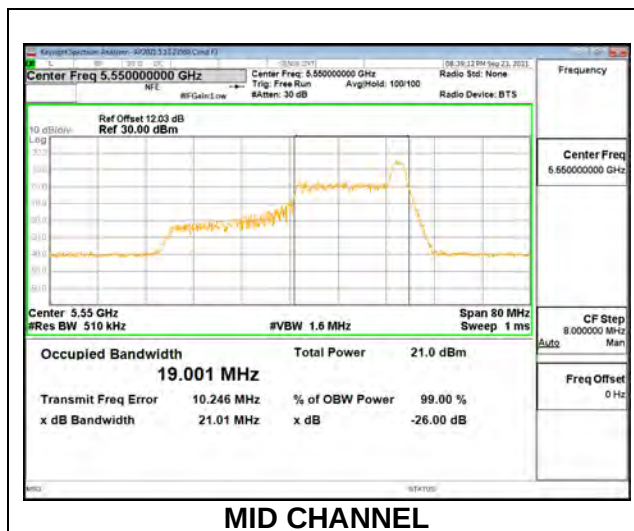
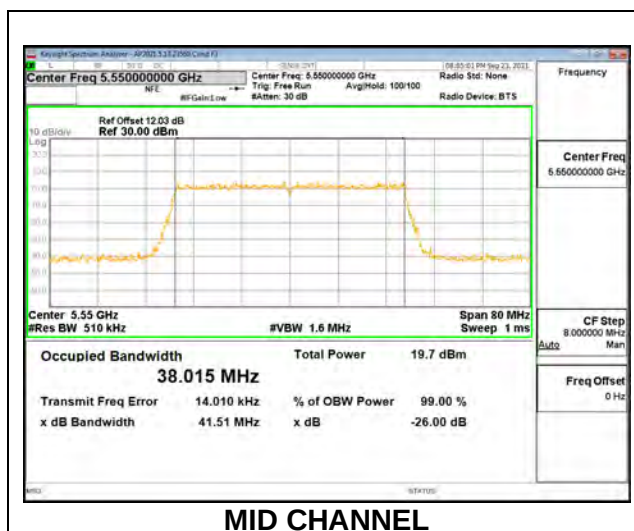


1TX Antenna 3 MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5510	21.23	18.986
Mid	5550	21.01	19.001
High	5670	21.25	19.326
142	5710	21.26	19.029

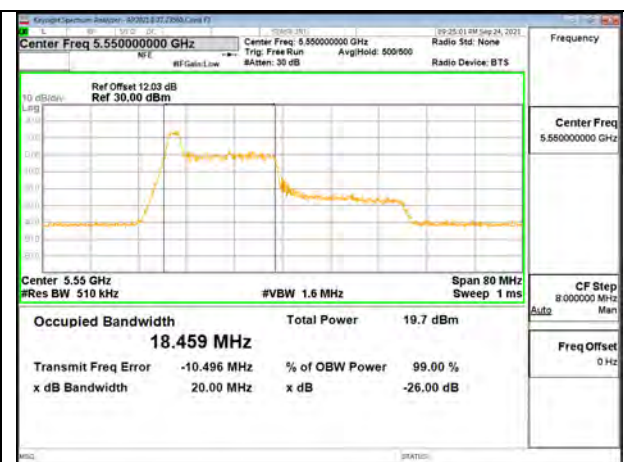
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5510	45.48	38.056
Mid	5550	41.51	38.015
High	5670	43.17	38.100
142	5710	41.25	37.936

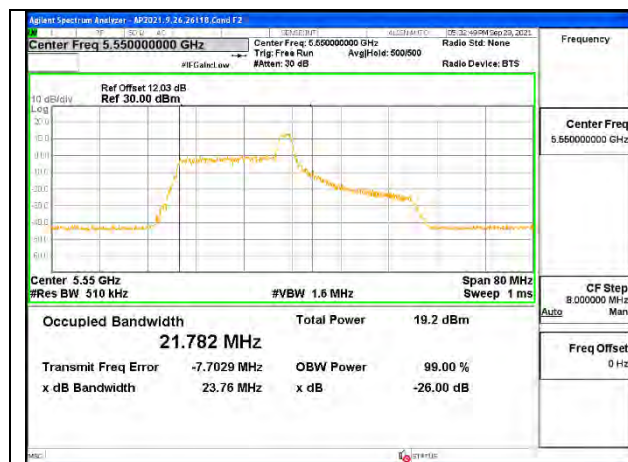
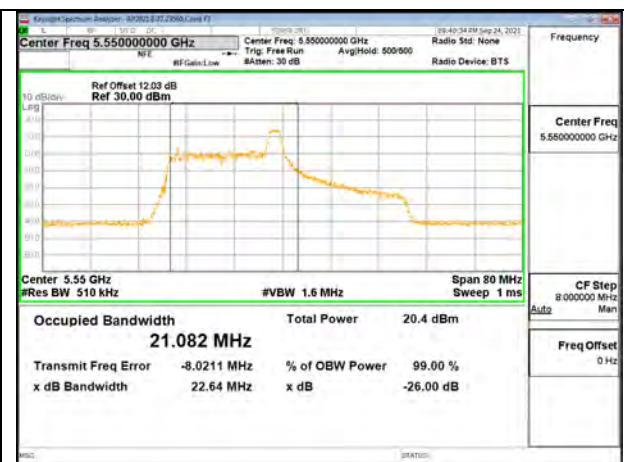


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5510	21.37	19.68	18.813	18.218
Mid	5550	20.83	20.00	18.600	18.459
High	5670	21.15	20.31	18.731	18.352
144	5710	20.58	20.09	18.645	18.229

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 8**

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5510	23.25	23.23	21.737	21.203
Mid	5550	23.76	22.64	21.782	21.082
High	5670	23.19	23.02	21.623	21.144
144	5710	23.22	23.77	21.960	21.456

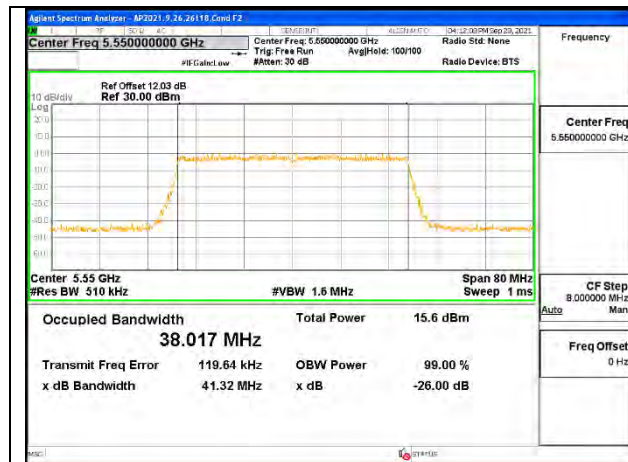
**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5510	21.03	19.78	18.878	18.353
Mid	5550	20.99	20.02	18.829	18.474
High	5670	20.32	19.89	18.740	18.324
144	5710	20.48	19.85	18.917	18.388

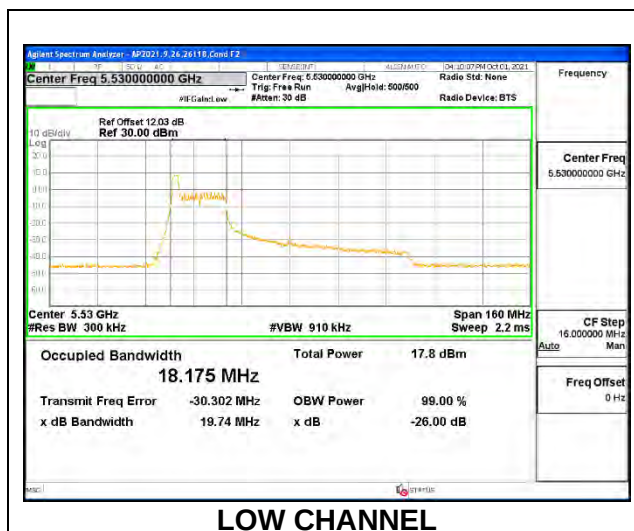
**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

Channel	Frequency (MHz)	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5510	43.85	41.75	38.065	38.053
Mid	5550	41.32	40.94	38.017	37.903
High	5670	42.42	45.60	38.109	38.057
144	5710	40.81	40.72	37.909	37.932

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

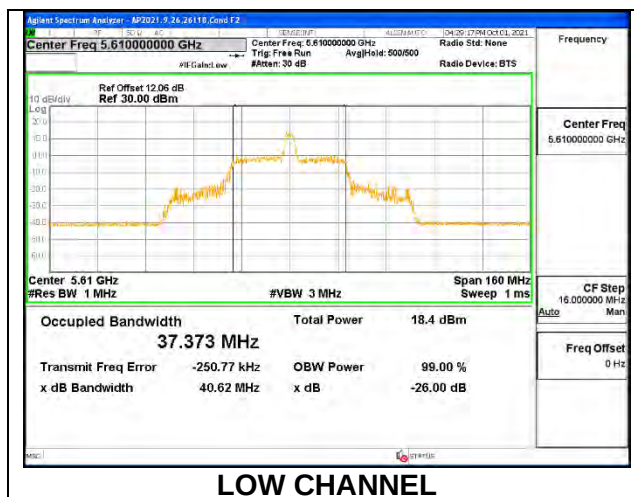
9.2.18. 802.11ax HE80 MODE IN THE 5.6 GHz BAND
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	19.74	18.175
High	5610	19.52	18.060
138	5690	19.68	18.156



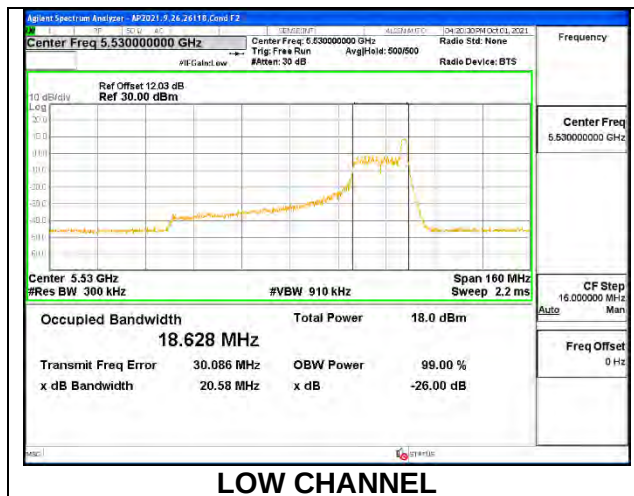
1TX Antenna 6 MODE: 26 Tones, RU Index 18

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	40.64	37.207
High	5610	40.62	37.373
138	5690	39.59	37.390

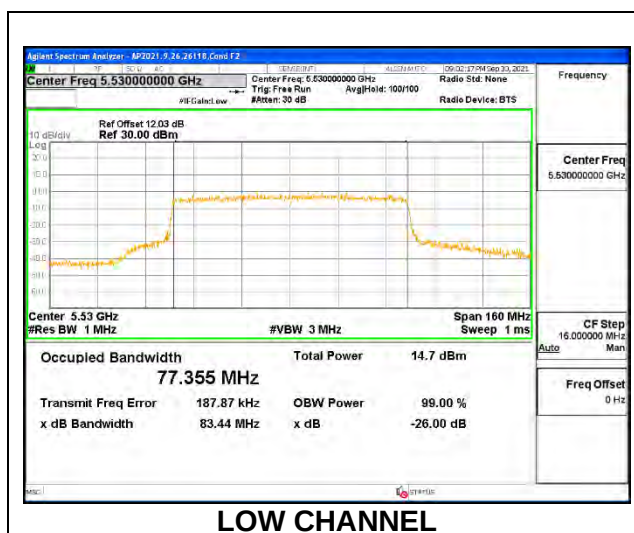


1TX Antenna 6 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	20.58	18.628
High	5610	20.70	18.728
138	5690	20.59	18.927

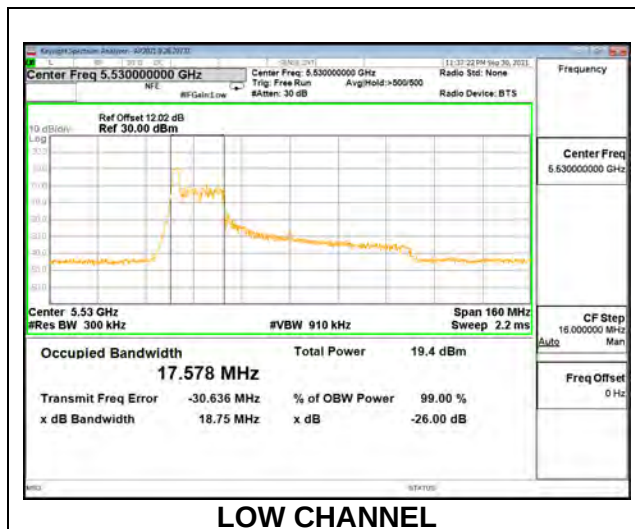
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	83.44	77.355
High	5610	83.05	77.257
138	5690	81.58	77.347

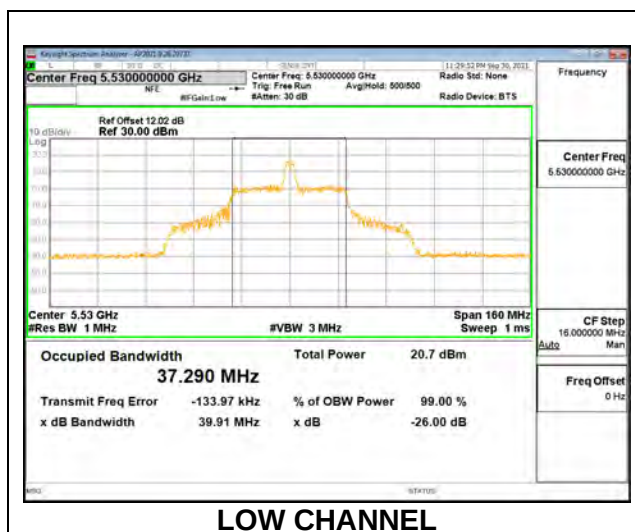


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	18.75	17.578
High	5610	19.59	18.102
138	5690	19.66	18.177

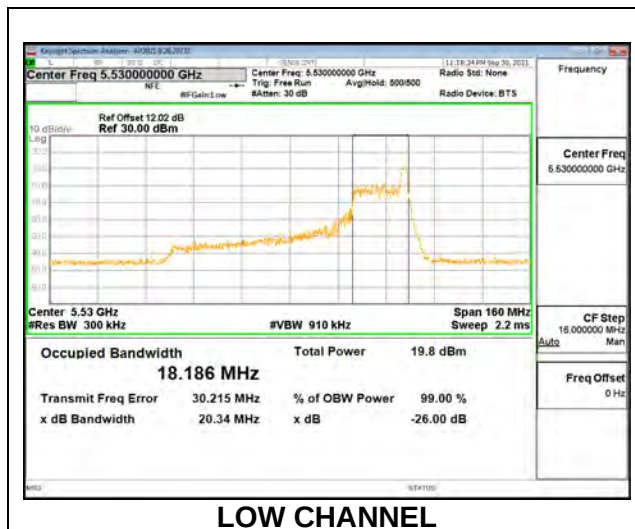
**1TX Antenna 3 MODE: 26 Tones, RU Index 18**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	39.91	37.290
High	5610	40.54	37.466
138	5690	40.16	37.162

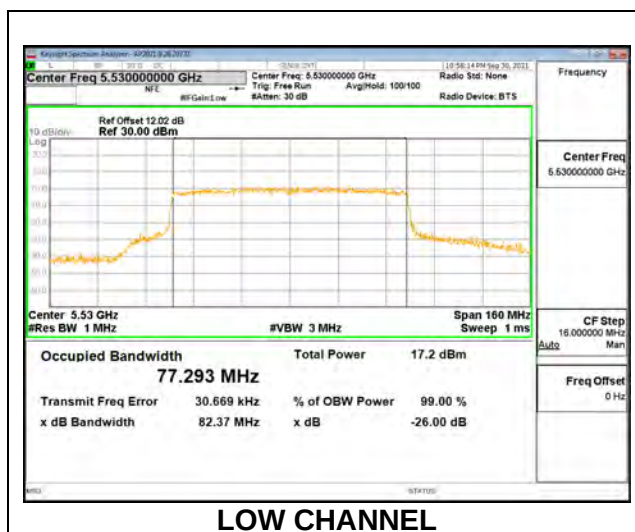


1TX Antenna 3 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	20.34	18.186
High	5610	20.11	18.477
138	5690	20.13	17.364

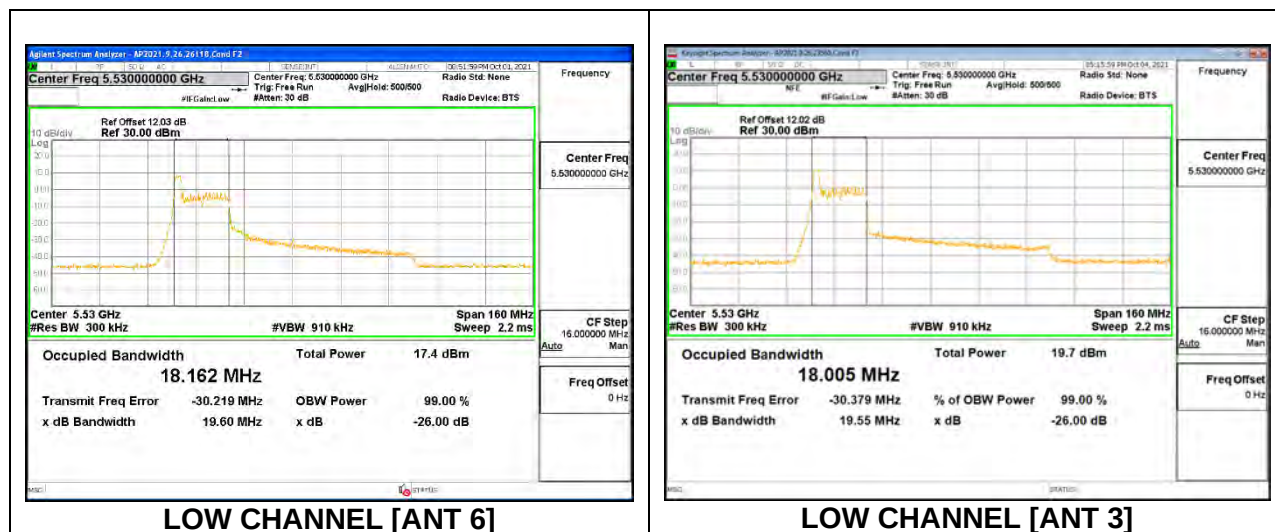
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	5530	82.37	77.293
High	5610	86.92	77.426
138	5690	81.92	77.282

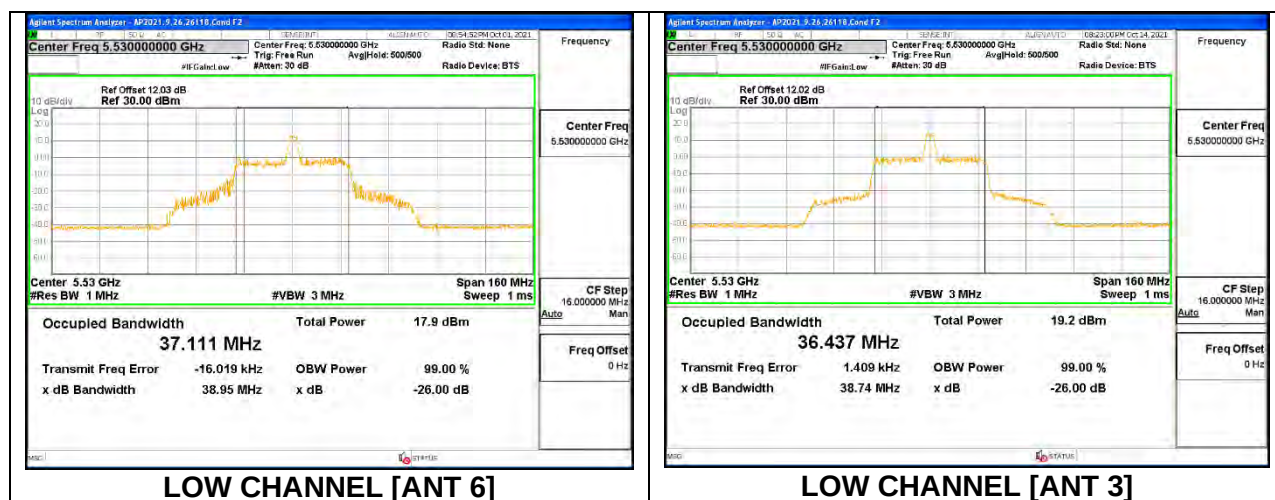


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5530	19.60	19.55	18.162	18.005
High	5610	19.77	19.35	18.144	17.967
138	5690	19.81	19.36	18.134	17.991

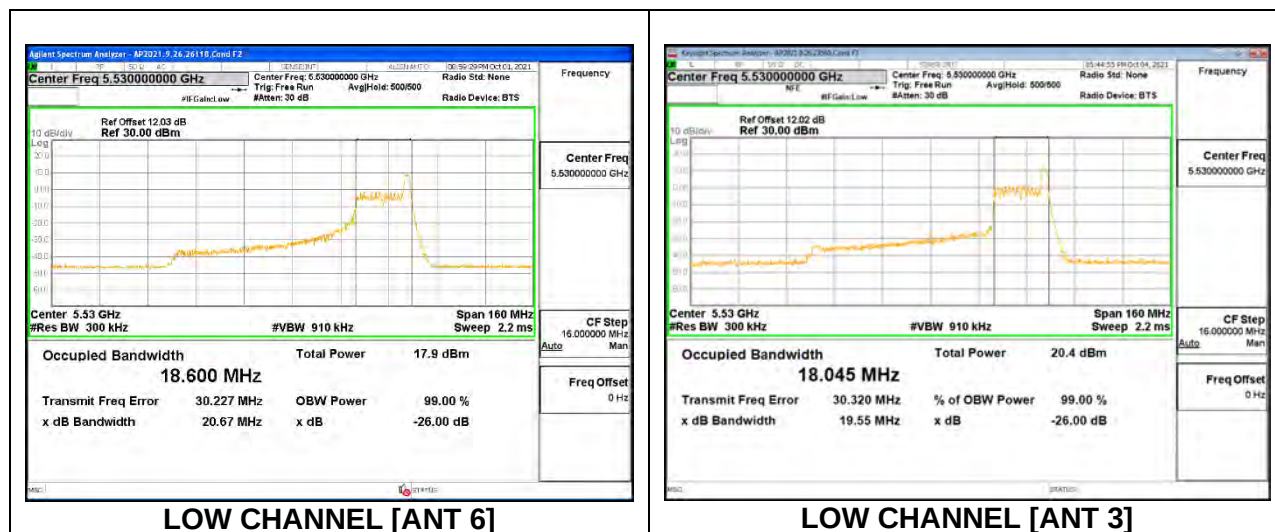
**2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 18**

Channel	Frequency	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5530	38.95	38.74	37.111	36.437
High	5610	39.63	38.70	37.161	36.378
138	5690	40.03	38.77	37.461	36.485

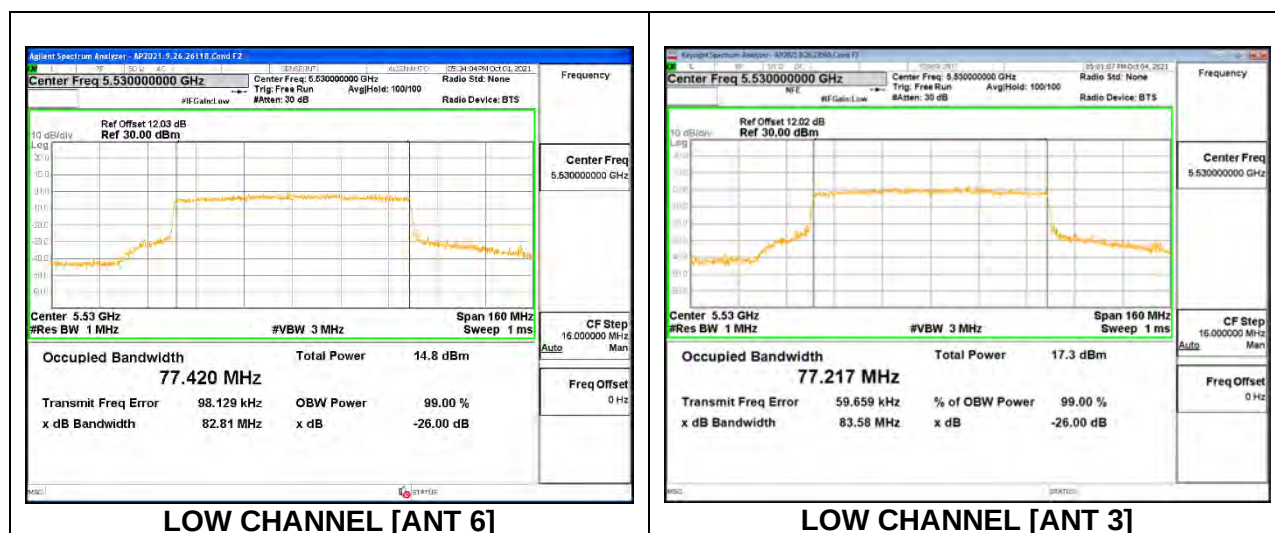


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 36

Channel	Frequency	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5530	20.67	19.55	18.600	18.045
High	5610	21.00	19.33	18.921	18.041
138	5690	20.13	19.61	18.655	17.966

**2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

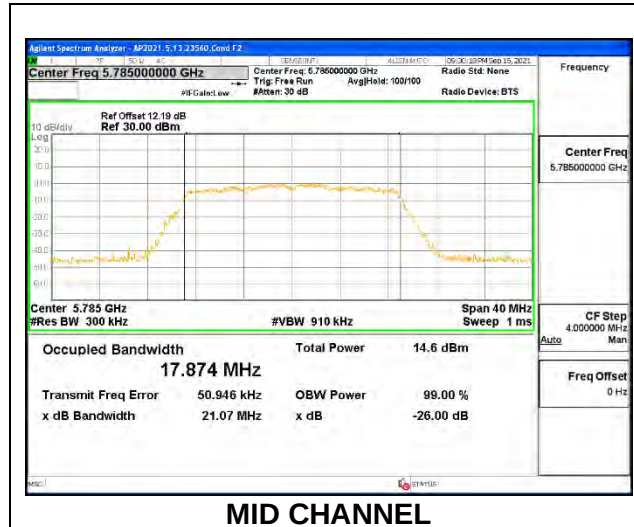
Channel	Frequency	26dB Bandwidth Antenna 6 (MHz)	26dB Bandwidth Antenna 3 (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5530	82.81	83.58	77.420	77.217
High	5610	84.98	81.36	77.204	77.260
138	5690	81.14	81.17	77.217	77.313



9.2.19. 802.11n HT20 MODE IN THE 5.8 GHz BAND

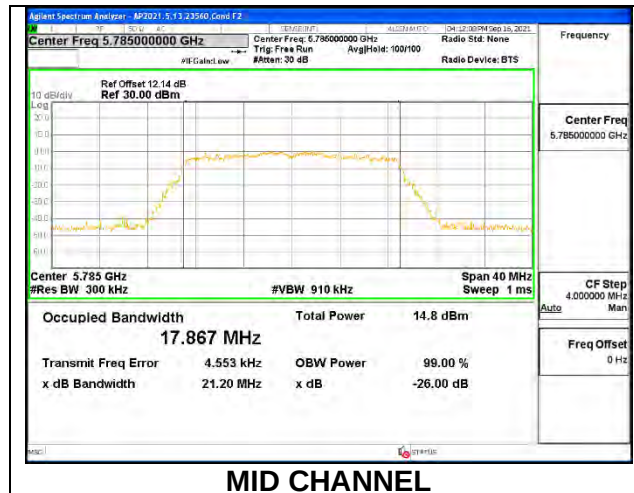
1TX Antenna 6 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.800
Mid	5785	17.874
High	5825	17.785



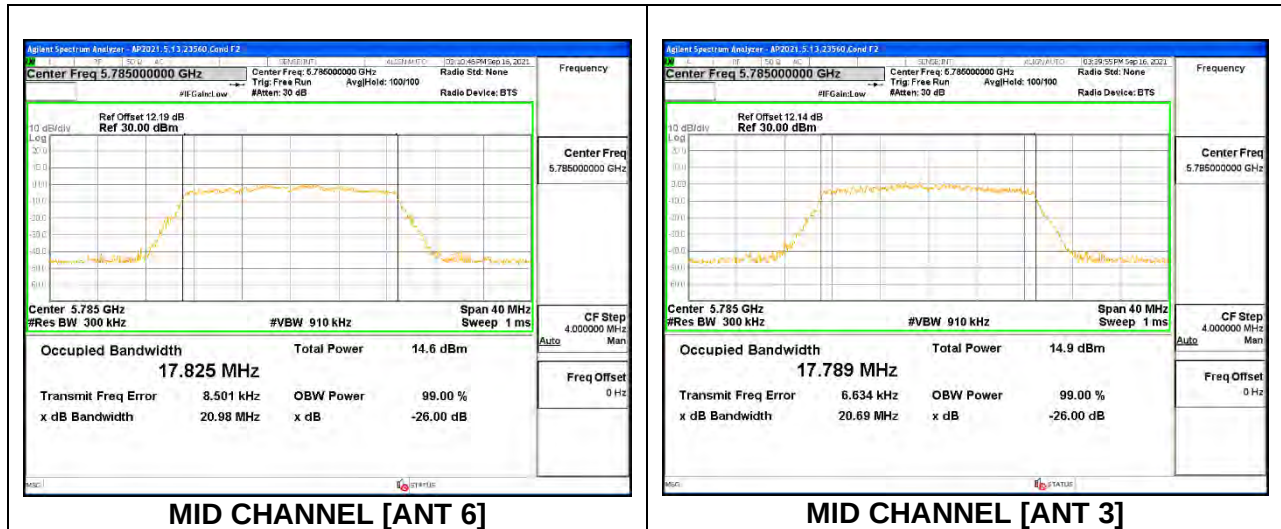
1TX Antenna 3 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.843
Mid	5785	17.867
High	5825	17.841



2TX Antenna 6 + Antenna 3 CDD MODE

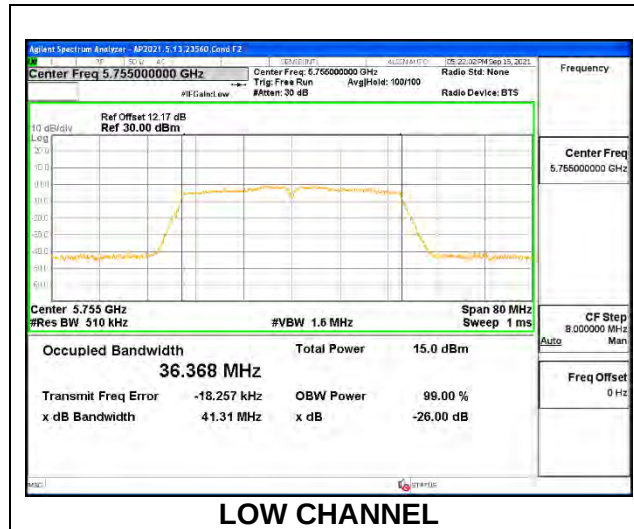
Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5745	17.896	17.745
Mid	5785	17.825	17.789
High	5825	17.784	17.791



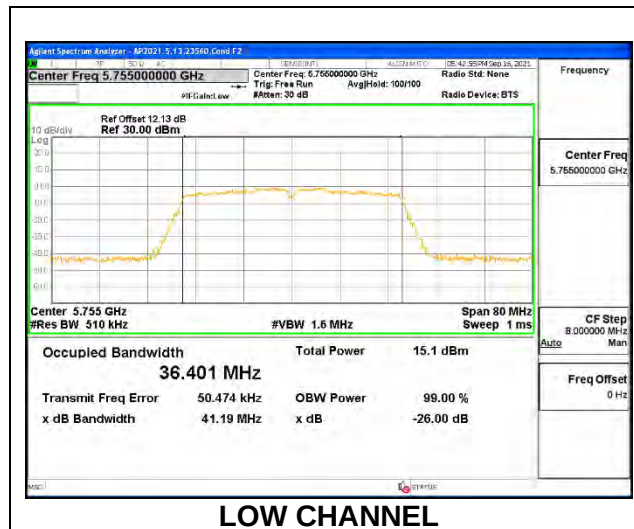
9.2.20. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.368
High	5795	36.359

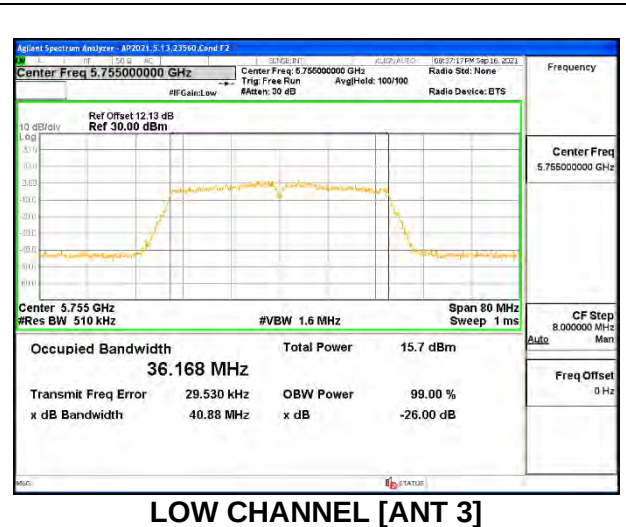
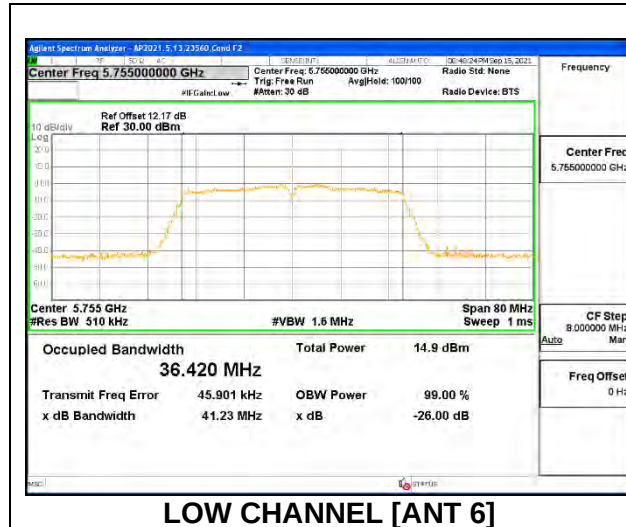
1TX Antenna 3 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.401
High	5795	36.324



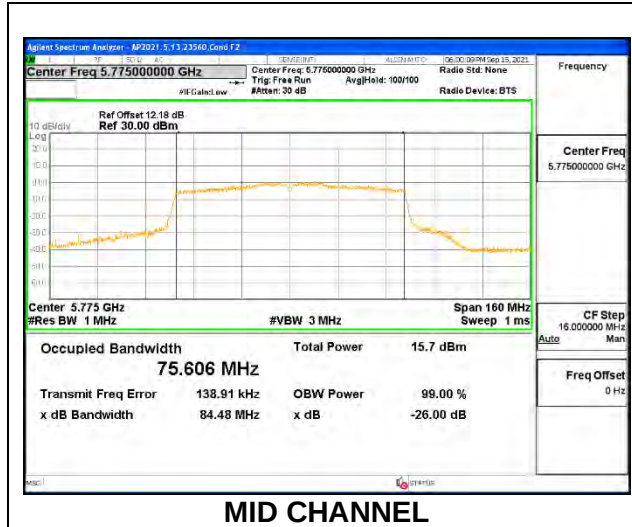
2TX Antenna 6 + Antenna 3 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5755	36.420	36.168
High	5795	36.419	36.171



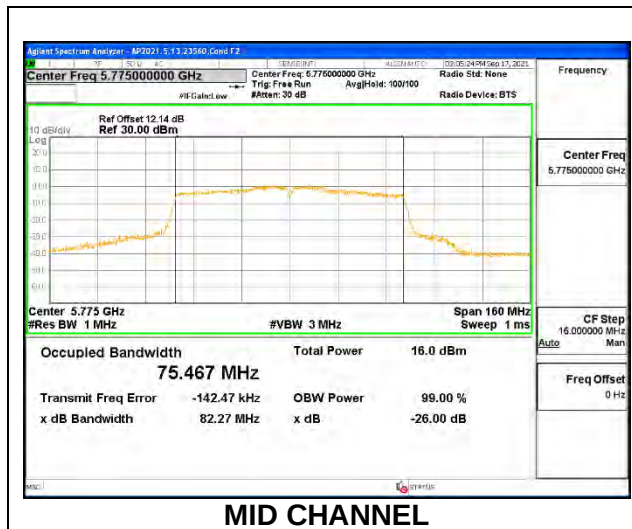
9.2.21. **802.11ac VHT80 MODE IN THE 5.8 GHz BAND**
1TX Antenna 6 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.606



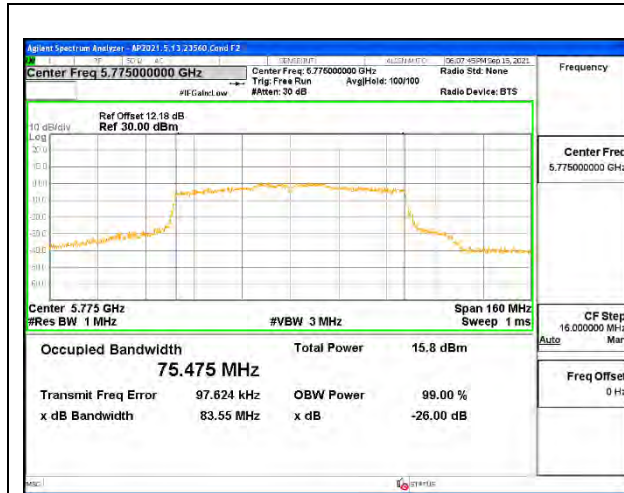
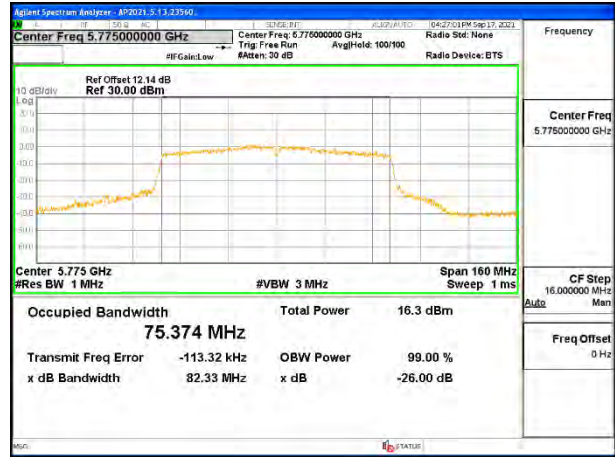
1TX Antenna 3 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	75.467



2TX Antenna 6 + Antenna 3 CDD MODE

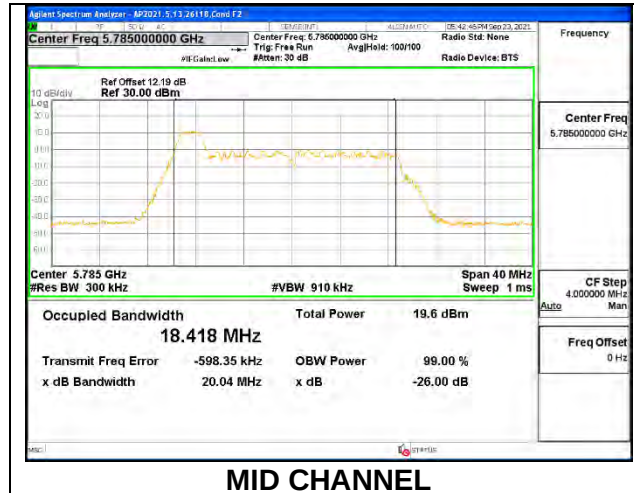
Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Mid	5775	75.475	75.374

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

9.2.22. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

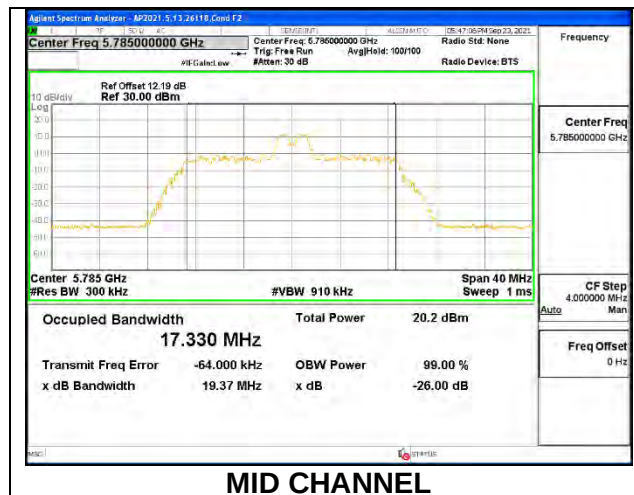
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	18.439
Mid	5785	18.418
High	5825	18.426



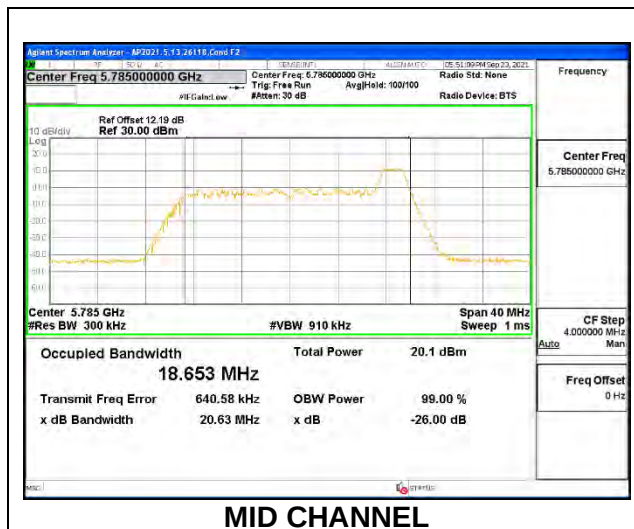
1TX Antenna 6 MODE: 26 Tones, RU Index 4

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.304
Mid	5785	17.330
High	5825	17.317

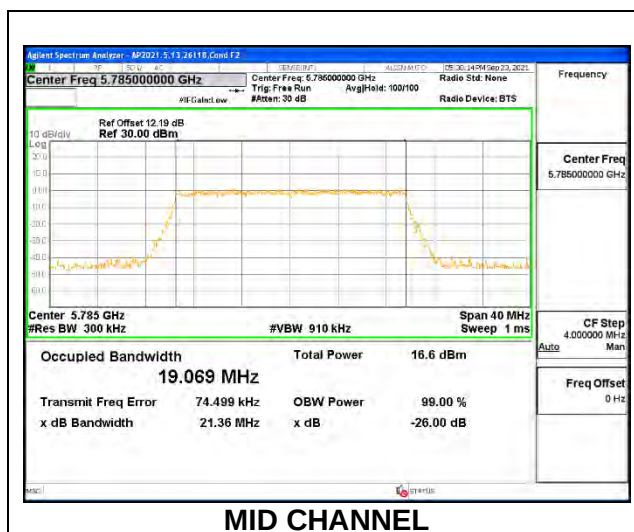


1TX Antenna 6 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	18.686
Mid	5785	18.653
High	5825	18.713

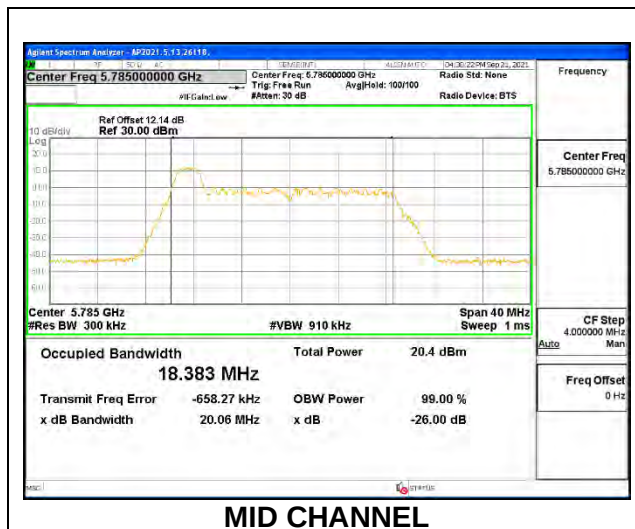
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	19.095
Mid	5785	19.069
High	5825	19.029

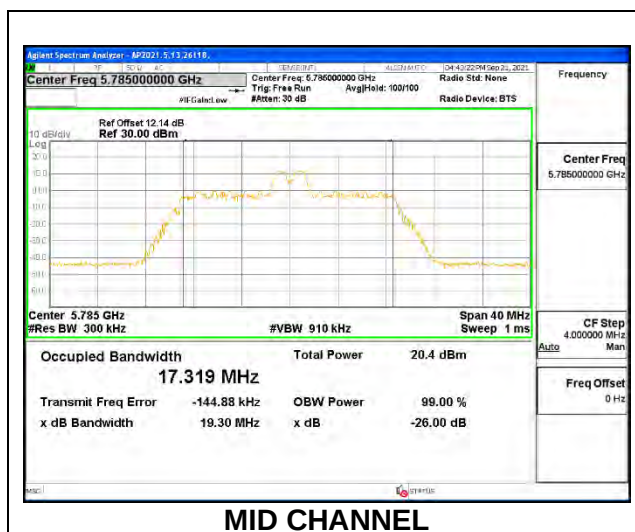


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	18.457
Mid	5785	18.383
High	5825	18.387

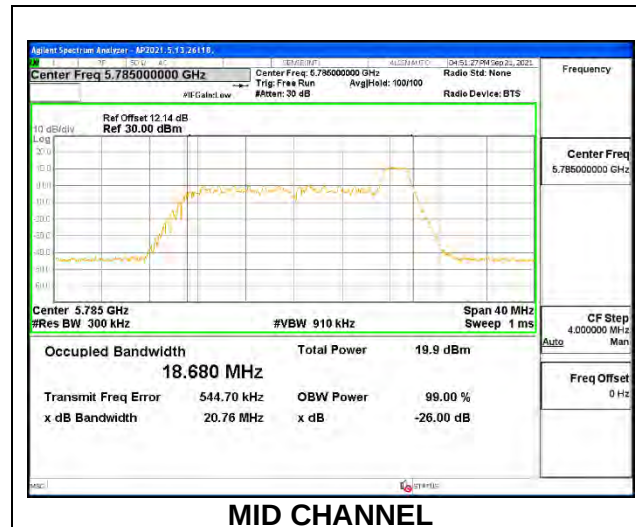
**1TX Antenna 3 MODE: 26 Tones, RU Index 4**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	17.379
Mid	5785	17.319
High	5825	17.041

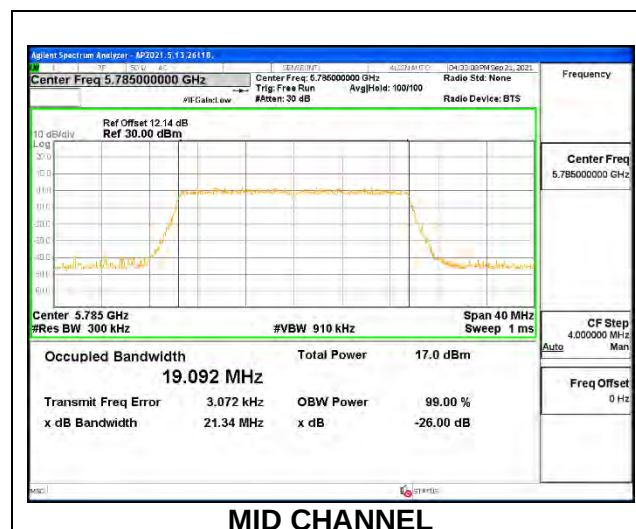


1TX Antenna 3 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	18.772
Mid	5785	18.680
High	5825	18.726

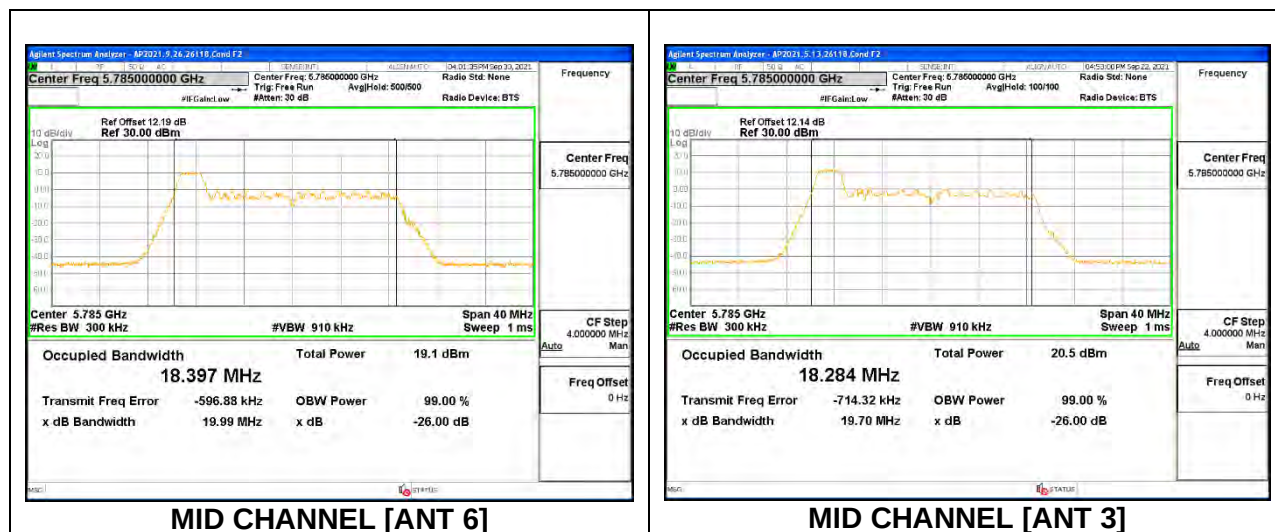
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5745	19.119
Mid	5785	19.092
High	5825	19.108

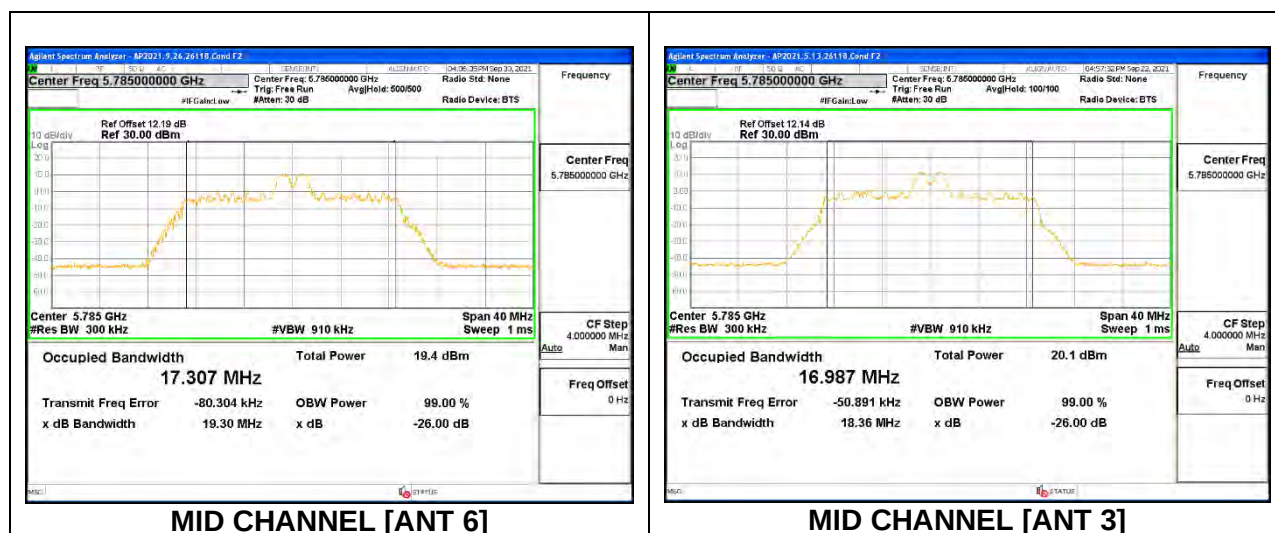


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5745	18.453	18.299
Mid	5785	18.397	18.284
High	5825	18.416	18.312

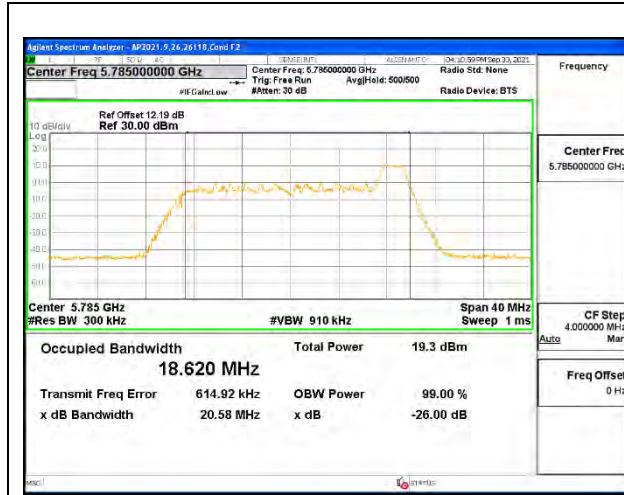
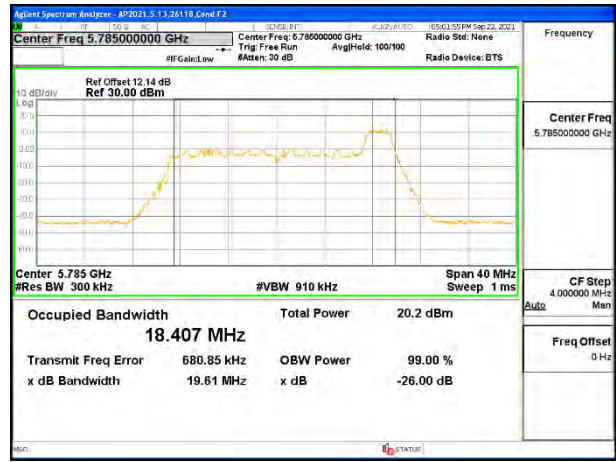
**2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 4**

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5745	17.316	16.896
Mid	5785	17.307	16.987
High	5825	17.300	16.931

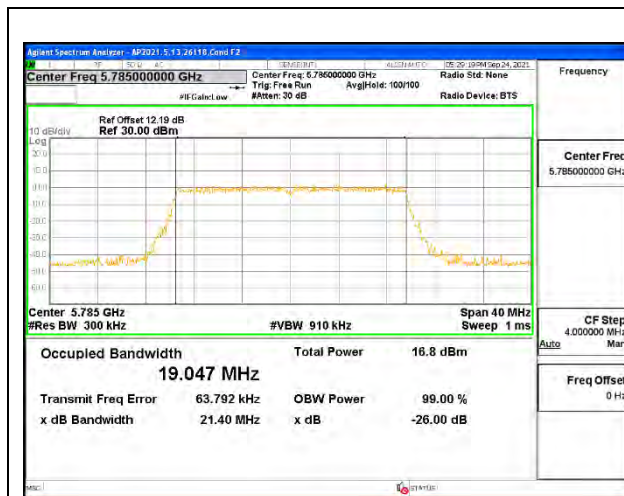


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5745	18.678	18.429
Mid	5785	18.620	18.407
High	5825	18.689	18.316

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

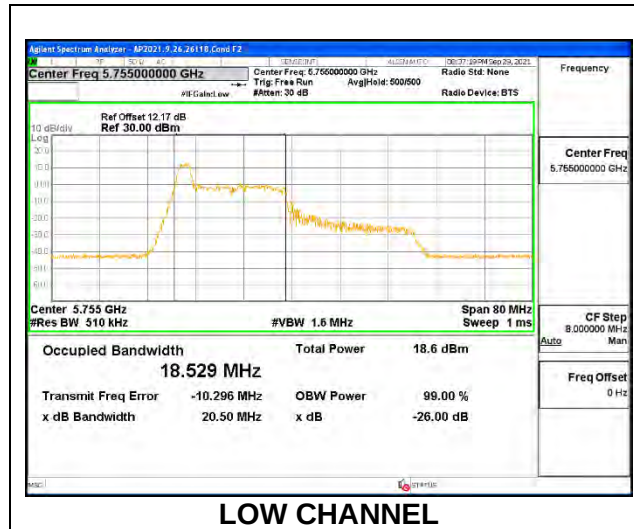
Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5745	19.095	19.093
Mid	5785	19.047	19.066
High	5825	19.107	19.065

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

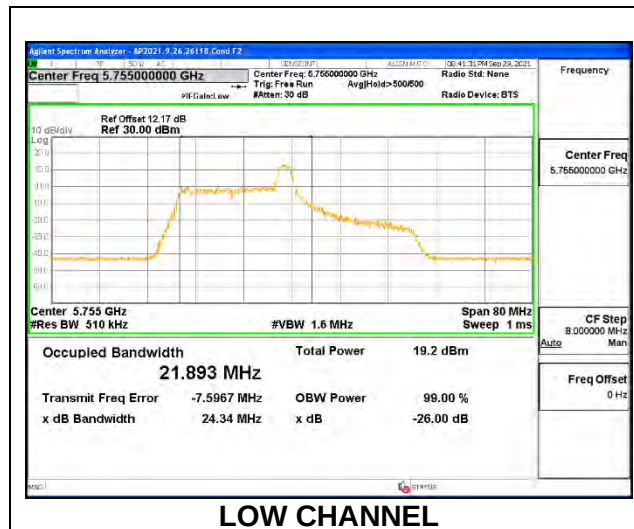
9.2.23. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	18.529
High	5795	18.753

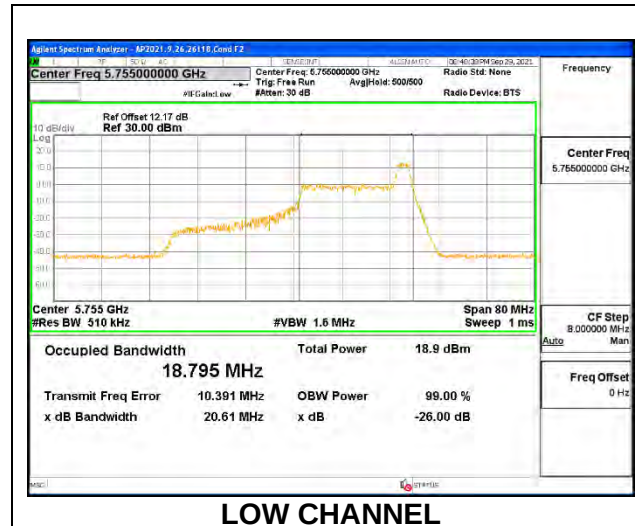
1TX Antenna 6 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	21.893
High	5795	22.086

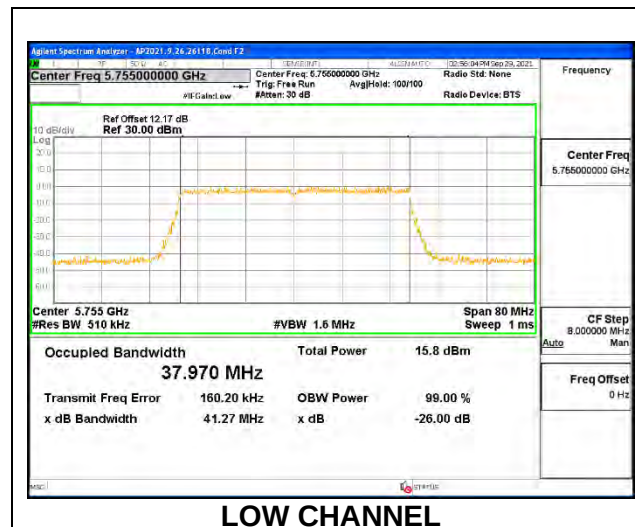


1TX Antenna 6 MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	18.795
High	5795	18.833

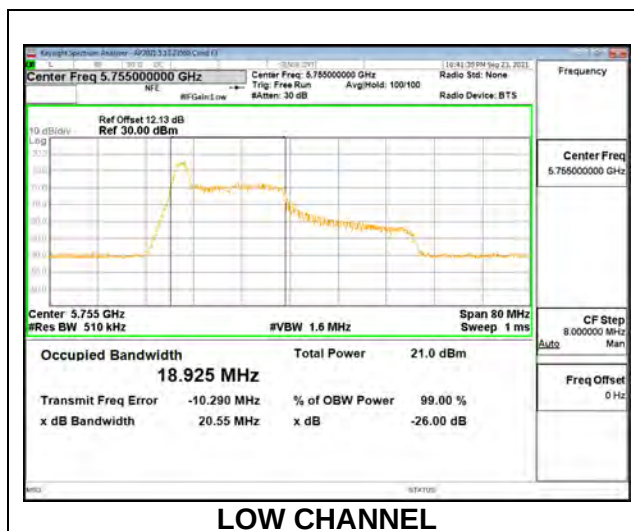
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	37.970
High	5795	37.986

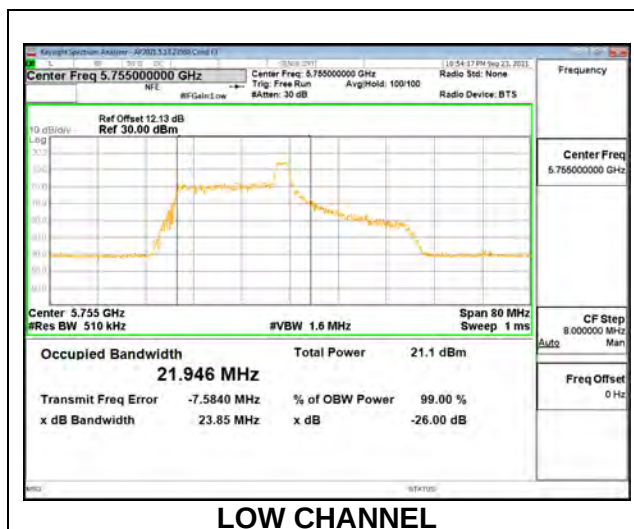


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	18.925
High	5795	18.870

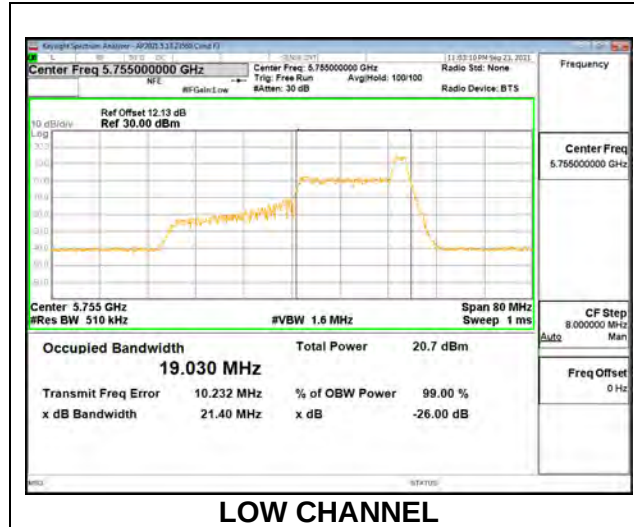
**1TX Antenna 3 MODE: 26 Tones, RU Index 8**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	21.946
High	5795	21.779

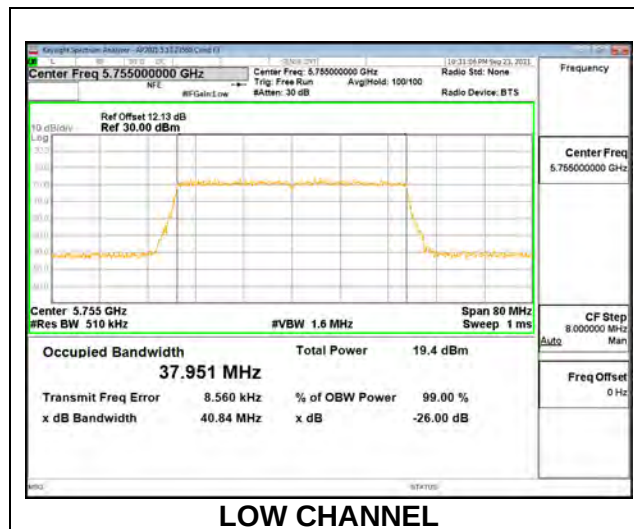


1TX Antenna 3 MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	19.030
High	5795	19.074

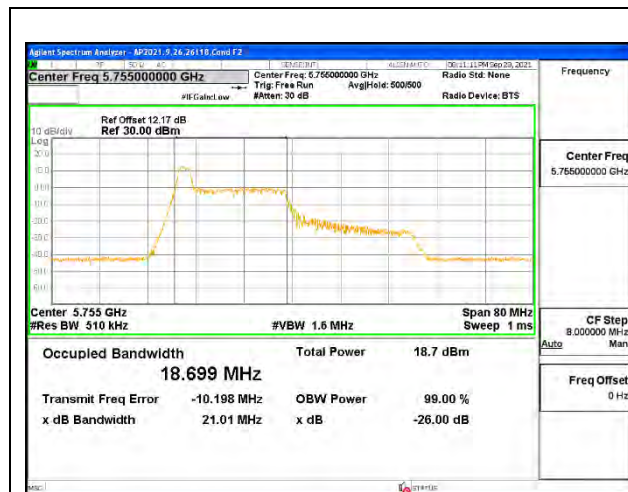
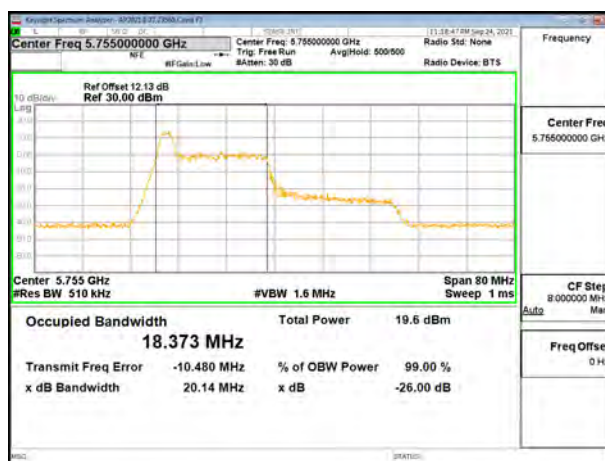
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	37.951
High	5795	37.990

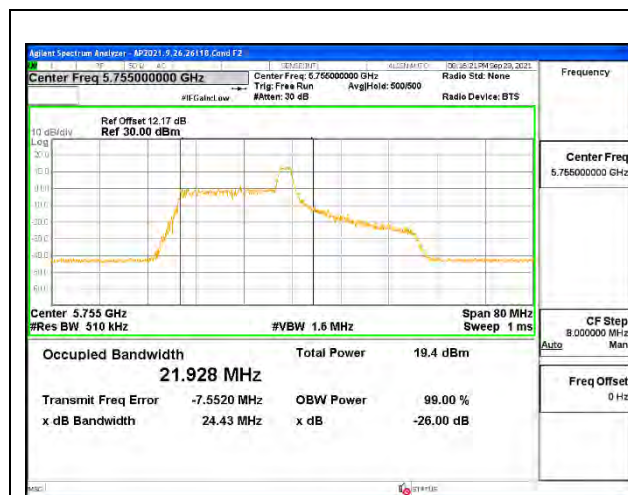
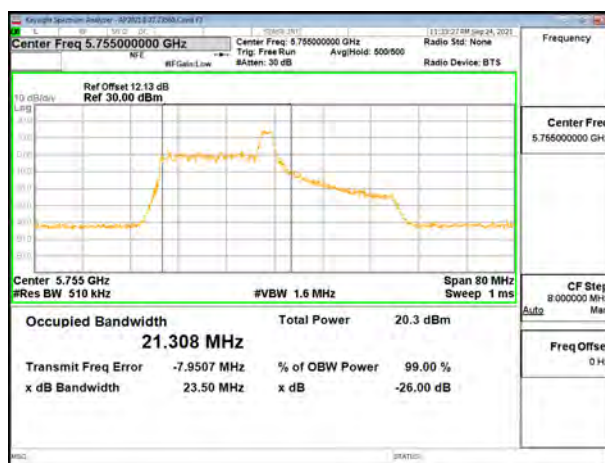


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5755	18.699	18.373
High	5795	18.861	18.234

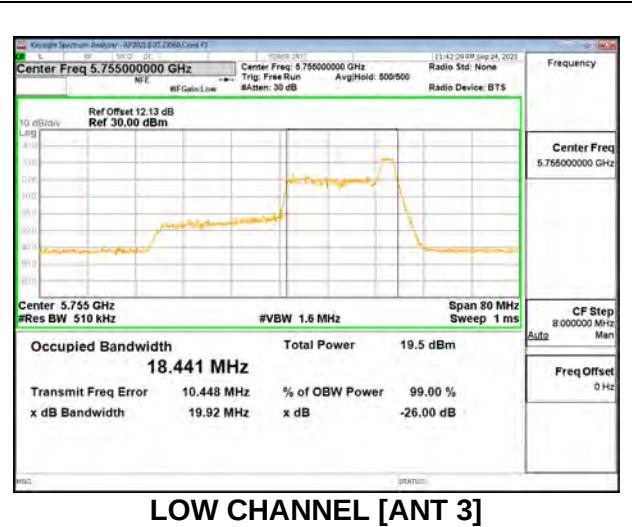
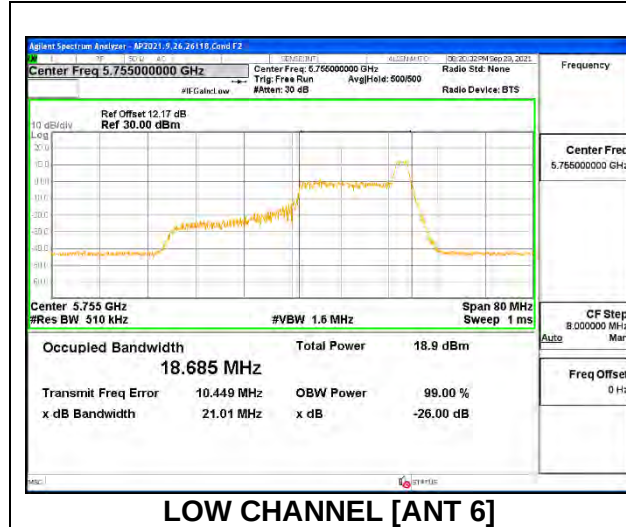
**LOW CHANNEL [ANT 6]****LOW CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 8**

Channel	Frequency	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5755	21.928	21.308
High	5795	22.009	21.247

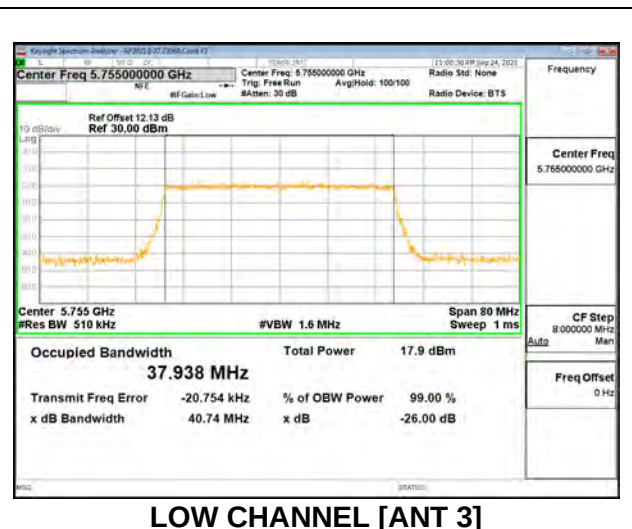
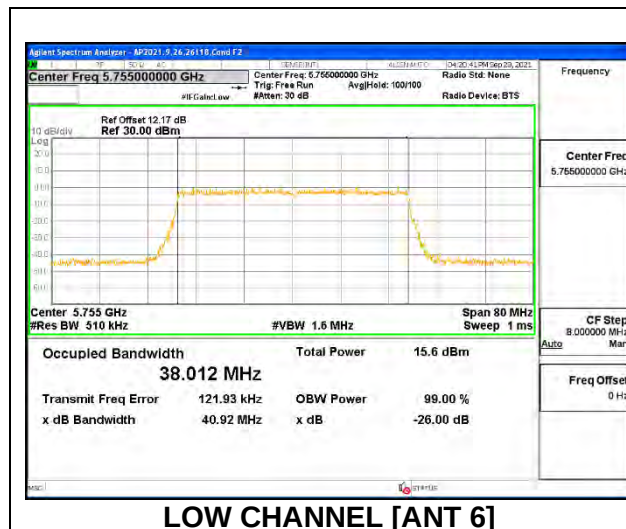
**LOW CHANNEL [ANT 6]****LOW CHANNEL [ANT 3]**

2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 17

Channel	Frequency	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5755	18.685	18.441
High	5795	18.790	18.383

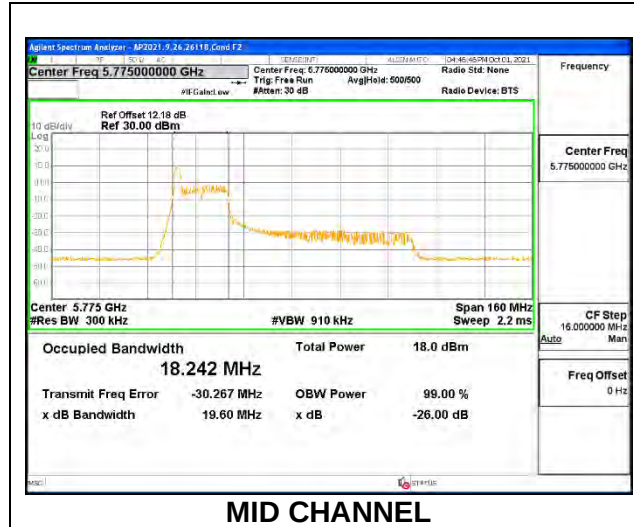
**2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

Channel	Frequency	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Low	5755	38.012	37.938
High	5795	37.961	37.917



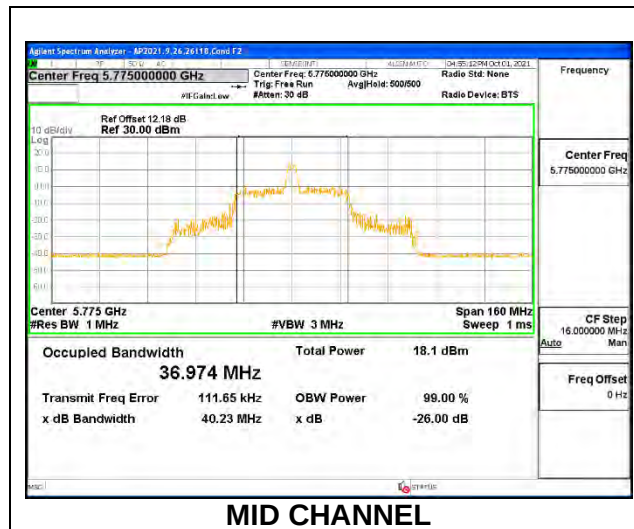
9.2.24. 802.11ax HE80 MODE IN THE 5.8 GHz BAND
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	18.242



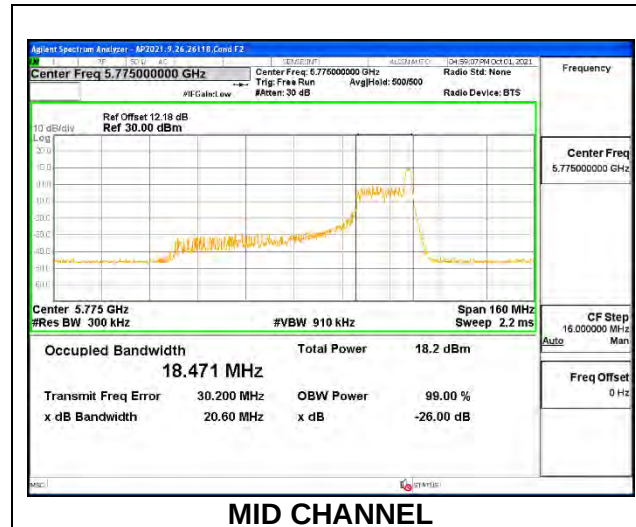
1TX Antenna 6 MODE: 26 Tones, RU Index 18

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	36.974

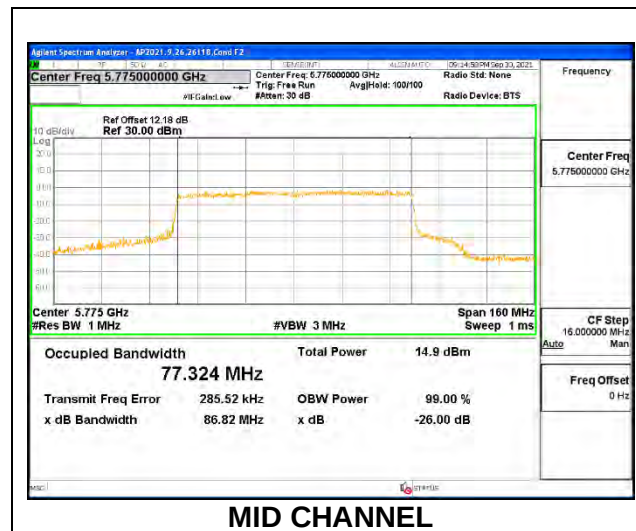


1TX Antenna 6 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	18.471

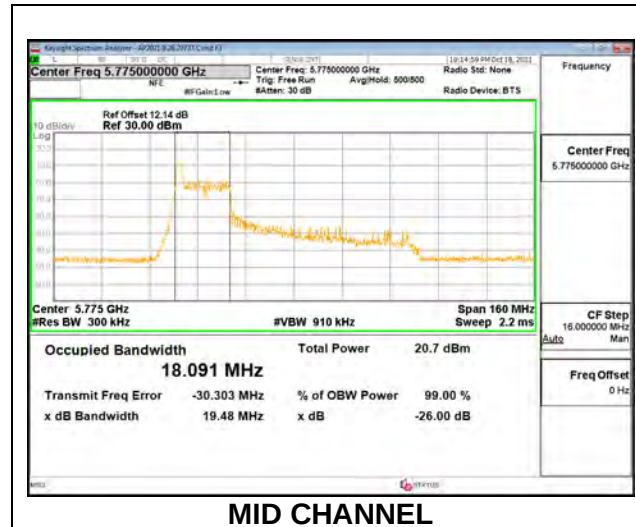
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	77.324

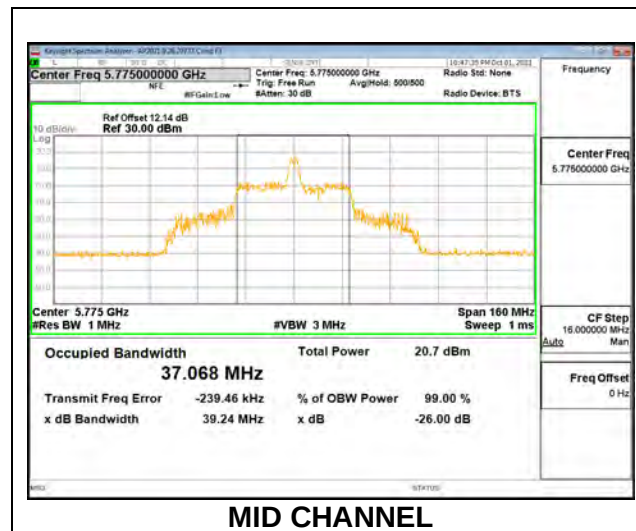


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	18.091

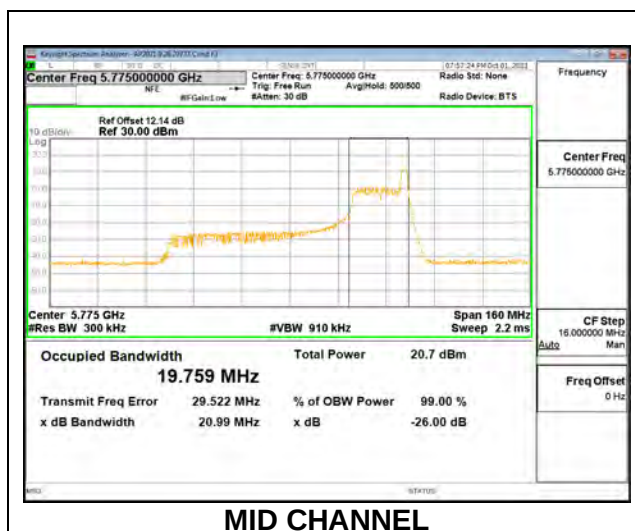
**1TX Antenna 3 MODE: 26 Tones, RU Index 18**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	37.068

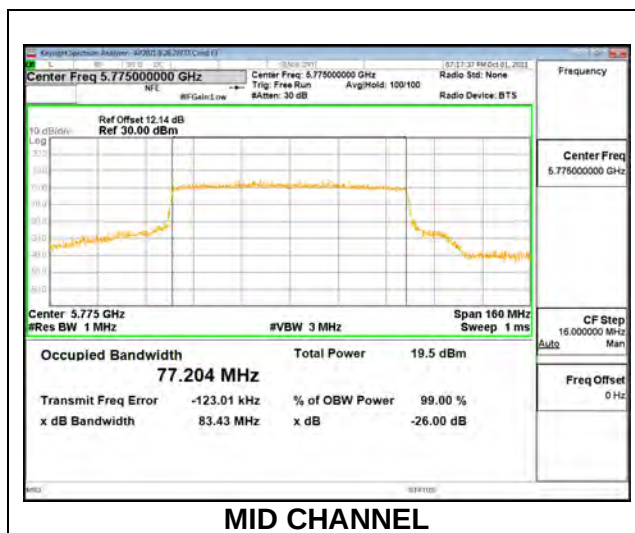


1TX Antenna 3 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	19.759

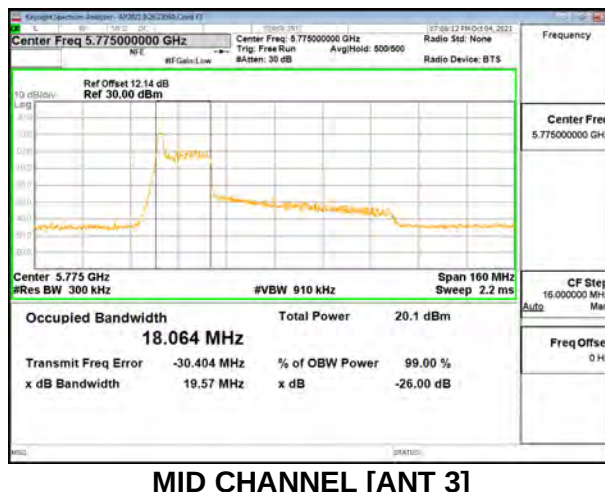
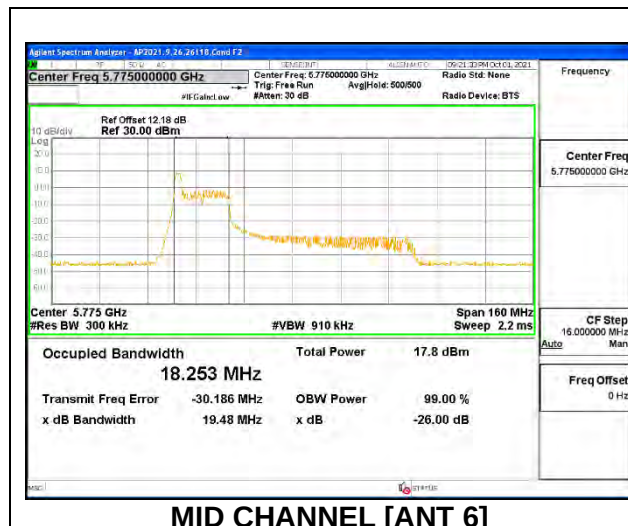
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5775	77.204

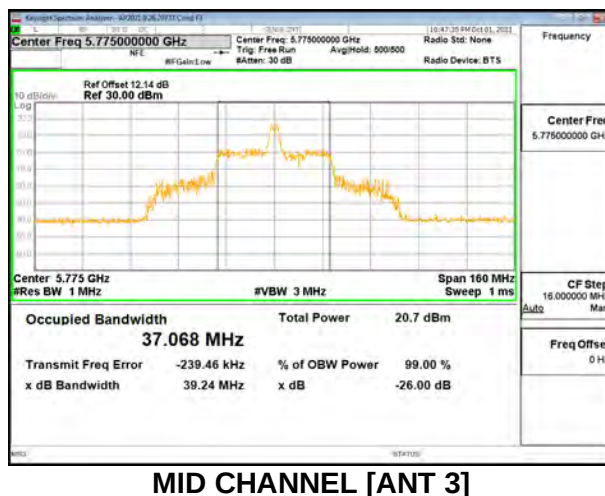
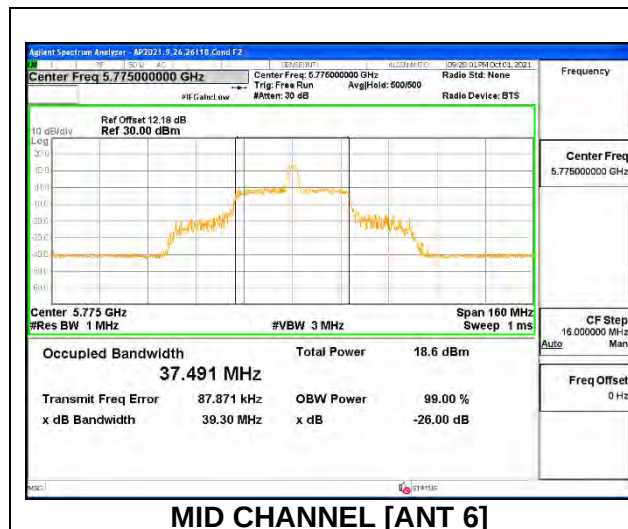


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Mid	5775	18.253	18.064

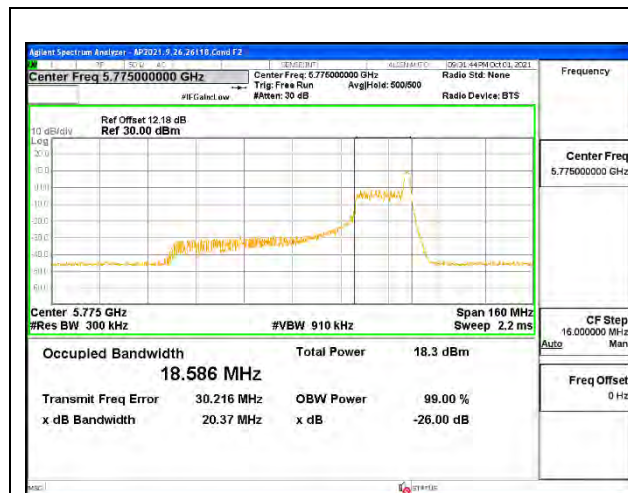
**2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 18**

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Mid	5775	37.491	37.068

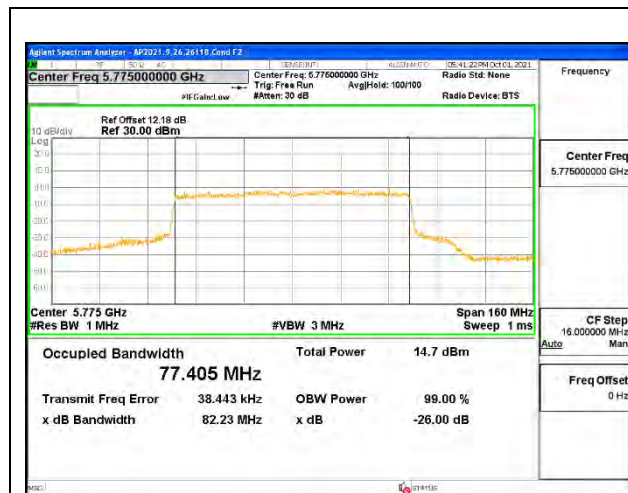


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Mid	5775	18.586	18.080

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

Channel	Frequency (MHz)	99% Bandwidth Antenna 6 (MHz)	99% Bandwidth Antenna 3 (MHz)
Mid	5775	77.405	77.508

**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

9.3. 6 dB BANDWIDTH

LIMITS

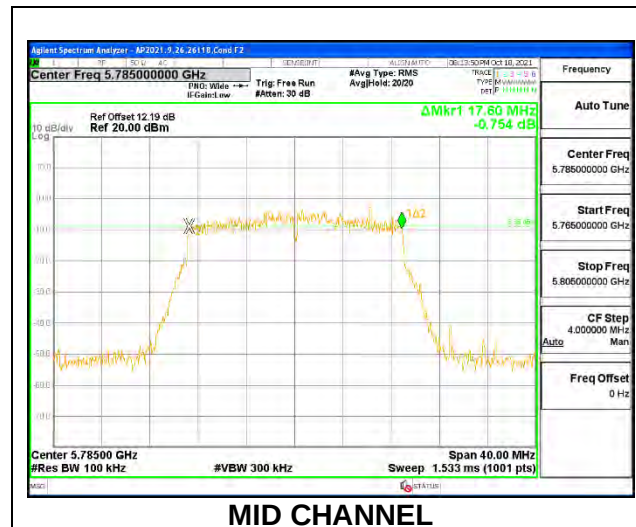
FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

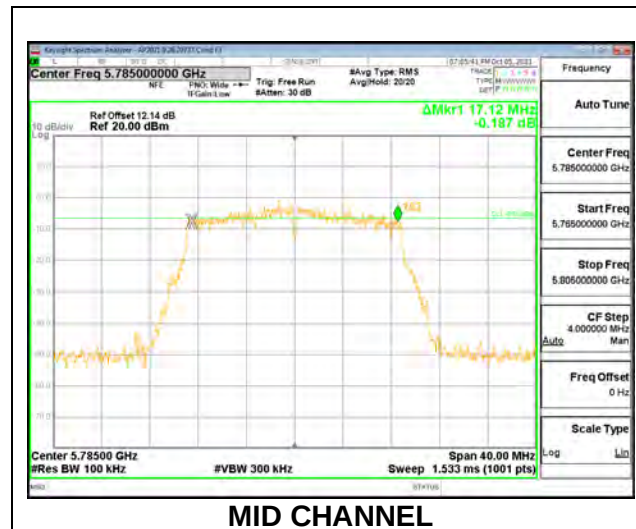
1TX Antenna 6 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.64	0.5
Mid	5785	17.60	0.5
High	5825	17.24	0.5
144	5720	3.88	0.5



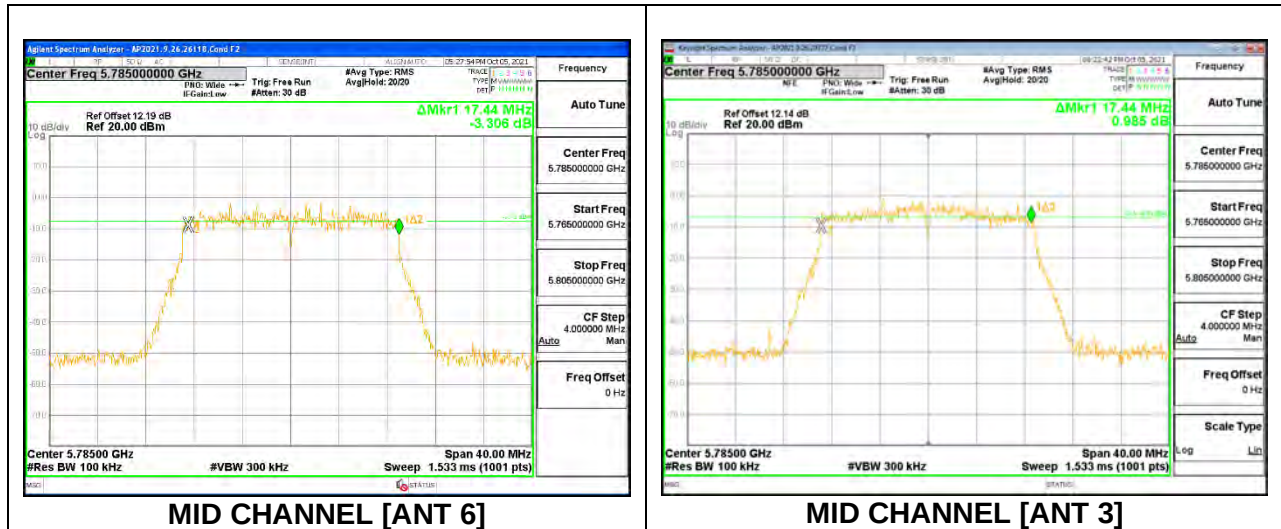
1TX Antenna 3 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	17.32	0.5
Mid	5785	17.12	0.5
High	5825	17.72	0.5
144	5720	3.92	0.5



2TX Antenna 6 + Antenna 3 CDD MODE

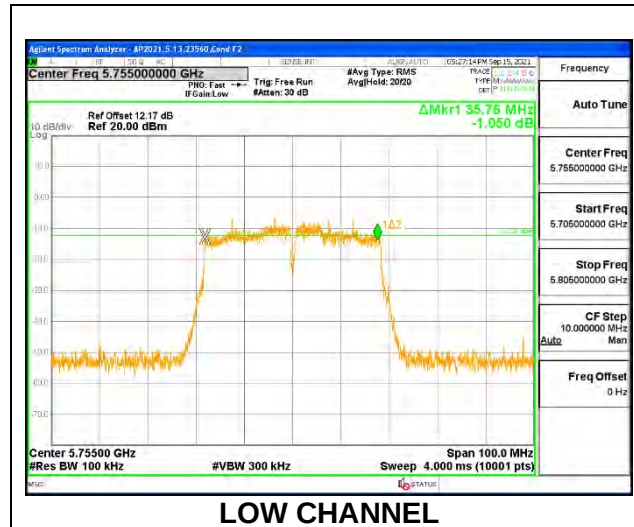
Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5745	17.68	17.60	0.5
Mid	5785	17.44	17.44	0.5
High	5825	17.48	17.28	0.5
144	5720	3.96	3.84	0.5



9.3.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

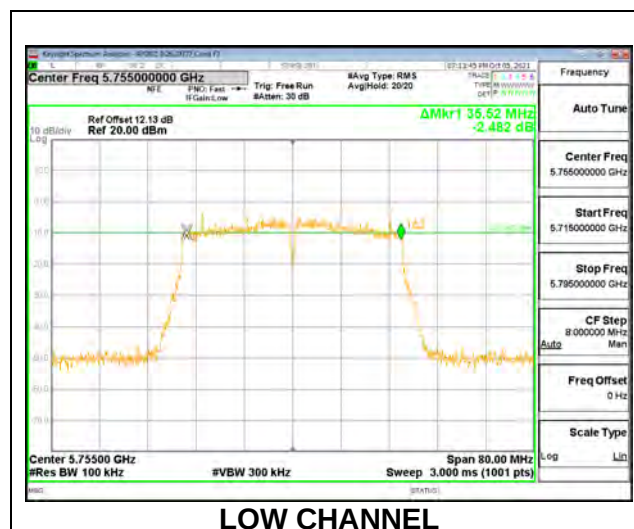
1TX Antenna 6 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.76	0.5
High	5795	35.62	0.5
142	5710	3.16	0.5



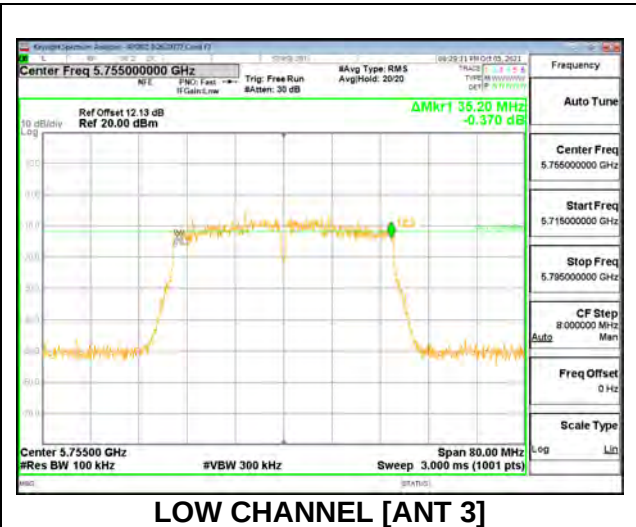
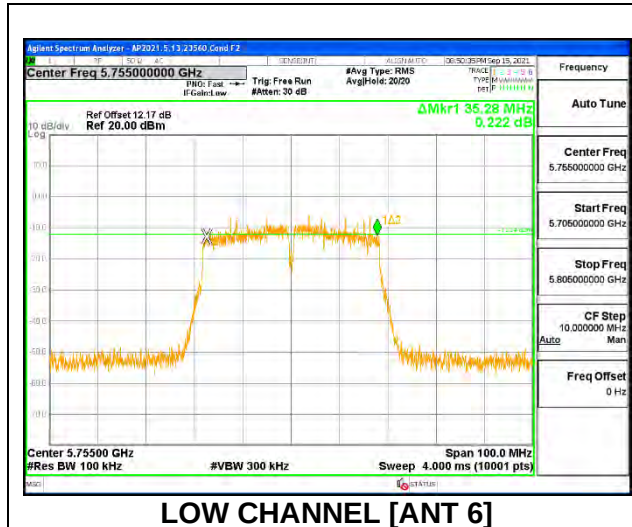
1TX Antenna 3 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.52	0.5
High	5795	36.00	0.5
142	5710	3.16	0.5



2TX Antenna 6 + Antenna 3 CDD MODE

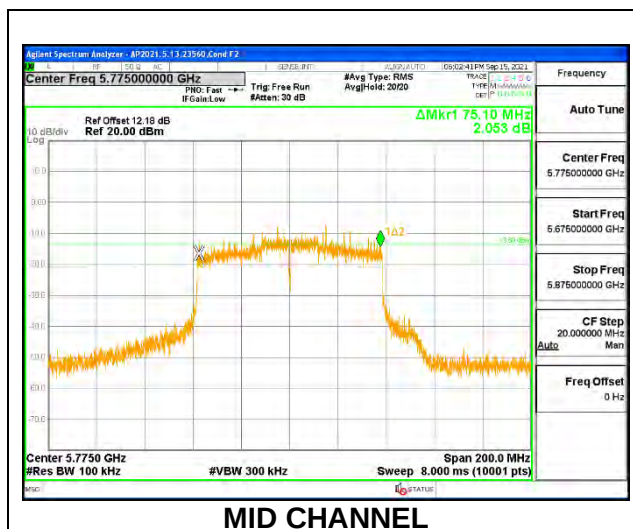
Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5755	35.28	35.20	0.5
High	5795	35.38	36.00	0.5
142	5710	3.16	3.16	0.5



9.3.3. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

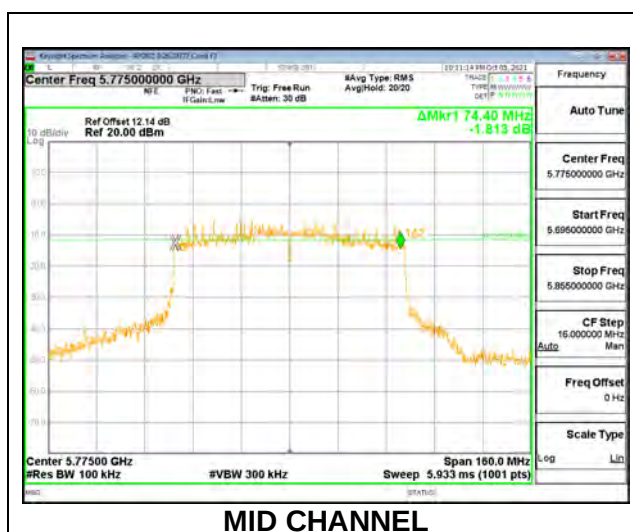
1TX Antenna 6 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.10	0.5
138	5690	3.24	0.5



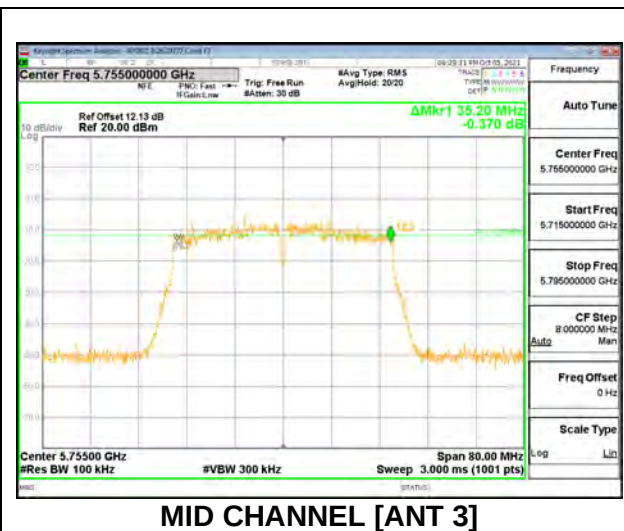
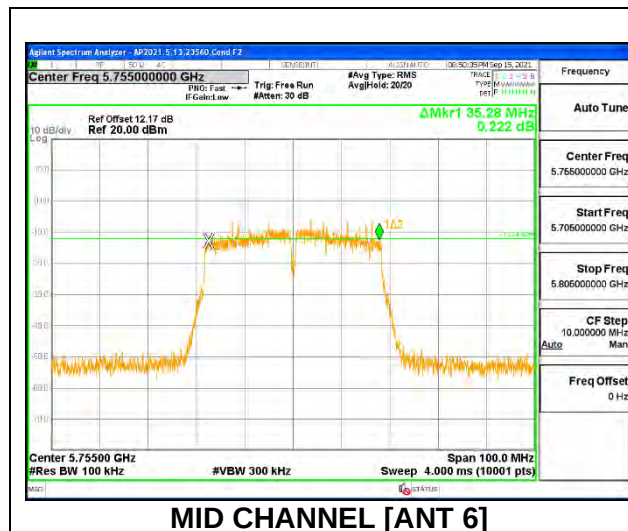
1TX Antenna 3 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	74.40	0.5
138	5690	3.24	0.5



2TX Antenna 6 + Antenna 3 CDD MODE

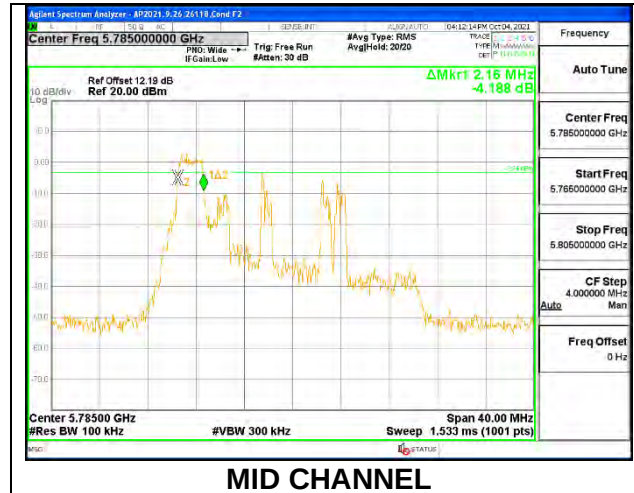
Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Mid	5775	35.28	35.20	0.5
138	5690	2.92	3.08	0.5



9.3.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

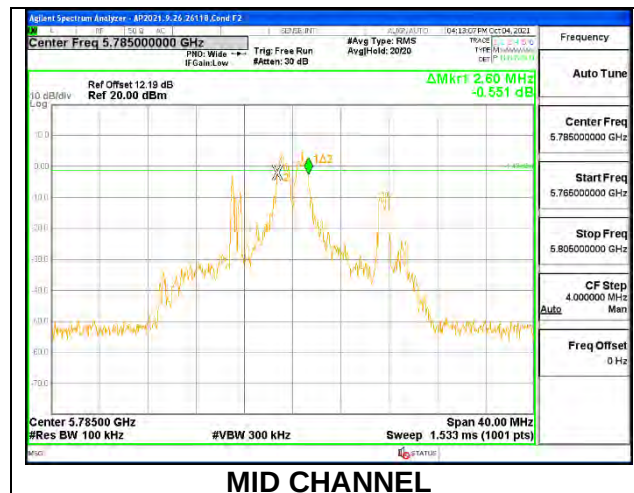
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.12	0.5
Mid	5785	2.16	0.5
High	5825	2.08	0.5



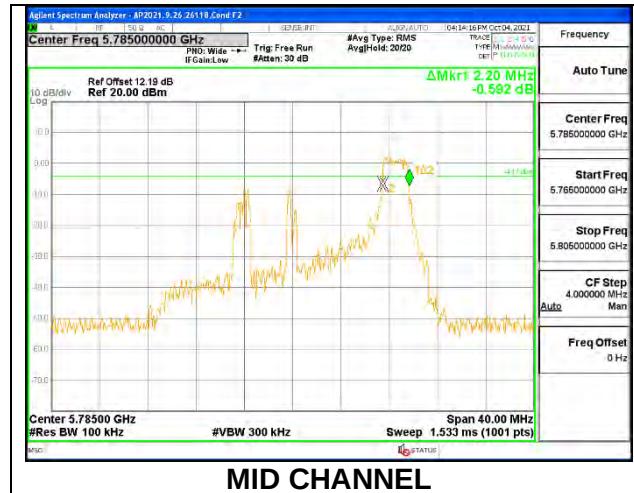
1TX Antenna 6 MODE: 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.68	0.5
Mid	5785	2.60	0.5
High	5825	2.68	0.5

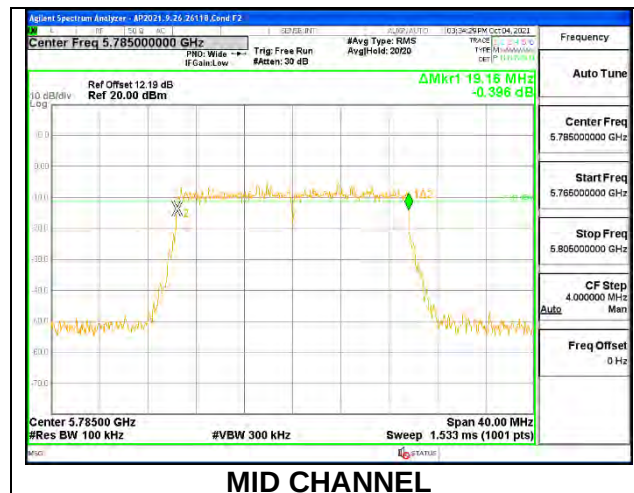


1TX Antenna 6 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.12	0.5
Mid	5785	2.20	0.5
High	5825	2.12	0.5
144	5720	2.04	0.5

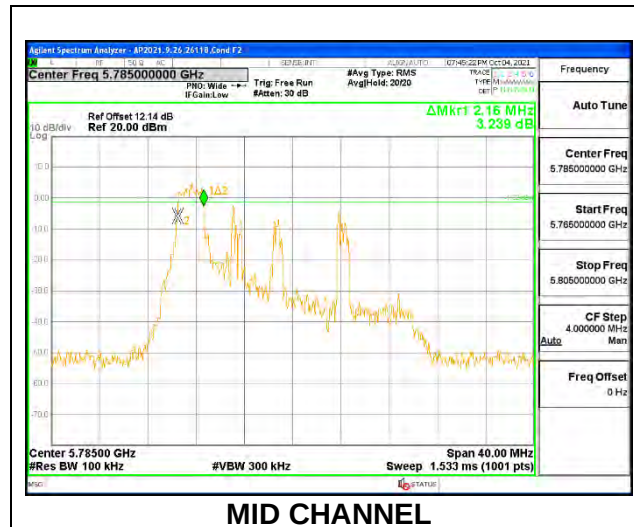
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.52	0.5
Mid	5785	19.16	0.5
High	5825	18.92	0.5
144	5720	4.56	0.5

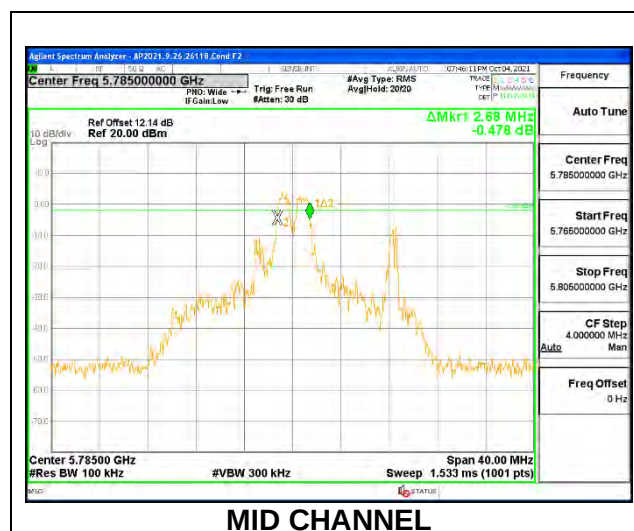


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.20	0.5
Mid	5785	2.16	0.5
High	5825	2.16	0.5

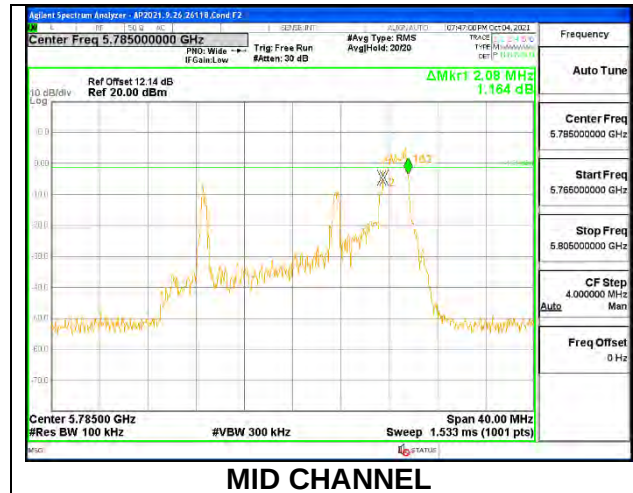
**1TX Antenna 3 MODE: 26 Tones, RU Index 4**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.68	0.5
Mid	5785	2.68	0.5
High	5825	2.64	0.5

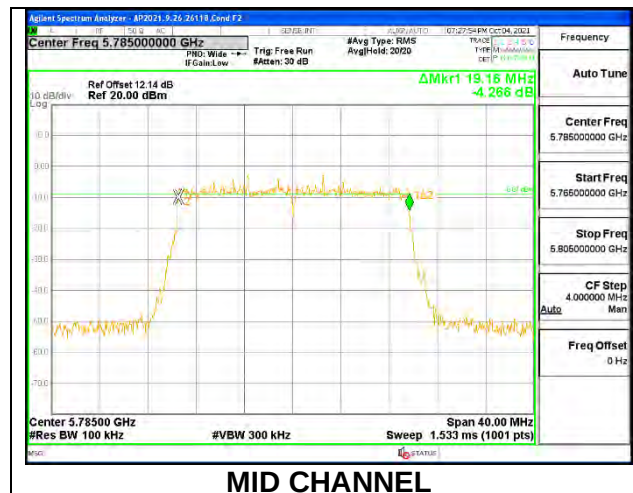


1TX Antenna 3 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.12	0.5
Mid	5785	2.08	0.5
High	5825	2.12	0.5
144	5720	2.08	0.5

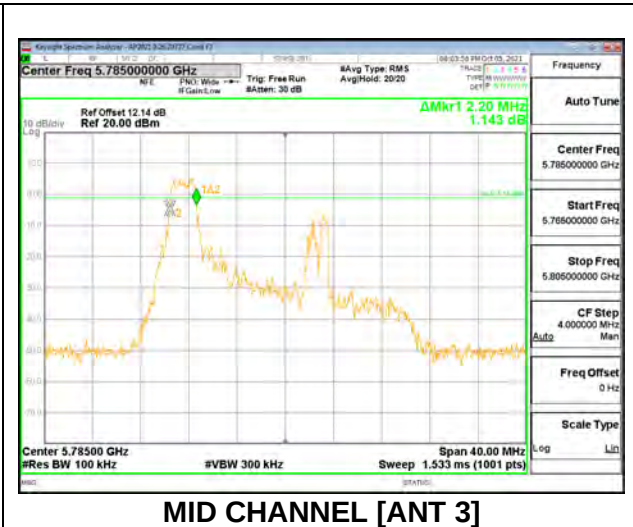
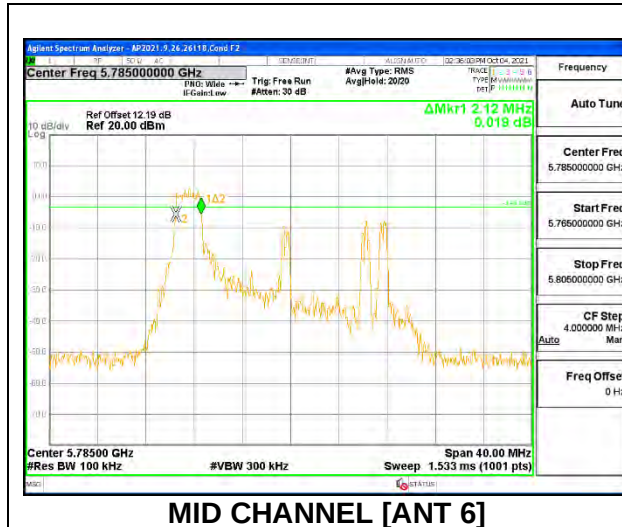
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.56	0.5
Mid	5785	19.16	0.5
High	5825	18.92	0.5
144	5720	4.48	0.5

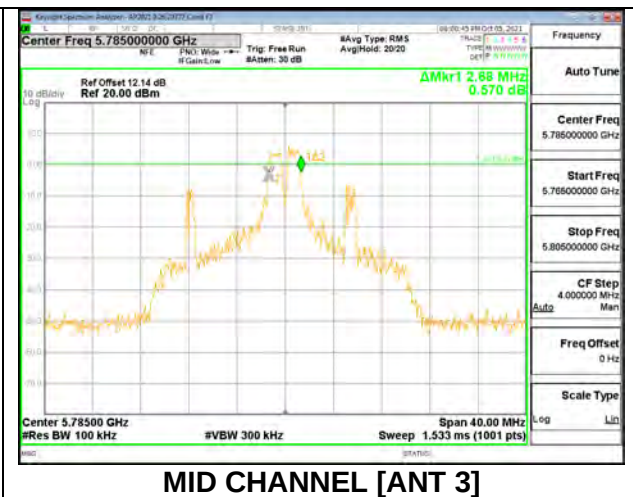
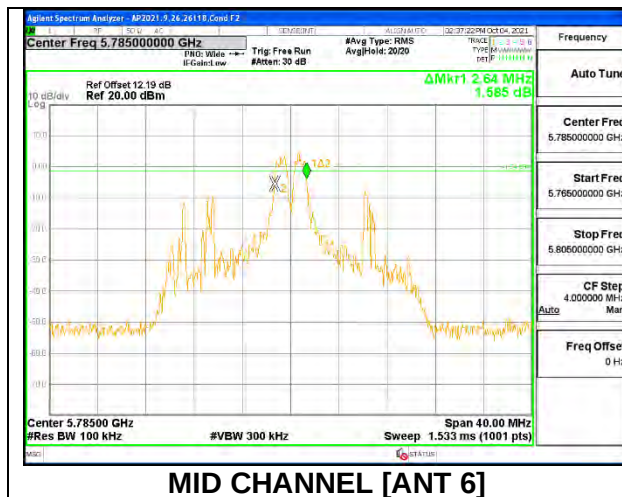


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.12	2.08	0.5
Mid	5785	2.12	2.20	0.5
High	5825	2.16	2.12	0.5

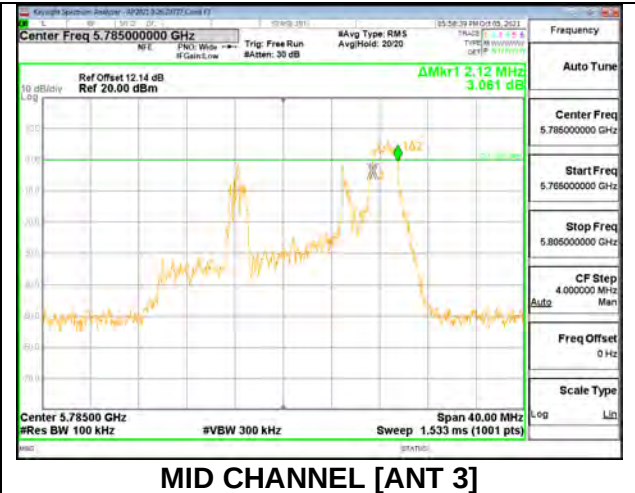
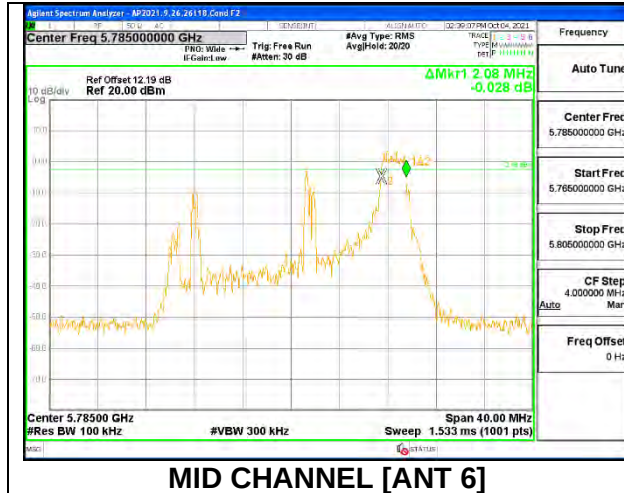
**2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 4**

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.64	2.68	0.5
Mid	5785	2.64	2.68	0.5
High	5825	2.68	2.68	0.5

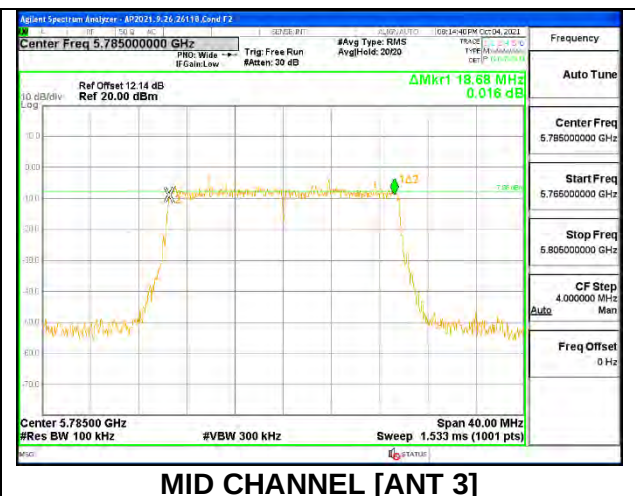
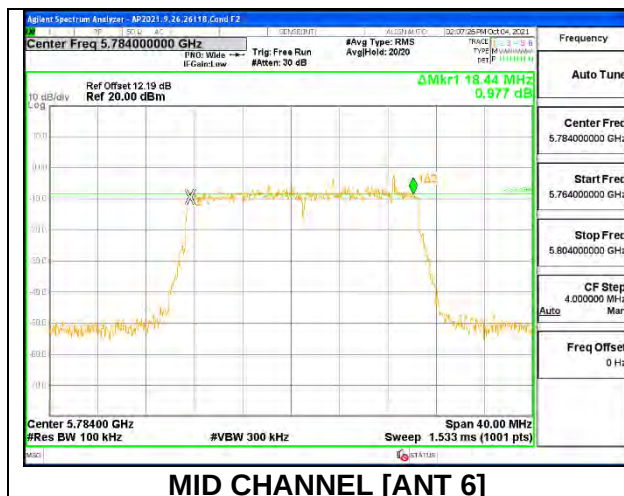


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5745	2.08	2.12	0.5
Mid	5785	2.08	2.12	0.5
High	5825	2.20	2.24	0.5
144	5720	2.12	2.12	0.5

**2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

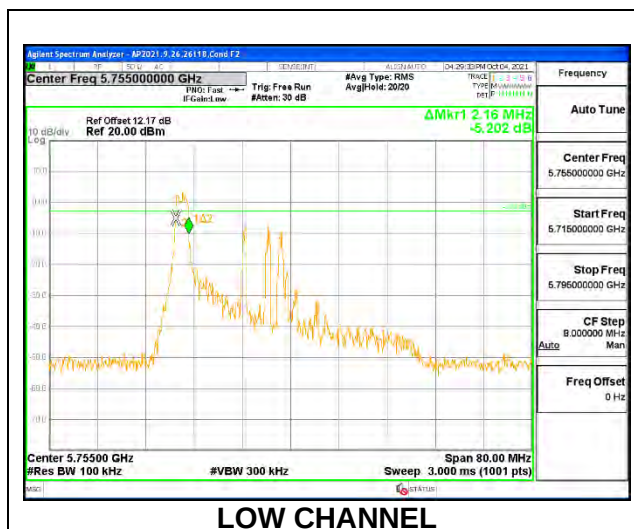
Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5745	19.00	18.56	0.5
Mid	5785	18.44	18.68	0.5
High	5825	18.72	18.36	0.5
144	5720	4.56	3.76	0.5



9.3.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

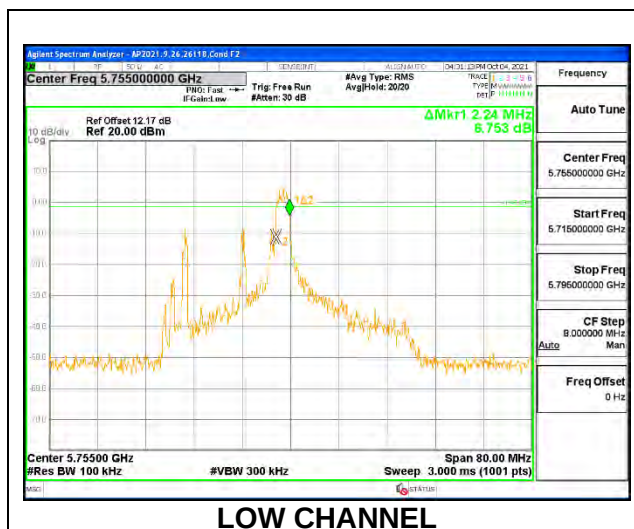
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.16	0.5
High	5795	2.24	0.5



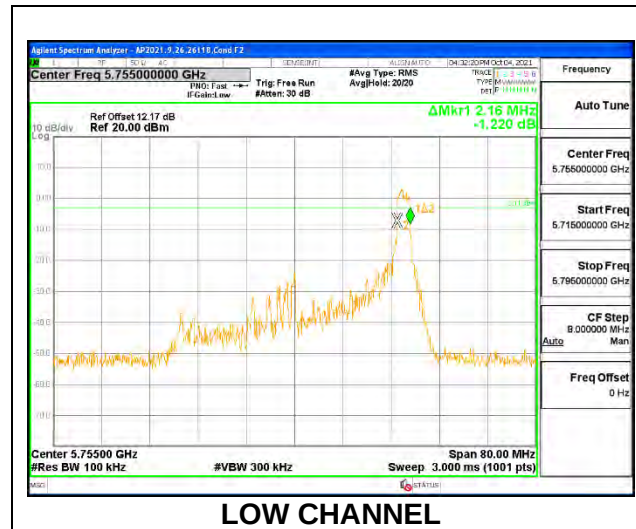
1TX Antenna 6 MODE: 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.24	0.5
High	5795	2.24	0.5

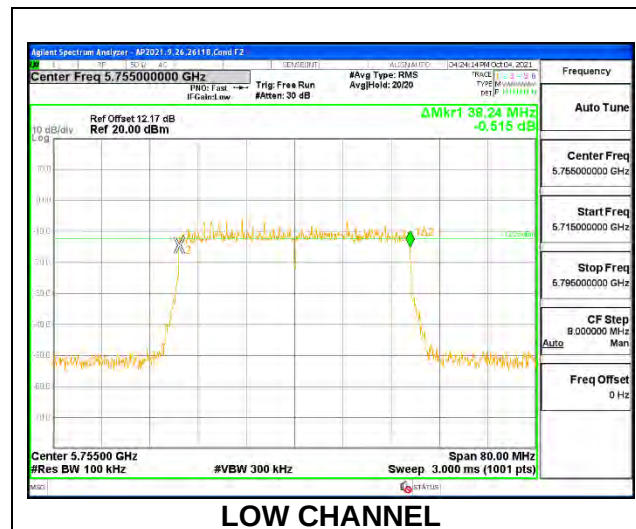


1TX Antenna 6 MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.16	0.5
High	5795	2.16	0.5
142	5710	2.16	0.5

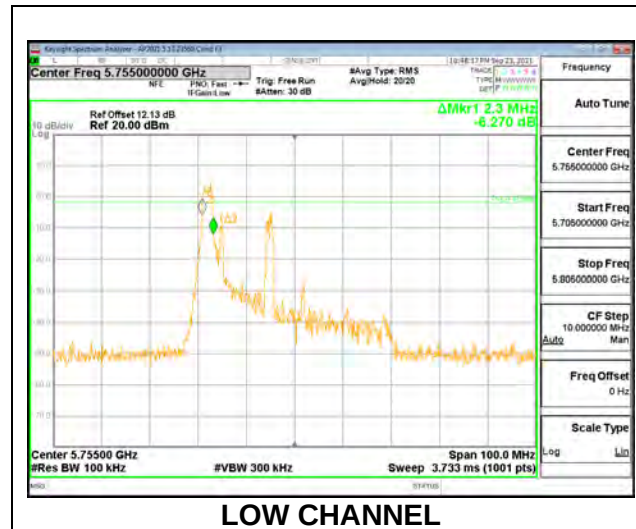
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	38.24	0.5
High	5795	37.44	0.5
142	5710	4.12	0.5

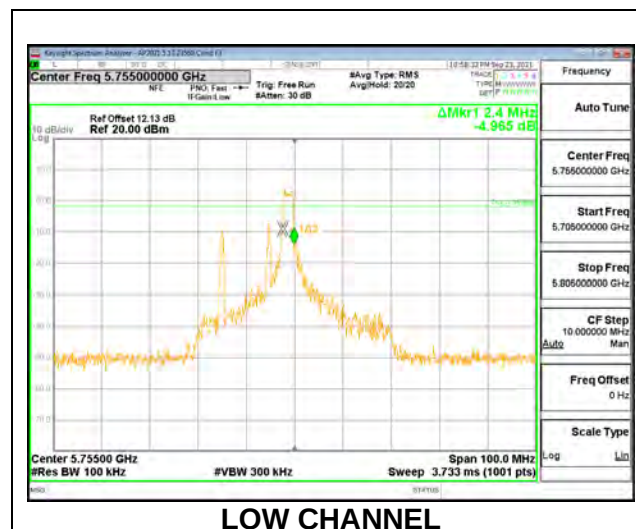


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.30	0.5
High	5795	2.20	0.5

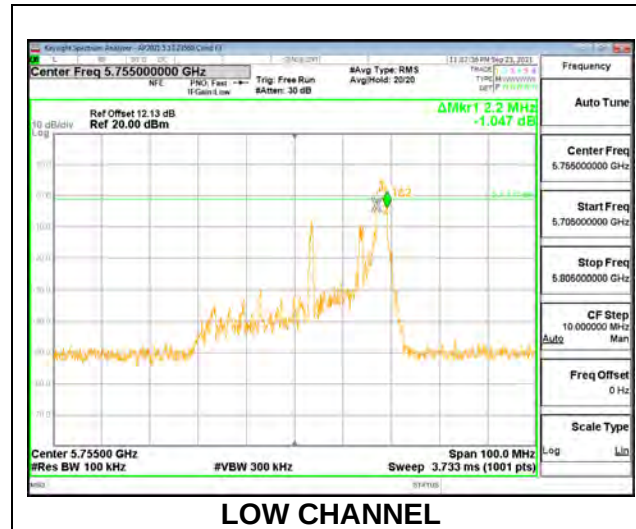
**1TX Antenna 3 MODE: 26 Tones, RU Index 8**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.4	0.5
High	5795	2.3	0.5

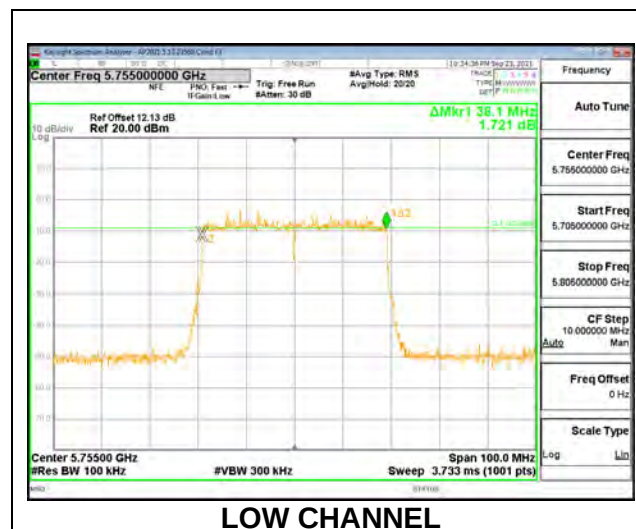


1TX Antenna 3 MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.2	0.5
High	5795	2.3	0.5
142	5710	2.24	0.5

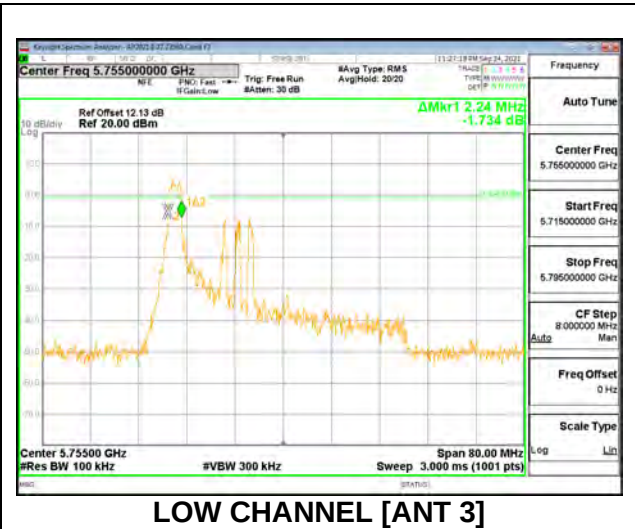
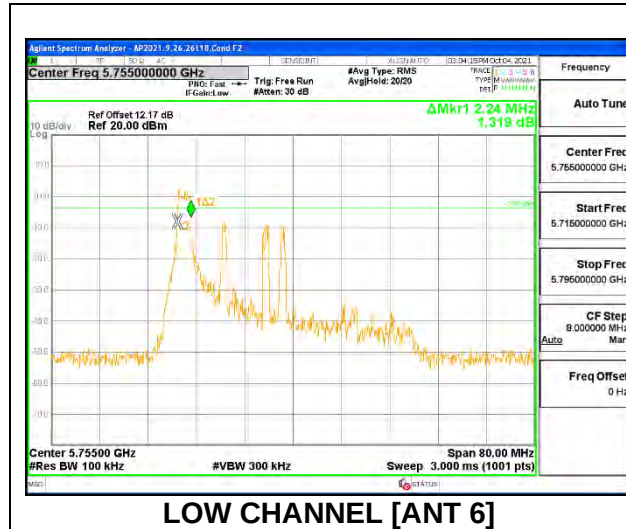
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	38.10	0.5
High	5795	37.80	0.5
142	5710	3.96	0.5

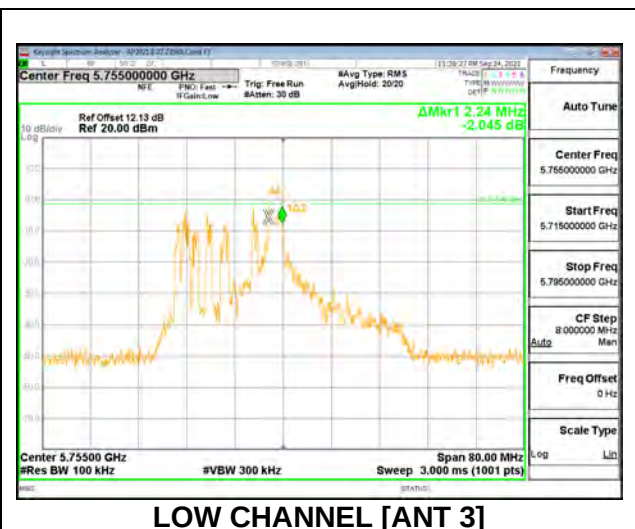
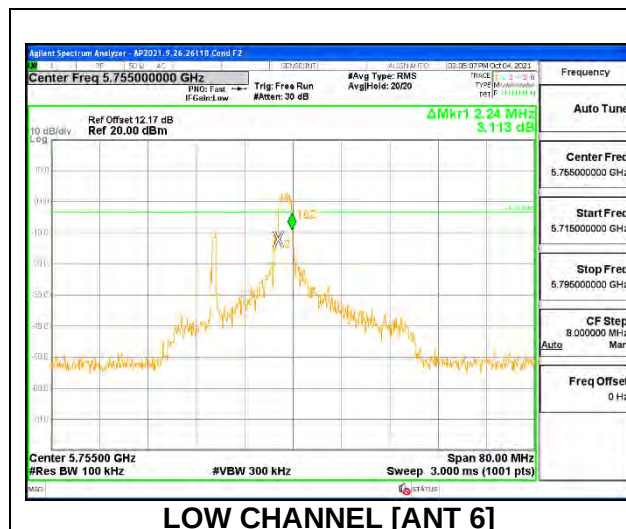


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5755	2.24	2.24	0.5
High	5795	2.24	2.24	0.5

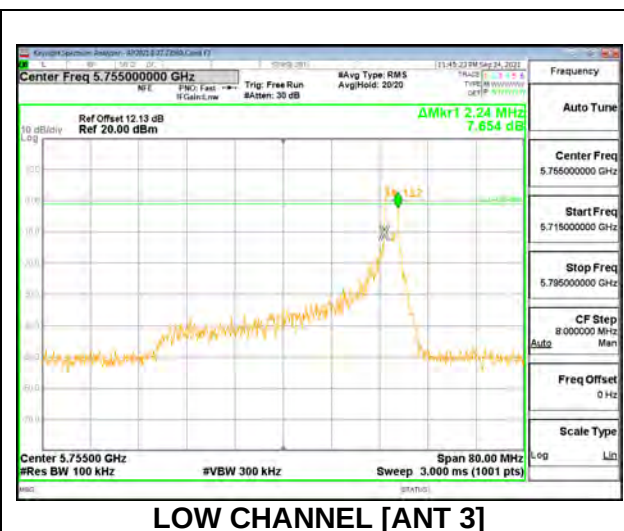
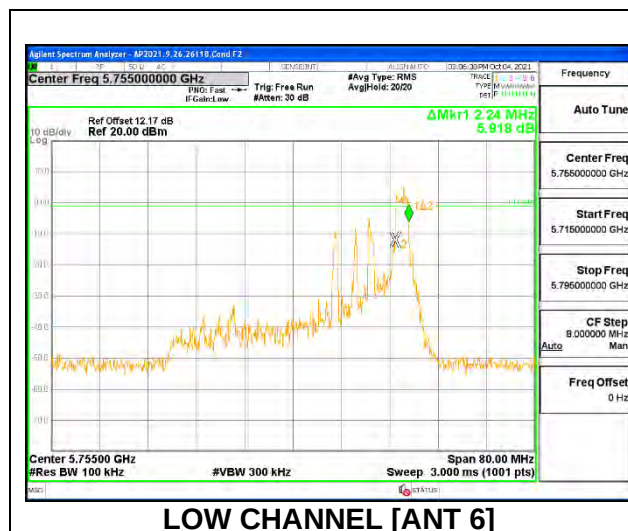
**2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 8**

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5755	2.24	2.24	0.5
High	5795	2.16	2.24	0.5

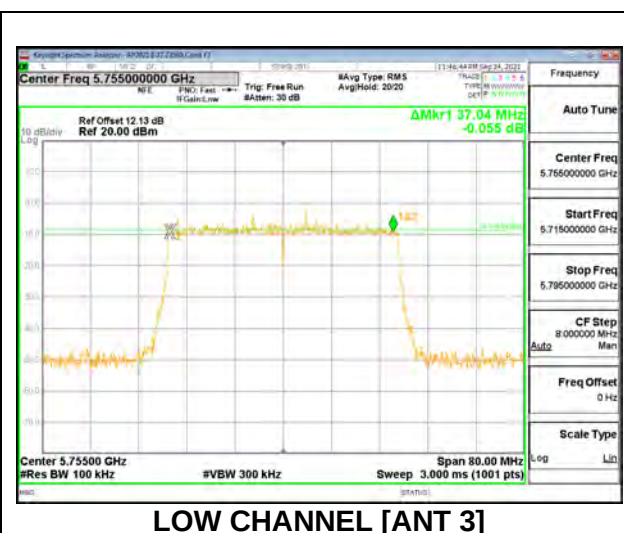
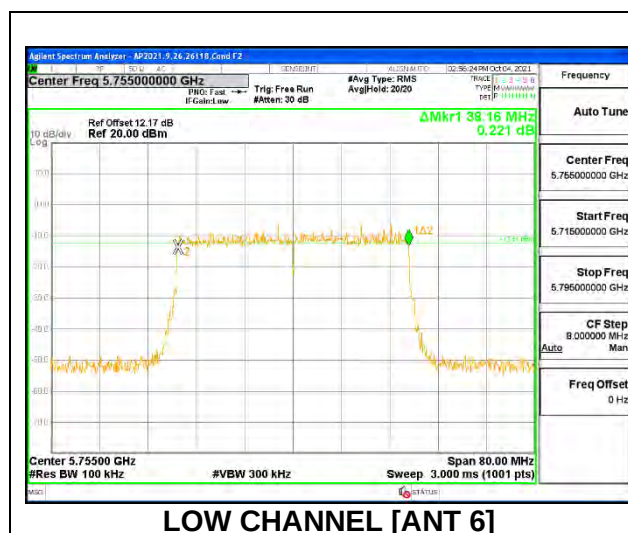


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5755	2.24	2.24	0.5
High	5795	2.32	2.24	0.5
142	5710	2.24	2.24	0.5

**2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

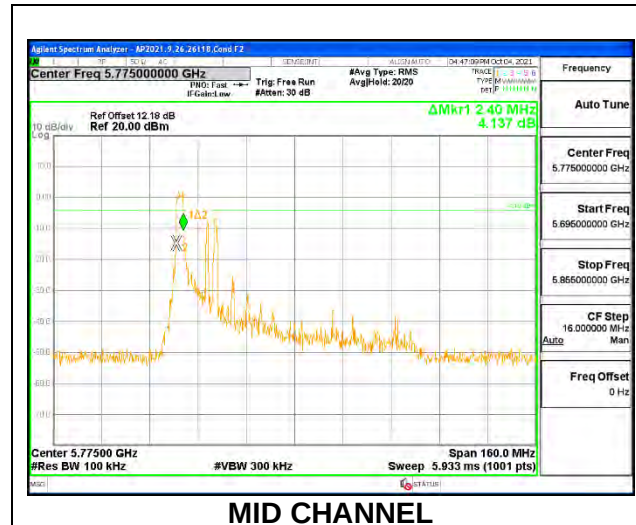
Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Low	5755	38.16	37.04	0.5
High	5795	38.24	38.16	0.5
142	5710	4.12	4.12	0.5



9.3.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

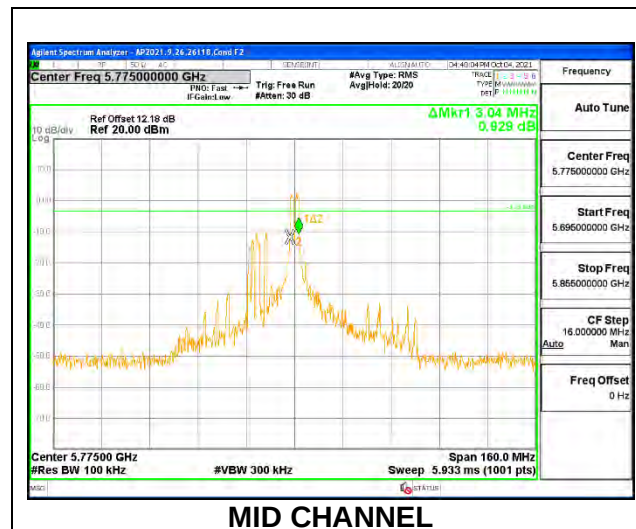
1TX Antenna 6 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	0.5



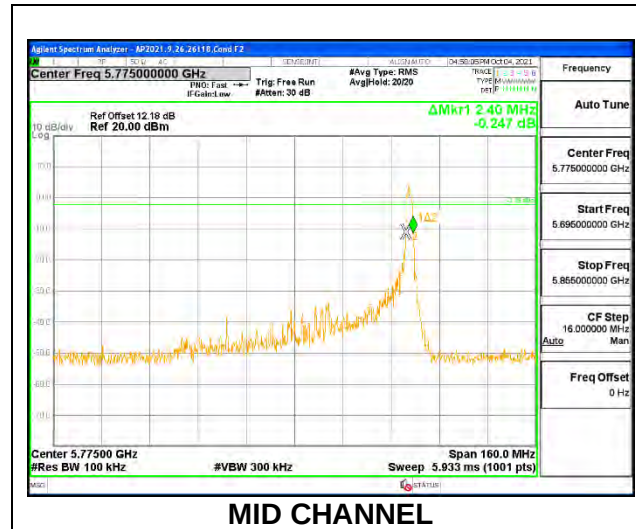
1TX Antenna 6 MODE: 26 Tones, RU Index 18

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	3.04	0.5

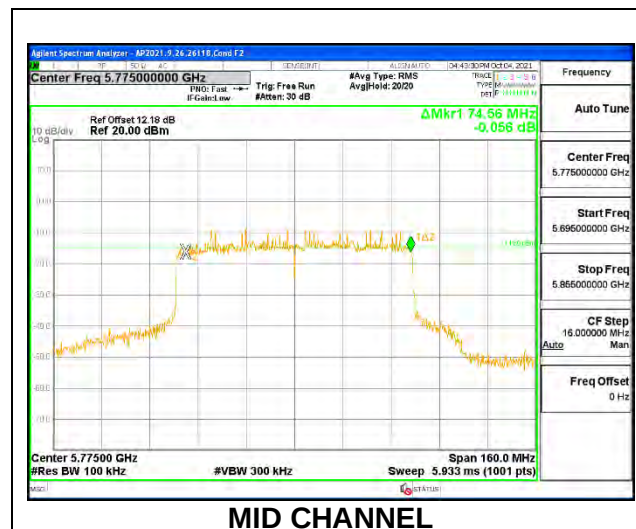


1TX Antenna 6 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	0.5
138	5690	2.24	0.5

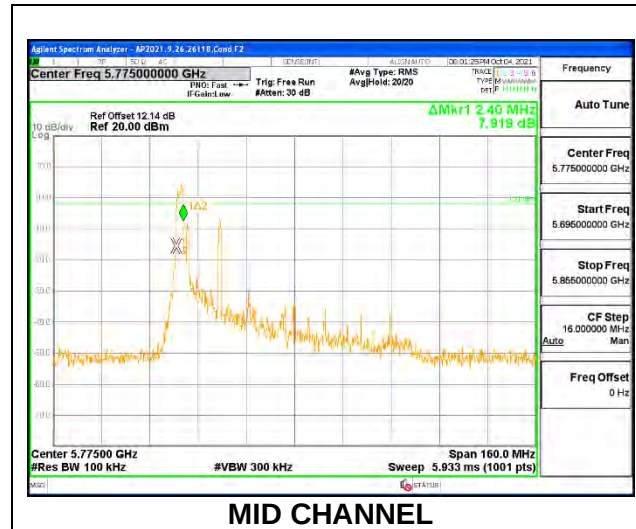
**1TX Antenna 6 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	74.56	0.5
138	5690	4.20	0.5

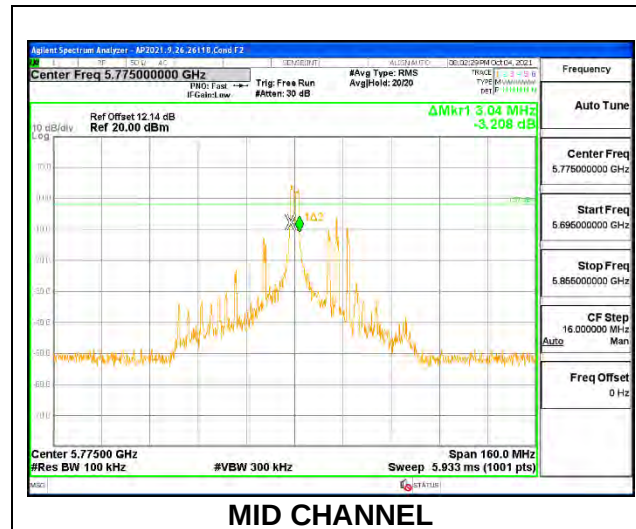


1TX Antenna 3 MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	0.5

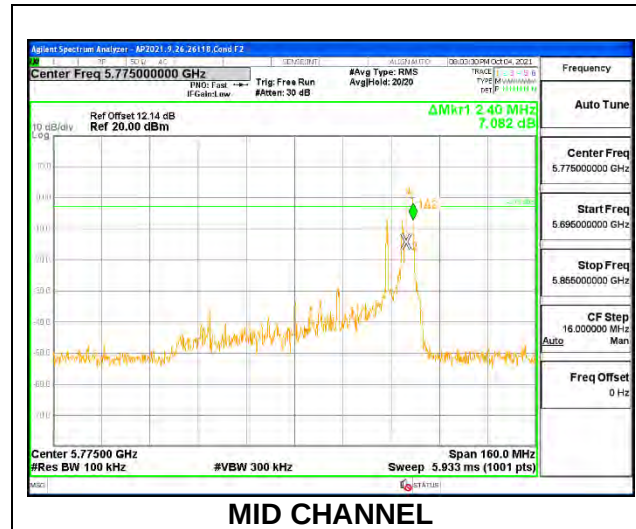
**1TX Antenna 3 MODE: 26 Tones, RU Index 18**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	3.04	0.5

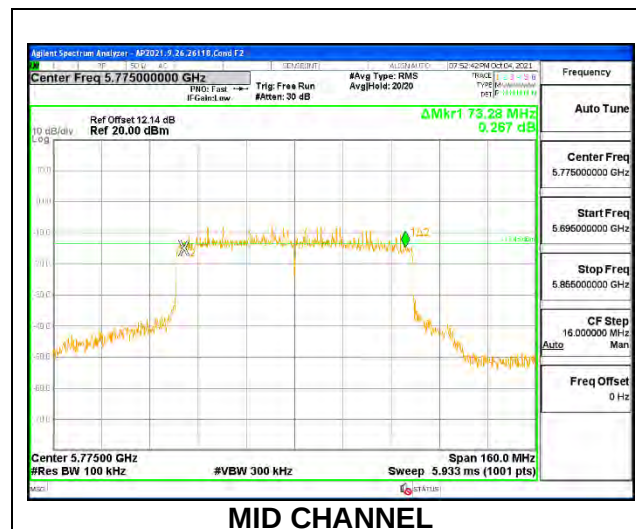


1TX Antenna 3 MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	0.5
138	5690	2.36	0.5

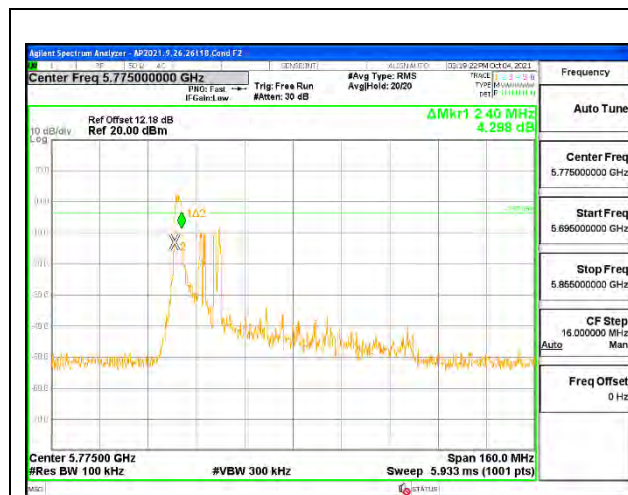
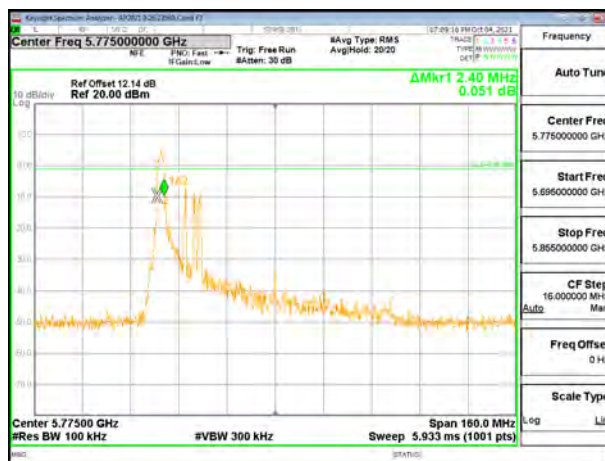
**1TX Antenna 3 MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	73.28	0.5
138	5690	3.88	0.5

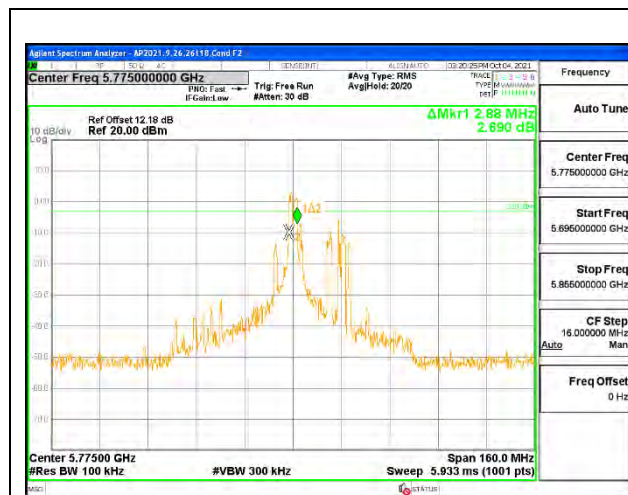
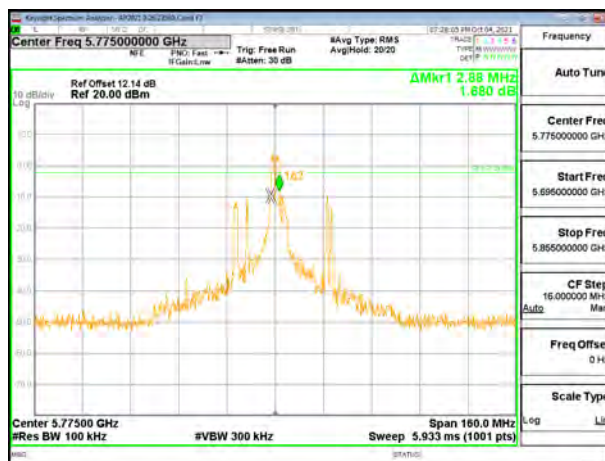


2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	2.40	0.5

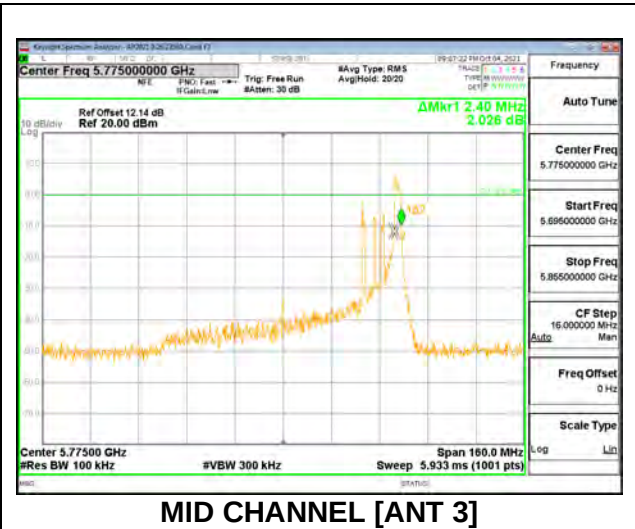
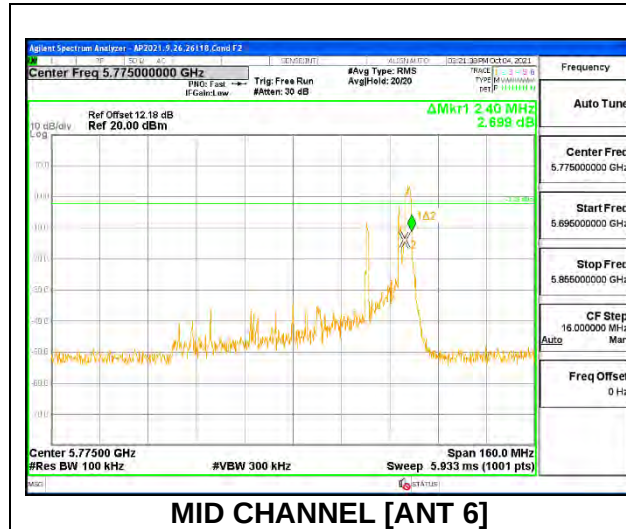
**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]****2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 18**

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.88	2.88	0.5

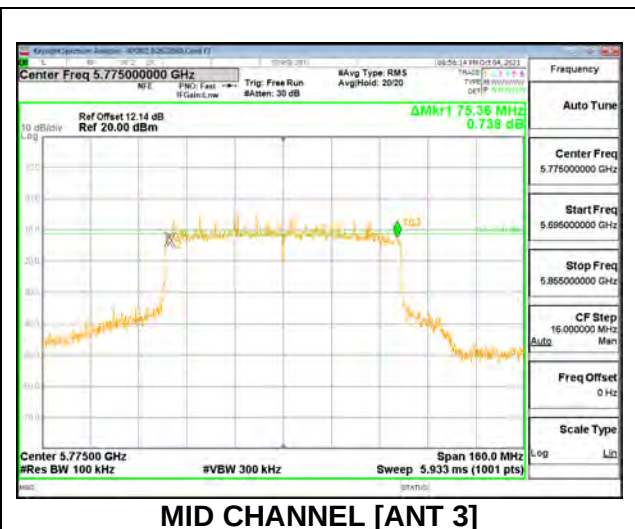
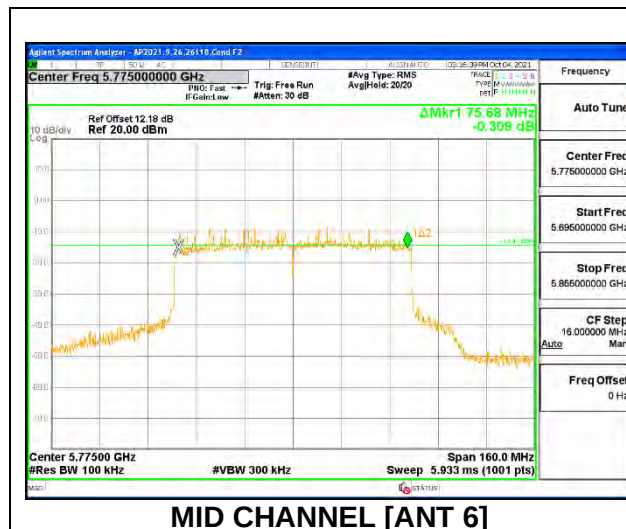
**MID CHANNEL [ANT 6]****MID CHANNEL [ANT 3]**

2TX Antenna 6 + Antenna 3 OFDMA MODE: 26 Tones, RU Index 36

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Mid	5775	2.40	2.40	0.5
138	5690	2.40	2.40	0.5

**2TX Antenna 6 + Antenna 3 OFDMA MODE: SU Mode**

Channel	Frequency (MHz)	6 dB Bandwidth Antenna 6 (MHz)	6 dB Bandwidth Antenna 3 (MHz)	Minimum Limit (MHz)
Mid	5775	75.68	75.36	0.5
138	5690	4.04	3.88	0.5



9.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G).

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

For all straddle channels, full bandwidth power is reported in the 5.6GHz section. The combined 5.6GHz and 5.8GHz power already passed the worst case 5.6GHz 24dBm limit, therefore there is no need to provide the 5.8GHz power.

11n HT20 and 11ax HE20 straddle channel 26dB bandwidth= (26dB BW/2)+5

DIRECTIONAL ANTENNA GAIN

For 1 TX:

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

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	ANT 6 Gain (dBi)	ANT 3 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-1.40	-2.10	-1.74	1.27
5.3	-2.10	-0.70	-1.34	1.64
5.6	-1.30	-0.50	-0.88	2.12
5.8	-1.60	-0.10	-0.79	2.19

RESULTS

9.4.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE)

Test Engineer:	26118
Test Date:	01/20/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-1.40	24.00	11.00
Mid	5200	-1.40	24.00	11.00
High	5240	-1.40	24.00	11.00

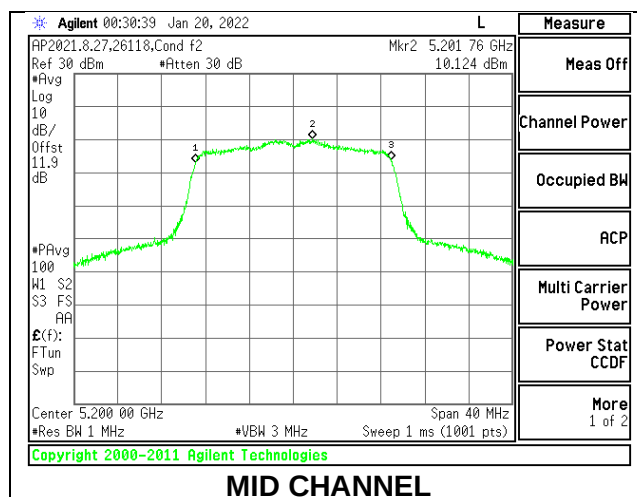
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.19	18.19	24.00	-5.81
Mid	5200	19.48	19.48	24.00	-4.52
High	5240	19.46	19.46	24.00	-4.54

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	5180	9.812	9.812	11.00	-1.188
Mid	5200	10.124	10.124	11.00	-0.876
High	5240	10.230	10.230	11.00	-0.770



2TX Antenna 6 + Antenna 3 CDD MODE (FCC) MOBILE

Test Engineer:	26118
Test Date:	10/05/21;10/01/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-1.74	1.27	24.00	11.00
Mid	5200	-1.74	1.27	24.00	11.00
High	5240	-1.74	1.27	24.00	11.00

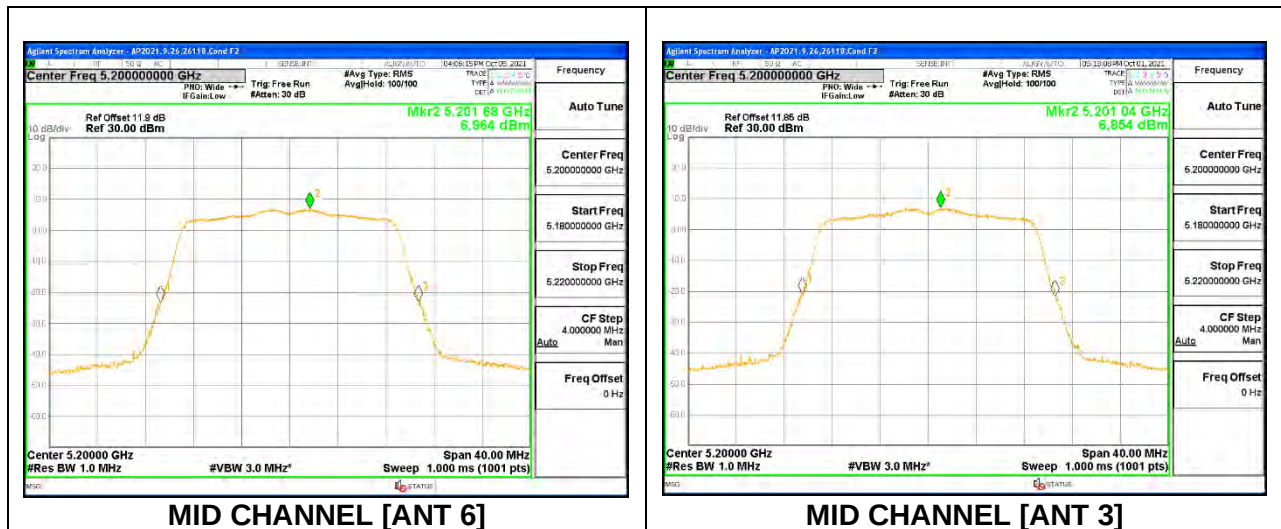
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.52	16.55	19.55	24.00	-4.45
Mid	5200	16.53	16.48	19.52	24.00	-4.48
High	5240	16.50	16.49	19.51	24.00	-4.49

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.974	7.018	10.096	11.00	-0.904
Mid	5200	6.964	6.854	10.010	11.00	-0.990
High	5240	7.048	7.000	10.124	11.00	-0.876



9.4.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/15/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.40	24.00	11.00
High	5230	-1.40	24.00	11.00

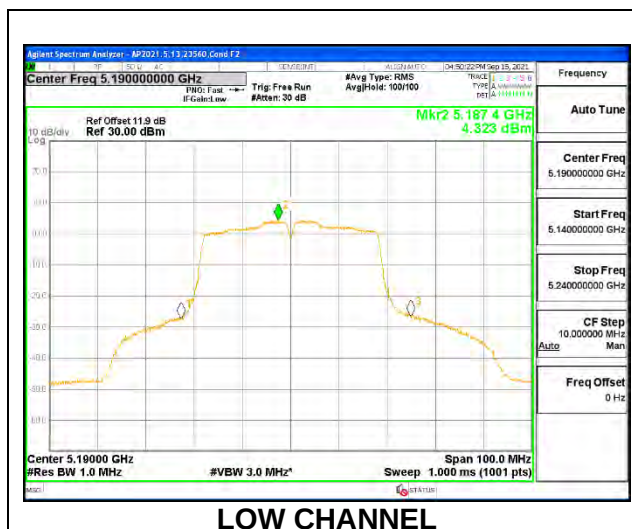
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.23	16.23	24.00	-7.77
High	5230	20.22	20.22	24.00	-3.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.323	4.423	11.00	-6.577
High	5230	7.804	7.904	11.00	-3.096



1TX Antenna 3 MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/16/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-2.10	24.00	11.00
High	5230	-2.10	24.00	11.00

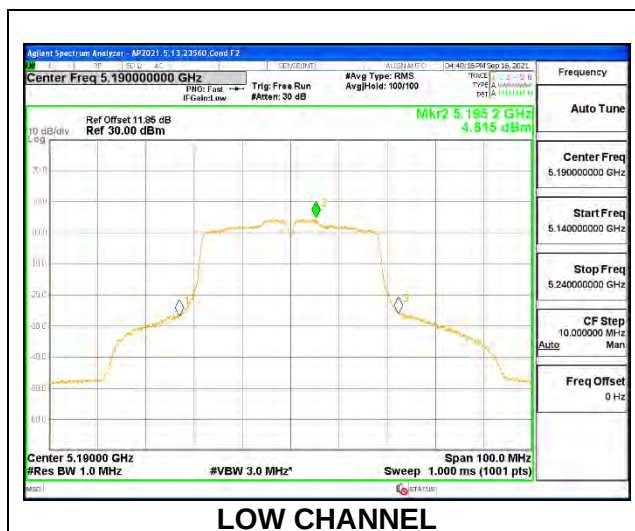
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.20	16.20	24.00	-7.80
High	5230	20.19	20.19	24.00	-3.81

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.615	4.715	11.00	-6.285
High	5230	7.701	7.801	11.00	-3.199



2TX Antenna 6 + Antenna 3 CDD MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/16/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.74	1.27	24.00	11.00
High	5230	-1.74	1.27	24.00	11.00

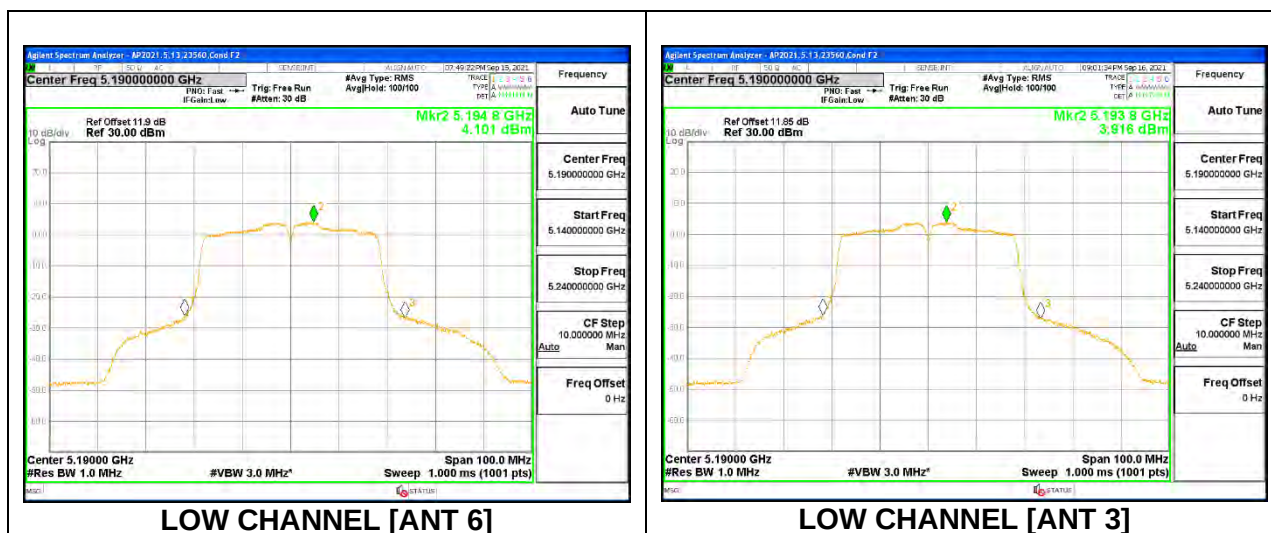
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.19	15.08	18.15	24.00	-5.85
High	5230	19.20	19.18	22.20	24.00	-1.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.101	3.916	7.120	11.00	-3.880
High	5230	6.315	6.283	9.409	11.00	-1.591



9.4.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/15/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.40	24.00	11.00

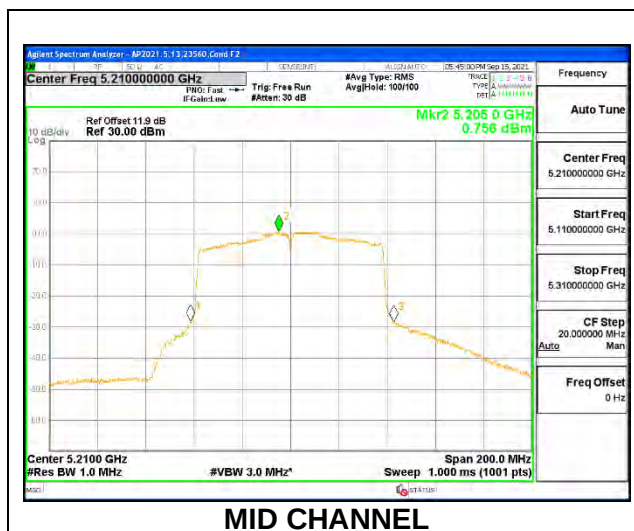
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.27	15.27	24.00	-8.73

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.756	0.956	11.00	-10.044



1TX Antenna 3 MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/17/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-2.10	24.00	11.00

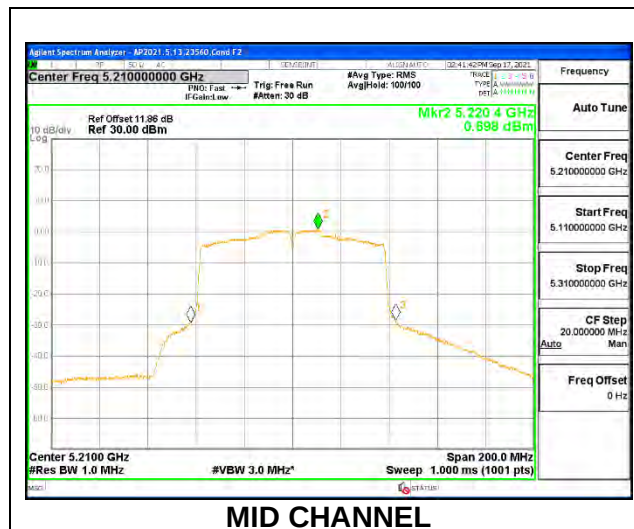
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	15.23	15.23	24.00	-8.77

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.698	0.898	11.00	-10.102



2TX Antenna 6 + Antenna 3 CDD MODE (FCC) MOBILE

Test Engineer:	23560
Test Date:	09/15/21; 9/17/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-1.74	1.27	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	14.88	14.89	17.90	24.00	-6.10

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	0.343	0.526	3.646	11.00	-7.354



9.4.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

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

Test Engineer:	26118
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-1.40	24.00	11.00
Mid	5200	-1.40	24.00	11.00
High	5240	-1.40	24.00	11.00

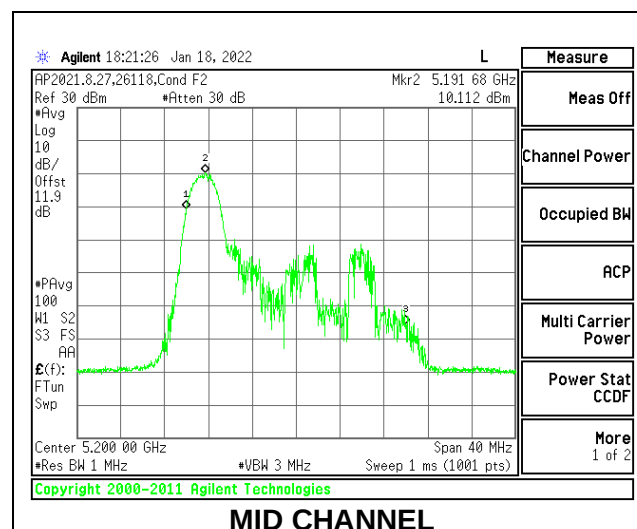
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.68	11.68	24.00	-12.32
Mid	5200	11.92	11.92	24.00	-12.08
High	5240	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	5180	9.443	9.443	11.00	-1.557
Mid	5200	10.112	10.112	11.00	-0.888
High	5240	10.019	10.019	11.00	-0.981



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

Test Engineer:	26118
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-1.40	24.00	11.00
Mid	5200	-1.40	24.00	11.00
High	5240	-1.40	24.00	11.00

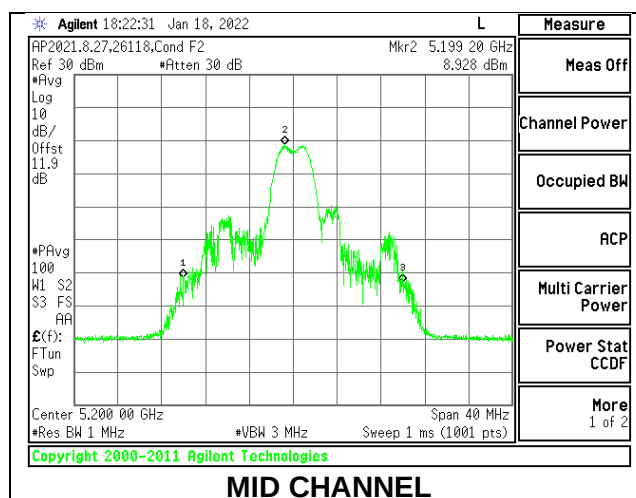
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.70	11.70	24.00	-12.30
Mid	5200	11.72	11.72	24.00	-12.28
High	5240	11.71	11.71	24.00	-12.29

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	5180	8.676	8.676	11.00	-2.324
Mid	5200	8.928	8.928	11.00	-2.072
High	5240	8.513	8.513	11.00	-2.487



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

Test Engineer:	26118
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-1.40	24.00	11.00
Mid	5200	-1.40	24.00	11.00
High	5240	-1.40	24.00	11.00

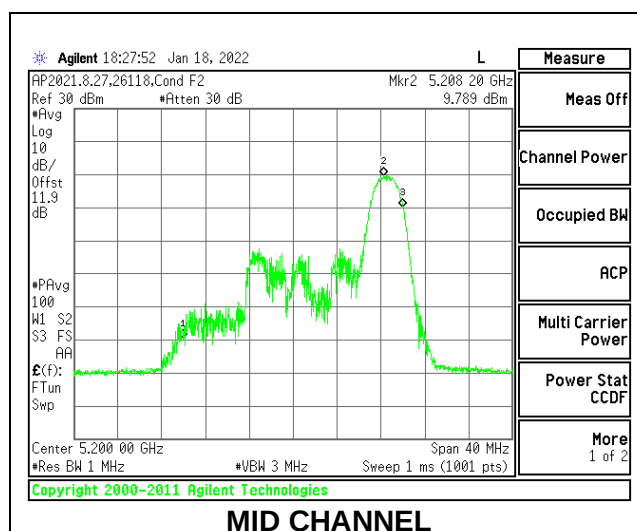
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.69	11.69	24.00	-12.31
Mid	5200	11.73	11.73	24.00	-12.27
High	5240	11.70	11.70	24.00	-12.30

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.585	9.585	11.00	-1.415
Mid	5200	9.789	9.789	11.00	-1.211
High	5240	9.698	9.698	11.00	-1.302



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

Test Engineer:	26118
Test Date:	09/22/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-1.40	24.00	11.00
Mid	5200	-1.40	24.00	11.00
High	5240	-1.40	24.00	11.00

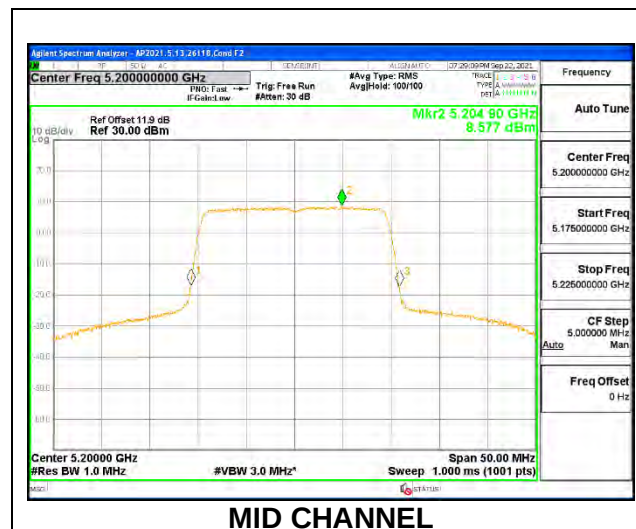
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.70	16.70	24.00	-7.30
Mid	5200	19.72	19.72	24.00	-4.28
High	5240	19.74	19.74	24.00	-4.26

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	5180	7.426	7.426	11.00	-3.574
Mid	5200	8.577	8.577	11.00	-2.423
High	5240	8.736	8.736	11.00	-2.264



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20737
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-2.10	24.00	11.00
Mid	5200	-2.10	24.00	11.00
High	5240	-2.10	24.00	11.00

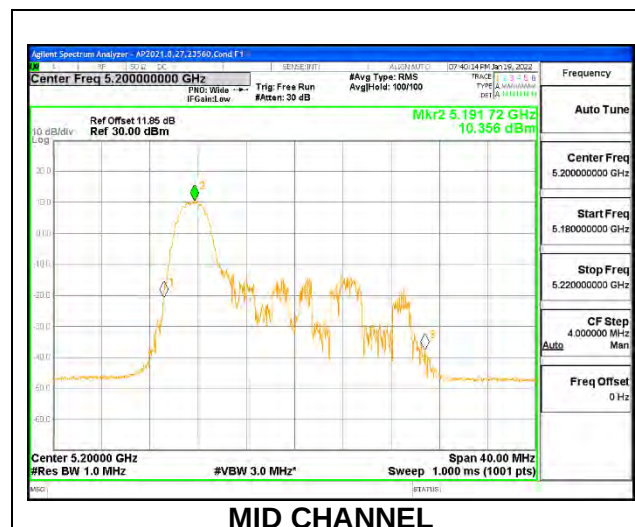
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.67	11.67	24.00	-12.33
Mid	5200	11.94	11.94	24.00	-12.06
High	5240	11.70	11.70	24.00	-12.30

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.482	9.482	11.00	-1.518
Mid	5200	10.356	10.356	11.00	-0.644
High	5240	9.947	9.947	11.00	-1.053



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 4

Test Engineer:	26118
Test Date:	01/14/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-2.10	24.00	11.00
Mid	5200	-2.10	24.00	11.00
High	5240	-2.10	24.00	11.00

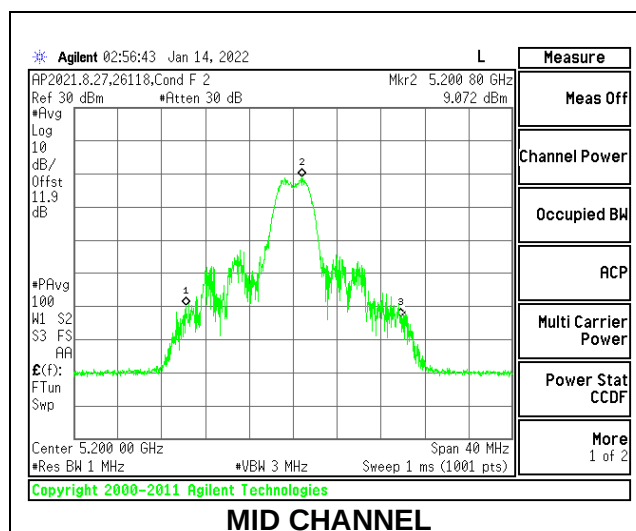
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.70	11.70	24.00	-12.30
Mid	5200	11.72	11.72	24.00	-12.28
High	5240	11.75	11.75	24.00	-12.25

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.053	9.053	11.00	-1.947
Mid	5200	9.072	9.072	11.00	-1.928
High	5240	8.873	8.873	11.00	-2.127



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	-2.10	24.00	11.00
Mid	5200	-2.10	24.00	11.00
High	5240	-2.10	24.00	11.00

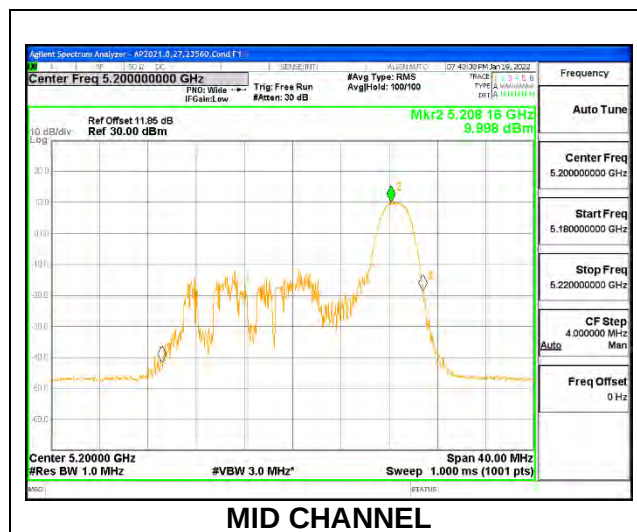
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.68	11.68	24.00	-12.32
Mid	5200	11.69	11.69	24.00	-12.31
High	5240	11.68	11.68	24.00	-12.32

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.695	9.695	11.00	-1.305
Mid	5200	9.998	9.998	11.00	-1.002
High	5240	9.831	9.831	11.00	-1.169



1TX Antenna 3 MODE (FCC) MOBILE – SU Mode

Test Engineer:	26118
Test Date:	09/20/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-2.10	24.00	11.00
Mid	5200	-2.10	24.00	11.00
High	5240	-2.10	24.00	11.00

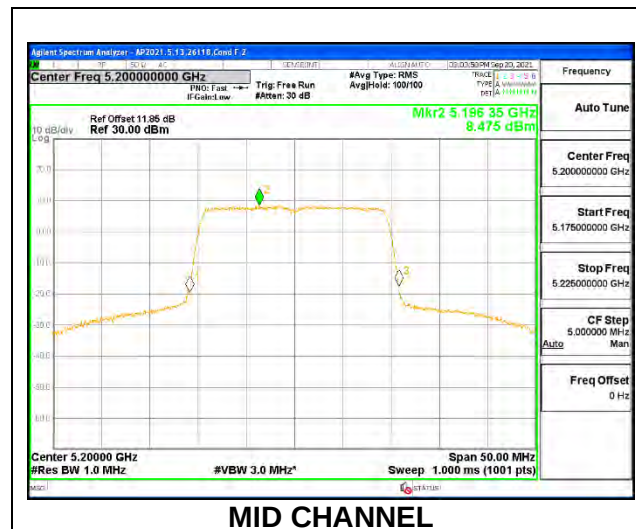
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.77	16.77	24.00	-7.23
Mid	5200	19.71	19.71	24.00	-4.29
High	5240	19.74	19.74	24.00	-4.26

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	7.55	7.55	11.00	-3.454
Mid	5200	8.48	8.48	11.00	-2.525
High	5240	8.73	8.73	11.00	-2.274



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	26118
Test Date:	10/11/21; 09/21/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-1.74	1.27	24.00	11.00
Mid	5200	-1.74	1.27	24.00	11.00
High	5240	-1.74	1.27	24.00	11.00

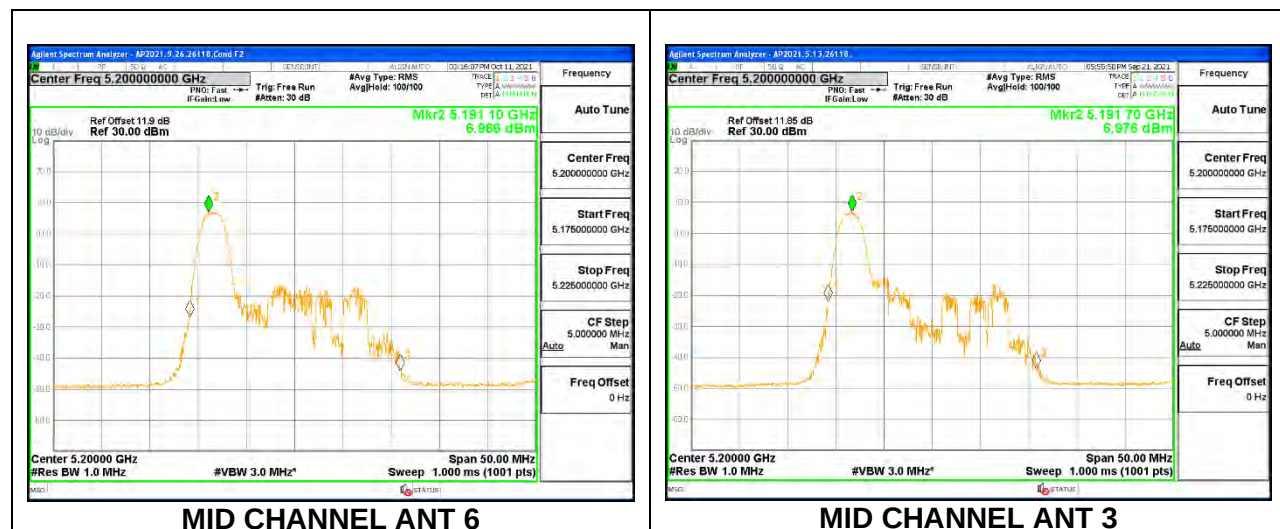
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.64	8.66	11.66	24.00	-12.34
Mid	5200	8.71	8.72	11.73	24.00	-12.27
High	5240	8.63	8.67	11.66	24.00	-12.34

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.633	6.631	9.642	11.00	-1.358
Mid	5200	6.966	6.976	9.981	11.00	-1.019
High	5240	6.529	6.834	9.694	11.00	-1.306



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 4

Test Engineer:	26118
Test Date:	10/11/21; 09/21/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-1.74	1.27	24.00	11.00
Mid	5200	-1.74	1.27	24.00	11.00
High	5240	-1.74	1.27	24.00	11.00

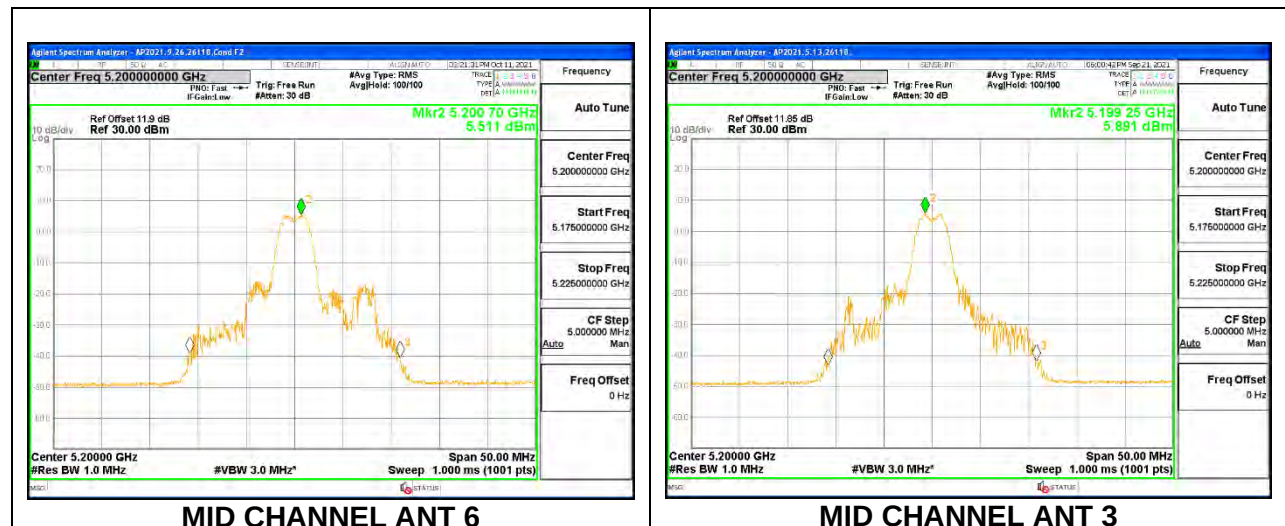
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.60	8.67	11.65	24.00	-12.35
Mid	5200	8.54	8.74	11.65	24.00	-12.35
High	5240	8.73	8.67	11.71	24.00	-12.29

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	5.628	5.725	8.687	11.00	-2.313
Mid	5200	5.511	5.891	8.715	11.00	-2.285
High	5240	5.883	5.735	8.820	11.00	-2.180



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	26118
Test Date:	10/11/21; 09/21/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-1.74	1.27	24.00	11.00
Mid	5200	-1.74	1.27	24.00	11.00
High	5240	-1.74	1.27	24.00	11.00

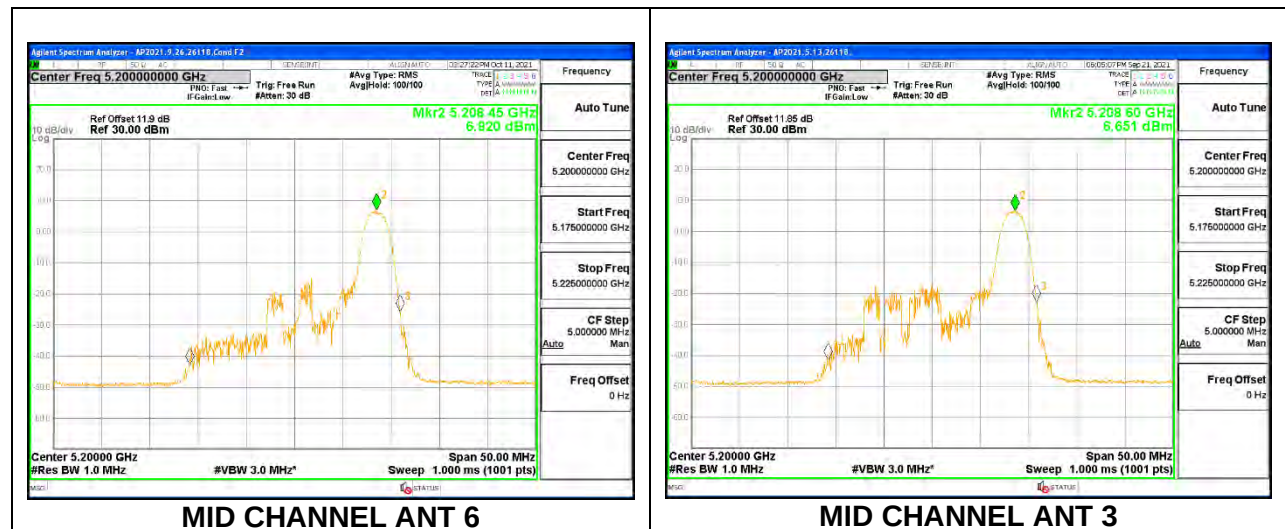
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.52	8.60	11.57	24.00	-12.43
Mid	5200	8.71	8.64	11.69	24.00	-12.31
High	5240	8.65	8.67	11.67	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.159	6.572	9.381	11.00	-1.619
Mid	5200	6.920	6.651	9.798	11.00	-1.202
High	5240	6.671	6.805	9.749	11.00	-1.251



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – SU Mode

Test Engineer:	26118
Test Date:	09/24/21; 09/21/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	-1.74	1.27	24.00	11.00
Mid	5200	-1.74	1.27	24.00	11.00
High	5240	-1.74	1.27	24.00	11.00

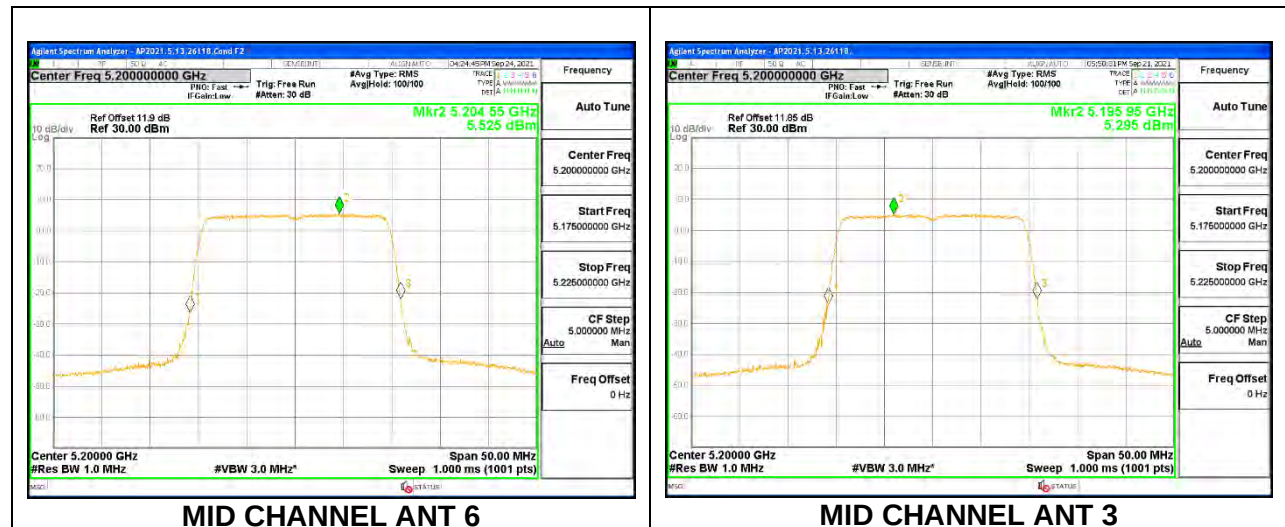
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.19	16.24	19.23	24.00	-4.77
Mid	5200	16.75	16.60	19.69	24.00	-4.31
High	5240	16.75	16.65	19.71	24.00	-4.29

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	5.16	5.49	8.339	11.00	-2.661
Mid	5200	5.53	5.30	8.422	11.00	-2.578
High	5240	5.56	5.39	8.488	11.00	-2.512



9.4.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.40	24.00	11.00
High	5230	-1.40	24.00	11.00

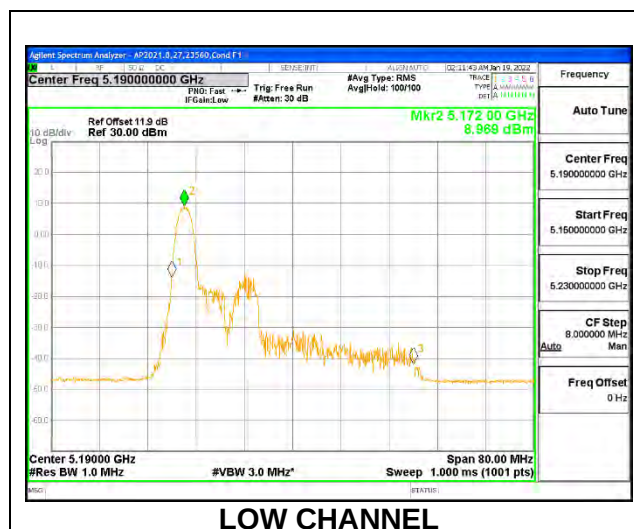
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.80	10.80	24.00	-13.20
High	5230	10.77	10.77	24.00	-13.23

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.969	8.969	11.00	-2.031
High	5230	8.412	8.412	11.00	-2.588



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

Test Engineer:	26118
Test Date:	09/29/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.40	24.00	11.00
High	5230	-1.40	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.84	10.84	24.00	-13.16
High	5230	10.79	10.79	24.00	-13.21

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.760	8.760	11.00	-2.240
High	5230	9.059	9.059	11.00	-1.941



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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.40	24.00	11.00
High	5230	-1.40	24.00	11.00

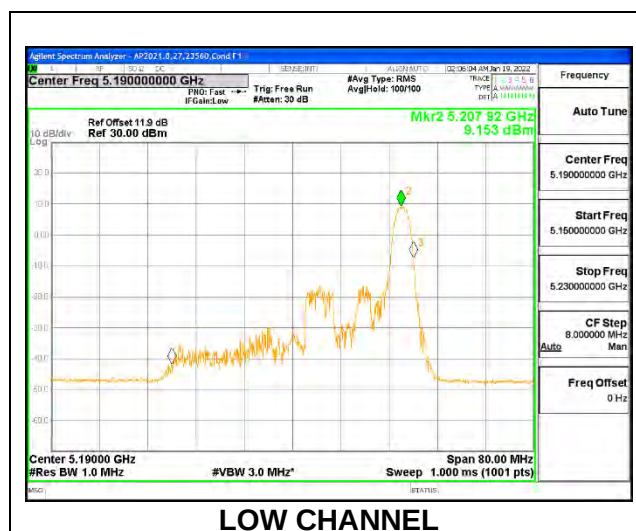
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.74	10.74	24.00	-13.26
High	5230	10.85	10.85	24.00	-13.15

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.153	9.153	11.00	-1.847
High	5230	8.728	8.728	11.00	-2.272



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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.40	24.00	11.00
High	5230	-1.40	24.00	11.00

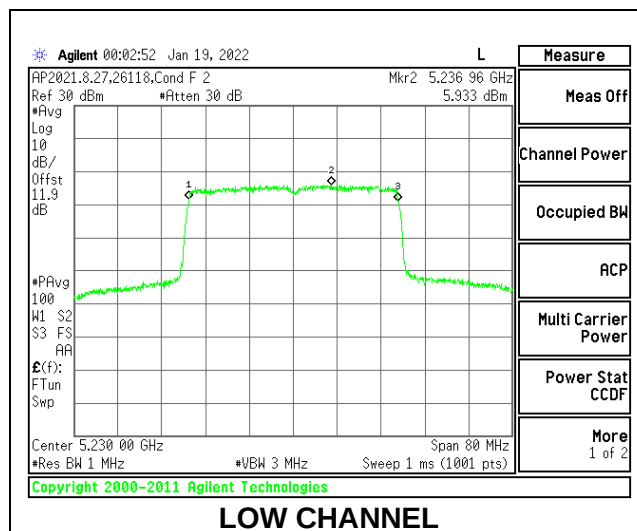
Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	14.90	14.90	24.00	-9.10
High	5230	20.33	20.33	24.00	-3.67

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.761	2.871	11.00	-8.129
High	5230	5.933	6.043	11.00	-4.957



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-2.10	24.00	11.00
High	5230	-2.10	24.00	11.00

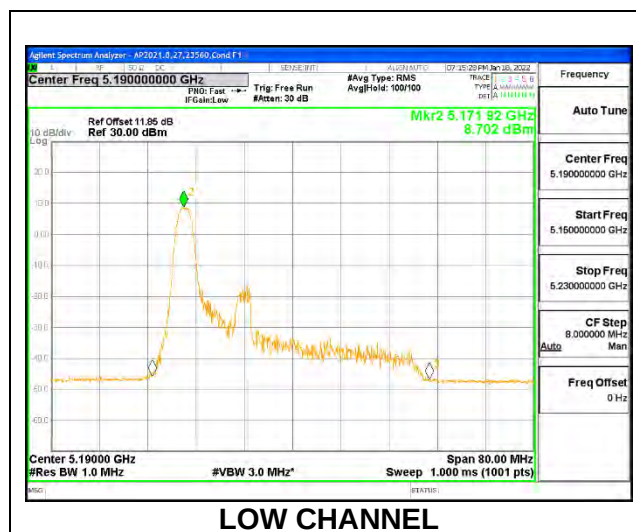
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.89	10.89	24.00	-13.11
High	5230	10.91	10.91	24.00	-13.09

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.702	8.702	11.00	-2.298
High	5230	8.737	8.737	11.00	-2.263



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-2.10	24.00	11.00
High	5230	-2.10	24.00	11.00

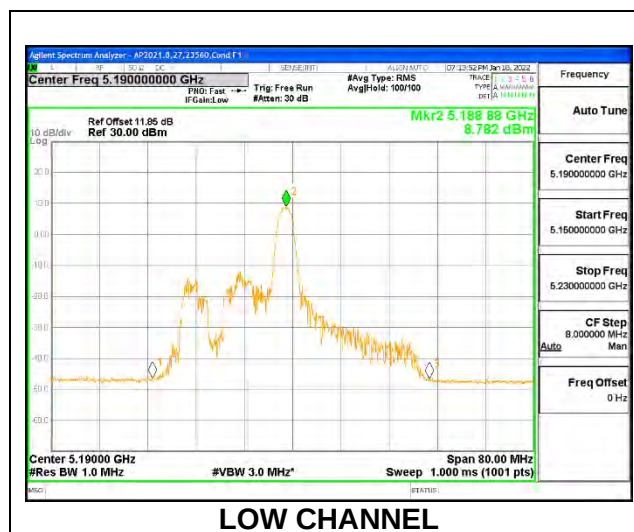
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.94	10.94	24.00	-13.06
High	5230	10.88	10.88	24.00	-13.12

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.782	8.782	11.00	-2.218
High	5230	8.813	8.813	11.00	-2.187



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 17

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-2.10	24.00	11.00
High	5230	-2.10	24.00	11.00

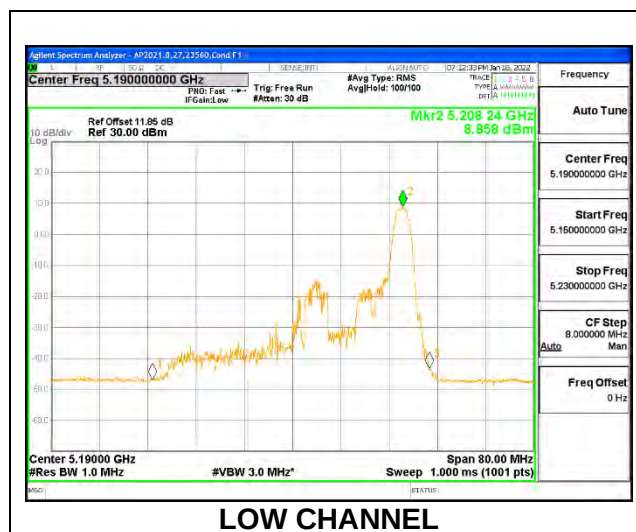
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	10.77	10.77	24.00	-13.23
High	5230	10.84	10.84	24.00	-13.16

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.858	8.858	11.00	-2.142
High	5230	8.737	8.737	11.00	-2.263



1TX Antenna 3 MODE (FCC) MOBILE – SU Mode

Test Engineer:	23560
Test Date:	09/22/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-2.10	24.00	11.00
High	5230	-2.10	24.00	11.00

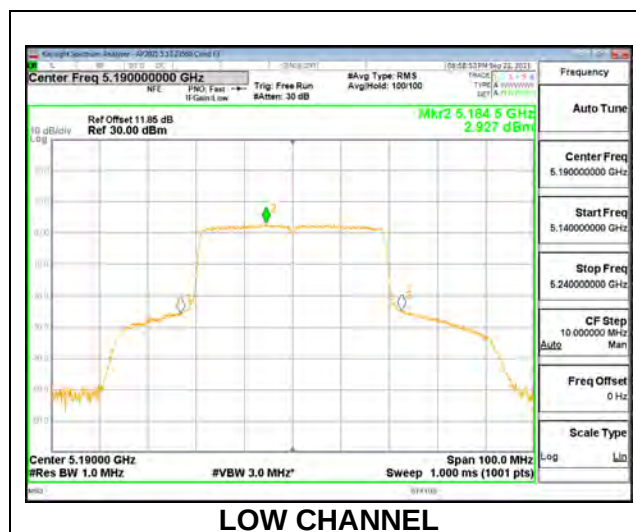
Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	14.89	14.89	24.00	-9.11
High	5230	20.19	20.19	24.00	-3.81

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.927	3.037	11.00	-7.963
High	5230	6.386	6.496	11.00	-4.504



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	26118; 23560
Test Date:	09/30/21; 09/24/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.74	1.27	24.00	11.00
High	5230	-1.74	1.27	24.00	11.00

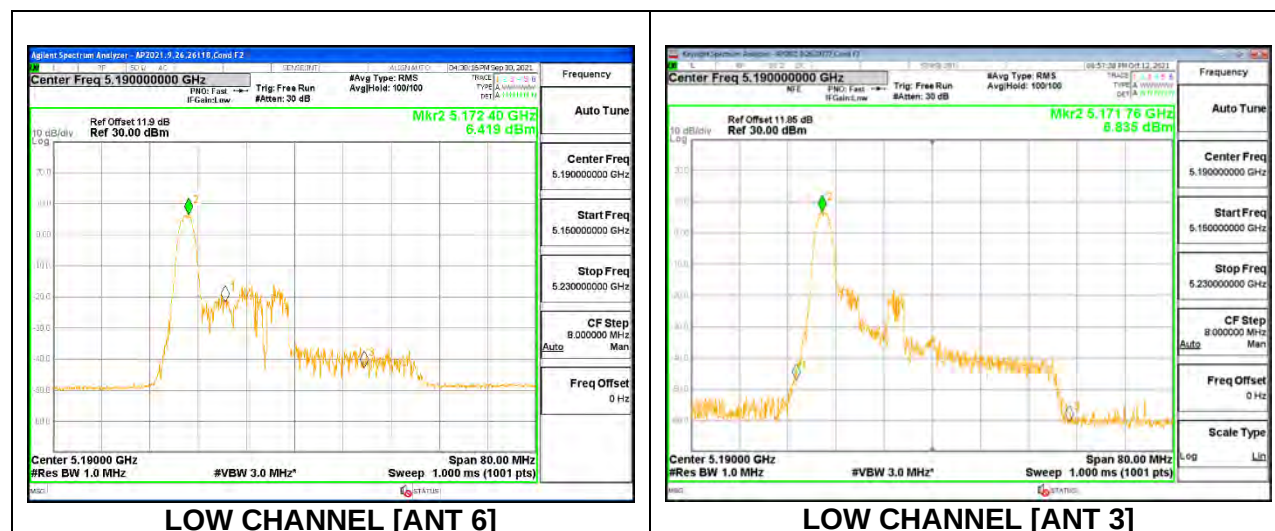
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.60	8.73	11.68	24.00	-12.32
High	5230	8.53	8.69	11.62	24.00	-12.38

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.419	6.835	9.642	11.00	-1.358
High	5230	6.275	6.669	9.487	11.00	-1.513



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8

Test Engineer:	26118; 20737
Test Date:	09/30/21; 10/12/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.74	1.27	24.00	11.00
High	5230	-1.74	1.27	24.00	11.00

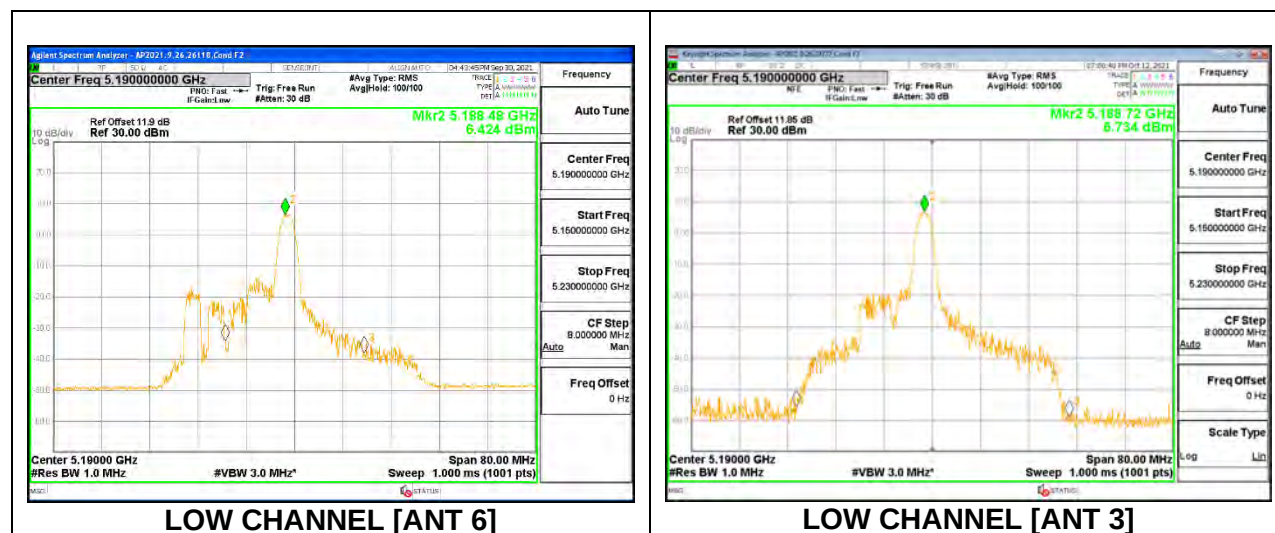
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.60	8.70	11.66	24.00	-12.34
High	5230	8.63	8.65	11.65	24.00	-12.35

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.424	6.734	9.592	11.00	-1.408
High	5230	6.589	6.553	9.581	11.00	-1.419



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 17

Test Engineer:	26118
Test Date:	09/30/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.74	1.27	24.00	11.00
High	5230	-1.74	1.27	24.00	11.00

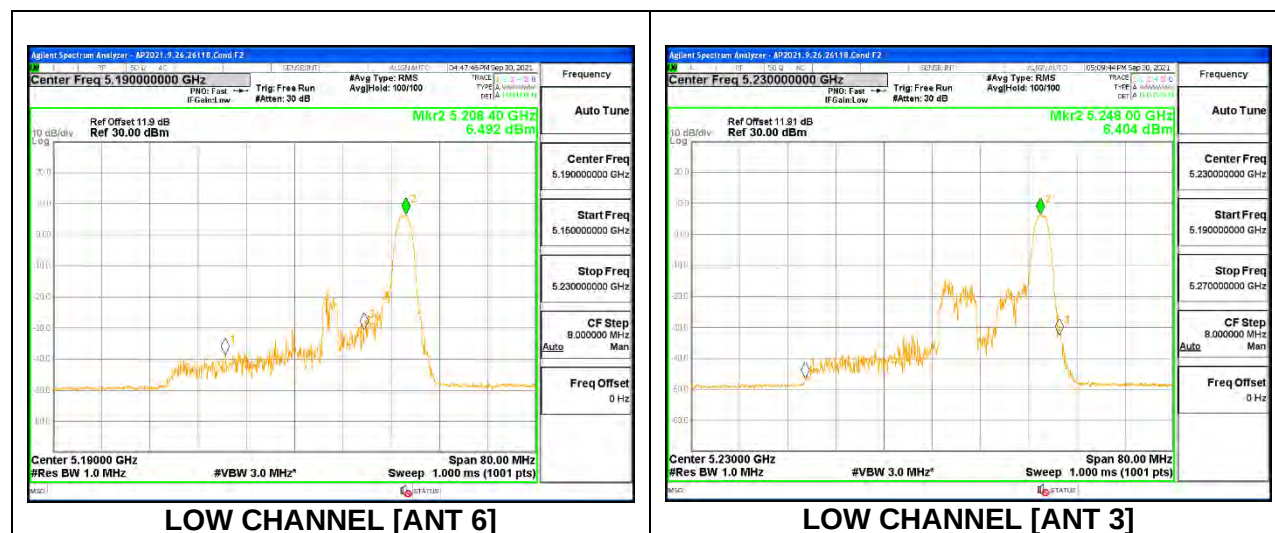
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.64	8.62	11.64	24.00	-12.36
High	5230	8.57	8.75	11.67	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	6.492	6.452	9.482	11.00	-1.518
High	5230	6.404	6.828	9.631	11.00	-1.369



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – SU Mode

Test Engineer:	26118; 23560
Test Date:	09/28/21; 09/23/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	-1.74	1.27	24.00	11.00
High	5230	-1.74	1.27	24.00	11.00

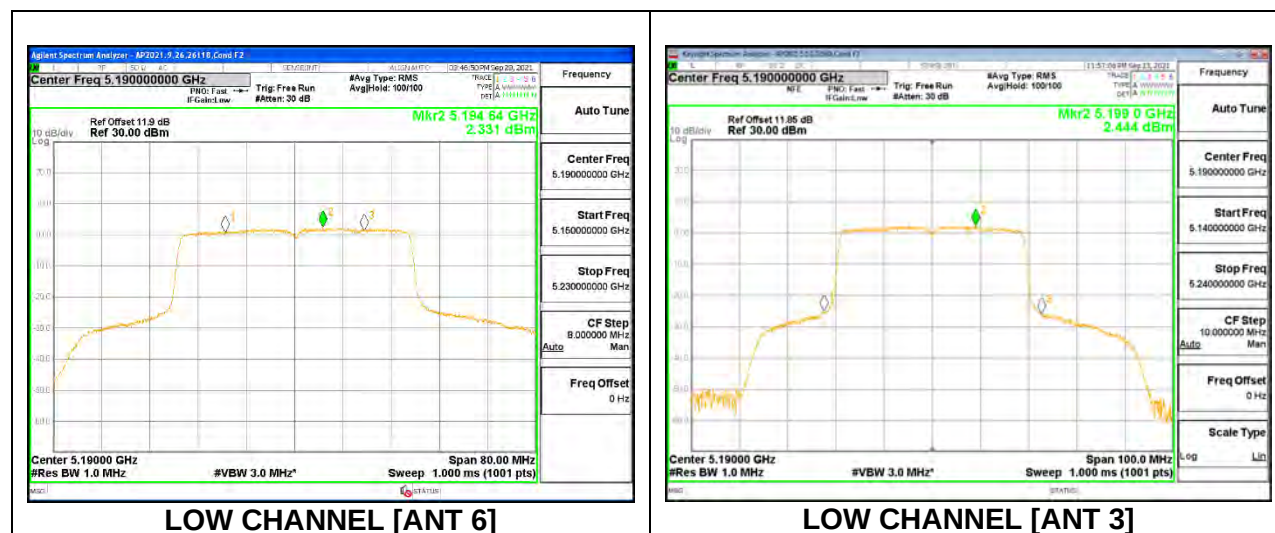
Duty Cycle CF (dB)	0.11	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	13.80	13.88	16.85	24.00	-7.15
High	5230	19.19	19.23	22.22	24.00	-1.78

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.331	2.444	5.508	11.00	-5.492
High	5230	4.955	5.287	8.244	11.00	-2.756



9.4.6. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.40	24.00	11.00

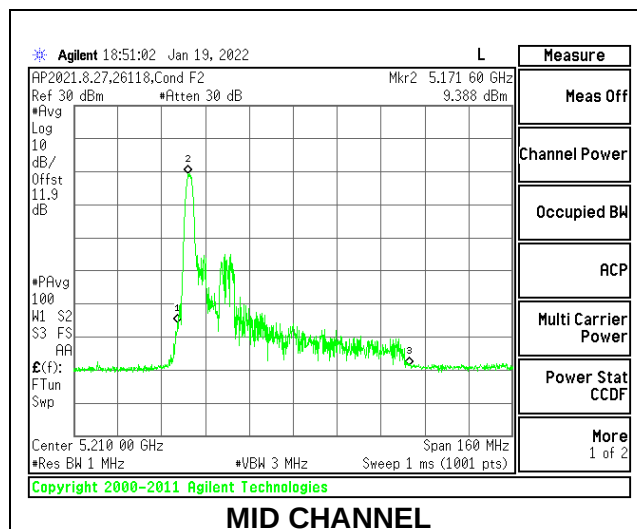
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	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)
Mid	5210	9.388	9.388	11.00	-1.612



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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.40	24.00	11.00

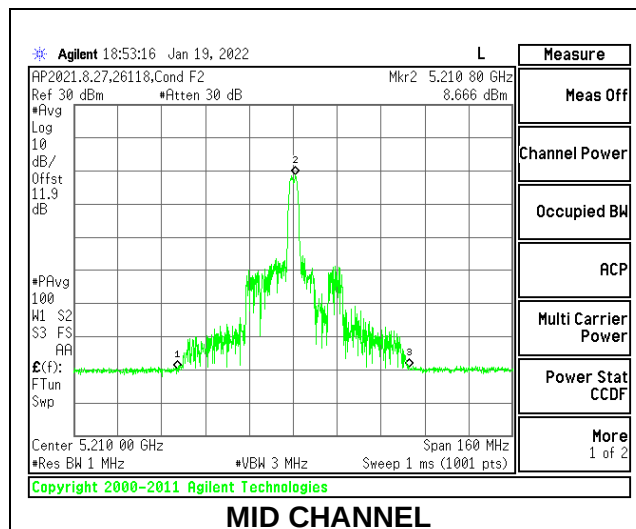
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.87	11.87	24.00	-12.13

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	8.666	8.666	11.00	-2.334



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

Test Engineer:	26118
Test Date:	01/19/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.40	24.00	11.00

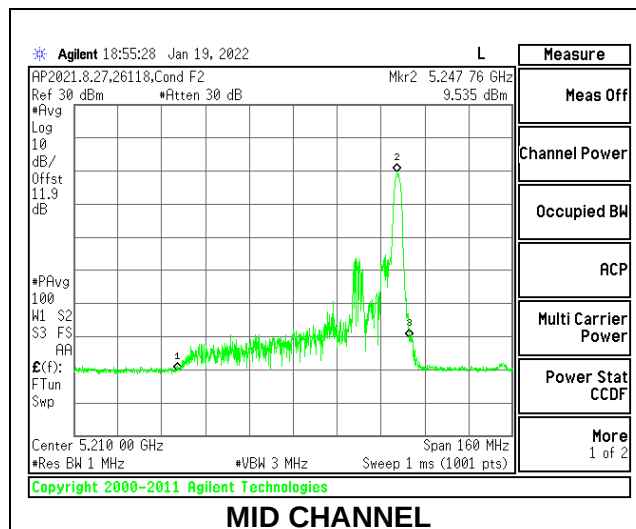
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.77	11.77	24.00	-12.23

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	9.535	9.535	11.00	-1.465



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

Test Engineer:	26118
Test Date:	09/30/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-1.40	24.00	11.00

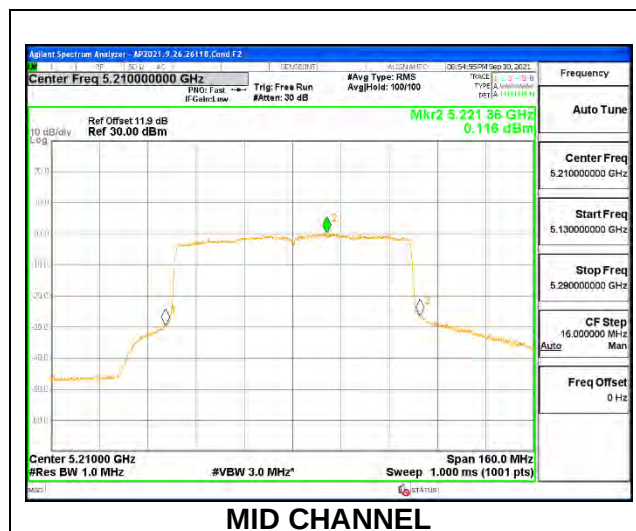
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.95	13.95	24.00	-10.05

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.116	0.116	11.00	-10.884



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-2.10	24.00	11.00

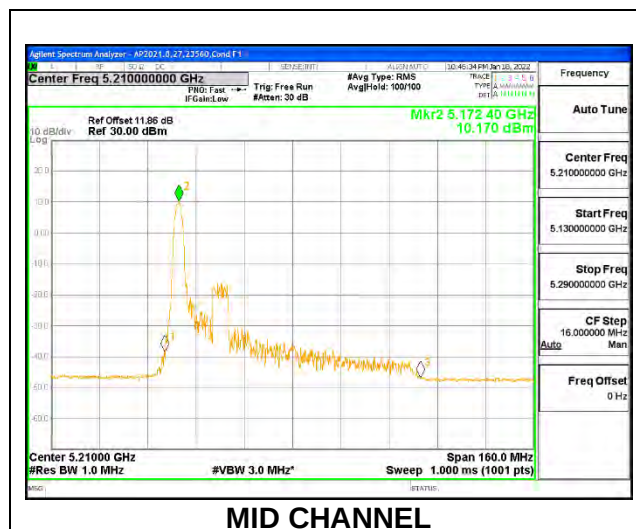
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.69	11.69	24.00	-12.31

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	10.170	10.170	11.00	-0.830



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 18

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-2.10	24.00	11.00

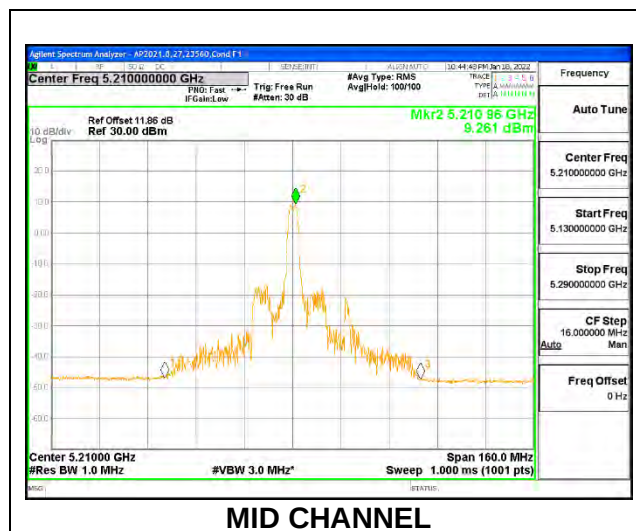
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.74	11.74	24.00	-12.26

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	9.261	9.261	11.00	-1.739



1TX Antenna 3 MODE (FCC) MOBILE – 26 Tones, RU Index 36

Test Engineer:	20737
Test Date:	01/18/2022

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-2.10	24.00	11.00

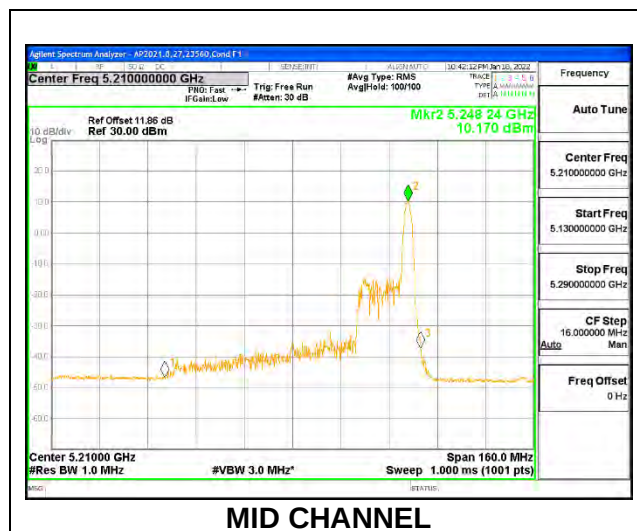
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	11.85	11.85	24.00	-12.15

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	10.170	10.170	11.00	-0.830



1TX Antenna 3 MODE (FCC) MOBILE – SU Mode

Test Engineer:	20737
Test Date:	09/30/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	-2.10	24.00	11.00

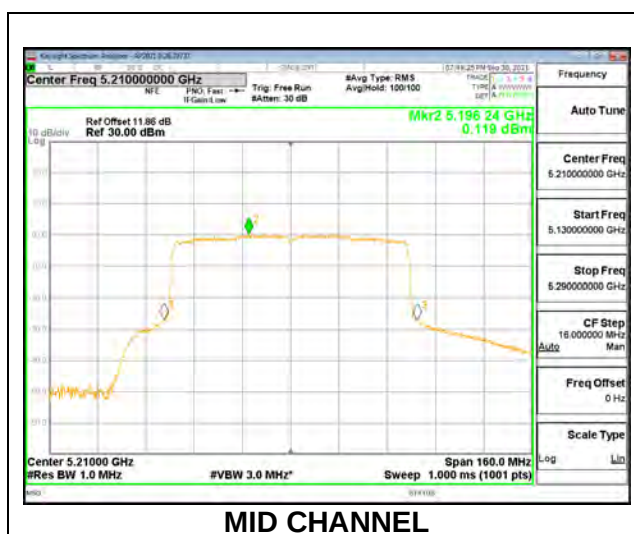
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.70	13.70	24.00	-10.30

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.119	0.119	11.00	-10.881



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0

Test Engineer:	26118
Test Date:	10/01/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-1.74	1.27	24.00	11.00

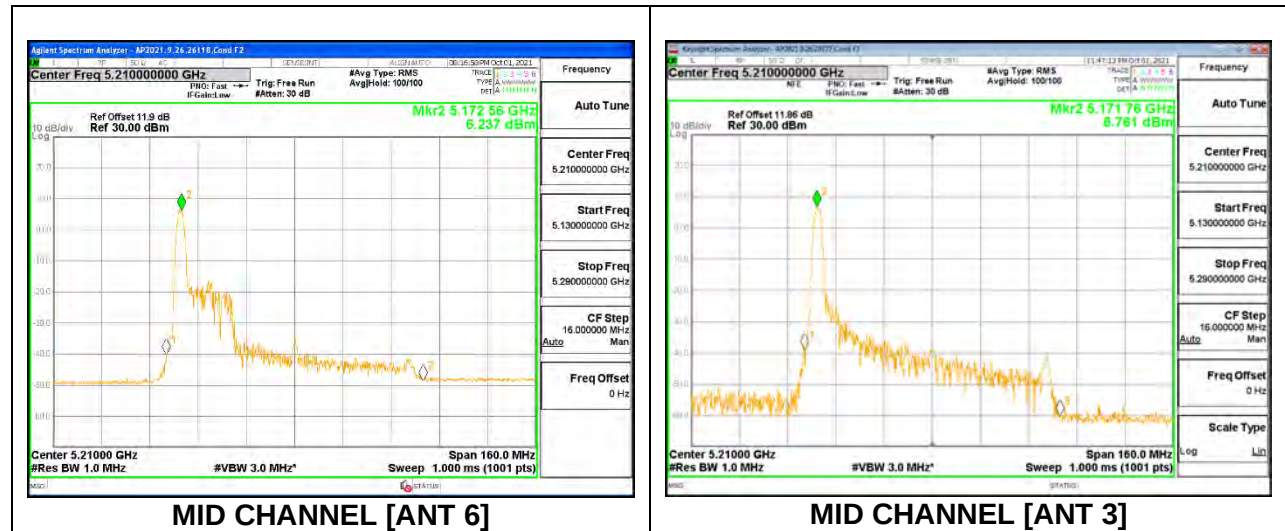
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	8.61	8.71	11.67	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	6.237	6.761	9.517	11.00	-1.483



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 18

Test Engineer:	26118
Test Date:	10/01/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-1.74	1.27	24.00	11.00

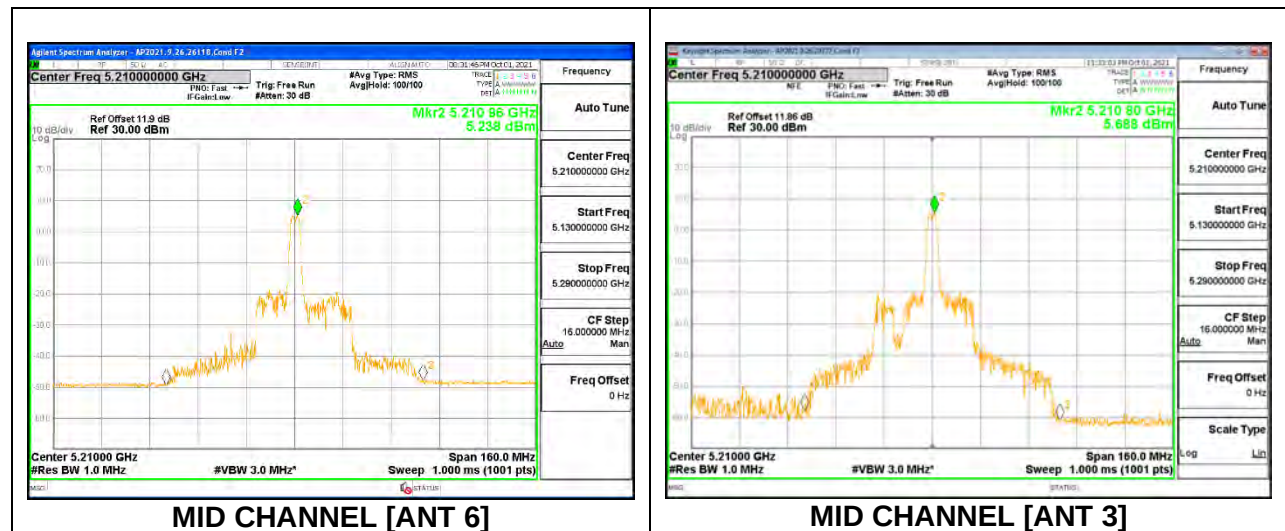
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	8.60	8.72	11.67	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	5.238	5.688	8.479	11.00	-2.521



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 36

Test Engineer:	26118
Test Date:	10/01/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-1.74	1.27	24.00	11.00

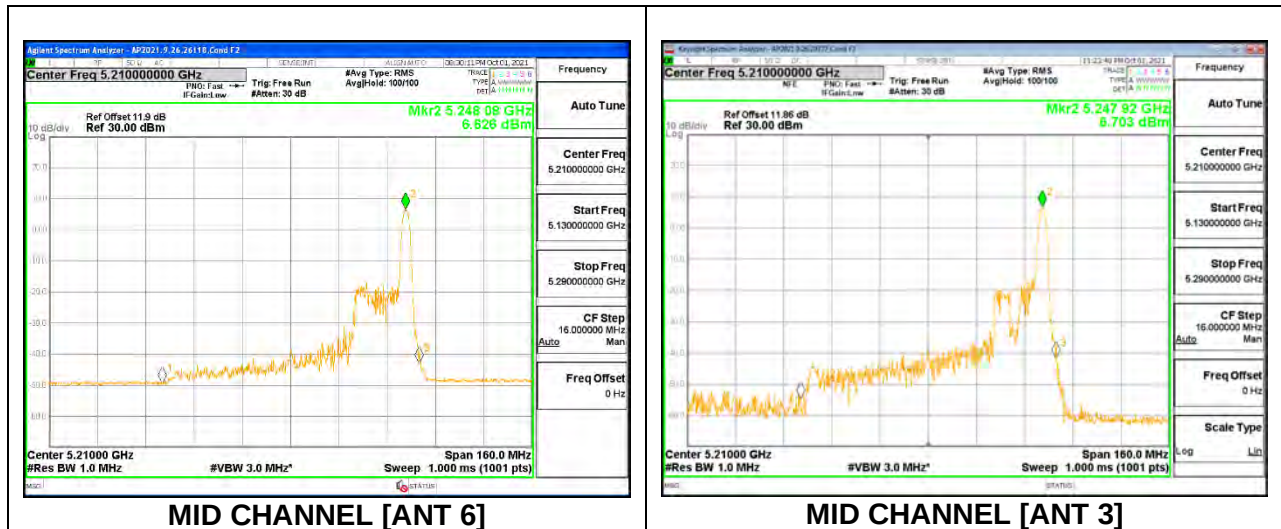
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	8.73	8.75	11.75	24.00	-12.25

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	6.626	6.703	9.675	11.00	-1.325



2TX Antenna 6 + Antenna 3 OFDMA MODE (FCC) MOBILE – SU Mode

Test Engineer:	26118
Test Date:	10/01/21

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	-1.74	1.27	24.00	11.00

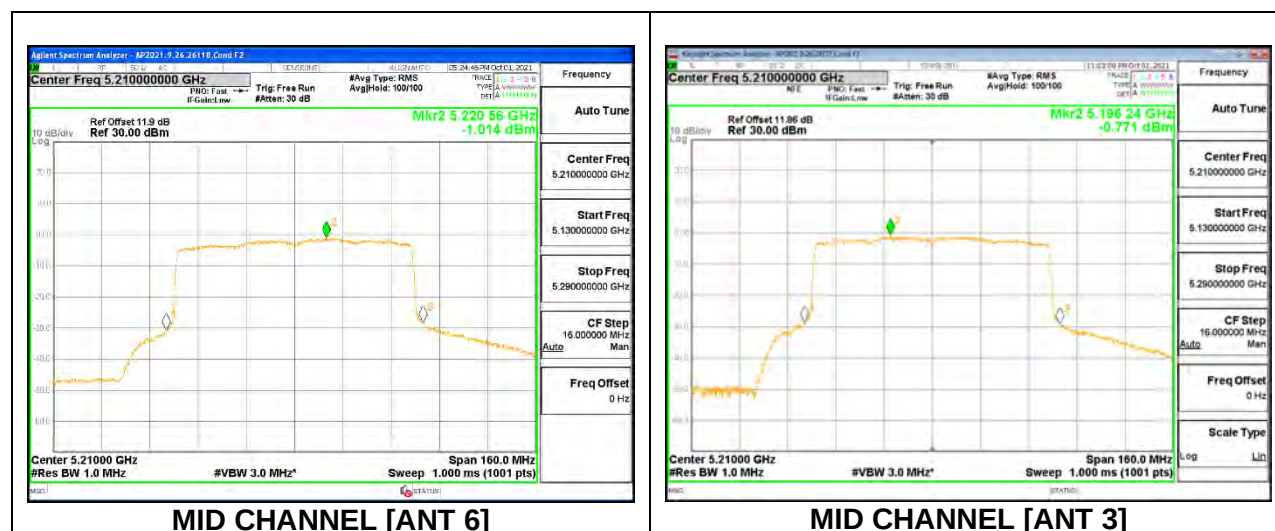
Duty Cycle CF (dB)	0.24	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	13.41	13.39	16.41	24.00	-7.59

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-1.014	-0.771	2.359	11.00	-8.641



9.4.7. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	26118
Test Date:	10/05/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.97	-2.10	24.00	11.00
Mid	5300	21.25	-2.10	24.00	11.00
High	5320	22.39	-2.10	24.00	11.00

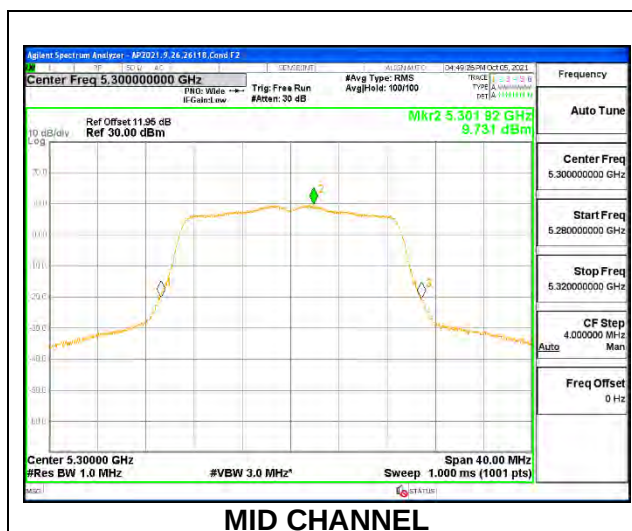
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.11	19.11	24.00	-4.89
Mid	5300	19.21	19.21	24.00	-4.79
High	5320	17.15	17.15	24.00	-6.85

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.556	9.556	11.00	-1.444
Mid	5300	9.731	9.731	11.00	-1.269
High	5320	7.427	7.427	11.00	-3.573



1TX Antenna 3 MODE (FCC)

Test Engineer:	20737
Test Date:	10/05/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.22	-2.10	24.00	11.00
Mid	5300	21.34	-2.10	24.00	11.00
High	5320	21.52	-2.10	24.00	11.00

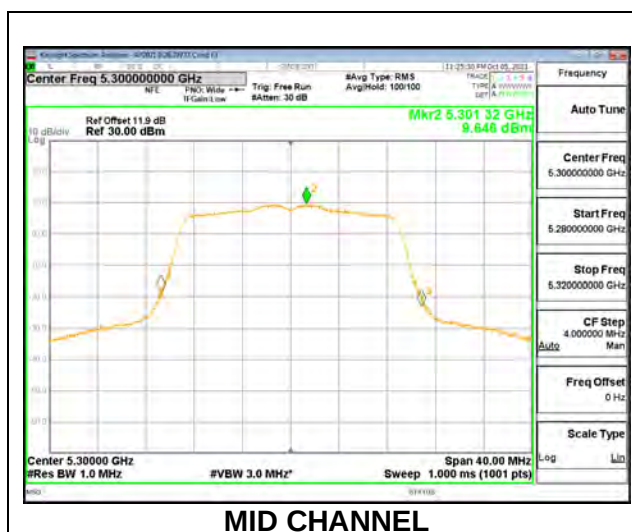
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.11	19.11	24.00	-4.89
Mid	5300	19.17	19.17	24.00	-4.83
High	5320	17.20	17.20	24.00	-6.80

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.576	9.576	11.00	-1.424
Mid	5300	9.646	9.646	11.00	-1.354
High	5320	7.376	7.376	11.00	-3.624



2TX Antenna 6 + Antenna 3 CDD MODE (FCC)

Test Engineer:	26118; 20737
Test Date:	10/05/21; 10/06/21

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	5260	20.79	-1.34	1.64	24.00	11.00
Mid	5300	21.03	-1.34	1.64	24.00	11.00
High	5320	21.71	-1.34	1.64	24.00	11.00

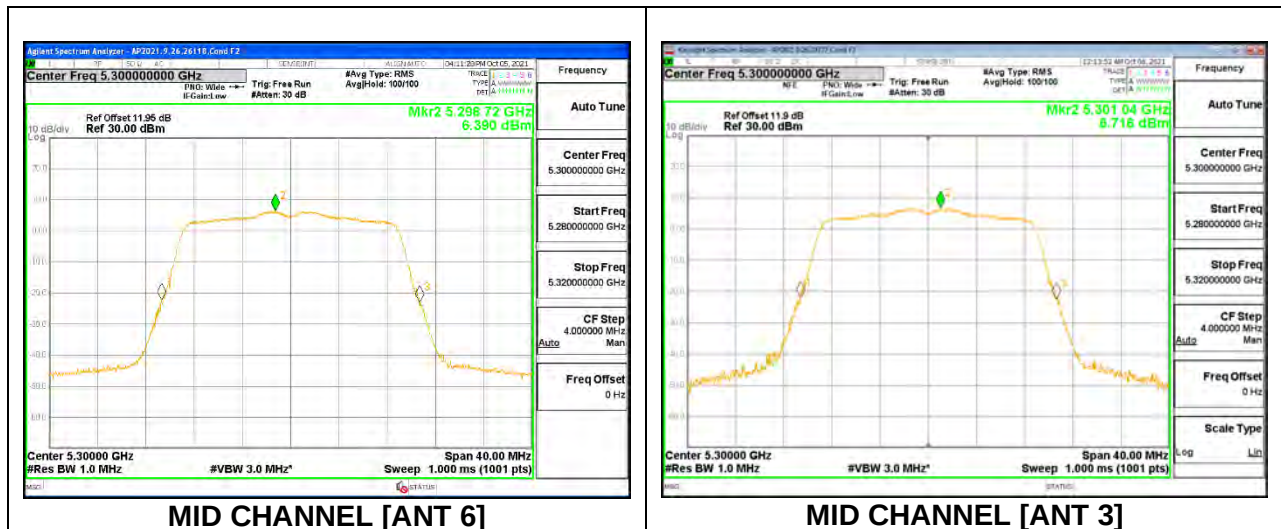
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	16.15	16.23	19.20	24.00	-4.80
Mid	5300	16.18	16.24	19.22	24.00	-4.78
High	5320	16.18	16.19	19.20	24.00	-4.80

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	6.350	6.709	9.544	11.00	-1.456
Mid	5300	6.390	6.716	9.566	11.00	-1.434
High	5320	6.393	6.490	9.452	11.00	-1.548



9.4.8. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	23560
Test Date:	01/18/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	41.38	-2.10	24.00	11.00
High	5310	43.57	-2.10	24.00	11.00

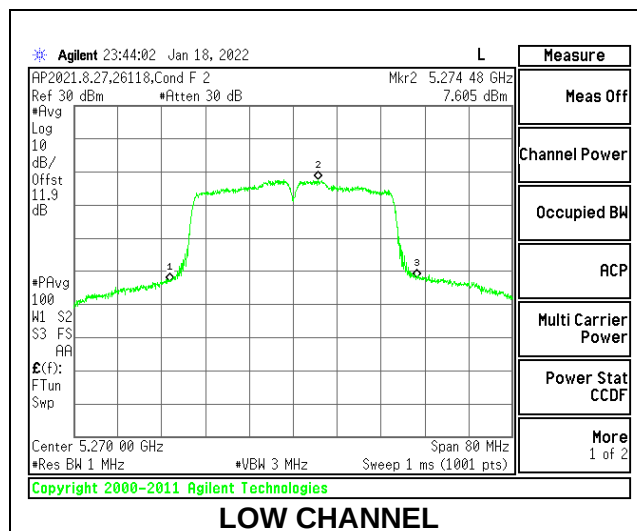
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.20	20.20	24.00	-3.80
High	5310	16.34	16.34	24.00	-7.66

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.605	7.605	11.00	-3.395
High	5310	4.414	4.414	11.00	-6.586



1TX Antenna 3 MODE (FCC)

Test Engineer:	23560
Test Date:	01/18/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	41.05	-0.70	24.00	11.00
High	5310	43.34	-0.70	24.00	11.00

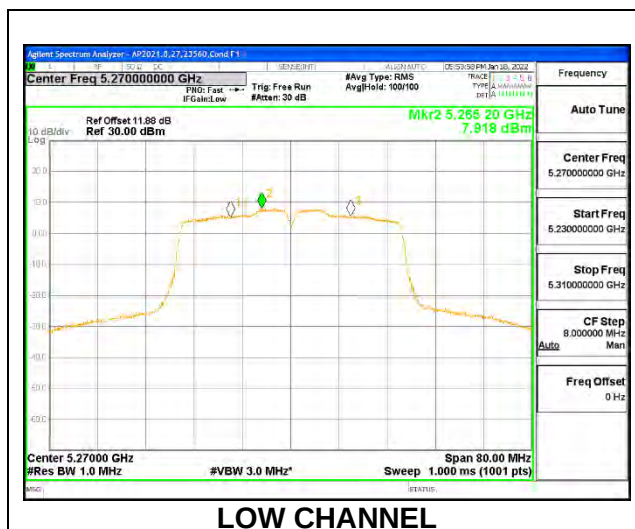
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	20.33	20.33	24.00	-3.67
High	5310	16.21	16.21	24.00	-7.79

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	7.918	8.018	11.00	-2.982
High	5310	4.746	4.746	11.00	-6.254



2TX Antenna 6 + Antenna 3 CDD MODE (FCC)

Test Engineer:	23560
Test Date:	09/15/21

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	5270	40.47	-1.34	1.64	24.00	11.00
High	5310	36.31	-1.34	1.64	24.00	11.00

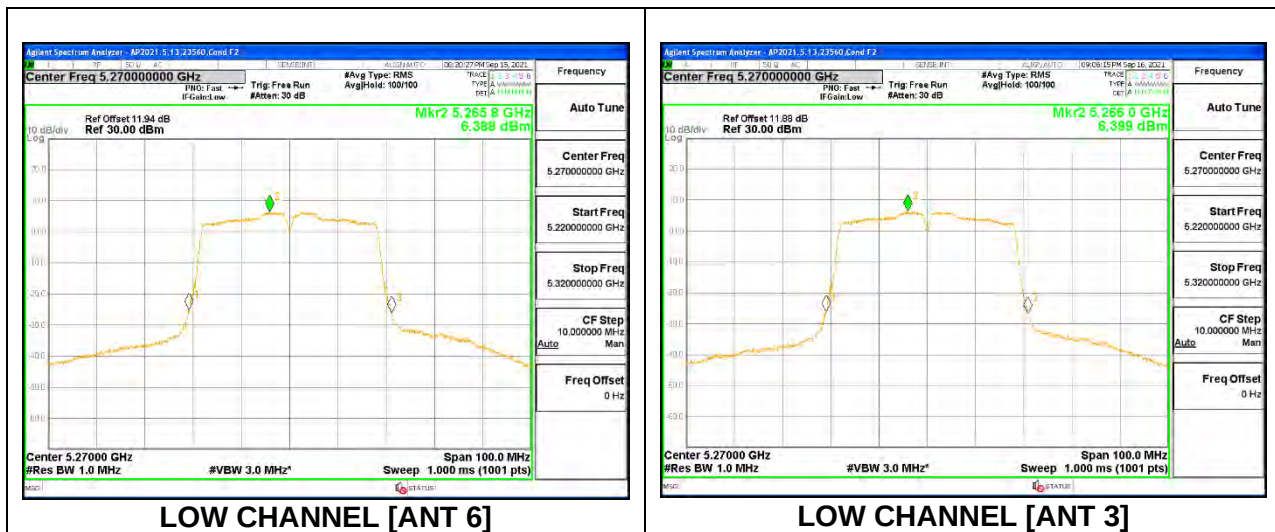
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	19.20	19.22	22.22	24.00	-1.78
High	5310	15.90	15.88	18.90	24.00	-5.10

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	6.388	6.399	9.504	11.00	-1.496
High	5310	3.402	3.321	6.472	11.00	-4.528



9.4.9. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna 6 MODE (FCC)

Test Engineer:	23560
Test Date:	09/15/21

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	84.49	-2.10	24.00	11.00

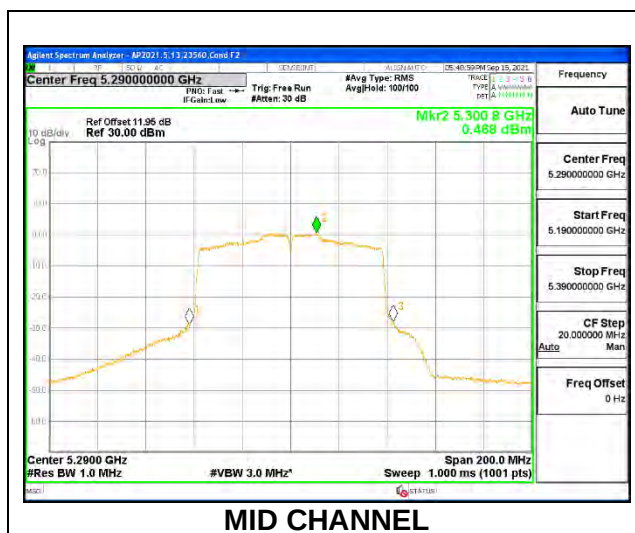
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.88	15.88	24.00	-8.12

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	0.468	0.668	11.00	-10.332



1TX Antenna 3 MODE (FCC)

Test Engineer:	23560
Test Date:	09/17/21

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	84.90	-0.70	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.69	15.69	24.00	-8.31

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	0.418	0.618	11.00	-10.382



2TX Antenna 6 + Antenna 3 CDD MODE (FCC)

Test Engineer:	23560
Test Date:	09/15/21; 09/17/21

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	82.88	-1.34	1.64	24.00	11.00

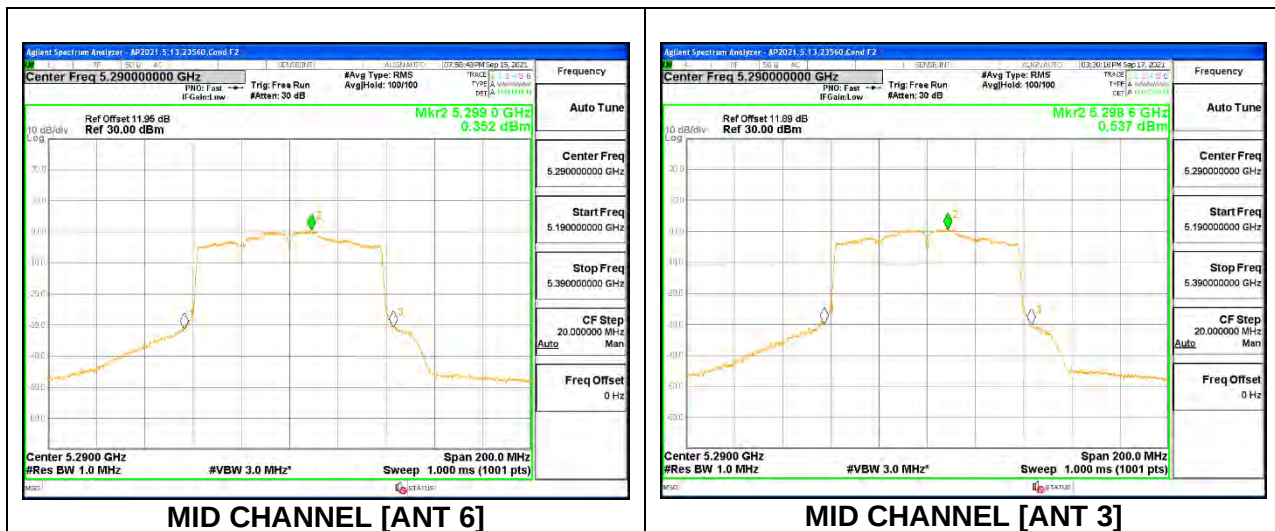
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	15.42	15.35	18.40	24.00	-5.60

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	0.352	0.537	3.656	11.00	-7.344



9.4.10. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

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

Test Engineer:	26118
Test Date:	01/18/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.29	-2.10	24.00	11.00
Mid	5300	20.20	-2.10	24.00	11.00
High	5320	20.03	-2.10	24.00	11.00

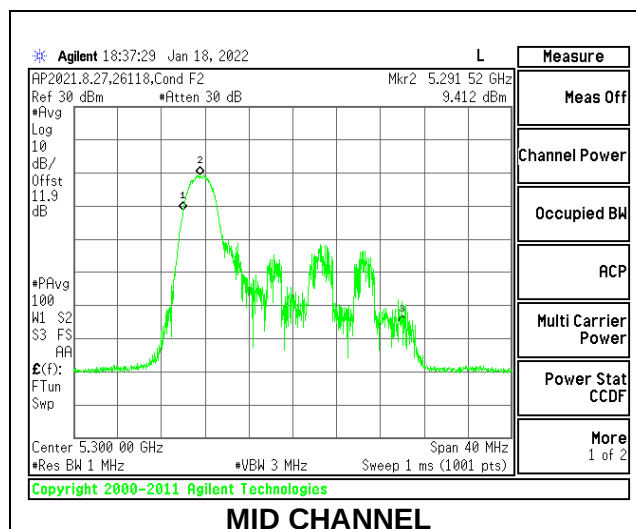
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.82	11.82	24.00	-12.18
Mid	5300	11.75	11.75	24.00	-12.25
High	5320	11.95	11.95	24.00	-12.05

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.623	9.623	11.00	-1.377
Mid	5300	9.412	9.412	11.00	-1.588
High	5320	9.878	9.878	11.00	-1.122



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

Test Engineer:	26118
Test Date:	01/18/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.29	-2.10	23.85	11.00
Mid	5300	19.05	-2.10	23.80	11.00
High	5320	19.33	-2.10	23.86	11.00

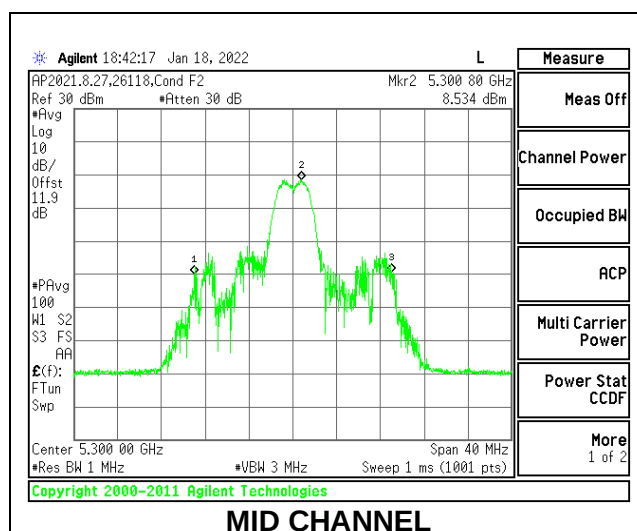
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.90	11.90	23.85	-11.95
Mid	5300	11.68	11.68	23.80	-12.12
High	5320	11.73	11.73	23.86	-12.13

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	8.785	8.785	11.00	-2.215
Mid	5300	8.534	8.534	11.00	-2.466
High	5320	8.660	8.660	11.00	-2.340



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

Test Engineer:	26118
Test Date:	01/18/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.62	-2.10	24.00	11.00
Mid	5300	20.66	-2.10	24.00	11.00
High	5320	20.74	-2.10	24.00	11.00

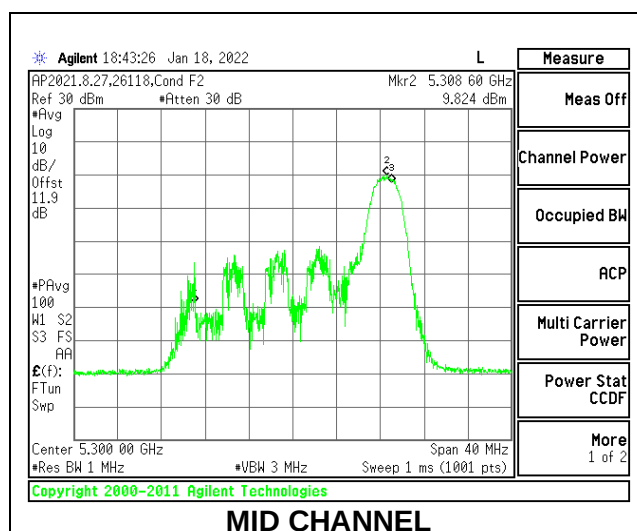
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.78	11.78	24.00	-12.22
Mid	5300	11.78	11.78	24.00	-12.22
High	5320	11.65	11.65	24.00	-12.35

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.824	9.824	11.00	-1.176
Mid	5300	9.824	9.824	11.00	-1.176
High	5320	9.628	9.628	11.00	-1.372



1TX Antenna 6 MODE (FCC) – SU Mode

Test Engineer:	26118
Test Date:	09/22/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.26	-2.10	24.00	11.00
Mid	5300	21.13	-2.10	24.00	11.00
High	5320	22.31	-2.10	24.00	11.00

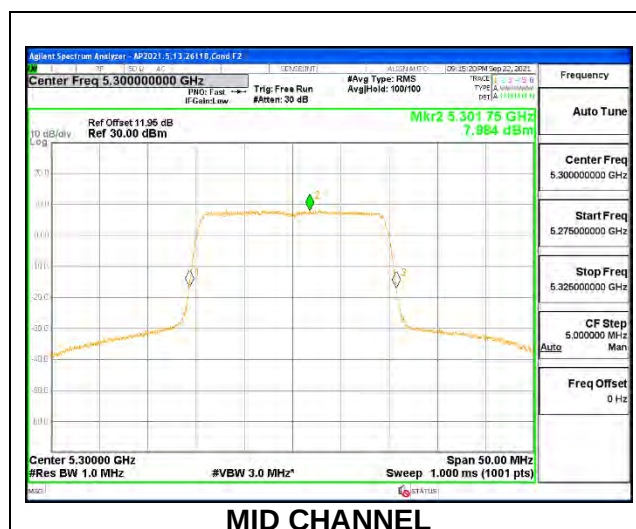
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.45	19.45	24.00	-4.55
Mid	5300	19.40	19.40	24.00	-4.60
High	5320	14.90	14.90	24.00	-9.10

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	5260	8.256	8.256	11.00	-2.744
Mid	5300	7.984	7.984	11.00	-3.016
High	5320	3.855	3.855	11.00	-7.145



1TX Antenna 3 MODE (FCC) – 26 Tones, RU Index 0

Test Engineer:	26118
Test Date:	01/14/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.18	-0.70	24.00	11.00
Mid	5300	20.16	-0.70	24.00	11.00
High	5320	20.15	-0.70	24.00	11.00

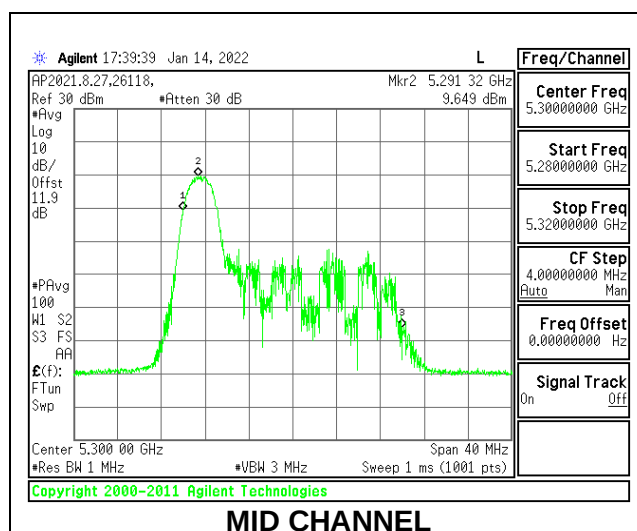
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.85	11.85	24.00	-12.15
Mid	5300	11.72	11.72	24.00	-12.28
High	5320	11.82	11.82	24.00	-12.18

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.673	9.673	11.00	-1.327
Mid	5300	9.649	9.649	11.00	-1.351
High	5320	9.671	9.671	11.00	-1.329



1TX Antenna 3 MODE (FCC) – 26 Tones, RU Index 4

Test Engineer:	26118
Test Date:	01/14/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	19.46	-0.70	23.89	11.00
Mid	5300	19.42	-0.70	23.88	11.00
High	5320	19.39	-0.70	23.88	11.00

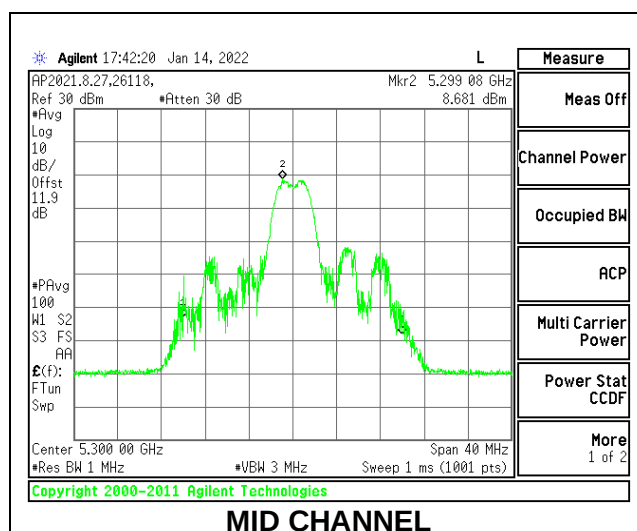
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.88	11.88	23.89	-12.01
Mid	5300	11.68	11.68	23.88	-12.20
High	5320	11.75	11.75	23.88	-12.13

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	8.967	8.967	11.00	-2.033
Mid	5300	8.681	8.681	11.00	-2.319
High	5320	8.867	8.867	11.00	-2.133



1TX Antenna 3 MODE (FCC) – 26 Tones, RU Index 8

Test Engineer:	26118
Test Date:	01/14/2022

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	20.78	-0.70	24.00	11.00
Mid	5300	20.73	-0.70	24.00	11.00
High	5320	20.15	-0.70	24.00	11.00

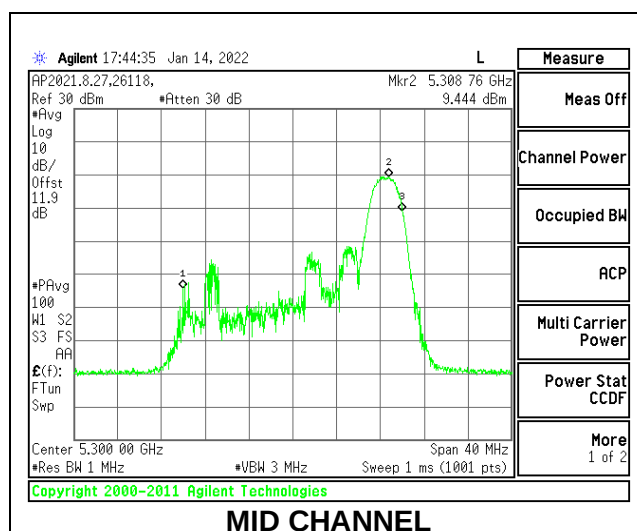
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	11.82	11.82	24.00	-12.18
Mid	5300	11.79	11.79	24.00	-12.21
High	5320	11.90	11.90	24.00	-12.10

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	9.560	9.560	11.00	-1.440
Mid	5300	9.444	9.444	11.00	-1.556
High	5320	9.643	9.643	11.00	-1.357



1TX Antenna 3 MODE (FCC) – SU Mode

Test Engineer:	26118
Test Date:	09/20/21

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.13	-0.70	24.00	11.00
Mid	5300	21.26	-0.70	24.00	11.00
High	5320	21.62	-0.70	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.47	19.47	24.00	-4.53
Mid	5300	19.53	19.53	24.00	-4.47
High	5320	14.89	14.89	24.00	-9.11

PSD Results

Channel	Frequency (MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	8.274	8.274	11.00	-2.726
Mid	5300	8.594	8.594	11.00	-2.406
High	5320	3.976	3.976	11.00	-7.024

