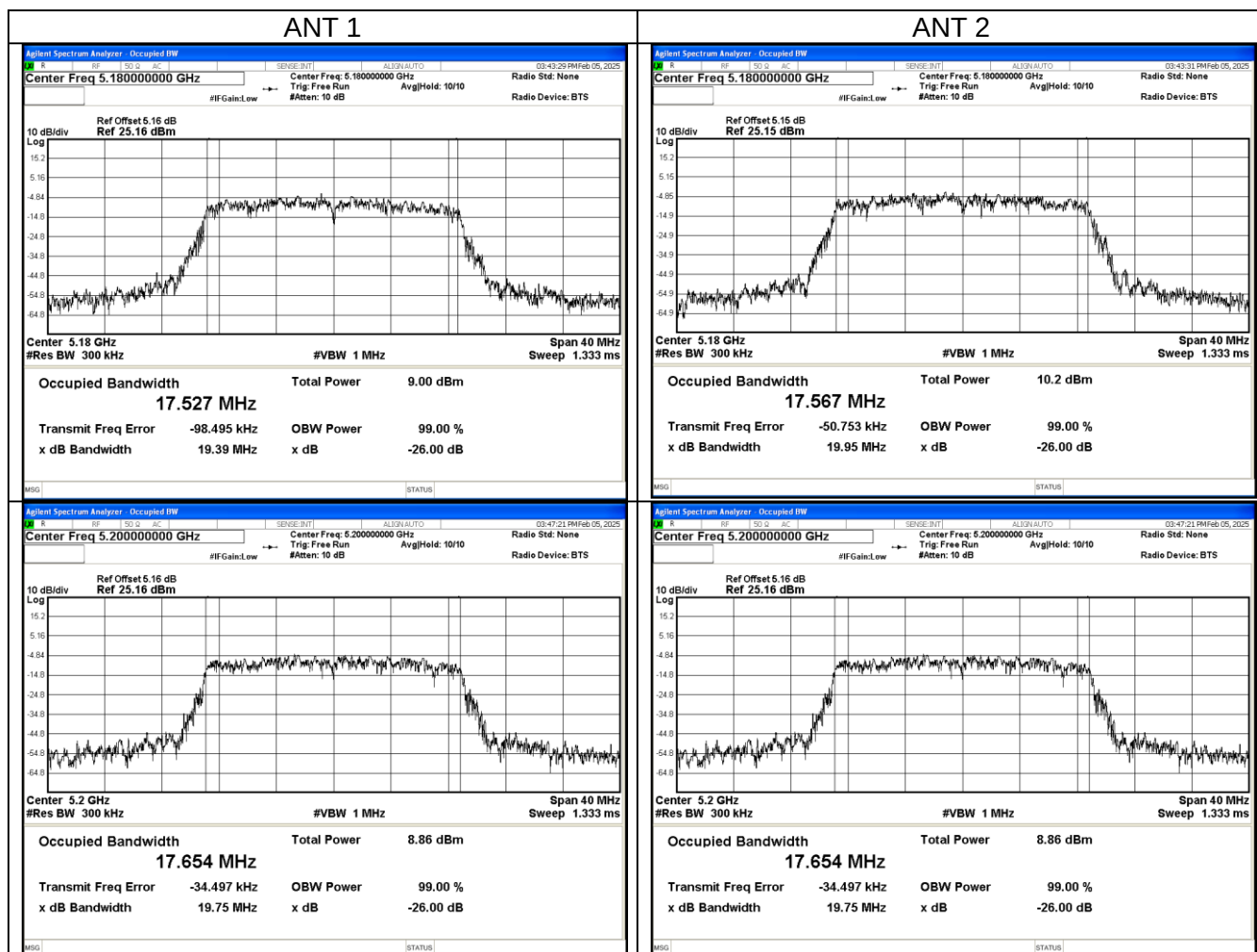
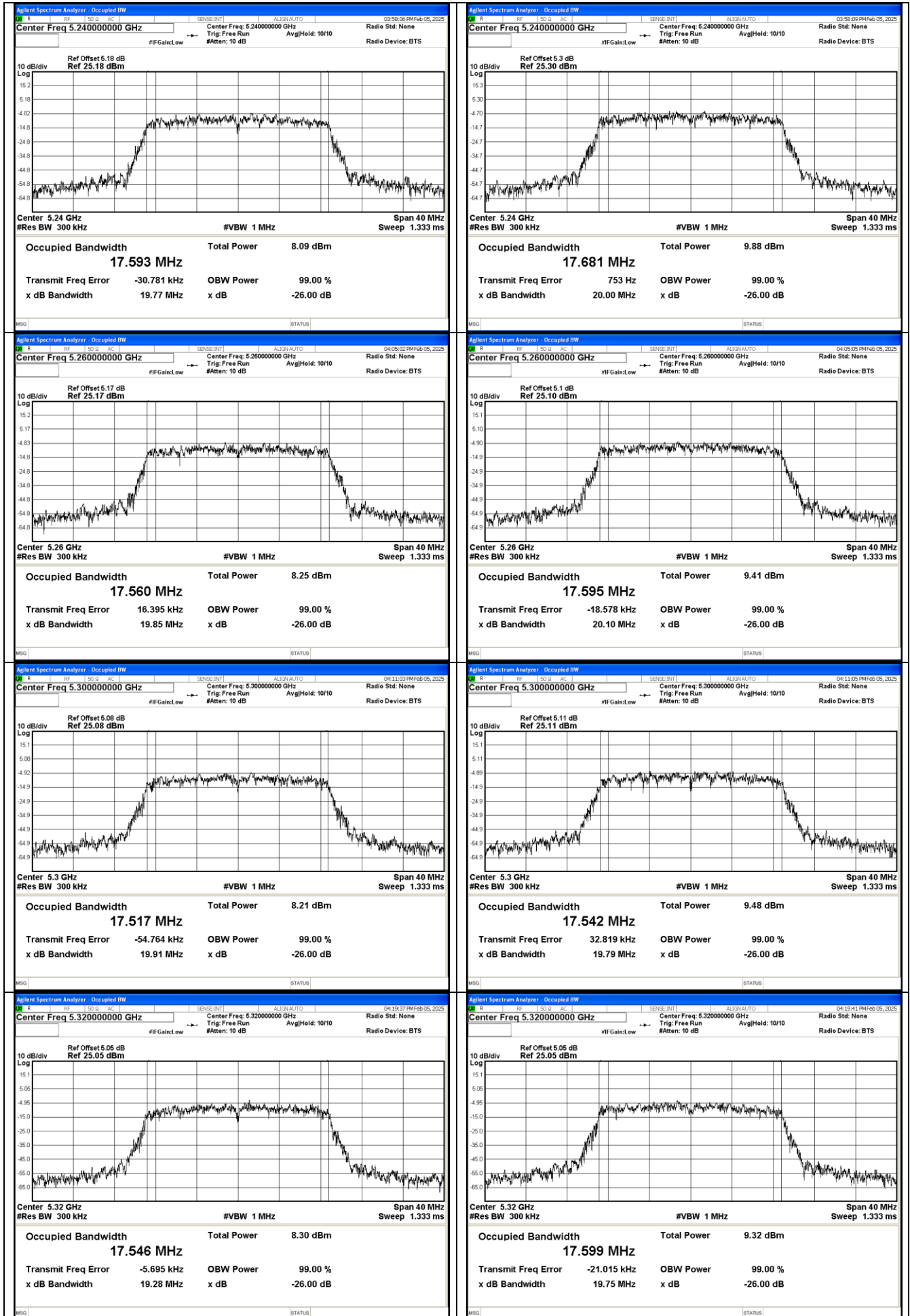
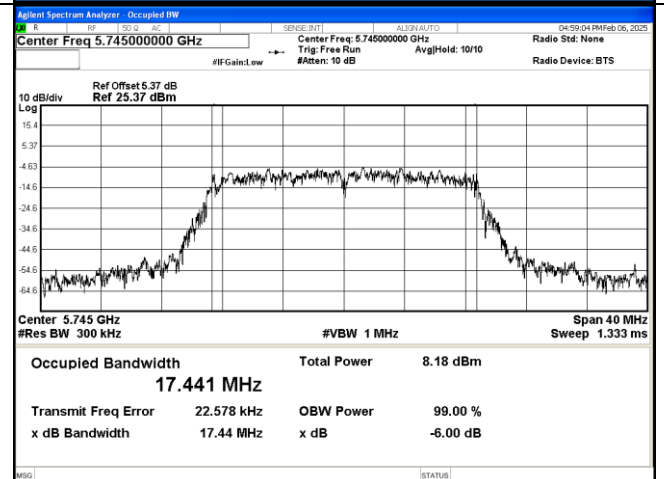
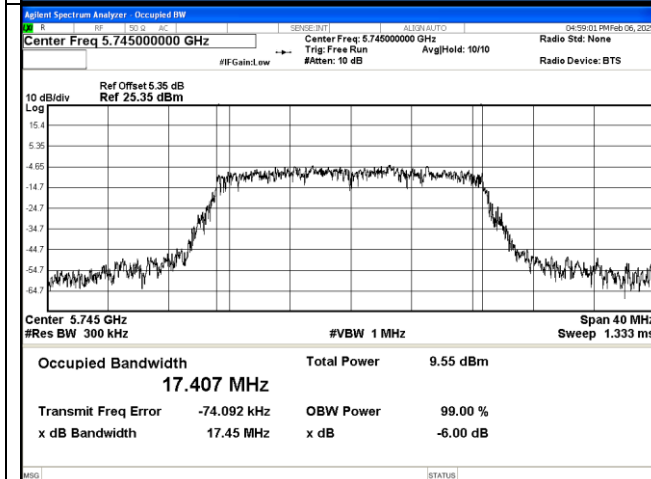
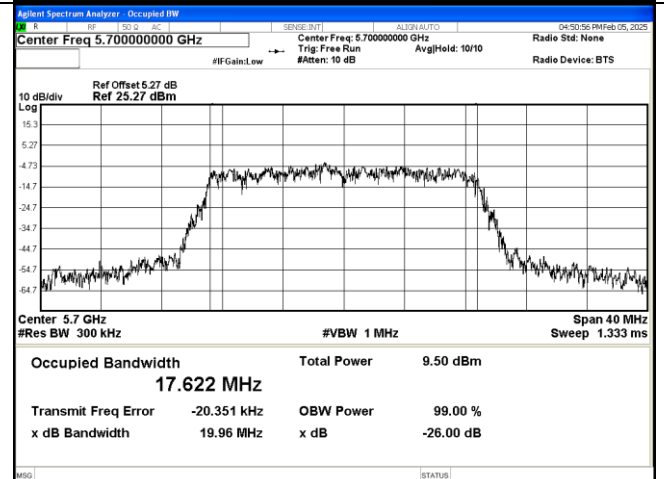
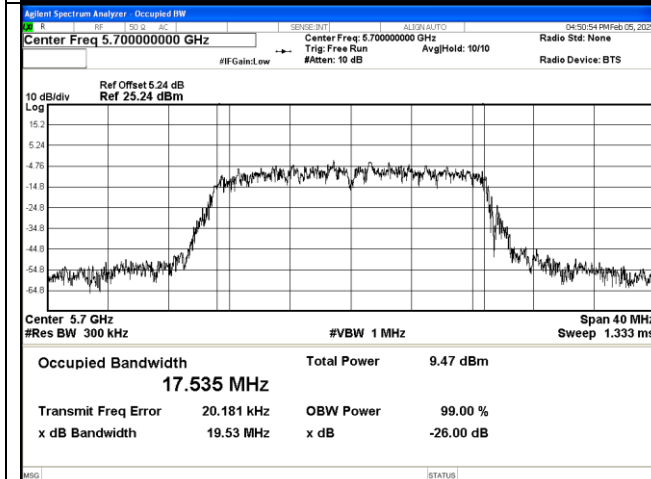
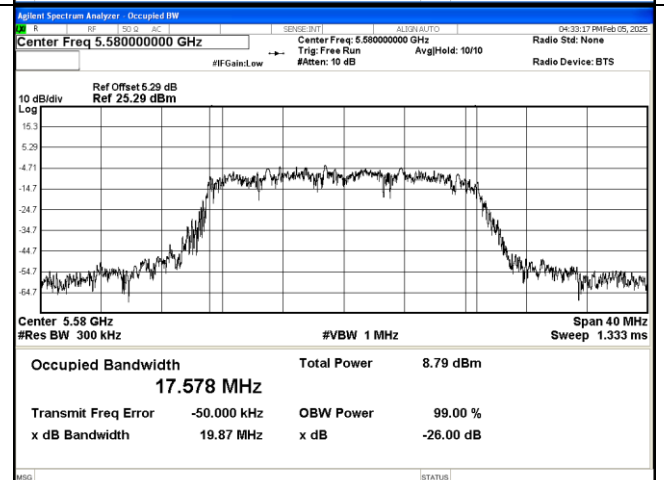
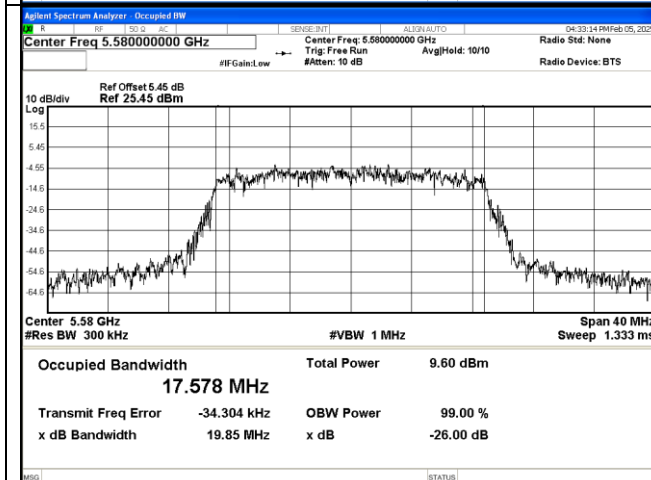
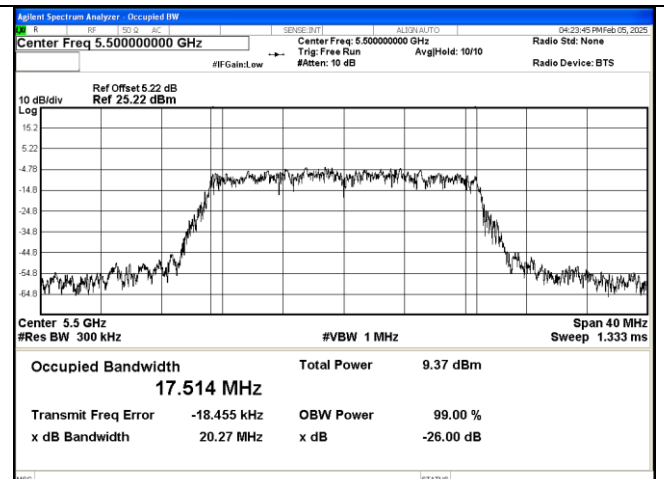
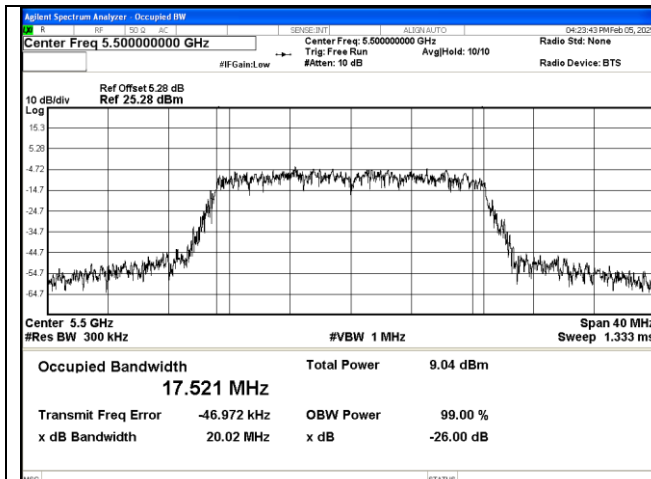


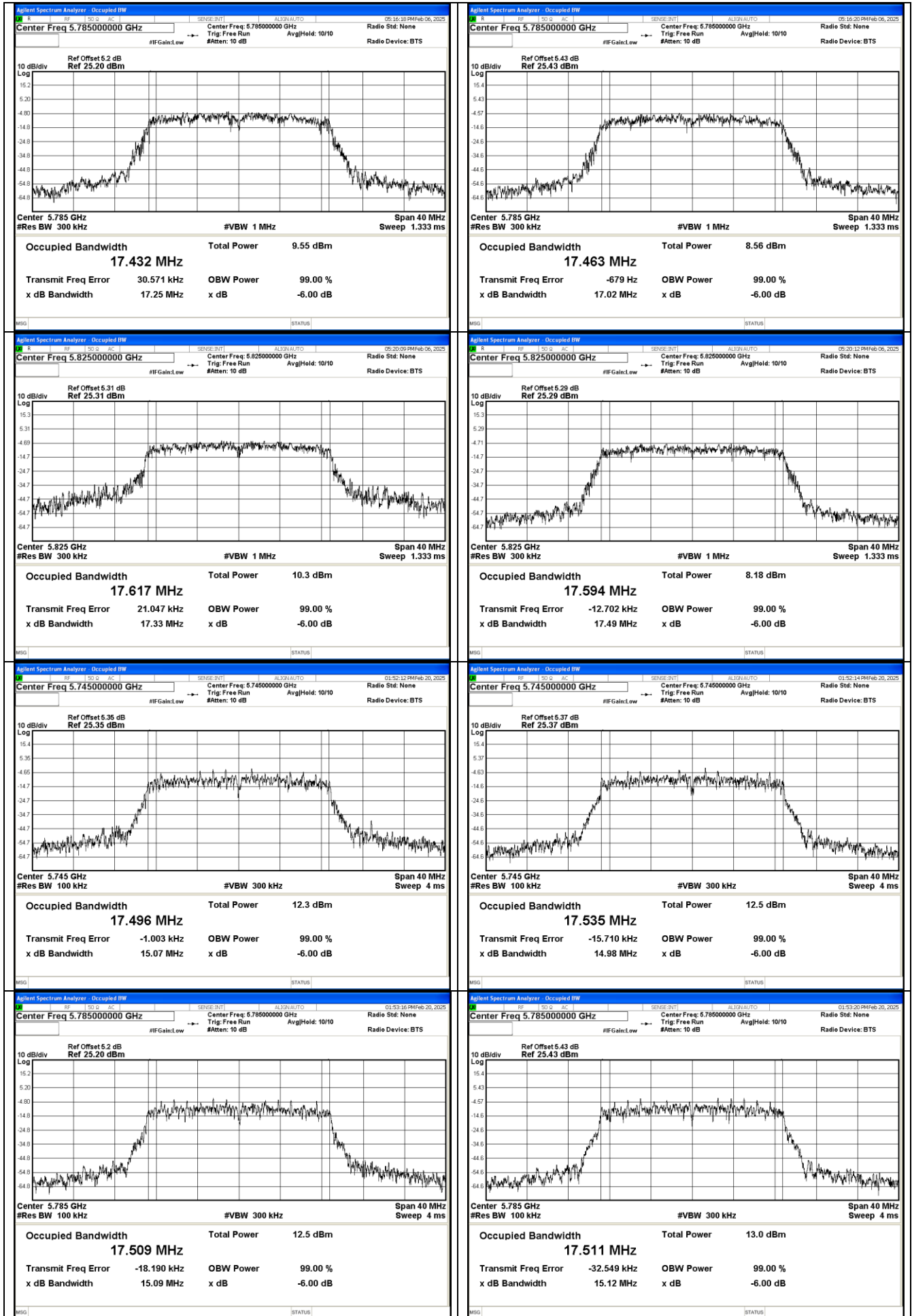
802.11ac VHT20 mode:					
Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
36	5180	17.527	19.39	17.567	19.95
44	5200	17.654	19.75	17.579	19.64
48	5240	17.593	19.77	17.681	20.00
52	5260	17.560	19.85	17.595	20.10
56	5300	17.517	19.91	17.542	19.79
64	5320	17.546	19.28	17.599	19.75
100	5500	17.521	20.02	17.514	20.27
116	5580	17.578	19.85	17.578	19.87
140	5700	17.535	19.53	17.622	19.96

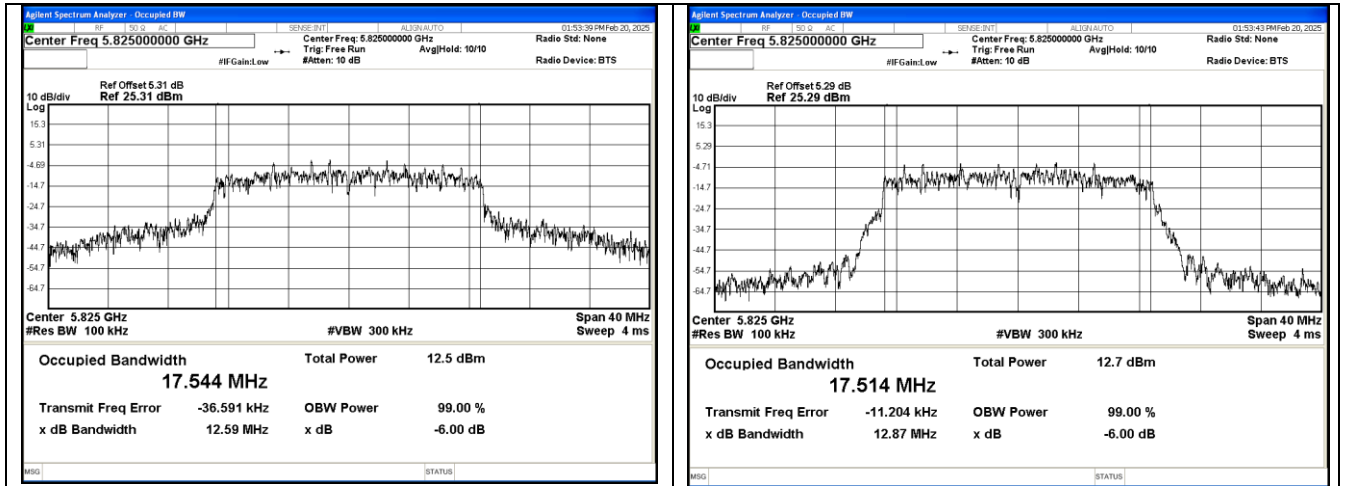
Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
149	5745	17.407	15.07	17.441	14.98
157	5785	17.432	15.09	17.463	15.12
165	5825	17.617	12.59	17.594	12.87







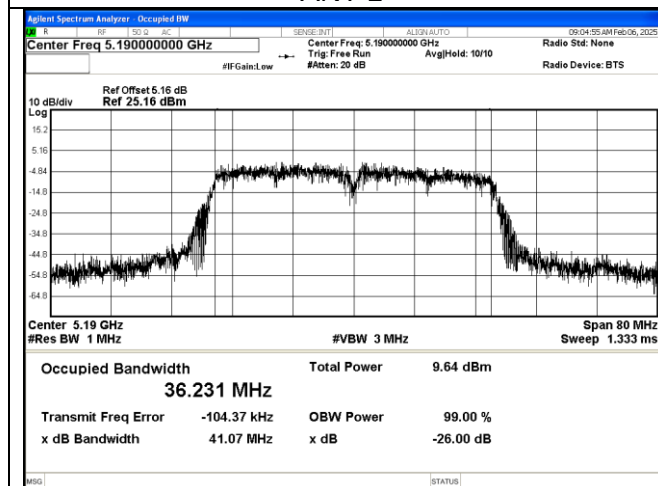
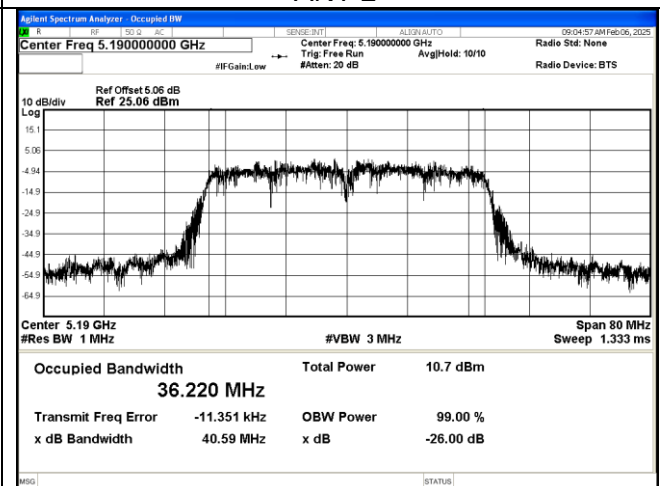
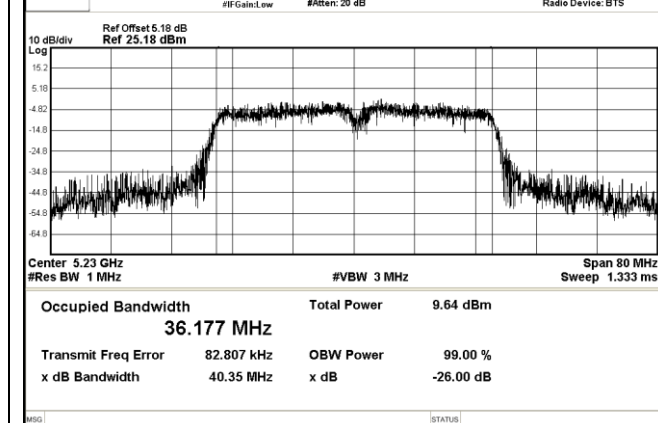
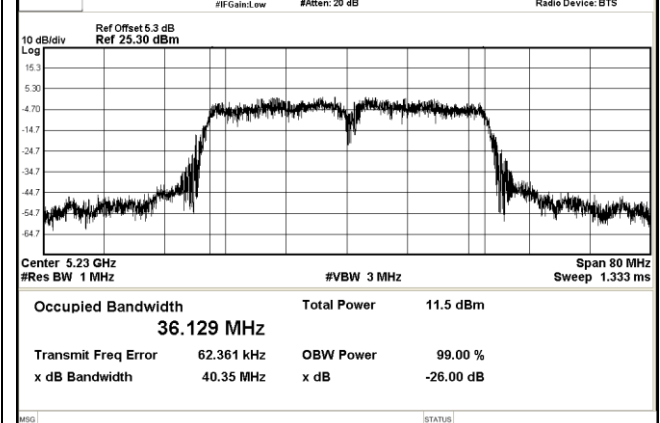


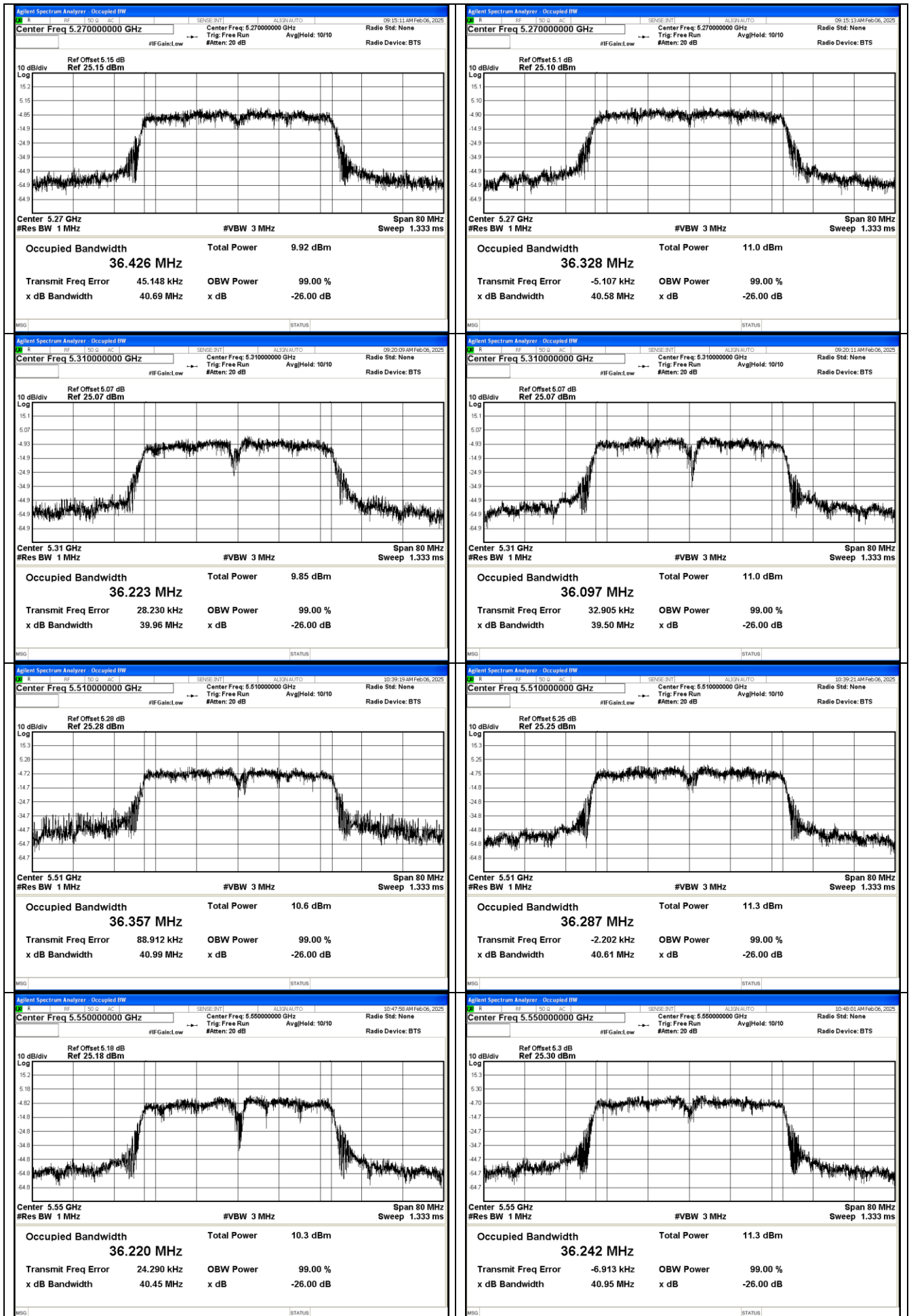


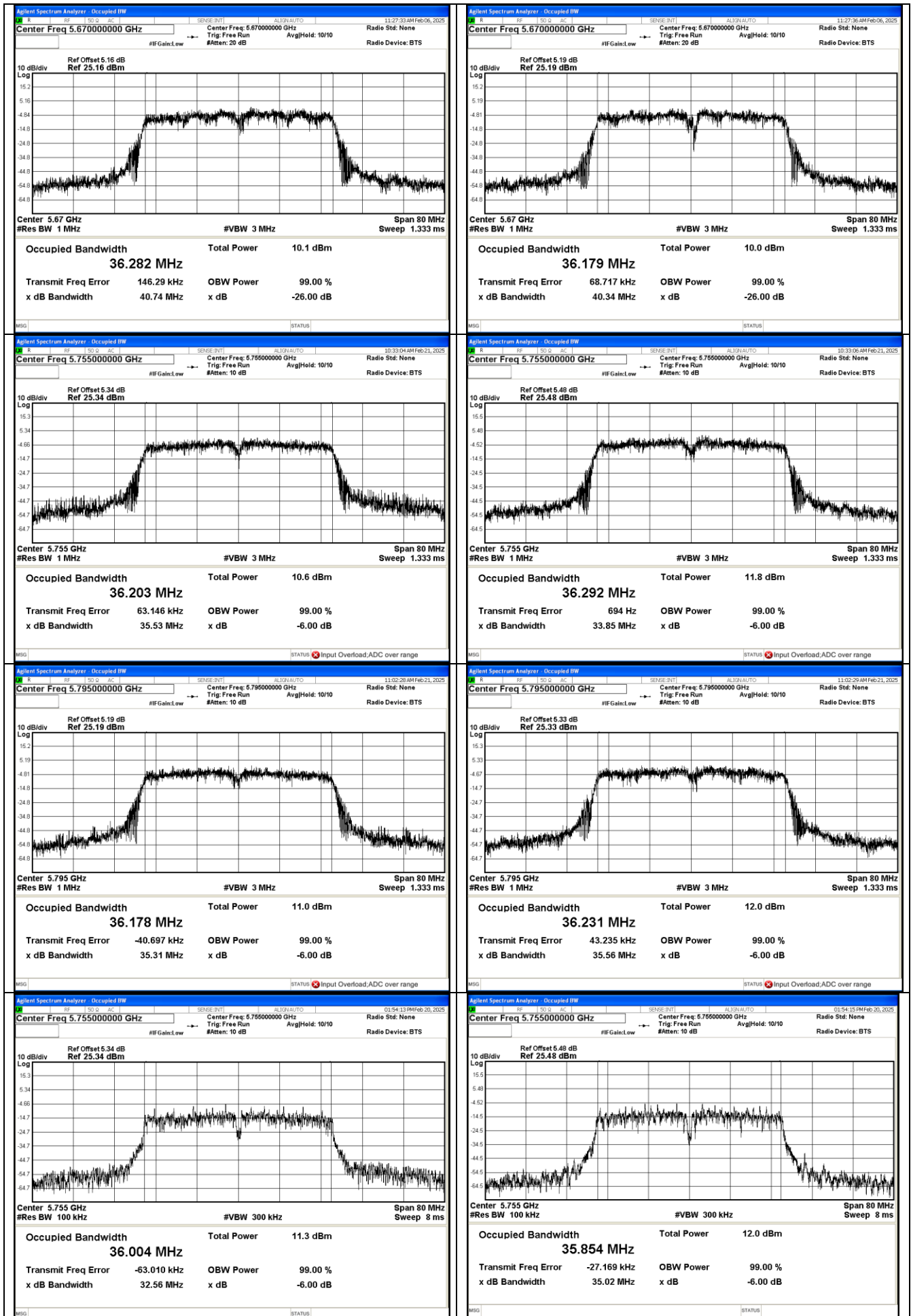
802.11ac VHT40 mode:

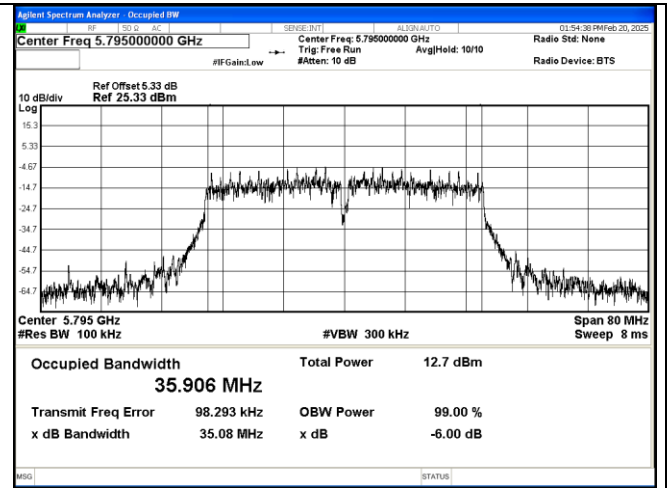
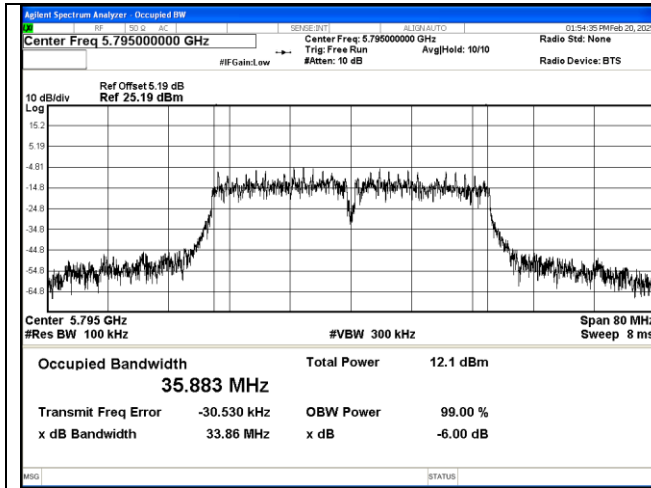
Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
38	5190	36.231	41.07	36.220	40.59
46	5230	36.177	40.35	36.129	40.35
54	5270	36.426	40.69	36.328	40.58
62	5310	36.223	39.96	36.097	39.50
102	5510	36.357	40.99	36.287	40.61
110	5550	36.220	40.45	36.242	40.95
134	5670	36.282	40.74	36.179	40.34

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
151	5755	36.203	32.56	36.292	35.02
159	5795	36.178	33.86	36.231	35.08

ANT 1

ANT 2

ANT 1

ANT 2




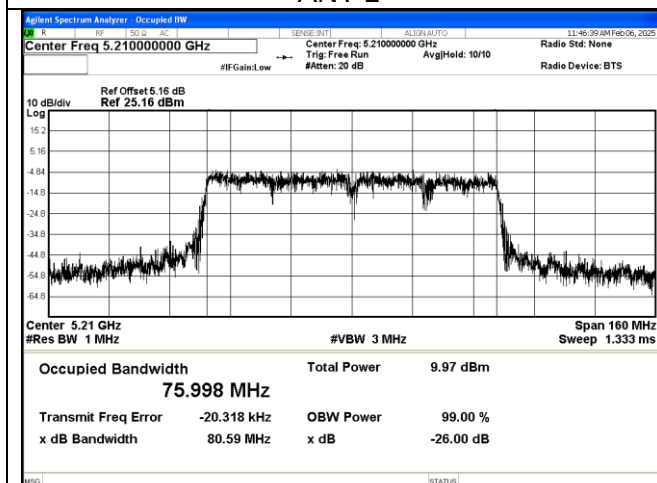
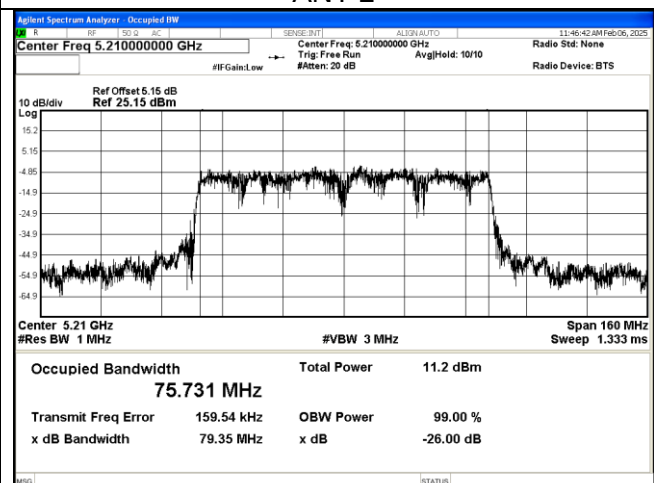
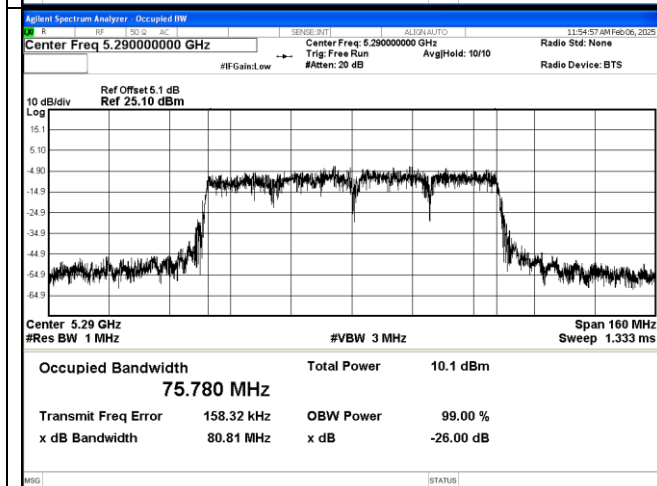
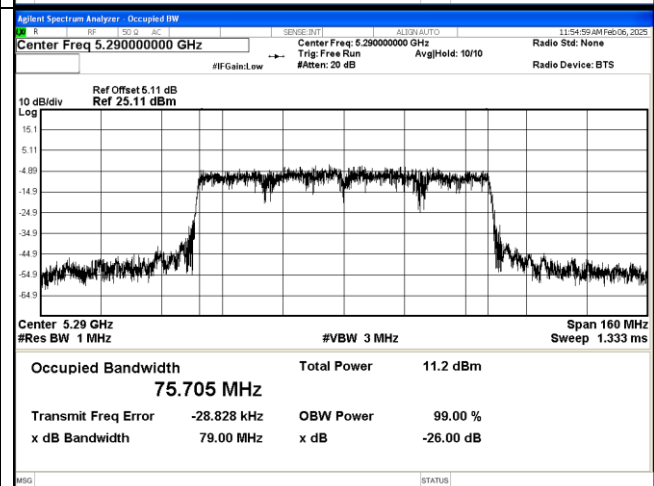


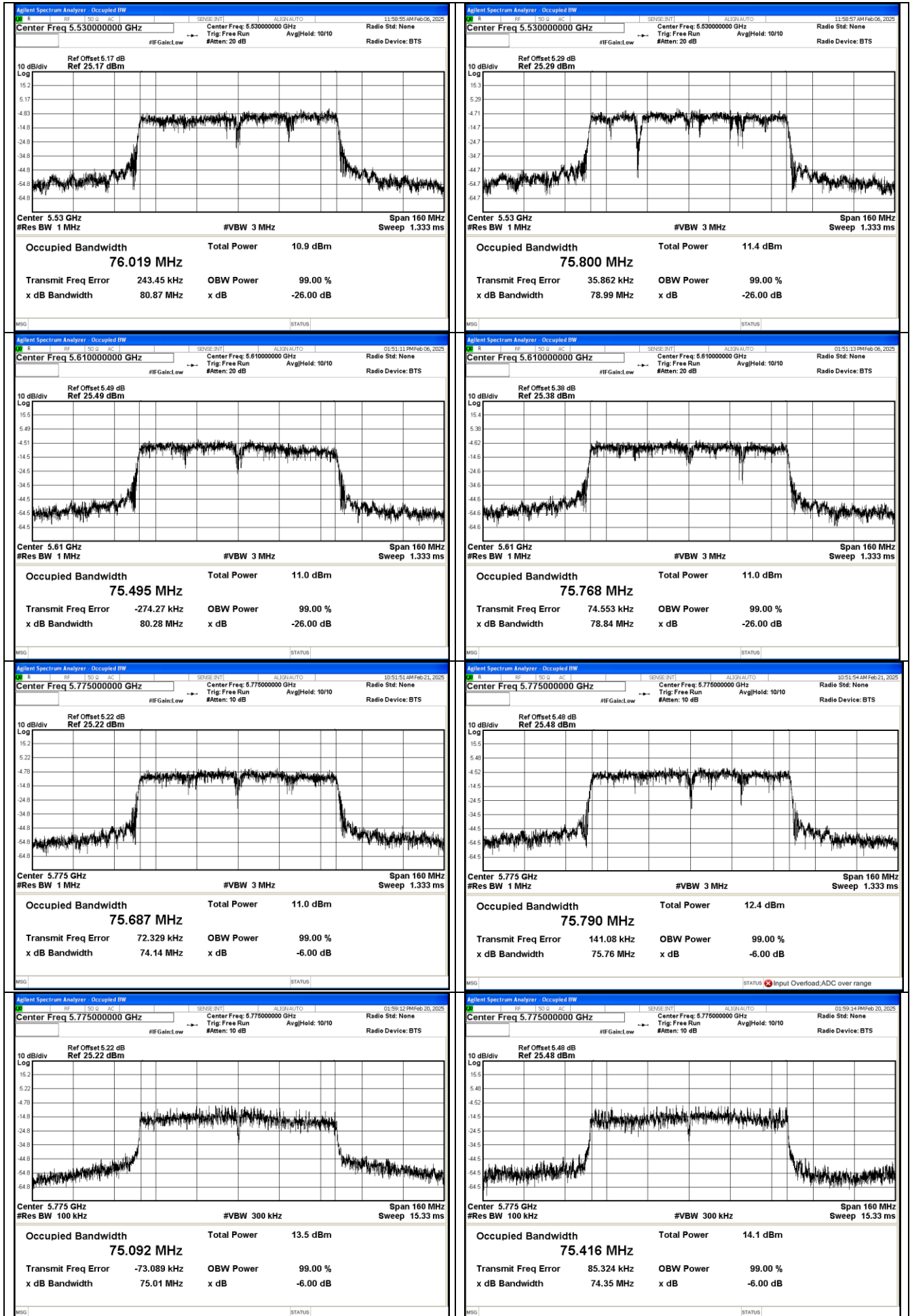


802.11ac VHT80 mode:

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
42	5210	75.998	80.59	75.731	79.35
58	5290	75.780	80.81	75.705	79.00
106	5530	76.019	80.87	75.800	78.99
122	5610	75.495	80.28	75.768	78.84

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
155	5775	75.687	75.01	75.790	74.35

ANT 1

ANT 2

ANT 1

ANT 2




Appendix A.7 Test Results of Maximum Conducted Output Power

802.11a mode								
CH	Freq.	Conducted Power (dBm)		E.I.R.P. (dBm)		Limit (dBm)		Result
		ANT1	ANT2	ANT1	ANT2	IC	FCC	
36	5180	10.559	10.077	14.349	13.867	22.15	23.98	Pass
40	5200	10.275	9.929	14.065	13.719	22.15	23.98	Pass
48	5240	9.872	10.097	13.662	13.887	22.14	23.98	Pass
52	5260	10.324	10.373	14.114	14.163	23.17	23.98	Pass
60	5300	10.107	10.283	13.897	14.073	23.15	23.98	Pass
64	5320	10.347	10.151	14.137	13.941	23.15	23.98	Pass
100	5500	10.697	10.121	14.887	14.311	23.15	23.98	Pass
116	5580	10.789	9.669	14.979	13.859	23.15	23.98	Pass
140	5700	9.64	9.655	13.83	13.845	23.14	23.98	Pass
149	5745	13.961	13.33	n.a.	n.a.	30	30	Pass
157	5785	13.824	13.791	n.a.	n.a.	30	30	Pass
165	5825	14.527	13.256	n.a.	n.a.	30	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11n HT20 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
36	5180	10.053	9.876	12.976	16.766	22.43	23.98	Pass
40	5200	10.076	9.659	12.883	16.673	22.44	23.98	Pass
48	5240	9.676	10.129	12.919	16.709	22.44	23.98	Pass
52	5260	9.39	9.486	12.449	16.239	23.45	23.98	Pass
60	5300	9.655	10.59	13.158	16.948	23.45	23.98	Pass
64	5320	9.907	10.684	13.323	17.113	23.45	23.98	Pass
100	5500	10.199	10.102	13.161	17.351	23.45	23.98	Pass
116	5580	11.521	9.941	13.813	18.003	23.44	23.98	Pass
140	5700	11.109	11.043	14.086	18.276	23.44	23.98	Pass
149	5745	10.943	9.701	13.377	n.a.	30	30	Pass
157	5785	11.231	10.214	13.763	n.a.	30	30	Pass
165	5825	11.691	9.65	13.8	n.a.	30	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11n HT40 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
38	5190	10.5	11.663	14.131	17.921	23	23.98	Pass
46	5230	10.685	12.461	14.673	18.463	23	23.98	Pass
54	5270	9.993	11.222	13.661	17.451	23.98	23.98	Pass
62	5310	9.945	10.943	13.483	17.273	23.98	23.98	Pass
102	5510	11.708	11.522	14.626	18.816	23.98	23.98	Pass
110	5550	11.407	10.962	14.2	18.39	23.98	23.98	Pass
134	5670	12.493	12.673	15.594	19.784	23.98	23.98	Pass
151	5755	10.892	10.105	13.527	n.a.	30	30	Pass
159	5795	11.525	10.245	13.942	n.a.	30	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISSED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISSED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT20 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
36	5180	9.355	10.513	12.983	16.773	22.44	23.98	Pass
40	5200	9.23	10.453	12.895	16.685	22.43	23.98	Pass
48	5240	8.617	10.409	12.615	16.405	22.43	23.98	Pass
52	5260	8.742	9.901	12.37	16.16	23.44	23.98	Pass
60	5300	8.77	10.144	12.521	16.311	23.45	23.98	Pass
64	5320	8.79	9.663	12.259	16.049	23.46	23.98	Pass
100	5500	9.546	9.875	12.724	16.914	23.46	23.98	Pass
116	5580	10.137	9.399	12.794	16.984	23.46	23.98	Pass
140	5700	10.028	9.824	12.937	17.127	23.45	23.98	Pass
149	5745	10.622	9.242	12.997	n.a.	30	30	Pass
157	5785	10.352	9.276	12.858	n.a.	30	30	Pass
165	5825	11.191	9.19	13.315	n.a.	30	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISSED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISSED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT40 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
38	5190	10.375	11.735	14.118	17.908	23	23.98	Pass
46	5230	10.377	12.119	14.345	18.135	23	23.98	Pass
54	5270	10.694	11.868	14.331	18.121	23.98	23.98	Pass
62	5310	10.768	11.647	14.24	18.03	23.98	23.98	Pass
102	5510	11.258	11.898	14.6	18.79	23.98	23.98	Pass
110	5550	11.088	12.132	14.652	18.842	23.98	23.98	Pass
134	5670	10.826	10.91	13.879	18.069	23.98	23.98	Pass
151	5755	12.847	12.244	15.566	n.a.	30	30	Pass
159	5795	12.86	9.827	14.613	n.a.	30	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT80 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
42	5210	10.359	11.737	14.113	17.903	23	23.98	Pass
58	5290	10.825	11.715	14.303	18.093	23.98	23.98	Pass
106	5530	11.467	12.167	14.841	19.031	23.98	23.98	Pass
122	5610	11.590	11.540	14.575	18.515	23.98	23.98	Pass
155	5775	10.943	9.701	13.377	n.a.	30	30	Pass

Note:

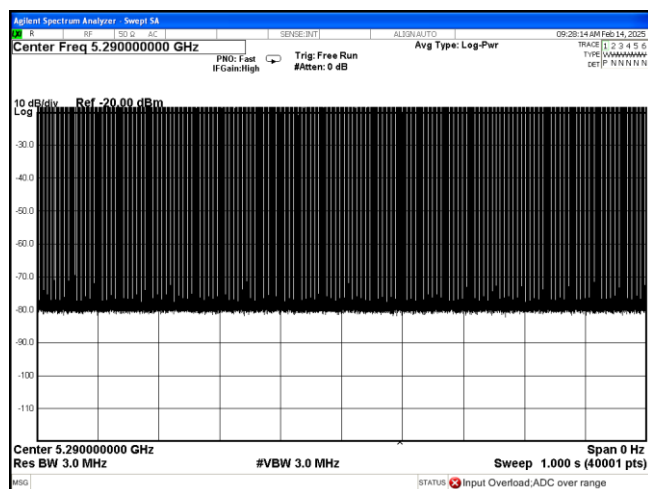
- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.79 dBi, 5470MHz to 5725MHz: 4.19 dBi, 5725MHz to 5850MHz: 3.94 dBi (ANT1&2)..
- 3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
- 4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

Appendix A.8 Test Results of Dynamic Frequency Selection (DFS)

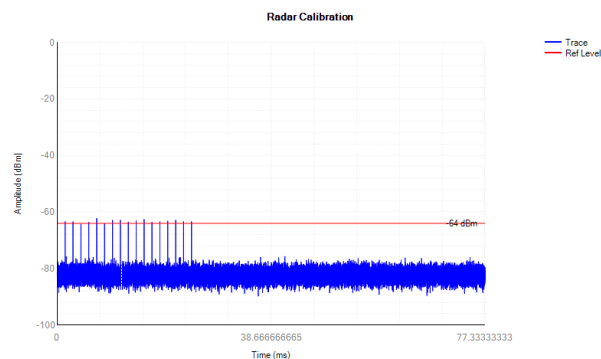
Band II					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5290	0.0399	<60ms	Complies
Channel move time	1	5290	1.2314	<10s	Complies
Non-Occupancy Period	1	5290	not be less than 30 Min	30 Minutes	Complies

Band III					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5530	0.0225	<60ms	Complies
Channel move time	1	5530	1.085	<10s	Complies
Non-Occupancy Period	1	5530	not be less than 30 Min	30 Minutes	Complies

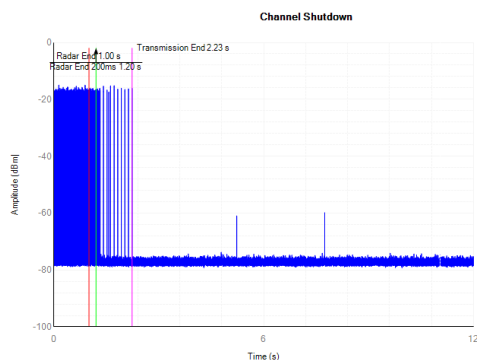
Remark: Tests were performed using the conduction test method. DFS is not applicable to 5600-5650 frequency band for IC.



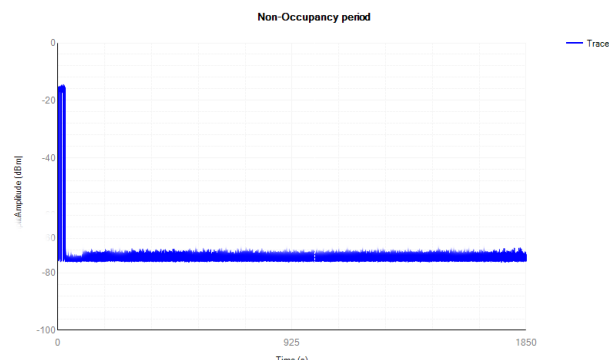
Bandwidth 80MHz



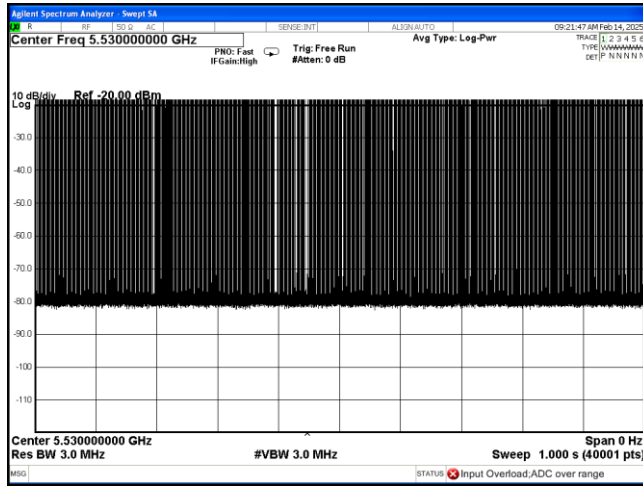
DFS Detection Thresholds



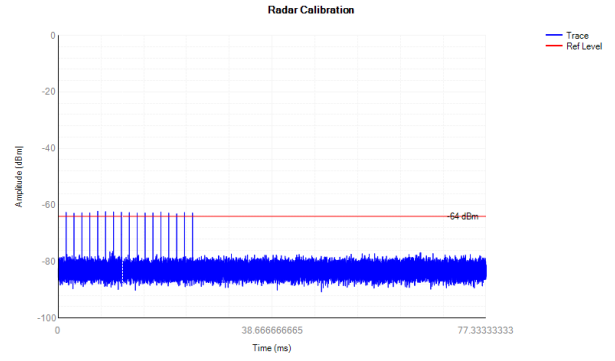
5290MHz Shutdown



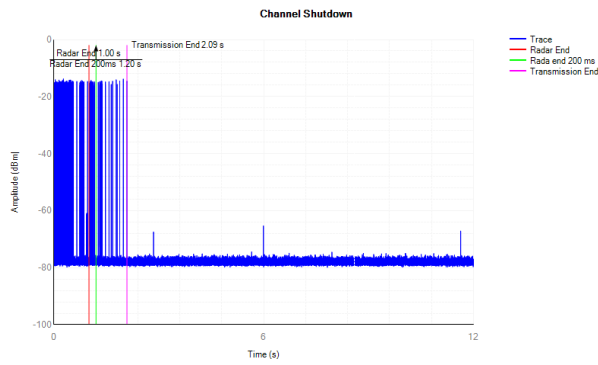
5290MHz Non-Occupancy Period



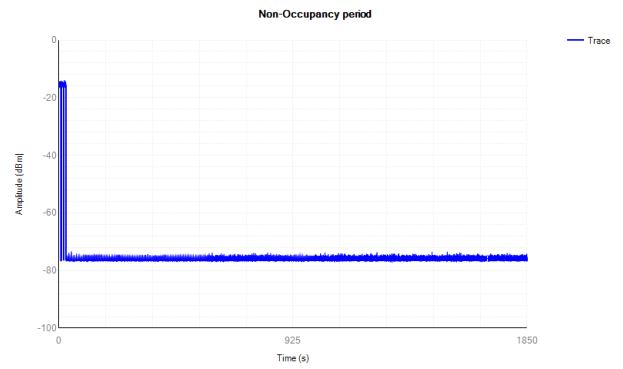
Bandwidth 80MHz



DFS Detection Thresholds



5530MHz Shutdown



5530MHz Non-Occupancy Period