

Appendix B: Test results

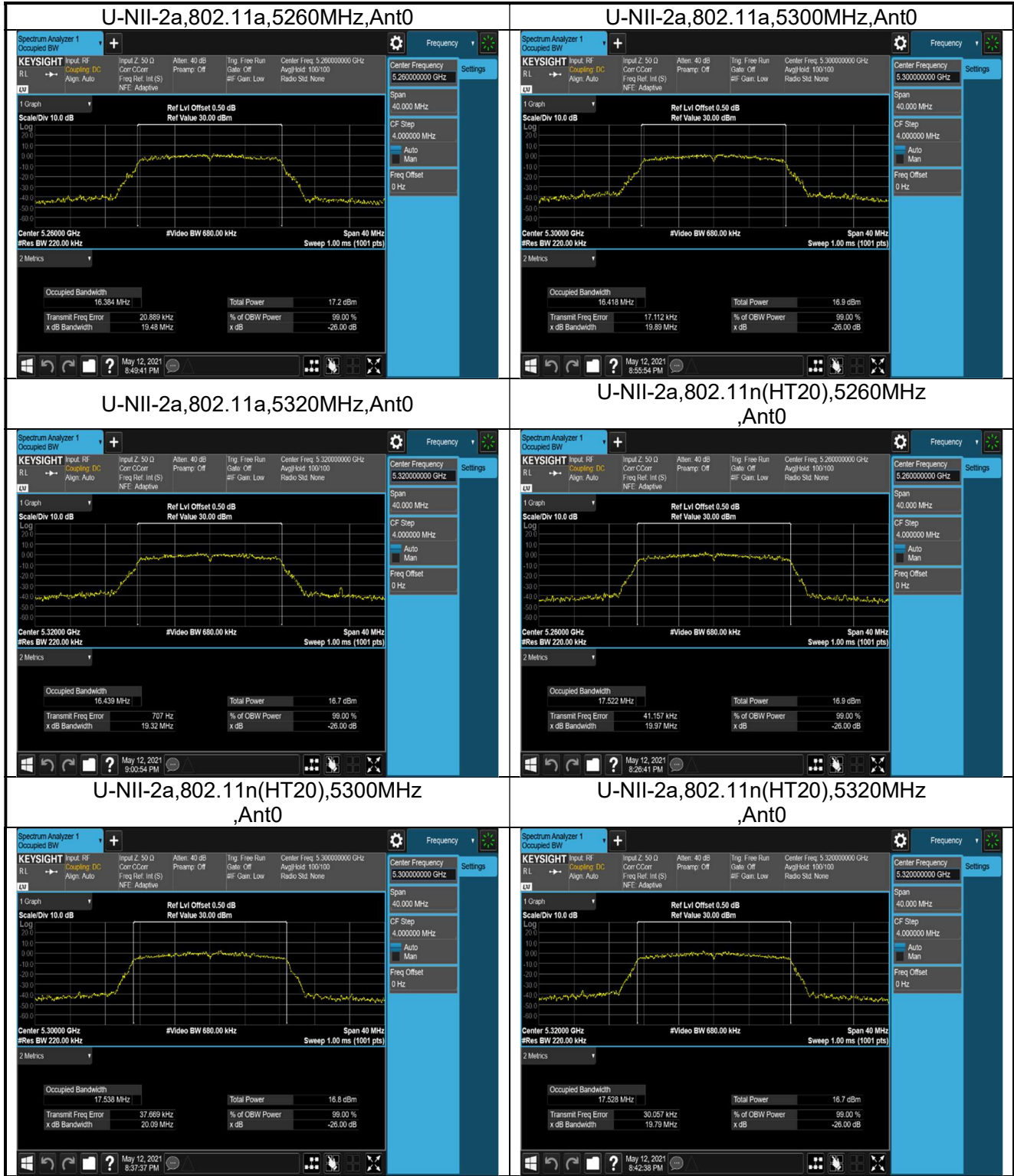
Power level setting using in test:

Channel	802.11a	802.11n(HT20)
52	13	13
60	13	13
64	13	13

1. Occupied N dB Bandwidth

1.1 Test Data

U-NII-2a Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant0	19.48	Pass
802.11a	5300	Ant0	19.89	Pass
802.11a	5320	Ant0	19.32	Pass
802.11n (HT20)	5260	Ant0	19.97	Pass
802.11n (HT20)	5300	Ant0	20.09	Pass
802.11n (HT20)	5320	Ant0	19.79	Pass

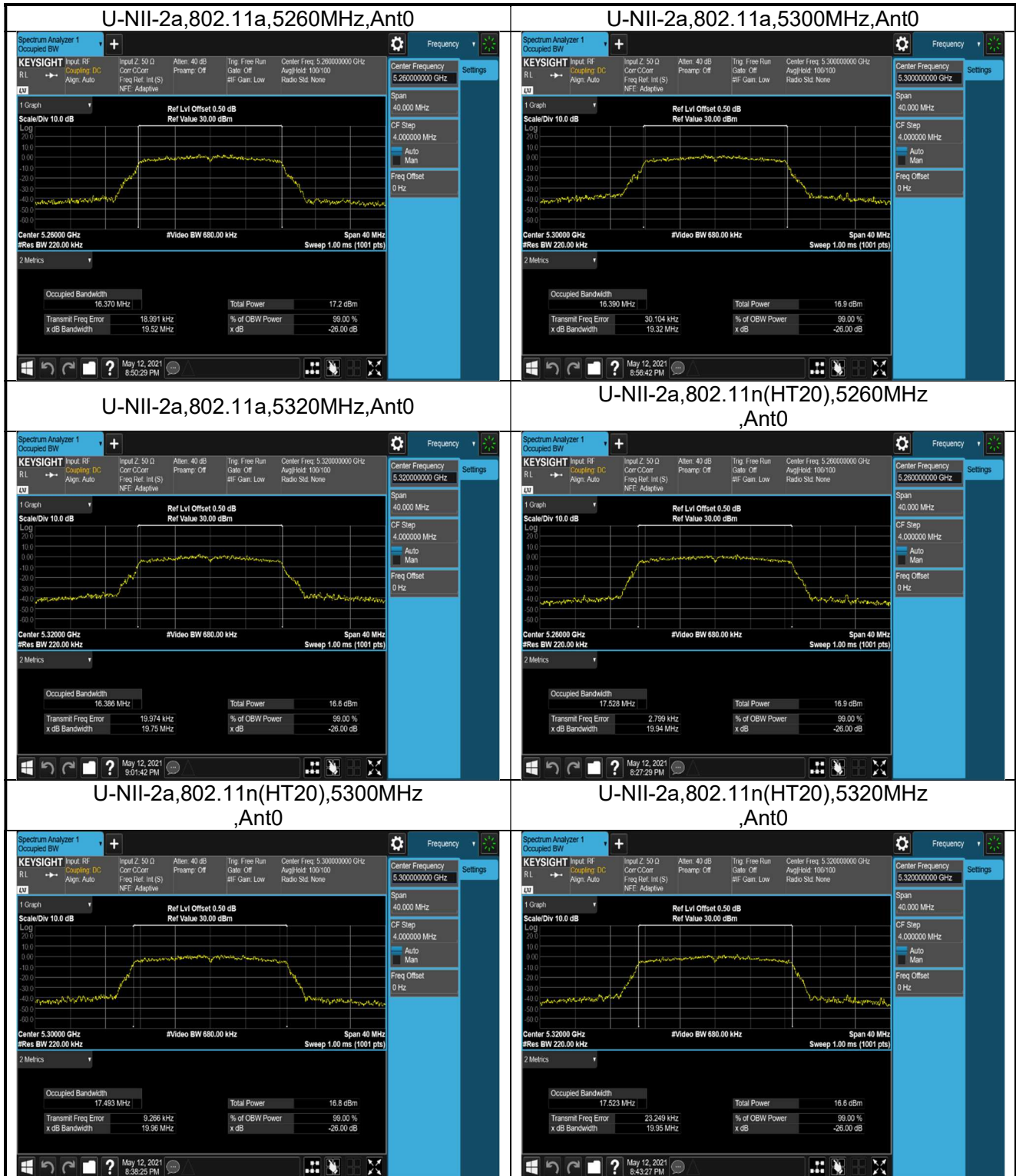


2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-2a 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant0	16.370	Pass
802.11a	5300	Ant0	16.390	Pass
802.11a	5320	Ant0	16.386	Pass
802.11n (HT20)	5260	Ant0	17.528	Pass
802.11n (HT20)	5300	Ant0	17.493	Pass
802.11n (HT20)	5320	Ant0	17.523	Pass

2.2 Test Plots

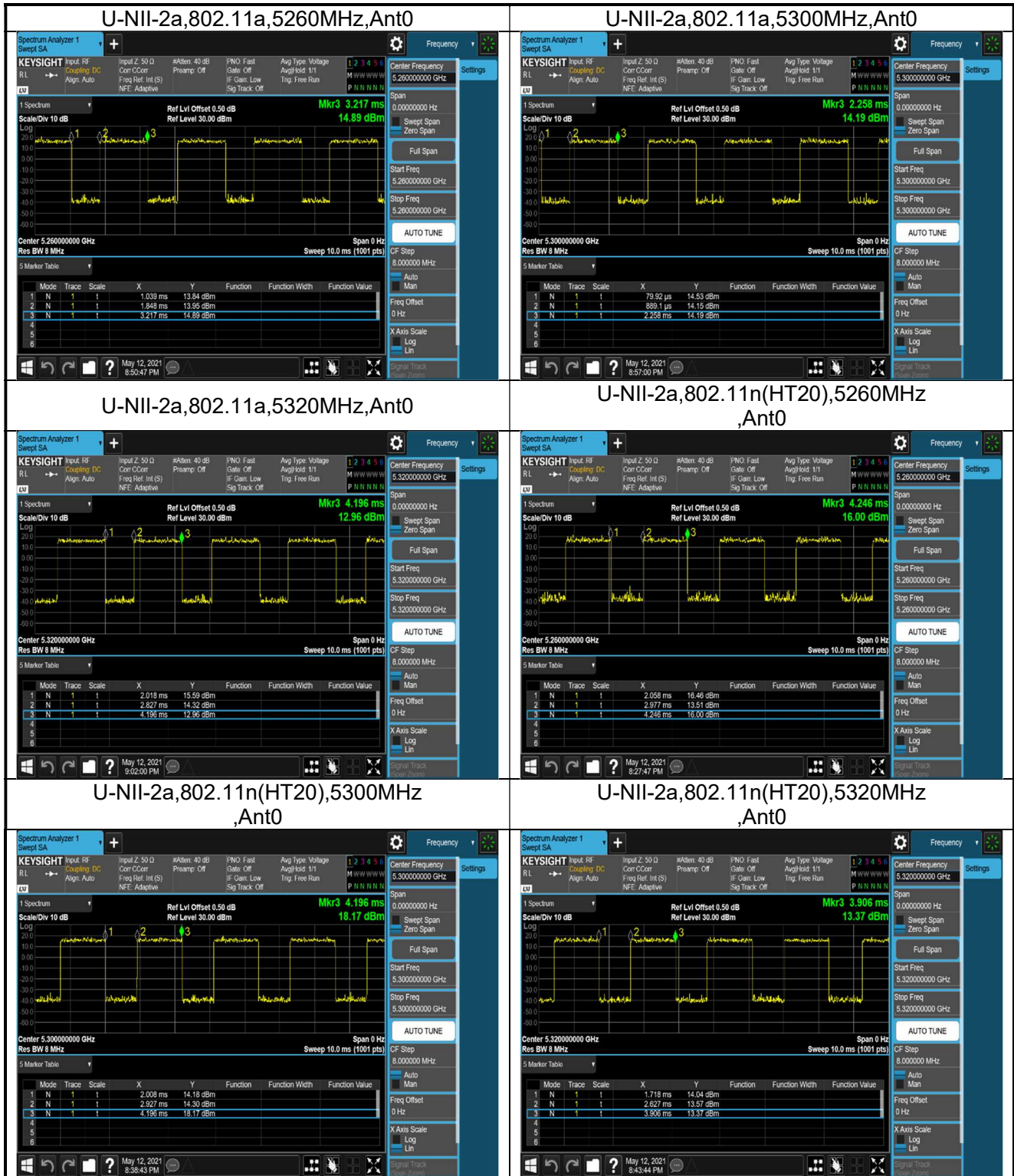


3. Duty Cycle

3.1 Test Data

U-NII-2a Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5260	Ant0	62.84	2.02
802.11a	5300	Ant0	62.84	2.02
802.11a	5320	Ant0	62.84	2.02
802.11n (HT20)	5260	Ant0	57.99	2.37
802.11n (HT20)	5300	Ant0	57.99	2.37
802.11n (HT20)	5320	Ant0	58.45	2.33

3.2 Test Plots

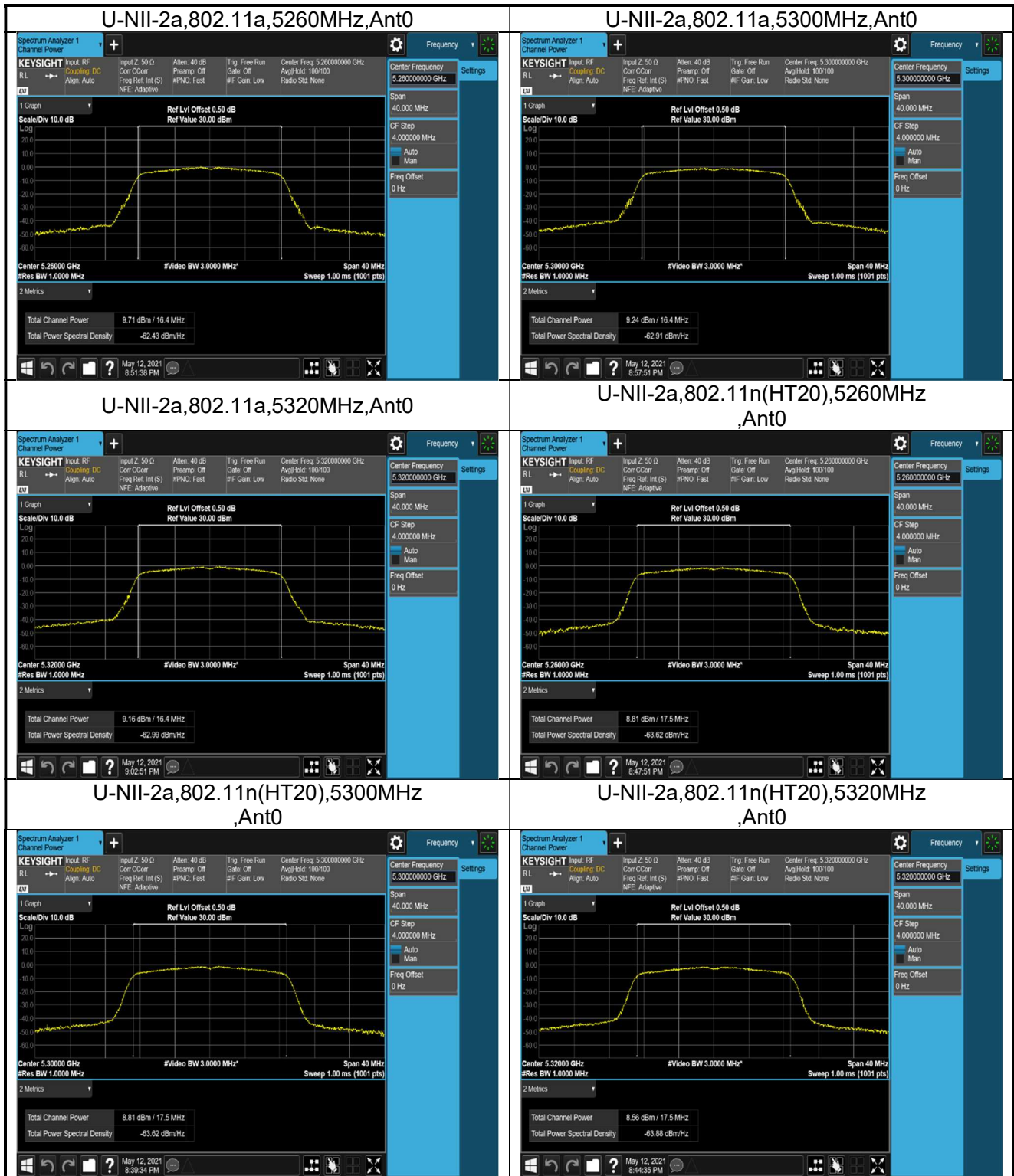


4. AVGSA Output Power

4.1 Test Data

U-NII-2a AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	IC Limit (dBm)	Result
802.11a	5260	Ant0	2.02	11.73	24	16.26	23	Pass
802.11a	5300	Ant0	2.02	11.26	24	15.79	23	Pass
802.11a	5320	Ant0	2.02	11.18	24	15.71	23	Pass
802.11n (HT20)	5260	Ant0	2.33	11.14	24	15.67	23	Pass
802.11n (HT20)	5300	Ant0	2.37	11.18	24	15.71	23	Pass
802.11n (HT20)	5320	Ant0	2.33	10.89	24	15.42	23	Pass

4.2 Test Plots



5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-2a 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	5260	Ant0	2.02	1.784	10	6.314	11	Pass
802.11a	5300	Ant0	2.02	1.506	10	6.036	11	Pass
802.11a	5320	Ant0	2.02	0.503	10	5.033	11	Pass
802.11n (HT20)	5260	Ant0	2.12	-0.984	10	3.546	11	Pass
802.11n (HT20)	5300	Ant0	2.12	1.026	10	5.556	11	Pass
802.11n (HT20)	5320	Ant0	2.12	-0.172	10	4.358	11	Pass

5.2 Test Plots

