

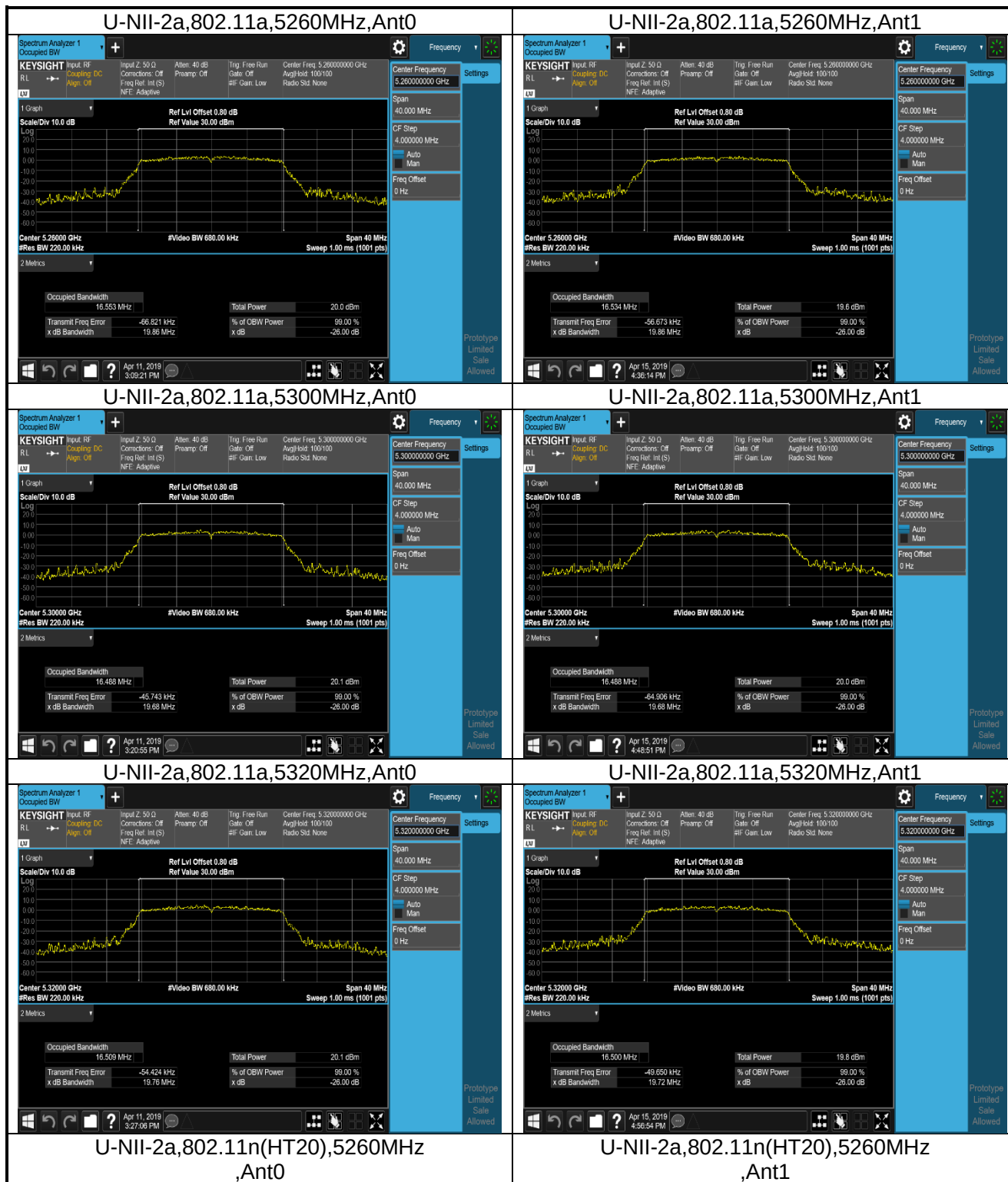
Appendix A2: Test results

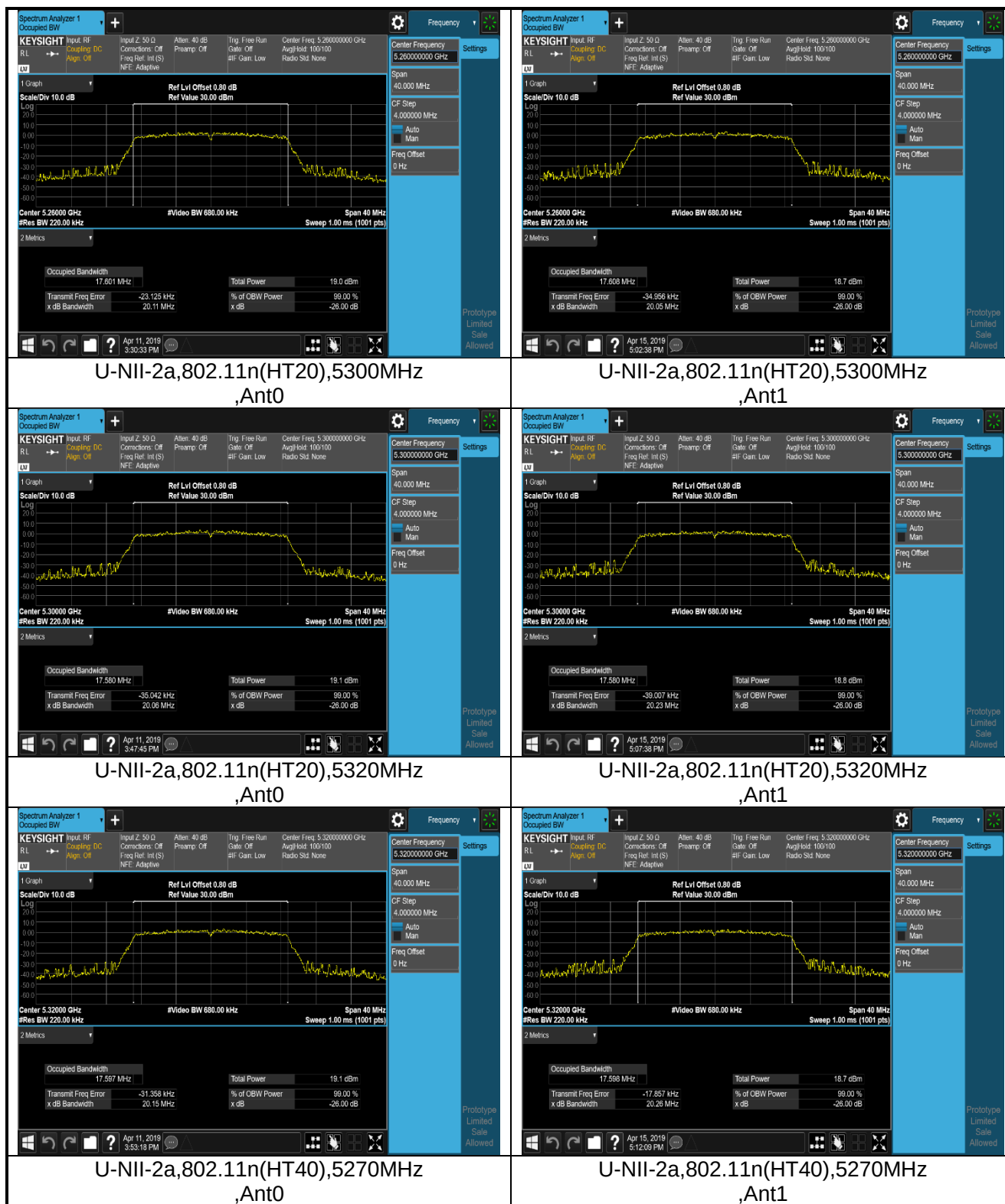
1. Occupied N dB Bandwidth

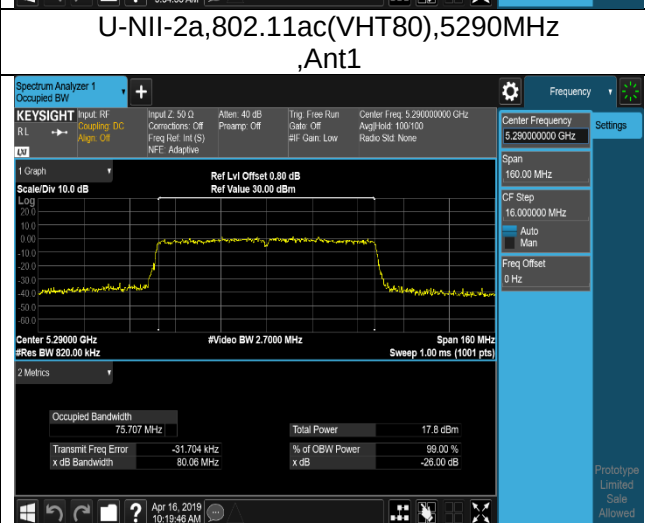
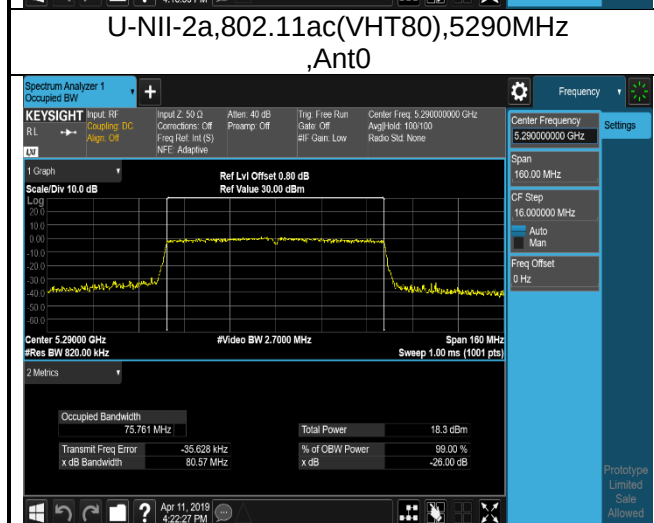
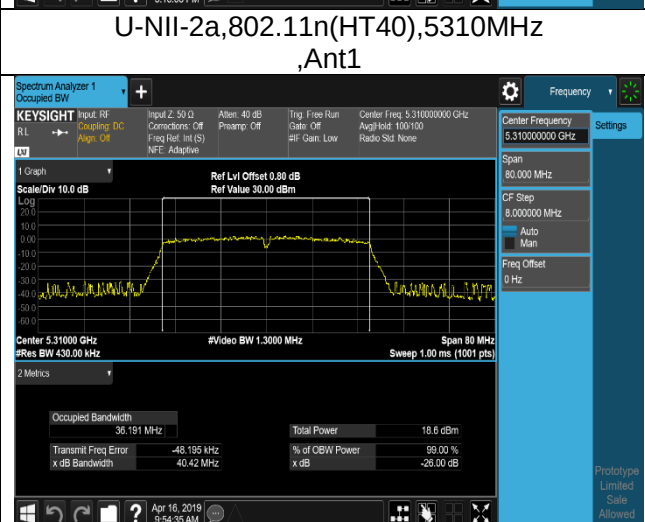
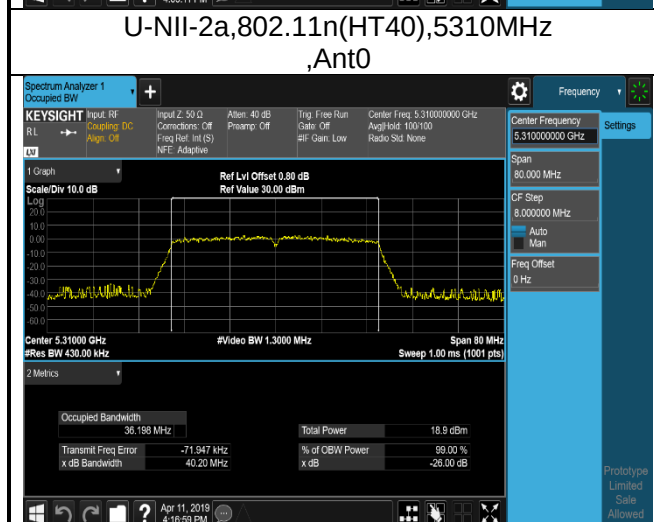
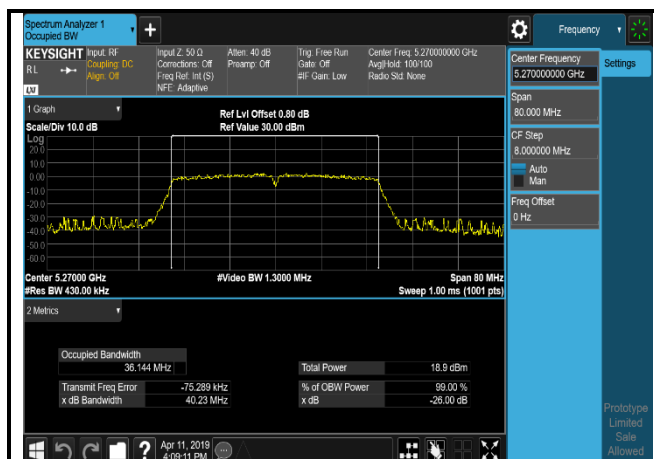
1.1 Test Data

U-NII-2a Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant0	19.86	Pass
802.11a	5260	Ant1	19.86	Pass
802.11a	5300	Ant0	19.68	Pass
802.11a	5300	Ant1	19.68	Pass
802.11a	5320	Ant0	19.76	Pass
802.11a	5320	Ant1	19.72	Pass
802.11n (HT20)	5260	Ant0	20.11	Pass
802.11n (HT20)	5260	Ant1	20.05	Pass
802.11n (HT20)	5300	Ant0	20.06	Pass
802.11n (HT20)	5300	Ant1	20.23	Pass
802.11n (HT20)	5320	Ant0	20.15	Pass
802.11n (HT20)	5320	Ant1	20.26	Pass
802.11n (HT40)	5270	Ant0	40.23	Pass
802.11n (HT40)	5270	Ant1	40.44	Pass
802.11n (HT40)	5310	Ant0	40.20	Pass
802.11n (HT40)	5310	Ant1	40.42	Pass
802.11ac (VHT80)	5290	Ant0	80.57	Pass
802.11ac (VHT80)	5290	Ant1	80.06	Pass

1.2 Test Plots





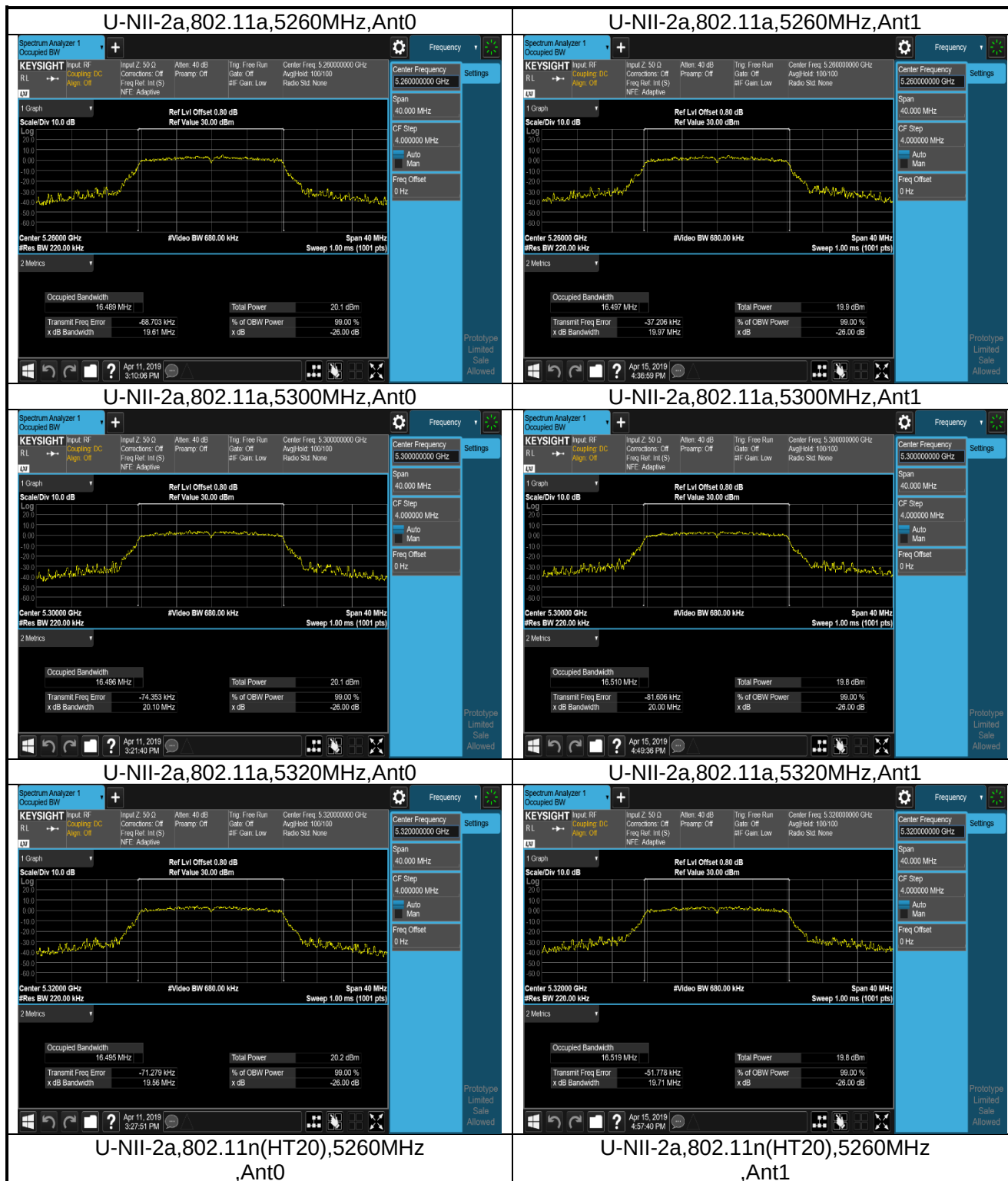


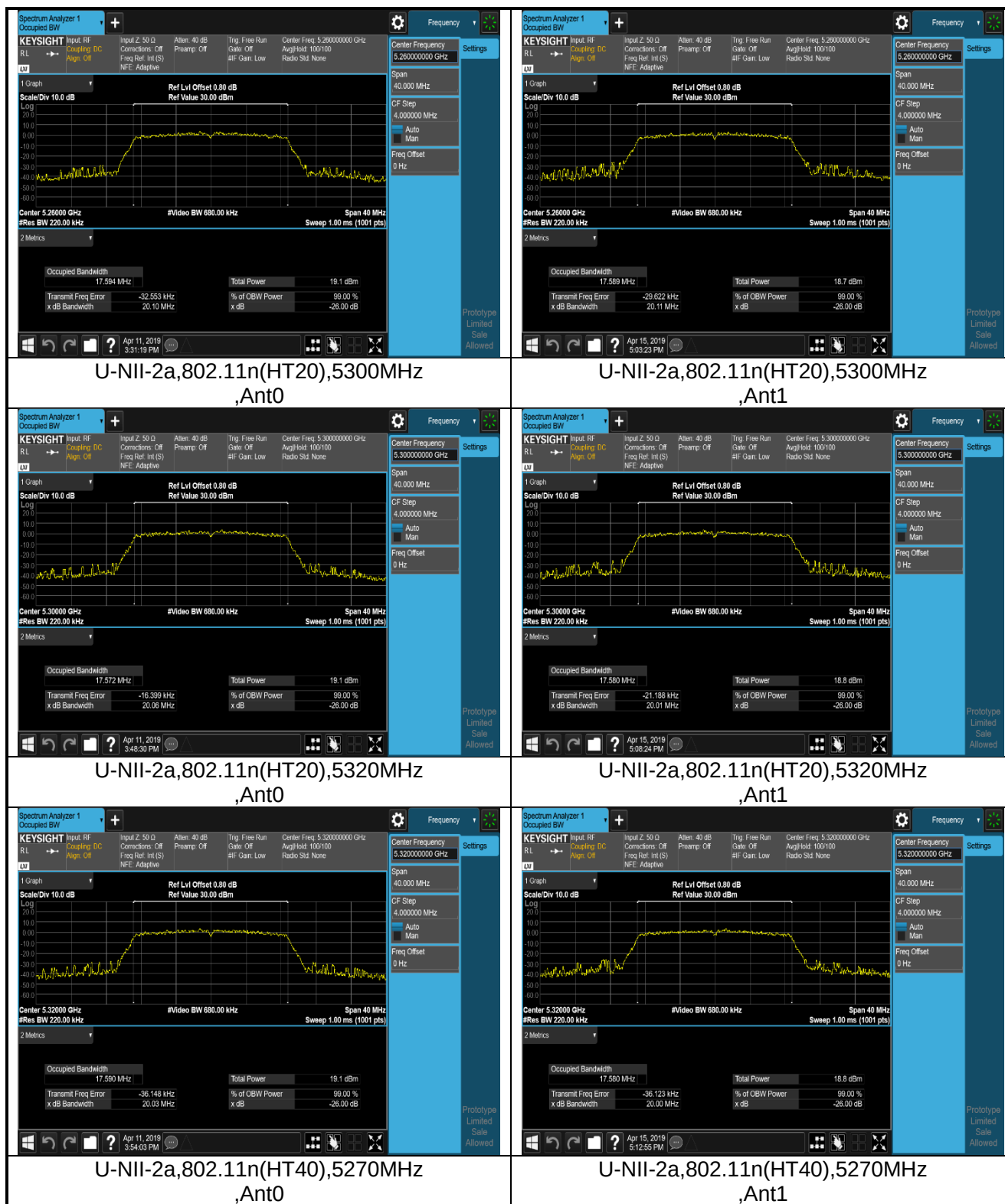
2. 99% Occupied Bandwidth

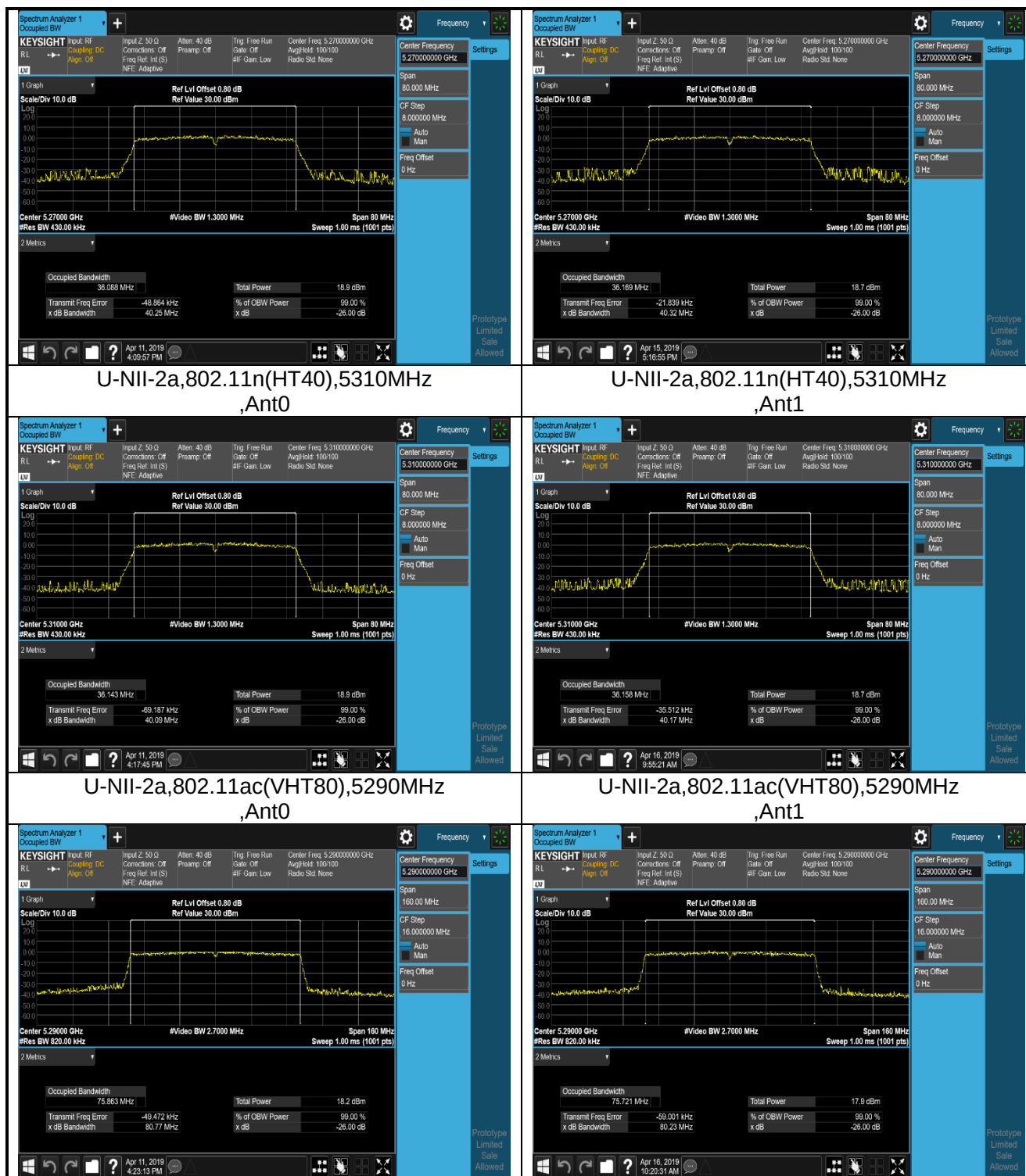
2.1 Test Data

U-NII-2a 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant0	16.489	Pass
802.11a	5260	Ant1	16.497	Pass
802.11a	5300	Ant0	16.496	Pass
802.11a	5300	Ant1	16.510	Pass
802.11a	5320	Ant0	16.495	Pass
802.11a	5320	Ant1	16.519	Pass
802.11n (HT20)	5260	Ant0	17.594	Pass
802.11n (HT20)	5260	Ant1	17.589	Pass
802.11n (HT20)	5300	Ant0	17.572	Pass
802.11n (HT20)	5300	Ant1	17.580	Pass
802.11n (HT20)	5320	Ant0	17.590	Pass
802.11n (HT20)	5320	Ant1	17.580	Pass
802.11n (HT40)	5270	Ant0	36.088	Pass
802.11n (HT40)	5270	Ant1	36.169	Pass
802.11n (HT40)	5310	Ant0	36.143	Pass
802.11n (HT40)	5310	Ant1	36.158	Pass
802.11ac (VHT80)	5290	Ant0	75.863	Pass
802.11ac (VHT80)	5290	Ant1	75.721	Pass

2.2 Test Plots





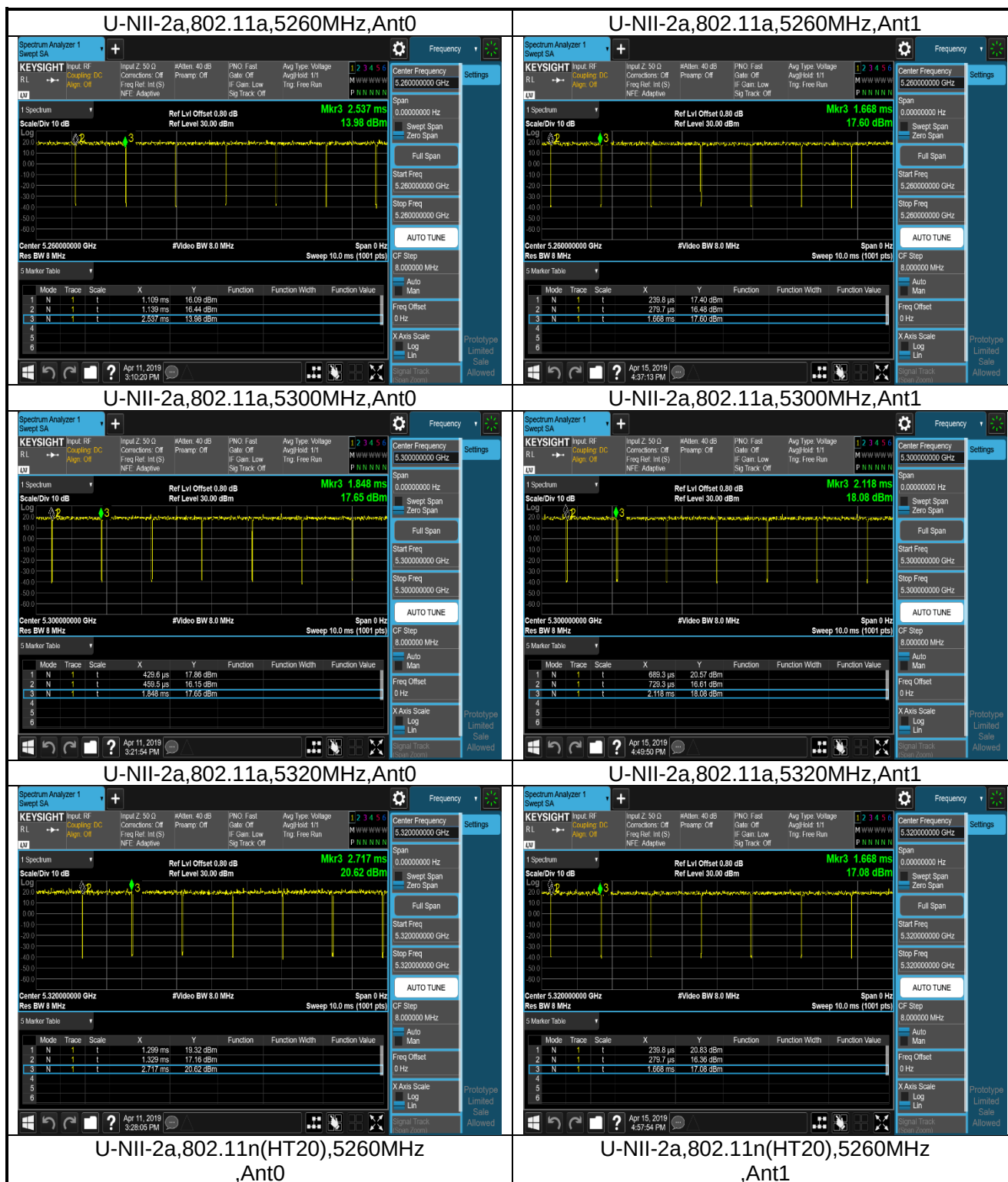


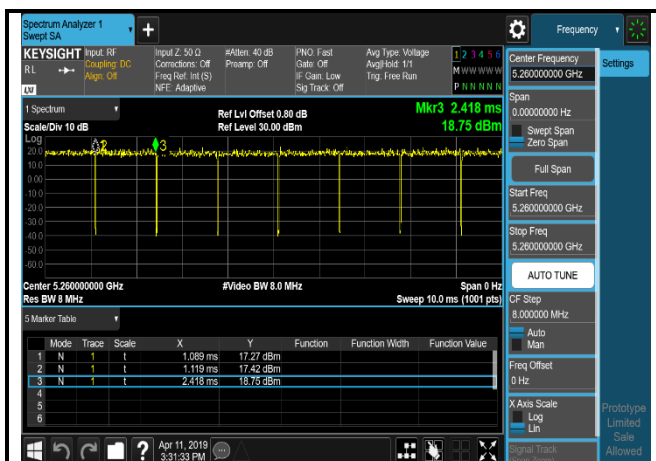
3. Duty Cycle

3.1 Test Data

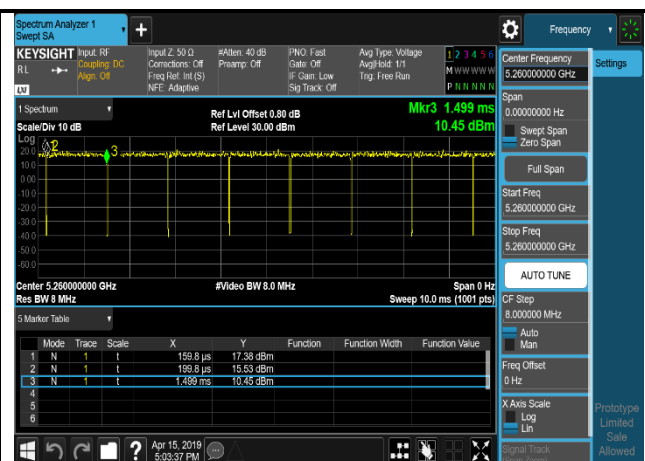
U-NII-2a Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5260	Ant0	97.90	0.09
802.11a	5260	Ant1	97.20	0.12
802.11a	5300	Ant0	97.89	0.09
802.11a	5300	Ant1	97.20	0.12
802.11a	5320	Ant0	97.89	0.09
802.11a	5320	Ant1	97.20	0.12
802.11n (HT20)	5260	Ant0	97.74	0.10
802.11n (HT20)	5260	Ant1	97.01	0.13
802.11n (HT20)	5300	Ant0	97.01	0.13
802.11n (HT20)	5300	Ant1	97.74	0.10
802.11n (HT20)	5320	Ant0	97.74	0.10
802.11n (HT20)	5320	Ant1	97.74	0.10
802.11n (HT40)	5270	Ant0	94.20	0.26
802.11n (HT40)	5270	Ant1	94.20	0.26
802.11n (HT40)	5310	Ant0	94.20	0.26
802.11n (HT40)	5310	Ant1	94.20	0.26
802.11ac (VHT80)	5290	Ant0	84.23	0.75
802.11ac (VHT80)	5290	Ant1	84.23	0.75

3.2 Test Plots

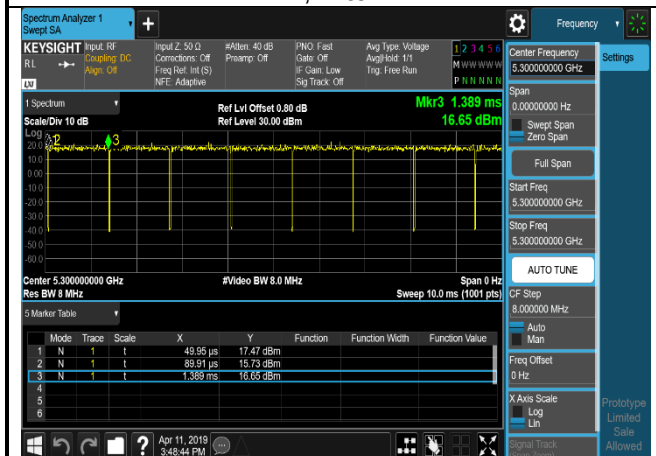




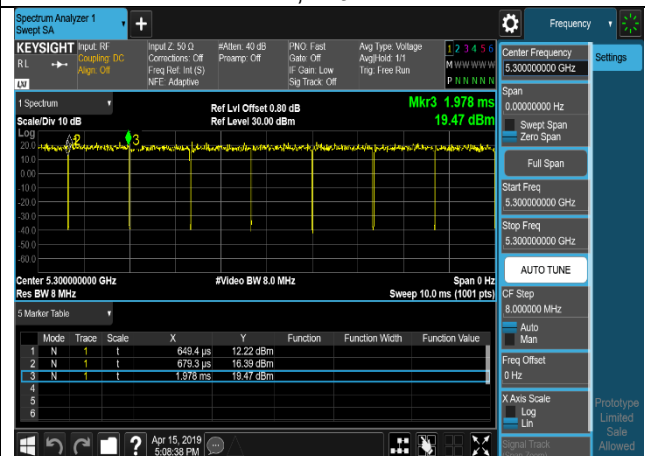
U-NII-2a,802.11n(HT20),5300MHz
,Ant0



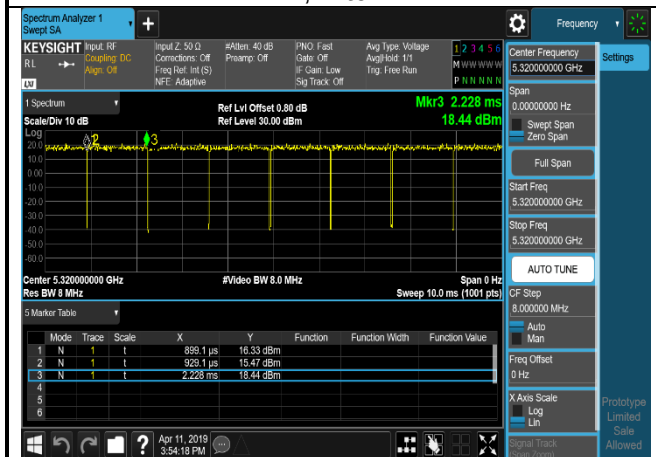
U-NII-2a,802.11n(HT20),5300MHz
,Ant1



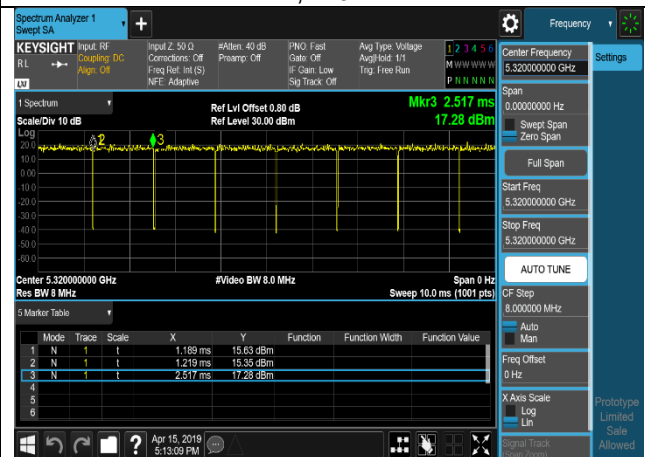
U-NII-2a,802.11n(HT20),5320MHz
,Ant0



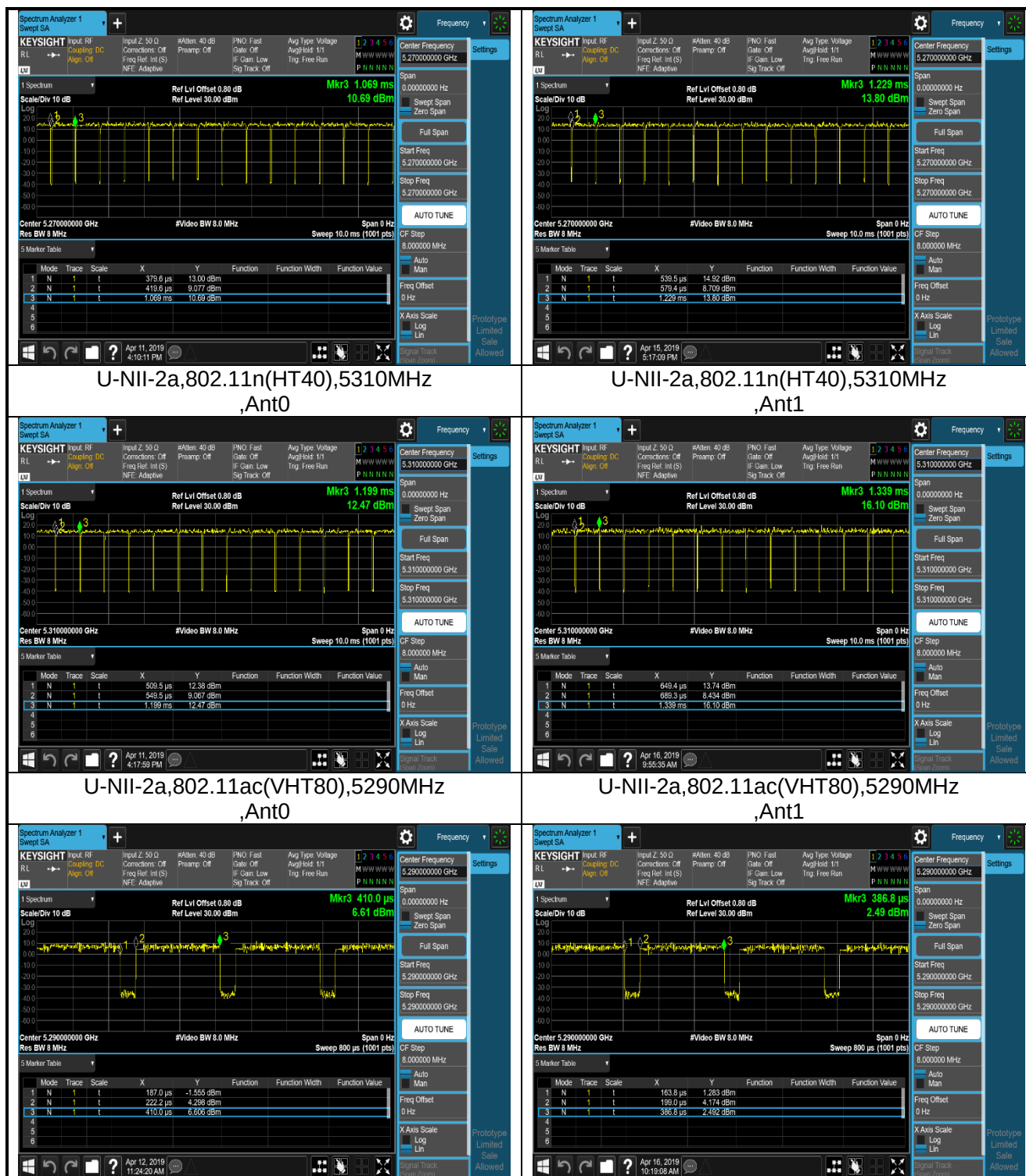
U-NII-2a,802.11n(HT20),5320MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant0



U-NII-2a,802.11n(HT40),5270MHz
,Ant1

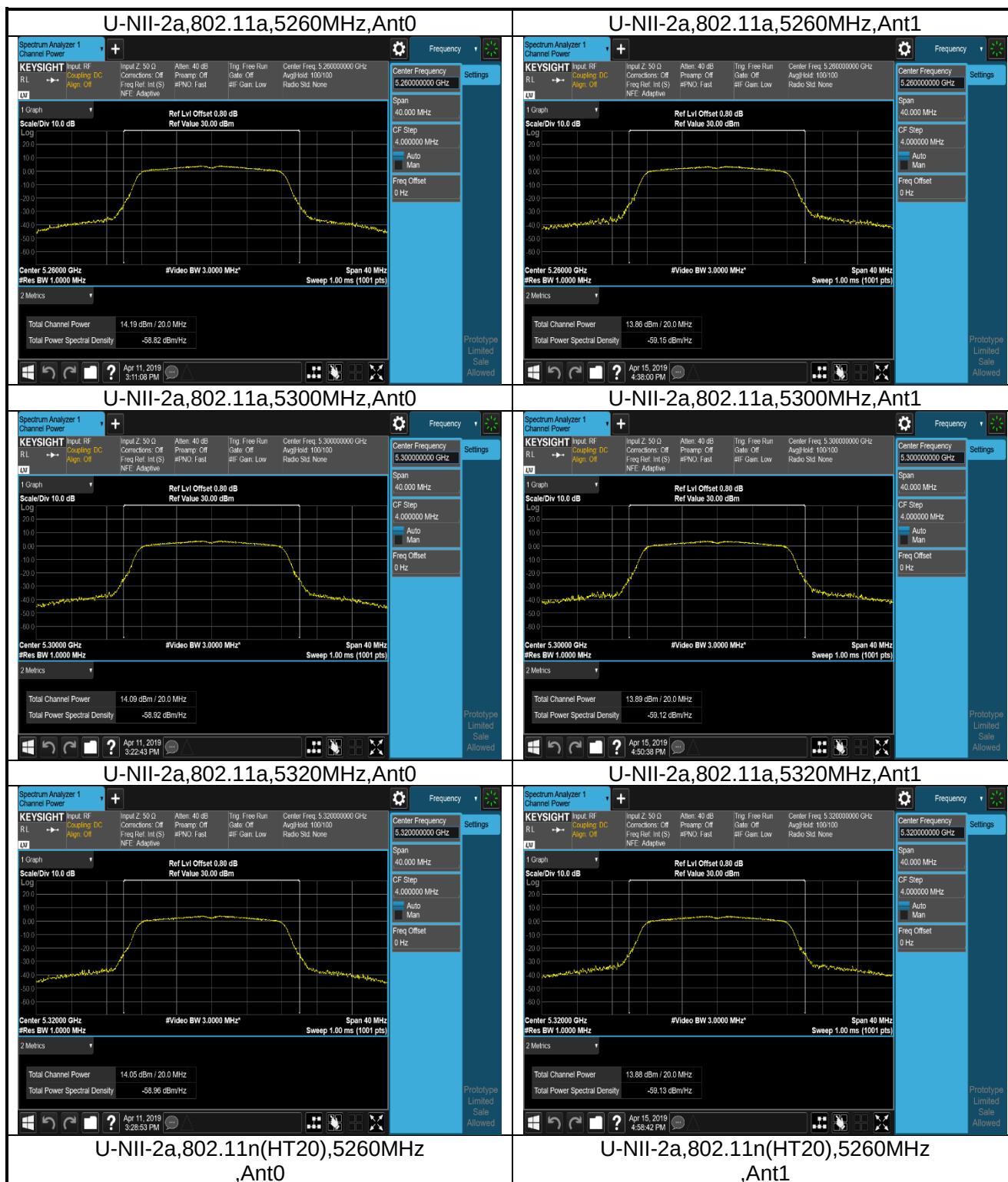


4. AVGSA Output Power

4.1 Test Data

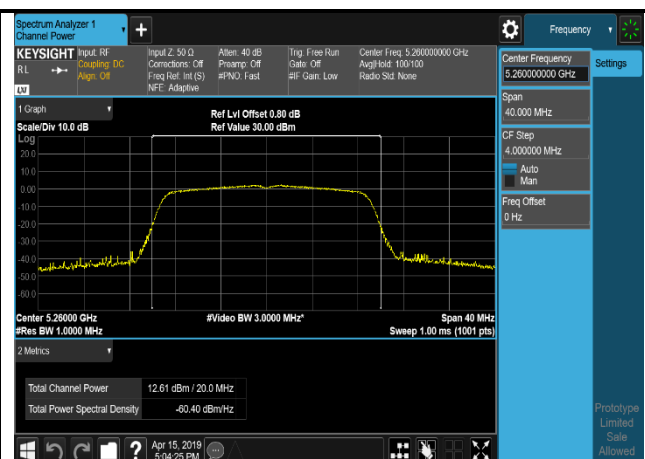
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	FCC Power Limit (dBm)	IC Power Limit (dBm)	EIRP (dBm)	Result
802.11a	5260	Ant0	0.09	14.28	14.28	24	23	17.80	Pass
802.11a	5260	Ant1	0.12	13.98	13.98	24	23	17.42	Pass
802.11a	5300	Ant0	0.09	14.18	14.18	24	23	17.70	Pass
802.11a	5300	Ant1	0.12	14.01	14.01	24	23	17.45	Pass
802.11a	5320	Ant0	0.09	14.14	14.14	24	23	17.66	Pass
802.11a	5320	Ant1	0.12	14.00	14.00	24	23	17.44	Pass
802.11n (HT20)	5260	Ant0	0.10	13.05	15.91	24	23	19.39	Pass
802.11n (HT20)	5260	Ant1	0.13	12.74					
802.11n (HT20)	5300	Ant0	0.13	13.12	15.96	24	23	19.44	Pass
802.11n (HT20)	5300	Ant1	0.10	12.77					
802.11n (HT20)	5320	Ant0	0.10	13.07	15.92	24	23	19.40	Pass
802.11n (HT20)	5320	Ant1	0.10	12.75					
802.11n (HT40)	5270	Ant0	0.26	12.98	15.87	24	24	19.35	Pass
802.11n (HT40)	5270	Ant1	0.26	12.74					
802.11n (HT40)	5310	Ant0	0.26	12.96	15.92	24	24	19.40	Pass
802.11n (HT40)	5310	Ant1	0.26	12.85					
802.11ac (VHT80)	5290	Ant0	0.75	9.64	12.47	24	24	15.95	Pass
802.11ac (VHT80)	5290	Ant1	0.75	9.27					

4.2 Test Plots

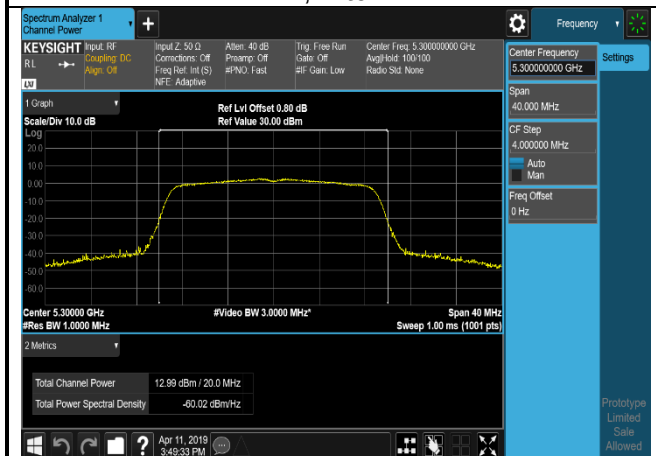




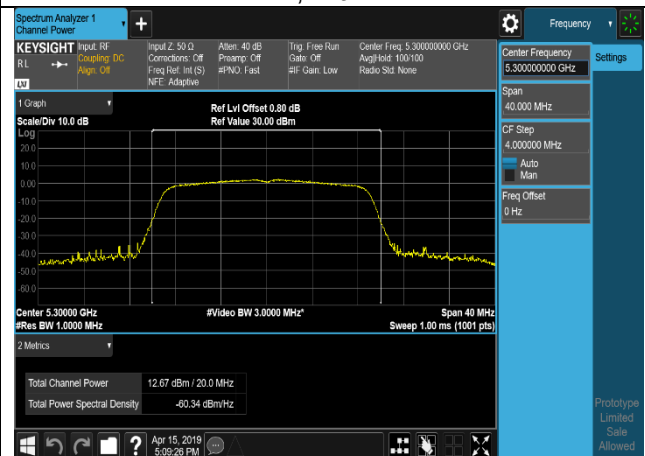
U-NII-2a,802.11n(HT20),5300MHz
,Ant0



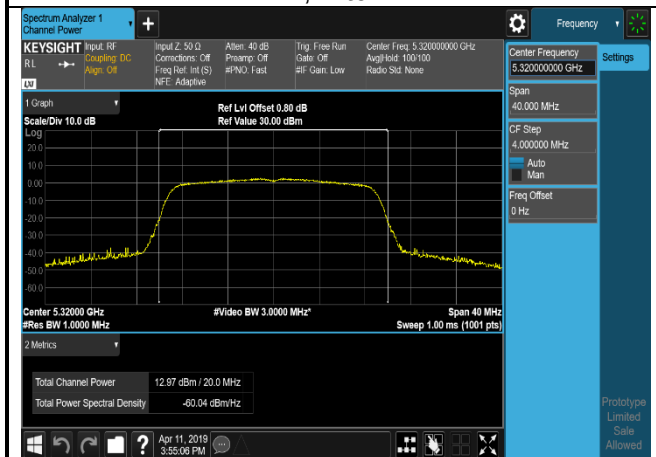
U-NII-2a,802.11n(HT20),5300MHz
,Ant1



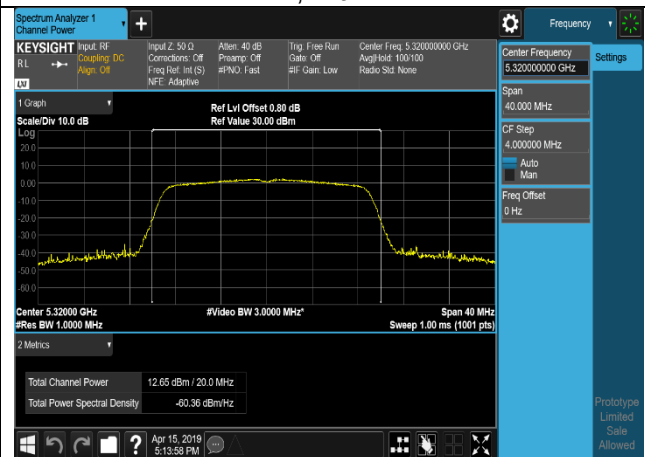
U-NII-2a,802.11n(HT20),5320MHz
,Ant0



U-NII-2a,802.11n(HT20),5320MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant0



U-NII-2a,802.11n(HT40),5270MHz
,Ant1