

Appendix C: Test results

Power level setting using in test:

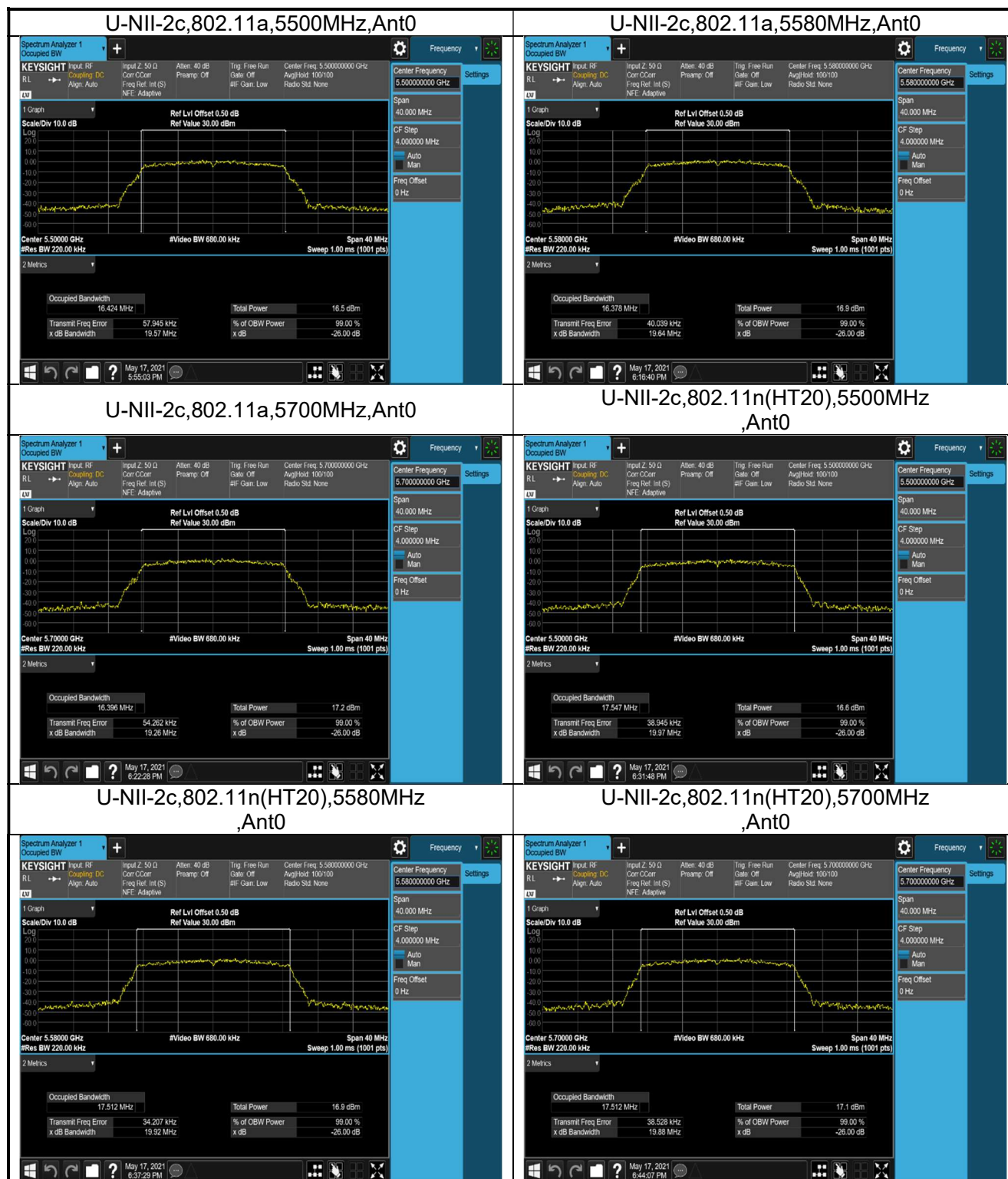
Channel	802.11a	802.11n(HT20)
100	13	13
116	13	13
140	13	13

1. Occupied N dB Bandwidth

1.1 Test Data

U-NII-2c Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant0	19.57	Pass
802.11a	5580	Ant0	19.64	Pass
802.11a	5700	Ant0	19.26	Pass
802.11n (HT20)	5500	Ant0	19.97	Pass
802.11n (HT20)	5580	Ant0	19.92	Pass
802.11n (HT20)	5700	Ant0	19.88	Pass

1.2 Test Plots

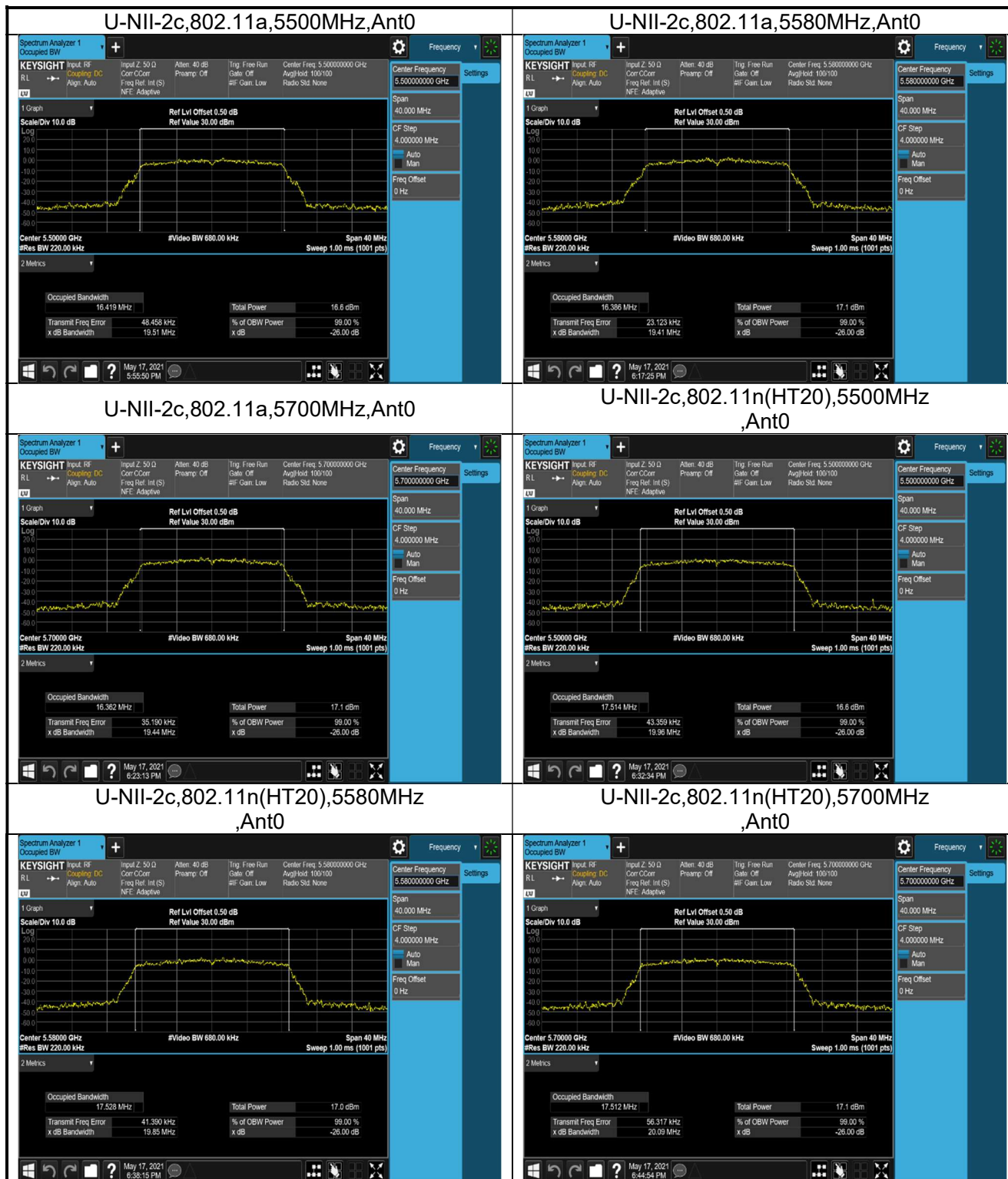


2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-2c 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant0	16.419	Pass
802.11a	5580	Ant0	16.386	Pass
802.11a	5700	Ant0	16.362	Pass
802.11n (HT20)	5500	Ant0	17.514	Pass
802.11n (HT20)	5580	Ant0	17.528	Pass
802.11n (HT20)	5700	Ant0	17.512	Pass

2.2 Test Plots

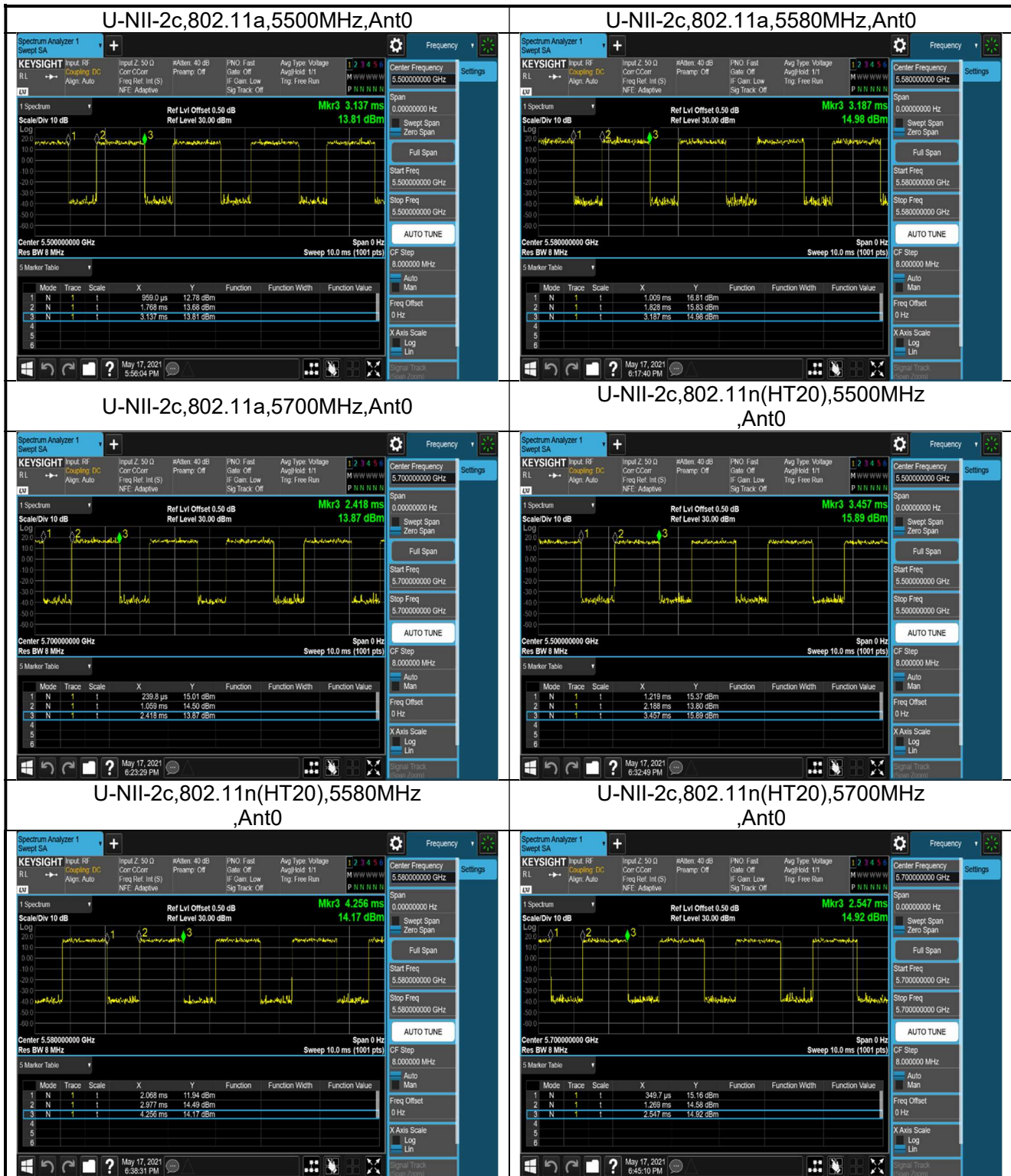


3. Duty Cycle

3.1 Test Data

U-NII-2c Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5500	Ant0	62.84	2.02
802.11a	5580	Ant0	62.39	2.05
802.11a	5700	Ant0	62.39	2.05
802.11n (HT20)	5500	Ant0	56.70	2.46
802.11n (HT20)	5580	Ant0	58.45	2.33
802.11n (HT20)	5700	Ant0	58.18	2.35

3.2 Test Plots

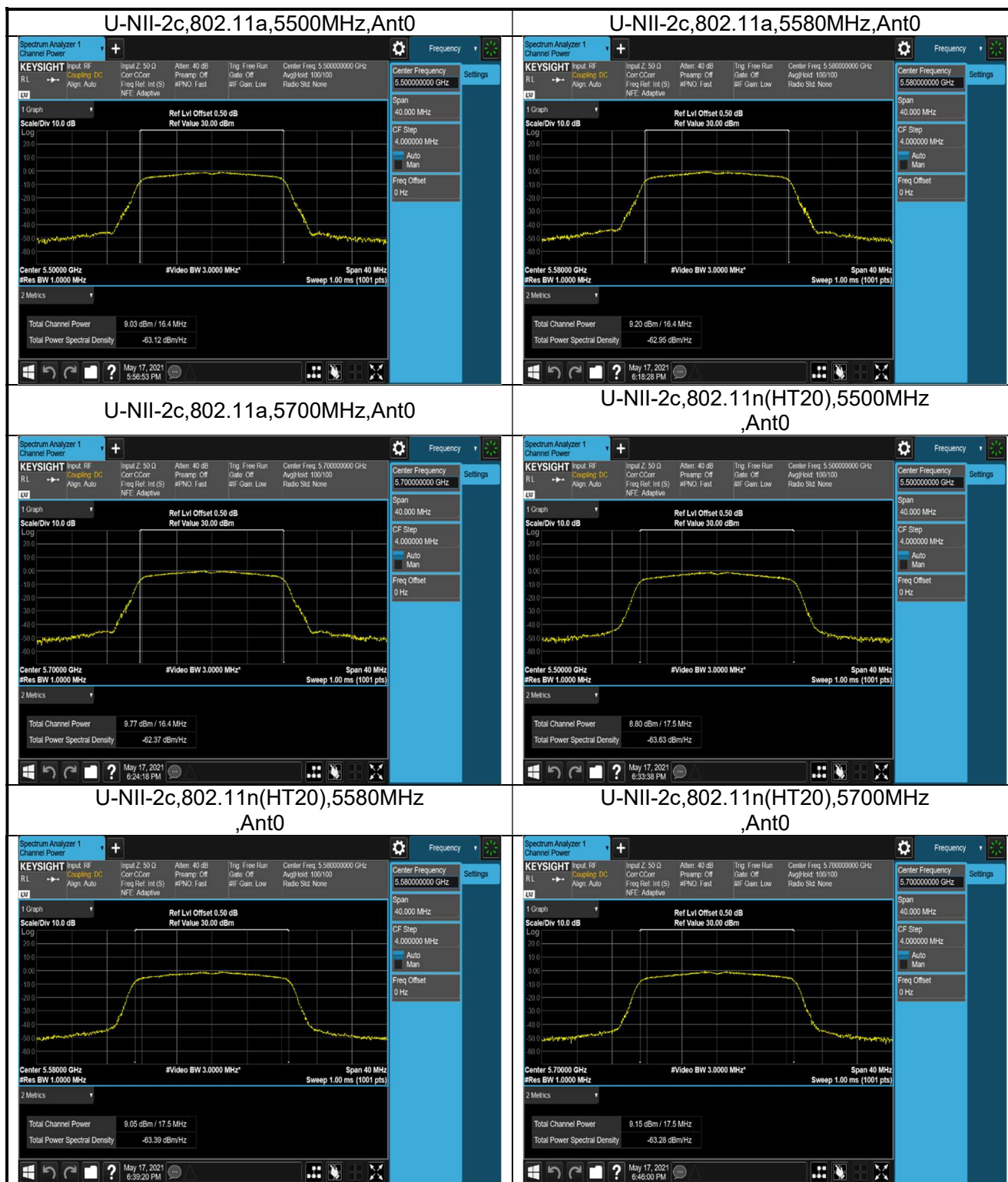


4. AVGSA Output Power

4.1 Test Data

	U-NII-2c AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	IC Limit (dB)	Result
802.11a	5500	Ant0	2.02	11.05	24	15.58	23	Pass
802.11a	5580	Ant0	2.05	11.25	24	15.78	23	Pass
802.11a	5700	Ant0	2.05	11.82	24	16.35	23	Pass
802.11n (HT20)	5500	Ant0	2.46	11.26	24	15.79	23	Pass
802.11n (HT20)	5580	Ant0	2.33	11.38	24	15.91	23	Pass
802.11n (HT20)	5700	Ant0	2.35	11.50	24	16.03	23	Pass

4.2 Test Plots



5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-2c AVGSA Power Spectral Density								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm/MHz)	Limit (dBm/MHz)	EIRP PSD (dBm/MHz)	IC Limit (dBm/MHz)	Result
802.11a	5500	Ant0	2.02	1.338	10	5.868	11	Pass
802.11a	5580	Ant0	2.05	1.569	10	6.099	11	Pass
802.11a	5700	Ant0	2.05	2.355	10	6.885	11	Pass
802.11n (HT20)	5500	Ant0	2.46	1.168	10	5.698	11	Pass
802.11n (HT20)	5580	Ant0	2.33	2.133	10	6.663	11	Pass
802.11n (HT20)	5700	Ant0	2.35	1.805	10	6.335	11	Pass

5.2 Test Plots

