

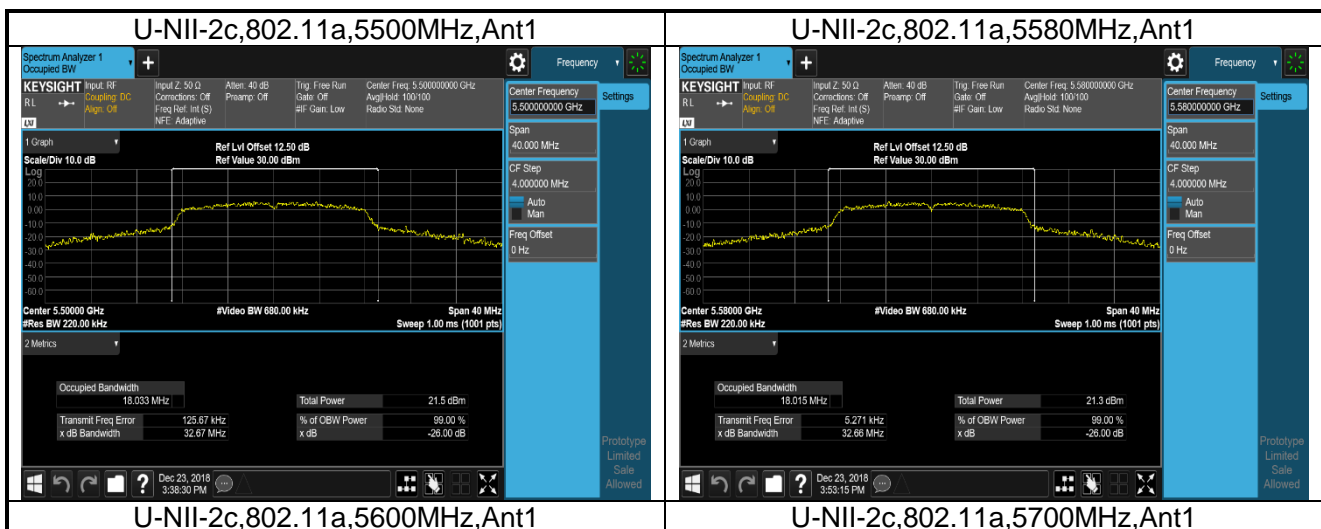
Appendix A3: Test results

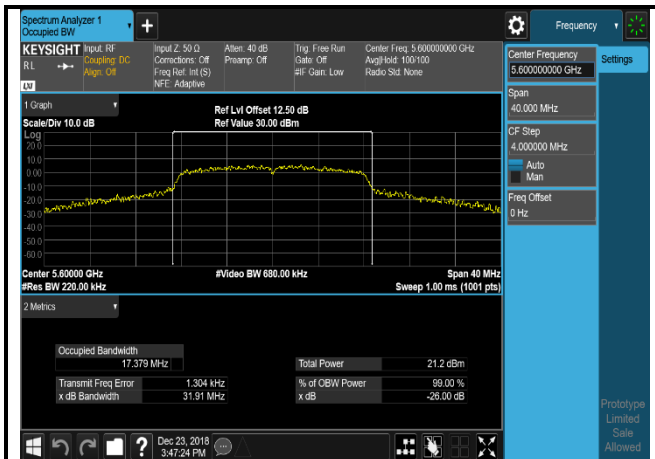
1. Occupied N dB Bandwidth

1.1 Test Data

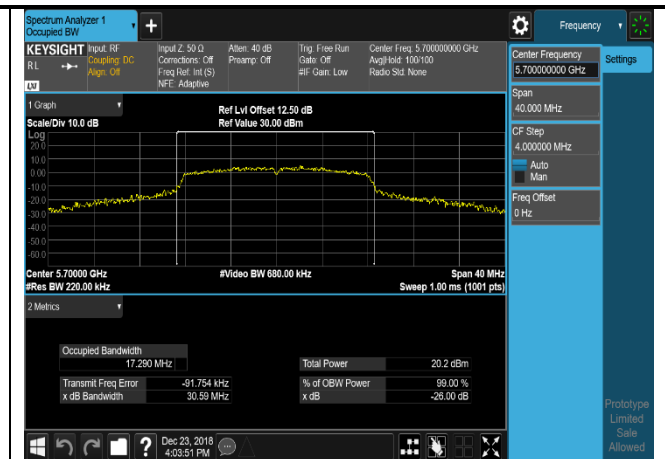
U-NII-2c Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant1	32.67	Pass
802.11a	5580	Ant1	32.66	Pass
802.11a	5600	Ant1	31.91	Pass
802.11a	5700	Ant1	30.59	Pass
802.11n (HT20)	5500	Ant1	33.06	Pass
802.11n (HT20)	5580	Ant1	34.22	Pass
802.11n (HT20)	5600	Ant1	30.60	Pass
802.11n (HT20)	5700	Ant1	29.26	Pass
802.11n (HT40)	5510	Ant1	68.74	Pass
802.11n (HT40)	5550	Ant1	71.48	Pass
802.11n (HT40)	5590	Ant1	64.29	Pass
802.11n (HT40)	5670	Ant1	65.45	Pass

1.2 Test Plots





U-NII-2c,802.11n(HT20),5500MHz
,Ant1



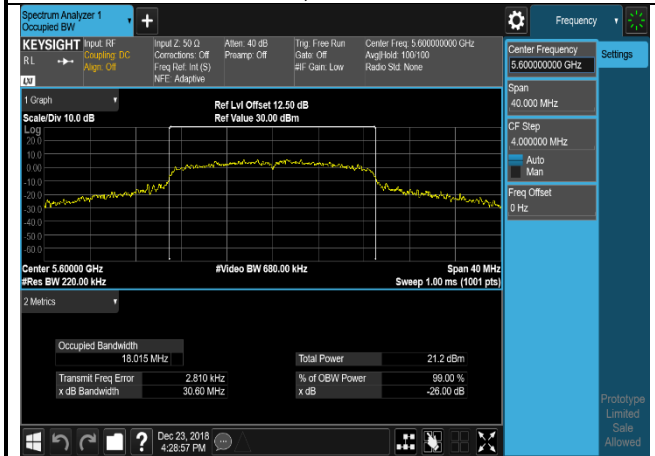
U-NII-2c,802.11n(HT20),5580MHz
,Ant1



U-NII-2c,802.11n(HT20),5600MHz
,Ant1



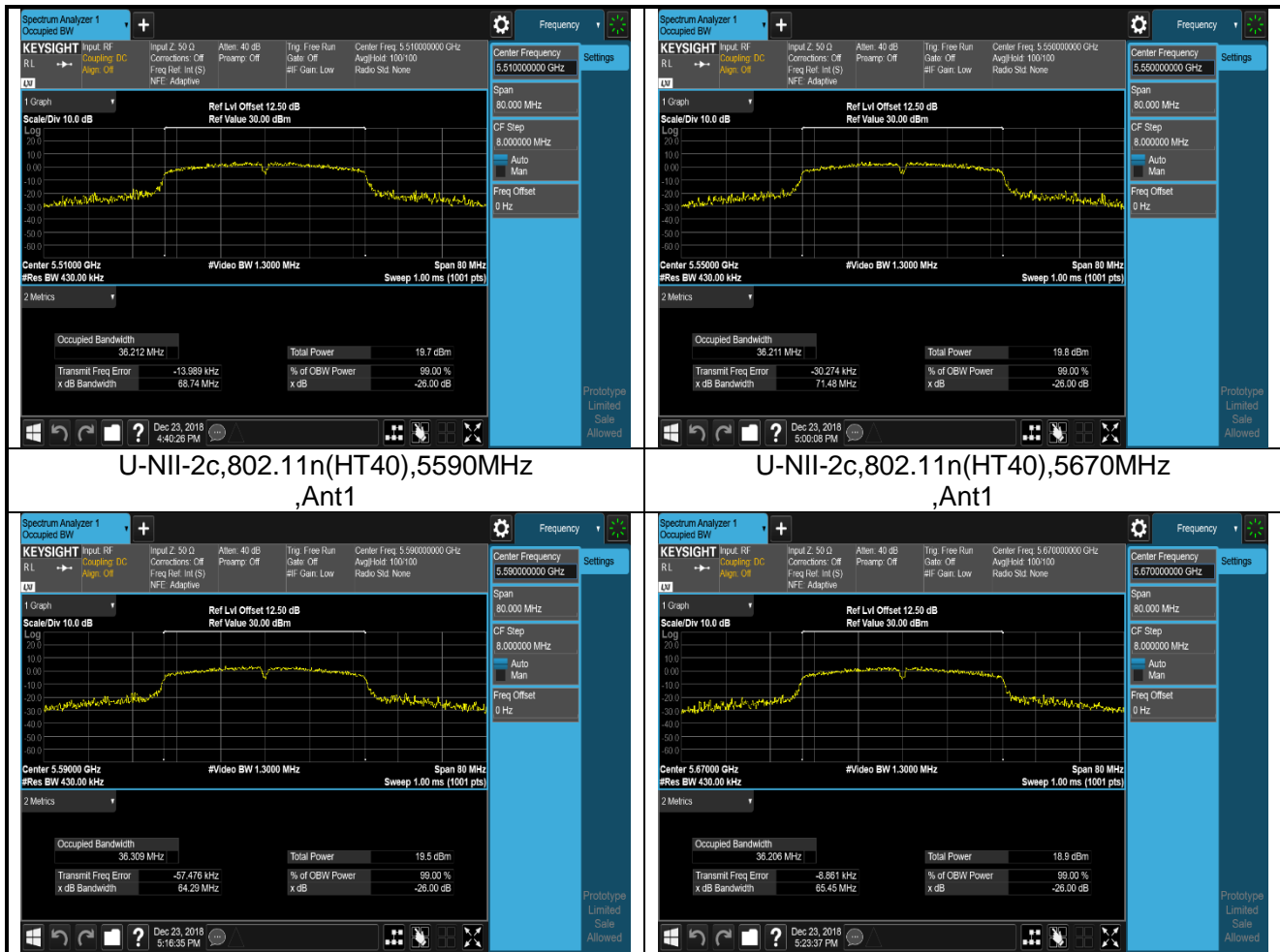
U-NII-2c,802.11n(HT20),5700MHz
,Ant1



U-NII-2c,802.11n(HT40),5510MHz
,Ant1



U-NII-2c,802.11n(HT40),5550MHz
,Ant1

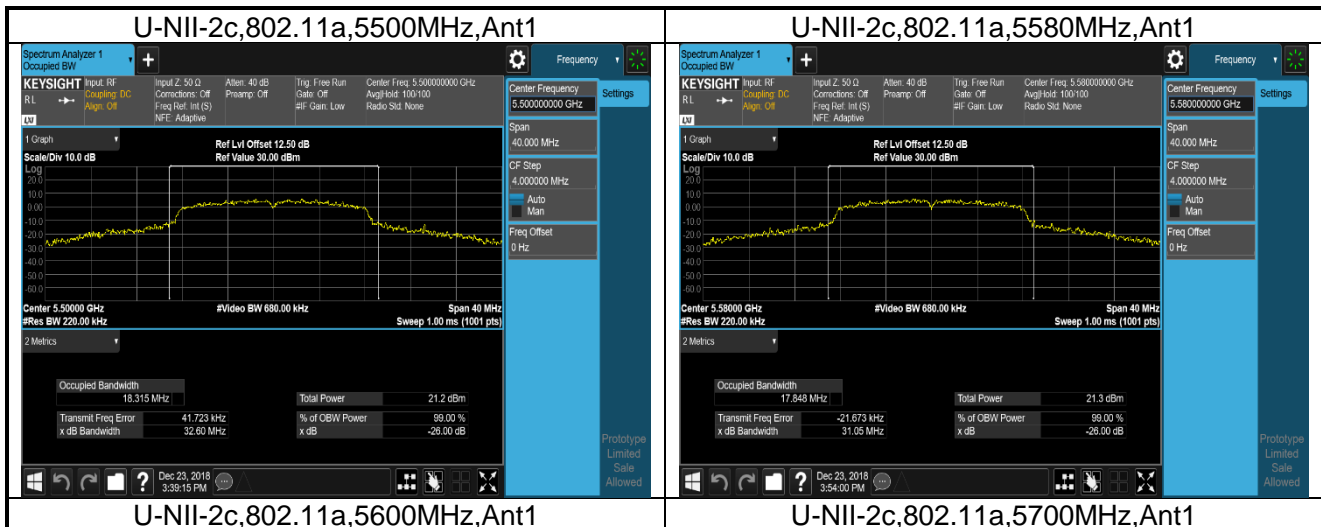


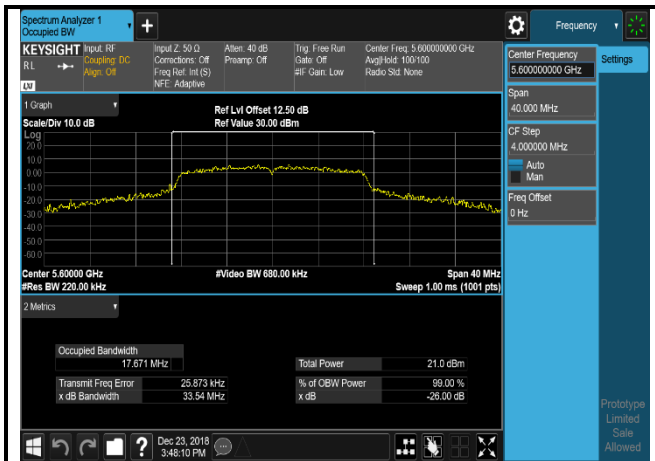
2. 99% Occupied Bandwidth

2.1 Test Data

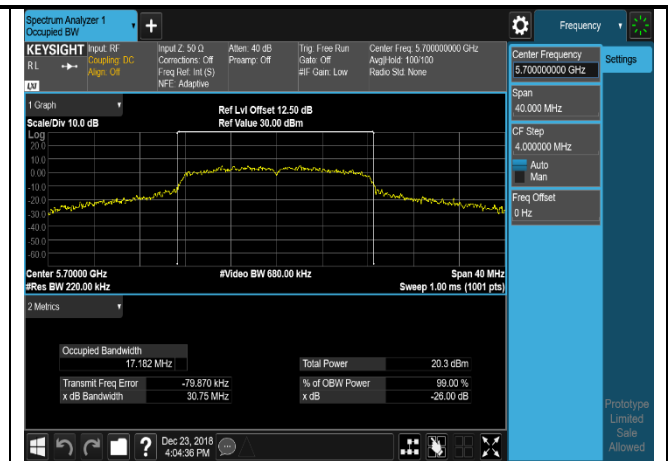
U-NII-2c 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant1	18.315	Pass
802.11a	5580	Ant1	17.848	Pass
802.11a	5600	Ant1	17.671	Pass
802.11a	5700	Ant1	17.182	Pass
802.11n (HT20)	5500	Ant1	18.180	Pass
802.11n (HT20)	5580	Ant1	18.112	Pass
802.11n (HT20)	5600	Ant1	18.125	Pass
802.11n (HT20)	5700	Ant1	17.888	Pass
802.11n (HT40)	5510	Ant1	36.207	Pass
802.11n (HT40)	5550	Ant1	36.200	Pass
802.11n (HT40)	5590	Ant1	36.280	Pass
802.11n (HT40)	5670	Ant1	36.238	Pass

2.2 Test Plots

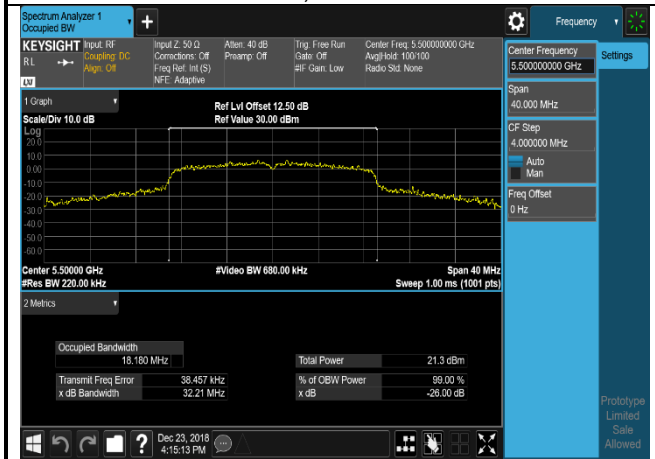




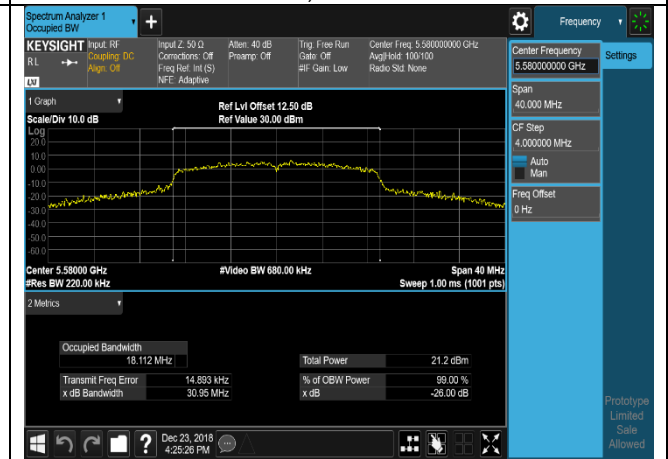
U-NII-2c,802.11n(HT20),5500MHz
,Ant1



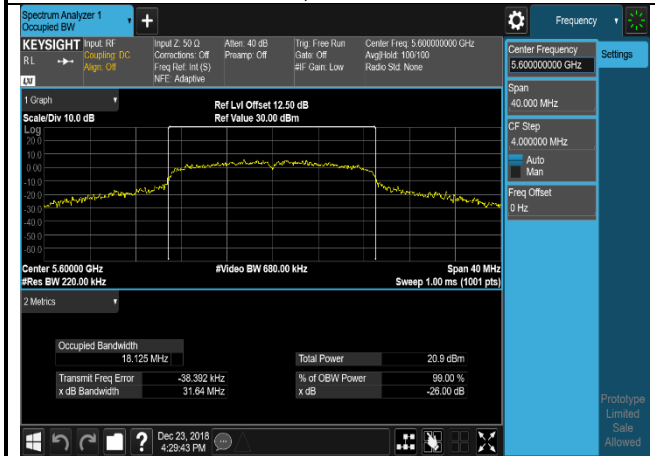
U-NII-2c,802.11n(HT20),5580MHz
,Ant1



U-NII-2c,802.11n(HT20),5600MHz
,Ant1



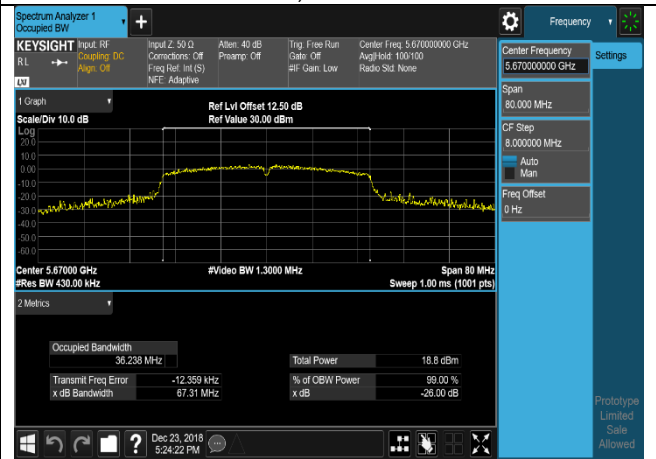
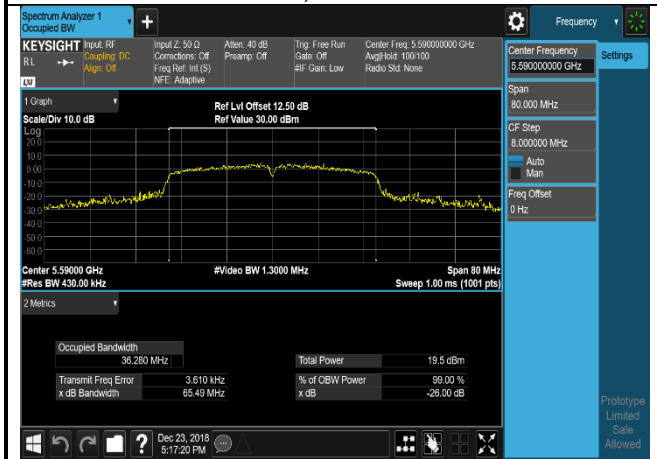
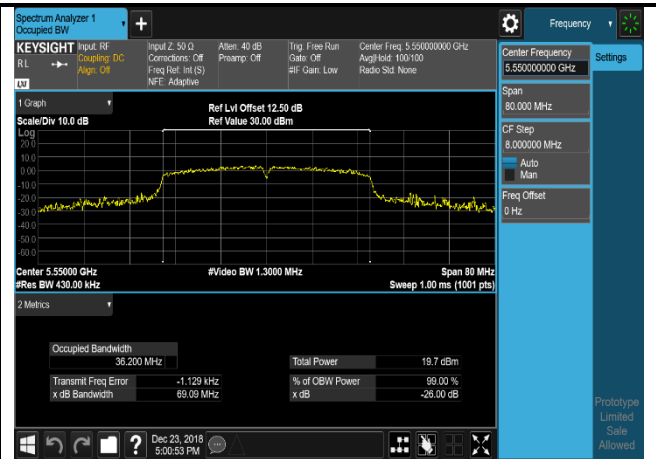
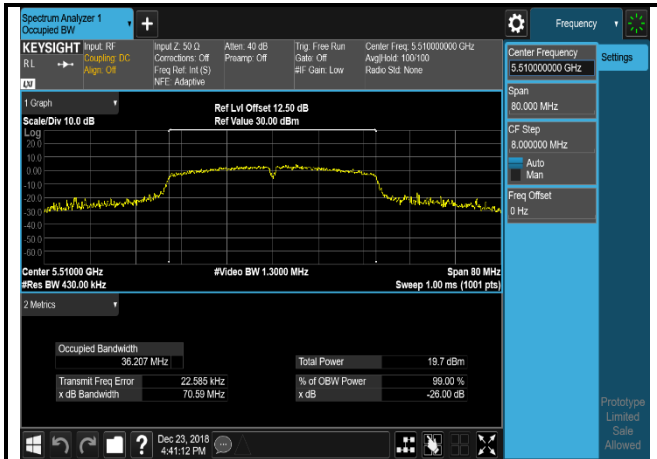
U-NII-2c,802.11n(HT20),5700MHz
,Ant1



U-NII-2c,802.11n(HT40),5510MHz
,Ant1



U-NII-2c,802.11n(HT40),5550MHz
,Ant1

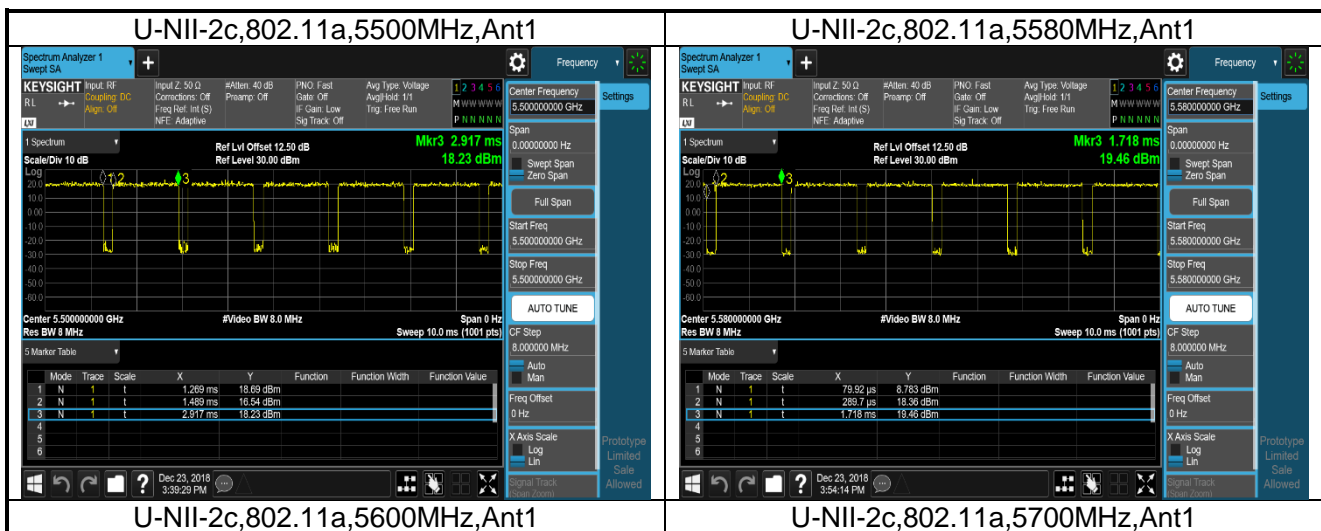


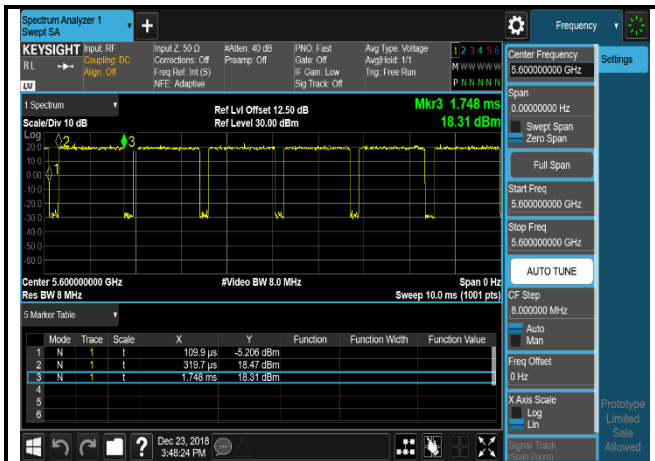
3. Duty Cycle

3.1 Test Data

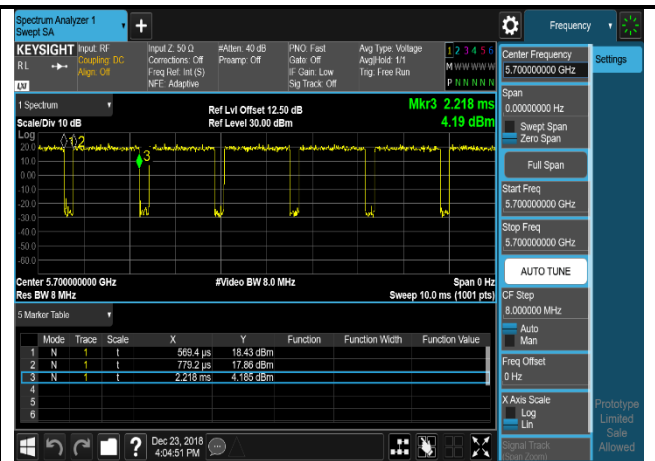
U-NII-2c Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5500	Ant1	86.67	0.62
802.11a	5580	Ant1	87.20	0.59
802.11a	5600	Ant1	87.20	0.59
802.11a	5700	Ant1	87.27	0.59
802.11n (HT20)	5500	Ant1	86.45	0.63
802.11n (HT20)	5580	Ant1	86.54	0.63
802.11n (HT20)	5600	Ant1	86.45	0.63
802.11n (HT20)	5700	Ant1	86.45	0.63
802.11n (HT40)	5510	Ant1	75.00	1.25
802.11n (HT40)	5550	Ant1	75.86	1.20
802.11n (HT40)	5590	Ant1	76.14	1.18
802.11n (HT40)	5670	Ant1	76.14	1.18

3.2 Test Plots

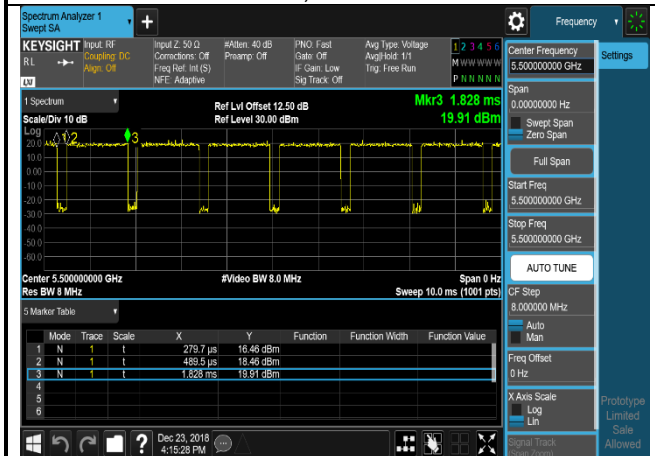




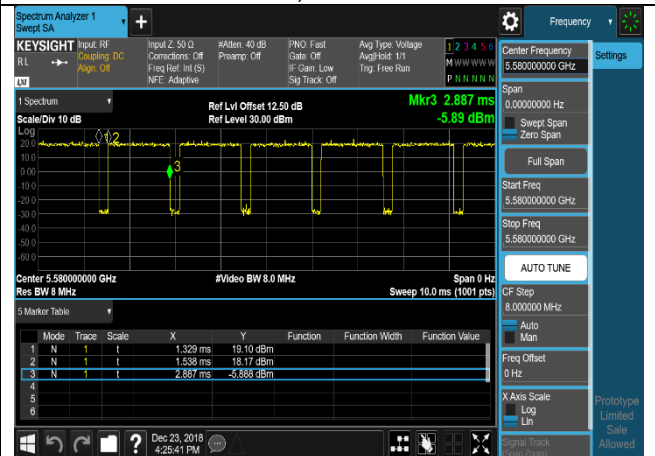
U-NII-2c, 802.11n(HT20), 5500MHz
, Ant1



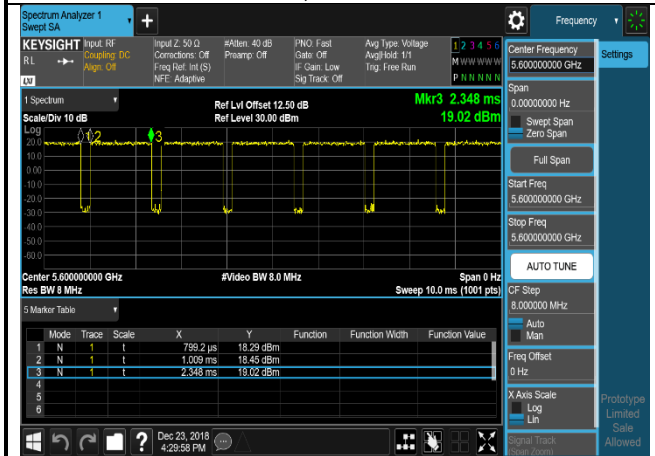
U-NII-2c, 802.11n(HT20), 5580MHz
, Ant1



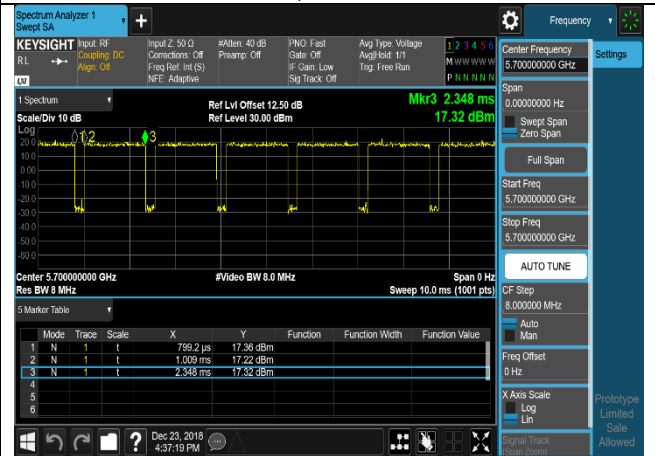
U-NII-2c, 802.11n(HT20), 5600MHz
, Ant1



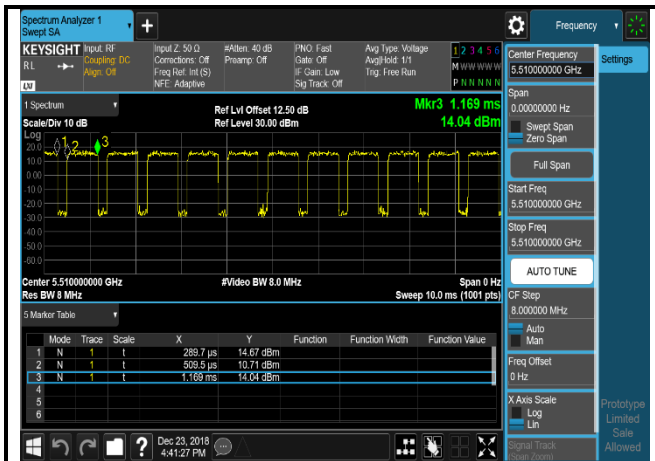
U-NII-2c, 802.11n(HT20), 5700MHz
, Ant1



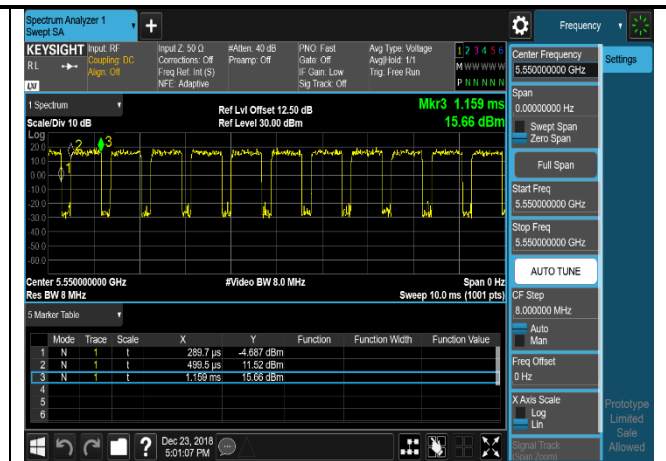
U-NII-2c, 802.11n(HT40), 5510MHz
, Ant1



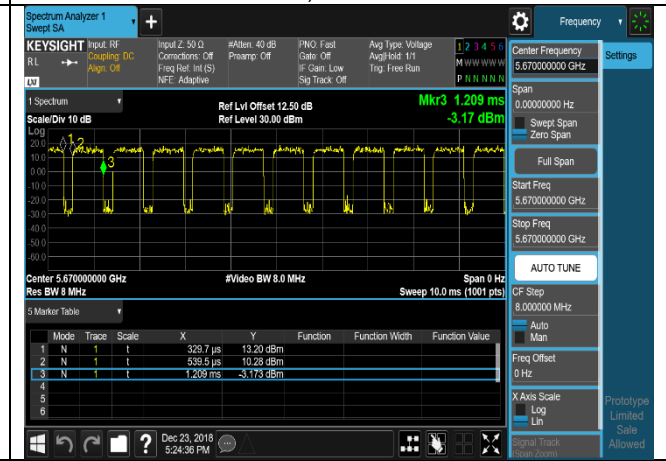
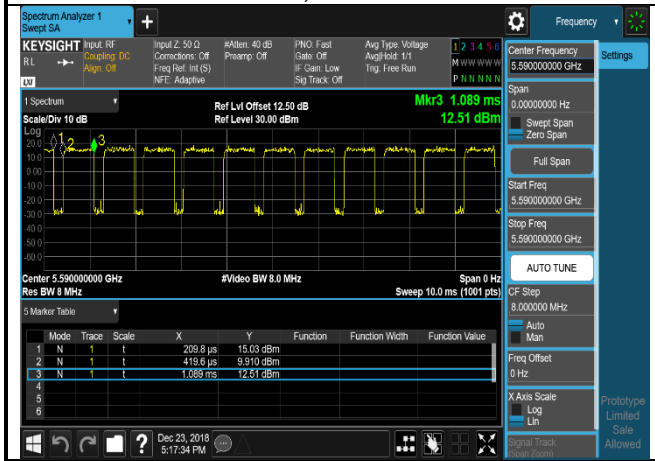
U-NII-2c, 802.11n(HT40), 5550MHz
, Ant1



U-NII-2c,802.11n(HT40),5590MHz
,Ant1



U-NII-2c,802.11n(HT40),5670MHz
,Ant1

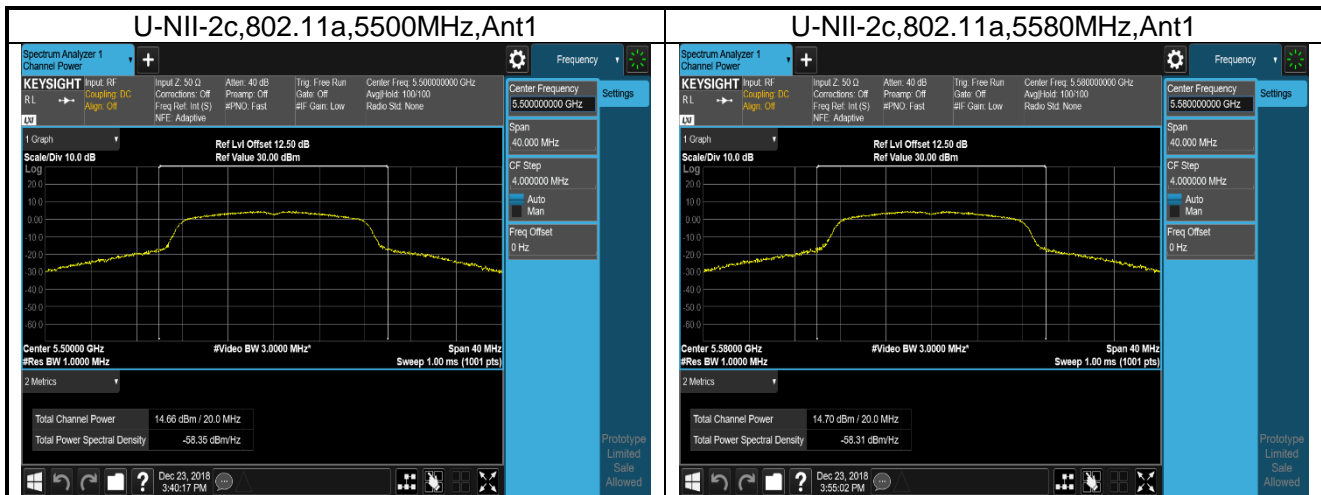


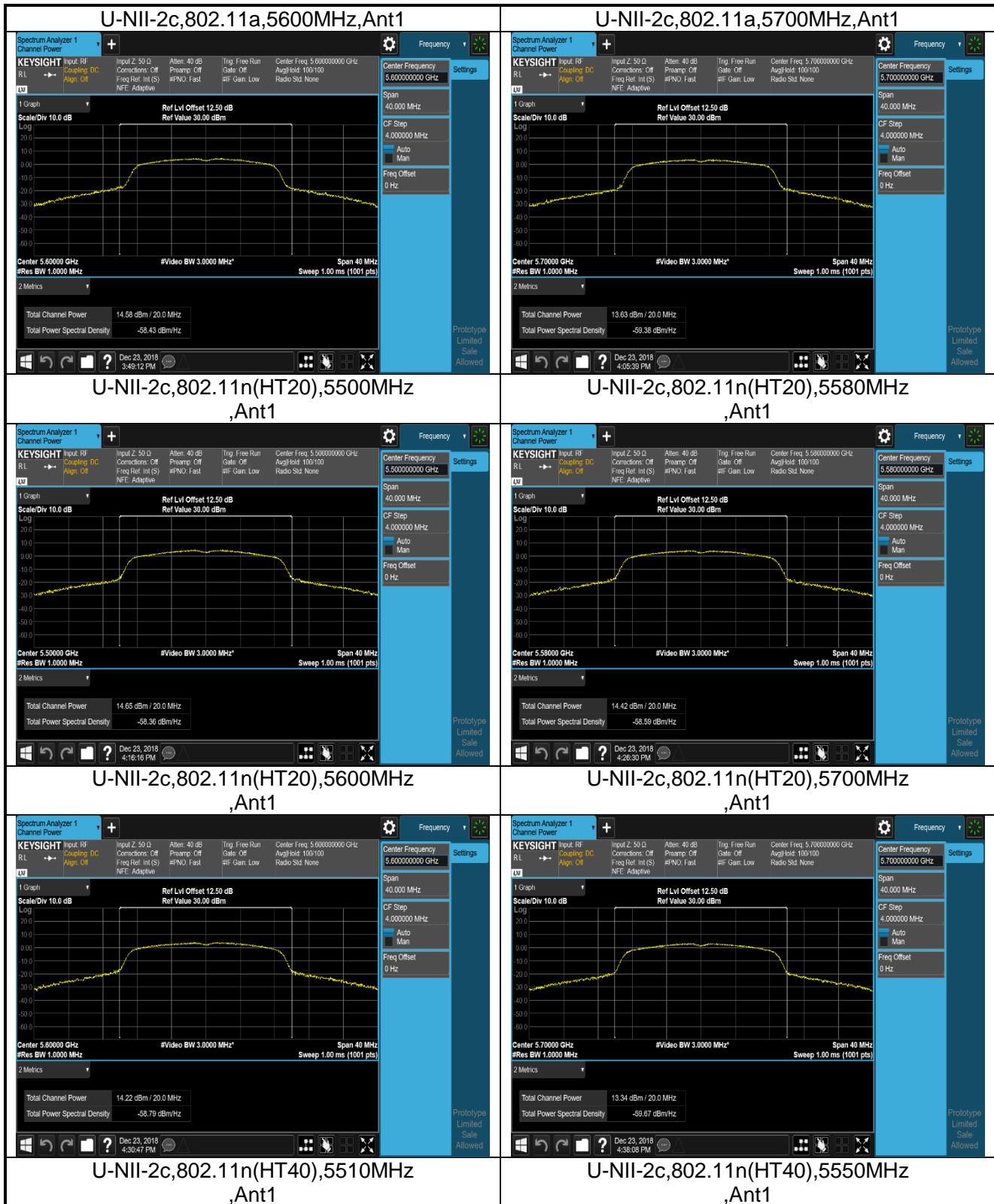
4. AVGSA Output Power

4.1 Test Data

U-NII-2c AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5500	Ant1	0.62	15.28	24	18.98	Pass
802.11a	5580	Ant1	0.59	15.29	24	18.99	Pass
802.11a	5600	Ant1	0.59	15.17	24	18.87	Pass
802.11a	5700	Ant1	0.59	14.22	24	17.92	Pass
802.11n (HT20)	5500	Ant1	0.63	15.28	24	18.98	Pass
802.11n (HT20)	5580	Ant1	0.63	15.05	24	18.75	Pass
802.11n (HT20)	5600	Ant1	0.63	14.85	24	18.55	Pass
802.11n (HT20)	5700	Ant1	0.63	13.97	24	17.67	Pass
802.11n (HT40)	5510	Ant1	1.25	13.68	24	17.38	Pass
802.11n (HT40)	5550	Ant1	1.20	13.96	24	17.66	Pass
802.11n (HT40)	5590	Ant1	1.18	13.48	24	17.18	Pass
802.11n (HT40)	5670	Ant1	1.18	12.74	24	16.44	Pass

4.2 Test Plots







5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-2c AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5500	Ant1	0.62	5.310	1000	11	Pass
802.11a	5580	Ant1	0.59	5.280	1000	11	Pass
802.11a	5600	Ant1	0.59	5.139	1000	11	Pass
802.11a	5700	Ant1	0.59	4.456	1000	11	Pass
802.11n (HT20)	5500	Ant1	0.63	5.238	1000	11	Pass
802.11n (HT20)	5580	Ant1	0.63	4.772	1000	11	Pass
802.11n (HT20)	5600	Ant1	0.63	4.339	1000	11	Pass
802.11n (HT20)	5700	Ant1	0.63	3.901	1000	11	Pass
802.11n (HT40)	5510	Ant1	1.25	0.810	1000	11	Pass
802.11n (HT40)	5550	Ant1	1.20	0.656	1000	11	Pass
802.11n (HT40)	5590	Ant1	1.18	0.255	1000	11	Pass
802.11n (HT40)	5670	Ant1	1.18	0.086	1000	11	Pass

5.2 Test Plots

