

TEST REPORT

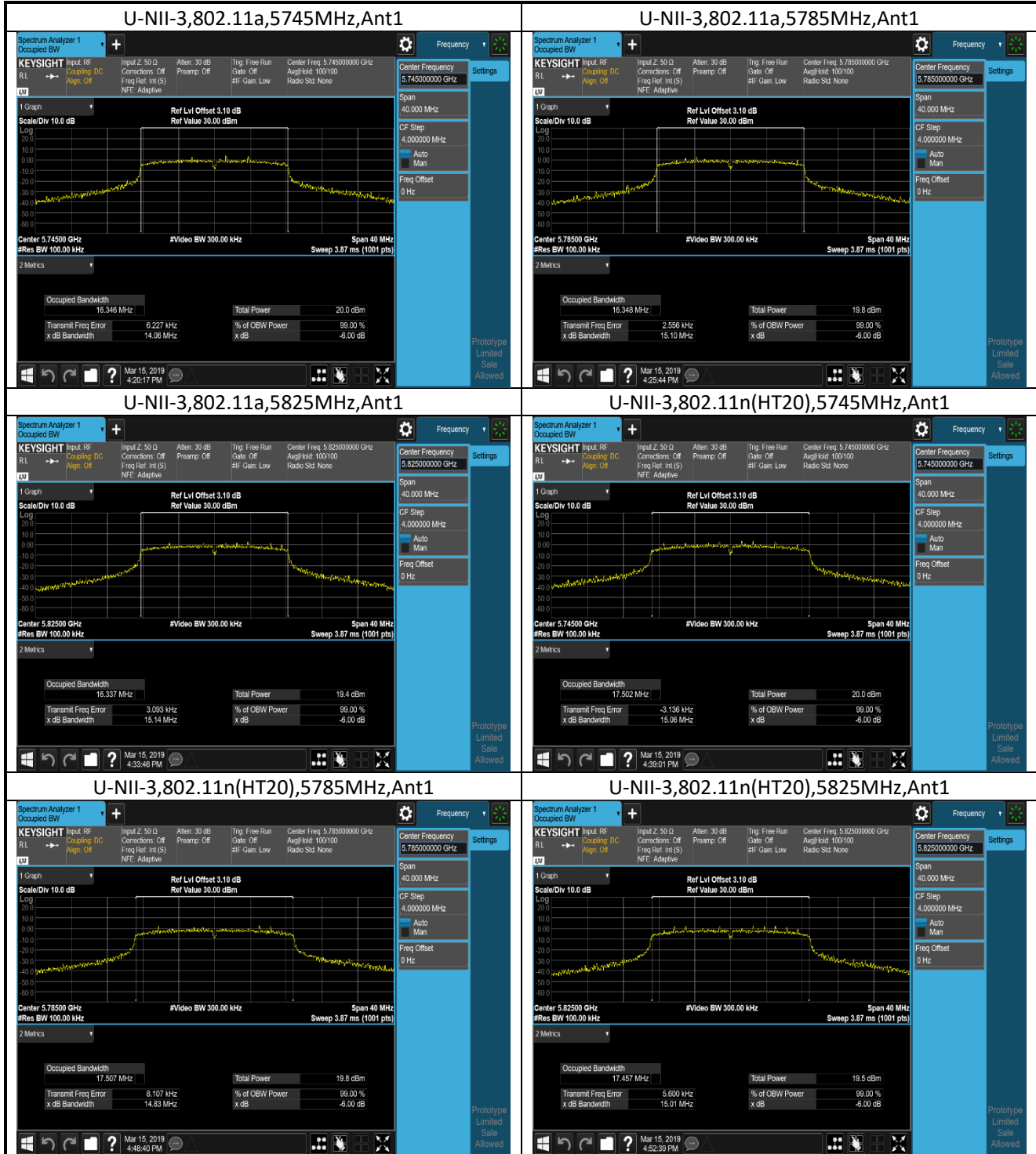
Appendix D: Test results of U-NII-3 Band

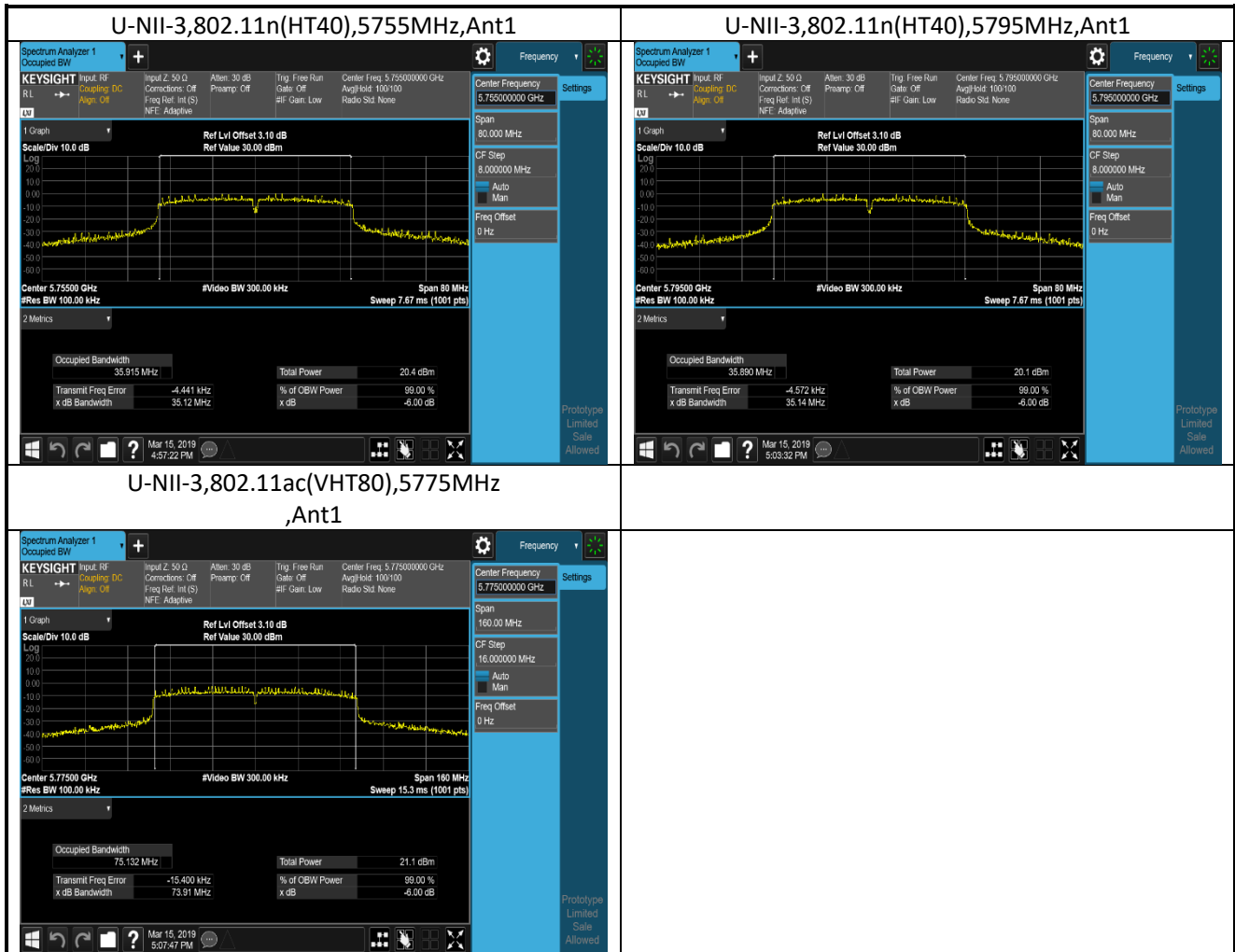
1. Occupied N dB Bandwidth

1.1 Test Data

U-NII-3 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant1	14.06	Pass
802.11a	5785	Ant1	15.10	Pass
802.11a	5825	Ant1	15.14	Pass
802.11n (HT20)	5745	Ant1	15.06	Pass
802.11n (HT20)	5785	Ant1	14.83	Pass
802.11n (HT20)	5825	Ant1	15.01	Pass
802.11n (HT40)	5755	Ant1	35.12	Pass
802.11n (HT40)	5795	Ant1	35.14	Pass
802.11ac (VHT80)	5775	Ant1	73.91	Pass

1.2 Test Plots





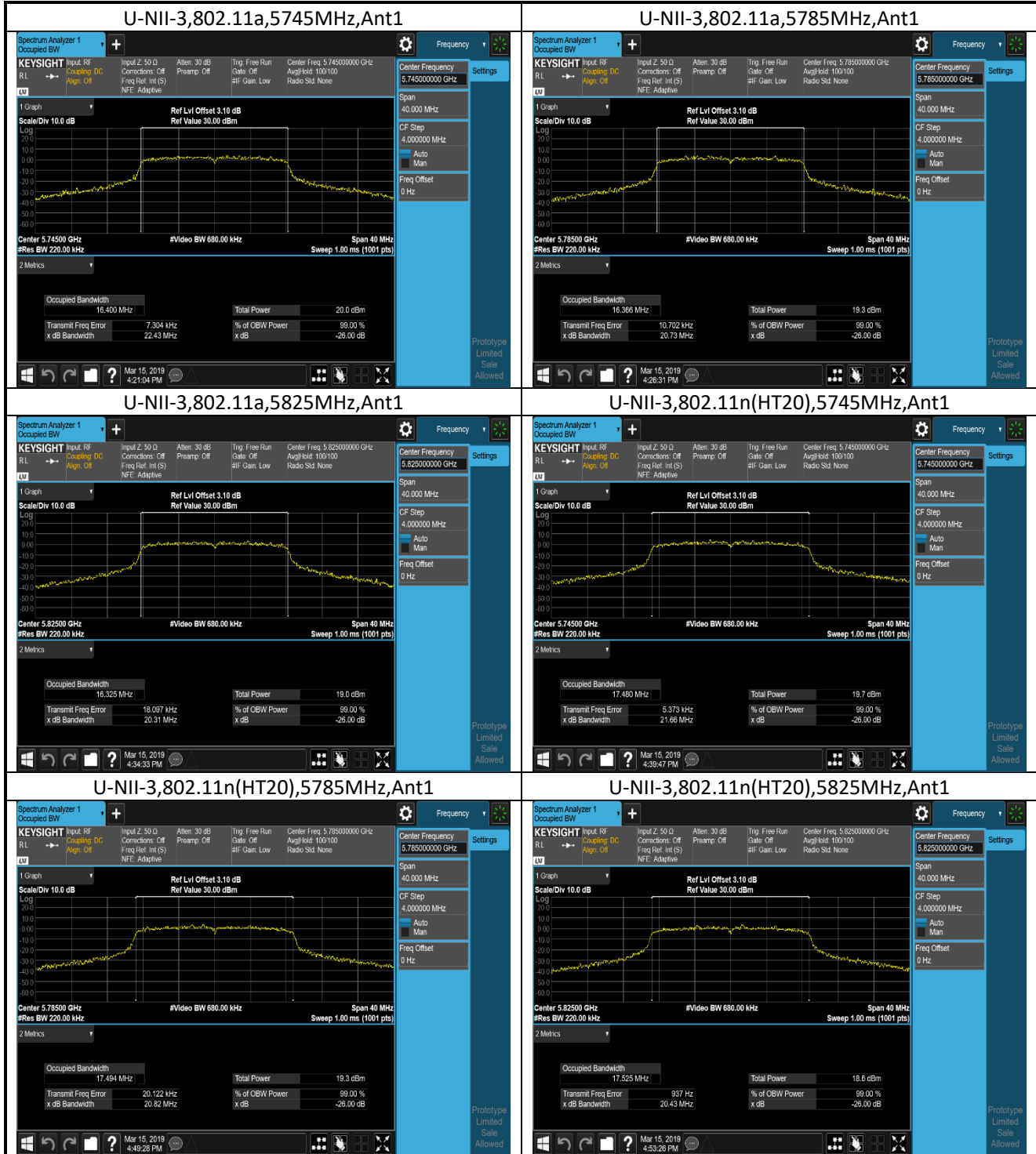
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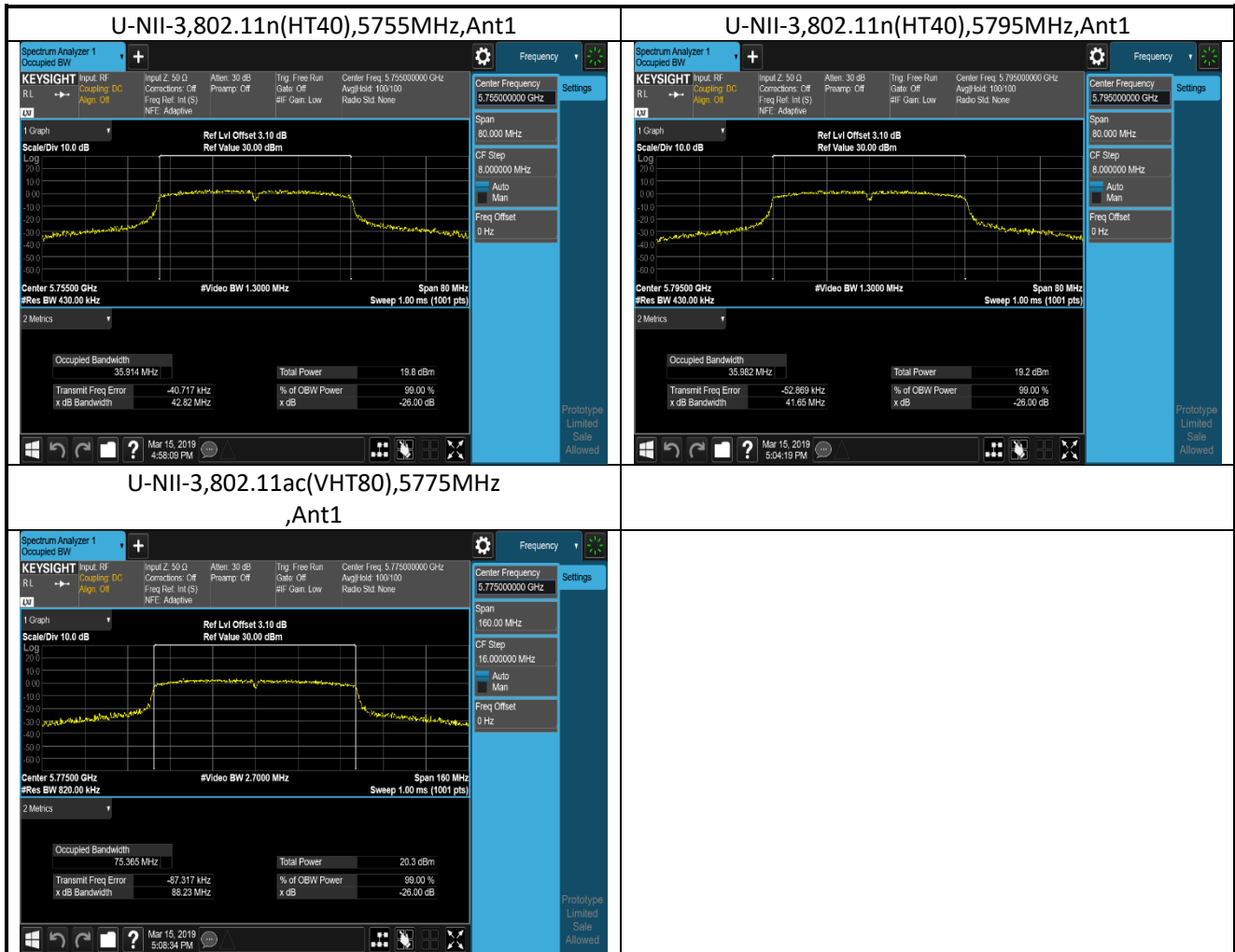
2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-3 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant1	16.400	Pass
802.11a	5785	Ant1	16.366	Pass
802.11a	5825	Ant1	16.325	Pass
802.11n (HT20)	5745	Ant1	17.480	Pass
802.11n (HT20)	5785	Ant1	17.494	Pass
802.11n (HT20)	5825	Ant1	17.525	Pass
802.11n (HT40)	5755	Ant1	35.914	Pass
802.11n (HT40)	5795	Ant1	35.982	Pass
802.11ac (VHT80)	5775	Ant1	75.365	Pass

2.2 Test Plots





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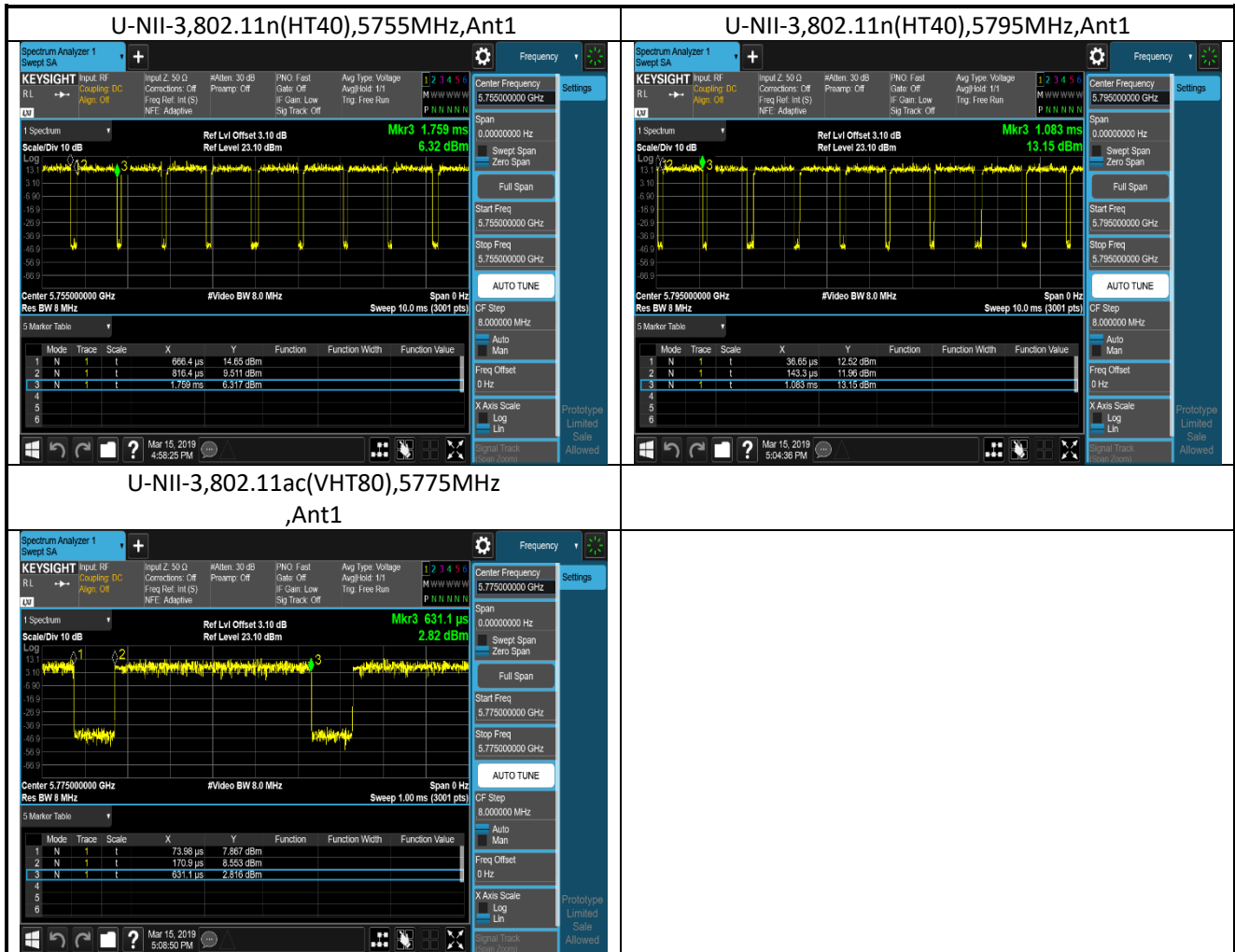
3. Duty Cycle

3.1 Test Data

U-NII-3 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5745	Ant1	95.05	0.22
802.11a	5785	Ant1	93.18	0.31
802.11a	5825	Ant1	95.05	0.22
802.11n (HT20)	5745	Ant1	94.23	0.26
802.11n (HT20)	5785	Ant1	93.47	0.29
802.11n (HT20)	5825	Ant1	93.46	0.29
802.11n (HT40)	5755	Ant1	86.28	0.64
802.11n (HT40)	5795	Ant1	89.81	0.47
802.11ac (VHT80)	5775	Ant1	82.60	0.83

3.2 Test Plots





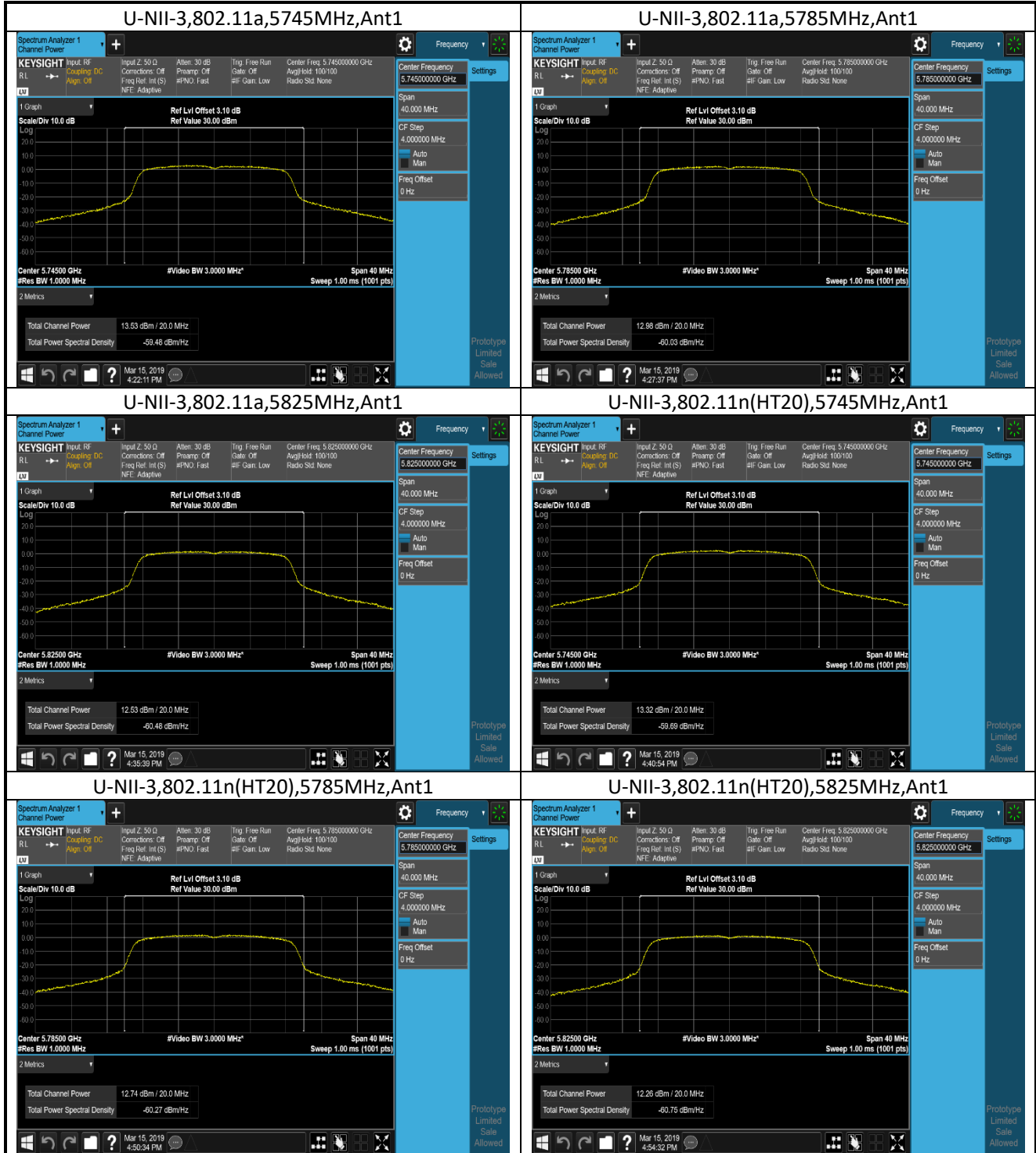
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4. AVGSA Output Power

4.1 Test Data

U-NII-3 AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5745	Ant1	0.22	13.75	30	18.45	Pass
802.11a	5785	Ant1	0.31	13.29	30	17.99	Pass
802.11a	5825	Ant1	0.22	12.75	30	17.45	Pass
802.11n (HT20)	5745	Ant1	0.26	13.58	30	18.28	Pass
802.11n (HT20)	5785	Ant1	0.29	13.03	30	17.73	Pass
802.11n (HT20)	5825	Ant1	0.29	12.55	30	17.25	Pass
802.11n (HT40)	5755	Ant1	0.64	13.62	30	18.32	Pass
802.11n (HT40)	5795	Ant1	0.47	13.03	30	17.73	Pass
802.11ac (VHT80)	5775	Ant1	0.83	13.30	30	18.00	Pass

4.2 Test Plots





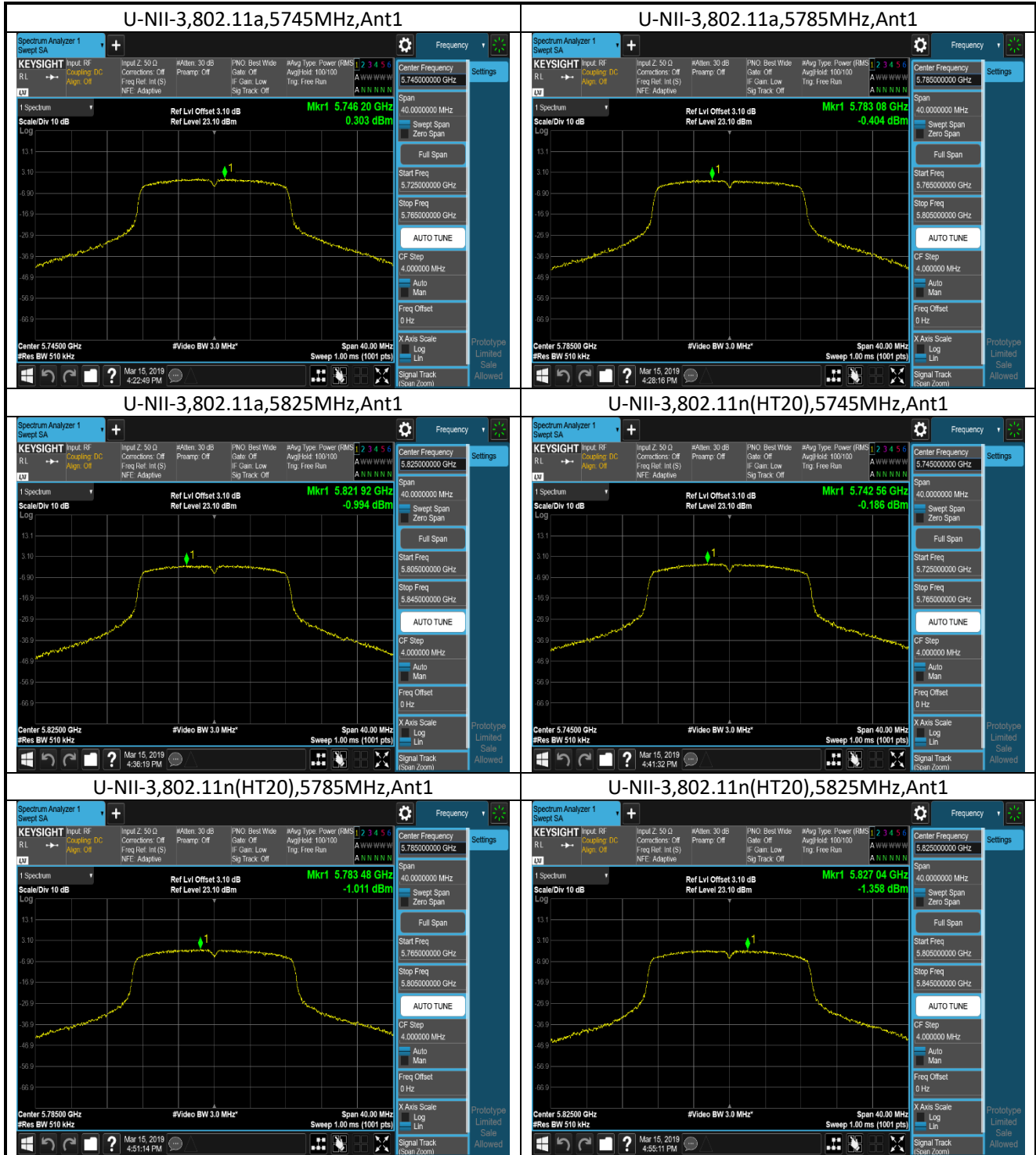
TEST REPORT

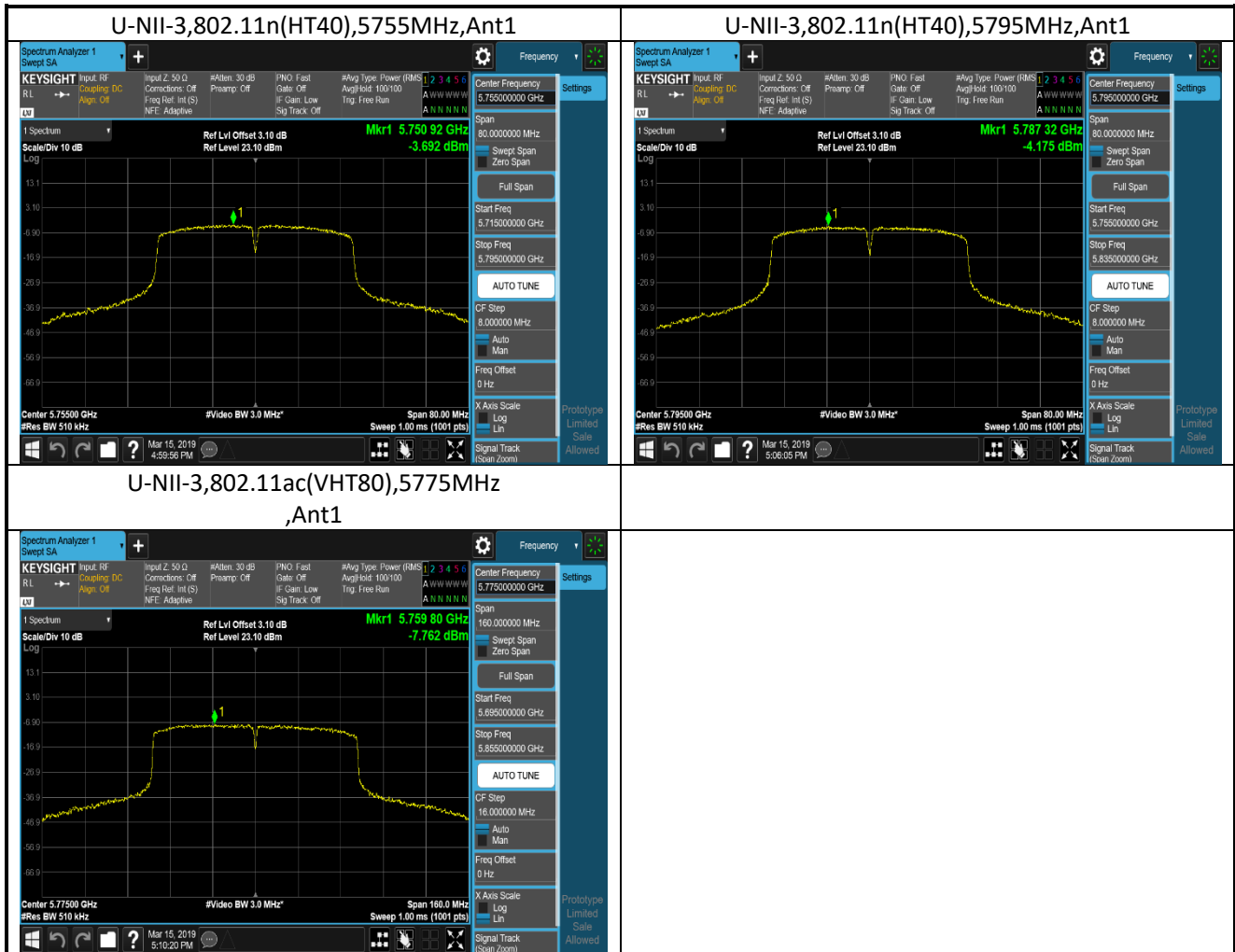
5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-3 AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5745	Ant1	0.22	0.523	510	30	Pass
802.11a	5785	Ant1	0.31	-0.094	510	30	Pass
802.11a	5825	Ant1	0.22	-0.774	510	30	Pass
802.11n (HT20)	5745	Ant1	0.26	0.074	510	30	Pass
802.11n (HT20)	5785	Ant1	0.29	-0.721	510	30	Pass
802.11n (HT20)	5825	Ant1	0.29	-1.068	510	30	Pass
802.11n (HT40)	5755	Ant1	0.64	-3.052	510	30	Pass
802.11n (HT40)	5795	Ant1	0.47	-3.705	510	30	Pass
802.11ac (VHT80)	5775	Ant1	0.83	-6.932	510	30	Pass

5.2 Test Plots





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