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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	40.000	1.80	24.00	11.00

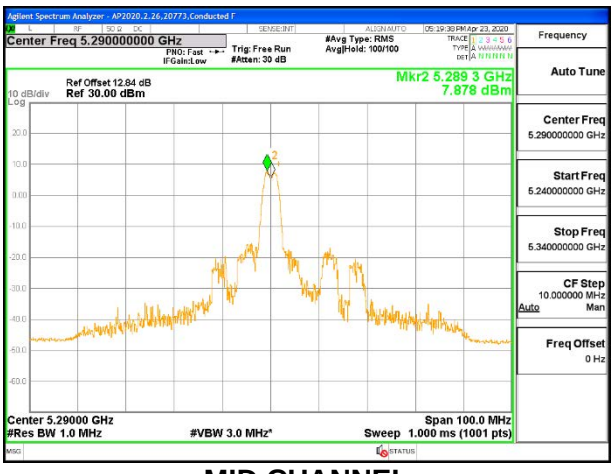
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.650	11.650	24.00	-12.35

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	7.878	7.878	11.00	-3.12



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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.600	1.80	24.00	11.00

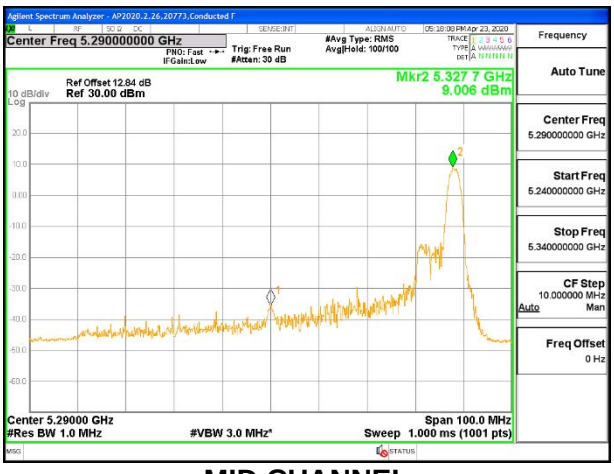
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.730	11.730	24.00	-12.27

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	9.006	9.006	11.00	-1.99



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1TX ANT 6 MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	83.200	1.80	24.00	11.00

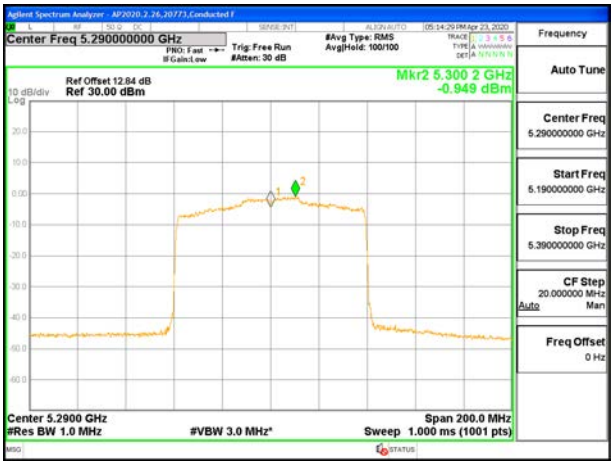
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.870	15.870	24.00	-8.13

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-0.949	-0.949	11.00	-11.95



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.400	-3.00	24.00	11.00

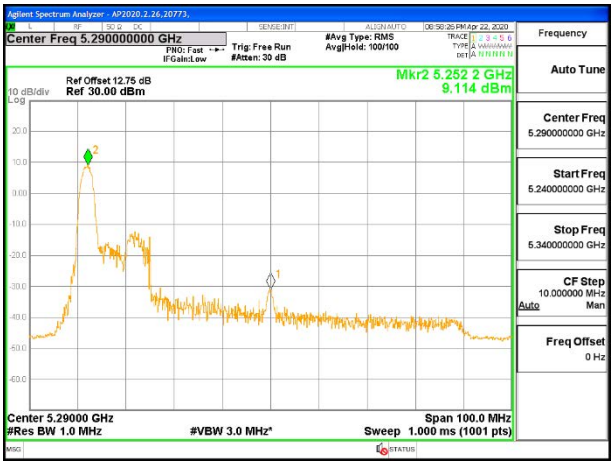
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.810	11.810	24.00	-12.19

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	9.114	9.114	11.00	-1.89



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	39.800	-3.00	24.00	11.00

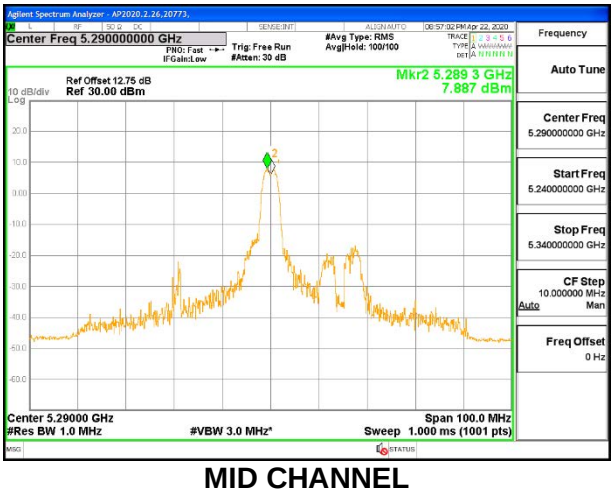
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.750	11.750	24.00	-12.25

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	7.887	7.887	11.00	-3.11



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	21.200	-3.00	24.00	11.00

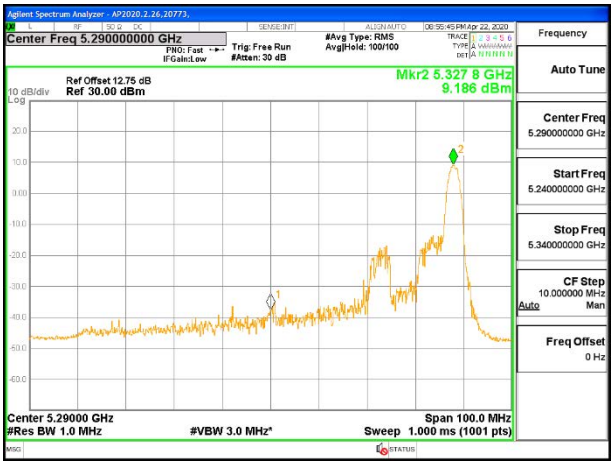
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.940	11.940	24.00	-12.06

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	9.186	9.186	11.00	-1.81



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1TX ANT 5 MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	83.200	-3.00	24.00	11.00

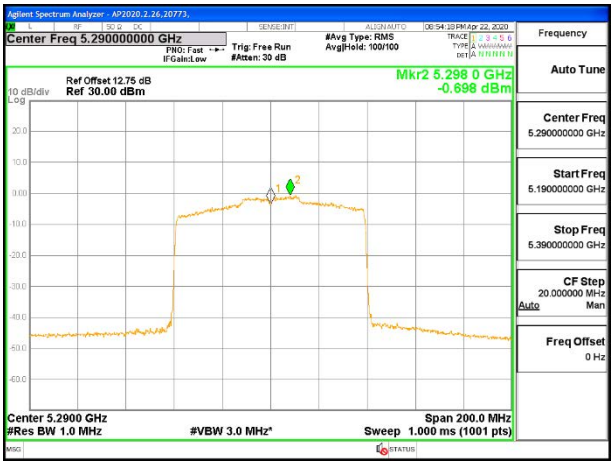
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.960	15.960	24.00	-8.04

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-0.698	-0.698	11.00	-11.70



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

Test Engineer:	20773
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	19.600	0.03	2.74	23.92	11.00

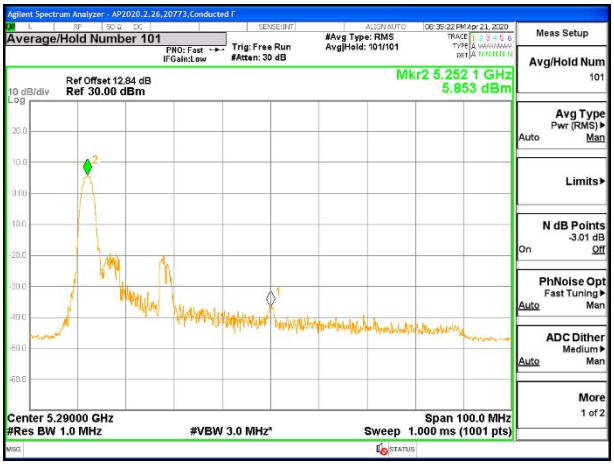
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

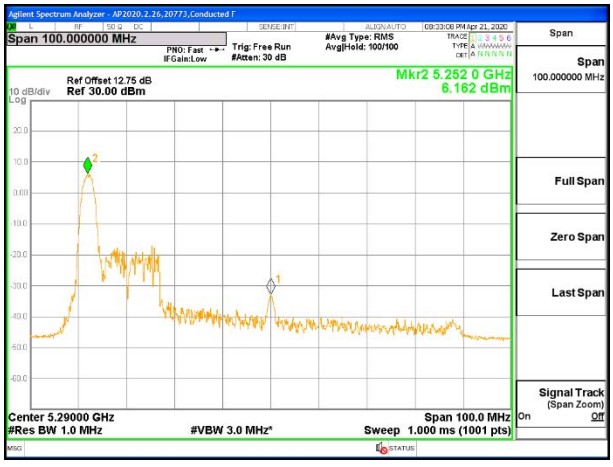
Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.910	8.970	11.950	23.92	-11.97

PSD Results

Channel	Frequency (MHz)	Ant 4 Meas PSD (dBm/1MHz)	Ant 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	5.853	6.162	9.021	11.00	-1.98



MID CHANNEL ANT 4



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

Test Engineer:	20773
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	38.000	0.03	2.74	24.00	11.00

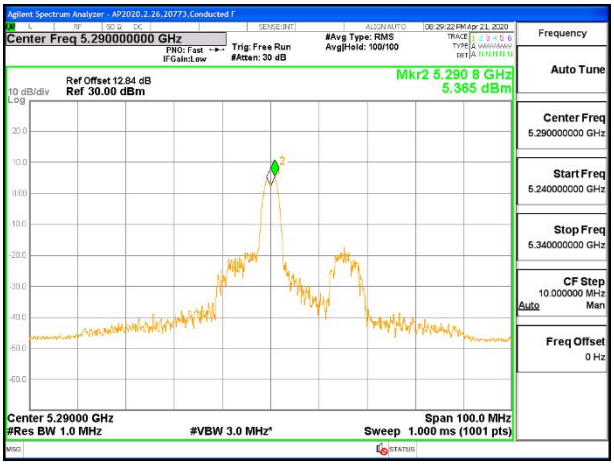
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.740	8.660	11.710	24.00	-12.29

PSD Results

Channel	Frequency (MHz)	Ant 4 Meas PSD (dBm/1MHz)	Ant 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	5.365	4.941	8.168	11.00	-2.83



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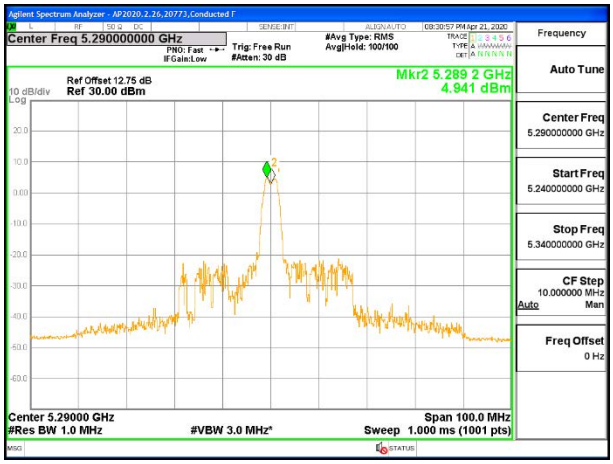

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 26 Tones, RU Index 36

Test Engineer:	20773 & 23560
Test Date:	3/23/2020 & 4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	20.000	0.03	2.74	24.00	11.00

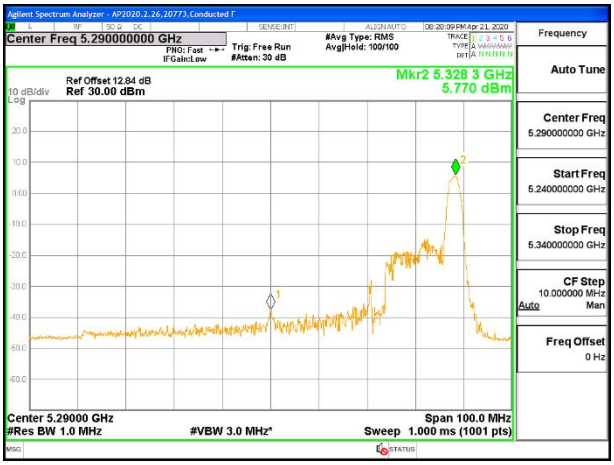
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.830	8.960	11.906	24.00	-12.09

PSD Results

Channel	Frequency (MHz)	Ant 4 Meas PSD (dBm/1MHz)	Ant 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	5.770	5.994	8.894	11.00	-2.11



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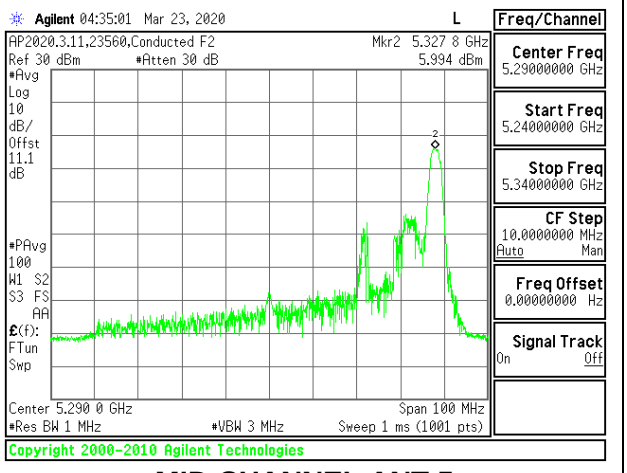

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	82.800	0.03	2.74	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

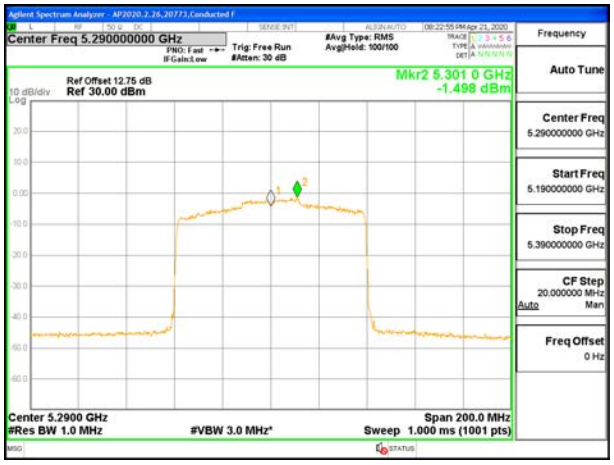
Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	14.760	14.930	17.856	24.00	-6.14

PSD Results

Channel	Frequency (MHz)	Ant 4 Meas PSD (dBm/1MHz)	Ant 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-1.792	-1.498	-1.498	11.00	-12.50

MID CHANNEL ANT 4



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8.4.13.802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX ANT 6 MODE (FCC)

Test Engineer:	23560
Test Date:	3/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.65	2.20	24.00	11.00
Mid	5580	21.55	2.20	24.00	11.00
High	5700	21.65	2.20	24.00	11.00
144	5720	16.25	2.20	23.11	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

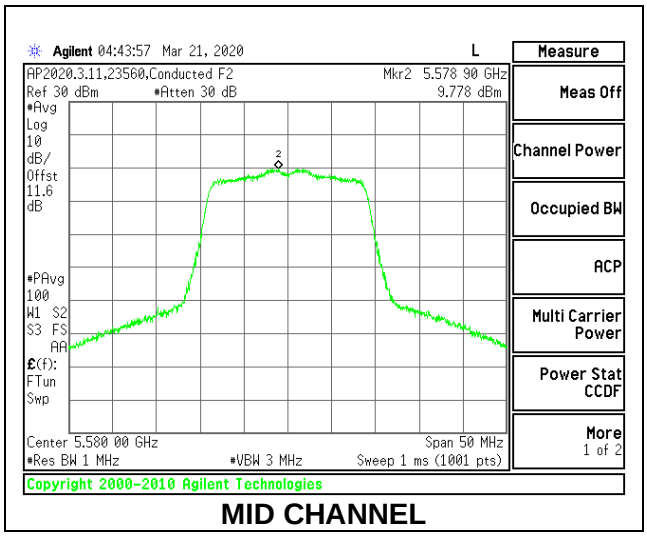
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	16.57	16.57	24.00	-7.43
Mid	5580	16.61	16.61	24.00	-7.39
High	5700	16.44	16.44	24.00	-7.56
144	5720	16.65	16.65	23.11	-6.46

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	8.979	8.979	11.00	-2.021
Mid	5580	9.778	9.778	11.00	-1.222
High	5700	7.911	7.911	11.00	-3.089
144	5720	9.982	9.982	11.00	-1.018

*PSD tested at higher power



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1TX ANT 5 MODE (FCC)

Test Engineer:	12485
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.45	-1.40	24.00	11.00
Mid	5580	21.10	-1.40	24.00	11.00
High	5700	21.20	-1.40	24.00	11.00
144	5720	16.20	-1.40	23.10	11.00

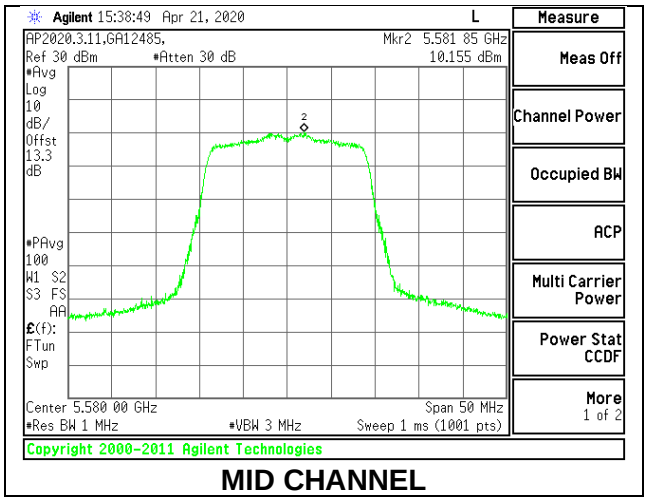
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.21	18.21	24.00	-5.79
Mid	5580	19.96	19.96	24.00	-4.04
High	5700	17.83	17.83	24.00	-6.17
144	5720	19.87	19.87	23.10	-3.23

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	9.089	9.089	11.00	-1.911
Mid	5580	10.155	10.155	11.00	-0.845
High	5700	8.175	8.175	11.00	-2.825
144	5720	9.630	9.630	11.00	-1.370



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

Test Engineer:	12485
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.20	0.76	3.60	24.00	11.00
Mid	5580	21.25	0.76	3.60	24.00	11.00
High	5700	21.25	0.76	3.60	24.00	11.00
144	5720	16.00	0.76	3.60	23.04	11.00

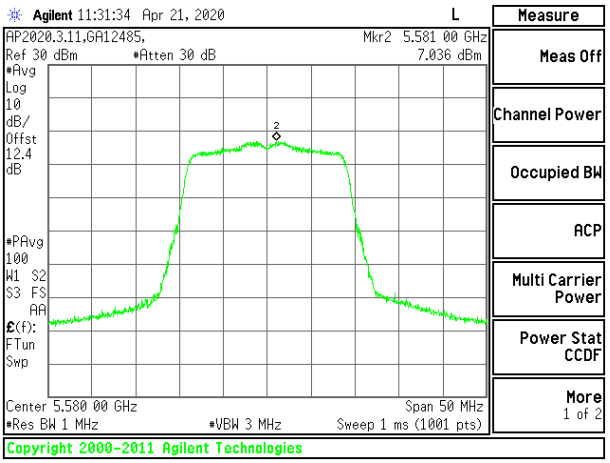
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

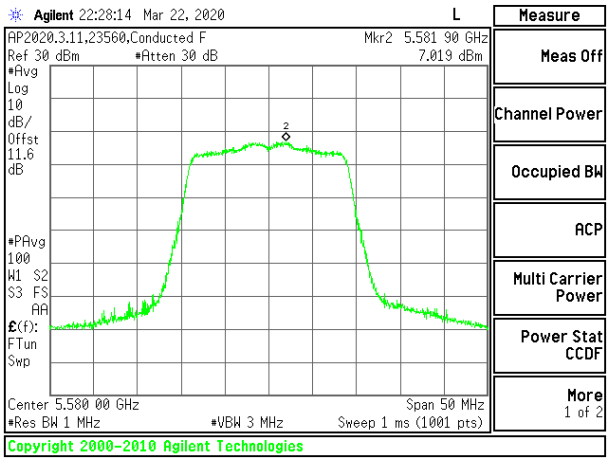
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	16.71	16.59	19.66	24.00	-4.34
Mid	5580	16.63	16.61	19.63	24.00	-4.37
High	5700	16.65	16.69	19.68	24.00	-4.32
144	5720	16.58	16.52	19.56	23.04	-3.48

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	7.170	6.932	10.063	11.00	-0.937
Mid	5580	7.036	7.019	10.038	11.00	-0.962
High	5700	7.090	7.125	10.118	11.00	-0.882
144	5720	6.922	6.872	9.907	11.00	-1.093



MID CHANNEL [ANT 6]



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8.4.14.802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX ANT 6 MODE (FCC)

Test Engineer:	44352
Test Date:	8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	43.80	2.20	24.00	11.00
Mid	5550	43.10	2.20	24.00	11.00
High	5670	43.40	2.20	24.00	11.00
142	5710	35.40	2.20	24.00	11.00

Duty Cycle CF (dB)	0.09	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	16.42	16.42	24.00	-7.58
Mid	5550	16.59	16.59	24.00	-7.41
High	5670	16.70	16.70	24.00	-7.30
142	5710	16.71	16.80	24.00	-7.20

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	2.352	2.442	11.00	-8.558
Mid	5550	2.649	2.739	11.00	-8.261
High	5670	3.086	3.176	11.00	-7.824
142	5710	3.375	3.465	11.00	-7.535

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1TX ANT 5 MODE (FCC)

Test Engineer:	12485 & 44352
Test Date:	4/21/2020 & 8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	43.70	-1.40	24.00	11.00
Mid	5550	43.50	-1.40	24.00	11.00
High	5670	43.10	-1.40	24.00	11.00
142	5710	35.80	-1.40	24.00	11.00

Duty Cycle CF (dB)	0.09	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	16.33	16.33	24.00	-7.67
Mid	5550	20.86	20.86	24.00	-3.14
High	5670	20.42	20.42	24.00	-3.58
142	5710	20.79	20.88	24.00	-3.12

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	2.475	2.565	11.00	-8.435
Mid	5550	6.240	6.330	11.00	-4.670
High	5670	6.212	6.302	11.00	-4.698
142	5710	6.944	7.034	11.00	-3.966

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

Test Engineer:	23560 & 44352
Test Date:	3/22/2020 & 8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	41.00	0.76	3.60	24.00	11.00
Mid	5550	41.10	0.76	3.60	24.00	11.00
High	5670	40.90	0.76	3.60	24.00	11.00
142	5710	35.65	0.76	3.60	24.00	11.00

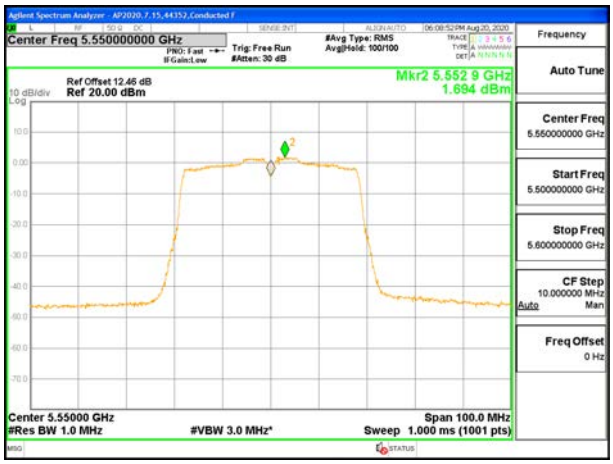
Duty Cycle CF (dB)	0.09	**Included in Calculations of Corr'd Power & PSD**

Output Power Results

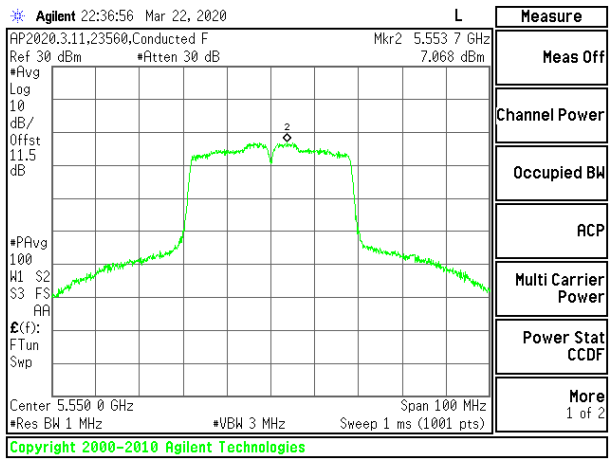
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.30	15.34	18.33	24.00	-5.67
Mid	5550	16.39	19.89	21.49	24.00	-2.51
High	5670	16.48	19.76	21.43	24.00	-2.57
142	5710	16.47	19.84	21.57	24.00	-2.43

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	0.257	0.421	3.440	11.00	-7.56
Mid	5550	1.694	7.068	8.264	11.00	-2.74
High	5670	2.821	6.021	7.810	11.00	-3.19
142	5710	2.869	6.839	8.393	11.00	-2.61



MID CHANNEL [ANT 6]



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8.4.15.802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX ANT 6 MODE (FCC)

Test Engineer:	44352
Test Date:	8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	83.40	2.20	24.00	11.00
High	5610	83.20	2.20	24.00	11.00
138	5690	76.50	2.20	24.00	11.00

Duty Cycle CF (dB)	0.19	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.32	15.32	24.00	-8.68
High	5610	16.61	16.61	24.00	-7.39
138	5690	16.55	16.74	24.00	-7.26

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-2.082	-1.892	11.00	-12.892
High	5610	-0.332	-0.142	11.00	-11.142
138	5690	-0.298	-0.108	11.00	-11.108

LOW CHANNEL

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1TX ANT 5 MODE (FCC)

Test Engineer:	44352
Test Date:	8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	83.00	-1.40	24.00	11.00
High	5610	83.00	-1.40	24.00	11.00
138	5690	76.60	-1.40	24.00	11.00

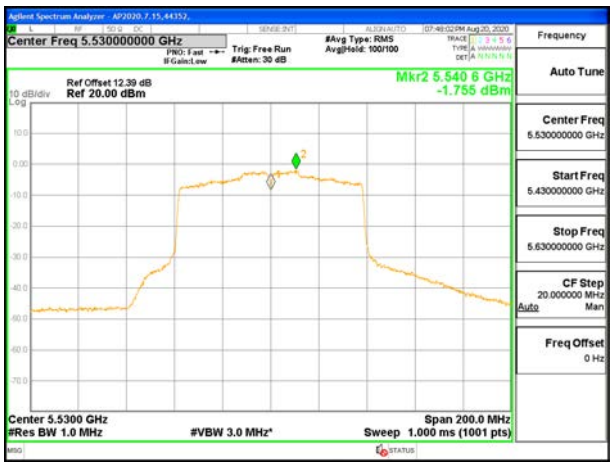
Duty Cycle CF (dB)	0.19	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.34	15.34	24.00	-8.66
High	5610	21.41	21.41	24.00	-2.59
138	5690	21.35	21.54	24.00	-2.46

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-1.755	-1.565	11.00	-12.565
High	5610	4.258	4.448	11.00	-6.552
138	5690	4.624	4.814	11.00	-6.186



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

Test Engineer:	44352
Test Date:	8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	84.20	0.76	3.60	24.00	11.00
High	5610	84.40	0.76	3.60	24.00	11.00
138	5690	83.20	0.76	3.60	24.00	11.00

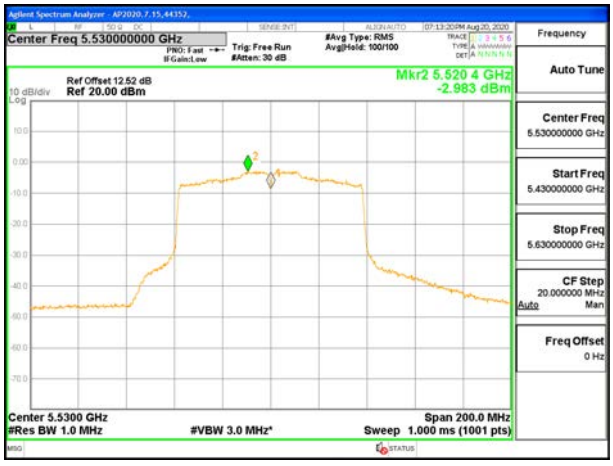
Duty Cycle CF (dB)	0.18	**Included in Calculations of Corr'd PSD**

Output Power Results

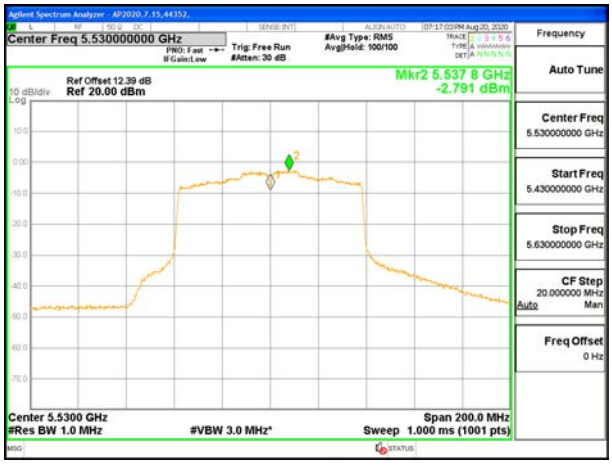
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.70	14.67	17.70	24.00	-6.30
High	5610	16.55	19.94	21.58	24.00	-2.42
138	5690	16.71	19.83	21.73	24.00	-2.27

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-2.963	-2.791	0.314	11.00	-10.686
High	5610	3.681	3.691	6.876	11.00	-4.124
138	5690	-0.004	-2.888	1.979	11.00	-9.021



LOW CHANNEL [ANT 6]



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8.4.16.802.11ax HE20 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	20773 & 44352
Test Date:	4/22/2020 & 8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.10	2.20	24.00	11.00
Mid	5580	20.05	2.20	24.00	11.00
High	5700	20.05	2.20	24.00	11.00
144	5720	16.15	2.20	23.08	11.00

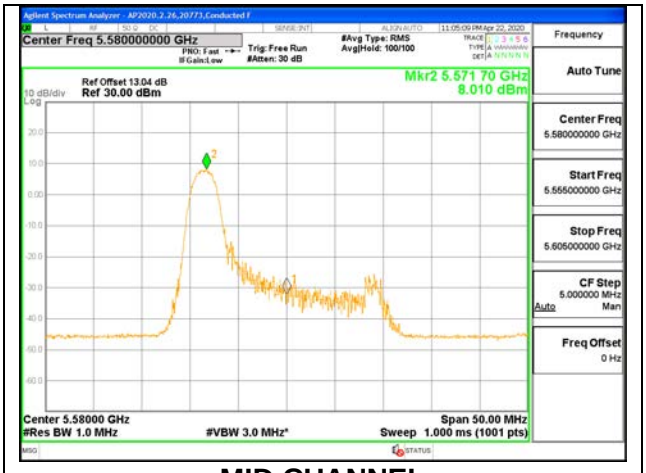
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.87	11.87	24.00	-12.13
Mid	5580	11.88	11.88	24.00	-12.12
High	5700	11.84	11.84	24.00	-12.16
144	5720	11.91	11.91	23.08	-11.17

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	7.809	7.809	11.00	-3.191
Mid	5580	8.010	8.010	11.00	-2.990
High	5700	8.409	8.409	11.00	-2.591
144	5720	8.340	8.340	11.00	-2.660



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	19.55	2.20	23.91	11.00
Mid	5580	19.20	2.20	23.83	11.00
High	5700	19.25	2.20	23.84	11.00
144	5720	14.90	2.20	22.73	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.81	11.81	23.91	-12.10
Mid	5580	11.82	11.82	23.83	-12.01
High	5700	11.85	11.85	23.84	-11.99
144	5720	11.91	11.91	22.73	-10.82

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	6.969	6.969	11.00	-4.031
Mid	5580	6.914	6.914	11.00	-4.086
High	5700	7.538	7.538	11.00	-3.462
144	5720	7.769	7.769	11.00	-3.231

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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.90	2.20	24.00	11.00
Mid	5580	20.70	2.20	24.00	11.00
High	5700	20.65	2.20	24.00	11.00
144	5720	15.25	2.20	22.83	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.82	11.82	24.00	-12.18
Mid	5580	11.76	11.76	24.00	-12.24
High	5700	11.96	11.96	24.00	-12.04
144	5720	11.85	11.85	22.83	-10.98

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	8.397	8.397	11.00	-2.603
Mid	5580	7.646	7.646	11.00	-3.354
High	5700	8.916	8.916	11.00	-2.084
144	5720	8.681	8.681	11.00	-2.319

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1TX ANT 6 MODE (FCC) – 242 Tones, RU Index 61

Test Engineer:	44352
Test Date:	8/20/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.45	2.20	24.00	11.00
Mid	5580	21.45	2.20	24.00	11.00
High	5700	21.40	2.20	24.00	11.00
144	5720	15.80	2.20	22.99	11.00

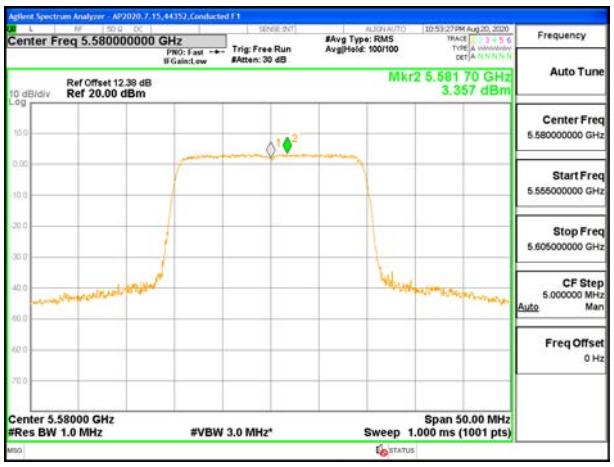
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	16.55	16.55	24.00	-7.45
Mid	5580	16.59	16.59	24.00	-7.41
High	5700	16.37	16.37	24.00	-7.63
144	5720	16.63	16.63	22.99	-6.36

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	3.563	3.563	11.00	-7.437
Mid	5580	3.357	3.357	11.00	-7.643
High	5700	4.152	4.152	11.00	-6.848
144	5720	4.612	4.612	11.00	-6.388



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.05	-1.40	24.00	11.00
Mid	5580	19.90	-1.40	23.99	11.00
High	5700	20.05	-1.40	24.00	11.00
144	5720	16.10	-1.40	23.07	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.87	11.87	24.00	-12.13
Mid	5580	11.94	11.94	23.99	-12.05
High	5700	11.95	11.95	24.00	-12.05
144	5720	11.98	11.98	23.07	-11.09

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	7.996	7.996	11.00	-3.004
Mid	5580	8.226	8.226	11.00	-2.774
High	5700	9.115	9.115	11.00	-1.885
144	5720	9.498	9.498	11.00	-1.502

MID CHANNEL

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

Test Engineer:	23560
Test Date:	3/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	19.25	-1.40	23.84	11.00
Mid	5580	19.45	-1.40	23.89	11.00
High	5700	19.50	-1.40	23.90	11.00
144	5720	14.60	-1.40	22.64	11.00

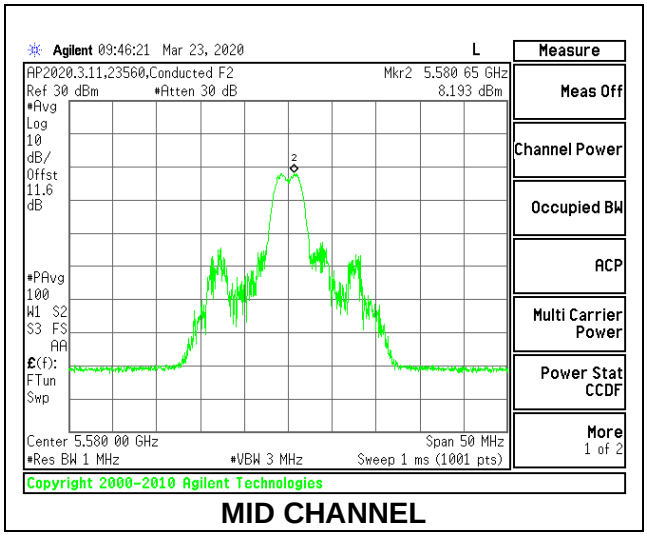
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.67	11.67	23.84	-12.17
Mid	5580	11.83	11.83	23.89	-12.06
High	5700	11.81	11.81	23.90	-12.09
144	5720	11.96	11.96	22.64	-10.68

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	6.953	6.953	11.00	-4.047
Mid	5580	8.193	8.193	11.00	-2.807
High	5700	8.170	8.170	11.00	-2.830
144	5720	9.266	9.266	11.00	-1.734



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

Test Engineer:	20733
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	20.75	-1.40	24.00	11.00
Mid	5580	20.70	-1.40	24.00	11.00
High	5700	20.65	-1.40	24.00	11.00
144	5720	15.55	-1.40	22.92	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	11.89	11.89	24.00	-12.11
Mid	5580	11.72	11.72	24.00	-12.28
High	5700	11.87	11.87	24.00	-12.13
144	5720	11.96	11.96	22.92	-10.96

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	8.117	8.117	11.00	-2.883
Mid	5580	7.967	7.967	11.00	-3.033
High	5700	8.629	8.629	11.00	-2.371
144	5720	9.664	9.664	11.00	-1.336

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1TX ANT 5 MODE (FCC) – 242 Tones, RU Index 61

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.45	-1.40	24.00	11.00
Mid	5580	21.45	-1.40	24.00	11.00
High	5700	21.40	-1.40	24.00	11.00
144	5720	16.00	-1.40	23.04	11.00

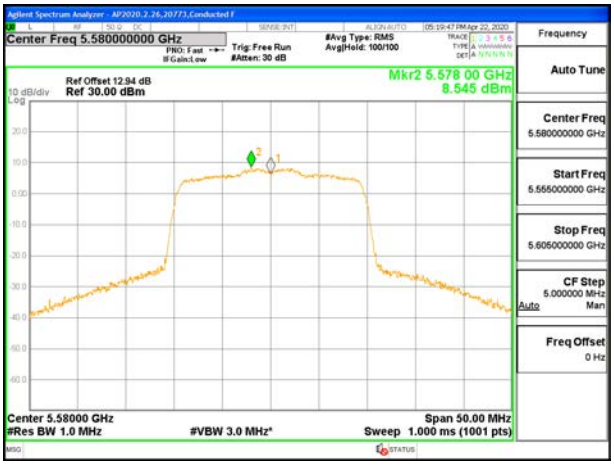
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.73	17.73	24.00	-6.27
Mid	5580	19.87	19.87	24.00	-4.13
High	5700	16.45	16.45	24.00	-7.55
144	5720	19.99	19.99	23.04	-3.05

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	6.147	6.147	11.00	-4.853
Mid	5580	8.545	8.545	11.00	-2.455
High	5700	5.208	5.208	11.00	-5.792
144	5720	9.763	9.763	11.00	-1.237



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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	19.95	0.76	3.60	24.00	11.00
Mid	5580	19.90	0.76	3.60	23.99	11.00
High	5700	19.80	0.76	3.60	23.97	11.00
144	5720	16.20	0.76	3.60	23.10	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.71	8.88	11.81	24.00	-12.19
Mid	5580	8.69	8.72	11.72	23.99	-12.27
High	5700	8.85	8.90	11.89	23.97	-12.08
144	5720	8.93	8.91	11.93	23.10	-11.16

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	5.242	5.086	8.175	11.00	-2.825
Mid	5580	5.181	5.109	8.155	11.00	-2.845
High	5700	5.488	5.648	8.579	11.00	-2.421
144	5720	6.101	5.595	8.866	11.00	-2.134

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	18.30	0.76	3.60	23.62	11.00
Mid	5580	18.35	0.76	3.60	23.64	11.00
High	5700	18.40	0.76	3.60	23.65	11.00
144	5720	14.55	0.76	3.60	22.63	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.77	8.62	11.71	23.62	-11.92
Mid	5580	8.84	8.68	11.77	23.64	-11.87
High	5700	8.89	8.81	11.86	23.65	-11.79
144	5720	8.97	8.88	11.94	22.63	-10.69

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	4.476	4.255	7.377	11.00	-3.623
Mid	5580	4.265	4.485	7.387	11.00	-3.613
High	5700	4.846	4.612	7.741	11.00	-3.259
144	5720	4.792	4.937	7.875	11.00	-3.125

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	19.90	0.76	3.60	23.99	11.00
Mid	5580	19.85	0.76	3.60	23.98	11.00
High	5700	19.80	0.76	3.60	23.97	11.00
144	5720	14.40	0.76	3.60	22.58	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	8.65	8.74	11.71	23.99	-12.28
Mid	5580	8.79	8.71	11.76	23.98	-12.22
High	5700	8.89	8.82	11.87	23.97	-12.10
144	5720	8.86	8.76	11.82	22.58	-10.76

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	5500	5.244	5.339	8.302	11.00	-2.698
Mid	5580	5.442	5.278	8.371	11.00	-2.629
High	5700	6.145	5.981	9.074	11.00	-1.926
144	5720	6.393	6.318	9.366	11.00	-1.634

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 242 Tones, RU Index 61

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5500	21.25	0.76	3.60	24.00	11.00
Mid	5580	21.40	0.76	3.60	24.00	11.00
High	5700	21.25	0.76	3.60	24.00	11.00
144	5720	15.90	0.76	3.60	23.01	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	16.69	16.59	19.65	24.00	-4.35
Mid	5580	16.74	16.72	19.74	24.00	-4.26
High	5700	15.87	15.74	18.82	24.00	-5.18
144	5720	16.61	16.57	19.60	23.01	-3.41

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	5.537	5.562	8.560	11.00	-2.440
Mid	5580	5.288	5.259	8.284	11.00	-2.716
High	5700	4.871	5.070	7.982	11.00	-3.018
144	5720	6.222	6.191	9.217	11.00	-1.783

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8.4.17.802.11ax HE40 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.40	2.20	24.00	11.00
Mid	5550	20.20	2.20	24.00	11.00
High	5670	20.40	2.20	24.00	11.00
142	5710	20.60	2.20	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.84	11.84	24.00	-12.16
Mid	5550	11.87	11.87	24.00	-12.13
High	5670	11.93	11.93	24.00	-12.07
142	5710	11.81	11.81	24.00	-12.19

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	8.197	8.197	11.00	-2.803
Mid	5550	8.228	8.228	11.00	-2.772
High	5670	8.662	8.662	11.00	-2.338
142	5710	8.596	8.596	11.00	-2.404

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	22.90	2.20	24.00	11.00
Mid	5550	22.60	2.20	24.00	11.00
High	5670	23.20	2.20	24.00	11.00
142	5710	23.00	2.20	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.86	11.86	24.00	-12.14
Mid	5550	11.81	11.81	24.00	-12.19
High	5670	11.79	11.79	24.00	-12.21
142	5710	11.90	11.90	24.00	-12.10

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	7.949	7.949	11.00	-3.051
Mid	5550	8.311	8.311	11.00	-2.689
High	5670	8.386	8.386	11.00	-2.614
142	5710	8.669	8.669	11.00	-2.331

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.20	2.20	24.00	11.00
Mid	5550	20.30	2.20	24.00	11.00
High	5670	20.20	2.20	24.00	11.00
142	5710	16.25	2.20	23.11	11.00

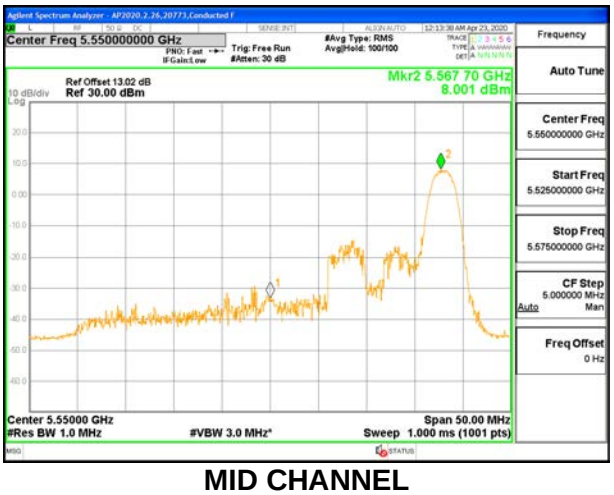
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.48	11.48	24.00	-12.52
Mid	5550	11.62	11.62	24.00	-12.38
High	5670	11.96	11.96	24.00	-12.04
142	5710	11.85	11.85	23.11	-11.26

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	8.178	8.178	11.00	-2.822
Mid	5550	8.001	8.001	11.00	-2.999
High	5670	9.168	9.168	11.00	-1.832
142	5710	8.547	8.547	11.00	-2.453



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1TX ANT 6 MODE (FCC) – 484 Tones, RU Index 65

Test Engineer:	44352
Test Date:	8/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	41.00	2.20	24.00	11.00
Mid	5550	41.10	2.20	24.00	11.00
High	5670	41.00	2.20	24.00	11.00
142	5710	35.50	2.20	24.00	11.00

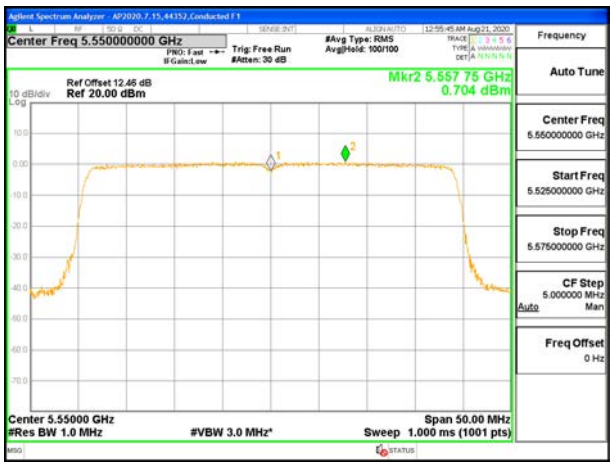
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.98	15.98	24.00	-8.02
Mid	5550	16.74	16.74	24.00	-7.26
High	5670	16.71	16.71	24.00	-7.29
142	5710	16.32	16.32	24.00	-7.68

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	-0.459	-0.459	11.00	-11.459
Mid	5550	0.70	0.704	11.00	-10.296
High	5670	1.48	1.478	11.00	-9.522
142	5710	2.053	2.053	11.00	-8.947



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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.50	-1.40	24.00	11.00
Mid	5550	20.60	-1.40	24.00	11.00
High	5670	20.50	-1.40	24.00	11.00
142	5710	20.30	-1.40	24.00	11.00

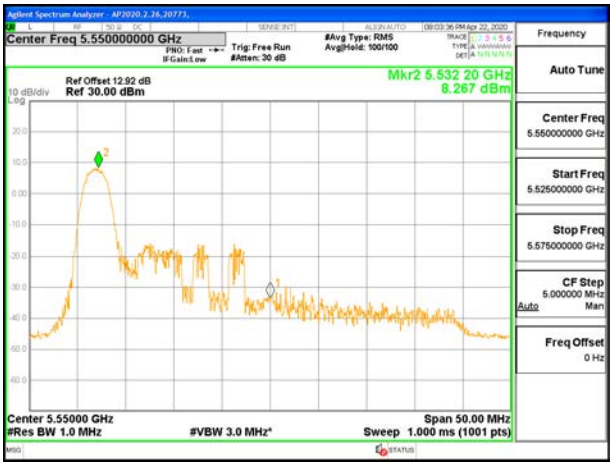
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.66	11.66	24.00	-12.34
Mid	5550	11.84	11.84	24.00	-12.16
High	5670	11.89	11.89	24.00	-12.11
142	5710	11.93	11.93	24.00	-12.07

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	7.895	7.895	11.00	-3.105
Mid	5550	8.267	8.267	11.00	-2.733
High	5670	8.537	8.537	11.00	-2.463
142	5710	8.673	8.673	11.00	-2.327



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	22.90	-1.40	24.00	11.00
Mid	5550	23.10	-1.40	24.00	11.00
High	5670	22.80	-1.40	24.00	11.00
142	5710	22.90	-1.40	24.00	11.00

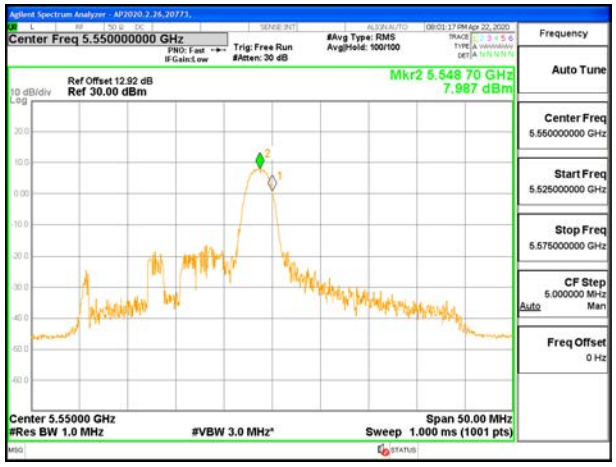
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.61	11.61	24.00	-12.39
Mid	5550	11.67	11.67	24.00	-12.33
High	5670	11.85	11.85	24.00	-12.15
142	5710	11.93	11.93	24.00	-12.07

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	7.796	7.796	11.00	-3.204
Mid	5550	7.987	7.987	11.00	-3.013
High	5670	8.233	8.233	11.00	-2.767
142	5710	8.717	8.717	11.00	-2.283



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	20.10	-1.40	24.00	11.00
Mid	5550	20.00	-1.40	24.00	11.00
High	5670	20.20	-1.40	24.00	11.00
142	5710	17.55	-1.40	23.44	11.00

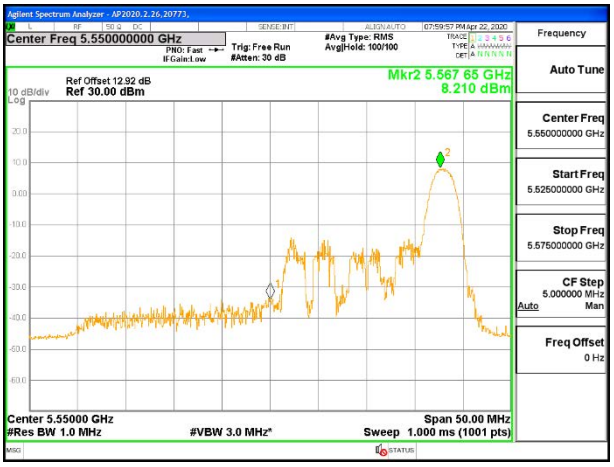
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.73	11.73	24.00	-12.27
Mid	5550	11.79	11.79	24.00	-12.21
High	5670	11.85	11.85	24.00	-12.15
142	5710	11.93	11.93	23.44	-11.51

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	8.132	8.132	11.00	-2.868
Mid	5550	8.210	8.210	11.00	-2.790
High	5670	8.707	8.707	11.00	-2.293
142	5710	8.800	8.800	11.00	-2.200



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1TX ANT 5 MODE (FCC) – 484 Tones, RU Index 65

Test Engineer:	20773
Test Date:	4/22/2020

	(MHz)	BW (MHz)	(dBi)	(dBm)	(dBm/1MHz)
Low	5510	41.10	-1.40	24.00	11.00
Mid	5550	41.10	-1.40	24.00	11.00
High	5670	41.10	-1.40	24.00	11.00
142	5710	35.40	-1.40	24.00	11.00

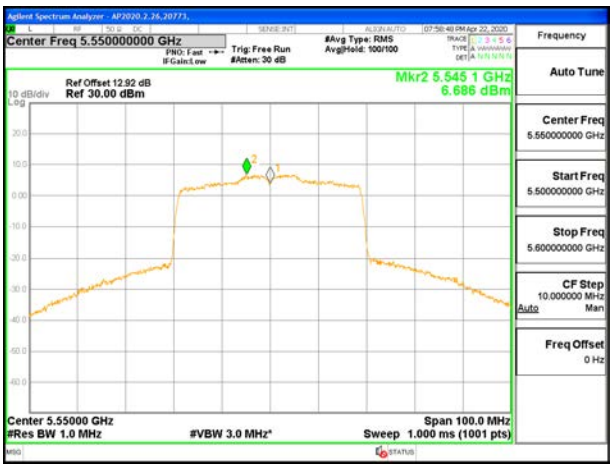
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.79	15.79	24.00	-8.21
Mid	5550	20.83	20.83	24.00	-3.17
High	5670	18.76	18.76	24.00	-5.24
142	5710	20.98	20.98	24.00	-3.02

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5510	0.969	0.969	11.00	-10.031
Mid	5550	6.686	6.686	11.00	-4.314
High	5670	4.177	4.177	11.00	-6.823
142	5710	8.528	8.528	11.00	-2.472



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

Test Engineer:	20773
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	19.40	0.76	3.60	23.88	11.00
Mid	5550	19.90	0.76	3.60	23.99	11.00
High	5670	19.60	0.76	3.60	23.92	11.00
142	5710	19.60	0.76	3.60	23.92	11.00

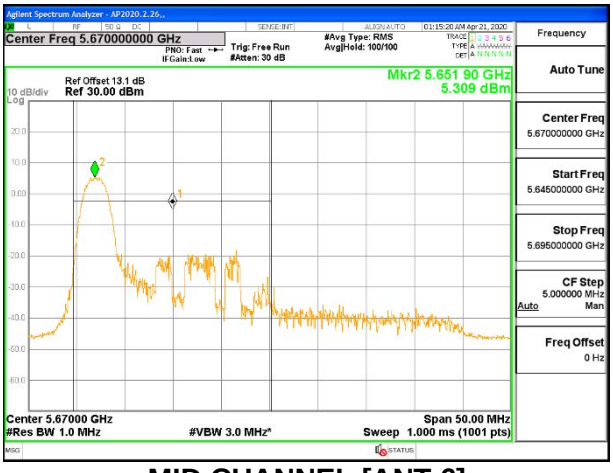
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd Power & PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.72	8.78	11.76	23.88	-12.12
Mid	5550	8.80	8.67	11.75	23.99	-12.24
High	5670	8.83	8.97	11.91	23.92	-12.01
142	5710	8.95	8.91	11.94	23.92	-11.98

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	5.105	5.110	8.118	11.00	-2.88
Mid	5550	5.300	4.813	8.074	11.00	-2.93
High	5670	5.309	5.782	8.562	11.00	-2.44
142	5710	5.749	5.712	8.741	11.00	-2.26



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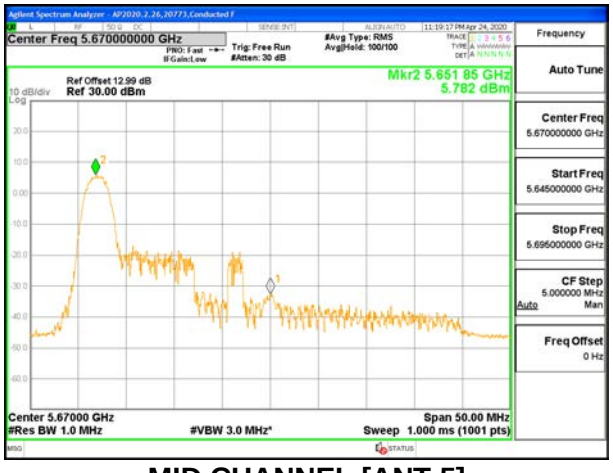

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 26 Tones, RU Index 8

Test Engineer:	20773
Test Date:	4/24/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	22.70	0.76	3.60	24.00	11.00
Mid	5550	21.90	0.76	3.60	24.00	11.00
High	5670	22.30	0.76	3.60	24.00	11.00
142	5710	23.00	0.76	3.60	24.00	11.00

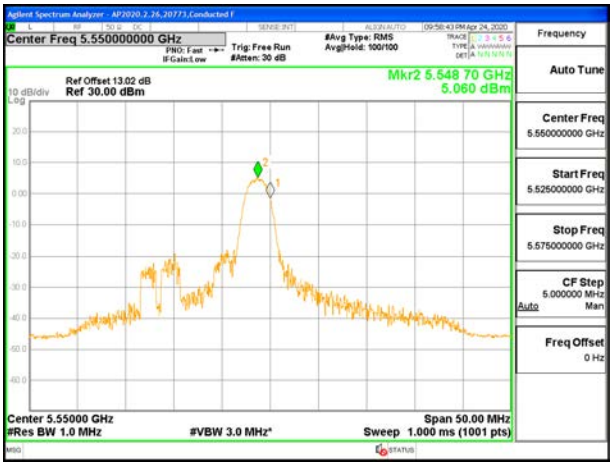
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd Power & PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.68	8.79	11.75	24.00	-12.25
Mid	5550	8.64	8.72	11.69	24.00	-12.31
High	5670	8.96	8.91	11.95	24.00	-12.05
142	5710	8.87	8.92	11.91	24.00	-12.09

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	5.448	5.406	8.437	11.00	-2.56
Mid	5550	5.060	4.861	7.972	11.00	-3.03
High	5670	6.088	5.673	8.896	11.00	-2.10
142	5710	5.604	5.675	8.650	11.00	-2.35



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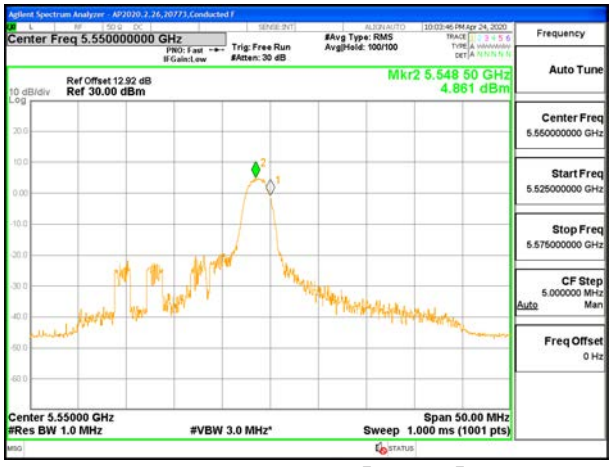

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 26 Tones, RU Index 17

Test Engineer:	20773
Test Date:	4/24/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	19.20	0.76	3.60	23.83	11.00
Mid	5550	19.30	0.76	3.60	23.86	11.00
High	5670	19.20	0.76	3.60	23.83	11.00
142	5710	14.90	0.76	3.60	22.73	11.00

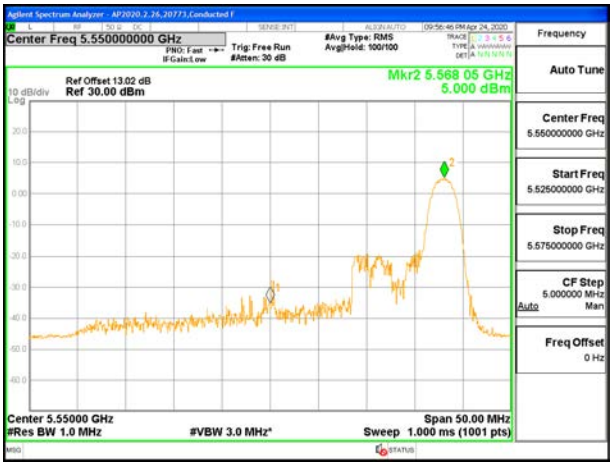
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd Power & PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.75	8.84	11.81	23.83	-12.03
Mid	5550	8.69	8.71	11.71	23.86	-12.15
High	5670	8.83	8.78	11.82	23.83	-12.02
142	5710	8.97	8.90	11.95	22.73	-10.79

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	5510	5.557	5.583	8.580	11.00	-2.42
Mid	5550	5.000	5.230	8.127	11.00	-2.87
High	5670	5.622	5.510	8.577	11.00	-2.42
142	5710	5.750	5.743	8.757	11.00	-2.24



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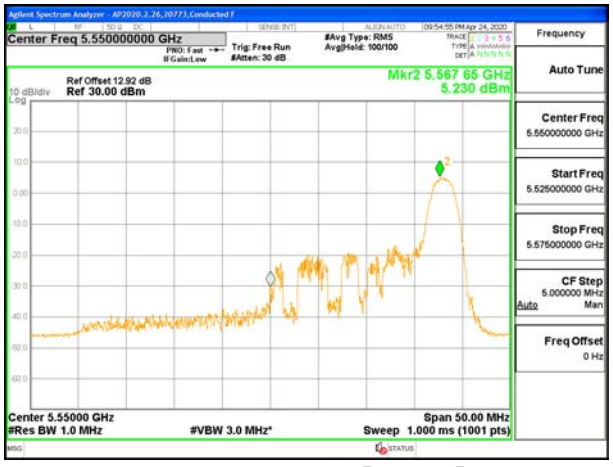

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 484 Tones, RU Index 65

Test Engineer:	20773 & 44352
Test Date:	4/24/2020 & 8/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5510	40.80	0.76	3.60	24.00	11.00
Mid	5550	40.80	0.76	3.60	24.00	11.00
High	5670	41.00	0.76	3.60	24.00	11.00
142	5710	35.40	0.76	3.60	24.00	11.00

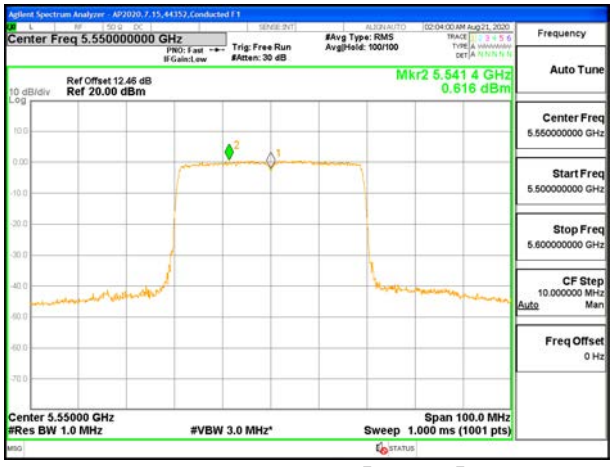
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd Power & PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.45	15.41	18.44	24.00	-5.56
Mid	5550	16.57	19.84	21.52	24.00	-2.48
High	5670	16.74	18.35	20.63	24.00	-3.37
142	5710	16.61	19.91	21.58	24.00	-2.42

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-0.704	-0.815	2.251	11.00	-8.75
Mid	5550	0.616	5.785	6.938	11.00	-4.06
High	5670	1.424	3.183	5.402	11.00	-5.60
142	5710	1.753	6.968	8.111	11.00	-2.89



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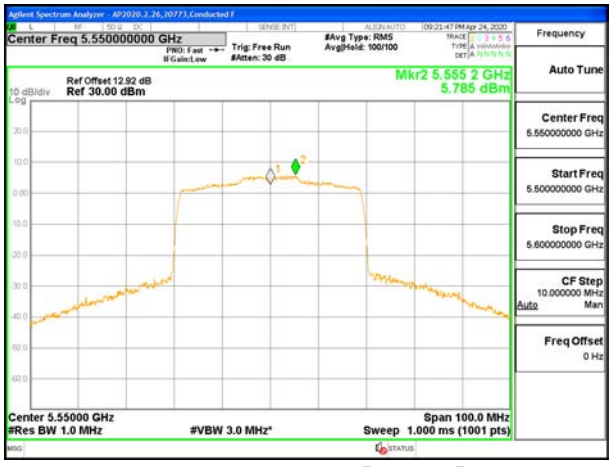

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8.4.18.802.11ax HE80 MODE IN THE 5.6 GHz BAND

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	20.00	2.20	24.00	11.00
High	5610	20.20	2.20	24.00	11.00
138	5690	20.40	2.20	24.00	11.00

Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.85	11.85	24.00	-12.15
High	5610	11.88	11.88	24.00	-12.12
138	5690	11.91	11.91	24.00	-12.09

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	7.532	7.532	11.00	-3.468
High	5610	7.828	7.828	11.00	-3.172
138	5690	8.301	8.301	11.00	-2.699

LOW CHANNEL

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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	40.60	2.20	24.00	11.00
High	5610	40.00	2.20	24.00	11.00
138	5690	21.50	2.20	24.00	11.00

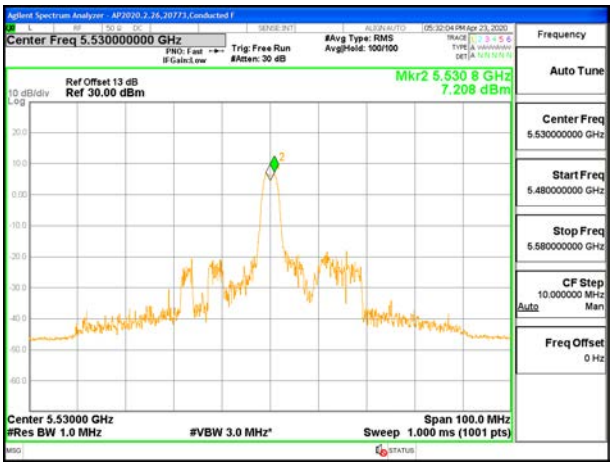
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.84	11.84	24.00	-12.16
High	5610	11.88	11.88	24.00	-12.12
138	5690	11.92	11.92	24.00	-12.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	7.208	7.208	11.00	-3.792
High	5610	7.547	7.547	11.00	-3.453
138	5690	7.908	7.908	11.00	-3.092



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

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	20.60	2.20	24.00	11.00
High	5610	21.00	2.20	24.00	11.00
138	5690	17.80	2.20	23.50	11.00

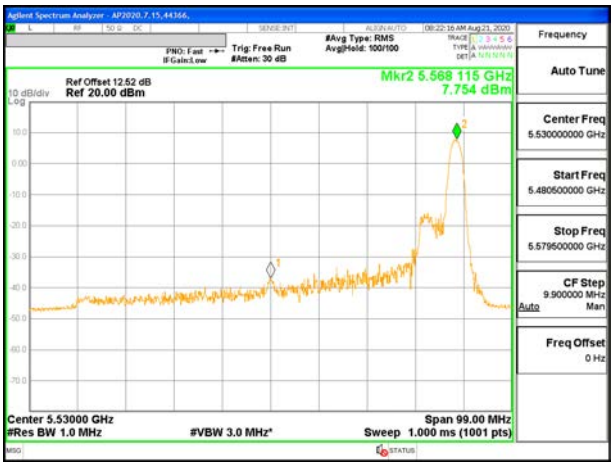
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.88	11.88	24.00	-12.12
High	5610	11.92	11.92	24.00	-12.08
138	5690	11.96	11.96	23.50	-11.54

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	7.754	7.754	11.00	-3.246
High	5610	8.632	8.632	11.00	-2.368
138	5690	8.646	8.646	11.00	-2.354



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1TX ANT 6 MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	82.80	2.20	24.00	11.00
High	5610	83.00	2.20	24.00	11.00
138	5690	75.60	2.20	24.00	11.00

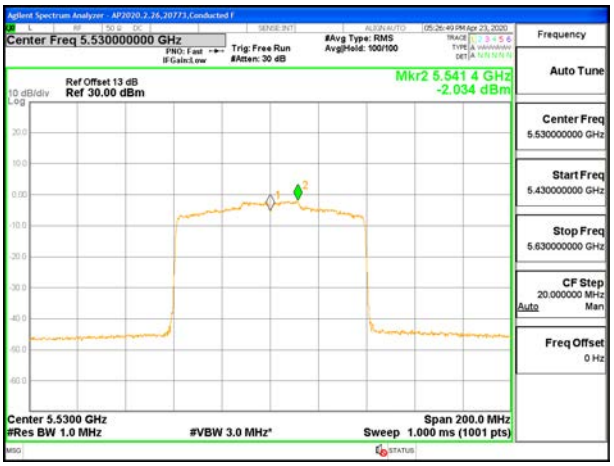
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.92	14.92	24.00	-9.08
High	5610	16.74	16.74	24.00	-7.26
138	5690	16.71	16.71	24.00	-7.29

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-2.034	-2.034	11.00	-13.034
High	5610	-1.441	-1.441	11.00	-12.441
138	5690	-1.355	-1.355	11.00	-12.355



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

Test Engineer:	20663
Test Date:	4/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	20.00	-1.40	24.00	11.00
High	5610	19.80	-1.40	23.97	11.00
138	5690	20.00	-1.40	24.00	11.00

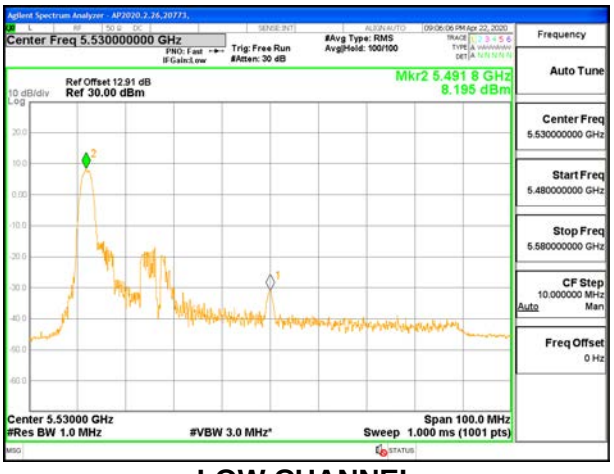
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.90	11.90	24.00	-12.10
High	5610	11.94	11.94	23.97	-12.03
138	5690	11.88	11.88	24.00	-12.12

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	8.195	8.195	11.00	-2.805
High	5610	8.327	8.327	11.00	-2.673
138	5690	7.895	7.895	11.00	-3.105



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	40.60	-1.40	24.00	11.00
High	5610	38.80	-1.40	24.00	11.00
138	5690	22.00	-1.40	24.00	11.00

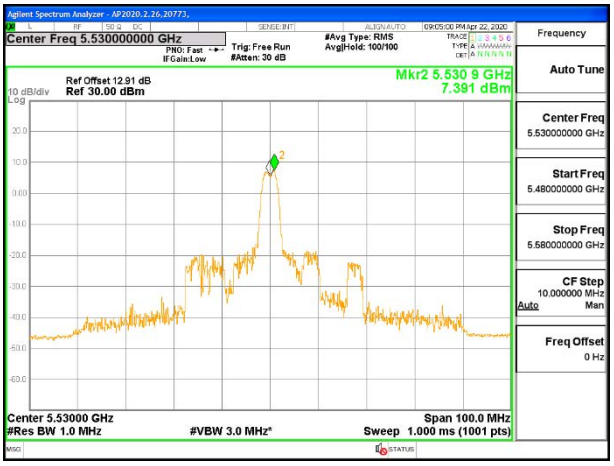
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.83	11.83	24.00	-12.17
High	5610	11.85	11.85	24.00	-12.15
138	5690	11.88	11.88	24.00	-12.12

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	7.391	7.391	11.00	-3.609
High	5610	7.487	7.487	11.00	-3.513
138	5690	7.283	7.283	11.00	-3.717



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

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	21.40	-1.40	24.00	11.00
High	5610	21.60	-1.40	24.00	11.00
138	5690	17.90	-1.40	23.53	11.00

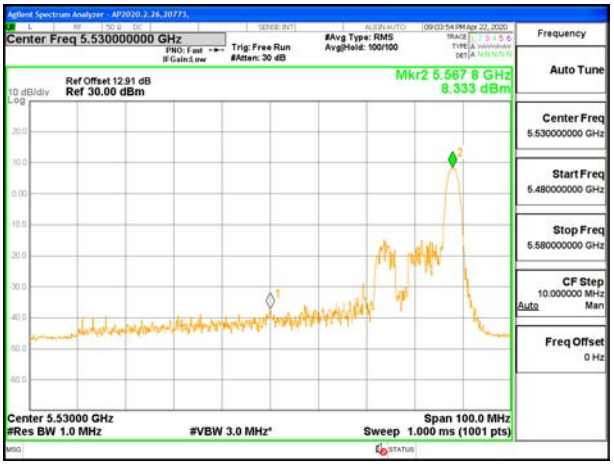
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.90	11.90	24.00	-12.10
High	5610	11.94	11.94	24.00	-12.06
138	5690	11.96	11.96	23.53	-11.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	8.333	8.333	11.00	-2.667
High	5610	8.385	8.385	11.00	-2.615
138	5690	8.575	8.575	11.00	-2.425



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1TX ANT 5 MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/22/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	83.20	2.20	24.00	11.00
High	5610	83.20	2.20	24.00	11.00
138	5690	75.70	2.20	24.00	11.00

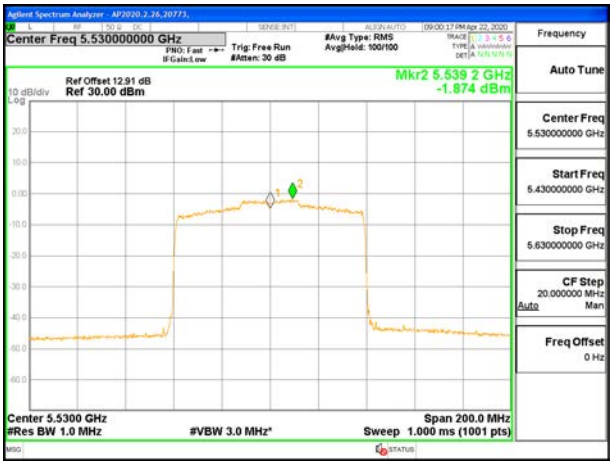
Duty Cycle CF (dB)	0.00	**Included in Calculations Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.90	14.90	24.00	-9.10
High	5610	21.43	21.43	24.00	-2.57
138	5690	21.45	21.45	24.00	-2.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-1.874	-1.874	11.00	-12.874
High	5610	4.535	4.535	11.00	-6.465
138	5690	5.654	5.654	11.00	-5.346



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

Test Engineer:	20773
Test Date:	4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	19.40	0.76	3.60	23.88	11.00
High	5610	19.20	0.76	3.60	23.83	11.00
138	5690	19.60	0.76	3.60	23.92	11.00

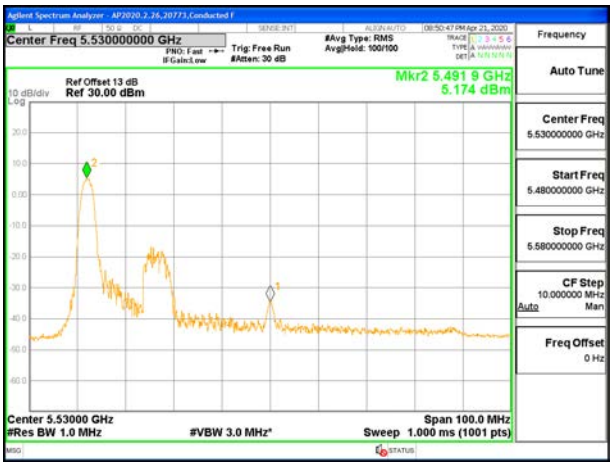
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

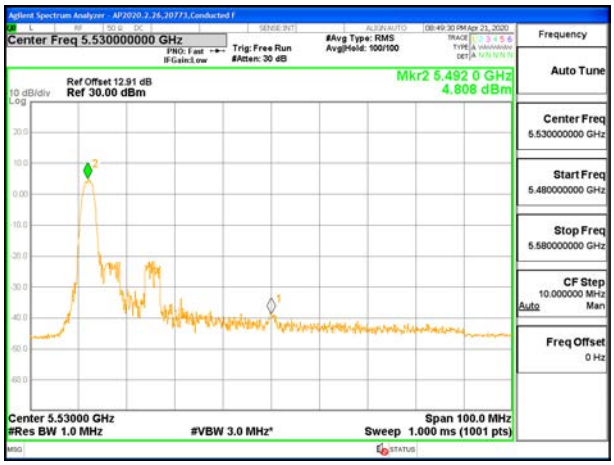
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.87	8.84	11.87	23.88	-12.01
High	5610	8.90	8.88	11.90	23.83	-11.93
138	5690	8.94	8.96	11.96	23.92	-11.96

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	5.174	4.808	8.005	11.00	-2.995
High	5610	5.297	5.384	8.351	11.00	-2.649
138	5690	5.354	4.962	8.173	11.00	-2.827



LOW CHANNEL [ANT 6]



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

Test Engineer:	20773 & 23560
Test Date:	4/22/2020 & 3/23/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	39.00	0.76	3.60	24.00	11.00
High	5610	39.00	0.76	3.60	24.00	11.00
138	5690	19.90	0.76	3.60	23.99	11.00

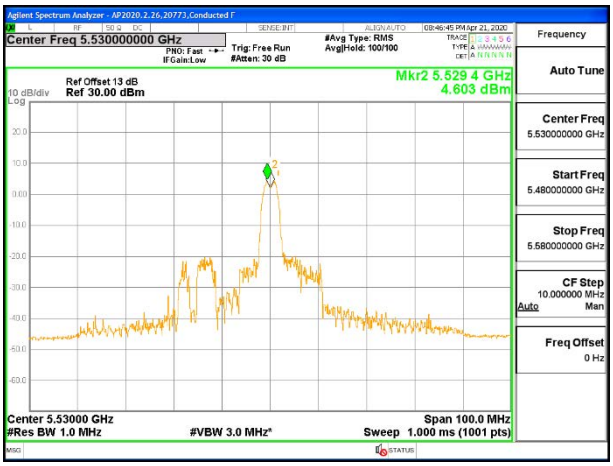
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.82	8.91	11.88	24.00	-12.12
High	5610	8.84	8.89	11.88	24.00	-12.12
138	5690	8.86	8.88	11.88	23.99	-12.11

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	4.603	4.915	7.772	11.00	-3.228
High	5610	4.844	4.466	7.669	11.00	-3.331
138	5690	4.828	4.433	7.645	11.00	-3.355



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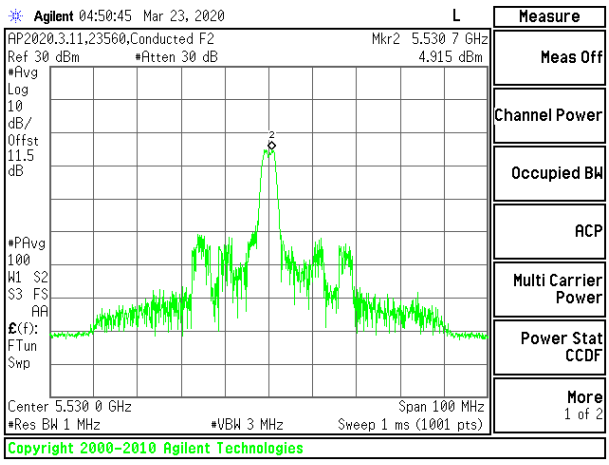

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 26 Tones, RU Index 36

Test Engineer:	23560 & 20773
Test Date:	3/23/2020 & 4/21/2020

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	18.40	0.76	3.60	23.65	11.00
High	5610	19.60	0.76	3.60	23.92	11.00
138	5690	15.20	0.76	3.60	22.82	11.00

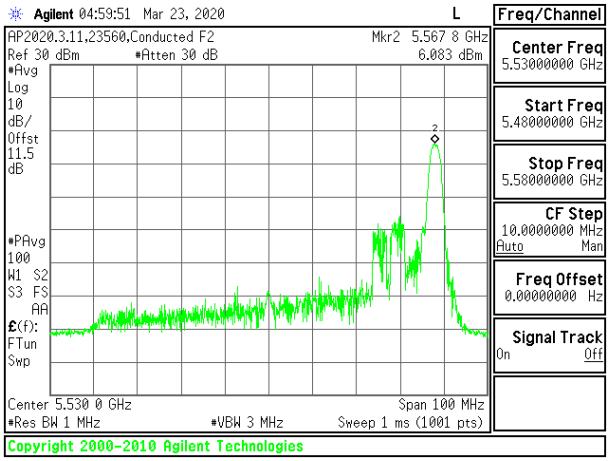
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	8.85	8.84	11.86	23.65	-11.79
High	5610	8.88	8.94	11.92	23.92	-12.00
138	5690	8.92	8.87	11.91	22.82	-10.91

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	6.083	5.707	8.909	11.00	-2.091
High	5610	6.163	6.116	9.150	11.00	-1.850
138	5690	6.171	5.977	9.085	11.00	-1.915



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2TX ANT 6 + ANT 5 OFDMA MODE (FCC) – 996 Tones, RU Index 67

Test Engineer:	20773
Test Date:	4/21/2020

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5530	83.40	0.76	3.60	24.00	11.00
High	5610	83.00	0.76	3.60	24.00	11.00
138	5690	75.30	0.76	3.60	24.00	11.00

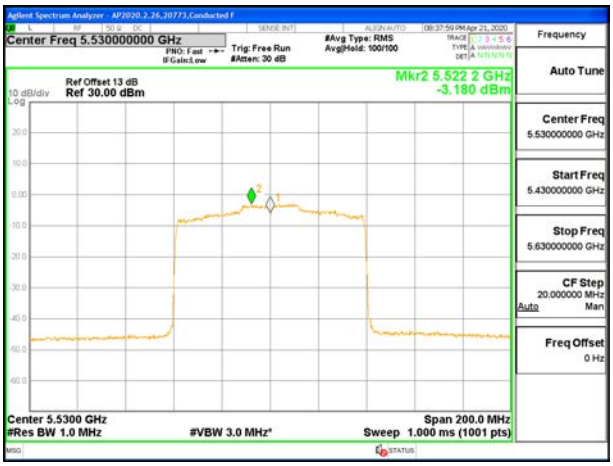
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	13.88	13.92	16.91	24.00	-7.09
High	5610	16.72	19.84	21.56	24.00	-2.44
138	5690	16.73	19.88	21.59	24.00	-2.41

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5530	-3.180	-2.788	0.031	11.00	-10.969
High	5610	-1.199	3.514	4.778	11.00	-6.222
138	5690	-0.921	4.006	5.217	11.00	-5.783



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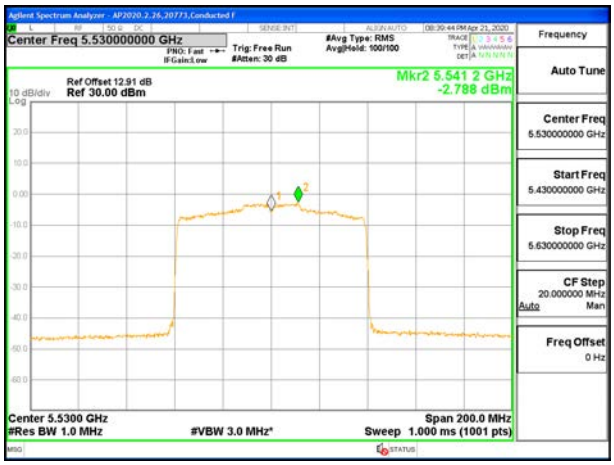

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8.4.19.802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC)

Test Engineer:	44366
Test Date:	8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.10	30.00	30.00
Mid	5785	-1.10	30.00	30.00
High	5825	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.94	17.94	30.00	-12.06
Mid	5785	17.90	17.90	30.00	-12.10
High	5825	17.92	17.92	30.00	-12.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	PSD Margin (dB)
Low	5745	4.383	4.383	30.00	-25.62
Mid	5785	4.166	4.166	30.00	-25.83
High	5825	4.346	4.346	30.00	-25.65

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1TX ANT 5 MODE (FCC+IC)

Test Engineer:	44352
Test Date:	8/18/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.90	30.00	30.00
Mid	5785	-2.90	30.00	30.00
High	5825	-2.90	30.00	30.00

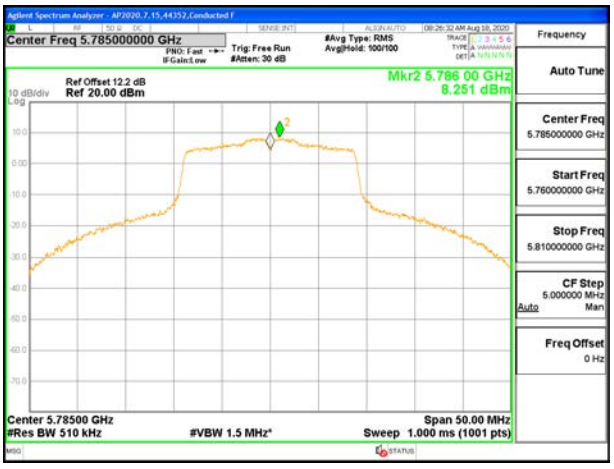
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.300	21.300	30.00	-8.70
Mid	5785	21.370	21.370	30.00	-8.63
High	5825	21.430	21.430	30.00	-8.57

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.183	8.183	30.00	-21.82
Mid	5785	8.251	8.251	30.00	-21.75
High	5825	8.309	8.309	30.00	-21.69



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

Test Engineer:	44352 & 44366
Test Date:	8/18/2020 & 8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.91	1.06	30.00	30.00
Mid	5785	-1.91	1.06	30.00	30.00
High	5825	-1.91	1.06	30.00	30.00

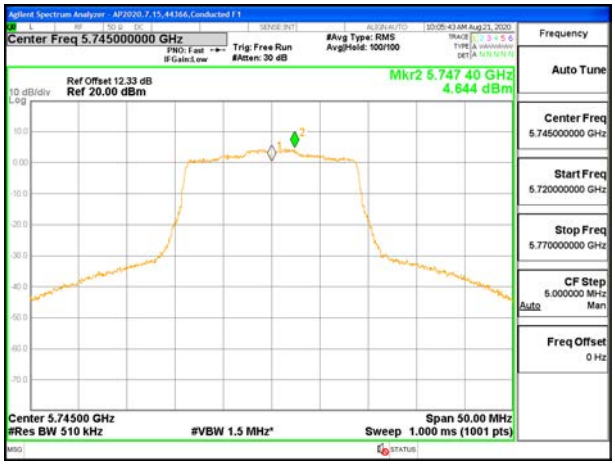
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.94	21.47	23.06	30.00	-6.94
Mid	5785	17.96	21.41	23.03	30.00	-6.97
High	5825	17.86	21.42	23.01	30.00	-6.99

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	4.644	8.301	9.857	30.00	-20.143
Mid	5785	4.748	8.138	9.776	30.00	-20.224
High	5825	4.561	8.239	9.789	30.00	-20.211



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8.4.20.802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC)

Test Engineer:	44366
Test Date:	8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.10	30.00	30.00
High	5795	-1.10	30.00	30.00

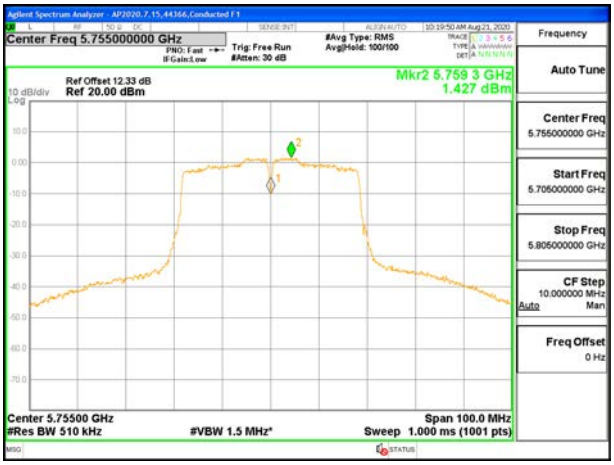
Duty Cycle CF (dB)	0.09	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.87	17.87	30.00	-12.13
High	5795	17.90	17.90	30.00	-12.10

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	1.427	1.517	30.00	-28.48
High	5795	1.676	1.766	30.00	-28.23



LOW CHANNEL

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1TX ANT 5 MODE (FCC+IC)

Test Engineer:	12485
Test Date:	4/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.90	30.00	30.00
High	5795	-2.90	30.00	30.00

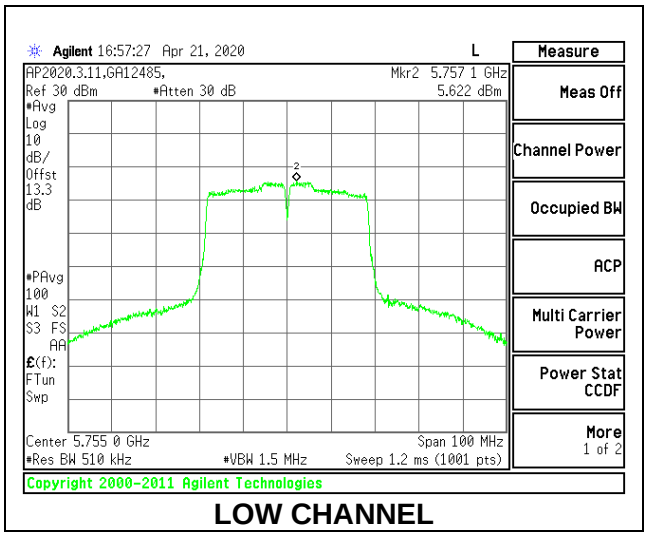
Duty Cycle CF (dB)	0.09	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.94	20.94	30.00	-9.06
High	5795	20.91	20.91	30.00	-9.09

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	5.622	5.712	30.00	-24.29
High	5795	5.368	5.458	30.00	-24.54



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

Test Engineer:	44366 & 23560
Test Date:	8/21/2020 & 3/23/2020

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.91	1.06	30.00	30.00
High	5795	-1.91	1.06	30.00	30.00

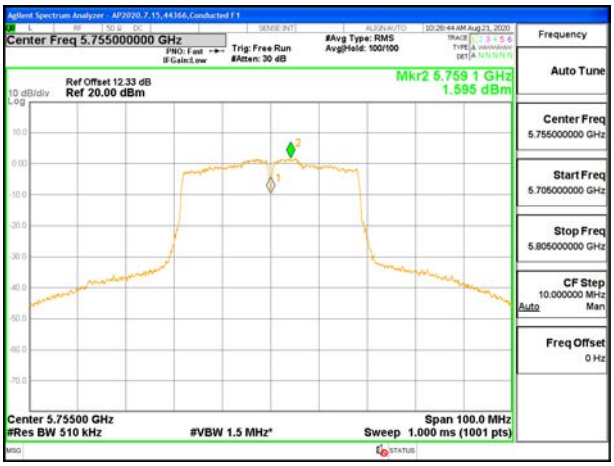
Duty Cycle CF (dB)	0.09	**Included in Calculations of Corr'd PSD**

Output Power Results

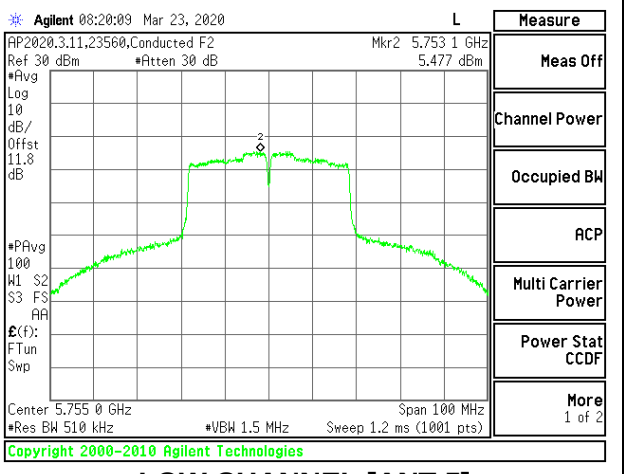
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.93	20.92	22.69	30.00	-7.31
High	5795	17.95	20.88	22.67	30.00	-7.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	1.595	5.477	7.056	30.00	-22.944
High	5795	1.628	5.255	6.910	30.00	-23.090



LOW CHANNEL [ANT 6]



LOW CHANNEL [ANT 5]

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8.4.21.802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC)

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.10	30.00	30.00

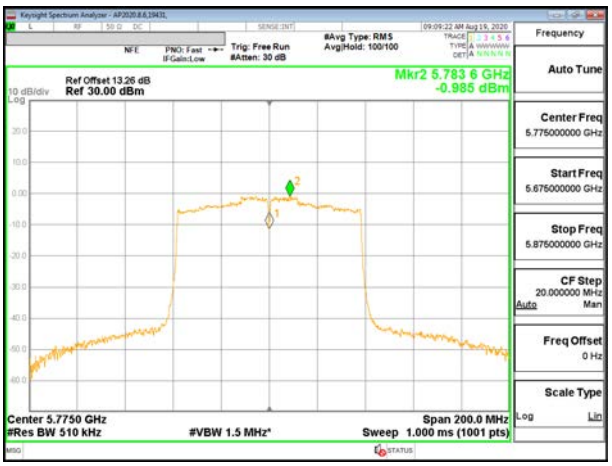
Duty Cycle CF (dB)	0.19	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.93	17.93	30.00	-12.07

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	-0.985	-0.795	30.00	-30.80



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1TX ANT 5 MODE (FCC+IC)

Test Engineer:	44366
Test Date:	8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-2.90	30.00	30.00

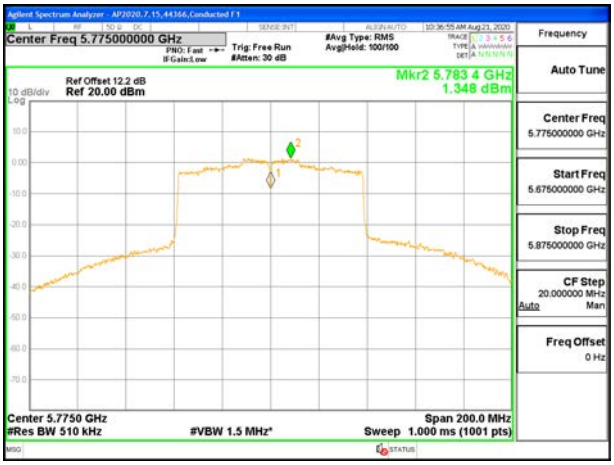
Duty Cycle CF (dB)	0.19	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	20.42	20.42	30.00	-9.58

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	1.348	1.538	30.00	-28.46



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

Test Engineer:	19431 & 44366
Test Date:	8/19/2020 & 8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.91	1.06	30.00	30.00

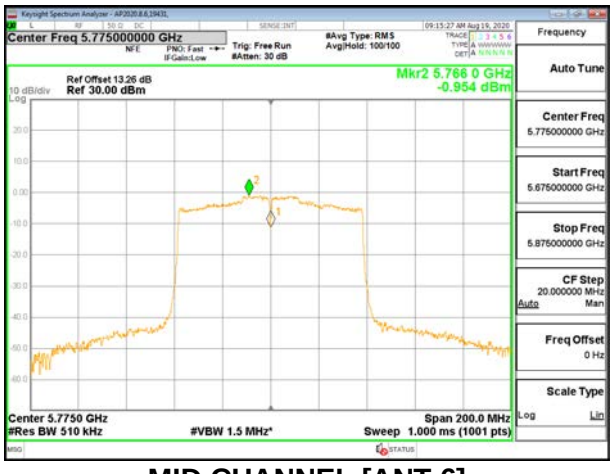
Duty Cycle CF (dB)	0.18	**Included in Calculations of Corr'd PSD**

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	5775	17.88	19.92	22.03	30.00	-7.97

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	-0.954	0.608	3.087	30.00	-26.913



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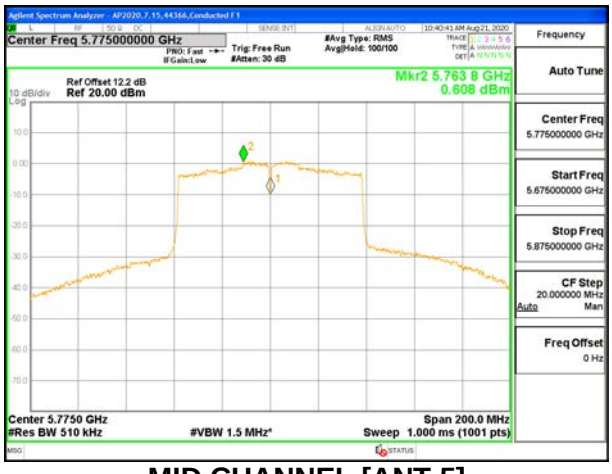

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8.4.22.802.11ax HE20 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.10	30.00	30.00
Mid	5785	-1.10	30.00	30.00
High	5825	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.86	17.86	30.00	-12.14
Mid	5785	17.85	17.85	30.00	-12.15
High	5825	17.89	17.89	30.00	-12.11

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.827	15.827	30.00	-14.17
Mid	5785	15.822	15.822	30.00	-14.18
High	5825	15.986	15.986	30.00	-14.01

*PSD tested at high power

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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 4

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.10	30.00	30.00
Mid	5785	-1.10	30.00	30.00
High	5825	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.86	17.86	30.00	-12.14
Mid	5785	17.89	17.89	30.00	-12.11
High	5825	17.82	17.82	30.00	-12.18

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.783	15.783	30.00	-14.22
Mid	5785	16.130	16.130	30.00	-13.87
High	5825	15.377	15.377	30.00	-14.62

*PSD tested at high power

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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.10	30.00	30.00
Mid	5785	-1.10	30.00	30.00
High	5825	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.93	17.93	30.00	-12.07
Mid	5785	17.90	17.90	30.00	-12.10
High	5825	17.96	17.96	30.00	-12.04

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.789	15.789	30.00	-14.21
Mid	5785	15.663	15.663	30.00	-14.34
High	5825	16.278	16.278	30.00	-13.72

*PSD tested at high power

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1TX ANT 6 MODE (FCC+IC) MOBILE – 242 Tones, RU Index 61

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.10	30.00	30.00
Mid	5785	-1.10	30.00	30.00
High	5825	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

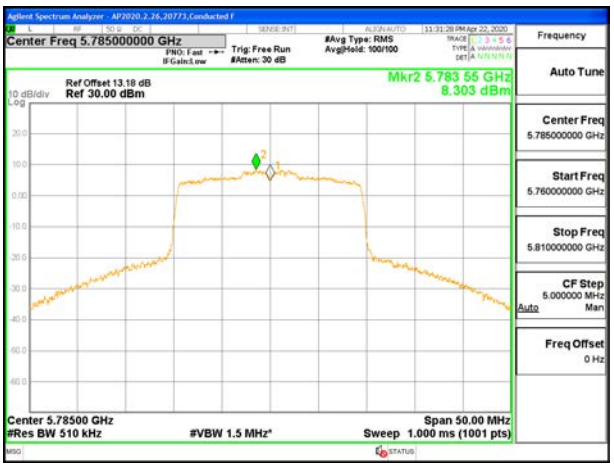
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.86	17.86	30.00	-12.14
Mid	5785	17.94	17.94	30.00	-12.06
High	5825	17.92	17.92	30.00	-12.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.742	7.742	30.00	-22.26
Mid	5785	8.303	8.303	30.00	-21.70
High	5825	8.097	8.097	30.00	-21.90

*PSD tested at high power



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.90	30.00	30.00
Mid	5785	-2.90	30.00	30.00
High	5825	-2.90	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.34	21.34	30.00	-8.66
Mid	5785	21.45	21.45	30.00	-8.55
High	5825	21.42	21.42	30.00	-8.58

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.332	15.332	30.00	-14.67
Mid	5785	15.338	15.338	30.00	-14.66
High	5825	15.639	15.639	30.00	-14.36

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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 4

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.90	30.00	30.00
Mid	5785	-2.90	30.00	30.00
High	5825	-2.90	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.32	21.32	30.00	-8.68
Mid	5785	21.47	21.47	30.00	-8.53
High	5825	21.39	21.39	30.00	-8.61

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.265	15.265	30.00	-14.74
Mid	5785	15.367	15.367	30.00	-14.63
High	5825	15.352	15.352	30.00	-14.65

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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.90	30.00	30.00
Mid	5785	-2.90	30.00	30.00
High	5825	-2.90	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.35	21.35	30.00	-8.65
Mid	5785	21.47	21.47	30.00	-8.53
High	5825	21.44	21.44	30.00	-8.56

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.406	15.406	30.00	-14.59
Mid	5785	15.695	15.695	30.00	-14.31
High	5825	15.892	15.892	30.00	-14.11

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1TX ANT 5 MODE (FCC+IC) MOBILE – 242 Tones, RU Index 61

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-2.90	30.00	30.00
Mid	5785	-2.90	30.00	30.00
High	5825	-2.90	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.39	21.39	30.00	-8.61
Mid	5785	21.46	21.46	30.00	-8.54
High	5825	21.37	21.37	30.00	-8.63

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	7.342	7.342	30.00	-22.66
Mid	5785	7.754	7.754	30.00	-22.25
High	5825	7.981	7.981	30.00	-22.02

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

Test Engineer:	20773
Test Date:	4/23/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.91	1.06	30.00	30.00
Mid	5785	-1.91	1.06	30.00	30.00
High	5825	-1.91	1.06	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.85	21.40	22.99	30.00	-7.01
Mid	5785	17.92	21.46	23.05	30.00	-6.95
High	5825	17.96	21.48	23.08	30.00	-6.92

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.326	15.726	18.541	30.00	-11.459
Mid	5785	15.804	15.936	18.881	30.00	-11.119
High	5825	15.950	15.951	18.961	30.00	-11.039

*ANT6 PSD tested at high power

MID CHANNEL [ANT 6]

MID CHANNEL [ANT 5]

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

Test Engineer:	20773
Test Date:	4/23/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.91	1.06	30.00	30.00
Mid	5785	-1.91	1.06	30.00	30.00
High	5825	-1.91	1.06	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.87	21.45	23.03	30.00	-6.97
Mid	5785	17.90	21.44	23.03	30.00	-6.97
High	5825	17.88	21.48	23.05	30.00	-6.95

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.482	15.530	18.516	30.00	-11.484
Mid	5785	15.534	15.371	18.464	30.00	-11.536
High	5825	15.549	15.592	18.581	30.00	-11.419

*ANT6 tested at high power

MID CHANNEL [ANT 6]

MID CHANNEL [ANT 5]

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

Test Engineer:	20773
Test Date:	4/23/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.91	1.06	30.00	30.00
Mid	5785	-1.91	1.06	30.00	30.00
High	5825	-1.91	1.06	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.93	21.40	23.01	30.00	-6.99
Mid	5785	17.92	21.42	23.02	30.00	-6.98
High	5825	17.96	21.47	23.07	30.00	-6.93

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.516	15.486	18.511	30.00	-11.489
Mid	5785	15.496	15.694	18.606	30.00	-11.394
High	5825	16.146	16.423	19.297	30.00	-10.703

*ANT6 tested at high power

MID CHANNEL [ANT 6]

MID CHANNEL [ANT 5]

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC+IC) MOBILE – 242 Tones, RU Index 61

Test Engineer:	20773
Test Date:	4/23/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5745	-1.91	1.06	30.00	30.00
Mid	5785	-1.91	1.06	30.00	30.00
High	5825	-1.91	1.06	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

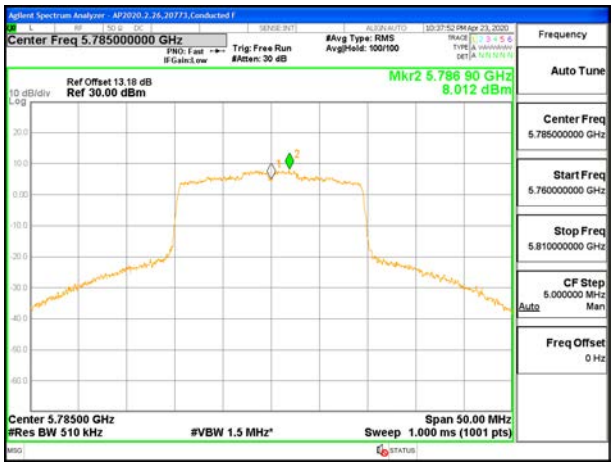
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.91	21.38	22.99	30.00	-7.01
Mid	5785	17.86	21.40	22.99	30.00	-7.01
High	5825	17.95	21.43	23.04	30.00	-6.96

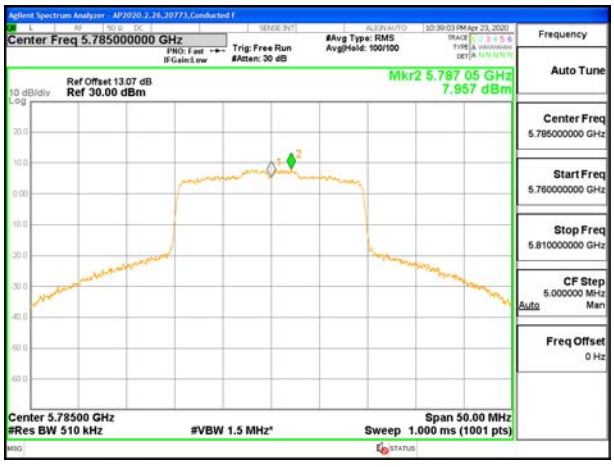
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.107	7.878	11.004	30.00	-18.996
Mid	5785	8.012	7.957	10.995	30.00	-19.005
High	5825	8.117	7.974	11.056	30.00	-18.944

*ANT6 tested at high power



MID CHANNEL [ANT 6]



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8.4.23.802.11ax HE40 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	44366
Test Date:	8/21/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.10	30.00	30.00
High	5795	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

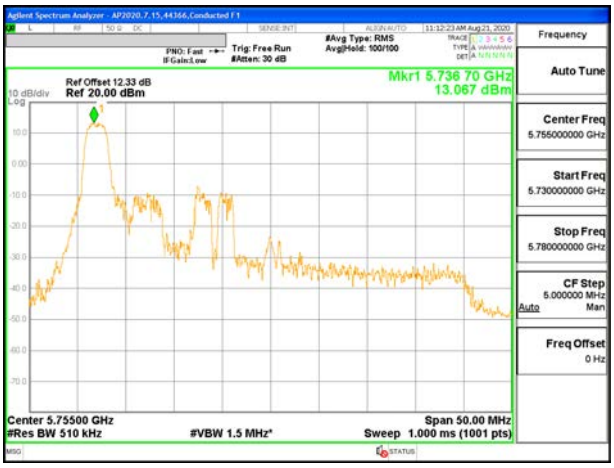
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.90	17.90	30.00	-12.10
High	5795	17.88	17.88	30.00	-12.12

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	13.067	13.067	30.00	-16.93
High	5795	12.900	12.900	30.00	-17.10

*PSD tested at higher power



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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.10	30.00	30.00
High	5795	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

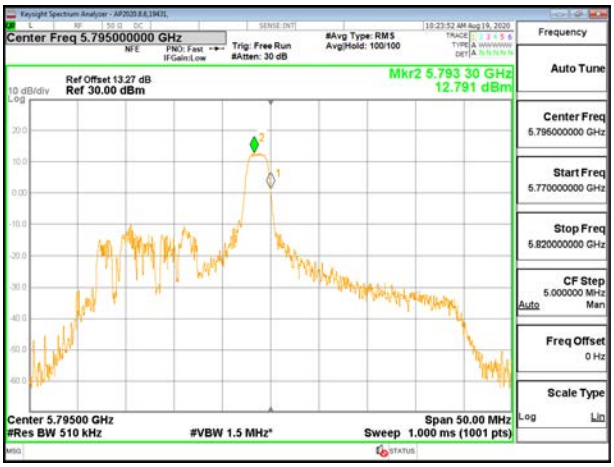
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.80	17.80	30.00	-12.20
High	5795	17.72	17.72	30.00	-12.28

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	12.876	12.876	30.00	-17.12
High	5795	12.791	12.791	30.00	-17.21

*PSD tested at higher power



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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 17

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.10	30.00	30.00
High	5795	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

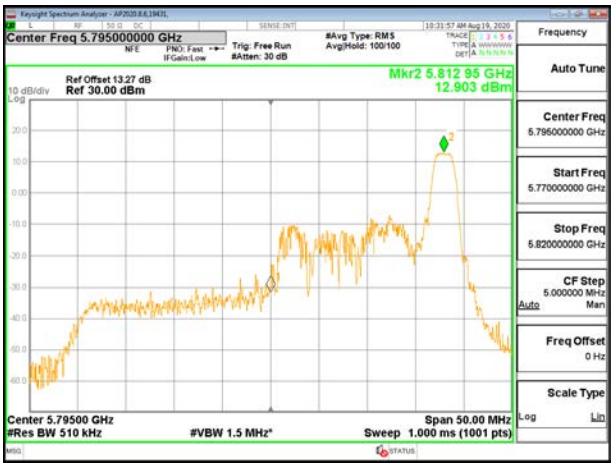
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.90	17.90	30.00	-12.10
High	5795	17.93	17.93	30.00	-12.07

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	12.889	12.889	30.00	-17.11
High	5795	12.903	12.903	30.00	-17.10

*PSD tested at higher power



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1TX ANT 6 MODE (FCC+IC) MOBILE – 484 Tones, RU Index 65

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.10	30.00	30.00
High	5795	-1.10	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

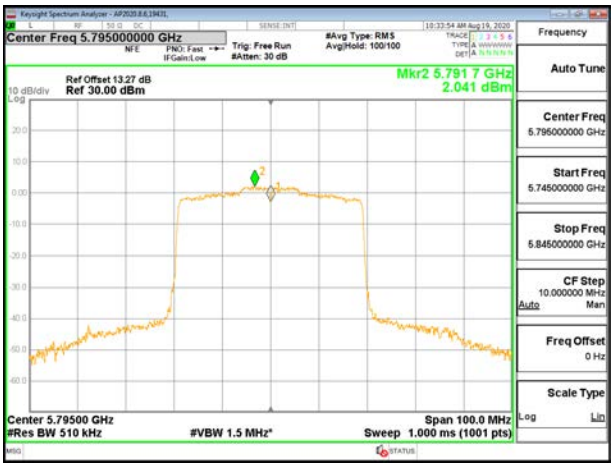
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.86	17.86	30.00	-12.14
High	5795	17.84	17.84	30.00	-12.16

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	2.103	2.103	30.00	-27.90
High	5795	2.041	2.041	30.00	-27.96

*PSD tested at higher power



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.90	30.00	30.00
High	5795	-2.90	30.00	30.00

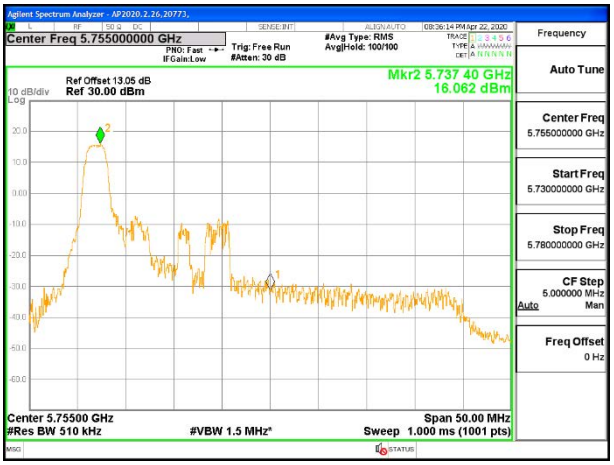
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.89	20.89	30.00	-9.11
High	5795	20.85	20.85	30.00	-9.15

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	16.062	16.062	30.00	-13.94
High	5795	15.939	15.939	30.00	-14.06



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.90	30.00	30.00
High	5795	-2.90	30.00	30.00

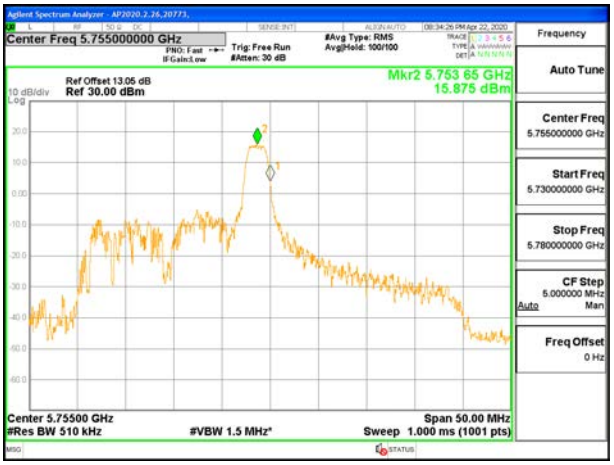
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.87	20.87	30.00	-9.13
High	5795	20.92	20.92	30.00	-9.08

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	15.875	15.875	30.00	-14.13
High	5795	16.105	16.105	30.00	-13.90



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 17

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.90	30.00	30.00
High	5795	-2.90	30.00	30.00

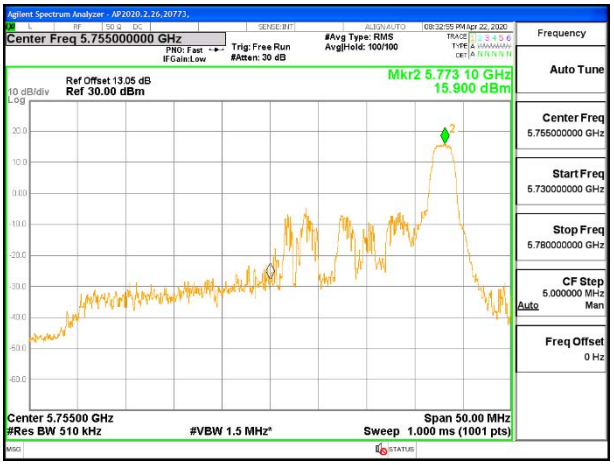
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.90	20.90	30.00	-9.10
High	5795	20.94	20.94	30.00	-9.06

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	15.900	15.900	30.00	-14.10
High	5795	16.367	16.367	30.00	-13.63



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1TX ANT 5 MODE (FCC+IC) MOBILE – 484 Tones, RU Index 65

Test Engineer:	20773
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-2.90	30.00	30.00
High	5795	-2.90	30.00	30.00

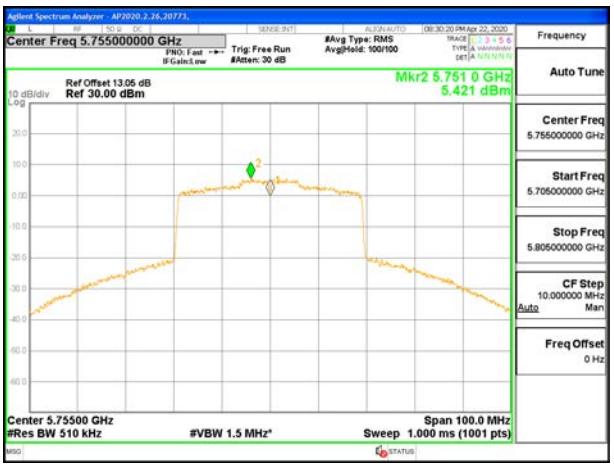
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.93	20.93	30.00	-9.07
High	5795	20.84	20.84	30.00	-9.16

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	5.421	5.421	30.00	-24.58
High	5795	4.913	4.913	30.00	-25.09



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

Test Engineer:	20733
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.91	1.06	30.00	30.00
High	5795	-1.91	1.06	30.00	30.00

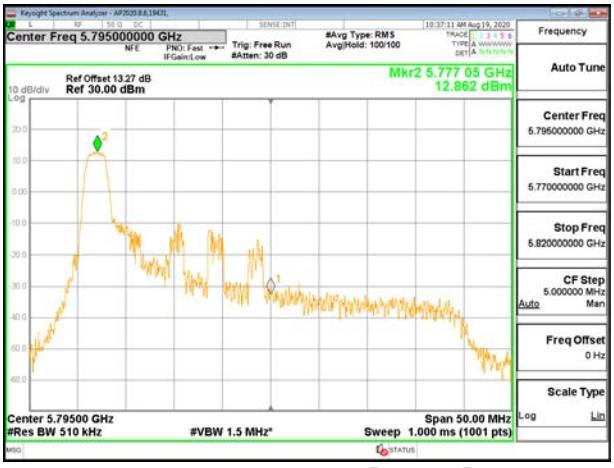
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5755	17.64	20.72	22.46	30.00	-7.54
High	5795	17.79	20.85	22.59	30.00	-7.41

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755				30.00	
High	5795	12.862			30.00	
142	5710	6.425	6.312	9.379	30.00	-20.621



LOW CHANNEL [ANT 6]

LOW CHANNEL [ANT 5]

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

Test Engineer:	20733
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.91	1.06	30.00	30.00
High	5795	-1.91	1.06	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5755	17.74	20.75	22.51	30.00	-7.49
High	5795	17.92	20.94	22.70	30.00	-7.30

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.570	15.771	18.682	30.00	-11.318
High	5825	16.204	15.713	18.976	30.00	-11.024
142	5710	5.987	6.005	9.006	30.00	-20.994

LOW CHANNEL [ANT 6]

LOW CHANNEL [ANT 5]

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

Test Engineer:	20733
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.91	1.06	30.00	30.00
High	5795	-1.91	1.06	30.00	30.00

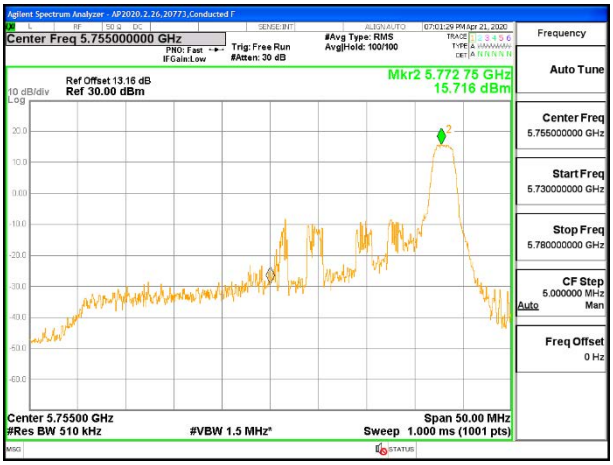
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5755	17.77	20.81	22.56	30.00	-7.44
High	5795	17.89	20.97	22.71	30.00	-7.29

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	15.716	16.123	18.935	30.00	-11.065
High	5825	16.357	16.163	19.271	30.00	-10.729



LOW CHANNEL [ANT 6]

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC+IC) MOBILE – 484 Tones, RU Index 65

Test Engineer:	20733
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Low	5755	-1.91	1.06	30.00	30.00
High	5795	-1.91	1.06	30.00	30.00

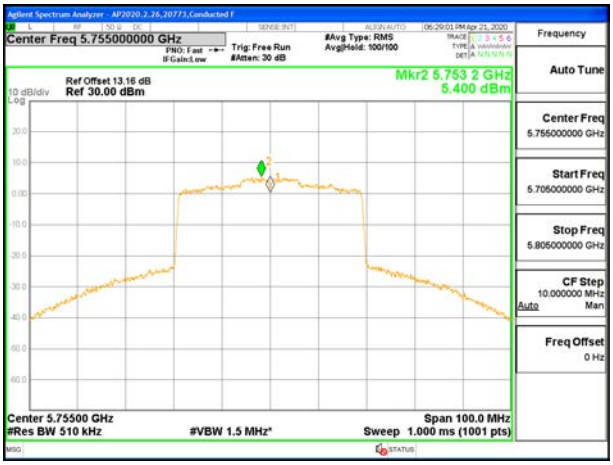
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5755	17.82	20.64	22.47	30.00	-7.53
High	5795	17.95	20.85	22.65	30.00	-7.35

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	5.400	5.377	8.399	30.00	-21.601
High	5825	5.129	5.240	8.195	30.00	-21.805



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8.4.24.802.11ax HE80 MODE IN THE 5.8 GHz BAND

1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.10	30.00	30.00

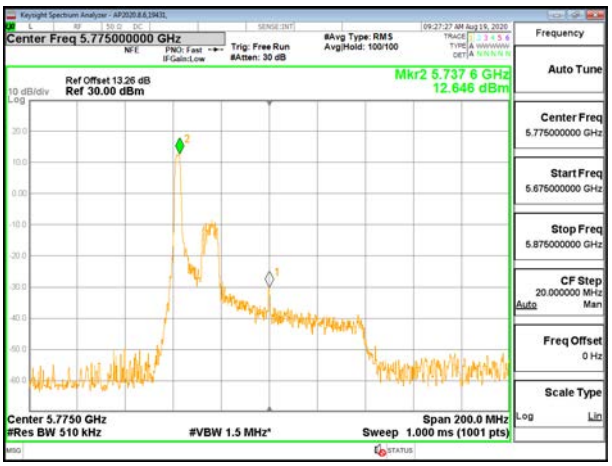
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.850	17.850	30.00	-12.15

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	12.646	12.646	30.00	-17.35



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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 18

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.10	30.00	30.00

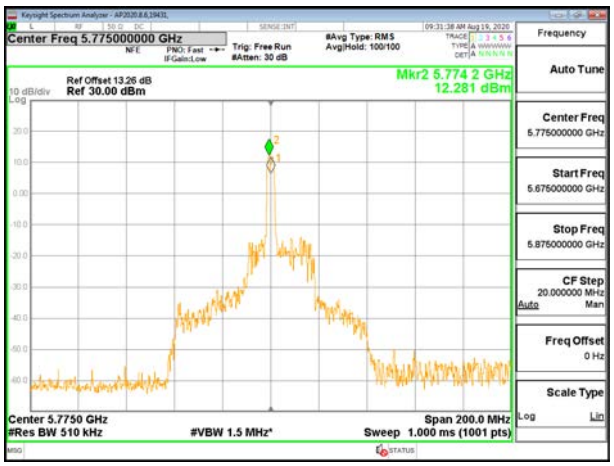
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.760	17.760	30.00	-12.24

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	12.281	12.281	30.00	-17.72



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1TX ANT 6 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 36

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.10	30.00	30.00

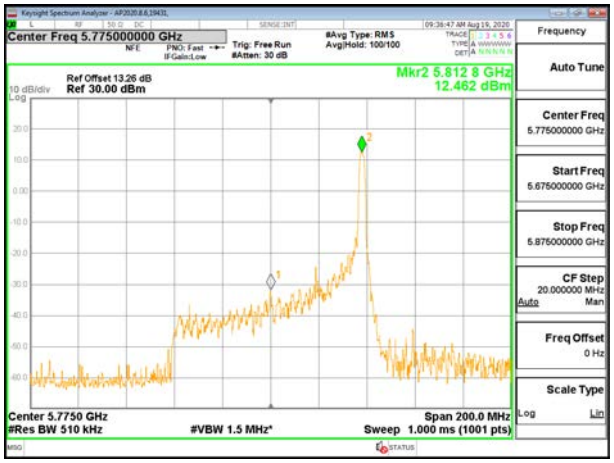
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.690	17.690	30.00	-12.31

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	12.462	12.462	30.00	-17.54



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1TX ANT 6 MODE (FCC+IC) MOBILE – 996 Tones, RU Index 67

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.10	30.00	30.00

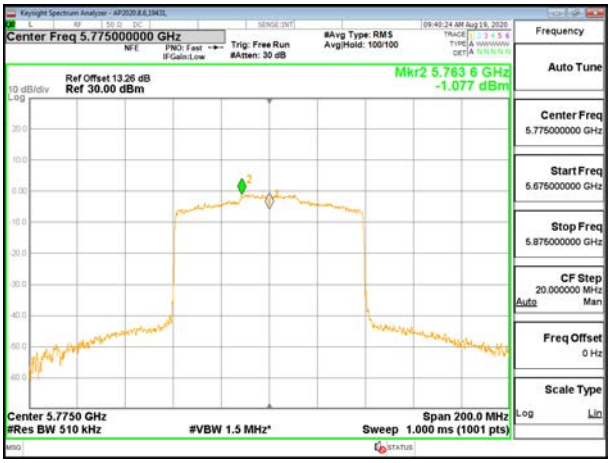
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.840	17.840	30.00	-12.16

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	-1.077	-1.077	30.00	-31.08



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20733
Test Date:	4/22/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-2.90	30.00	30.00

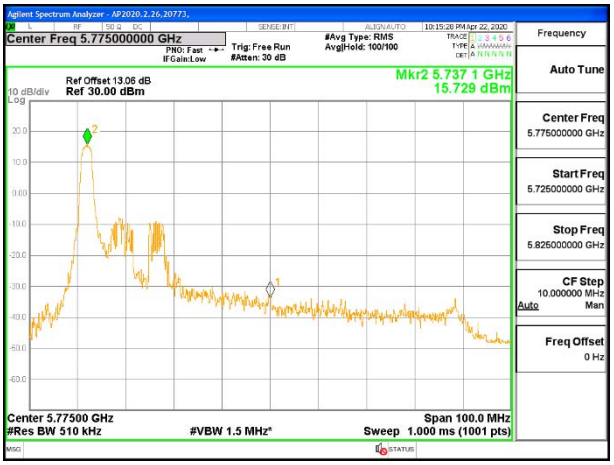
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.420	21.420	30.00	-8.58

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	15.729	15.729	30.00	-14.27



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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 18

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-2.90	30.00	30.00

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.47	21.47	30.00	-8.53

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	15.950	15.950	30.00	-14.05

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1TX ANT 5 MODE (FCC+IC) MOBILE – 26 Tones, RU Index 36

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-2.90	30.00	30.00

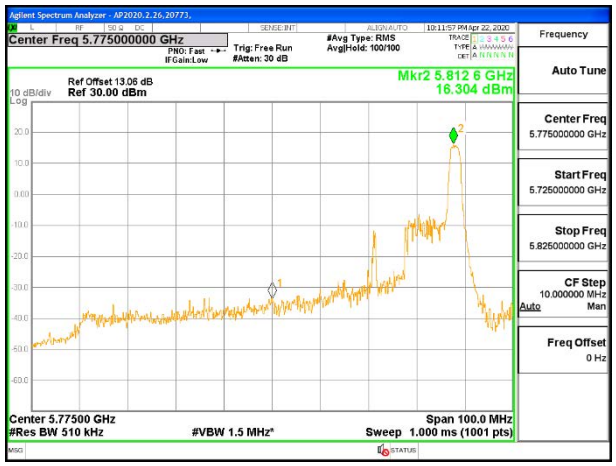
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.450	21.450	30.00	-8.55

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	16.304	16.304	30.00	-13.70



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1TX ANT 5 MODE (FCC+IC) MOBILE – 996 Tones, RU Index 67

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-2.90	30.00	30.00

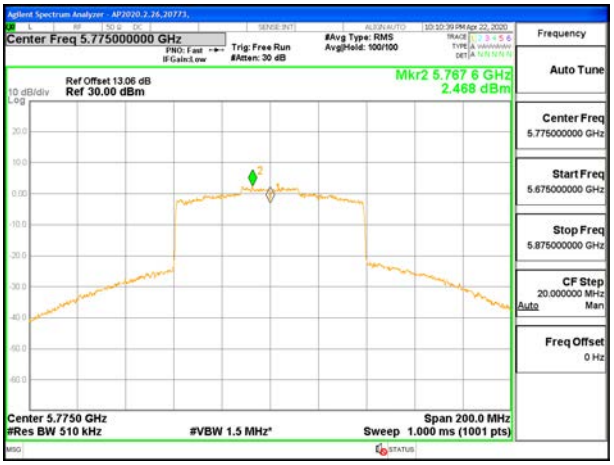
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

Channel	Frequency (MHz)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	20.440	20.440	30.00	-9.56

PSD Results

Channel	Frequency (MHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	2.468	2.468	30.00	-27.53



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

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.91	1.06	30.00	30.00

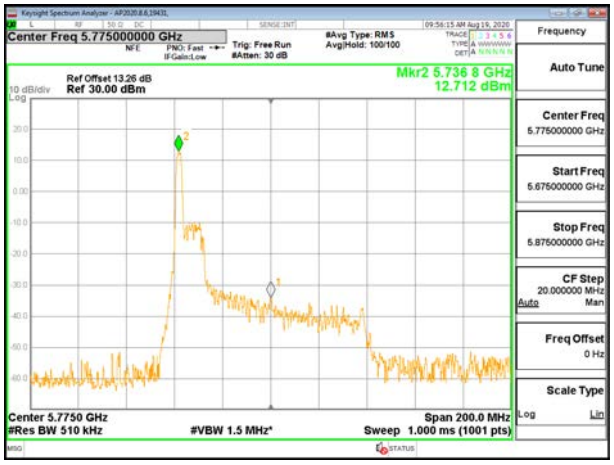
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5775	17.96	19.96	22.08	30.00	-7.92

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	12.712	12.635	15.684	30.00	-14.316



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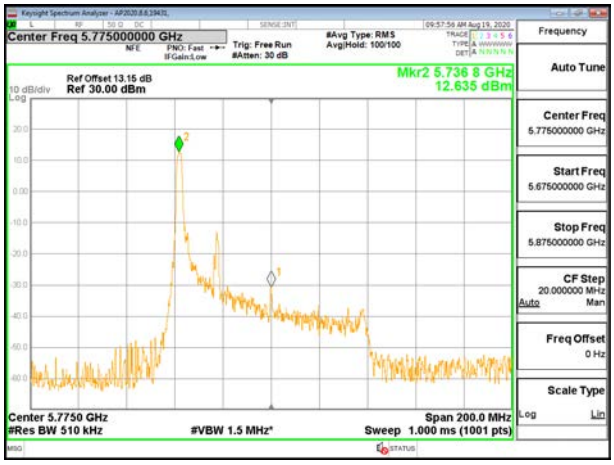

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC+IC) MOBILE – 26 Tones, RU Index 18

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.91	1.06	30.00	30.00

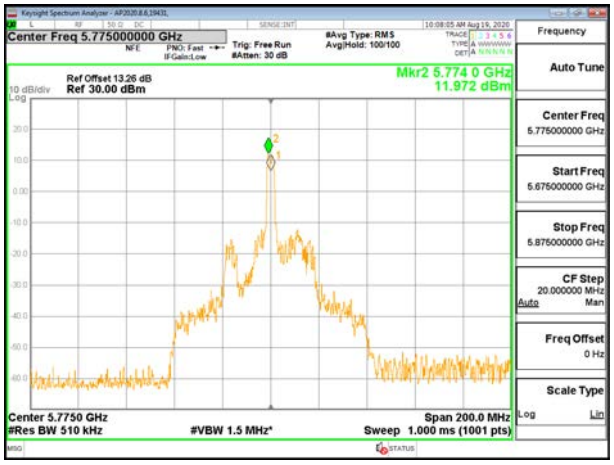
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5775	17.73	19.94	21.98	30.00	-8.02

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	11.972	11.919	14.956	30.00	-15.044



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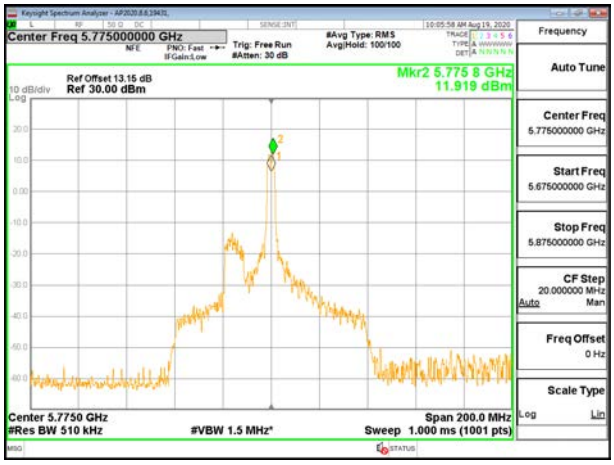

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC+IC) MOBILE – 26 Tones, RU Index 36

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.91	1.06	30.00	30.00

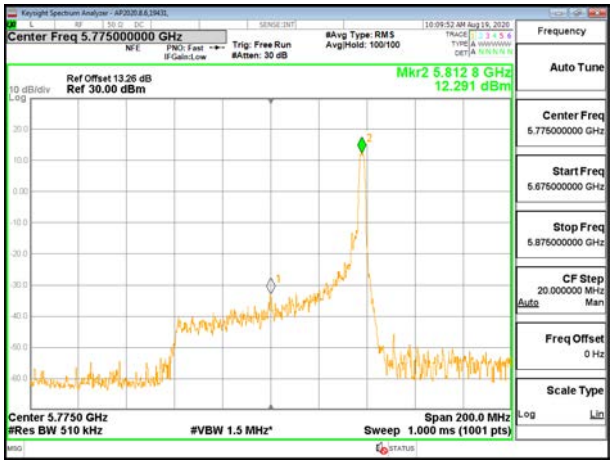
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

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	5775	17.81	19.92	22.00	30.00	-8.00

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	12.291	12.190	15.251	30.00	-14.749



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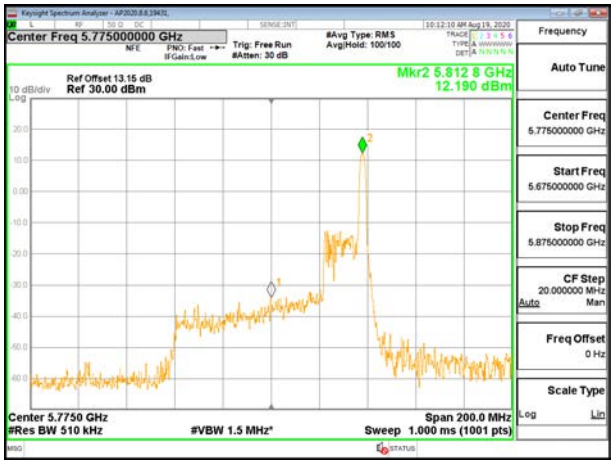

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2TX ANT 6 + ANT 5 OFDMA MODE (FCC+IC) MOBILE – 996 Tones, RU Index 67

Test Engineer:	19431
Test Date:	8/19/2020

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/500KHz)
Mid	5775	-1.91	1.06	30.00	30.00

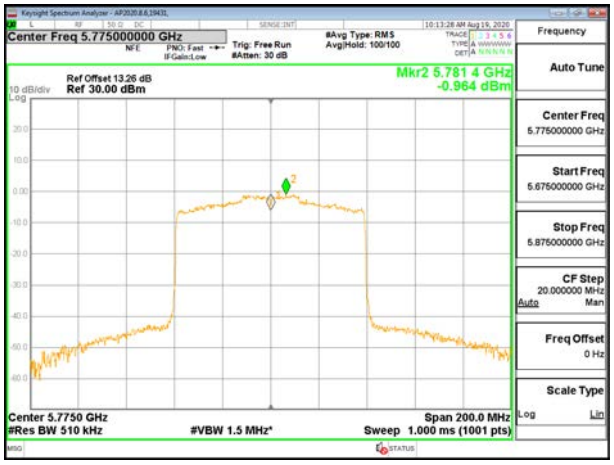
Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Output Power Results

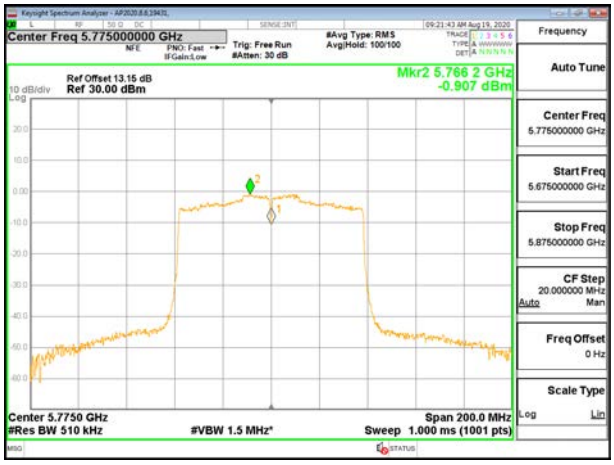
Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	17.91	19.97	22.07	30.00	-7.93

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 5 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	-0.964	-0.907	2.075	30.00	-27.925



MID CHANNEL [ANT 6]



MID CHANNEL [ANT 5]

END OF TEST REPORT

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