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Appendix for 15.407

1. Bandwidth

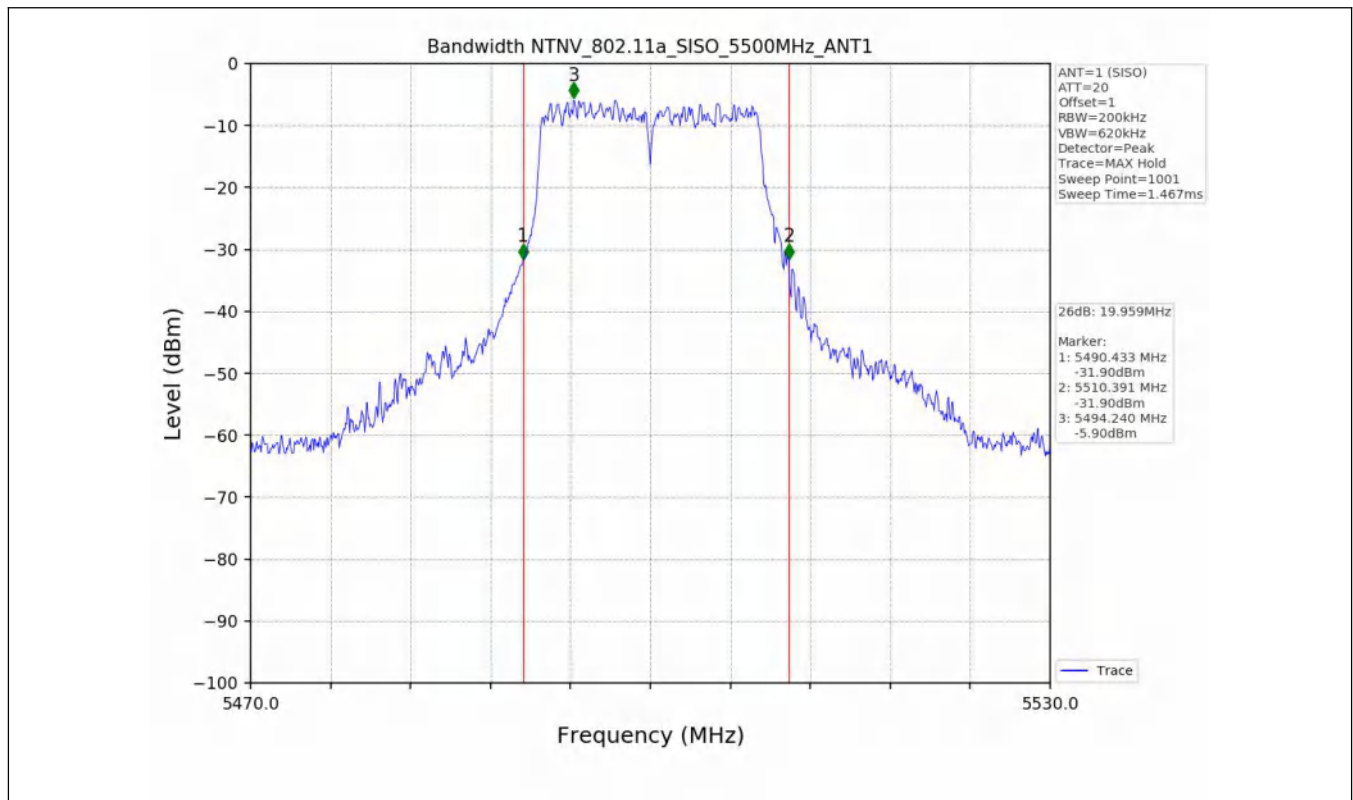
1.1 Test Result

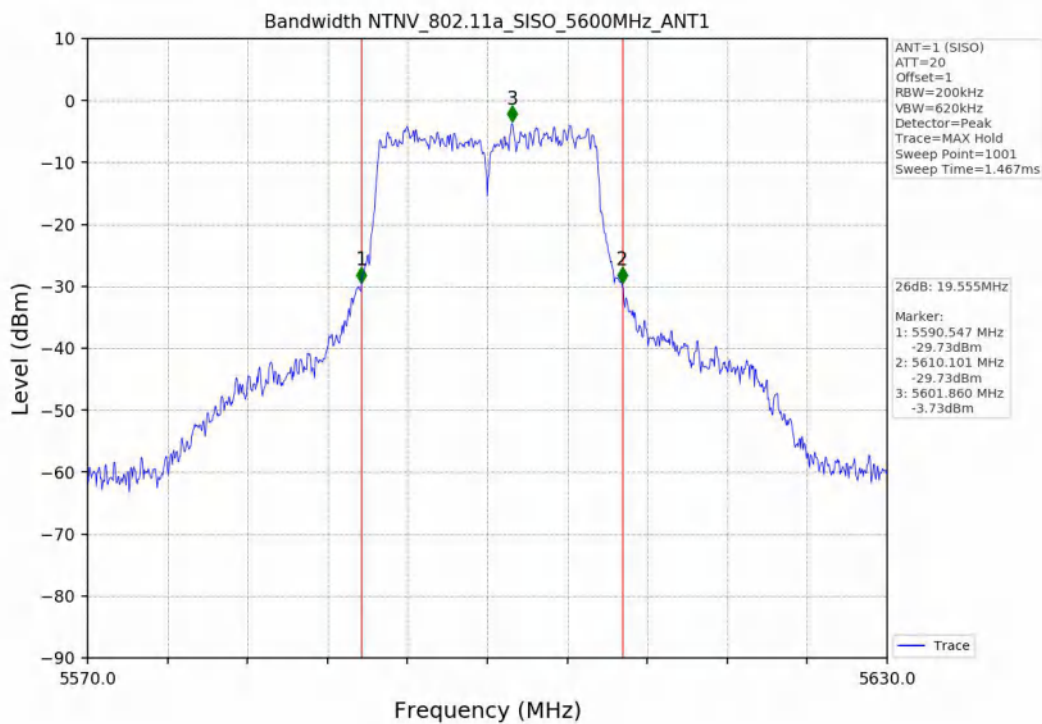
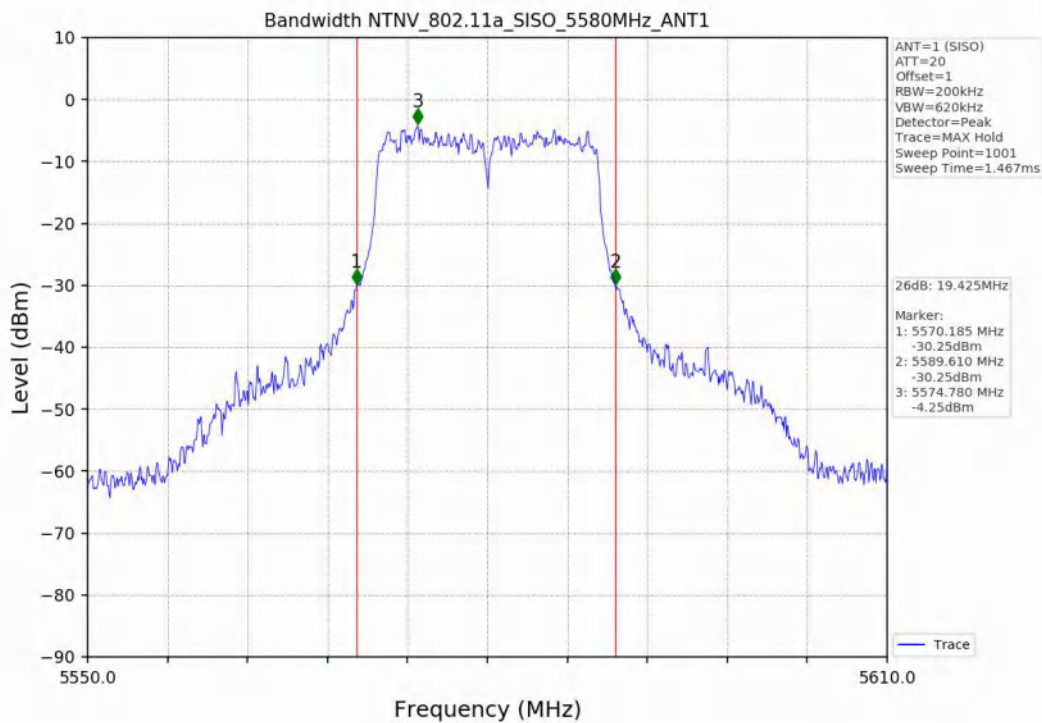
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5500	SISO	1	19.959	Only for Report Use	PASS
	5580	SISO	1	19.425	Only for Report Use	PASS
	5600	SISO	1	19.555	Only for Report Use	PASS
	5700	SISO	1	19.582	Only for Report Use	PASS
802.11n(HT20)	5500	SISO	1	20.791	Only for Report Use	PASS
	5580	SISO	1	21.043	Only for Report Use	PASS
	5600	SISO	1	20.896	Only for Report Use	PASS
	5700	SISO	1	20.573	Only for Report Use	PASS
802.11n(HT40)	5510	SISO	1	41.505	Only for Report Use	PASS
	5550	SISO	1	41.592	Only for Report Use	PASS
	5590	SISO	1	42.487	Only for Report Use	PASS
	5670	SISO	1	40.844	Only for Report Use	PASS
802.11ac(VHT20)	5500	SISO	1	20.331	Only for Report Use	PASS
	5580	SISO	1	19.901	Only for Report Use	PASS
	5600	SISO	1	20.158	Only for Report Use	PASS
	5700	SISO	1	19.835	Only for Report Use	PASS
802.11ac(VHT40)	5510	SISO	1	41.493	Only for Report Use	PASS
	5550	SISO	1	42.115	Only for Report Use	PASS
	5590	SISO	1	41.719	Only for Report Use	PASS
	5670	SISO	1	41.344	Only for Report Use	PASS
802.11ac(VHT80)	5530	SISO	1	81.589	Only for Report Use	PASS
	5610	SISO	1	81.181	Only for Report Use	PASS

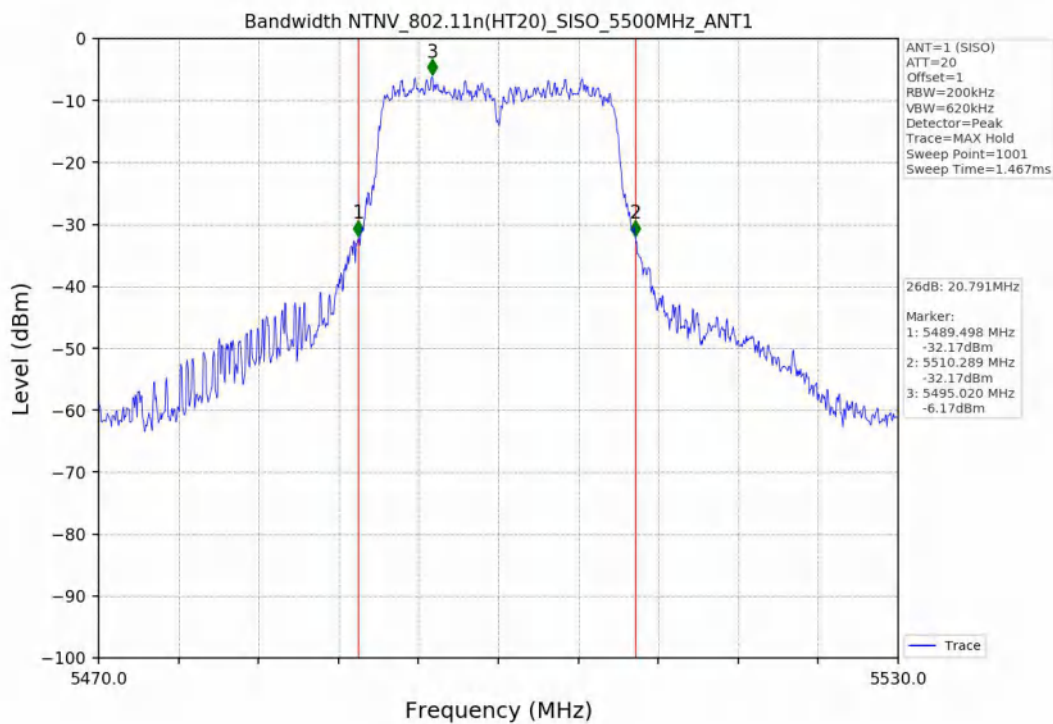
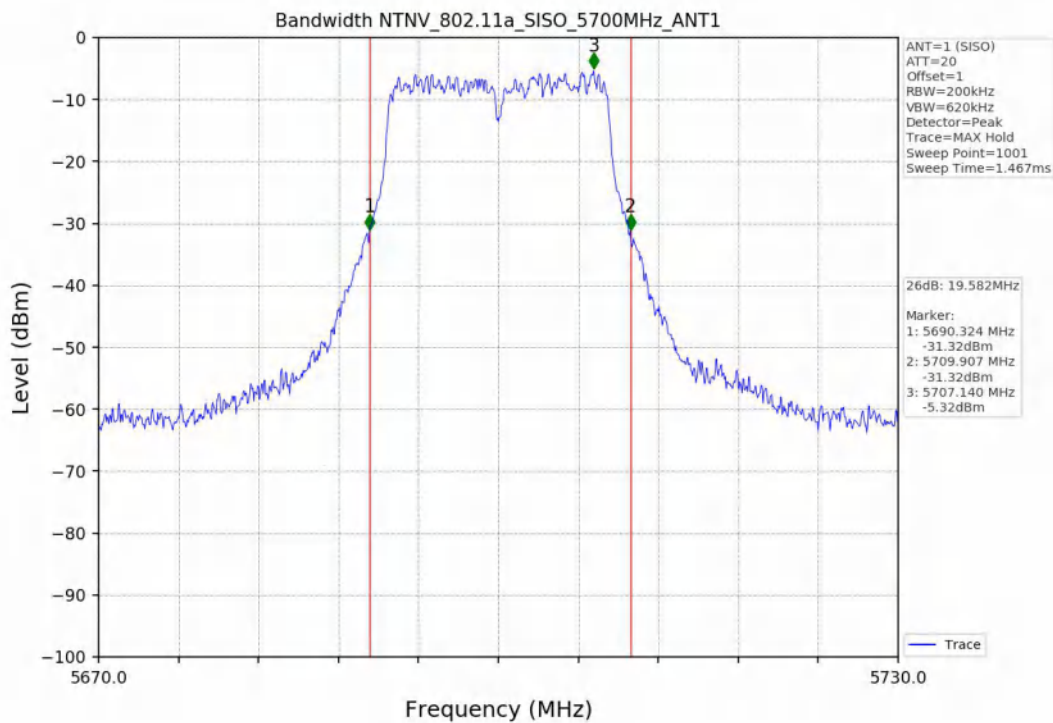
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth
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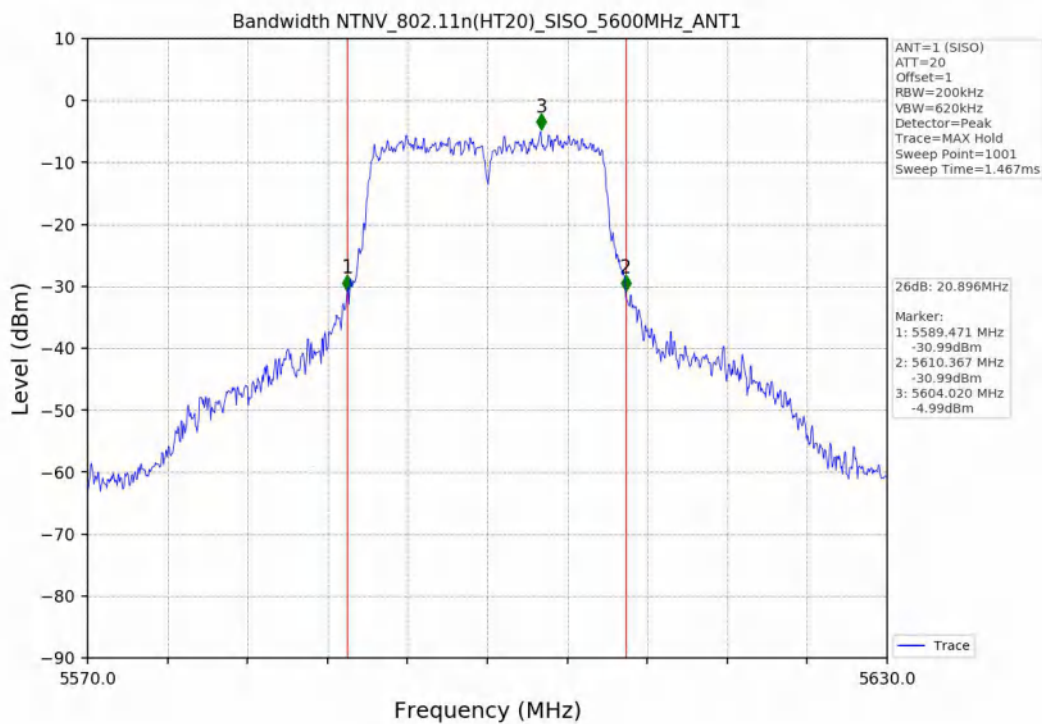
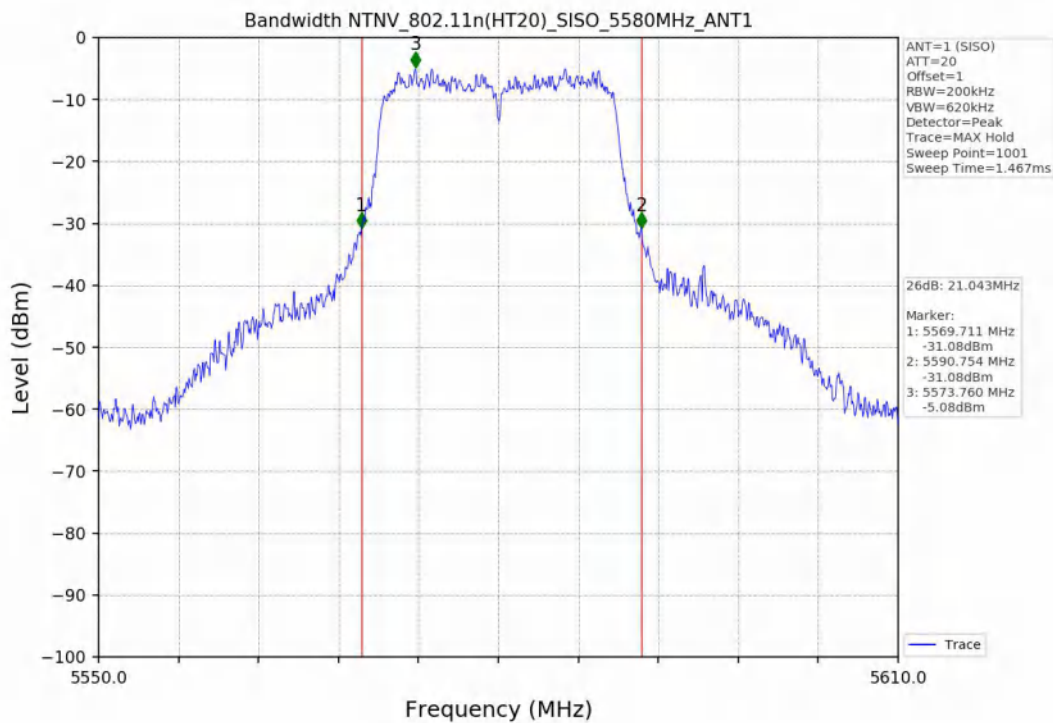
				Test Result (MHz)	
802.11a	5500	SISO	1	16.669	Only for Report Use
	5580	SISO	1	16.606	Only for Report Use
	5600	SISO	1	16.610	Only for Report Use
	5700	SISO	1	16.569	Only for Report Use
802.11n(HT20)	5500	SISO	1	17.848	Only for Report Use
	5580	SISO	1	17.726	Only for Report Use
	5600	SISO	1	17.790	Only for Report Use
	5700	SISO	1	17.789	Only for Report Use
802.11n(HT40)	5510	SISO	1	36.629	Only for Report Use
	5550	SISO	1	36.681	Only for Report Use
	5590	SISO	1	36.791	Only for Report Use
	5670	SISO	1	36.229	Only for Report Use
802.11ac(VHT20)	5500	SISO	1	17.736	Only for Report Use
	5580	SISO	1	17.660	Only for Report Use
	5600	SISO	1	17.746	Only for Report Use
	5700	SISO	1	17.737	Only for Report Use
802.11ac(VHT40)	5510	SISO	1	36.563	Only for Report Use
	5550	SISO	1	36.724	Only for Report Use
	5590	SISO	1	36.593	Only for Report Use
	5670	SISO	1	36.336	Only for Report Use
802.11ac(VHT80)	5530	SISO	1	76.004	Only for Report Use
	5610	SISO	1	75.720	Only for Report Use

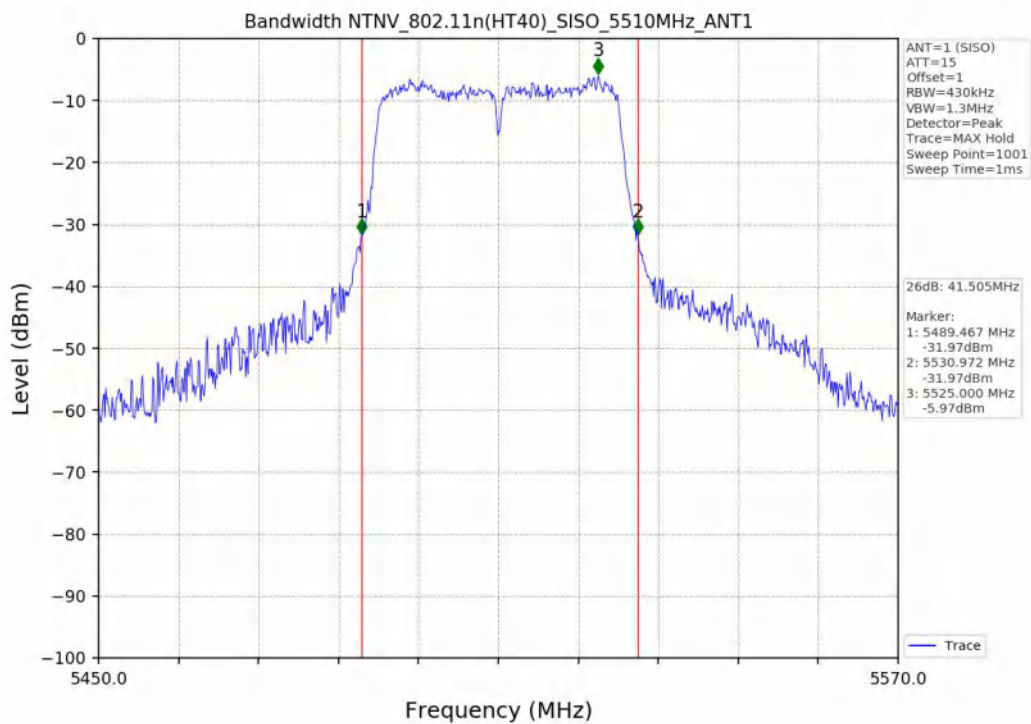
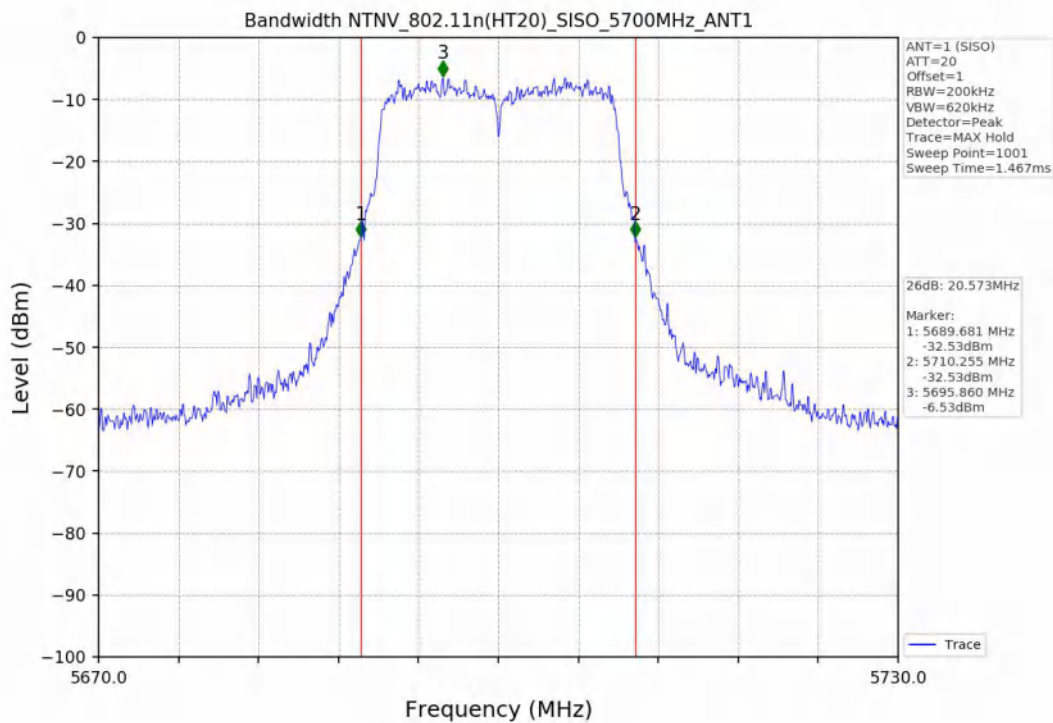
2.2 Test Graph - Emission Bandwidth

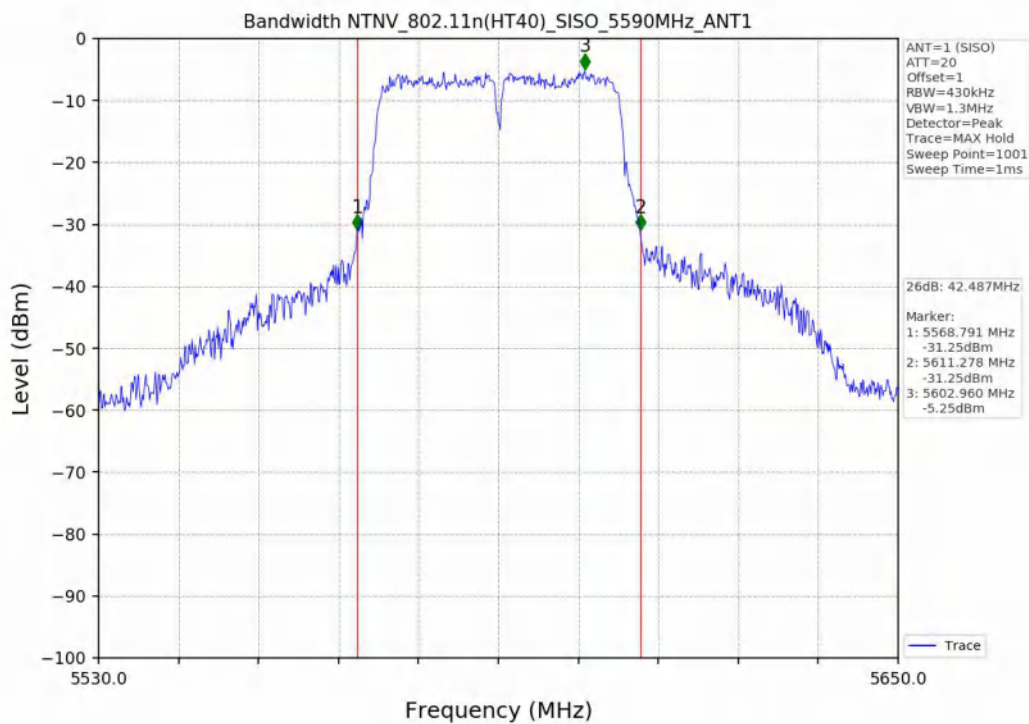
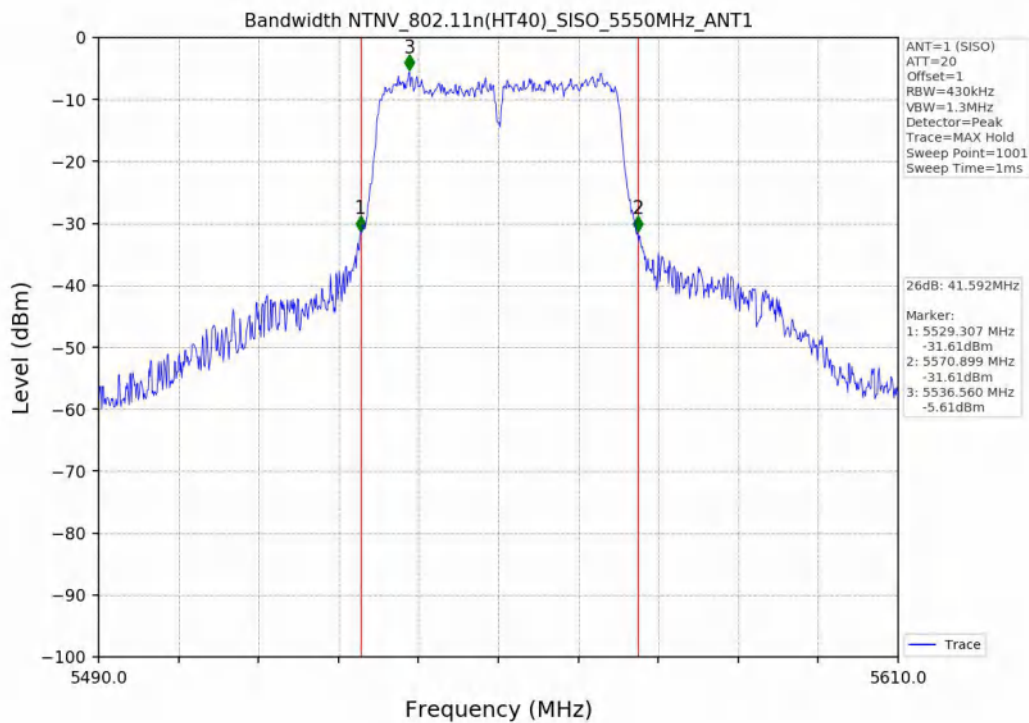


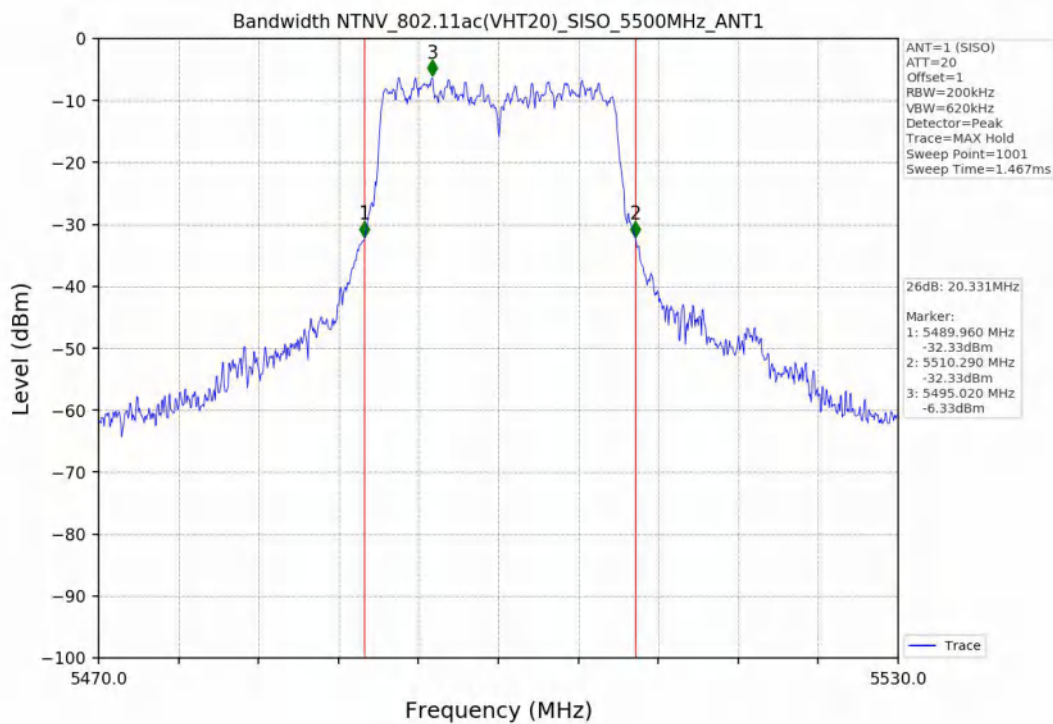
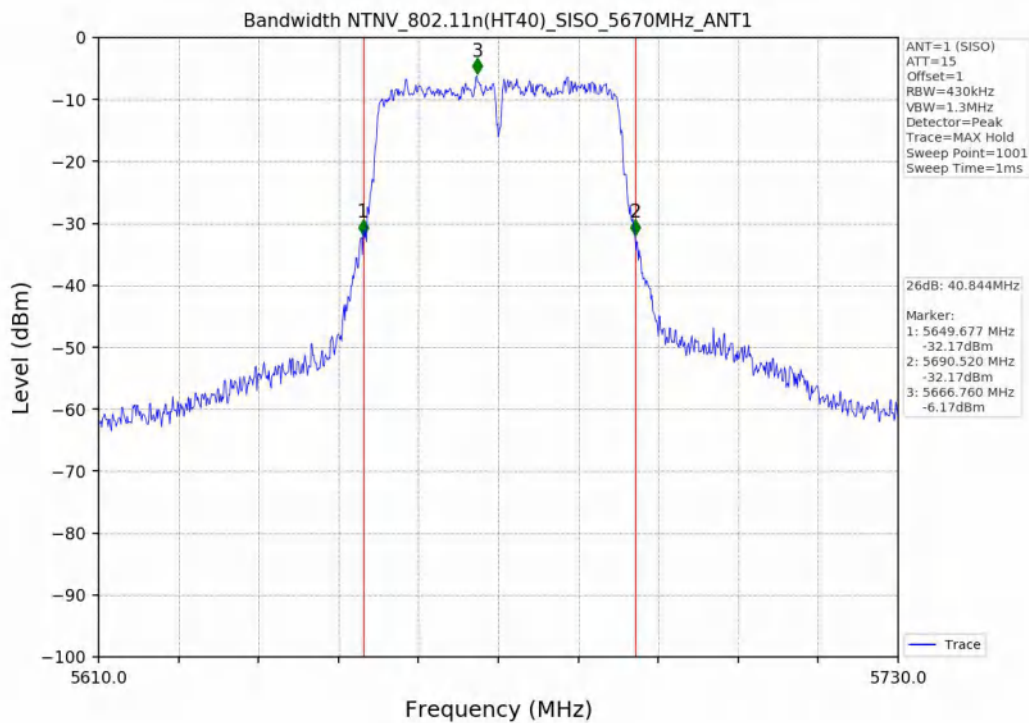


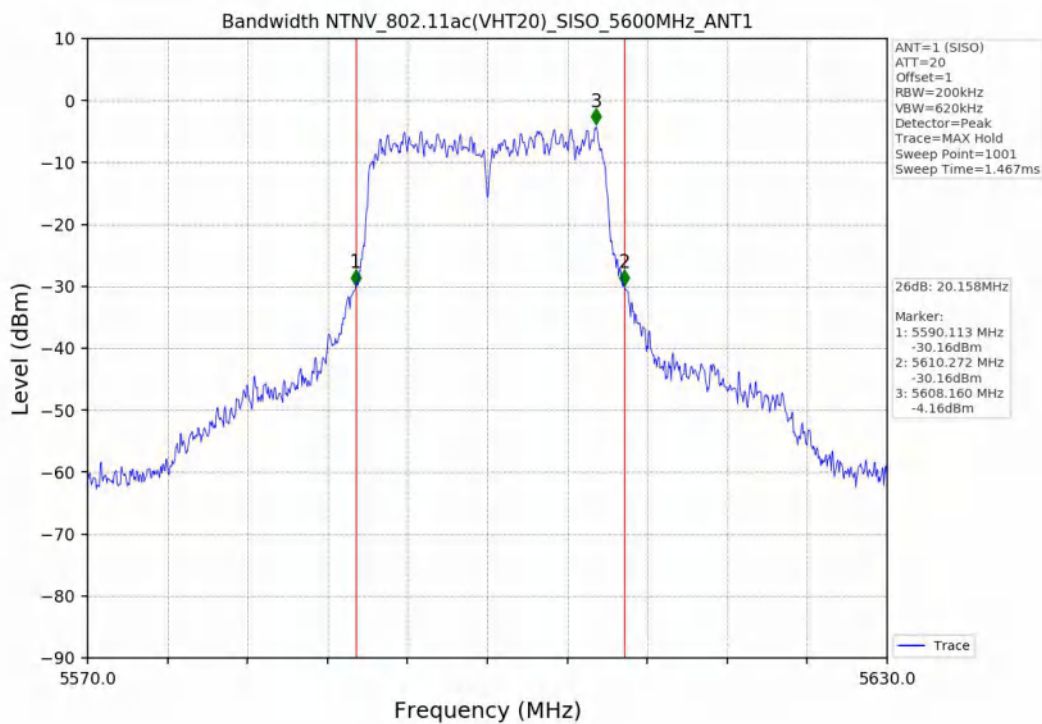
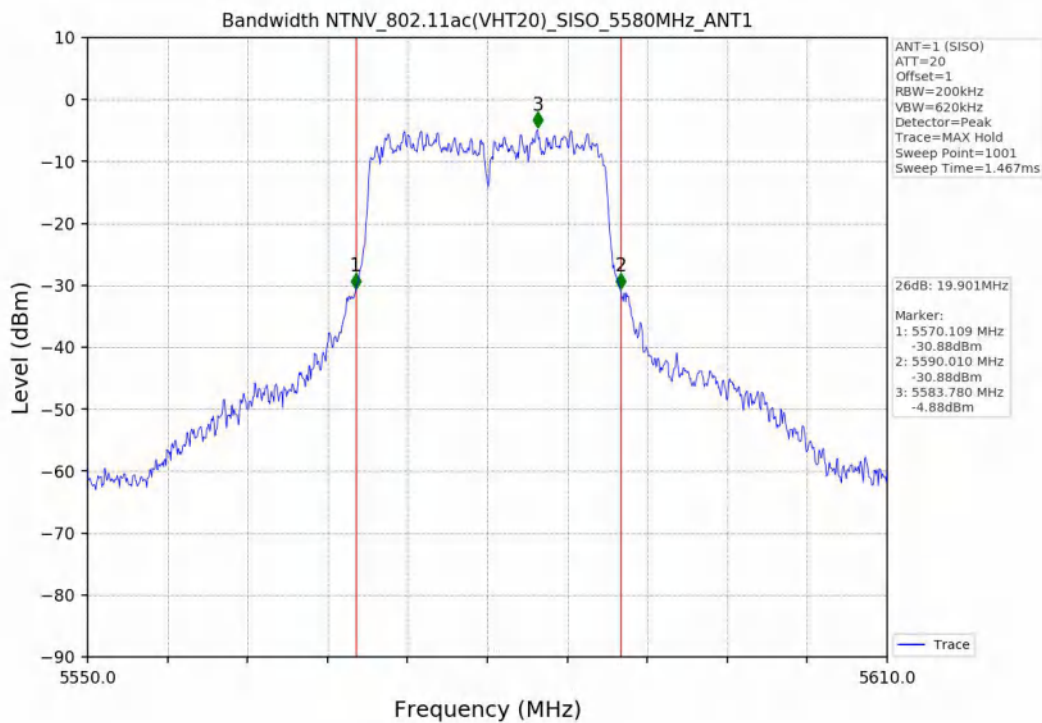


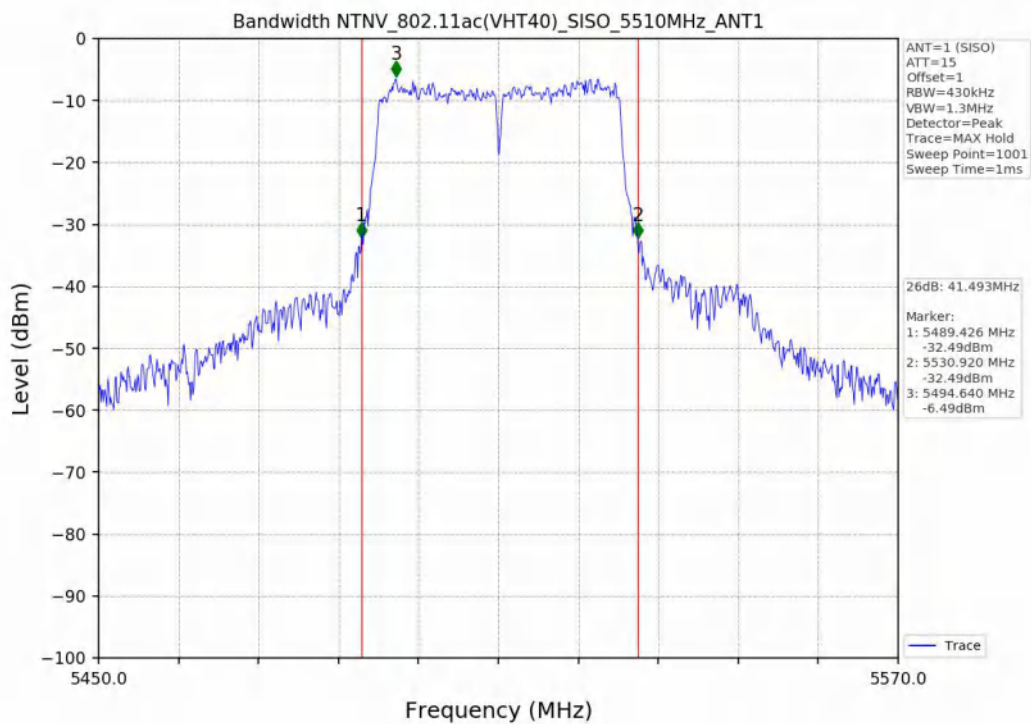
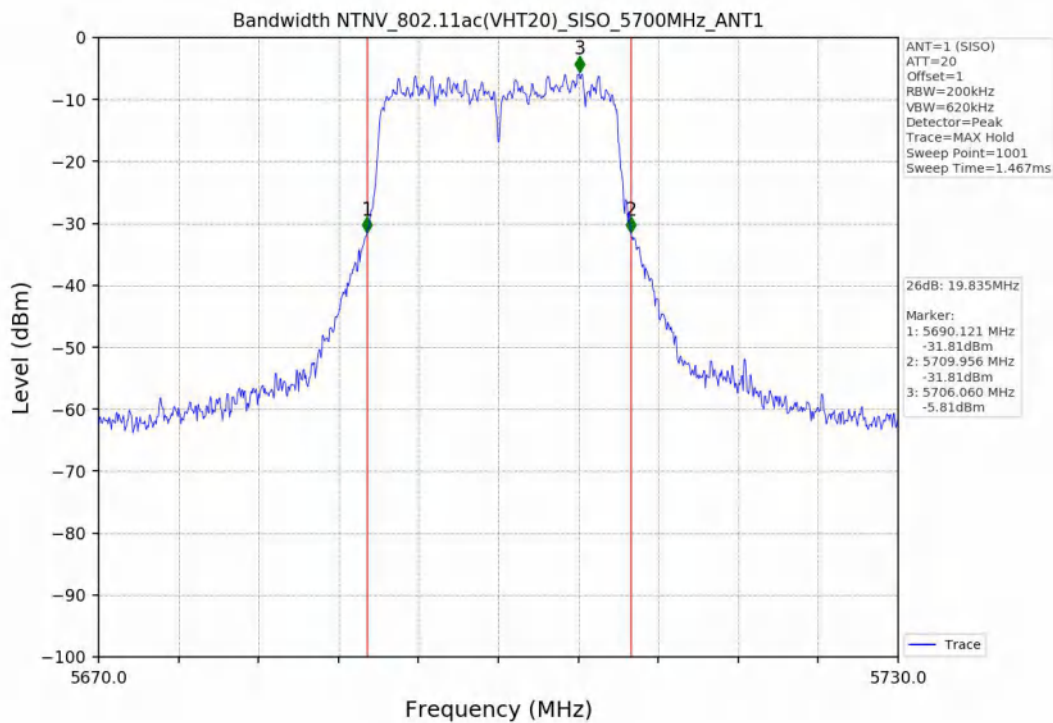


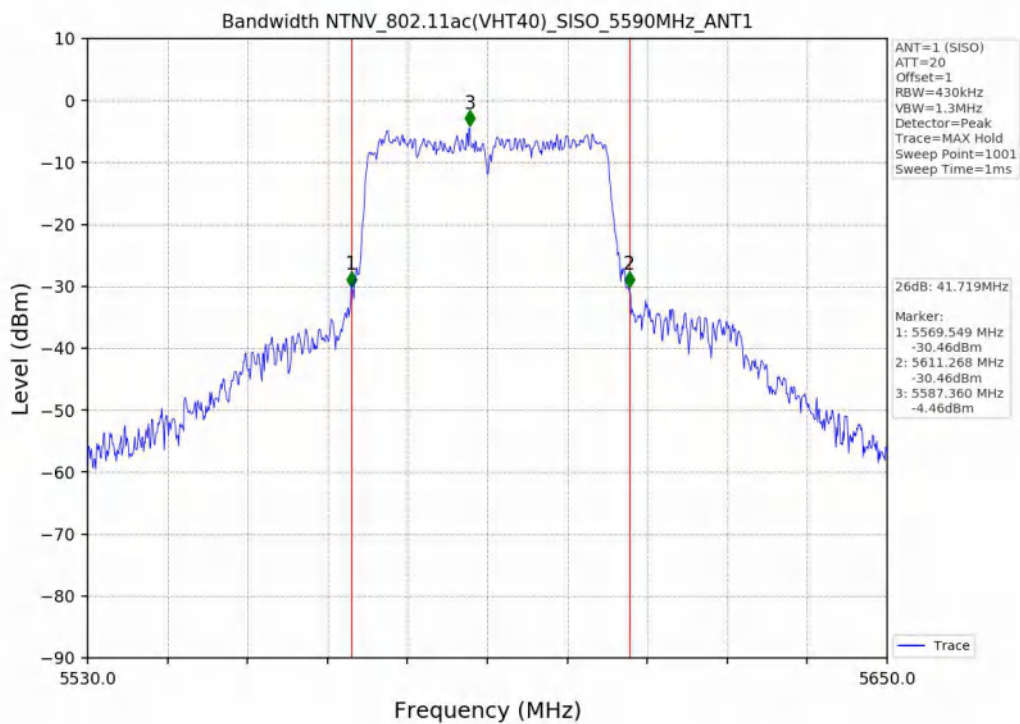
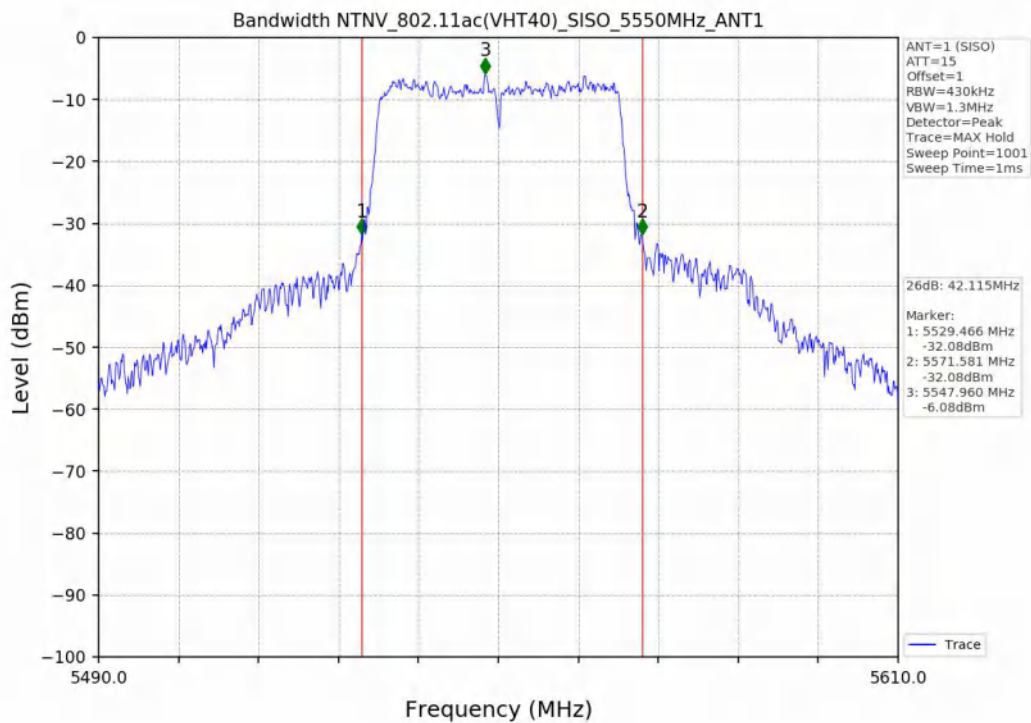


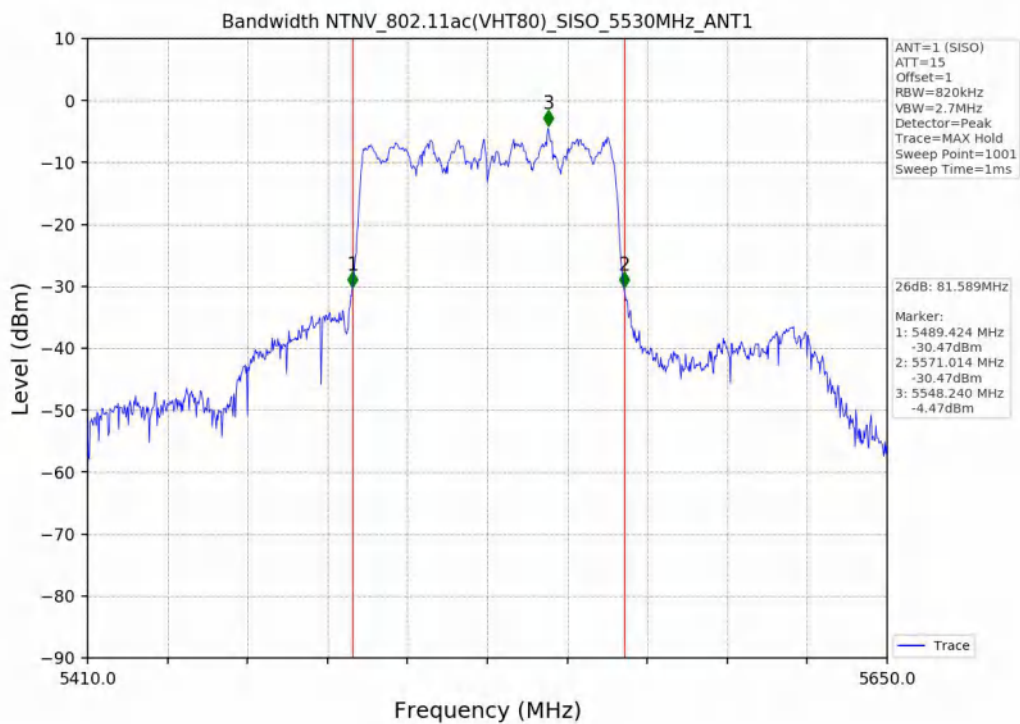
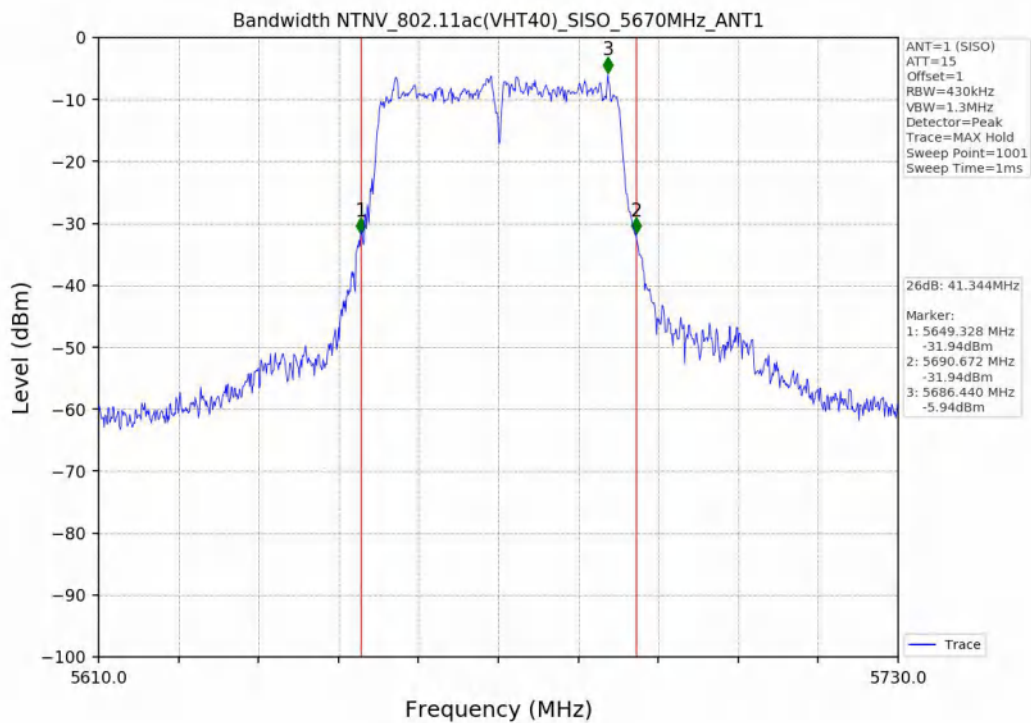


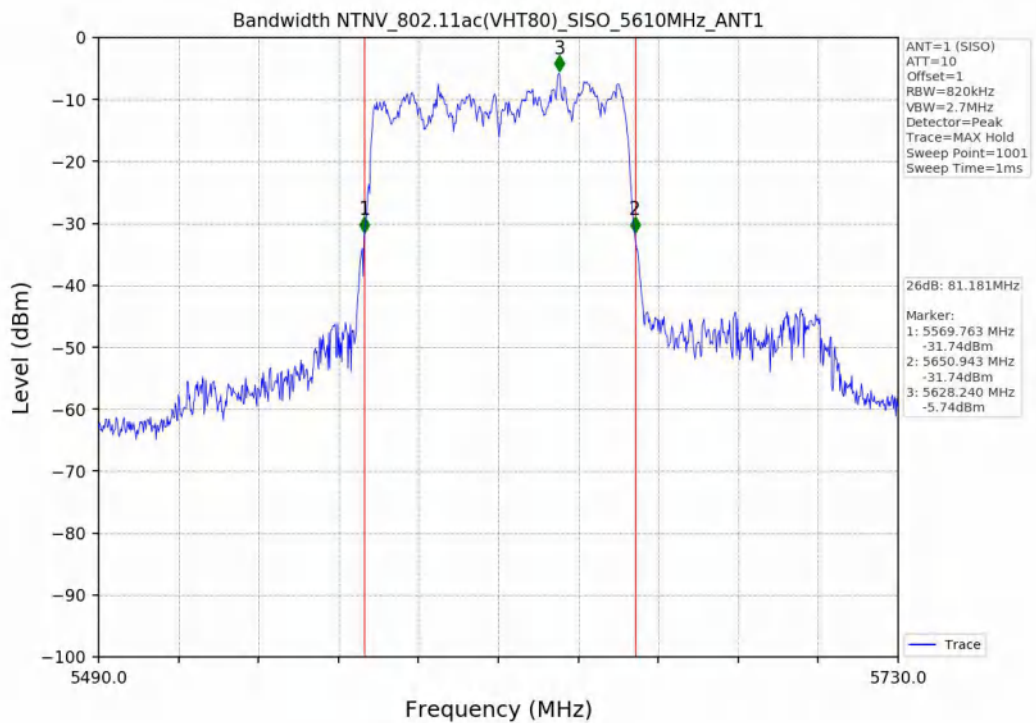




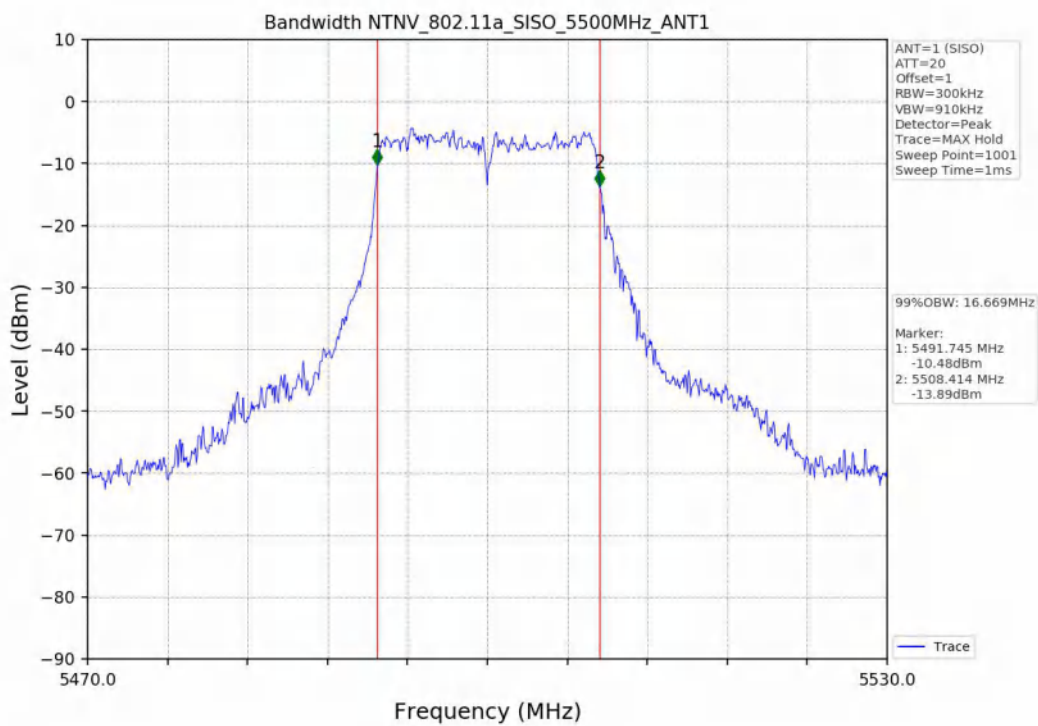


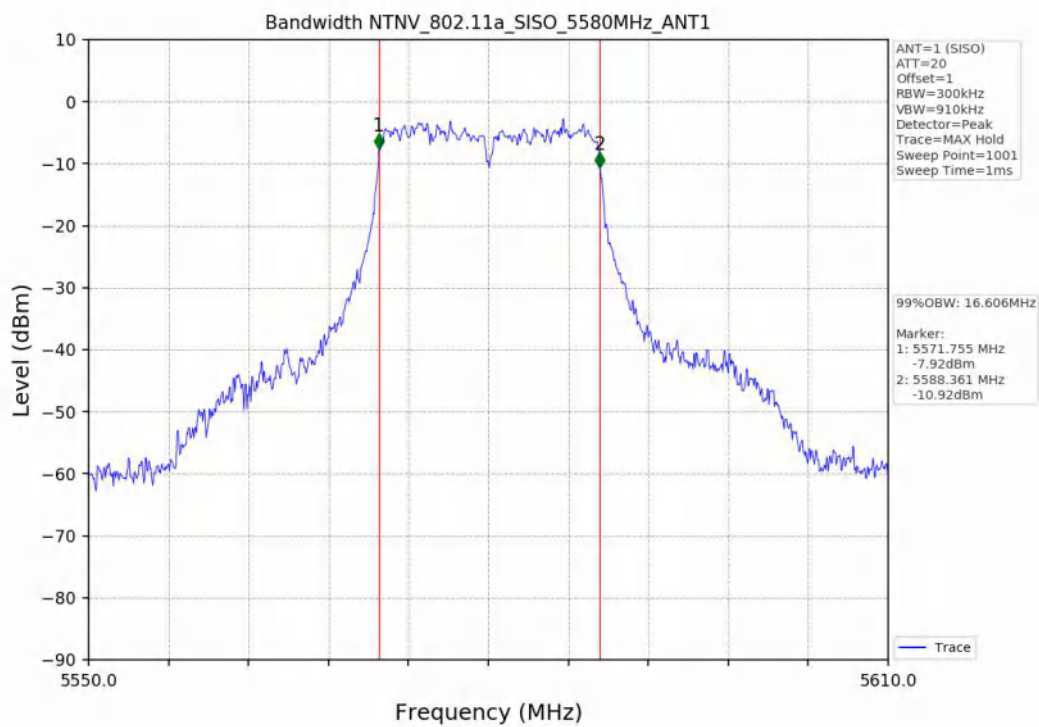


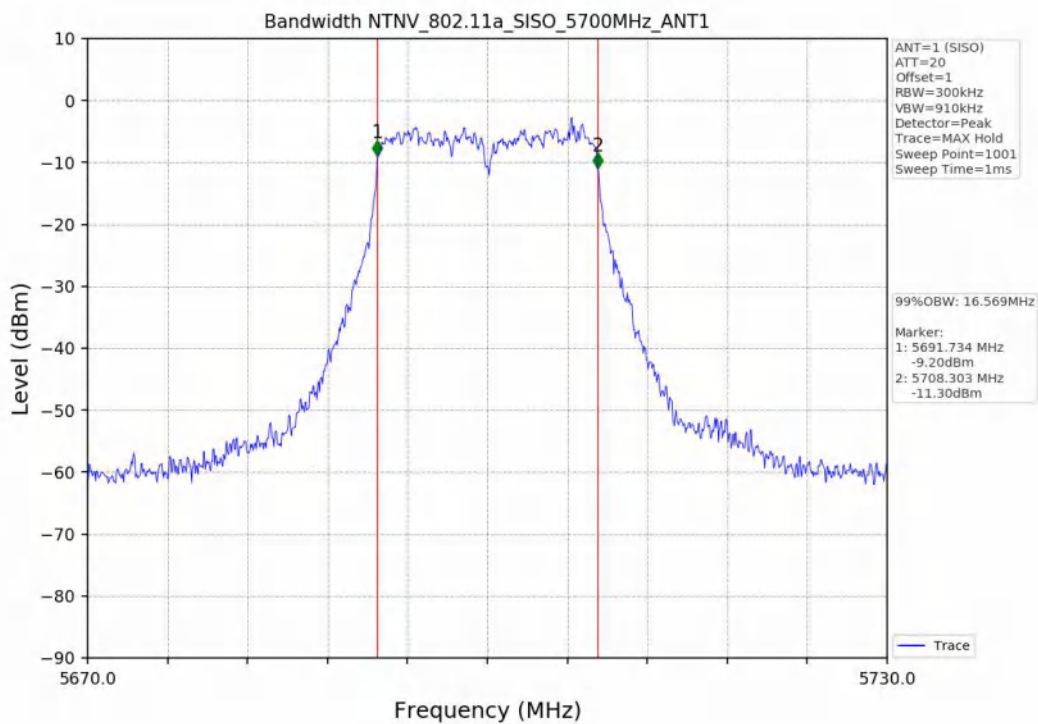
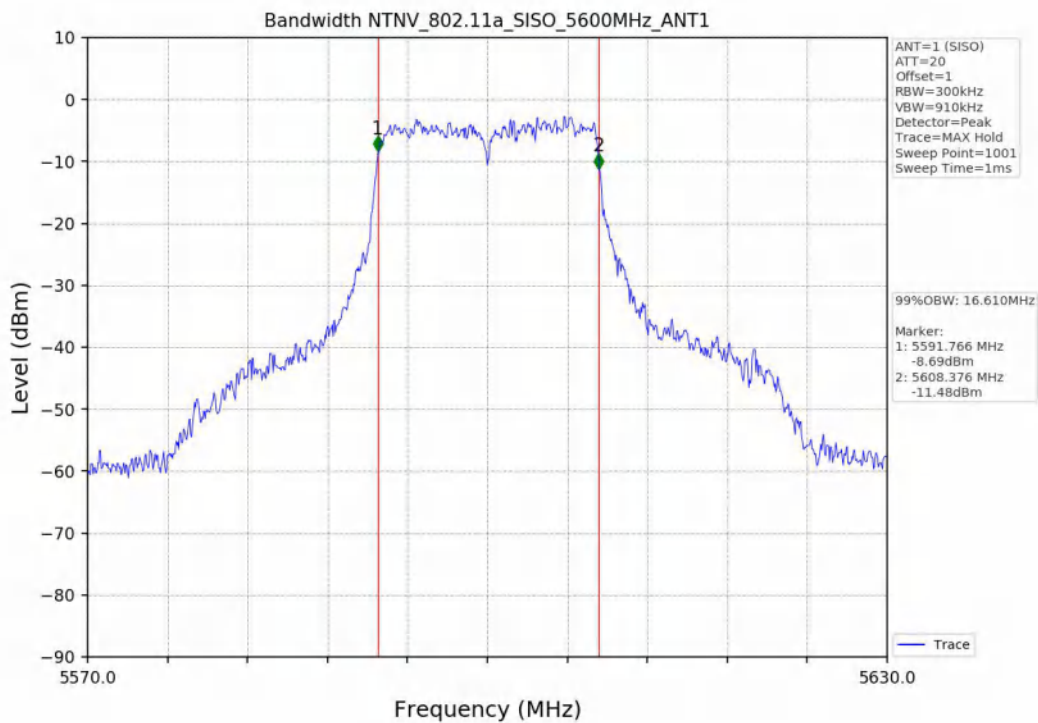


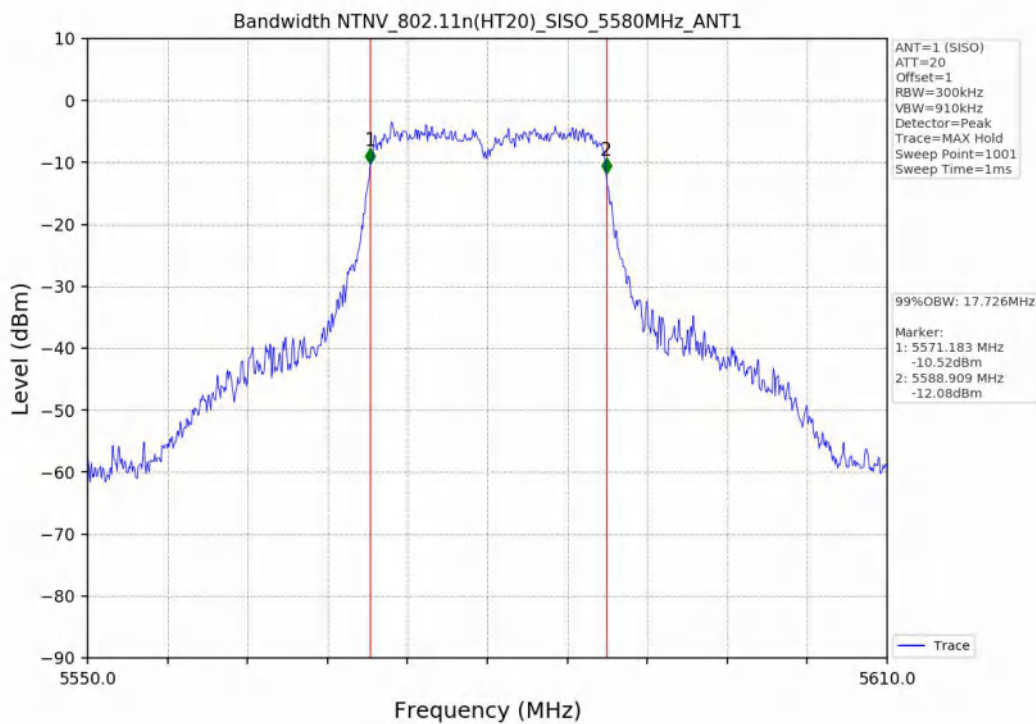
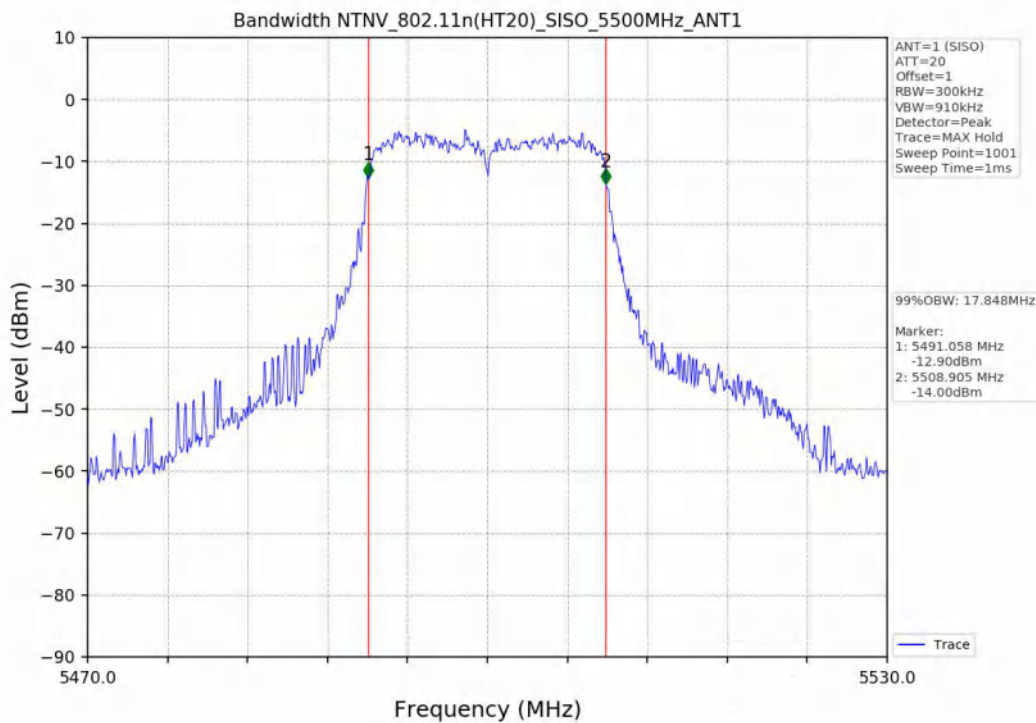


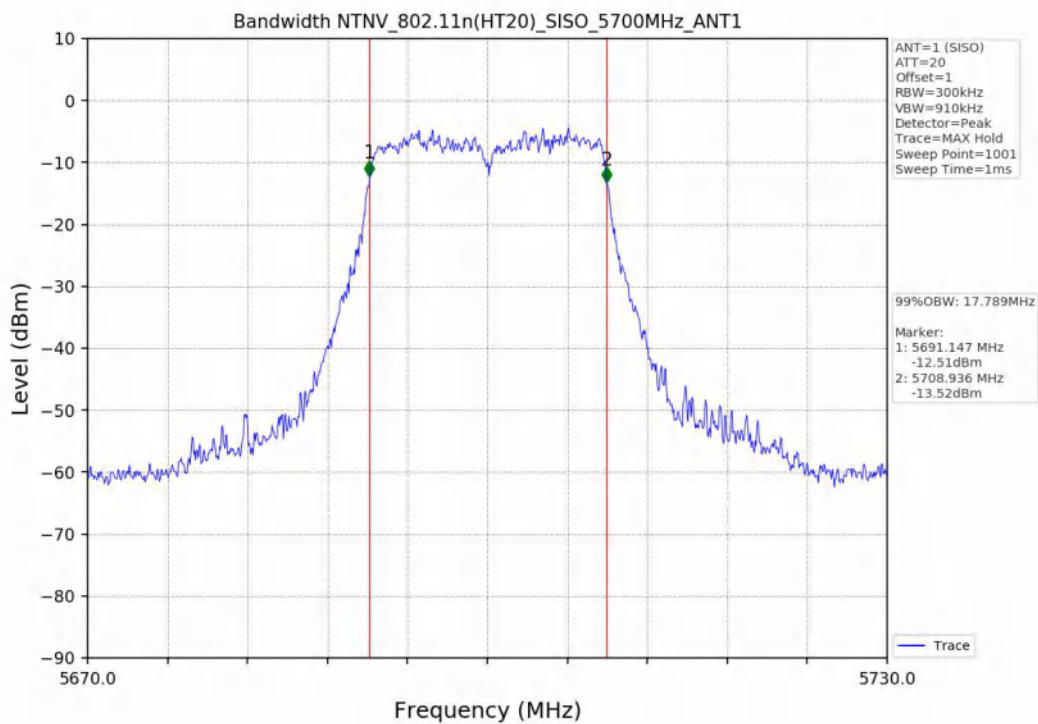
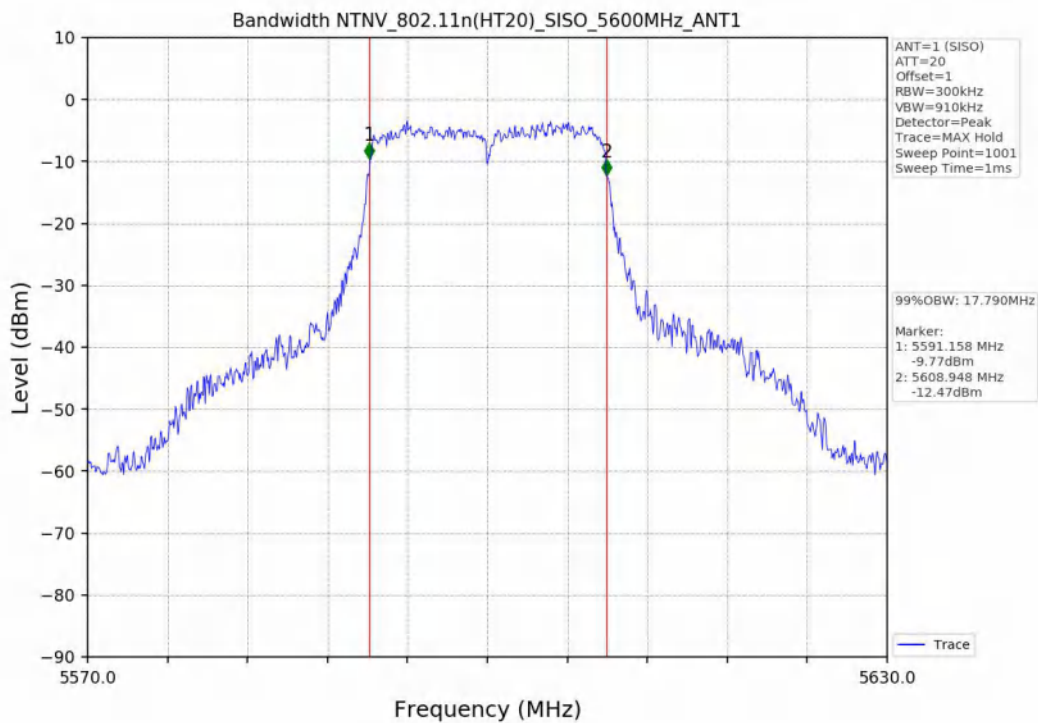
1.3 Test Graph - 99% Occupied Bandwidth

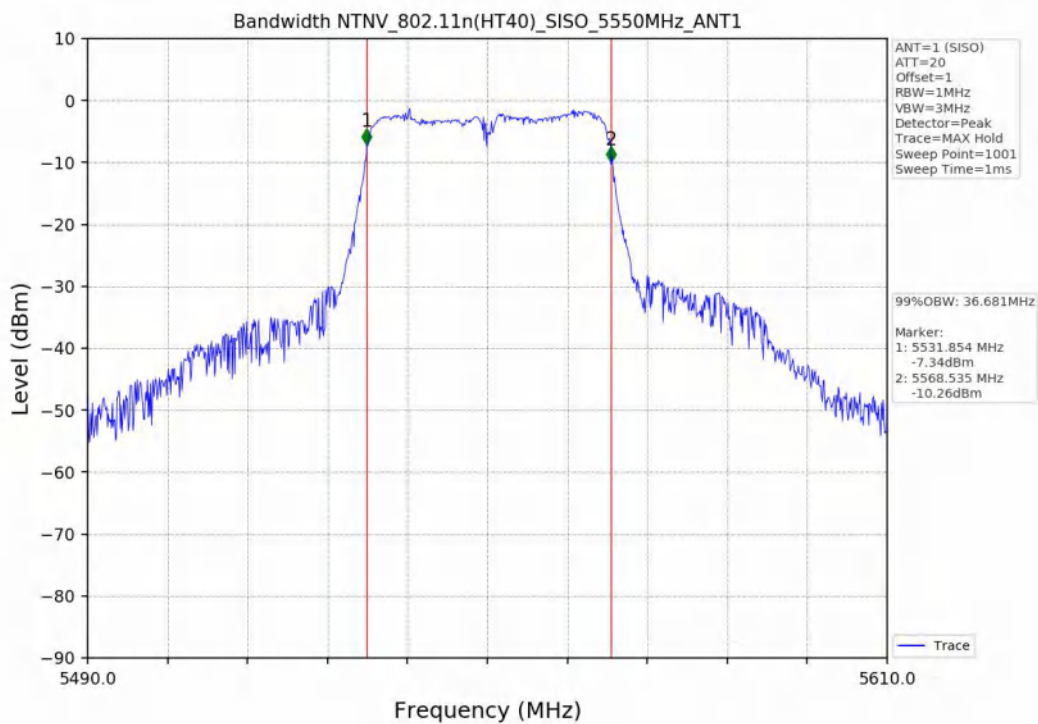
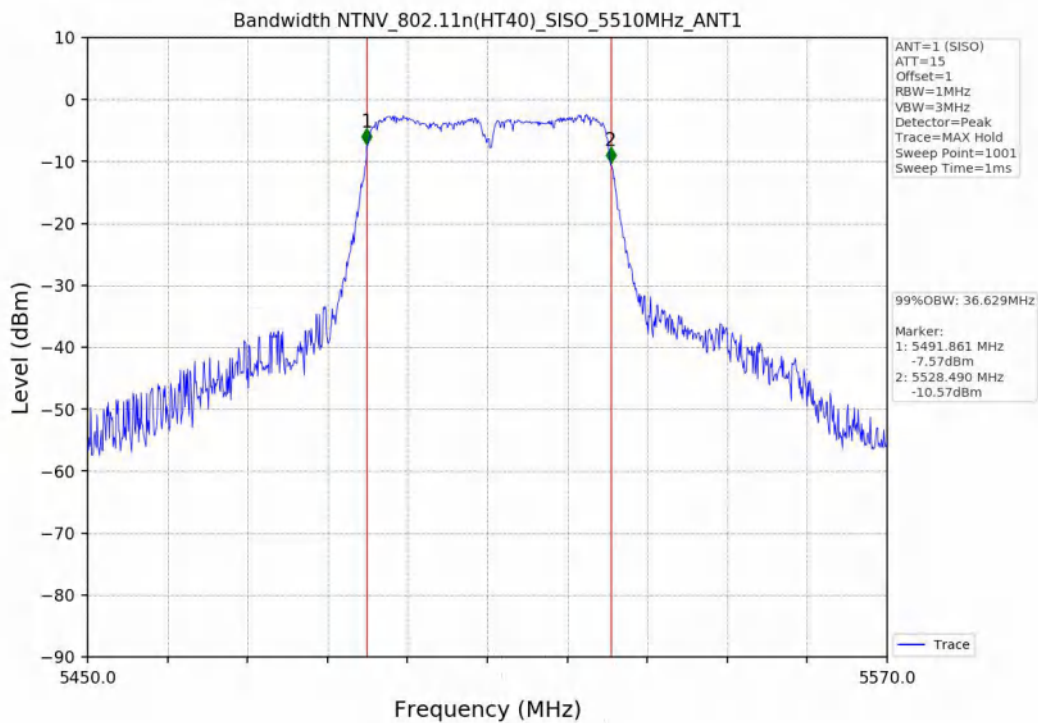


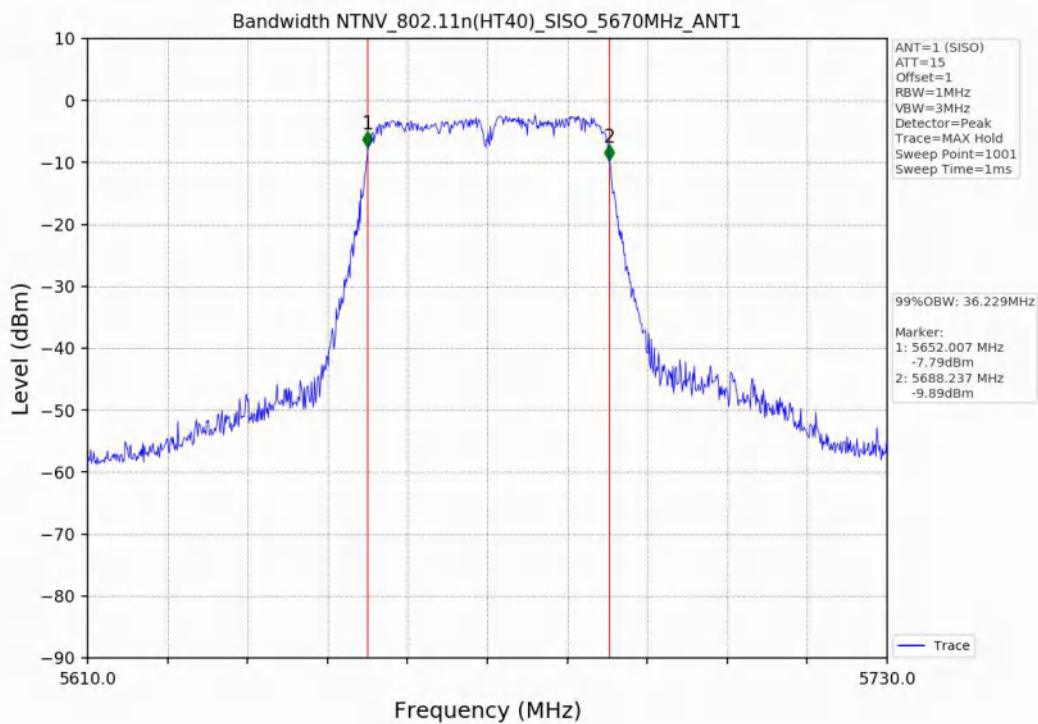
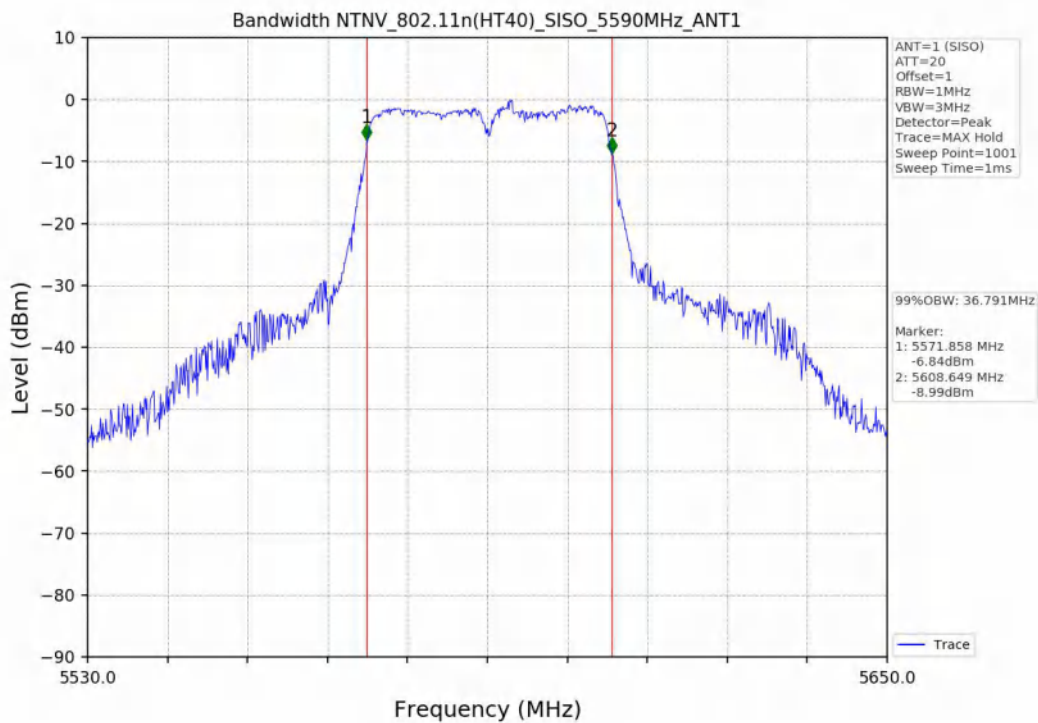


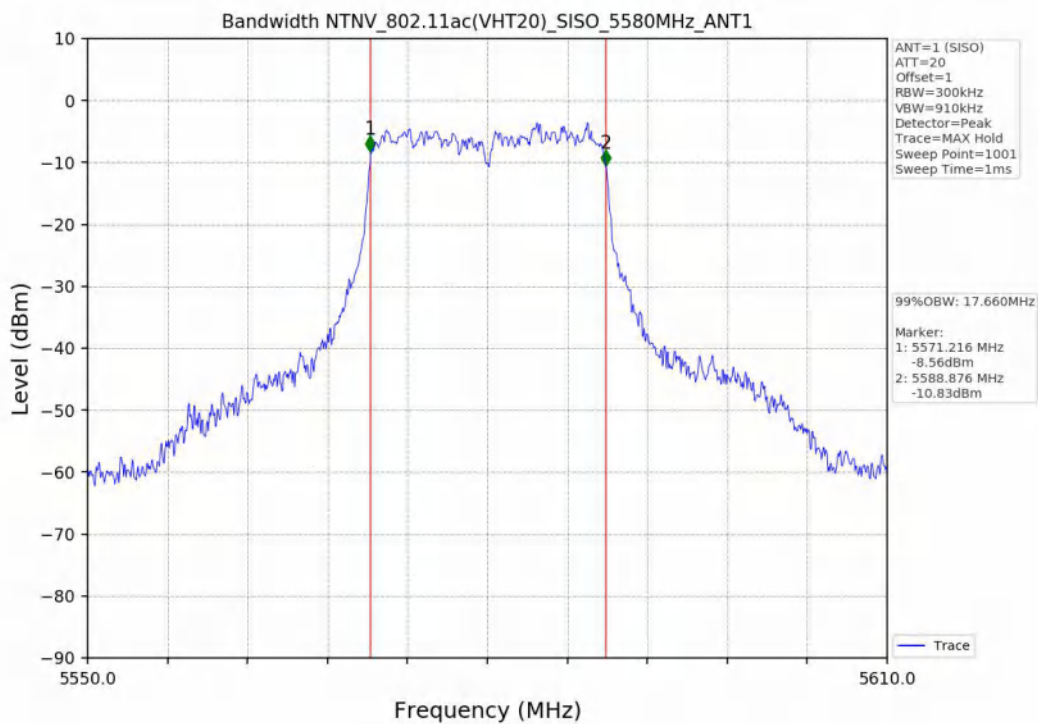
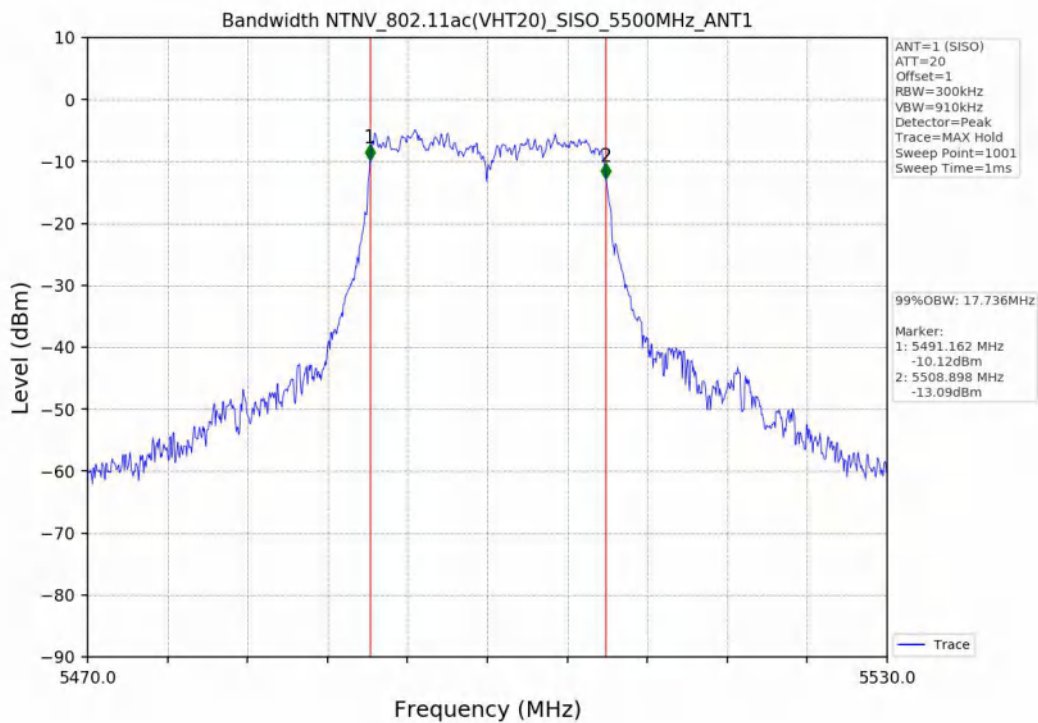


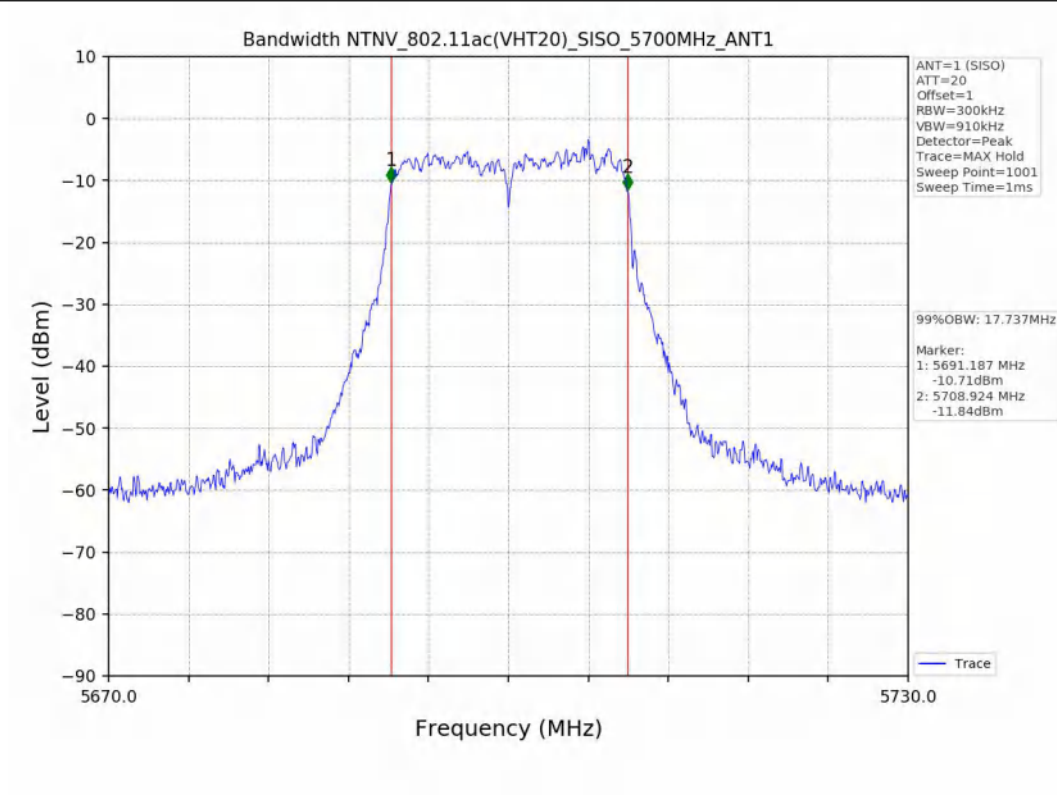
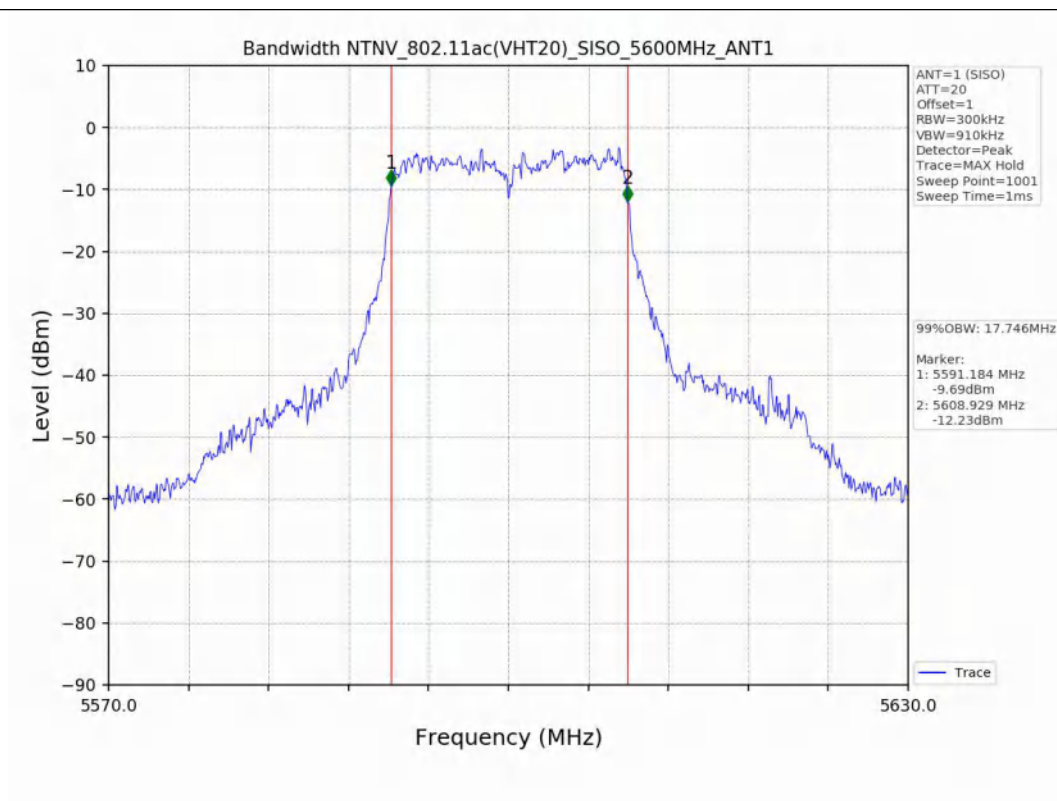


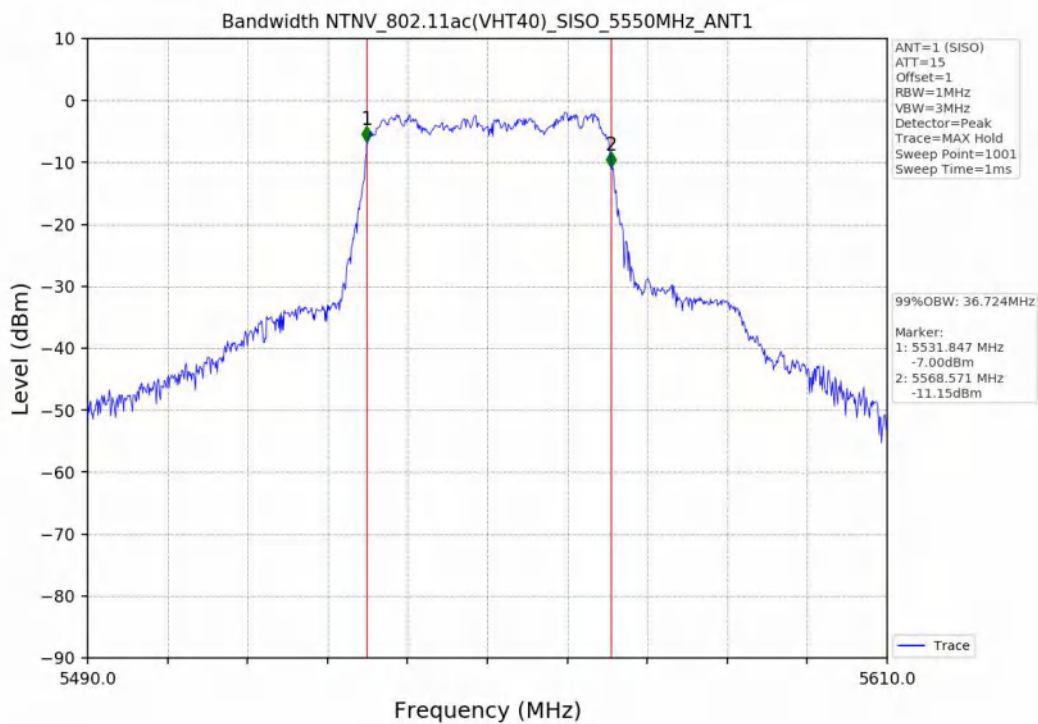
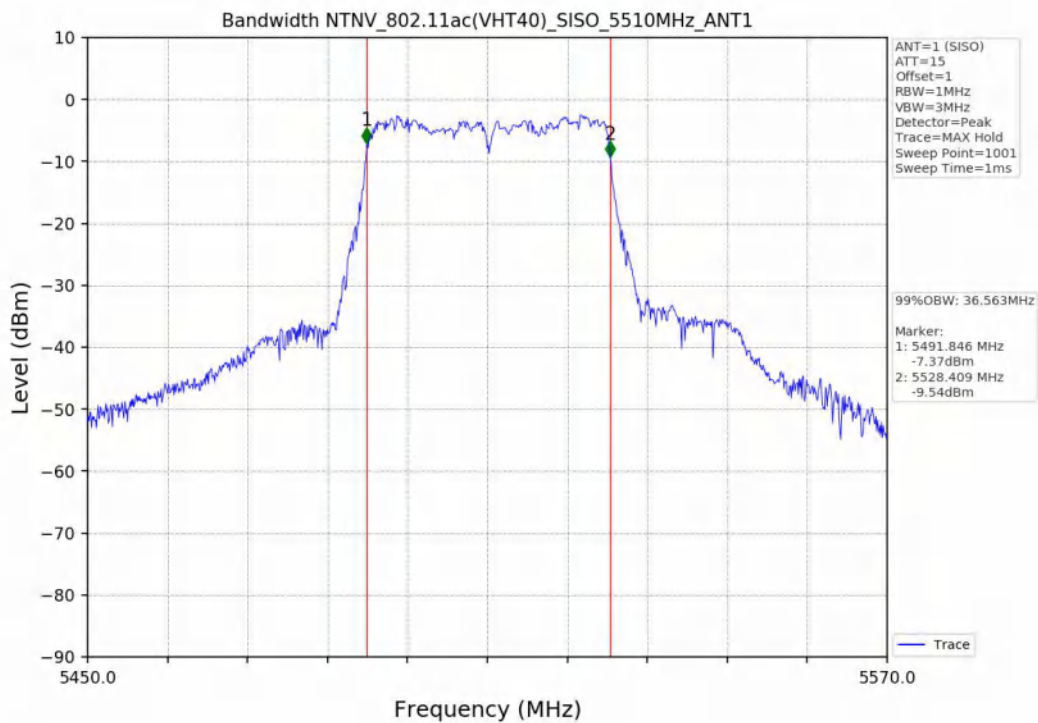


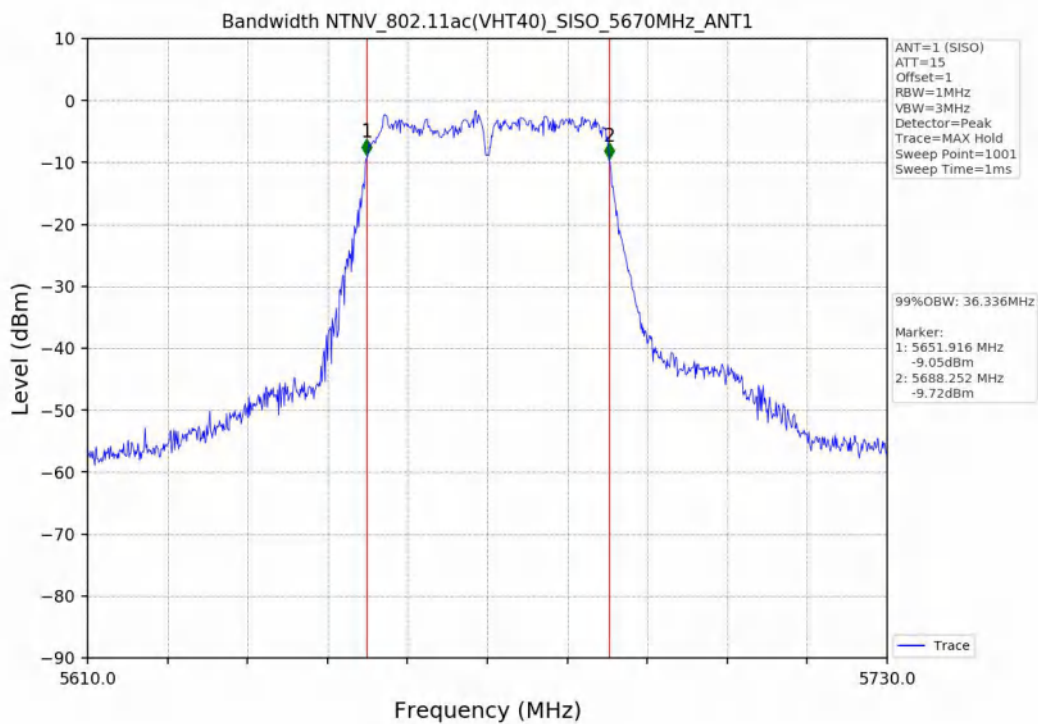
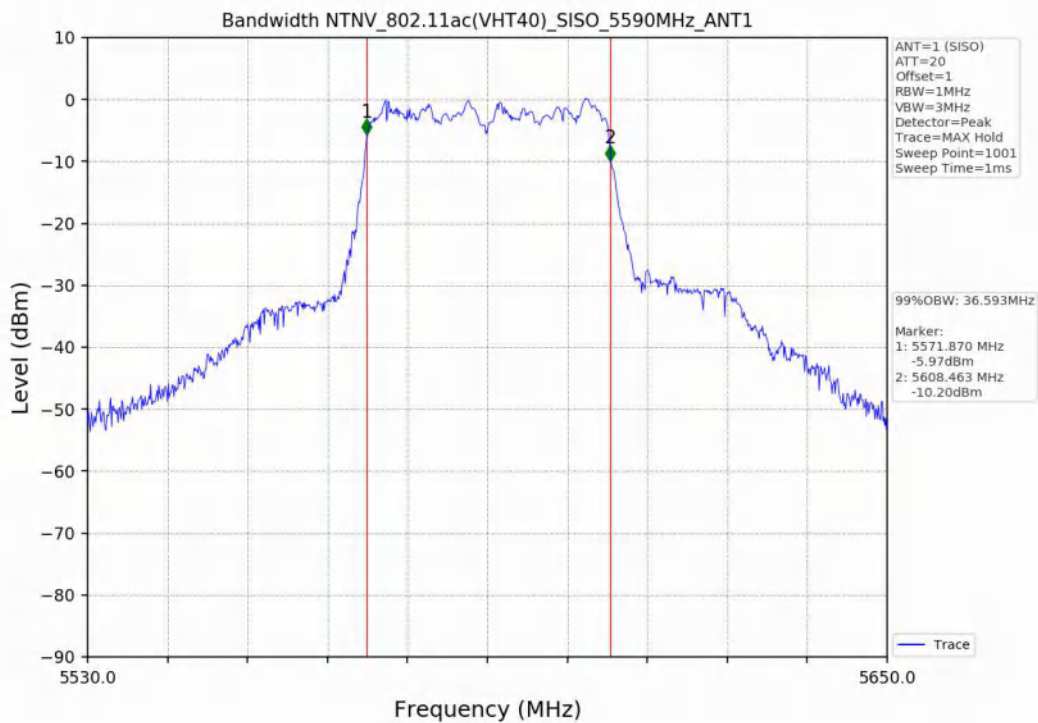


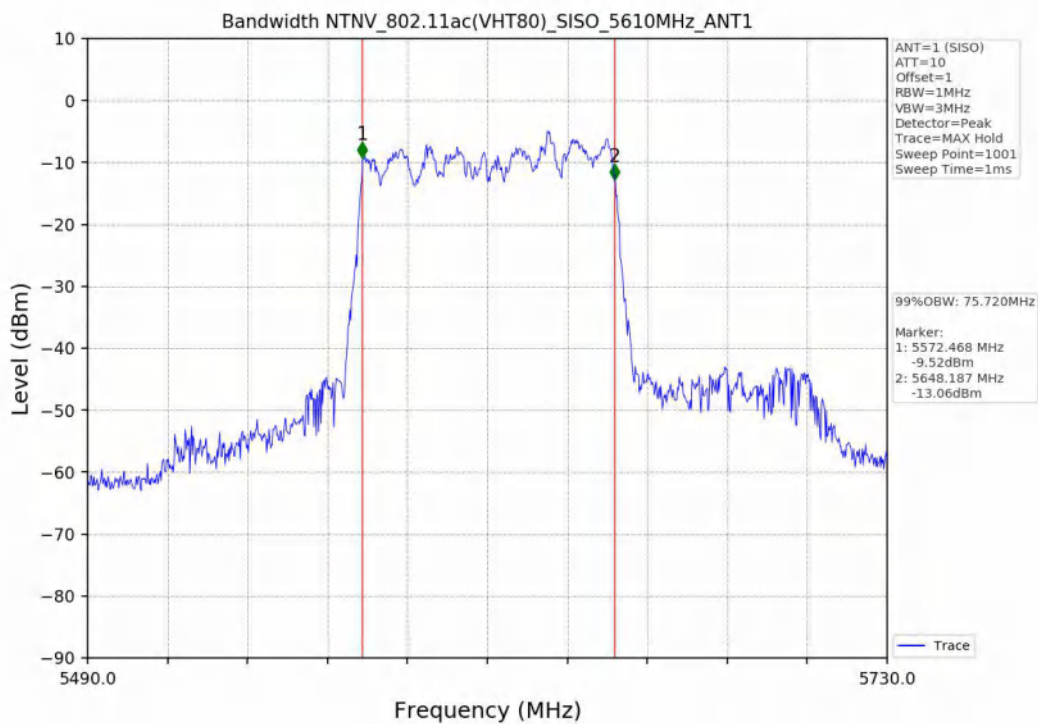
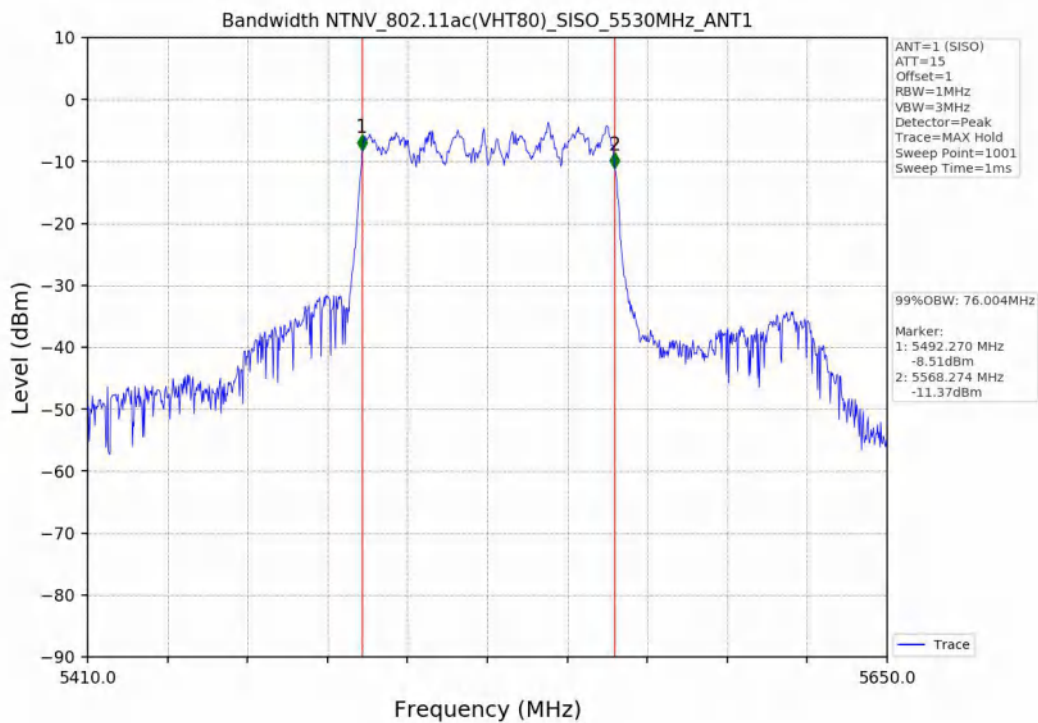










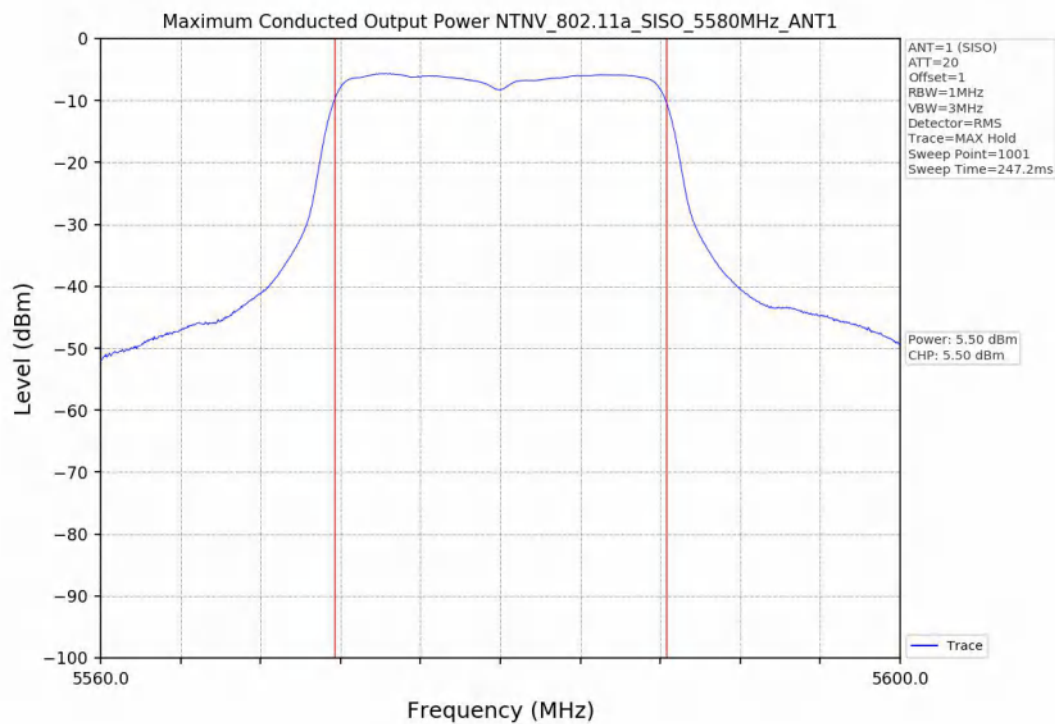
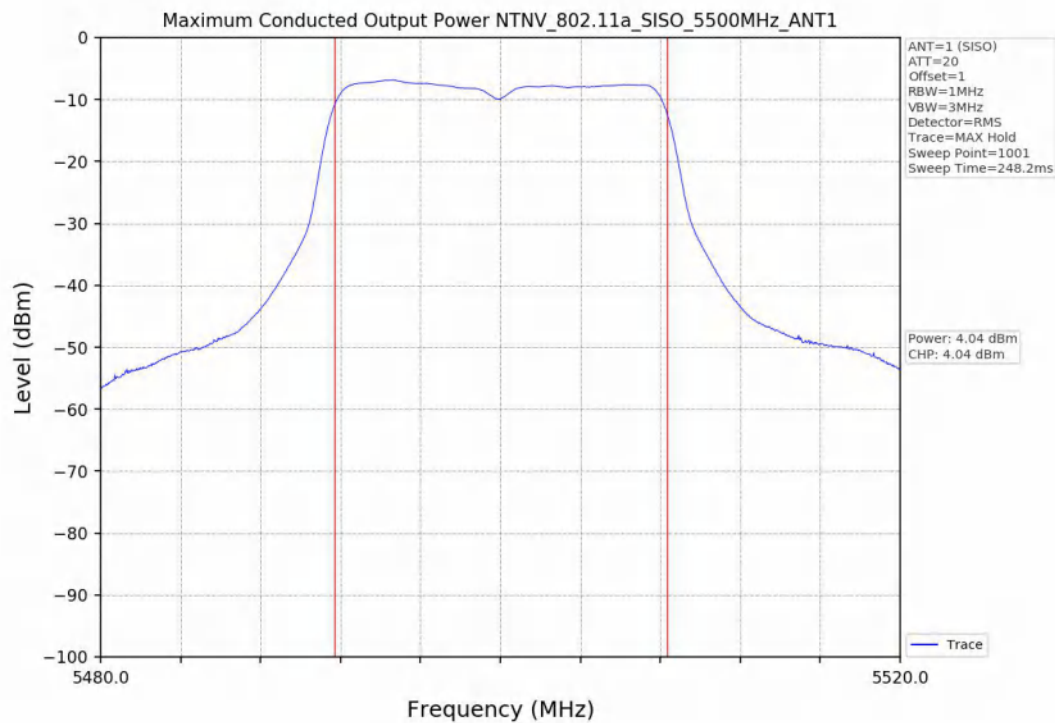


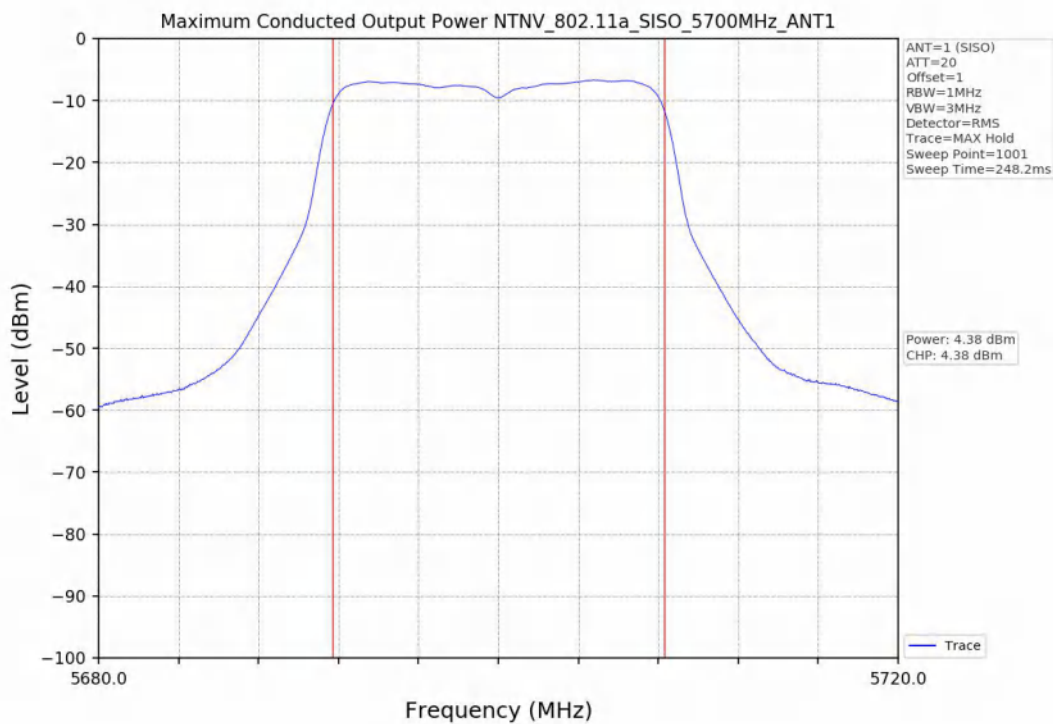
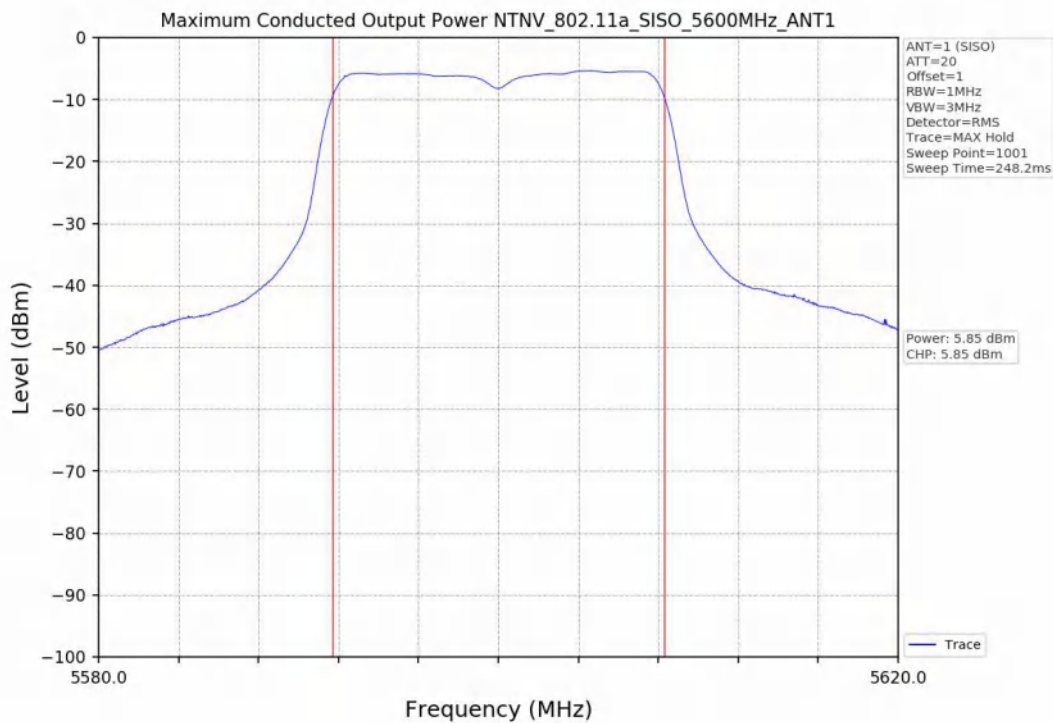
2. Maximum Conducted Output Power

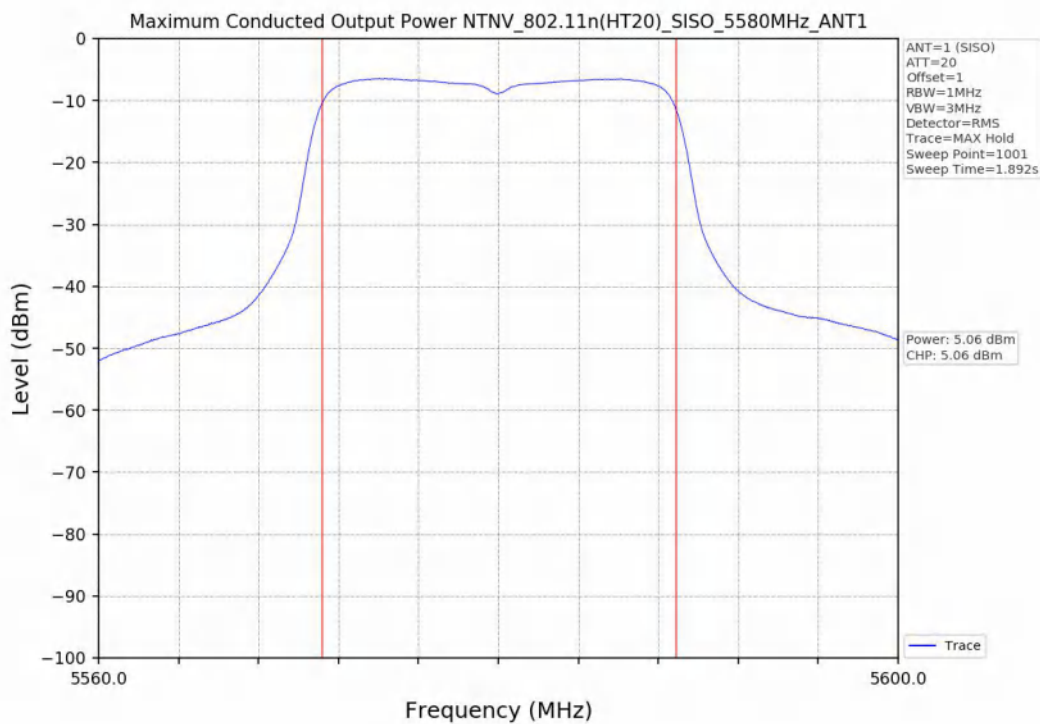
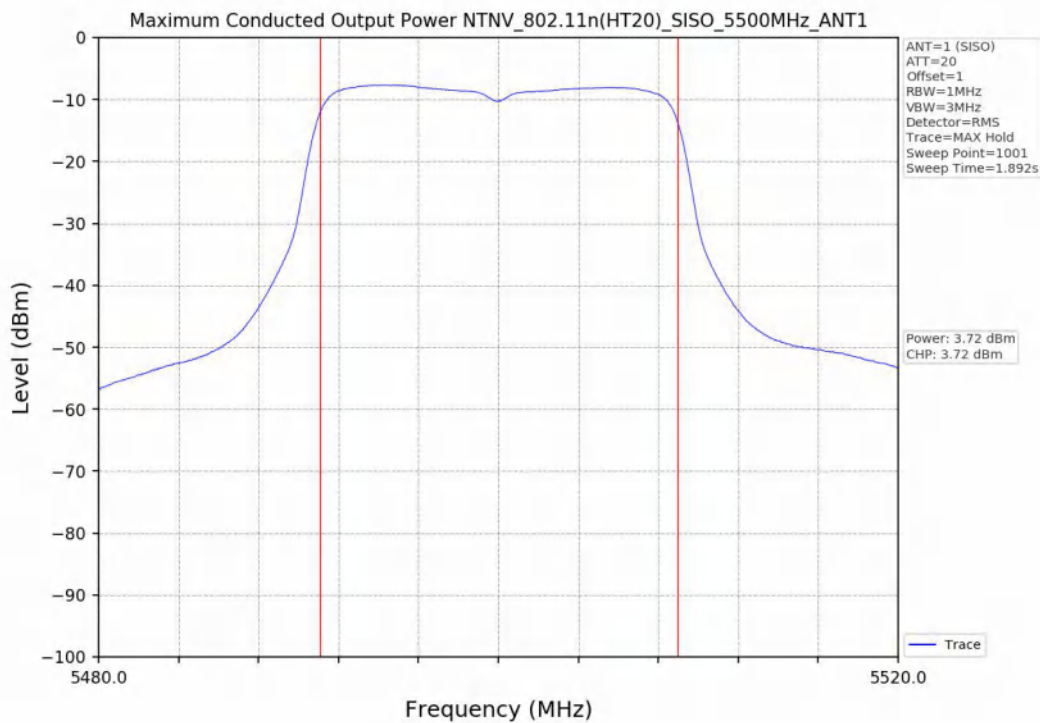
2.1 Test Result

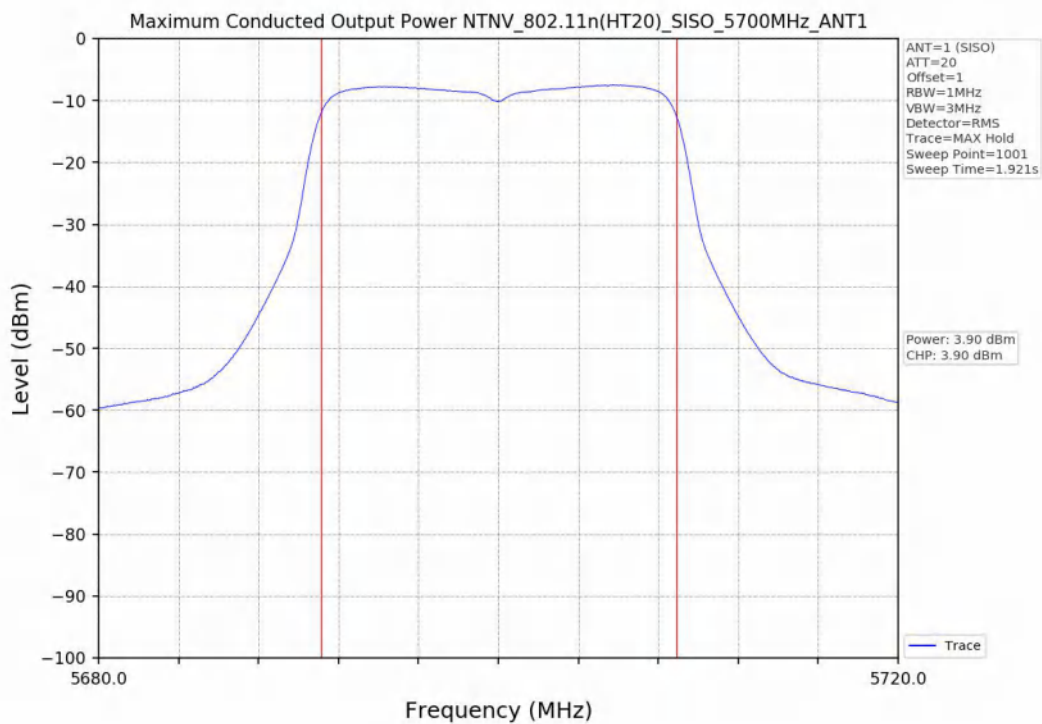
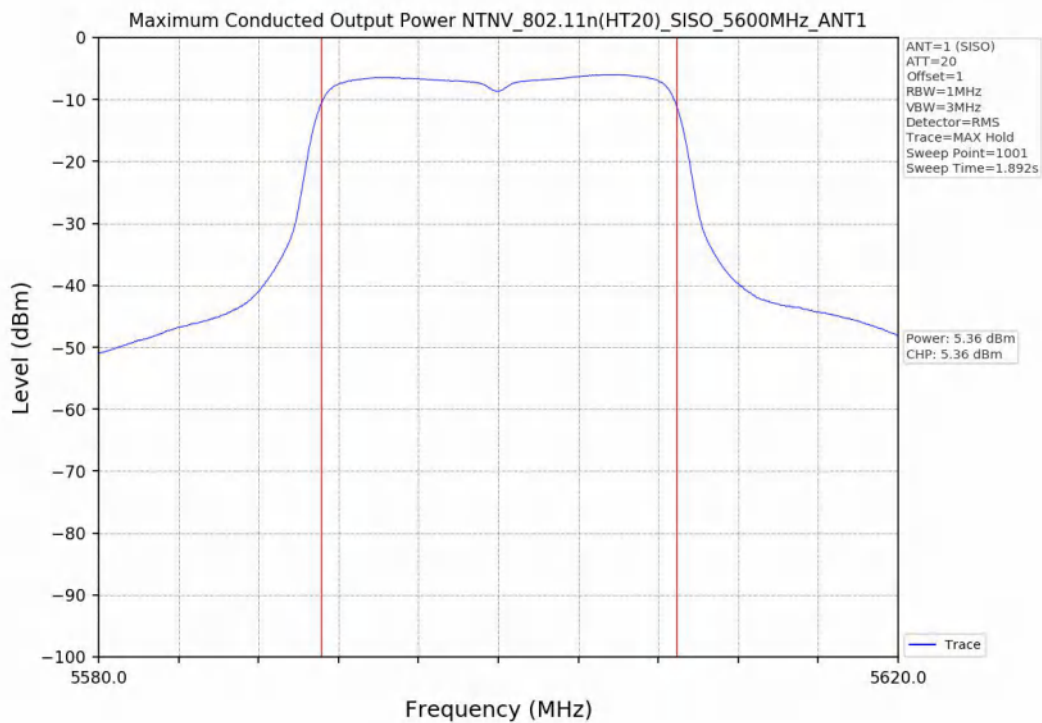
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5500	SISO	4.04	≤23.98	PASS
	5580	SISO	5.50	≤23.88	PASS
	5600	SISO	5.85	≤23.91	PASS
	5700	SISO	4.38	≤23.92	PASS
802.11n(HT20)	5500	SISO	3.72	≤23.98	PASS
	5580	SISO	5.06	≤23.98	PASS
	5600	SISO	5.36	≤23.98	PASS
	5700	SISO	3.90	≤23.98	PASS
802.11n(HT40)	5510	SISO	3.97	≤23.98	PASS
	5550	SISO	4.53	≤23.98	PASS
	5590	SISO	5.54	≤23.98	PASS
	5670	SISO	4.12	≤23.98	PASS
802.11ac(VHT20)	5500	SISO	3.61	≤23.98	PASS
	5580	SISO	5.04	≤23.98	PASS
	5600	SISO	5.34	≤23.98	PASS
	5700	SISO	4.06	≤23.97	PASS
802.11ac(VHT40)	5510	SISO	4.07	≤23.98	PASS
	5550	SISO	4.50	≤23.98	PASS
	5590	SISO	5.61	≤23.98	PASS
	5670	SISO	3.89	≤23.98	PASS
802.11ac(VHT80)	5530	SISO	4.47	≤23.98	PASS
	5610	SISO	2.64	≤23.98	PASS

2.2 Test Graph



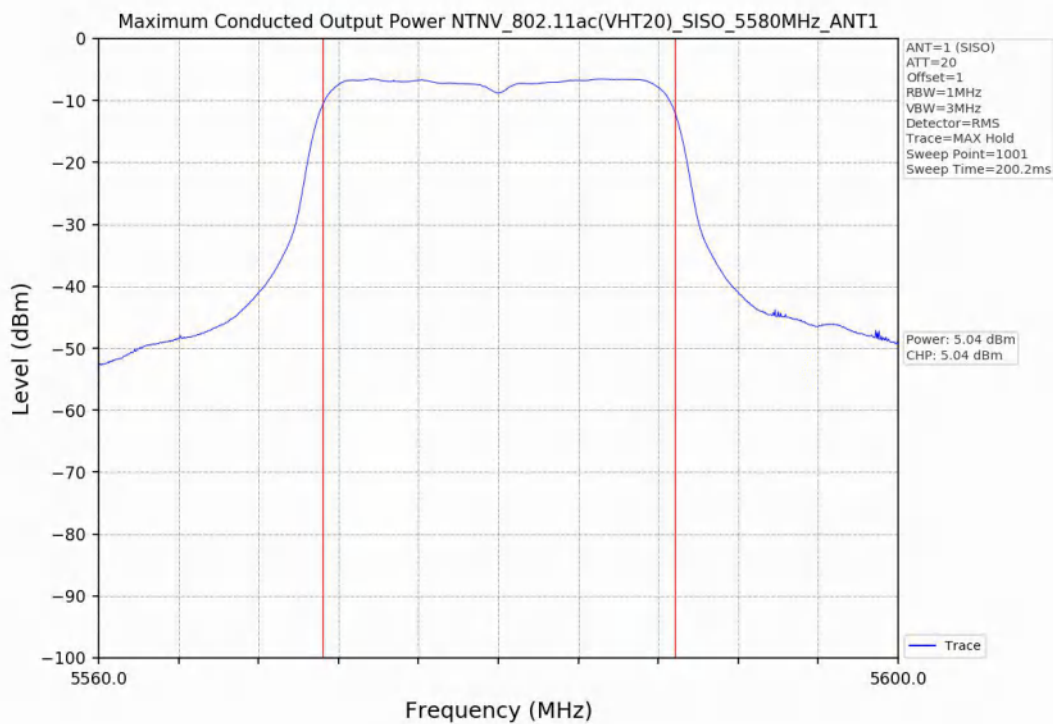


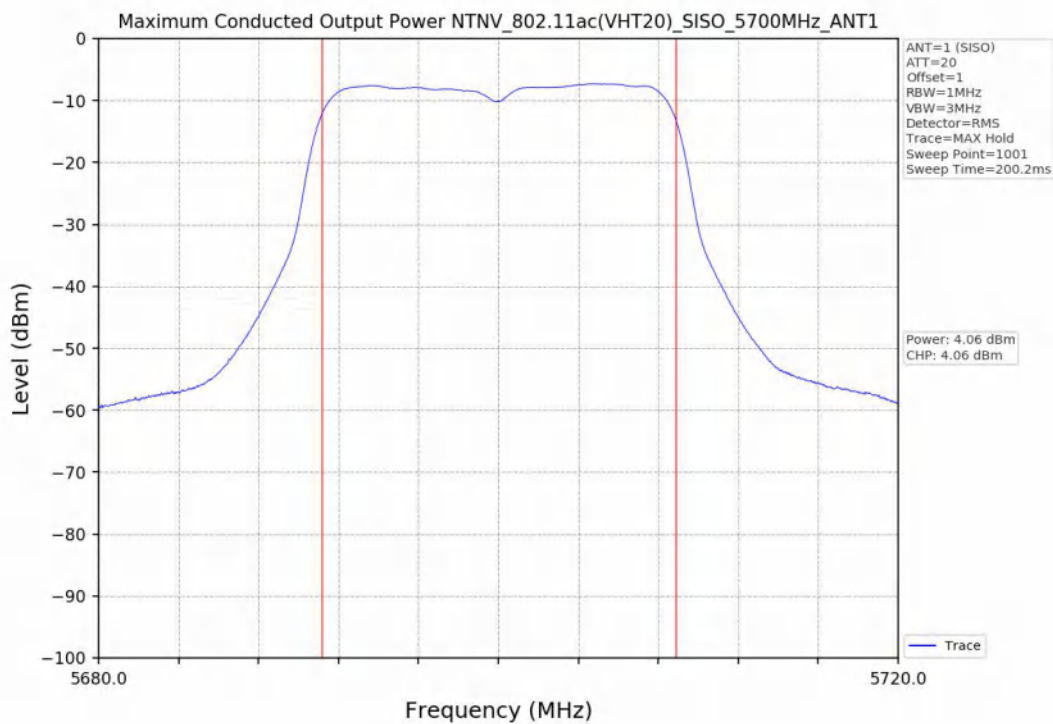
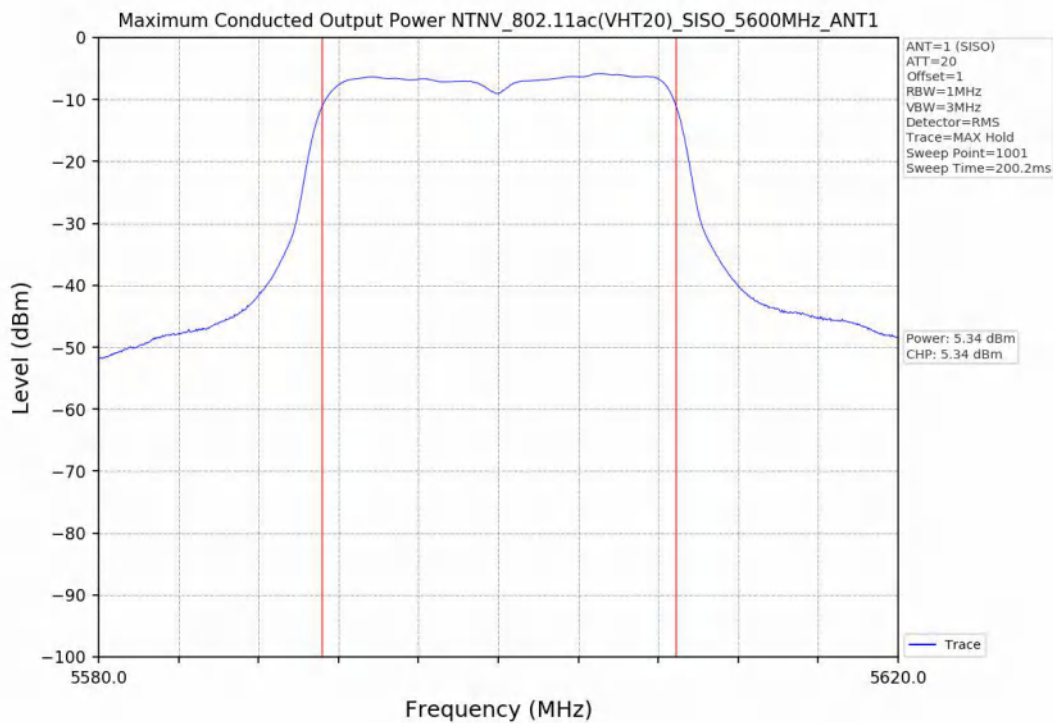


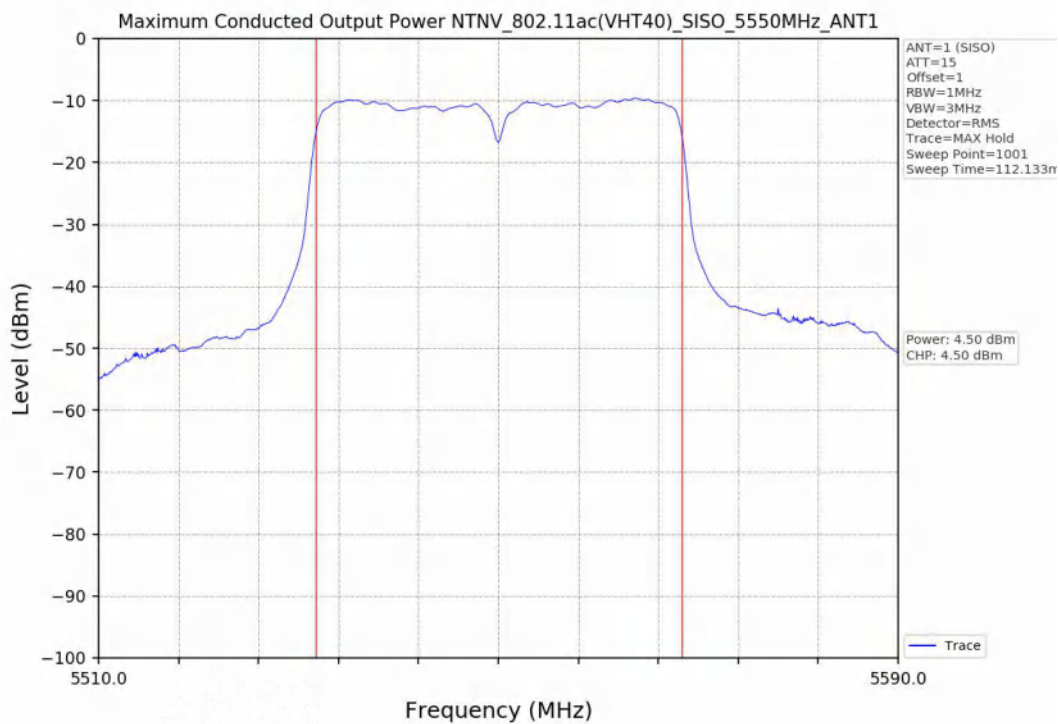
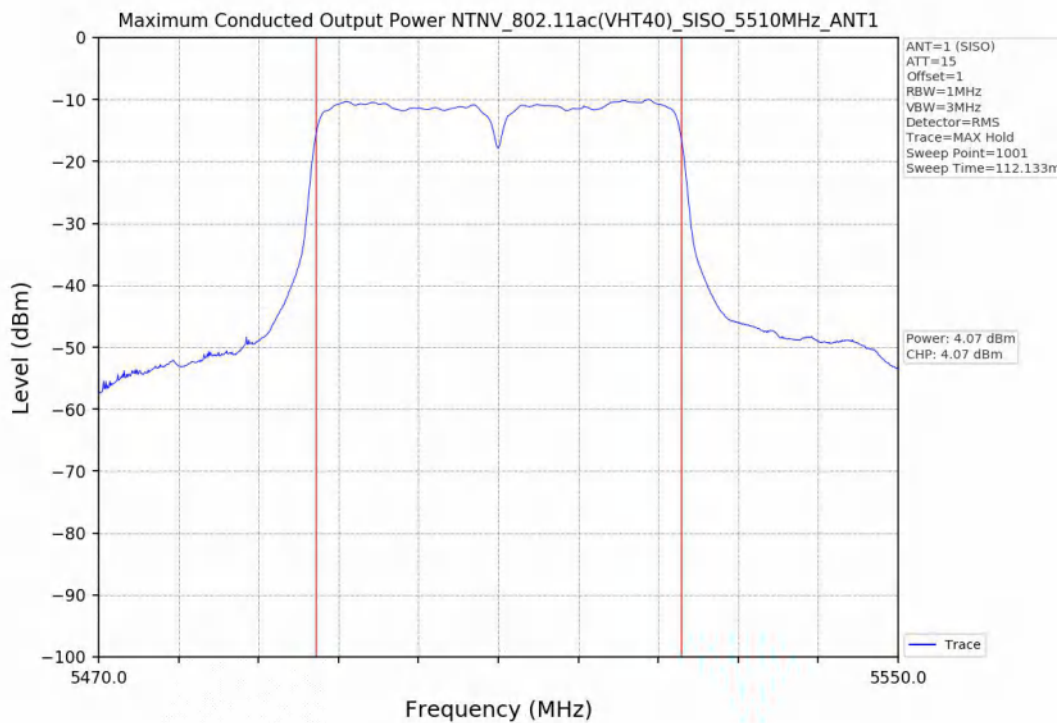


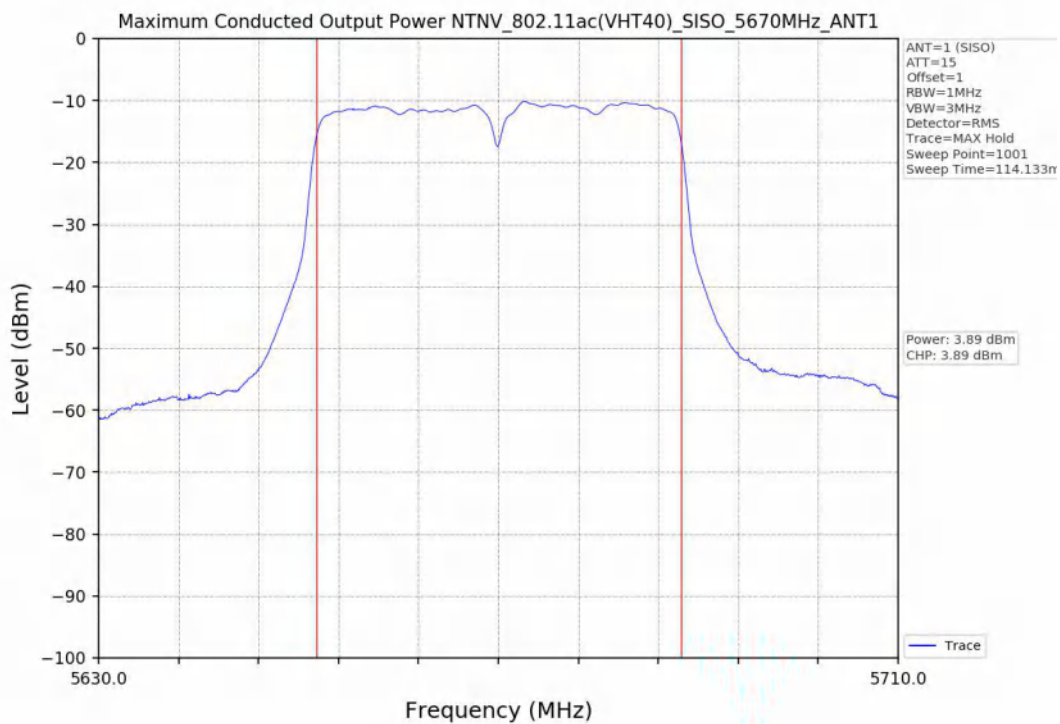
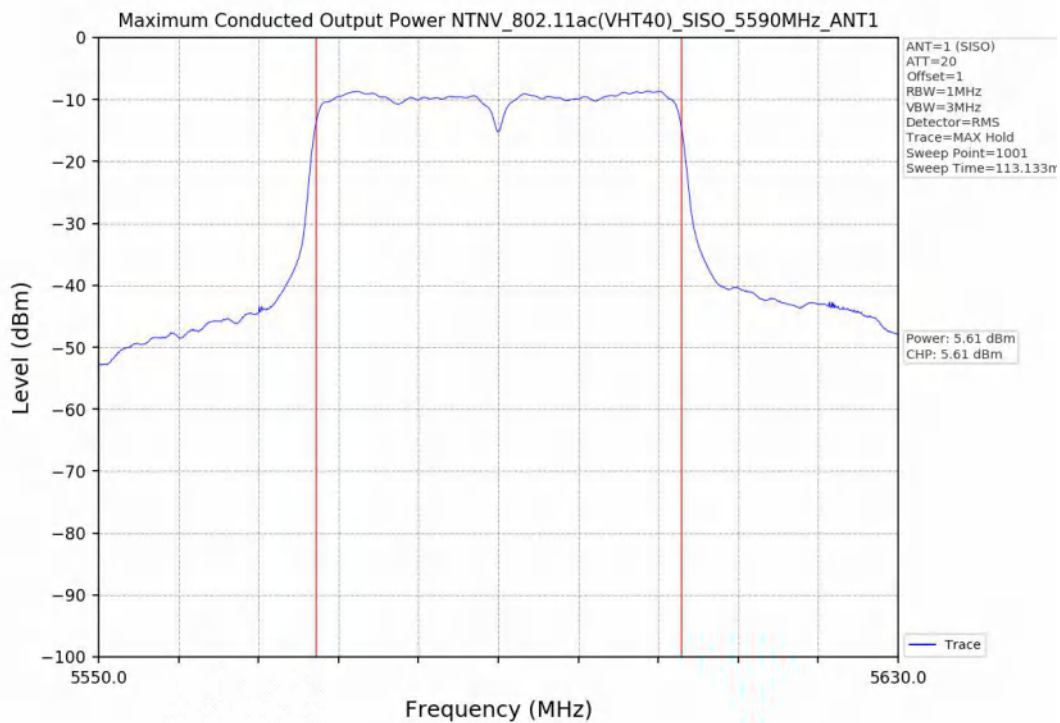


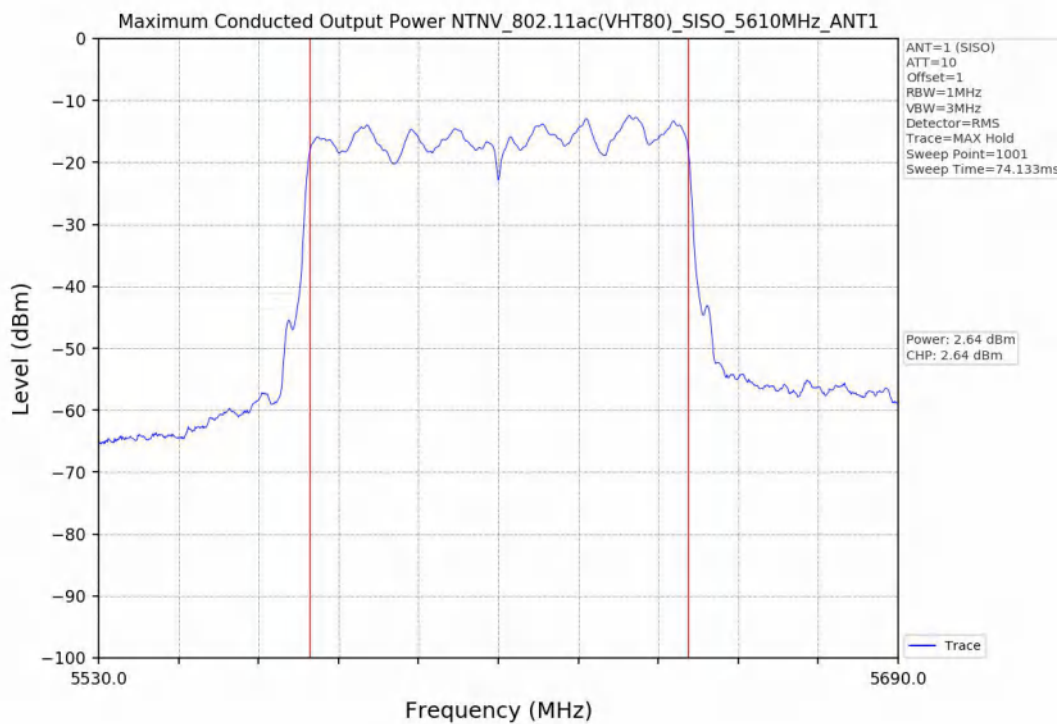
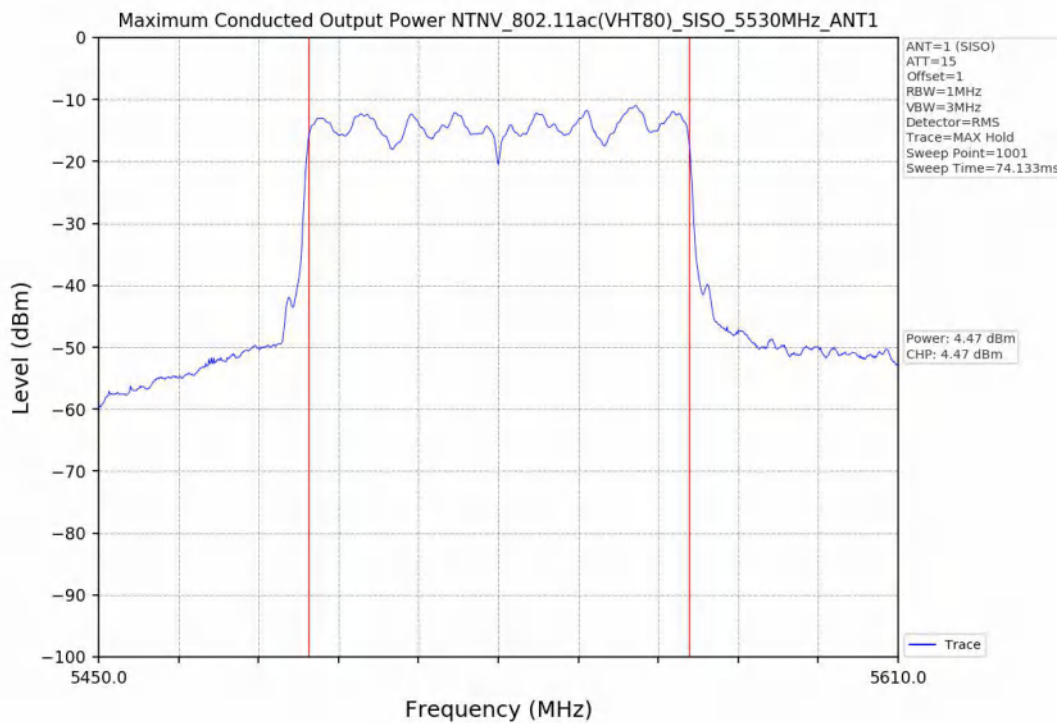










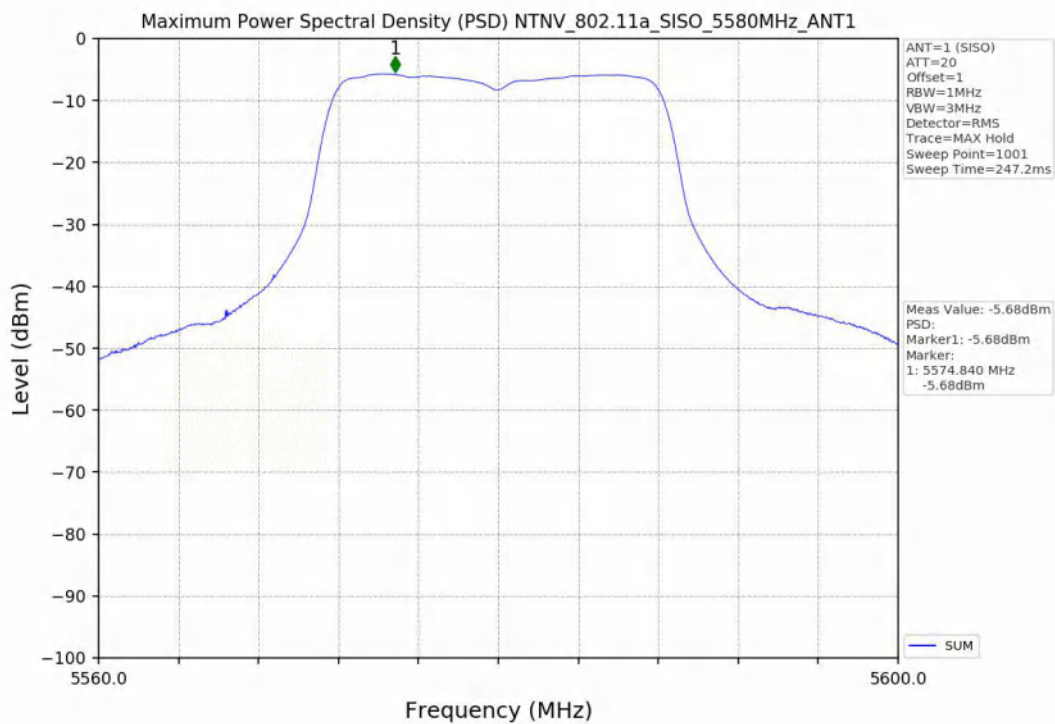
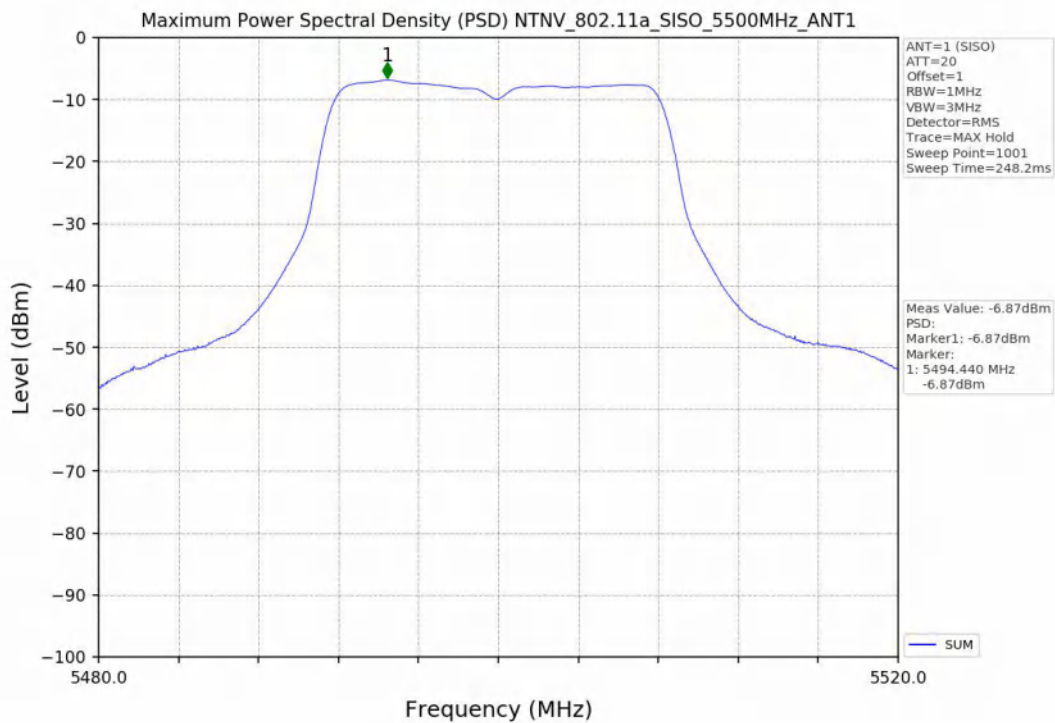


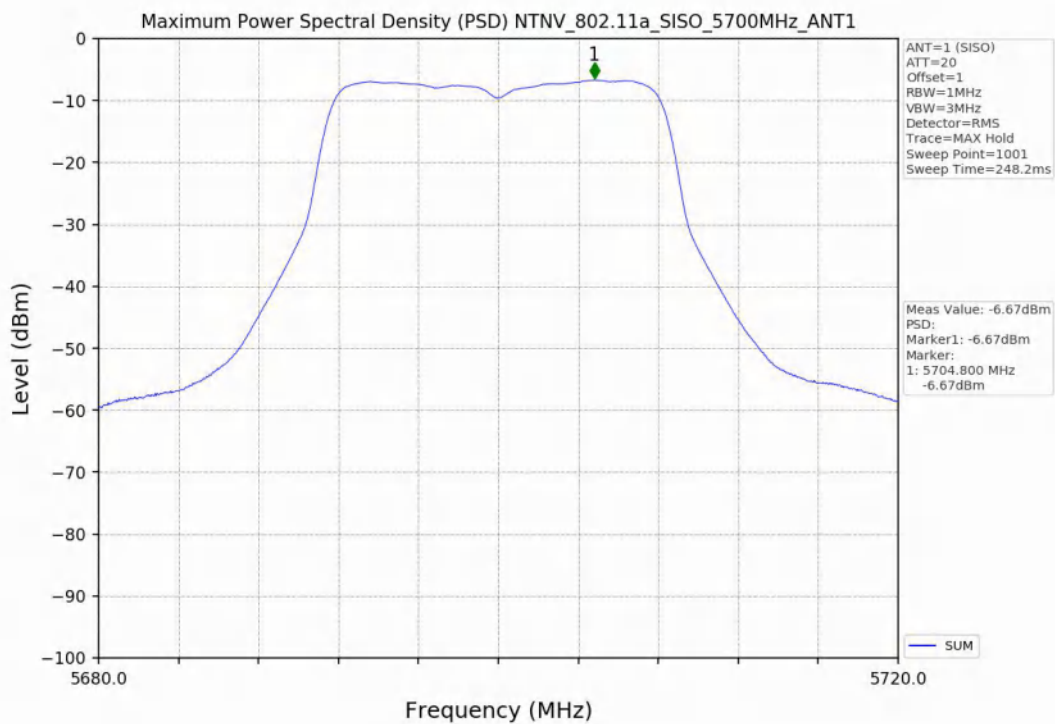
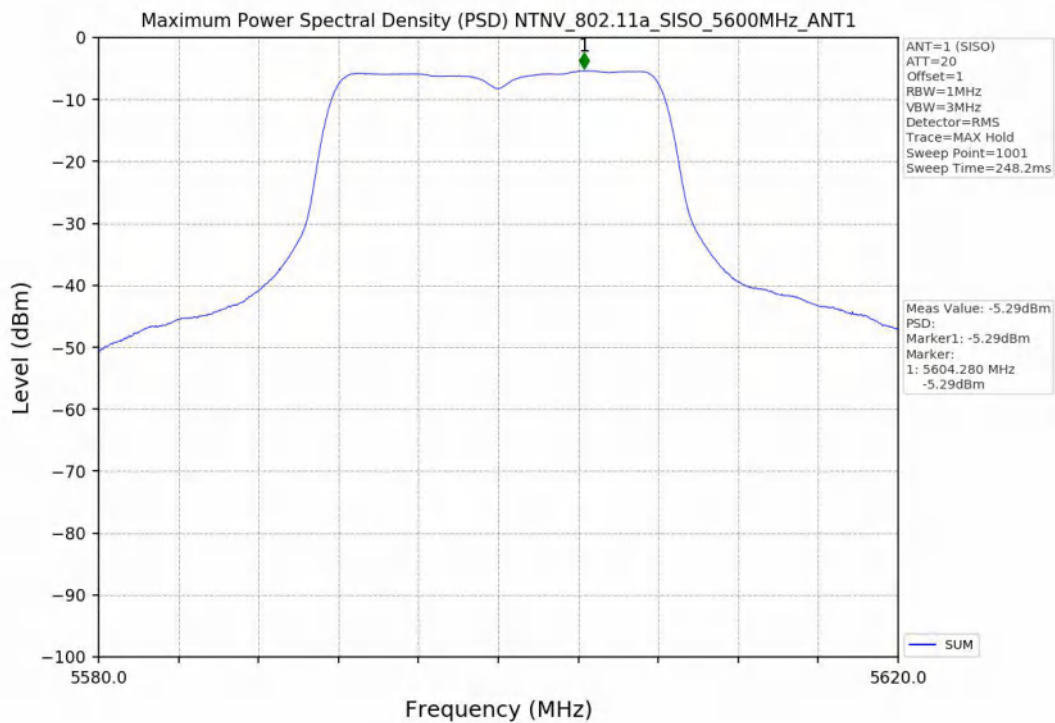
3. Maximum Power Spectral Density (PSD)

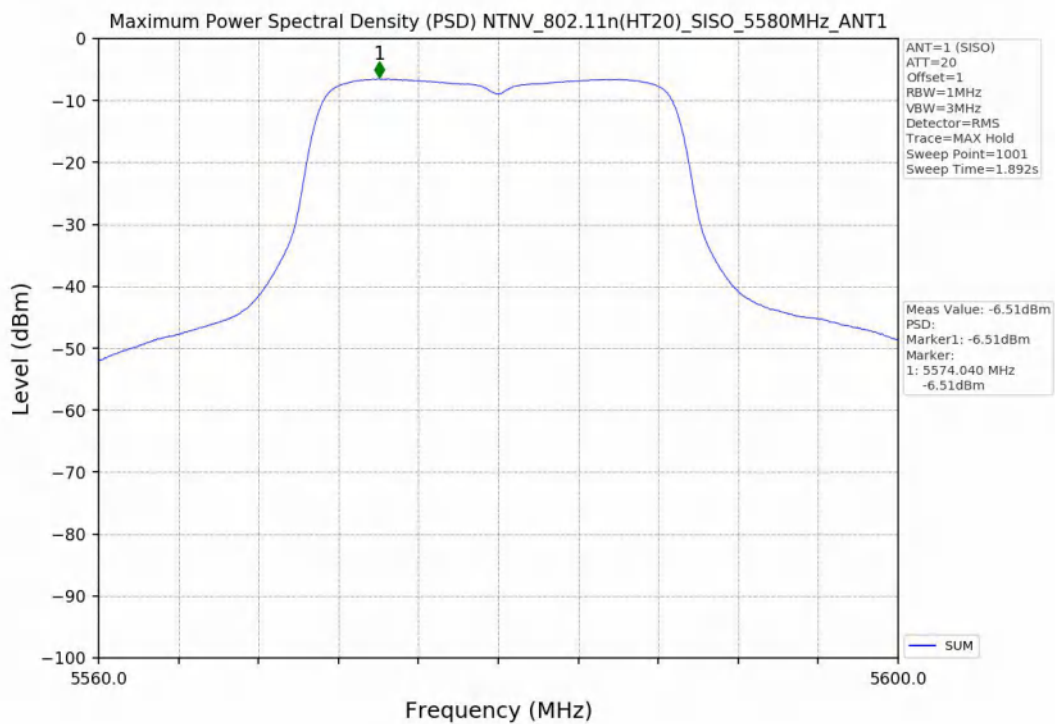
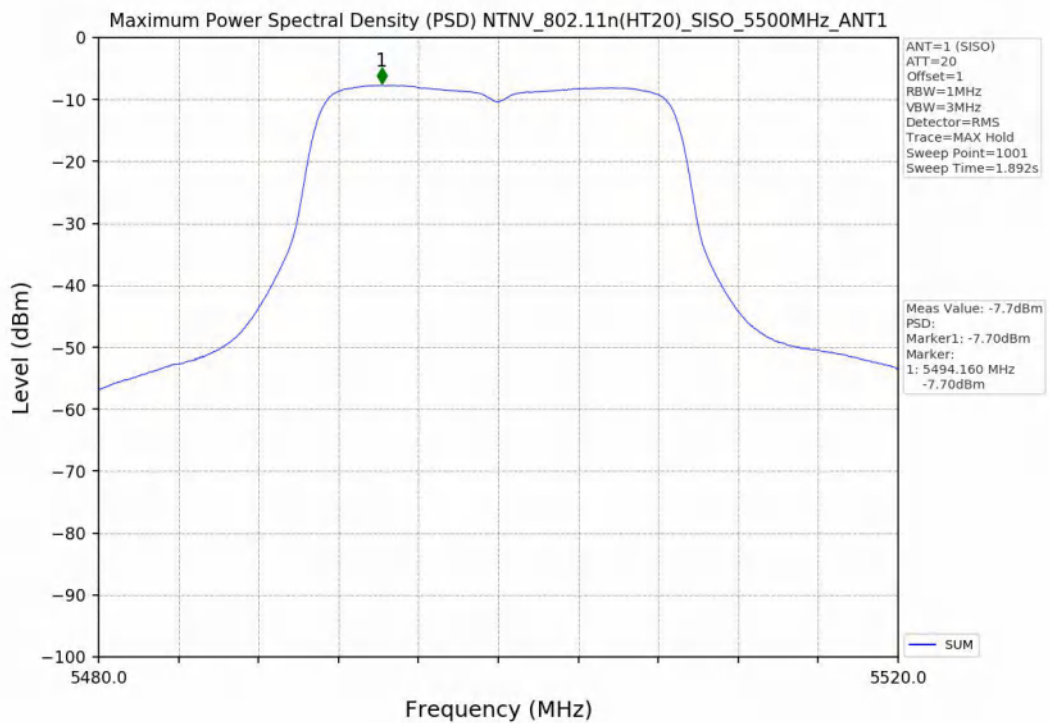
3.1 Test Result

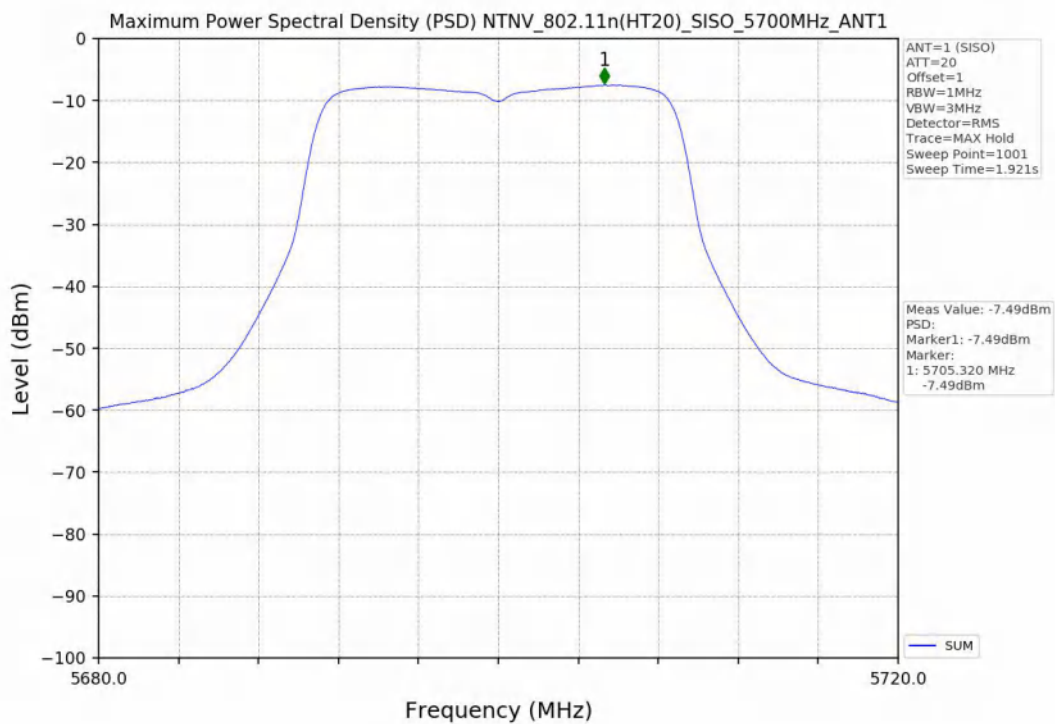
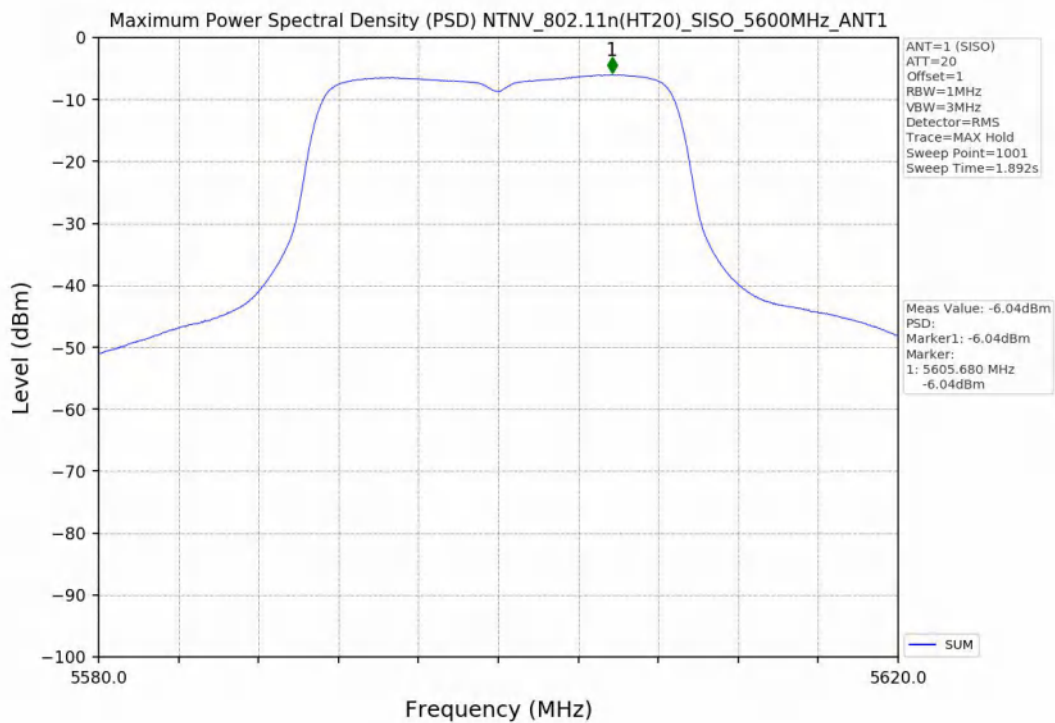
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5500	SISO	-6.87	≤11	PASS
	5580	SISO	-5.68	≤11	PASS
	5600	SISO	-5.29	≤11	PASS
	5700	SISO	-6.67	≤11	PASS
802.11n(HT20)	5500	SISO	-7.70	≤11	PASS
	5580	SISO	-6.51	≤11	PASS
	5600	SISO	-6.04	≤11	PASS
	5700	SISO	-7.49	≤11	PASS
802.11n(HT40)	5510	SISO	-10.49	≤11	PASS
	5550	SISO	-9.79	≤11	PASS
	5590	SISO	-8.93	≤11	PASS
	5670	SISO	-10.48	≤11	PASS
802.11ac(VHT20)	5500	SISO	-7.45	≤11	PASS
	5580	SISO	-6.43	≤11	PASS
	5600	SISO	-5.81	≤11	PASS
	5700	SISO	-7.33	≤11	PASS
802.11ac(VHT40)	5510	SISO	-10.04	≤11	PASS
	5550	SISO	-9.63	≤11	PASS
	5590	SISO	-8.68	≤11	PASS
	5670	SISO	-10.21	≤11	PASS
802.11ac(VHT80)	5530	SISO	-11.02	≤11	PASS
	5610	SISO	-12.49	≤11	PASS

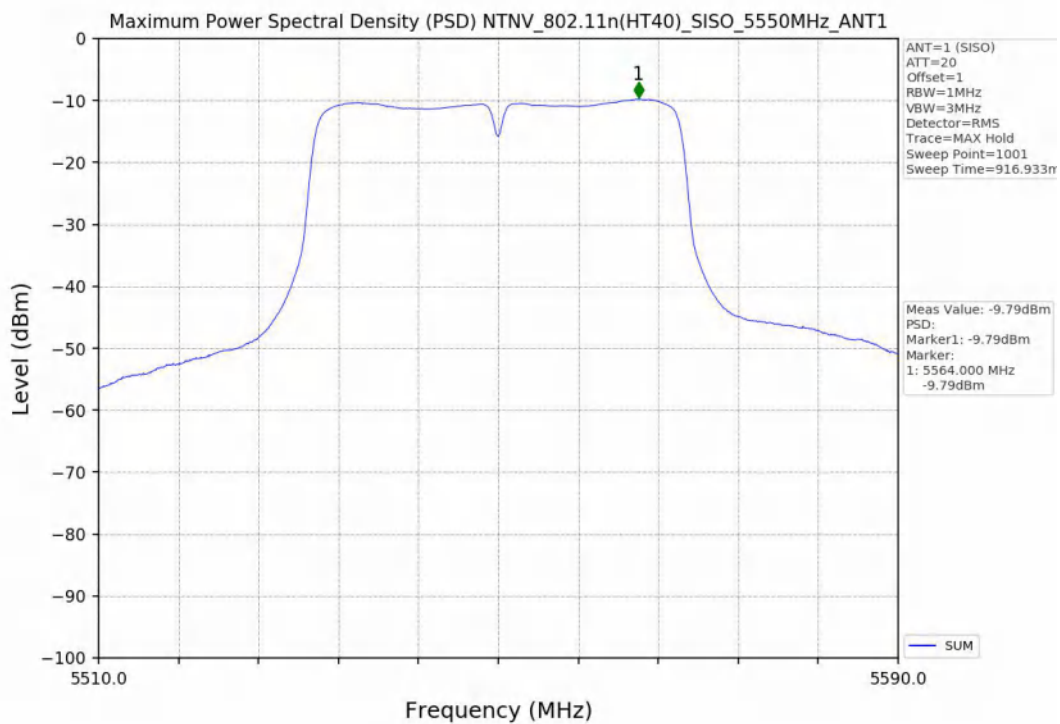
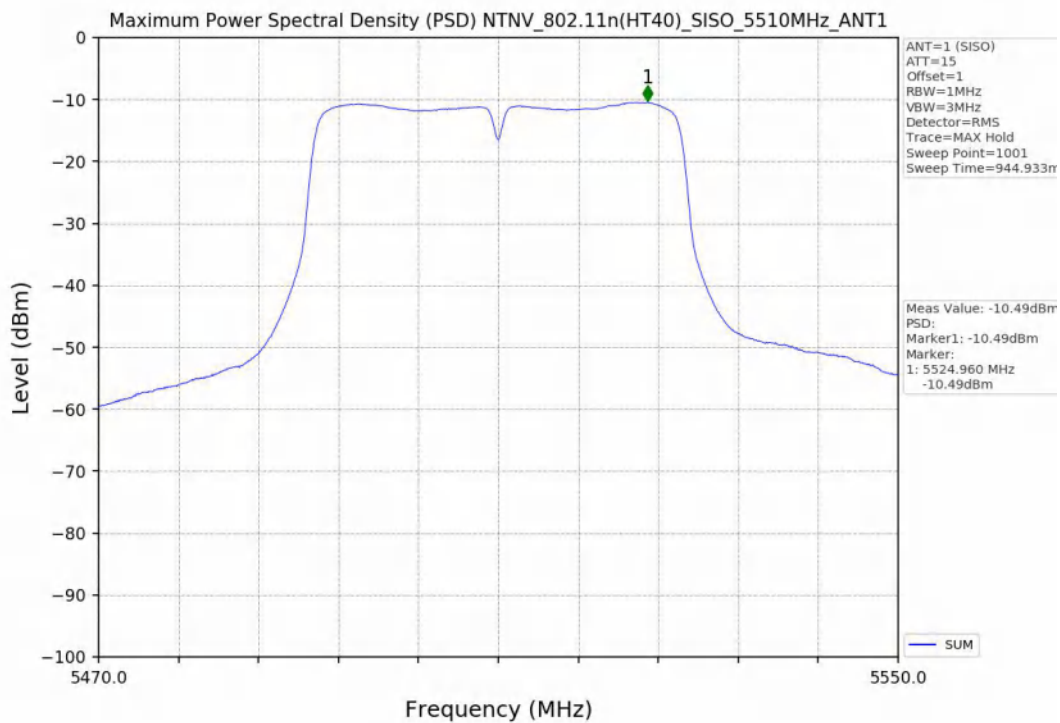
3.2 Test Graph

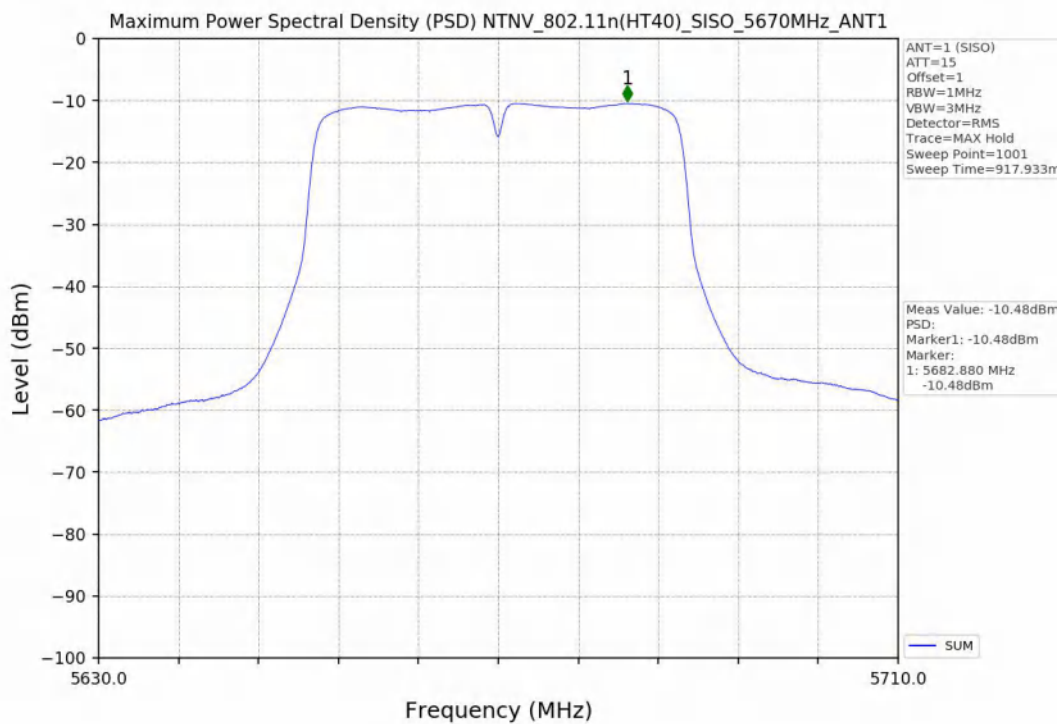
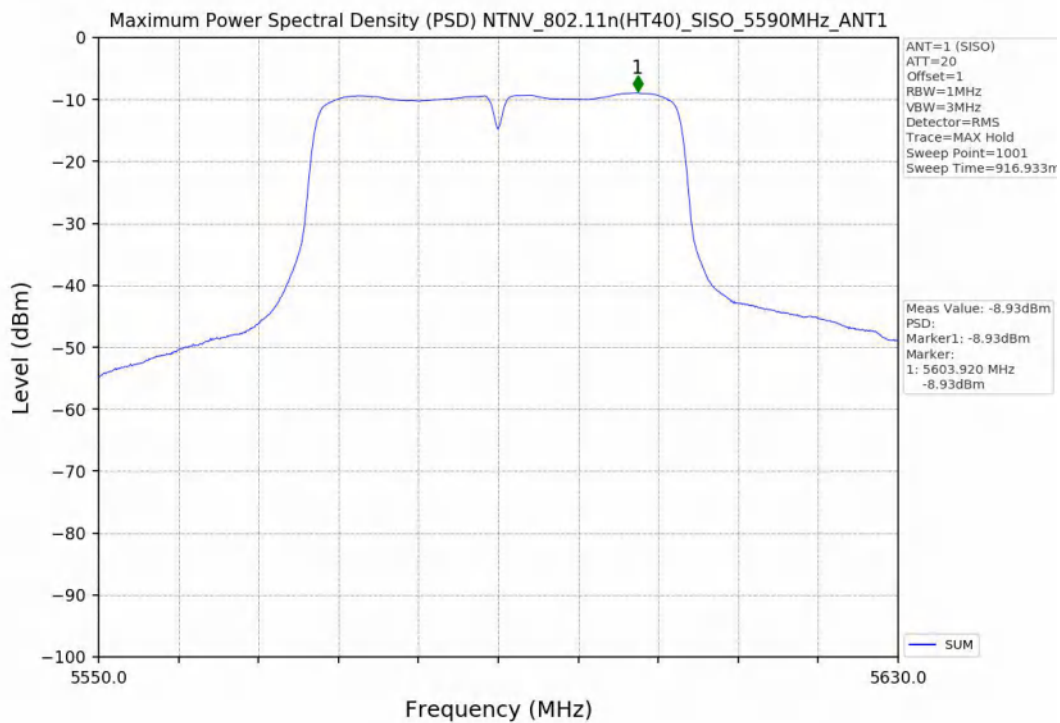


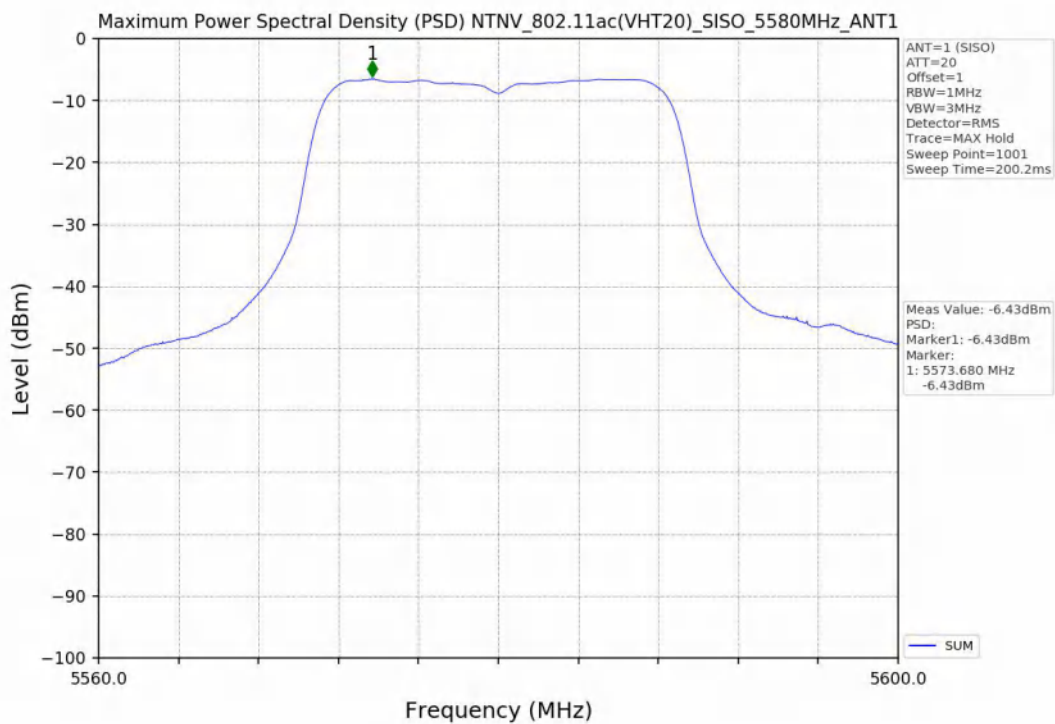
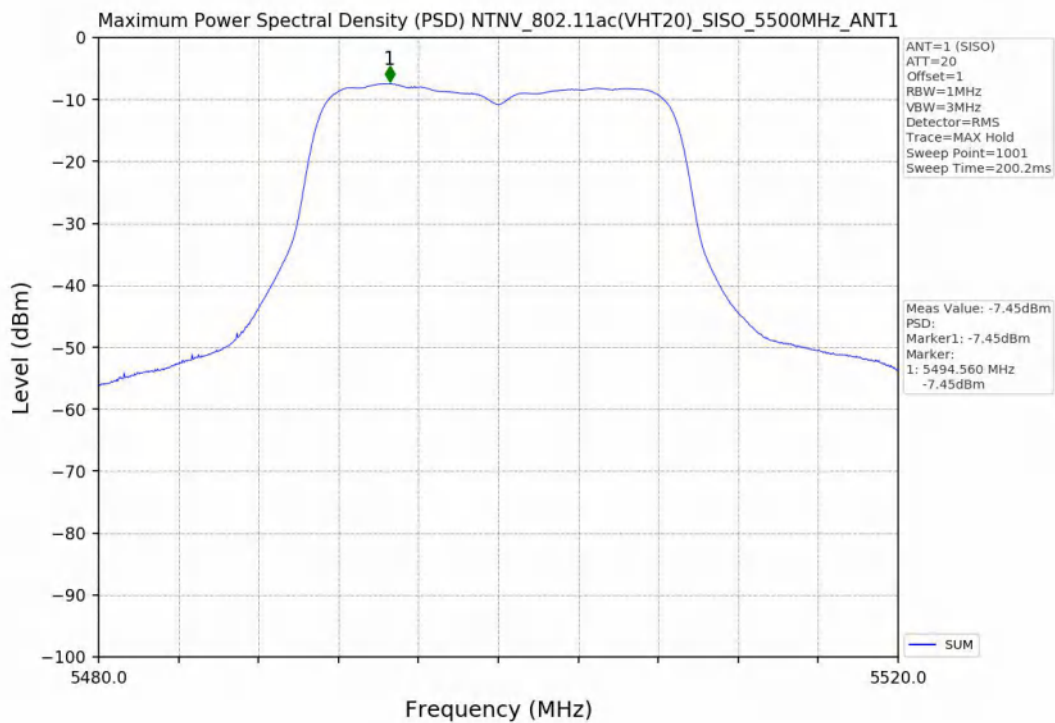


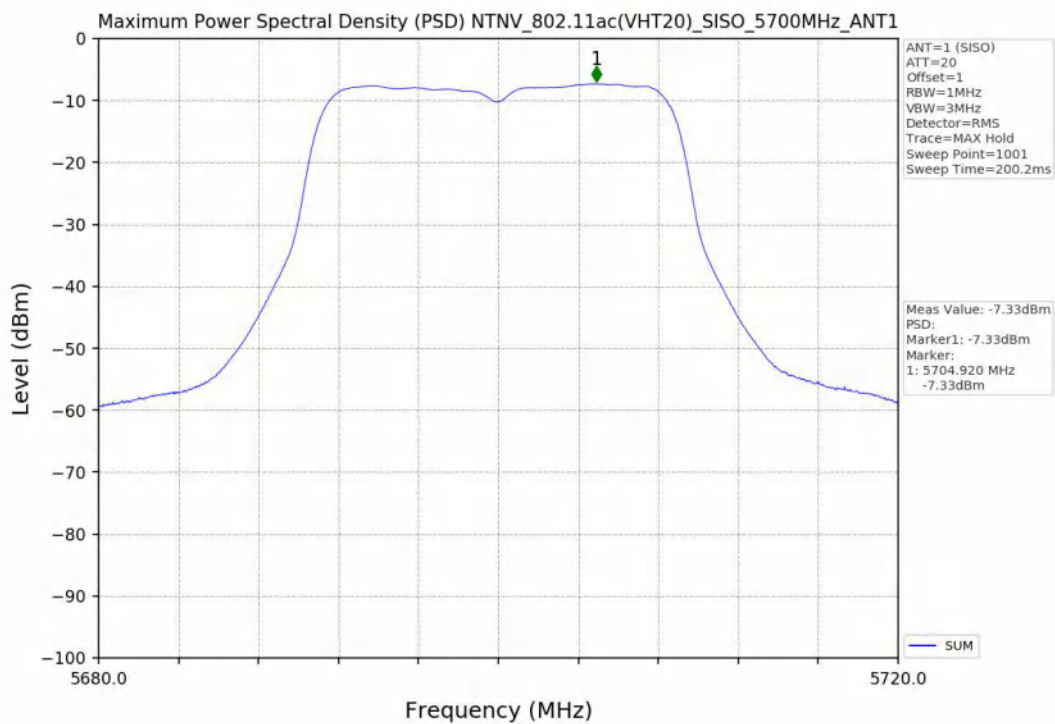
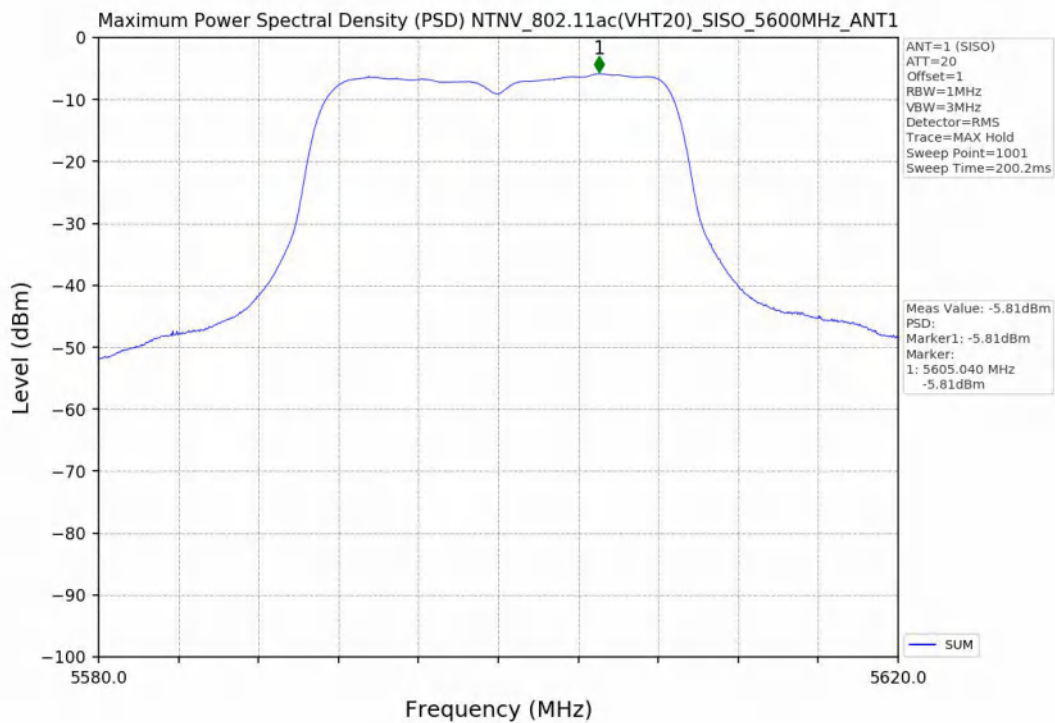


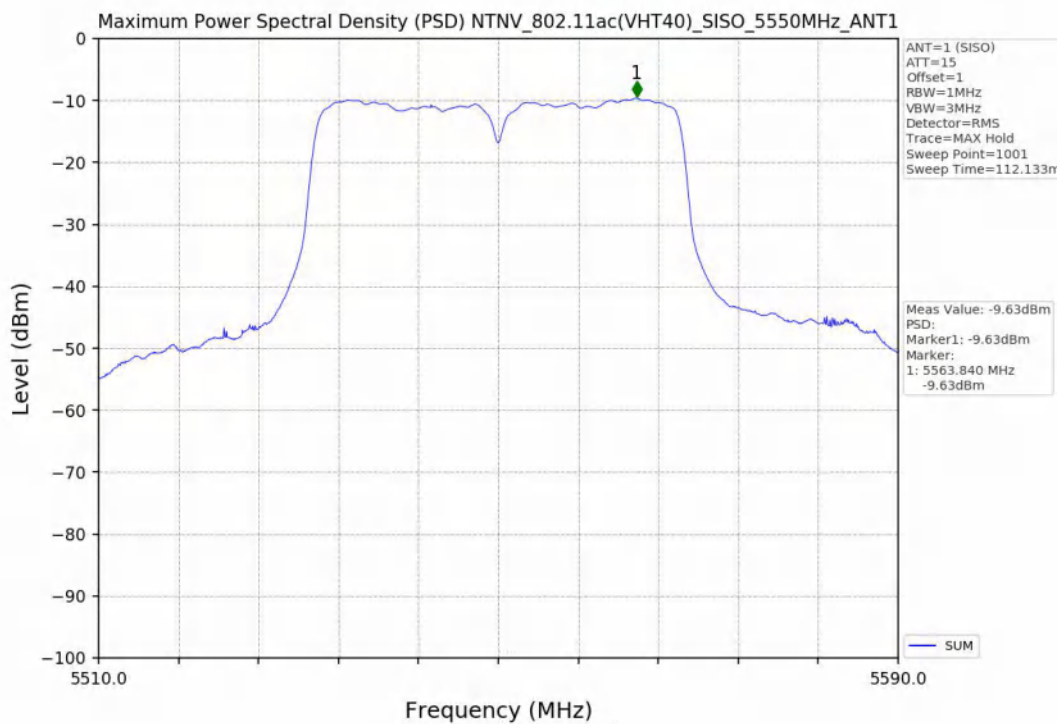
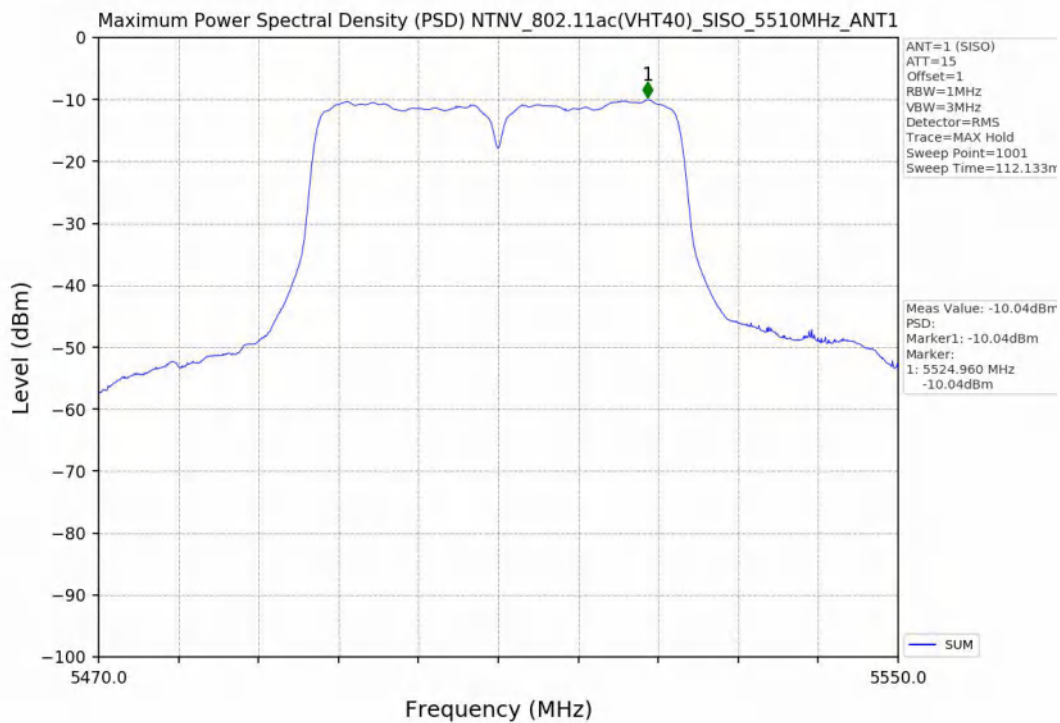


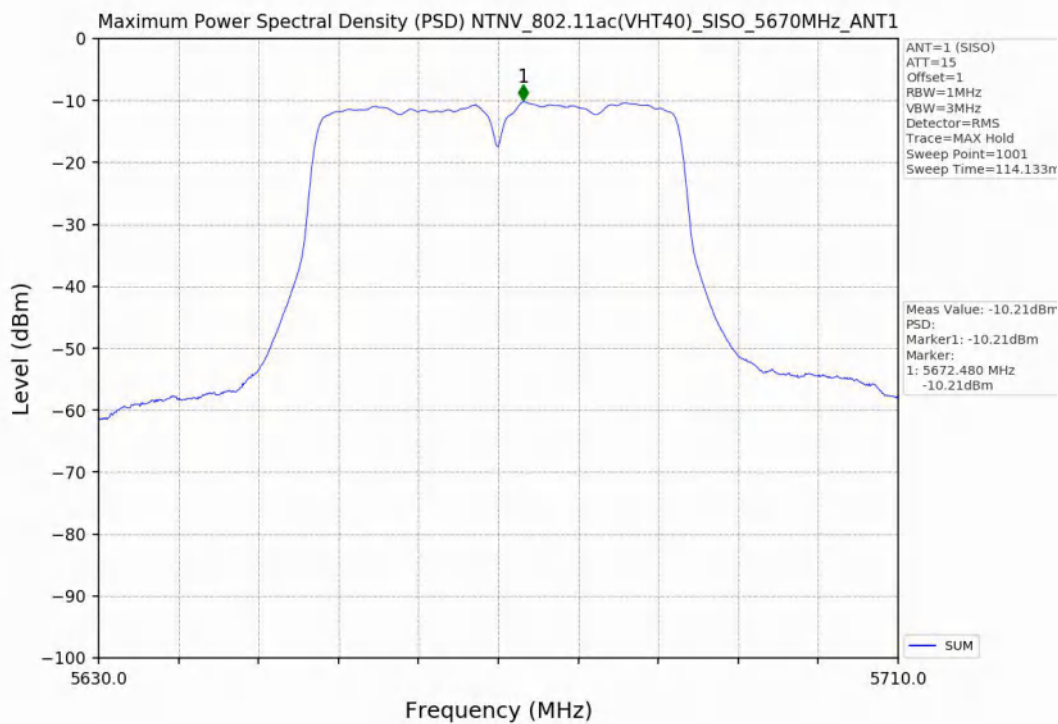
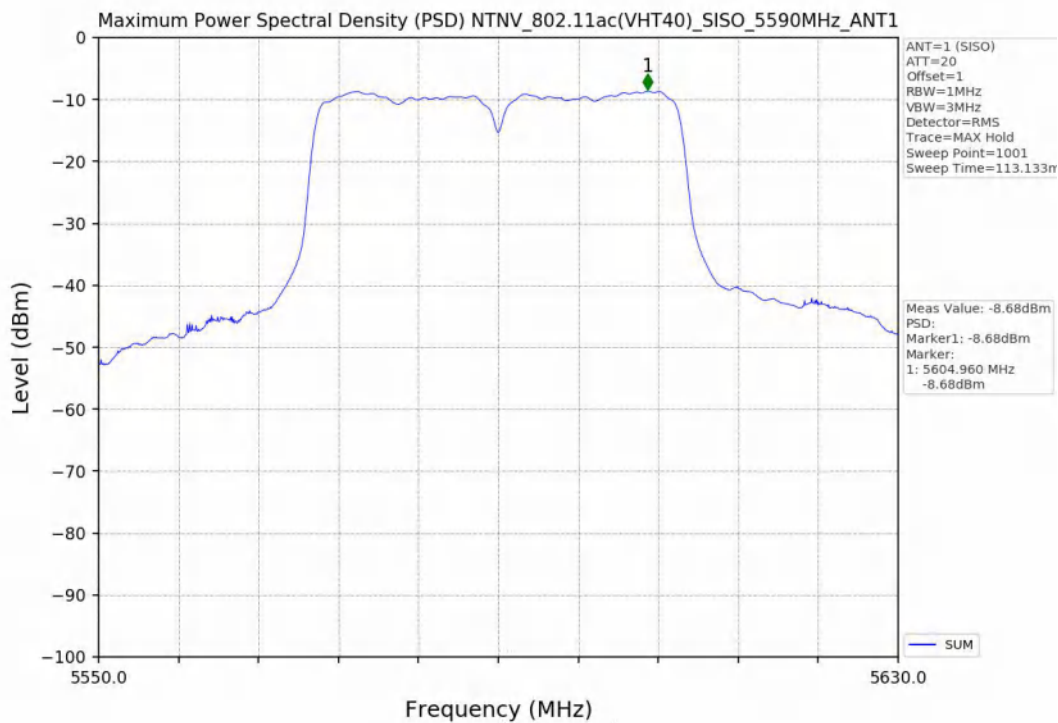


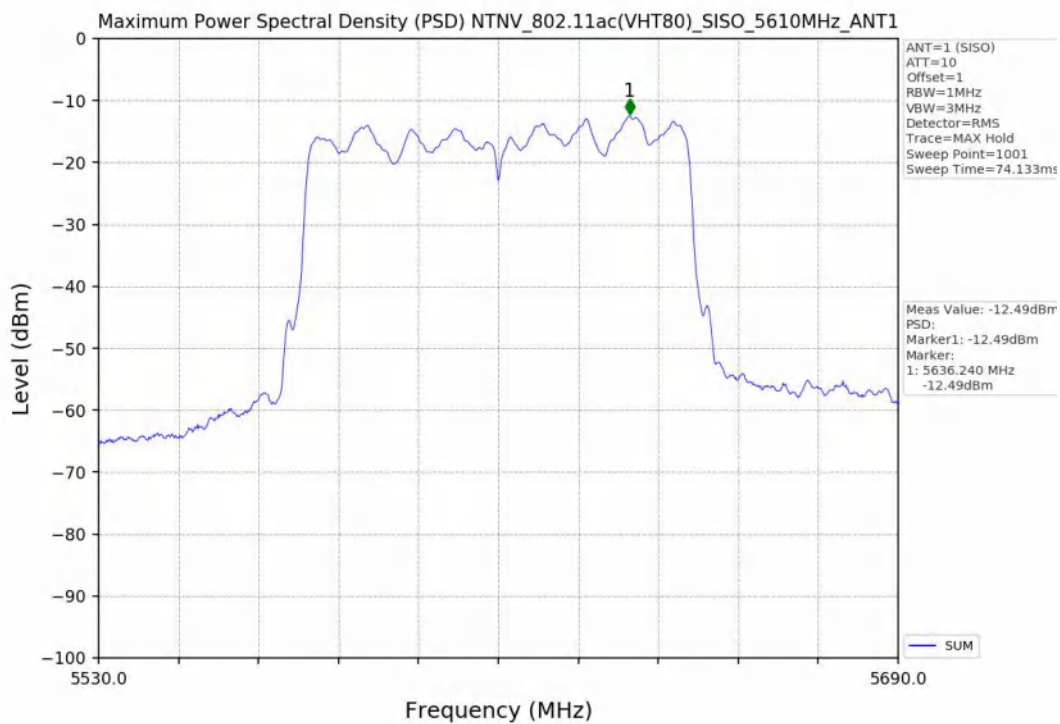
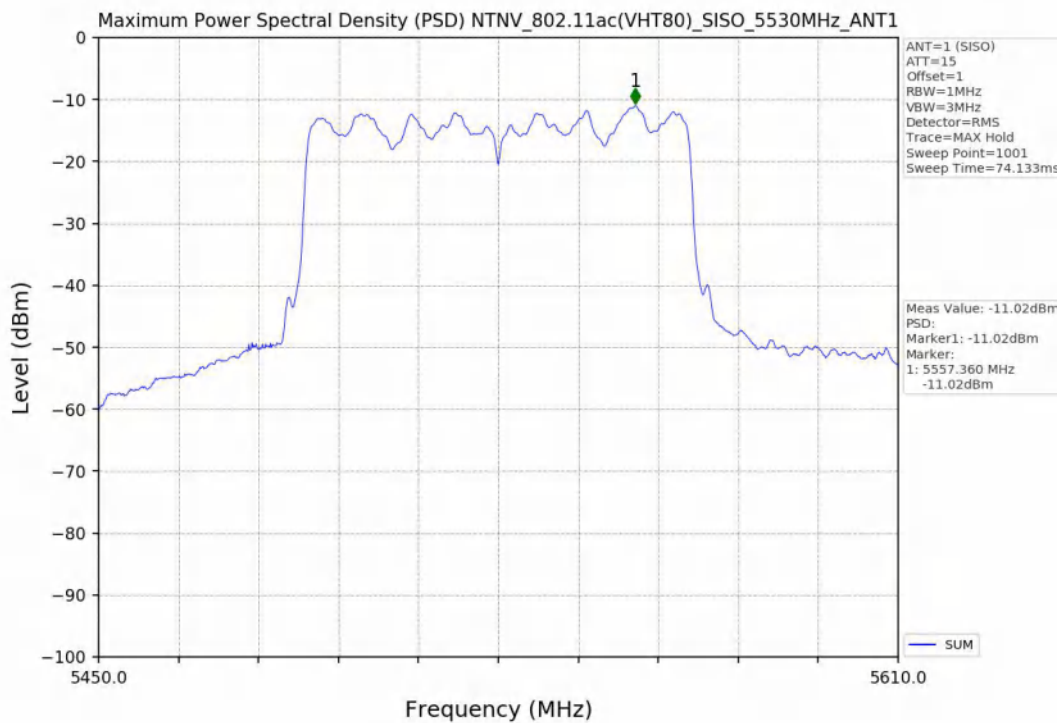












4. Frequency Stability

4.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	802.11a	5500	1	-3.64	<=20	PASS
		5580	1	-3.58	<=20	PASS
		5600	1	0	<=20	PASS
		5700	1	-7.02	<=20	PASS
	802.11n	5510	1	0	<=20	PASS
		5550	1	7.21	<=20	PASS
		5590	1	0	<=20	PASS
		5670	1	0	<=20	PASS
	802.11ac	5530	1	14.47	<=20	PASS
		5610	1	-14.26	<=20	PASS