

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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6895	-0.68	-0.68	24.00	-1.00
Mid	6995	-0.68	-0.68	24.00	-1.00
High	7095	-0.68	-0.68	24.00	-1.00

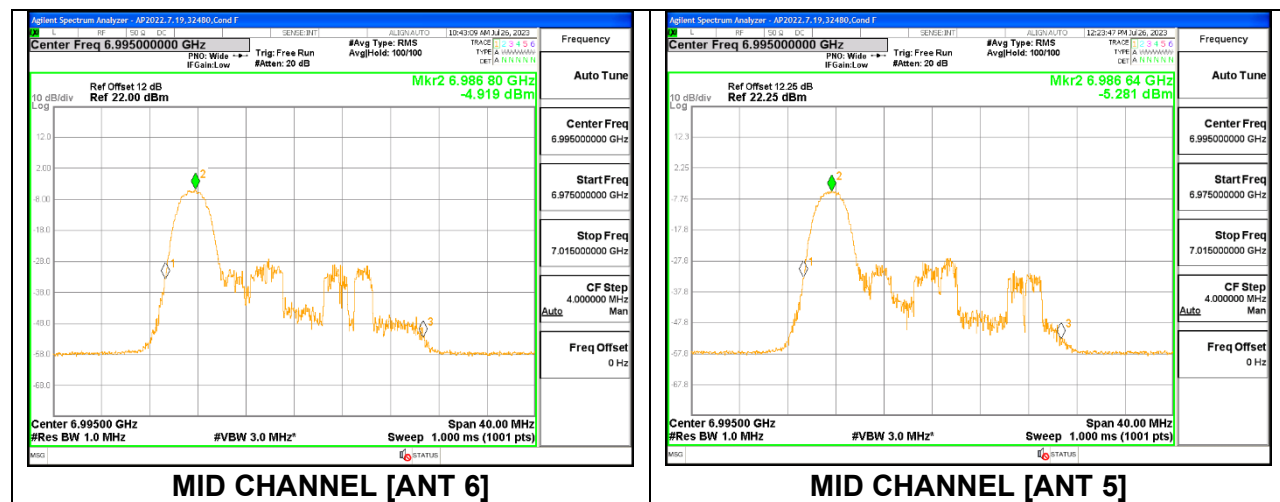
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-2.58	-2.63	-0.27	24.00	-24.27
Mid	6995	-2.54	-2.53	-0.20	24.00	-24.20
High	7095	-2.53	-2.55	-0.21	24.00	-24.21

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	-4.937	-5.107	-2.687	-1.00	-1.687
Mid	6995	-4.919	-5.281	-2.762	-1.00	-1.762
High	7095	-5.081	-4.990	-2.701	-1.00	-1.701



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6895	-0.68	-0.68	24.00	-1.00
Mid	6995	-0.68	-0.68	24.00	-1.00
High	7095	-0.68	-0.68	24.00	-1.00

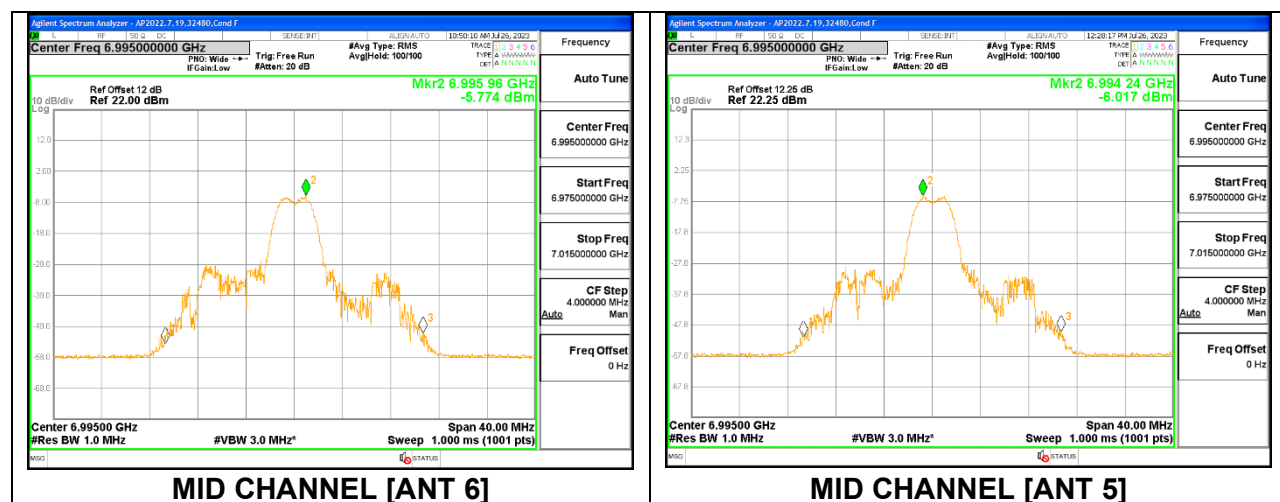
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-2.52	-2.65	-0.25	24.00	-24.25
Mid	6995	-2.61	-2.56	-0.25	24.00	-24.25
High	7095	-2.58	-2.59	-0.25	24.00	-24.25

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	-5.870	-6.057	-3.629	-1.00	-2.629
Mid	6995	-5.774	-6.017	-3.560	-1.00	-2.560
High	7095	-5.849	-5.723	-3.452	-1.00	-2.452



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6895	-0.68	-0.68	24.00	-1.00
Mid	6995	-0.68	-0.68	24.00	-1.00
High	7095	-0.68	-0.68	24.00	-1.00

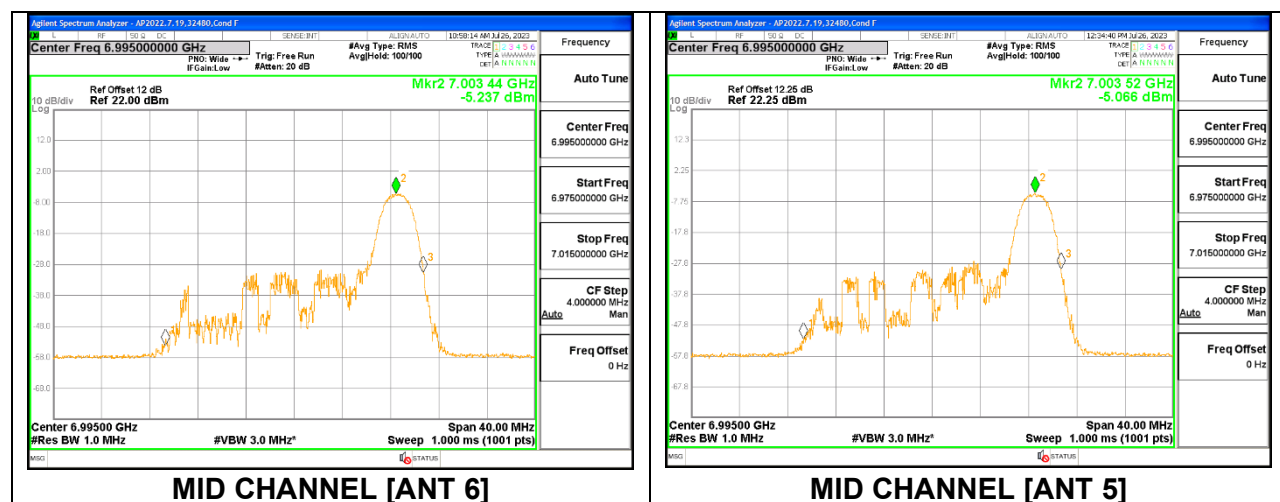
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	-2.65	-2.53	-0.26	24.00	-24.26
Mid	6995	-2.55	-2.54	-0.21	24.00	-24.21
High	7095	-2.75	-2.69	-0.39	24.00	-24.39

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	-5.192	-5.132	-2.828	-1.00	-1.828
Mid	6995	-5.237	-5.066	-2.817	-1.00	-1.817
High	7095	-5.173	-5.198	-2.852	-1.00	-1.852



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6895	-0.68	-0.68	24.00	-1.00
Mid	6995	-0.68	-0.68	24.00	-1.00
High	7095	-0.68	-0.68	24.00	-1.00
233	7115	-0.68	-0.68	24.00	-1.00

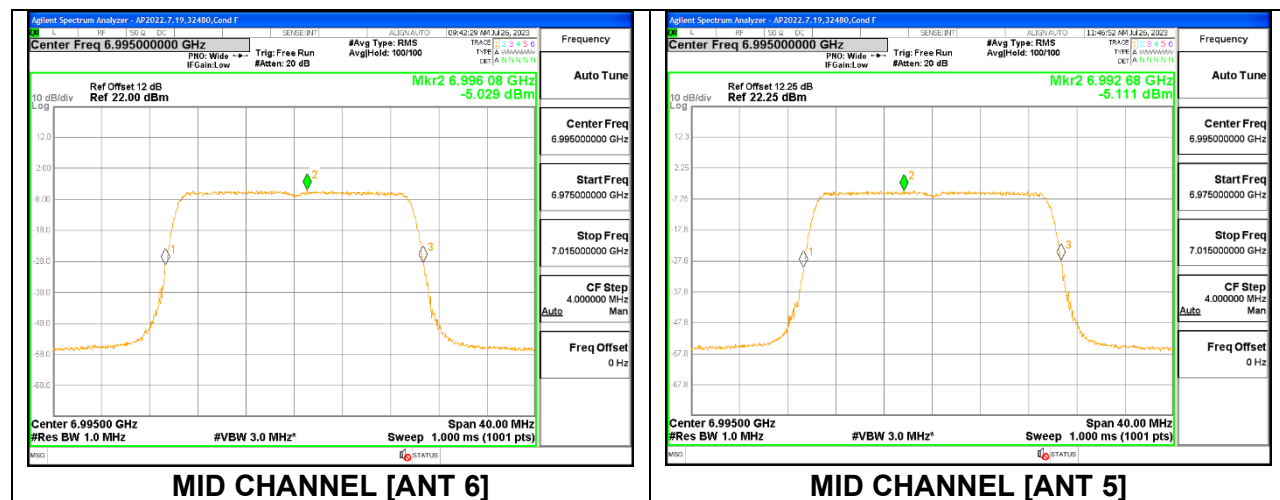
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6895	6.44	6.46	8.78	24.00	-15.22
Mid	6995	6.42	6.42	8.75	24.00	-15.25
High	7095	6.45	6.43	8.77	24.00	-15.23
233	7115	-5.57	-5.57	-3.24	24.00	-27.24

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	-4.906	-5.096	-2.666	-1.00	-1.666
Mid	6995	-5.029	-5.111	-2.736	-1.00	-1.736
High	7095	-5.025	-5.059	-2.708	-1.00	-1.708
233	7115	-17.246	17.224	16.549	-1.00	17.549



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

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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	1.40	24.00	-1.00
Mid	6965	1.40	24.00	-1.00
High	7085	1.40	24.00	-1.00

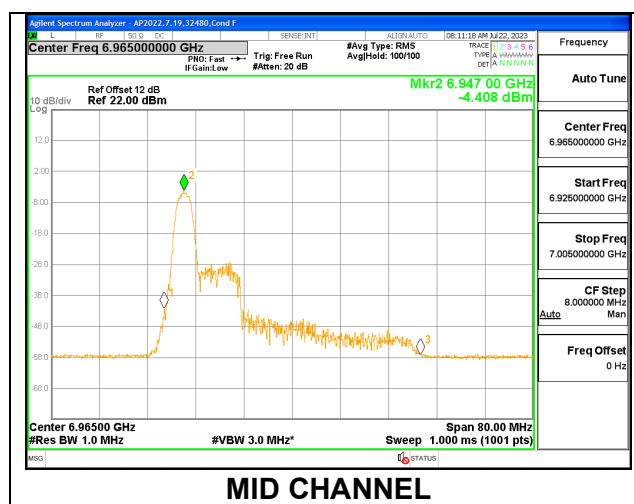
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.57	-0.17	24.00	-24.17
Mid	6965	-1.52	-0.12	24.00	-24.12
High	7085	-1.57	-0.17	24.00	-24.17

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	-4.790	-3.390	-1.00	-2.390
Mid	6965	-4.408	-3.008	-1.00	-2.008
High	7085	-4.346	-2.946	-1.00	-1.946



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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	1.40	24.00	-1.00
Mid	6965	1.40	24.00	-1.00
High	7085	1.40	24.00	-1.00

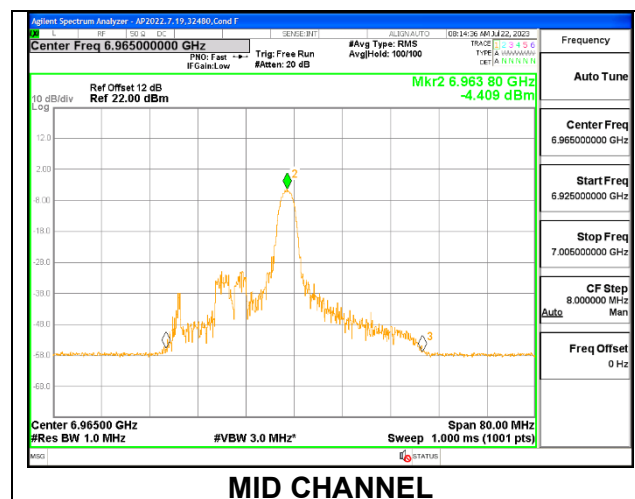
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.54	-0.14	24.00	-24.14
Mid	6965	-1.53	-0.13	24.00	-24.13
High	7085	-1.56	-0.16	24.00	-24.16

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	-4.605	-3.205	-1.00	-2.205
Mid	6965	-4.409	-3.009	-1.00	-2.009
High	7085	-4.418	-3.018	-1.00	-2.018



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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	1.40	24.00	-1.00
Mid	6965	1.40	24.00	-1.00
High	7085	1.40	24.00	-1.00

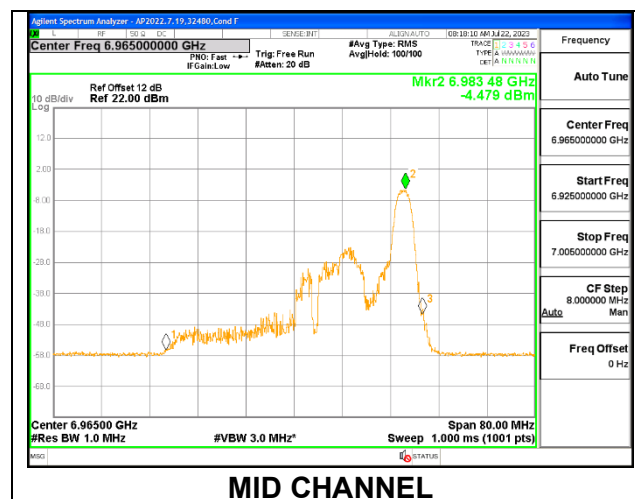
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.60	-0.20	24.00	-24.20
Mid	6965	-1.58	-0.18	24.00	-24.18
High	7085	-1.52	-0.12	24.00	-24.12

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	-4.595	-3.195	-1.00	-2.195
Mid	6965	-4.479	-3.079	-1.00	-2.079
High	7085	-4.387	-2.987	-1.00	-1.987



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	1.40	24.00	-1.00
Mid	6965	1.40	24.00	-1.00
High	7085	1.40	24.00	-1.00

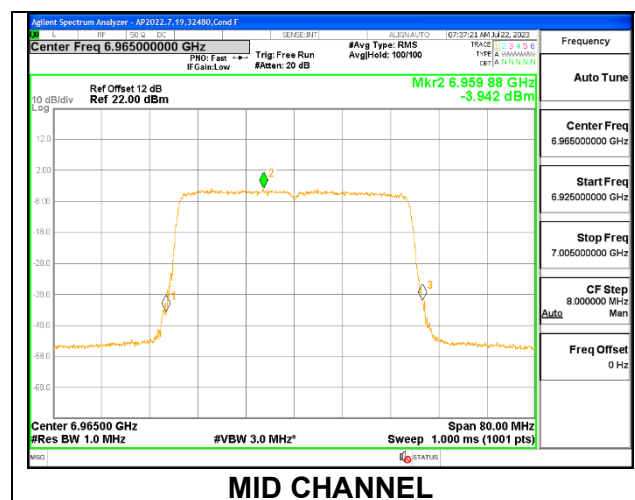
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	10.47	11.87	24.00	-12.13
Mid	6965	10.41	11.81	24.00	-12.19
High	7085	10.46	11.86	24.00	-12.14

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	-4.035	-2.635	-1.00	-1.635
Mid	6965	-3.942	-2.542	-1.00	-1.542
High	7085	-3.608	-2.208	-1.00	-1.208



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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-1.10	24.00	-1.00
Mid	6965	-4.80	24.00	-1.00
High	7085	-4.80	24.00	-1.00

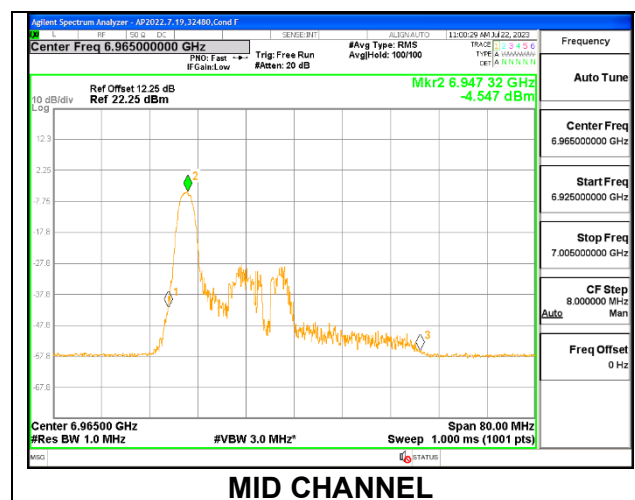
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.62	-2.72	24.00	-26.72
Mid	6965	-1.59	-6.39	24.00	-30.39
High	7085	-1.51	-6.31	24.00	-30.31

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	-4.554	-5.654	-1.00	-4.654
Mid	6965	-4.547	-9.347	-1.00	-8.347
High	7085	-4.671	-9.471	-1.00	-8.471



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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-1.10	24.00	-1.00
Mid	6965	-4.80	24.00	-1.00
High	7085	-4.80	24.00	-1.00

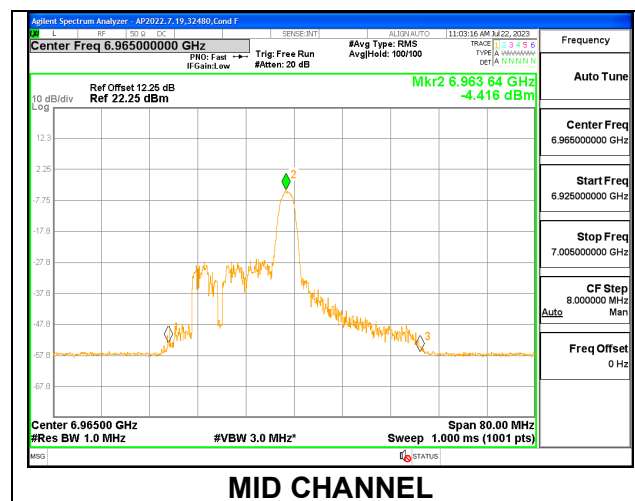
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.60	-2.70	24.00	-26.70
Mid	6965	-1.62	-6.42	24.00	-30.42
High	7085	-1.57	-6.37	24.00	-30.37

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	-4.543	-5.643	-1.00	-4.643
Mid	6965	-4.416	-9.216	-1.00	-8.216
High	7085	-4.475	-9.275	-1.00	-8.275



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

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-1.10	24.00	-1.00
Mid	6965	-4.80	24.00	-1.00
High	7085	-4.80	24.00	-1.00

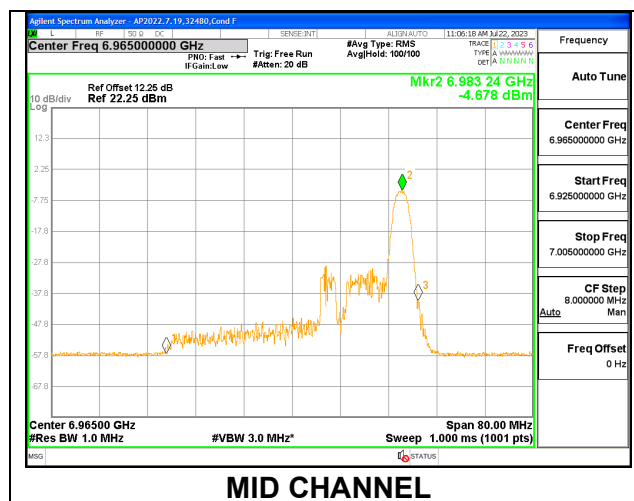
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-1.61	-2.71	24.00	-26.71
Mid	6965	-1.52	-6.32	24.00	-30.32
High	7085	-1.63	-6.43	24.00	-30.43

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	-4.638	-5.738	-1.00	-4.738
Mid	6965	-4.678	-9.478	-1.00	-8.478
High	7085	-4.631	-9.431	-1.00	-8.431



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Straddle	6885	-1.10	24.00	-1.00
Mid	6965	-4.80	24.00	-1.00
High	7085	-4.80	24.00	-1.00

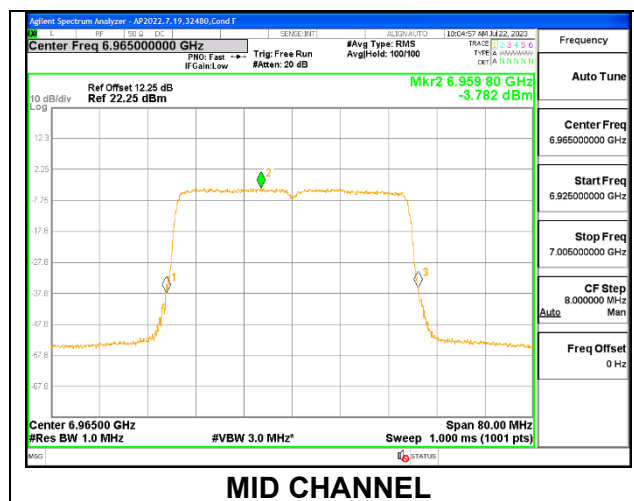
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	10.46	9.36	24.00	-14.64
Mid	6965	10.46	5.66	24.00	-18.34
High	7085	10.43	5.63	24.00	-18.37

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	-3.628	-4.728	-1.00	-3.728
Mid	6965	-3.782	-8.582	-1.00	-7.582
High	7085	-3.789	-8.589	-1.00	-7.589



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

Test Engineer:	32480
Test Date:	7/22/2023

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	6885	0.33	3.25	24.00	-1.00
Mid	6965	-0.68	1.85	24.00	-1.00
High	7085	-0.68	1.85	24.00	-1.00

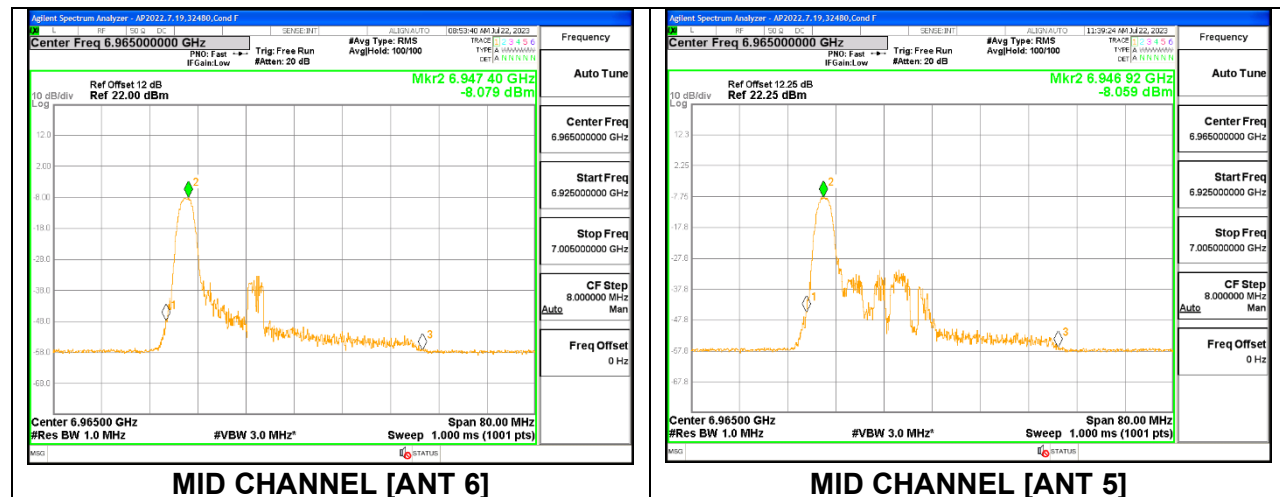
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-6.34	-6.33	-2.99	24.00	-26.99
Mid	6965	-5.06	-5.02	-2.71	24.00	-26.71
High	7085	-5.07	-5.03	-2.72	24.00	-26.72

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	-9.309	-9.407	-3.097	-1.00	-2.097
Mid	6965	-8.079	-8.059	-3.207	-1.00	-2.207
High	7085	-7.828	-7.731	-2.917	-1.00	-1.917



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

Test Engineer:	32480
Test Date:	7/22/2023

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	6885	0.33	3.25	24.00	-1.00
Mid	6965	-0.68	1.85	24.00	-1.00
High	7085	-0.68	1.85	24.00	-1.00

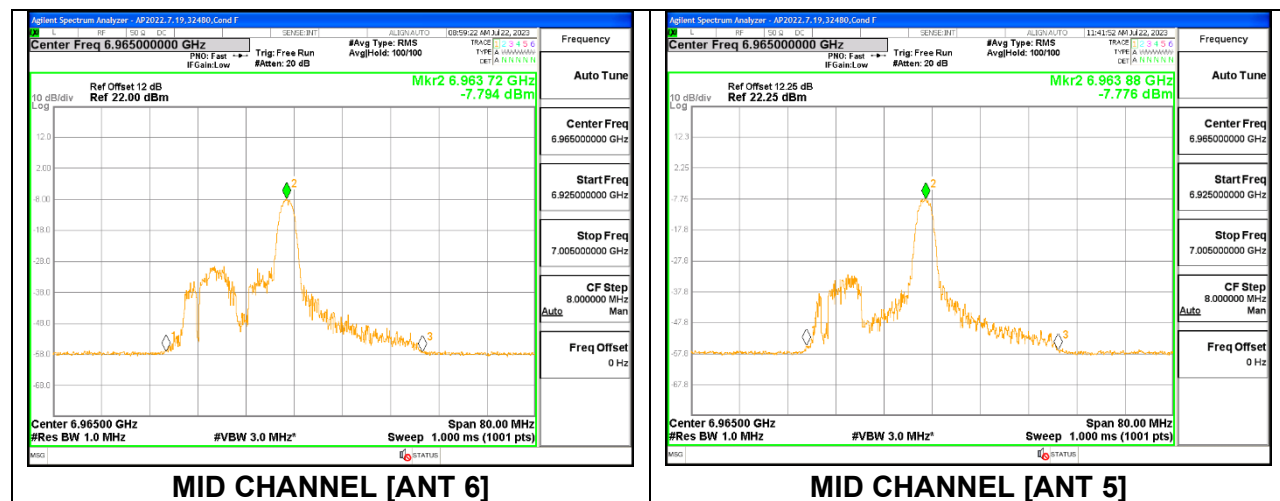
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-6.32	-6.34	-2.99	24.00	-26.99
Mid	6965	-5.04	-5.03	-2.70	24.00	-26.70
High	7085	-5.05	-5.05	-2.72	24.00	-26.72

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	-9.043	-9.186	-2.854	-1.00	-1.854
Mid	6965	-7.794	-7.776	-2.923	-1.00	-1.923
High	7085	-7.829	-7.322	-2.706	-1.00	-1.706



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

Test Engineer:	32480
Test Date:	7/22/2023

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	6885	0.33	3.25	24.00	-1.00
Mid	6965	-0.68	1.85	24.00	-1.00
High	7085	-0.68	1.85	24.00	-1.00

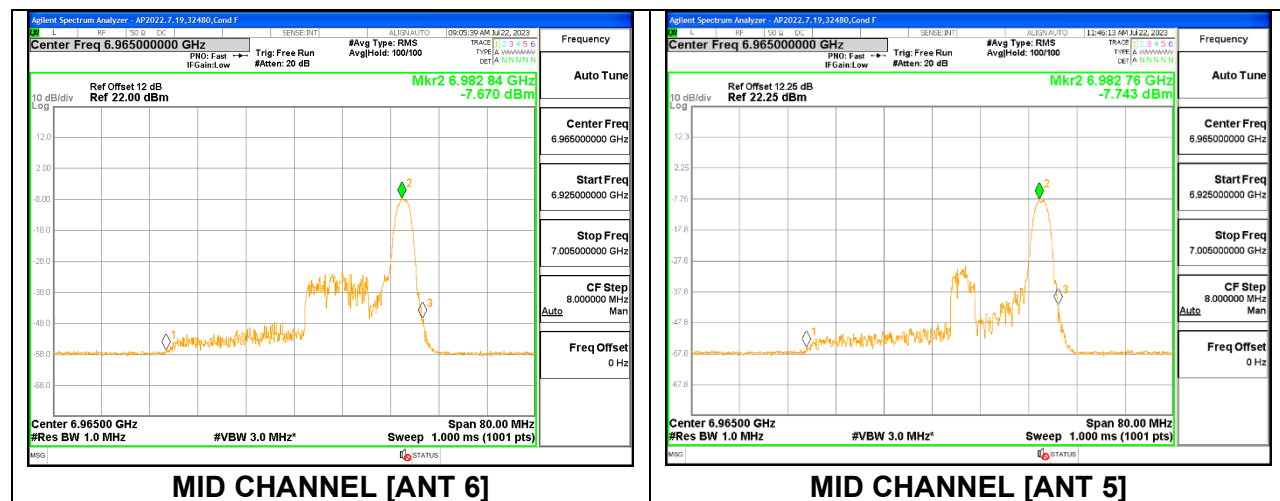
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-6.42	-6.35	-3.04	24.00	-27.04
Mid	6965	-5.06	-5.08	-2.74	24.00	-26.74
High	7085	-5.09	-5.03	-2.73	24.00	-26.73

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	-9.451	-9.312	-3.121	-1.00	-2.121
Mid	6965	-7.670	-7.743	-2.844	-1.00	-1.844
High	7085	-7.886	-7.633	-2.895	-1.00	-1.895



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

Test Engineer:	32480
Test Date:	7/22/2023

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	6885	0.33	3.25	24.00	-1.00
Mid	6965	-0.68	1.85	24.00	-1.00
High	7085	-0.68	1.85	24.00	-1.00

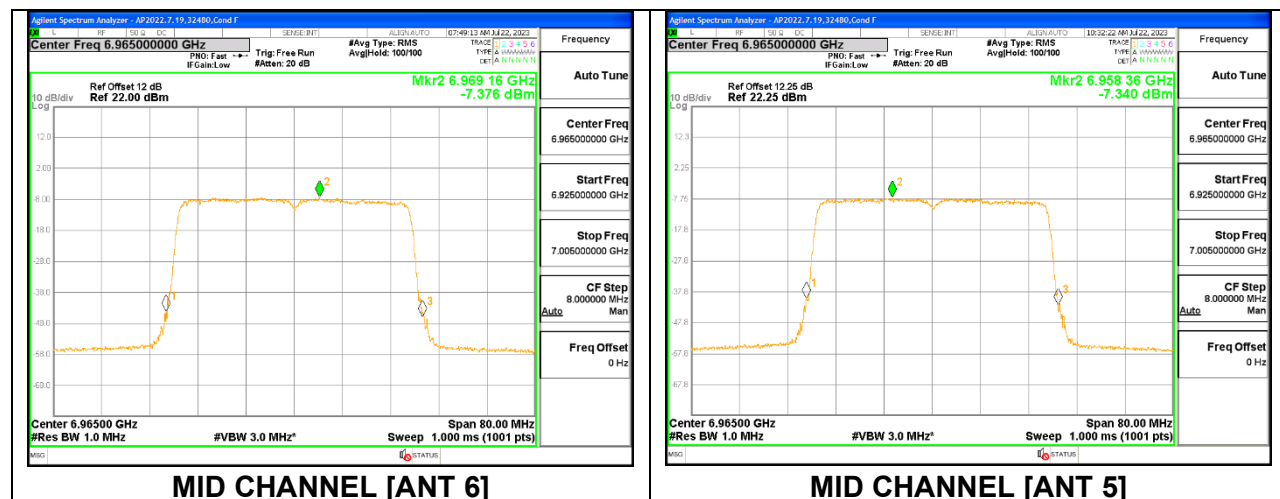
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	5.74	5.72	9.07	24.00	-14.93
Mid	6965	6.98	6.91	9.28	24.00	-14.72
High	7085	6.92	6.93	9.26	24.00	-14.74

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	-8.913	-8.898	-2.645	-1.00	-1.645
Mid	6965	-7.376	-7.340	-2.496	-1.00	-1.496
High	7085	-7.420	-7.166	-2.429	-1.00	-1.429



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

Test Engineer:	32480
Test Date:	7/26/2023

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	6885	0.33	0.33	24.00	-1.00
Mid	6965	-0.68	-0.68	24.00	-1.00
High	7085	-0.68	-0.68	24.00	-1.00

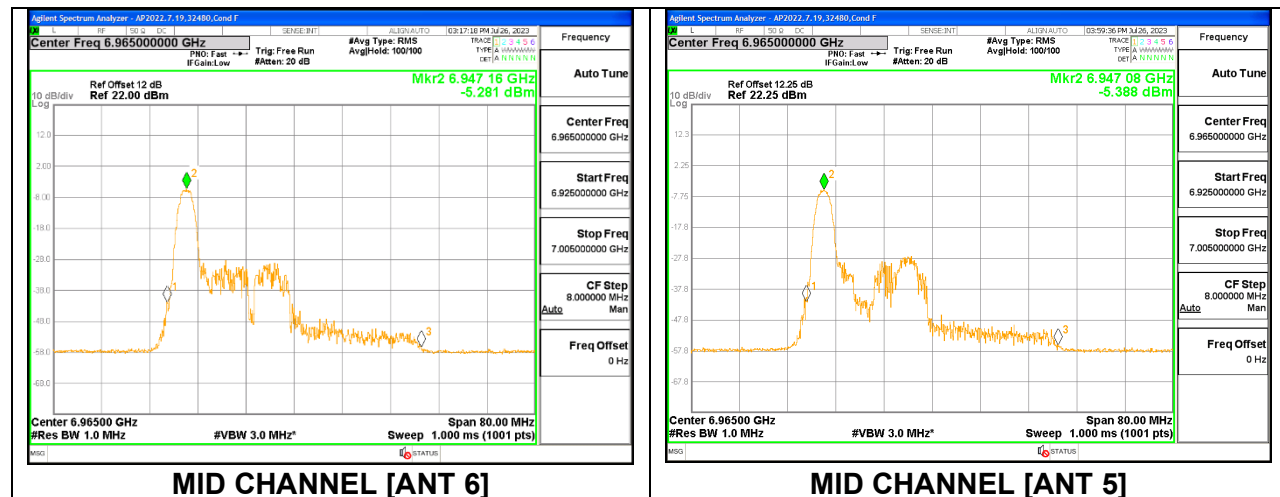
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.34	-3.40	-0.03	24.00	-24.03
Mid	6965	-2.56	-2.60	-0.25	24.00	-24.25
High	7085	-2.59	-2.54	-0.23	24.00	-24.23

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	-6.129	-6.120	-2.784	-1.00	-1.784
Mid	6965	-5.281	-5.388	-3.000	-1.00	-2.000
High	7085	-5.335	-5.337	-3.002	-1.00	-2.002



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

Test Engineer:	32480
Test Date:	7/26/2023

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	6885	0.33	0.33	24.00	-1.00
Mid	6965	-0.68	-0.68	24.00	-1.00
High	7085	-0.68	-0.68	24.00	-1.00

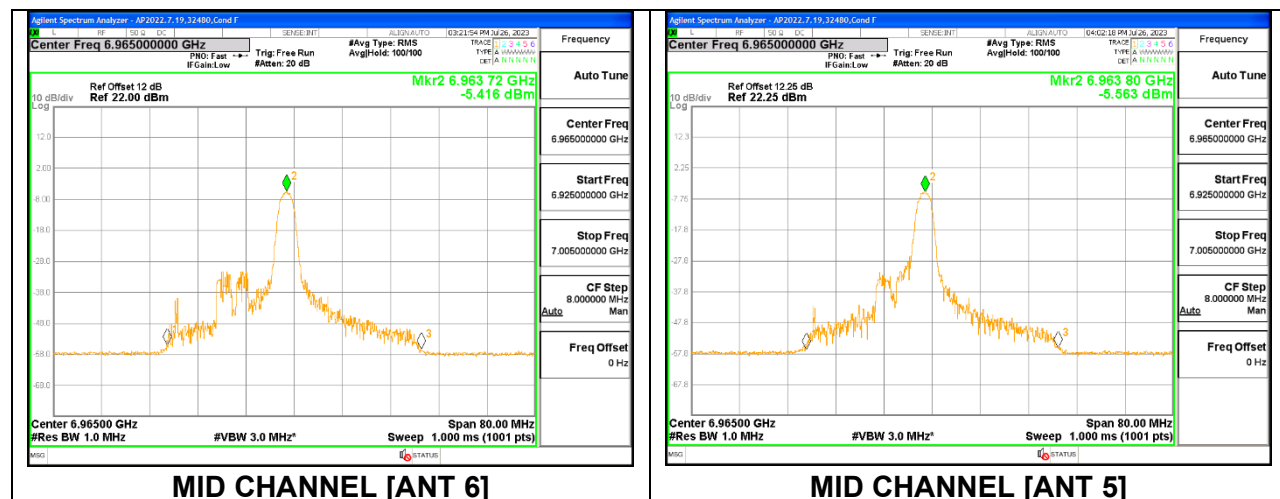
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.33	-3.41	-0.03	24.00	-24.03
Mid	6965	-2.54	-2.53	-0.20	24.00	-24.20
High	7085	-2.53	-2.57	-0.22	24.00	-24.22

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	-6.254	-6.061	-2.816	-1.00	-1.816
Mid	6965	-5.416	-5.563	-3.155	-1.00	-2.155
High	7085	-5.247	-5.256	-2.918	-1.00	-1.918



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

Test Engineer:	32480
Test Date:	7/26/2023

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	6885	0.33	0.33	24.00	-1.00
Mid	6965	-0.68	-0.68	24.00	-1.00
High	7085	-0.68	-0.68	24.00	-1.00

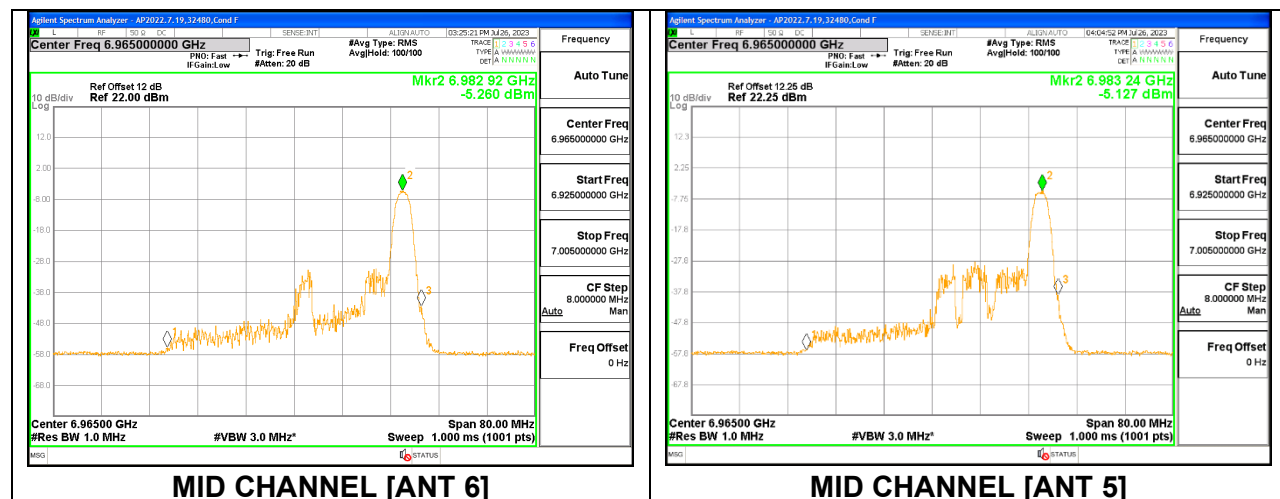
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	-3.36	-3.41	-0.04	24.00	-24.04
Mid	6965	-2.58	-2.58	-0.25	24.00	-24.25
High	7085	-2.58	-2.57	-0.24	24.00	-24.24

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	-5.973	-6.019	-2.656	-1.00	-1.656
Mid	6965	-5.260	-5.127	-2.859	-1.00	-1.859
High	7085	-5.074	-5.192	-2.799	-1.00	-1.799



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

Test Engineer:	32480
Test Date:	7/26/2023

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	6885	0.33	0.33	24.00	-1.00
Mid	6965	-0.68	-0.68	24.00	-1.00
High	7085	-0.68	-0.68	24.00	-1.00

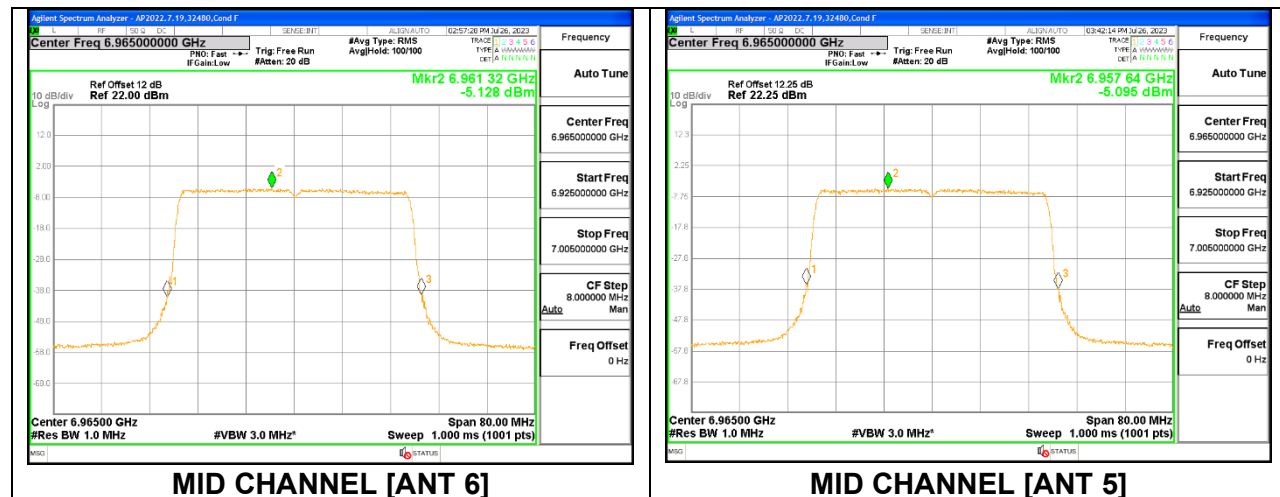
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Straddle	6885	8.73	8.73	12.07	24.00	-11.93
Mid	6965	9.47	9.48	11.81	24.00	-12.19
High	7085	9.30	9.44	11.70	24.00	-12.30

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	-5.675	-5.757	-2.376	-1.00	-1.376
Mid	6965	-5.128	-5.095	-2.778	-1.00	-1.778
High	7085	-5.055	-5.042	-2.715	-1.00	-1.715



9.3.15. 802.11ax HE80 MODE IN THE UNII-8 BAND**1TX Antenna 6 MODE (FCC) – 26 Tones, RU Index 0**

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	1.40	24.00	-1.00
High	7025	1.40	24.00	-1.00

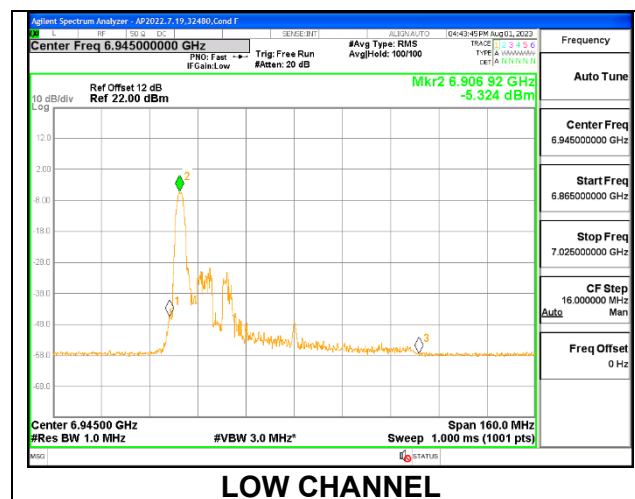
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.54	-0.14	24.00	-24.14
High	7025	-1.64	-0.24	24.00	-24.24

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	-5.324	-3.924	-1.00	-2.924
High	7025	-5.386	-3.986	-1.00	-2.986



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

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	1.40	24.00	-1.00
High	7025	1.40	24.00	-1.00

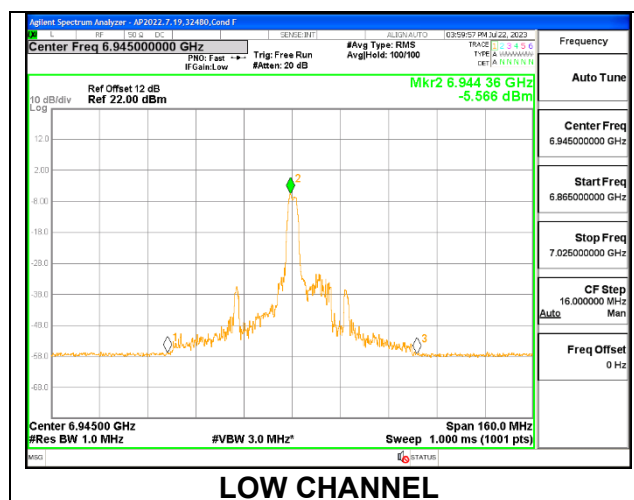
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.58	-0.18	24.00	-24.18
High	7025	-1.77	-0.37	24.00	-24.37

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	-5.566	-4.166	-1.00	-3.166
High	7025	-5.528	-4.128	-1.00	-3.128



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

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	1.40	24.00	-1.00
High	7025	1.40	24.00	-1.00

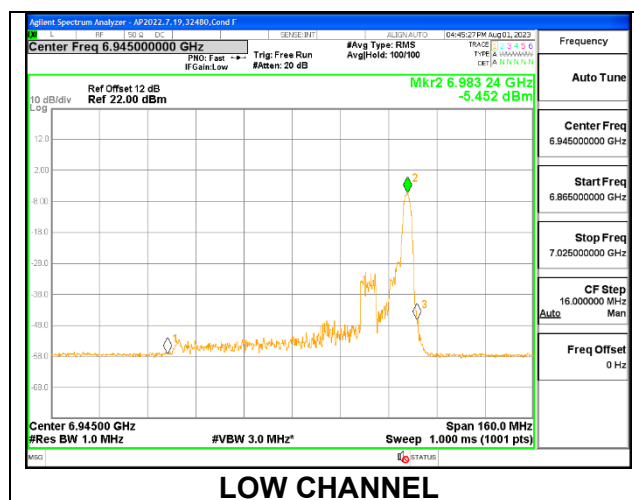
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.54	-0.14	24.00	-24.14
High	7025	-1.54	-0.14	24.00	-24.14

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	-5.452	-4.052	-1.00	-3.052
High	7025	-5.584	-4.184	-1.00	-3.184



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	1.40	24.00	-1.00
High	7025	1.40	24.00	-1.00

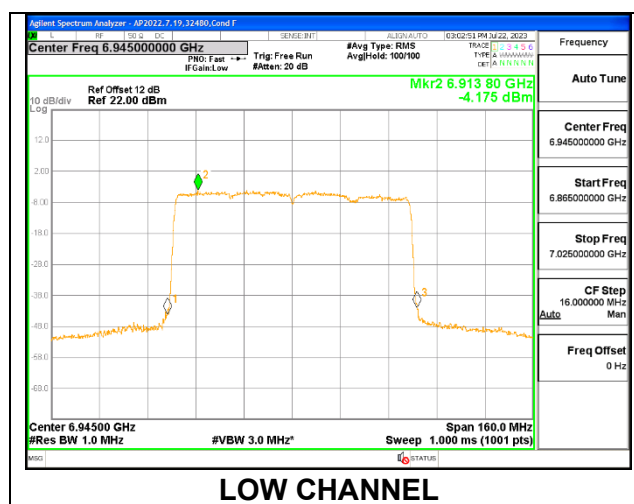
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	12.94	14.34	24.00	-9.66
High	7025	12.98	14.38	24.00	-9.62

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	-4.175	-2.775	-1.00	-1.775
High	7025	-4.071	-2.671	-1.00	-1.671



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

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.80	24.00	-1.00
High	7025	-4.80	24.00	-1.00

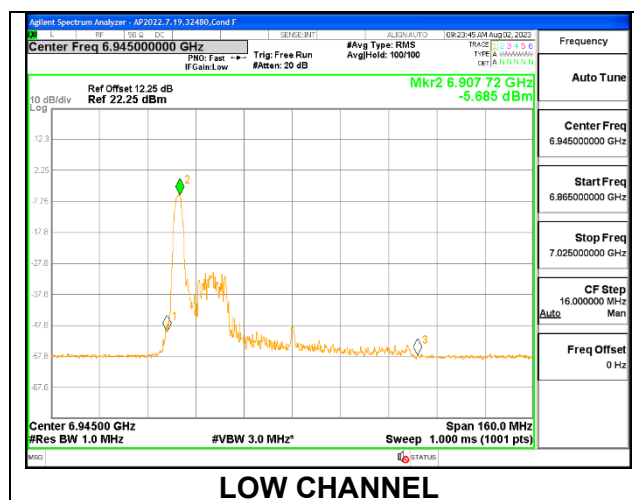
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.63	-6.43	24.00	-30.43
High	7025	-1.58	-6.38	24.00	-30.38

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	-5.685	-10.485	-1.00	-9.485
High	7025	-5.392	-10.192	-1.00	-9.192



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

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.80	24.00	-1.00
High	7025	-4.80	24.00	-1.00

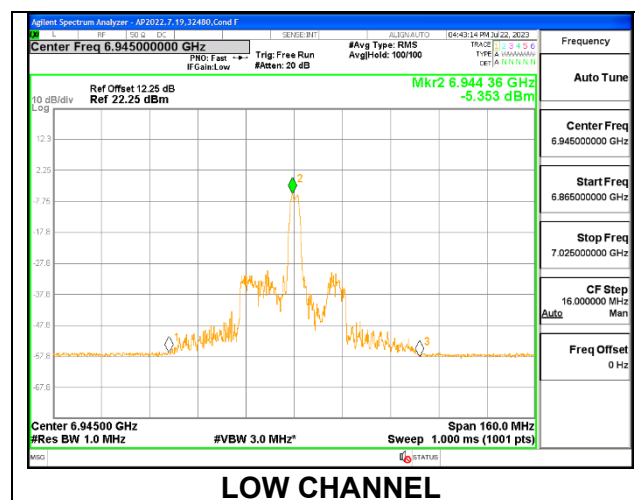
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.60	-6.40	24.00	-30.40
High	7025	-1.61	-6.41	24.00	-30.41

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	6945	-5.353	-10.153	-1.00	-9.153
High	7025	-5.659	-10.459	-1.00	-9.459



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

Test Engineer:	32480
Test Date:	8/1/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.80	24.00	-1.00
High	7025	-4.80	24.00	-1.00

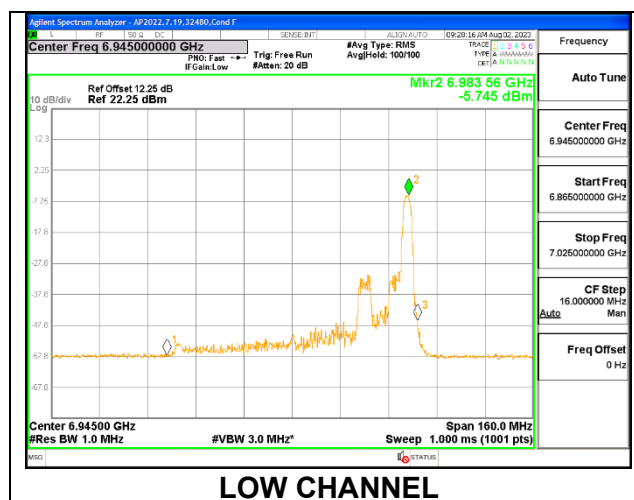
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-1.57	-6.37	24.00	-30.37
High	7025	-1.63	-6.43	24.00	-30.43

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	-5.745	-10.545	-1.00	-9.545
High	7025	-5.353	-10.153	-1.00	-9.153



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	32480
Test Date:	7/22/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	6945	-4.80	24.00	-1.00
High	7025	-4.80	24.00	-1.00

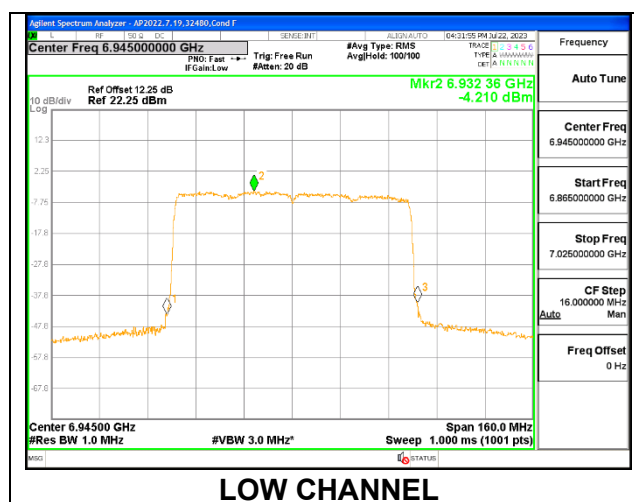
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	12.96	8.16	24.00	-15.84
High	7025	12.89	8.09	24.00	-15.91

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	-4.210	-9.010	-1.00	-8.010
High	7025	-4.145	-8.945	-1.00	-7.945



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

Test Engineer:	32480
Test Date:	7/22/2023

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)
Low	6945	-0.68	1.85	24.00	-1.00
High	7025	-0.68	1.85	24.00	-1.00

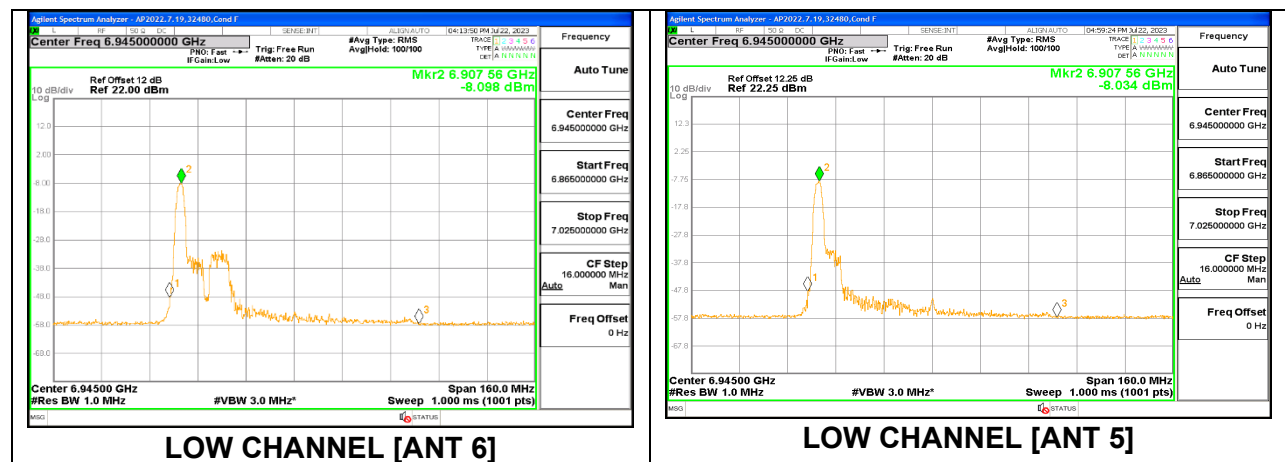
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-5.05	-5.09	-2.74	24.00	-26.74
High	7025	-5.04	-5.07	-2.72	24.00	-26.72

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	-8.098	-8.034	-3.203	-1.00	-2.203
High	7025	-8.072	-7.983	-3.165	-1.00	-2.165



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

Test Engineer:	32480
Test Date:	7/22/2023

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)
Low	6945	-0.68	1.85	24.00	-1.00
High	7025	-0.68	1.85	24.00	-1.00

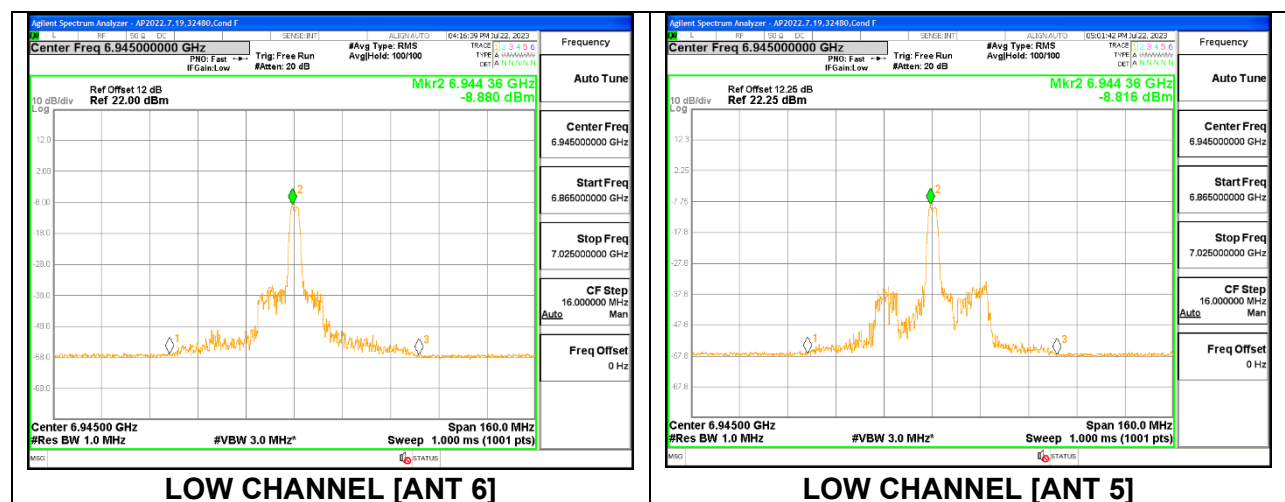
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-5.08	-5.06	-2.74	24.00	-26.74
High	7025	-5.10	-5.08	-2.76	24.00	-26.76

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	-8.880	-8.816	-3.985	-1.00	-2.985
High	7025	-9.096	-9.025	-4.198	-1.00	-3.198



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

Test Engineer:	32480
Test Date:	7/22/2023

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)
Low	6945	-0.68	1.85	24.00	-1.00
High	7025	-0.68	1.85	24.00	-1.00

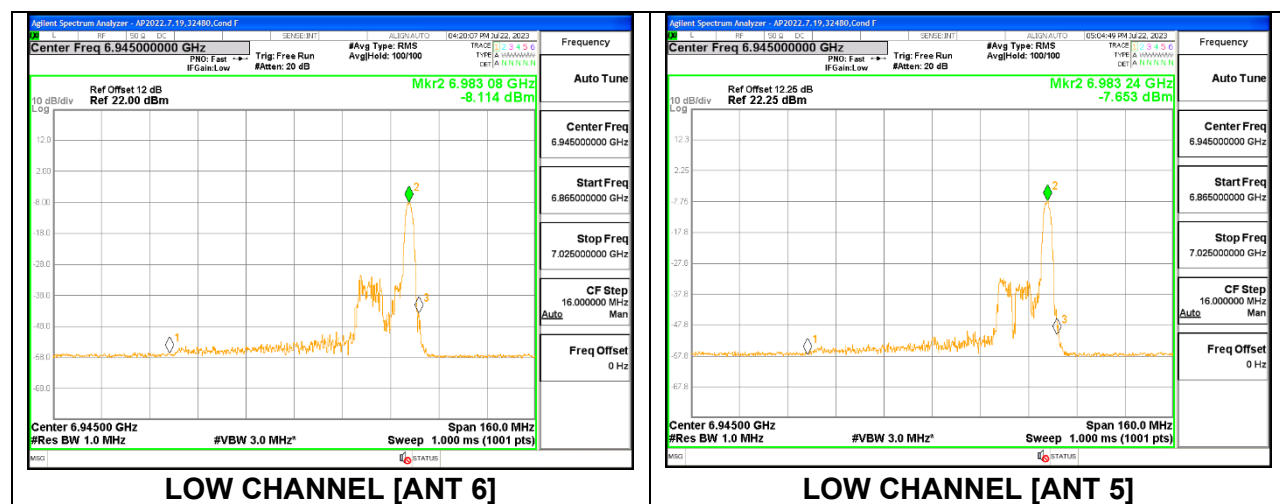
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-5.06	-5.02	-2.71	24.00	-26.71
High	7025	-5.08	-5.04	-2.73	24.00	-26.73

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	-8.114	-7.653	-3.015	-1.00	-2.015
High	7025	-7.889	-7.938	-3.051	-1.00	-2.051



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

Test Engineer:	32480
Test Date:	7/22/2023

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)
Low	6945	-0.68	1.85	24.00	-1.00
High	7025	-0.68	1.85	24.00	-1.00

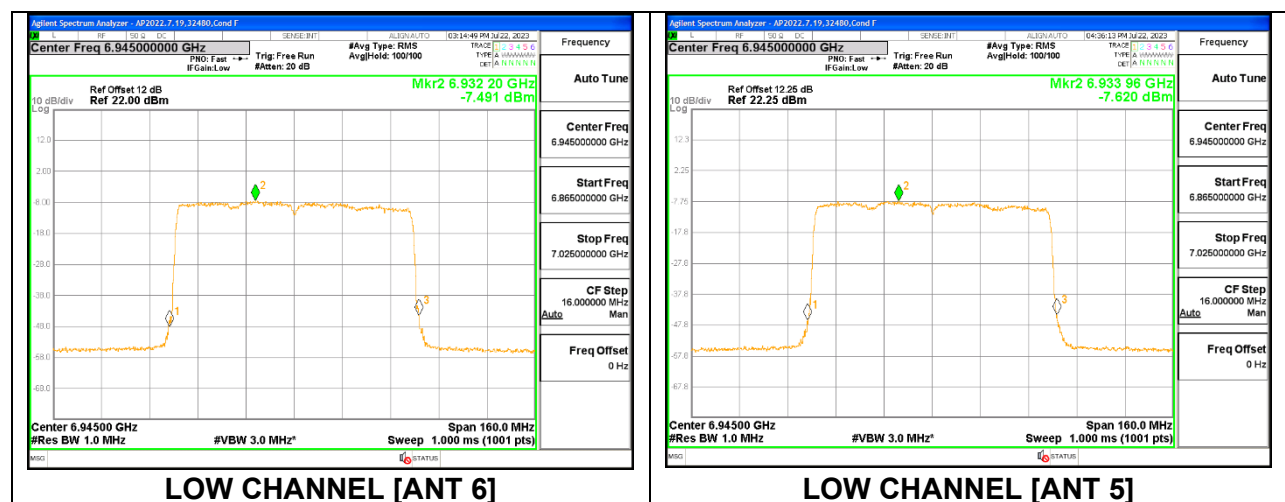
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	9.41	9.46	11.77	24.00	-12.23
High	7025	9.42	9.41	11.75	24.00	-12.25

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	-7.491	-7.620	-2.693	-1.00	-1.693
High	7025	-7.696	-7.494	-2.731	-1.00	-1.731



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6945	-0.68	-0.68	24.00	-1.00
High	7025	-0.68	-0.68	24.00	-1.00

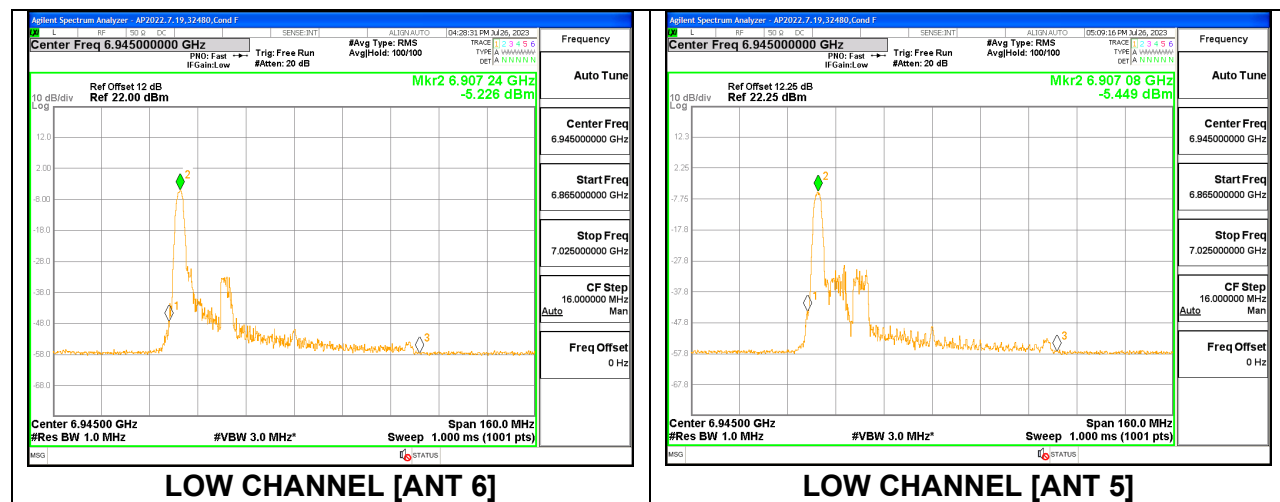
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-2.53	-2.54	-0.20	24.00	-24.20
High	7025	-2.67	-2.61	-0.31	24.00	-24.31

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	-5.226	-5.449	-3.002	-1.00	-2.002
High	7025	-5.183	-5.483	-2.997	-1.00	-1.997



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6945	-0.68	-0.68	24.00	-1.00
High	7025	-0.68	-0.68	24.00	-1.00

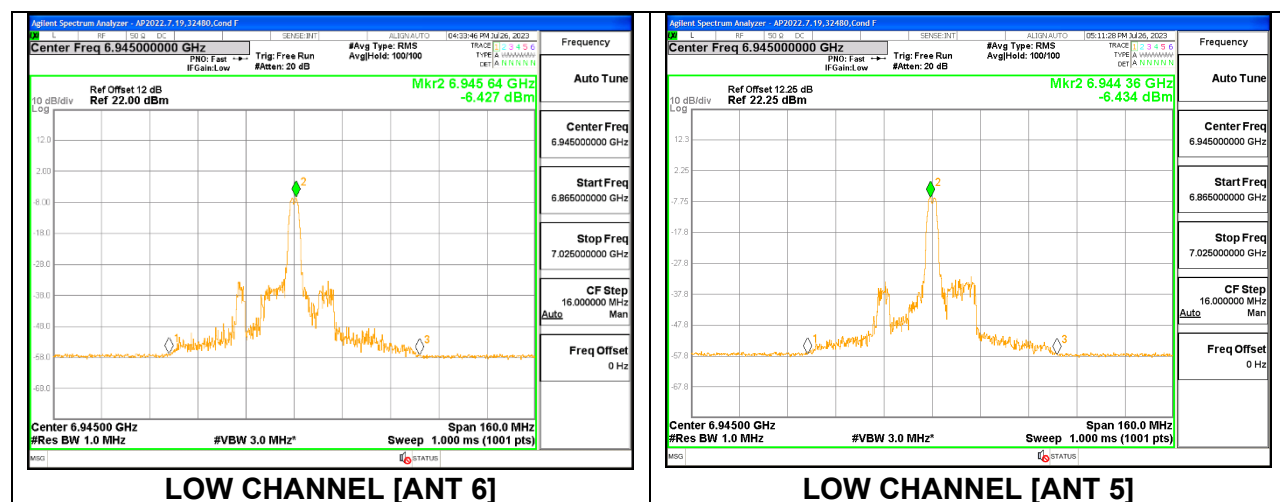
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-2.65	-2.53	-0.26	24.00	-24.26
High	7025	-2.55	-2.61	-0.25	24.00	-24.25

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	-6.427	-6.434	-4.097	-1.00	-3.097
High	7025	-6.737	-6.577	-4.322	-1.00	-3.322



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6945	-0.68	-0.68	24.00	-1.00
High	7025	-0.68	-0.68	24.00	-1.00

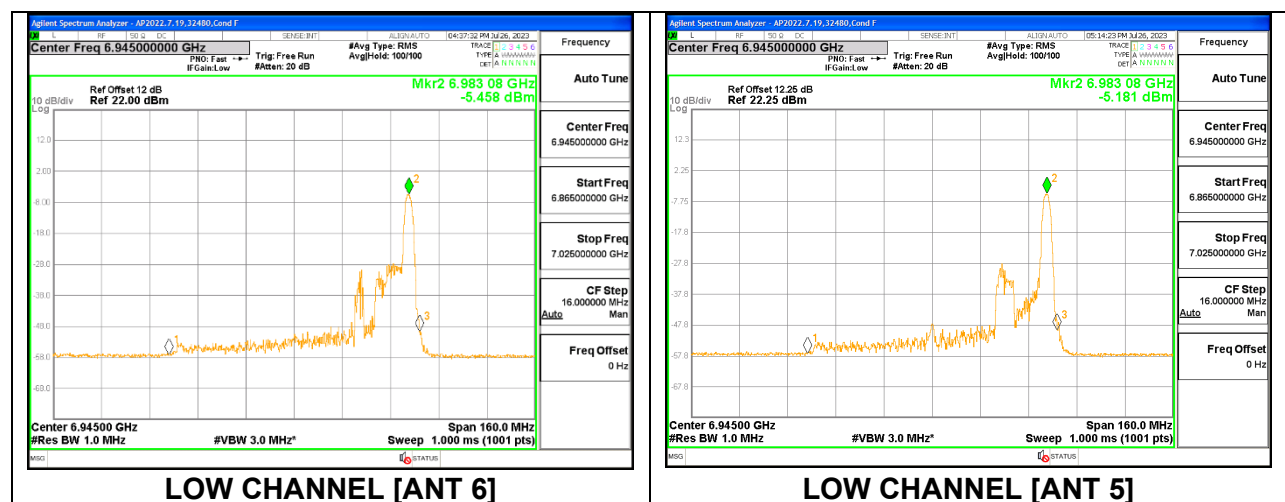
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	-2.54	-2.58	-0.23	24.00	-24.23
High	7025	-2.61	-2.62	-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)
Low	6945	-5.458	-5.181	-2.983	-1.00	-1.983
High	7025	-5.232	-5.313	-2.939	-1.00	-1.939



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

Test Engineer:	32480
Test Date:	7/26/2023

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)
Low	6945	-0.68	-0.68	24.00	-1.00
High	7025	-0.68	-0.68	24.00	-1.00

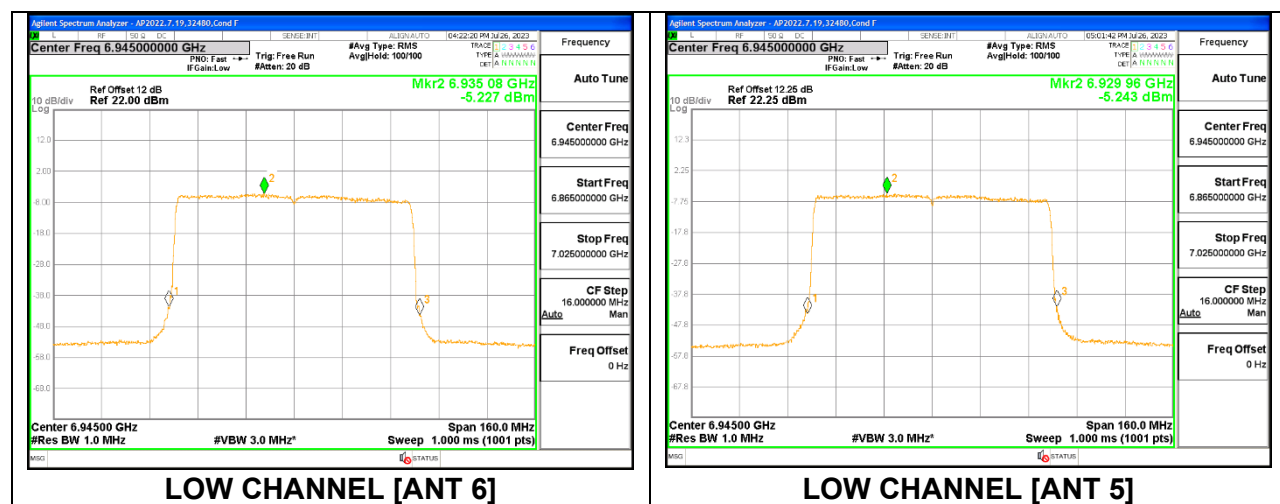
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	6945	11.97	11.91	14.27	24.00	-9.73
High	7025	11.94	11.95	14.28	24.00	-9.72

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	-5.227	-5.243	-2.801	-1.00	-1.801
High	7025	-5.462	-5.479	-3.037	-1.00	-2.037



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

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

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	1.40	24.00	-1.00

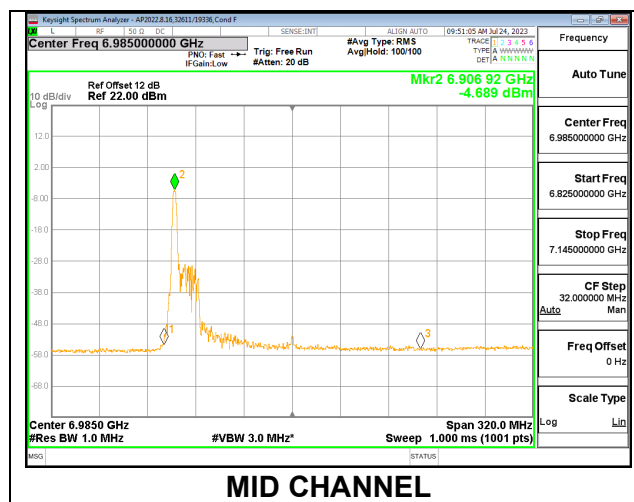
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.52	-0.12	24.00	-24.12

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	-4.689	-3.289	-1.00	-2.289



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

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	1.40	24.00	-1.00

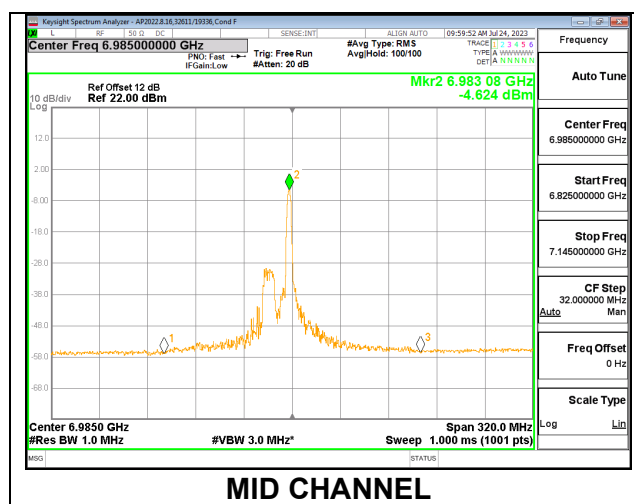
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.52	-0.12	24.00	-24.12

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	-4.624	-3.224	-1.00	-2.224



1TX Antenna 6 MODE (FCC) – 26 Tones, RU Index S36

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	1.40	24.00	-1.00

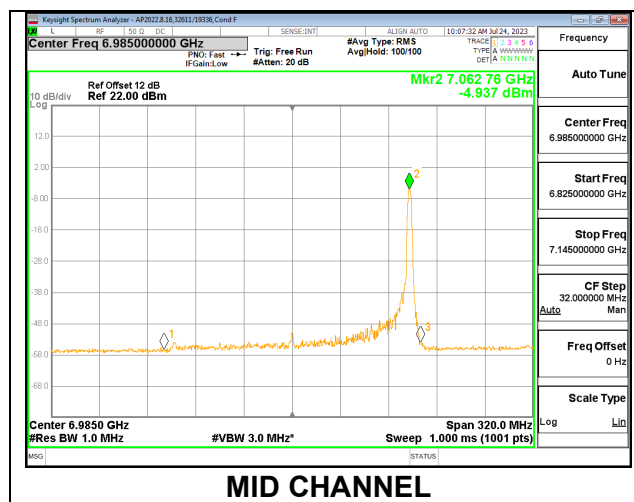
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.66	-0.26	24.00	-24.26

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	-4.937	-3.537	-1.00	-2.537



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	1.40	24.00	-1.00

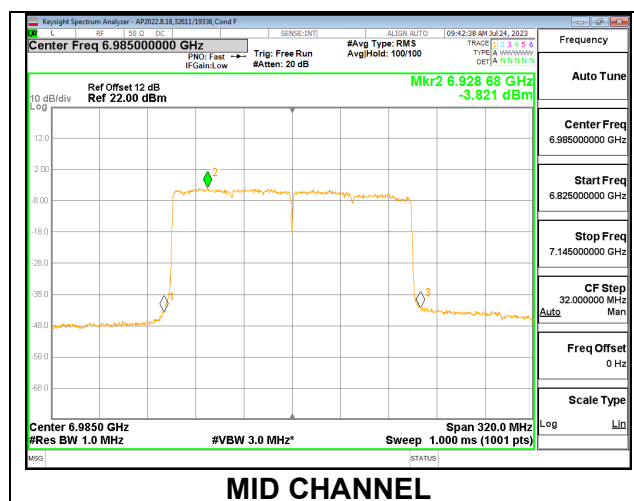
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	15.95	17.35	24.00	-6.65

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	-3.821	-2.321	-1.00	-1.321



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

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-4.80	24.00	-1.00

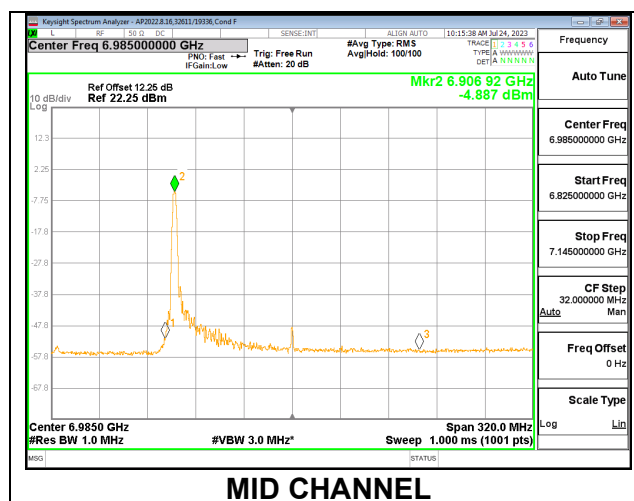
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.61	-6.41	24.00	-30.41

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)
Mid	6985	-4.887	-9.687	-1.00	-8.687



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

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-4.80	24.00	-1.00

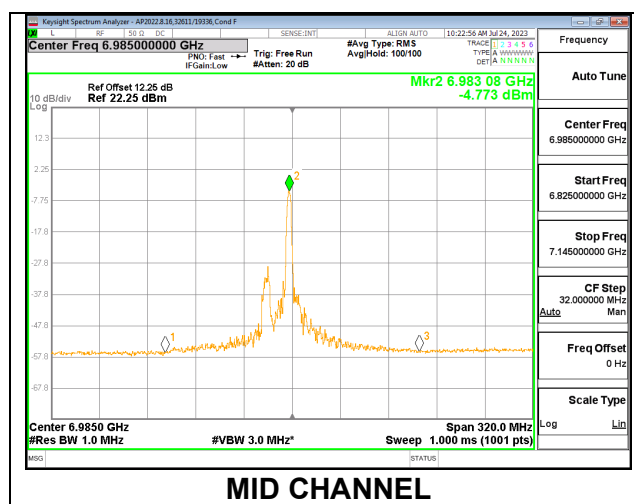
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.54	-6.34	24.00	-30.34

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)
Mid	6985	-4.773	-9.573	-1.00	-8.573



1TX Antenna 5 MODE (FCC) – 26 Tones, RU Index S36

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-4.80	24.00	-1.00

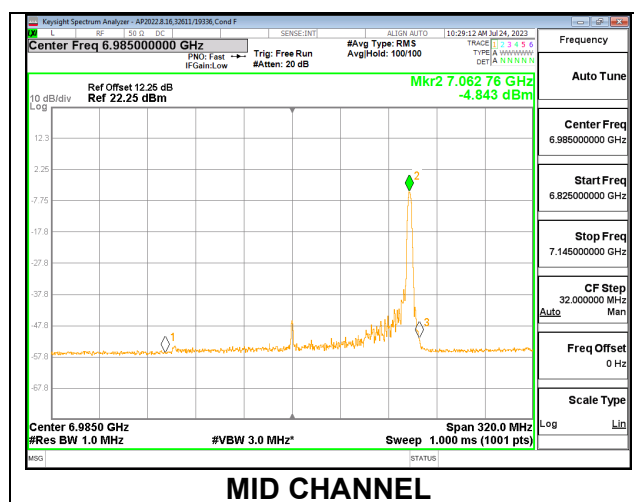
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-1.57	-6.37	24.00	-30.37

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	-4.843	-9.643	-1.00	-8.643



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	19336
Test Date:	7/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Mid	6985	-4.80	24.00	-1.00

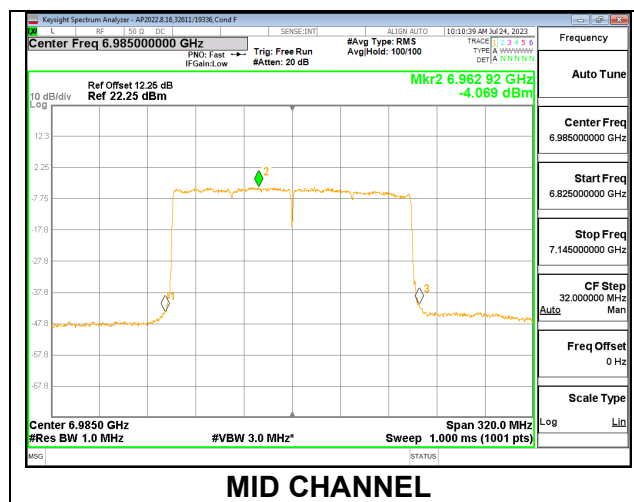
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	15.92	11.12	24.00	-12.88

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	-4.069	-8.769	-1.00	-7.769



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

Test Engineer:	19336
Test Date:	7/24/2023

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	6985	-0.68	1.85	24.00	-1.00

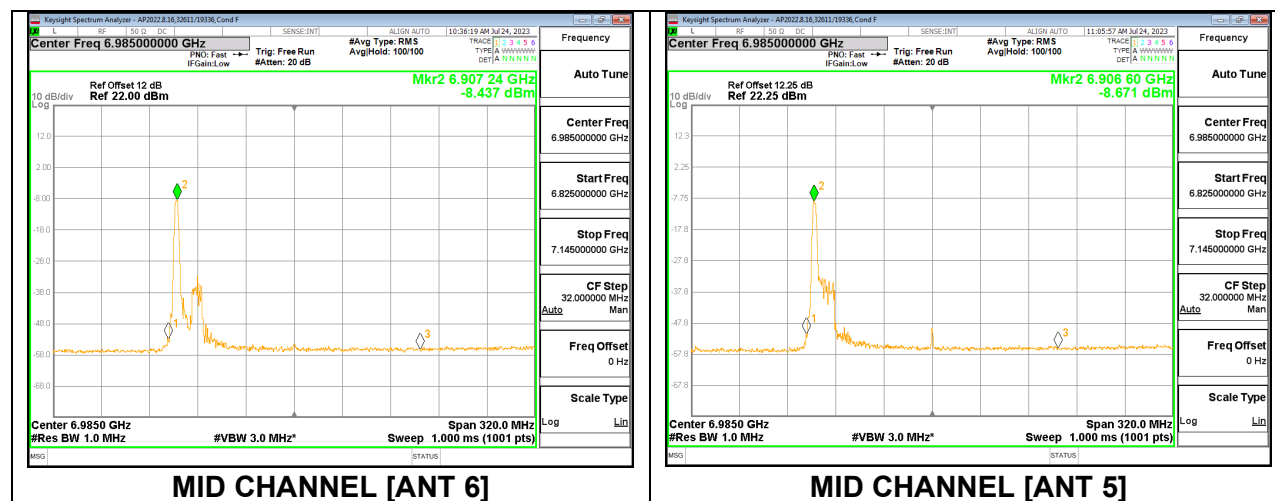
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-5.05	-5.02	-2.70	24.00	-26.70

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	-8.437	-8.671	-3.690	-1.00	-2.690



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

Test Engineer:	19336
Test Date:	7/24/2023

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	6985	-0.68	1.85	24.00	-1.00

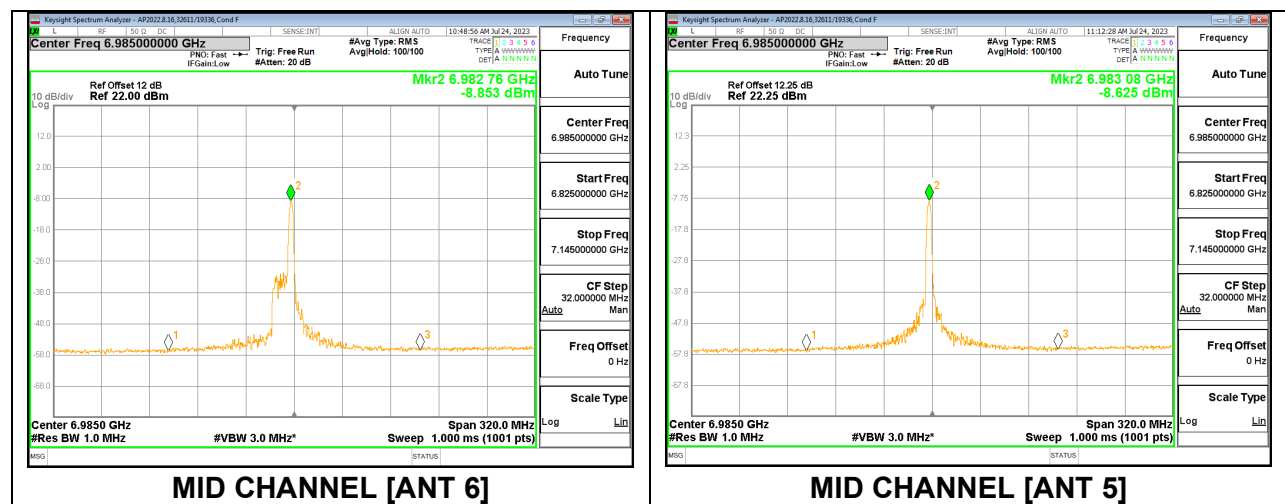
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-5.07	-5.03	-2.72	24.00	-26.72

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	-8.853	-8.625	-3.875	-1.00	-2.875



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 26 Tones, RU Index S36

Test Engineer:	19336
Test Date:	7/24/2023

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	6985	-0.68	1.85	24.00	-1.00

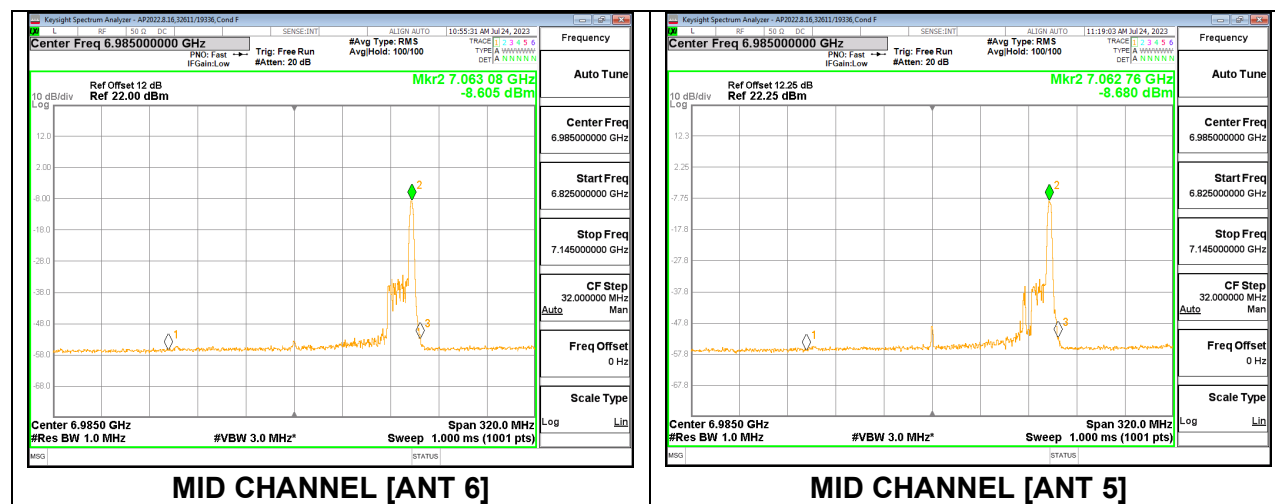
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-5.12	-5.03	-2.74	24.00	-26.74

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	-8.605	-8.680	-3.780	-1.00	-2.780



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

Test Engineer:	19336
Test Date:	7/24/2023

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	6985	-0.68	1.85	24.00	-1.00

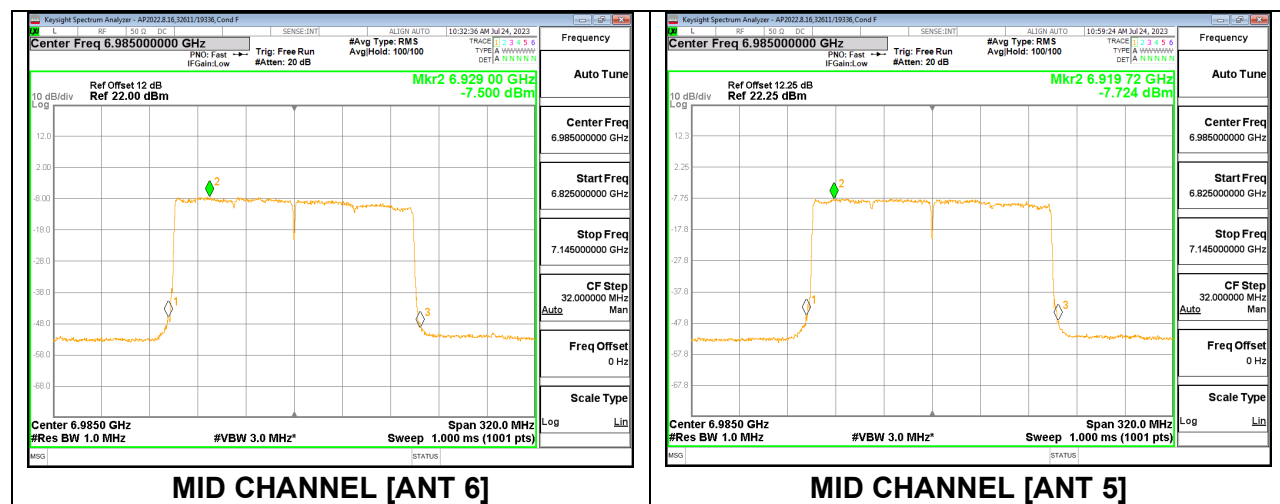
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	12.44	12.41	14.76	24.00	-9.24

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	-7.500	-7.724	-2.648	-1.00	-1.648



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

Test Engineer:	32593
Test Date:	7/25/2023

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	6985	-0.68	-0.68	24.00	-1.00

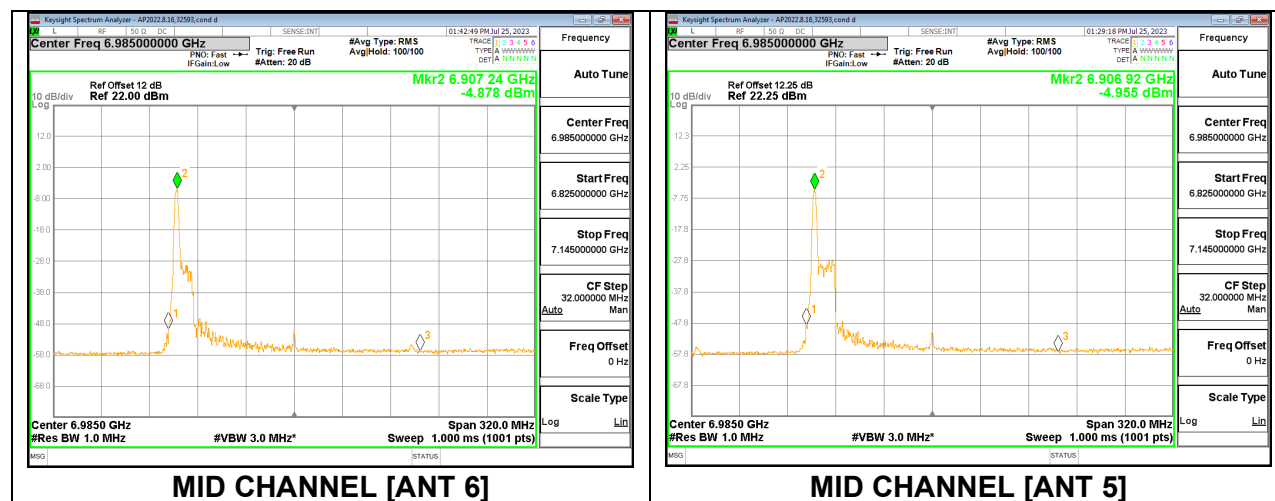
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-2.54	-2.55	-0.21	24.00	-24.21

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	-4.878	-4.955	-2.583	-1.00	-1.583



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

Test Engineer:	32593
Test Date:	7/25/2023

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	6985	-0.68	-0.68	24.00	-1.00

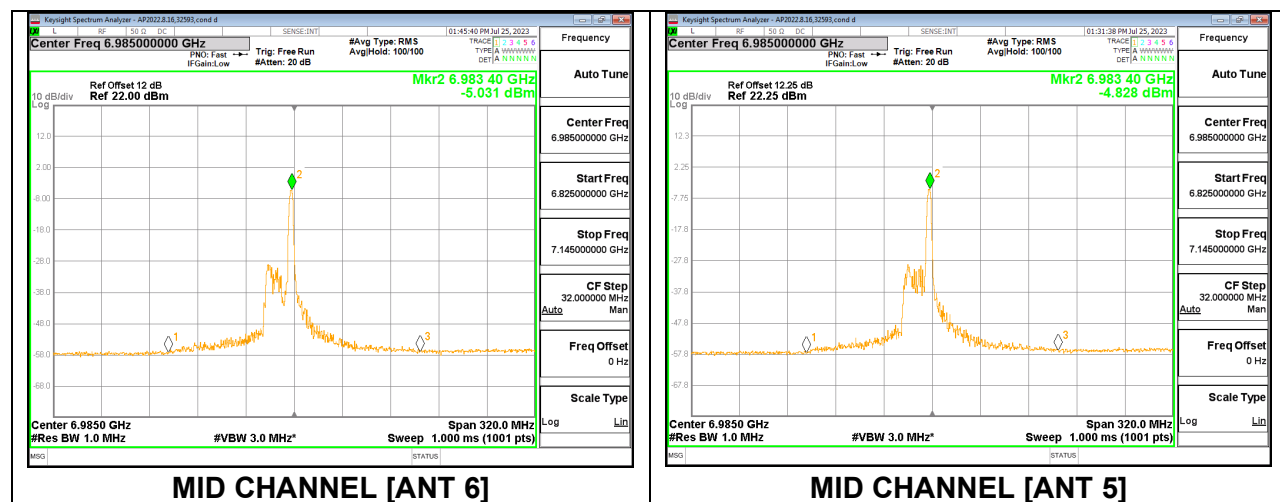
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-2.56	-2.59	-0.24	24.00	-24.24

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	-5.031	-4.828	-2.595	-1.00	-1.595



2TX Antenna 6 + Antenna 5 SDM MODE (FCC) – 26 Tones, RU Index S36

Test Engineer:	32593
Test Date:	7/25/2023

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	6985	-0.68	-0.68	24.00	-1.00

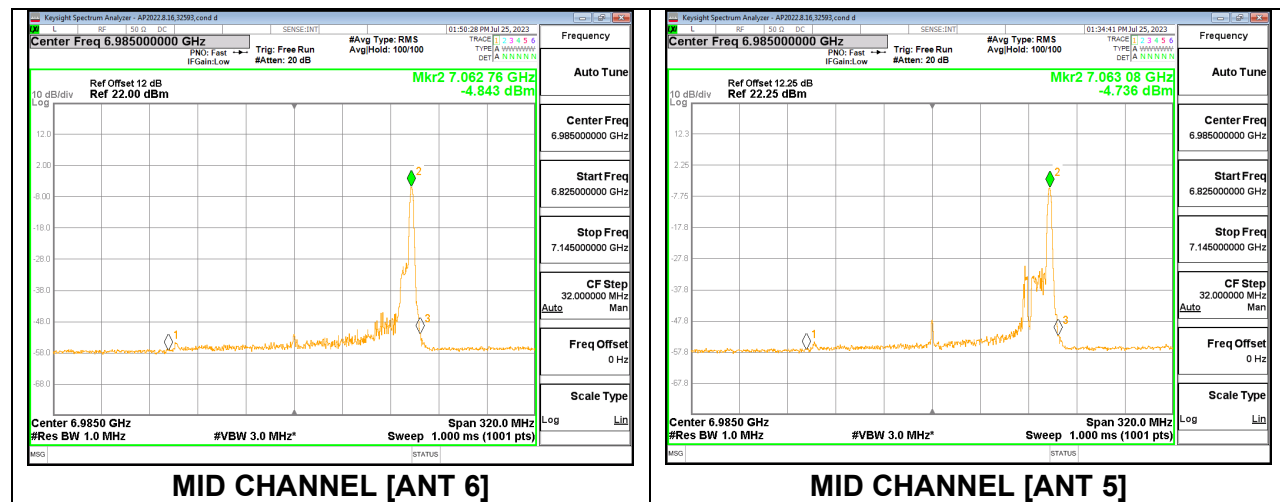
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	-2.67	-2.61	-0.31	24.00	-24.31

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	-4.843	-4.736	-2.455	-1.00	-1.455



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

Test Engineer:	32593
Test Date:	7/25/2023

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	6985	-0.68	-0.68	24.00	-1.00

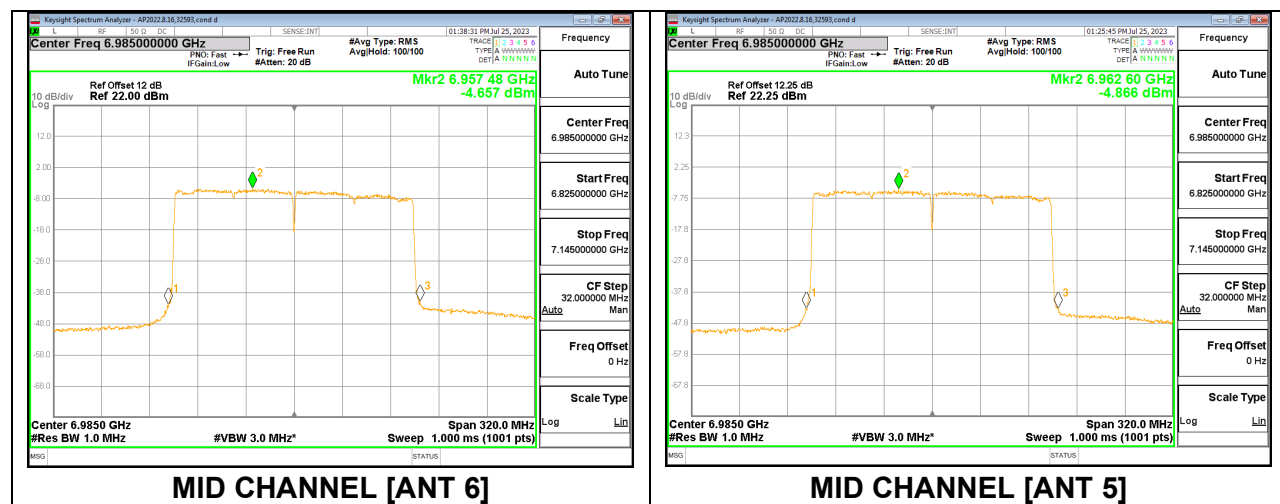
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Mid	6985	14.98	14.93	17.29	24.00	-6.71

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	-4.657	-4.866	-2.236	-1.00	-1.236



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:

CDD MIMO Tx chains used uncorrelated gain for EIRP calculation and correlated gain for PSD EIRP calculation. 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)	-2.60	-4.00	-3.24	-0.26
	Sub-band 2 (6115 - 6255)	-1.00	-0.90	-0.95	2.06
	Sub-band 3 (6275 - 6415)	-1.40	-0.50	-0.93	2.07
6425 - 6525 UNII-6	N/A	-0.70	-0.50	-0.60	2.41
UNII-6/7 (Straddle Channel)	N/A	1.00	-0.50	-0.31	3.29
6525 - 6875 UNII-7	N/A	1.00	-1.10	0.08	3.02
UNII-7/8 (Straddle Channel)	N/A	1.40	-1.10	0.33	3.25
6875 - 7125 UNII-8	N/A	1.40	-4.80	-0.68	1.85

DIRECTIONAL GAIN CALCULATION:

ANSI C63.10-2013 section 14.4.3

Uncorrelated directional gain= $10 \cdot \log((10^{(\text{Ant6}/10)} + 10^{(\text{Ant5}/10)})/2)$

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

Sample Calculation at UNII-5 Band:

Ant6=-2.60, Ant5=-4.00

Uncorrelated Antenna gain= $10 \log[(10^{(-2.60/10)} + 10^{(-4.00/10)})/2] = -3.24 \text{ dBi}$

Correlated Antenna gain= $10 \log[(10^{(-2.60/20)} + 10^{(-4.00/20)})^2/2] = -0.26 \text{ dBi}$

EIRP Calculation:**1Tx**

EIRP corr'd power = Ant6 + Antenna Gain

Sample Calculation at UNII-5 Band:

Ant6 Power=11.49 dBm

EIRP corr'd power = 11.49 + (-2.60) = 8.89 dBm

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 Power=11.47 dBm, Ant5 Power=11.46

EIRP corr'd power = $10 \cdot \text{LOG}(10^{(11.47/10)} + 10^{(11.46/10)})$ + (-3.24) = 11.23 dBm

EIRP PSD Calculation:**1Tx**

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

Sample Calculation at UNII-5 Band:

Ant6 PSD= 9.252 dBm/1MHz

EIRP corr'd PSD = 0 + 9.252 + (-2.60) = 6.652 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=9.093 dBm/1MHz, Ant5 PSD=9.195 dBm/1MHz

EIRP corr'd PSD = $(10 \cdot \text{LOG}(10^{((0 + (9.093))/10)} + 10^{((0 + (9.195))/10)}))$ + (-0.26) = 11.893 dBm/1MHz

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

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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-2.60	30.00	17.00
Mid	6175	-1.00	30.00	17.00
High	6415	-1.40	30.00	17.00

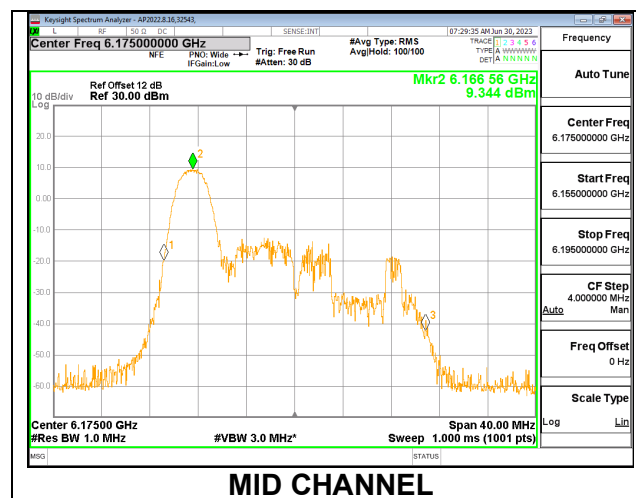
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.49	8.89	30.00	-21.11
Mid	6175	11.47	10.47	30.00	-19.53
High	6415	11.47	10.07	30.00	-19.93

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	9.252	6.652	17.00	-10.348
Mid	6175	9.344	8.344	17.00	-8.656
High	6415	9.203	7.803	17.00	-9.197



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-2.60	30.00	17.00
Mid	6175	-1.00	30.00	17.00
High	6415	-1.40	30.00	17.00

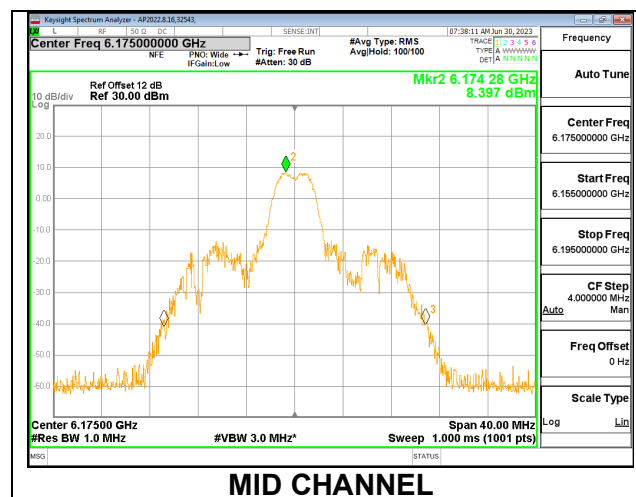
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.42	8.82	30.00	-21.18
Mid	6175	11.46	10.46	30.00	-19.54
High	6415	11.41	10.01	30.00	-19.99

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	8.165	5.565	17.00	-11.435
Mid	6175	8.397	7.397	17.00	-9.603
High	6415	8.359	6.959	17.00	-10.041



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-2.60	30.00	17.00
Mid	6175	-1.00	30.00	17.00
High	6415	-1.40	30.00	17.00

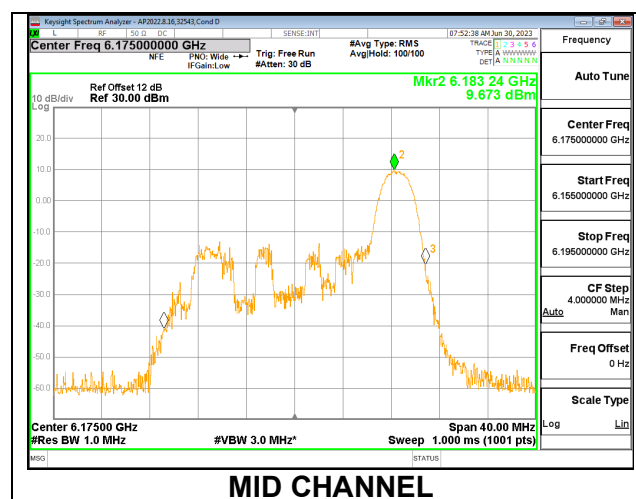
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.48	8.88	30.00	-21.12
Mid	6175	11.40	10.40	30.00	-19.60
High	6415	11.45	10.05	30.00	-19.95

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	9.505	6.905	17.00	-10.095
Mid	6175	9.673	8.673	17.00	-8.327
High	6415	9.390	7.990	17.00	-9.010



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-2.60	30.00	17.00
Mid	6175	-1.00	30.00	17.00
High	6415	-1.40	30.00	17.00

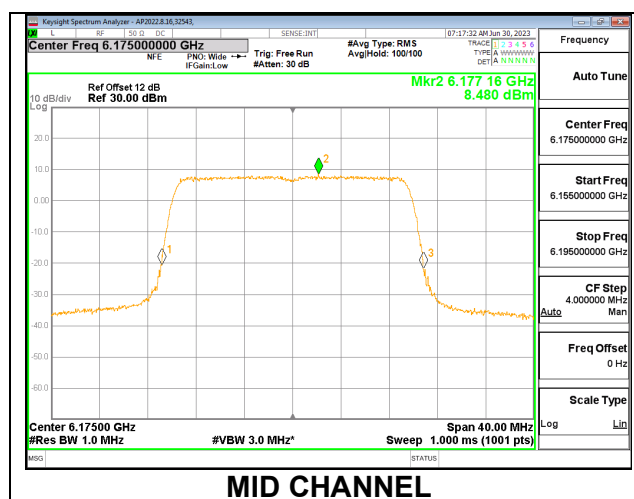
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	19.43	16.83	30.00	-13.17
Mid	6175	19.44	18.44	30.00	-11.56
High	6415	19.46	18.06	30.00	-11.94

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	5955	8.497	5.897	17.00	-11.103
Mid	6175	8.480	7.480	17.00	-9.520
High	6415	8.344	6.944	17.00	-10.056



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-4.00	30.00	17.00
Mid	6175	-0.90	30.00	17.00
High	6415	-0.50	30.00	17.00

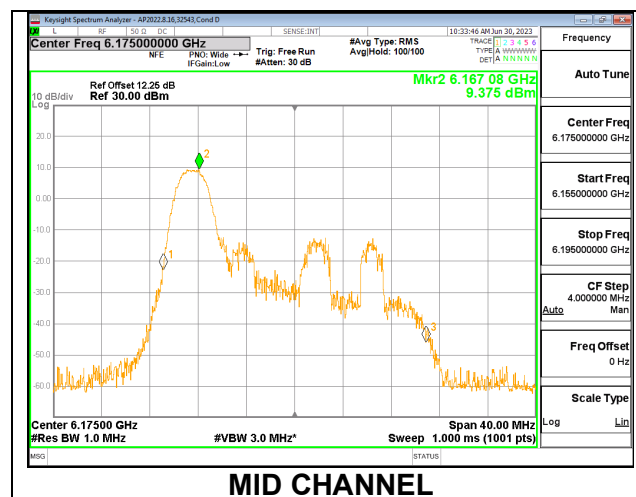
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.46	7.46	30.00	-22.54
Mid	6175	11.44	10.54	30.00	-19.46
High	6415	11.42	10.92	30.00	-19.08

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	5955	9.392	5.392	17.00	-11.608
Mid	6175	9.375	8.475	17.00	-8.525
High	6415	9.508	9.008	17.00	-7.992



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-4.00	30.00	17.00
Mid	6175	-0.90	30.00	17.00
High	6415	-0.50	30.00	17.00

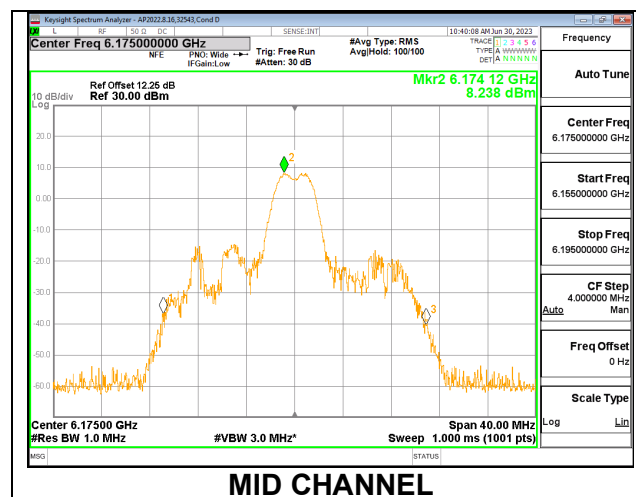
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.45	7.45	30.00	-22.55
Mid	6175	11.46	10.56	30.00	-19.44
High	6415	11.48	10.98	30.00	-19.02

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	5955	8.173	4.173	17.00	-12.827
Mid	6175	8.238	7.338	17.00	-9.662
High	6415	8.061	7.561	17.00	-9.439



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-4.00	30.00	17.00
Mid	6175	-0.90	30.00	17.00
High	6415	-0.50	30.00	17.00

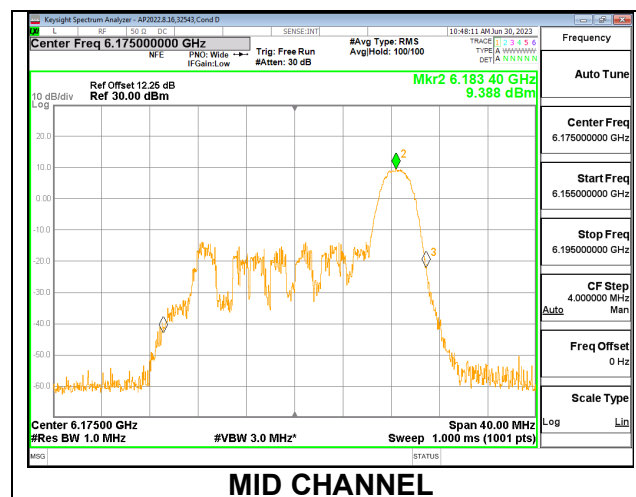
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.46	7.46	30.00	-22.54
Mid	6175	11.43	10.53	30.00	-19.47
High	6415	11.44	10.94	30.00	-19.06

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	5955	9.223	5.223	17.00	-11.777
Mid	6175	9.388	8.488	17.00	-8.512
High	6415	9.523	9.023	17.00	-7.977



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5955	-4.00	30.00	17.00
Mid	6175	-0.90	30.00	17.00
High	6415	-0.50	30.00	17.00

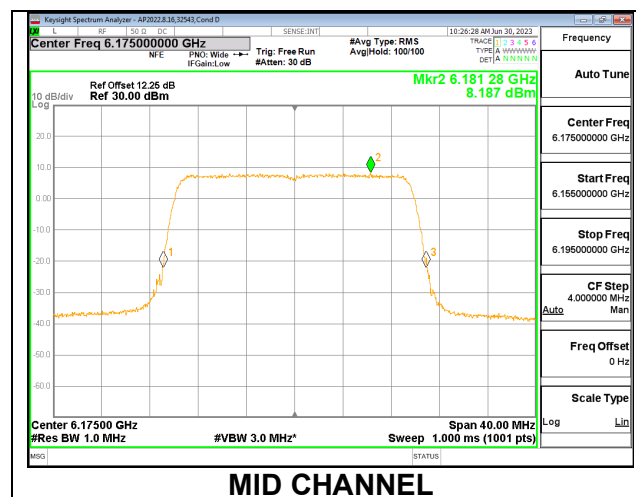
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	19.47	15.47	30.00	-14.53
Mid	6175	19.44	18.54	30.00	-11.46
High	6415	19.46	18.96	30.00	-11.04

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)
Low	5955	8.408	4.408	17.00	-12.592
Mid	6175	8.187	7.287	17.00	-9.713
High	6415	8.310	7.810	17.00	-9.190



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

Test Engineer:	32543
Test Date:	6/30/2023

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)
Low	5955	-3.24	-0.26	30.00	17.00
Mid	6175	-0.95	2.06	30.00	17.00
High	6415	-0.93	2.07	30.00	17.00

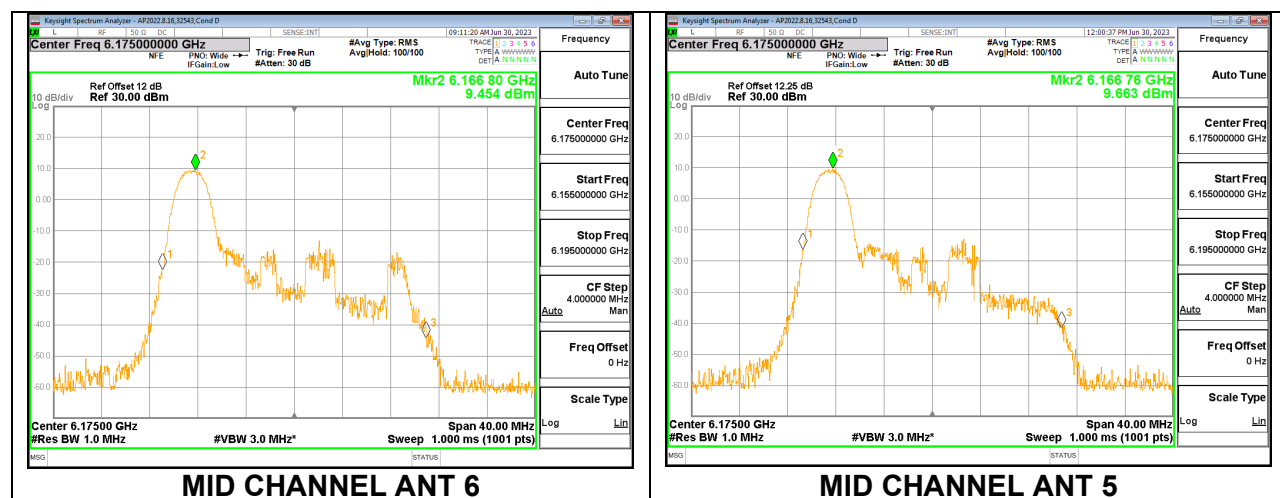
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.47	11.46	11.23	30.00	-18.77
Mid	6175	11.41	11.44	13.49	30.00	-16.51
High	6415	11.46	11.43	13.53	30.00	-16.47

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	5955	9.093	9.195	11.893	17.00	-5.107
Mid	6175	9.454	9.663	14.631	17.00	-2.369
High	6415	9.408	9.315	14.444	17.00	-2.556



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

Test Engineer:	32543
Test Date:	6/30/2023

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)
Low	5955	-3.24	-0.26	30.00	17.00
Mid	6175	-0.95	2.06	30.00	17.00
High	6415	-0.93	2.07	30.00	17.00

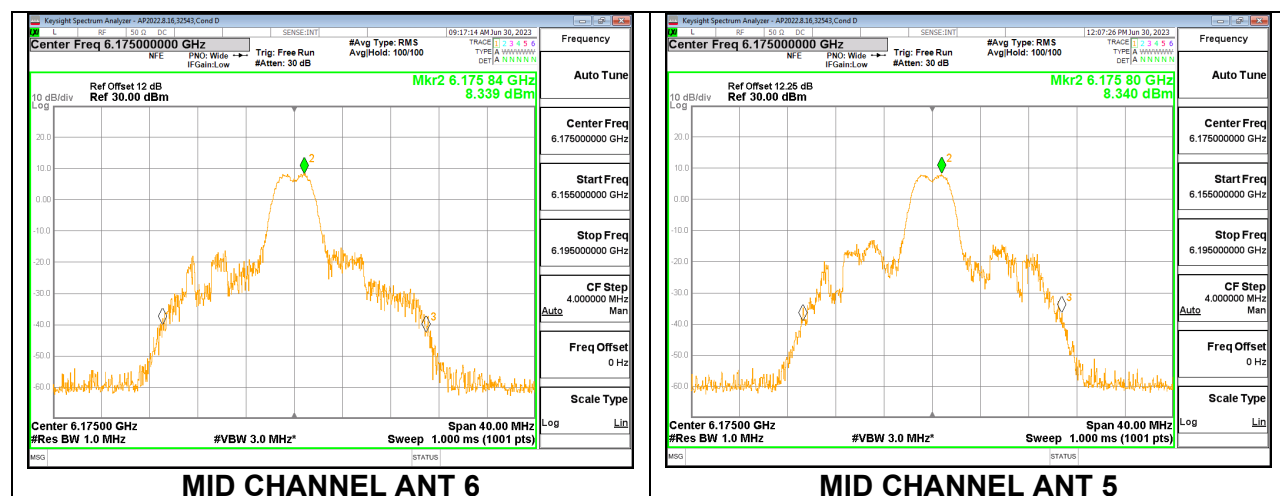
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.44	11.43	11.20	30.00	-18.80
Mid	6175	11.42	11.42	13.48	30.00	-16.52
High	6415	11.43	11.46	13.53	30.00	-16.47

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	5955	8.250	8.221	10.984	17.00	-6.016
Mid	6175	8.339	8.340	13.410	17.00	-3.590
High	6415	8.040	8.001	13.103	17.00	-3.897



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

Test Engineer:	32543
Test Date:	6/30/2023

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)
Low	5955	-3.24	-0.26	30.00	17.00
Mid	6175	-0.95	2.06	30.00	17.00
High	6415	-0.93	2.07	30.00	17.00

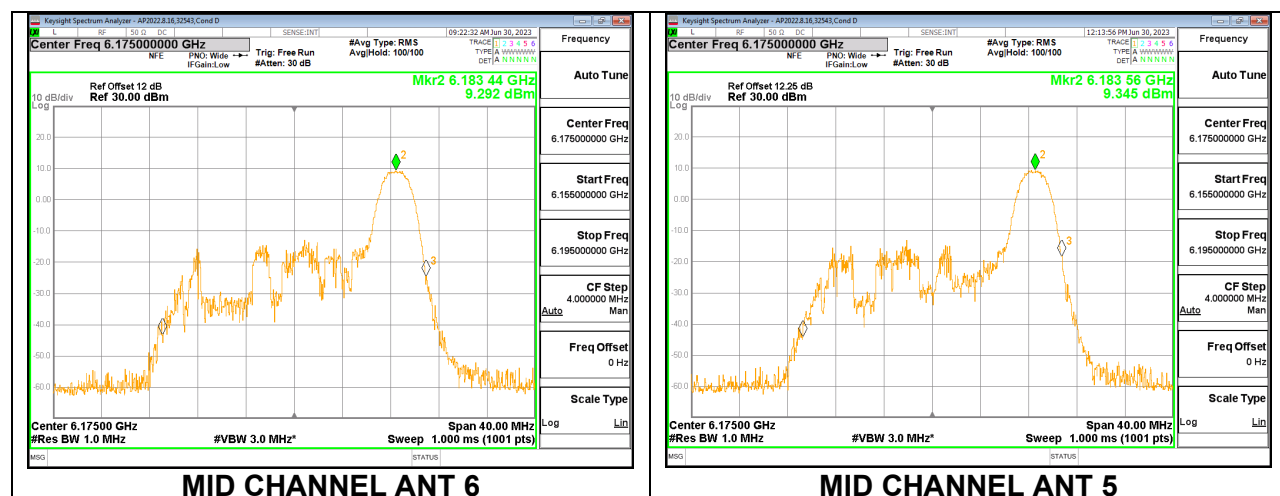
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	11.44	11.47	11.22	30.00	-18.78
Mid	6175	11.48	11.45	13.53	30.00	-16.47
High	6415	11.44	11.46	13.53	30.00	-16.47

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	5955	9.084	9.071	11.826	17.00	-5.174
Mid	6175	9.292	9.345	14.389	17.00	-2.611
High	6415	9.239	9.337	14.371	17.00	-2.629



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

Test Engineer:	32543
Test Date:	6/30/2023

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)
Low	5955	-3.24	-0.26	30.00	17.00
Mid	6175	-0.95	2.06	30.00	17.00
High	6415	-0.93	2.07	30.00	17.00

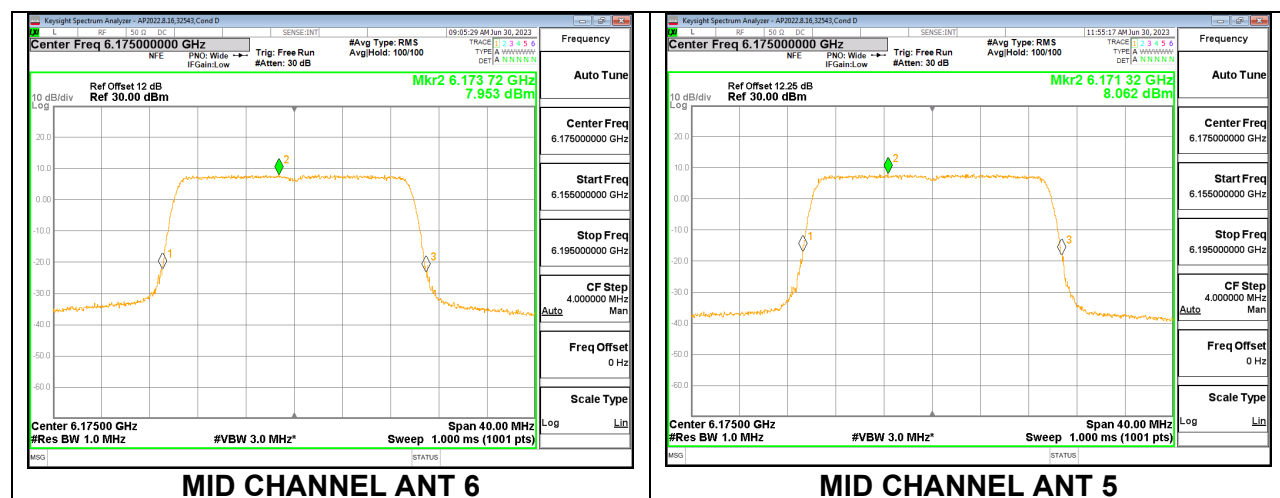
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5955	19.41	19.45	19.20	30.00	-10.80
Mid	6175	19.43	19.40	21.48	30.00	-8.52
High	6415	19.44	19.43	21.52	30.00	-8.48

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	5955	8.112	8.002	10.806	17.00	-6.194
Mid	6175	7.953	8.062	13.079	17.00	-3.921
High	6415	7.871	8.031	13.034	17.00	-3.966



9.4.2. 802.11ax HE40 MODE IN THE UNII-5 BAND

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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5965	-2.60	30.00	17.00
Mid	6165	-1.00	30.00	17.00
High	6405	-1.40	30.00	17.00

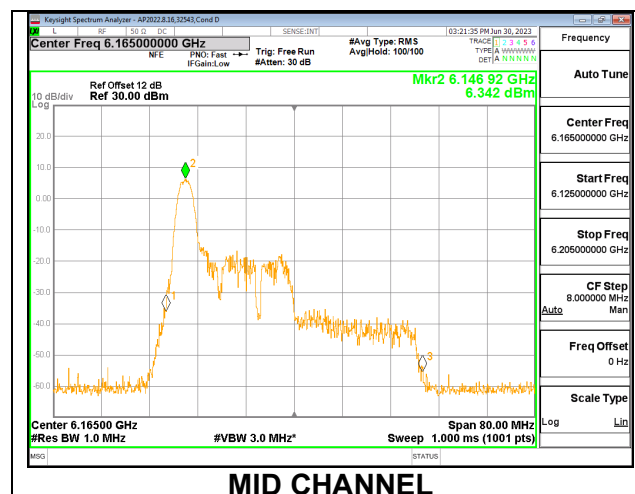
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5965	8.42	5.82	30.00	-24.18
Mid	6165	8.41	7.41	30.00	-22.59
High	6405	8.45	7.05	30.00	-22.95

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	5965	6.293	3.693	17.00	-13.307
Mid	6165	6.342	5.342	17.00	-11.658
High	6405	6.640	5.240	17.00	-11.760



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

Test Engineer:	32543
Test Date:	6/30/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)
Low	5965	-2.60	30.00	17.00
Mid	6165	-1.00	30.00	17.00
High	6405	-1.40	30.00	17.00

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

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total EIRP Corr'd Power (dBm)	EIRP Power Limit (dBm)	Power Margin (dB)
Low	5965	8.43	5.83	30.00	-24.17
Mid	6165	8.43	7.43	30.00	-22.57
High	6405	8.44	7.04	30.00	-22.96

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	5965	6.380	3.780	17.00	-13.220
Mid	6165	6.108	5.108	17.00	-11.892
High	6405	6.375	4.975	17.00	-12.025

