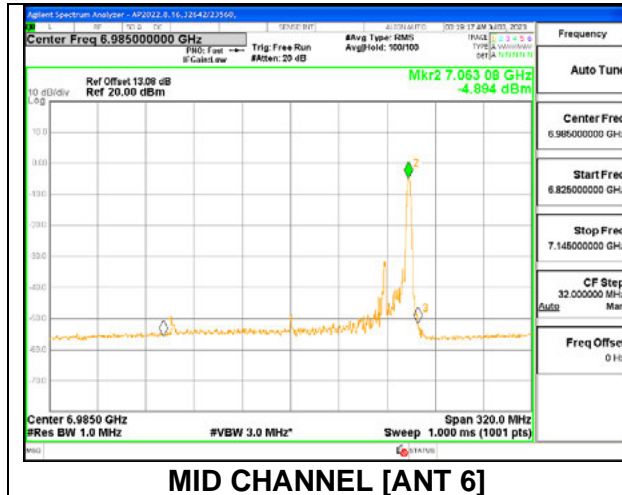
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	-1.53	-1.63	-2.89	24.00	-26.89

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-4.894	-4.774	-3.458	-1.00	-2.458



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

<b>Test Engineer:</b>	32642/23560
<b>Test Date:</b>	07/01/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-1.63	24.00	-1.00

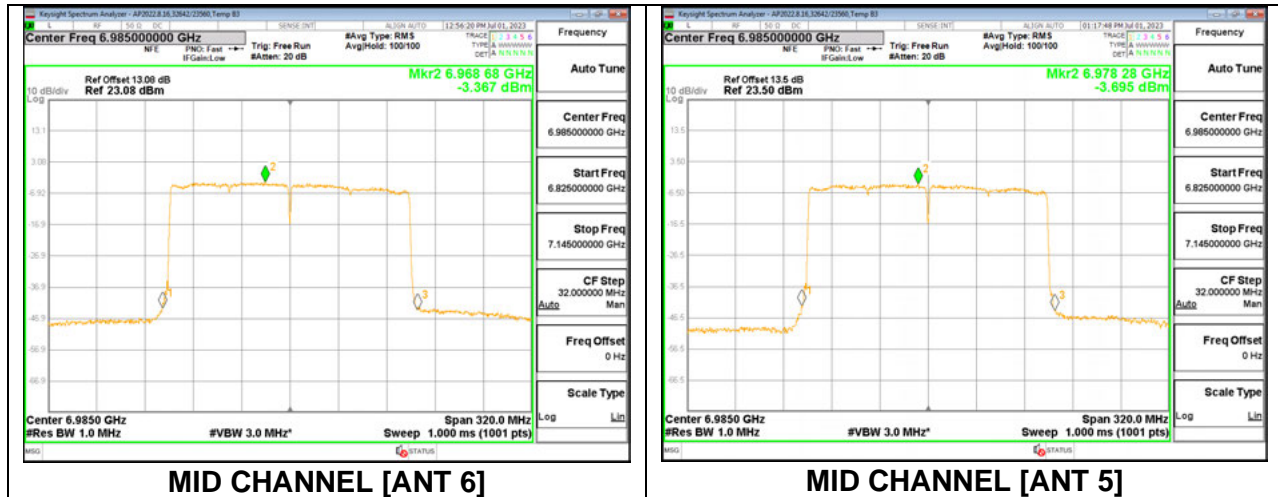
<b>Duty Cycle CF (dB)</b>	0.10	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	15.88	15.98	14.62	24.00	-9.38

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-3.367	-3.695	-2.052	-1.00	-1.052



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/10/2023, 07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-4.32	24.00	-1.00

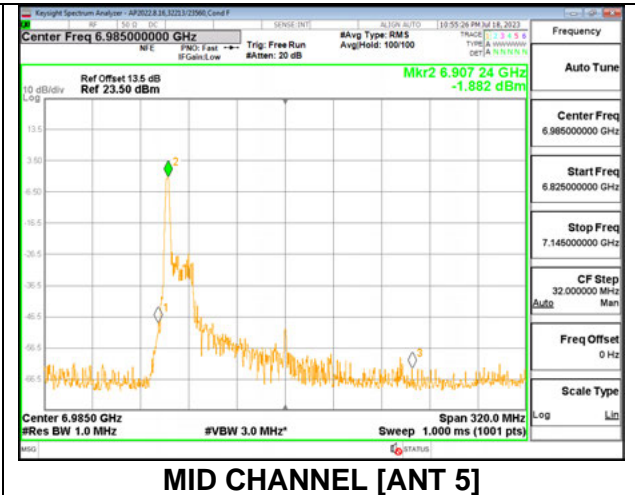
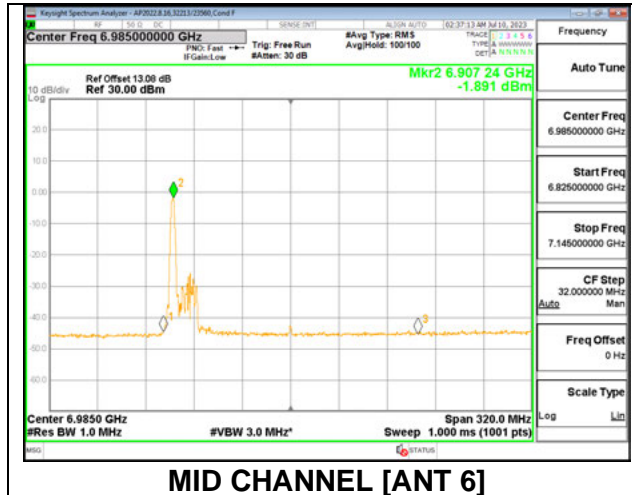
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	1.23	1.20	-0.09	24.00	-24.09

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-1.891	-1.882	-3.193	-1.00	-2.193



**2TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index 36**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/10/2023, 07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-4.32	24.00	-1.00

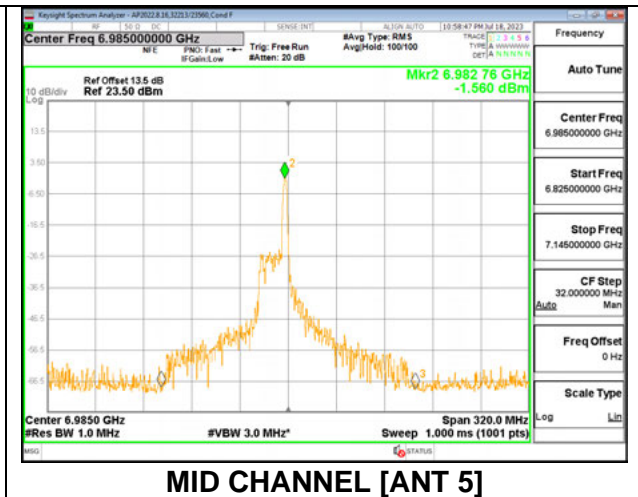
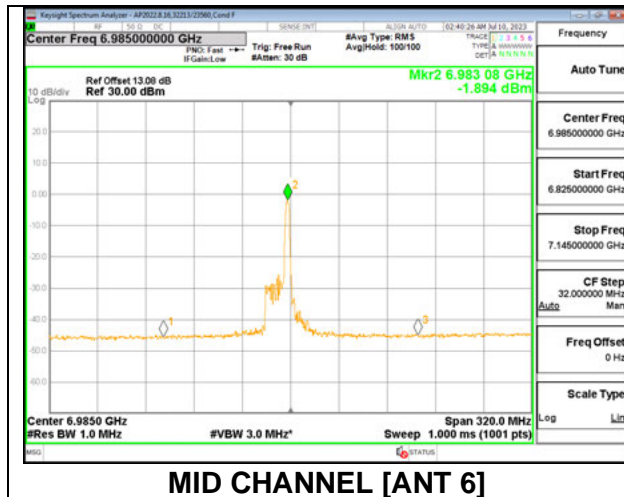
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	1.17	1.20	-0.12	24.00	-24.12

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-1.894	-1.560	-3.030	-1.00	-2.030



**TX Antenna 6 + Antenna 5 SDM MODE – 26 Tones, RU Index S36**

<b>Test Engineer:</b>	32181/23560
<b>Test Date:</b>	07/23/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-4.32	24.00	-1.00

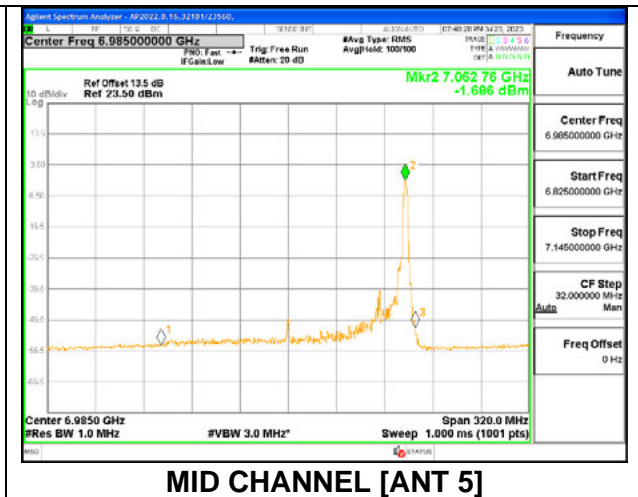
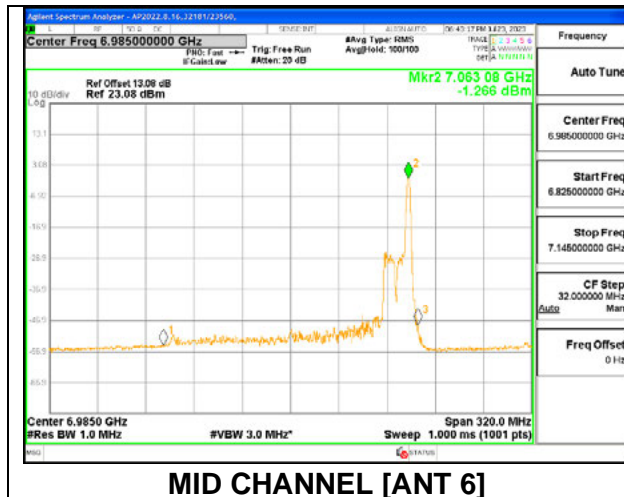
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	1.20	1.16	-0.13	24.00	-24.13

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-1.266	-1.686	-2.778	-1.00	-1.778





**2TX Antenna 6 + Antenna 5 SDM MODE – SU Mode**

<b>Test Engineer:</b>	32213/23560
<b>Test Date:</b>	07/18/2023

**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
MID	6985	-4.32	-4.32	24.00	-1.00

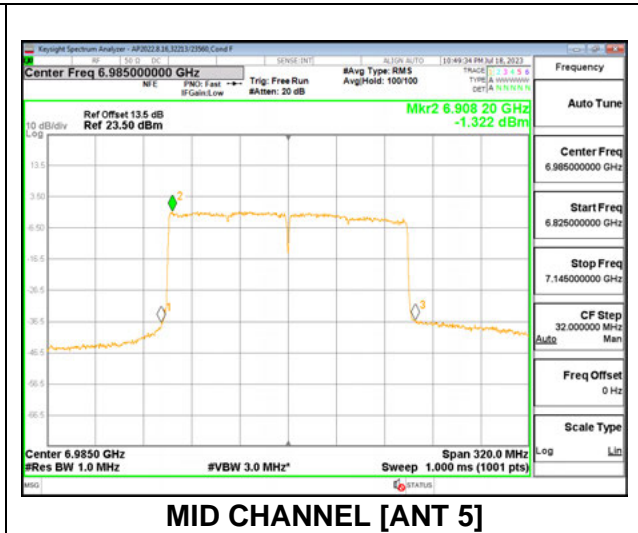
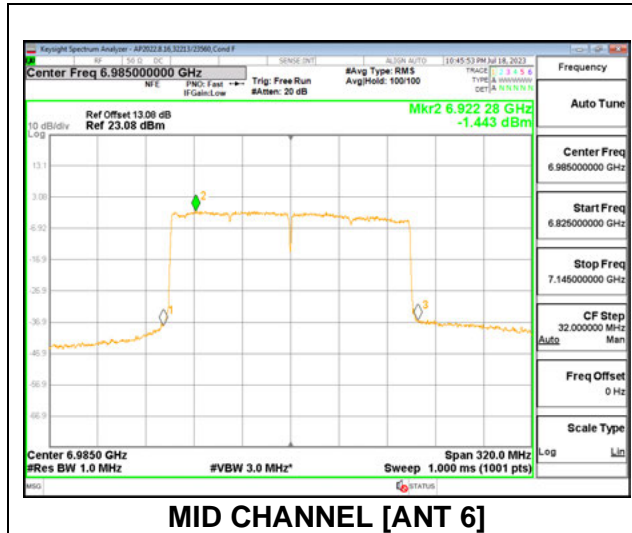
<b>Duty Cycle CF (dB)</b>	0.18	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
MID	6985	18.33	18.41	17.06	24.00	-6.94

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
MID	6985	-1.443	-1.322	-2.509	-1.00	-1.509



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## 9.4. SP OUTPUT POWER AND PSD

### LIMITS

#### FCC §15.407

Band 5.925-7.125 GHz

(7)For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

### TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.2.d (Method SA-2) was used.

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

### DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. For the straddle channels, the higher antenna gains were chosen between two bands where straddle channels are located. The directional gains are as follows:

Antenna Gain					
Frequency Range	Sub-band	Antenna 6	Antenna 5	Uncorrelated Chains	Correlated Chains
(MHz)	(MHz)	Gain (dBi)	Gain (dBi)	Directional Gain (dBi)	Directional Gain (dBi)
5925 - 6425 UNII-5	Sub-band 1 (5955 - 6095)	-3.10	-4.70	-3.83	-0.85
	Sub-band 2 (6115 - 6255)	-1.50	-4.20	-2.64	0.26
	Sub-band 3 (6275 - 6415)	-2.40	-4.40	-3.29	-0.33
6425 - 6525 UNII-6	N/A	-1.80	-4.70	-3.01	-0.12
UNII-6/7 (Straddle Channel)	N/A	-0.90	-4.70	-2.40	0.42
6525 - 6875 UNII-7	N/A	-0.90	-5.90	-2.72	-0.03
UNII-7/8 (Straddle Channel)	N/A	-0.90	-5.90	-2.72	-0.03
6875 - 7125 UNII-8	N/A	-2.50	-7.50	-4.32	-1.63

**DIRECTIONAL GAIN CALCULATION:**

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \text{LOG}((10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)})/2)$ Correlated directional Gain= $10 \cdot \text{LOG}(((10^{(\text{Ant6}/20)} + 10^{(\text{Ant5}/20)})^2)/2)$ 

Sample Calculation at 5.2GHz Band:

Ant6=-3.10, Ant5=-4.70

Uncorrelated Antenna gain= $10 \log[(10^{(-3.10/10)} + 10^{(-4.70/10)})/2] = -3.83 \text{ dBi}$ Correlated Antenna gain= $10 \log[(10^{(-3.10/20)} + 10^{(-4.70/20)})^2/2] = -0.85 \text{ dBi}$

**EIRP Calculation:****1Tx**

EIRP corr'd power = Ant6 + Antenna Gain

Sample Calculation at UNII-5 Band:

Ant6(low channel RU 0) Power=11.44 dBm

EIRP corr'd power = 11.44 + (-3.10) = 8.34dBm

**2Tx**

EIRP corr'd power =  $10 \cdot \text{LOG}(10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)})$  + uncorrelated directional gain

Sample Calculation at UNII-5 Band:

Ant6(low channel RU 0) Power= 11.33 dBm, Ant5 Power= 11.48

EIRP corr'd power =  $10 \cdot \text{LOG}(10^{(11.33/10)} + 10^{(11.48/10)})$  + (-3.83) = 10.59 dBm

**EIRP PSD Calculation:****1Tx**

EIRP corr'd PSD = DCCF + Ant6 + Antenna Gain

Sample Calculation at UNII-5 Band:

Ant6 PSD= 9.304 dBm/1MHz

EIRP corr'd PSD = 0 + 9.304 + (-3.10) = 6.204 dBm/1MHz

**2Tx**

EIRP corr'd PSD =  $(10 \cdot \text{LOG}(10^{((\text{DCCF} + \text{Ant6})/10)} + 10^{((\text{DCCF} + \text{Ant5})/10)}))$  + correlated directional gain

Sample Calculation at UNII-5 Band:

Ant6 PSD= 9.041 dBm/1MHz, Ant5 PSD= 9.424 dBm/1MHz

EIRP corr'd PSD =  $(10 \cdot \text{LOG}(10^{((0 + (9.041)) / 10)} + 10^{((0 + (9.424)) / 10)}))$  + (-0.85) = 11.394 dBm/1MHz

**RESULTS**

**9.4.1. 802.11ax HE20 MODE IN THE UNII-5 BAND**

**1TX Antenna 6 MODE – 26 Tones, RU Index 0**

<b>Test Engineer:</b>	32480
<b>Test Date:</b>	06/07/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-3.1	30.00	17.00
Mid	6175	-1.5	30.00	17.00
High	6415	-2.4	30.00	17.00

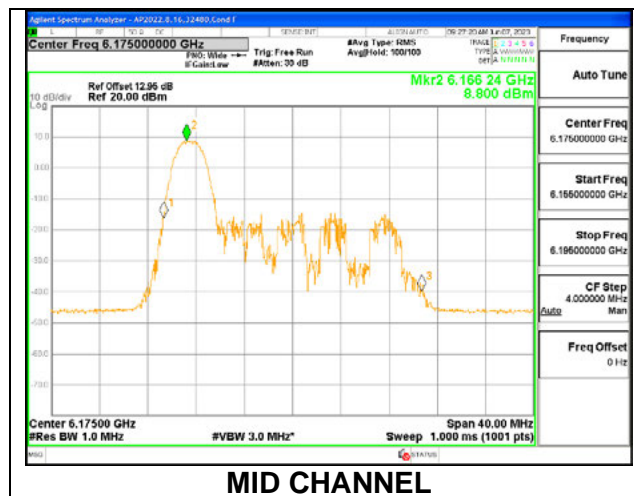
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.44	8.34	30.00	-21.66
Mid	6175	11.38	9.88	30.00	-20.12
High	6415	11.45	9.05	30.00	-20.95

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5955	9.304	6.204	17.00	-10.796
Mid	6175	8.800	7.300	17.00	-9.700
High	6415	8.982	6.582	17.00	-10.418



**1TX Antenna 6 MODE – 26 Tones, RU Index 4**

<b>Test Engineer:</b>	32480
<b>Test Date:</b>	06/07/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-3.1	30.00	17.00
Mid	6175	-1.5	30.00	17.00
High	6415	-2.4	30.00	17.00

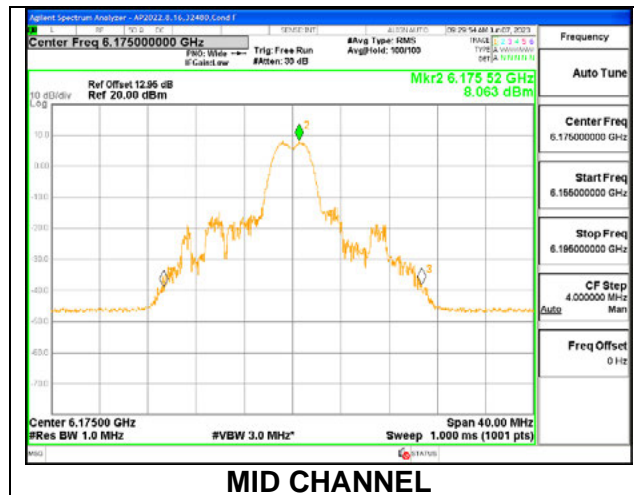
<b>Duty Cycle CF (dB)</b>	0.00	<b>Included in Calculations of Corr'd PSD</b>
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**Output Power Results**

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.40	8.30	30.00	-21.70
Mid	6175	11.49	9.99	30.00	-20.01
High	6415	11.40	9.00	30.00	-21.00

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5955	8.080	4.980	17.00	-12.020
Mid	6175	8.063	6.563	17.00	-10.437
High	6415	7.827	5.427	17.00	-11.573



**1TX Antenna 6 MODE – 26 Tones, RU Index 8**

<b>Test Engineer:</b>	23480
<b>Test Date:</b>	06/07/2023

**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-3.1	30.00	17.00
Mid	6175	-1.5	30.00	17.00
High	6415	-2.4	30.00	17.00

<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 EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.48	8.38	30.00	-21.62
Mid	6175	11.38	9.88	30.00	-20.12
High	6415	11.49	9.09	30.00	-20.91

**PSD Results**

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total EIRP Corr'd PSD (dBm/1MHz)	EIRP PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5955	8.968	5.868	17.00	-11.132
Mid	6175	8.496	6.996	17.00	-10.004
High	6415	8.964	6.564	17.00	-10.436

