

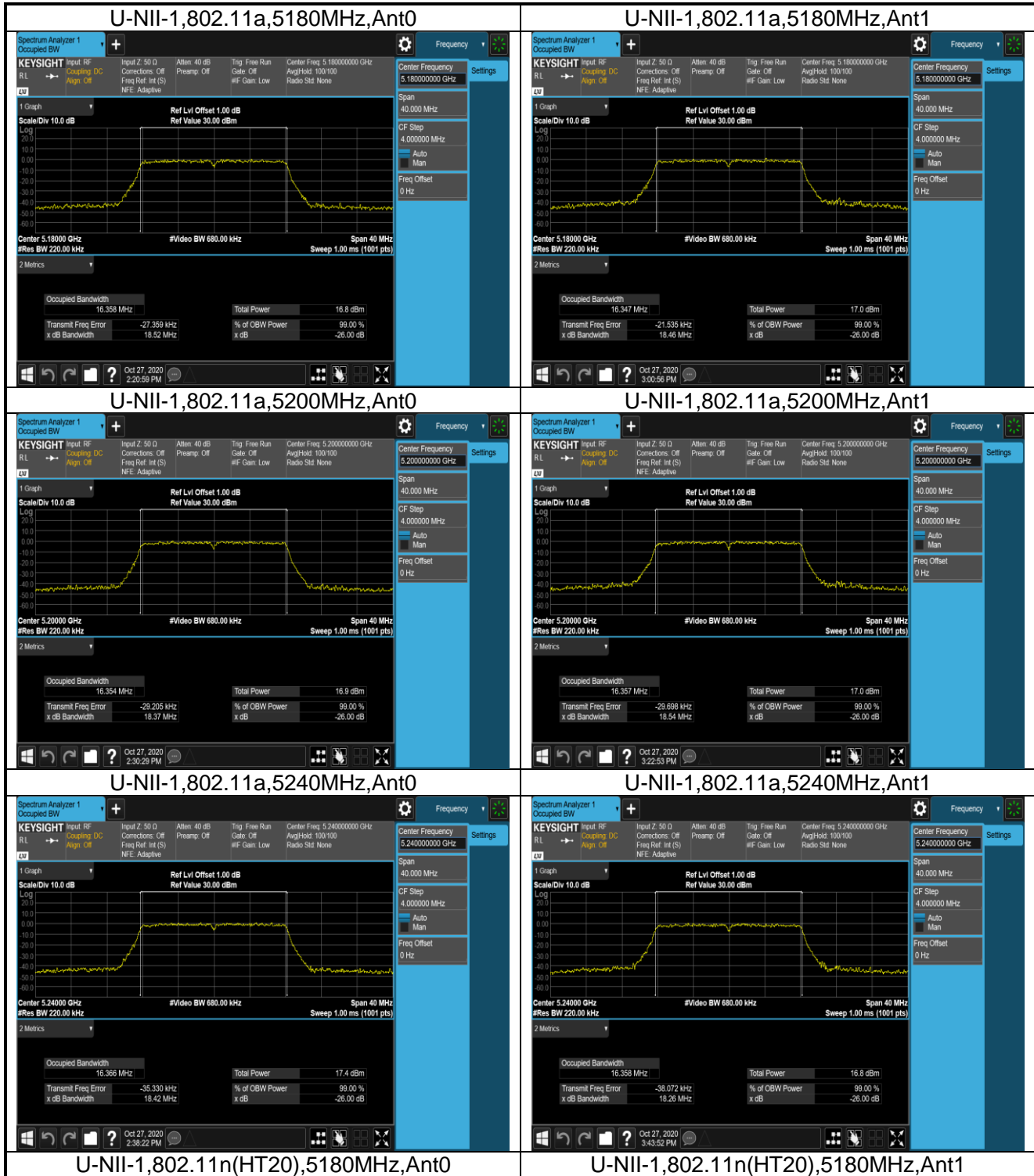
Appendix A: Test results

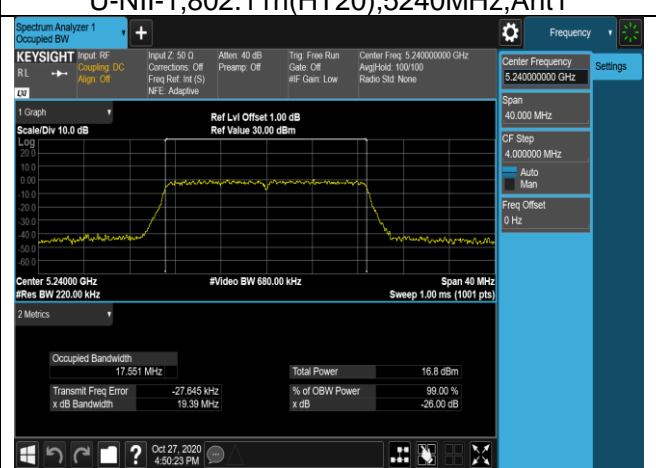
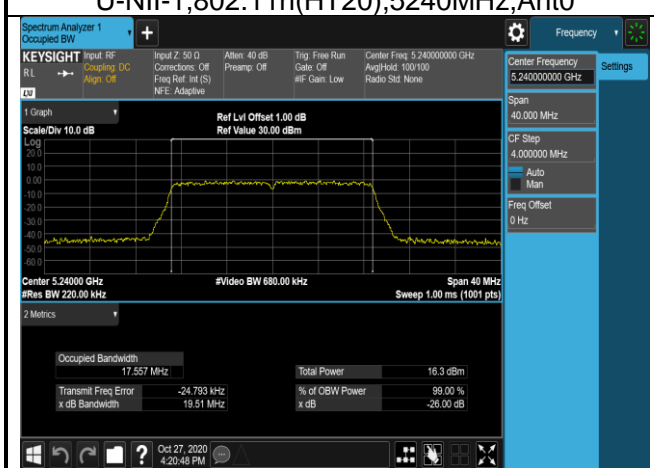
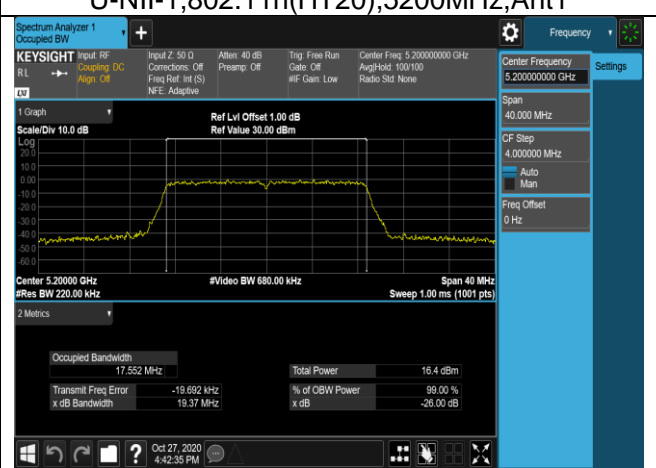
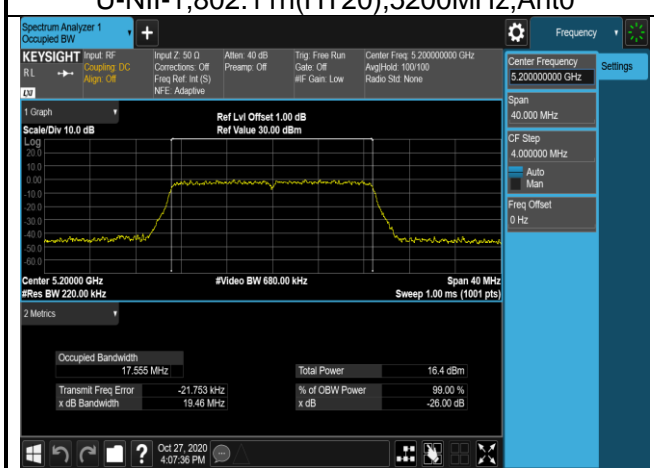
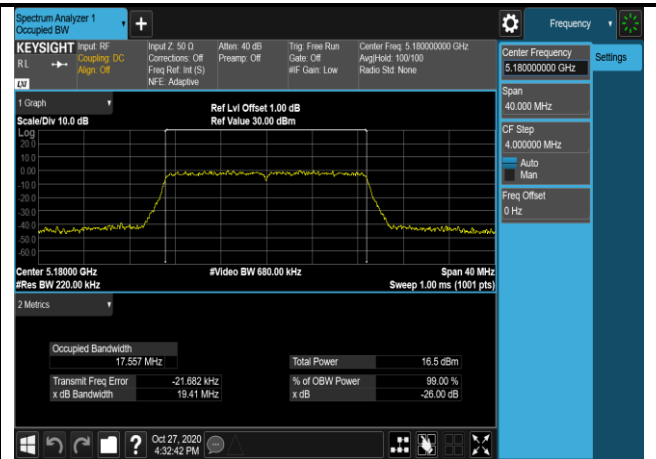
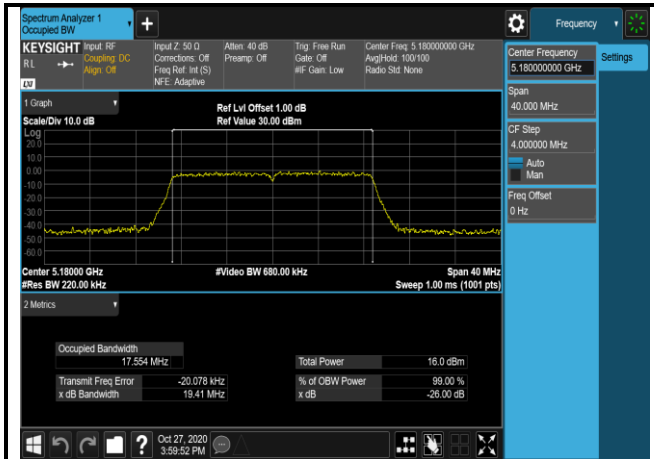
1. Occupied N dB Bandwidth

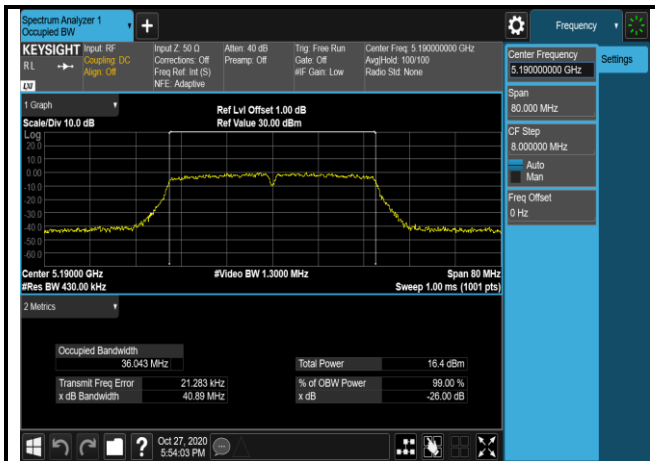
1.1 Test Data

U-NII-1 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	18.52	Pass
802.11a	5180	Ant1	18.46	Pass
802.11a	5200	Ant0	18.37	Pass
802.11a	5200	Ant1	18.54	Pass
802.11a	5240	Ant0	18.42	Pass
802.11a	5240	Ant1	18.26	Pass
802.11n (HT20)	5180	Ant0	19.41	Pass
802.11n (HT20)	5180	Ant1	19.41	Pass
802.11n (HT20)	5200	Ant0	19.46	Pass
802.11n (HT20)	5200	Ant1	19.37	Pass
802.11n (HT20)	5240	Ant0	19.51	Pass
802.11n (HT20)	5240	Ant1	19.39	Pass
802.11n (HT40)	5190	Ant0	40.89	Pass
802.11n (HT40)	5190	Ant1	40.86	Pass
802.11n (HT40)	5230	Ant0	40.89	Pass
802.11n (HT40)	5230	Ant1	40.96	Pass
802.11ac (VHT80)	5210	Ant0	80.71	Pass
802.11ac (VHT80)	5210	Ant1	81.12	Pass

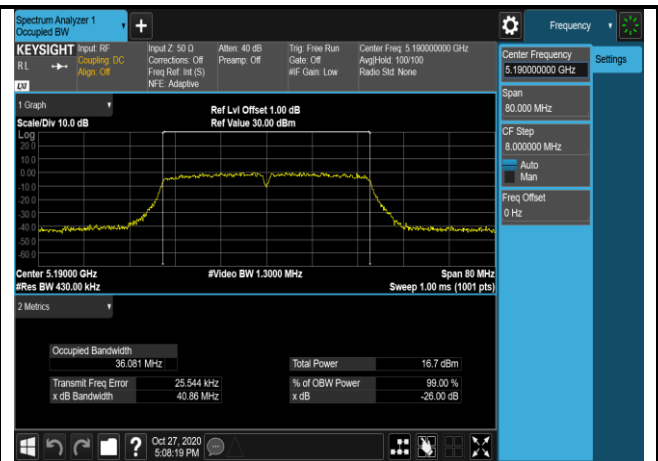
1.2 Test Plots



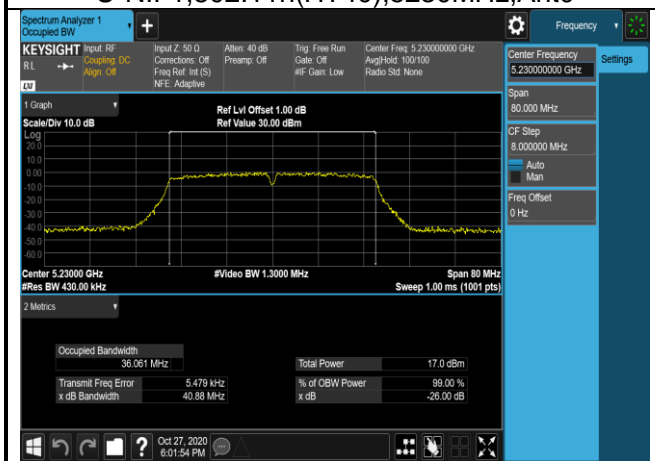




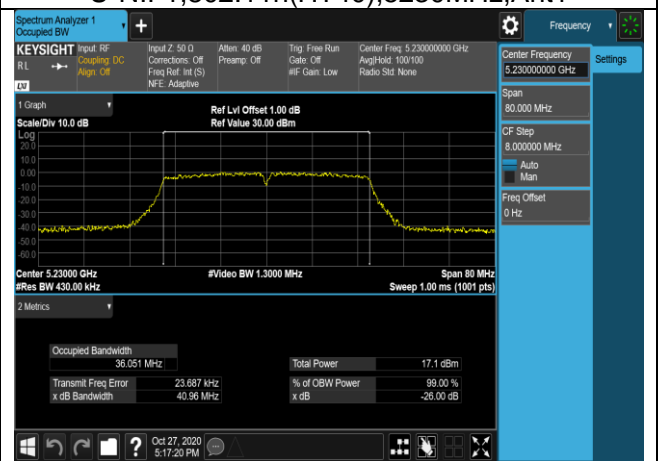
U-NII-1,802.11n(HT40),5230MHz,Ant0



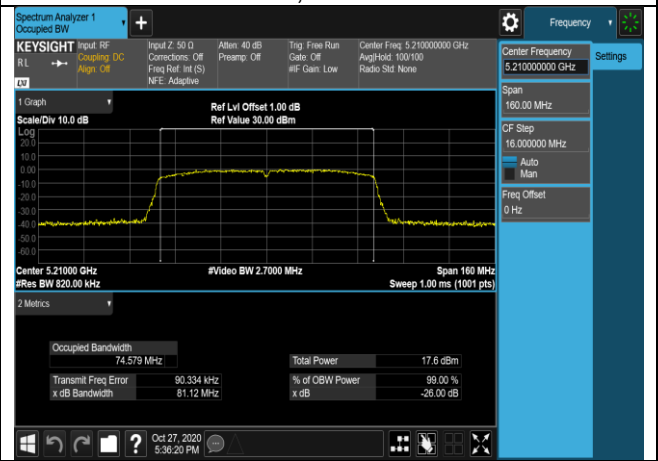
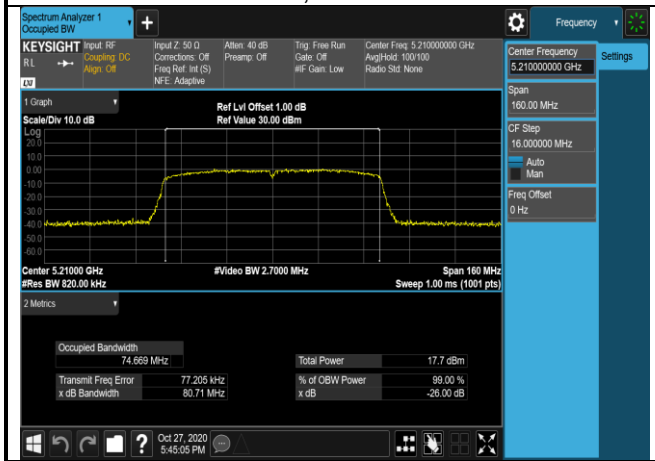
U-NII-1,802.11n(HT40),5230MHz,Ant1



U-NII-1,802.11ac(VHT80),5210MHz,Ant0



U-NII-1,802.11ac(VHT80),5210MHz,Ant1

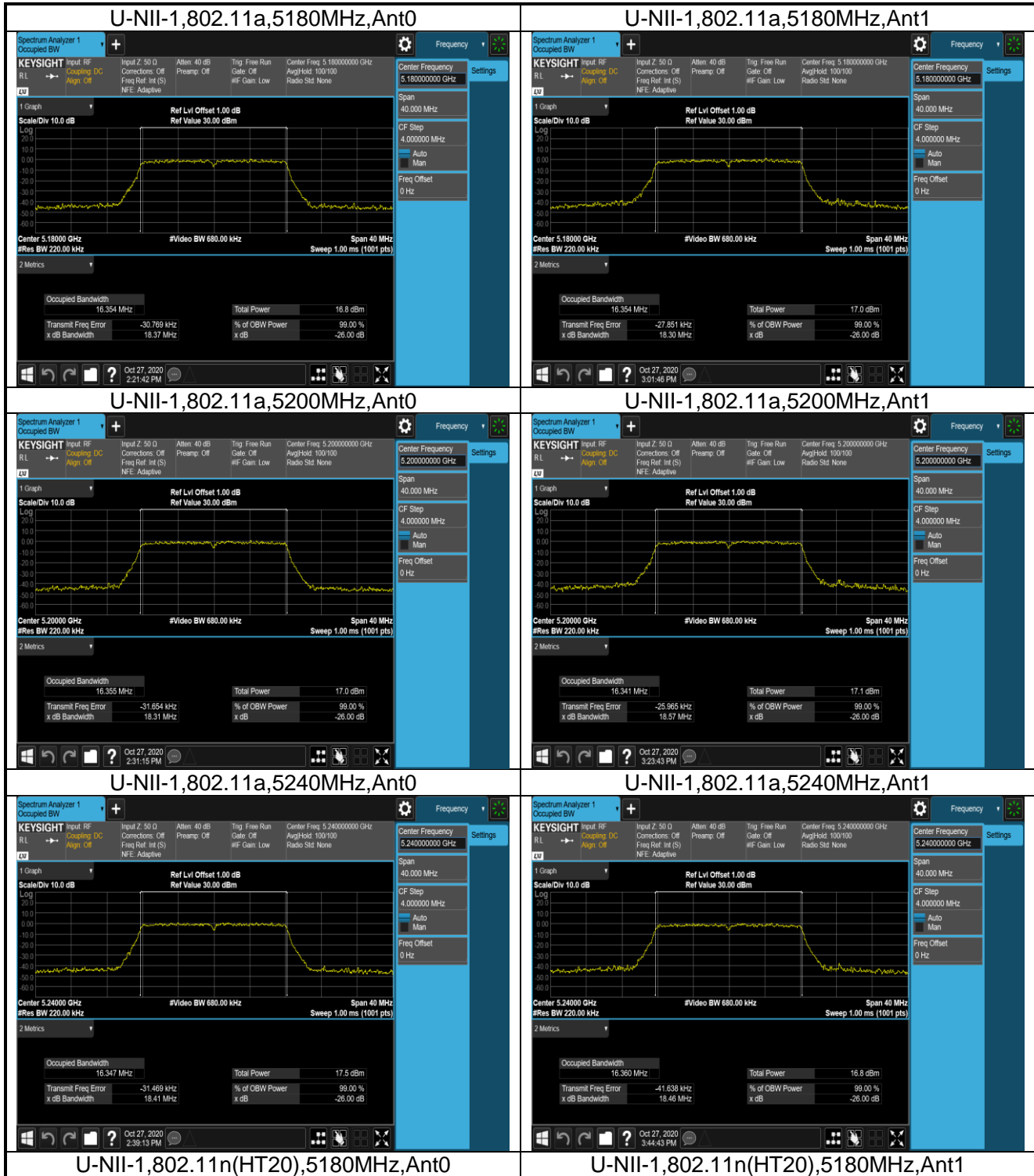


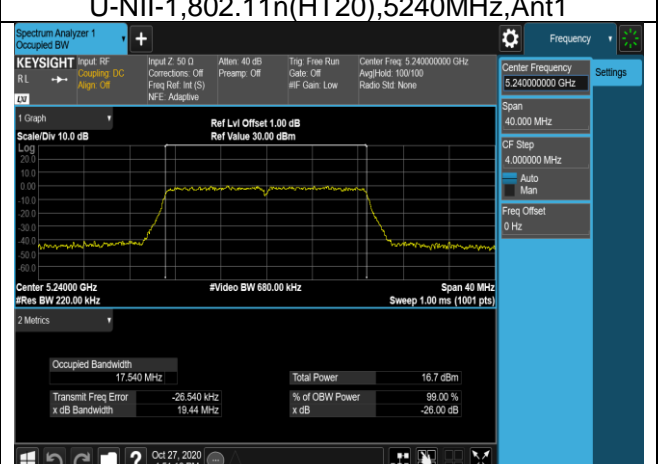
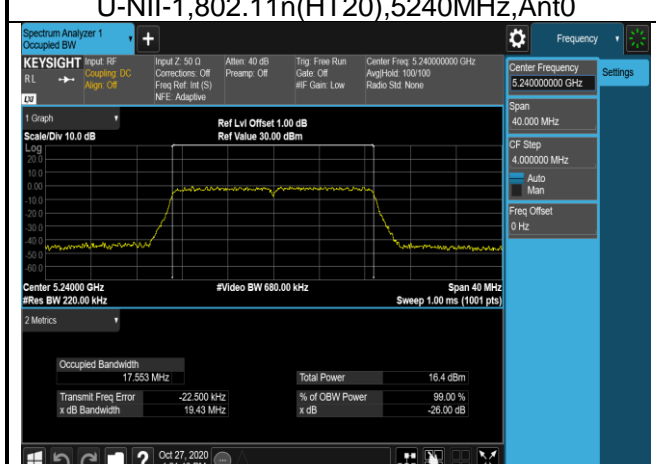
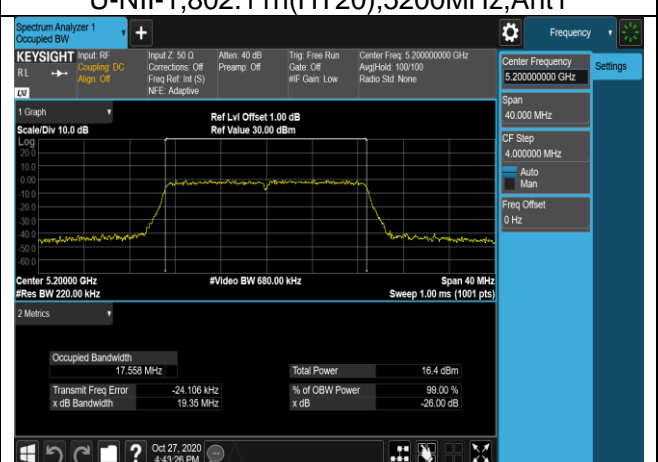
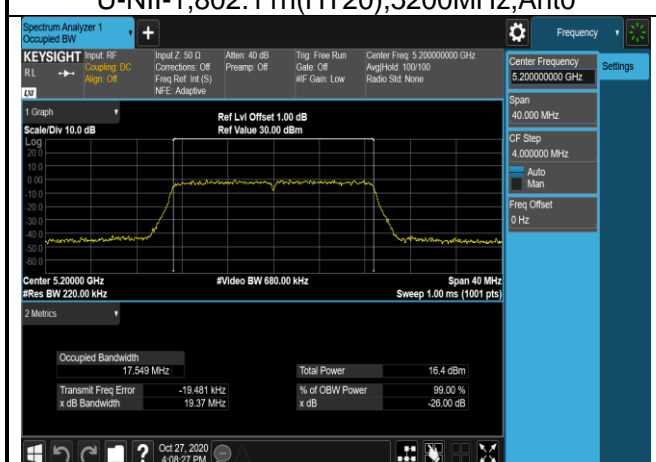
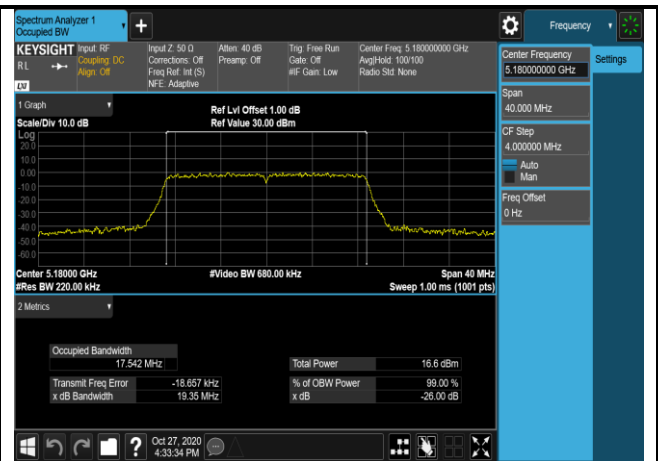
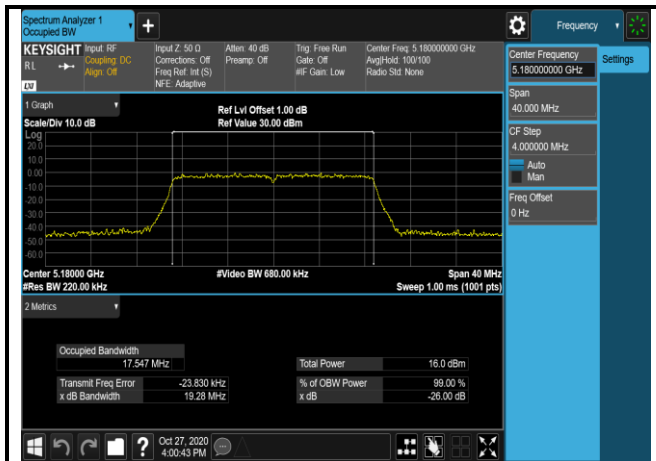
2. 99% Occupied Bandwidth

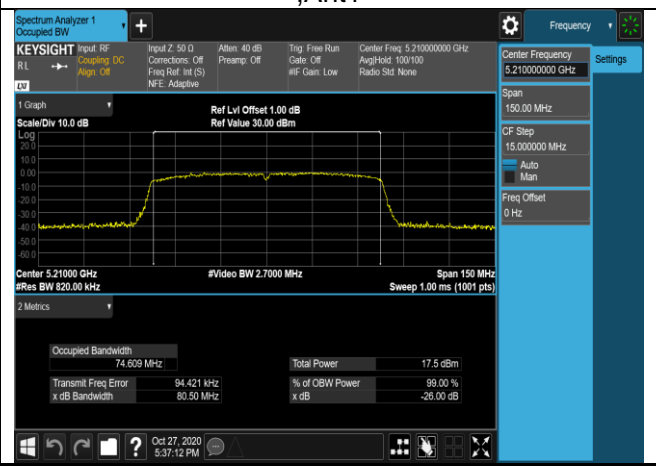
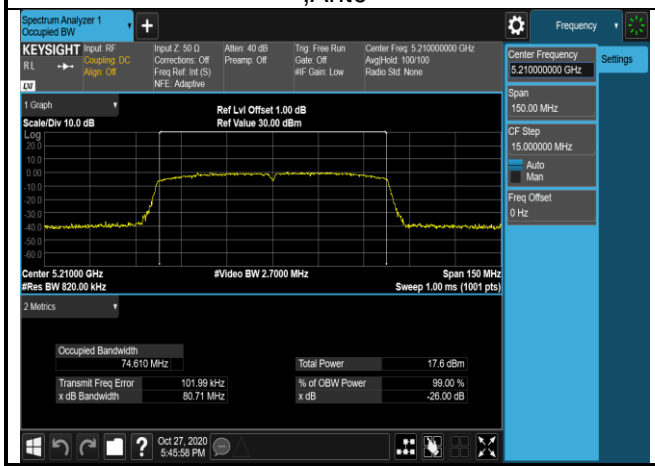
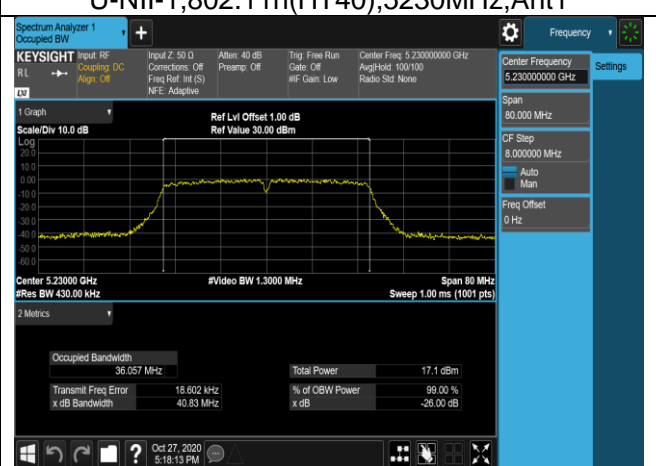
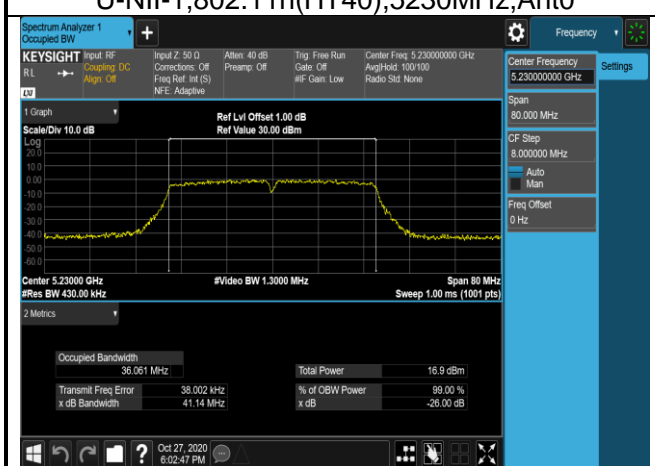
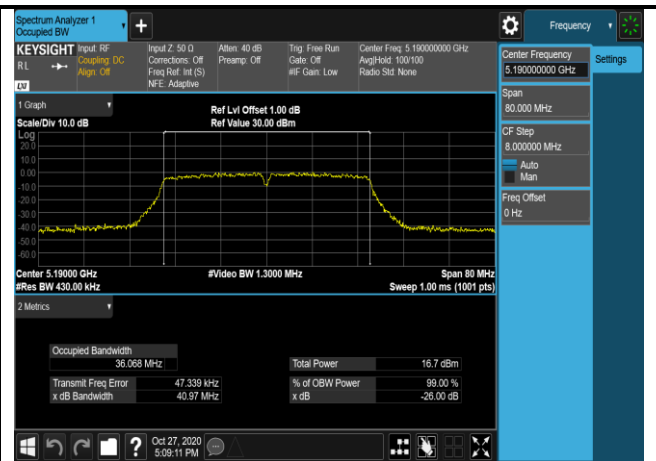
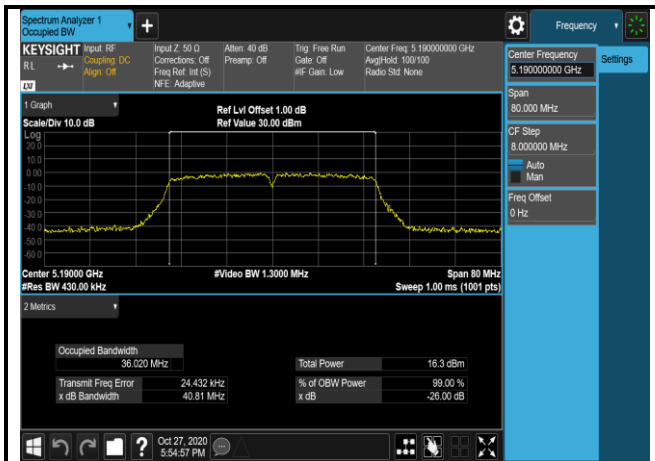
2.1 Test Data

U-NII-1 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	16.354	Pass
802.11a	5180	Ant1	16.354	Pass
802.11a	5200	Ant0	16.355	Pass
802.11a	5200	Ant1	16.341	Pass
802.11a	5240	Ant0	16.347	Pass
802.11a	5240	Ant1	16.360	Pass
802.11n (HT20)	5180	Ant0	17.547	Pass
802.11n (HT20)	5180	Ant1	17.542	Pass
802.11n (HT20)	5200	Ant0	17.549	Pass
802.11n (HT20)	5200	Ant1	17.558	Pass
802.11n (HT20)	5240	Ant0	17.553	Pass
802.11n (HT20)	5240	Ant1	17.540	Pass
802.11n (HT40)	5190	Ant0	36.020	Pass
802.11n (HT40)	5190	Ant1	36.068	Pass
802.11n (HT40)	5230	Ant0	36.061	Pass
802.11n (HT40)	5230	Ant1	36.057	Pass
802.11ac (VHT80)	5210	Ant0	74.610	Pass
802.11ac (VHT80)	5210	Ant1	74.609	Pass

2.2 Test Plots





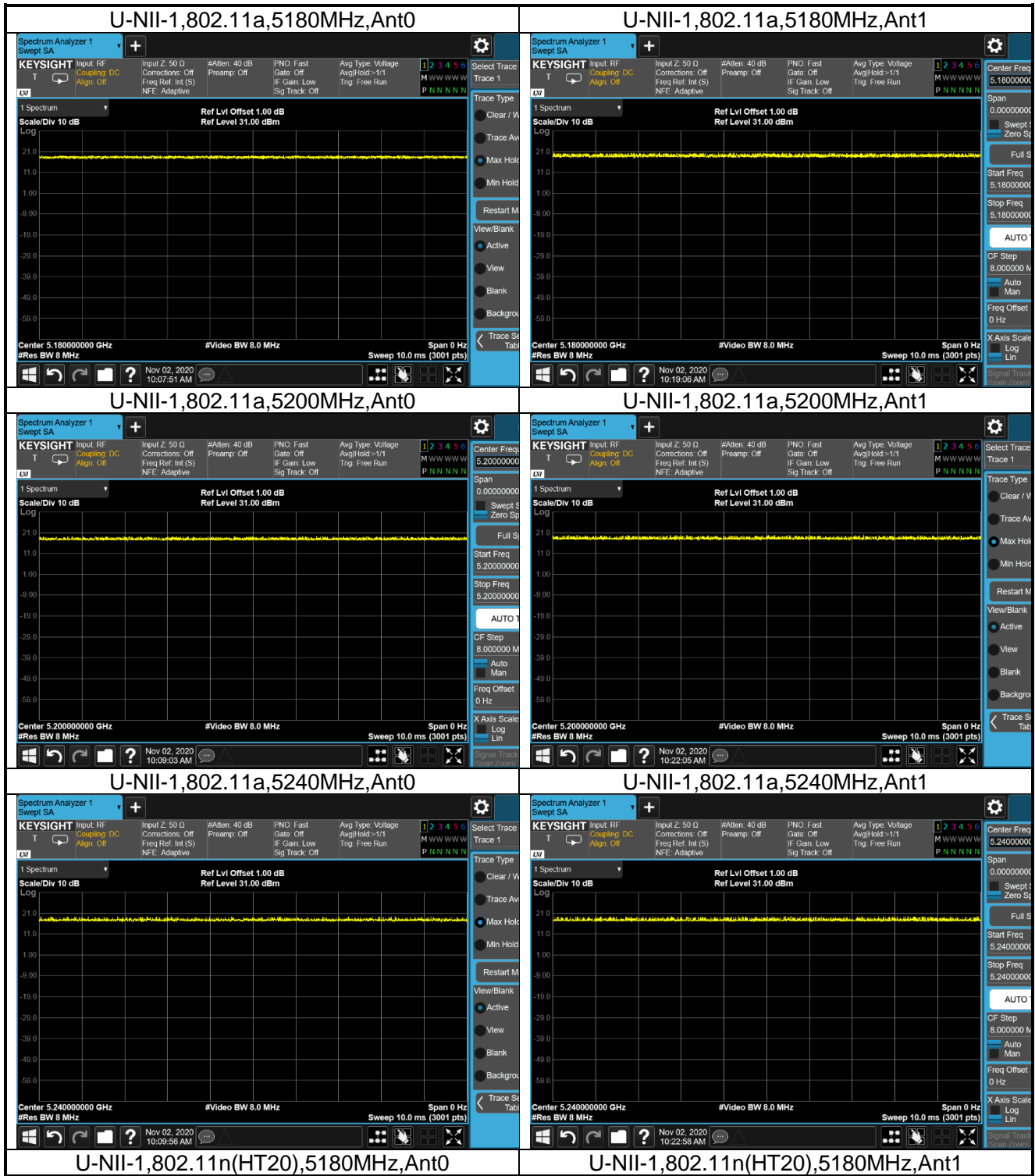


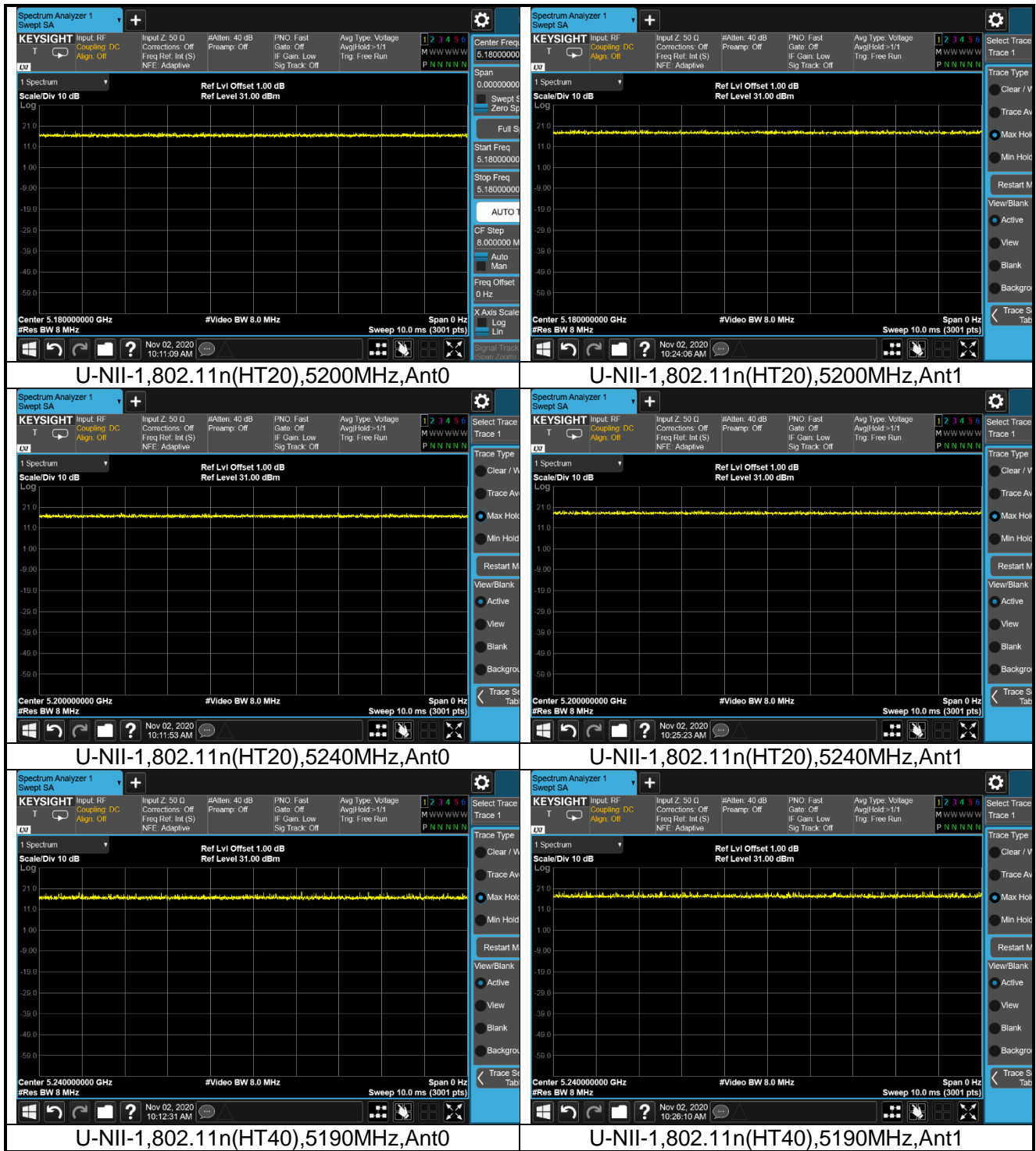
3. Duty Cycle

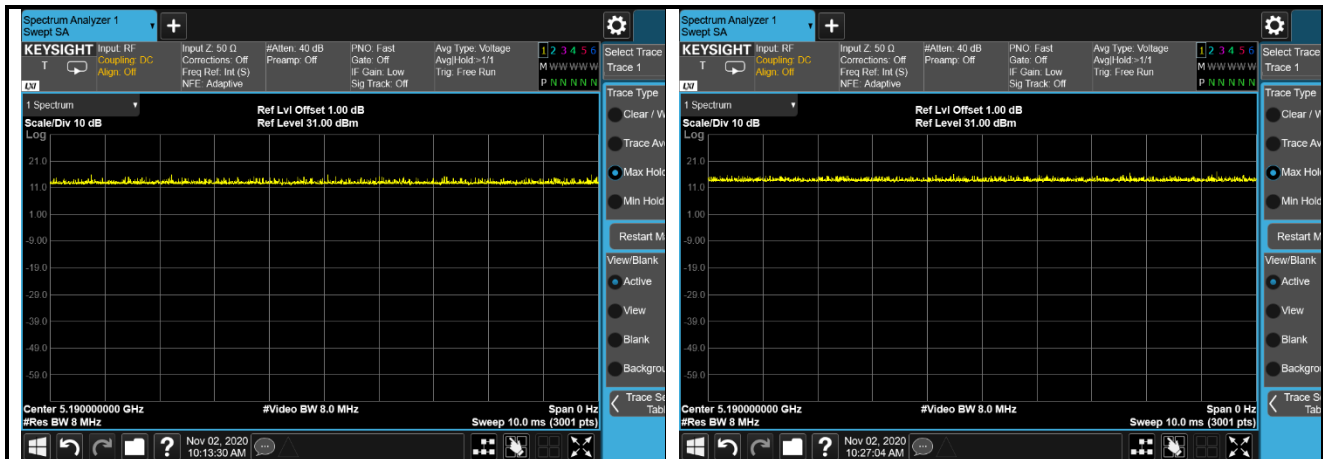
3.1 Test Data

U-NII-1 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5180	Ant0	100	0.00
802.11a	5180	Ant1	100	0.00
802.11a	5200	Ant0	100	0.00
802.11a	5200	Ant1	100	0.00
802.11a	5240	Ant0	100	0.00
802.11a	5240	Ant1	100	0.00
802.11n (HT20)	5180	Ant0	100	0.00
802.11n (HT20)	5180	Ant1	100	0.00
802.11n (HT20)	5200	Ant0	100	0.00
802.11n (HT20)	5200	Ant1	100	0.00
802.11n (HT20)	5240	Ant0	100	0.00
802.11n (HT20)	5240	Ant1	100	0.00
802.11n (HT40)	5190	Ant0	100	0.00
802.11n (HT40)	5190	Ant1	100	0.00
802.11n (HT40)	5230	Ant0	100	0.00
802.11n (HT40)	5230	Ant1	100	0.00
802.11ac (VHT80)	5210	Ant0	100	0.00
802.11ac (VHT80)	5210	Ant1	100	0.00

3.2 Test Plots

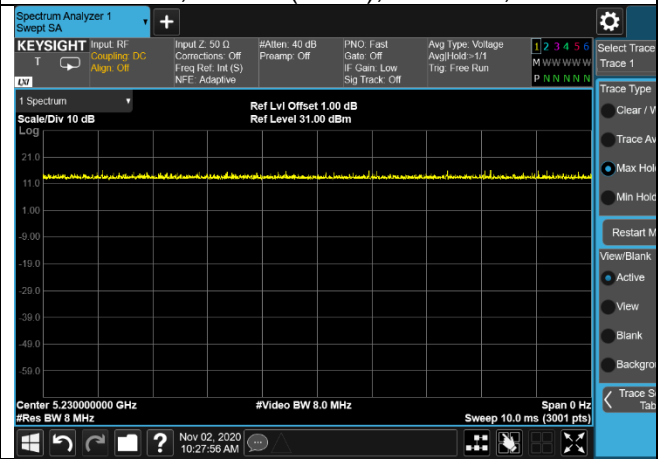
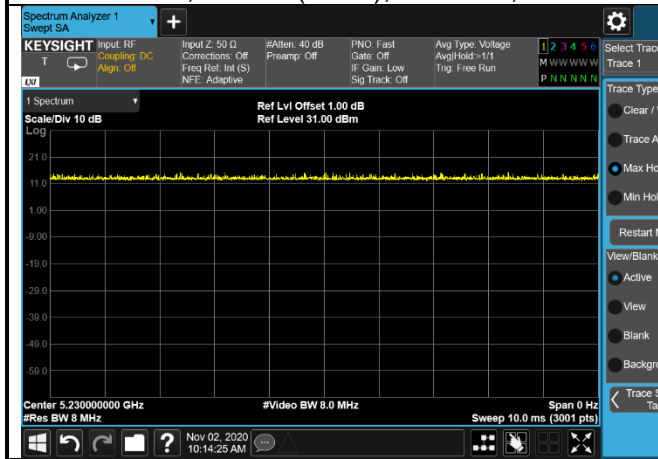






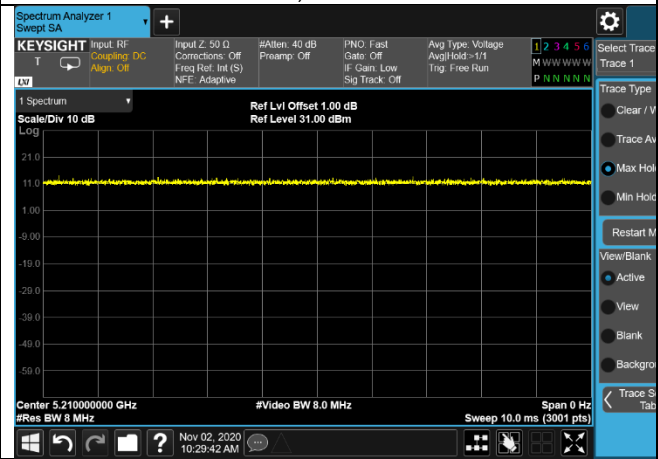
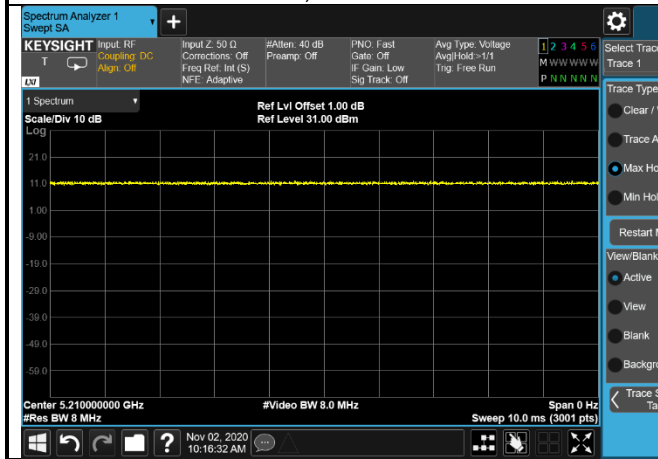
U-NII-1,802.11n(HT40),5230MHz,Ant0

U-NII-1,802.11n(HT40),5230MHz,Ant1



U-NII-1,802.11ac(VHT80),5210MHz
,Ant0

U-NII-1,802.11ac(VHT80),5210MHz
,Ant1

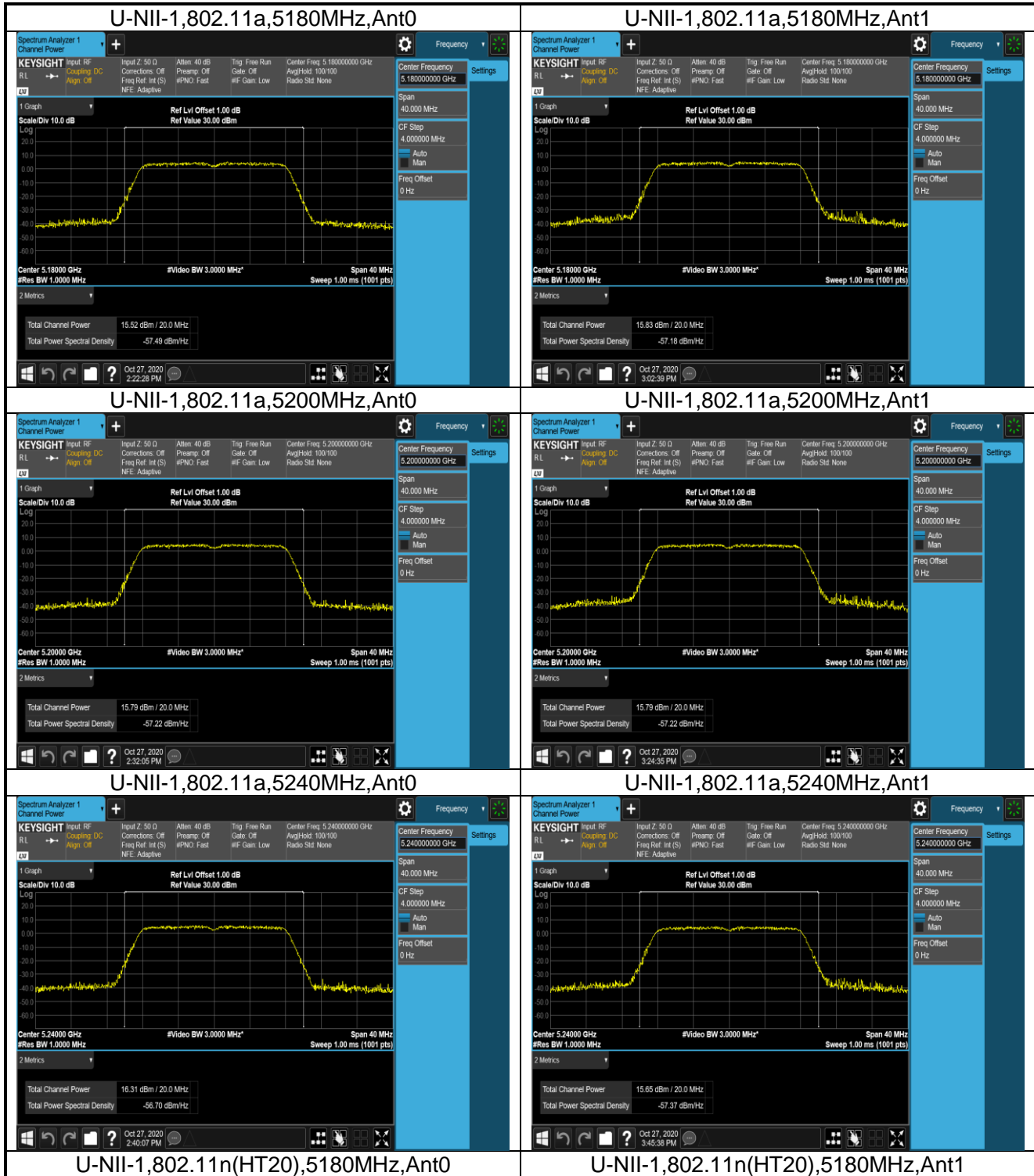


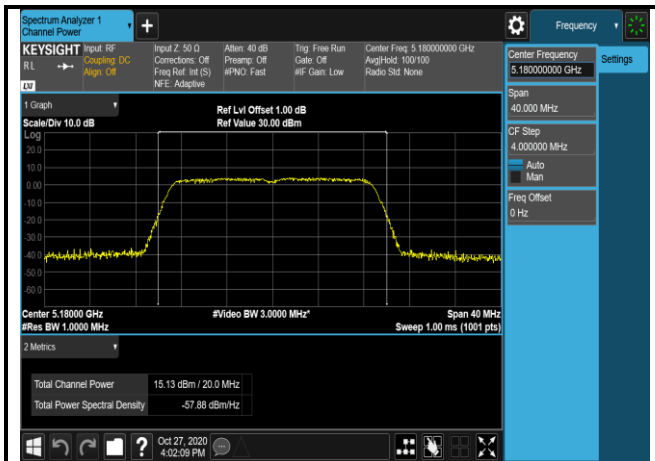
4. AVGSA Output Power

4.1 Test Data

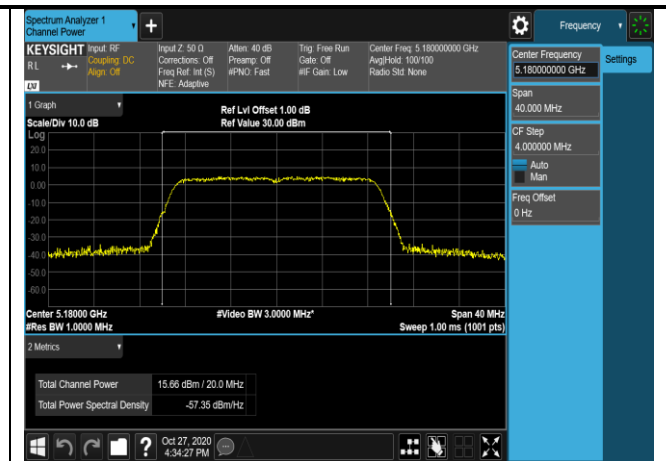
U-NII-1 AVGSA Output Power									
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Total Power (dBm)	FCC Power Limit (dBm)	EIRP (dBm)	IC EIRP Limit (dBm)	Result
802.11a	5180	Ant0	0.00	15.52	15.52	24	17.33	22	Pass
802.11a	5180	Ant1	0.00	15.83	15.83	24	18.90	22	Pass
802.11a	5200	Ant0	0.00	15.79	15.79	24	17.60	22	Pass
802.11a	5200	Ant1	0.00	15.79	15.79	24	18.86	22	Pass
802.11a	5240	Ant0	0.00	16.31	16.31	24	18.12	22	Pass
802.11a	5240	Ant1	0.00	15.65	15.65	24	18.72	22	Pass
802.11n (HT20)	5180	Ant0	0.00	15.13	18.41	24	20.90	22	Pass
802.11n (HT20)	5180	Ant1	0.00	15.66					
802.11n (HT20)	5200	Ant0	0.00	15.43	18.45	24	20.94	22	Pass
802.11n (HT20)	5200	Ant1	0.00	15.45					
802.11n (HT20)	5240	Ant0	0.00	15.47	18.67	24	21.16	22	Pass
802.11n (HT20)	5240	Ant1	0.00	15.85					
802.11n (HT40)	5190	Ant0	0.00	14.76	18.04	24	20.52	23	Pass
802.11n (HT40)	5190	Ant1	0.00	15.28					
802.11n (HT40)	5230	Ant0	0.00	15.51	18.55	24	21.03	23	Pass
802.11n (HT40)	5230	Ant1	0.00	15.56					
802.11ac (VHT80)	5210	Ant0	0.00	15.11	18.11	24	20.60	23	Pass
802.11ac (VHT80)	5210	Ant1	0.00	15.09					

4.2 Test Plots

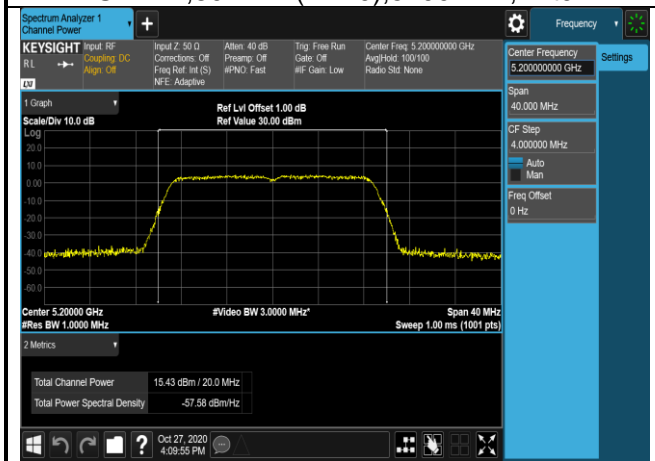




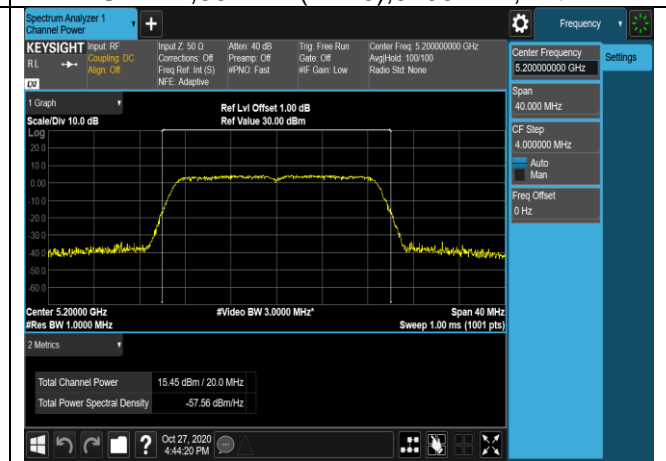
U-NII-1,802.11n(HT20),5200MHz,Ant0



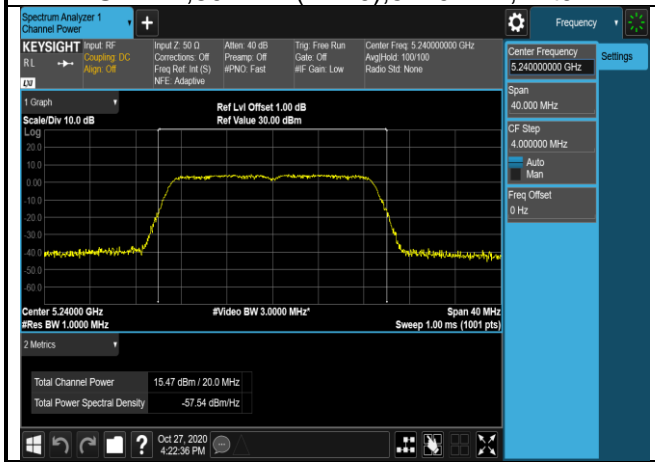
U-NII-1,802.11n(HT20),5200MHz,Ant1



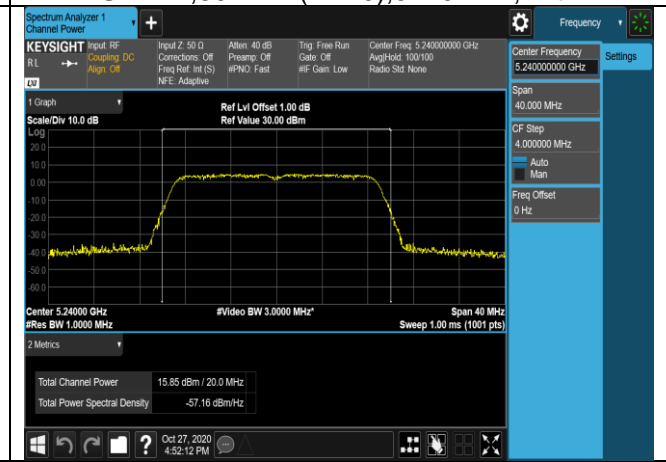
U-NII-1,802.11n(HT20),5240MHz,Ant0



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



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



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