

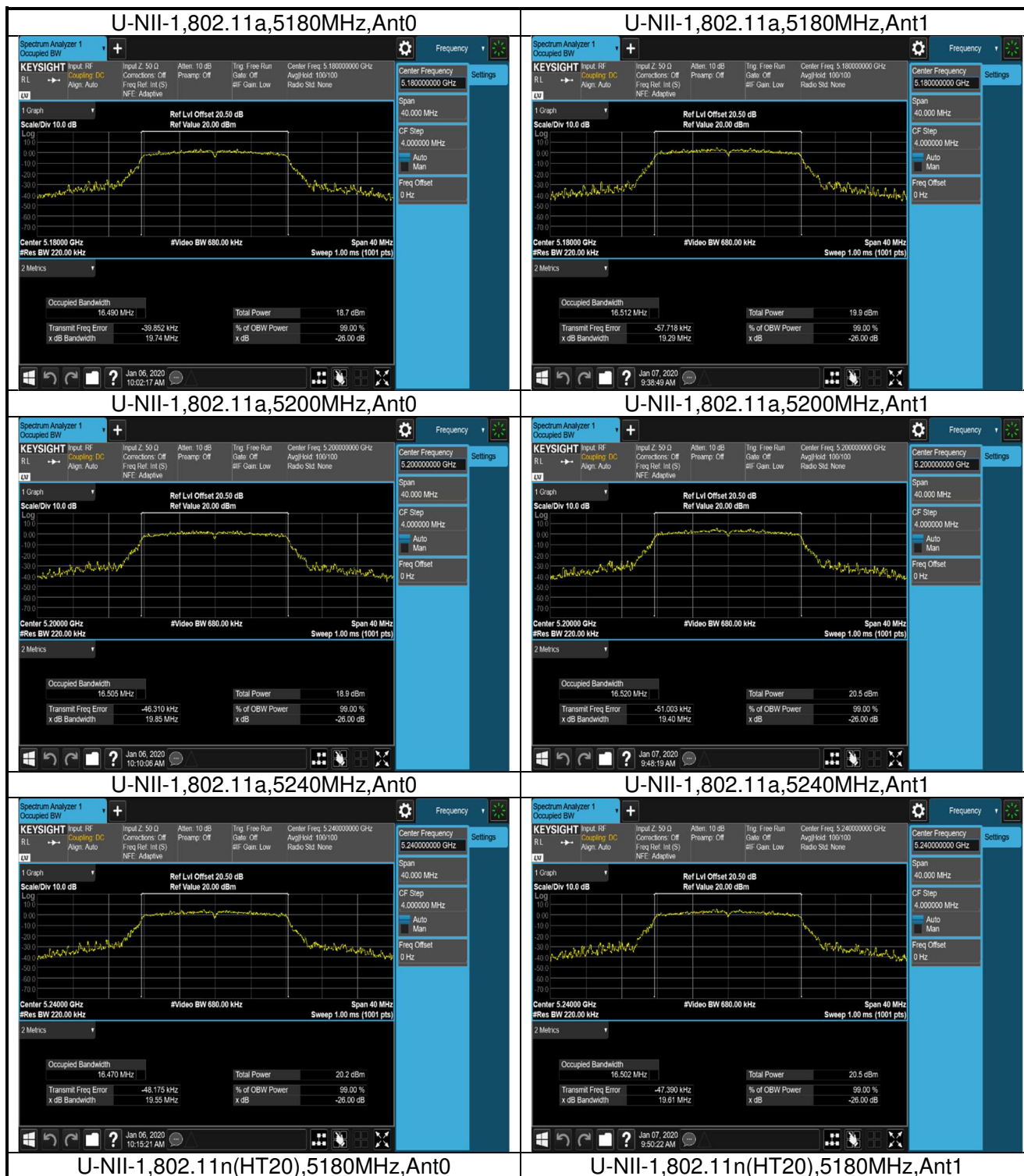
Appendix A: Test results

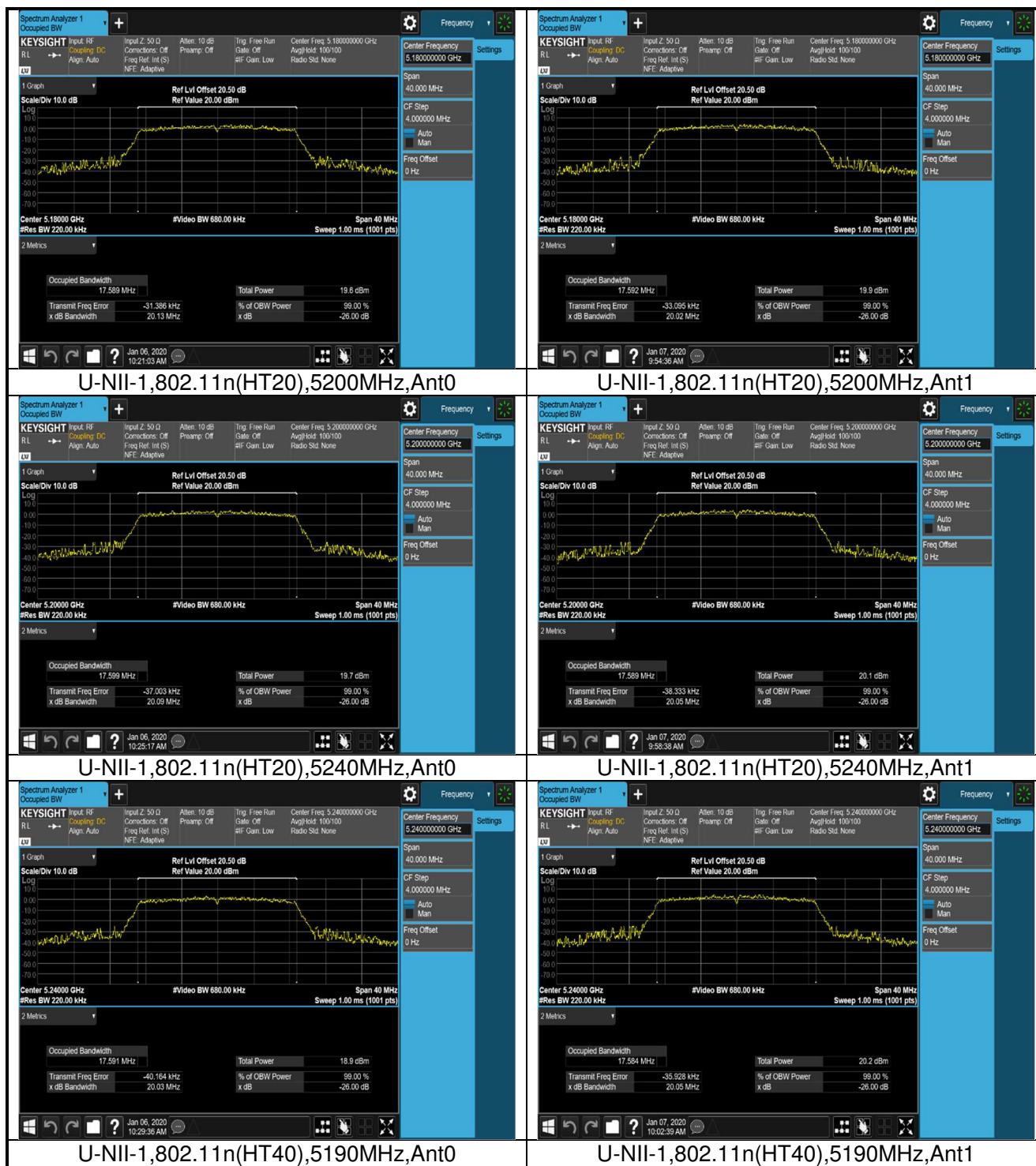
1. Occupied 26dB Bandwidth

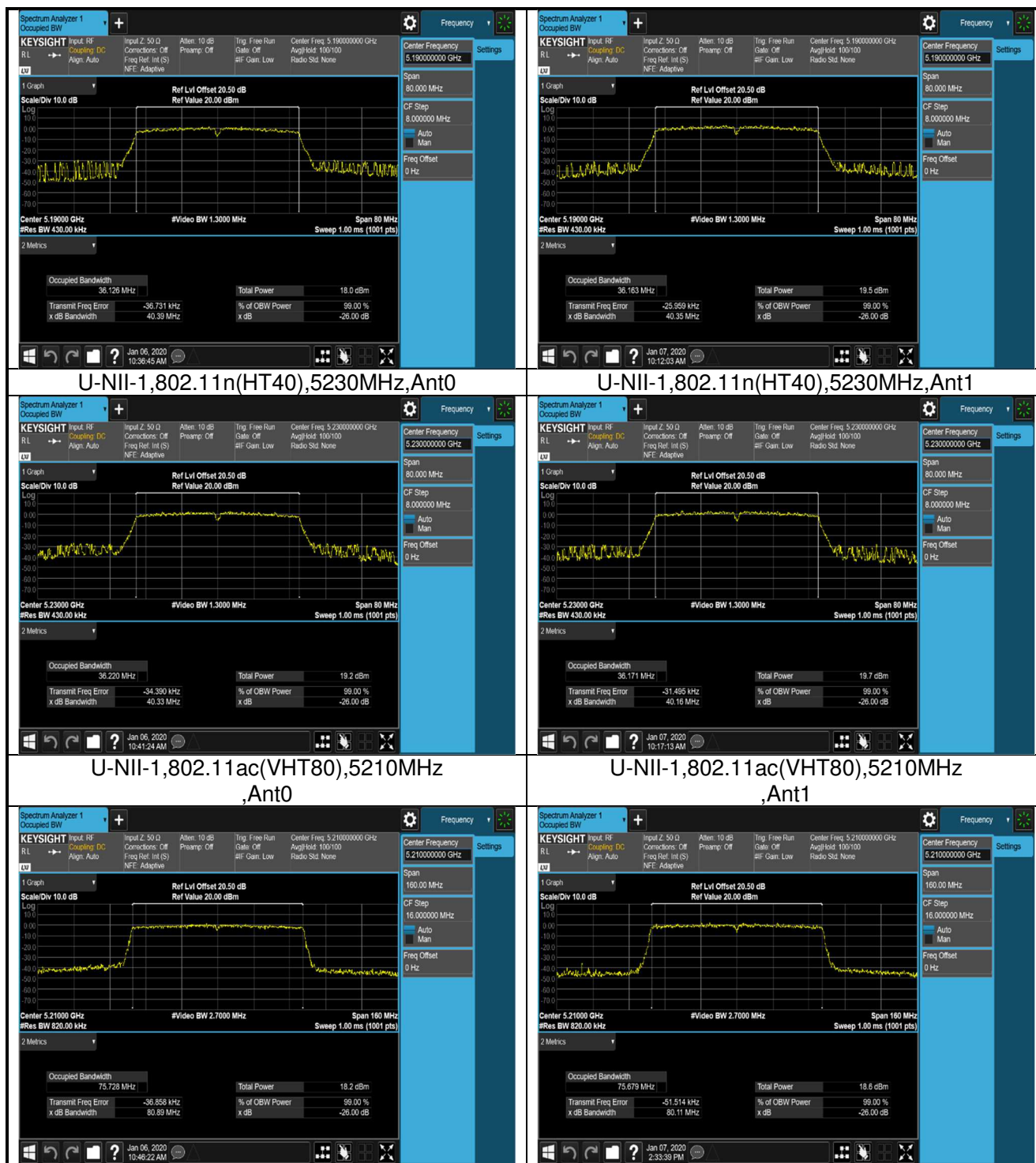
1.1 Test Data

U-NII-1 Occupied 26dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	19.74	Pass
802.11a	5180	Ant1	19.29	Pass
802.11a	5200	Ant0	19.85	Pass
802.11a	5200	Ant1	19.40	Pass
802.11a	5240	Ant0	19.55	Pass
802.11a	5240	Ant1	19.61	Pass
802.11n (HT20)	5180	Ant0	20.13	Pass
802.11n (HT20)	5180	Ant1	20.02	Pass
802.11n (HT20)	5200	Ant0	20.09	Pass
802.11n (HT20)	5200	Ant1	20.05	Pass
802.11n (HT20)	5240	Ant0	20.03	Pass
802.11n (HT20)	5240	Ant1	20.05	Pass
802.11n (HT40)	5190	Ant0	40.39	Pass
802.11n (HT40)	5190	Ant1	40.35	Pass
802.11n (HT40)	5230	Ant0	40.33	Pass
802.11n (HT40)	5230	Ant1	40.16	Pass
802.11ac (VHT80)	5210	Ant0	80.89	Pass
802.11ac (VHT80)	5210	Ant1	80.11	Pass

1.2 Test Plots





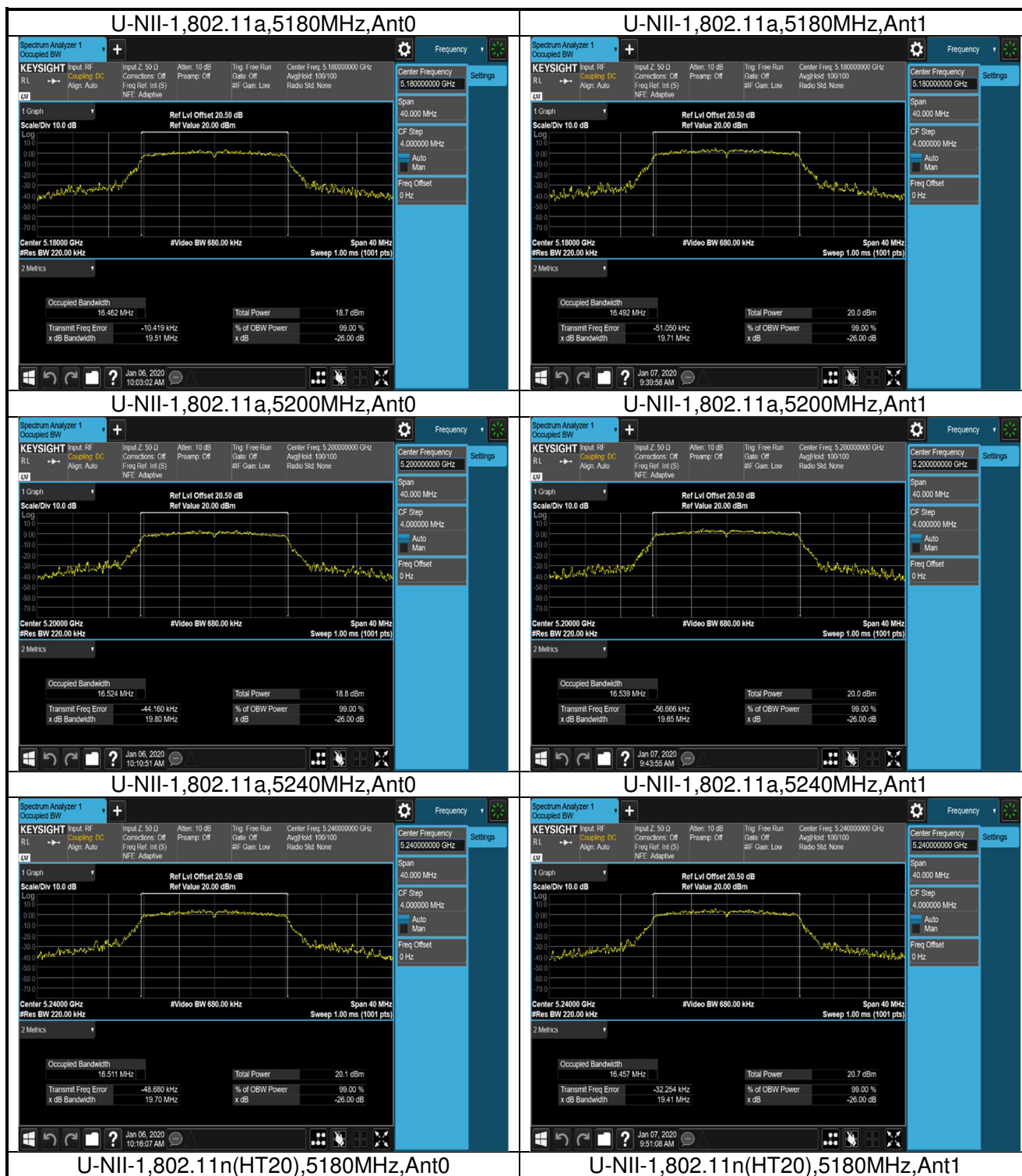


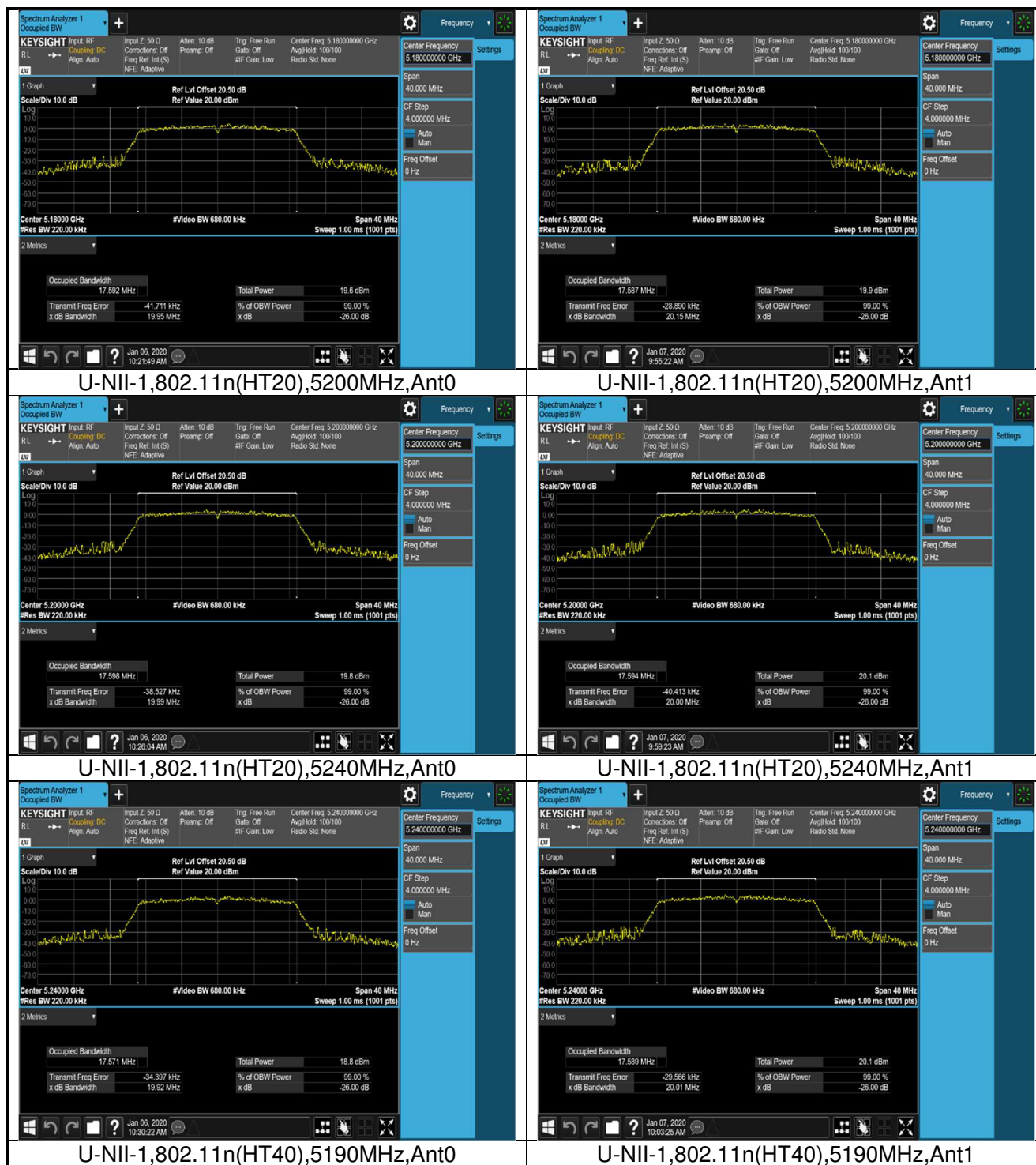
2. 99% Occupied Bandwidth

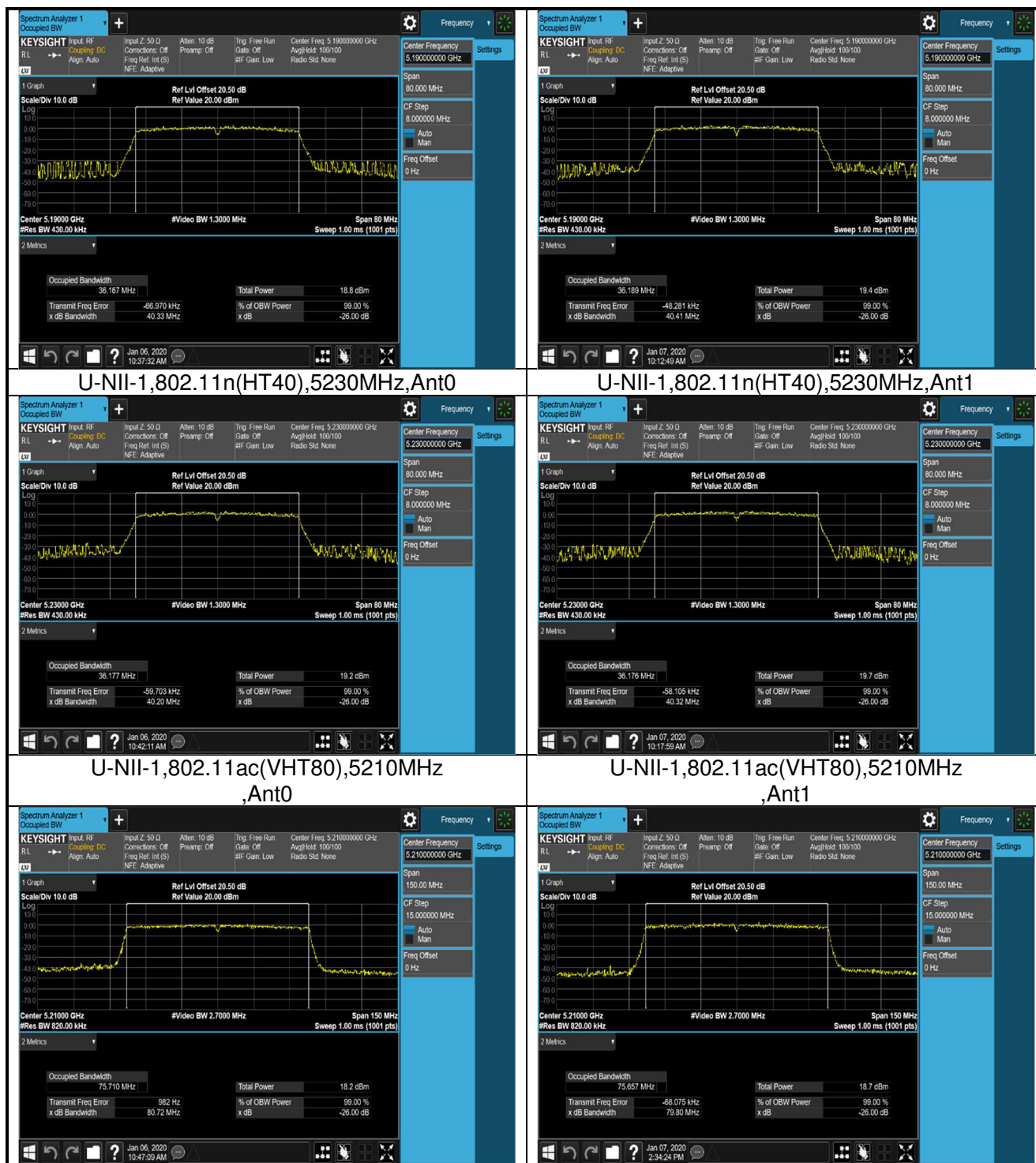
2.1 Test Data

U-NII-1 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	16.462	Pass
802.11a	5180	Ant1	16.492	Pass
802.11a	5200	Ant0	16.524	Pass
802.11a	5200	Ant1	16.539	Pass
802.11a	5240	Ant0	16.511	Pass
802.11a	5240	Ant1	16.457	Pass
802.11n (HT20)	5180	Ant0	17.592	Pass
802.11n (HT20)	5180	Ant1	17.587	Pass
802.11n (HT20)	5200	Ant0	17.598	Pass
802.11n (HT20)	5200	Ant1	17.594	Pass
802.11n (HT20)	5240	Ant0	17.571	Pass
802.11n (HT20)	5240	Ant1	17.589	Pass
802.11n (HT40)	5190	Ant0	36.167	Pass
802.11n (HT40)	5190	Ant1	36.189	Pass
802.11n (HT40)	5230	Ant0	36.177	Pass
802.11n (HT40)	5230	Ant1	36.176	Pass
802.11ac (VHT80)	5210	Ant0	75.710	Pass
802.11ac (VHT80)	5210	Ant1	75.657	Pass

2.2 Test Plots





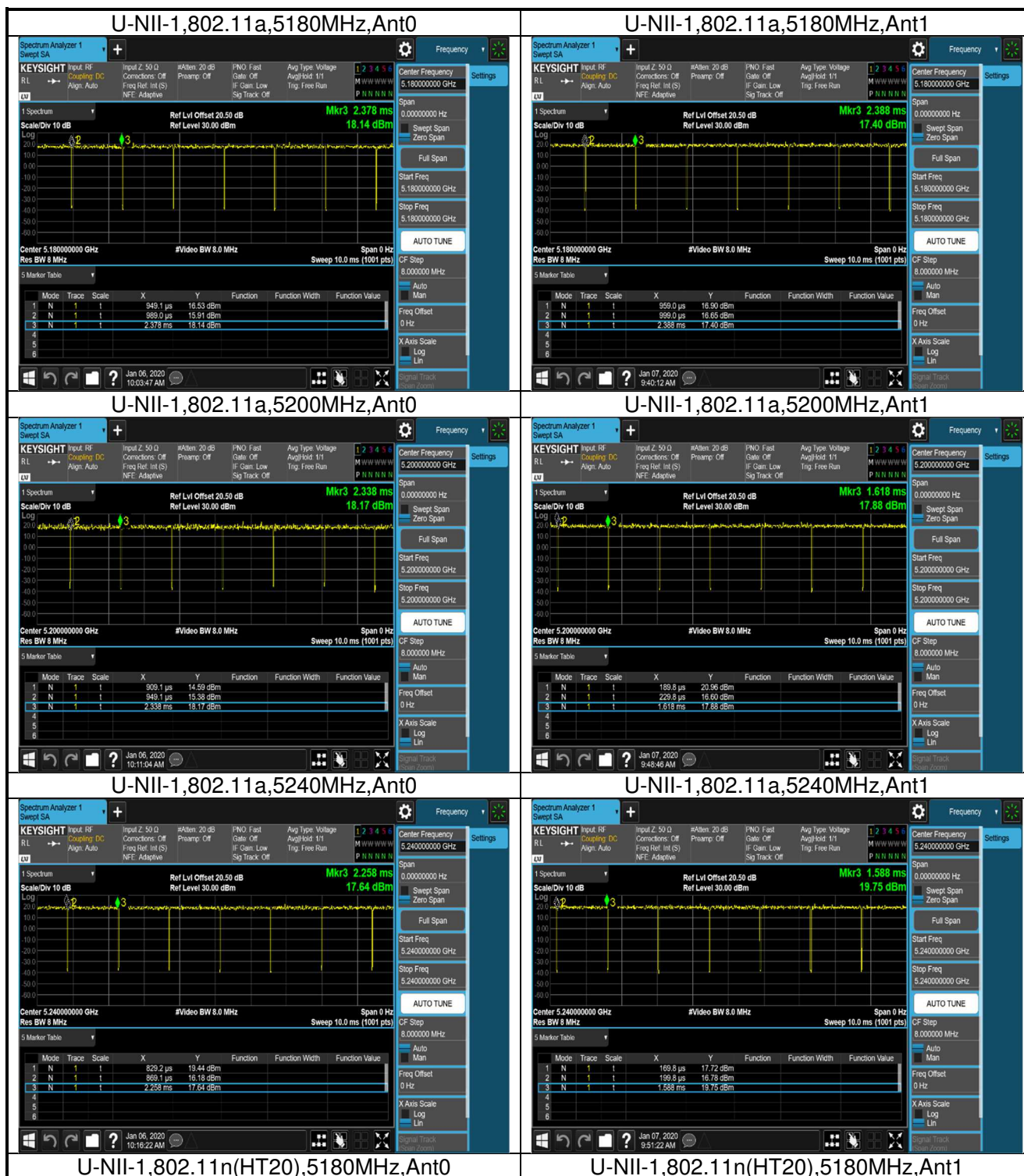


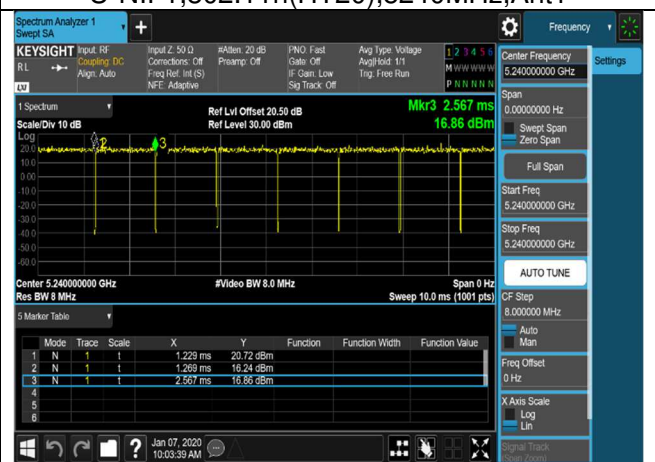
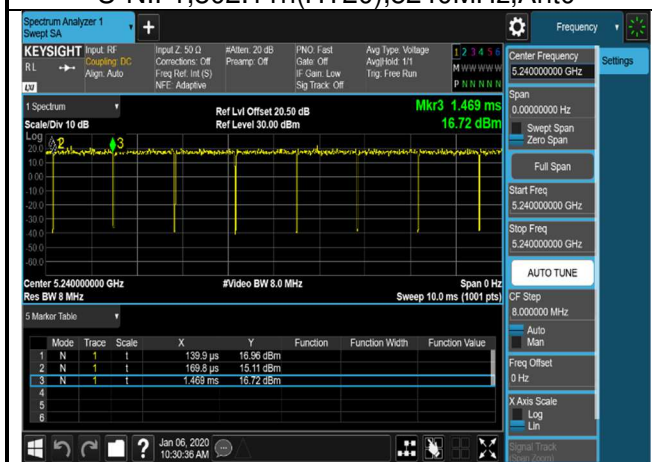
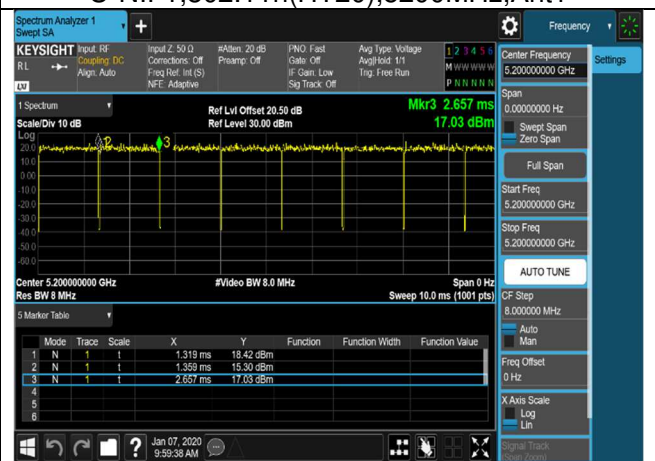
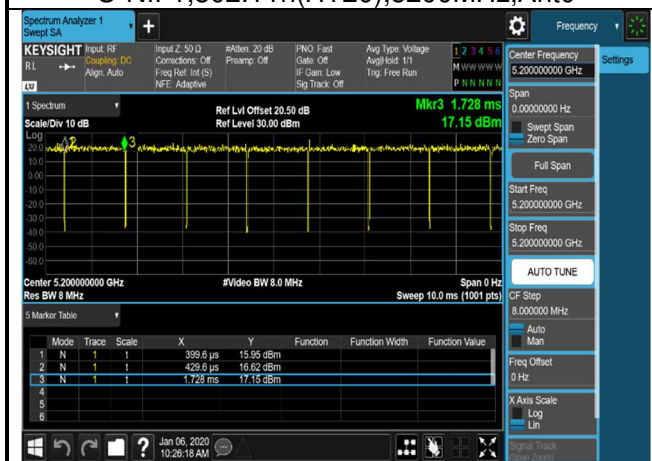
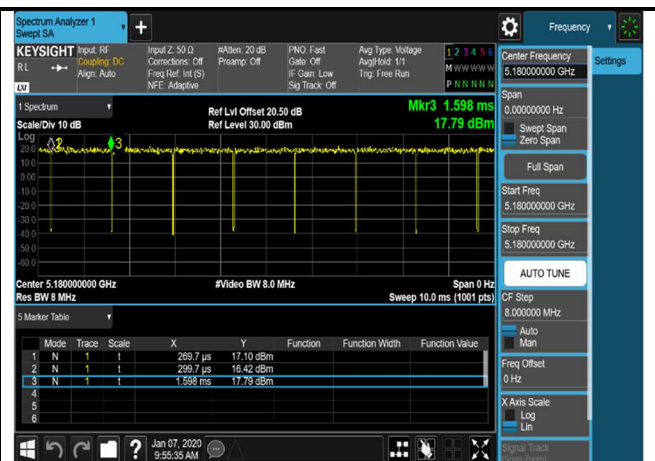
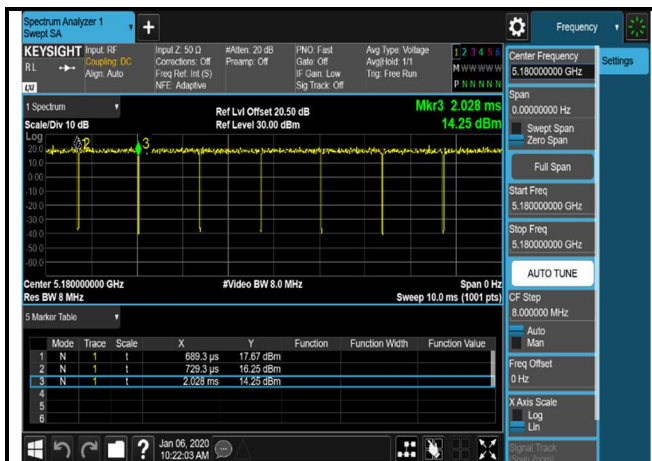
3. Duty Cycle

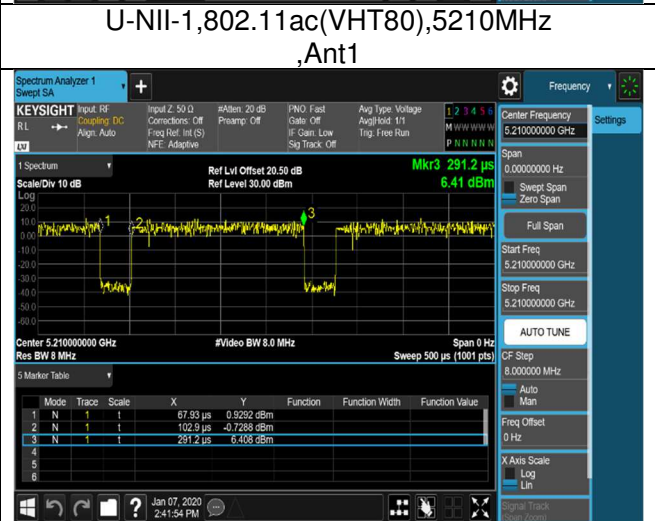
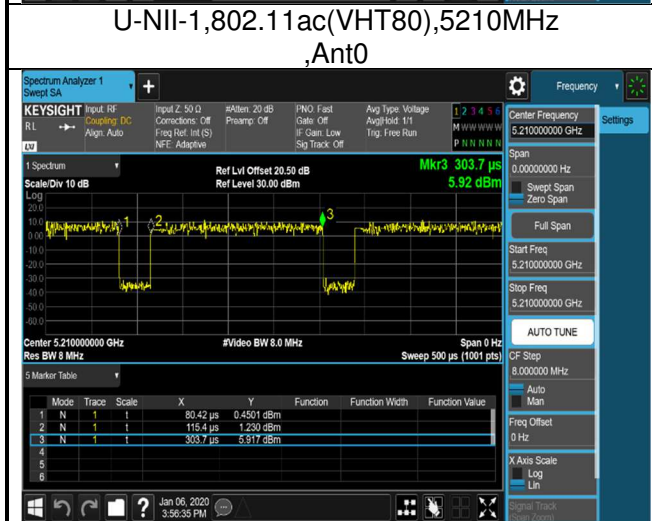
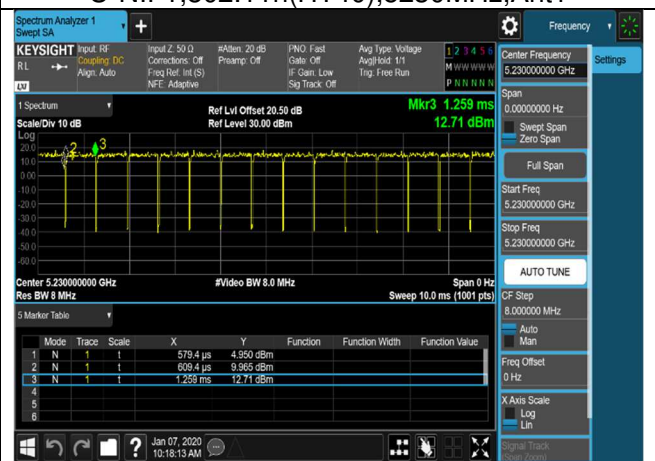
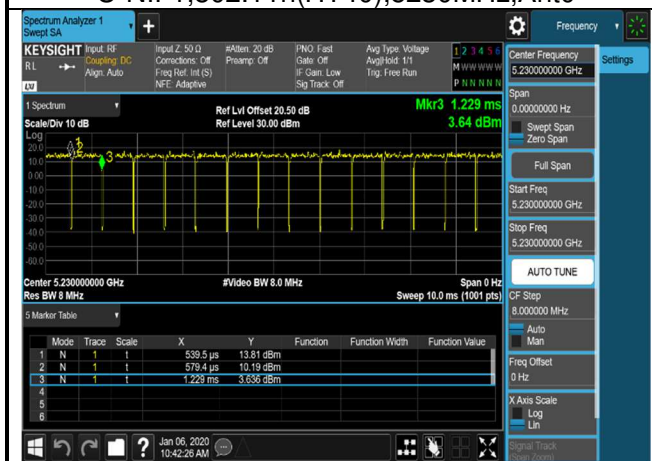
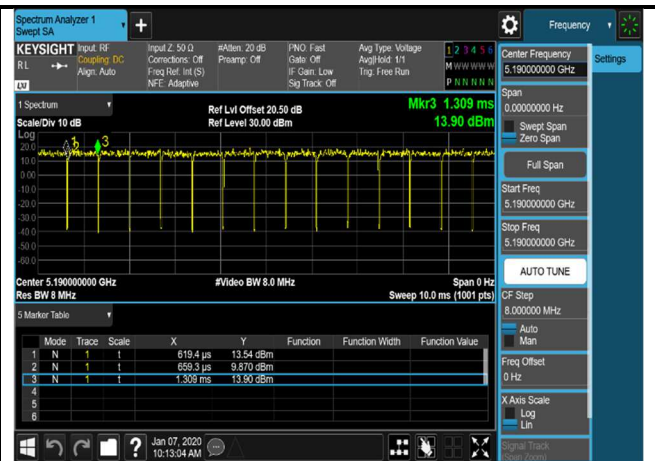
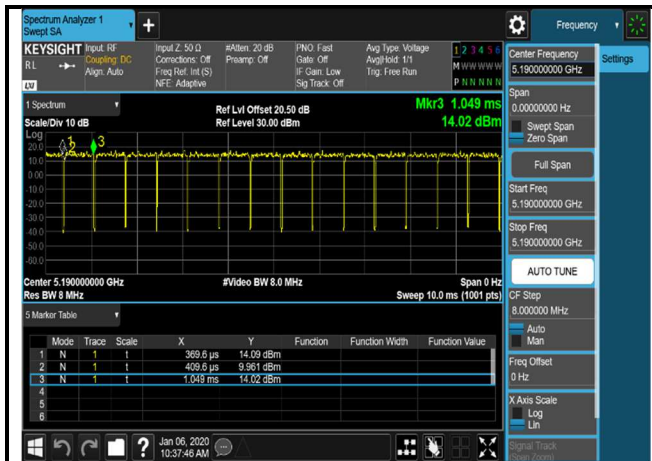
3.1 Test Data

U-NII-1 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5180	Ant0	97.20	0.12
802.11a	5180	Ant1	97.20	0.12
802.11a	5200	Ant0	97.20	0.12
802.11a	5200	Ant1	97.20	0.12
802.11a	5240	Ant0	97.20	0.12
802.11a	5240	Ant1	97.89	0.09
802.11n (HT20)	5180	Ant0	97.01	0.13
802.11n (HT20)	5180	Ant1	97.74	0.10
802.11n (HT20)	5200	Ant0	97.74	0.10
802.11n (HT20)	5200	Ant1	97.01	0.13
802.11n (HT20)	5240	Ant0	97.74	0.10
802.11n (HT20)	5240	Ant1	97.01	0.13
802.11n (HT40)	5190	Ant0	94.12	0.26
802.11n (HT40)	5190	Ant1	94.20	0.26
802.11n (HT40)	5230	Ant0	94.20	0.26
802.11n (HT40)	5230	Ant1	95.59	0.20
802.11ac (VHT80)	5210	Ant0	84.34	0.74
802.11ac (VHT80)	5210	Ant1	84.34	0.74

3.2 Test Plots







4. AVGSA Output Power

4.1 Test Data

U-NII-1 AVGSA Output Power									
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	FCC Power Limit (dBm)	EIRP (dBm)	IC EIRP Limit (dBm)	Result
802.11a	5180	Ant0	0.12	14.26	14.26	24	15.87	22	Pass
802.11a	5180	Ant1	0.12	14.42	14.42	24	14.57	22	Pass
802.11a	5200	Ant0	0.12	13.06	13.06	24	14.67	22	Pass
802.11a	5200	Ant1	0.12	14.81	14.81	24	14.96	22	Pass
802.11a	5240	Ant0	0.12	14.50	14.50	24	16.11	22	Pass
802.11a	5240	Ant1	0.09	14.87	14.87	24	15.02	22	Pass
802.11n (HT20)	5180	Ant0	0.13	13.77	16.93	24	17.87	22	Pass
802.11n (HT20)	5180	Ant1	0.10	14.06					
802.11n (HT20)	5200	Ant0	0.10	13.94	17.12	24	18.06	22	Pass
802.11n (HT20)	5200	Ant1	0.13	14.27					
802.11n (HT20)	5240	Ant0	0.10	12.90	16.65	24	17.60	22	Pass
802.11n (HT20)	5240	Ant1	0.13	14.28					
802.11n (HT40)	5190	Ant0	0.26	13.22	16.46	24	17.40	23	Pass
802.11n (HT40)	5190	Ant1	0.26	13.67					
802.11n (HT40)	5230	Ant0	0.26	13.36	16.54	24	17.49	23	Pass
802.11n (HT40)	5230	Ant1	0.20	13.70					
802.11ac VHT80)	5210	Ant0	0.74	9.95	12.90	24	13.84	23	Pass
802.11ac VHT80)	5210	Ant1	0.75	9.83					

4.2 Test Plots

