

Appendix C: Test results

1 26 dB Bandwidth & 99% Occupied Bandwidth

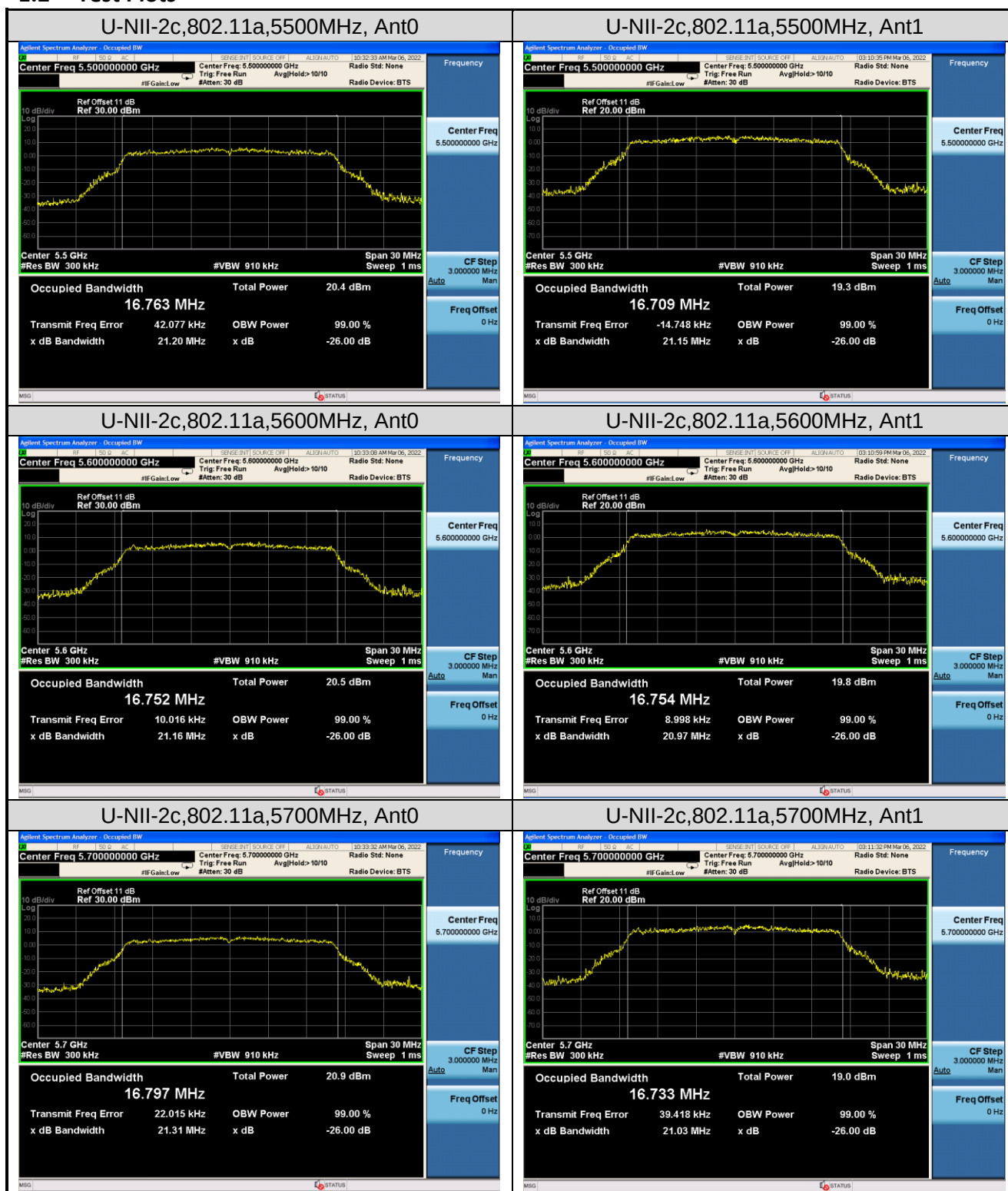
1.1 Test Data

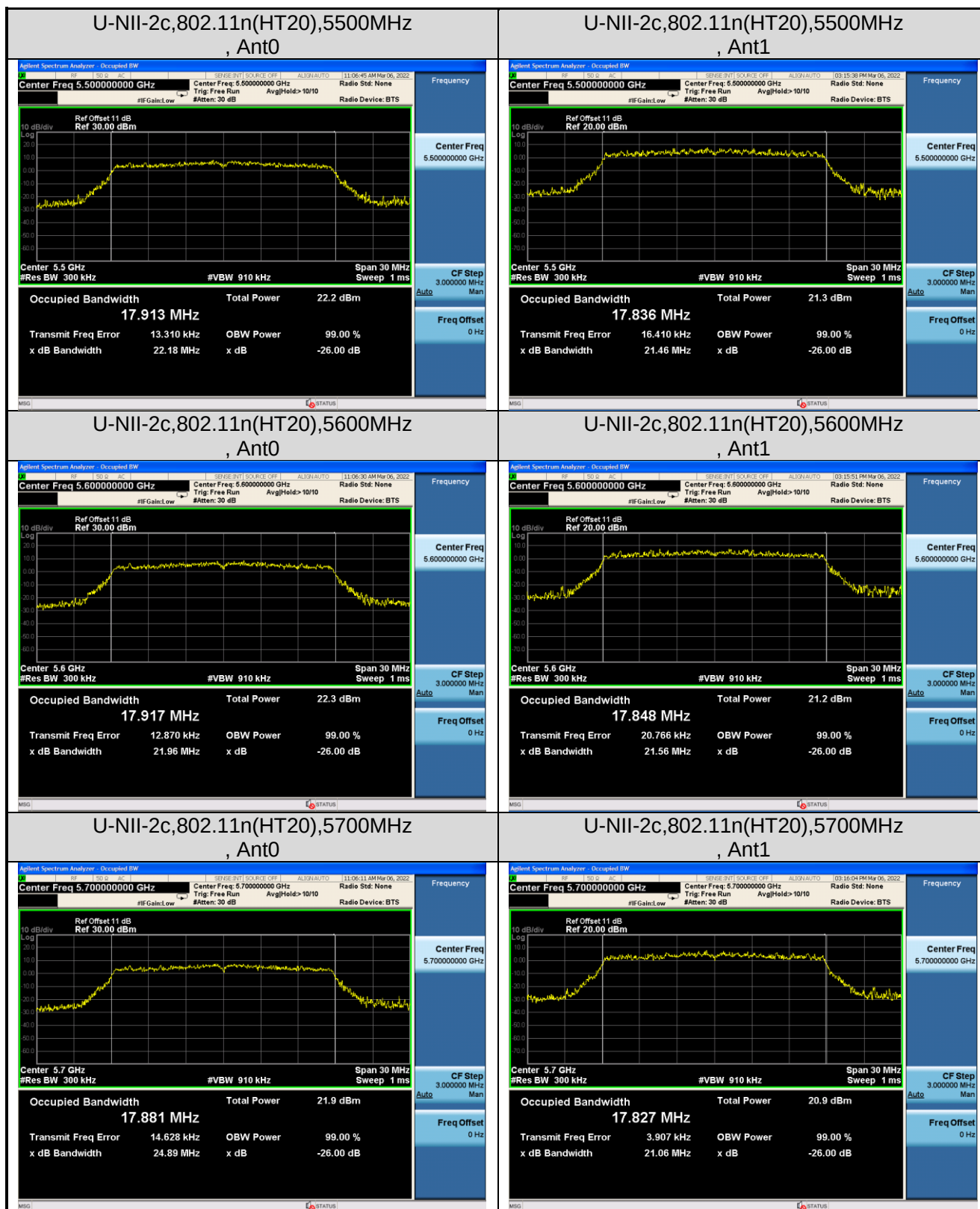
U-NII-2c 26 dB Bandwidth & 99% Occupied Bandwidth					
Mode	Test Frequency (MHz)	Ant	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant0	21.20	16.763	Pass
		Ant1	21.45	16.709	Pass
	5600	Ant0	21.16	16.752	Pass
		Ant1	20.97	16.754	Pass
	5700	Ant0	21.31	16.797	Pass
		Ant1	21.03	16.733	Pass
802.11n (HT20)	5500	Ant0	22.18	17.913	Pass
		Ant1	21.46	17.836	Pass
	5600	Ant0	21.96	17.917	Pass
		Ant1	21.56	17.848	Pass
	5700	Ant0	24.89	17.881	Pass
		Ant1	21.06	17.827	Pass
802.11n (HT40)	5510	Ant0	39.94	36.339	Pass
		Ant1	39.70	36.312	Pass
	5590	Ant0	39.64	36.330	Pass
		Ant1	39.05	36.329	Pass
	5670	Ant0	39.48	36.318	Pass
		Ant1	40.03	36.349	Pass
802.11ac (VHT20)	5500	Ant0	21.53	17.896	Pass
		Ant1	21.17	17.779	Pass
	5600	Ant0	23.91	17.962	Pass
		Ant1	21.55	17.812	Pass
	5700	Ant0	21.75	17.884	Pass
		Ant1	21.85	17.827	Pass

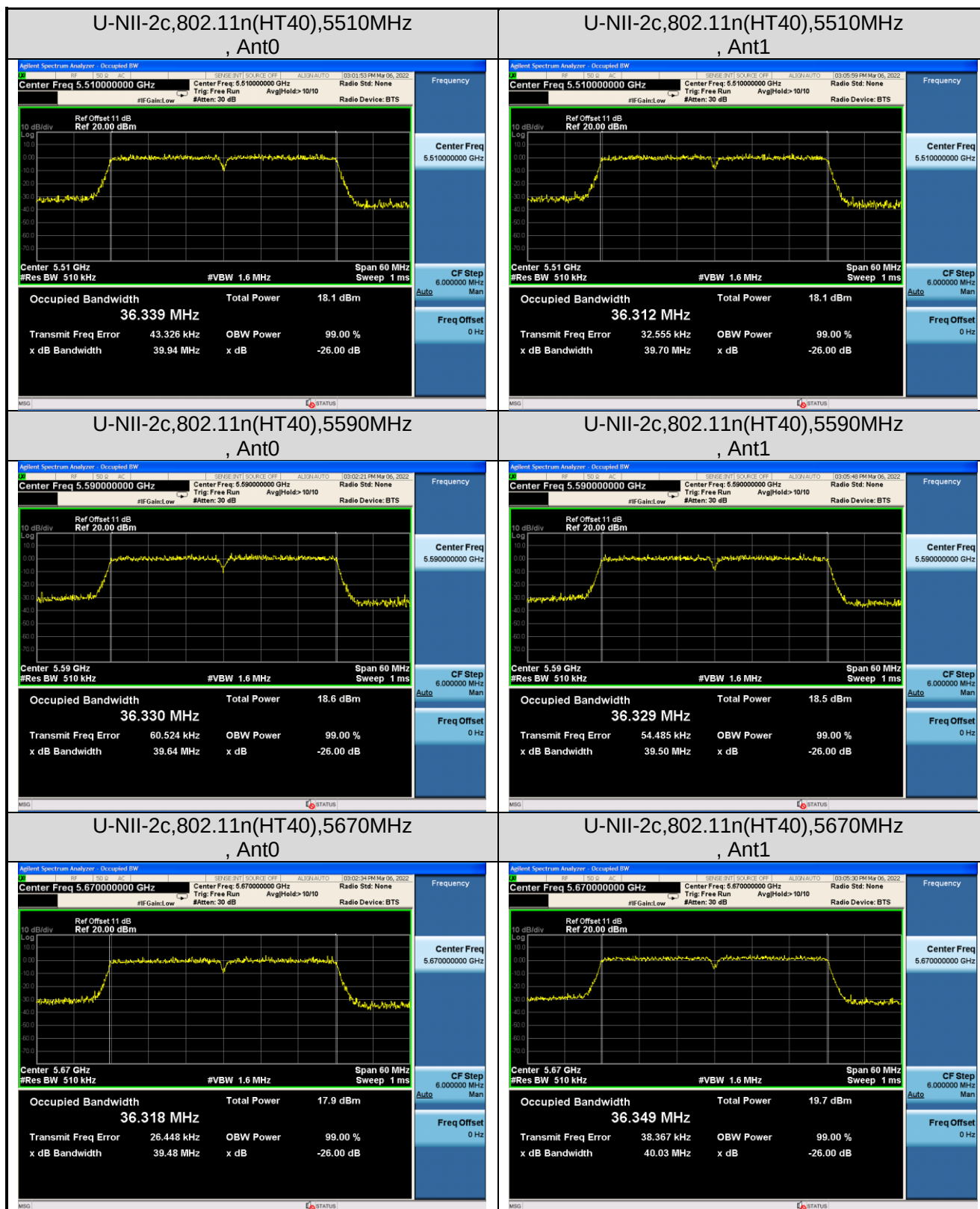
TEST REPORT

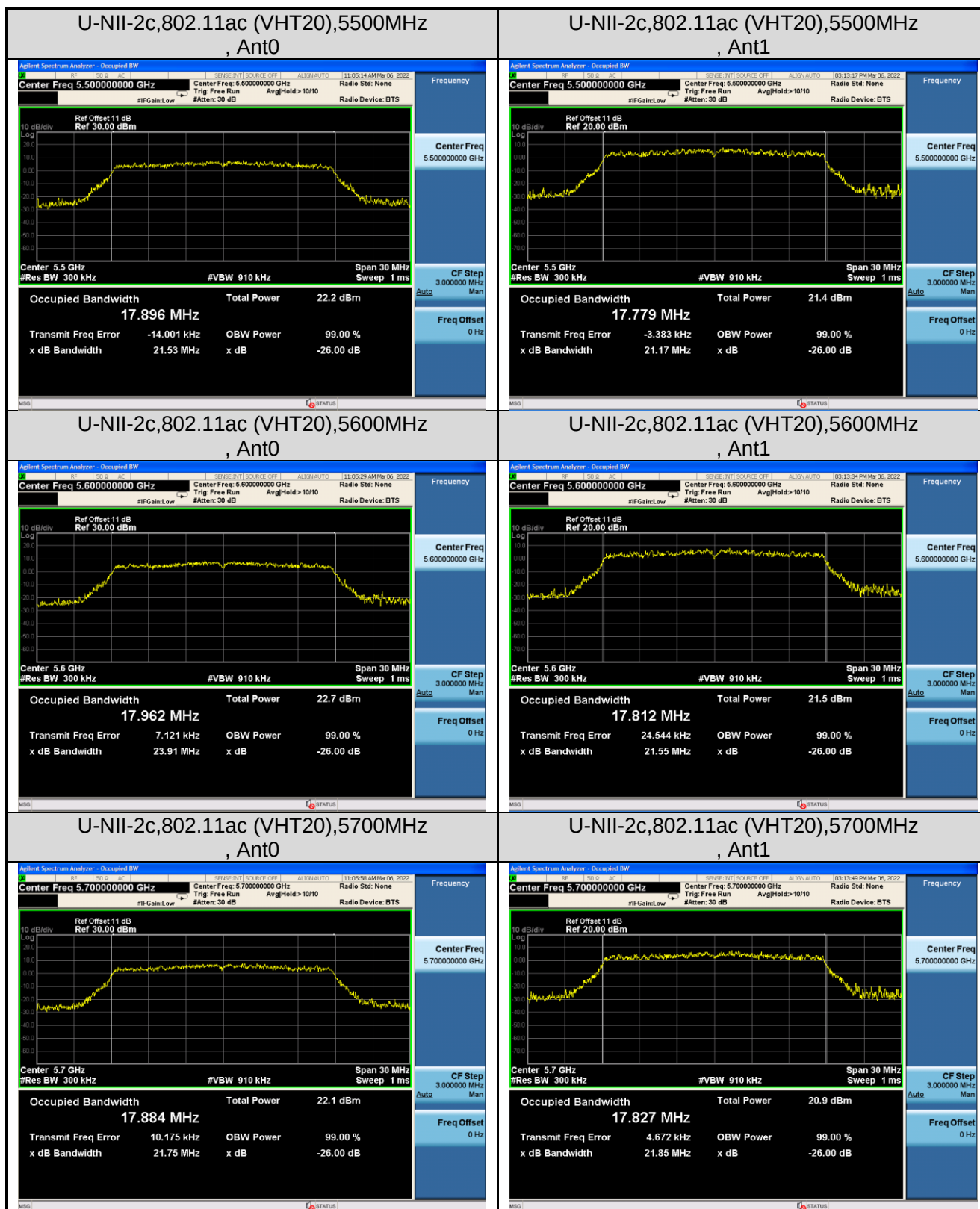
802.11ac (VHT40)	5510	Ant0	39.27	36.343	Pass
		Ant1	39.36	36.378	Pass
	5590	Ant0	39.21	36.312	Pass
		Ant1	39.50	36.280	Pass
	5670	Ant0	39.65	36.307	Pass
		Ant1	39.25	26.347	Pass
802.11ac (VHT80)	5530	Ant0	76.55	76.080	Pass
		Ant1	81.08	76.069	Pass
	5610	Ant0	76.11	76.064	Pass
		Ant1	80.95	76.096	Pass

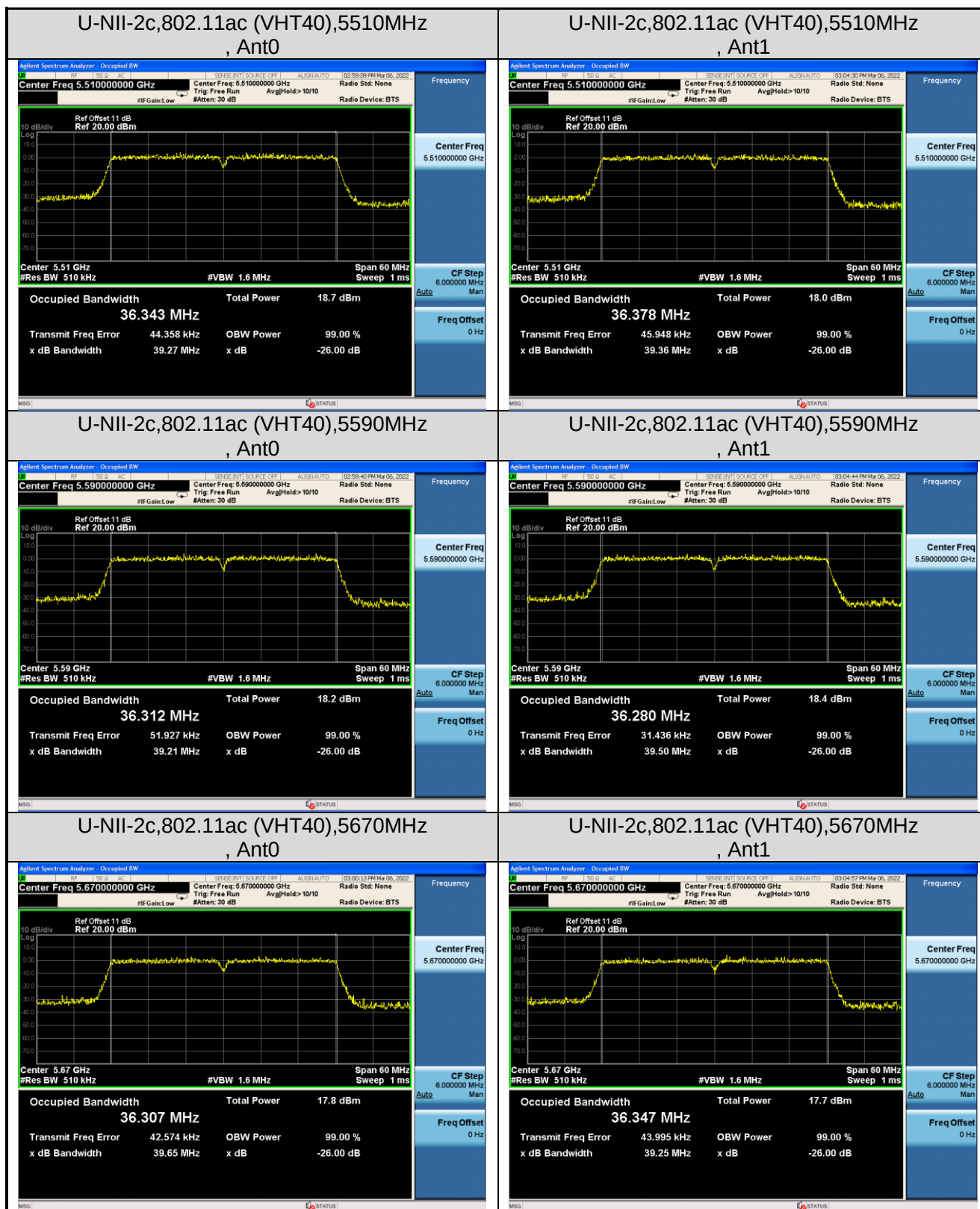
1.2 Test Plots

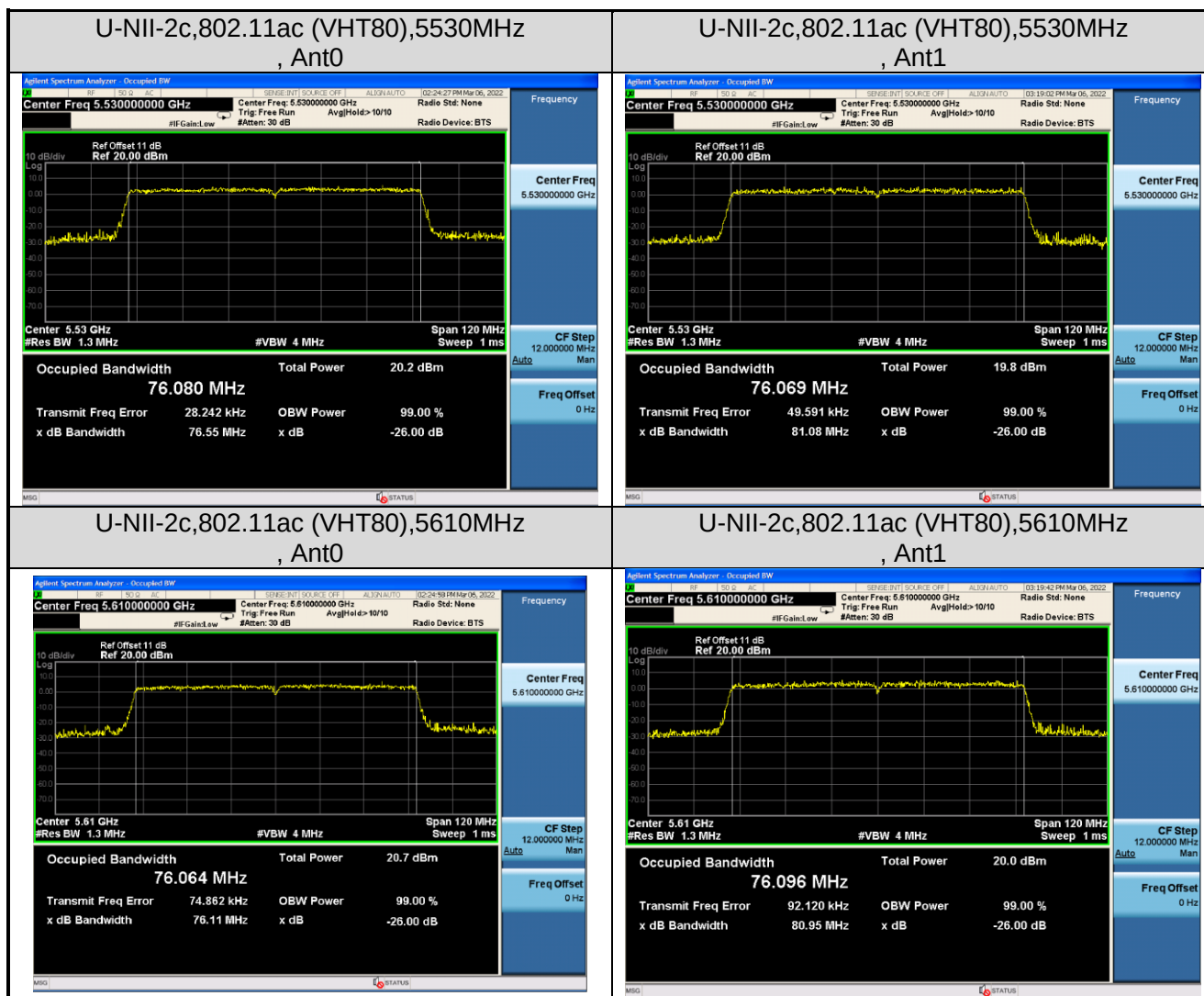












2 AVGSA Output Power

2.1 Test Data

U-NII-2c 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	5500	Ant0	0.31	12.14	12.14	24	16.08	23
		Ant1		13.81	13.81	24	17.75	23
	5600	Ant0		11.96	11.96	24	15.90	23
		Ant1		14.00	14.00	24	17.94	23
	5700	Ant0		11.17	11.17	24	15.11	23
		Ant1		13.61	13.61	24	17.55	23
802.11n (HT20)	5500	Ant0	0.31	15.01	18.24	24	22.36	23
		Ant1		15.77				
	5600	Ant0		14.65	18.21	24	22.15	23
		Ant1		15.69				
	5700	Ant0		14.33	17.97	24	21.91	23
		Ant1		15.51				
802.11n (HT40)	5510	Ant0	0.33	9.31	12.94	24	16.88	24
		Ant1		10.48				
	5590	Ant0		9.33	12.91	24	16.85	24
		Ant1		10.41				
	5670	Ant0		9.4	13.00	24	16.94	24
		Ant1		10.51				
802.11ac (VHT20)	5500	Ant0	0.31	14.94	18.27	24	22.21	23
		Ant1		15.55				
	5600	Ant0		14.68	18.13	24	22.07	23
		Ant1		15.51				
	5700	Ant0		14.30	17.95	24	21.89	23
		Ant1		15.50				
802.11ac (VHT40)	5510	Ant0	0.62	10.17	13.76	24	17.70	24
		Ant1		11.27				
	5590	Ant0		10.31	13.79	24	17.73	24
		Ant1		11.21				
	5670	Ant0		10.22	13.79	24	17.73	24
		Ant1		11.29				
802.11ac (VHT80)	5530	Ant0	1.17	10.71	14.25	24	18.19	24
		Ant1		11.71				
	5610	Ant0		10.83	14.31	24	18.25	24

TEST REPORT

		Ant1		11.73				
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