

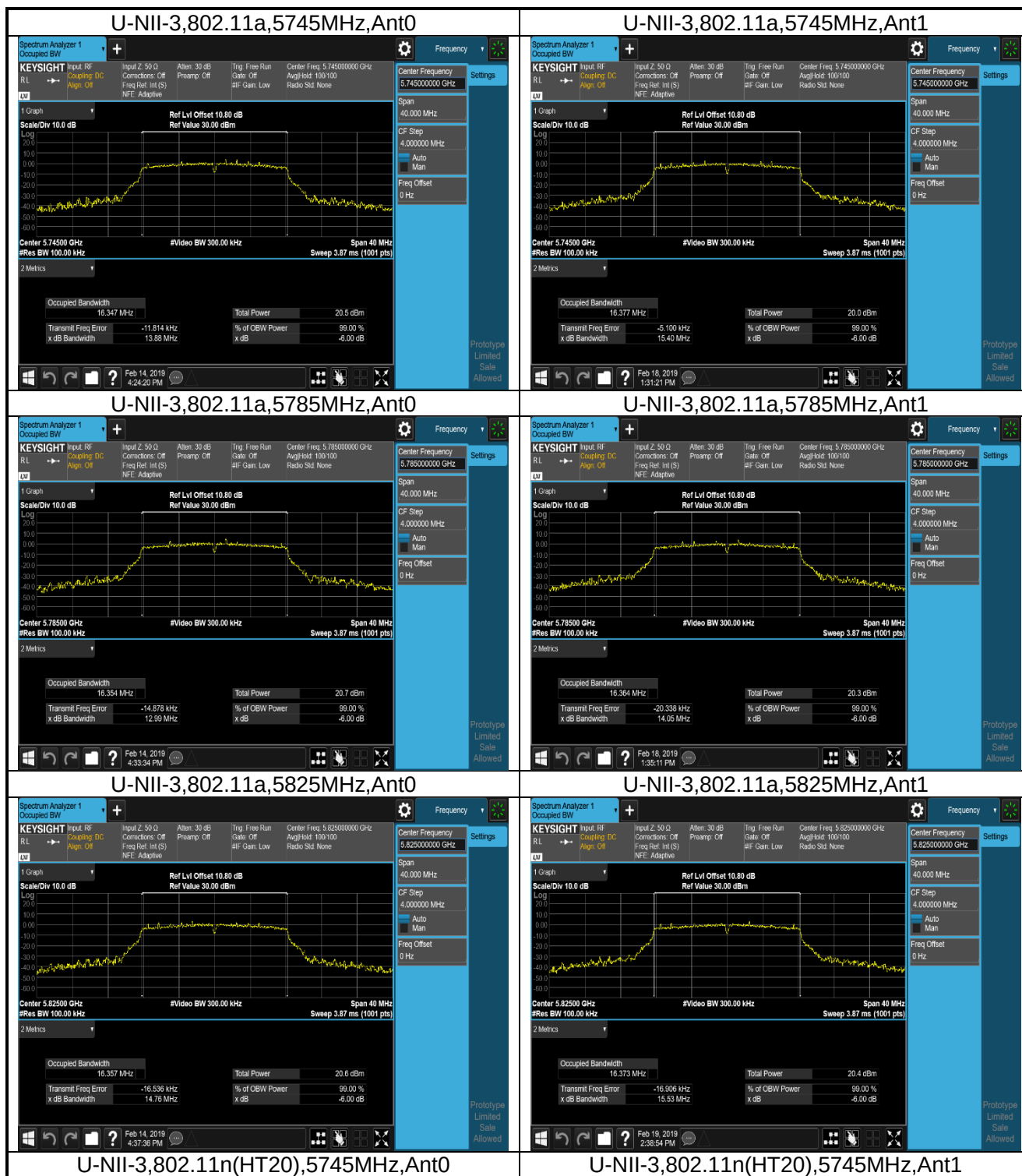
Appendix A4: Test results

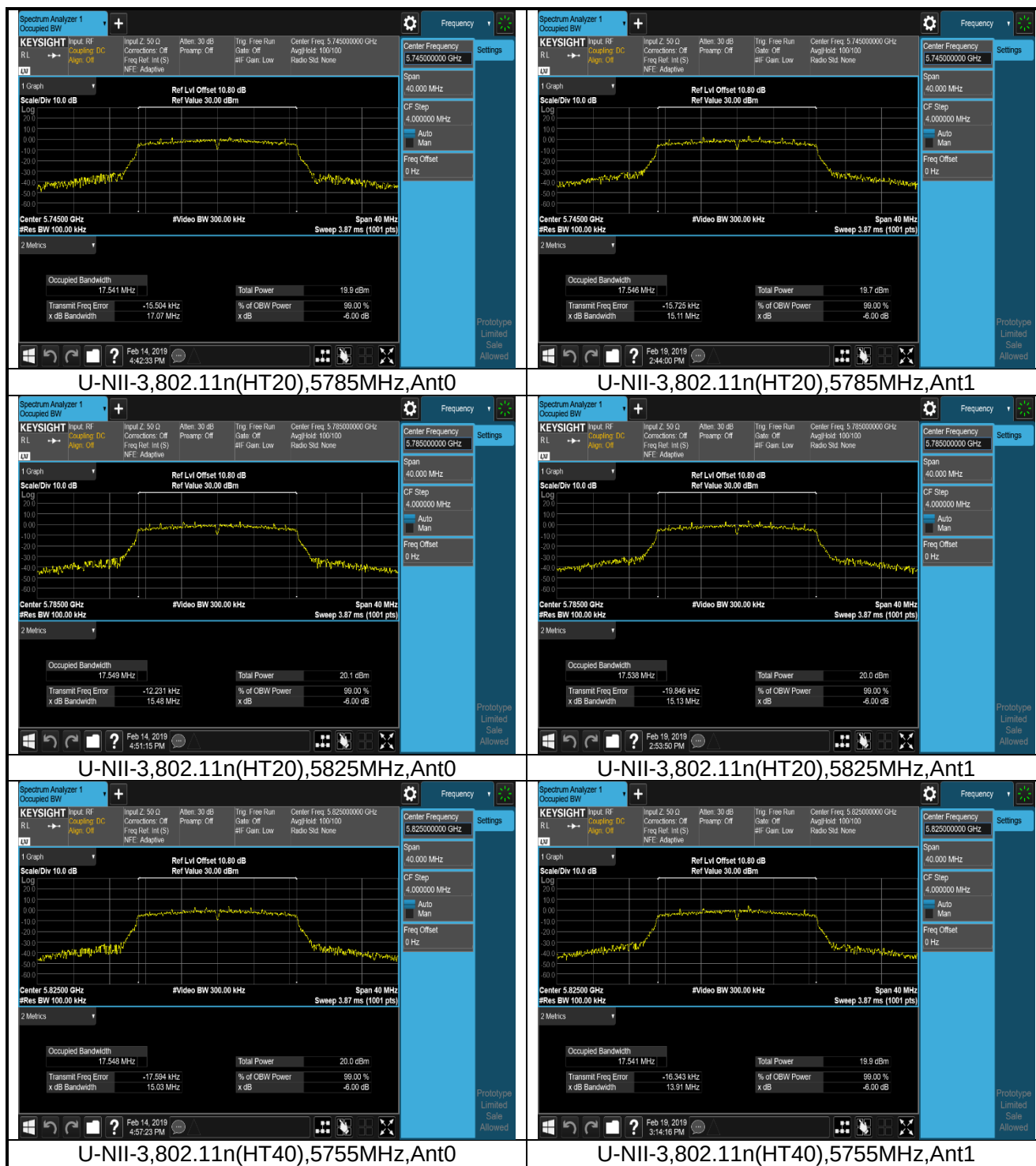
1. Occupied N dB Bandwidth

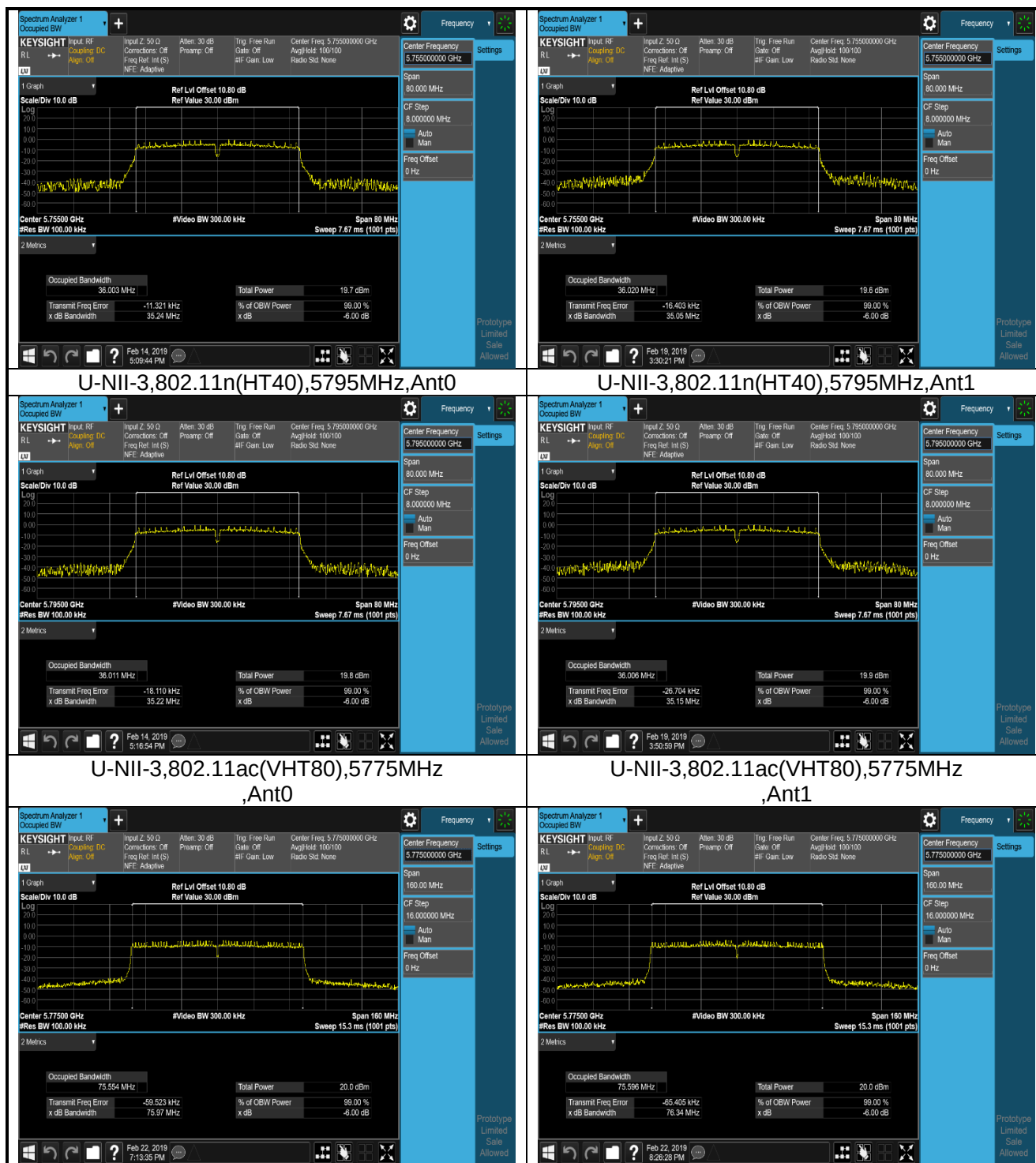
1.1 Test Data

U-NII-3 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	13.88	Pass
802.11a	5745	Ant1	15.40	Pass
802.11a	5785	Ant0	12.99	Pass
802.11a	5785	Ant1	14.05	Pass
802.11a	5825	Ant0	14.76	Pass
802.11a	5825	Ant1	15.53	Pass
802.11n (HT20)	5745	Ant0	17.07	Pass
802.11n (HT20)	5745	Ant1	15.11	Pass
802.11n (HT20)	5785	Ant0	15.48	Pass
802.11n (HT20)	5785	Ant1	15.13	Pass
802.11n (HT20)	5825	Ant0	15.03	Pass
802.11n (HT20)	5825	Ant1	13.91	Pass
802.11n (HT40)	5755	Ant0	35.24	Pass
802.11n (HT40)	5755	Ant1	35.05	Pass
802.11n (HT40)	5795	Ant0	35.22	Pass
802.11n (HT40)	5795	Ant1	35.15	Pass
802.11ac (VHT80)	5775	Ant0	75.97	Pass
802.11ac (VHT80)	5775	Ant1	76.34	Pass

1.2 Test Plots





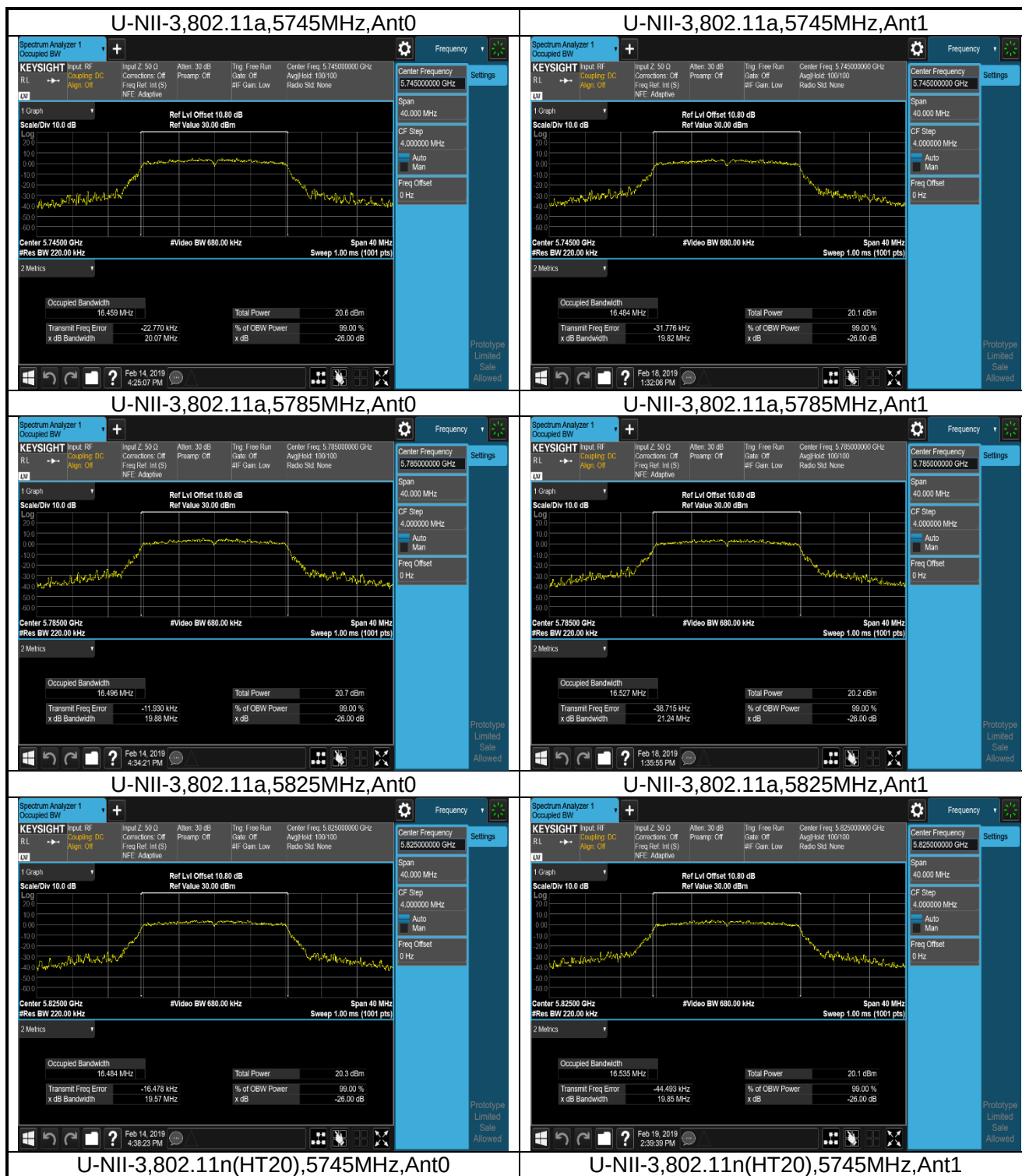


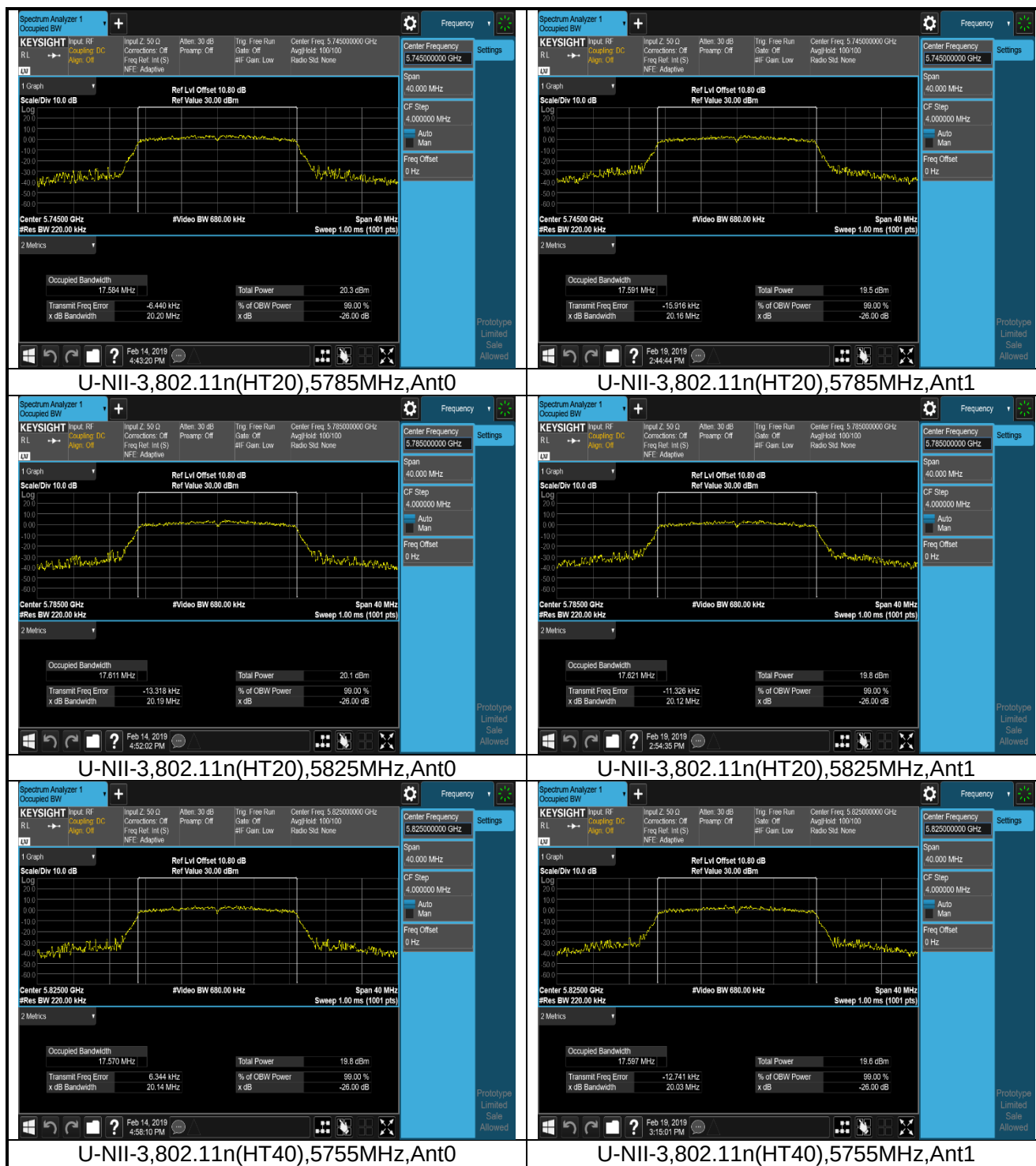
2. 99% Occupied Bandwidth

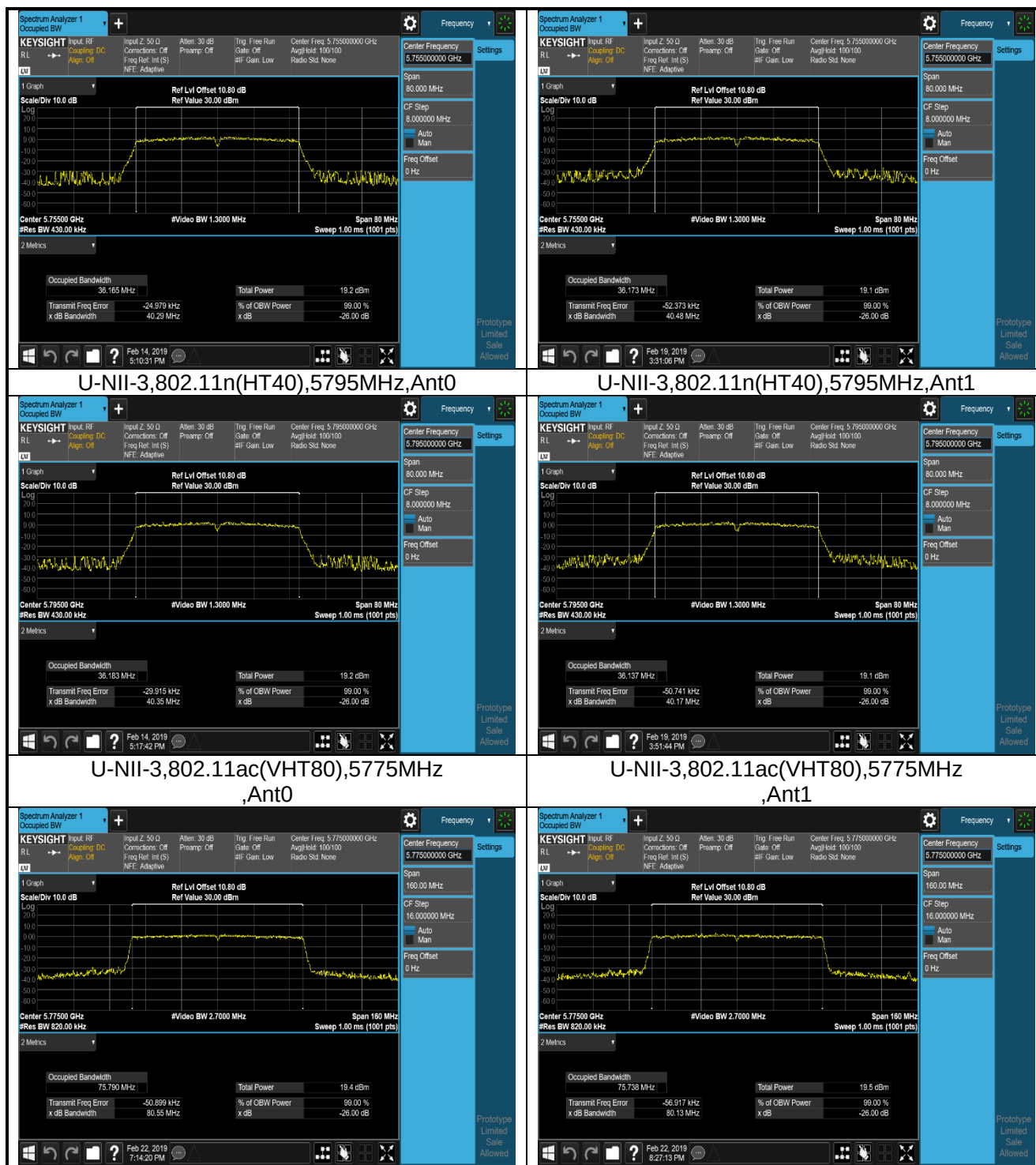
2.1 Test Data

U-NII-3 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	16.459	Pass
802.11a	5745	Ant1	16.484	Pass
802.11a	5785	Ant0	16.496	Pass
802.11a	5785	Ant1	16.527	Pass
802.11a	5825	Ant0	16.484	Pass
802.11a	5825	Ant1	16.535	Pass
802.11n (HT20)	5745	Ant0	17.584	Pass
802.11n (HT20)	5745	Ant1	17.591	Pass
802.11n (HT20)	5785	Ant0	17.611	Pass
802.11n (HT20)	5785	Ant1	17.621	Pass
802.11n (HT20)	5825	Ant0	17.570	Pass
802.11n (HT20)	5825	Ant1	17.597	Pass
802.11n (HT40)	5755	Ant0	36.165	Pass
802.11n (HT40)	5755	Ant1	36.173	Pass
802.11n (HT40)	5795	Ant0	36.183	Pass
802.11n (HT40)	5795	Ant1	36.137	Pass
802.11ac (VHT80)	5775	Ant0	75.790	Pass
802.11ac (VHT80)	5775	Ant1	75.738	Pass

2.2 Test Plots





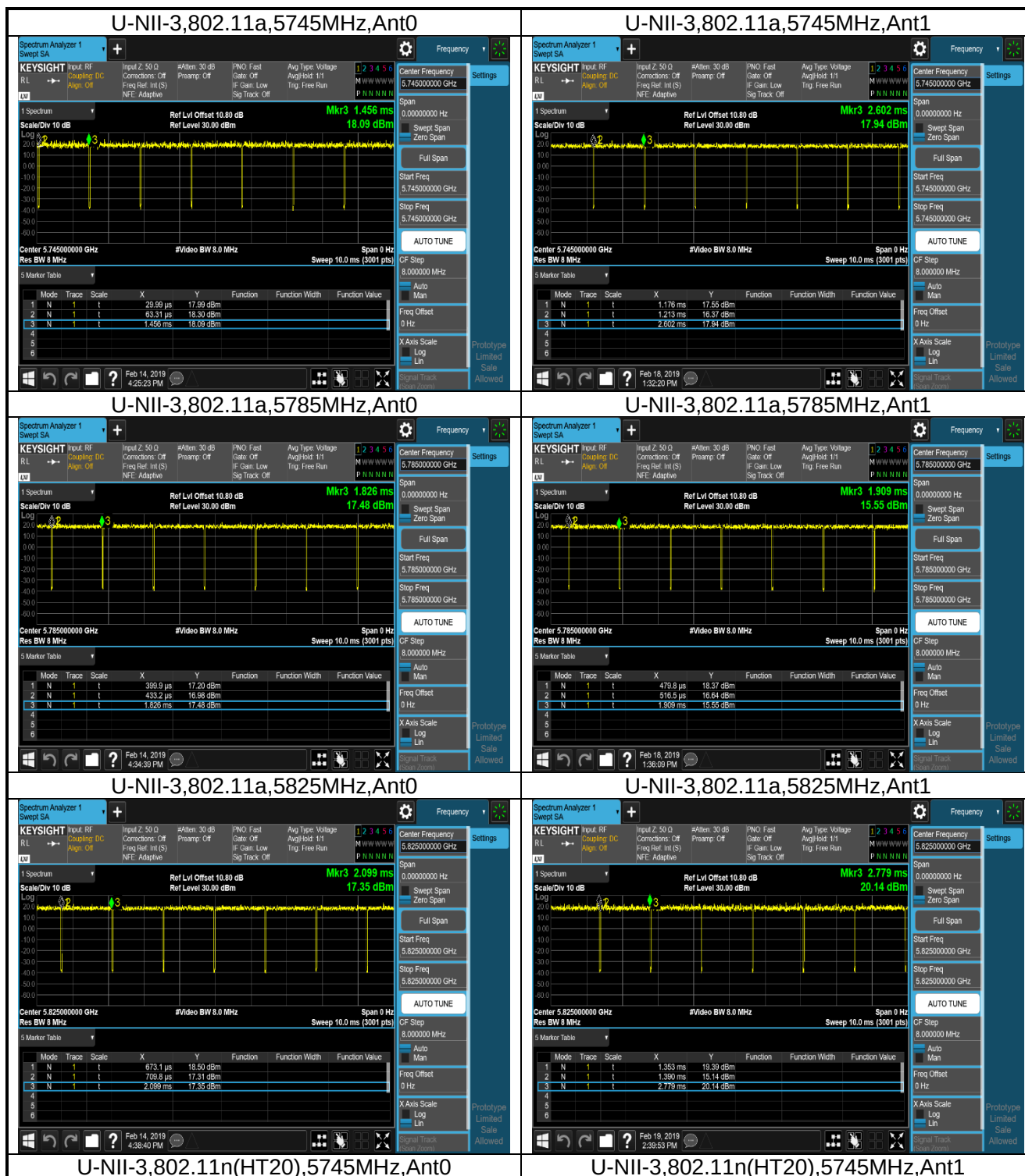


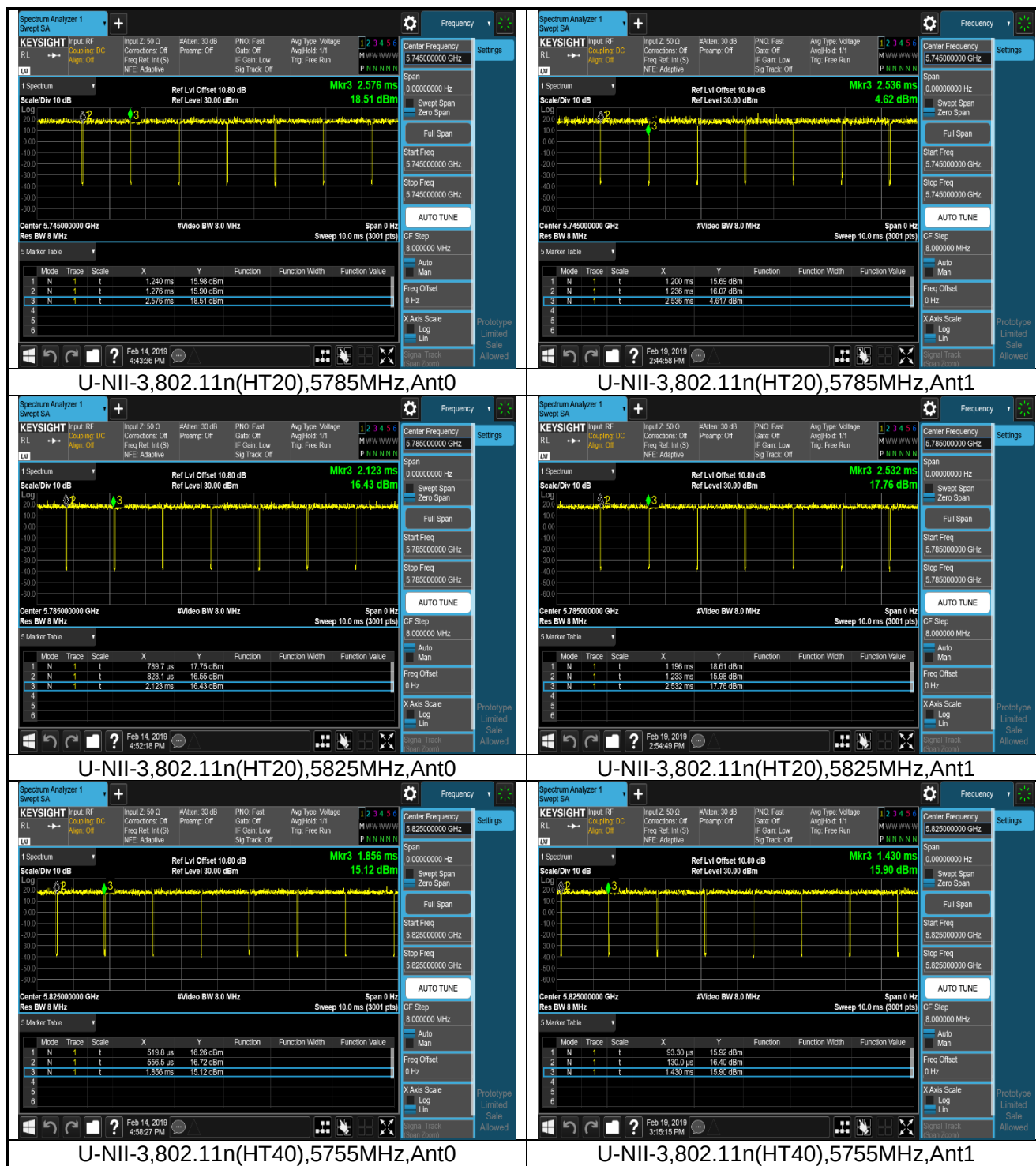
3. Duty Cycle

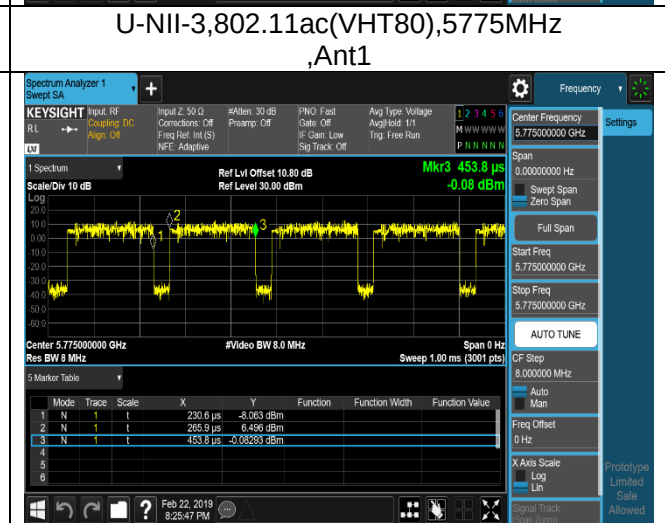
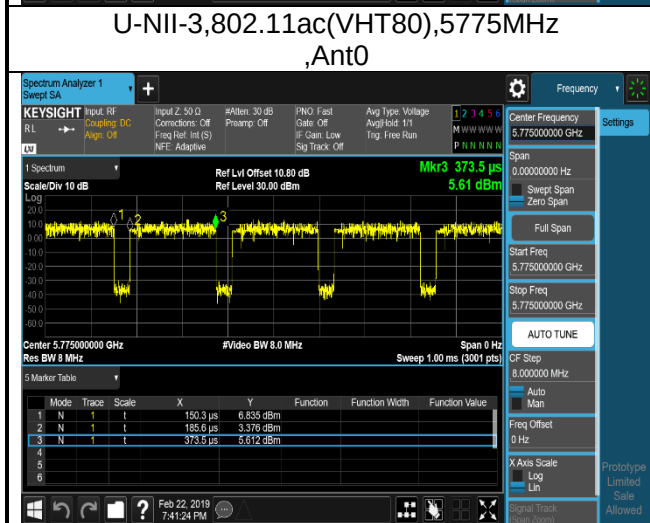
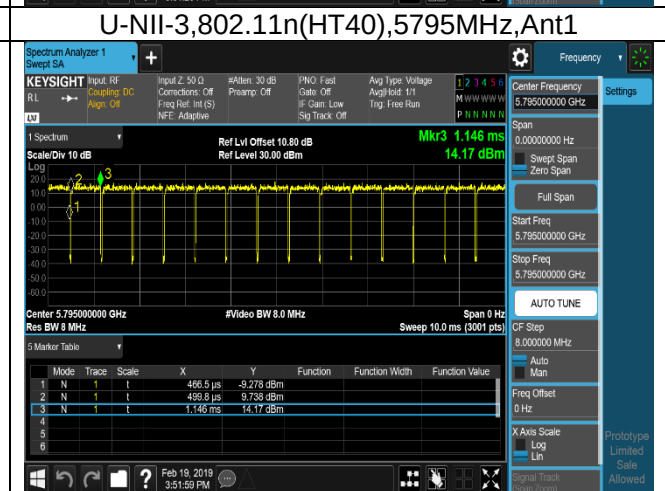
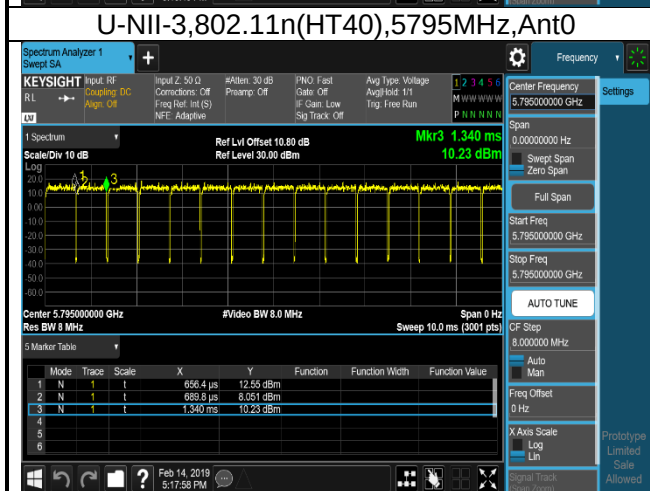
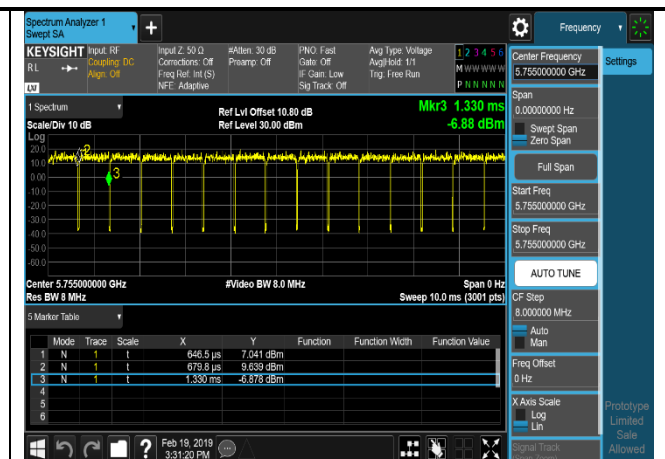
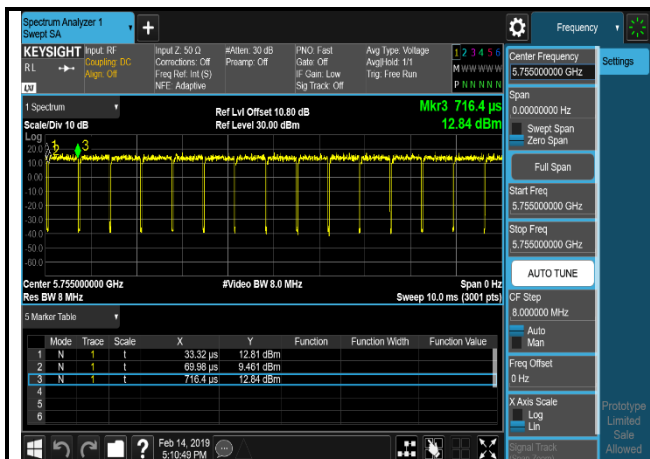
3.1 Test Data

U-NII-3 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5745	Ant0	97.66	0.10
802.11a	5745	Ant1	97.43	0.11
802.11a	5785	Ant0	97.66	0.10
802.11a	5785	Ant1	97.44	0.11
802.11a	5825	Ant0	97.43	0.11
802.11a	5825	Ant1	97.43	0.11
802.11n (HT20)	5745	Ant0	97.26	0.12
802.11n (HT20)	5745	Ant1	97.26	0.12
802.11n (HT20)	5785	Ant0	97.50	0.11
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	95.10	0.22
802.11ac (VHT80)	5775	Ant0	84.18	0.75
802.11ac (VHT80)	5775	Ant1	84.18	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	0.10	14.89	14.89	30	18.33	Pass
802.11a	5745	Ant1	0.11	14.25	14.25	30	17.62	Pass
802.11a	5785	Ant0	0.10	14.90	14.90	30	18.34	Pass
802.11a	5785	Ant1	0.11	14.44	14.44	30	17.81	Pass
802.11a	5825	Ant0	0.11	14.51	14.51	30	17.95	Pass
802.11a	5825	Ant1	0.11	14.29	14.29	30	17.66	Pass
802.11n (HT20)	5745	Ant0	0.12	14.27	17.10	30	20.51	Pass
802.11n (HT20)	5745	Ant1	0.12	13.90				
802.11n (HT20)	5785	Ant0	0.11	14.17	17.05	30	20.46	Pass
802.11n (HT20)	5785	Ant1	0.12	13.90				
802.11n (HT20)	5825	Ant0	0.12	13.88	16.80	30	20.21	Pass
802.11n (HT20)	5825	Ant1	0.12	13.70				
802.11n (HT40)	5755	Ant0	0.24	13.30	16.24	30	19.65	Pass
802.11n (HT40)	5755	Ant1	0.22	13.16				
802.11n (HT40)	5795	Ant0	0.22	13.32	16.27	30	19.68	Pass
802.11n (HT40)	5795	Ant1	0.22	13.20				
802.11ac (VHT80)	5775	Ant0	0.75	11.42	14.30	30	17.71	Pass
802.11ac (VHT80)	5775	Ant1	0.75	11.16				

4.2 Test Plots

