

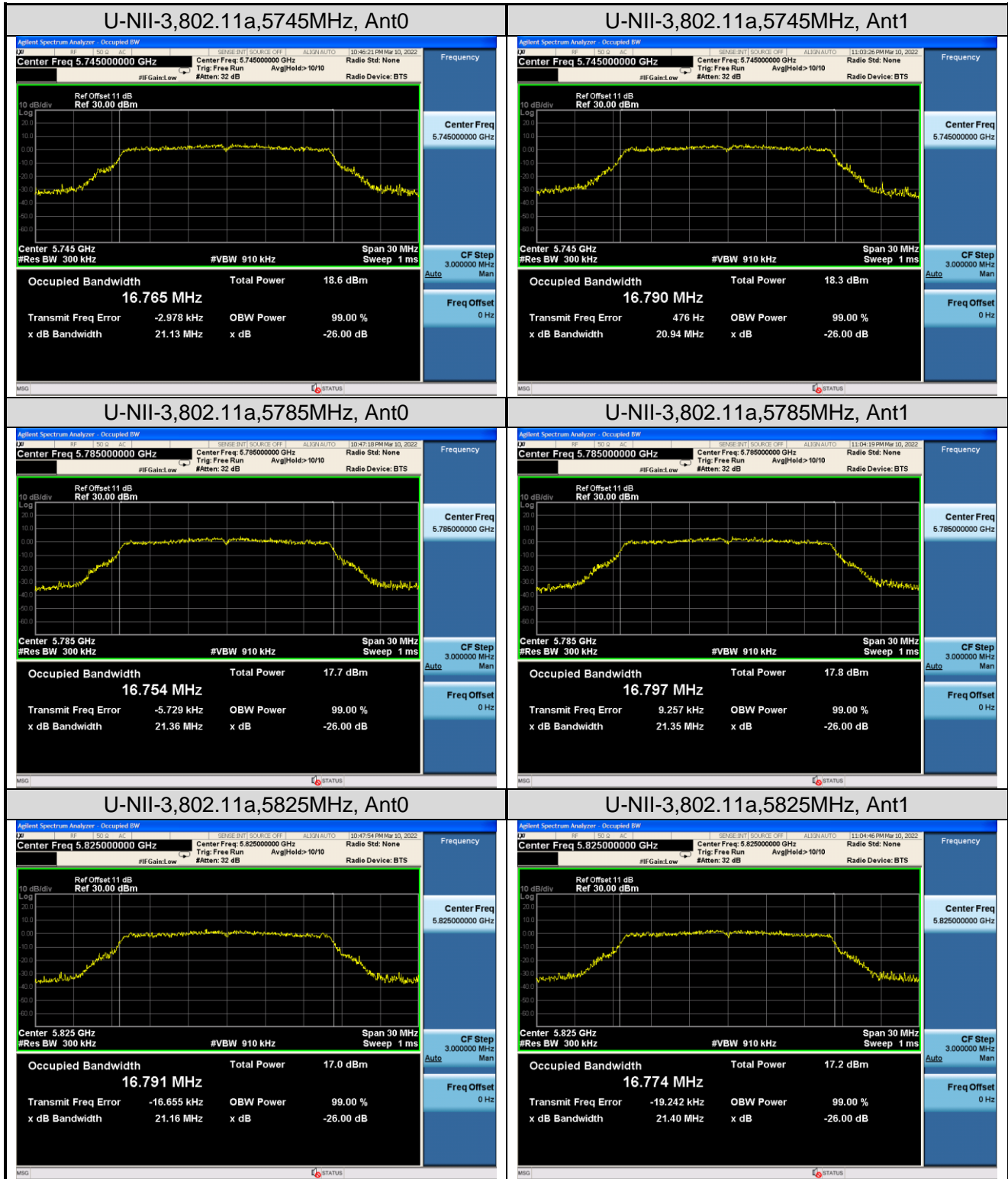
Appendix D: Test results

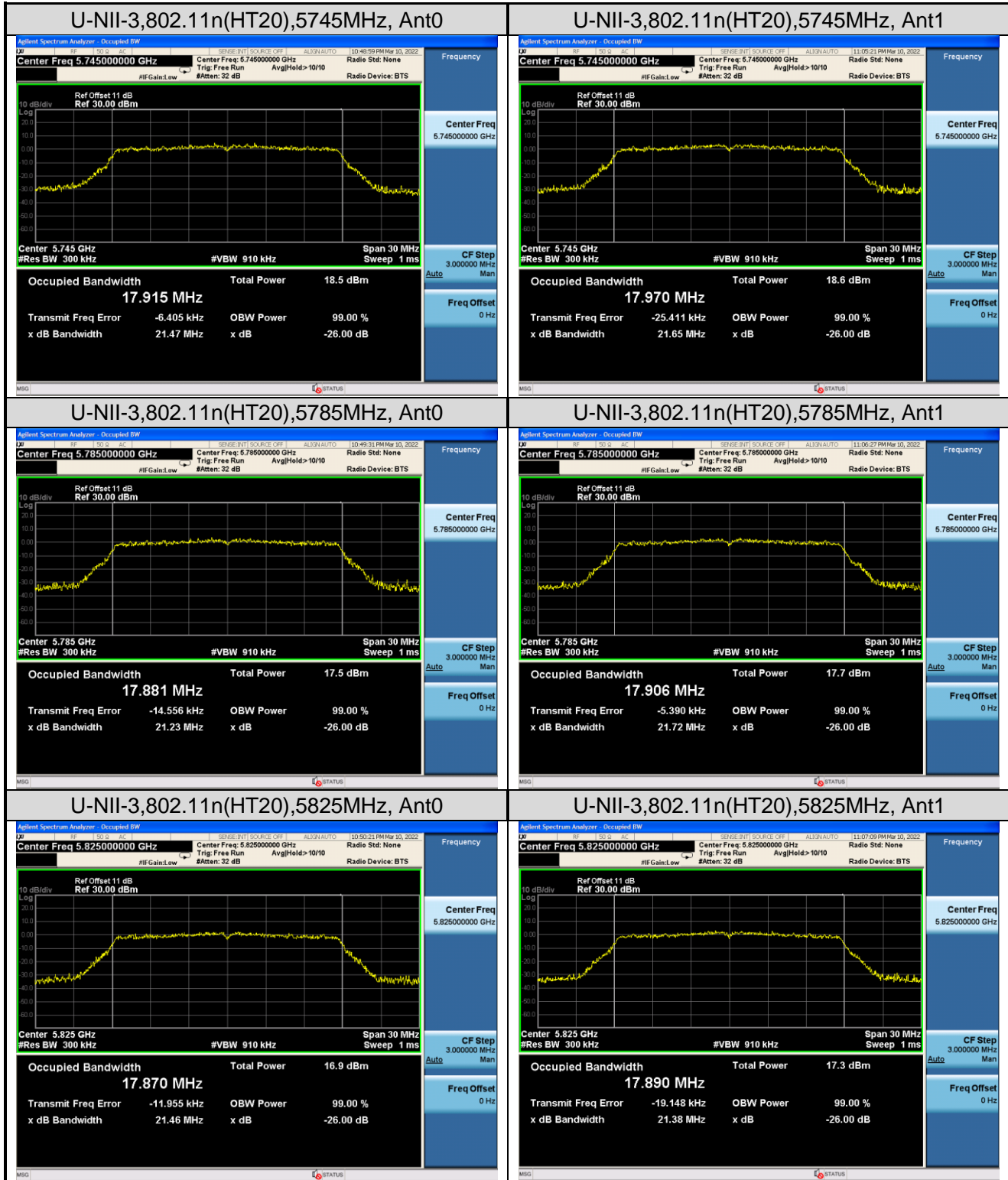
1 26 dB Bandwidth & 99% Occupied Bandwidth

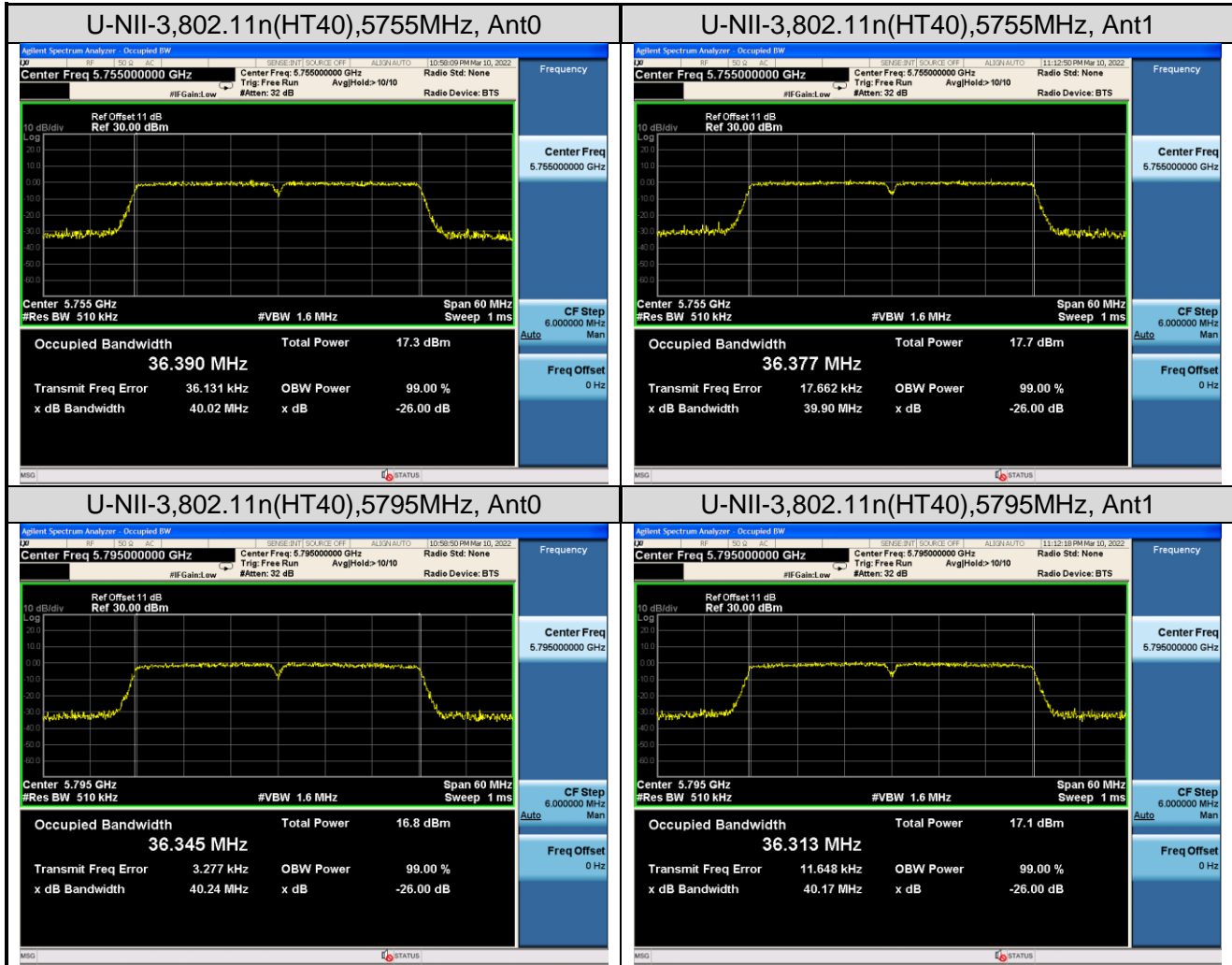
1.1 Test Data

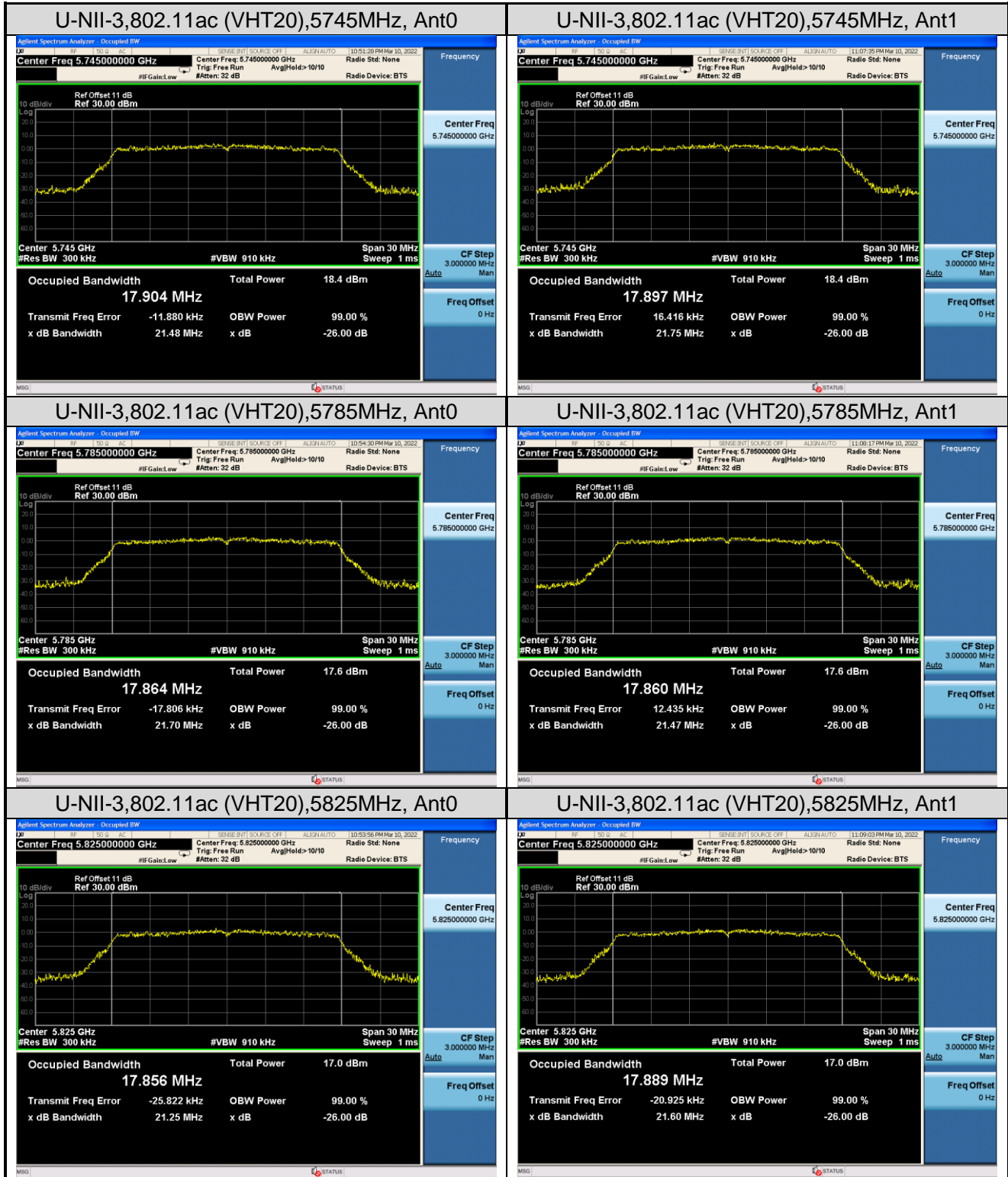
U-NII-3 26 dB Bandwidth & 99% Occupied Bandwidth					
Mode	Test Frequency (MHz)	Ant	26 dB Bandwidth	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	21.13	16.765	Pass
		Ant1	20.94	16.790	Pass
	5785	Ant0	21.36	16.754	Pass
		Ant1	21.35	16.797	Pass
	5825	Ant0	21.16	16.791	Pass
		Ant1	21.40	16.774	Pass
802.11n (HT20)	5745	Ant0	21.47	17.915	Pass
		Ant1	21.65	17.970	Pass
	5785	Ant0	21.23	17.881	Pass
		Ant1	21.72	17.906	Pass
	5825	Ant0	21.46	17.870	Pass
		Ant1	21.38	17.890	Pass
802.11n (HT40)	5755	Ant0	40.02	36.390	Pass
		Ant1	39.90	36.377	Pass
	5795	Ant0	40.24	36.345	Pass
		Ant1	40.17	36.313	Pass
802.11ac (VHT20)	5745	Ant0	21.48	17.904	Pass
		Ant1	21.75	17.897	Pass
	5785	Ant0	21.70	17.864	Pass
		Ant1	21.47	17.860	Pass
	5825	Ant0	21.25	17.865	Pass
		Ant1	21.60	17.889	Pass
802.11ac (VHT40)	5755	Ant0	40.22	36.456	Pass
		Ant1	40.01	36.410	Pass
	5795	Ant0	40.26	36.318	Pass
		Ant1	39.80	36.305	Pass
802.11ac (VHT80)	5775	Ant0	81.55	76.085	Pass
		Ant1	81.92	76.123	Pass

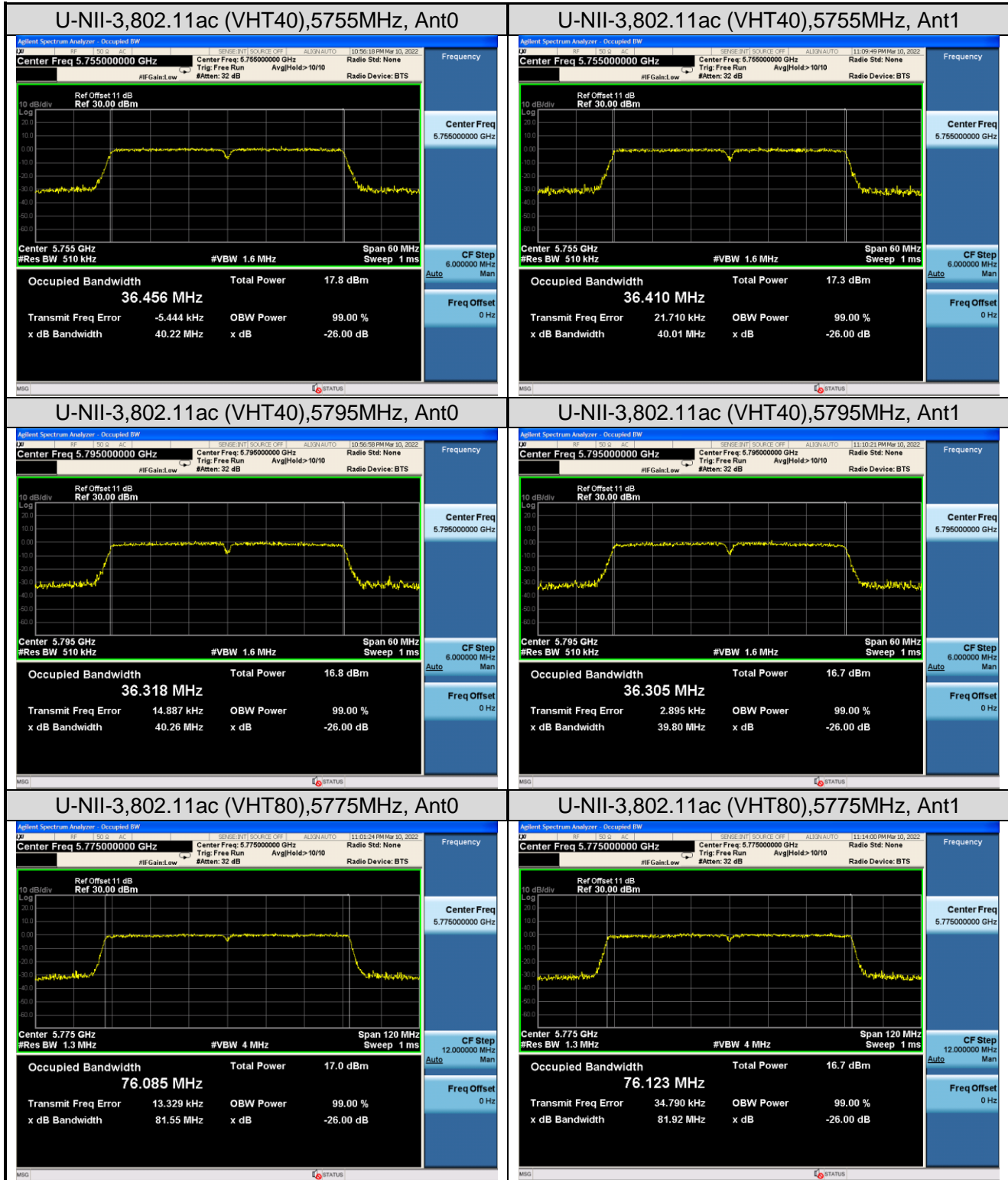
1.2 Test Plots











TEST REPORT

2 AVGSA Output Power

2.1 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)	Result
802.11a	5745	Ant0	0.31	11.30	11.30	30	Pass
		Ant1		13.35			13.35
	5785	Ant0		11.10	11.10	30	Pass
		Ant1		13.23			13.23
	5825	Ant0		11.12	11.12	30	Pass
		Ant1		13.06			13.06
802.11n (HT20)	5745	Ant0	0.31	15.81	19.45	30	Pass
		Ant1		17.00			17.00
	5785	Ant0		15.62	19.21	30	Pass
		Ant1		16.71			16.71
	5825	Ant0		15.88	19.37	30	Pass
		Ant1		16.79			16.79
802.11n (HT40)	5755	Ant0	0.33	15.81	19.27	30	Pass
		Ant1		16.68			16.68
	5795	Ant0		15.95	19.30	30	Pass
		Ant1		16.61			16.61
802.11ac (VHT20)	5745	Ant0	0.31	15.97	19.47	30	Pass
		Ant1		16.90			16.90
	5785	Ant0		15.93	19.35	30	Pass
		Ant1		16.71			16.71
	5825	Ant0		15.99	19.42	30	Pass
		Ant1		16.79			16.79
802.11ac (VHT40)	5755	Ant0	0.62	16.89	20.27	30	Pass
		Ant1		17.61			17.61
	5795	Ant0		16.90	20.29	30	Pass
		Ant1		17.64			17.64
802.11ac (VHT80)	5775	Ant0	1.17	16.37	19.83	30	Pass
		Ant1		17.23			17.23

TEST REPORT

3 AVGSA Power Spectral Density

3.1 Test Data

U-NII-3 AVGSA Power Spectral Density								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Total PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5745	Ant0	0.31	1.094	---	510	30	Pass
		Ant1		1.247				---
	5785	Ant0		1.834	---	510	30	Pass
		Ant1		1.002				---
	5825	Ant0		1.834	---	510	30	Pass
		Ant1		0.814				---
802.11n (HT20)	5745	Ant0	0.31	3.460	7.47	510	30	Pass
		Ant1		5.265				
	5785	Ant0		3.393	7.56	510	30	Pass
		Ant1		5.456				
	5825	Ant0		3.441	7.49	510	30	Pass
		Ant1		5.321				
802.11n (HT40)	5755	Ant0	0.33	0.566	3.54	510	30	Pass
		Ant1		0.493				
	5795	Ant0		0.260	3.46	510	30	Pass
		Ant1		0.639				
802.11ac (VHT20)	5745	Ant0	0.33	3.479	7.57	510	30	Pass
		Ant1		5.422				
	5785	Ant0		3.522	7.63	510	30	Pass
		Ant1		5.491				
	5825	Ant0		2.961	7.35	510	30	Pass
		Ant1		5.379				
802.11ac (VHT40)	5755	Ant0	0.62	0.760	3.77	510	30	Pass
		Ant1		0.753				
	5795	Ant0		0.390	3.52	510	30	Pass
		Ant1		0.621				
802.11ac (VHT80)	5775	Ant0	1.17	-4.156	-1.05	510	30	Pass
		Ant1		-3.971				

3.2 Test Plots

