

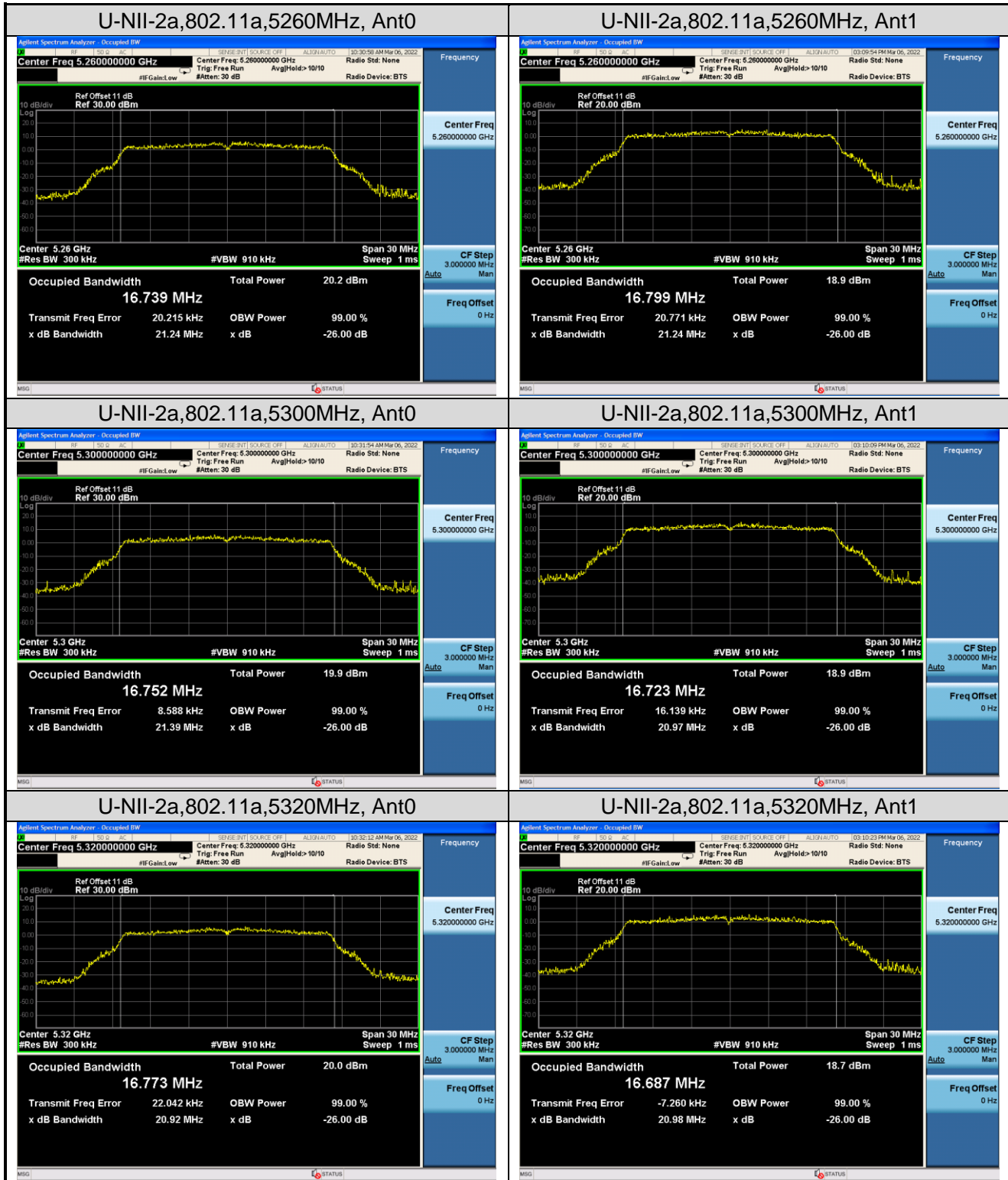
Appendix B: Test results

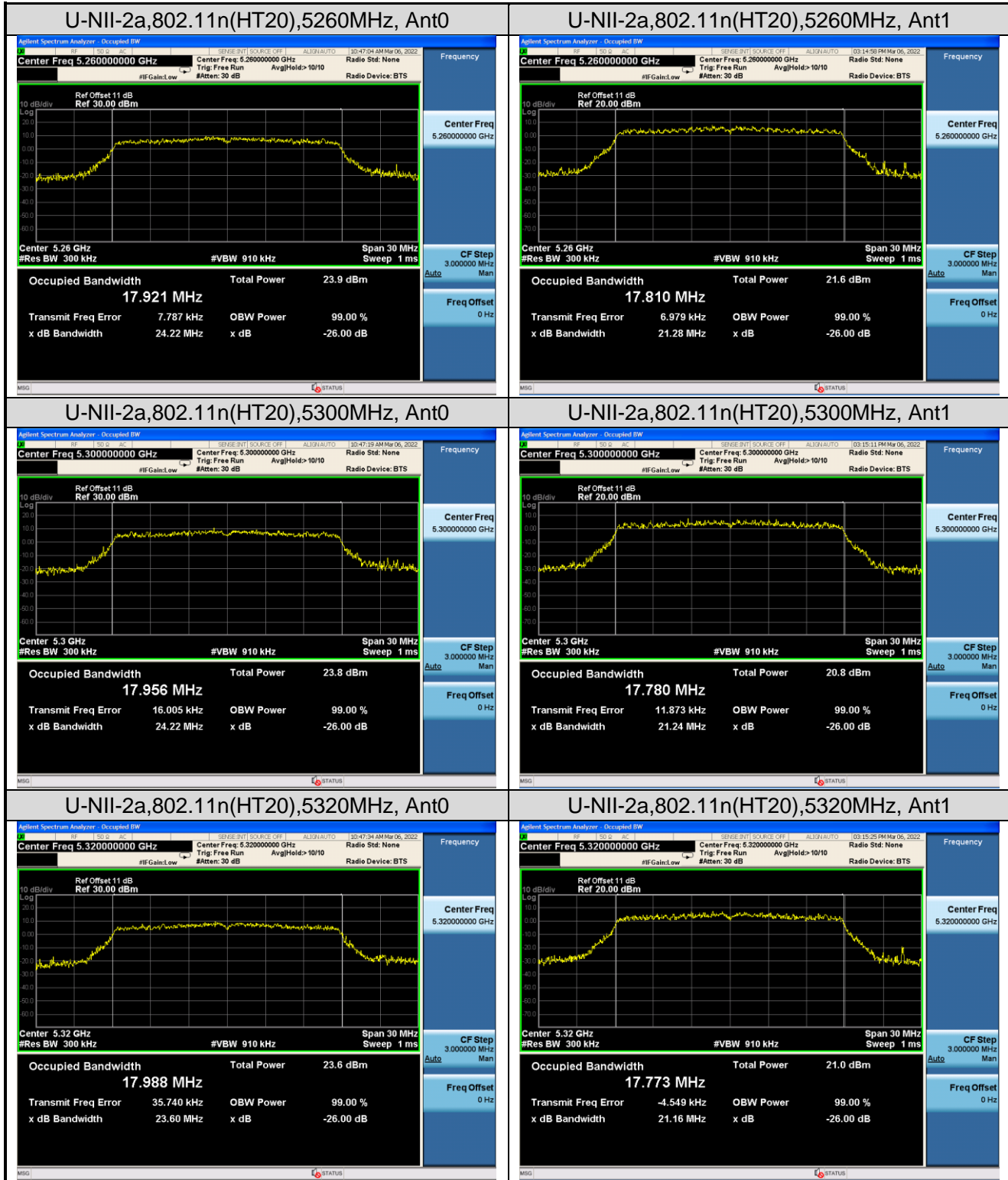
1 26 dB Bandwidth & 99% Occupied Bandwidth

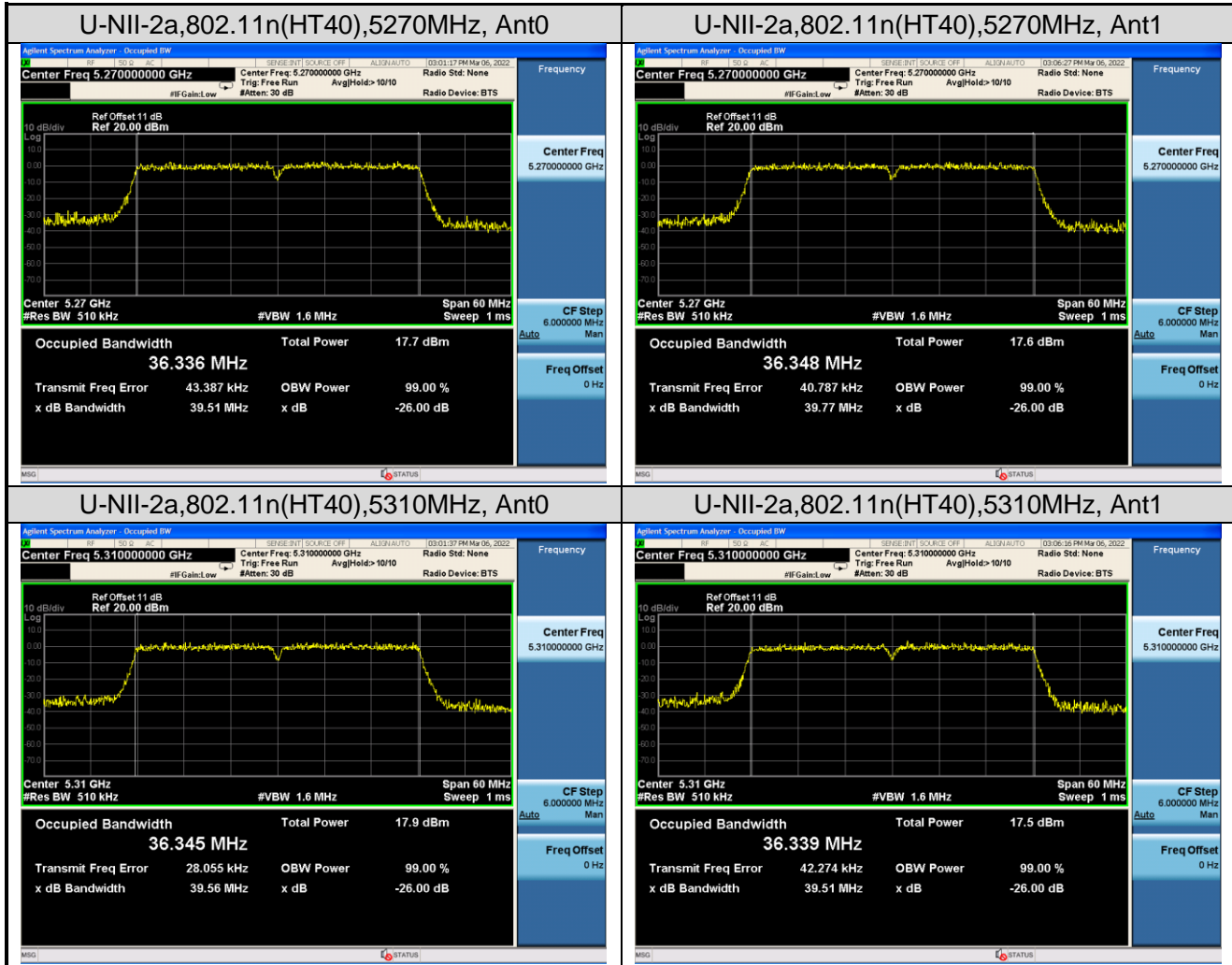
1.1 Test Data

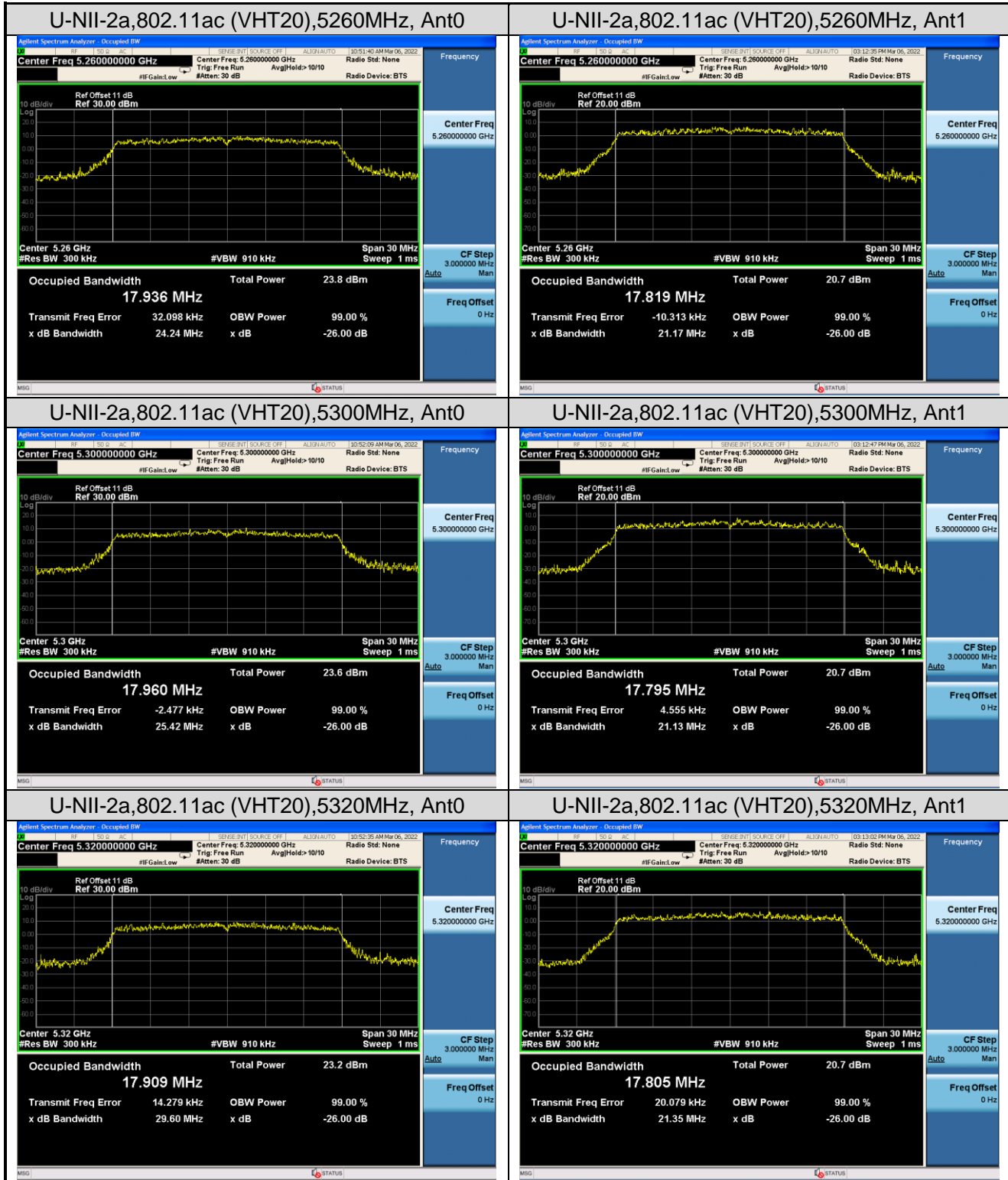
U-NII-2a 26 dB Bandwidth & 99% Occupied Bandwidth					
Mode	Test Frequency (MHz)	Ant	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant0	21.24	16.739	Pass
		Ant1	21.24	16.799	Pass
	5300	Ant0	21.39	16.752	Pass
		Ant1	20.97	16.723	Pass
	5320	Ant0	20.92	16.773	Pass
		Ant1	20.98	16.687	Pass
802.11n (HT20)	5260	Ant0	24.22	17.921	Pass
		Ant1	21.28	17.810	Pass
	5300	Ant0	24.22	17.956	Pass
		Ant1	21.24	17.78	Pass
	5320	Ant0	23.60	17.988	Pass
		Ant1	21.16	17.773	Pass
802.11n (HT40)	5270	Ant0	39.51	36.336	Pass
		Ant1	39.77	36.348	Pass
	5310	Ant0	39.56	36.345	Pass
		Ant1	39.51	36.339	Pass
802.11ac (VHT20)	5260	Ant0	24.24	17.936	Pass
		Ant1	21.17	17.819	Pass
	5300	Ant0	25.42	17.960	Pass
		Ant1	21.13	17.795	Pass
	5320	Ant0	29.60	17.909	Pass
		Ant1	21.35	17.805	Pass
802.11ac (VHT40)	5270	Ant0	39.55	36.431	Pass
		Ant1	39.54	36.268	Pass
	5310	Ant0	39.55	36.311	Pass
		Ant1	39.22	36.370	Pass
802.11ac (VHT80)	5290	Ant0	81.19	76.126	Pass
		Ant1	81.25	76.072	Pass

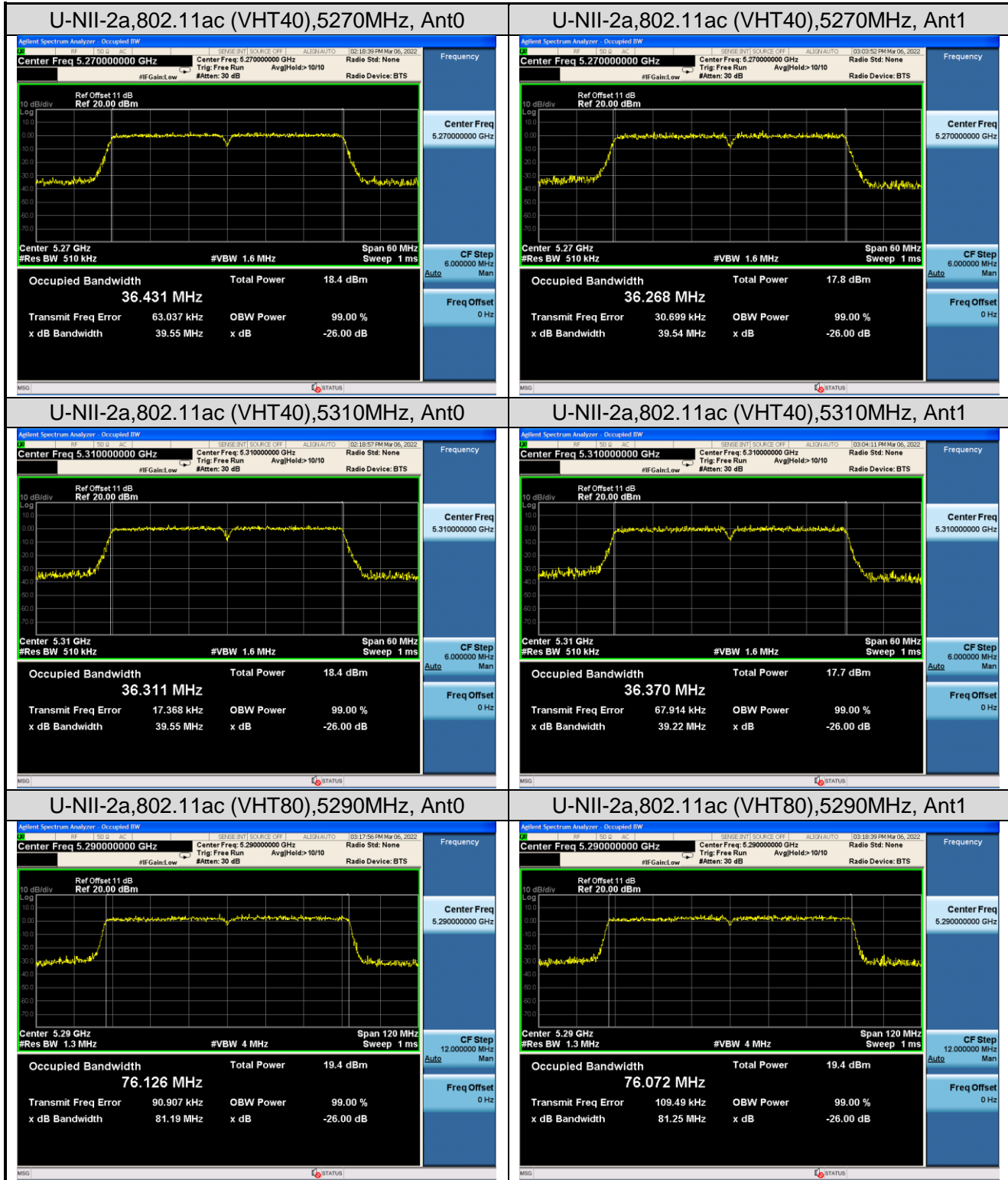
1.2 Test Plots











2 AVGSA Output Power

2.1 Test Data

U-NII-2a AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	FCC Limit (dBm)	EIRP (dBm)	IC EIRP Limit (dBm)
802.11a	5260	Ant0	0.31	12.26	12.26	24	16.20	23
		Ant1		13.73				
	5300	Ant0		12.16	12.16	24	16.10	23
		Ant1		14.06				
	5320	Ant0		12.21	12.21	24	16.15	23
		Ant1		14.02				
802.11n (HT20)	5260	Ant0	0.31	14.63	18.22	24	22.16	23
		Ant1		15.72				
	5300	Ant0		14.83	18.19	24	22.13	23
		Ant1		15.51				
	5320	Ant0		14.79	18.24	24	22.18	23
		Ant1		15.62				
802.11n (HT40)	5270	Ant0	0.33	9.37	12.96	24	16.90	24
		Ant1		10.46				
	5310	Ant0		9.30	12.88	24	16.82	24
		Ant1		10.38				
802.11ac (VHT20)	5260	Ant0	0.31	14.73	18.16	24	22.10	23
		Ant1		15.54				
	5300	Ant0		14.62	18.11	24	22.05	23
		Ant1		15.53				
	5320	Ant0		14.85	18.24	24	22.18	23
		Ant1		15.57				
802.11ac (VHT40)	5270	Ant0	0.62	10.07	13.71	24	17.65	24
		Ant1		11.26				
	5310	Ant0		10.20	13.79	24	17.73	24
		Ant1		11.29				
802.11ac (VHT80)	5290	Ant0	1.17	13.71	17.20	24	21.14	24
		Ant1		14.62				

3 AVGSA Power Spectral Density

3.1 Test Data

U-NII-2a 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	5260	Ant0	0.31	4.716	---	1000	11	Pass
		Ant1		3.302	---	1000	11	Pass
	5300	Ant0		4.379	---	1000	11	Pass
		Ant1		3.488	---	1000	11	Pass
	5320	Ant0		4.495	---	1000	11	Pass
		Ant1		3.496	---	1000	11	Pass
802.11n (HT20)	5260	Ant0	0.31	4.958	9.32	1000	11	Pass
		Ant1		7.333				
	5300	Ant0		5.077	9.23	1000	11	Pass
		Ant1		7.121				
	5320	Ant0		5.192	9.21	1000	11	Pass
		Ant1		7.014				
802.11n (HT40)	5270	Ant0	0.33	-1.112	1.35	1000	11	Pass
		Ant1		-2.298				
	5310	Ant0		-1.264	1.15	1000	11	Pass
		Ant1		-2.542				
802.11ac (VHT20)	5260	Ant0	0.33	6.352	9.87	1000	11	Pass
		Ant1		7.315				
	5300	Ant0		6.332	9.70	1000	11	Pass
		Ant1		7.026				
	5320	Ant0		6.223	9.65	1000	11	Pass
		Ant1		7.015				
802.11ac (VHT40)	5270	Ant0	0.62	-1.192	1.27	1000	11	Pass
		Ant1		-2.361				
	5310	Ant0		-1.437	1.01	1000	11	Pass
		Ant1		-2.659				
802.11ac (VHT80)	5290	Ant0	1.17	-3.266	-0.48	1000	11	Pass
		Ant1		-3.718				

3.2 Test Plots

