

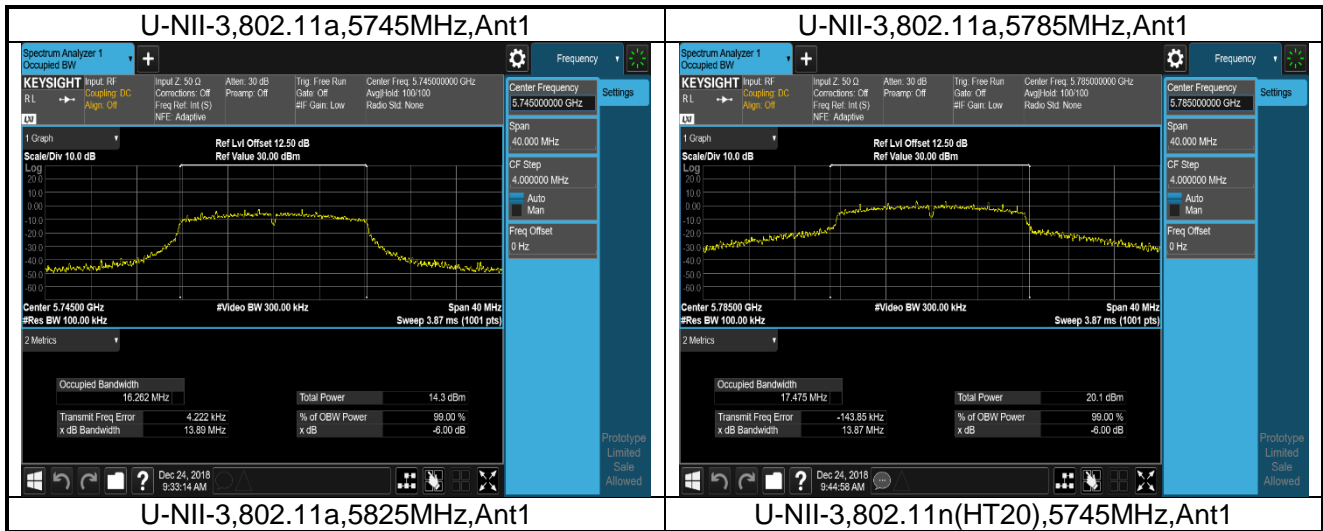
## Appendix A4: Test results

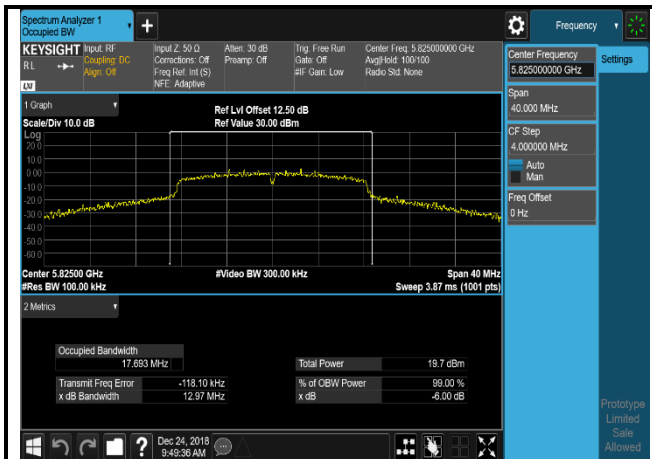
### 1. Occupied N dB Bandwidth

#### 1.1 Test Data

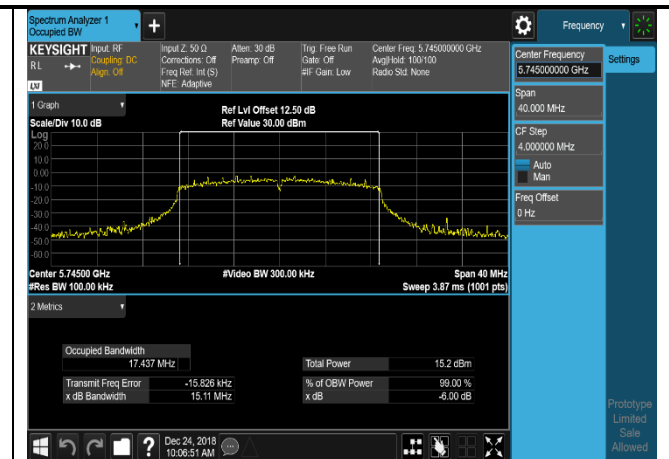
U-NII-3 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant1	13.89	Pass
802.11a	5785	Ant1	13.87	Pass
802.11a	5825	Ant1	12.97	Pass
802.11n (HT20)	5745	Ant1	15.11	Pass
802.11n (HT20)	5785	Ant1	15.10	Pass
802.11n (HT20)	5825	Ant1	14.17	Pass
802.11n (HT40)	5755	Ant1	31.36	Pass
802.11n (HT40)	5795	Ant1	31.42	Pass

#### 1.2 Test Plots

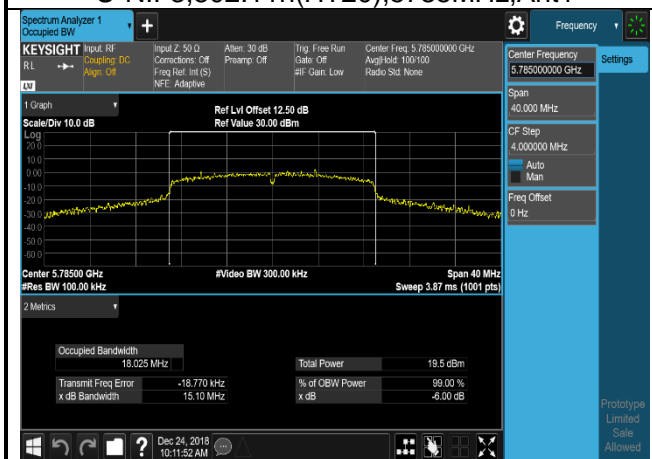




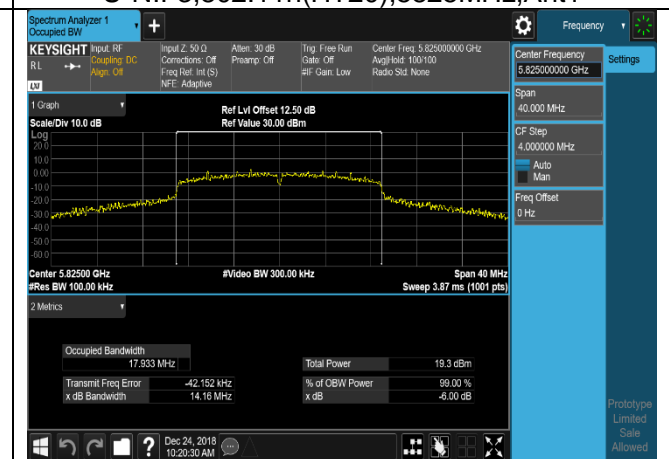
U-NII-3,802.11n(HT20),5785MHz,Ant1



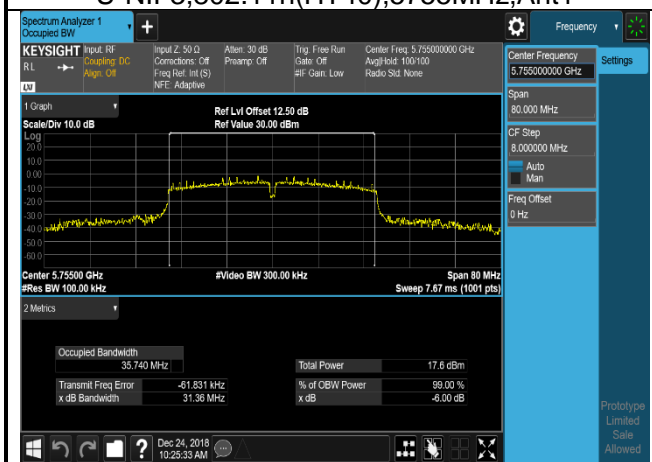
U-NII-3,802.11n(HT20),5825MHz,Ant1



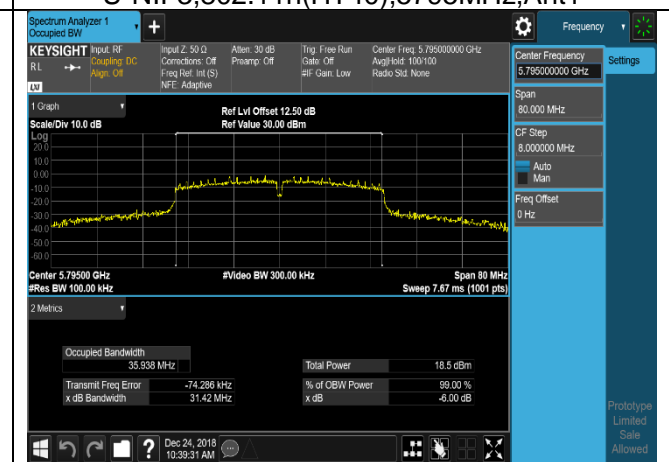
U-NII-3,802.11n(HT40),5755MHz,Ant1



U-NII-3,802.11n(HT40),5795MHz,Ant1



U-NII-3,802.11n(HT40),5755MHz,Ant1



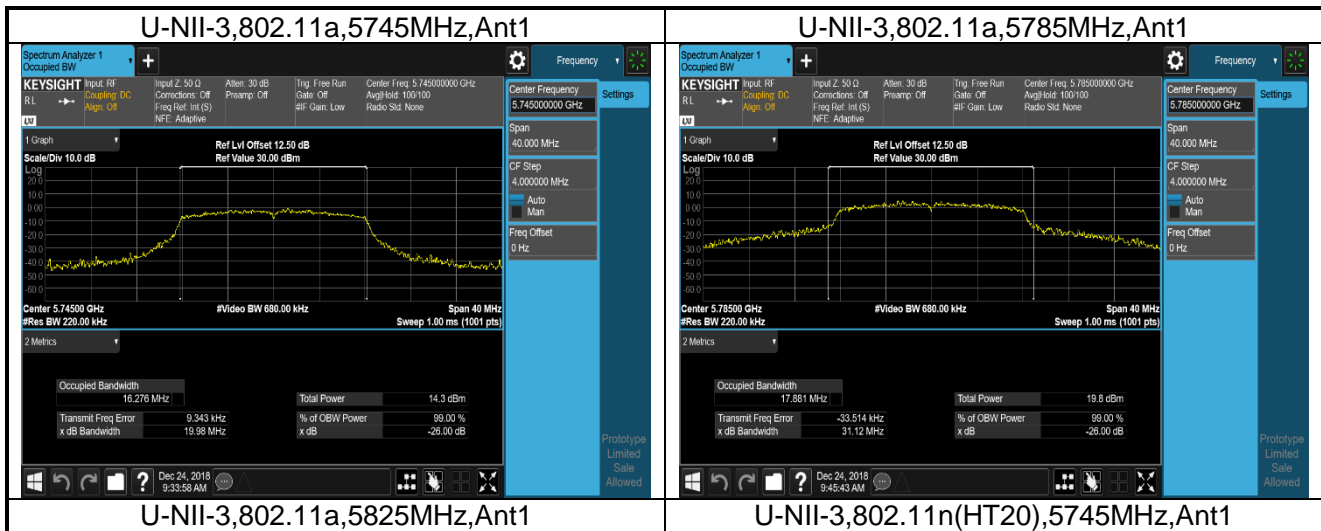
U-NII-3,802.11n(HT40),5795MHz,Ant1

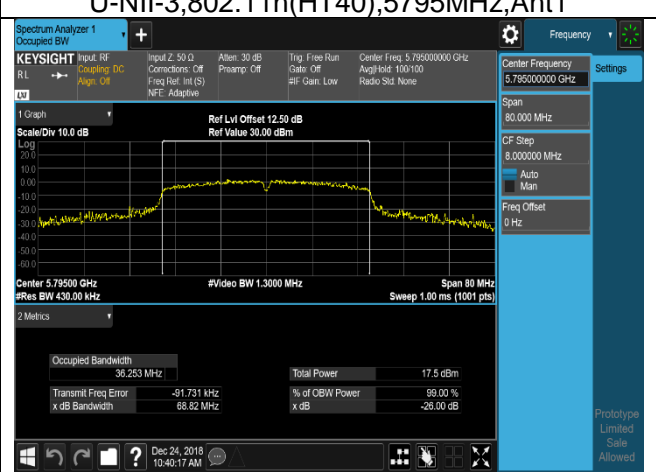
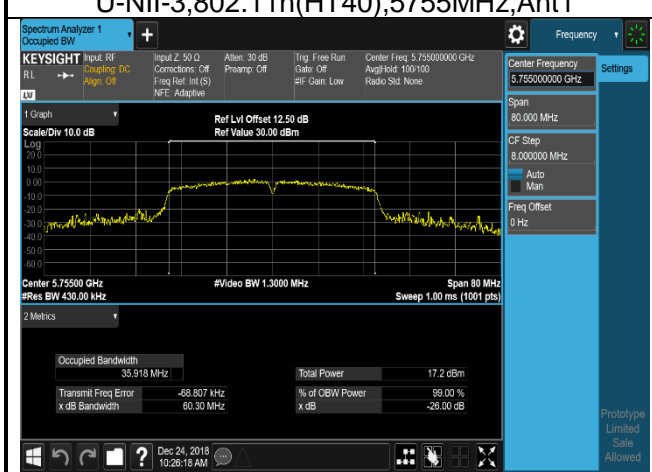
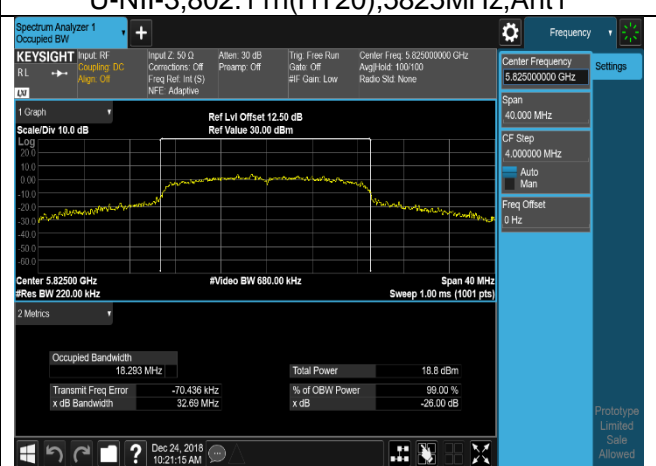
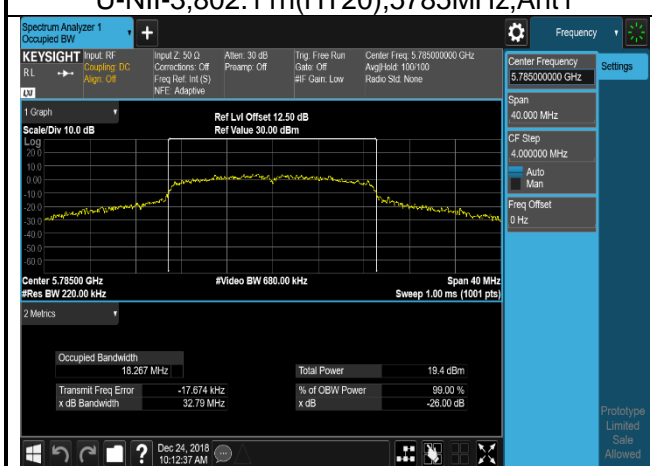
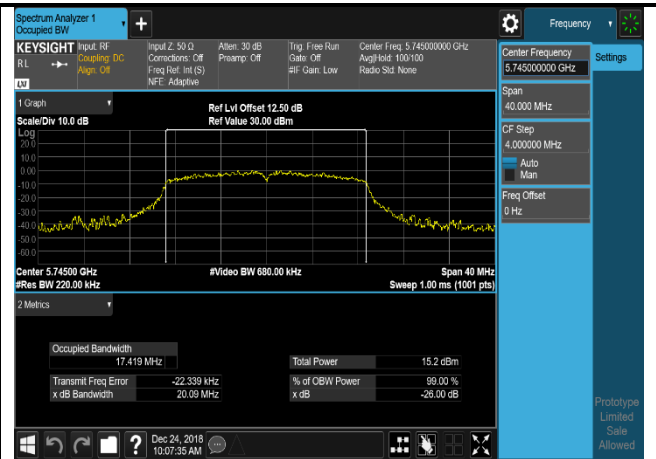
2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-3 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant1	16.276	Pass
802.11a	5785	Ant1	17.881	Pass
802.11a	5825	Ant1	17.990	Pass
802.11n (HT20)	5745	Ant1	17.419	Pass
802.11n (HT20)	5785	Ant1	18.267	Pass
802.11n (HT20)	5825	Ant1	18.293	Pass
802.11n (HT40)	5755	Ant1	35.918	Pass
802.11n (HT40)	5795	Ant1	36.253	Pass

2.2 Test Plots



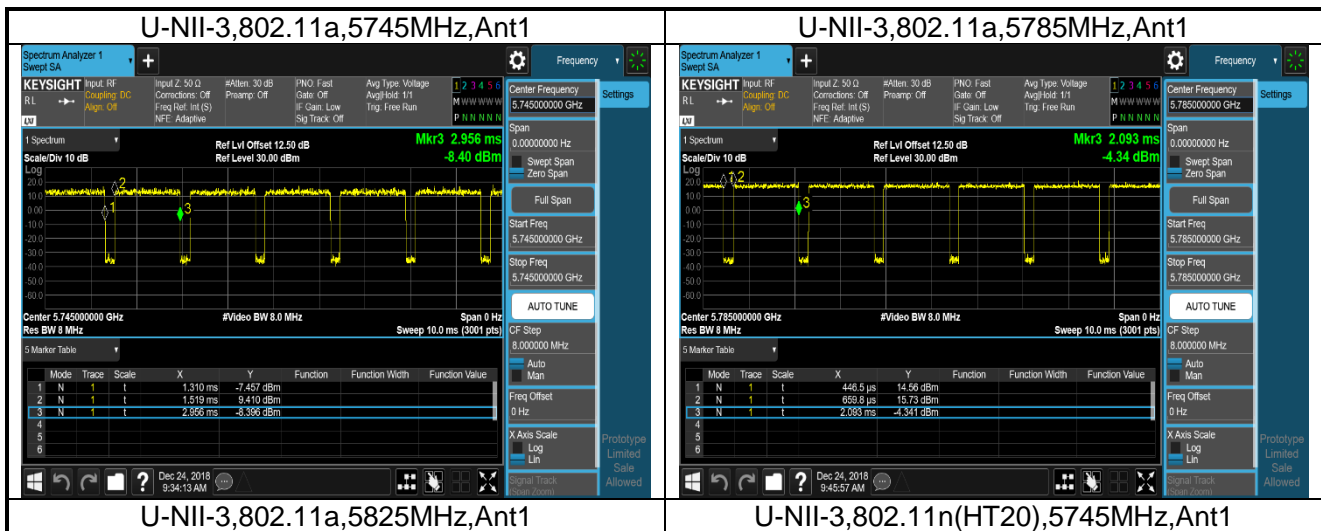


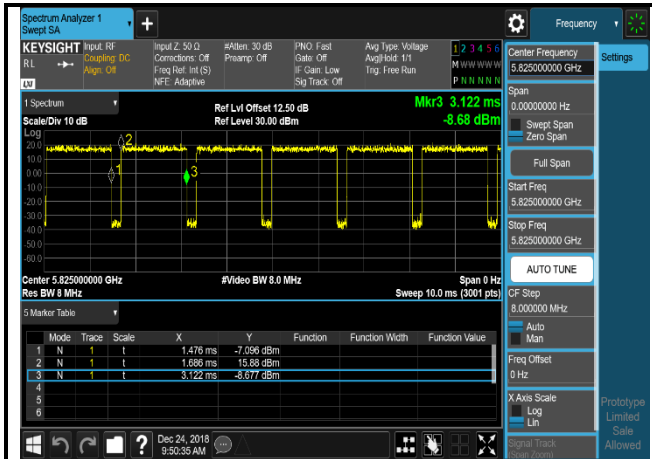
### 3. Duty Cycle

#### 3.1 Test Data

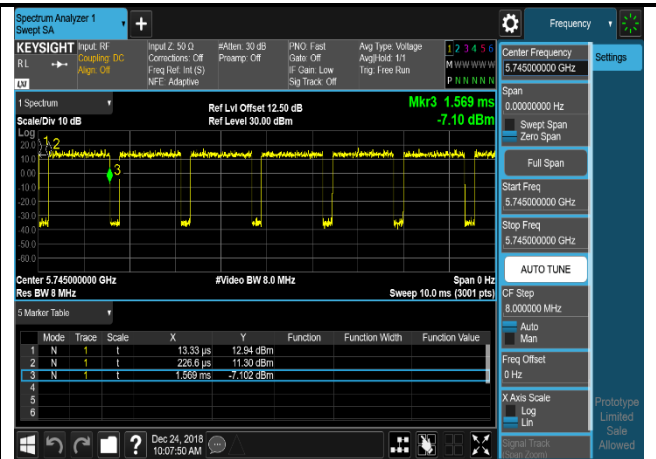
U-NII-3 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5745	Ant1	87.25	0.59
802.11a	5785	Ant1	87.04	0.60
802.11a	5825	Ant1	87.25	0.59
802.11n (HT20)	5745	Ant1	86.30	0.64
802.11n (HT20)	5785	Ant1	86.30	0.64
802.11n (HT20)	5825	Ant1	86.48	0.63
802.11n (HT40)	5755	Ant1	75.76	1.21
802.11n (HT40)	5795	Ant1	75.76	1.21

#### 3.2 Test Plots

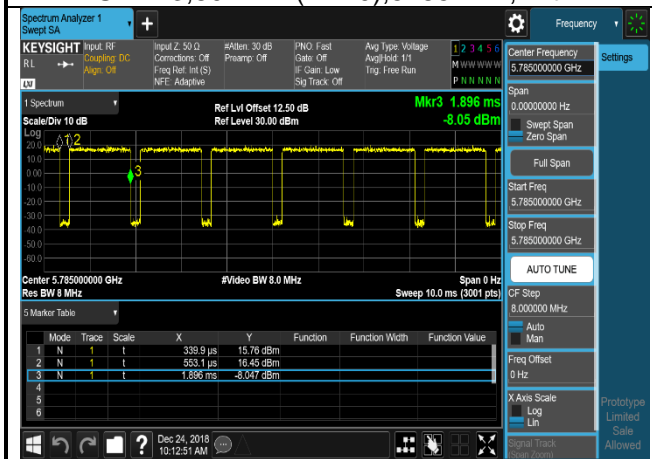




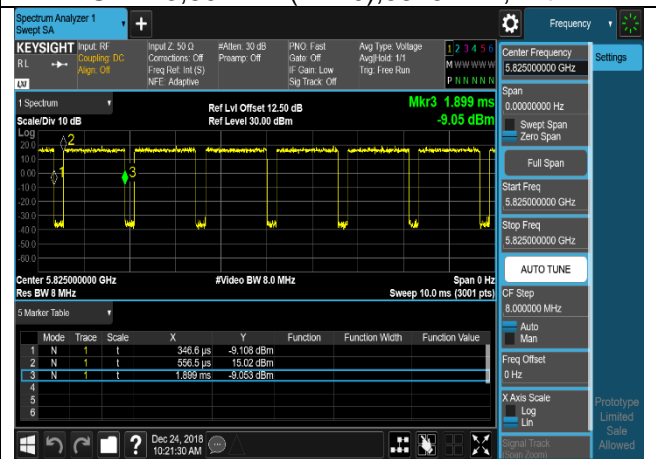
U-NII-3,802.11n(HT20),5785MHz,Ant1



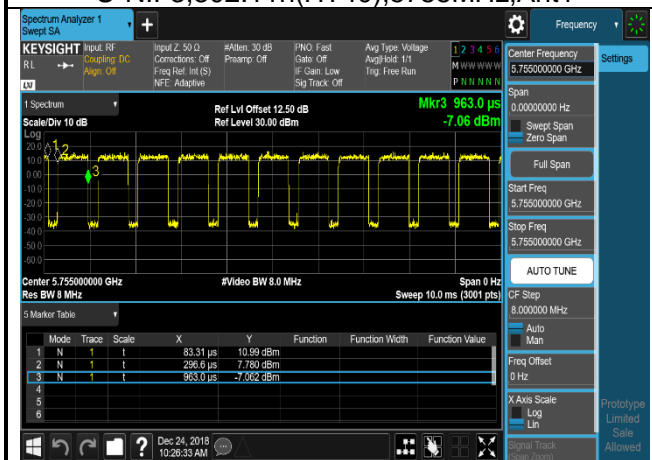
U-NII-3,802.11n(HT20),5825MHz,Ant1



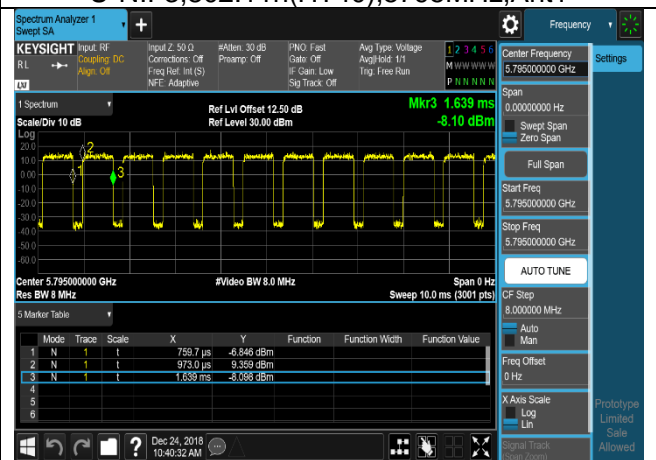
U-NII-3,802.11n(HT40),5755MHz,Ant1



U-NII-3,802.11n(HT40),5795MHz,Ant1



U-NII-3,802.11n(HT40),5755MHz,Ant1



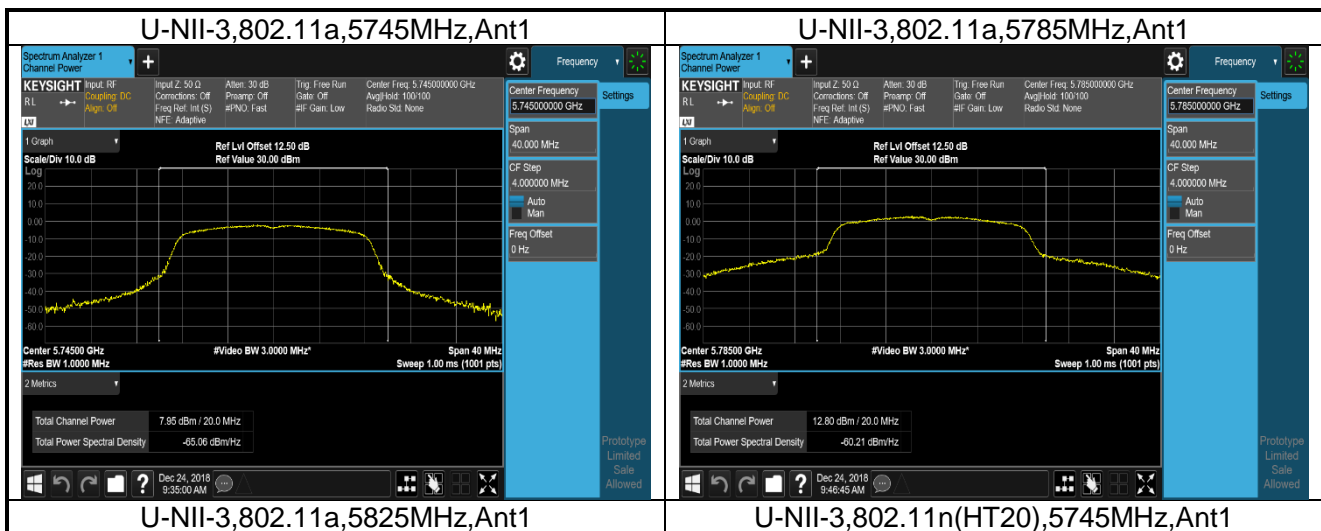
U-NII-3,802.11n(HT40),5795MHz,Ant1

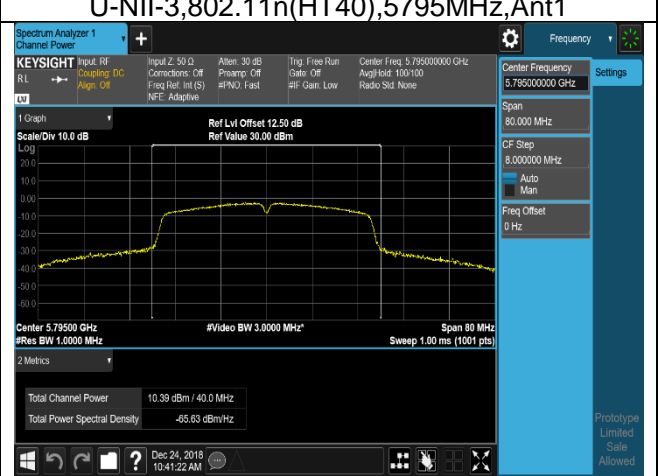
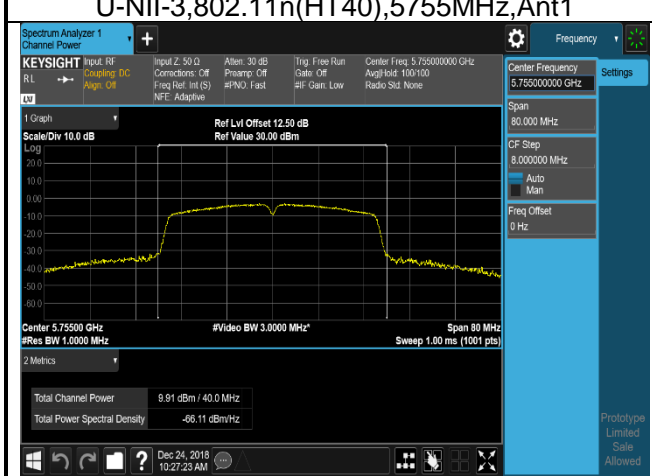
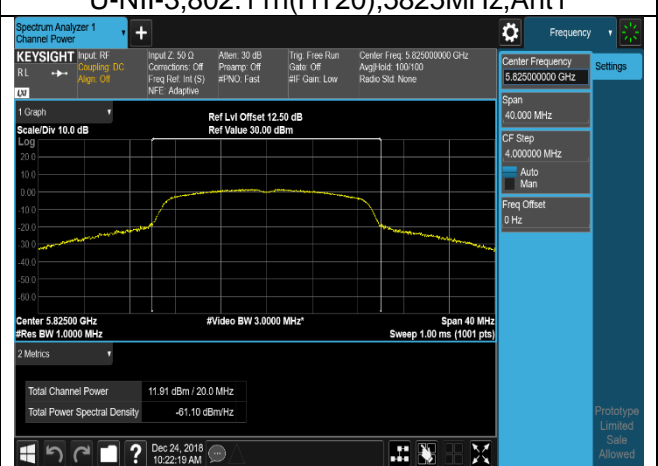
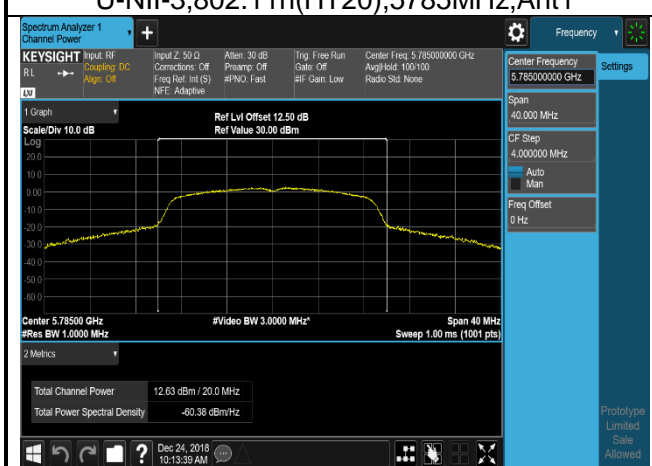
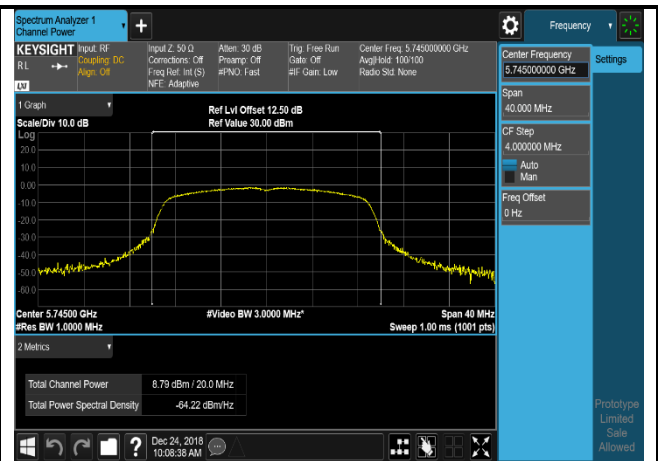
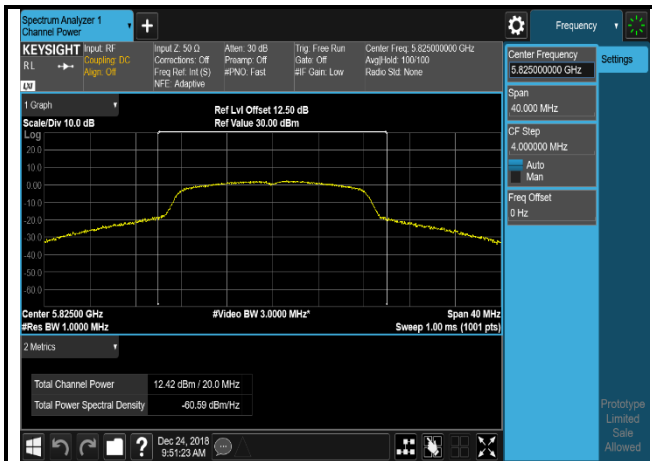
4. AVGSA Output Power

4.1 Test Data

U-NII-3 AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5745	Ant1	0.59	8.54	30	12.24	Pass
802.11a	5785	Ant1	0.60	13.40	30	17.10	Pass
802.11a	5825	Ant1	0.59	13.01	30	16.71	Pass
802.11n (HT20)	5745	Ant1	0.64	9.43	30	13.13	Pass
802.11n (HT20)	5785	Ant1	0.64	13.27	30	16.97	Pass
802.11n (HT20)	5825	Ant1	0.63	12.54	30	16.24	Pass
802.11n (HT40)	5755	Ant1	1.21	11.12	30	14.82	Pass
802.11n (HT40)	5795	Ant1	1.21	11.60	30	15.30	Pass

4.2 Test Plots







5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-3 AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5745	Ant1	0.59	-4.272	510	30	Pass
802.11a	5785	Ant1	0.60	0.623	510	30	Pass
802.11a	5825	Ant1	0.59	0.117	510	30	Pass
802.11n (HT20)	5745	Ant1	0.64	-3.724	510	30	Pass
802.11n (HT20)	5785	Ant1	0.64	0.377	510	30	Pass
802.11n (HT20)	5825	Ant1	0.63	-0.104	510	30	Pass
802.11n (HT40)	5755	Ant1	1.21	-4.729	510	30	Pass
802.11n (HT40)	5795	Ant1	1.21	-4.511	510	30	Pass

5.2 Test Plots

