

9.4.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.40	24.00	11.00

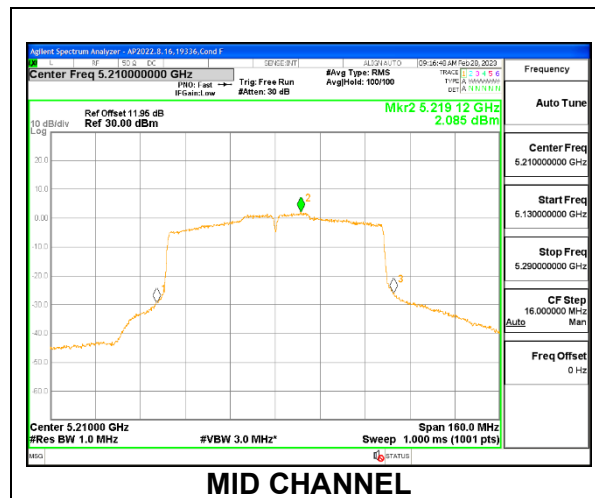
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.20	17.20	24.00	-6.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.085	2.455	11.00	-8.545



1TX Antenna 5 MODE (FCC) MOBILE

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-6.00	24.00	11.00

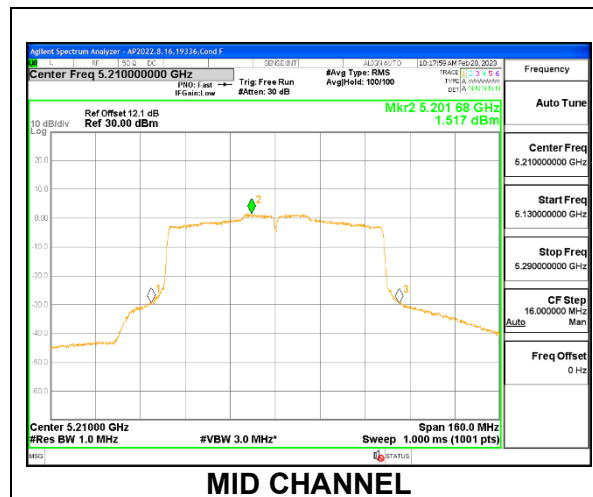
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.21	17.21	24.00	-6.79

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.517	1.887	11.00	-9.113



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

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-4.51	-1.59	24.00	11.00

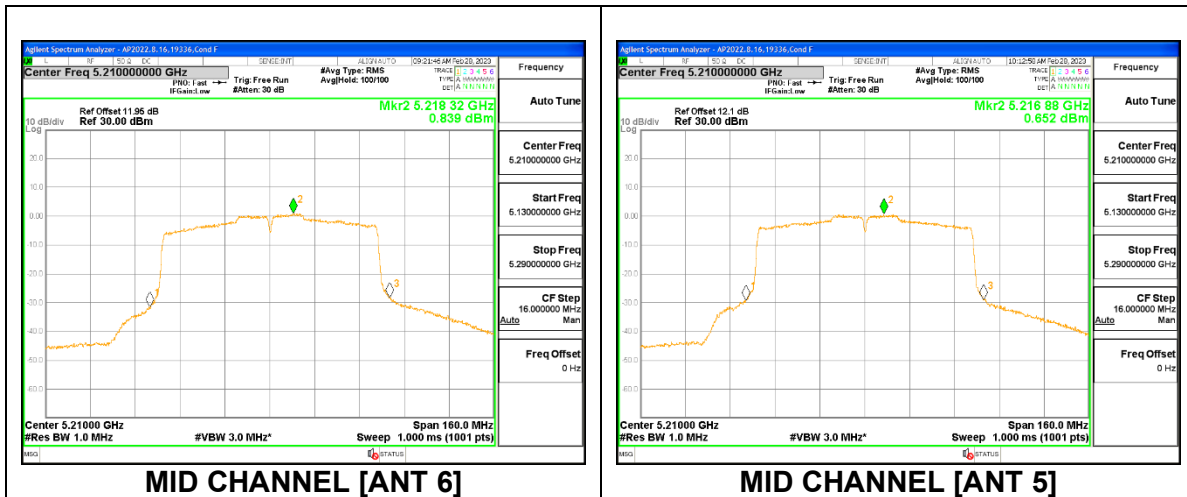
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

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	5210	16.22	16.20	19.22	24.00	-4.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.839	0.652	4.127	11.000	-6.873



9.4.4. 802.11ax HE20 MODE IN THE 5.2 GHZ BAND

1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.40	24.00	11.00
Mid	5200	-3.40	24.00	11.00
High	5240	-3.40	24.00	11.00

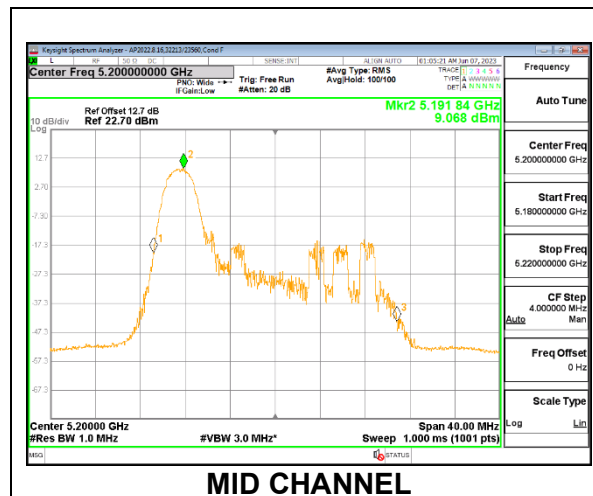
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.21	11.21	24.00	-12.79
Mid	5200	11.23	11.23	24.00	-12.77
High	5240	11.22	11.22	24.00	-12.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.077	9.077	11.00	-1.923
Mid	5200	9.068	9.068	11.00	-1.932
High	5240	9.233	9.233	11.00	-1.767



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 4

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.40	24.00	11.00
Mid	5200	-3.40	24.00	11.00
High	5240	-3.40	24.00	11.00

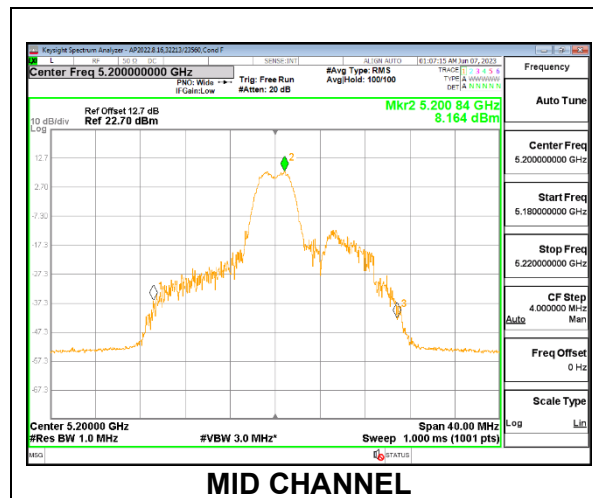
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.20	11.20	24.00	-12.80
Mid	5200	11.22	11.22	24.00	-12.78
High	5240	11.25	11.25	24.00	-12.75

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.193	8.193	11.00	-2.807
Mid	5200	8.164	8.164	11.00	-2.836
High	5240	8.188	8.188	11.00	-2.812



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.40	24.00	11.00
Mid	5200	-3.40	24.00	11.00
High	5240	-3.40	24.00	11.00

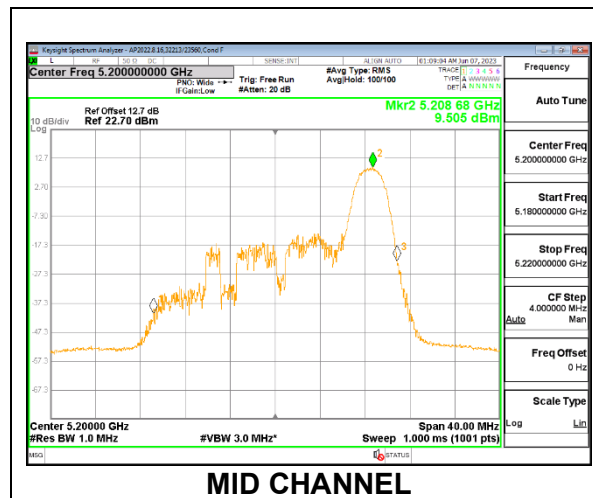
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.21	11.21	24.00	-12.79
Mid	5200	11.23	11.23	24.00	-12.77
High	5240	11.19	11.19	24.00	-12.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.210	9.210	11.00	-1.790
Mid	5200	9.505	9.505	11.00	-1.495
High	5240	8.889	8.889	11.00	-2.111



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	26118
Test Date:	05/24/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-3.40	24.00	11.00
Mid	5200	-3.40	24.00	11.00
High	5240	-3.40	24.00	11.00

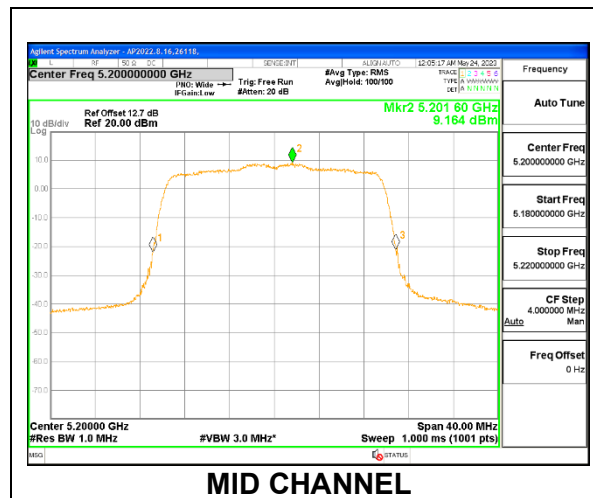
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.20	18.20	24.00	-5.80
Mid	5200	19.23	19.23	24.00	-4.77
High	5240	19.21	19.21	24.00	-4.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.372	8.372	11.00	-2.628
Mid	5200	9.164	9.164	11.00	-1.836
High	5240	9.065	9.065	11.00	-1.935



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-6.00	24.00	11.00
Mid	5200	-6.00	24.00	11.00
High	5240	-6.00	24.00	11.00

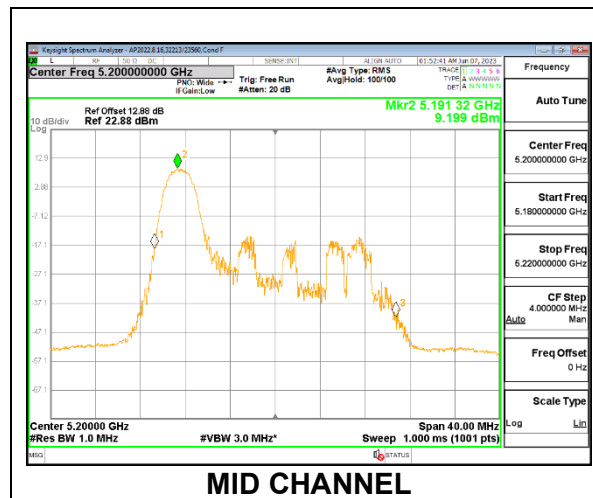
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.24	11.24	24.00	-12.76
Mid	5200	11.20	11.20	24.00	-12.80
High	5240	11.18	11.18	24.00	-12.82

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.369	9.369	11.00	-1.631
Mid	5200	9.199	9.199	11.00	-1.801
High	5240	9.041	9.041	11.00	-1.959



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 4

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-6.00	24.00	11.00
Mid	5200	-6.00	24.00	11.00
High	5240	-6.00	24.00	11.00

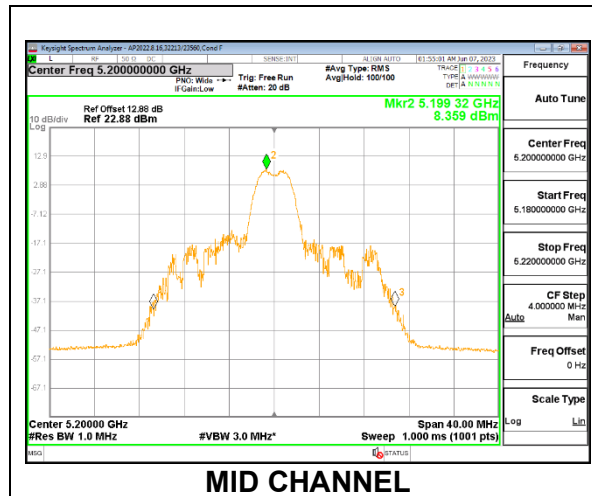
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.18	11.18	24.00	-12.82
Mid	5200	11.21	11.21	24.00	-12.79
High	5240	11.23	11.23	24.00	-12.77

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.293	8.293	11.00	-2.707
Mid	5200	8.359	8.359	11.00	-2.641
High	5240	8.510	8.510	11.00	-2.490



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	32213
Test Date:	06/07/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-6.00	24.00	11.00
Mid	5200	-6.00	24.00	11.00
High	5240	-6.00	24.00	11.00

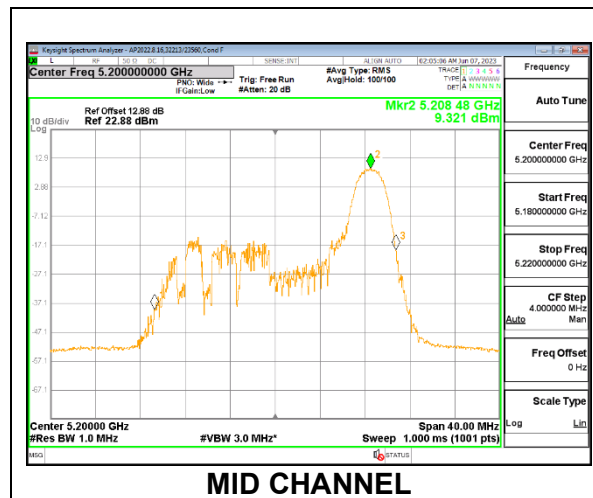
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.19	11.19	24.00	-12.81
Mid	5200	11.22	11.22	24.00	-12.78
High	5240	11.21	11.21	24.00	-12.79

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.107	9.107	11.00	-1.893
Mid	5200	9.321	9.321	11.00	-1.679
High	5240	9.079	9.079	11.00	-1.921



1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	03/15/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-6.00	24.00	11.00
Mid	5200	-6.00	24.00	11.00
High	5240	-6.00	24.00	11.00

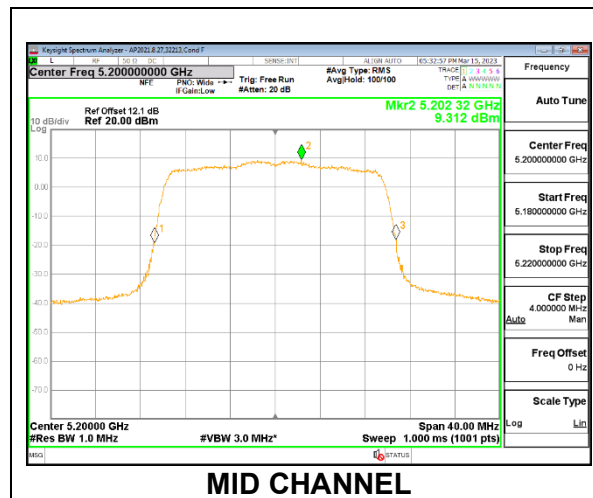
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.22	18.22	24.00	-5.78
Mid	5200	19.21	19.21	24.00	-4.79
High	5240	19.22	19.22	24.00	-4.78

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.381	8.381	11.00	-2.619
Mid	5200	9.312	9.312	11.00	-1.688
High	5240	9.324	9.324	11.00	-1.676



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	03/23/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-4.51	-1.59	24.00	11.00
Mid	5200	-4.51	-1.59	24.00	11.00
High	5240	-4.51	-1.59	24.00	11.00

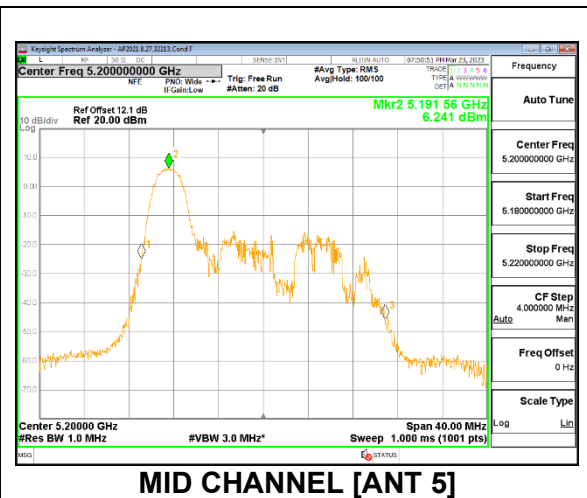
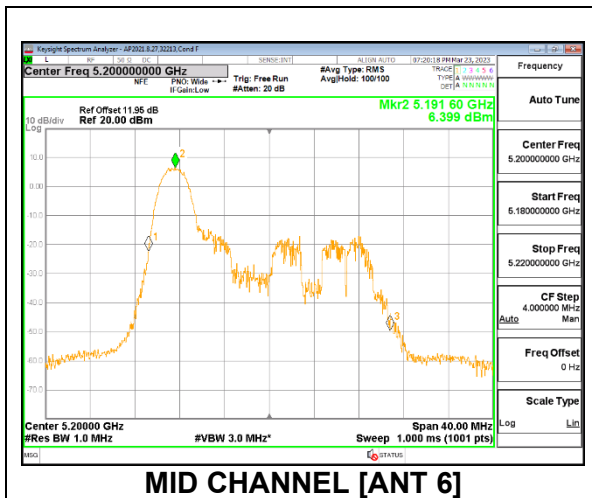
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.20	8.21	11.22	24.00	-12.78
Mid	5200	8.24	8.23	11.25	24.00	-12.75
High	5240	8.17	8.21	11.20	24.00	-12.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.222	6.223	9.233	11.00	-1.767
Mid	5200	6.399	6.241	9.331	11.00	-1.669
High	5240	6.036	6.224	9.141	11.00	-1.859



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 4

Test Engineer:	32213
Test Date:	03/23/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-4.51	-1.59	24.00	11.00
Mid	5200	-4.51	-1.59	24.00	11.00
High	5240	-4.51	-1.59	24.00	11.00

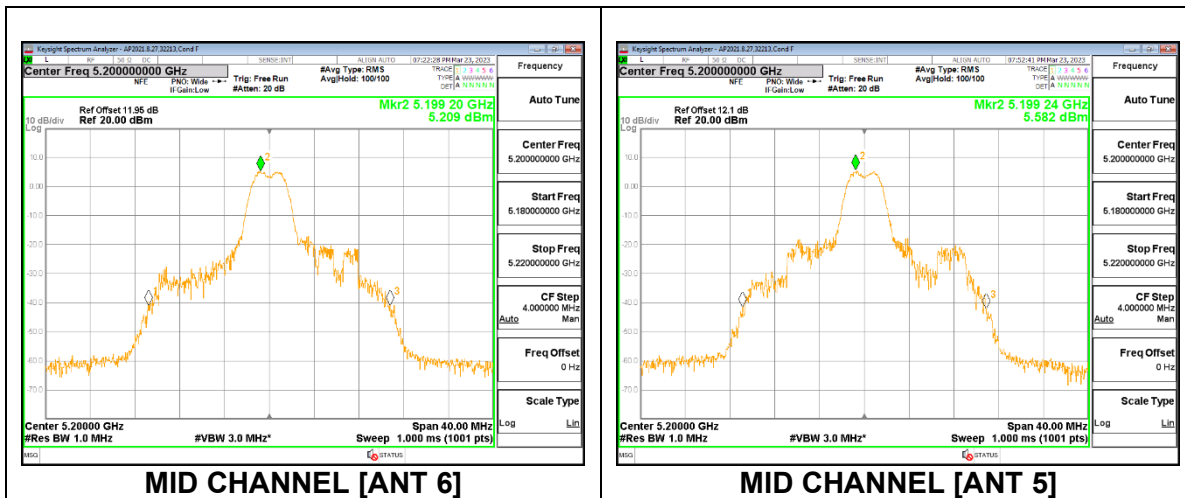
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.20	8.22	11.22	24.00	-12.78
Mid	5200	8.19	8.23	11.22	24.00	-12.78
High	5240	8.21	8.18	11.21	24.00	-12.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	5.449	5.494	8.482	11.00	-2.518
Mid	5200	5.209	5.582	8.410	11.00	-2.590
High	5240	5.412	5.348	8.390	11.00	-2.610



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	32213
Test Date:	03/23/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-4.51	-1.59	24.00	11.00
Mid	5200	-4.51	-1.59	24.00	11.00
High	5240	-4.51	-1.59	24.00	11.00

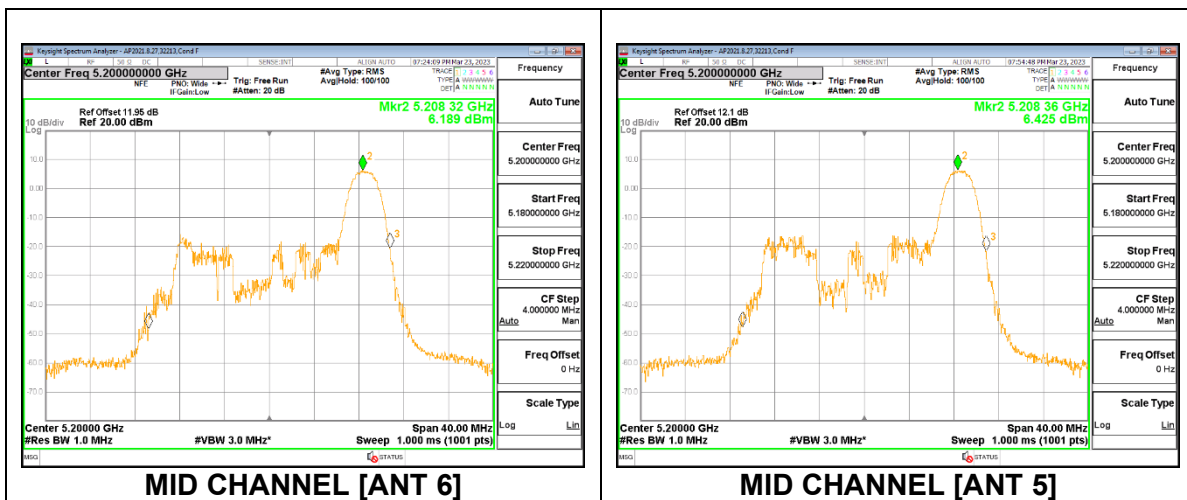
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.20	8.23	11.23	24.00	-12.77
Mid	5200	8.18	8.21	11.21	24.00	-12.79
High	5240	8.20	8.25	11.24	24.00	-12.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.381	6.507	9.455	11.00	-1.545
Mid	5200	6.189	6.425	9.319	11.00	-1.681
High	5240	6.049	6.625	9.357	11.00	-1.643



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	03/23/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-4.51	-1.59	24.00	11.00
Mid	5200	-4.51	-1.59	24.00	11.00
High	5240	-4.51	-1.59	24.00	11.00

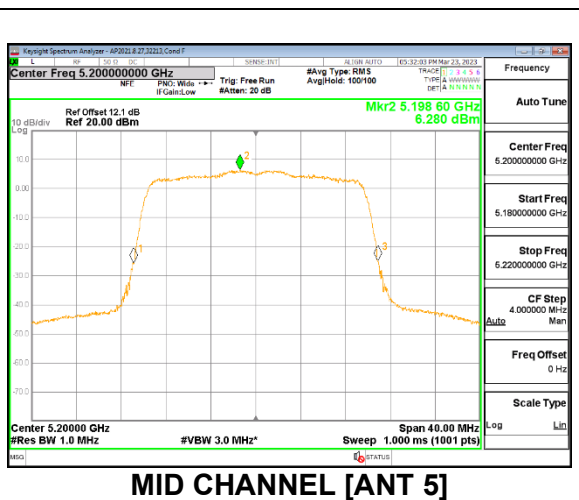
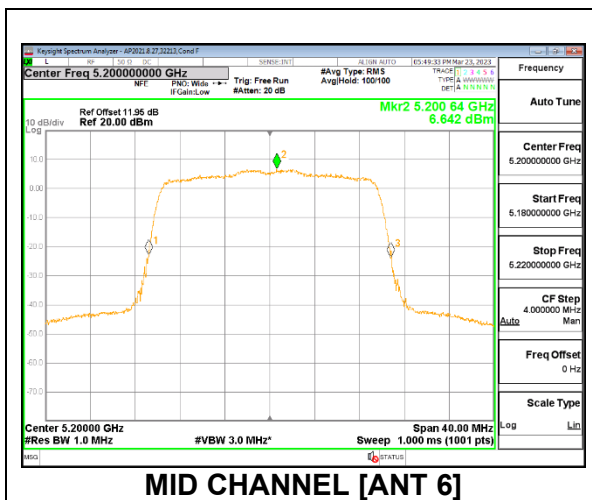
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.19	16.22	19.22	24.00	-4.78
Mid	5200	16.24	16.21	19.24	24.00	-4.76
High	5240	16.25	16.20	19.24	24.00	-4.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.335	6.468	9.412	11.00	-1.588
Mid	5200	6.642	6.280	9.475	11.00	-1.525
High	5240	6.654	6.278	9.480	11.00	-1.520



9.4.5. 802.11ax HE40 MODE IN THE 5.2 GHZ BAND

1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	02/27/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-3.40	24.00	11.00
High	5230	-3.40	24.00	11.00

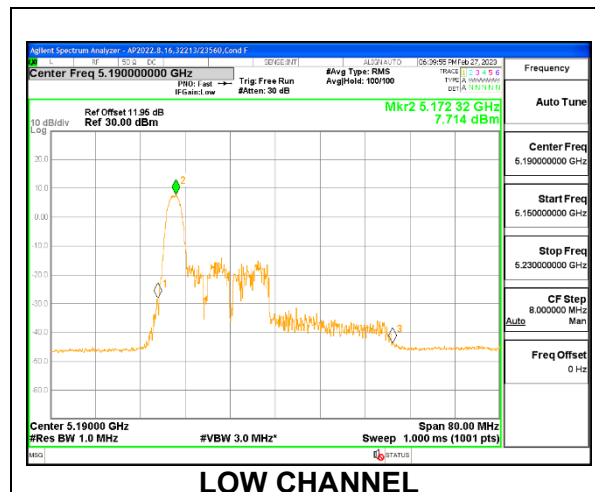
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.20	9.20	24.00	-14.80
High	5230	9.25	9.25	24.00	-14.75

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	7.714	7.714	11.00	-3.286
High	5230	8.263	8.263	11.00	-2.737



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	26118
Test Date:	06/05/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-3.40	24.00	11.00
High	5230	-3.40	24.00	11.00

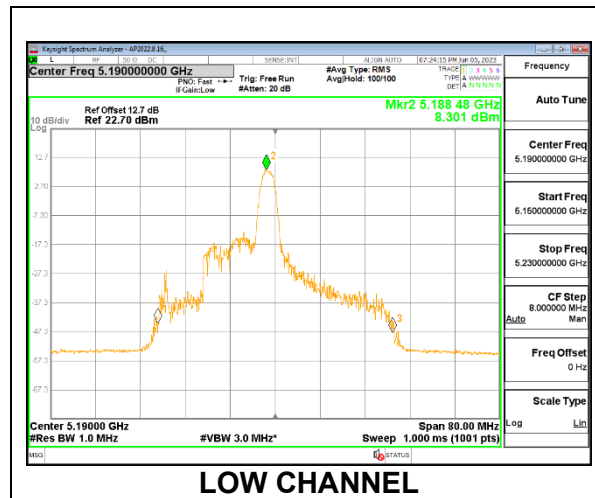
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.23	9.23	24.00	-14.77
High	5230	9.22	9.22	24.00	-14.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.301	8.301	11.00	-2.699
High	5230	8.851	8.851	11.00	-2.149



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 17

Test Engineer:	32113
Test Date:	02/27/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-3.40	24.00	11.00
High	5230	-3.40	24.00	11.00

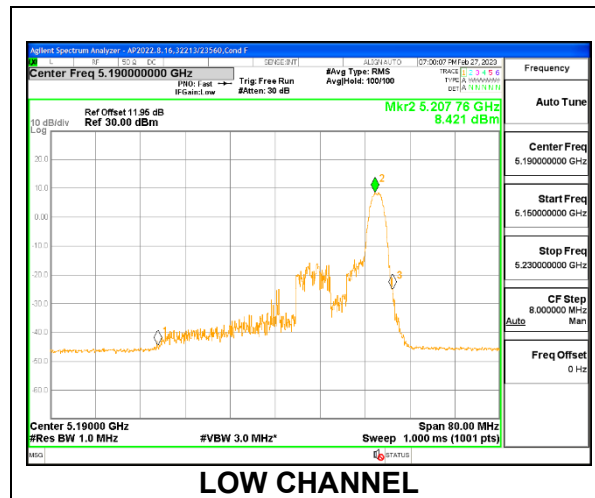
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.22	9.22	24.00	-14.78
High	5230	9.24	9.24	24.00	-14.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.421	8.421	11.00	-2.579
High	5230	8.773	8.773	11.00	-2.227



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-3.40	24.00	11.00
High	5230	-3.40	24.00	11.00

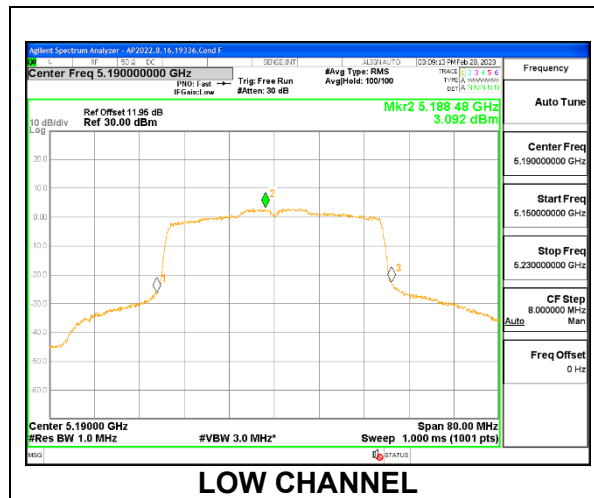
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.21	16.21	24.00	-7.79
High	5230	20.24	20.24	24.00	-3.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	3.092	3.212	11.00	-7.788
High	5230	7.541	7.661	11.00	-3.339



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	02/27/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-6.00	24.00	11.00
High	5230	-6.00	24.00	11.00

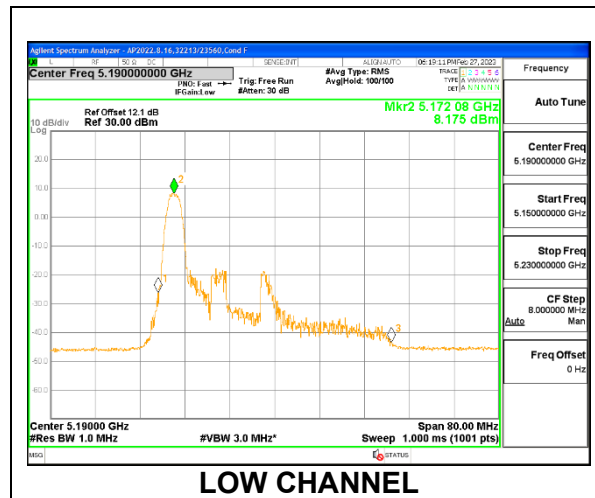
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.19	9.19	24.00	-14.81
High	5230	9.23	9.23	24.00	-14.77

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.175	8.175	11.00	-2.825
High	5230	8.325	8.325	11.00	-2.675



LOW CHANNEL

1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	26118
Test Date:	06/05/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-6.00	24.00	11.00
High	5230	-6.00	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.25	9.25	24.00	-14.75
High	5230	9.22	9.22	24.00	-14.78

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.441	8.441	11.00	-2.559
High	5230	8.294	8.294	11.00	-2.706



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 17

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-6.00	24.00	11.00
High	5230	-6.00	24.00	11.00

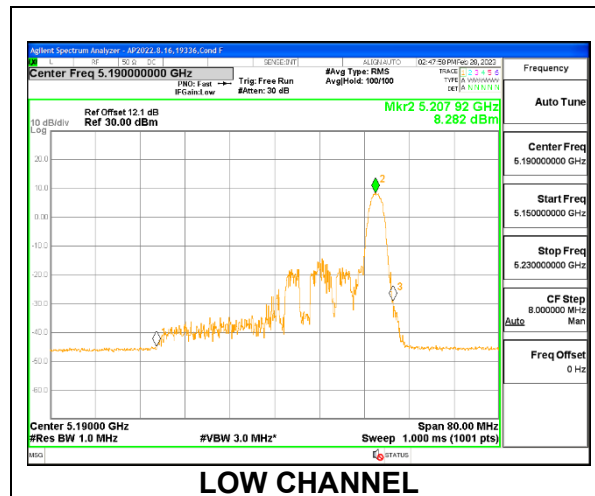
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.20	9.20	24.00	-14.80
High	5230	9.23	9.23	24.00	-14.77

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.282	8.282	11.00	-2.718
High	5230	8.529	8.529	11.00	-2.471



LOW CHANNEL

1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	-6.00	24.00	11.00
High	5230	-6.00	24.00	11.00

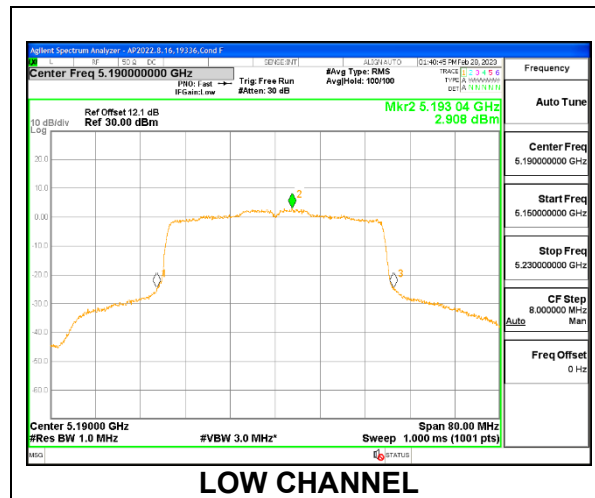
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.20	16.20	24.00	-7.80
High	5230	20.24	20.24	24.00	-3.76

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	2.908	3.028	11.00	-7.972
High	5230	7.460	7.580	11.00	-3.420



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	02/20/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.51	-1.59	24.00	11.00
High	5230	-4.51	-1.59	24.00	11.00

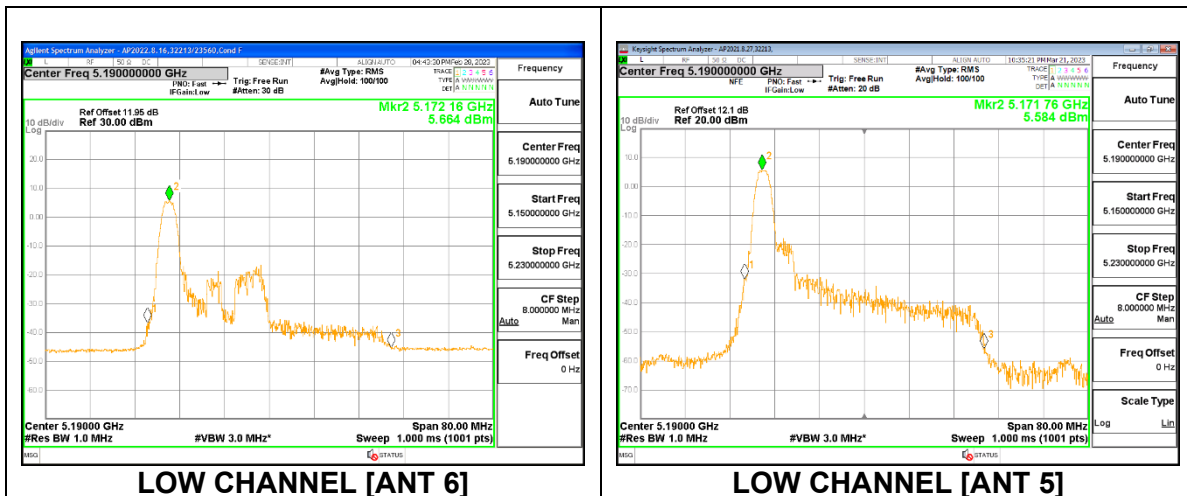
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5190	8.18	8.17	11.19	24.00	-12.81
High	5230	8.21	8.19	11.21	24.00	-12.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.664	5.584	8.634	11.00	-2.366
High	5230	6.212	5.781	9.012	11.00	-1.988



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 8

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.51	-1.59	24.00	11.00
High	5230	-4.51	-1.59	24.00	11.00

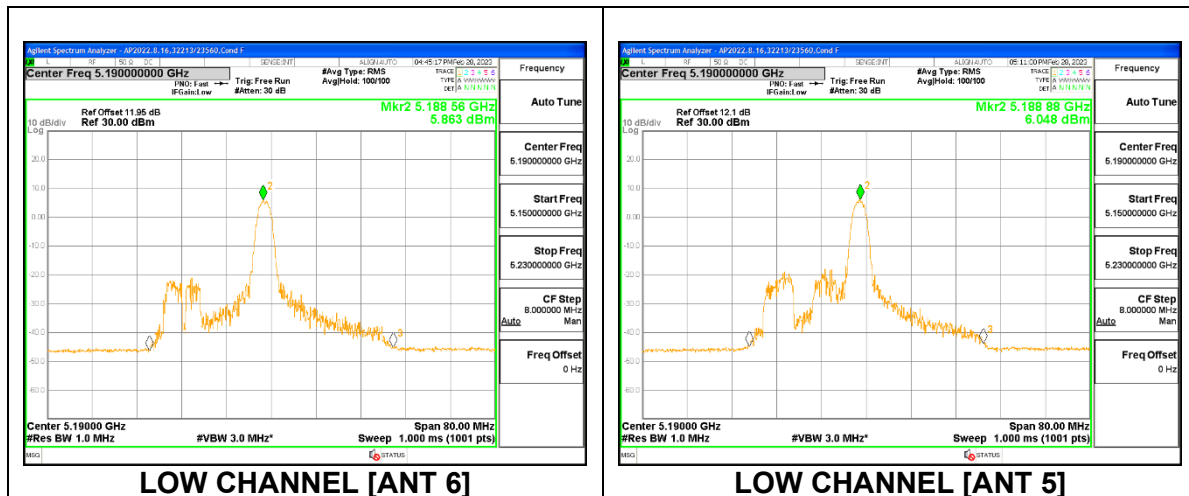
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5190	8.23	8.24	11.25	24.00	-12.75
High	5230	8.21	8.22	11.23	24.00	-12.77

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.863	6.048	8.967	11.00	-2.033
High	5230	5.800	5.927	8.874	11.00	-2.126



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 17

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.51	-1.59	24.00	11.00
High	5230	-4.51	-1.59	24.00	11.00

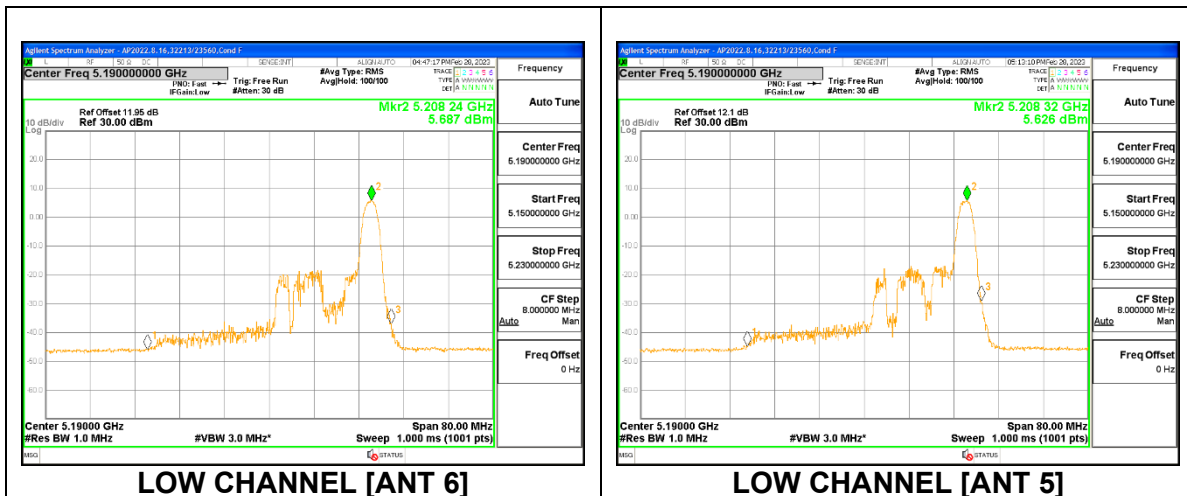
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5190	8.19	8.20	11.21	24.00	-12.79
High	5230	8.21	8.25	11.24	24.00	-12.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.687	5.626	8.667	11.00	-2.333
High	5230	6.159	6.546	9.367	11.00	-1.633



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	19336
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-4.51	-1.59	24.00	11.00
High	5230	-4.51	-1.59	24.00	11.00

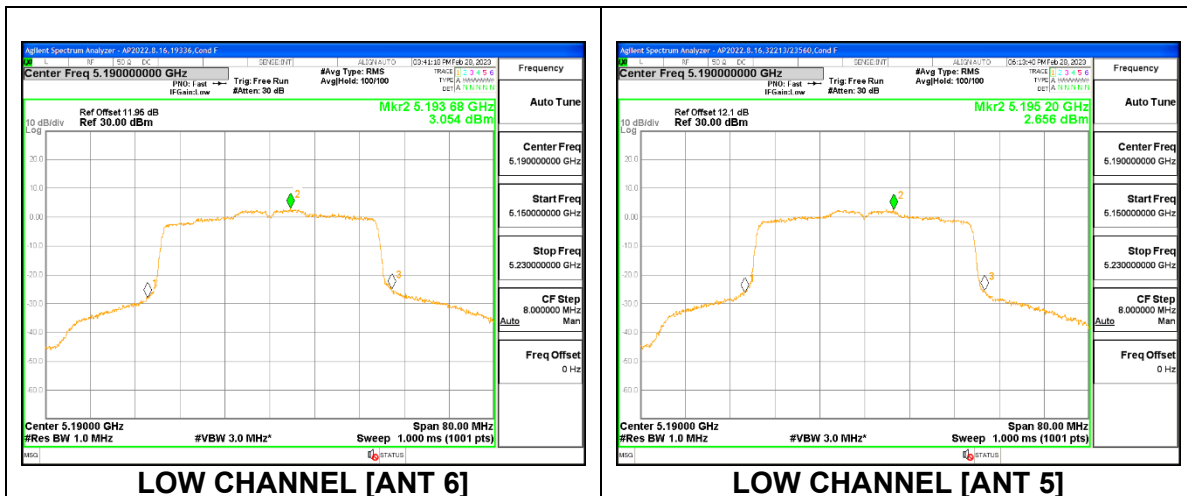
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

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	5190	15.74	15.70	18.73	24.00	-5.27
High	5230	18.75	18.74	21.76	24.00	-2.24

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.054	2.656	5.990	11.00	-5.010
High	5230	5.648	5.600	8.754	11.00	-2.246



9.4.6. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.40	24.00	11.00

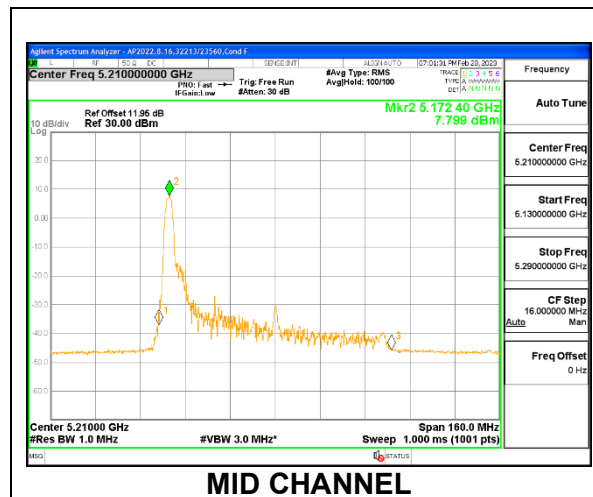
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.21	6.21	24.00	-17.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.799	7.799	11.00	-3.201



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 18

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.40	24.00	11.00

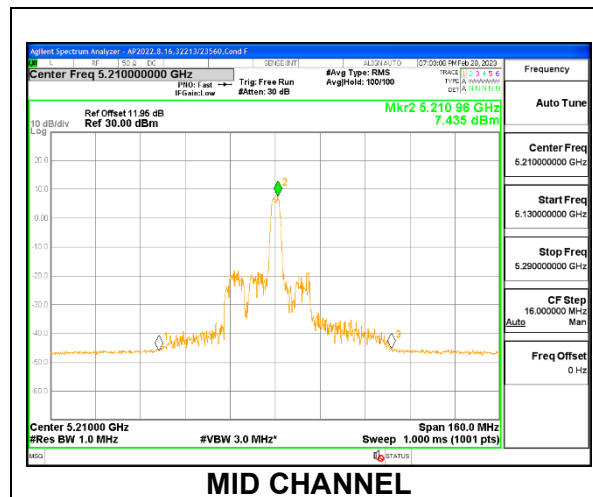
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.22	6.22	24.00	-17.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.435	7.435	11.00	-3.565



1TX Antenna 6 MODE (FCC): 26-Tone, RU Index 36

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.40	24.00	11.00

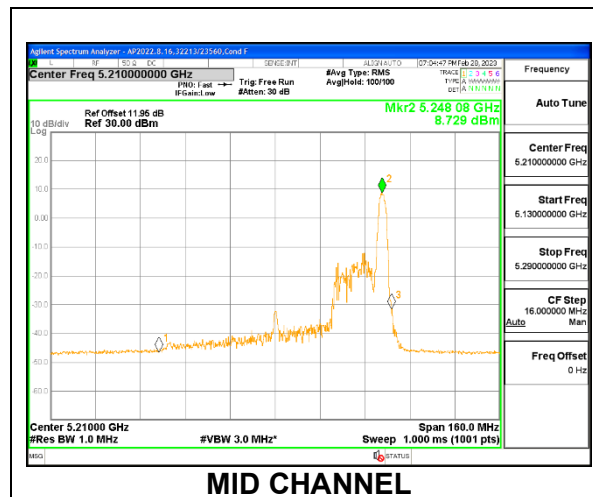
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.20	6.20	24.00	-17.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.729	8.729	11.00	-2.271



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-3.40	24.00	11.00

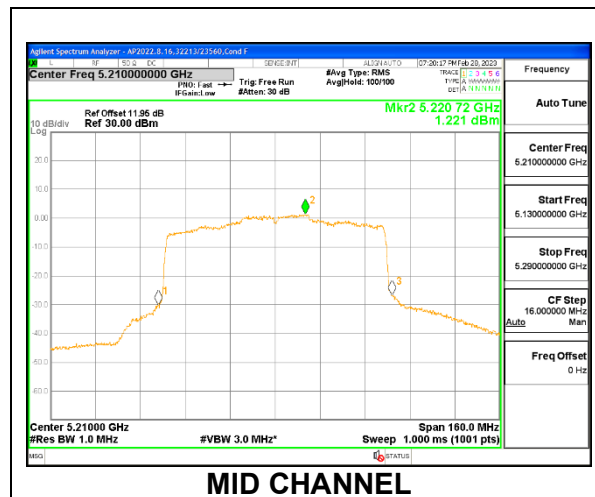
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.72	16.72	24.00	-7.28

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.221	1.431	11.00	-9.569



MID CHANNEL

1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-6.00	24.00	11.00

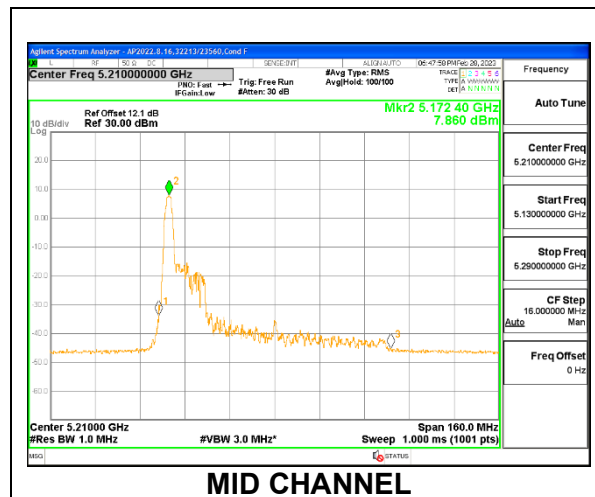
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.22	6.22	24.00	-17.78

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.860	7.860	11.00	-3.140



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 18

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-6.00	24.00	11.00

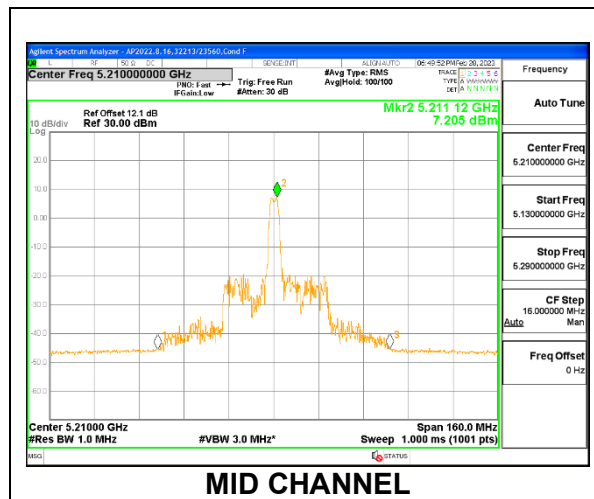
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.19	6.19	24.00	-17.81

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	7.205	7.205	11.00	-3.795



1TX Antenna 5 MODE (FCC): 26-Tone, RU Index 36

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-6.00	24.00	11.00

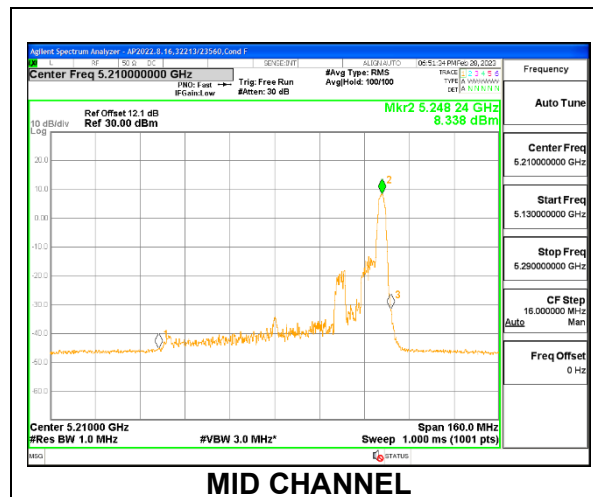
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	6.24	6.24	24.00	-17.76

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.338	8.338	11.00	-2.662



MID CHANNEL

1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-6.00	24.00	11.00

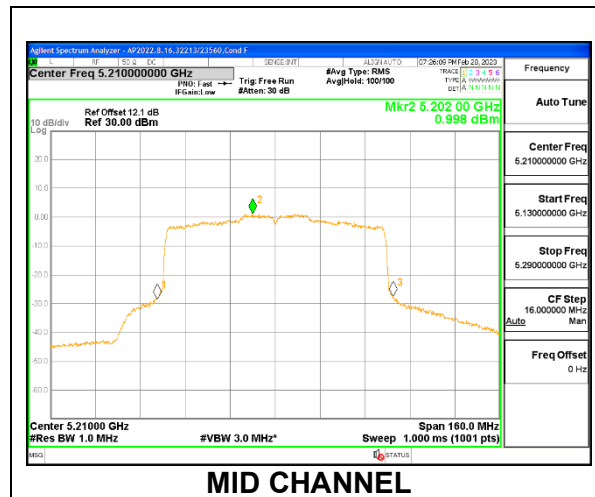
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.69	16.69	24.00	-7.31

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.998	1.208	11.00	-9.792



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 0

Test Engineer:	32213
Test Date:	03/15/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-4.51	-1.59	24.00	11.00

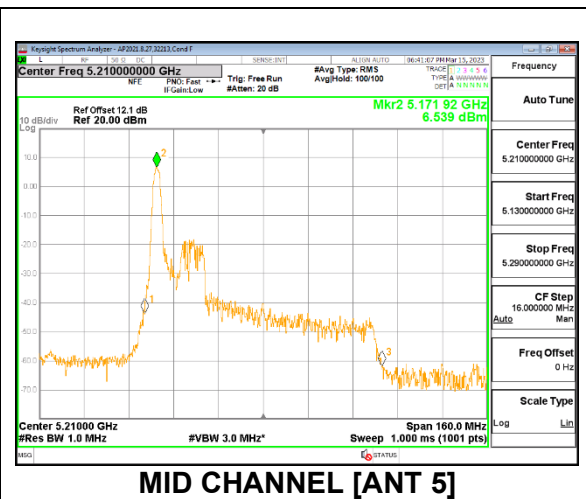
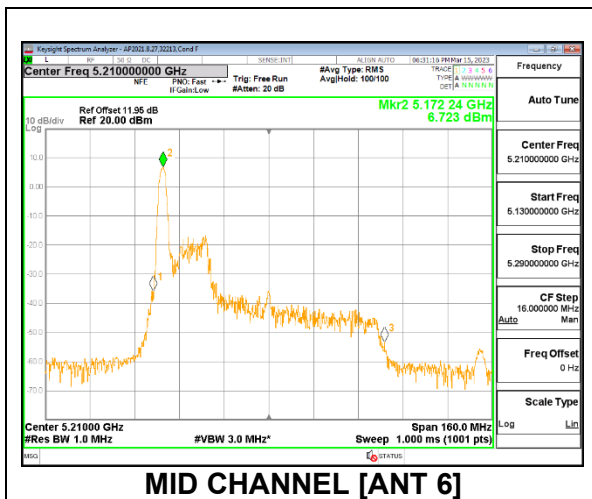
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5210	6.22	6.21	9.23	24.00	-14.77

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	6.723	6.539	9.642	11.00	-1.358



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 18

Test Engineer:	32213
Test Date:	03/15/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-4.51	-1.59	24.00	11.00

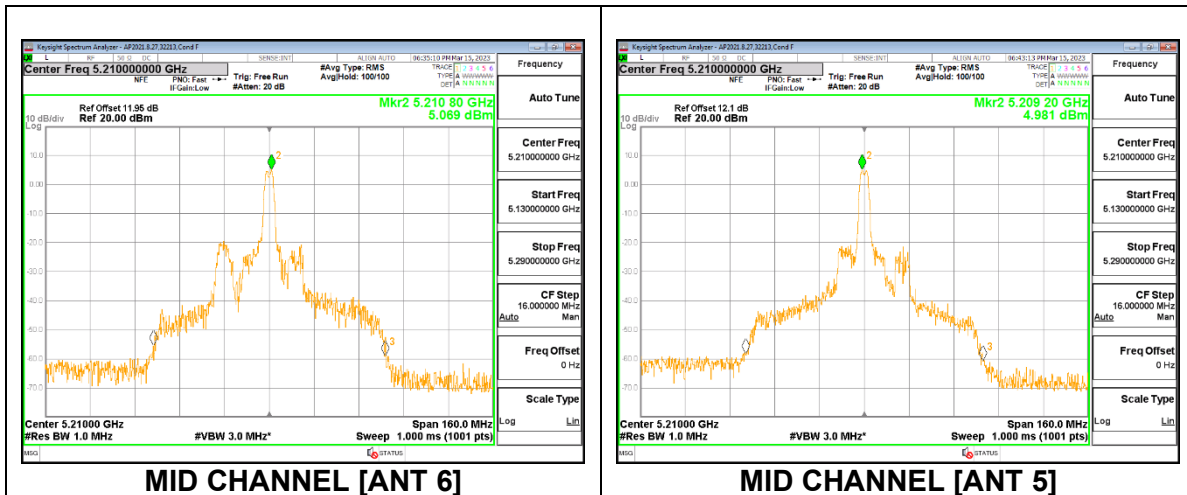
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5210	6.23	6.22	9.24	24.00	-14.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	5.069	4.981	8.036	11.00	-2.964



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 26-Tone, RU Index 36

Test Engineer:	32213
Test Date:	03/15/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-4.51	-1.59	24.00	11.00

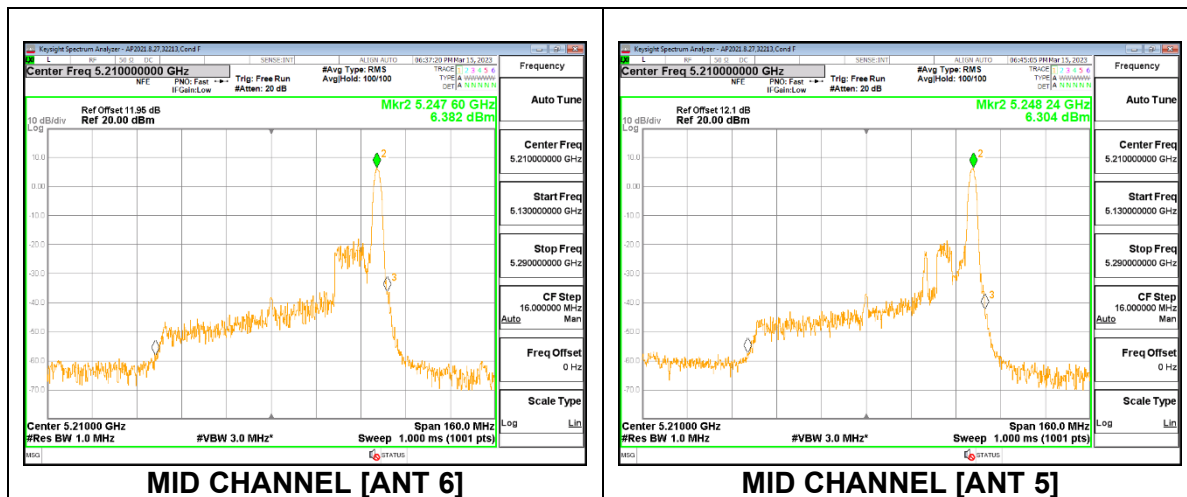
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	5210	6.22	6.20	9.22	24.00	-14.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	6.382	6.304	9.353	11.00	-1.647



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-4.51	-1.59	24.00	11.00

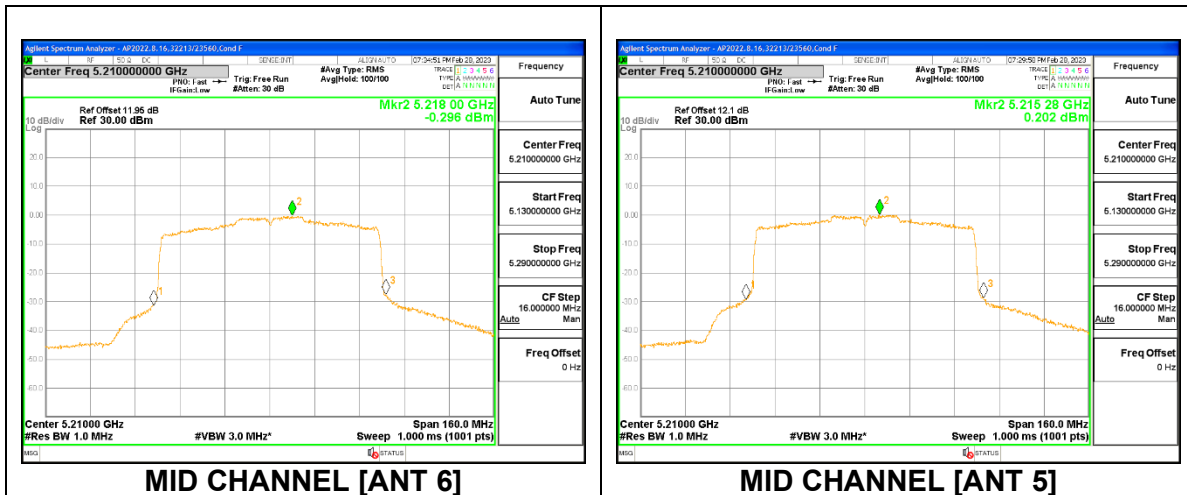
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

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	5210	15.67	15.70	18.70	24.00	-5.30

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-0.296	0.202	3.180	11.00	-7.820



9.4.7. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.45	-3.20	24.00	11.00
Mid	5300	20.77	-3.20	24.00	11.00
High	5320	20.99	-3.20	24.00	11.00

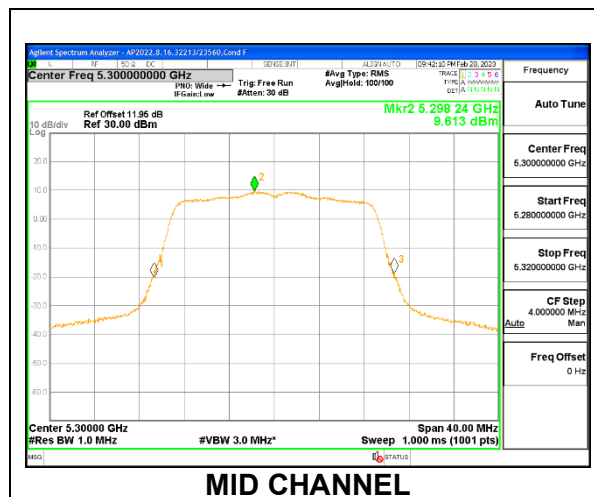
Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.19	19.19	24.00	-4.81
Mid	5300	19.22	19.22	24.00	-4.78
High	5320	18.73	18.73	24.00	-5.27

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.723	9.903	11.00	-1.097
Mid	5300	9.613	9.793	11.00	-1.207
High	5320	8.446	8.626	11.00	-2.374



1TX Antenna 5 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.05	-6.00	24.00	11.00
Mid	5300	21.00	-6.00	24.00	11.00
High	5320	21.40	-6.00	24.00	11.00

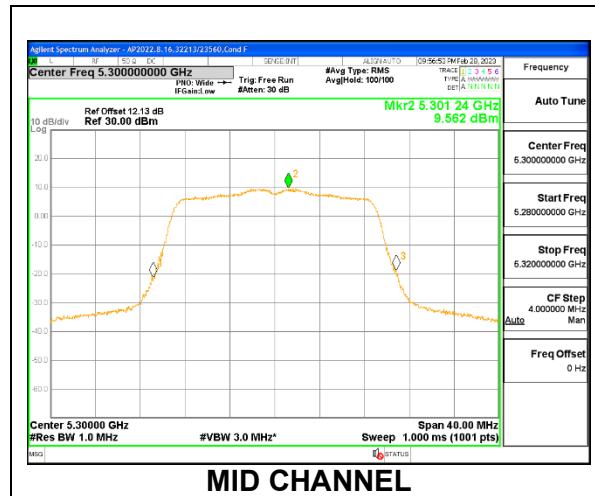
Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.18	19.18	24.00	-4.82
Mid	5300	19.20	19.20	24.00	-4.80
High	5320	18.73	18.73	24.00	-5.27

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.302	9.482	11.00	-1.518
Mid	5300	9.562	9.742	11.00	-1.258
High	5320	9.090	9.270	11.00	-1.730



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

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.780	-4.38	-1.48	24.00	11.00
Mid	5300	20.810	-4.38	-1.48	24.00	11.00
High	5320	21.000	-4.38	-1.48	24.00	11.00

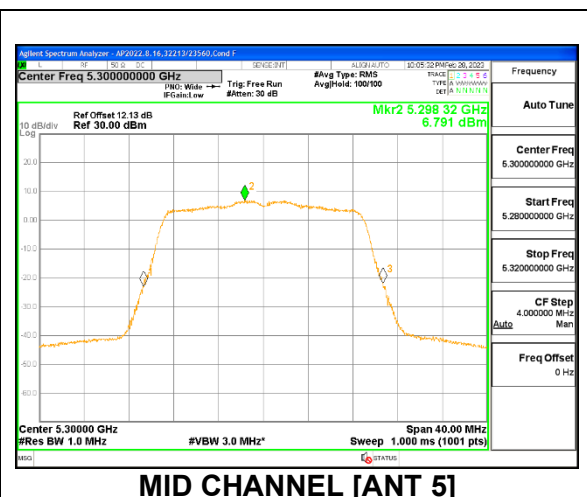
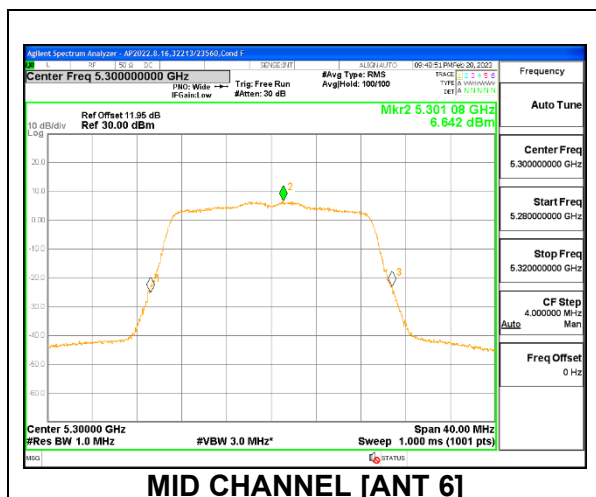
Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.16	16.25	19.22	24.00	-4.78
Mid	5300	16.20	16.22	19.22	24.00	-4.78
High	5320	16.23	16.20	19.23	24.00	-4.77

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.227	6.725	9.673	11.00	-1.327
Mid	5300	6.642	6.791	9.907	11.00	-1.093
High	5320	6.727	6.533	9.821	11.00	-1.179



9.4.8. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.77	-3.20	24.00	11.00
High	5310	42.53	-3.20	24.00	11.00

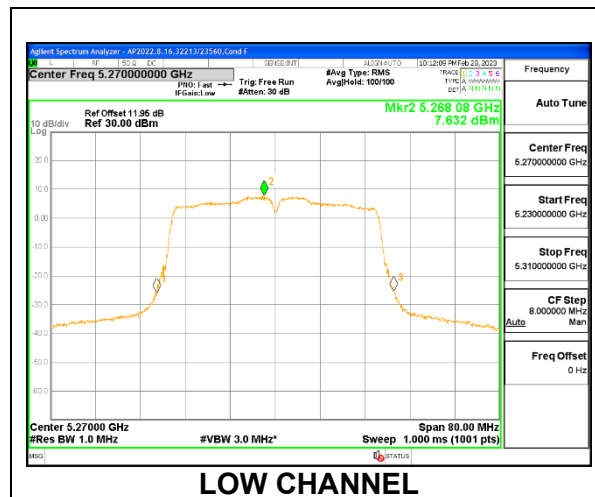
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.23	20.23	24.00	-3.77
High	5310	16.66	16.66	24.00	-7.34

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.632	7.822	11.00	-3.178
High	5310	3.949	3.949	11.00	-7.051



1TX Antenna 5 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.83	-6.00	24.00	11.00
High	5310	42.24	-6.00	24.00	11.00

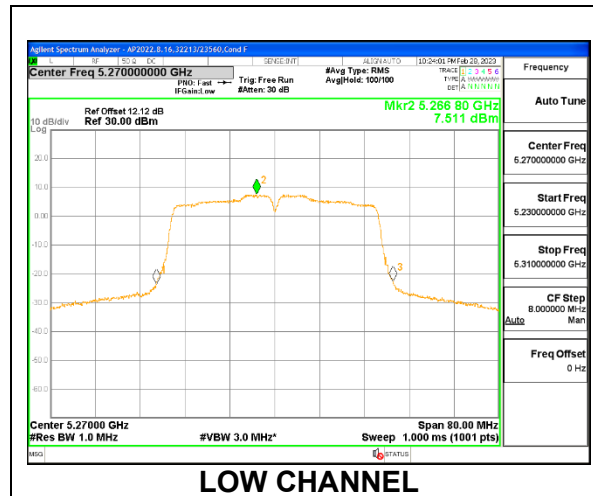
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.21	20.21	24.00	-3.79
High	5310	16.68	16.68	24.00	-7.32

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.511	7.701	11.00	-3.299
High	5310	3.823	3.823	11.00	-7.177



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

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.70	-4.38	-1.48	24.00	11.00
High	5310	41.45	-4.38	-1.48	24.00	11.00

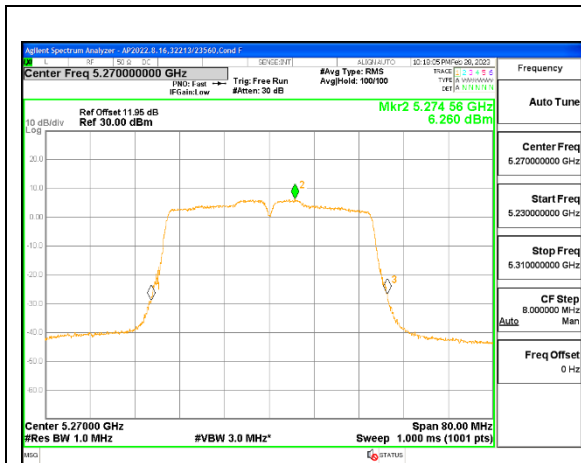
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd PSD
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Output Power Results

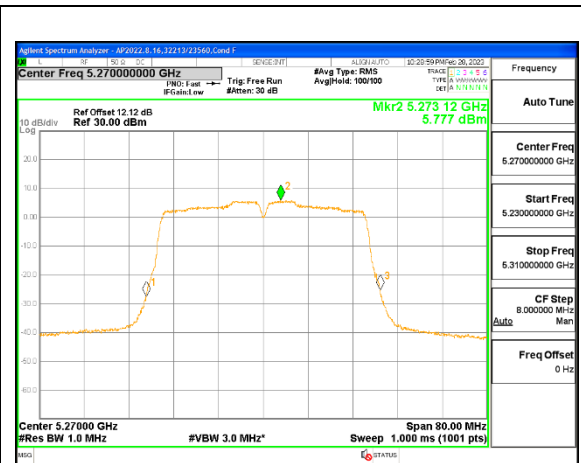
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	18.70	18.66	21.69	24.00	-2.31
High	5310	15.19	15.17	18.19	24.00	-5.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.260	5.777	9.226	11.00	-1.774
High	5310	2.456	2.321	5.589	11.00	-5.411



LOW CHANNEL [ANT 6]



LOW CHANNEL [ANT 5]

9.4.9. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	82.73	-3.20	24.00	11.00

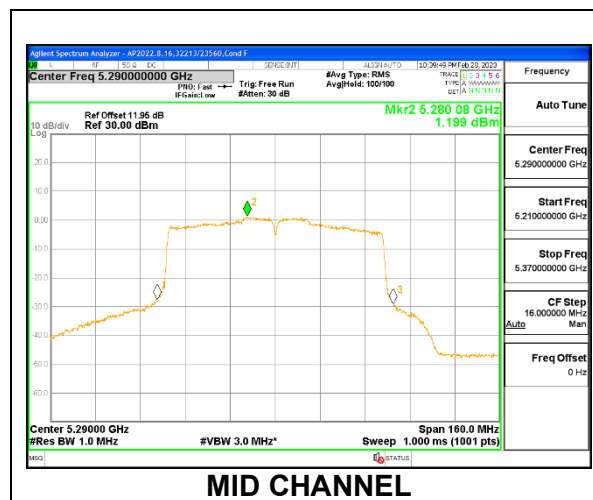
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.70	16.70	24.00	-7.30

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	1.199	1.569	11.00	-9.431



1TX Antenna 5 MODE (FCC)

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	81.09	-6.00	24.00	11.00

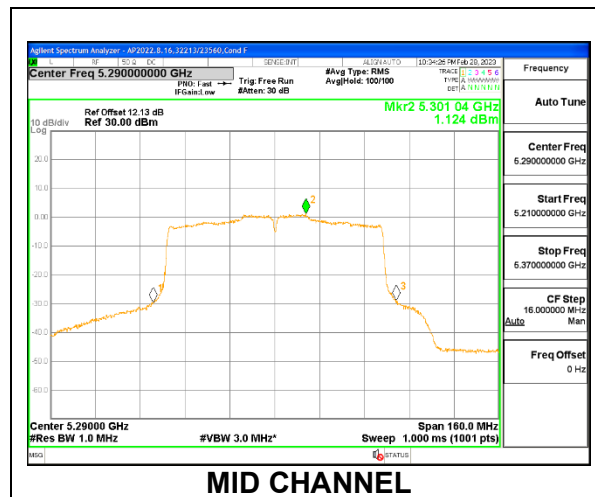
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.74	16.74	24.00	-7.26

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	1.124	1.494	11.00	-9.506



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

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	81.74	-4.38	-1.48	24.00	11.00

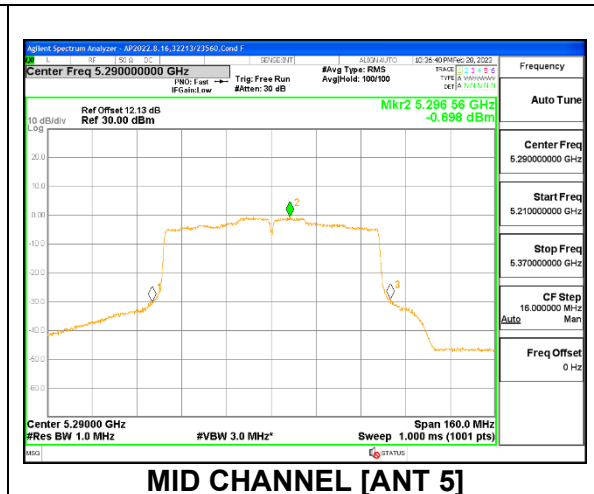
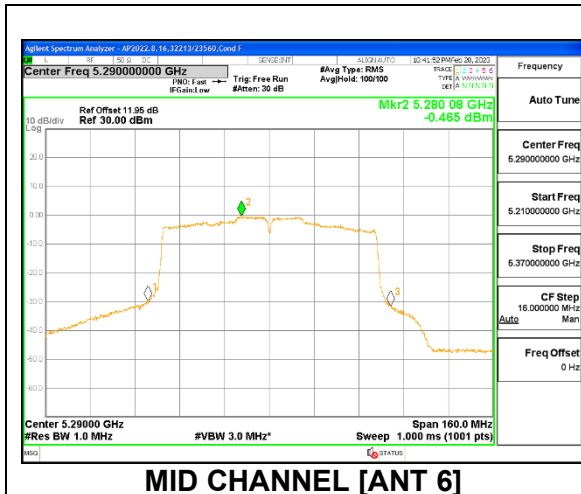
Duty Cycle CF (dB)	0.37	Included in Calculations of Corr'd PSD
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Output Power Results

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	15.25	15.20	18.24	24.00	-5.76

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	-0.465	-0.698	2.800	11.00	-8.200



9.4.10. 802.11ac VHT160 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	162.20	-3.20	24.00	11.00

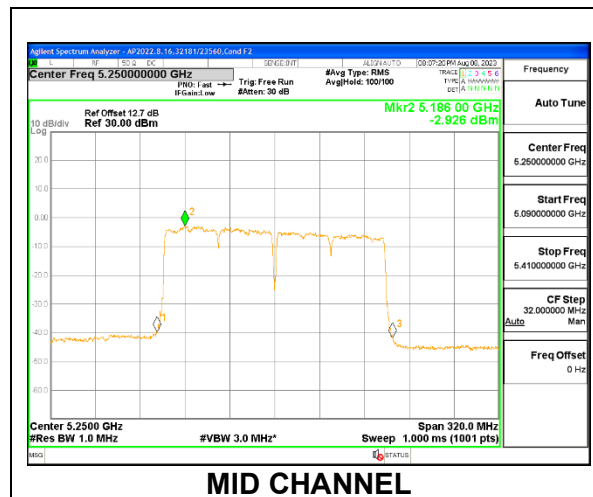
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	16.21	16.21	24.00	-7.79

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	-2.926	-2.926	11.00	-13.926



1TX Antenna 5 MODE (FCC)

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	164.10	-6.00	24.00	11.00

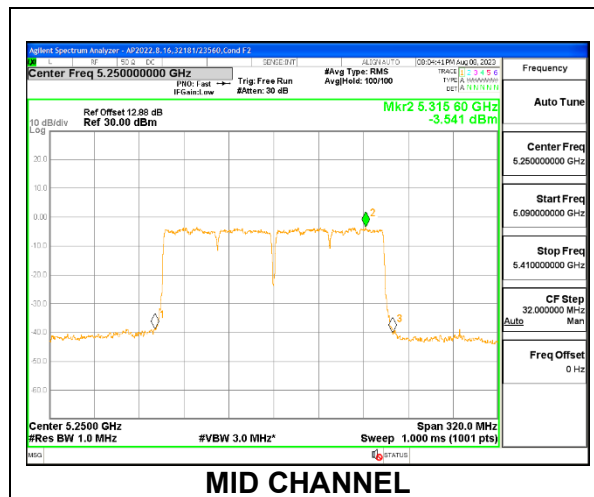
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	16.17	16.17	24.00	-7.83

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	-3.541	-3.541	11.00	-14.541



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

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	162.40	-4.38	-1.48	24.00	11.00

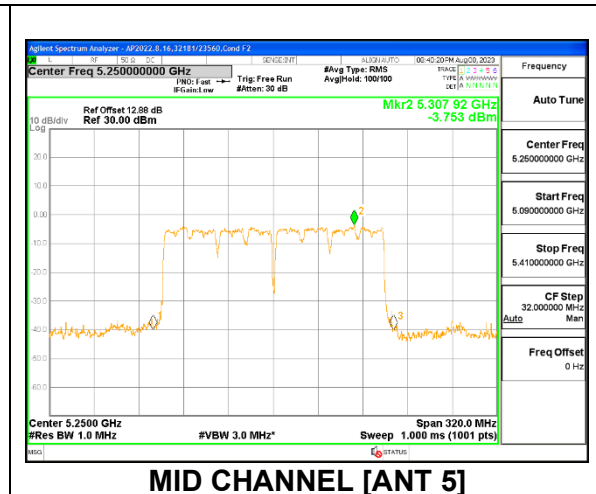
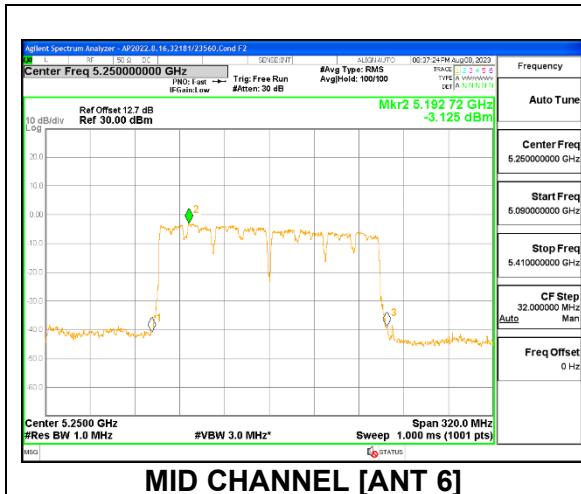
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	15.21	15.18	18.21	24.00	-5.79

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	-3.125	-3.753	-0.417	11.00	-11.417



9.4.11. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	06/16/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.31	-3.20	24.00	11.00
Mid	5300	20.12	-3.20	24.00	11.00
High	5320	20.12	-3.20	24.00	11.00

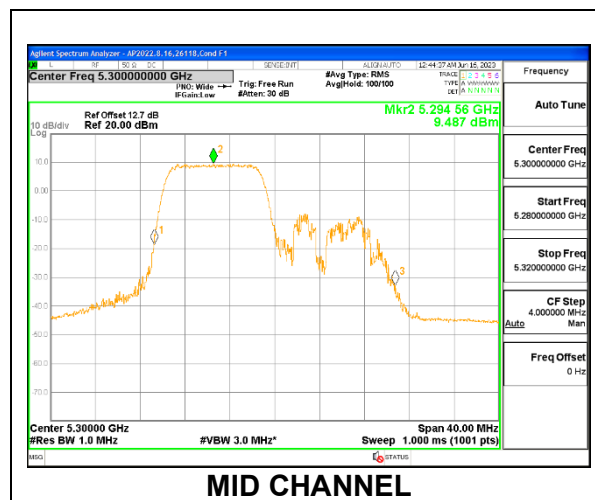
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.24	17.24	24.00	-6.76
Mid	5300	17.20	17.20	24.00	-6.80
High	5320	17.22	17.22	24.00	-6.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.562	9.562	11.00	-1.438
Mid	5300	9.487	9.487	11.00	-1.513
High	5320	9.475	9.475	11.00	-1.525



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	06/16/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.830	-3.20	24.00	11.00
Mid	5300	20.630	-3.20	24.00	11.00
High	5320	20.730	-3.20	24.00	11.00

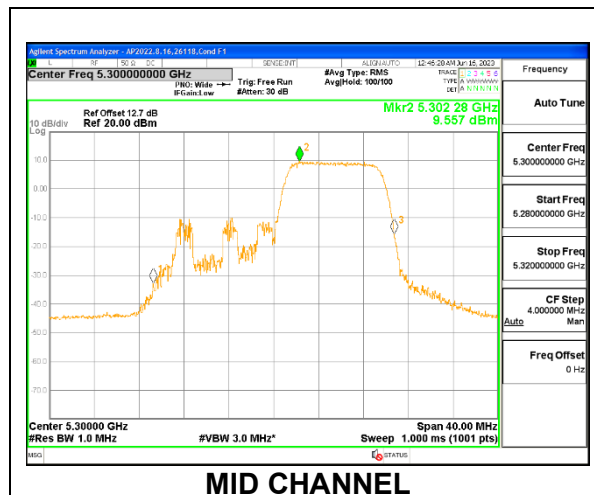
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.22	17.22	24.00	-6.78
Mid	5300	17.21	17.21	24.00	-6.79
High	5320	17.19	17.19	24.00	-6.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.798	9.798	11.00	-1.202
Mid	5300	9.557	9.557	11.00	-1.443
High	5320	9.457	9.457	11.00	-1.543



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.79	-3.20	24.00	11.00
Mid	5300	20.67	-3.20	24.00	11.00
High	5320	21.24	-3.20	24.00	11.00

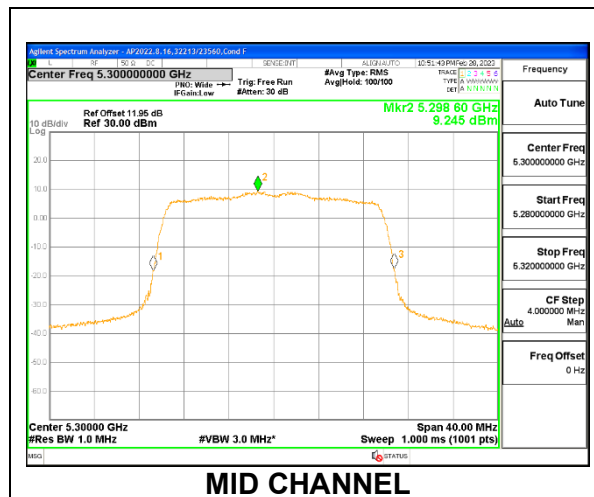
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.20	19.20	24.00	-4.80
Mid	5300	19.22	19.22	24.00	-4.78
High	5320	18.19	18.19	24.00	-5.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.197	9.197	11.00	-1.803
Mid	5300	9.245	9.245	11.00	-1.755
High	5320	8.279	8.279	11.00	-2.721



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	06/15/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.544	-6.00	24.00	11.00
Mid	5300	20.390	-6.00	24.00	11.00
High	5320	20.378	-6.00	24.00	11.00

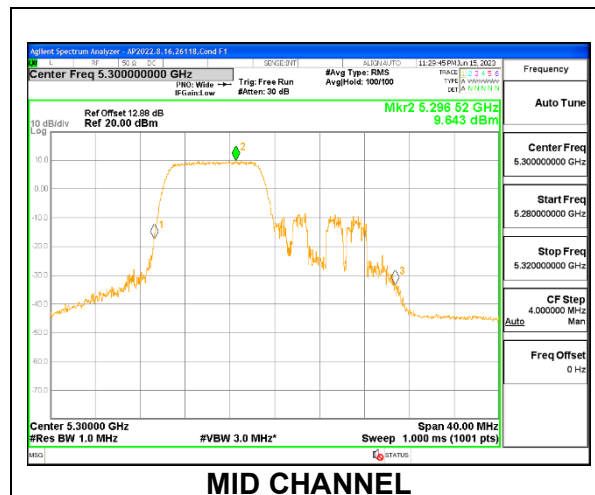
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.23	17.23	24.00	-6.77
Mid	5300	17.24	17.24	24.00	-6.76
High	5320	17.19	17.19	24.00	-6.81

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.776	9.776	11.00	-1.224
Mid	5300	9.643	9.643	11.00	-1.357
High	5320	9.199	9.199	11.00	-1.801



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	06/15/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.300	-6.00	24.00	11.00
Mid	5300	20.744	-6.00	24.00	11.00
High	5320	20.414	-6.00	24.00	11.00

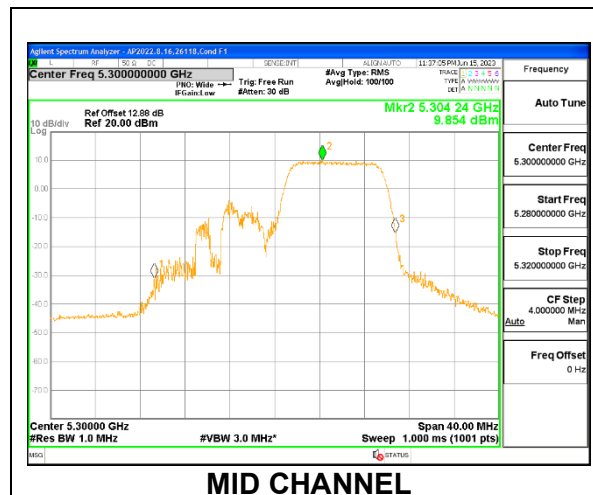
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	17.22	17.22	24.00	-6.78
Mid	5300	17.25	17.25	24.00	-6.75
High	5320	17.24	17.24	24.00	-6.76

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.461	9.461	11.00	-1.539
Mid	5300	9.854	9.854	11.00	-1.146
High	5320	9.364	9.364	11.00	-1.636



1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.51	-6.00	24.00	11.00
Mid	5300	20.77	-6.00	24.00	11.00
High	5320	20.90	-6.00	24.00	11.00

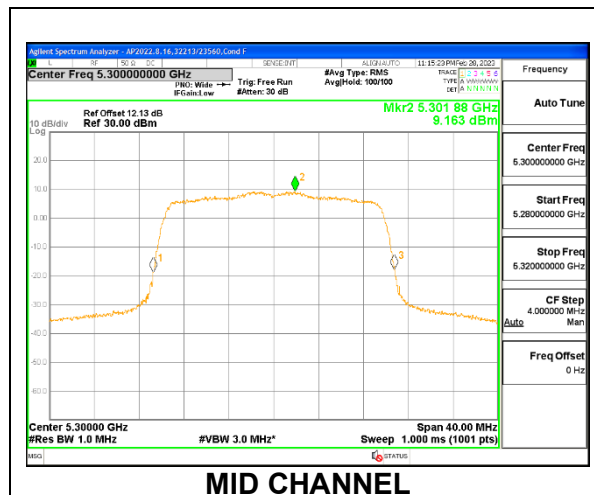
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.25	19.25	24.00	-4.75
Mid	5300	19.18	19.18	24.00	-4.82
High	5320	18.20	18.20	24.00	-5.80

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.503	9.503	11.00	-1.497
Mid	5300	9.163	9.163	11.00	-1.837
High	5320	8.397	8.397	11.00	-2.603



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.837	-4.38	-1.48	23.97	11.00
Mid	5300	20.350	-4.38	-1.48	24.00	11.00
High	5320	20.179	-4.38	-1.48	24.00	11.00

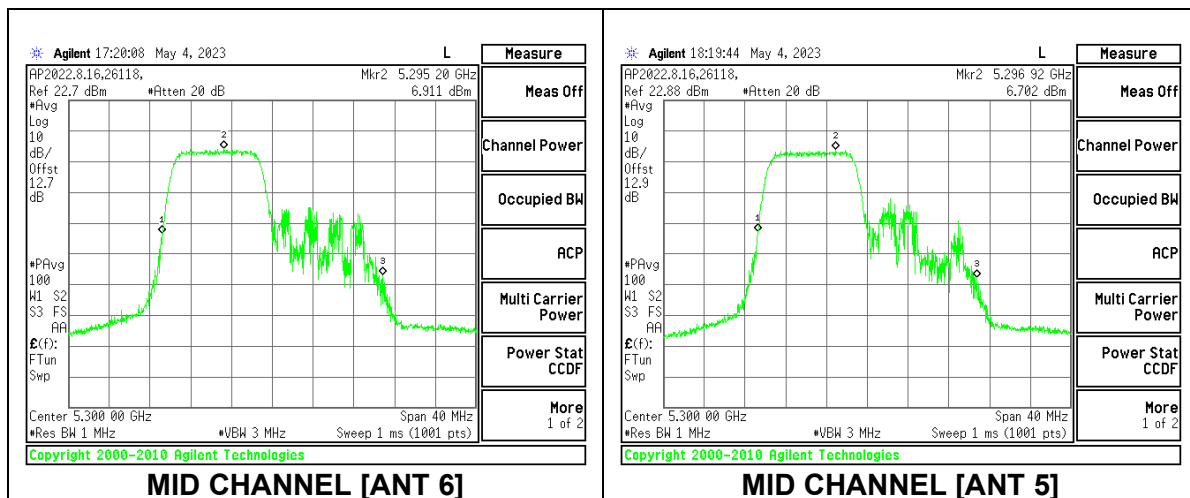
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	14.20	14.17	17.20	23.97	-6.78
Mid	5300	14.19	14.16	17.19	24.00	-6.81
High	5320	14.14	14.15	17.16	24.00	-6.84

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	7.022	6.783	9.914	11.00	-1.086
Mid	5300	6.911	6.702	9.818	11.00	-1.182
High	5320	6.538	6.581	9.570	11.00	-1.430



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.660	-4.38	-1.48	23.94	11.00
Mid	5300	19.723	-4.38	-1.48	23.95	11.00
High	5320	19.977	-4.38	-1.48	24.00	11.00

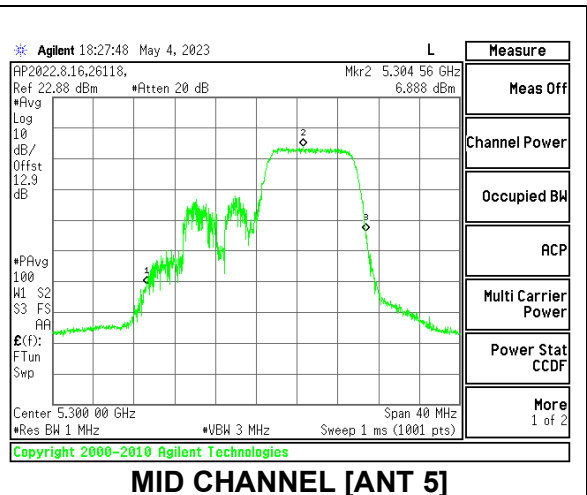
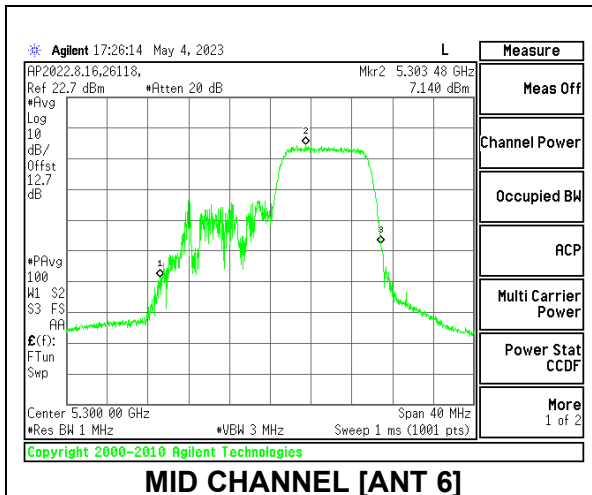
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	14.23	14.20	17.23	23.94	-6.71
Mid	5300	14.24	14.22	17.24	23.95	-6.71
High	5320	14.19	14.17	17.19	24.00	-6.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.897	6.645	9.783	11.00	-1.217
Mid	5300	7.140	6.888	10.026	11.00	-0.974
High	5320	6.695	6.539	9.628	11.00	-1.372



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.56	-4.38	-1.48	24.00	11.00
Mid	5300	20.68	-4.38	-1.48	24.00	11.00
High	5320	20.67	-4.38	-1.48	24.00	11.00

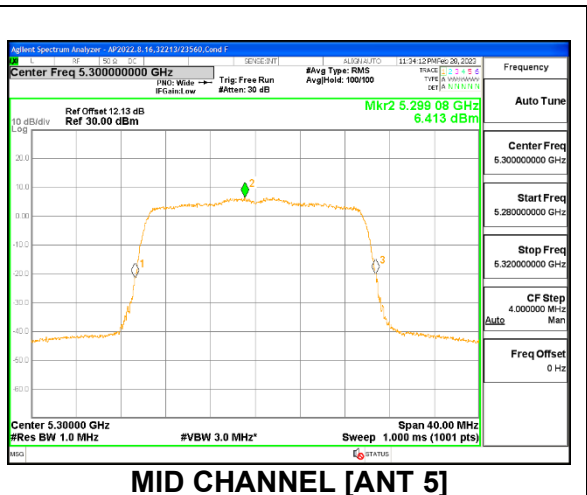
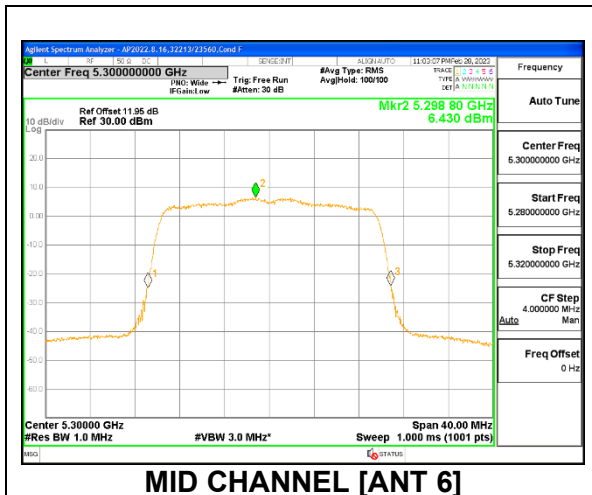
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.23	16.22	19.24	24.00	-4.76
Mid	5300	16.17	16.25	19.22	24.00	-4.78
High	5320	16.20	16.19	19.21	24.00	-4.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.487	6.293	9.401	11.00	-1.599
Mid	5300	6.430	6.413	9.432	11.00	-1.568
High	5320	6.238	6.274	9.266	11.00	-1.734



9.4.12. 802.11ax HE40 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	21.72	-3.20	24.00	11.00
High	5310	21.50	-3.20	24.00	11.00

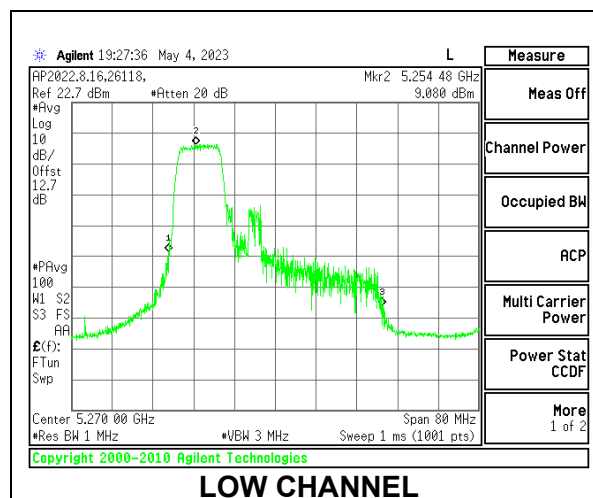
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.24	15.24	24.00	-8.76
High	5310	15.21	15.21	24.00	-8.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	9.080	9.080	11.00	-1.920
High	5310	7.896	7.896	11.00	-3.104



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	26.09	-3.20	24.00	11.00
High	5310	26.77	-3.20	24.00	11.00

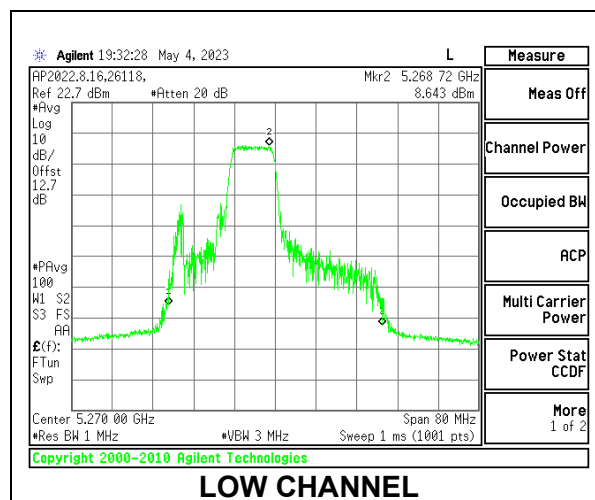
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.22	15.22	24.00	-8.78
High	5310	15.19	15.19	24.00	-8.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	8.643	8.643	11.00	-2.357
High	5310	7.819	7.819	11.00	-3.181



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.43	-3.20	24.00	11.00
High	5310	22.94	-3.20	24.00	11.00

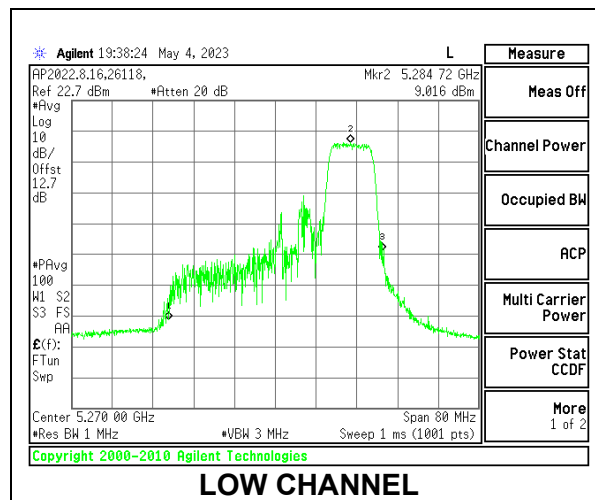
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.25	15.25	24.00	-8.75
High	5310	15.24	15.24	24.00	-8.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	9.016	9.016	11.00	-1.984
High	5310	8.033	8.033	11.00	-2.967



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.12	-3.20	24.00	11.00
High	5310	41.17	-3.20	24.00	11.00

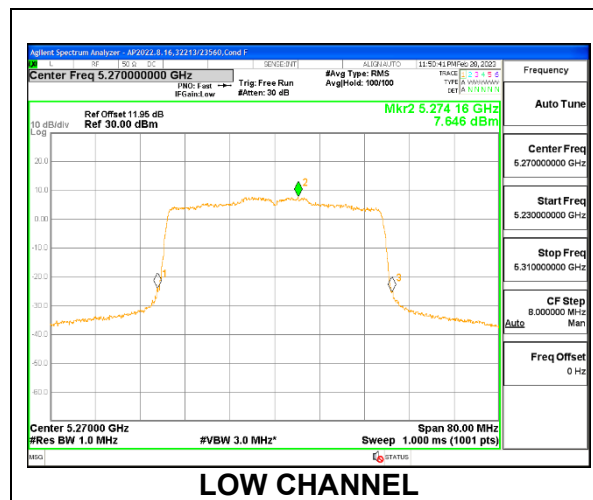
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.20	20.20	24.00	-3.80
High	5310	15.69	15.69	24.00	-8.31

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.646	7.766	11.00	-3.234
High	5310	3.107	3.227	11.00	-7.773



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.01	-6.00	24.00	11.00
High	5310	22.03	-6.00	24.00	11.00

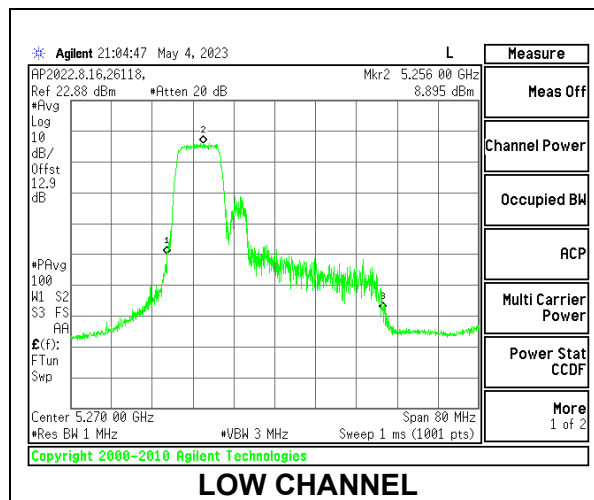
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.21	15.21	24.00	-8.79
High	5310	15.24	15.24	24.00	-8.76

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	8.895	8.895	11.00	-2.105
High	5310	8.049	8.049	11.00	-2.951



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	27.41	-6.00	24.00	11.00
High	5310	27.32	-6.00	24.00	11.00

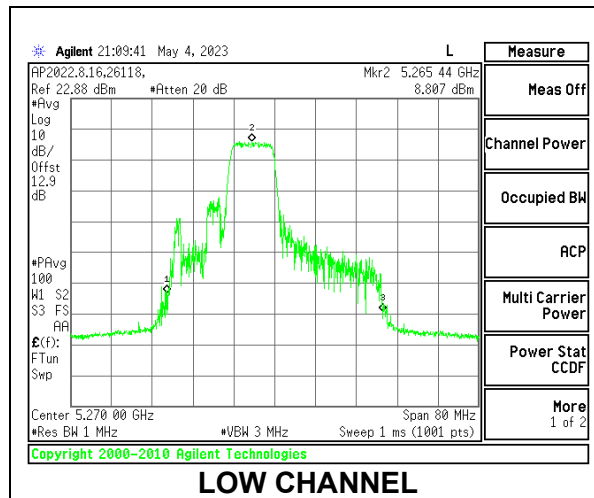
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.21	15.21	24.00	-8.79
High	5310	15.20	15.20	24.00	-8.80

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	8.807	8.807	11.00	-2.193
High	5310	7.973	7.973	11.00	-3.027



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	22.02	-6.00	24.00	11.00
High	5310	22.49	-6.00	24.00	11.00

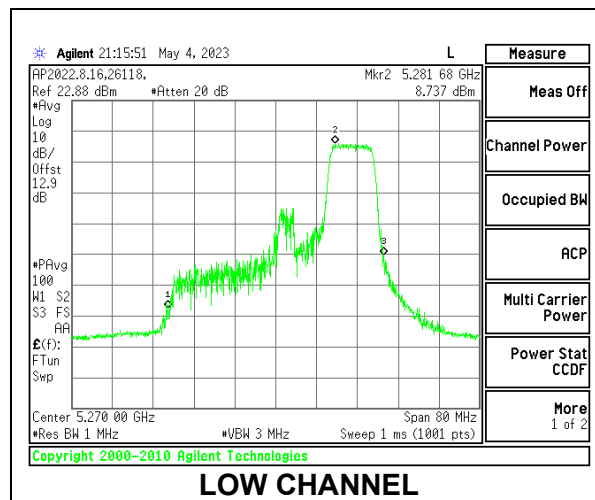
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	15.19	15.19	24.00	-8.81
High	5310	15.23	15.23	24.00	-8.77

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	8.737	8.737	11.00	-2.263
High	5310	7.964	7.964	11.00	-3.036



LOW CHANNEL

1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	32213
Test Date:	02/28/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	40.38	-6.00	24.00	11.00
High	5310	39.74	-6.00	24.00	11.00

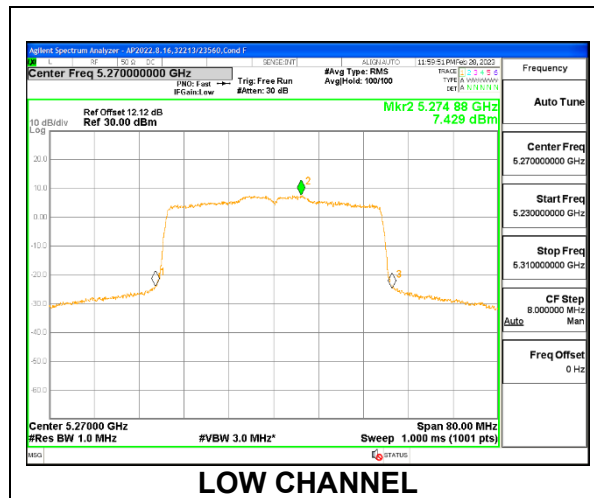
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.18	20.18	24.00	-3.82
High	5310	15.70	15.70	24.00	-8.30

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.429	7.549	11.00	-3.451
High	5310	2.991	3.111	11.00	-7.889



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	20.041	-4.38	-1.48	24.00	11.00
High	5310	20.378	-4.38	-1.48	24.00	11.00

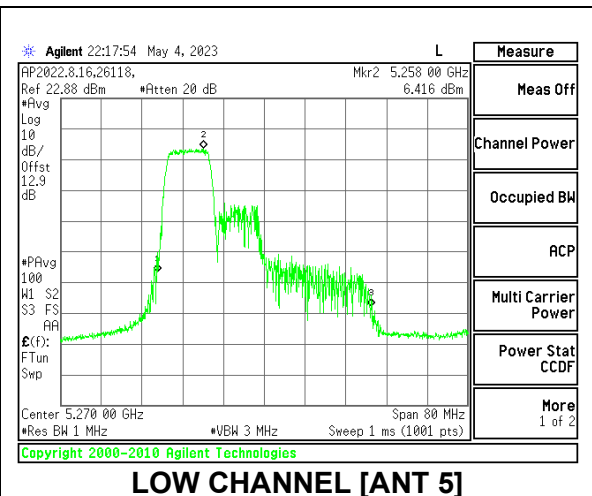
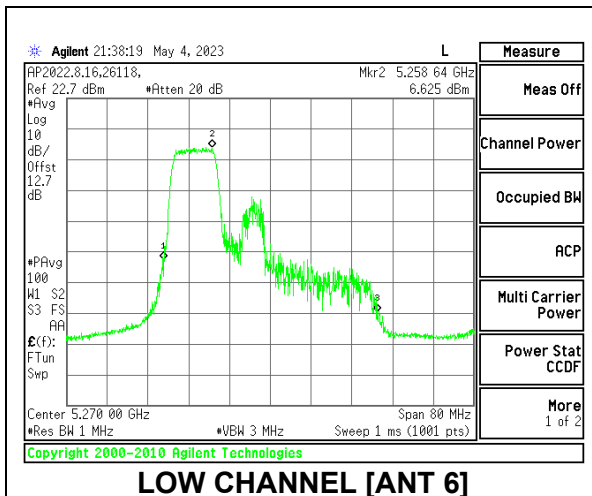
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.20	14.17	17.20	24.00	-6.80
High	5310	14.19	14.25	17.23	24.00	-6.77

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.625	6.416	9.532	11.00	-1.468
High	5310	6.605	6.919	9.775	11.00	-1.225



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 54

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	26.220	-4.38	-1.48	24.00	11.00
High	5310	26.438	-4.38	-1.48	24.00	11.00

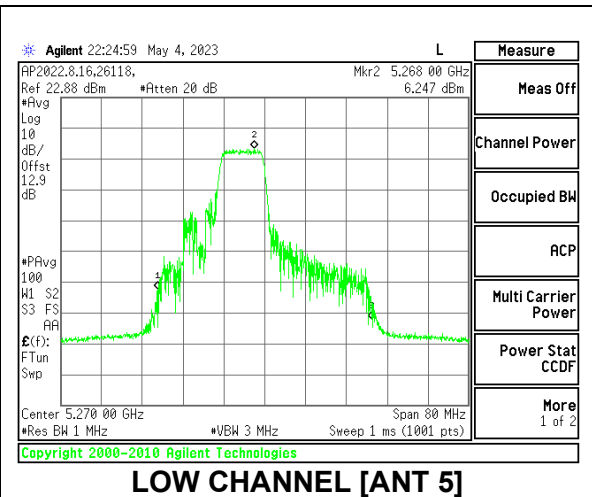
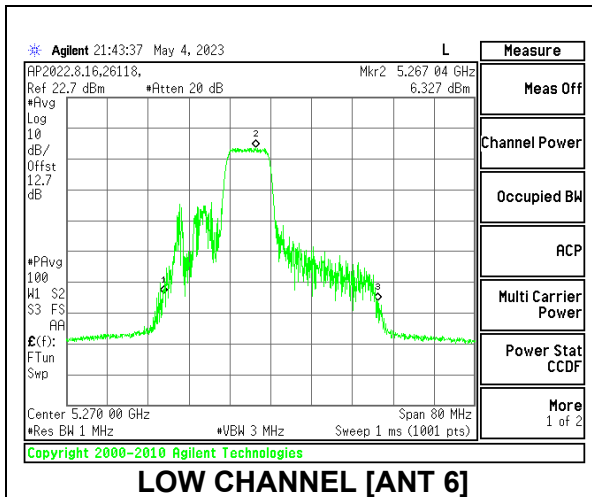
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.21	14.19	17.21	24.00	-6.79
High	5310	14.24	14.23	17.25	24.00	-6.75

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.327	6.247	9.297	11.00	-1.703
High	5310	6.430	6.405	9.428	11.00	-1.572



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	20.424	-4.38	-1.48	24.00	11.00
High	5310	21.211	-4.38	-1.48	24.00	11.00

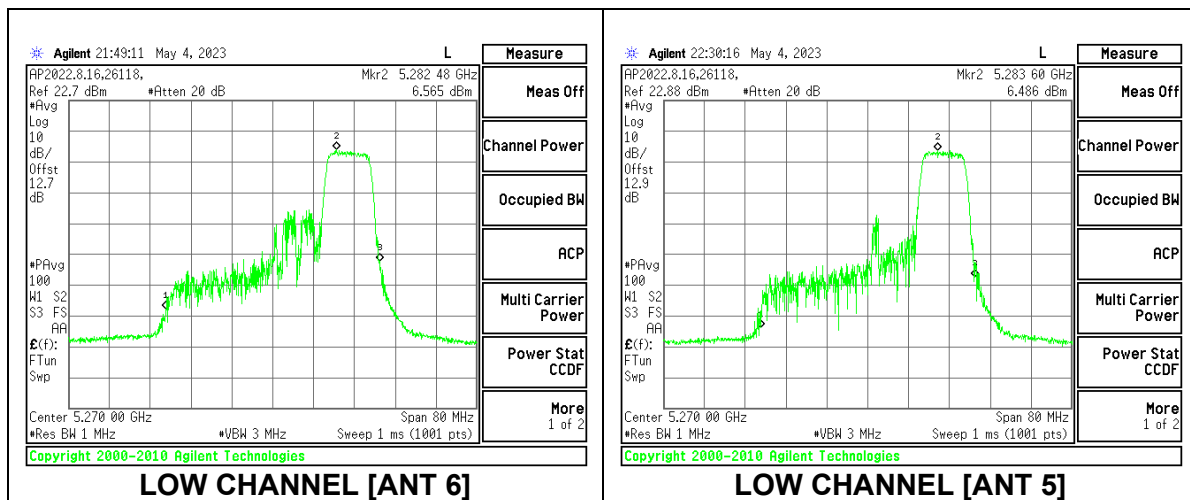
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.23	14.21	17.23	24.00	-6.77
High	5310	14.19	14.20	17.21	24.00	-6.79

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.565	6.486	9.536	11.00	-1.464
High	5310	6.291	6.420	9.366	11.00	-1.634



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	39.860	-4.38	-1.48	24.00	11.00
High	5310	40.130	-4.38	-1.48	24.00	11.00

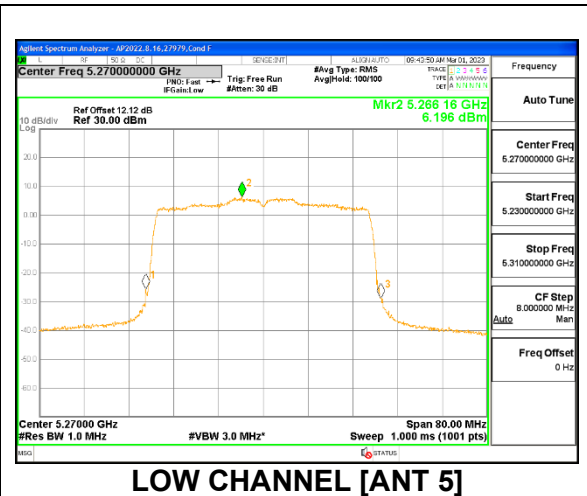
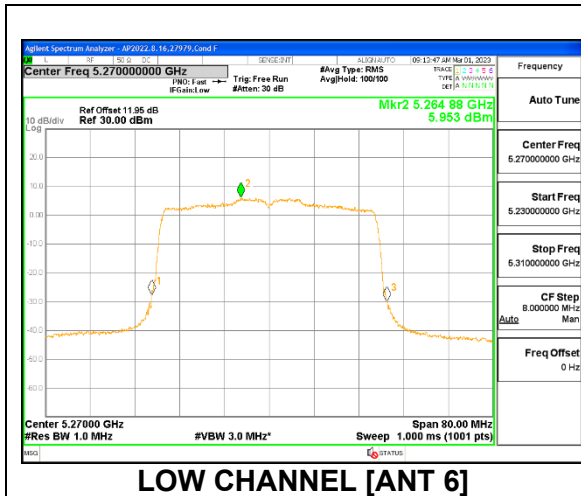
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	18.69	18.73	21.72	24.00	-2.28
High	5310	15.23	15.22	18.24	24.00	-5.76

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	5.953	6.196	9.206	11.00	-1.794
High	5310	2.448	2.258	5.484	11.00	-5.516



9.4.13. 802.11ax HE80 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.14	-3.20	24.00	11.00

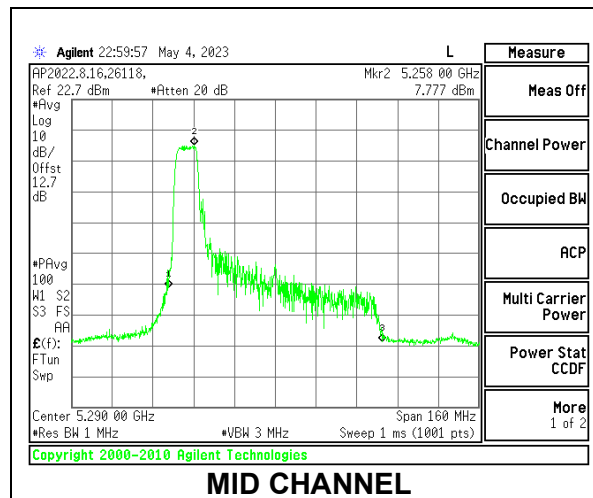
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.22	12.22	24.00	-11.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	7.777	7.78	11.00	-3.22



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	23.66	-3.20	24.00	11.00

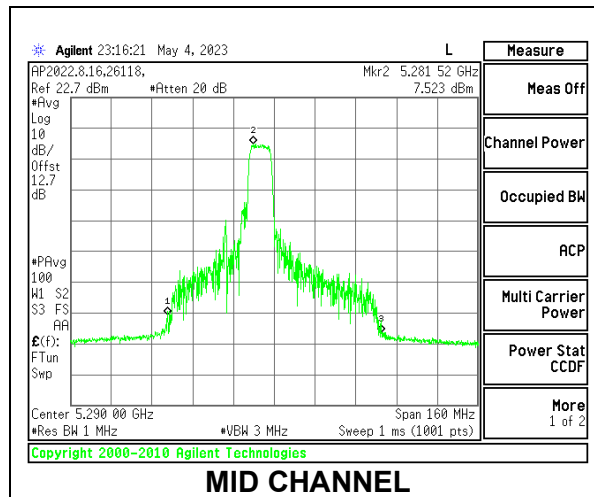
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.19	12.19	24.00	-11.81

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	7.523	7.52	11.00	-3.48



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.74	-3.20	24.00	11.00

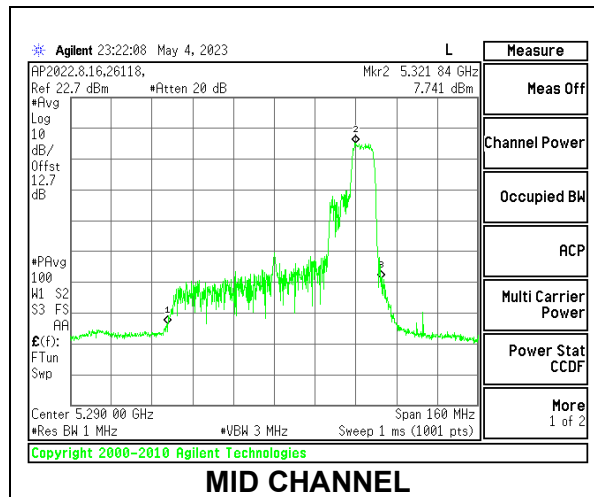
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.23	12.23	24.00	-11.77

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	7.741	7.74	11.00	-3.26



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.12	-3.20	24.00	11.00

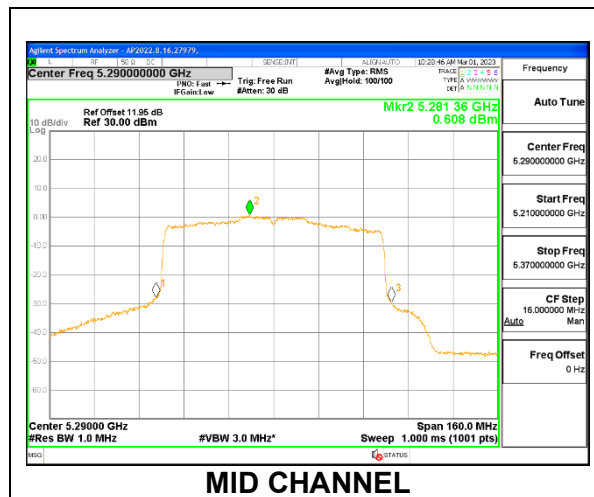
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.20	16.20	24.00	-7.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	0.608	0.818	11.00	-10.18



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.54	-6.00	24.00	11.00

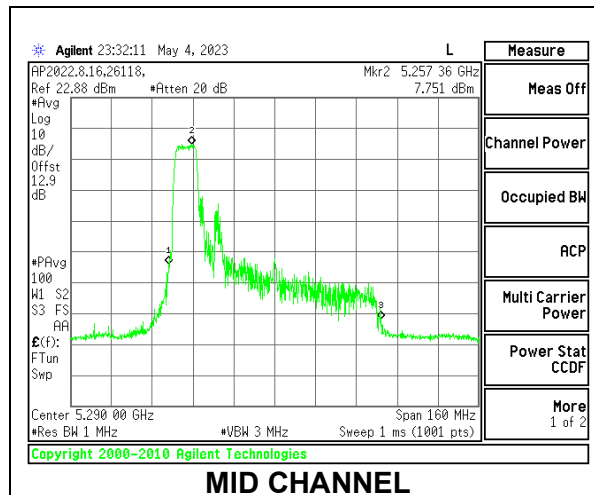
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.22	12.22	24.00	-11.78

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	7.751	7.75	11.00	-3.25



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	24.92	-6.00	24.00	11.00

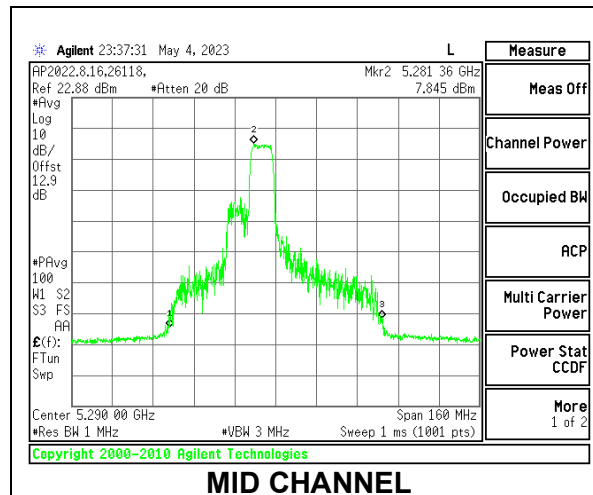
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.24	12.24	24.00	-11.76

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	7.845	7.85	11.00	-3.16



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.73	-6.00	24.00	11.00

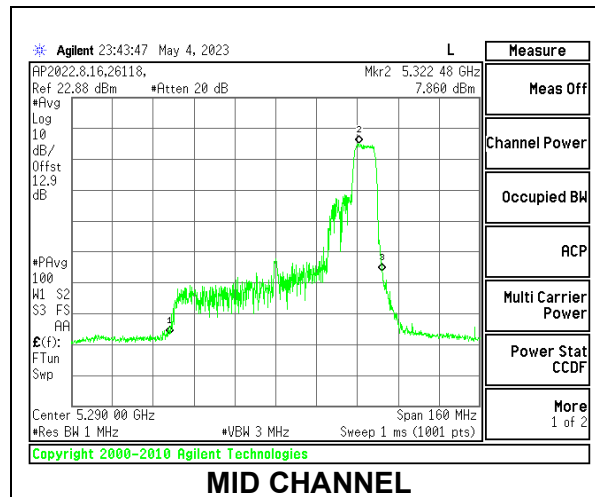
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	12.25	12.25	24.00	-11.75

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	7.860	7.86	11.00	-3.14



1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.98	-6.00	24.00	11.00

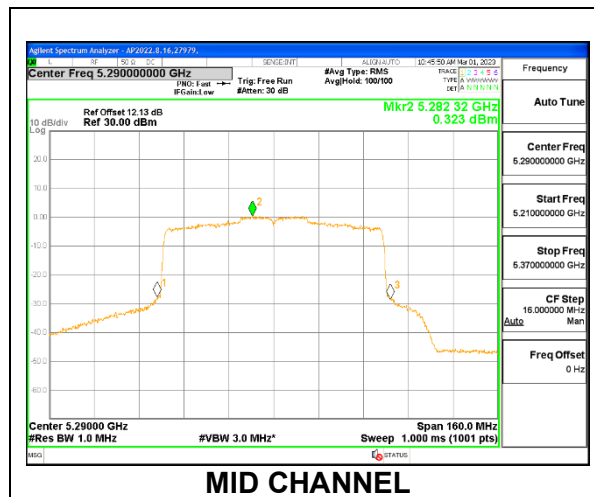
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.18	16.18	24.00	-7.82

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	0.323	0.533	11.00	-10.47



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	19.910	-4.38	-1.48	23.99	11.00

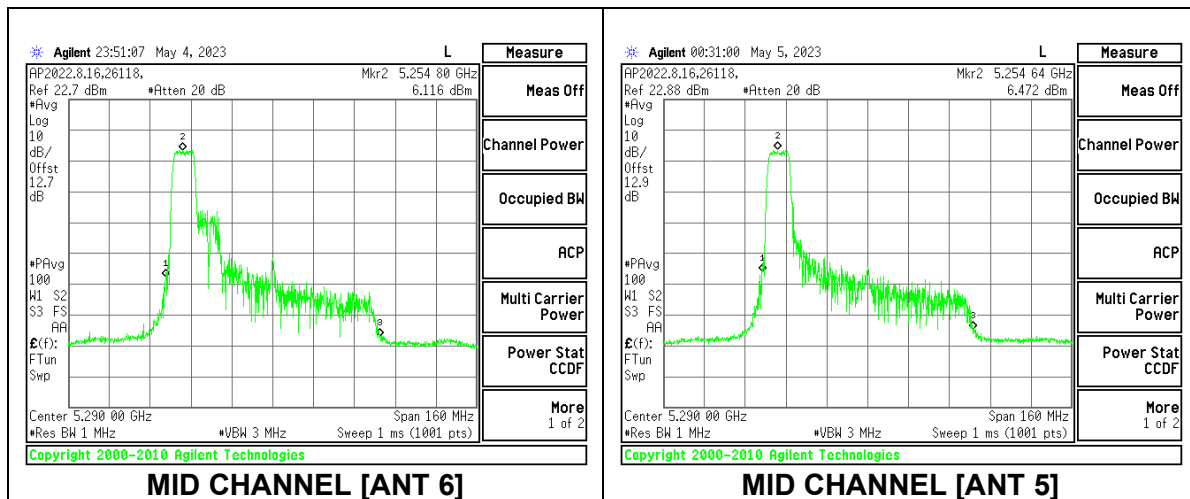
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	12.18	12.24	15.22	23.99	-8.77

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	6.116	6.472	9.31	11.00	-1.69



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 56

Test Engineer:	26118
Test Date:	05/04/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.910	-4.38	-1.48	24.00	11.00

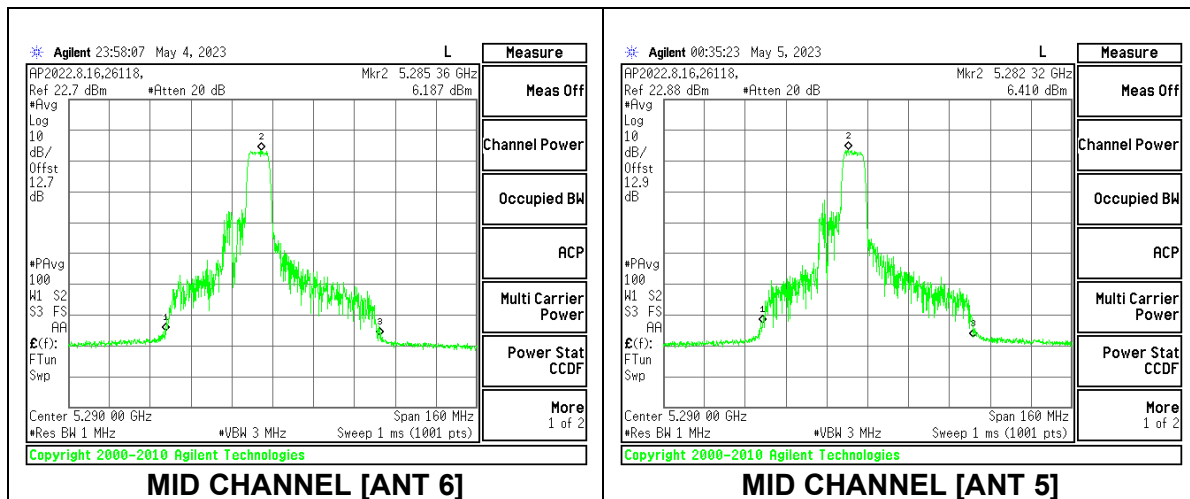
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	12.18	12.25	15.23	24.00	-8.77

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	6.187	6.410	9.31	11.00	-1.69



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	19.350	-4.38	-1.48	23.87	11.00

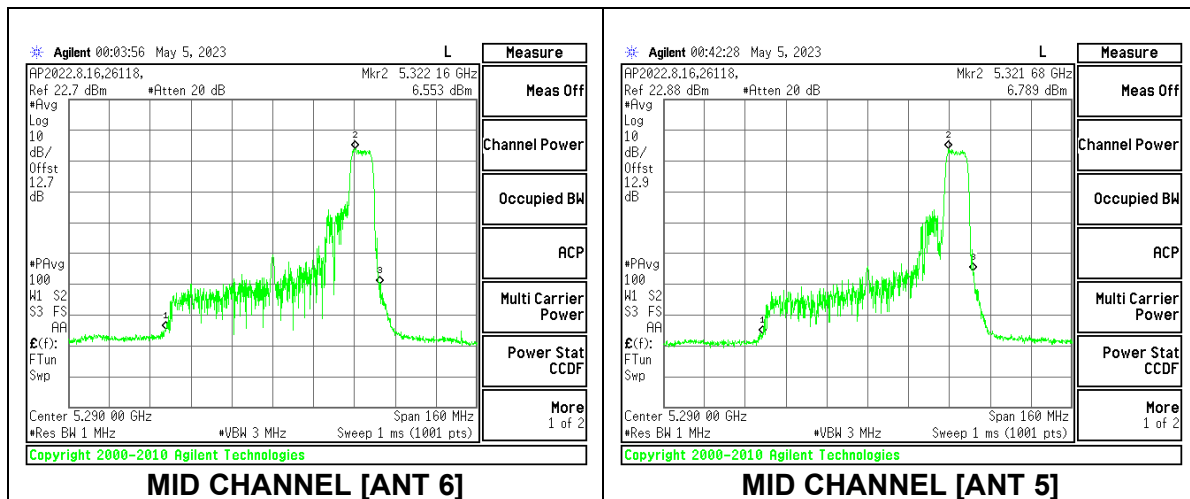
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	12.23	12.25	15.25	23.87	-8.62

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	6.553	6.789	9.68	11.00	-1.32



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	80.280	-4.38	-1.48	24.00	11.00

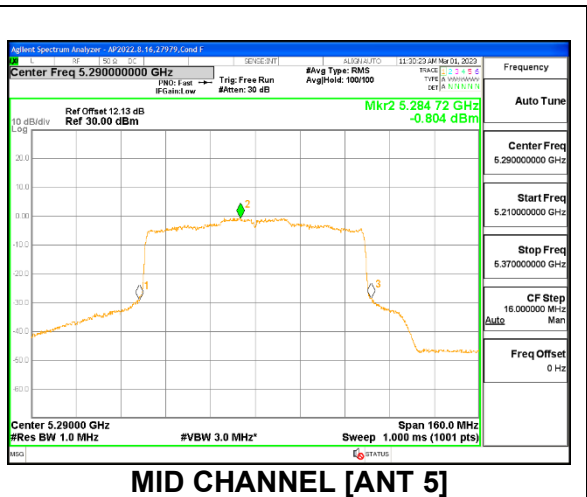
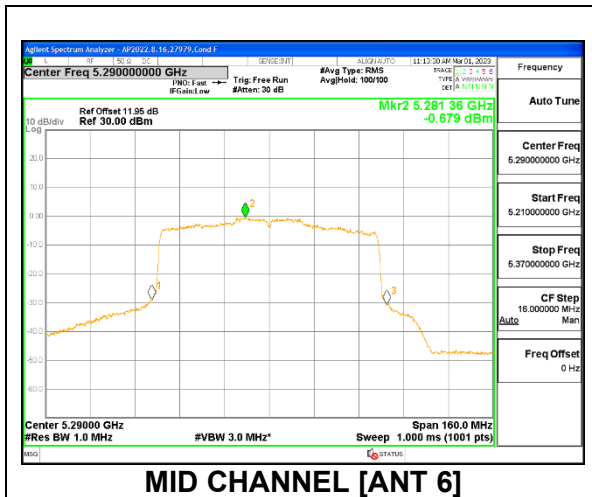
Duty Cycle CF (dB)	0.21	Included in Calculations of Corr'd PSD
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Output Power Results

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	15.19	15.17	18.19	24.00	-5.81

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	-0.679	-0.804	2.48	11.00	-8.52



9.4.14. 802.11ax HE160 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	21.20	-3.20	24.00	11.00

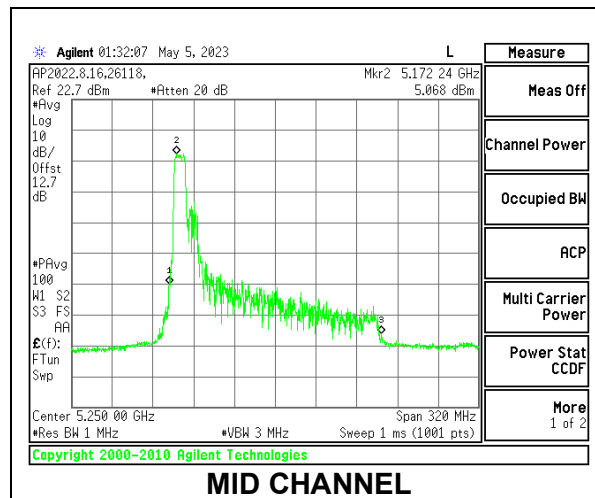
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.23	9.23	24.00	-14.77

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	5.068	5.07	11.00	-5.93



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	25.28	-3.20	24.00	11.00

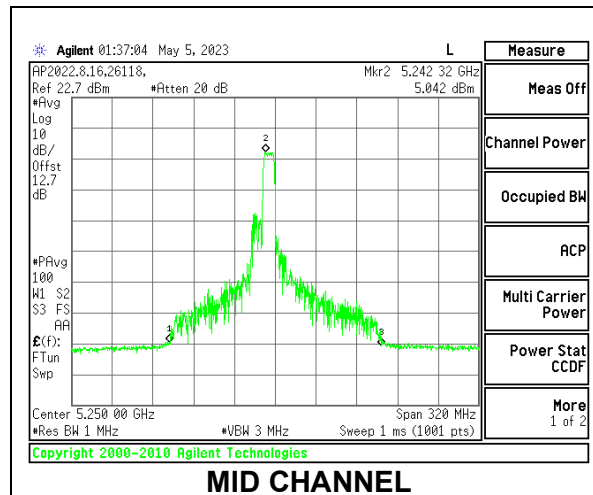
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.22	9.22	24.00	-14.78

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	5.042	5.04	11.00	-5.96



1TX Antenna 6 MODE (FCC): 106-Tone, RU Index S60

Test Engineer:	26118
Test Date:	03/23/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.28	-3.20	24.00	11.00

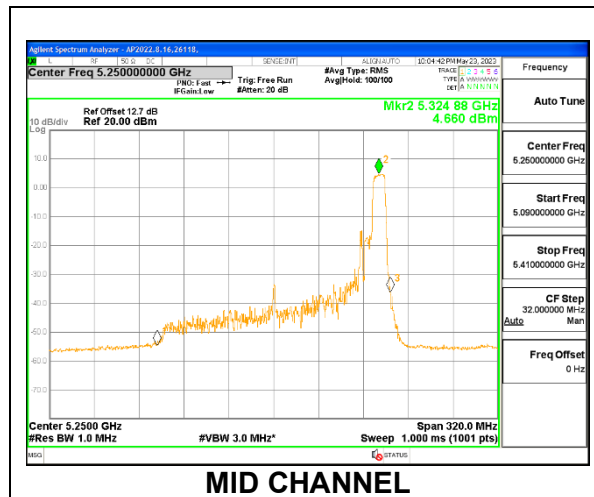
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.20	9.20	24.00	-14.80

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	4.660	4.66	11.00	-6.34



1TX Antenna 6 MODE (FCC): SU, Single User

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	162.50	-3.20	24.00	11.00

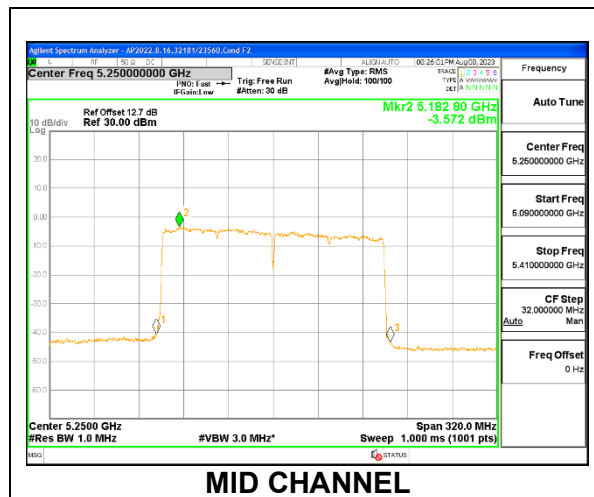
Duty Cycle CF (dB)	0.38	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	15.72	15.72	24.00	-8.28

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	-3.572	-3.192	11.00	-14.19



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	20.91	-6.00	24.00	11.00

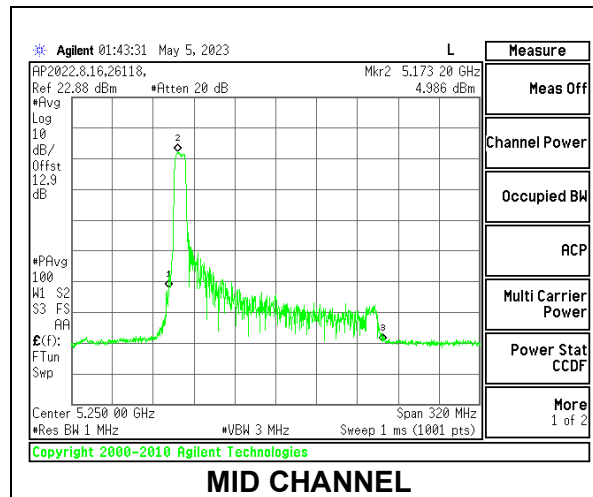
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.23	9.23	24.00	-14.77

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	4.986	4.99	11.00	-6.01



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	23.56	-6.00	24.00	11.00

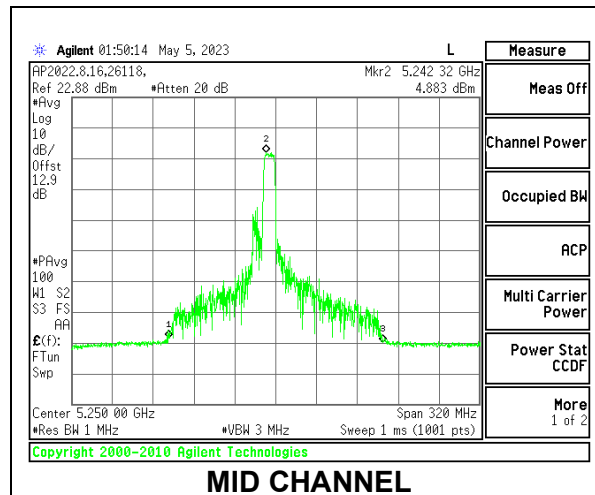
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.22	9.22	24.00	-14.78

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	4.883	4.88	11.00	-6.12



1TX Antenna 5 MODE (FCC): 106-Tone, RU Index S60

Test Engineer:	26118
Test Date:	03/23/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.66	-6.00	24.00	11.00

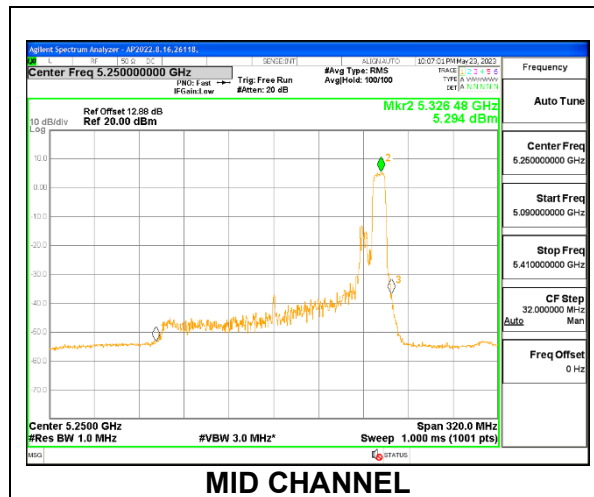
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	9.25	9.25	24.00	-14.75

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	5.294	5.29	11.00	-5.71



1TX Antenna 5 MODE (FCC): SU, Single User

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	163.10	-6.00	24.00	11.00

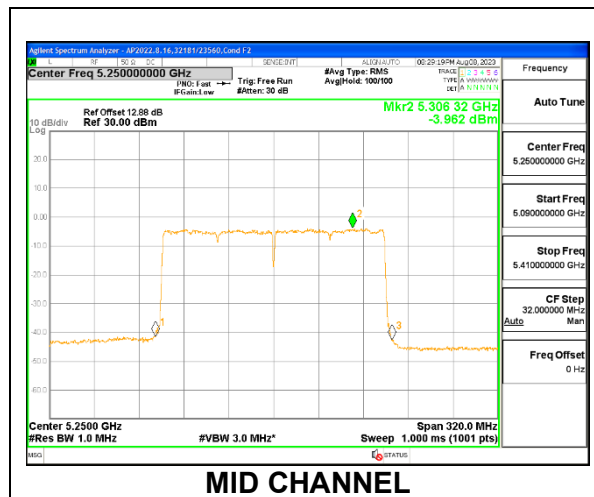
Duty Cycle CF (dB)	0.38	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	15.68	15.68	24.00	-8.32

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	-3.962	-3.582	11.00	-14.58



MID CHANNEL

2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 53

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.220	-4.38	-1.48	24.00	11.00

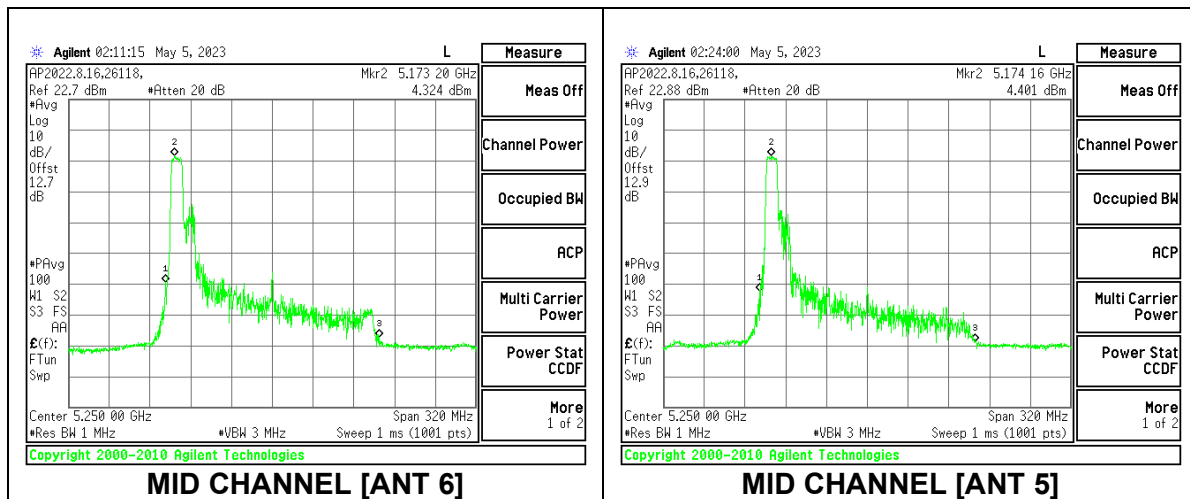
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	9.19	9.21	12.21	24.00	-11.79

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	4.324	4.401	7.37	11.00	-3.63



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index 60

Test Engineer:	26118
Test Date:	05/05/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	23.140	-4.38	-1.48	24.00	11.00

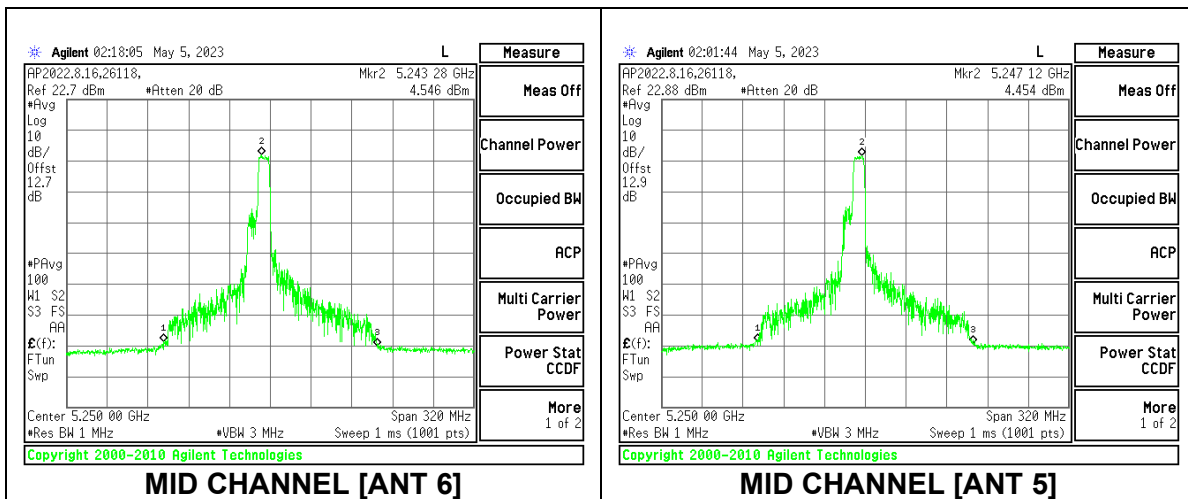
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	9.22	9.24	12.24	24.00	-11.76

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	4.546	4.454	7.51	11.00	-3.49



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): 106-Tone, RU Index S60

Test Engineer:	26118
Test Date:	05/10/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.190	-4.38	-1.48	24.00	11.00

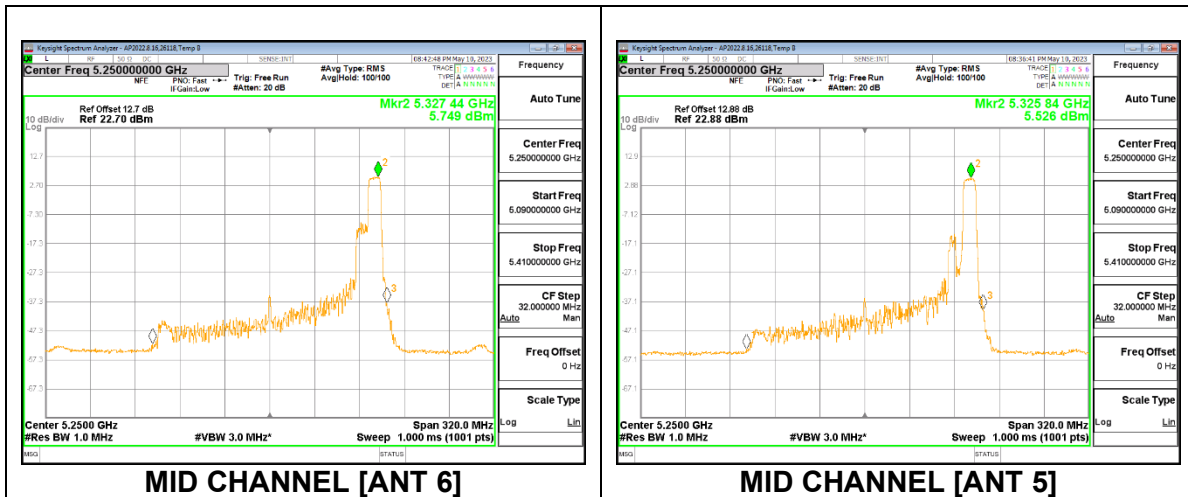
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	9.22	9.19	12.22	24.00	-11.78

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	5.749	5.526	8.65	11.00	-2.35



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC): SU, Single User

Test Engineer:	32181
Test Date:	08/08/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	162.400	-4.38	-1.48	24.00	11.00

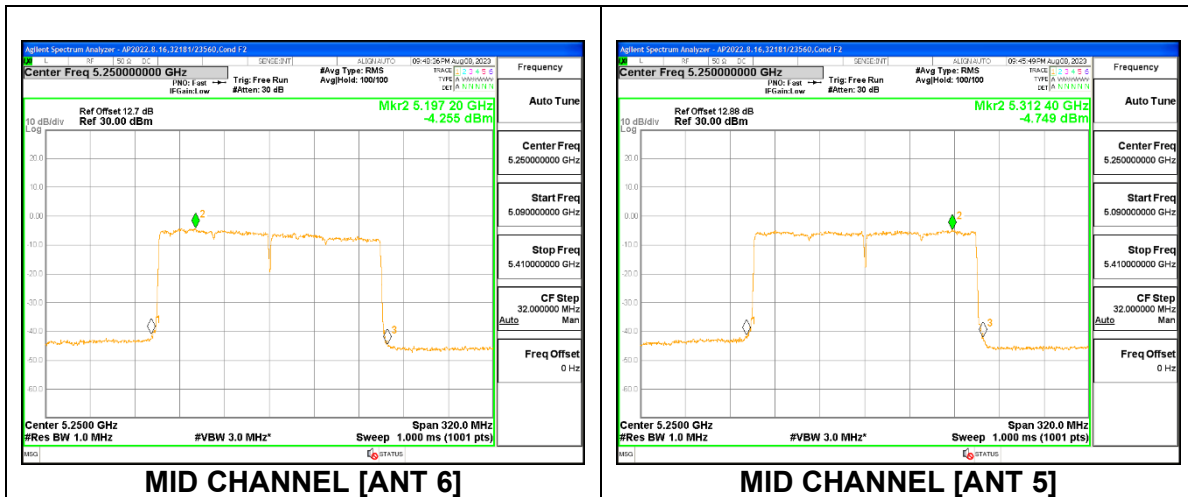
Duty Cycle CF (dB)	0.38	Included in Calculations of Corr'd PSD
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Output Power Results

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	15.24	15.22	18.24	24.00	-5.76

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	-4.255	-4.749	-1.10	11.00	-12.10



9.4.15. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.30	-4.50	24.00	11.00
Mid	5580	20.74	-4.50	24.00	11.00
High	5700	21.22	-4.50	24.00	11.00
144	5720	15.47	-4.50	22.89	11.00

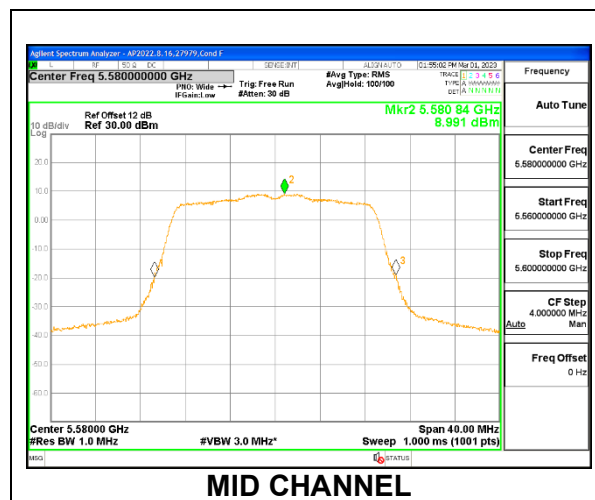
Duty Cycle CF (dB)	0.18	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.52	18.52	24.00	-5.48
Mid	5580	19.19	19.19	24.00	-4.81
High	5700	18.71	18.71	24.00	-5.29
144	5720	19.23	19.23	22.89	-3.66

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	8.727	8.907	11.00	-2.093
Mid	5580	8.991	9.171	11.00	-1.829
High	5700	8.573	8.753	11.00	-2.247
144	5720	9.289	9.469	11.00	-1.531



1TX Antenna 5 MODE (FCC)

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	22.27	-3.70	24.00	11.00
Mid	5580	20.81	-3.70	24.00	11.00
High	5700	22.36	-3.70	24.00	11.00
144	5720	15.26	-3.70	22.84	11.00

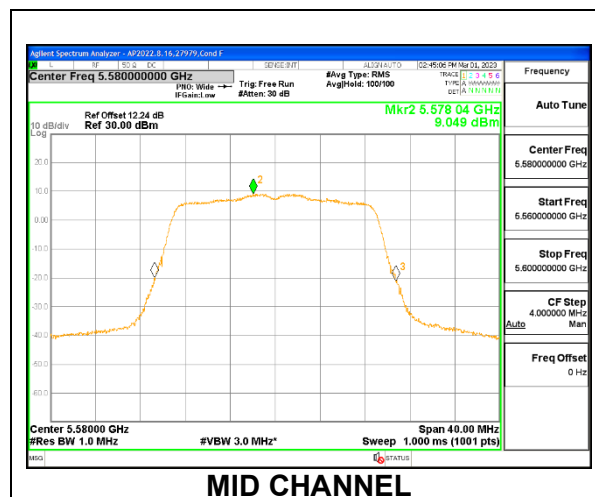
Duty Cycle CF (dB)	0.18	Included in Calculations Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.49	18.49	24.00	-5.51
Mid	5580	19.17	19.17	24.00	-4.83
High	5700	18.70	18.70	24.00	-5.30
144	5720	19.22	19.22	22.84	-3.62

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	8.698	8.878	11.00	-2.122
Mid	5580	9.049	9.229	11.00	-1.771
High	5700	8.598	8.778	11.00	-2.222
144	5720	9.176	9.356	11.00	-1.644



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

Test Engineer:	27979
Test Date:	03/01/2023

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.50	-4.08	-1.08	24.00	11.00
Mid	5580	20.35	-4.08	-1.08	24.00	11.00
High	5700	20.91	-4.08	-1.08	24.00	11.00
144	5720	15.35	-4.08	-1.08	22.86	11.00

Duty Cycle CF (dB)	0.18	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	16.19	16.21	19.21	24.00	-4.79
Mid	5580	16.20	16.18	19.20	24.00	-4.80
High	5700	16.21	16.22	19.23	24.00	-4.77
144	5720	16.18	16.23	19.22	22.86	-3.64

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	6.246	6.469	9.549	11.00	-1.451
Mid	5580	6.464	6.294	9.570	11.00	-1.430
High	5700	6.351	6.456	9.594	11.00	-1.406
144	5720	6.238	6.434	9.527	11.00	-1.473

