

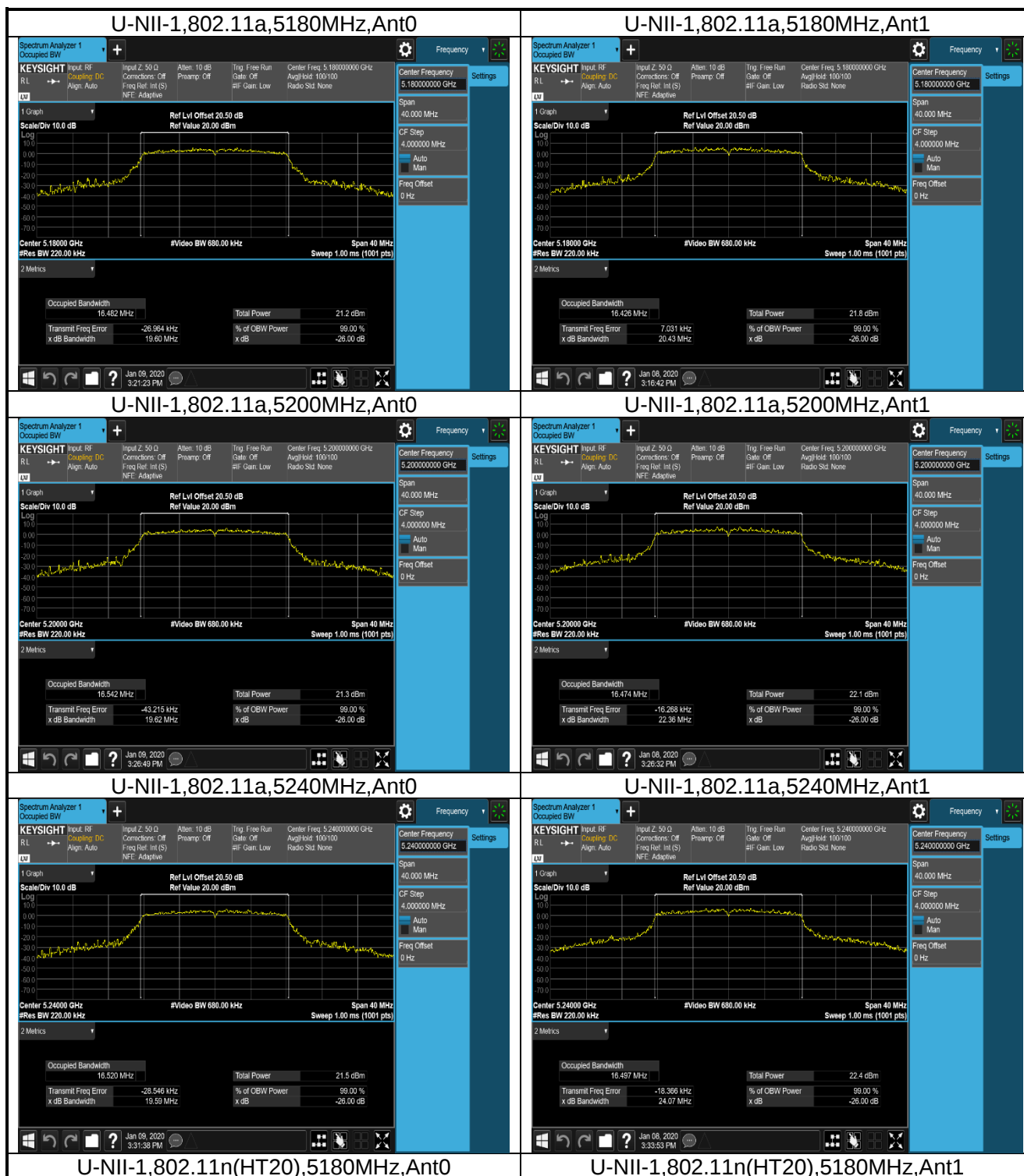
Appendix A: Test results

1. Occupied N dB Bandwidth

1.1 Test Data

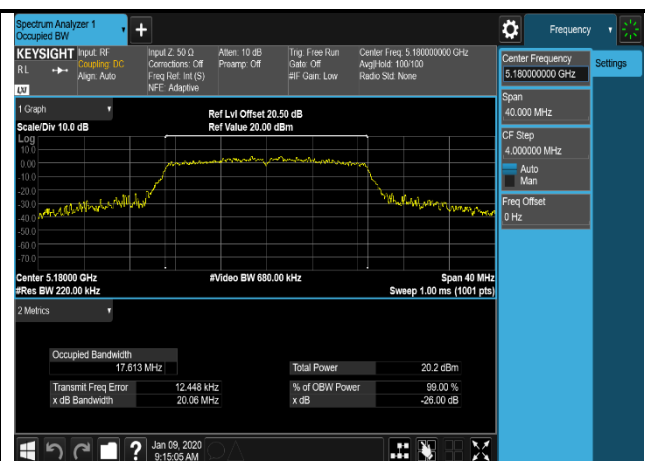
U-NII-1 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	19.60	Pass
802.11a	5180	Ant1	20.43	Pass
802.11a	5200	Ant0	19.62	Pass
802.11a	5200	Ant1	22.36	Pass
802.11a	5240	Ant0	19.59	Pass
802.11a	5240	Ant1	24.07	Pass
802.11n (HT20)	5180	Ant0	19.99	Pass
802.11n (HT20)	5180	Ant1	20.06	Pass
802.11n (HT20)	5200	Ant0	20.10	Pass
802.11n (HT20)	5200	Ant1	19.93	Pass
802.11n (HT20)	5240	Ant0	20.01	Pass
802.11n (HT20)	5240	Ant1	20.01	Pass
802.11n (HT40)	5190	Ant0	40.48	Pass
802.11n (HT40)	5190	Ant1	40.46	Pass
802.11n (HT40)	5230	Ant0	40.54	Pass
802.11n (HT40)	5230	Ant1	43.62	Pass
802.11ac (VHT80)	5210	Ant0	80.39	Pass
802.11ac (VHT80)	5210	Ant1	79.93	Pass

1.2 Test Plots

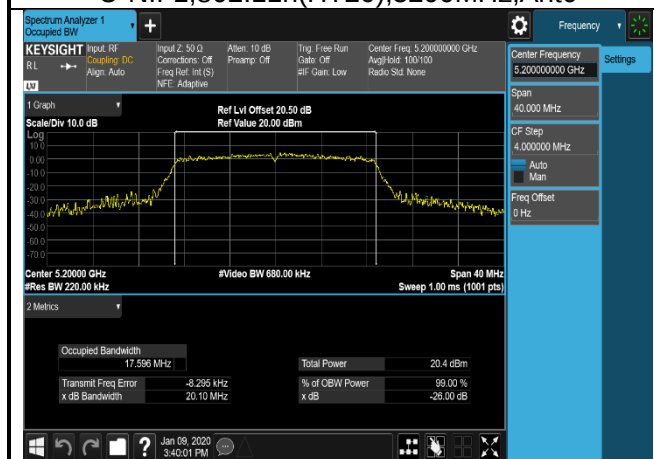




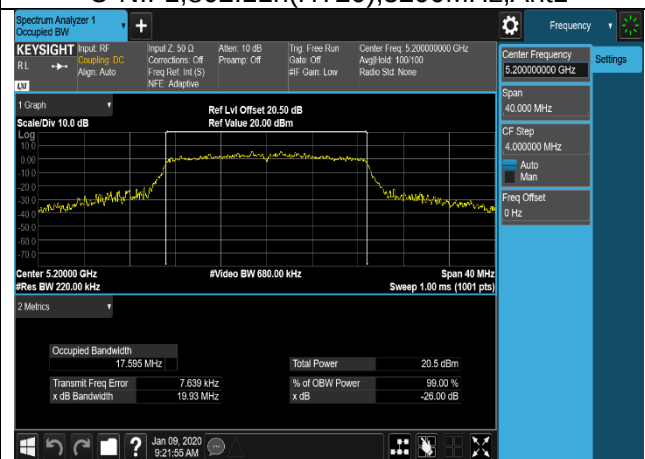
U-NII-1,802.11n(HT20),5200MHz,Ant0



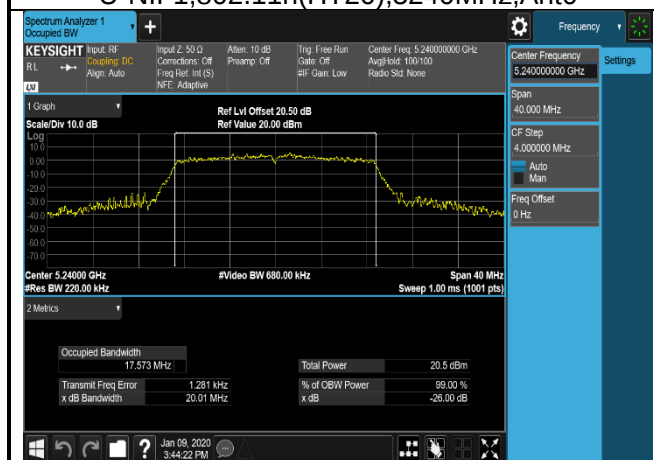
U-NII-1,802.11n(HT20),5200MHz,Ant1



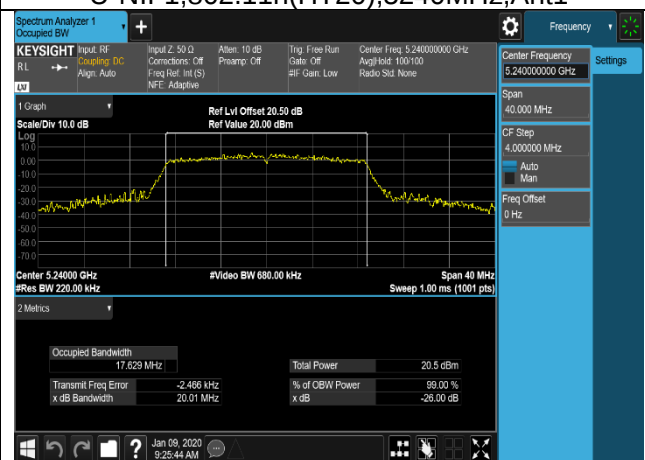
U-NII-1,802.11n(HT20),5240MHz,Ant0



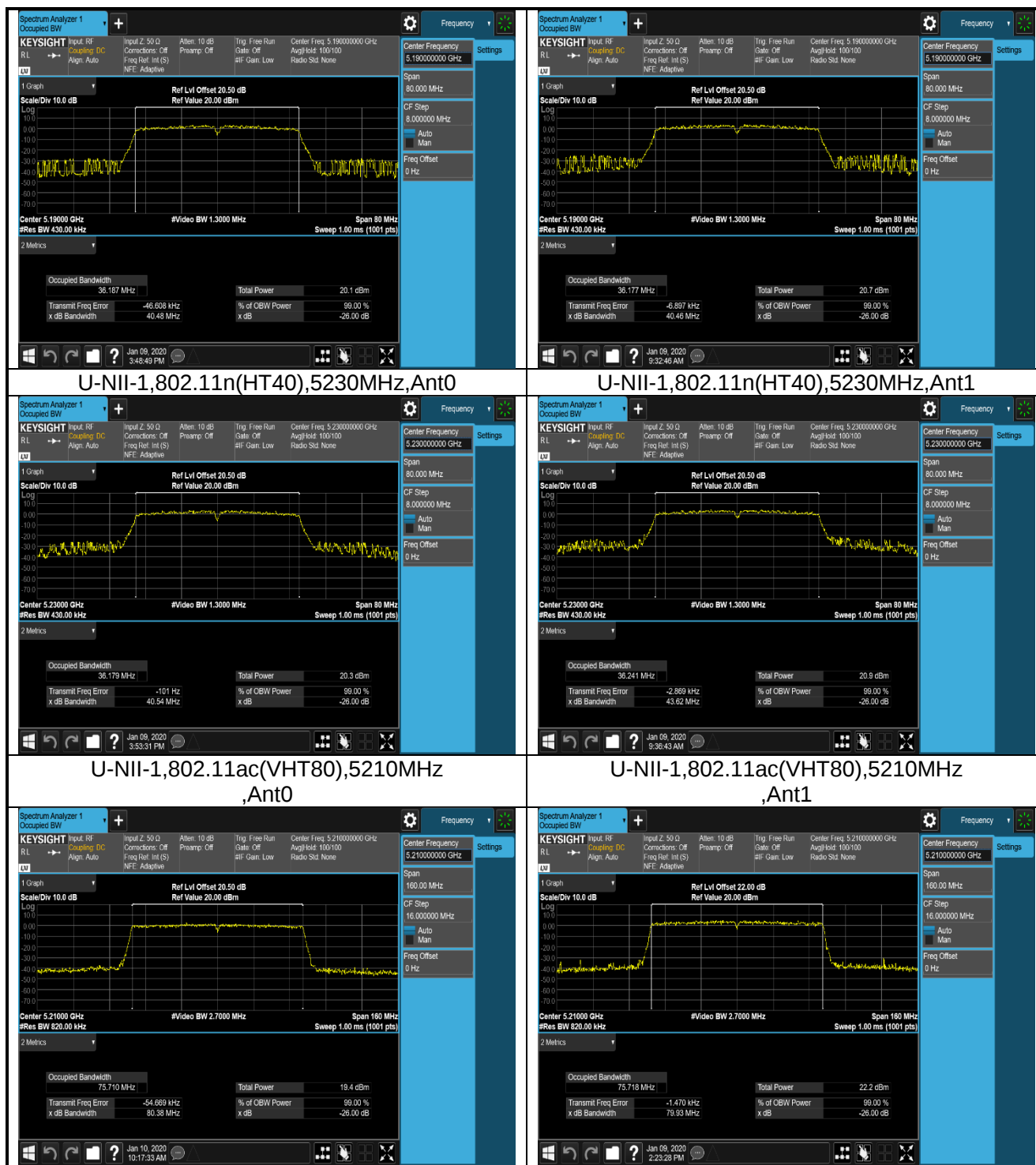
U-NII-1,802.11n(HT20),5240MHz,Ant1



U-NII-1,802.11n(HT40),5190MHz,Ant0



U-NII-1,802.11n(HT40),5190MHz,Ant1

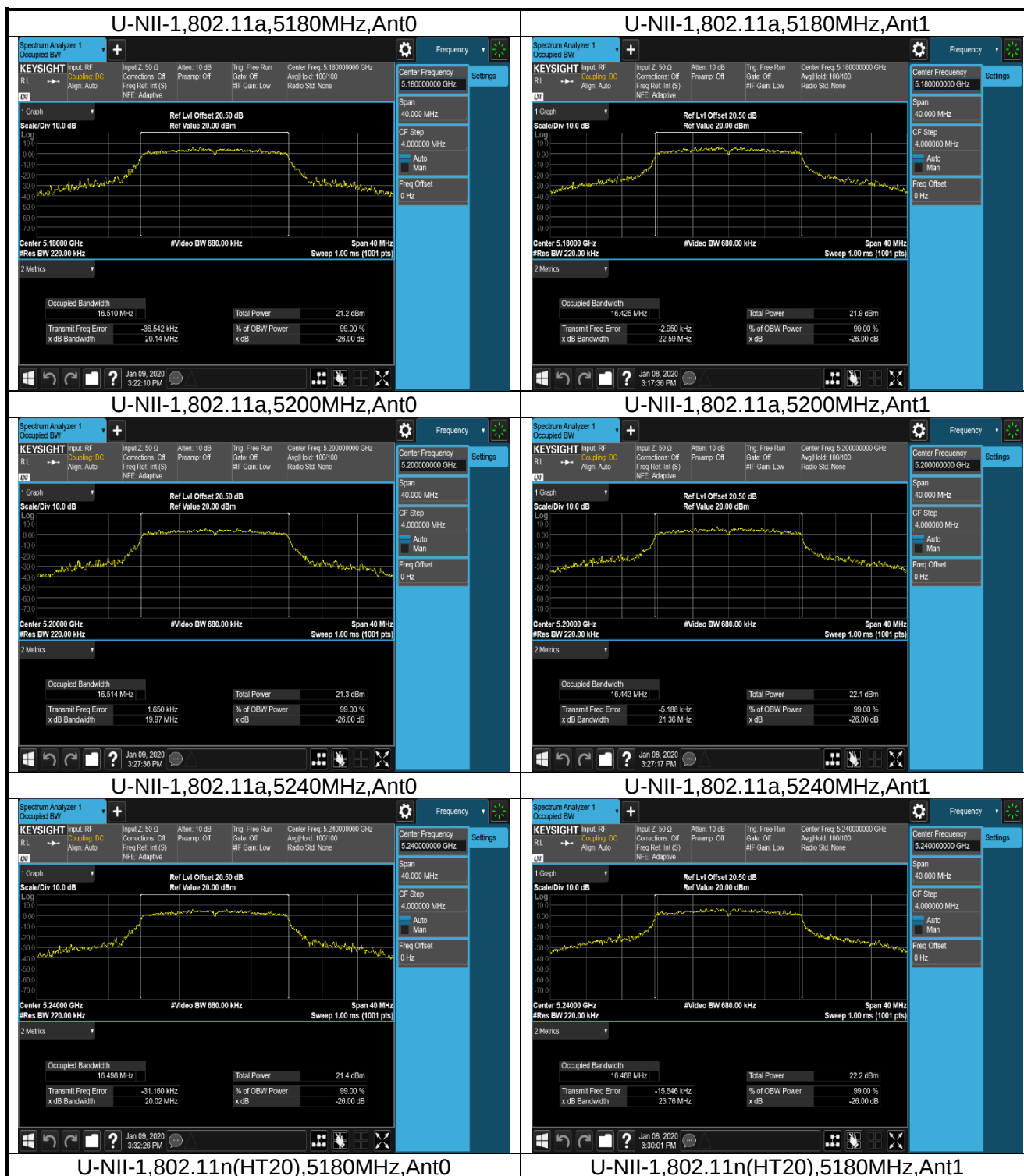


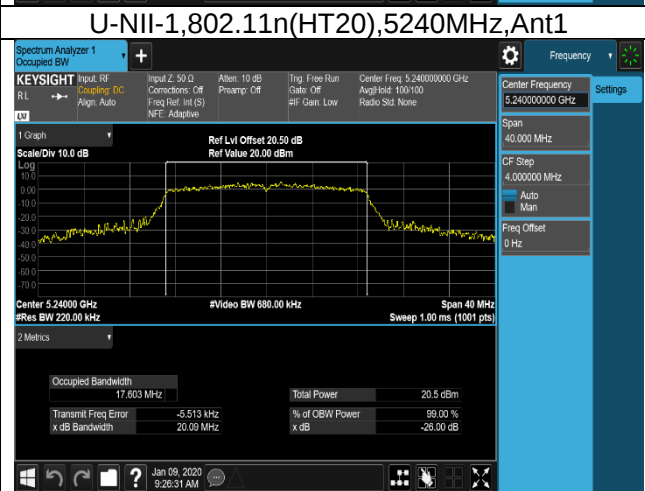
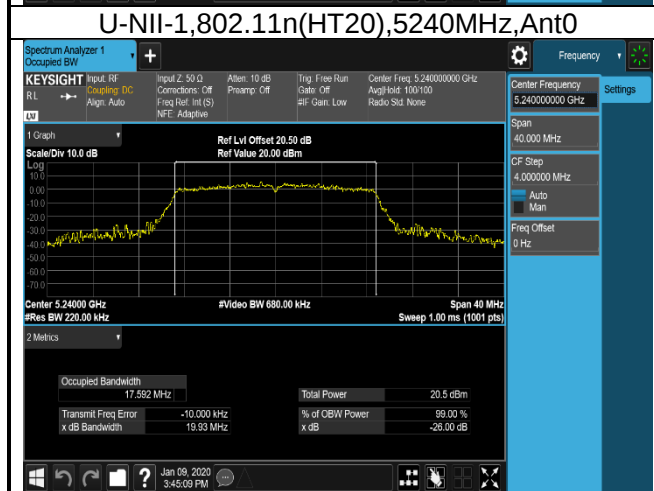
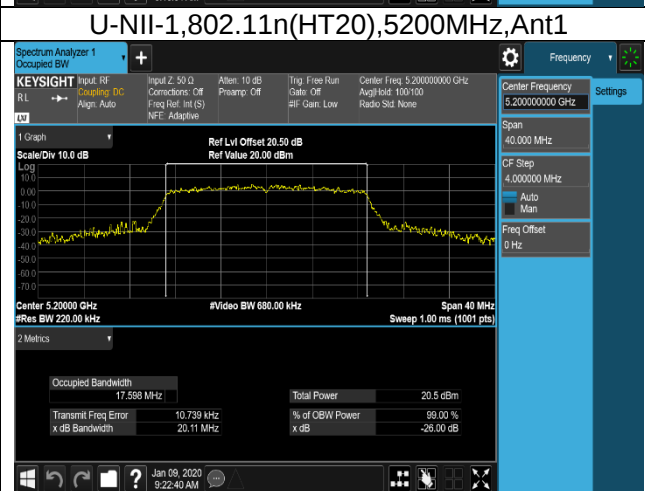
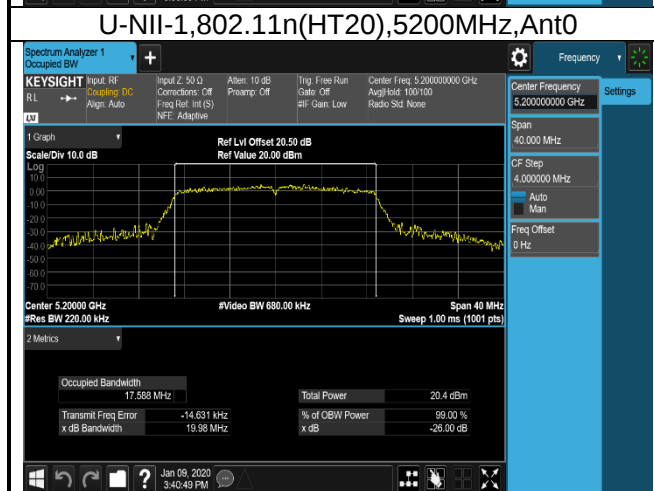
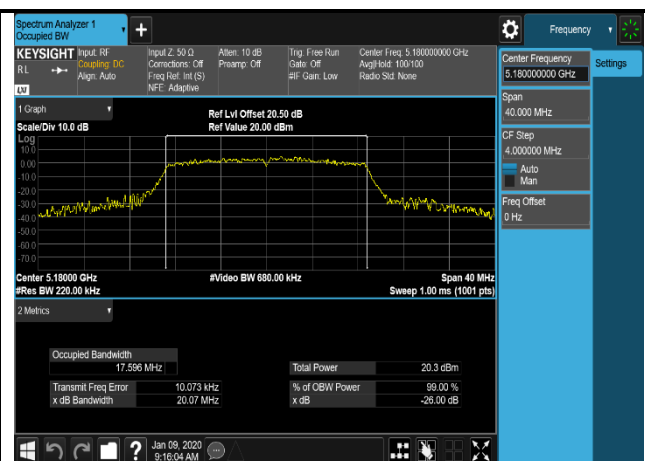
2. 99% Occupied Bandwidth

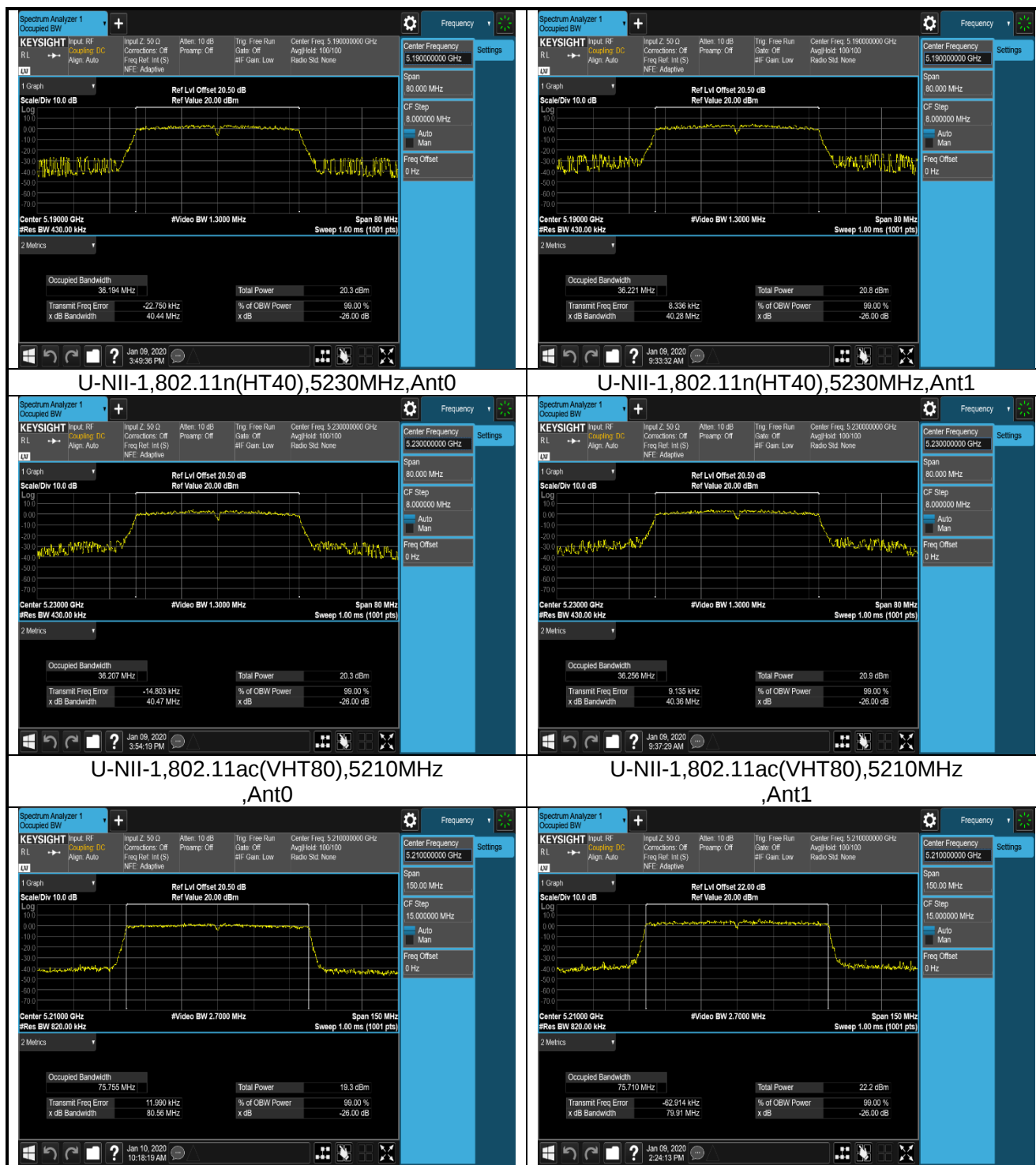
2.1 Test Data

U-NII-1 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	16.510	Pass
802.11a	5180	Ant1	16.425	Pass
802.11a	5200	Ant0	16.514	Pass
802.11a	5200	Ant1	16.443	Pass
802.11a	5240	Ant0	16.498	Pass
802.11a	5240	Ant1	16.468	Pass
802.11n (HT20)	5180	Ant0	17.590	Pass
802.11n (HT20)	5180	Ant1	17.596	Pass
802.11n (HT20)	5200	Ant0	17.588	Pass
802.11n (HT20)	5200	Ant1	17.598	Pass
802.11n (HT20)	5240	Ant0	17.592	Pass
802.11n (HT20)	5240	Ant1	17.603	Pass
802.11n (HT40)	5190	Ant0	36.194	Pass
802.11n (HT40)	5190	Ant1	36.221	Pass
802.11n (HT40)	5230	Ant0	36.207	Pass
802.11n (HT40)	5230	Ant1	36.256	Pass
802.11ac (VHT80)	5210	Ant0	75.755	Pass
802.11ac (VHT80)	5210	Ant1	75.710	Pass

2.2 Test Plots





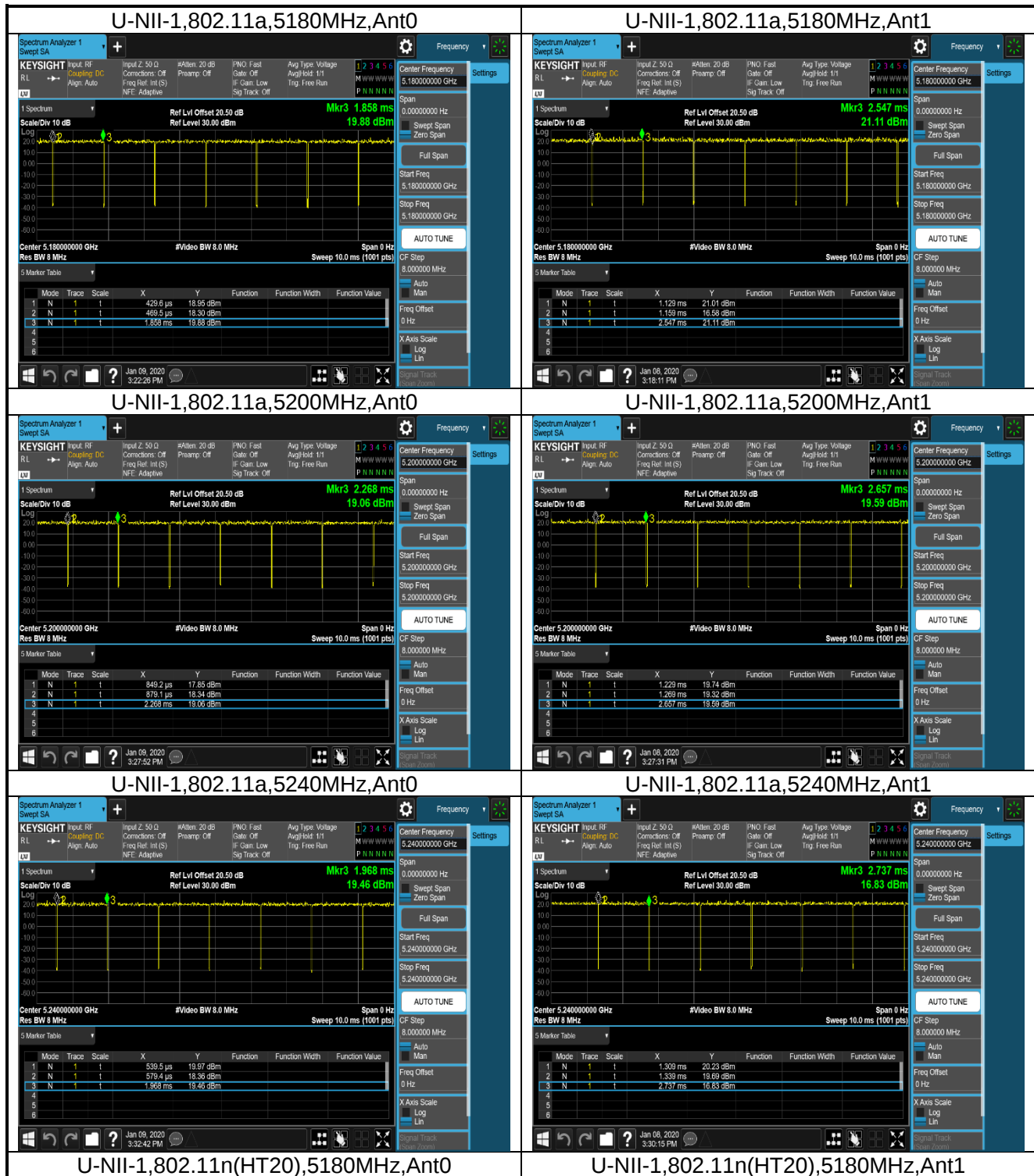


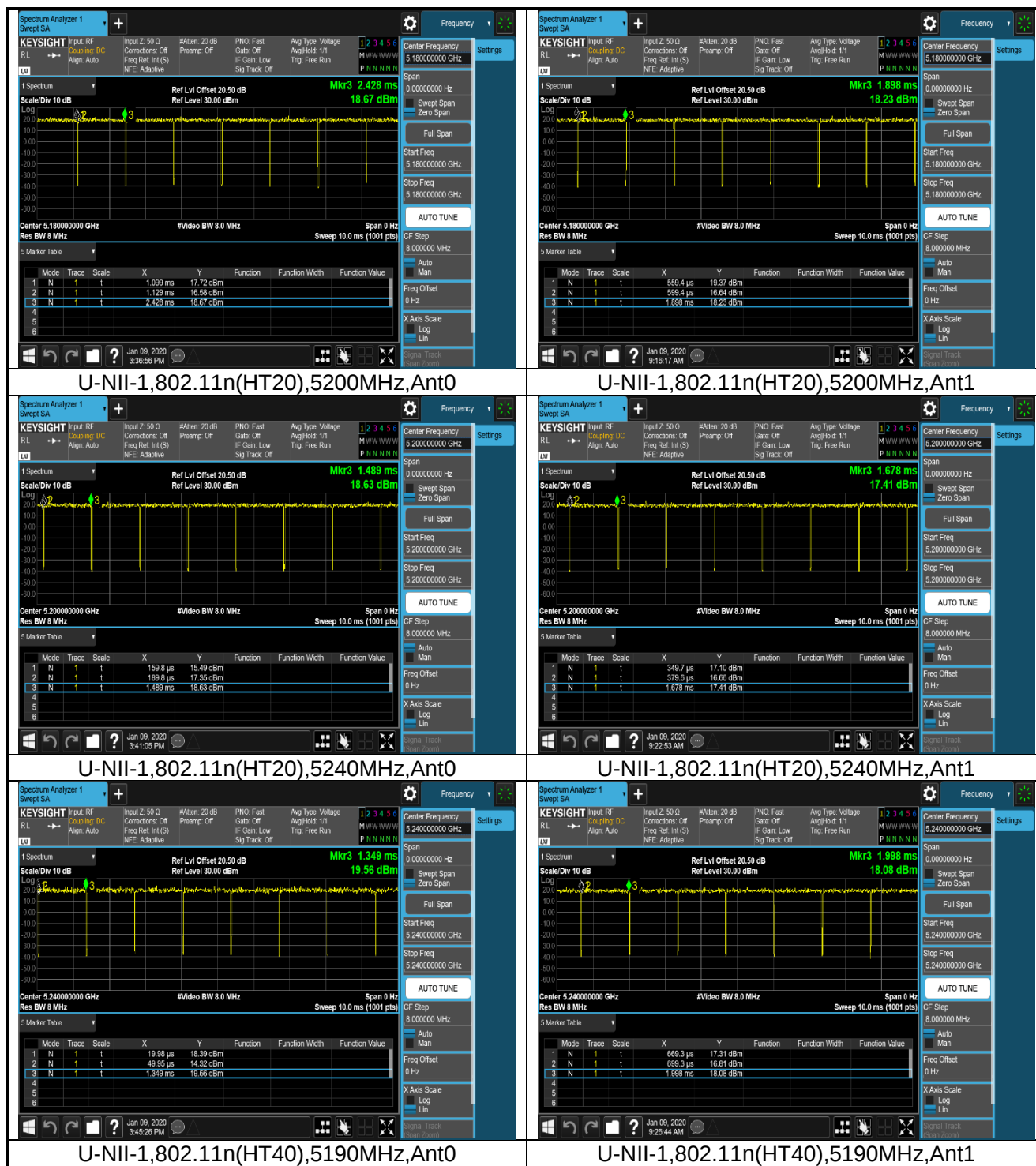
3. Duty Cycle

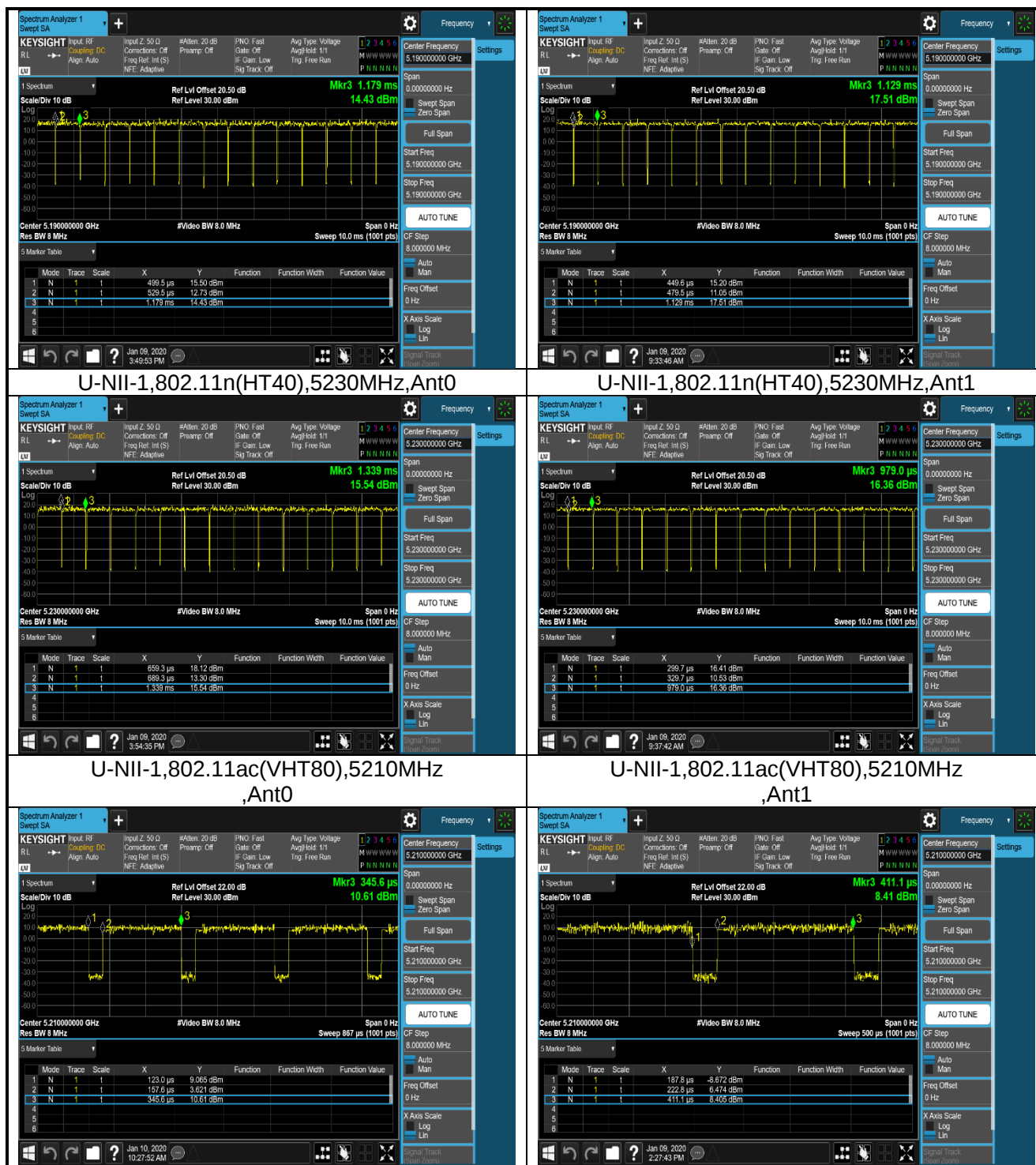
3.1 Test Data

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	97.89	0.09
802.11a	5200	Ant0	97.89	0.09
802.11a	5200	Ant1	97.20	0.12
802.11a	5240	Ant0	97.20	0.12
802.11a	5240	Ant1	97.90	0.09
802.11n (HT20)	5180	Ant0	97.74	0.10
802.11n (HT20)	5180	Ant1	97.01	0.13
802.11n (HT20)	5200	Ant0	97.74	0.10
802.11n (HT20)	5200	Ant1	97.74	0.10
802.11n (HT20)	5240	Ant0	97.74	0.10
802.11n (HT20)	5240	Ant1	97.74	0.10
802.11n (HT40)	5190	Ant0	95.59	0.20
802.11n (HT40)	5190	Ant1	95.59	0.20
802.11n (HT40)	5230	Ant0	95.59	0.20
802.11n (HT40)	5230	Ant1	95.59	0.20
802.11ac (VHT80)	5210	Ant0	84.44	0.73
802.11ac (VHT80)	5210	Ant1	84.34	0.74

3.2 Test Plots







4. AVGSA Output Power

4.1 Test Data

FCC 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	15.59	15.59	24	17.42	22	Pass
802.11a	5180	Ant1	0.09	16.19	16.19	24	17.72	22	Pass
802.11a	5200	Ant0	0.09	15.68	15.68	24	17.51	22	Pass
802.11a	5200	Ant1	0.09	16.46	16.46	24	17.99	22	Pass
802.11a	5240	Ant0	0.12	15.78	15.78	24	17.61	22	Pass
802.11a	5240	Ant1	0.09	16.76	16.76	24	18.29	22	Pass
802.11n (HT20)	5180	Ant0	0.10	14.49	17.40	24	19.08	22	Pass
802.11n (HT20)	5180	Ant1	0.13	14.29					
802.11n (HT20)	5200	Ant0	0.10	14.54	17.65	24	19.33	22	Pass
802.11n (HT20)	5200	Ant1	0.10	14.73					
802.11n (HT20)	5240	Ant0	0.10	14.72	17.76	24	19.44	22	Pass
802.11n (HT20)	5240	Ant1	0.10	14.78					
802.11n (HT40)	5190	Ant0	0.20	14.34	17.65	24	19.33	23	Pass
802.11n (HT40)	5190	Ant1	0.20	14.92					
802.11n (HT40)	5230	Ant0	0.20	14.39	17.70	24	19.38	23	Pass
802.11n (HT40)	5230	Ant1	0.20	14.97					
802.11ac (VHT80)	5210	Ant0	0.75	12.97	16.09	24	17.77	23	Pass
802.11ac (VHT80)	5210	Ant1	0.74	13.19					

4.2 Test Plots

