

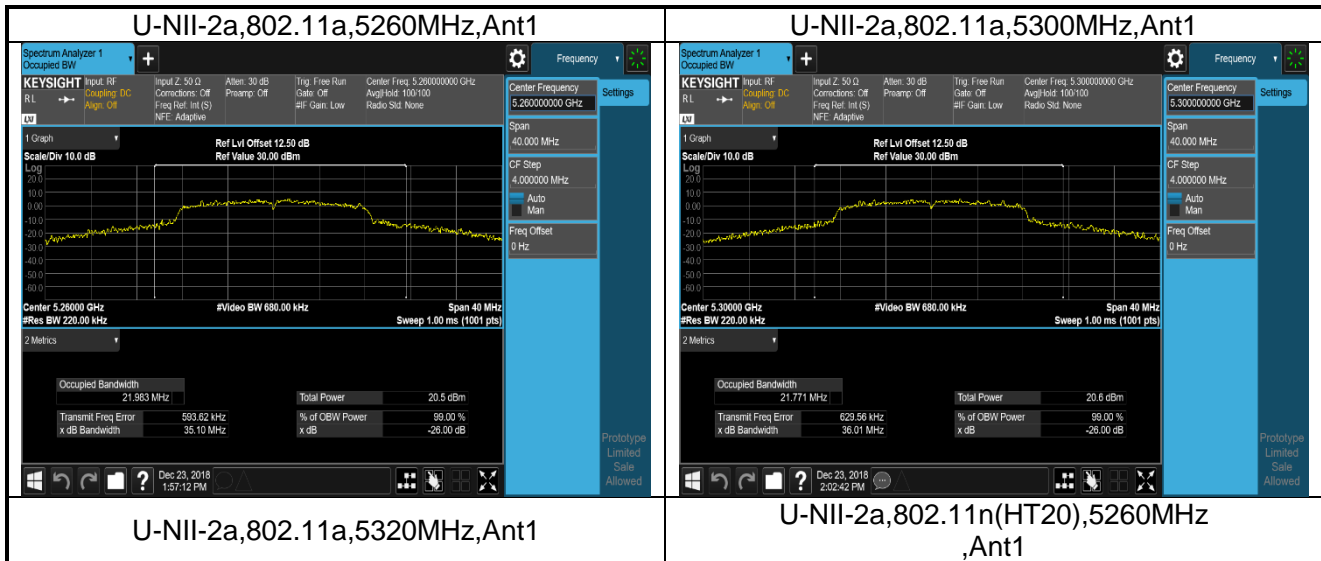
Appendix A2: Test results

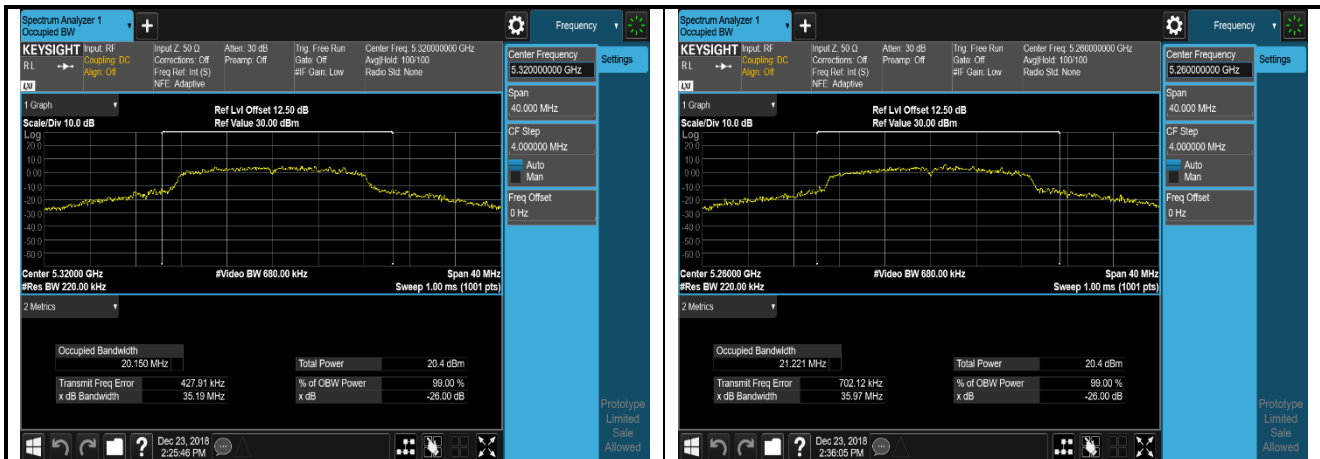
1. Occupied N dB Bandwidth

1.1 Test Data

U-NII-2a Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant1	35.10	Pass
802.11a	5300	Ant1	36.01	Pass
802.11a	5320	Ant1	35.19	Pass
802.11n (HT20)	5260	Ant1	35.97	Pass
802.11n (HT20)	5300	Ant1	35.30	Pass
802.11n (HT20)	5320	Ant1	34.32	Pass
802.11n (HT40)	5270	Ant1	67.06	Pass
802.11n (HT40)	5310	Ant1	65.91	Pass

1.2 Test Plots





U-NII-2a,802.11n(HT20),5300MHz
,Ant1

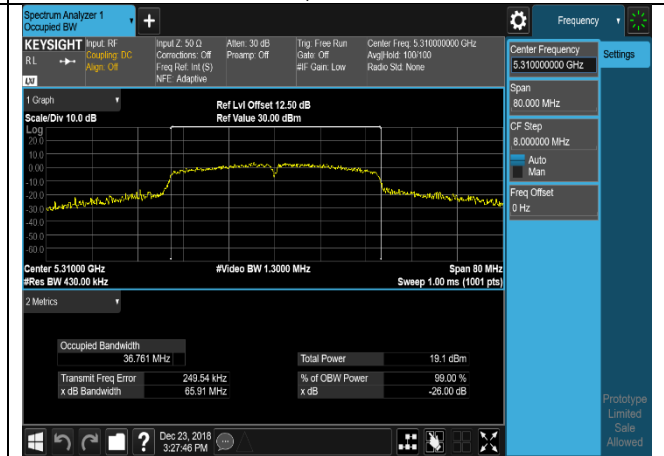
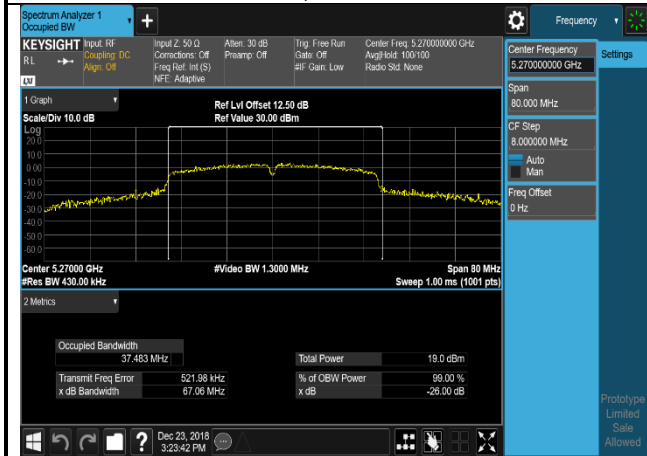
U-NII-2a,802.11n(HT20),5320MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant1



U-NII-2a,802.11n(HT40),5310MHz
,Ant1

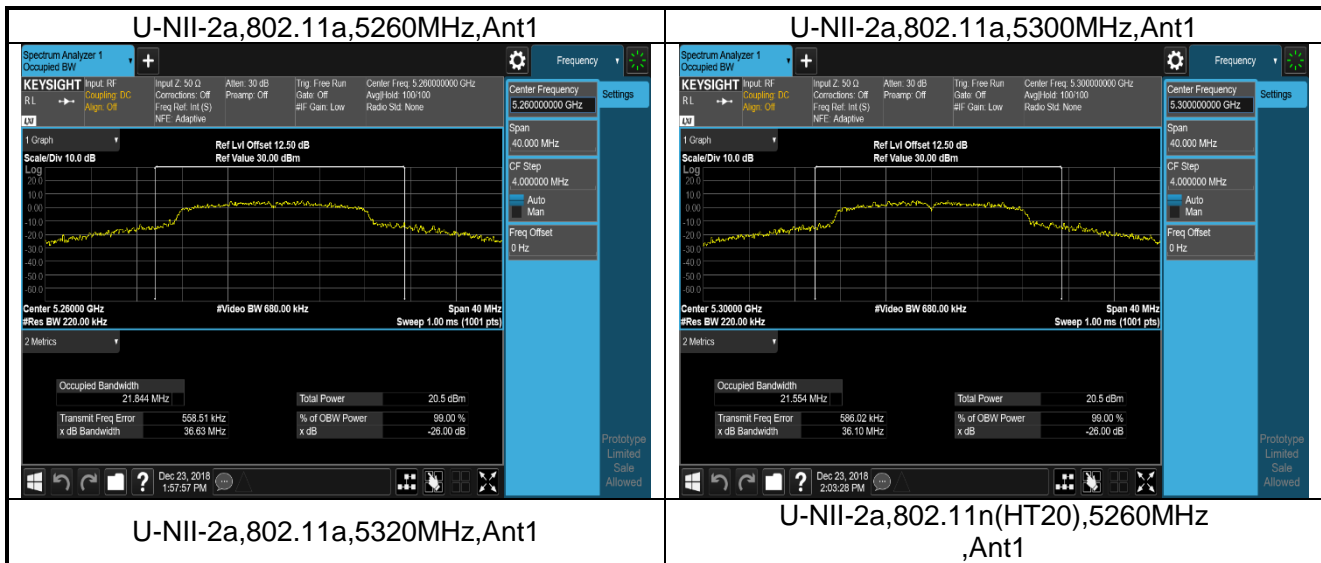


2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-2a 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant1	21.844	Pass
802.11a	5300	Ant1	21.554	Pass
802.11a	5320	Ant1	19.887	Pass
802.11n (HT20)	5260	Ant1	21.511	Pass
802.11n (HT20)	5300	Ant1	20.822	Pass
802.11n (HT20)	5320	Ant1	20.230	Pass
802.11n (HT40)	5270	Ant1	37.474	Pass
802.11n (HT40)	5310	Ant1	36.745	Pass

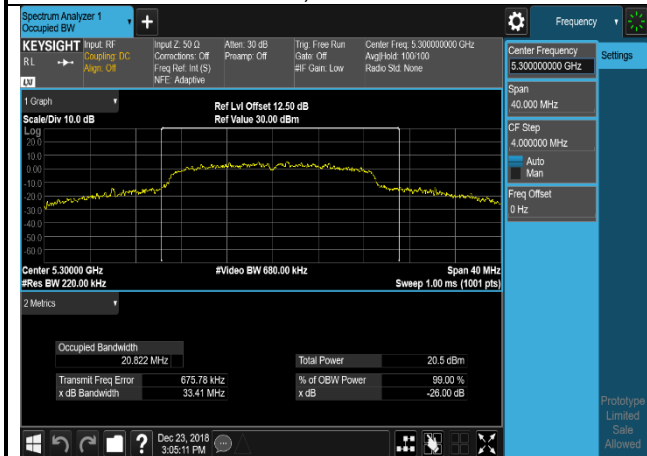
2.2 Test Plots





U-NII-2a,802.11n(HT20),5300MHz
,Ant1

U-NII-2a,802.11n(HT20),5320MHz
,Ant1



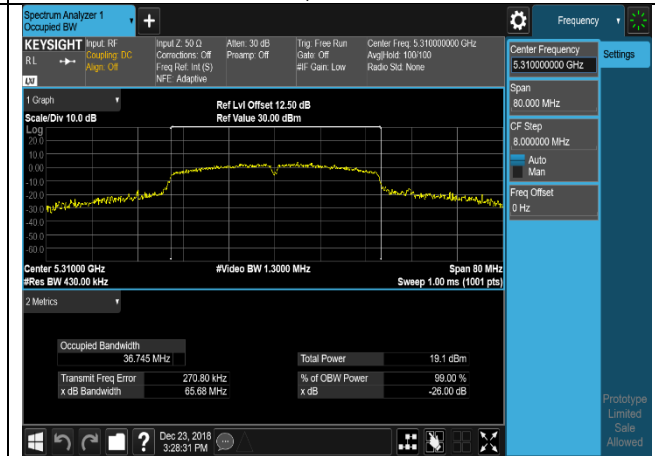
U-NII-2a,802.11n(HT40),5270MHz
,Ant1



U-NII-2a,802.11n(HT40),5310MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant1



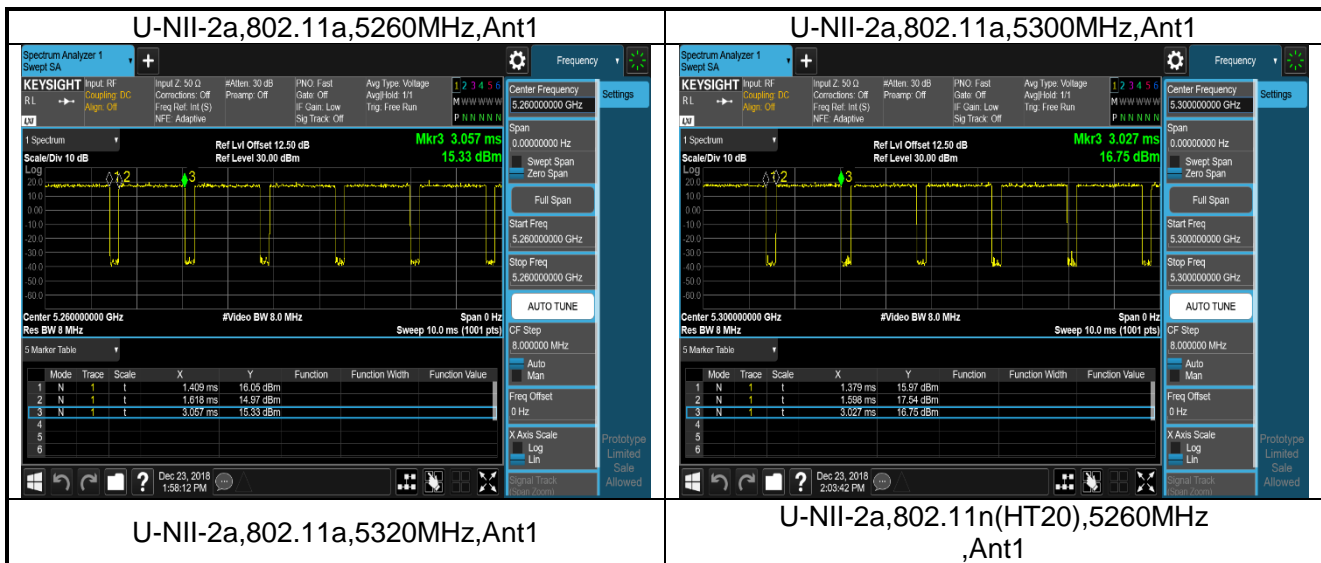
U-NII-2a,802.11n(HT40),5310MHz
,Ant1

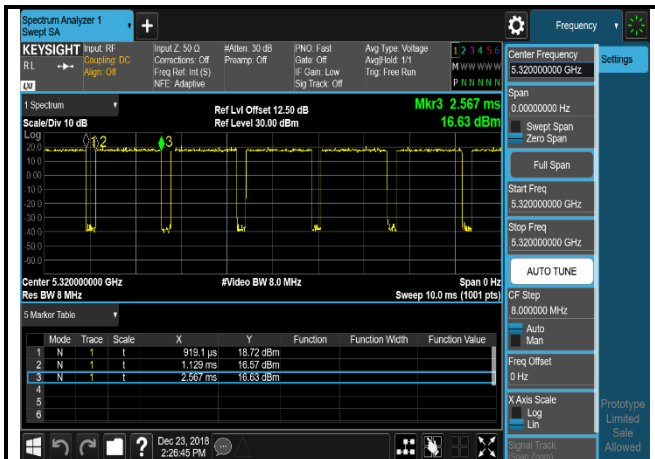
3. Duty Cycle

3.1 Test Data

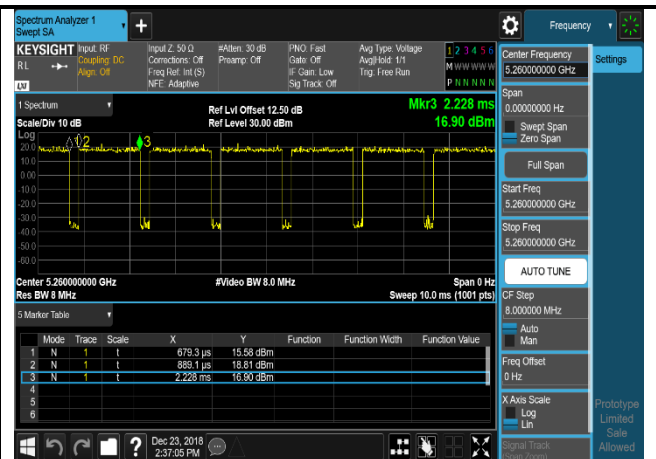
U-NII-2a Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5260	Ant1	87.27	0.59
802.11a	5300	Ant1	86.67	0.62
802.11a	5320	Ant1	87.27	0.59
802.11n (HT20)	5260	Ant1	86.45	0.63
802.11n (HT20)	5300	Ant1	86.54	0.63
802.11n (HT20)	5320	Ant1	86.54	0.63
802.11n (HT40)	5270	Ant1	76.14	1.18
802.11n (HT40)	5310	Ant1	75.00	1.25

3.2 Test Plots

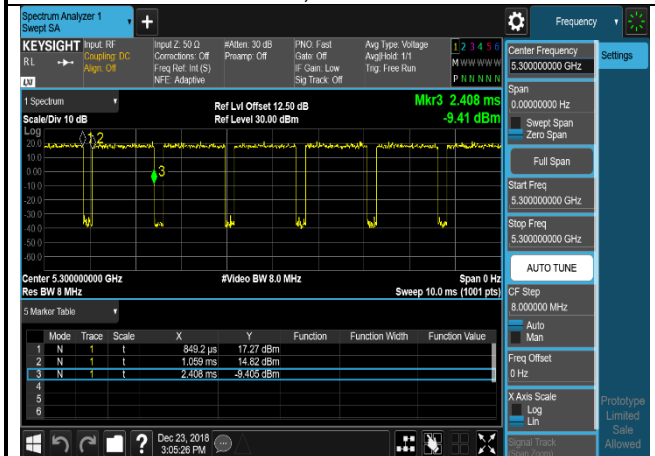




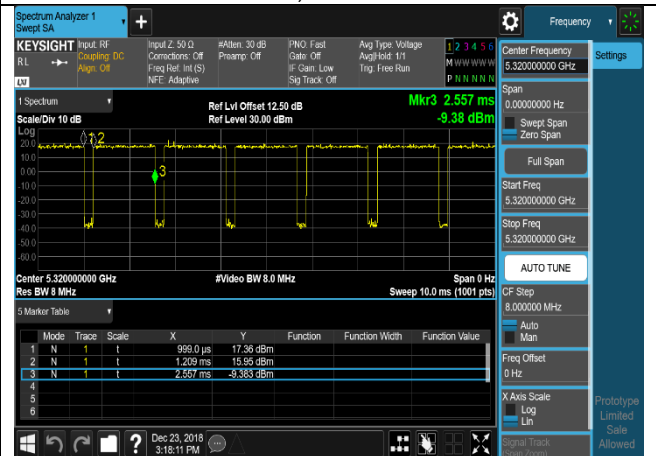
U-NII-2a,802.11n(HT20),5300MHz
,Ant1



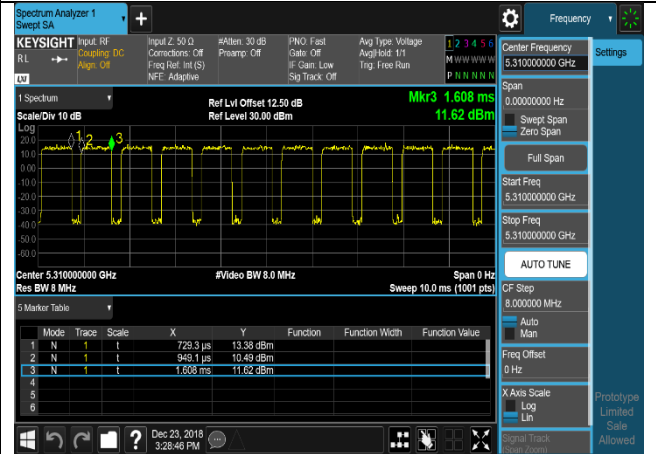
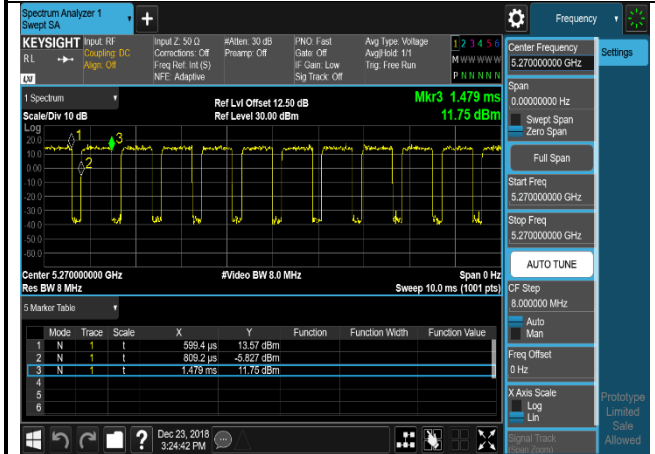
U-NII-2a,802.11n(HT20),5320MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant1



U-NII-2a,802.11n(HT40),5310MHz
,Ant1

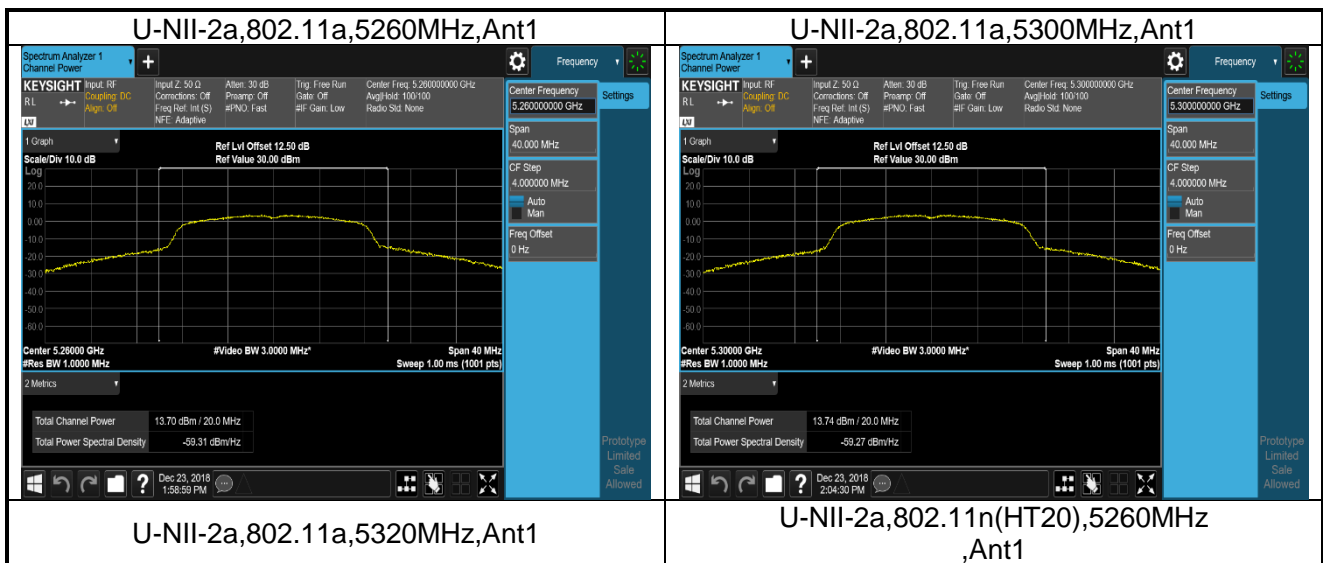


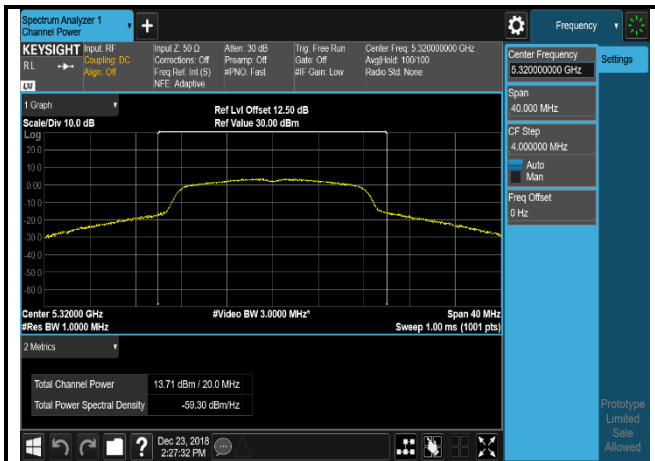
4. AVGSA Output Power

4.1 Test Data

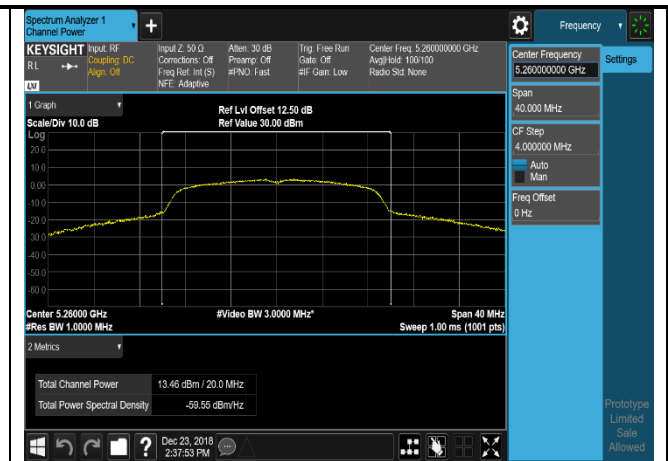
U-NII-2a AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5260	Ant1	0.59	14.29	24	17.99	Pass
802.11a	5300	Ant1	0.62	14.36	24	18.06	Pass
802.11a	5320	Ant1	0.59	14.30	24	18.00	Pass
802.11n (HT20)	5260	Ant1	0.63	14.09	24	17.79	Pass
802.11n (HT20)	5300	Ant1	0.63	14.13	24	17.83	Pass
802.11n (HT20)	5320	Ant1	0.63	14.33	24	18.03	Pass
802.11n (HT40)	5270	Ant1	1.18	13.04	24	16.74	Pass
802.11n (HT40)	5310	Ant1	1.25	13.07	24	16.77	Pass

4.2 Test Plots

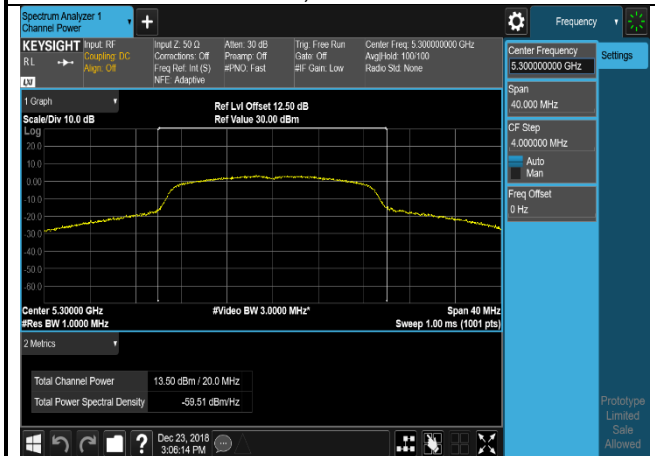




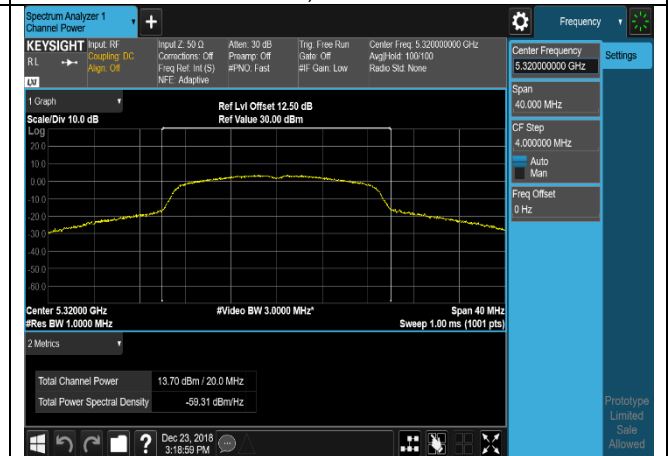
U-NII-2a,802.11n(HT20),5300MHz
,Ant1



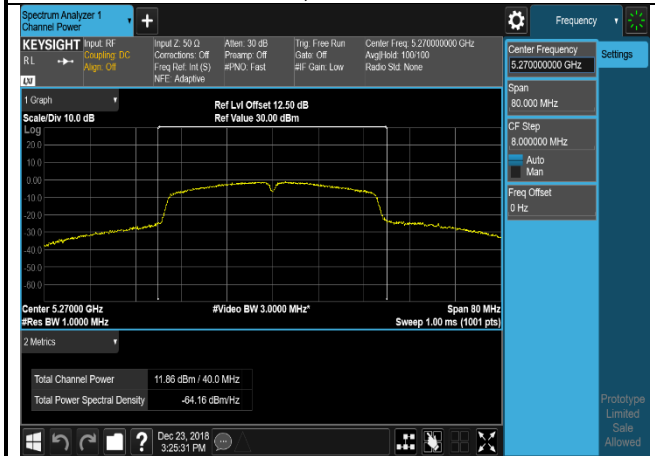
U-NII-2a,802.11n(HT20),5320MHz
,Ant1



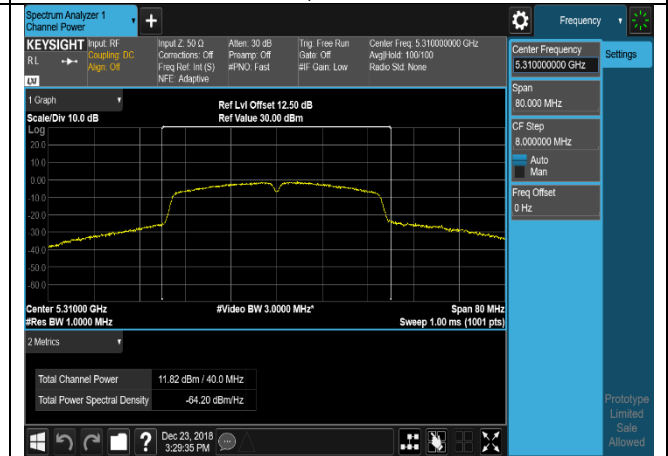
U-NII-2a,802.11n(HT40),5270MHz
,Ant1



U-NII-2a,802.11n(HT40),5310MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant1



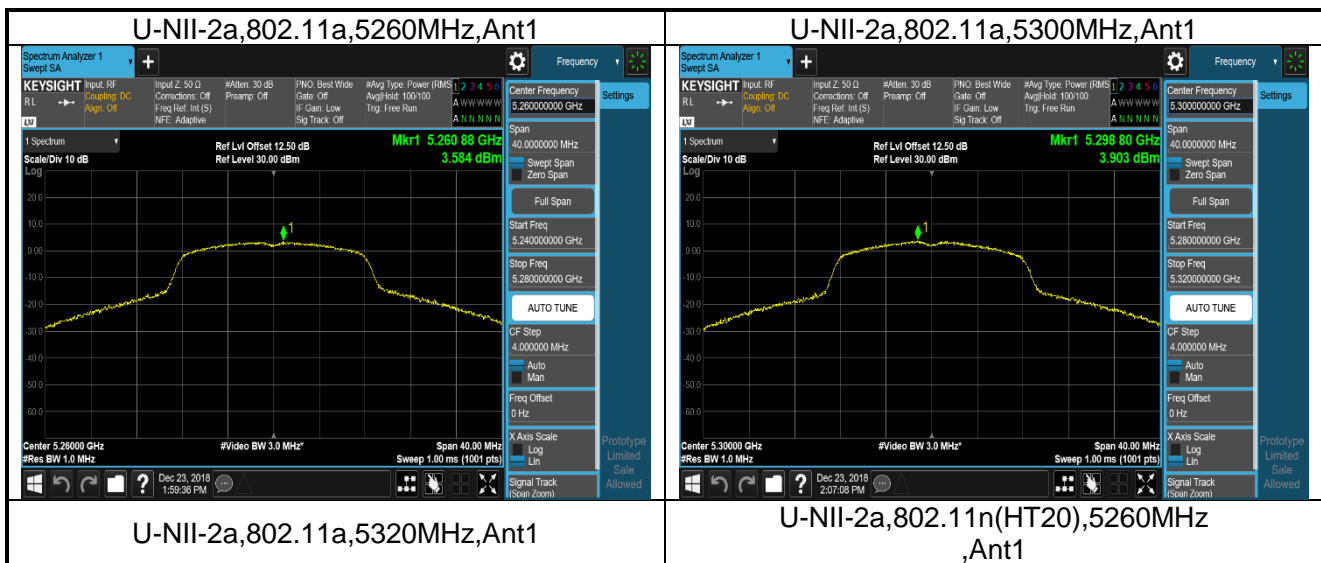
U-NII-2a,802.11n(HT40),5310MHz
,Ant1

5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-2a AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5260	Ant1	0.59	4.174	1000	11	Pass
802.11a	5300	Ant1	0.62	4.523	1000	11	Pass
802.11a	5320	Ant1	0.59	4.390	1000	11	Pass
802.11n (HT20)	5260	Ant1	0.63	3.857	1000	11	Pass
802.11n (HT20)	5300	Ant1	0.63	3.989	1000	11	Pass
802.11n (HT20)	5320	Ant1	0.63	4.082	1000	11	Pass
802.11n (HT40)	5270	Ant1	1.18	-0.400	1000	11	Pass
802.11n (HT40)	5310	Ant1	1.25	-0.365	1000	11	Pass

5.2 Test Plots





U-NII-2a,802.11n(HT20),5300MHz
,Ant1

U-NII-2a,802.11n(HT20),5320MHz
,Ant1



U-NII-2a,802.11n(HT40),5270MHz
,Ant1



U-NII-2a,802.11n(HT40),5310MHz
,Ant1

