

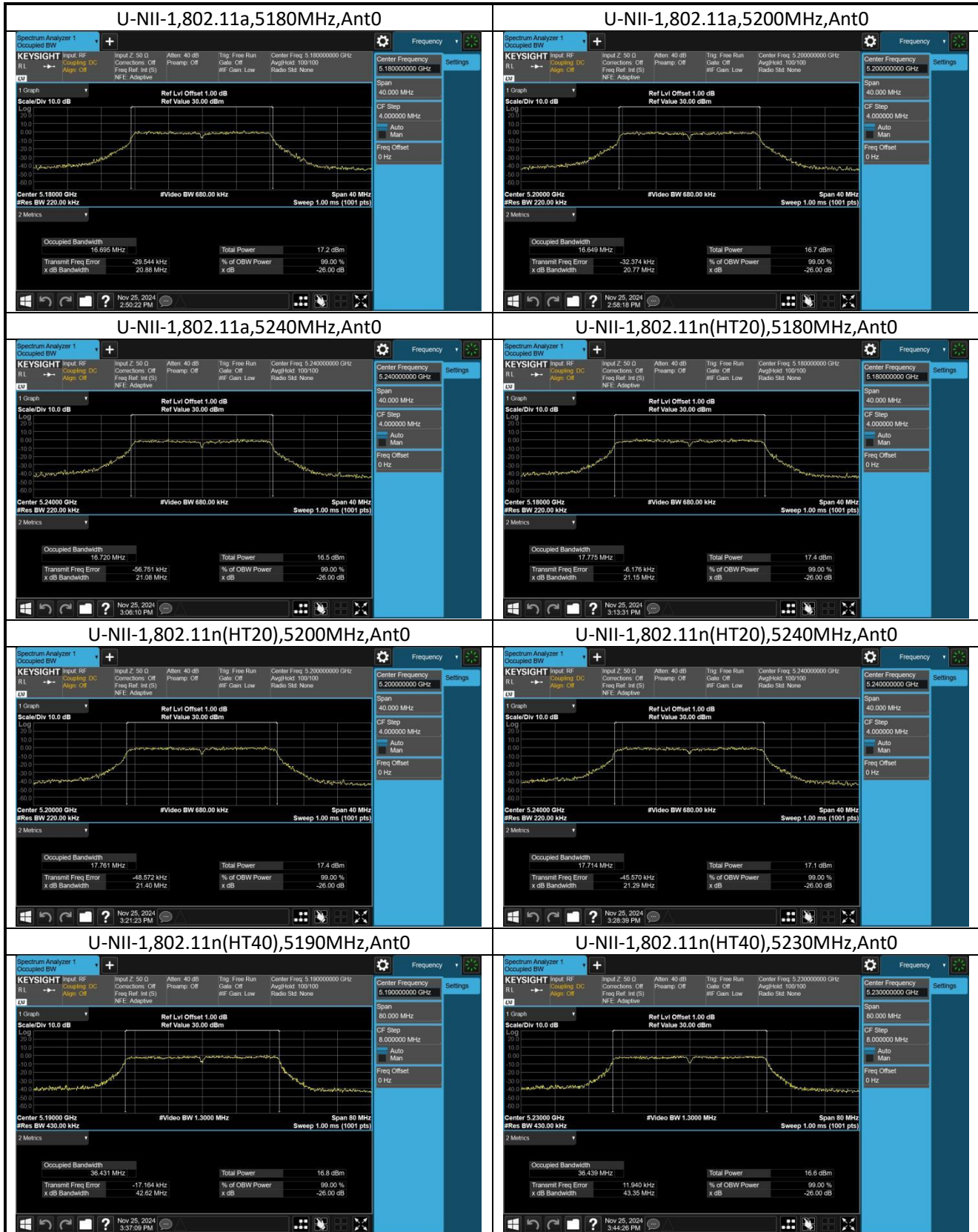
Appendix B: Test results

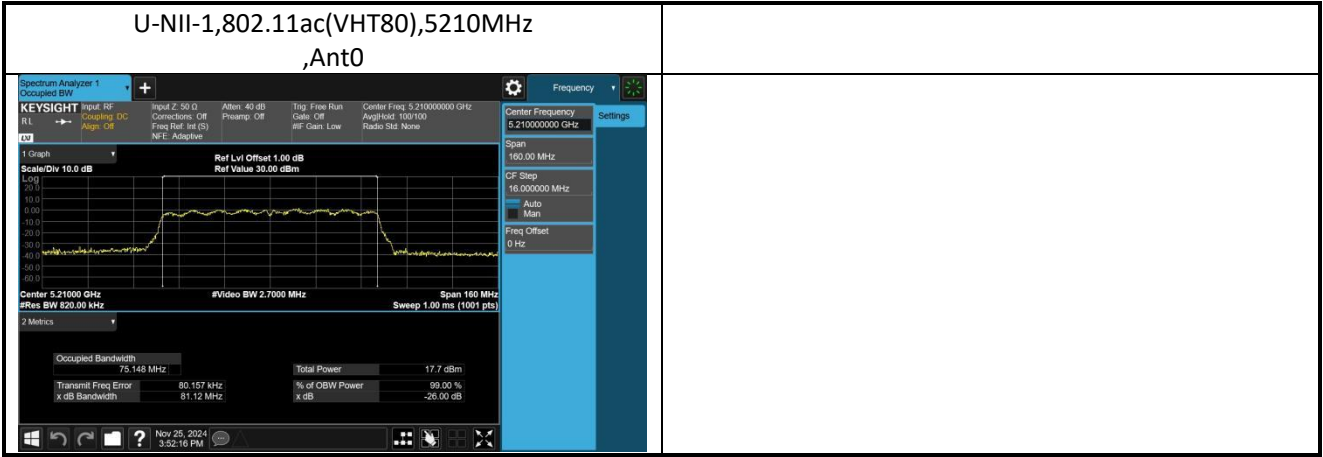
1. Occupied N dB Bandwidth

1.1 Test Data

U-NII-1 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	20.88	Pass
802.11a	5200	Ant0	20.77	Pass
802.11a	5240	Ant0	21.08	Pass
802.11n (HT20)	5180	Ant0	21.15	Pass
802.11n (HT20)	5200	Ant0	21.40	Pass
802.11n (HT20)	5240	Ant0	21.29	Pass
802.11n (HT40)	5190	Ant0	42.62	Pass
802.11n (HT40)	5230	Ant0	43.35	Pass
802.11ac (VHT80)	5210	Ant0	81.12	Pass

1.2 Test Plots



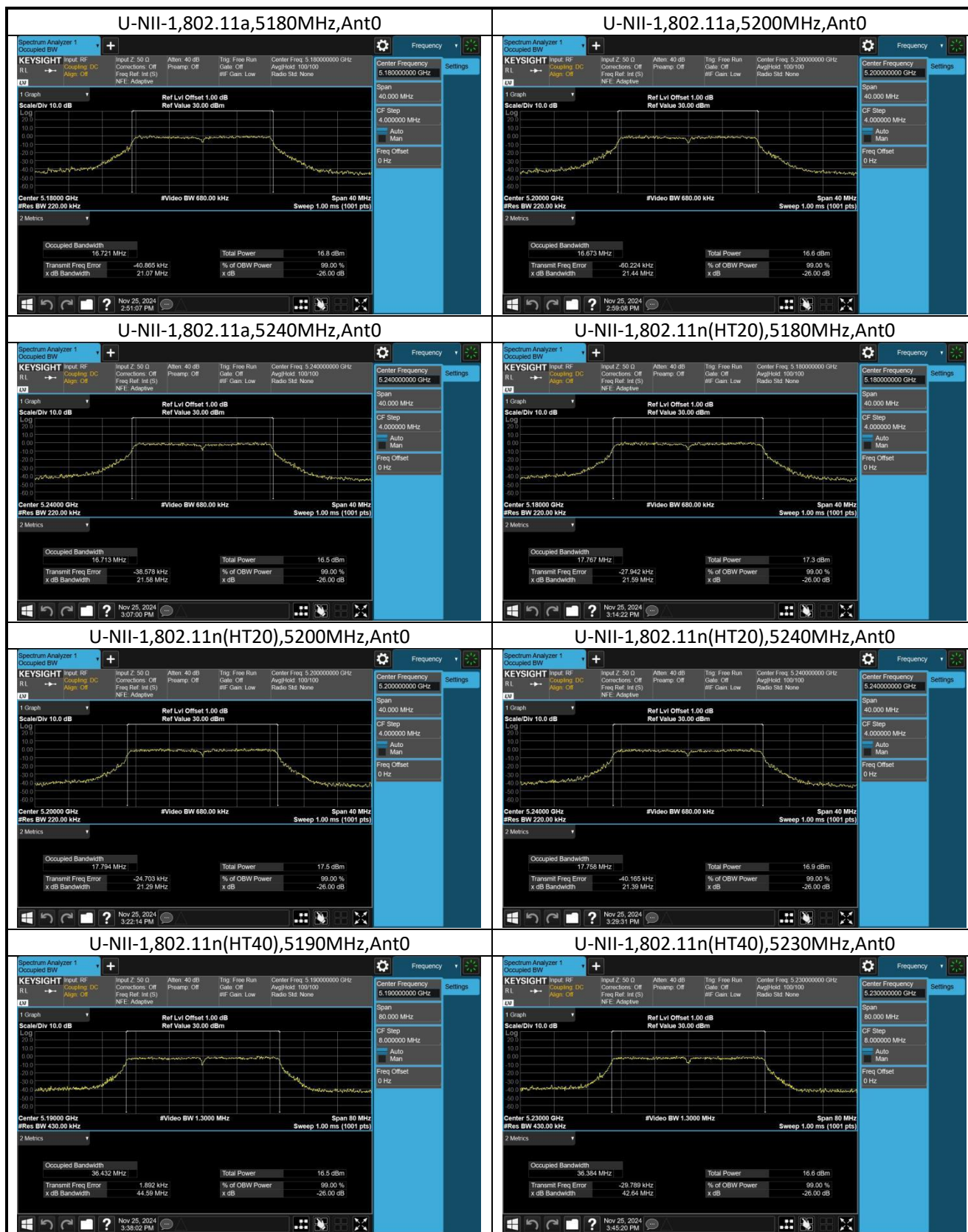


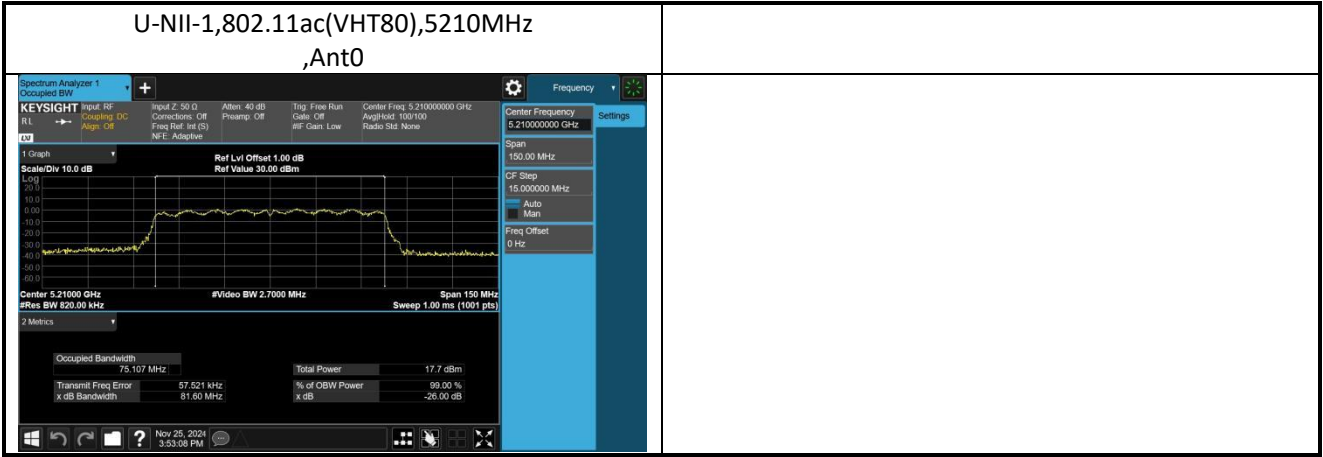
2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-1 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5180	Ant0	16.721	Pass
802.11a	5200	Ant0	16.673	Pass
802.11a	5240	Ant0	16.713	Pass
802.11n (HT20)	5180	Ant0	17.767	Pass
802.11n (HT20)	5200	Ant0	17.794	Pass
802.11n (HT20)	5240	Ant0	17.758	Pass
802.11n (HT40)	5190	Ant0	36.432	Pass
802.11n (HT40)	5230	Ant0	36.384	Pass
802.11ac (VHT80)	5210	Ant0	75.107	Pass

2.2 Test Plots





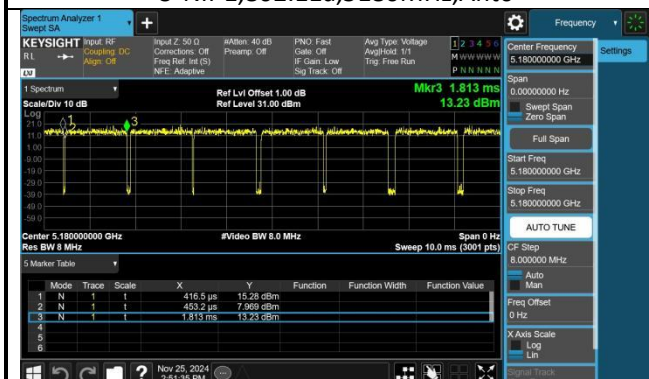
3. Duty Cycle

3.1 Test Data

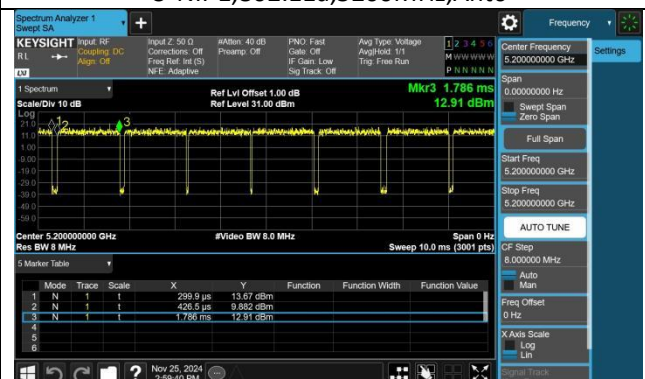
U-NII-1 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5180	Ant0	97.37	0.12
802.11a	5200	Ant0	91.48	0.39
802.11a	5240	Ant0	93.15	0.31
802.11n (HT20)	5180	Ant0	88.02	0.55
802.11n (HT20)	5200	Ant0	96.46	0.16
802.11n (HT20)	5240	Ant0	93.84	0.28
802.11n (HT40)	5190	Ant0	85.20	0.70
802.11n (HT40)	5230	Ant0	86.30	0.64
802.11ac (VHT80)	5210	Ant0	54.78	2.61

3.2 Test Plots

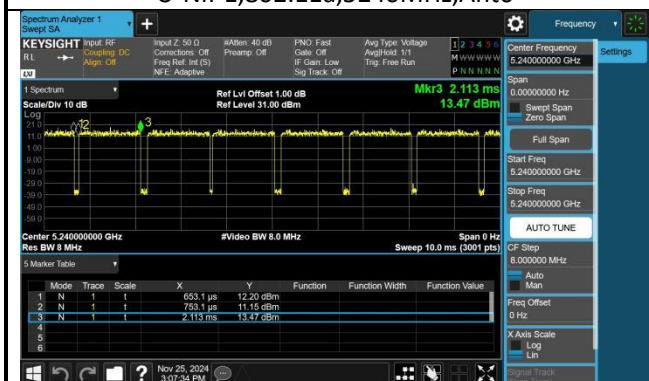
U-NII-1,802.11a,5180MHz,Ant0



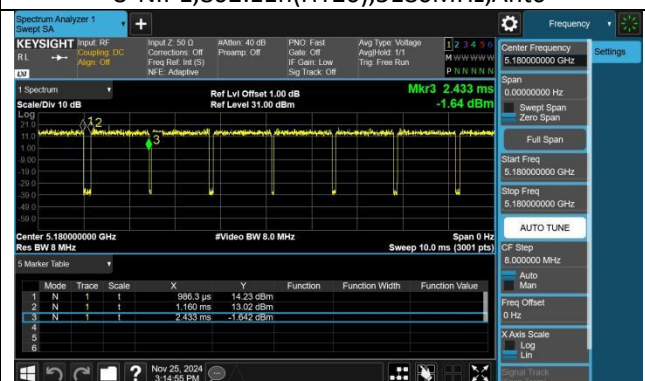
U-NII-1,802.11a,5200MHz,Ant0



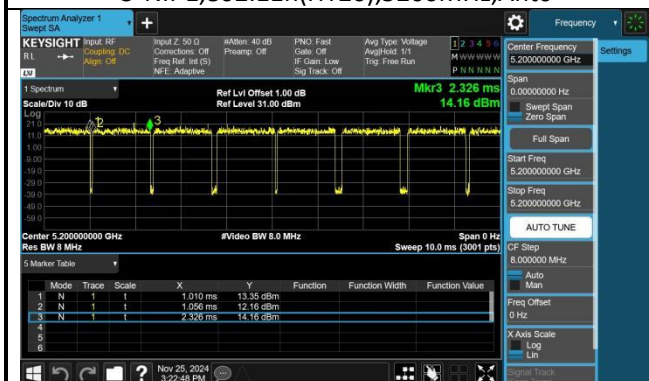
U-NII-1,802.11a,5240MHz,Ant0



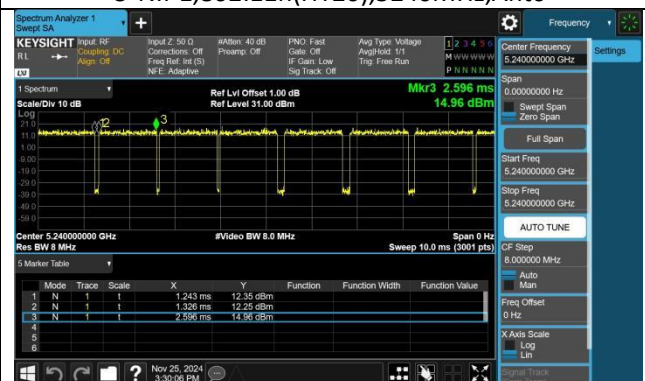
U-NII-1,802.11n(HT20),5180MHz,Ant0



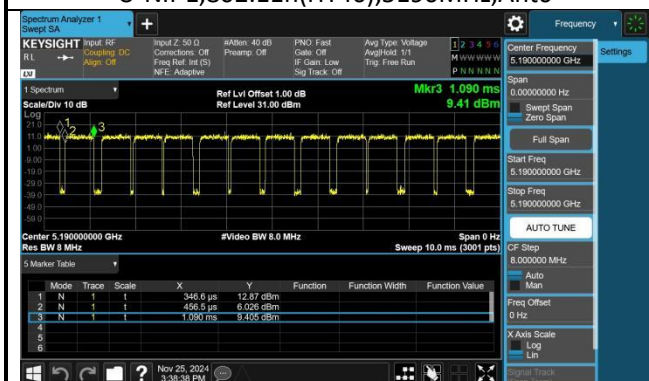
U-NII-1,802.11n(HT20),5200MHz,Ant0



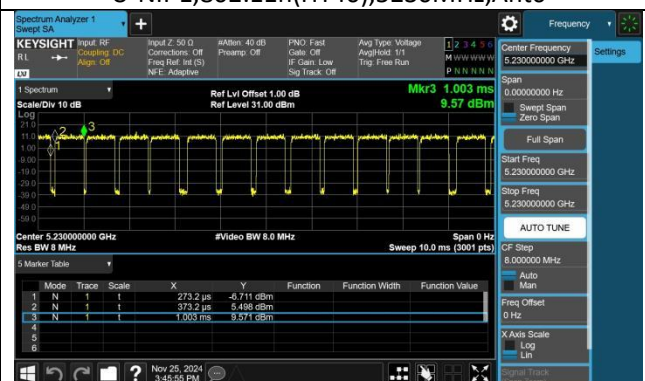
U-NII-1,802.11n(HT20),5240MHz,Ant0

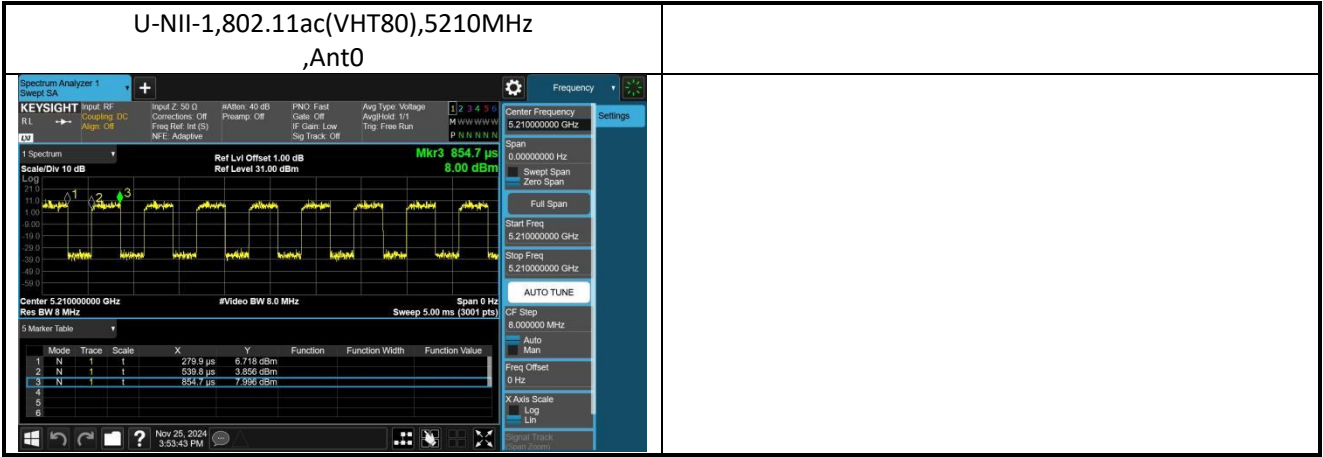


U-NII-1,802.11n(HT40),5190MHz,Ant0



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



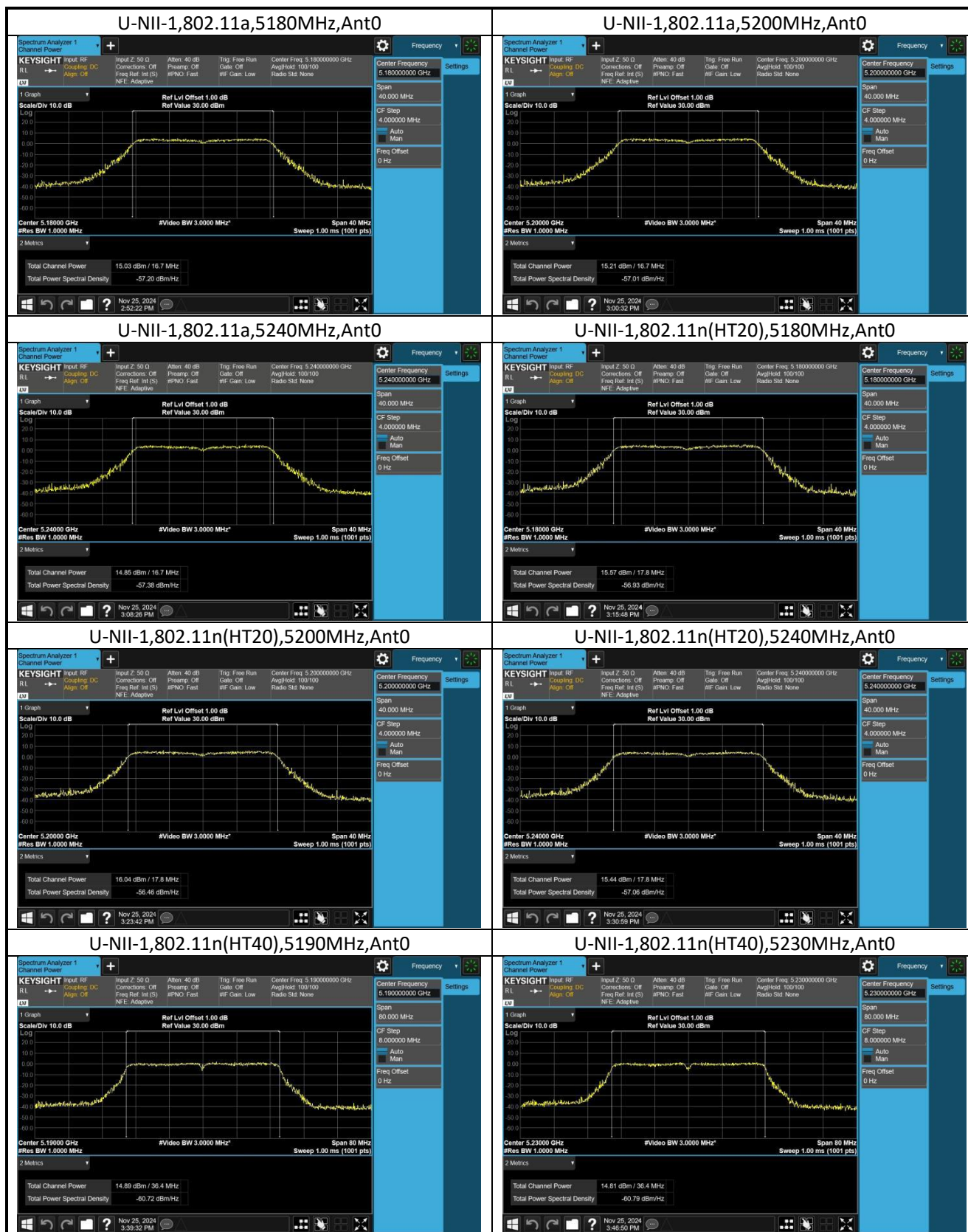


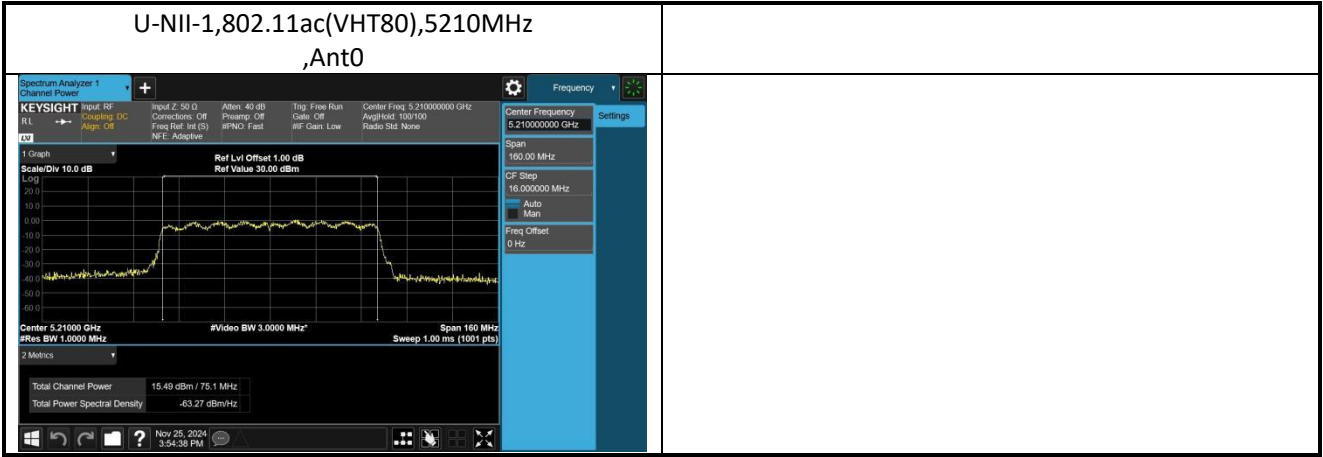
4. AVGSA Output Power

4.1 Test Data

U-NII-1 AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5180	Ant0	0.12	15.15	30	19.15	Pass
802.11a	5200	Ant0	0.39	15.60	30	19.60	Pass
802.11a	5240	Ant0	0.31	15.16	30	19.16	Pass
802.11n (HT20)	5180	Ant0	0.55	16.12	30	20.12	Pass
802.11n (HT20)	5200	Ant0	0.16	16.20	30	20.20	Pass
802.11n (HT20)	5240	Ant0	0.28	15.72	30	19.72	Pass
802.11n (HT40)	5190	Ant0	0.70	15.59	30	19.59	Pass
802.11n (HT40)	5230	Ant0	0.64	15.45	30	19.45	Pass
802.11ac (VHT80)	5210	Ant0	2.61	18.10	30	22.10	Pass

4.2 Test Plots





5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-1 AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5180	Ant0	0.12	-0.660	1000	17	Pass
802.11a	5200	Ant0	0.39	0.084	1000	17	Pass
802.11a	5240	Ant0	0.31	-0.619	1000	17	Pass
802.11n (HT20)	5180	Ant0	0.55	0.157	1000	17	Pass
802.11n (HT20)	5200	Ant0	0.16	-0.200	1000	17	Pass
802.11n (HT20)	5240	Ant0	0.28	-0.221	1000	17	Pass
802.11n (HT40)	5190	Ant0	0.70	-3.390	1000	17	Pass
802.11n (HT40)	5230	Ant0	0.64	-4.005	1000	17	Pass
802.11ac (VHT80)	5210	Ant0	2.61	-4.540	1000	17	Pass

5.2 Test Plots

