

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	23.36	-4.90	24.00	11.00

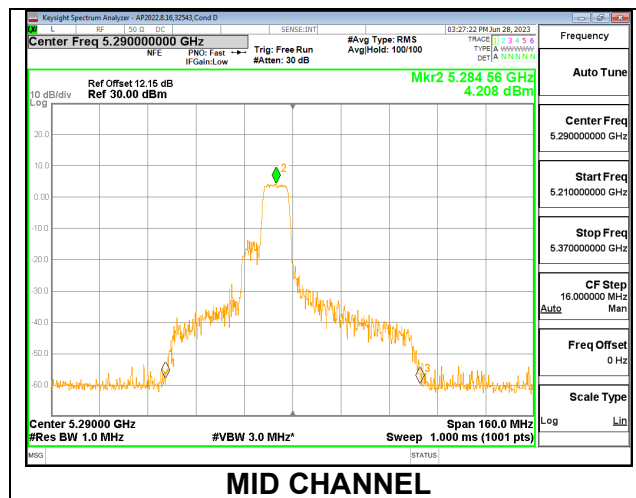
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.43	12.43	24.00	-11.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.208	4.208	11.00	-6.792



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	23.04	-4.90	24.00	11.00

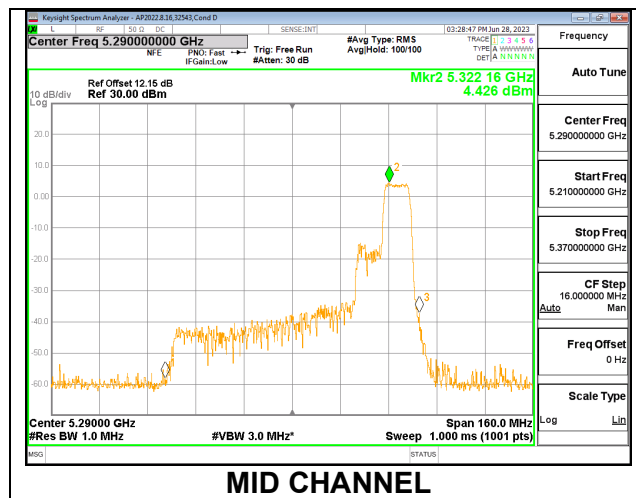
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.46	12.46	24.00	-11.54

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.426	4.426	11.00	-6.574



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	23560
Test Date:	6/3/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	82.24	-4.90	24.00	11.00

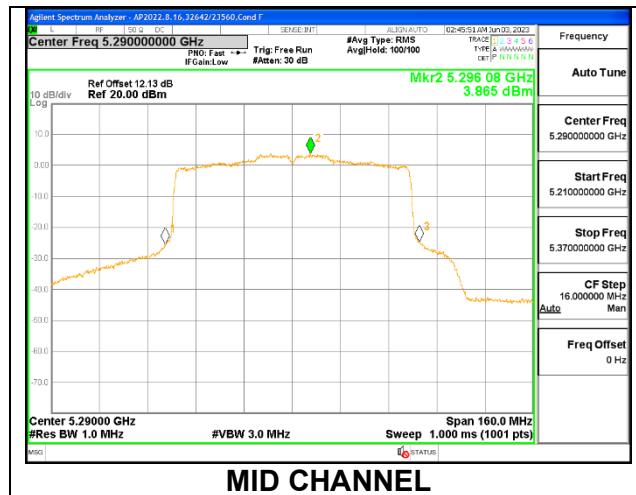
Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.95	16.95	24.00	-7.05

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	3.865	4.105	11.00	-6.895



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	19.79	-3.79	-0.83	23.96	11.00

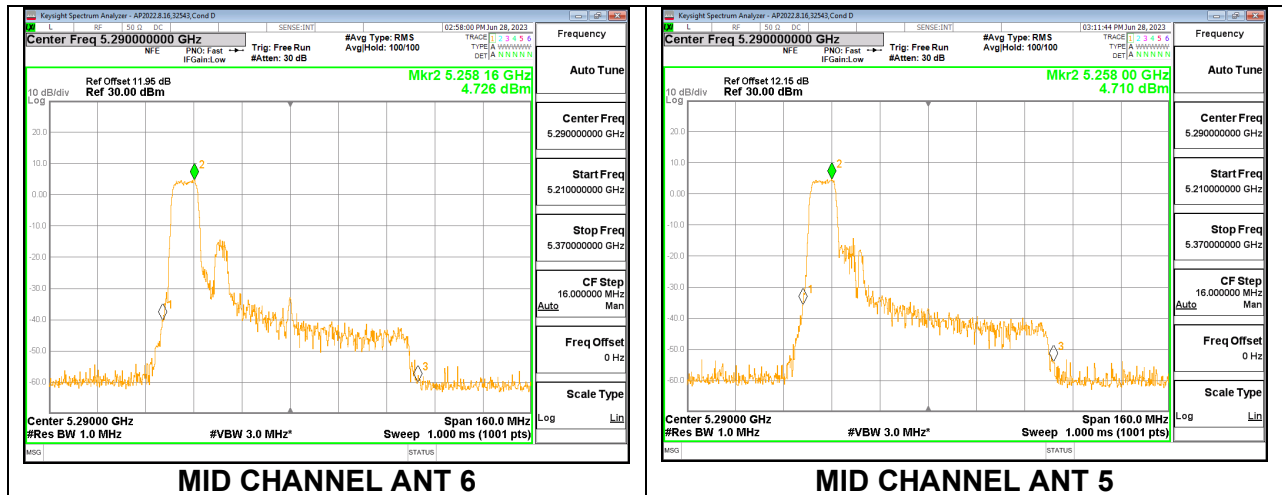
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.41	12.43	15.430	23.96	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.726	4.710	7.728	11.00	-3.272



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.88	-3.79	-0.83	24.00	11.00

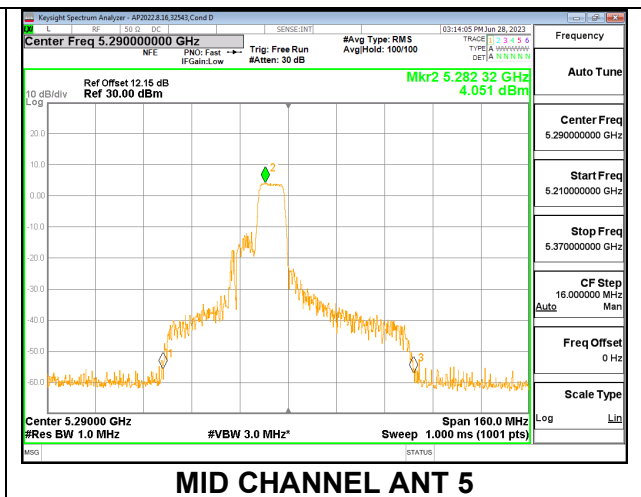
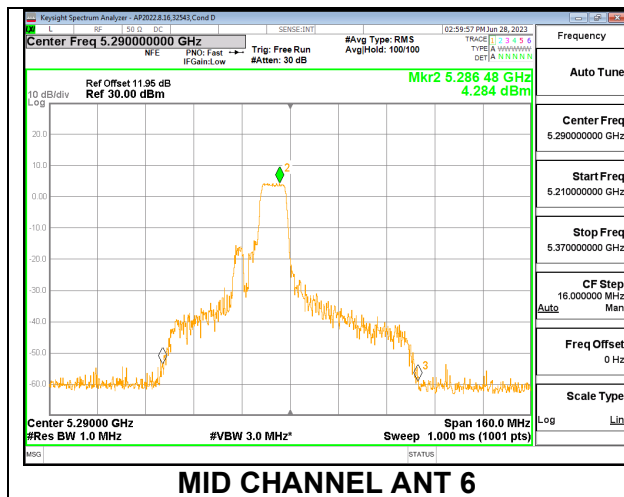
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.45	12.48	15.475	24.00	-8.52

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.282	4.051	7.178	11.00	-3.822



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.77	-3.79	-0.83	24.00	11.00

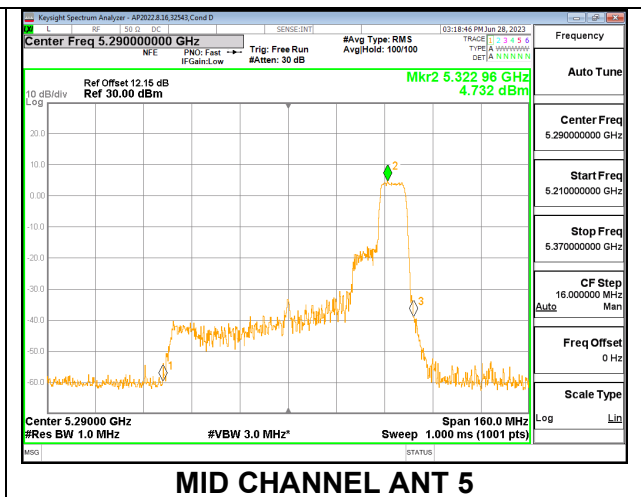
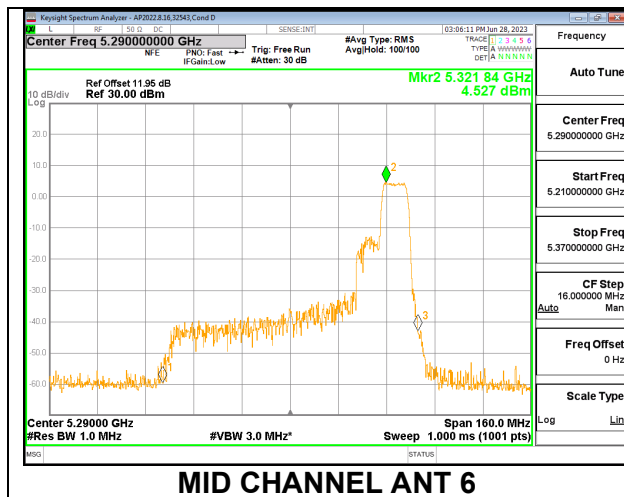
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.48	12.44	15.470	24.00	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	4.527	4.732	7.641	11.00	-3.359



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

Test Engineer:	23560
Test Date:	6/3/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.81	-3.79	-0.83	24.00	11.00

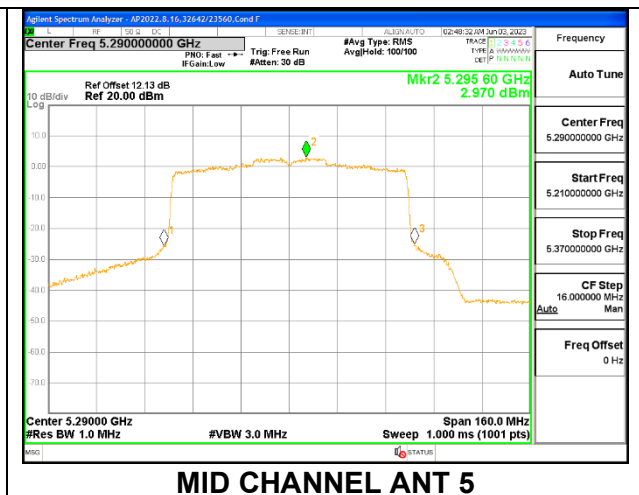
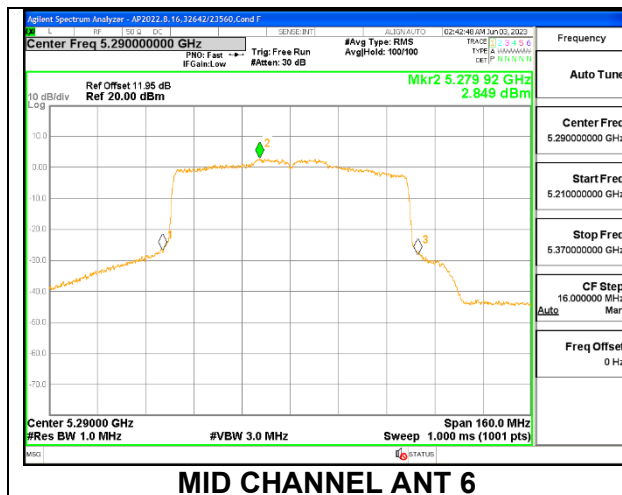
Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.95	15.98	18.98	24.00	-5.02

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	2.849	2.970	6.160	11.00	-4.840



9.4.14. 802.11ax HE160 MODE IN THE 5.3 GHz BAND

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.01	-2.90	24.00	11.00

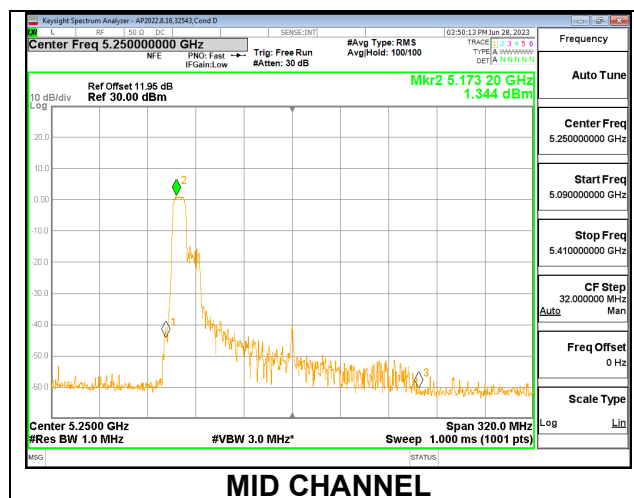
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.46	9.46	24.00	-14.54

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.344	1.344	11.00	-9.656



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	26.63	-2.90	24.00	11.00

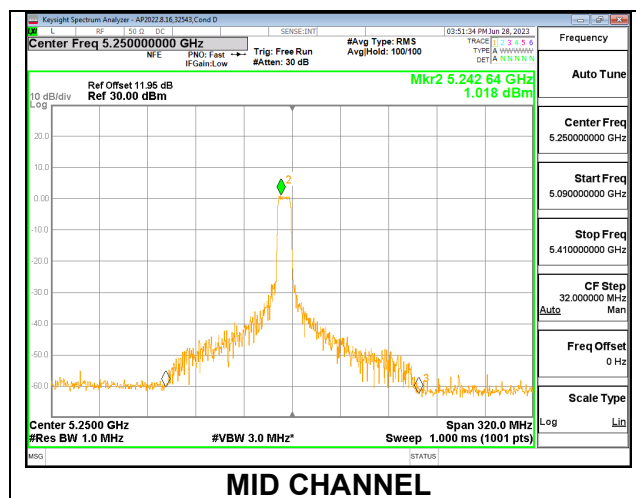
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.43	9.43	24.00	-14.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.018	1.018	11.00	-9.982



1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	23.82	-2.90	24.00	11.00

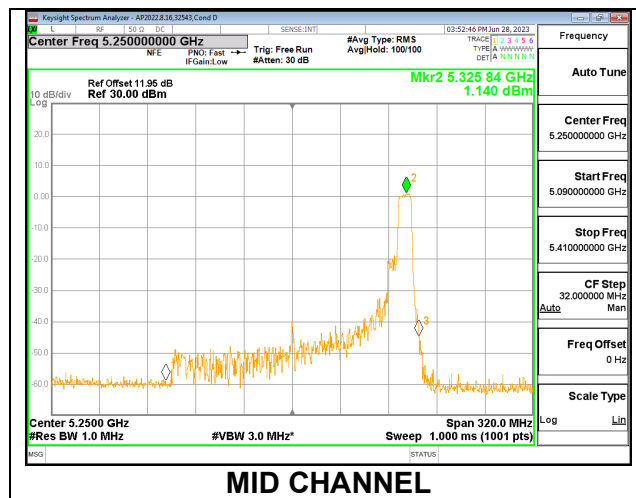
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.41	9.41	24.00	-14.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.140	1.140	11.00	-9.860



1TX Antenna 6 MODE (FCC) – SU Mode

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	164.60	-2.90	24.00	11.00

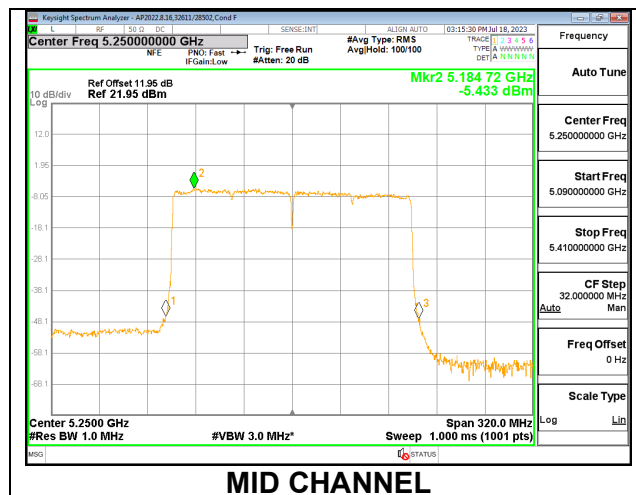
Duty Cycle CF (dB)	0.36	Included in Calculations of Corr'd PSD
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Output Power Results

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

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-5.433	-5.073	11.00	-16.073



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	21.79	-4.90	24.00	11.00

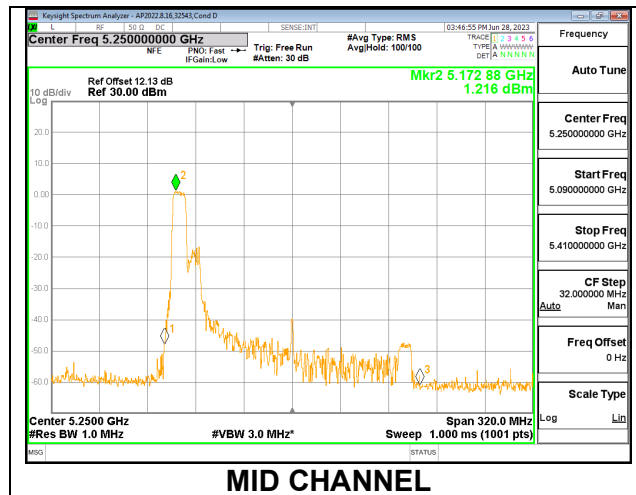
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.46	9.46	24.00	-14.54

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.216	1.216	11.00	-9.784



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	27.05	-4.90	24.00	11.00

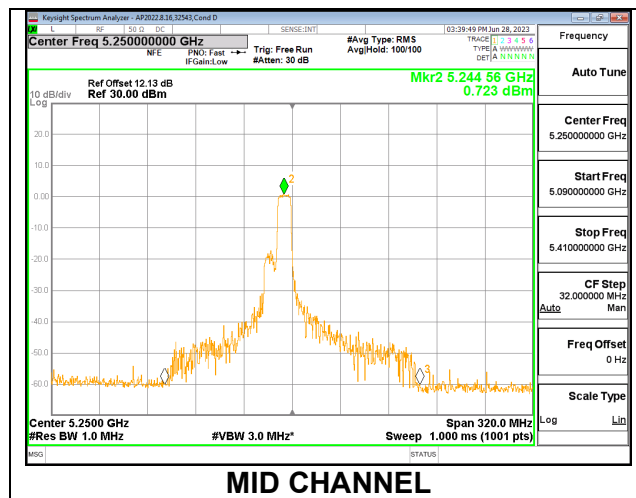
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.47	9.47	24.00	-14.53

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	0.723	0.723	11.00	-10.277



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	24.80	-4.90	24.00	11.00

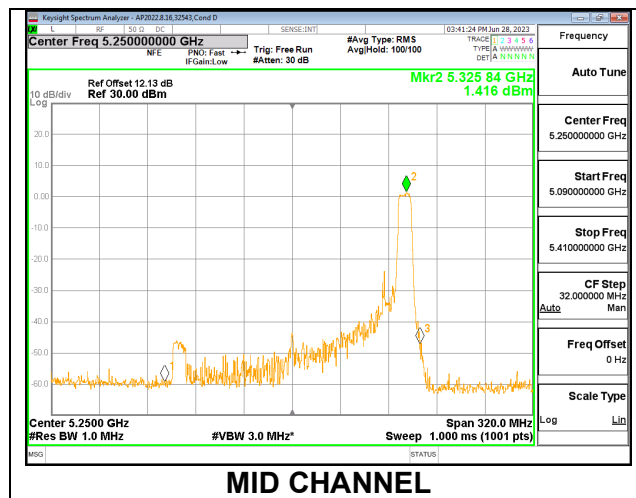
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.47	9.47	24.00	-14.53

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.416	1.416	11.00	-9.584



1TX Antenna 5 MODE (FCC) – SU Mode

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	166.30	-4.90	24.00	11.00

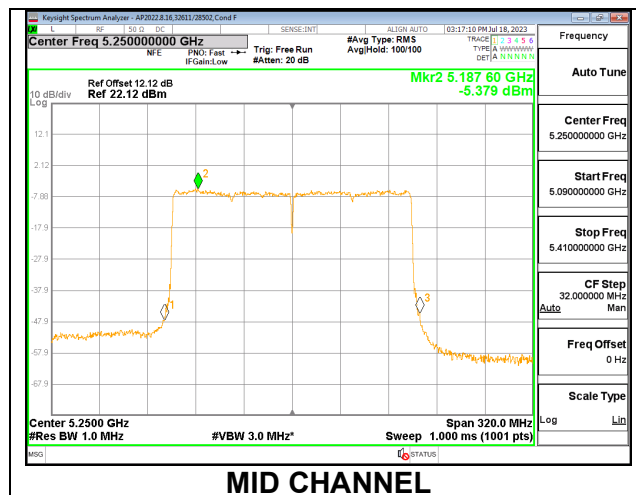
Duty Cycle CF (dB)	0.36	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.40	14.40	24.00	-9.60

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-5.379	-5.019	11.00	-16.019



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	21.37	-3.79	-0.83	24.00	11.00

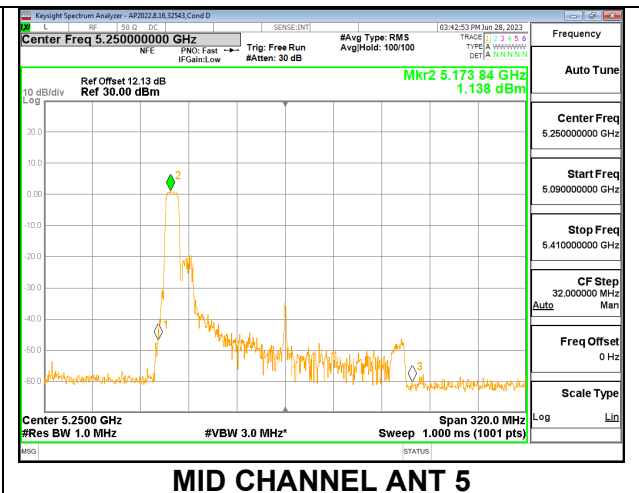
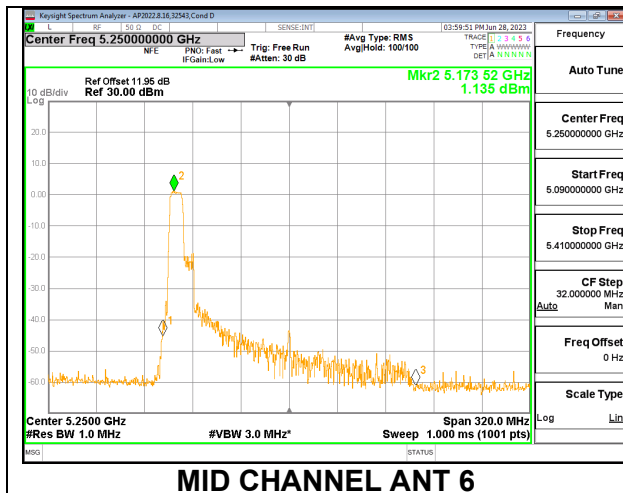
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.44	9.47	12.465	24.00	-11.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.135	1.138	4.147	11.00	-6.853



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	21.70	-3.79	-0.83	24.00	11.00

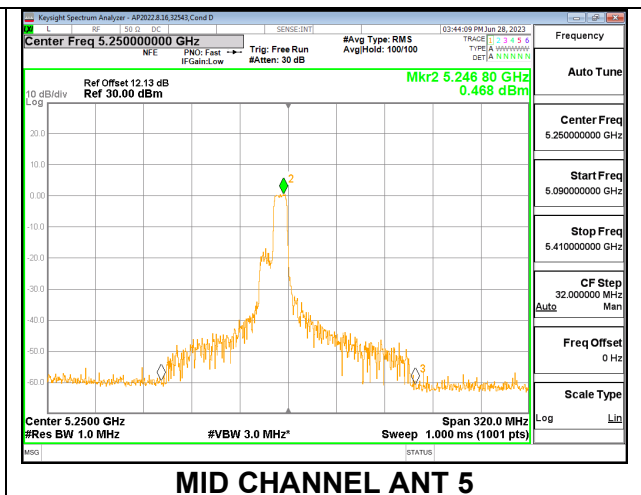
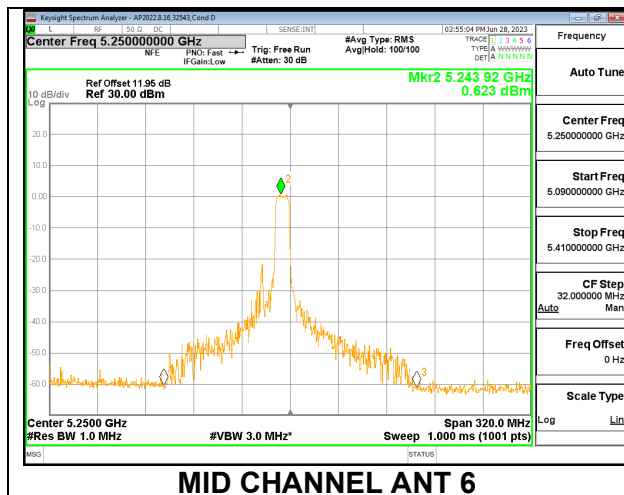
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.41	9.43	12.430	24.00	-11.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	0.623	0.468	3.556	11.00	-7.444



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	20.01	-3.79	-0.83	24.00	11.00

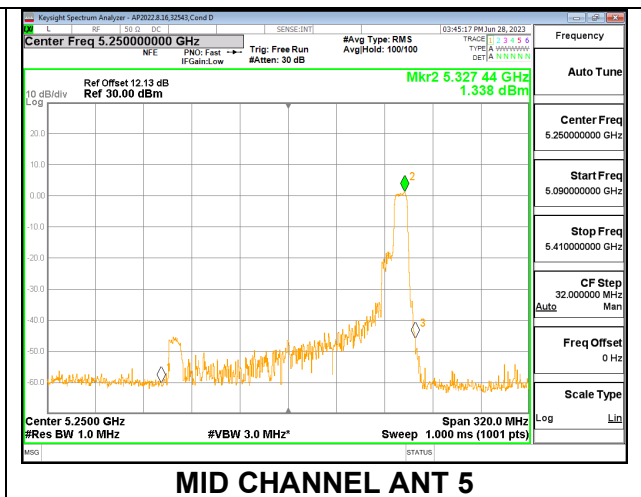
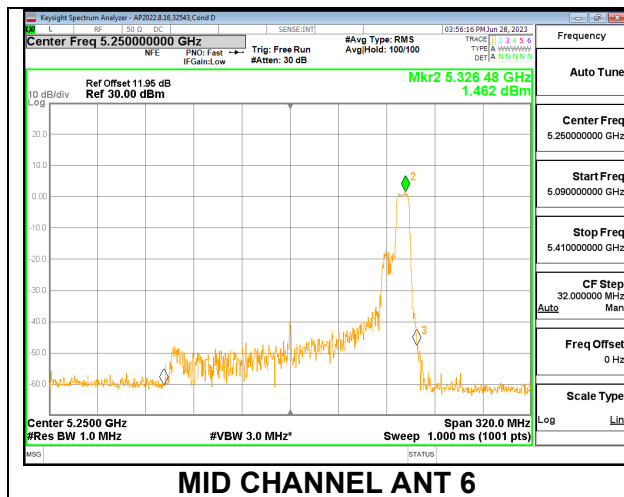
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.42	9.43	12.435	24.00	-11.56

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	1.462	1.338	4.411	11.00	-6.589



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	164.10	-3.79	-0.83	24.00	11.00

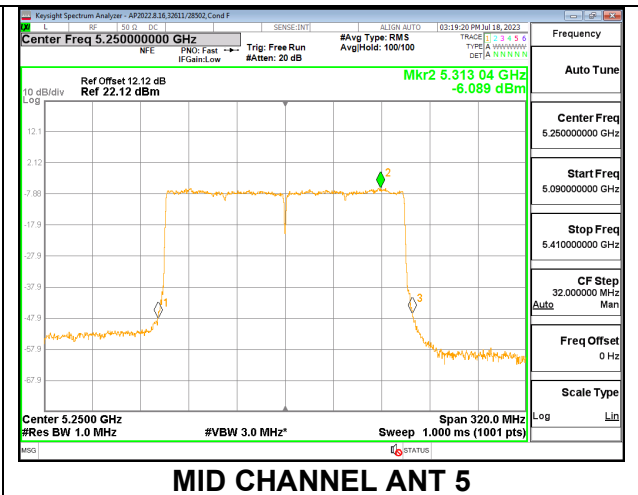
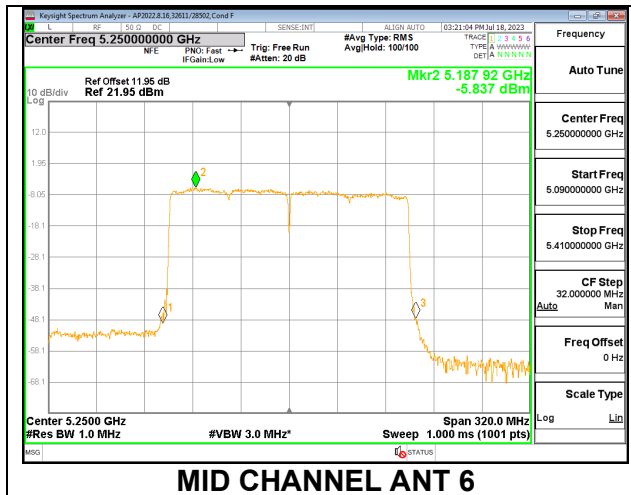
Duty Cycle CF (dB)	0.36	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	13.91	13.91	16.92	24.00	-7.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5250	-5.837	-6.089	-2.591	11.00	-13.591



9.4.15. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.95	-2.00	24.00	11.00
Mid	5580	20.88	-2.00	24.00	11.00
High	5700	21.63	-2.00	24.00	11.00
144	5720	15.43	-2.00	22.88	11.00

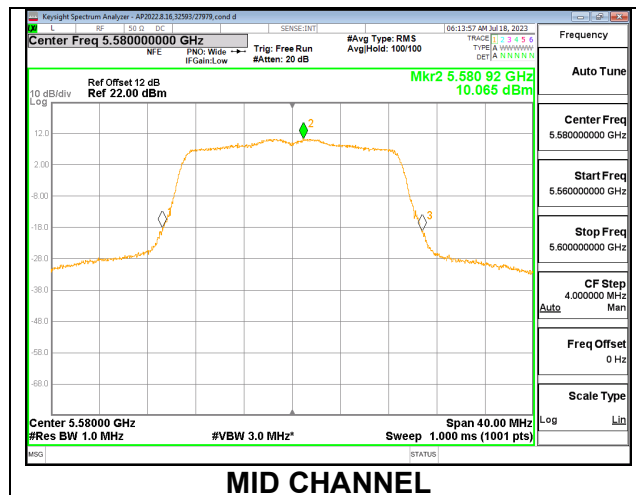
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	19.40	19.40	24.00	-4.60
Mid	5580	19.48	19.48	24.00	-4.52
High	5700	16.95	16.95	24.00	-7.05
144	5720	19.46	19.46	22.88	-3.42

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.919	9.919	11.00	-1.081
Mid	5580	10.065	10.065	11.00	-0.935
High	5700	7.954	7.954	11.00	-3.046
144	5720	9.703	9.703	11.00	-1.297



1TX Antenna 5 MODE (FCC)

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.19	-3.80	24.00	11.00
Mid	5580	20.73	-3.80	24.00	11.00
High	5700	21.19	-3.80	24.00	11.00
144	5720	15.61	-3.80	22.93	11.00

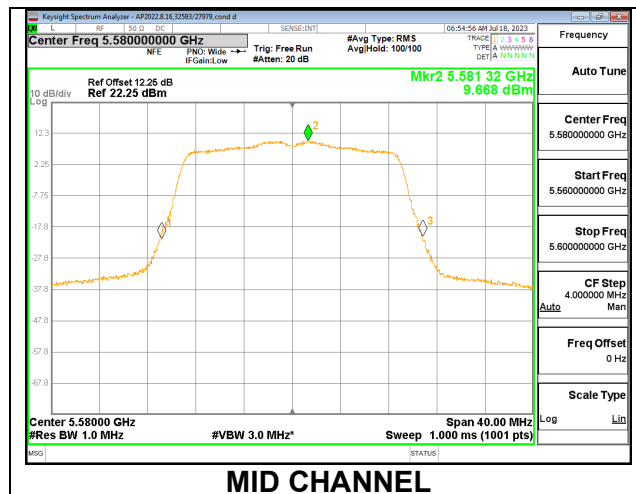
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	19.46	19.46	24.00	-4.54
Mid	5580	19.47	19.47	24.00	-4.53
High	5700	16.96	16.96	24.00	-7.04
144	5720	19.44	19.44	22.93	-3.49

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.826	9.826	11.00	-1.174
Mid	5580	9.668	9.668	11.00	-1.332
High	5700	7.923	7.923	11.00	-3.077
144	5720	9.750	9.750	11.00	-1.250



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

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.03	-2.81	0.16	24.00	11.00
Mid	5580	20.77	-2.81	0.16	24.00	11.00
High	5700	21.03	-2.81	0.16	24.00	11.00
144	5720	20.73	-2.81	0.16	24.00	11.00

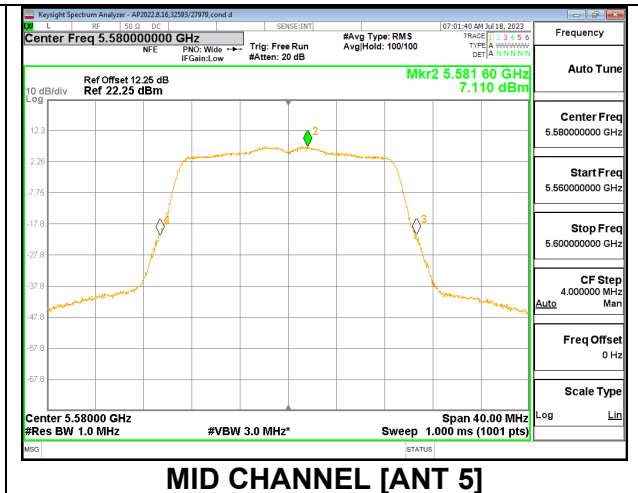
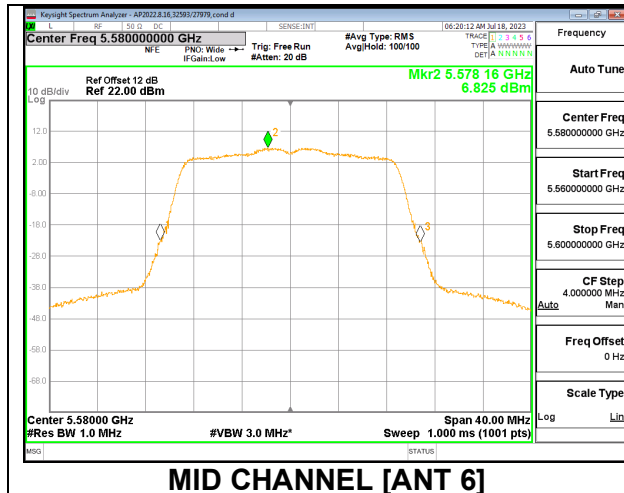
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	16.46	16.43	19.46	24.00	-4.54
Mid	5580	16.43	16.48	19.47	24.00	-4.53
High	5700	16.46	16.42	19.45	24.00	-4.55
144	5720	16.43	16.47	19.46	24.00	-4.54

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	7.035	7.090	10.073	11.00	-0.927
Mid	5580	6.825	7.110	9.980	11.00	-1.020
High	5700	7.119	7.145	10.142	11.00	-0.858
144	5720	6.856	6.813	9.845	11.00	-1.155



9.4.16. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	45.46	-2.00	24.00	11.00
Mid	5550	40.80	-2.00	24.00	11.00
High	5670	42.60	-2.00	24.00	11.00
142	5710	40.42	-2.00	24.00	11.00

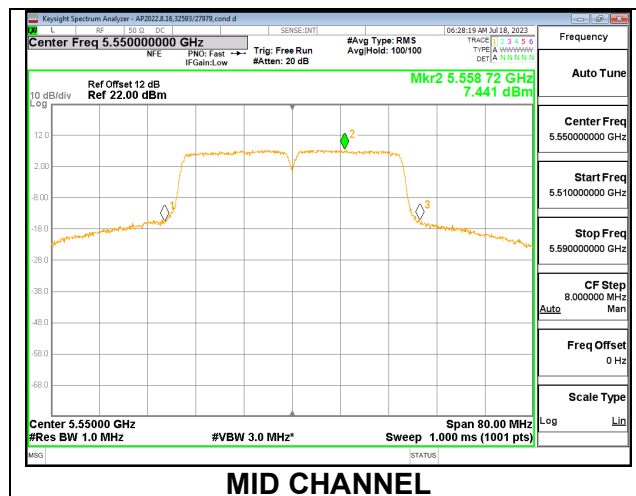
Duty Cycle CF (dB)	0.10	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.89	15.89	24.00	-8.11
Mid	5550	20.38	20.38	24.00	-3.62
High	5670	19.47	19.47	24.00	-4.53
142	5710	20.46	20.46	24.00	-3.54

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	2.612	2.712	11.00	-8.288
Mid	5550	7.441	7.541	11.00	-3.459
High	5670	6.880	6.980	11.00	-4.020
142	5710	7.112	7.212	11.00	-3.788



1TX Antenna 5 MODE (FCC)

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	42.50	-3.80	24.00	11.00
Mid	5550	39.98	-3.80	24.00	11.00
High	5670	40.48	-3.80	24.00	11.00
142	5710	40.29	-3.80	24.00	11.00

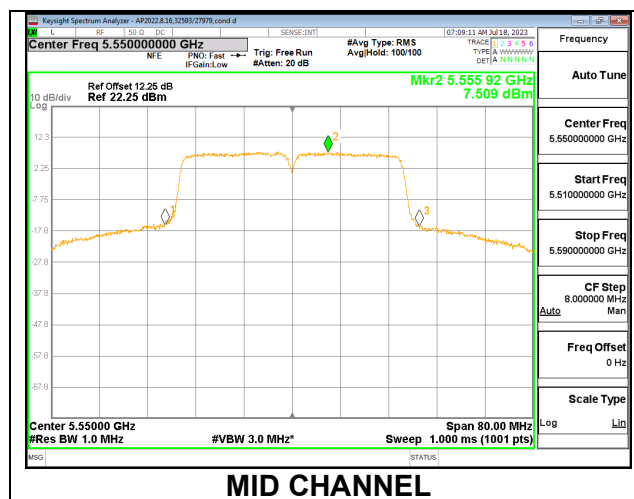
Duty Cycle CF (dB)	0.10	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.94	15.94	24.00	-8.06
Mid	5550	20.45	20.45	24.00	-3.55
High	5670	19.40	19.40	24.00	-4.60
142	5710	20.40	20.40	24.00	-3.60

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	2.915	3.015	11.00	-7.985
Mid	5550	7.509	7.609	11.00	-3.391
High	5670	6.719	6.819	11.00	-4.181
142	5710	7.153	7.253	11.00	-3.747



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

Test Engineer:	27979
Test Date:	7/18/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	41.39	-2.81	0.16	24.00	11.00
Mid	5550	40.42	-2.81	0.16	24.00	11.00
High	5670	41.17	-2.81	0.16	24.00	11.00
142	5710	40.27	-2.81	0.16	24.00	11.00

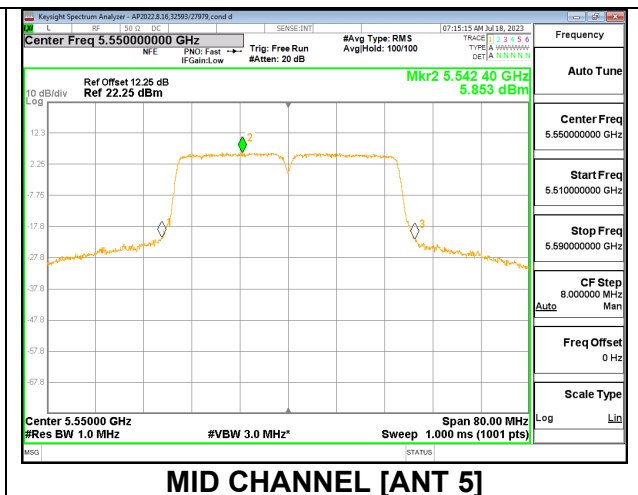
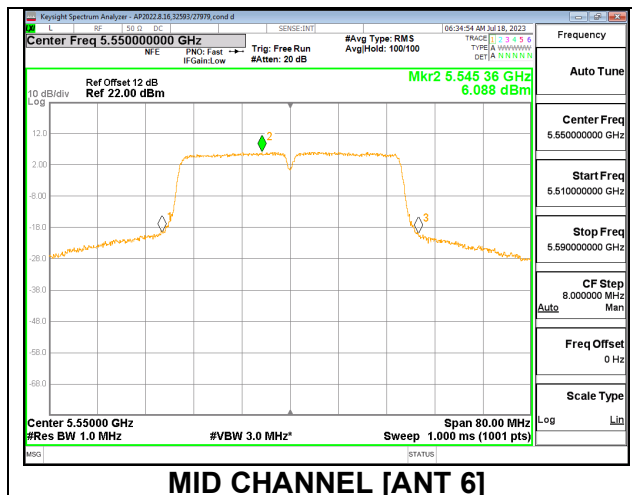
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.88	14.95	17.93	24.00	-6.07
Mid	5550	18.97	18.88	21.94	24.00	-2.06
High	5670	18.90	18.97	21.95	24.00	-2.05
142	5710	18.88	18.95	21.93	24.00	-2.07

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	1.869	2.055	5.073	11.00	-5.93
Mid	5550	6.088	5.853	9.082	11.00	-1.92
High	5670	6.063	5.819	9.053	11.00	-1.95
142	5710	6.069	5.890	9.091	11.00	-1.91



9.4.17. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE (FCC)

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	80.84	-2.00	24.00	11.00
High	5610	85.84	-2.00	24.00	11.00
138	5690	79.96	-2.00	24.00	11.00

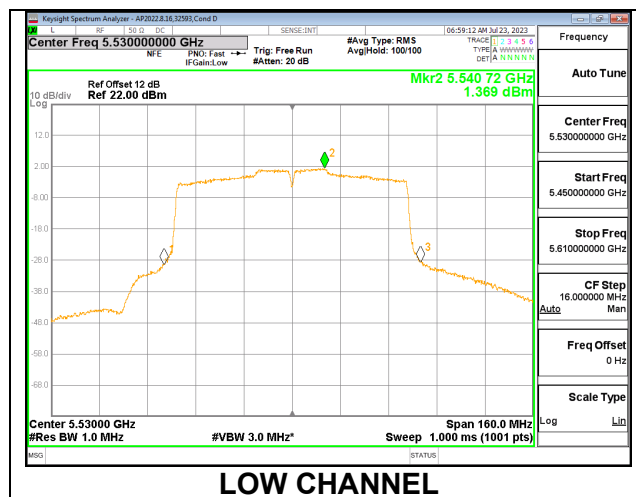
Duty Cycle CF (dB)	0.20	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.98	16.98	24.00	-7.02
High	5610	20.44	20.44	24.00	-3.56
138	5690	20.40	20.40	24.00	-3.60

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	1.369	1.569	11.00	-9.431
High	5610	5.037	5.237	11.00	-5.763
138	5690	4.751	4.951	11.00	-6.049



1TX Antenna 5 MODE (FCC)

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	81.61	-3.80	24.00	11.00
High	5610	81.95	-3.80	24.00	11.00
138	5690	81.13	-3.80	24.00	11.00

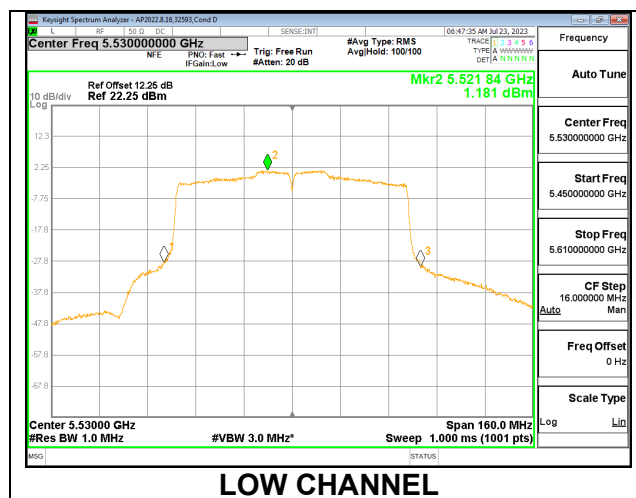
Duty Cycle CF (dB)	0.20	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.89	16.89	24.00	-7.11
High	5610	20.47	20.47	24.00	-3.53
138	5690	20.40	20.40	24.00	-3.60

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	1.181	1.381	11.00	-9.619
High	5610	5.060	5.260	11.00	-5.740
138	5690	4.760	4.960	11.00	-6.040



LOW CHANNEL

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	80.96	-2.81	0.16	24.00	11.00
High	5610	80.42	-2.81	0.16	24.00	11.00
138	5690	79.96	-2.81	0.16	24.00	11.00

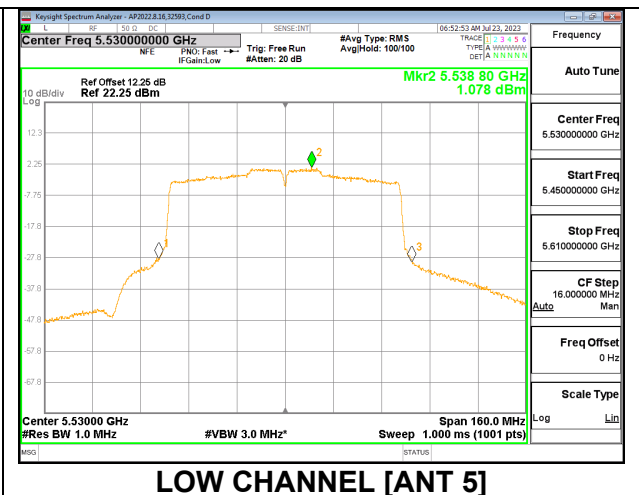
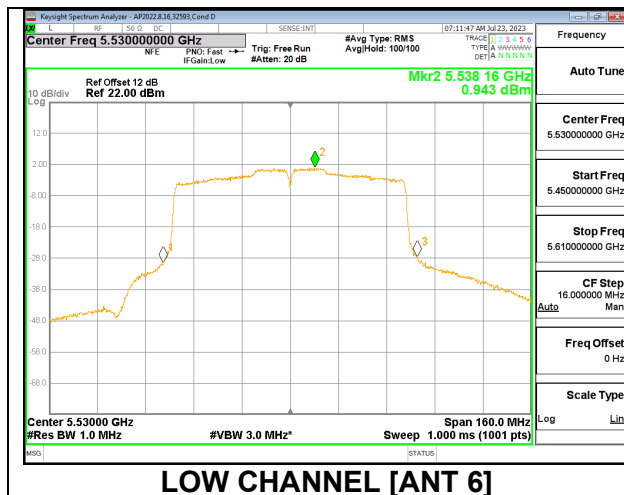
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.45	16.46	19.47	24.00	-4.53
High	5610	19.94	19.91	22.94	24.00	-1.06
138	5690	19.92	19.90	22.92	24.00	-1.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	0.943	1.078	4.221	11.00	-6.779
High	5610	4.464	4.331	7.608	11.00	-3.392
138	5690	4.404	4.296	7.561	11.00	-3.439



9.4.18. 802.11ac VHT160 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	163.60	-2.00	24.00	11.00

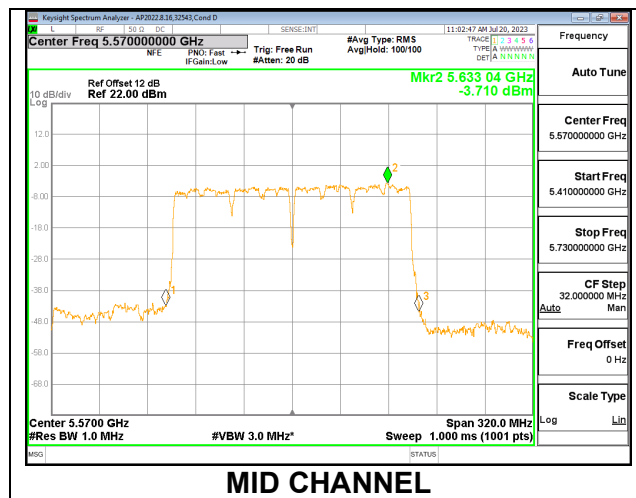
Duty Cycle CF (dB)	0.33	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	15.40	15.40	24.00	-8.60

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-3.710	-3.380	11.00	-14.380



MID CHANNEL

1TX Antenna 5 MODE (FCC)

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	163.50	-3.80	24.00	11.00

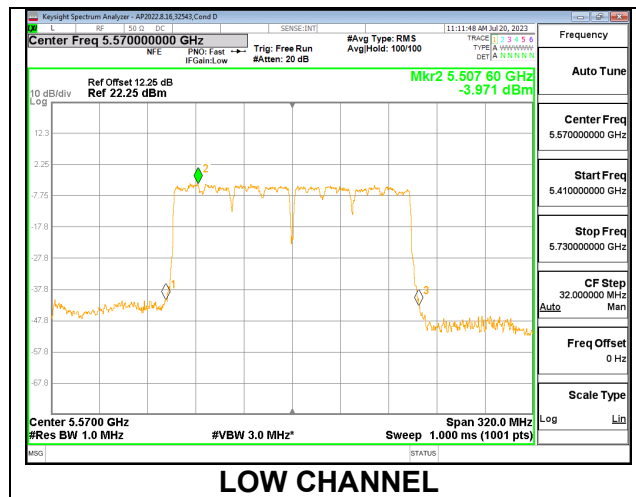
Duty Cycle CF (dB)	0.33	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	15.43	15.43	24.00	-8.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-3.971	-3.641	11.00	-14.641



LOW CHANNEL

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

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	163.00	-2.81	0.16	24.00	11.00

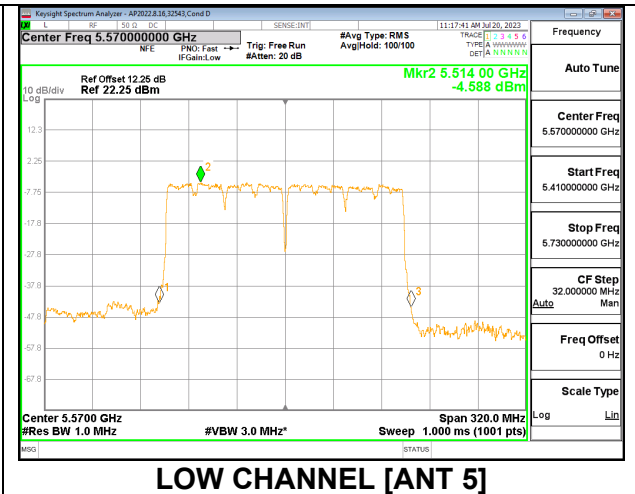
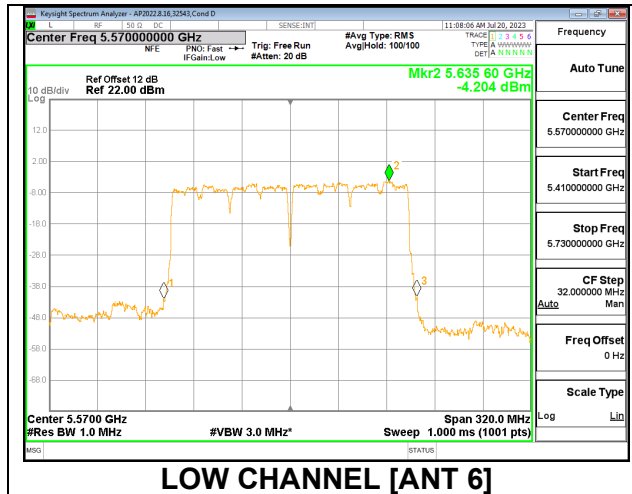
Duty Cycle CF (dB)	0.33	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	14.92	14.97	17.96	24.00	-6.04

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-4.204	-4.588	-1.051	11.00	-12.051



9.4.19. 802.11ax HE20 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	20.000	-2.0	24.00	11.00
Mid	5580	20.440	-2.0	24.00	11.00
High	5700	20.120	-2.0	24.00	11.00
144	5720	15.265	-2.0	22.84	11.00

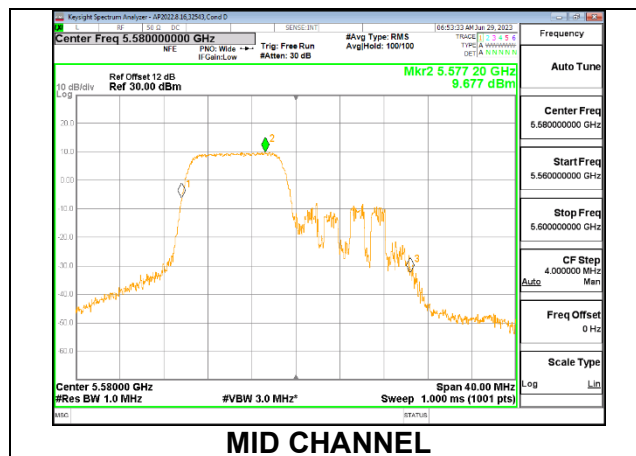
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.47	17.47	24.00	-6.53
Mid	5580	17.43	17.43	24.00	-6.57
High	5700	15.40	15.40	24.00	-8.60
144	5720	17.41	17.41	22.84	-5.43

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	9.672	9.672	11.00	-1.328
Mid	5580	9.677	9.677	11.00	-1.323
High	5700	7.837	7.837	11.00	-3.163
144	5720	9.494	9.494	11.00	-1.506



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.62	-2.00	24.00	11.00
Mid	5580	20.91	-2.00	24.00	11.00
High	5700	20.75	-2.00	24.00	11.00
144	5720	15.45	-2.00	22.89	11.00

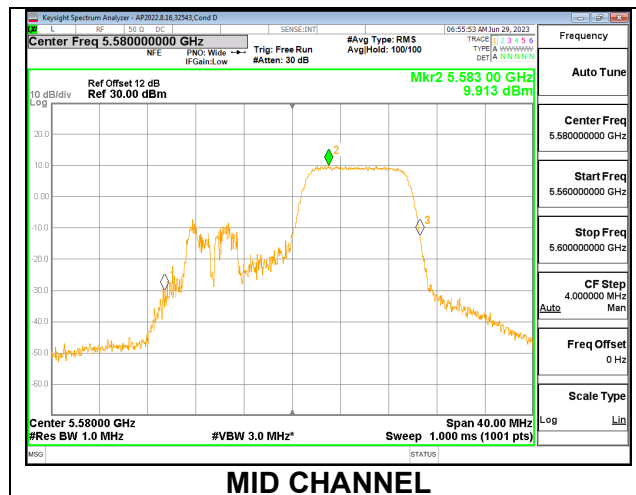
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.43	17.43	24.00	-6.57
Mid	5580	17.43	17.43	24.00	-6.57
High	5700	15.40	15.40	24.00	-8.60
144	5720	17.48	17.48	22.89	-5.41

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.944	9.944	11.00	-1.056
Mid	5580	9.913	9.913	11.00	-1.087
High	5700	7.726	7.726	11.00	-3.274
144	5720	9.791	9.791	11.00	-1.209



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	6/7/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.92	-2.00	24.00	11.00
Mid	5580	20.71	-2.00	24.00	11.00
High	5700	20.80	-2.00	24.00	11.00
144	5720	15.24	-2.00	22.83	11.00

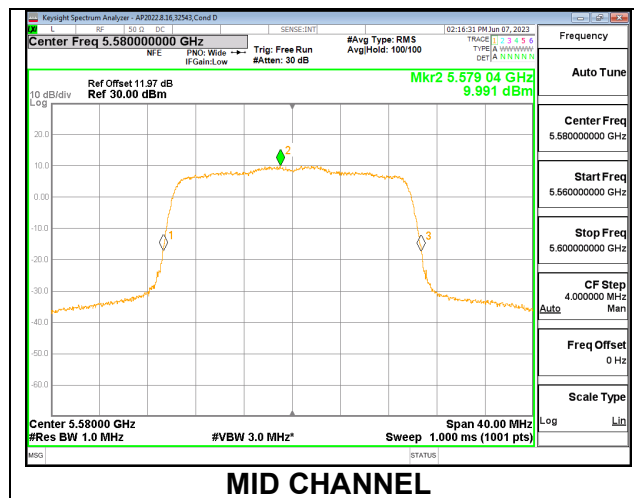
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.91	18.91	24.00	-5.09
Mid	5580	19.41	19.41	24.00	-4.59
High	5700	16.45	16.45	24.00	-7.55
144	5720	19.42	19.42	22.83	-3.41

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.365	9.365	11.00	-1.635
Mid	5580	9.991	9.991	11.00	-1.009
High	5700	6.919	6.919	11.00	-4.081
144	5720	9.757	9.757	11.00	-1.243



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.43	-3.80	24.00	11.00
Mid	5580	20.32	-3.80	24.00	11.00
High	5700	20.17	-3.80	24.00	11.00
144	5720	15.01	-3.80	22.76	11.00

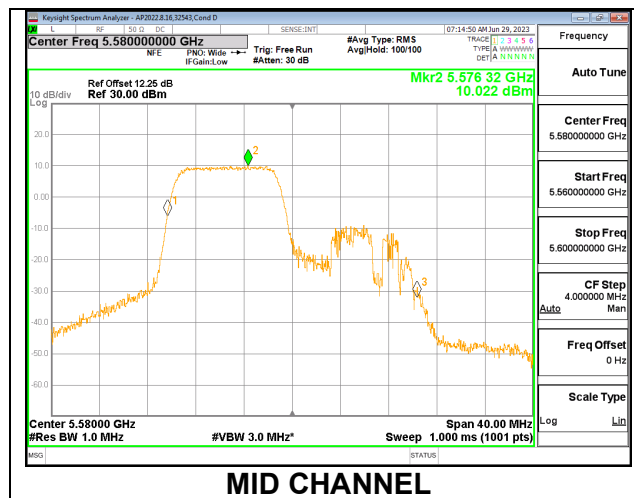
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.42	17.42	24.00	-6.58
Mid	5580	17.45	17.45	24.00	-6.55
High	5700	15.39	15.39	24.00	-8.61
144	5720	17.43	17.43	22.76	-5.33

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.756	9.756	11.00	-1.244
Mid	5580	10.022	10.022	11.00	-0.978
High	5700	7.814	7.814	11.00	-3.186
144	5720	9.665	9.665	11.00	-1.335



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.64	-3.80	24.00	11.00
Mid	5580	20.92	-3.80	24.00	11.00
High	5700	20.74	-3.80	24.00	11.00
144	5720	15.36	-3.80	22.86	11.00

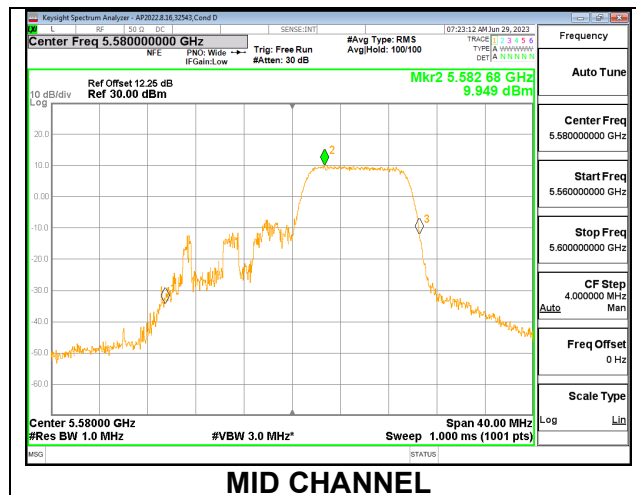
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.44	17.44	24.00	-6.56
Mid	5580	17.42	17.42	24.00	-6.58
High	5700	15.41	15.41	24.00	-8.59
144	5720	17.48	17.48	22.86	-5.38

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.797	9.797	11.00	-1.203
Mid	5580	9.949	9.949	11.00	-1.051
High	5700	7.812	7.812	11.00	-3.188
144	5720	9.621	9.621	11.00	-1.379



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	6/7/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.05	-3.80	24.00	11.00
Mid	5580	20.60	-3.80	24.00	11.00
High	5700	21.62	-3.80	24.00	11.00
144	5720	15.41	-3.80	22.88	11.00

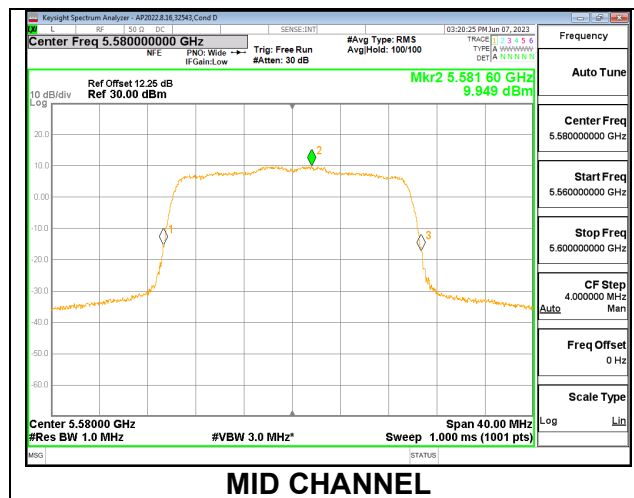
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.97	18.97	24.00	-5.03
Mid	5580	19.46	19.46	24.00	-4.54
High	5700	16.36	16.36	24.00	-7.64
144	5720	19.45	19.45	22.88	-3.43

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.138	9.138	11.00	-1.862
Mid	5580	9.949	9.949	11.00	-1.051
High	5700	6.608	6.608	11.00	-4.392
144	5720	9.669	9.669	11.00	-1.331



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

Test Engineer:	32543
Test Date:	6/7/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.17	-2.81	0.16	24.00	11.00
Mid	5580	20.32	-2.81	0.16	24.00	11.00
High	5700	20.37	-2.81	0.16	24.00	11.00
144	5720	15.11	-2.81	0.16	22.79	11.00

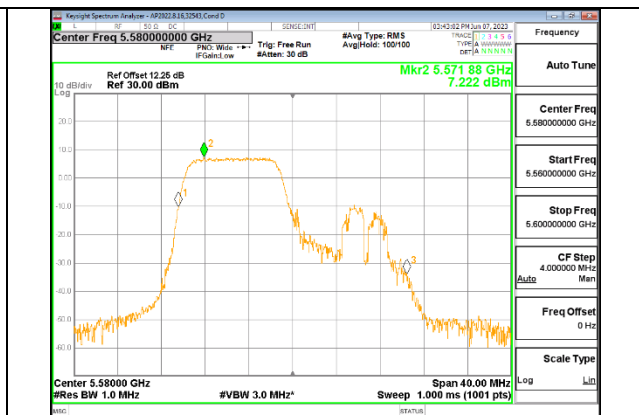
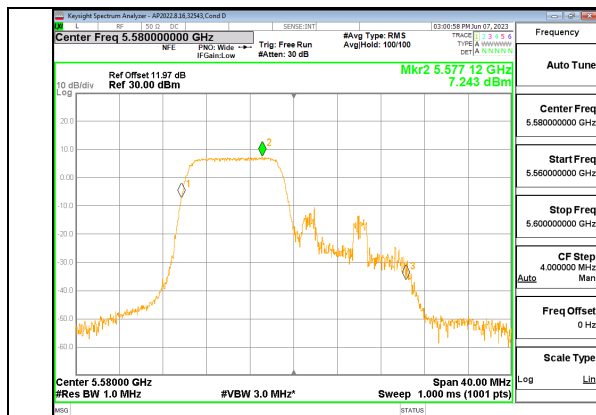
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	14.41	14.37	17.40	24.00	-6.60
Mid	5580	14.45	14.45	17.46	24.00	-6.54
High	5700	14.41	14.38	17.41	24.00	-6.59
144	5720	14.47	14.43	17.46	22.79	-5.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	7.192	7.097	10.155	11.00	-0.845
Mid	5580	7.243	7.222	10.243	11.00	-0.757
High	5700	7.212	6.980	10.108	11.00	-0.892
144	5720	6.853	6.909	9.891	11.00	-1.109



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

Test Engineer:	32543
Test Date:	6/7/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.75	-2.81	0.16	24.00	11.00
Mid	5580	20.44	-2.81	0.16	24.00	11.00
High	5700	20.31	-2.81	0.16	24.00	11.00
144	5720	14.83	-2.81	0.16	22.71	11.00

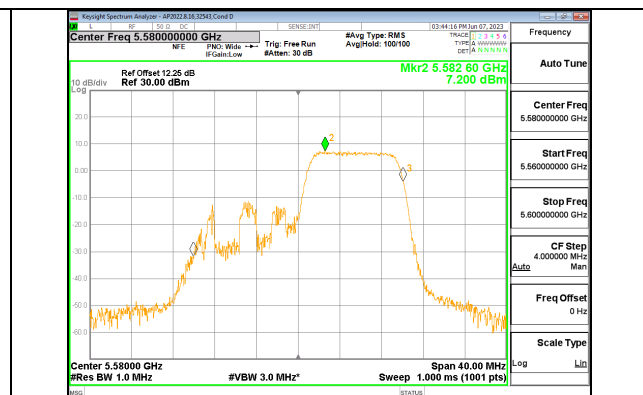
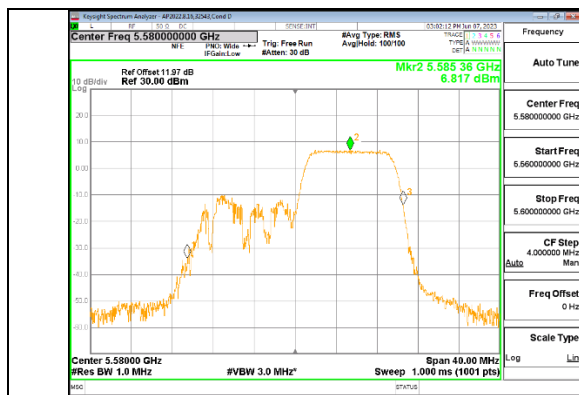
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	14.41	14.43	17.43	24.00	-6.57
Mid	5580	14.31	14.48	17.41	24.00	-6.59
High	5700	14.38	14.48	17.44	24.00	-6.56
144	5720	14.47	14.44	17.47	22.71	-5.25

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	7.041	7.096	10.079	11.00	-0.921
Mid	5580	6.817	7.200	10.023	11.00	-0.977
High	5700	7.046	6.824	9.947	11.00	-1.053
144	5720	6.823	6.825	9.834	11.00	-1.166



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

Test Engineer:	32543
Test Date:	6/7/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.19	-2.81	0.16	24.00	11.00
Mid	5580	20.88	-2.81	0.16	24.00	11.00
High	5700	20.95	-2.81	0.16	24.00	11.00
144	5720	15.28	-2.81	0.16	22.84	11.00

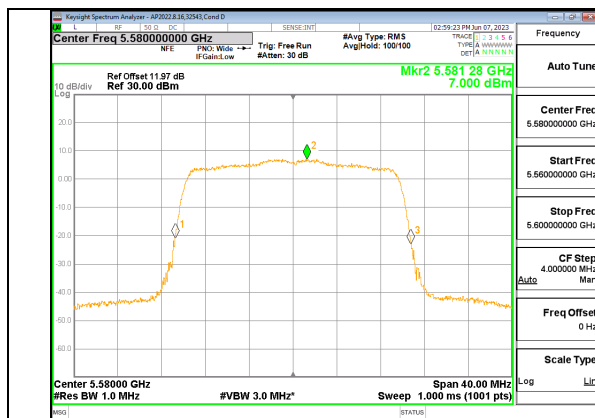
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

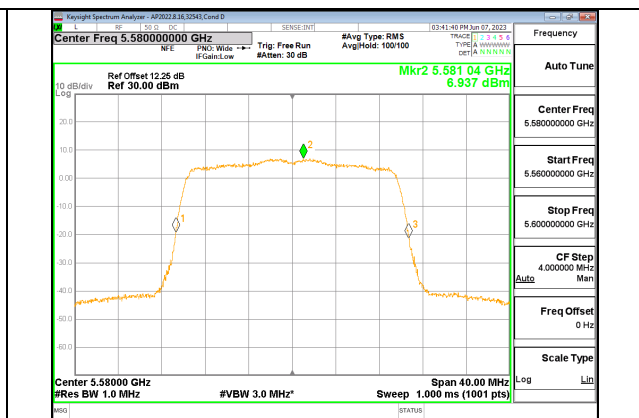
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	16.45	16.44	19.46	24.00	-4.54
Mid	5580	16.43	16.44	19.45	24.00	-4.55
High	5700	15.91	15.90	18.92	24.00	-5.08
144	5720	16.48	16.47	19.49	22.84	-3.36

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	7.023	6.692	9.871	11.00	-1.129
Mid	5580	7.000	6.937	9.979	11.00	-1.021
High	5700	6.110	6.240	9.186	11.00	-1.814
144	5720	6.996	7.047	10.032	11.00	-0.968



MID CHANNEL [ANT 6]



MID CHANNEL [ANT 5]

9.4.20. 802.11ax HE40 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	21.52	-2.00	24.00	11.00
Mid	5550	21.75	-2.00	24.00	11.00
High	5670	21.78	-2.00	24.00	11.00
142	5710	25.72	-2.00	24.00	11.00

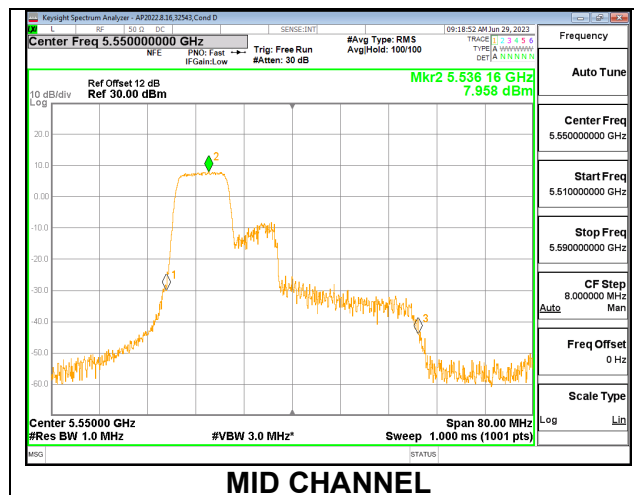
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.93	14.93	24.00	-9.07
Mid	5550	15.47	15.47	24.00	-8.53
High	5670	15.40	15.40	24.00	-8.60
142	5710	15.40	15.40	24.00	-8.60

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.307	6.307	11.00	-4.693
Mid	5550	7.958	7.958	11.00	-3.042
High	5670	8.352	8.352	11.00	-2.648
142	5710	8.356	8.356	11.00	-2.644



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	27.12	-2.00	24.00	11.00
Mid	5550	28.04	-2.00	24.00	11.00
High	5670	21.87	-2.00	24.00	11.00
142	5710	26.15	-2.00	24.00	11.00

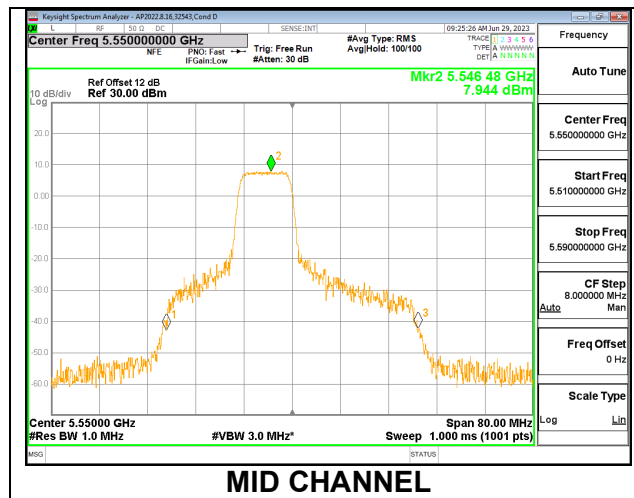
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.93	14.93	24.00	-9.07
Mid	5550	15.44	15.44	24.00	-8.56
High	5670	15.44	15.44	24.00	-8.56
142	5710	15.47	15.47	24.00	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	5.697	5.697	11.00	-5.303
Mid	5550	7.944	7.944	11.00	-3.056
High	5670	7.633	7.633	11.00	-3.367
142	5710	7.847	7.847	11.00	-3.153



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	21.87	-2.00	24.00	11.00
Mid	5550	22.07	-2.00	24.00	11.00
High	5670	22.01	-2.00	24.00	11.00
142	5710	22.37	-2.00	24.00	11.00

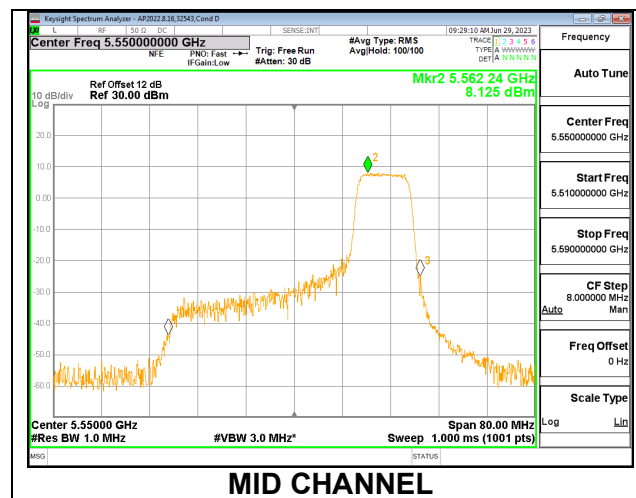
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.97	14.97	24.00	-9.03
Mid	5550	15.46	15.46	24.00	-8.54
High	5670	15.47	15.47	24.00	-8.53
142	5710	15.41	15.41	24.00	-8.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.252	6.252	11.00	-4.748
Mid	5550	8.125	8.125	11.00	-2.875
High	5670	8.063	8.063	11.00	-2.937
142	5710	8.009	8.009	11.00	-2.991



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	26118
Test Date:	6/4/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	40.51	-2.00	24.00	11.00
Mid	5550	40.54	-2.00	24.00	11.00
High	5670	42.14	-2.00	24.00	11.00
142	5710	40.73	-2.00	24.00	11.00

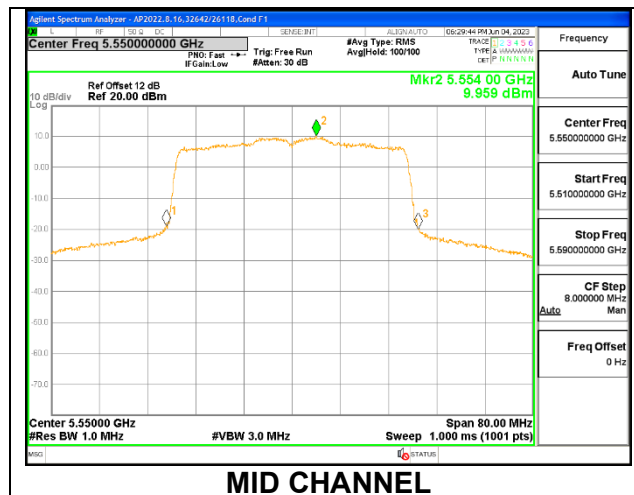
Duty Cycle CF (dB)	0.13	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.95	15.95	24.00	-8.05
Mid	5550	20.42	20.42	24.00	-3.58
High	5670	18.95	18.95	24.00	-5.05
142	5710	20.45	20.45	24.00	-3.55

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	5.184	5.314	11.00	-5.686
Mid	5550	9.959	10.089	11.00	-0.911
High	5670	8.038	8.168	11.00	-2.832
142	5710	9.722	9.852	11.00	-1.148



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.79	-3.80	24.00	11.00
Mid	5550	21.55	-3.80	24.00	11.00
High	5670	20.91	-3.80	24.00	11.00
142	5710	21.02	-3.80	24.00	11.00

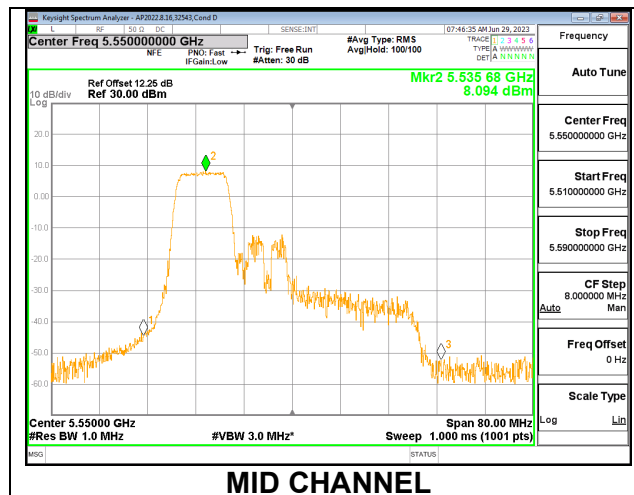
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.92	14.92	24.00	-9.08
Mid	5550	15.45	15.45	24.00	-8.55
High	5670	15.48	15.48	24.00	-8.52
142	5710	15.47	15.47	24.00	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.024	6.024	11.00	-4.976
Mid	5550	8.094	8.094	11.00	-2.906
High	5670	8.058	8.058	11.00	-2.942
142	5710	8.166	8.166	11.00	-2.834



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	27.46	-3.80	24.00	11.00
Mid	5550	25.28	-3.80	24.00	11.00
High	5670	26.80	-3.80	24.00	11.00
142	5710	28.44	-3.80	24.00	11.00

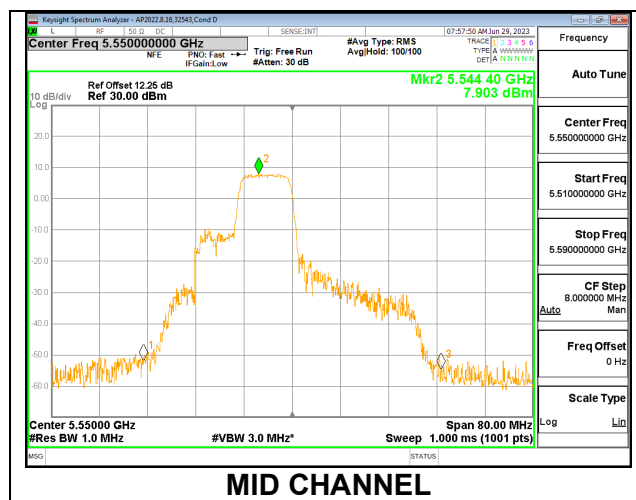
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.91	14.91	24.00	-9.09
Mid	5550	15.45	15.45	24.00	-8.55
High	5670	15.47	15.47	24.00	-8.53
142	5710	15.43	15.43	24.00	-8.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	5.684	5.684	11.00	-5.316
Mid	5550	7.903	7.903	11.00	-3.097
High	5670	7.984	7.984	11.00	-3.016
142	5710	7.676	7.676	11.00	-3.324



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	21.01	-3.80	24.00	11.00
Mid	5550	22.24	-3.80	24.00	11.00
High	5670	22.94	-3.80	24.00	11.00
142	5710	22.49	-3.80	24.00	11.00

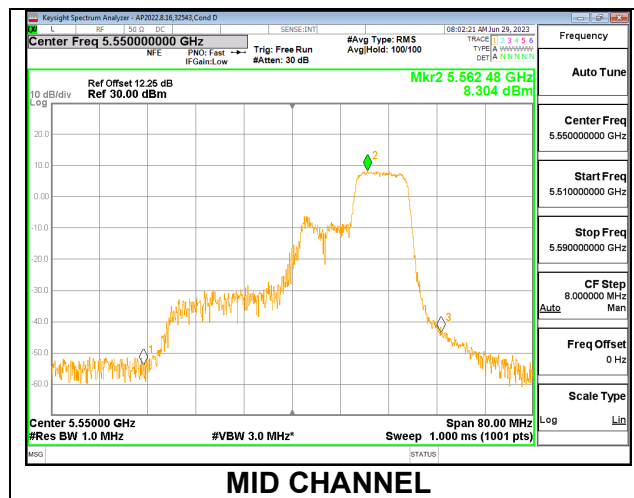
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.93	14.93	24.00	-9.07
Mid	5550	15.45	15.45	24.00	-8.55
High	5670	15.48	15.48	24.00	-8.52
142	5710	15.47	15.47	24.00	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.305	6.305	11.00	-4.695
Mid	5550	8.304	8.304	11.00	-2.696
High	5670	8.345	8.345	11.00	-2.655
142	5710	8.026	8.026	11.00	-2.974



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	26118
Test Date:	6/4/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	47.97	-3.80	24.00	11.00
Mid	5550	40.46	-3.80	24.00	11.00
High	5670	43.04	-3.80	24.00	11.00
142	5710	40.72	-3.80	24.00	11.00

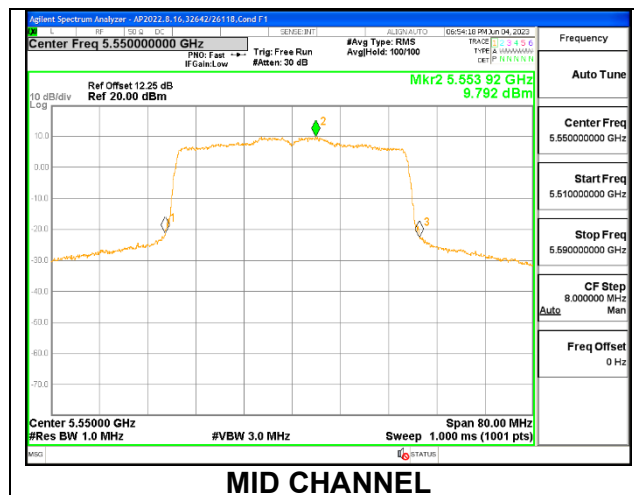
Duty Cycle CF (dB)	0.13	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.91	15.91	24.00	-8.09
Mid	5550	20.40	20.40	24.00	-3.60
High	5670	18.94	18.94	24.00	-5.06
142	5710	20.45	20.45	24.00	-3.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	5.356	5.486	11.00	-5.514
Mid	5550	9.792	9.922	11.00	-1.078
High	5670	7.824	7.954	11.00	-3.046
142	5710	9.732	9.862	11.00	-1.138



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.82	-2.81	0.16	24.00	11.00
Mid	5550	20.71	-2.81	0.16	24.00	11.00
High	5670	20.40	-2.81	0.16	24.00	11.00
142	5710	20.29	-2.81	0.16	24.00	11.00

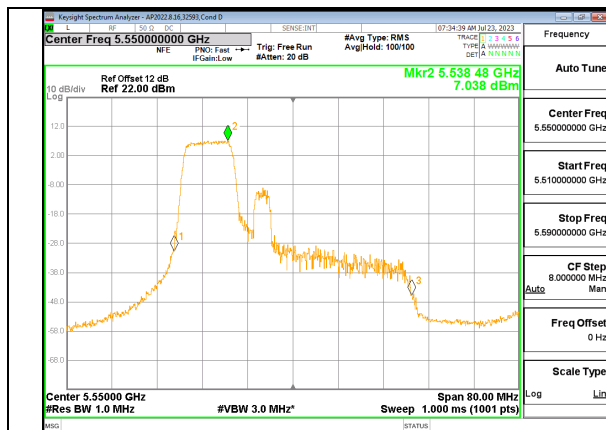
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

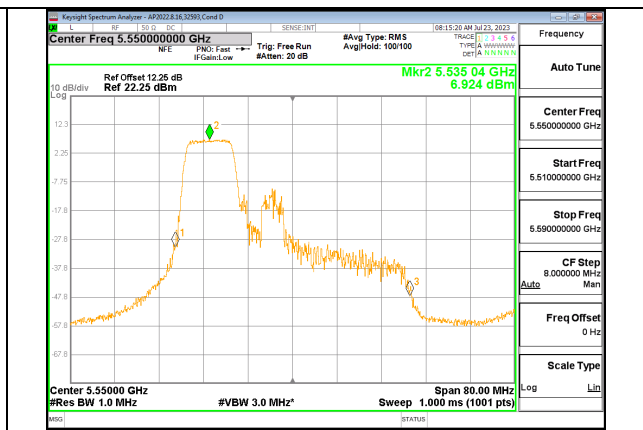
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.41	14.40	17.42	24.00	-6.58
Mid	5550	14.40	14.42	17.42	24.00	-6.58
High	5670	14.42	14.45	17.45	24.00	-6.55
142	5710	14.45	14.44	17.46	24.00	-6.54

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.832	6.993	9.924	11.00	-1.076
Mid	5550	7.038	6.924	9.992	11.00	-1.008
High	5670	6.949	6.991	9.980	11.00	-1.020
142	5710	6.617	6.751	9.695	11.00	-1.305



MID CHANNEL [ANT 6]



MID CHANNEL [ANT 5]

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	25.38	-2.81	0.16	24.00	11.00
Mid	5550	24.77	-2.81	0.16	24.00	11.00
High	5670	26.81	-2.81	0.16	24.00	11.00
142	5710	23.10	-2.81	0.16	24.00	11.00

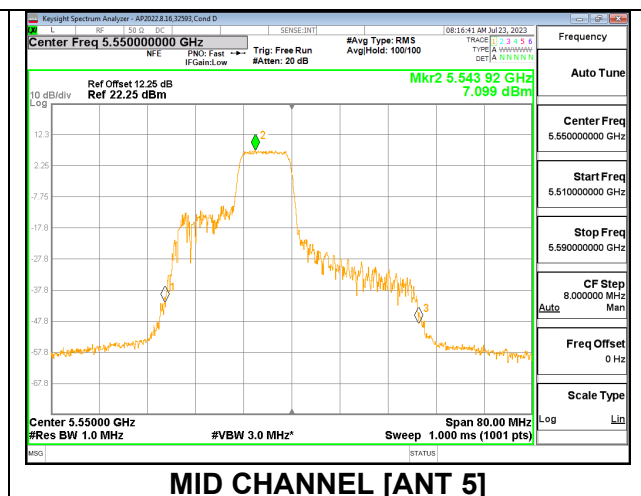
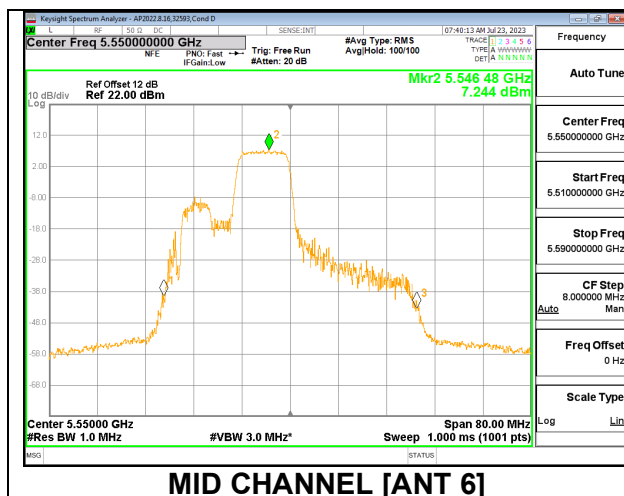
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.40	14.40	17.41	24.00	-6.59
Mid	5550	14.45	14.47	17.47	24.00	-6.53
High	5670	14.41	14.42	17.43	24.00	-6.57
142	5710	14.40	14.40	17.41	24.00	-6.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	6.729	6.770	9.760	11.00	-1.240
Mid	5550	7.244	7.099	10.182	11.00	-0.818
High	5670	6.845	7.047	9.957	11.00	-1.043
142	5710	6.765	6.790	9.788	11.00	-1.212



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.79	-2.81	0.16	24.00	11.00
Mid	5550	20.46	-2.81	0.16	24.00	11.00
High	5670	21.08	-2.81	0.16	24.00	11.00
142	5710	20.93	-2.81	0.16	24.00	11.00

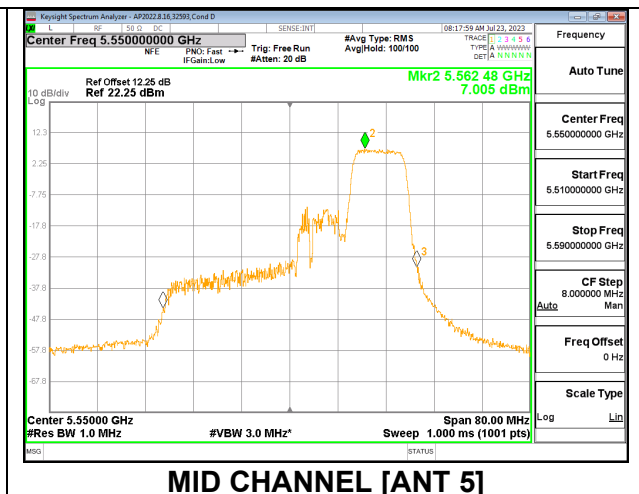
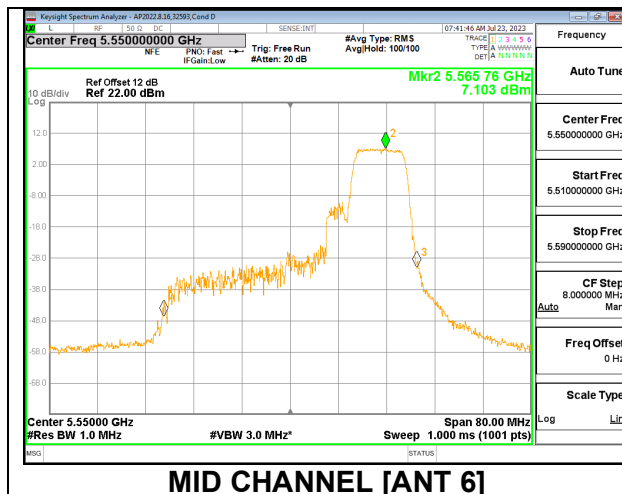
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	14.43	14.46	17.46	24.00	-6.54
Mid	5550	14.45	14.44	17.46	24.00	-6.54
High	5670	14.43	14.44	17.45	24.00	-6.55
142	5710	14.46	14.46	17.47	24.00	-6.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	7.076	6.674	9.890	11.00	-1.110
Mid	5550	7.103	7.005	10.065	11.00	-0.935
High	5670	6.729	6.788	9.769	11.00	-1.231
142	5710	6.676	6.743	9.720	11.00	-1.280



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	44.16	-2.81	0.16	24.00	11.00
Mid	5550	40.49	-2.81	0.16	24.00	11.00
High	5670	44.56	-2.81	0.16	24.00	11.00
142	5710	40.67	-2.81	0.16	24.00	11.00

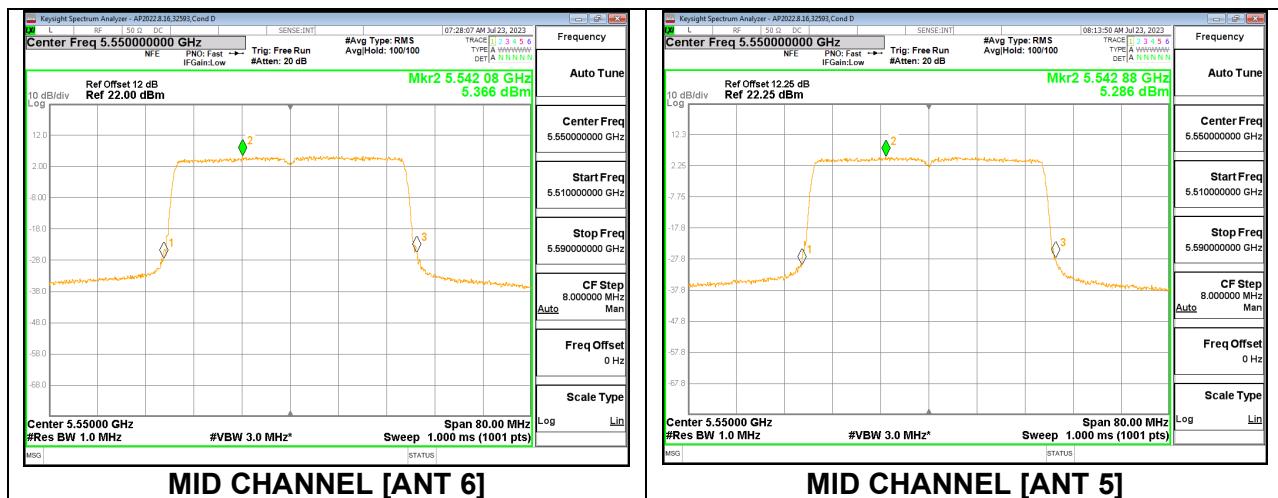
Duty Cycle CF (dB)	0.13	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.45	15.45	18.46	24.00	-5.54
Mid	5550	18.98	18.95	21.98	24.00	-2.02
High	5670	18.44	18.45	21.46	24.00	-2.54
142	5710	18.89	18.92	21.92	24.00	-2.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	1.620	1.759	4.830	11.00	-6.170
Mid	5550	5.366	5.286	8.466	11.00	-2.534
High	5670	4.498	4.535	7.657	11.00	-3.343
142	5710	5.172	5.215	8.334	11.00	-2.666



9.4.21. 802.11ax HE80 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	20.31	-2.00	24.00	11.00
High	5610	20.12	-2.00	24.00	11.00
138	5690	19.70	-2.00	23.94	11.00

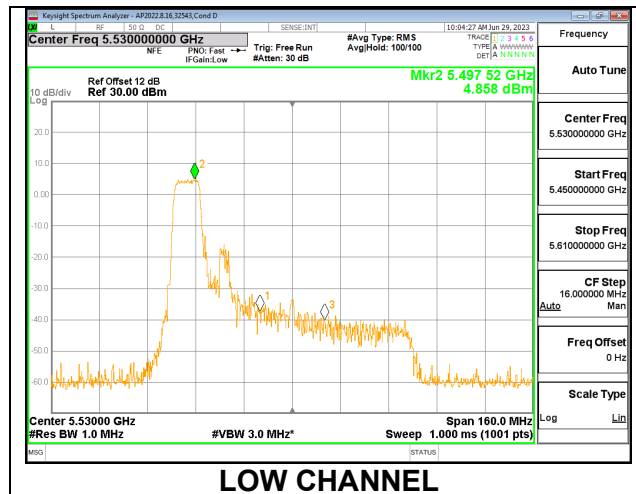
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.45	12.45	24.00	-11.55
High	5610	12.48	12.48	24.00	-11.52
138	5690	12.42	12.42	23.94	-11.52

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.858	4.858	11.00	-6.142
High	5610	4.949	4.949	11.00	-6.051
138	5690	4.718	4.718	11.00	-6.282



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	24.18	-2.00	24.00	11.00
High	5610	24.31	-2.00	24.00	11.00
138	5690	24.06	-2.00	24.00	11.00

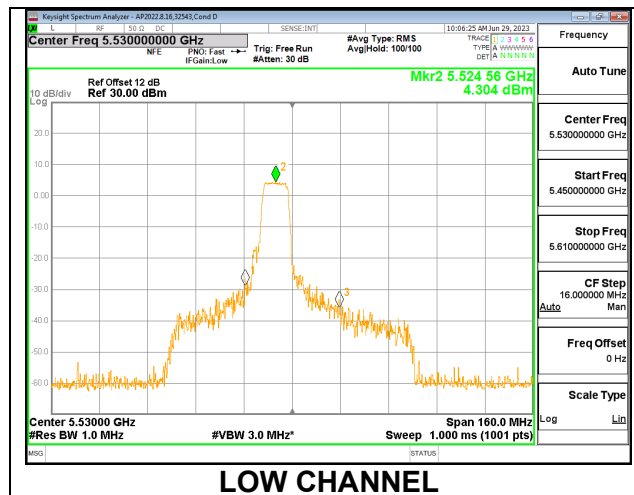
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.48	12.48	24.00	-11.52
High	5610	12.44	12.44	24.00	-11.56
138	5690	12.42	12.42	24.00	-11.58

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.304	4.304	11.00	-6.696
High	5610	4.153	4.153	11.00	-6.847
138	5690	3.981	3.981	11.00	-7.019



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	22.33	-2.00	24.00	11.00
High	5610	22.34	-2.00	24.00	11.00
138	5690	22.37	-2.00	24.00	11.00

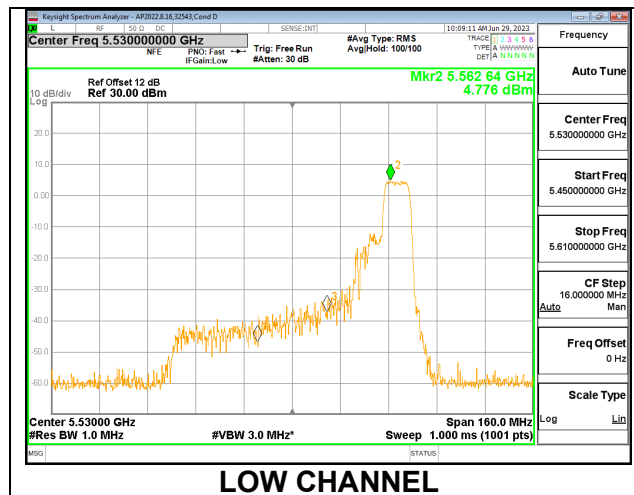
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.47	12.47	24.00	-11.53
High	5610	12.45	12.45	24.00	-11.55
138	5690	12.41	12.41	24.00	-11.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.776	4.776	11.00	-6.224
High	5610	4.969	4.969	11.00	-6.031
138	5690	4.717	4.717	11.00	-6.283



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	6/8/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	81.76	-2.00	24.00	11.00
High	5610	81.69	-2.00	24.00	11.00
138	5690	81.42	-2.00	24.00	11.00

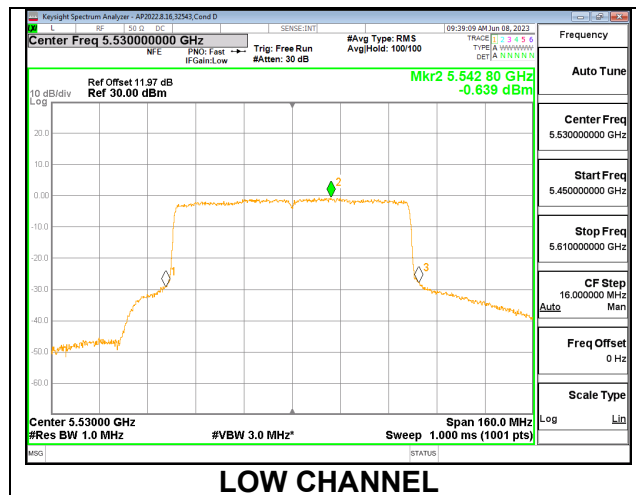
Duty Cycle CF (dB)	0.24	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.91	15.91	24.00	-8.09
High	5610	20.45	20.45	24.00	-3.55
138	5690	20.43	20.43	24.00	-3.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-0.639	-0.399	11.00	-11.399
High	5610	3.950	4.190	11.00	-6.810
138	5690	4.141	4.381	11.00	-6.619



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	19.83	-3.80	23.97	11.00
High	5610	20.42	-3.80	24.00	11.00
138	5690	19.07	-3.80	23.80	11.00

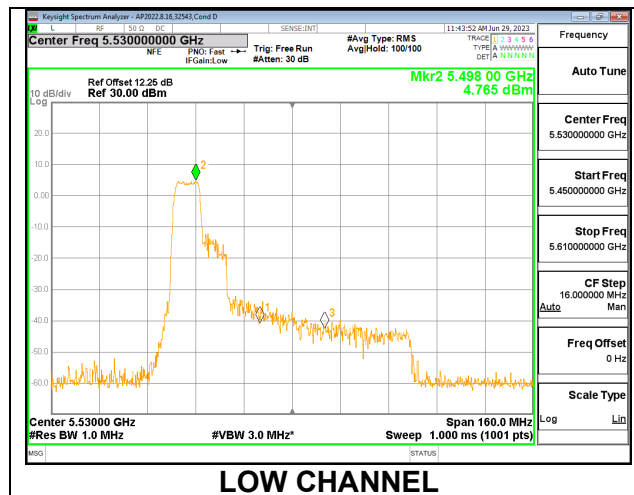
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.43	12.43	23.97	-11.54
High	5610	12.47	12.47	24.00	-11.53
138	5690	12.41	12.41	23.80	-11.39

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.765	4.765	11.00	-6.235
High	5610	4.936	4.936	11.00	-6.064
138	5690	4.737	4.737	11.00	-6.263



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	25.08	-3.80	24.00	11.00
High	5610	20.69	-3.80	24.00	11.00
138	5690	24.10	-3.80	24.00	11.00

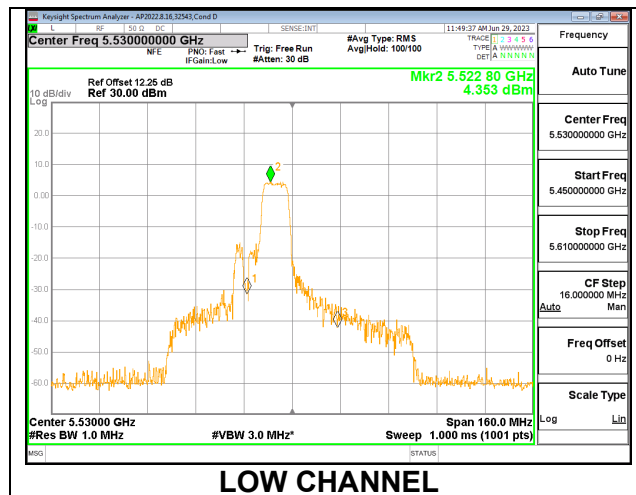
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.46	12.46	24.00	-11.54
High	5610	12.48	12.48	24.00	-11.52
138	5690	12.43	12.43	24.00	-11.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.353	4.353	11.00	-6.647
High	5610	4.013	4.013	11.00	-6.987
138	5690	4.407	4.407	11.00	-6.593



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 60

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	23.63	-3.80	24.00	11.00
High	5610	21.20	-3.80	24.00	11.00
138	5690	21.28	-3.80	24.00	11.00

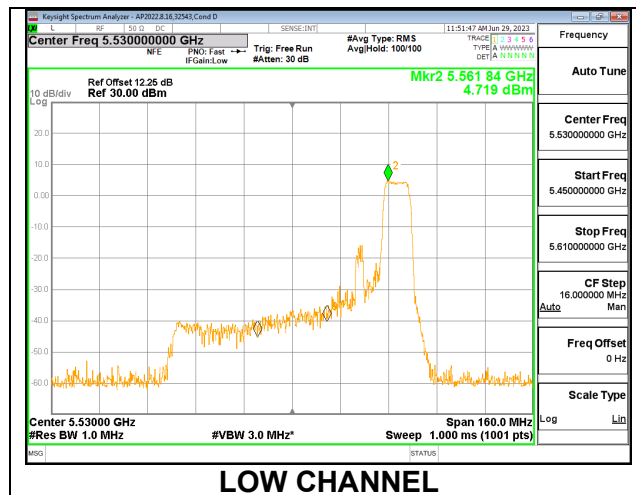
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.42	12.42	24.00	-11.58
High	5610	12.46	12.46	24.00	-11.54
138	5690	12.45	12.45	24.00	-11.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.719	4.719	11.00	-6.281
High	5610	4.815	4.815	11.00	-6.185
138	5690	4.567	4.567	11.00	-6.433



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	6/8/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	82.05	-3.80	24.00	11.00
High	5610	82.68	-3.80	24.00	11.00
138	5690	81.16	-3.80	24.00	11.00

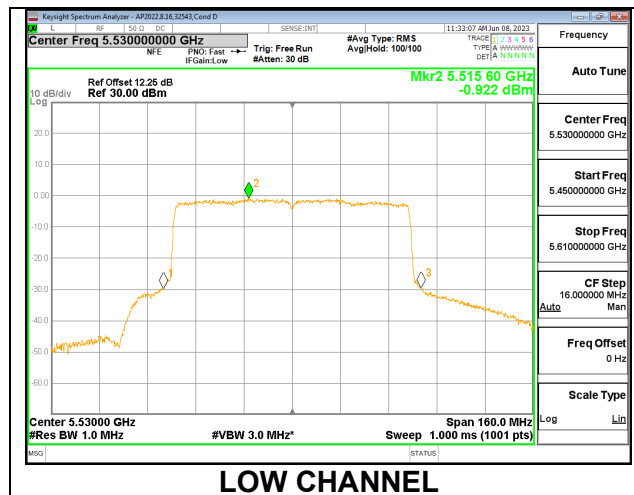
Duty Cycle CF (dB)	0.24	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.95	15.95	24.00	-8.05
High	5610	20.40	20.40	24.00	-3.60
138	5690	20.45	20.45	24.00	-3.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-0.922	-0.682	11.00	-11.682
High	5610	3.902	4.142	11.00	-6.858
138	5690	3.907	4.147	11.00	-6.853



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	19.59	-2.81	0.16	23.92	11.00
High	5610	19.40	-2.81	0.16	23.88	11.00
138	5690	18.90	-2.81	0.16	23.76	11.00

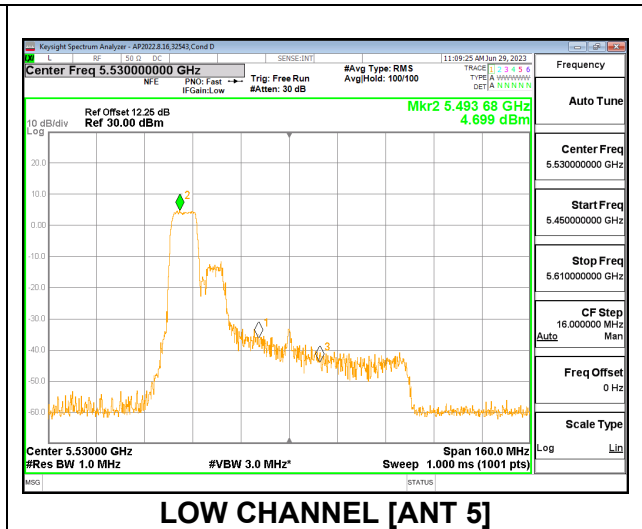
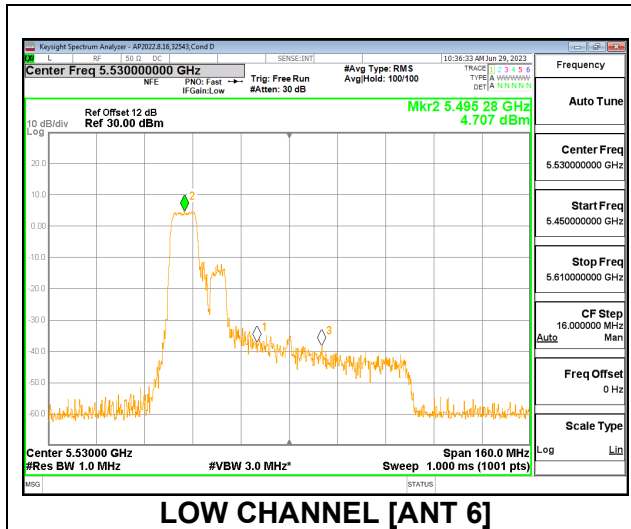
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.44	12.43	15.45	23.92	-8.48
High	5610	12.48	12.45	15.48	23.88	-8.40
138	5690	12.41	12.44	15.44	23.76	-8.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.707	4.699	7.713	11.00	-3.287
High	5610	4.928	4.765	7.858	11.00	-3.142
138	5690	4.798	4.949	7.884	11.00	-3.116



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

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	22.14	-2.81	0.16	24.00	11.00
High	5610	21.92	-2.81	0.16	24.00	11.00
138	5690	20.73	-2.81	0.16	24.00	11.00

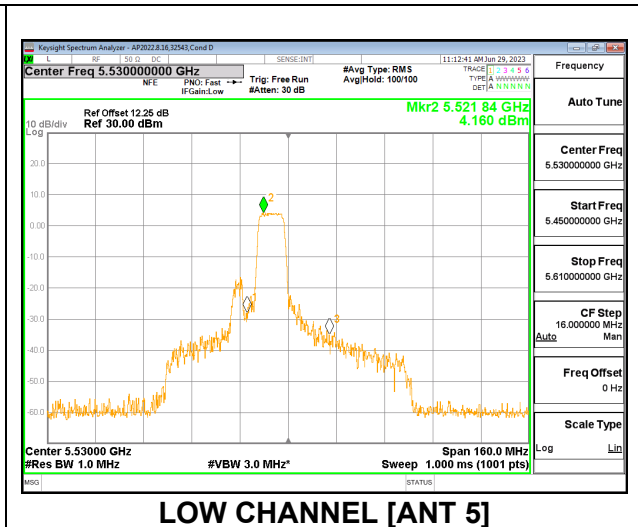
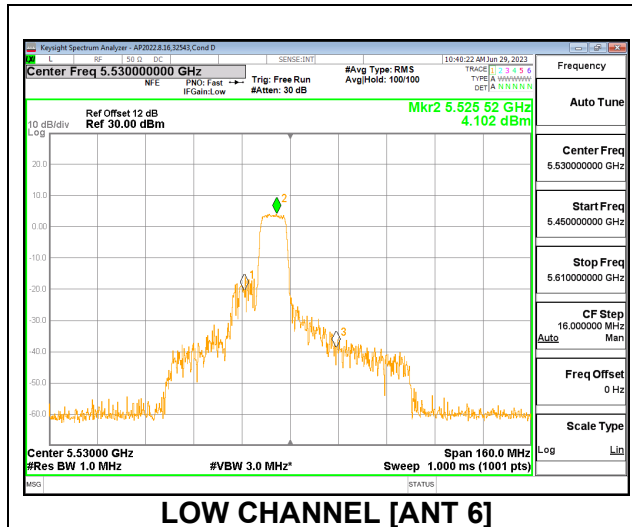
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.47	12.45	15.47	24.00	-8.53
High	5610	12.48	12.42	15.46	24.00	-8.54
138	5690	12.42	12.43	15.44	24.00	-8.56

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.102	4.160	7.141	11.00	-3.859
High	5610	4.019	4.067	7.053	11.00	-3.947
138	5690	4.070	4.015	7.053	11.00	-3.947



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 60

Test Engineer:	32543
Test Date:	6/29/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	19.73	-2.81	0.16	23.95	11.00
High	5610	19.15	-2.81	0.16	23.82	11.00
138	5690	19.57	-2.81	0.16	23.92	11.00

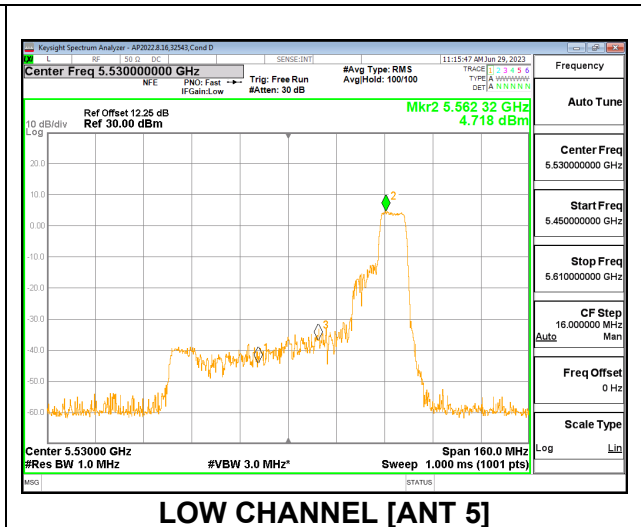
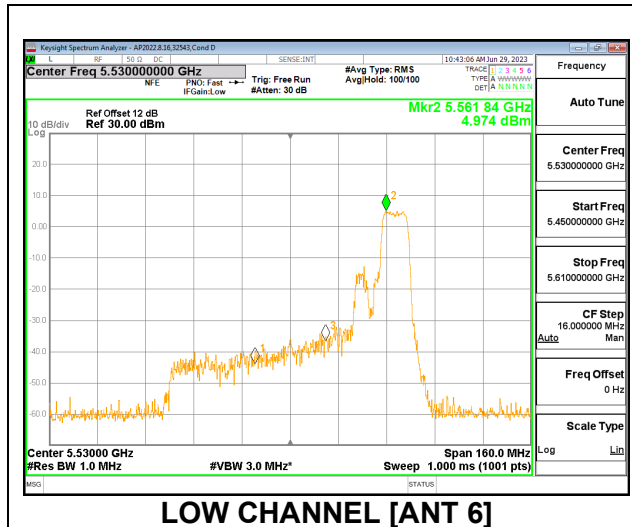
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.46	12.44	15.46	23.95	-8.49
High	5610	12.47	12.44	15.47	23.82	-8.36
138	5690	12.43	12.46	15.46	23.92	-8.46

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.974	4.718	7.858	11.00	-3.142
High	5610	4.758	4.713	7.746	11.00	-3.254
138	5690	4.673	4.883	7.790	11.00	-3.210



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	80.67	-2.81	0.16	24.00	11.00
High	5610	80.07	-2.81	0.16	24.00	11.00
138	5690	80.88	-2.81	0.16	24.00	11.00

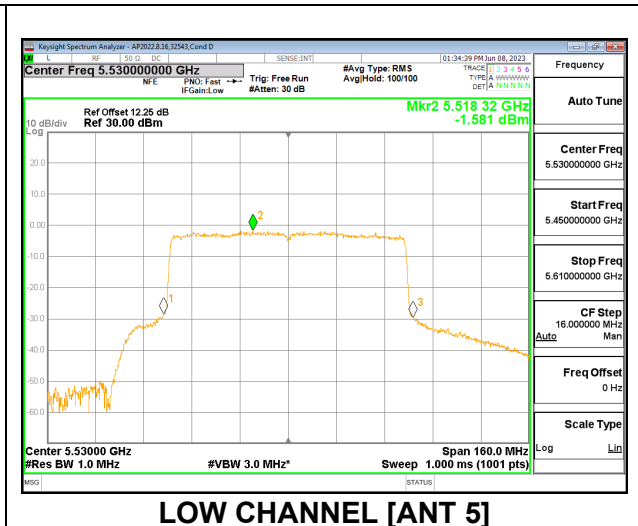
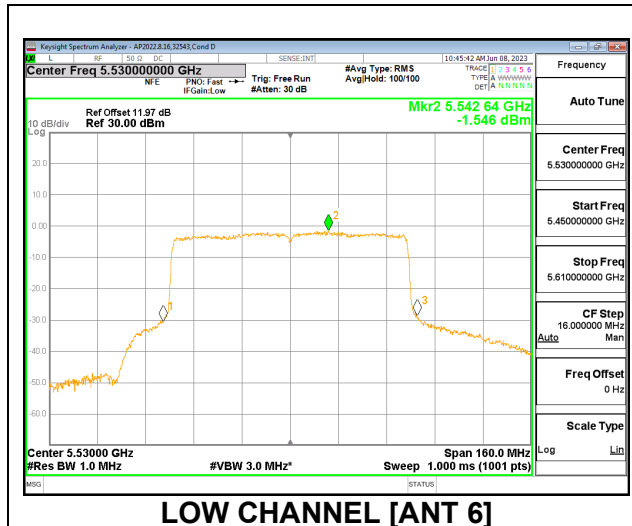
Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.89	14.91	17.91	24.00	-6.09
High	5610	19.95	19.90	22.94	24.00	-1.06
138	5690	19.93	19.89	22.92	24.00	-1.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-1.546	-1.581	1.687	11.00	-9.313
High	5610	3.013	3.013	6.263	11.00	-4.737
138	5690	3.009	2.799	6.156	11.00	-4.844



9.4.22. 802.11ax HE160 MODE IN THE 5.6 GHz BAND

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	21.06	-2.00	24.00	11.00

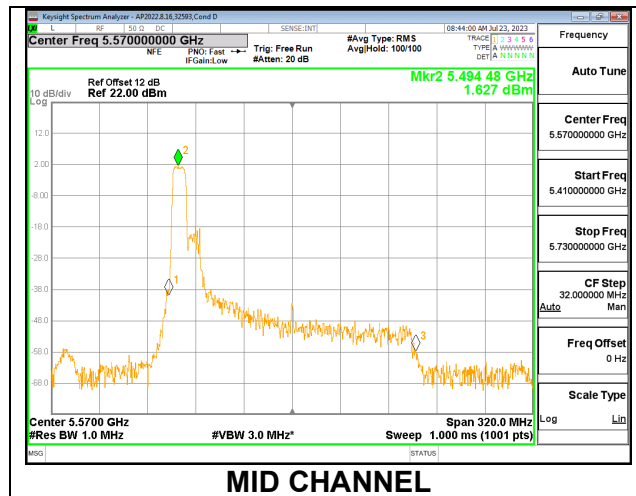
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.43	9.43	24.00	-14.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.627	1.627	11.00	-9.373



MID CHANNEL

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	28.89	-2.00	24.00	11.00

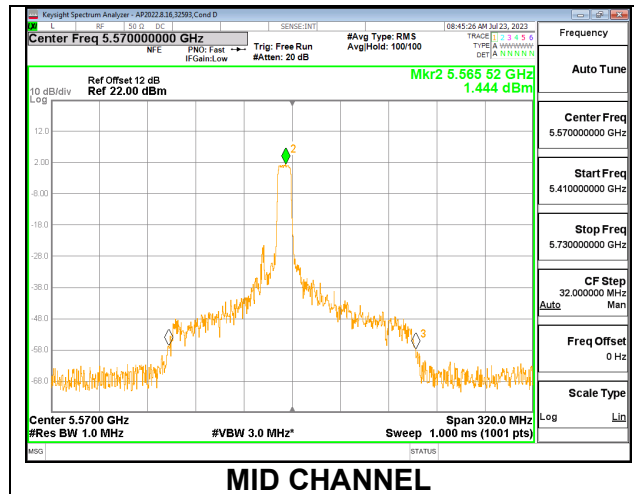
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.44	9.44	24.00	-14.56

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.444	1.444	11.00	-9.556



1TX Antenna 6 MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	22.87	-2.00	24.00	11.00

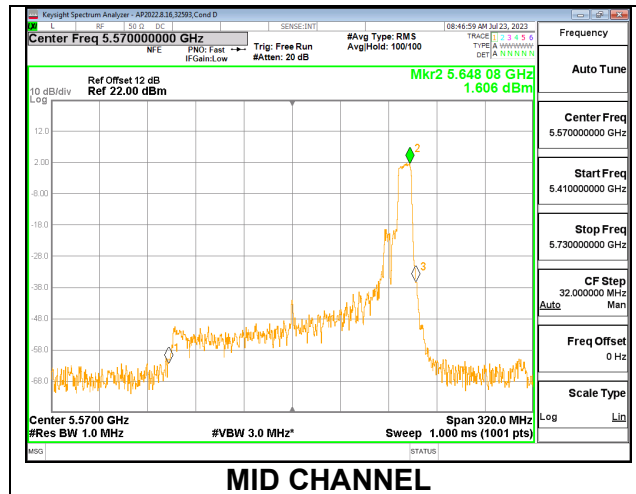
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.41	9.41	24.00	-14.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.606	1.606	11.00	-9.394



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	163.70	-2.00	24.00	11.00

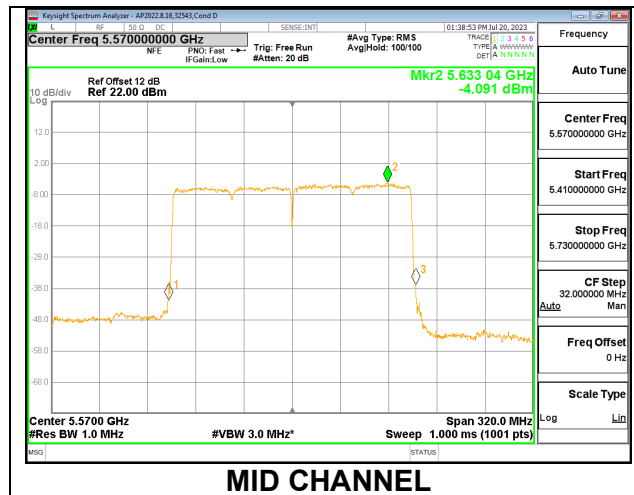
Duty Cycle CF (dB)	0.36	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	15.41	15.41	24.00	-8.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-4.091	-3.731	11.00	-14.731



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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	21.43	-3.80	24.00	11.00

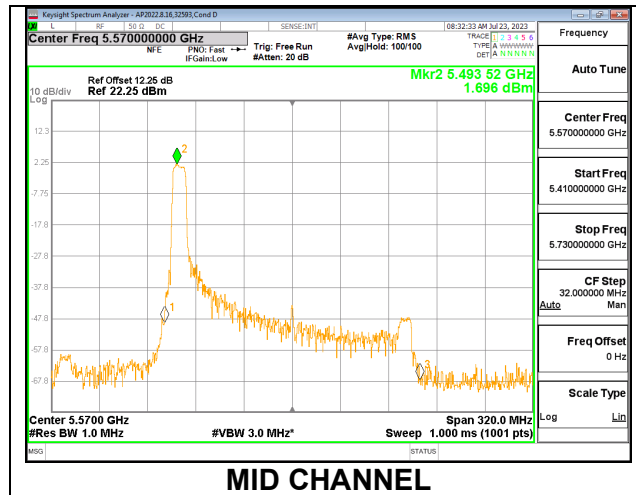
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.48	9.48	24.00	-14.52

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.696	1.696	11.00	-9.304



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	26.14	-3.80	24.00	11.00

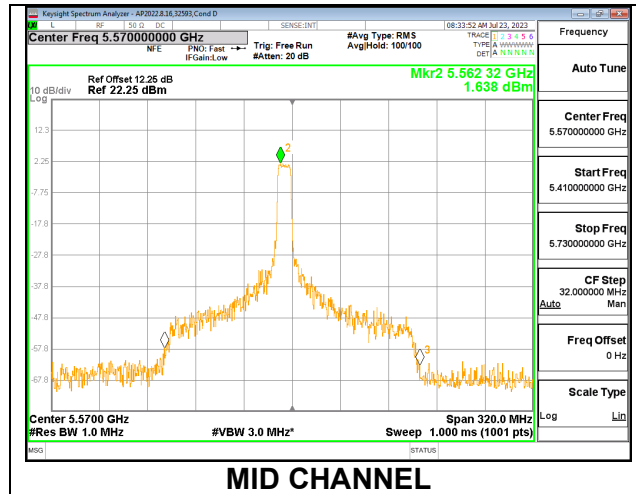
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.40	9.40	24.00	-14.60

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.638	1.638	11.00	-9.362



1TX Antenna 5 MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	21.69	-3.80	24.00	11.00

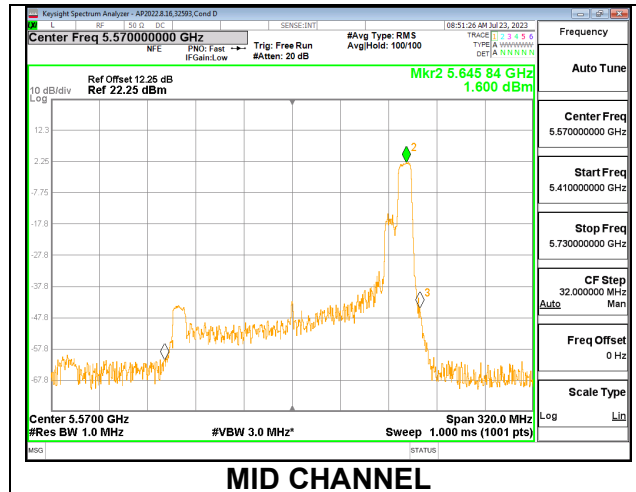
Duty Cycle CF (dB)	0.00	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.46	9.46	24.00	-14.54

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.600	1.600	11.00	-9.400



1TX Antenna 5 MODE (FCC) – SU Mode

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	162.90	-3.80	24.00	11.00

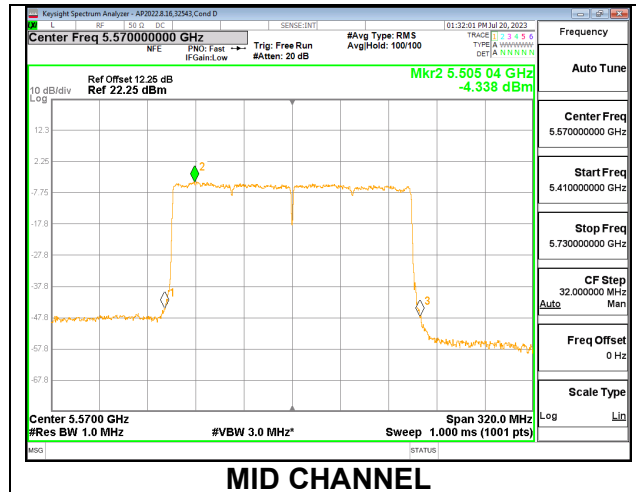
Duty Cycle CF (dB)	0.36	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	15.45	15.45	24.00	-8.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-4.338	-3.978	11.00	-14.978



MID CHANNEL

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

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	19.95	-2.81	0.16	24.00	11.00

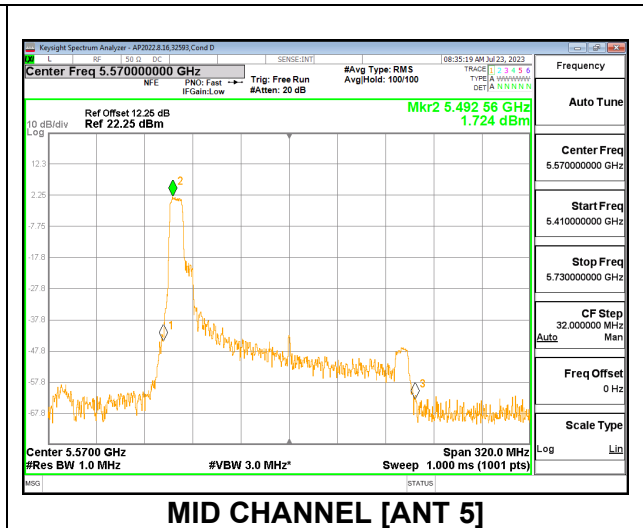
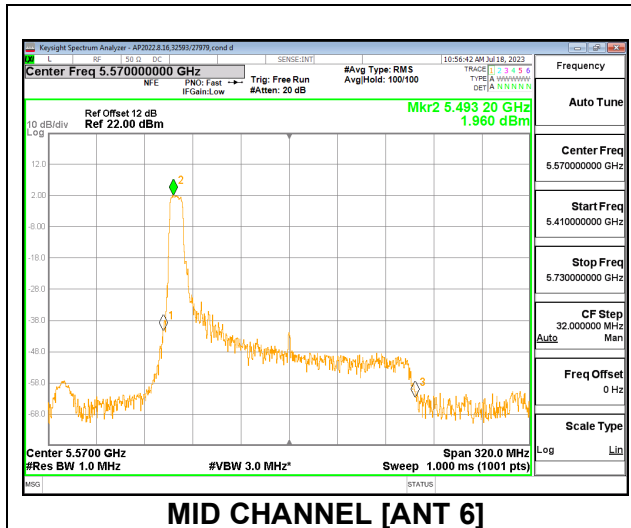
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.48	9.44	12.47	24.00	-11.53

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.960	1.724	4.854	11.00	-6.146



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index 60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	24.69	-2.81	0.16	24.00	11.00

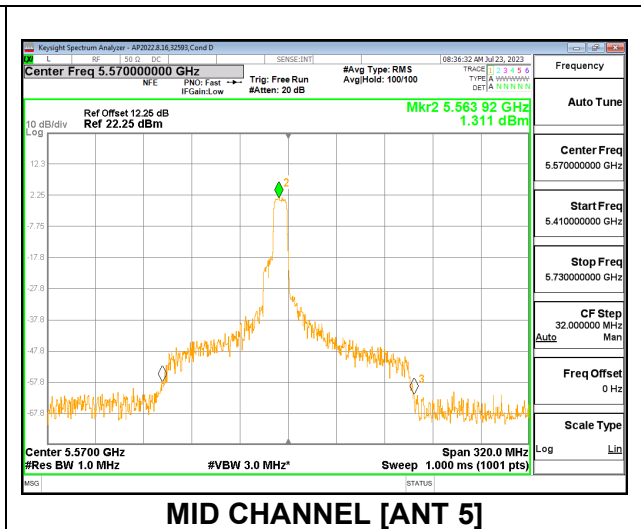
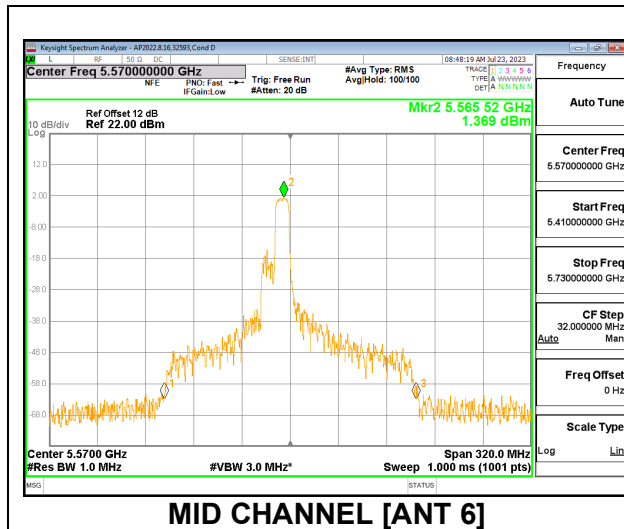
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.42	9.42	12.43	24.00	-11.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.369	1.311	4.350	11.00	-6.650



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) – 106 Tones, RU Index S60

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	22.17	-2.81	0.16	24.00	11.00

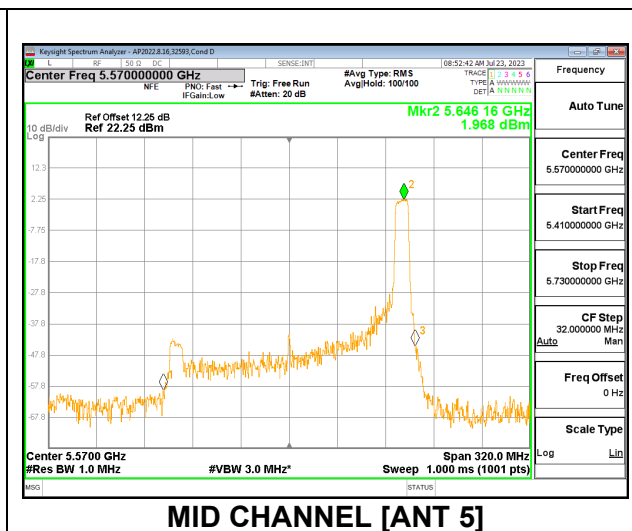
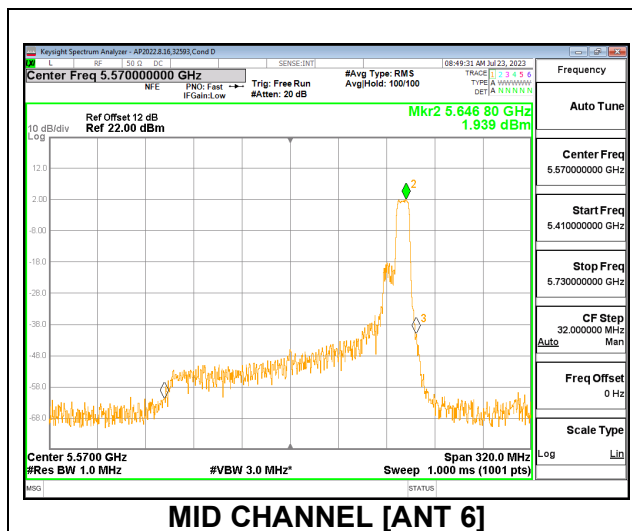
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	9.47	9.41	12.45	24.00	-11.55

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	1.939	1.968	4.964	11.00	-6.036



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

Test Engineer:	32543
Test Date:	7/20/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5570	162.30	-2.81	0.16	24.00	11.00

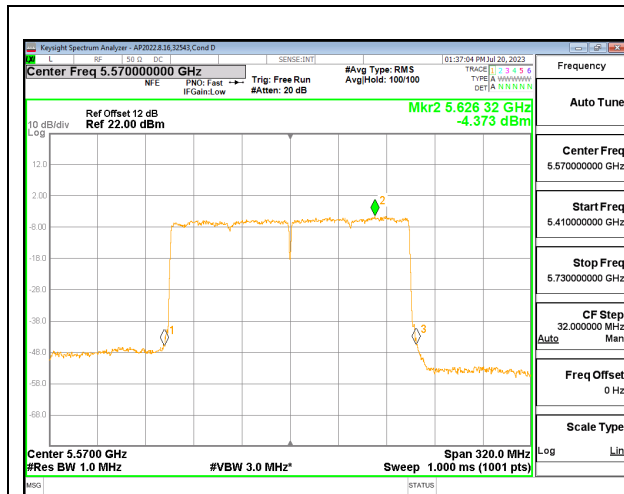
Duty Cycle CF (dB)	0.36	Included in Calculations of Corr'd PSD
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Output Power Results

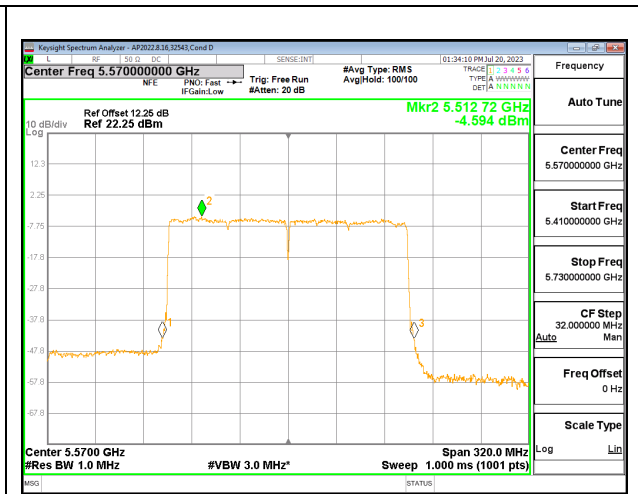
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5570	14.96	14.95	17.97	24.00	-6.03

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5570	-4.373	-4.594	-1.112	11.00	-12.112



MID CHANNEL [ANT 6]



MID CHANNEL [ANT 5]

9.4.23. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE (FCC+IC)

Test Engineer:	32543
Test Date:	6/27/2023

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.00	30.00	30.00
Mid	5785	-2.00	30.00	30.00
High	5825	-2.00	30.00	30.00

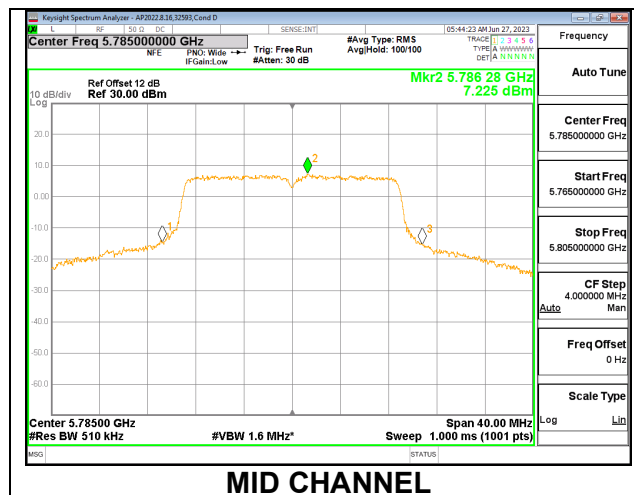
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.93	20.93	30.00	-9.07
Mid	5785	20.92	20.92	30.00	-9.08
High	5825	20.90	20.90	30.00	-9.10

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.397	7.397	30.00	-22.60
Mid	5785	7.225	7.225	30.00	-22.78
High	5825	7.103	7.103	30.00	-22.90



1TX Antenna 5 MODE (FCC+IC)

Test Engineer:	32543
Test Date:	6/27/2023

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-4.00	30.00	30.00
Mid	5785	-4.00	30.00	30.00
High	5825	-4.00	30.00	30.00

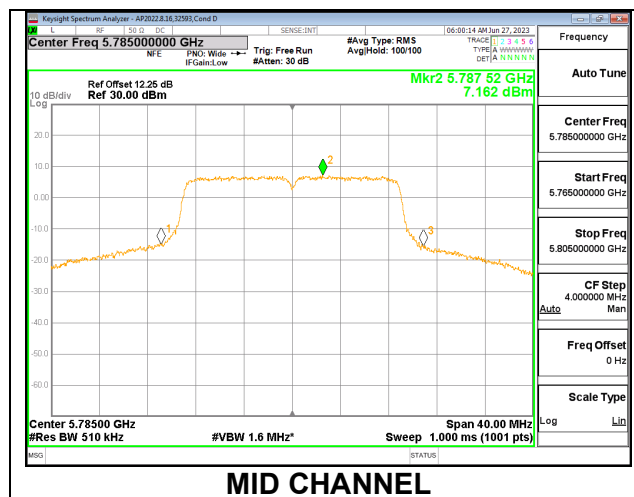
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.96	20.96	30.00	-9.04
Mid	5785	20.89	20.89	30.00	-9.11
High	5825	20.96	20.96	30.00	-9.04

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.375	7.375	30.00	-22.63
Mid	5785	7.162	7.162	30.00	-22.84
High	5825	7.148	7.148	30.00	-22.85



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

Test Engineer:	32543
Test Date:	6/27/2023

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.89	0.07	30.00	30.00
Mid	5785	-2.89	0.07	30.00	30.00
High	5825	-2.89	0.07	30.00	30.00

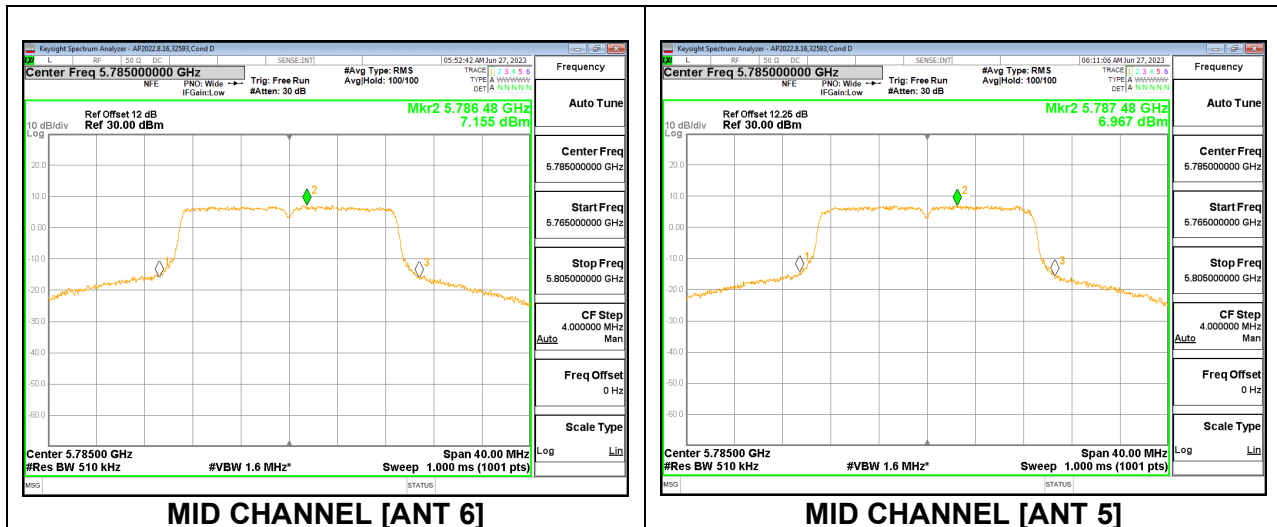
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.93	20.97	23.96	30.00	-6.04
Mid	5785	20.91	20.97	23.95	30.00	-6.05
High	5825	20.95	20.98	23.98	30.00	-6.02

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.296	7.274	10.295	30.00	-19.705
Mid	5785	7.155	6.967	10.072	30.00	-19.928
High	5825	7.333	7.166	10.261	30.00	-19.739



9.4.24. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE (FCC+IC)

Test Engineer:	23560
Test Date:	6/5/2023

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.00	30.00	30.00
High	5795	-2.00	30.00	30.00

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 Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.30	20.30	30.00	-9.70
High	5795	20.42	20.42	30.00	-9.58

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	6.536	6.636	30.00	-23.36
High	5795	6.568	6.668	30.00	-23.33

