

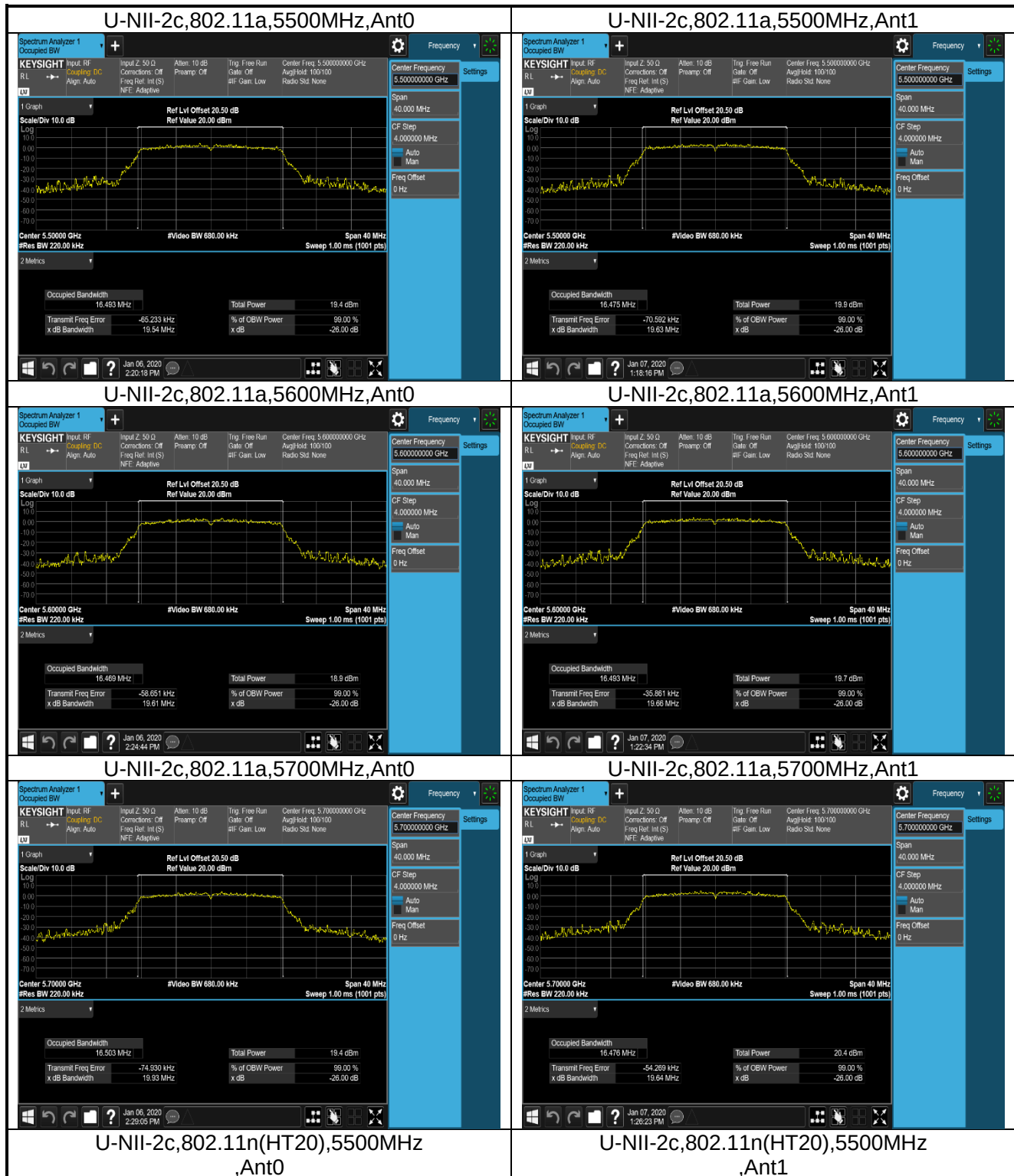
Appendix A: Test results

1. Occupied N dB Bandwidth

1.1 Test Data

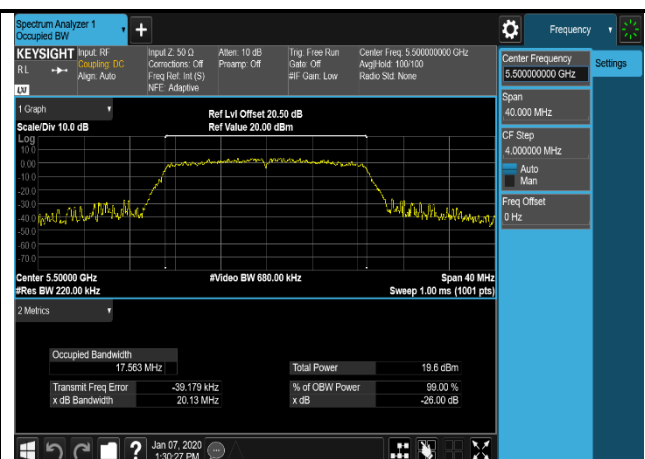
U-NII-2c Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant0	19.54	Pass
802.11a	5500	Ant1	19.63	Pass
802.11a	5600	Ant0	19.61	Pass
802.11a	5600	Ant1	19.66	Pass
802.11a	5700	Ant0	19.93	Pass
802.11a	5700	Ant1	19.64	Pass
802.11n (HT20)	5500	Ant0	20.06	Pass
802.11n (HT20)	5500	Ant1	20.13	Pass
802.11n (HT20)	5600	Ant0	20.06	Pass
802.11n (HT20)	5600	Ant1	20.10	Pass
802.11n (HT20)	5700	Ant0	20.08	Pass
802.11n (HT20)	5700	Ant1	20.09	Pass
802.11n (HT40)	5510	Ant0	40.45	Pass
802.11n (HT40)	5510	Ant1	40.20	Pass
802.11n (HT40)	5590	Ant0	40.06	Pass
802.11n (HT40)	5590	Ant1	40.25	Pass
802.11n (HT40)	5670	Ant0	40.20	Pass
802.11n (HT40)	5670	Ant1	40.24	Pass
802.11ac (VHT80)	5530	Ant0	80.59	Pass
802.11ac (VHT80)	5530	Ant1	80.76	Pass
802.11ac (VHT80)	5610	Ant0	80.98	Pass
802.11ac (VHT80)	5610	Ant1	79.69	Pass

1.2 Test Plots

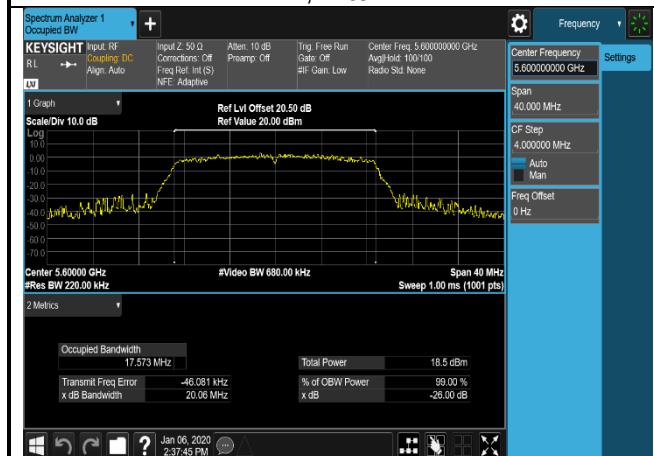




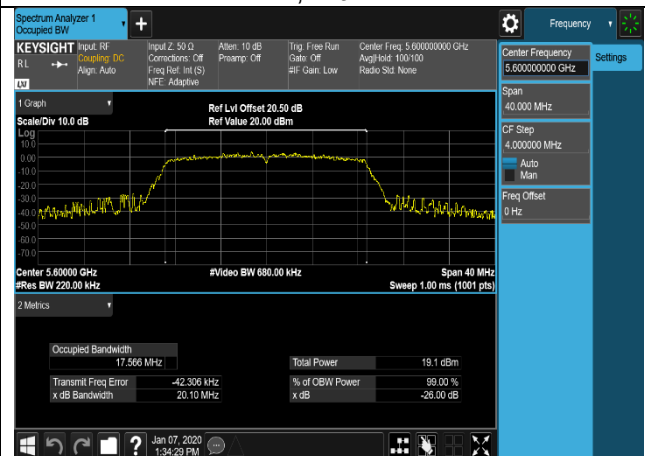
U-NII-2c,802.11n(HT20),5600MHz
,Ant0



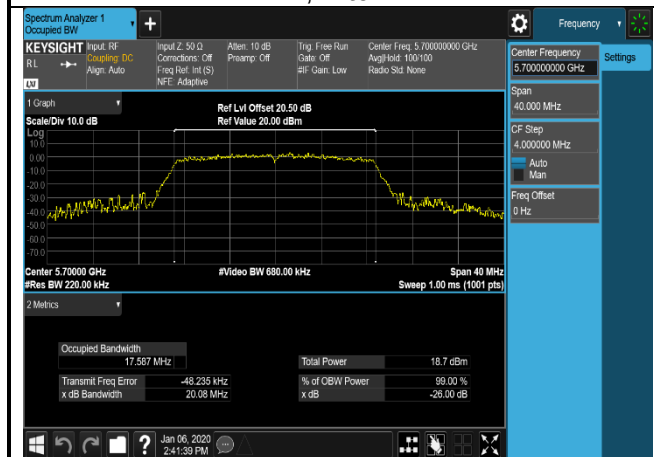
U-NII-2c,802.11n(HT20),5600MHz
,Ant1



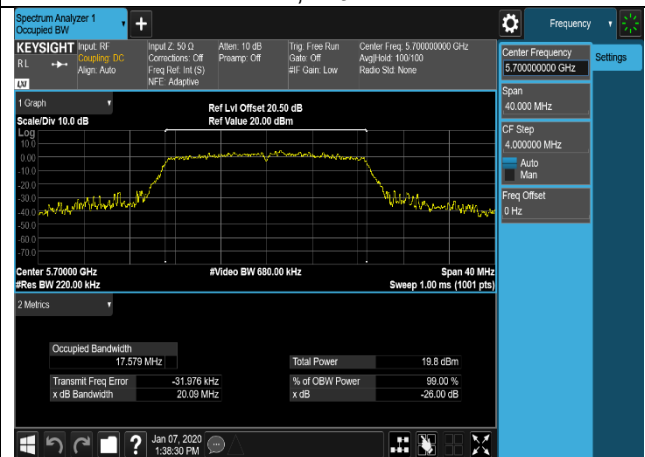
U-NII-2c,802.11n(HT20),5700MHz
,Ant0



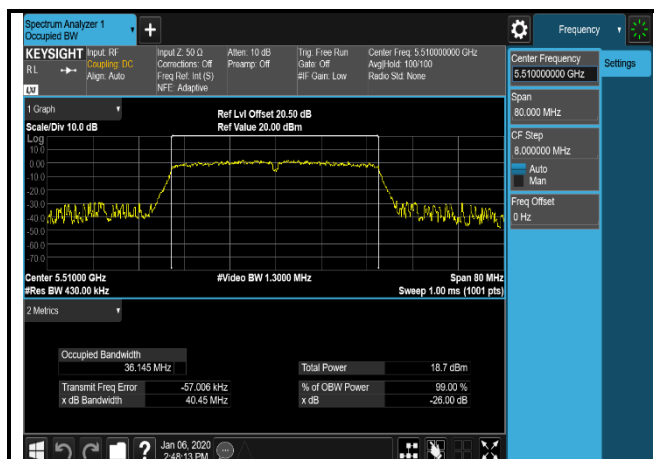
U-NII-2c,802.11n(HT20),5700MHz
,Ant1



U-NII-2c,802.11n(HT40),5510MHz
,Ant0



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



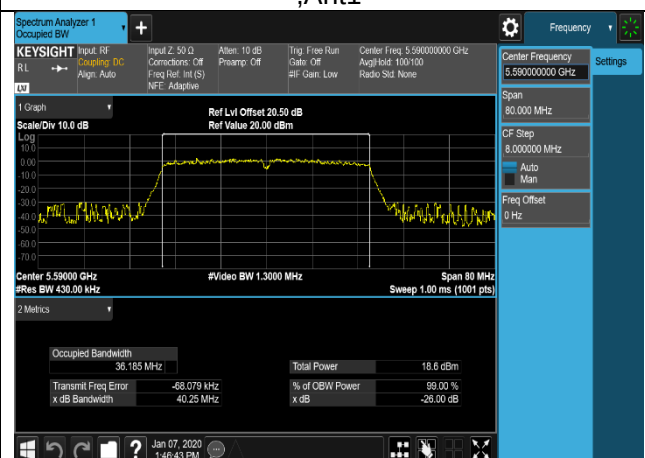
U-NII-2c,802.11n(HT40),5590MHz
,Ant0



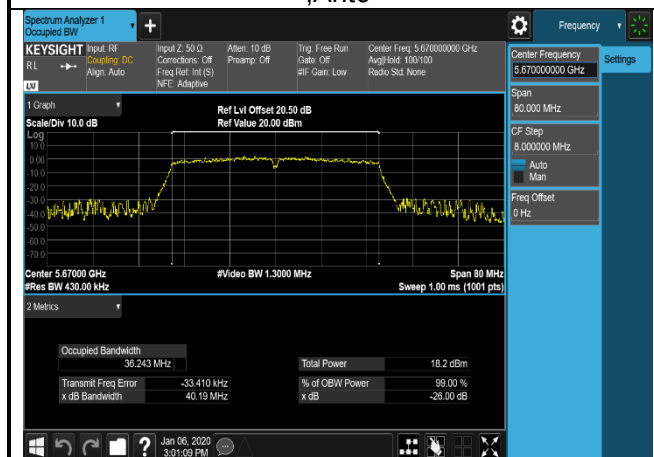
U-NII-2c,802.11n(HT40),5590MHz
,Ant1



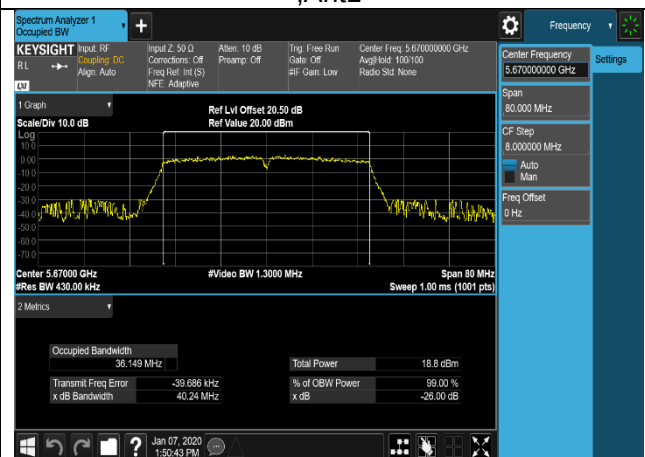
U-NII-2c,802.11n(HT40),5670MHz
,Ant0



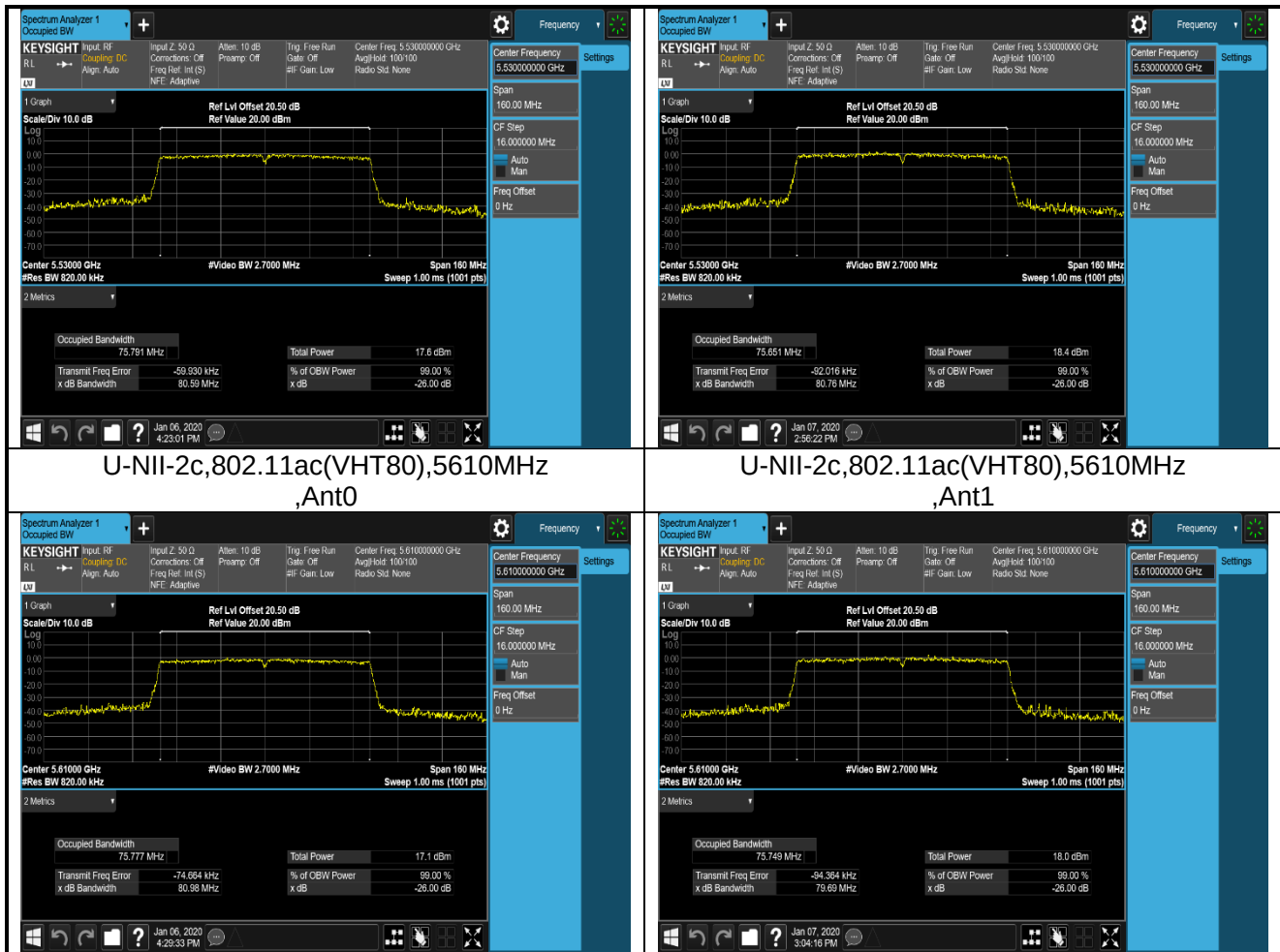
U-NII-2c,802.11n(HT40),5670MHz
,Ant1



U-NII-2c,802.11ac(VHT80),5530MHz
,Ant0



U-NII-2c,802.11ac(VHT80),5530MHz
,Ant1

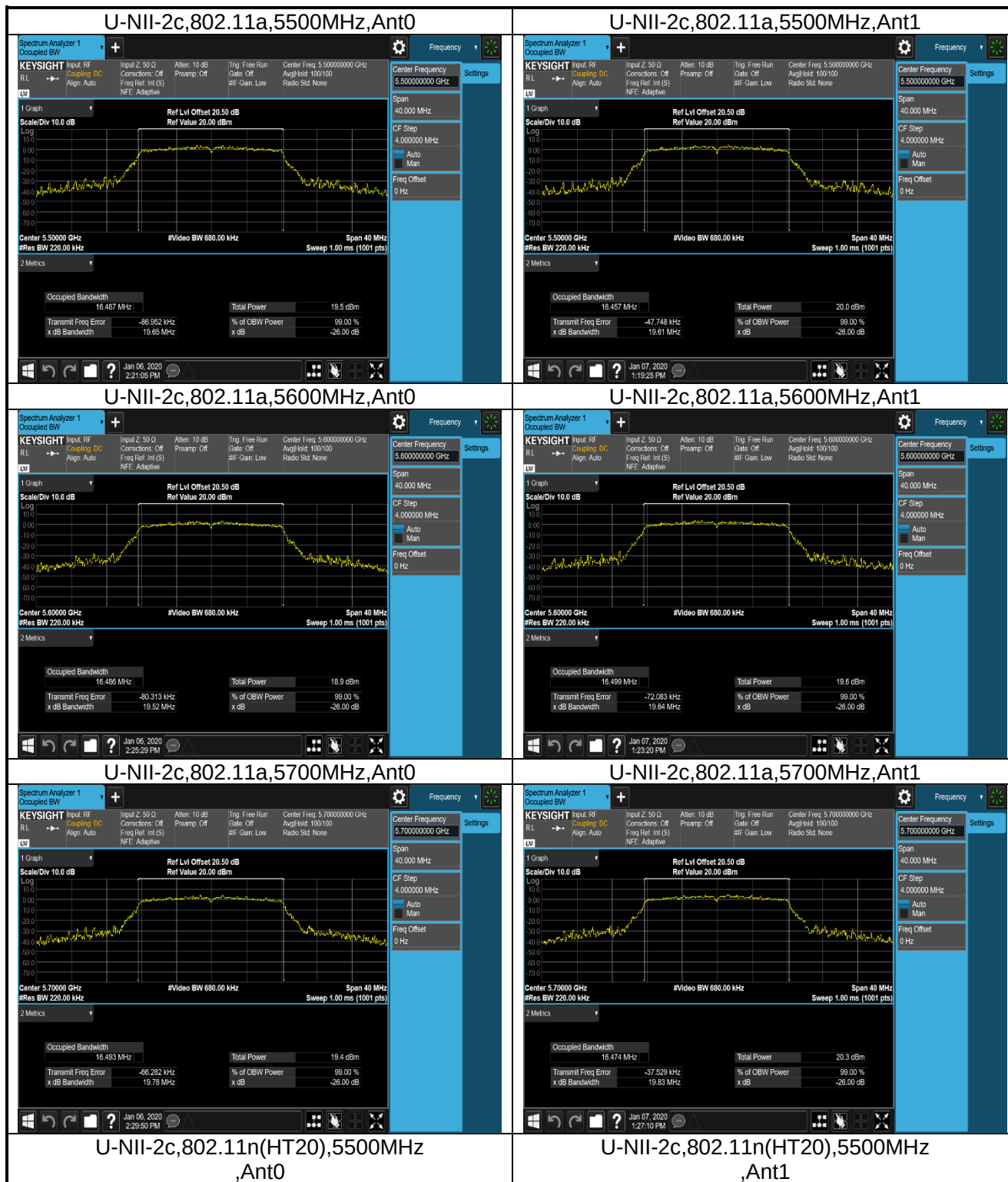


2. 99% Occupied Bandwidth

2.1 Test Data

U-NII-2c 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5500	Ant0	16.487	Pass
802.11a	5500	Ant1	16.457	Pass
802.11a	5600	Ant0	16.486	Pass
802.11a	5600	Ant1	16.499	Pass
802.11a	5700	Ant0	16.493	Pass
802.11a	5700	Ant1	16.474	Pass
802.11n (HT20)	5500	Ant0	17.568	Pass
802.11n (HT20)	5500	Ant1	17.591	Pass
802.11n (HT20)	5600	Ant0	17.567	Pass
802.11n (HT20)	5600	Ant1	17.580	Pass
802.11n (HT20)	5700	Ant0	17.544	Pass
802.11n (HT20)	5700	Ant1	17.599	Pass
802.11n (HT40)	5510	Ant0	36.199	Pass
802.11n (HT40)	5510	Ant1	36.121	Pass
802.11n (HT40)	5590	Ant0	36.204	Pass
802.11n (HT40)	5590	Ant1	36.138	Pass
802.11n (HT40)	5670	Ant0	36.134	Pass
802.11n (HT40)	5670	Ant1	36.162	Pass
802.11ac (VHT80)	5530	Ant0	75.703	Pass
802.11ac (VHT80)	5530	Ant1	75.734	Pass
802.11ac (VHT80)	5610	Ant0	75.704	Pass
802.11ac (VHT80)	5610	Ant1	75.712	Pass

2.2 Test Plots

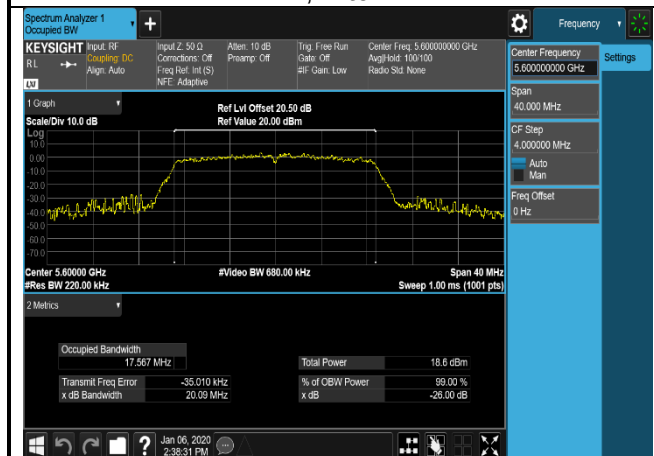




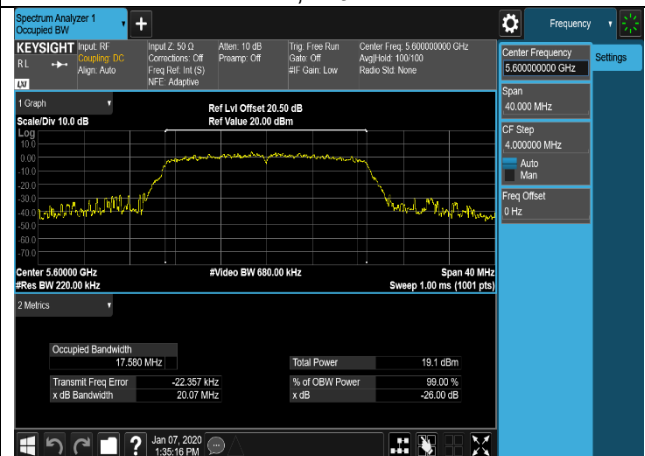
U-NII-2c,802.11n(HT20),5600MHz
,Ant0



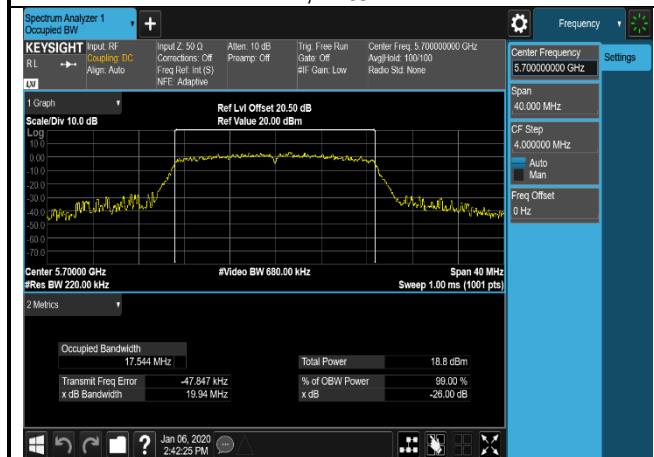
U-NII-2c,802.11n(HT20),5600MHz
,Ant1



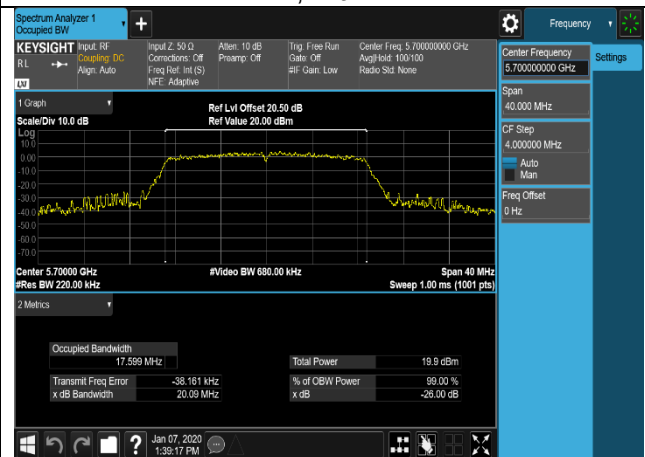
U-NII-2c,802.11n(HT20),5700MHz
,Ant0



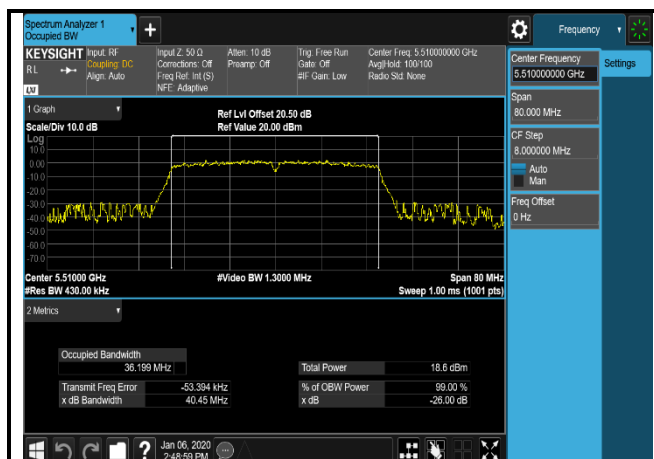
U-NII-2c,802.11n(HT20),5700MHz
,Ant1



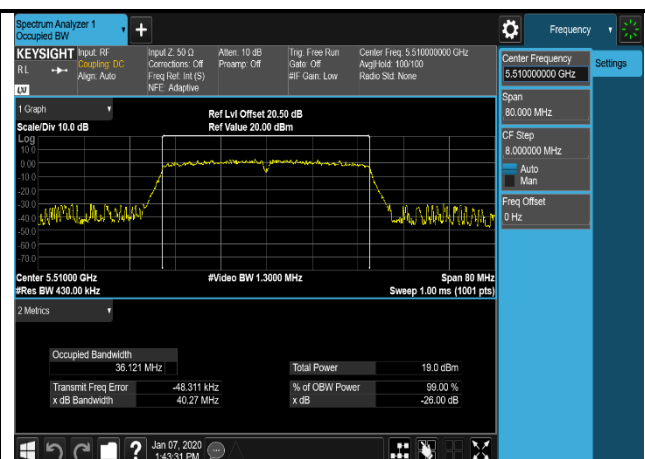
U-NII-2c,802.11n(HT40),5510MHz
,Ant0



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



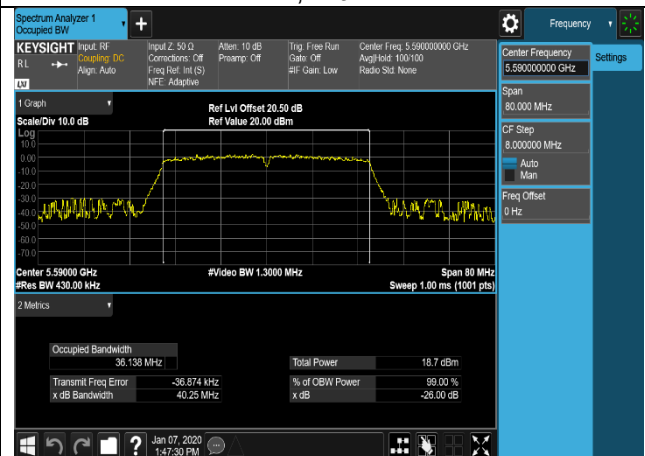
U-NII-2c,802.11n(HT40),5590MHz
,Ant0



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



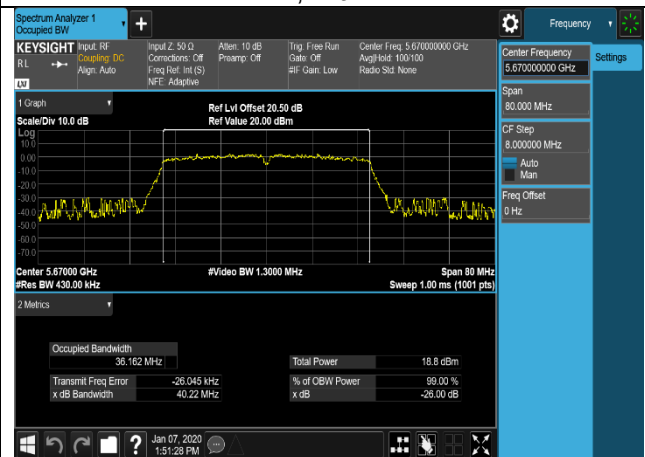
U-NII-2c,802.11n(HT40),5670MHz
,Ant0



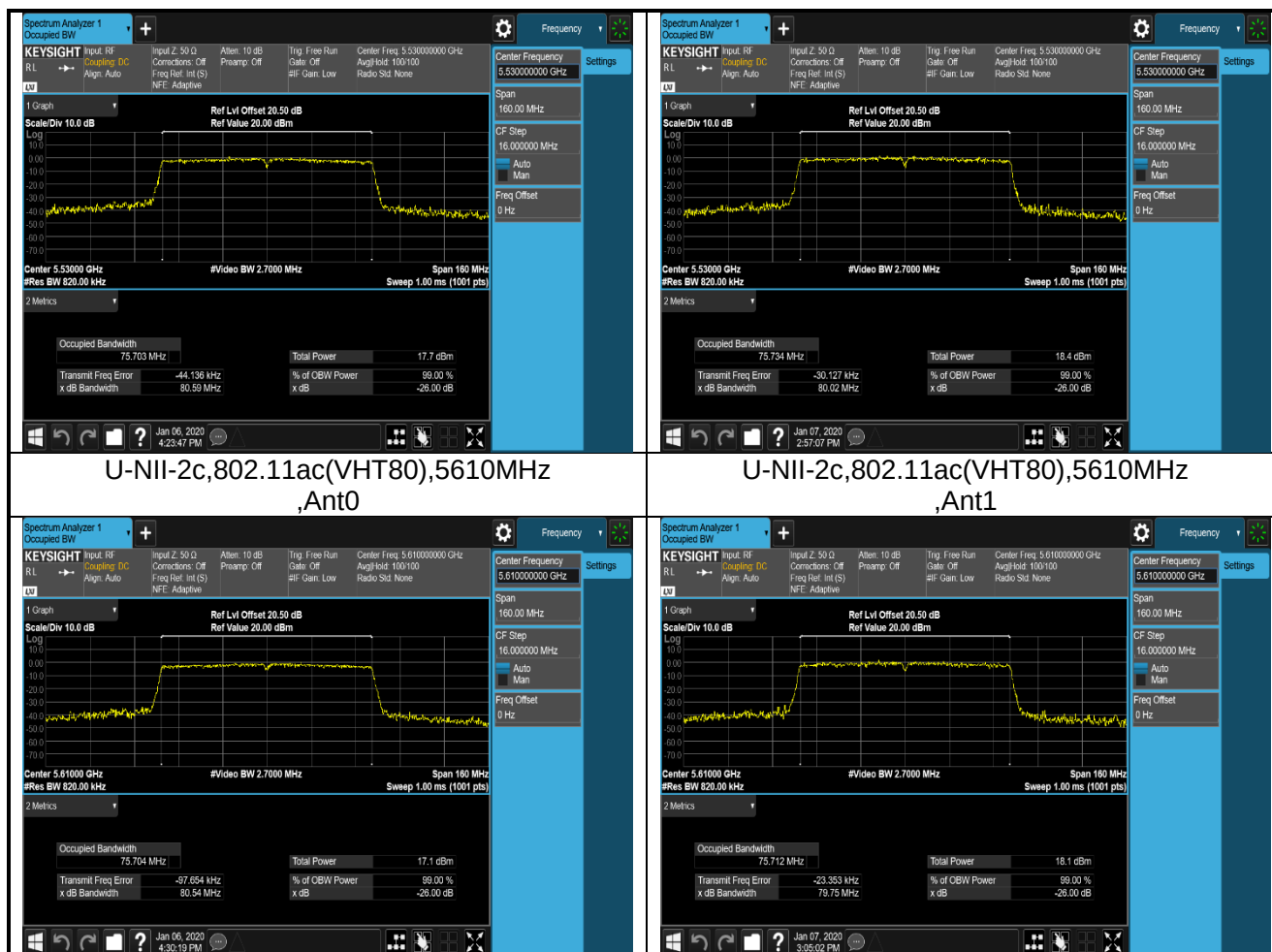
U-NII-2c,802.11n(HT40),5670MHz
,Ant1



U-NII-2c,802.11ac(VHT80),5530MHz
,Ant0



U-NII-2c,802.11ac(VHT80),5530MHz
,Ant1

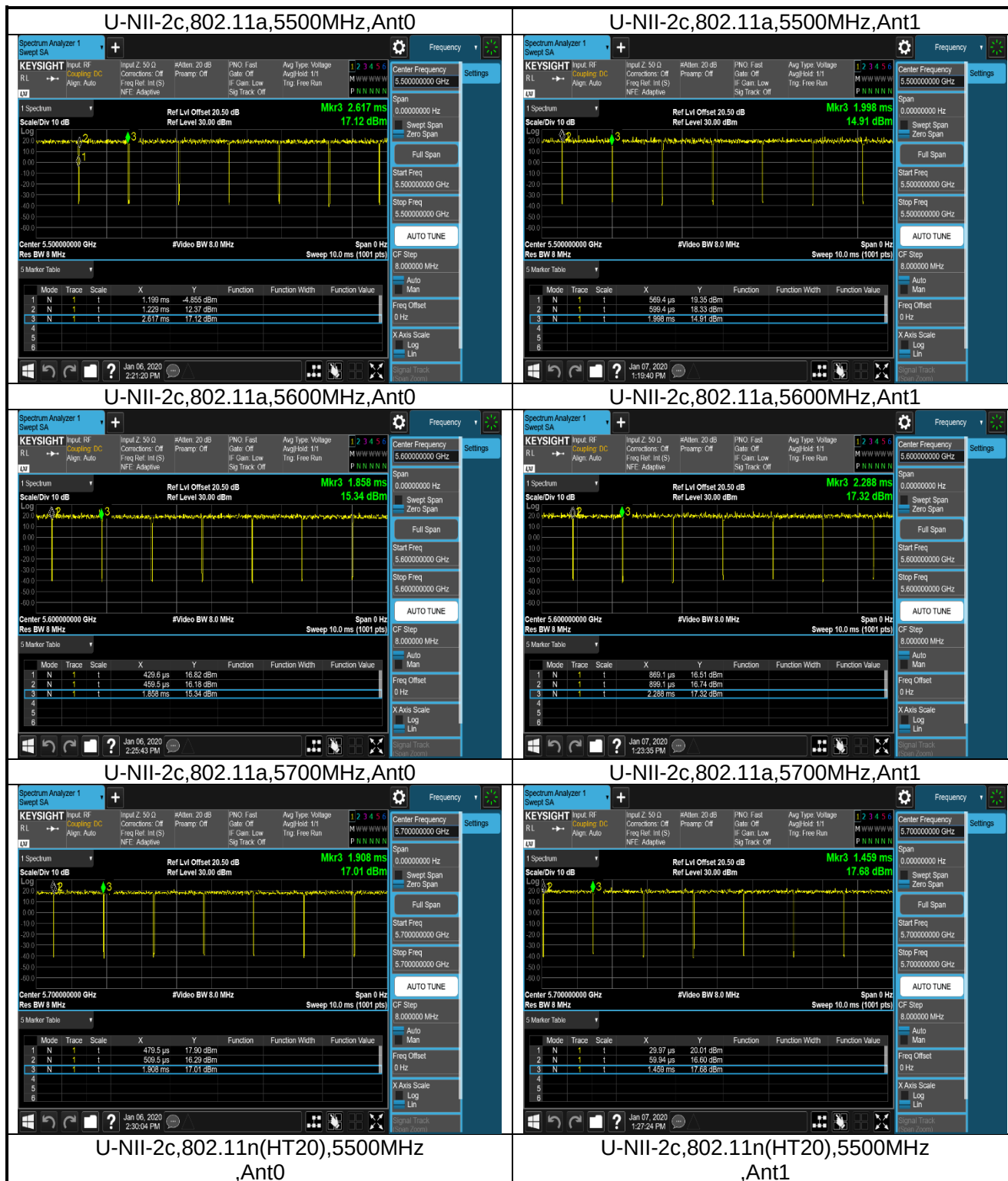


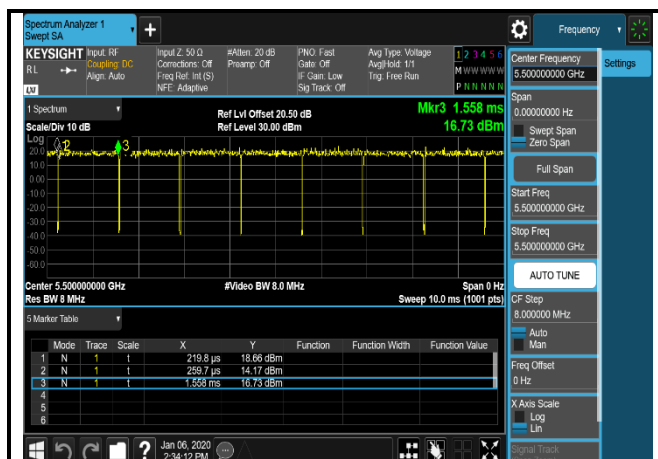
3. Duty Cycle

3.1 Test Data

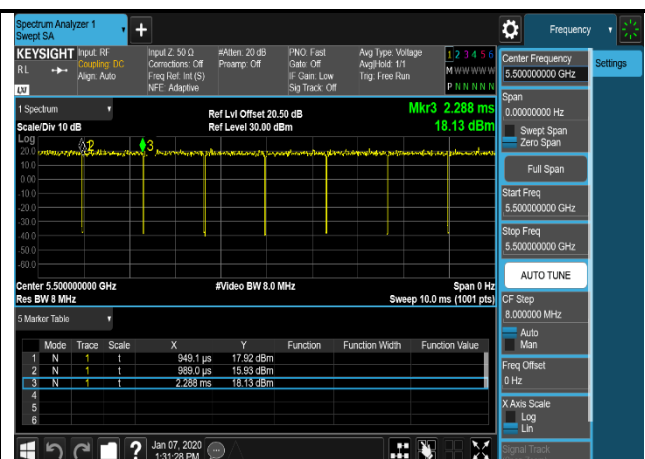
U-NII-2c Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5500	Ant0	97.89	0.09
802.11a	5500	Ant1	97.90	0.09
802.11a	5600	Ant0	97.90	0.09
802.11a	5600	Ant1	97.89	0.09
802.11a	5700	Ant0	97.90	0.09
802.11a	5700	Ant1	97.90	0.09
802.11n (HT20)	5500	Ant0	97.01	0.13
802.11n (HT20)	5500	Ant1	97.01	0.13
802.11n (HT20)	5600	Ant0	97.01	0.13
802.11n (HT20)	5600	Ant1	97.74	0.10
802.11n (HT20)	5700	Ant0	97.74	0.10
802.11n (HT20)	5700	Ant1	97.01	0.13
802.11n (HT40)	5510	Ant0	94.20	0.26
802.11n (HT40)	5510	Ant1	94.12	0.26
802.11n (HT40)	5590	Ant0	95.59	0.20
802.11n (HT40)	5590	Ant1	95.59	0.20
802.11n (HT40)	5670	Ant0	94.20	0.26
802.11n (HT40)	5670	Ant1	95.59	0.20
802.11ac (VHT80)	5530	Ant0	84.30	0.74
802.11ac (VHT80)	5530	Ant1	84.18	0.75
802.11ac (VHT80)	5610	Ant0	84.18	0.75
802.11ac (VHT80)	5610	Ant1	84.12	0.75

3.2 Test Plots

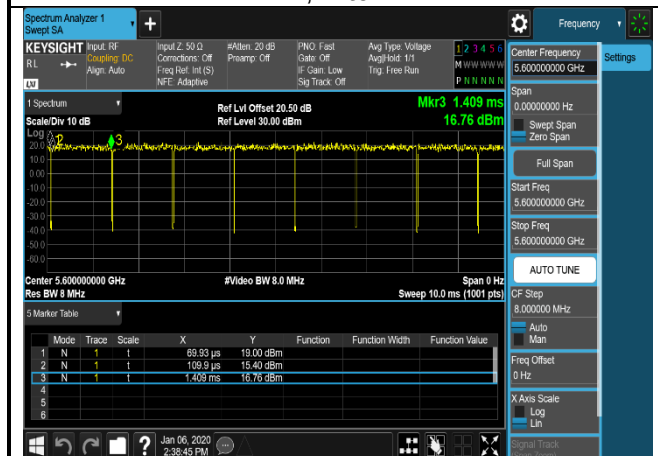




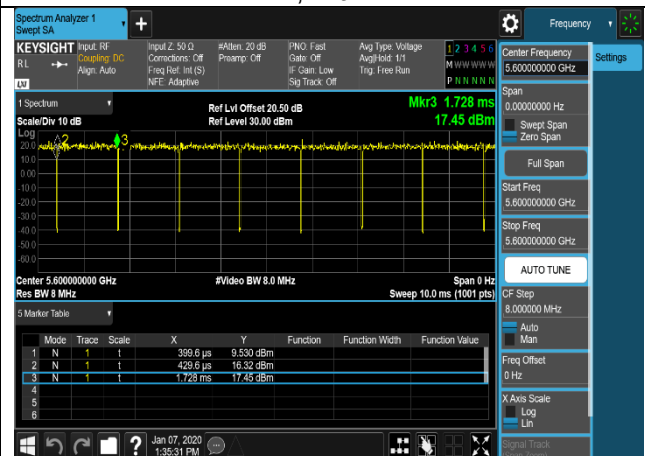
U-NII-2c,802.11n(HT20),5600MHz
,Ant0



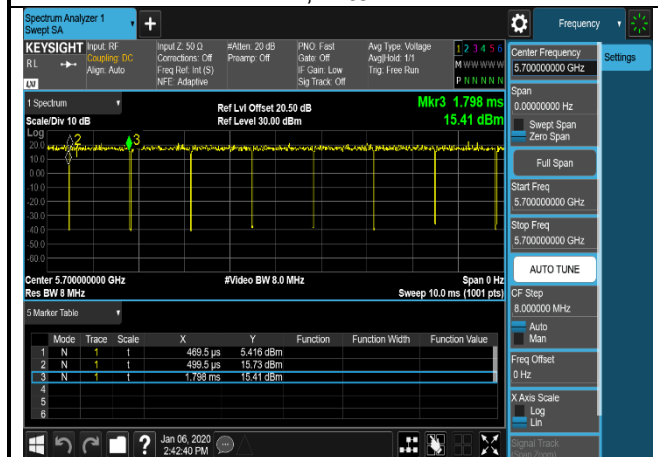
U-NII-2c,802.11n(HT20),5600MHz
,Ant1



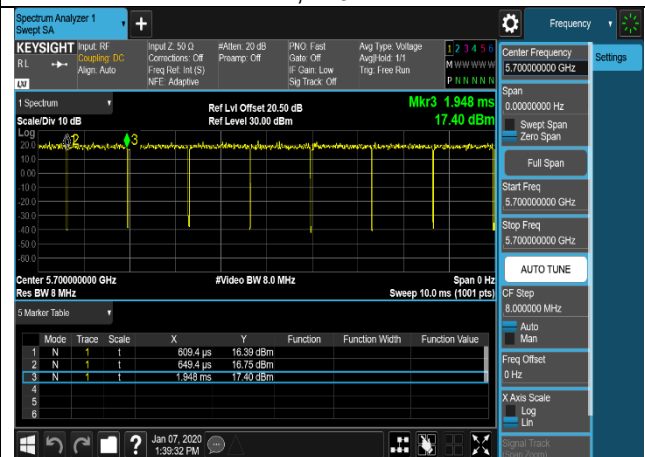
U-NII-2c,802.11n(HT20),5700MHz
,Ant0



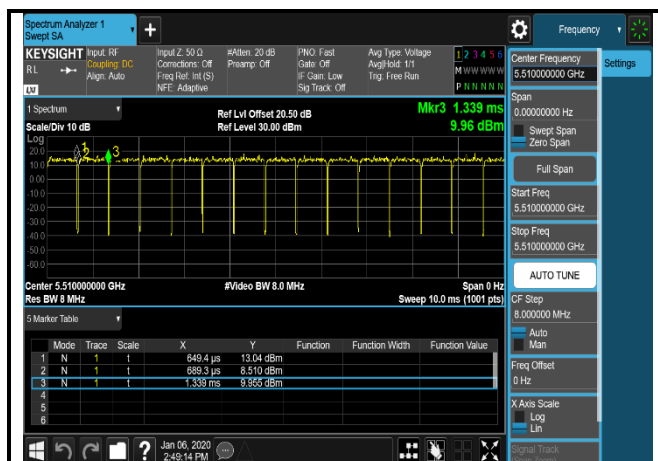
U-NII-2c,802.11n(HT20),5700MHz
,Ant1



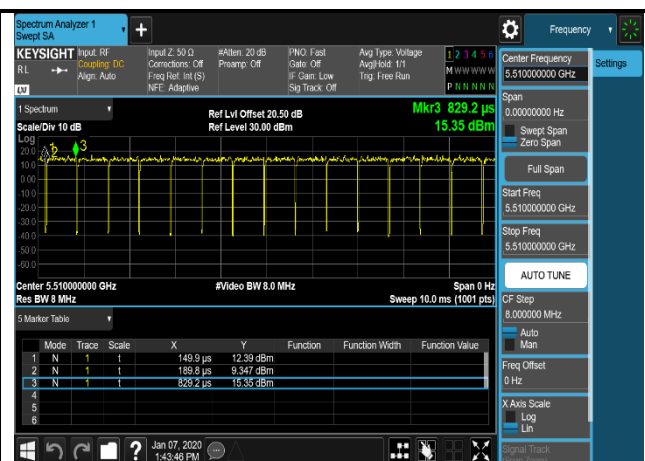
U-NII-2c,802.11n(HT40),5510MHz
,Ant0



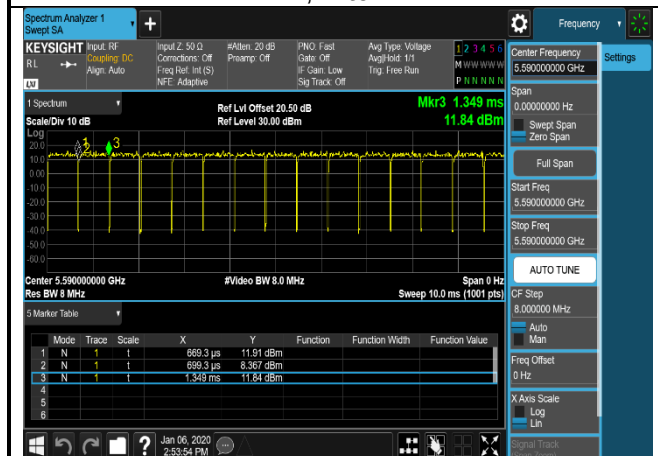
U-NII-2c,802.11n(HT40),5510MHz
,Ant1



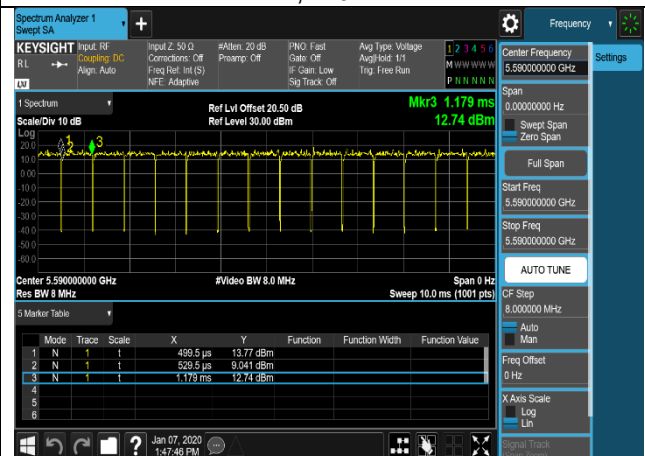
U-NII-2c,802.11n(HT40),5590MHz
,Ant0



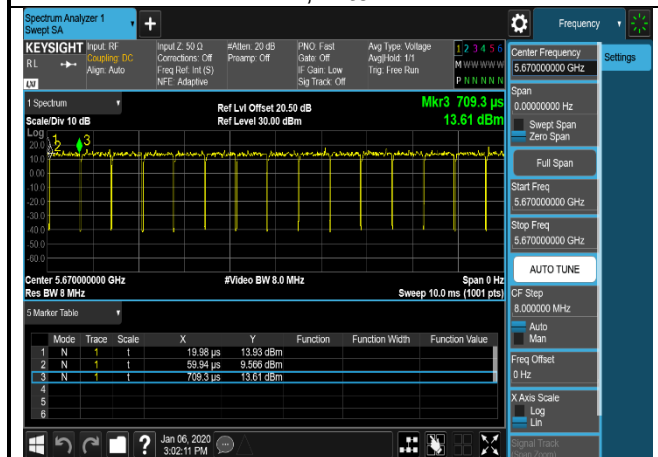
U-NII-2c,802.11n(HT40),5590MHz
,Ant1



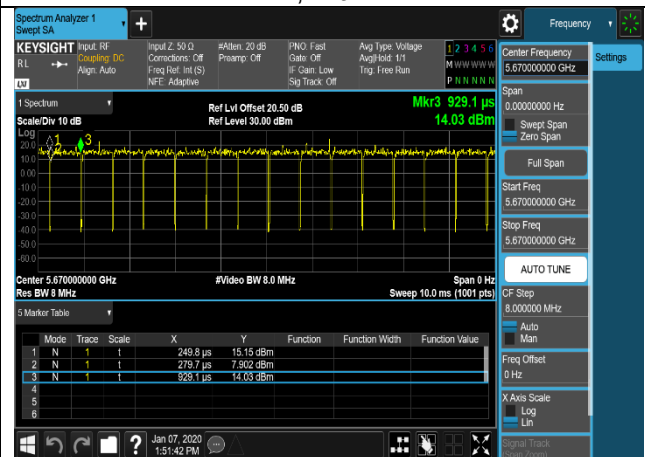
U-NII-2c,802.11n(HT40),5670MHz
,Ant0



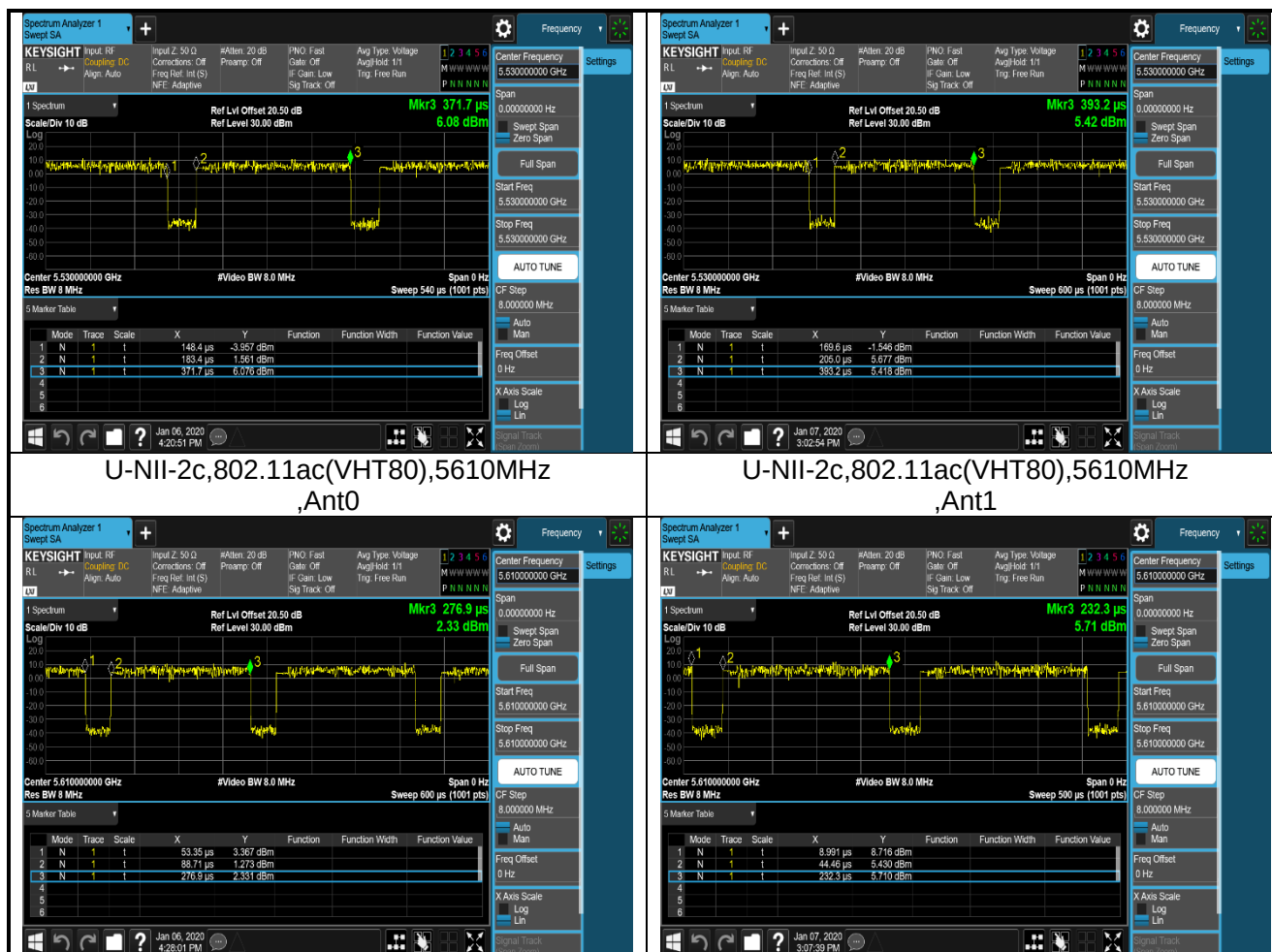
U-NII-2c,802.11n(HT40),5670MHz
,Ant1



U-NII-2c,802.11ac(VHT80),5530MHz
,Ant0



U-NII-2c,802.11ac(VHT80),5530MHz
,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)	Total Power (dBm)	FCC Power Limit (dBm)	IC Power Limit (dBm)	EIRP (dBm)	Result
802.11a	5500	Ant0	0.09	13.86	13.86	24	23	15.47	Pass
802.11a	5500	Ant1	0.09	14.29	14.29	24	23	14.44	Pass
802.11a	5600	Ant0	0.09	13.36	13.36	24	23	14.97	Pass
802.11a	5600	Ant1	0.09	13.87	13.87	24	23	14.02	Pass
802.11a	5700	Ant0	0.09	13.71	13.71	24	23	15.32	Pass
802.11a	5700	Ant1	0.09	14.63	14.63	24	23	14.78	Pass
802.11n (HT20)	5500	Ant0	0.13	13.16	16.44	24	23	17.38	Pass
802.11n (HT20)	5500	Ant1	0.13	13.68					
802.11n (HT20)	5600	Ant0	0.13	12.78	16.04	24	23	16.98	Pass
802.11n (HT20)	5600	Ant1	0.10	13.26					
802.11n (HT20)	5700	Ant0	0.10	13.09	16.61	24	23	17.56	Pass
802.11n (HT20)	5700	Ant1	0.13	14.06					
802.11n (HT40)	5510	Ant0	0.26	12.76	15.90	24	24	16.85	Pass
802.11n (HT40)	5510	Ant1	0.26	13.02					
802.11n (HT40)	5590	Ant0	0.20	11.91	15.32	24	24	16.26	Pass
802.11n (HT40)	5590	Ant1	0.20	12.67					
802.11n (HT40)	5670	Ant0	0.26	12.39	15.64	24	24	16.58	Pass
802.11n (HT40)	5670	Ant1	0.20	12.85					
802.11ac (VHT80)	5530	Ant0	0.74	9.40	12.64	24	24	13.58	Pass
802.11ac (VHT80)	5530	Ant1	0.75	9.85					
802.11ac (VHT80)	5610	Ant0	0.75	9.10	12.39	24	24	13.33	Pass
802.11ac (VHT80)	5610	Ant1	0.75	9.64					