

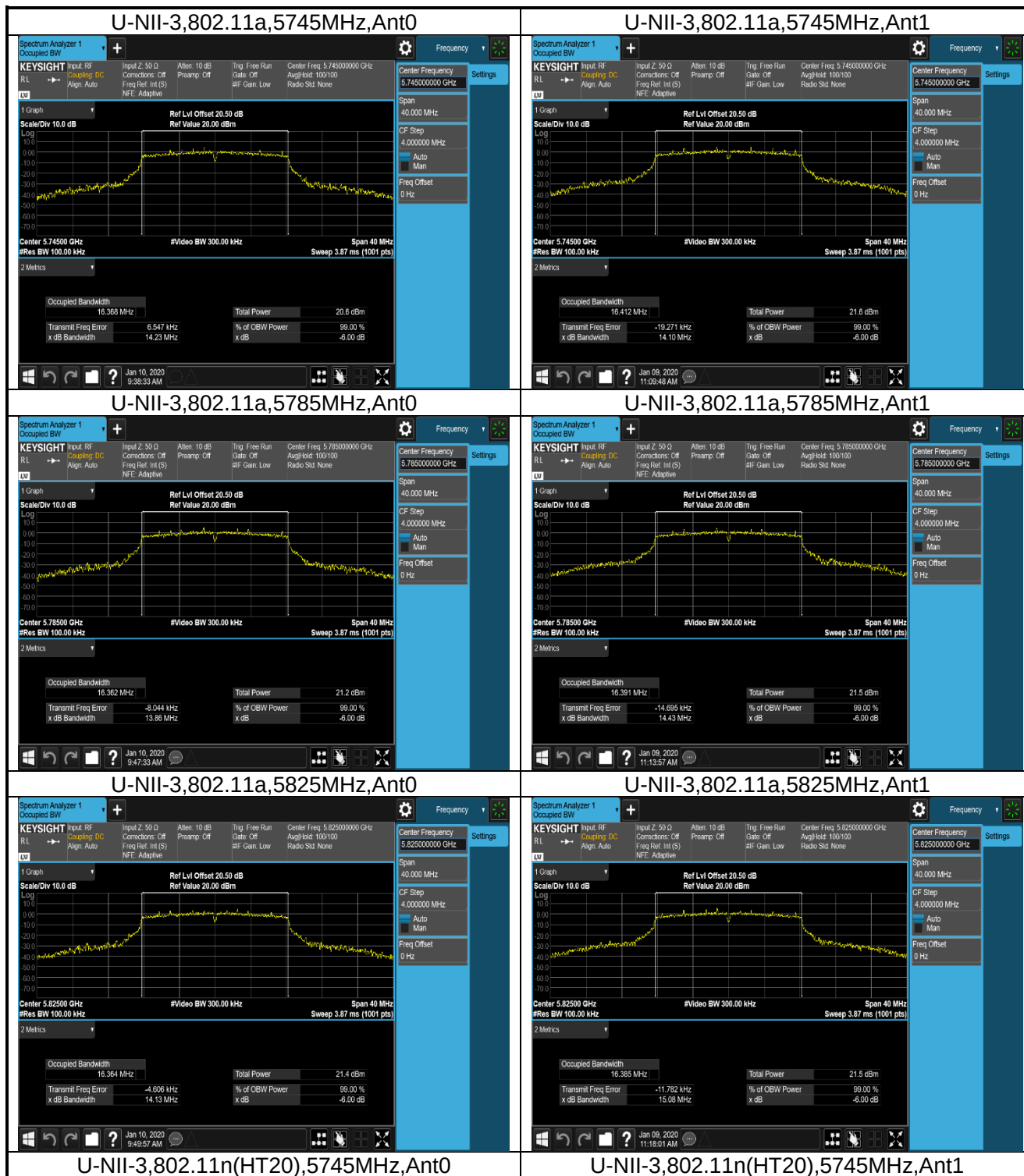
Appendix A: Test results

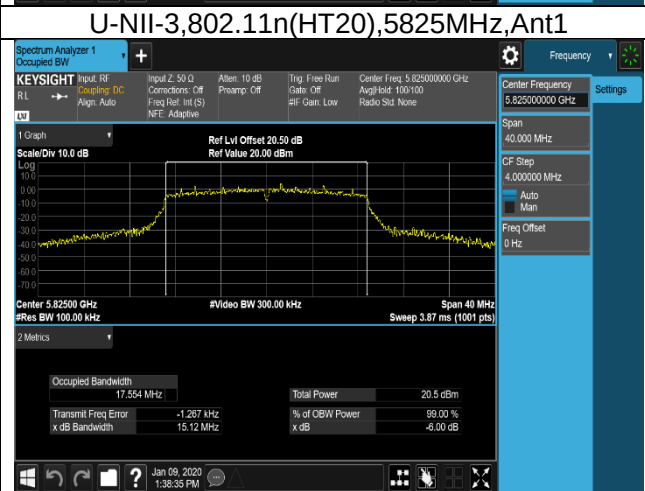
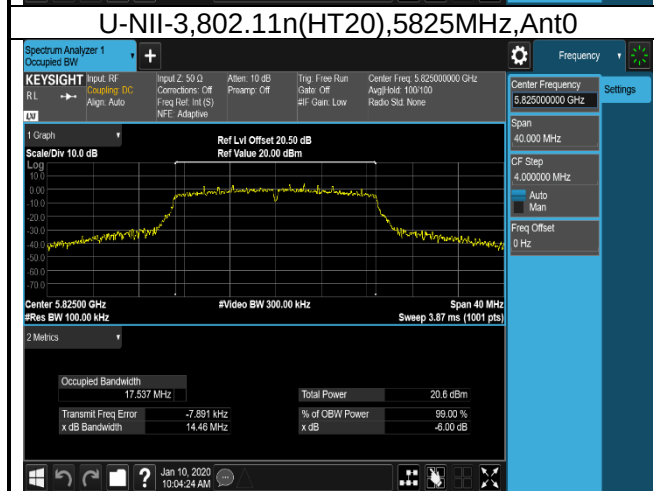
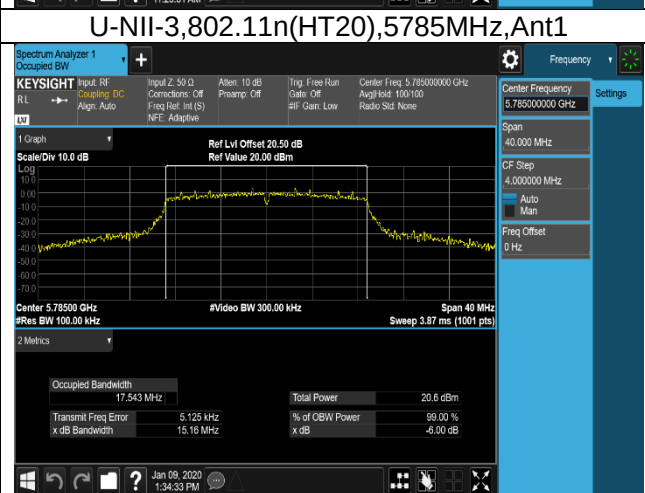
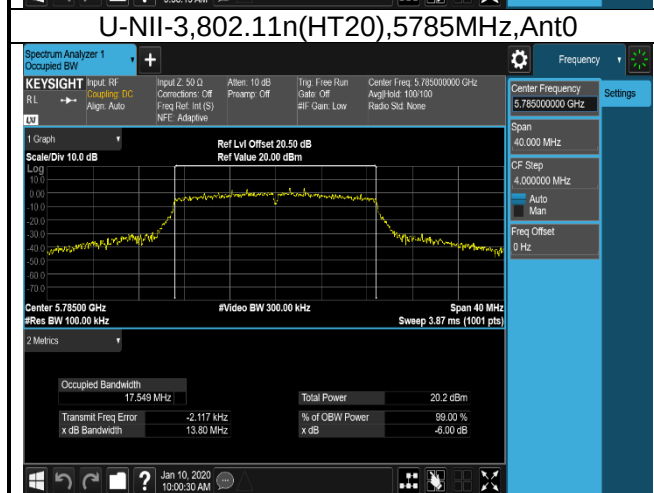
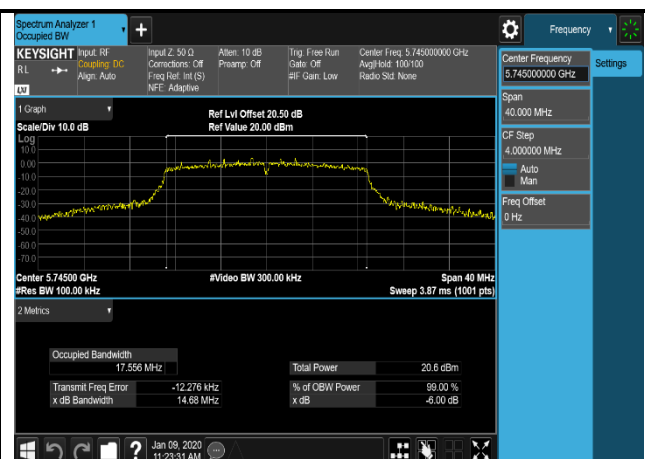
1. Occupied N dB Bandwidth

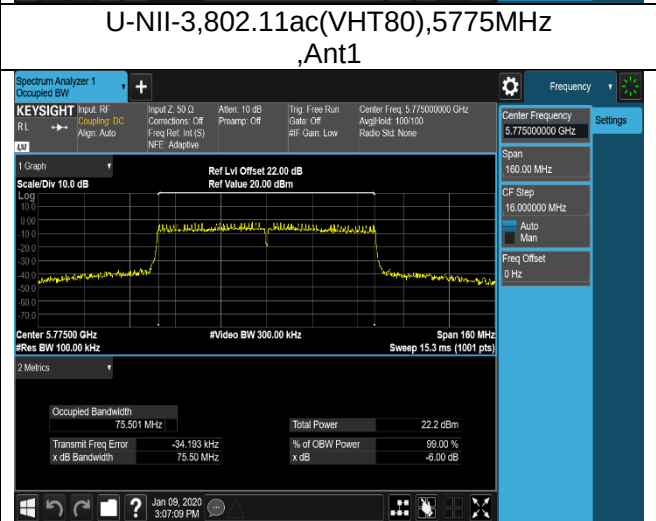
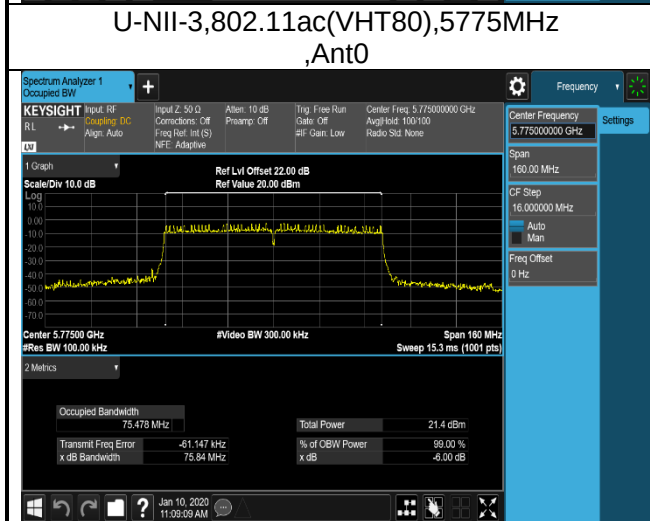
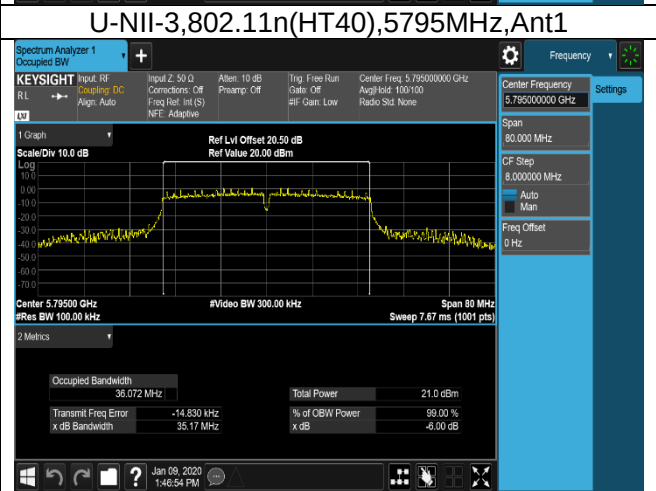
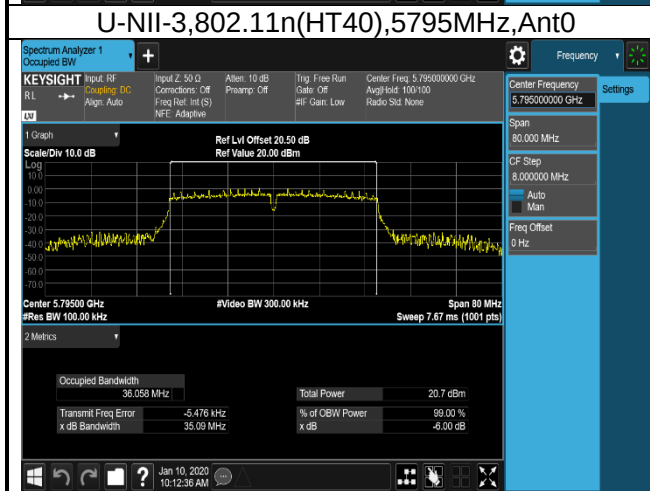
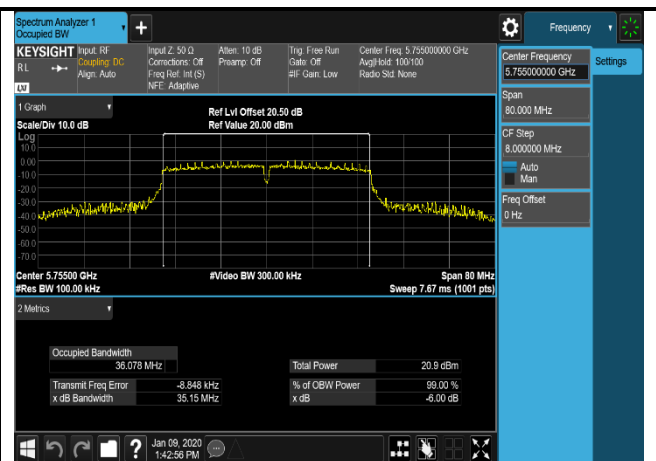
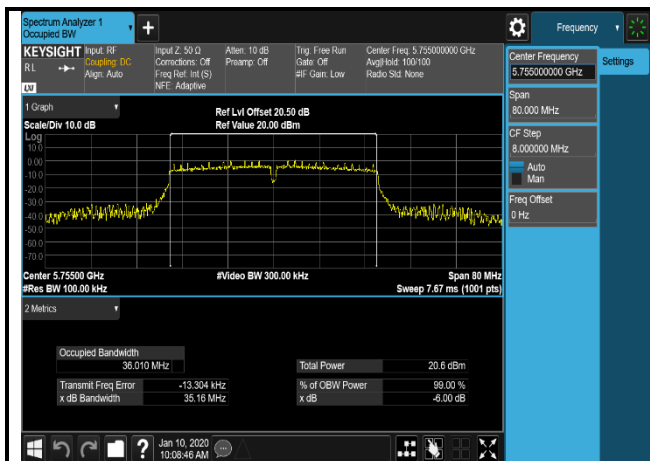
1.1 Test Data

U-NII-3 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	14.23	Pass
802.11a	5745	Ant1	14.10	Pass
802.11a	5785	Ant0	13.86	Pass
802.11a	5785	Ant1	14.43	Pass
802.11a	5825	Ant0	14.13	Pass
802.11a	5825	Ant1	15.08	Pass
802.11n (HT20)	5745	Ant0	15.08	Pass
802.11n (HT20)	5745	Ant1	14.68	Pass
802.11n (HT20)	5785	Ant0	13.80	Pass
802.11n (HT20)	5785	Ant1	15.16	Pass
802.11n (HT20)	5825	Ant0	14.47	Pass
802.11n (HT20)	5825	Ant1	15.12	Pass
802.11n (HT40)	5755	Ant0	35.16	Pass
802.11n (HT40)	5755	Ant1	35.15	Pass
802.11n (HT40)	5795	Ant0	35.09	Pass
802.11n (HT40)	5795	Ant1	35.17	Pass
802.11ac (VHT80)	5775	Ant0	75.84	Pass
802.11ac (VHT80)	5775	Ant1	75.50	Pass

1.2 Test Plots





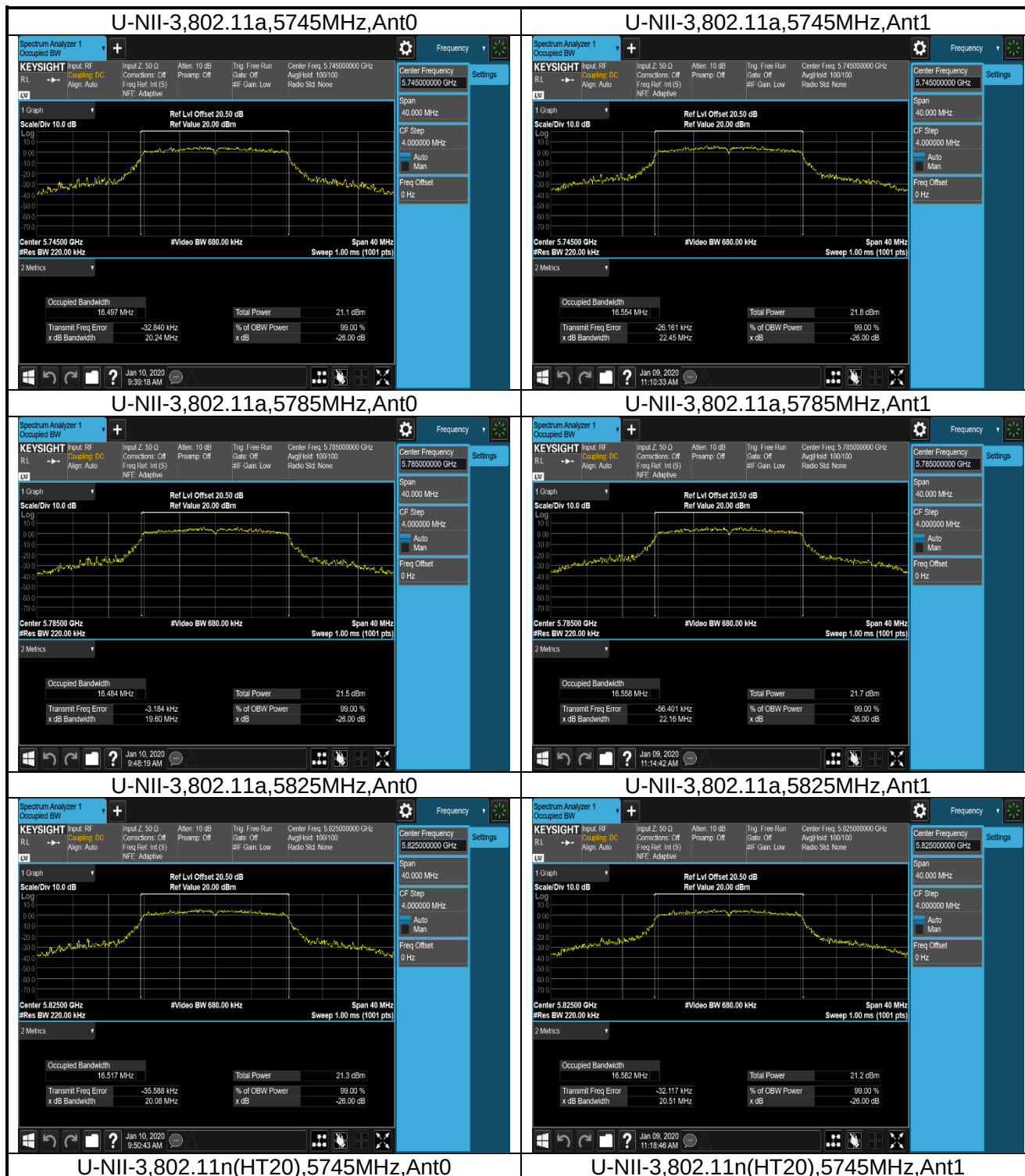


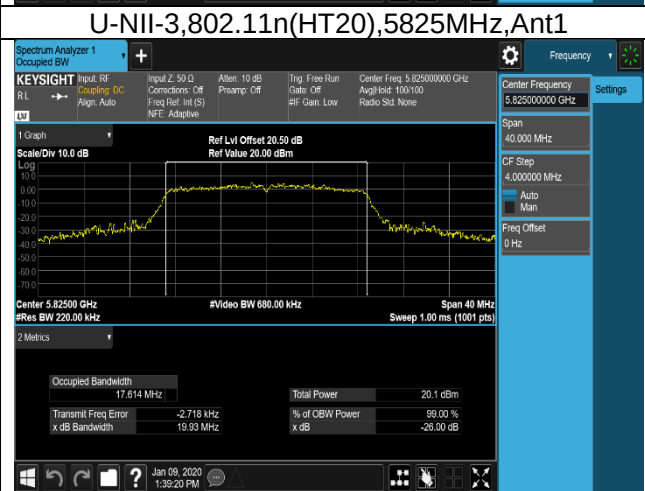
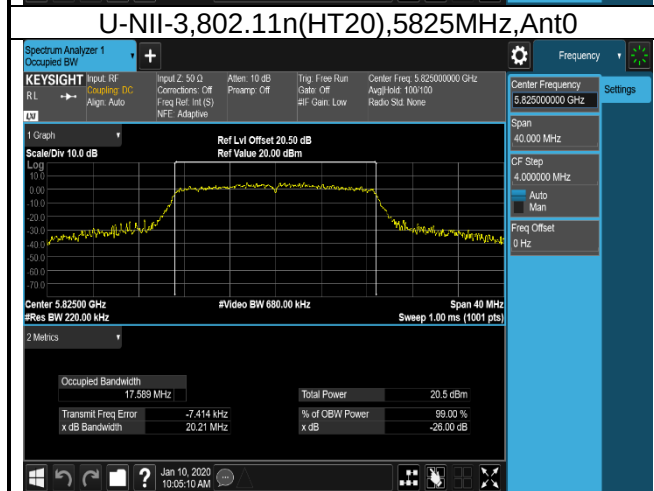
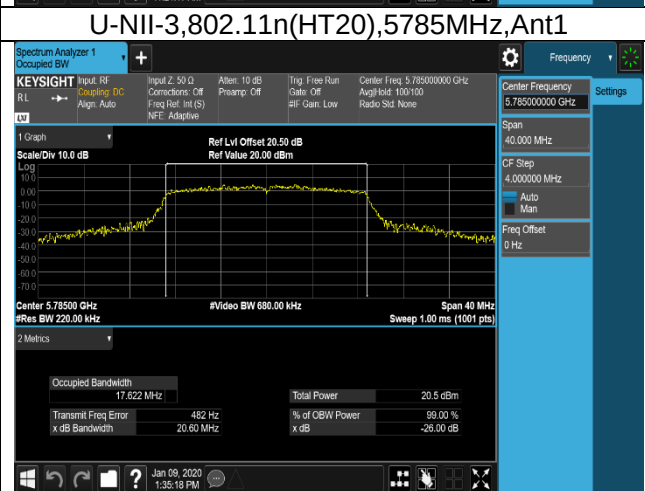
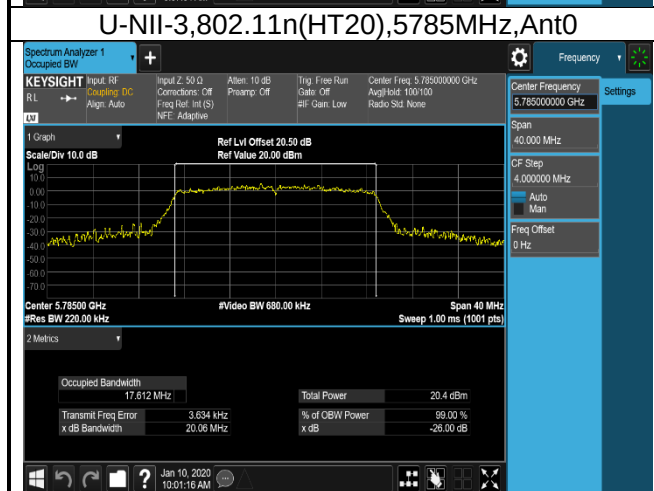
2. 99% Occupied Bandwidth

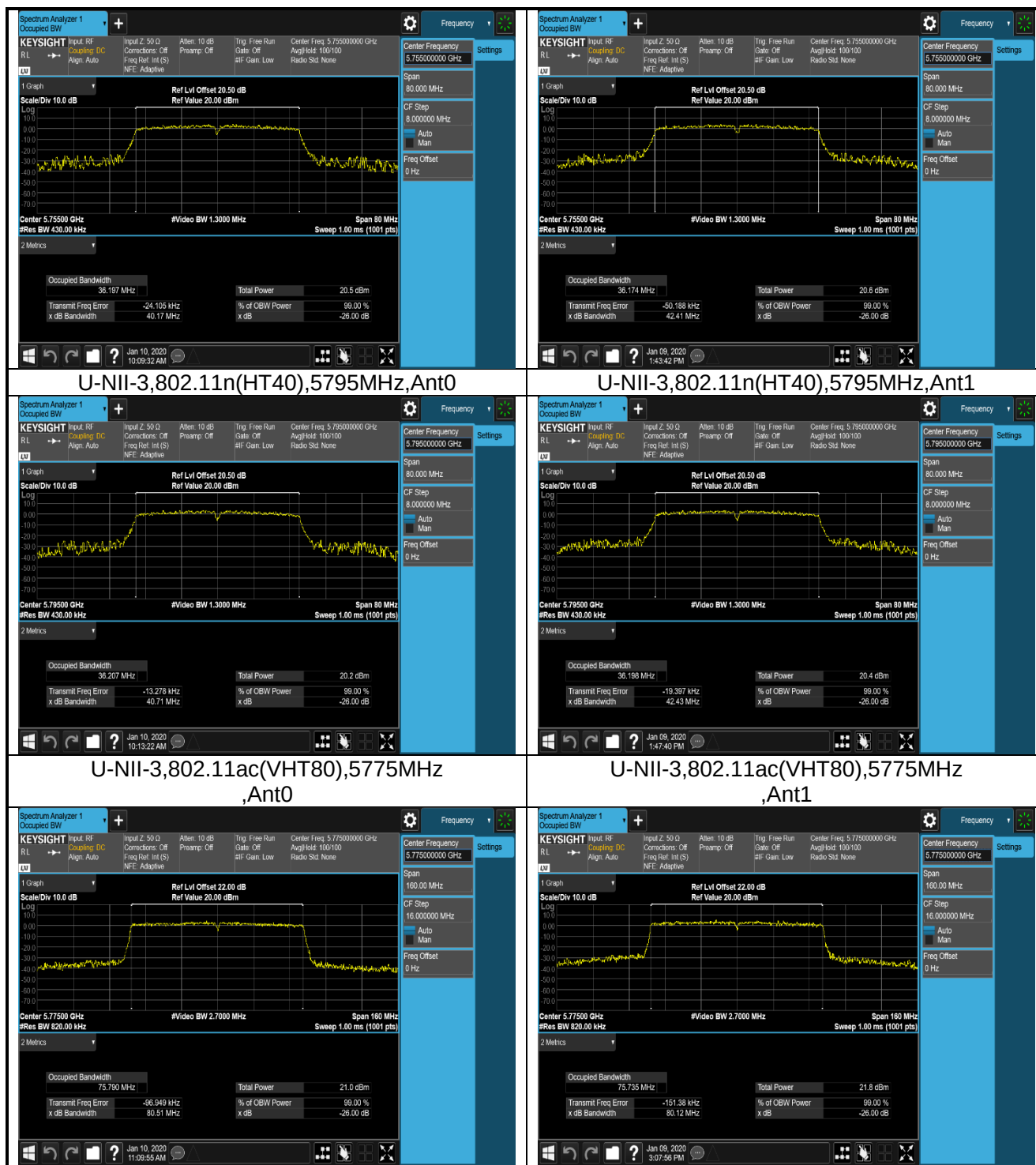
2.1 Test Data

U-NII-3 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	16.497	Pass
802.11a	5745	Ant1	16.554	Pass
802.11a	5785	Ant0	16.484	Pass
802.11a	5785	Ant1	16.558	Pass
802.11a	5825	Ant0	16.517	Pass
802.11a	5825	Ant1	16.582	Pass
802.11n (HT20)	5745	Ant0	17.598	Pass
802.11n (HT20)	5745	Ant1	17.616	Pass
802.11n (HT20)	5785	Ant0	17.612	Pass
802.11n (HT20)	5785	Ant1	17.622	Pass
802.11n (HT20)	5825	Ant0	17.589	Pass
802.11n (HT20)	5825	Ant1	17.614	Pass
802.11n (HT40)	5755	Ant0	36.197	Pass
802.11n (HT40)	5755	Ant1	36.174	Pass
802.11n (HT40)	5795	Ant0	36.207	Pass
802.11n (HT40)	5795	Ant1	36.198	Pass
802.11ac (VHT80)	5775	Ant0	75.790	Pass
802.11ac (VHT80)	5775	Ant1	75.735	Pass

2.2 Test Plots





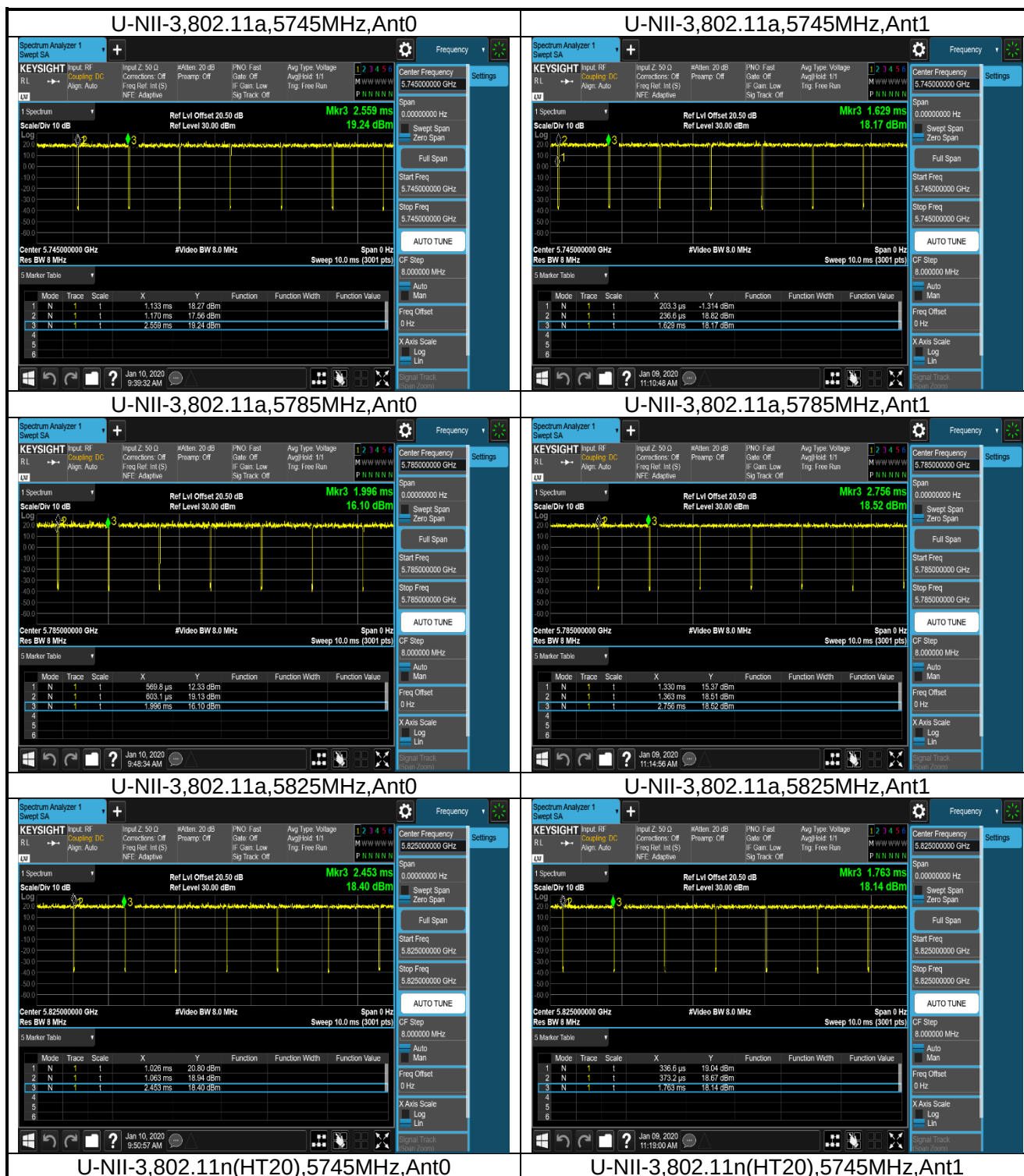


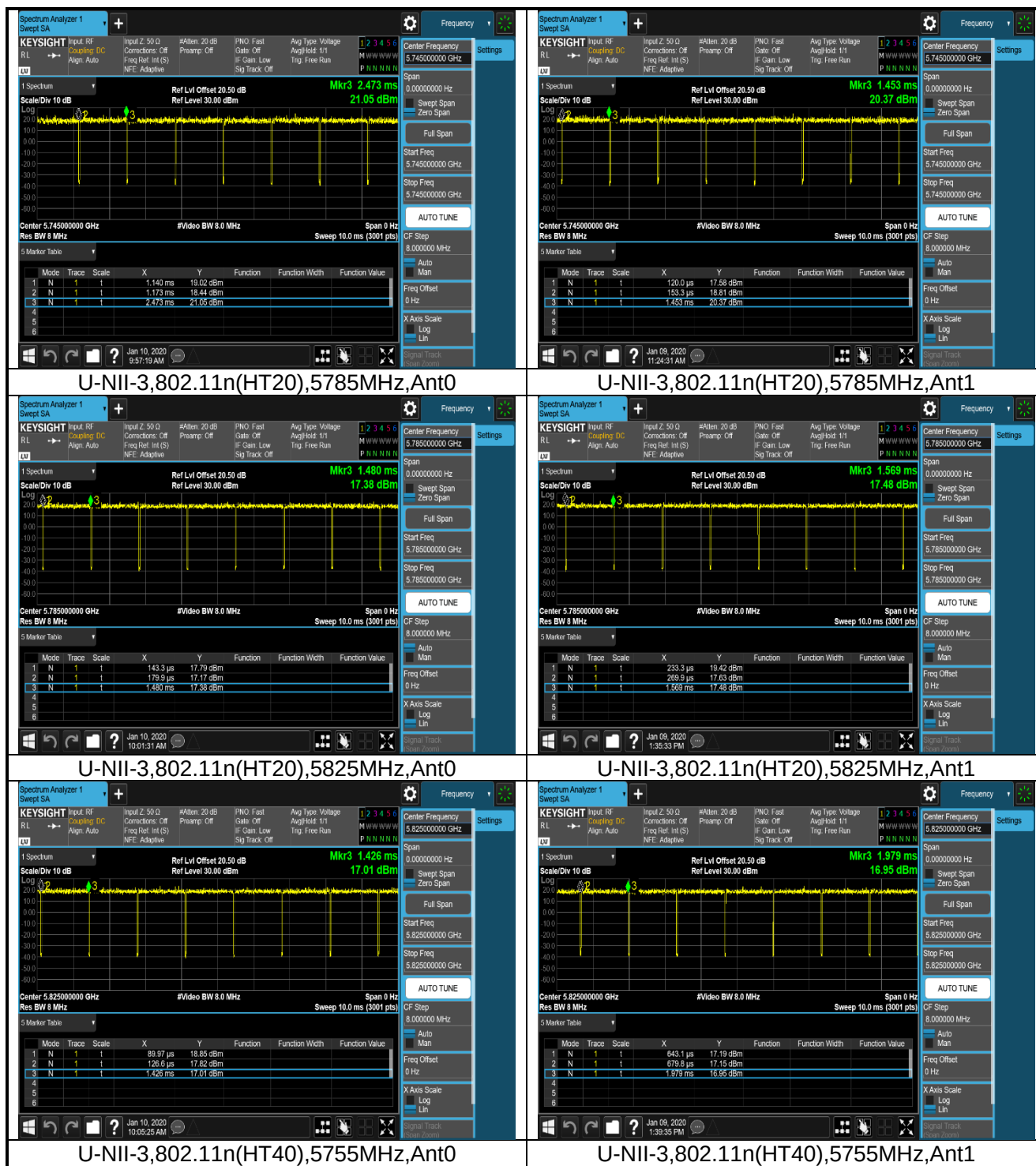
3. Duty Cycle

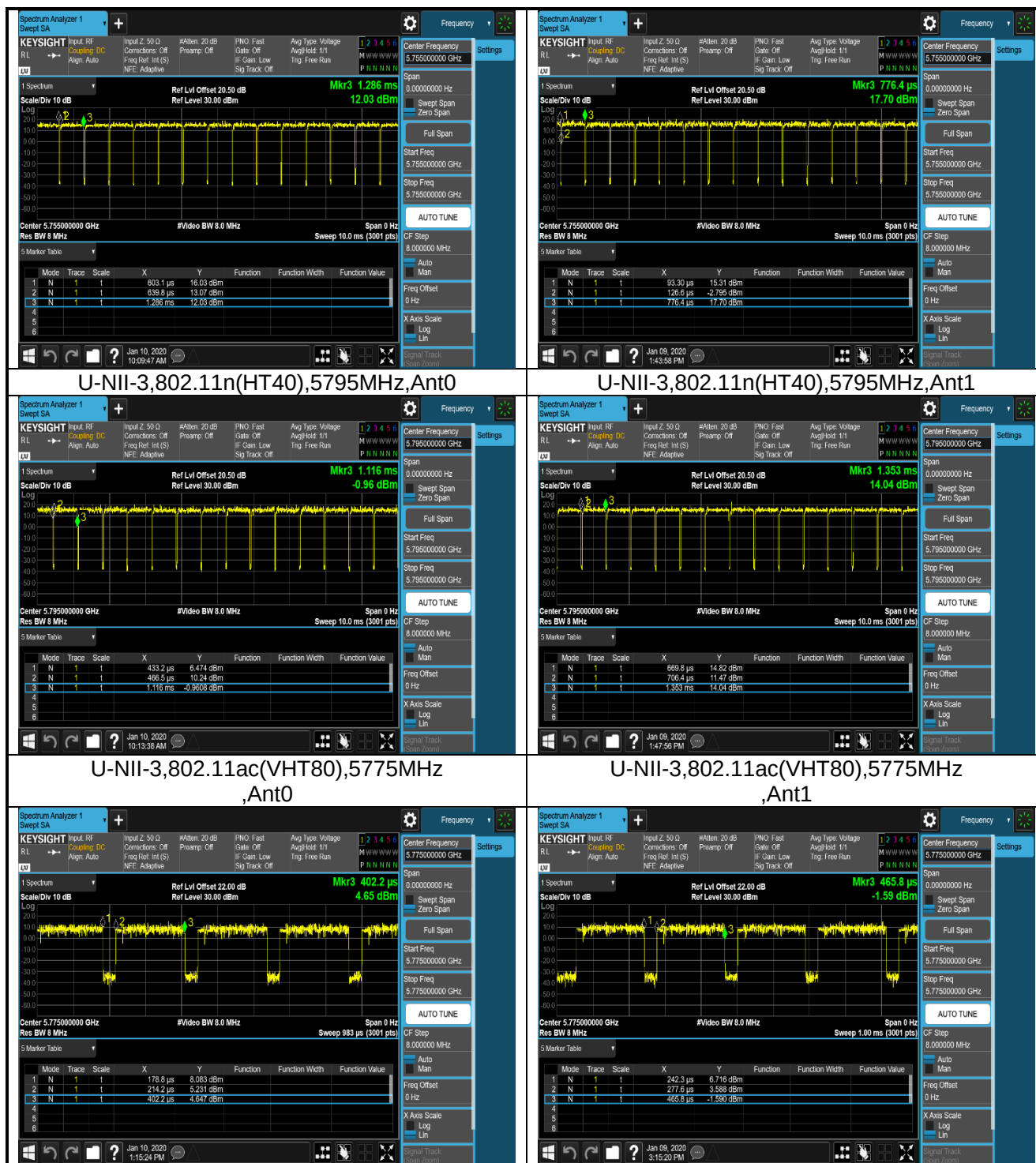
3.1 Test Data

U-NII-3 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5745	Ant0	97.43	0.11
802.11a	5745	Ant1	97.66	0.10
802.11a	5785	Ant0	97.66	0.10
802.11a	5785	Ant1	97.66	0.10
802.11a	5825	Ant0	97.43	0.11
802.11a	5825	Ant1	97.43	0.11
802.11n (HT20)	5745	Ant0	97.50	0.11
802.11n (HT20)	5745	Ant1	97.50	0.11
802.11n (HT20)	5785	Ant0	97.26	0.12
802.11n (HT20)	5785	Ant1	97.26	0.12
802.11n (HT20)	5825	Ant0	97.26	0.12
802.11n (HT20)	5825	Ant1	97.26	0.12
802.11n (HT40)	5755	Ant0	94.63	0.24
802.11n (HT40)	5755	Ant1	95.12	0.22
802.11n (HT40)	5795	Ant0	95.12	0.22
802.11n (HT40)	5795	Ant1	94.63	0.24
802.11ac (VHT80)	5775	Ant0	84.16	0.75
802.11ac (VHT80)	5775	Ant1	84.20	0.75

3.2 Test Plots







4. AVGSA Output Power

4.1 Test Data

U-NII-3 AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5745	Ant0	0.11	15.65	15.65	30	17.48	Pass
802.11a	5745	Ant1	0.10	15.97	15.97	30	17.50	Pass
802.11a	5785	Ant0	0.11	15.60	15.60	30	17.43	Pass
802.11a	5785	Ant1	0.10	15.95	15.95	30	17.48	Pass
802.11a	5825	Ant0	0.11	15.76	15.76	30	17.59	Pass
802.11a	5825	Ant1	0.11	15.50	15.50	30	17.03	Pass
802.11n (HT20)	5745	Ant0	0.11	14.64	17.86	30	19.54	Pass
802.11n (HT20)	5745	Ant1	0.11	15.05				
802.11n (HT20)	5785	Ant0	0.12	14.56	17.70	30	19.38	Pass
802.11n (HT20)	5785	Ant1	0.12	14.81				
802.11n (HT20)	5825	Ant0	0.12	14.61	17.56	30	19.24	Pass
802.11n (HT20)	5825	Ant1	0.12	14.48				
802.11n (HT40)	5755	Ant0	0.24	14.50	17.67	30	19.36	Pass
802.11n (HT40)	5755	Ant1	0.22	14.82				
802.11n (HT40)	5795	Ant0	0.22	14.22	17.36	30	19.04	Pass
802.11n (HT40)	5795	Ant1	0.24	14.47				
802.11ac (VHT80)	5775	Ant0	0.74	13.25	16.18	30	17.86	Pass
802.11ac (VHT80)	5775	Ant1	0.75	13.08				

4.2 Test Plots

