

Appendix for 15.407

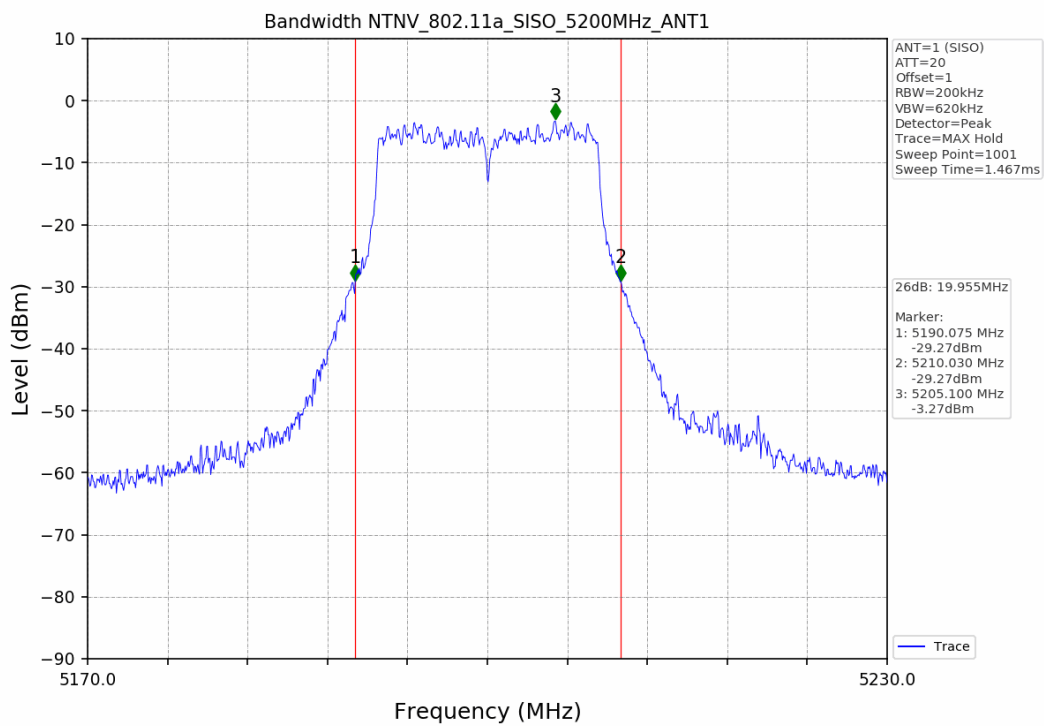
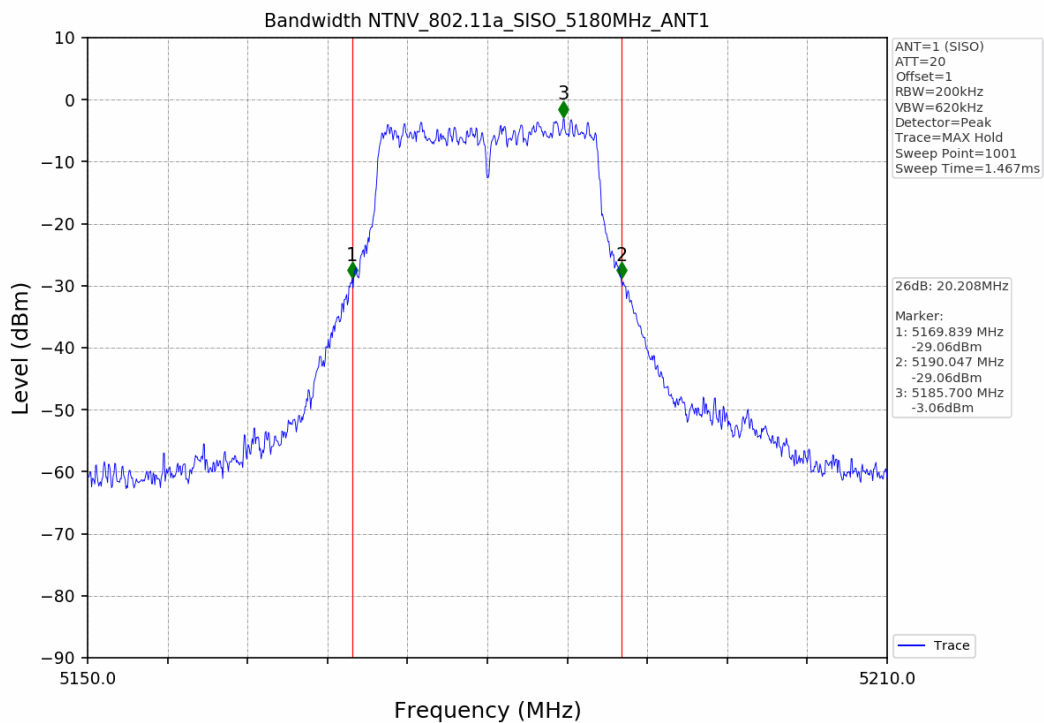
1. Bandwidth

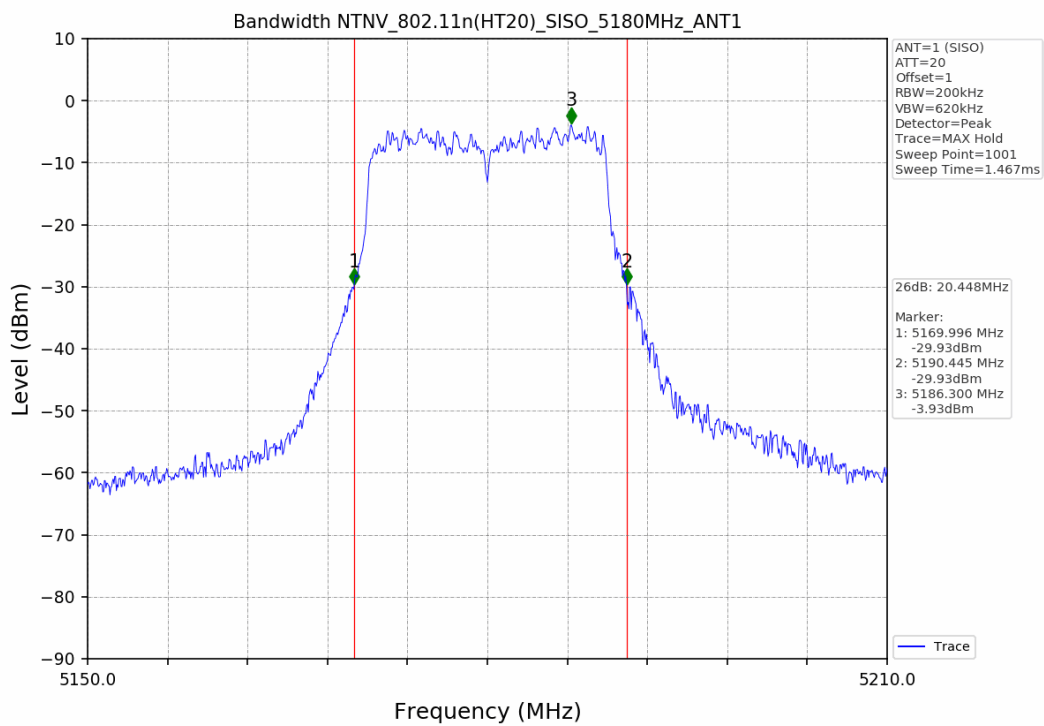
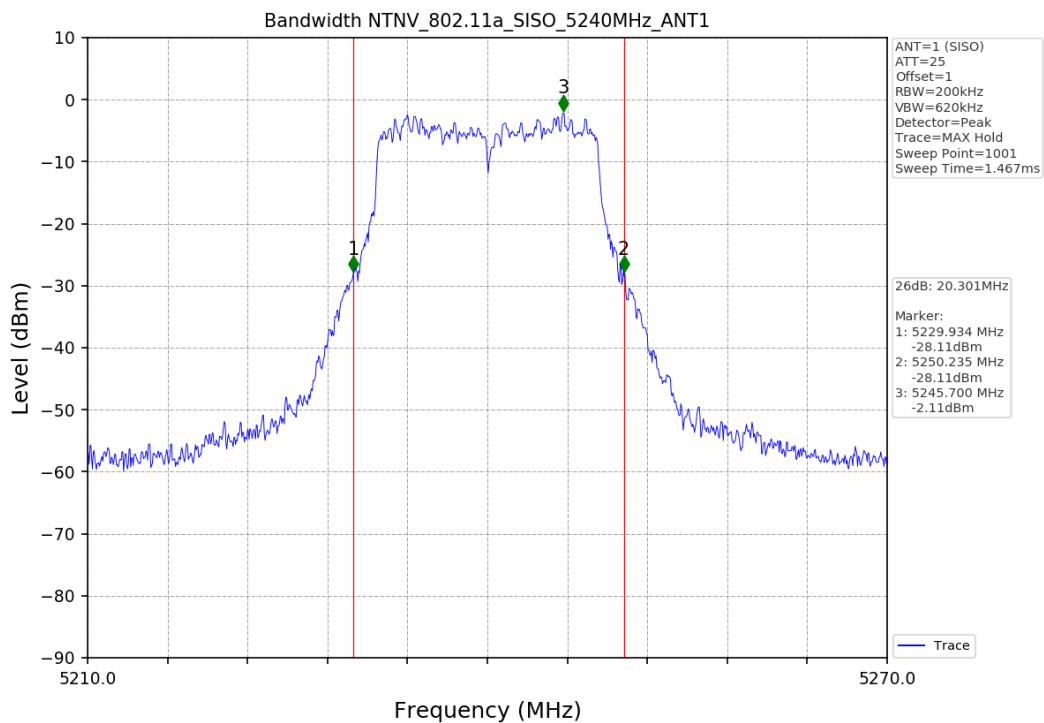
1.1 Test Result

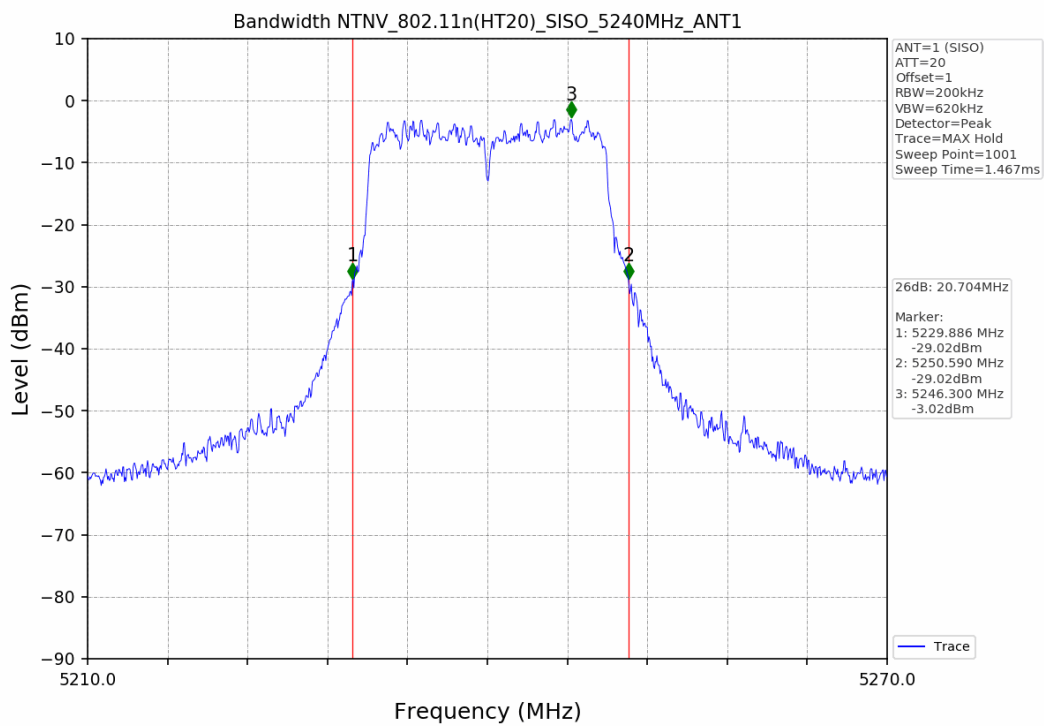
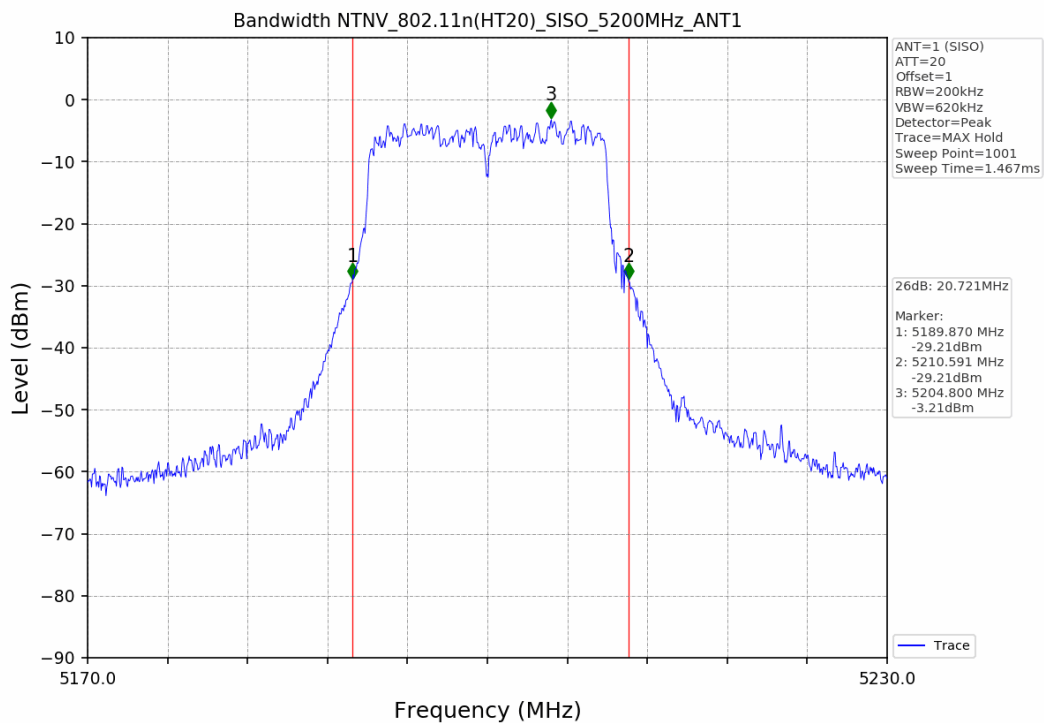
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	20.208	Only for Report Use	PASS
	5200	SISO	1	19.955	Only for Report Use	PASS
	5240	SISO	1	20.301	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	20.448	Only for Report Use	PASS
	5200	SISO	1	20.721	Only for Report Use	PASS
	5240	SISO	1	20.704	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	40.352	Only for Report Use	PASS
	5230	SISO	1	41.051	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	21.649	Only for Report Use	PASS
	5200	SISO	1	21.392	Only for Report Use	PASS
	5240	SISO	1	21.324	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	42.276	Only for Report Use	PASS
	5230	SISO	1	41.670	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	82.575	Only for Report Use	PASS

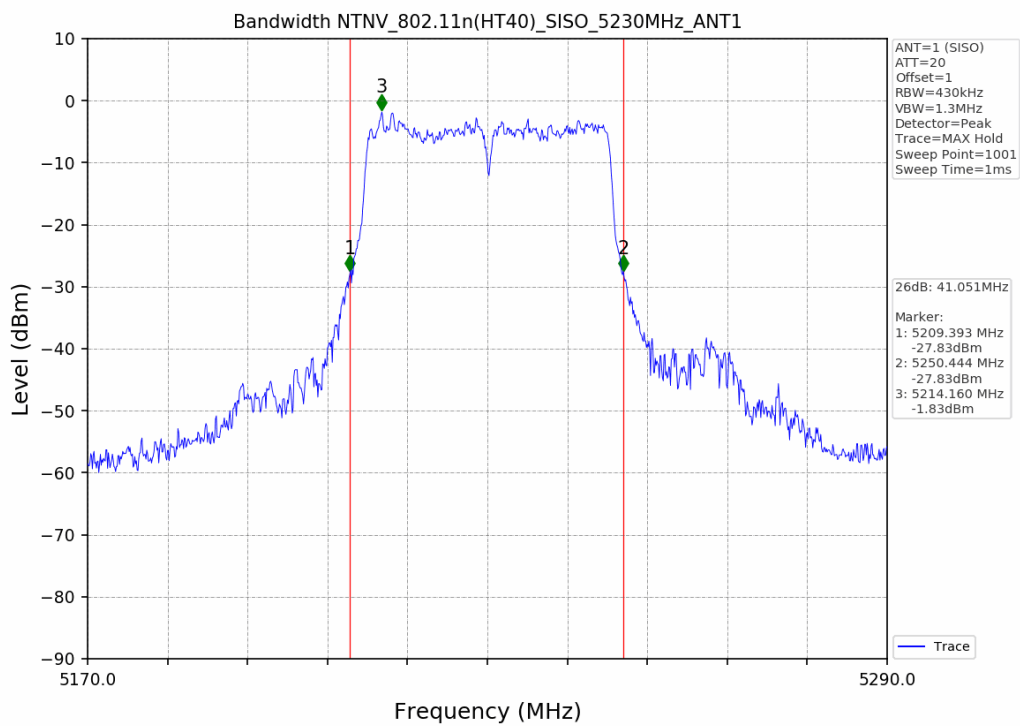
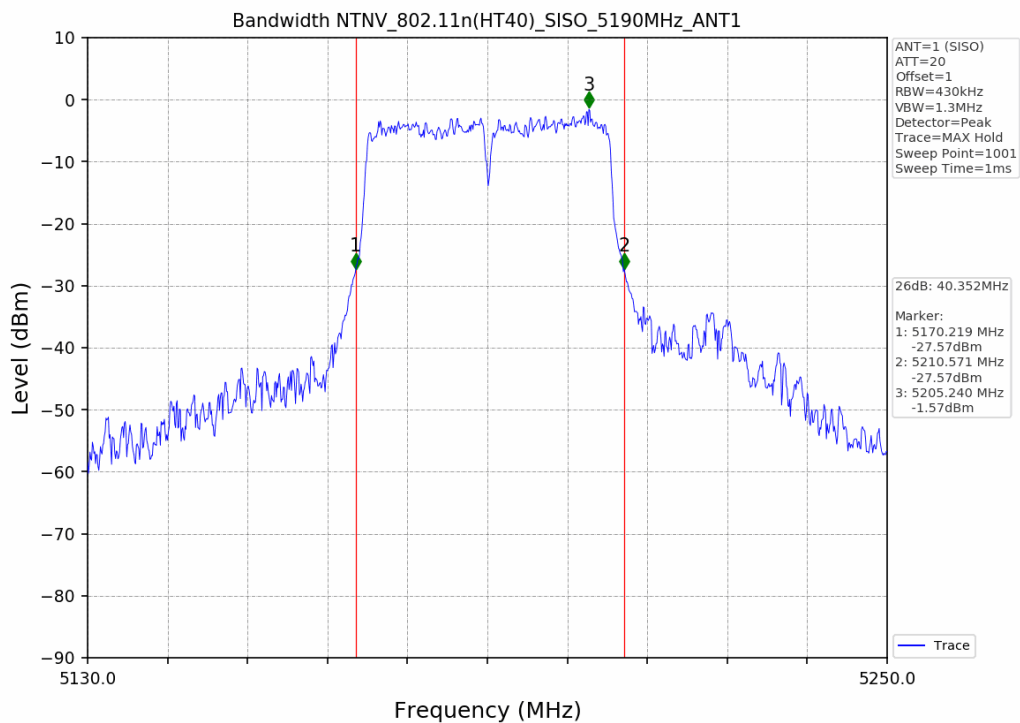
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.636	Only for Report Use
	5200	SISO	1	16.668	Only for Report Use
	5240	SISO	1	16.726	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.760	Only for Report Use
	5200	SISO	1	17.792	Only for Report Use
	5240	SISO	1	17.770	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.541	Only for Report Use
	5230	SISO	1	36.567	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.886	Only for Report Use
	5200	SISO	1	17.854	Only for Report Use
	5240	SISO	1	17.892	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.868	Only for Report Use
	5230	SISO	1	36.812	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	76.214	Only for Report Use

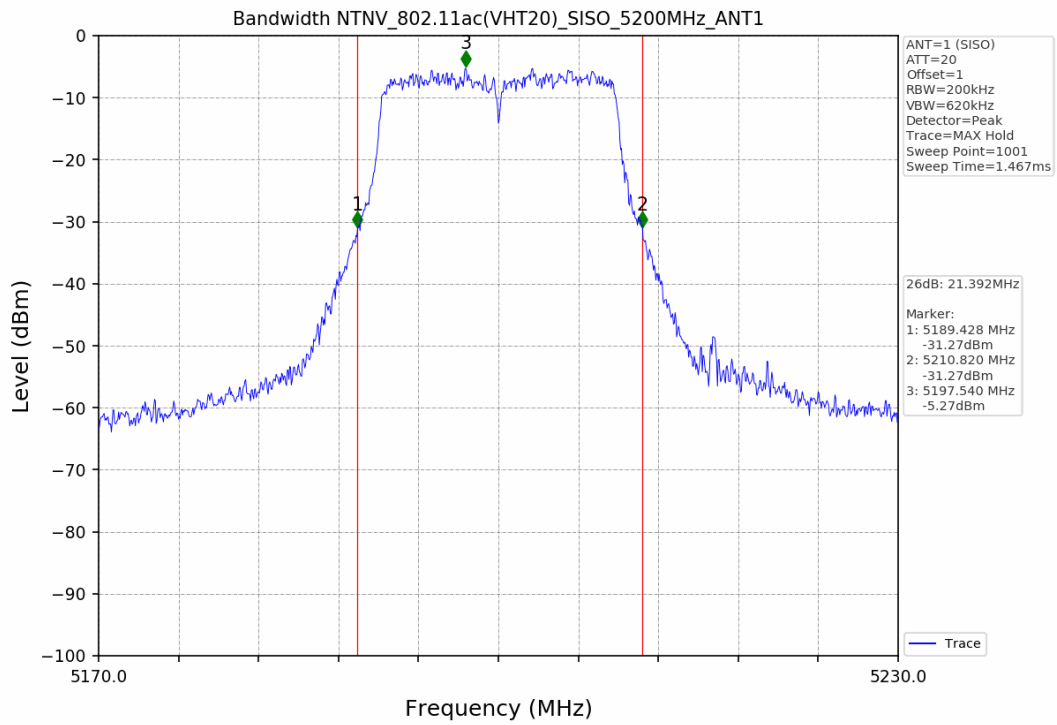
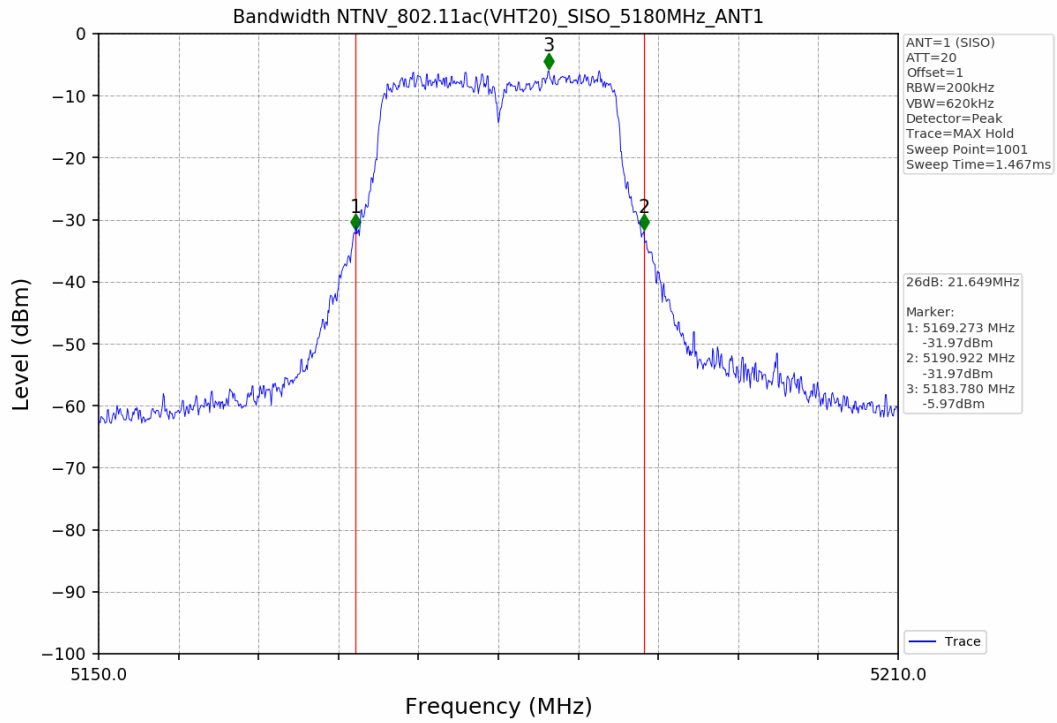
1.2 Test Graph - Emission Bandwidth

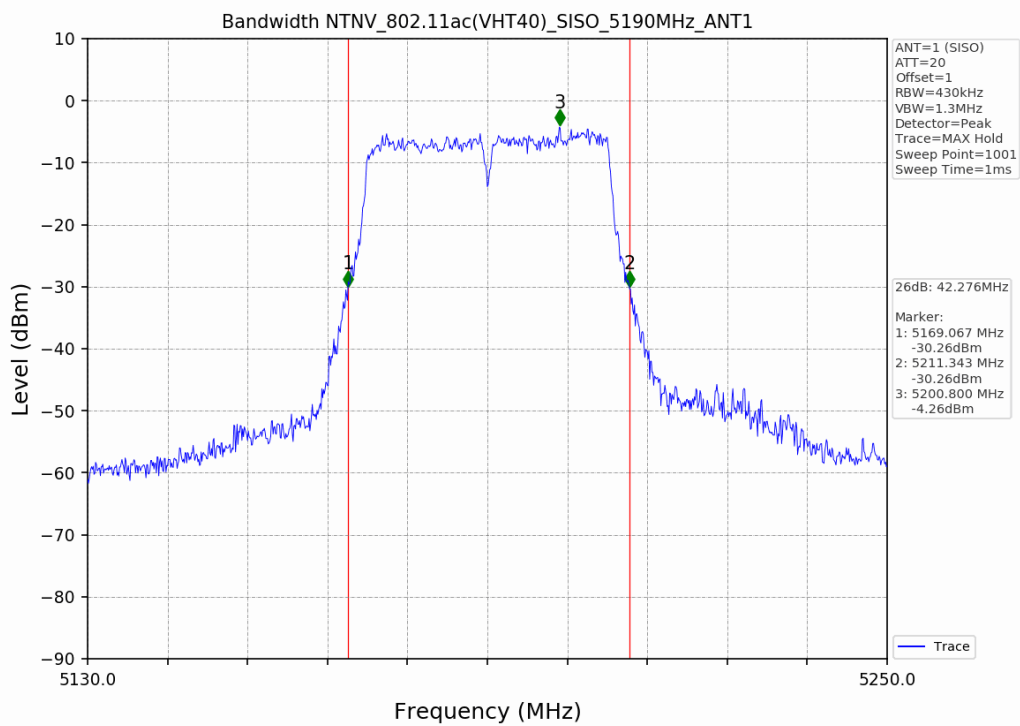
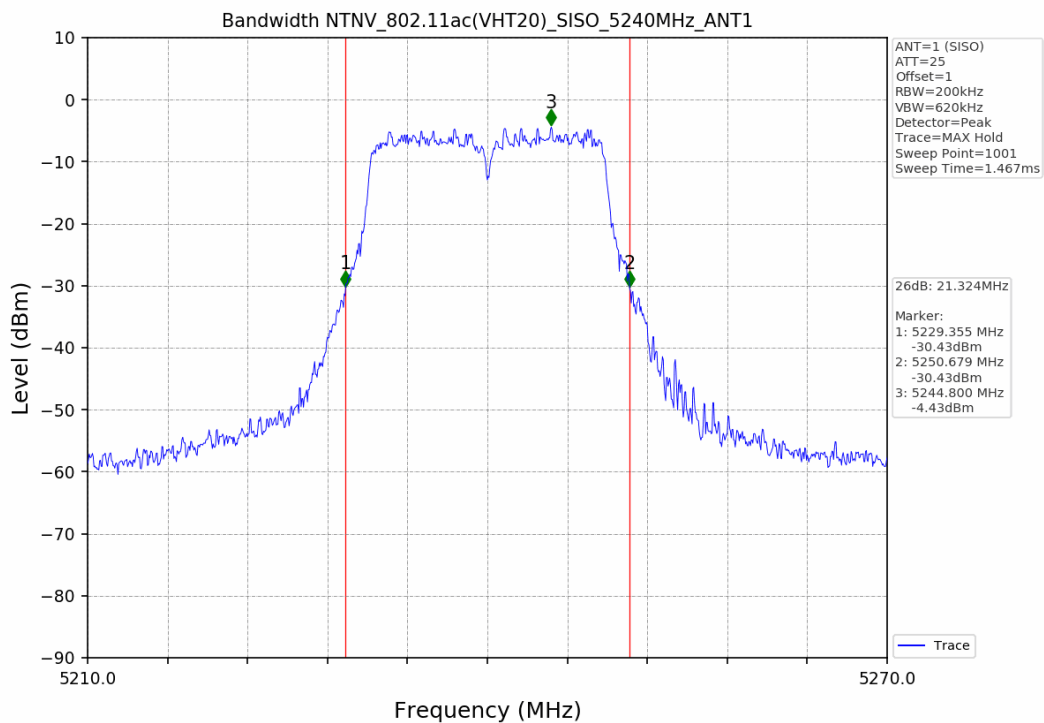


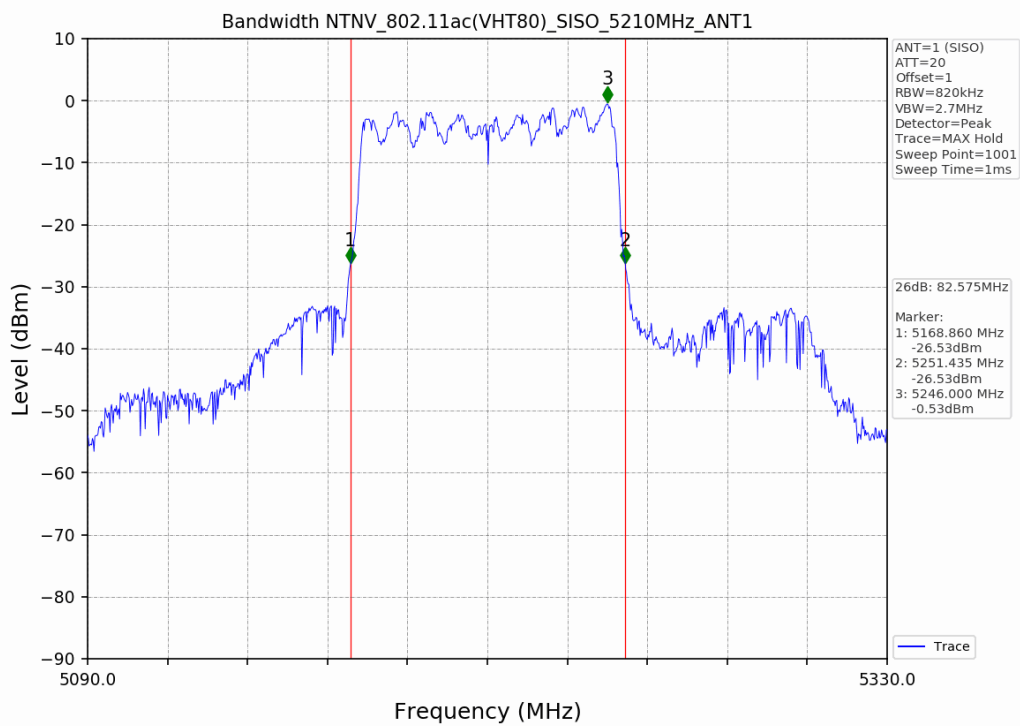
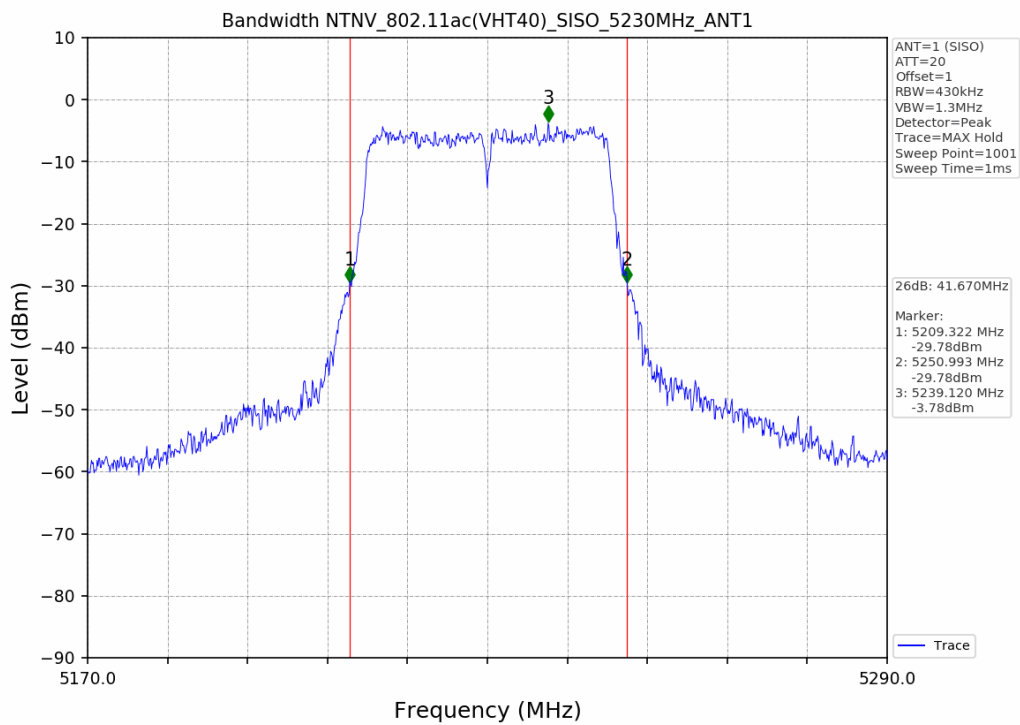




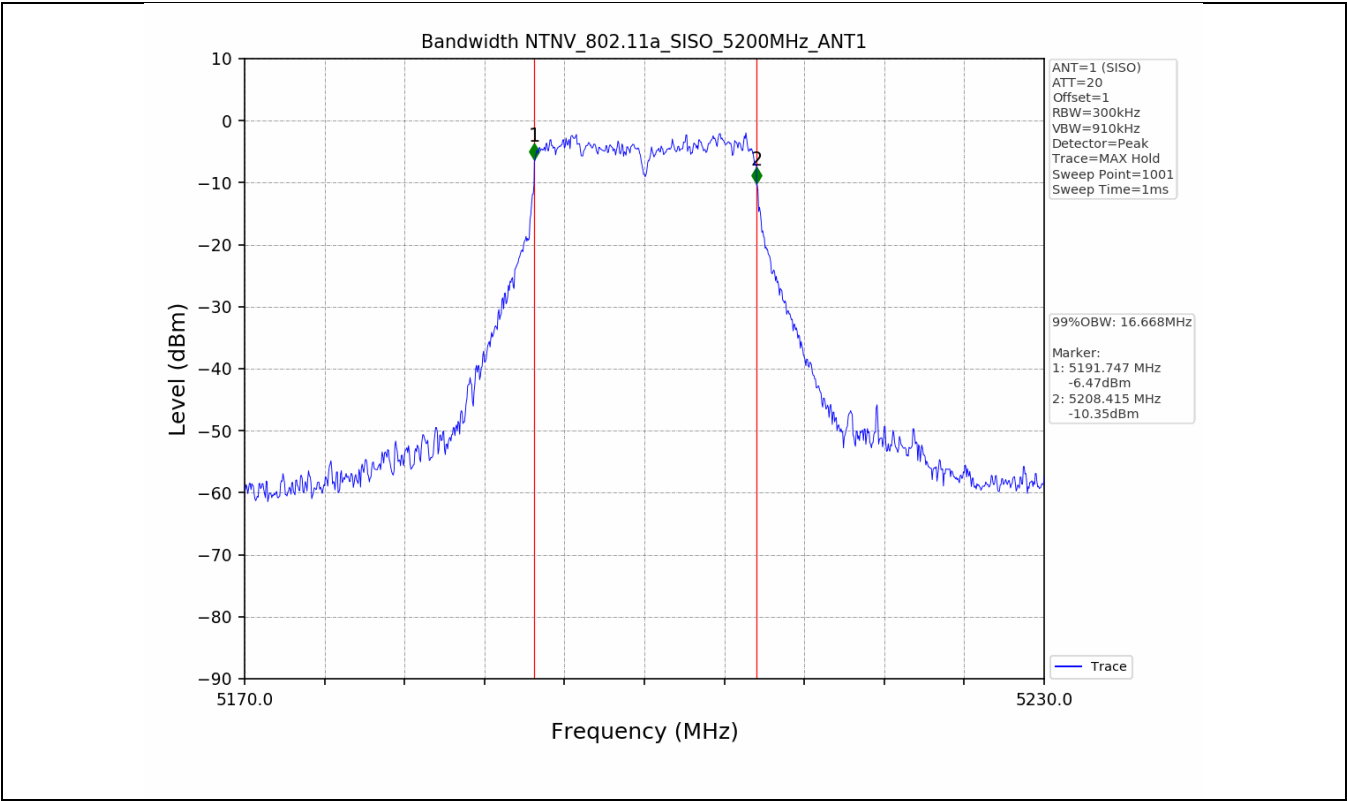
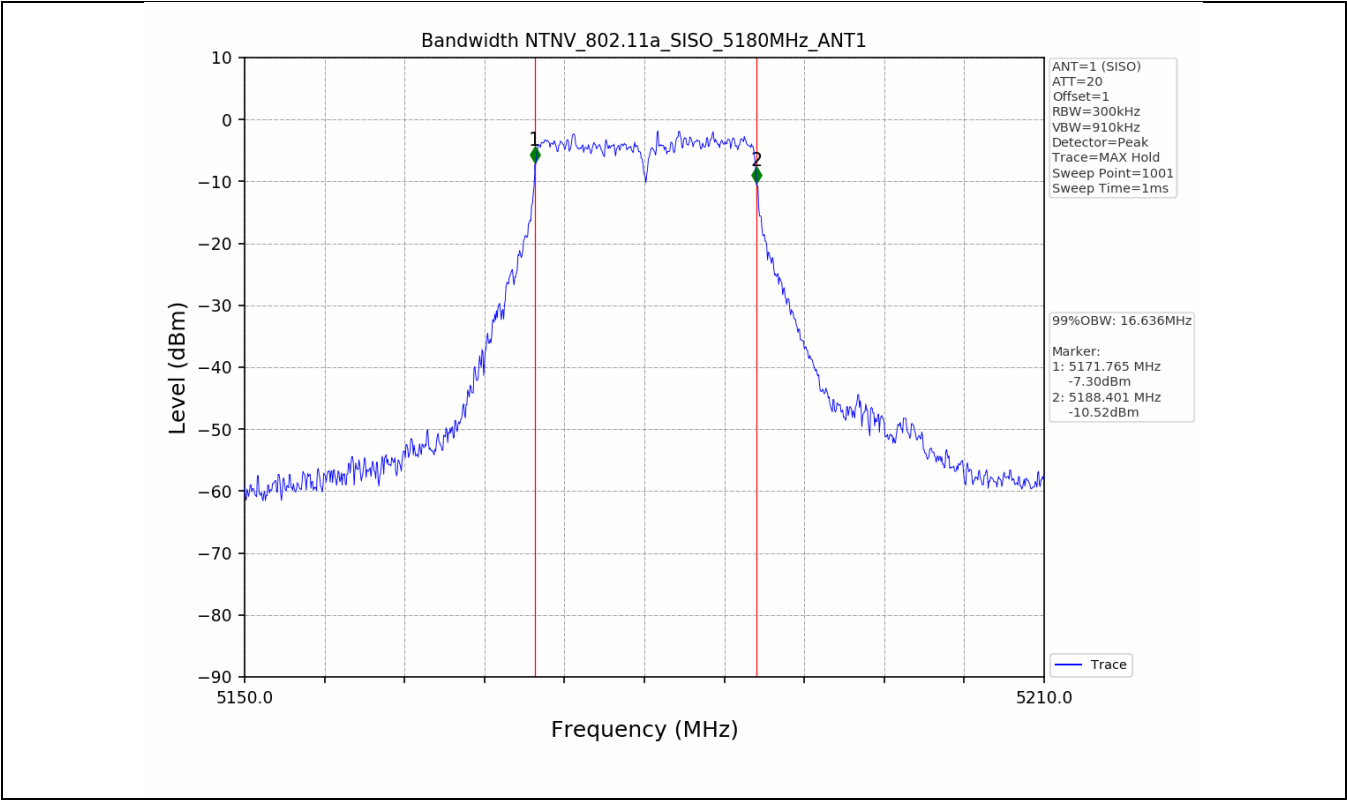


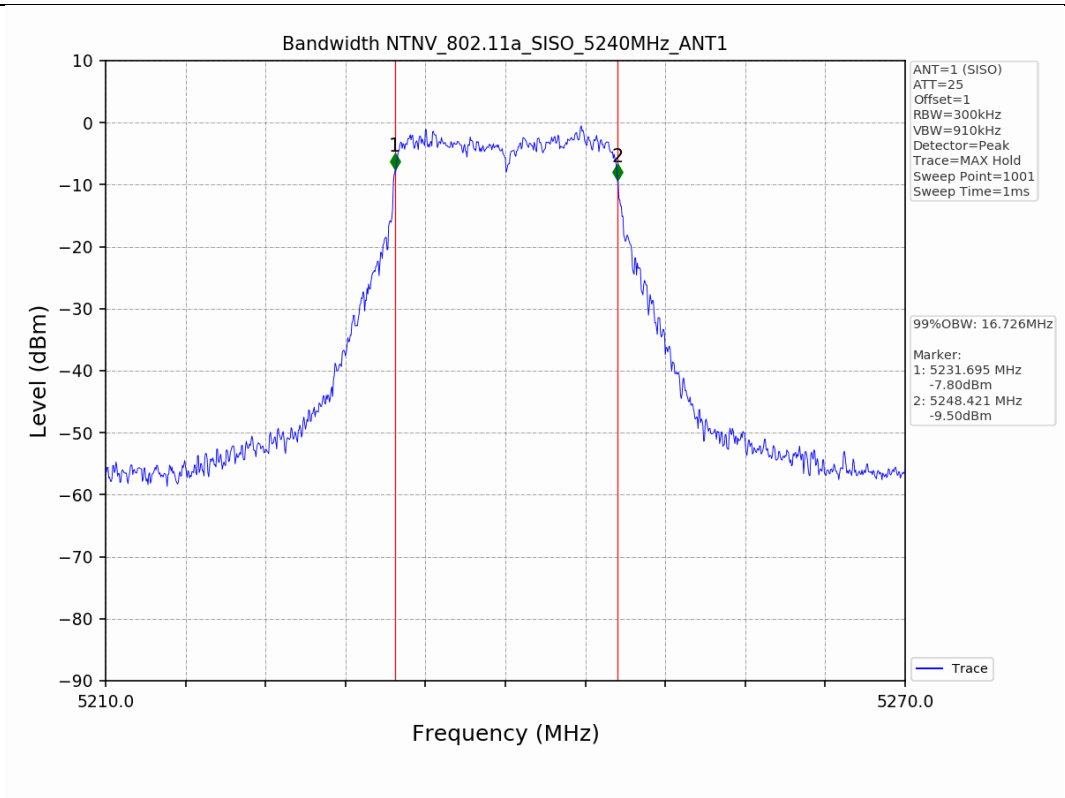


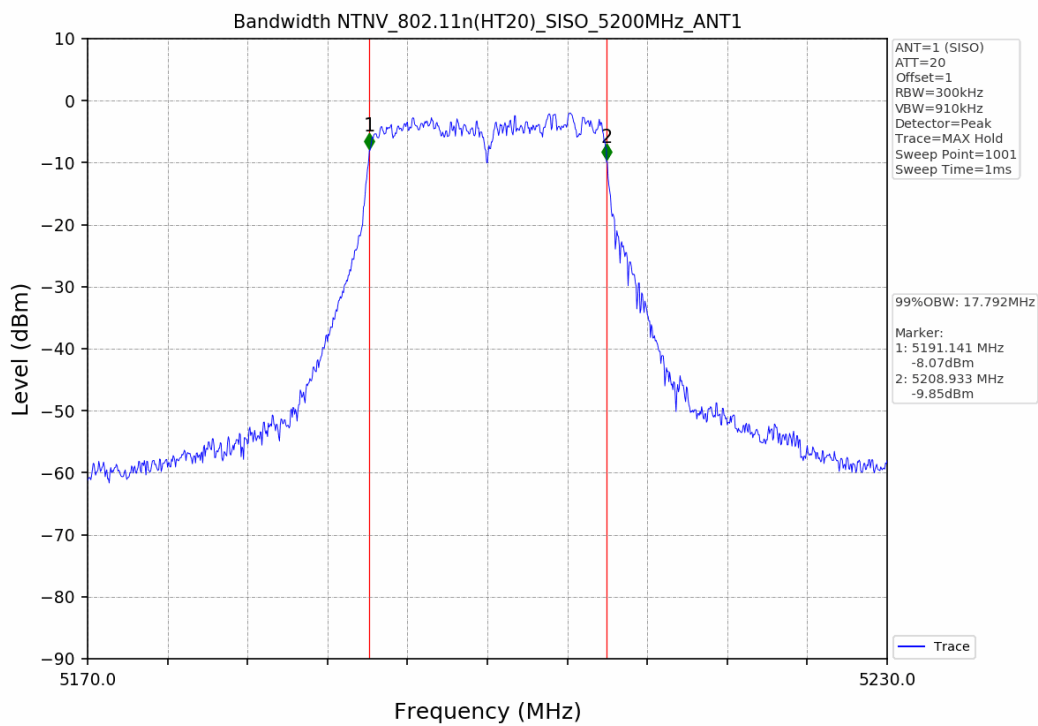
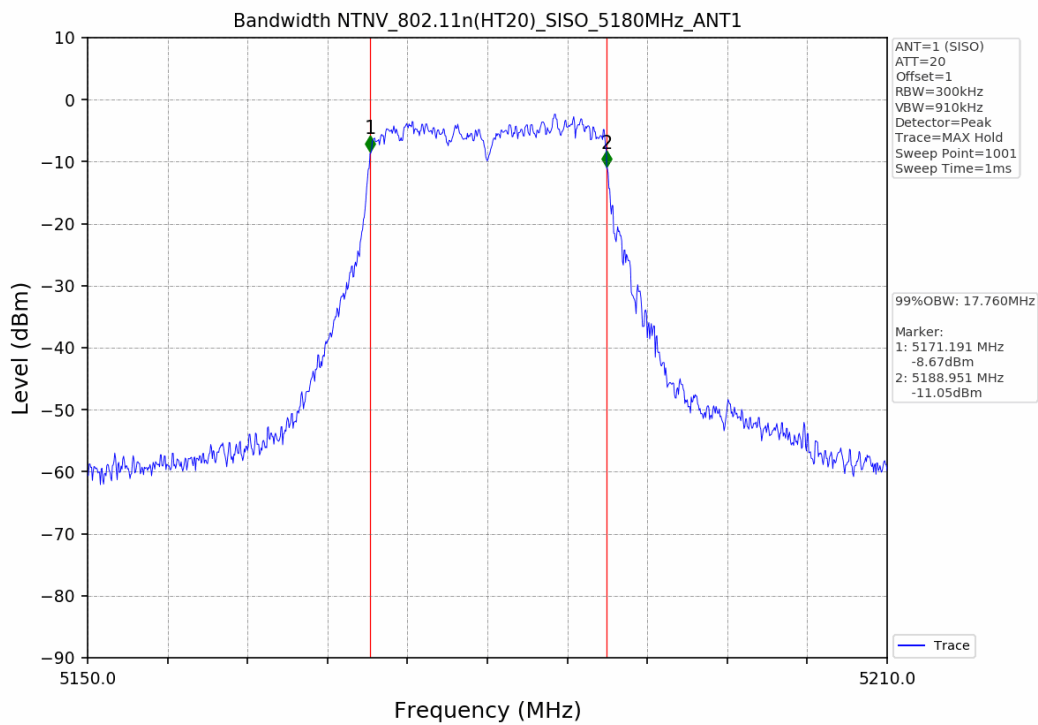


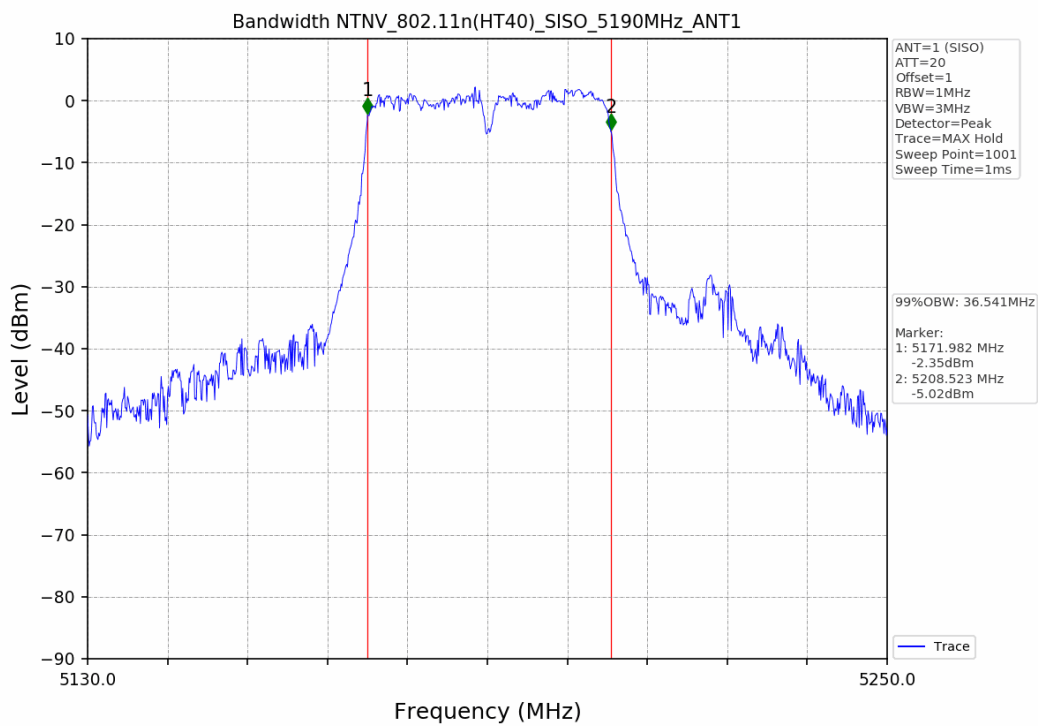
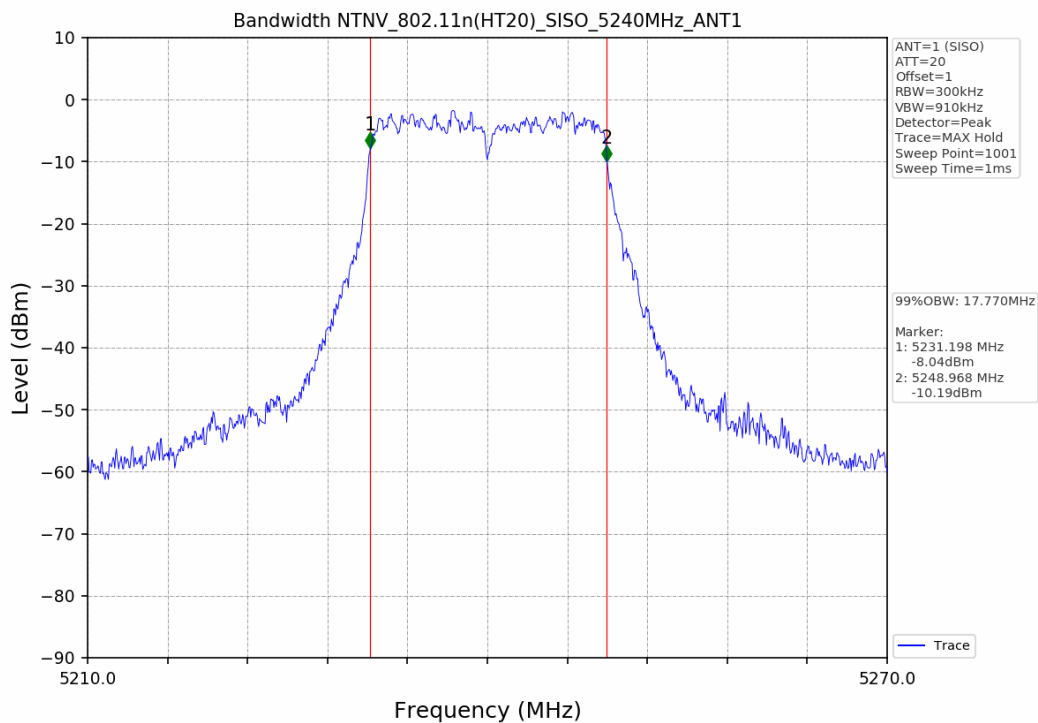


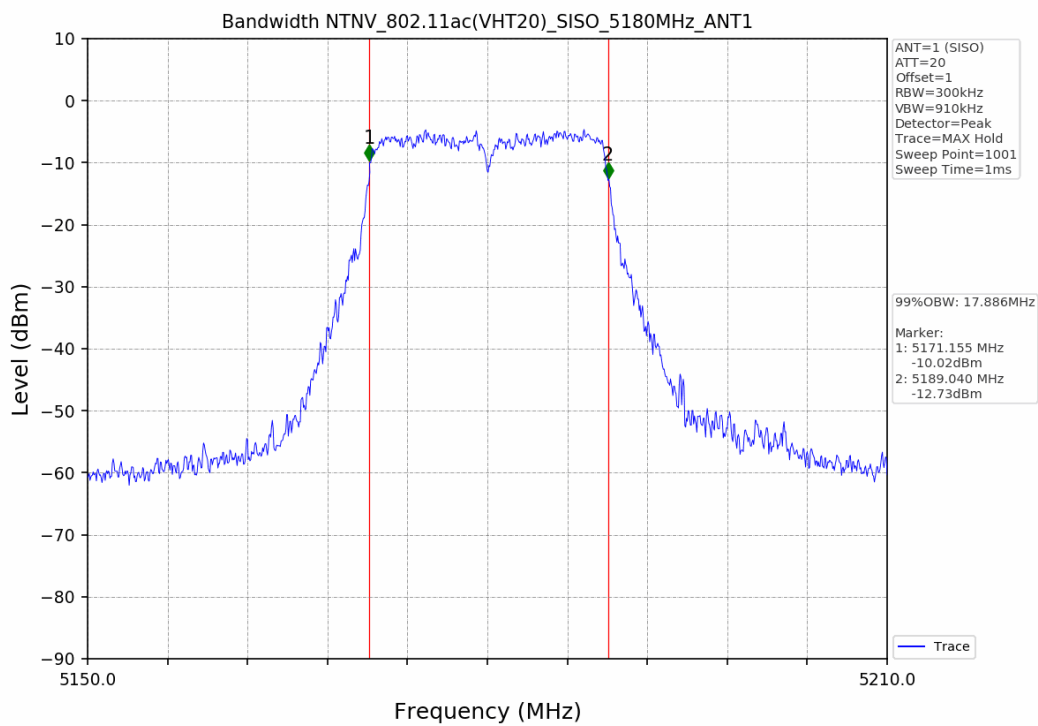
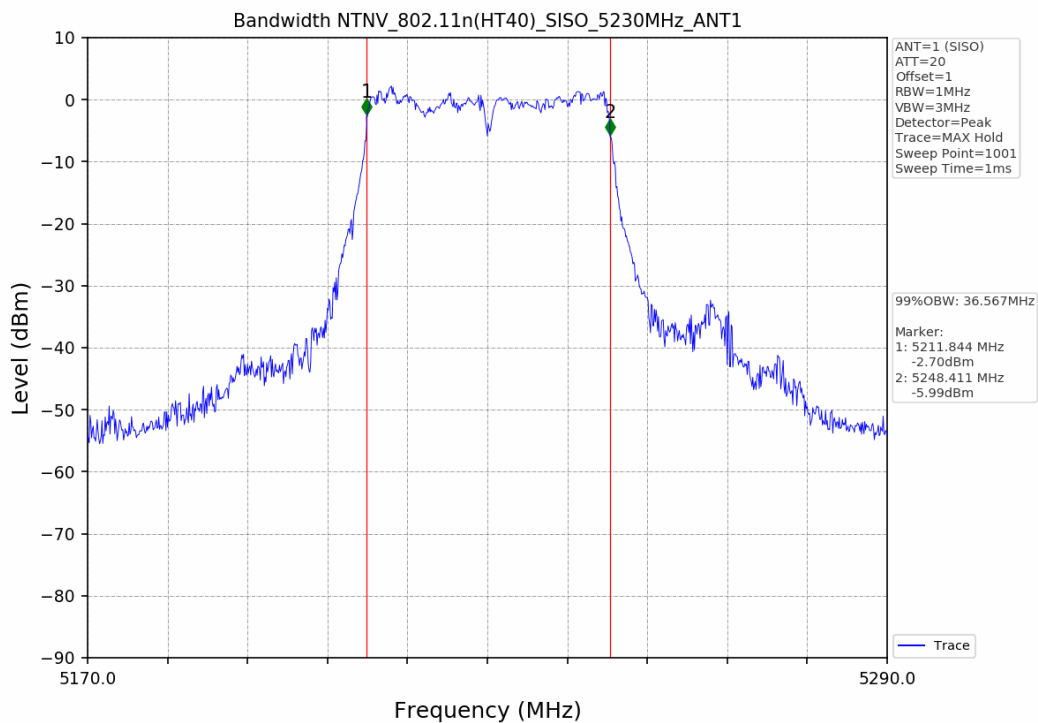
1.3 Test Graph - 99% Occupied Bandwidth

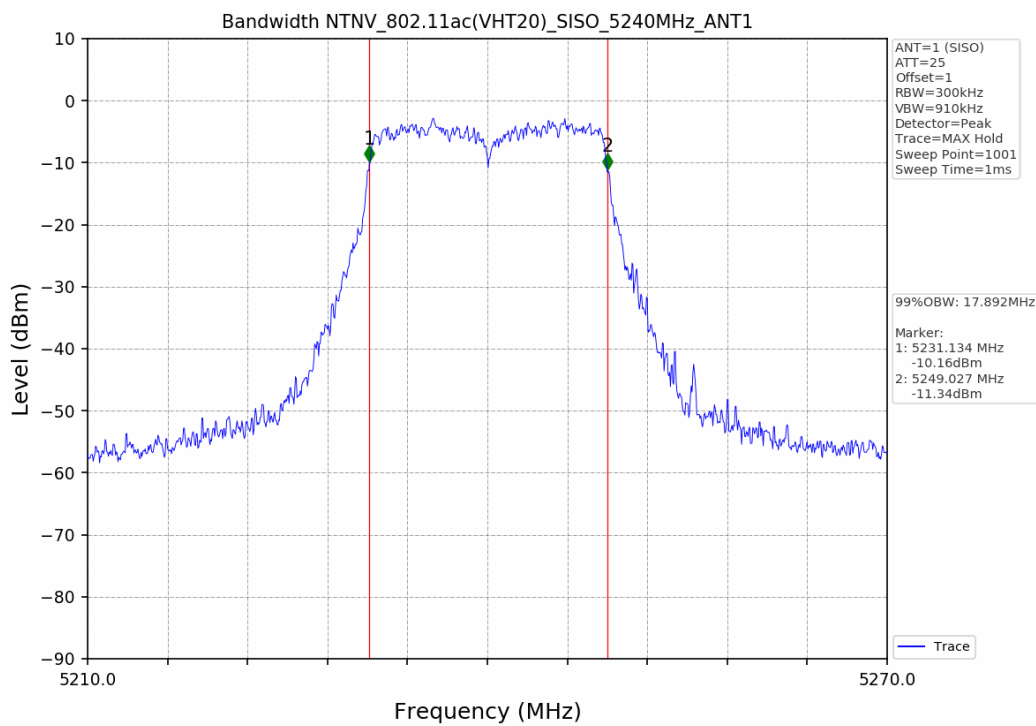
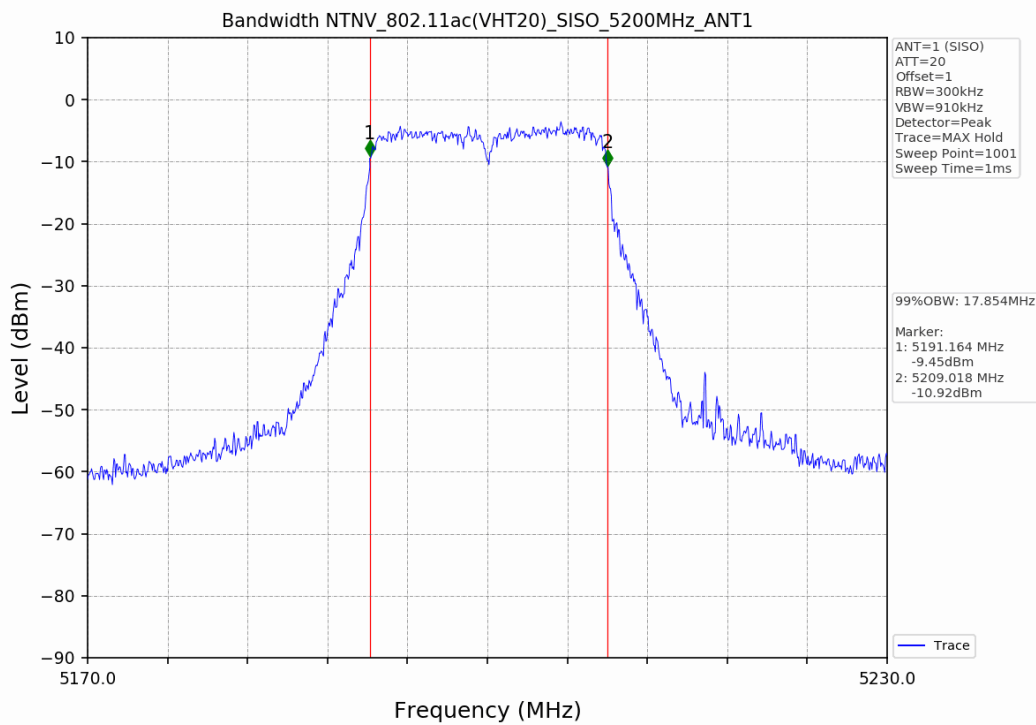


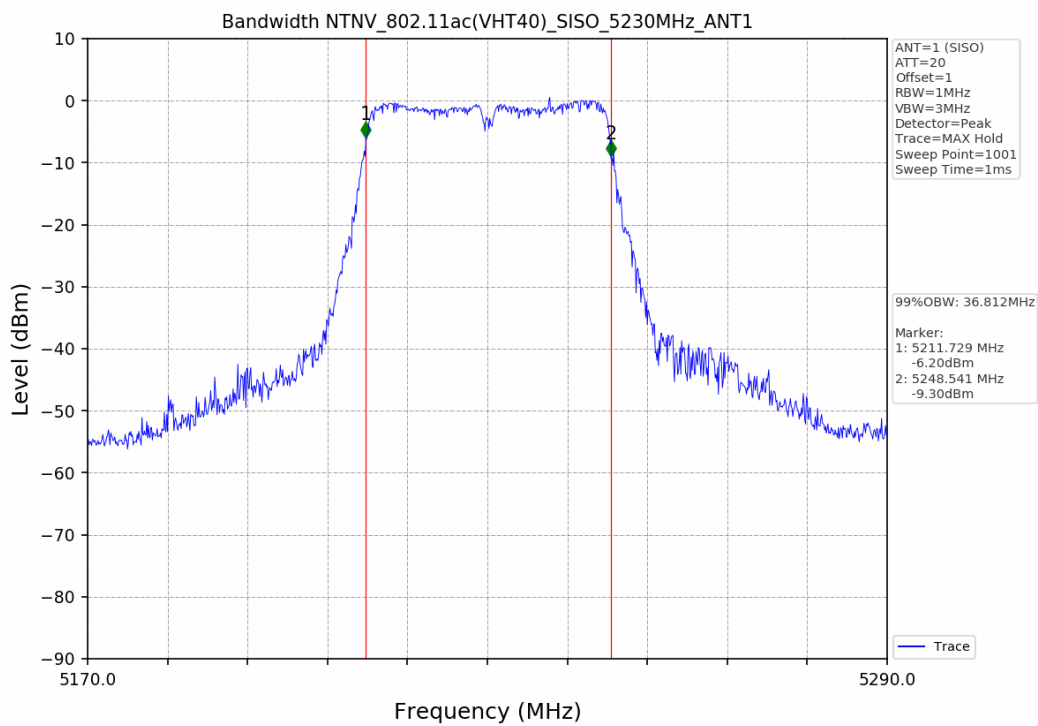
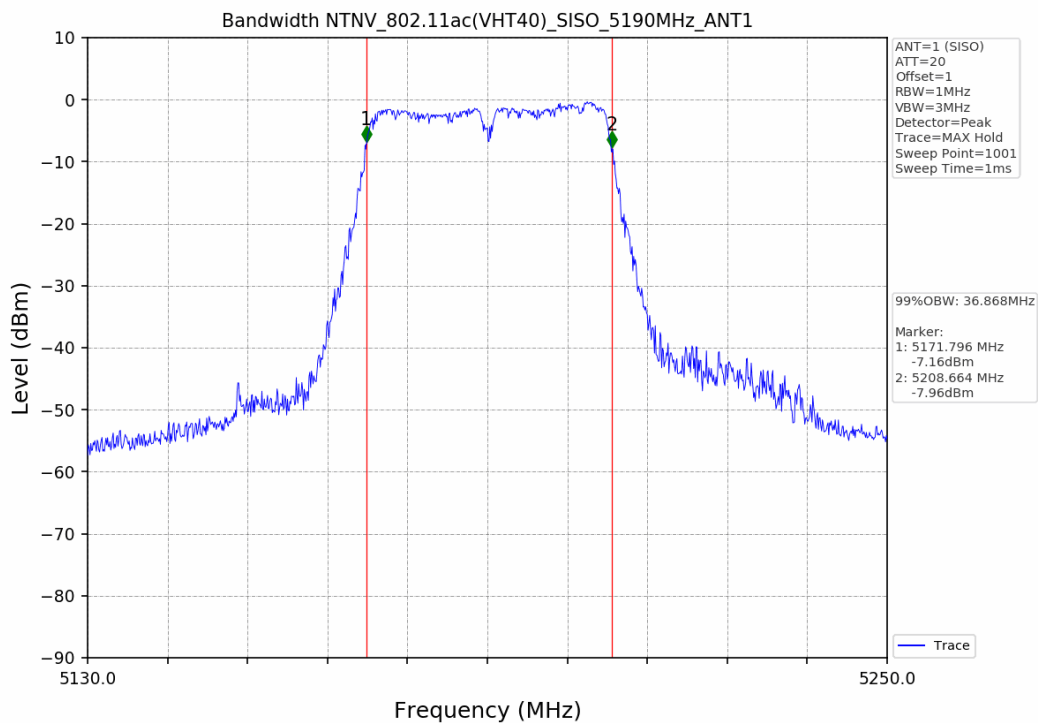


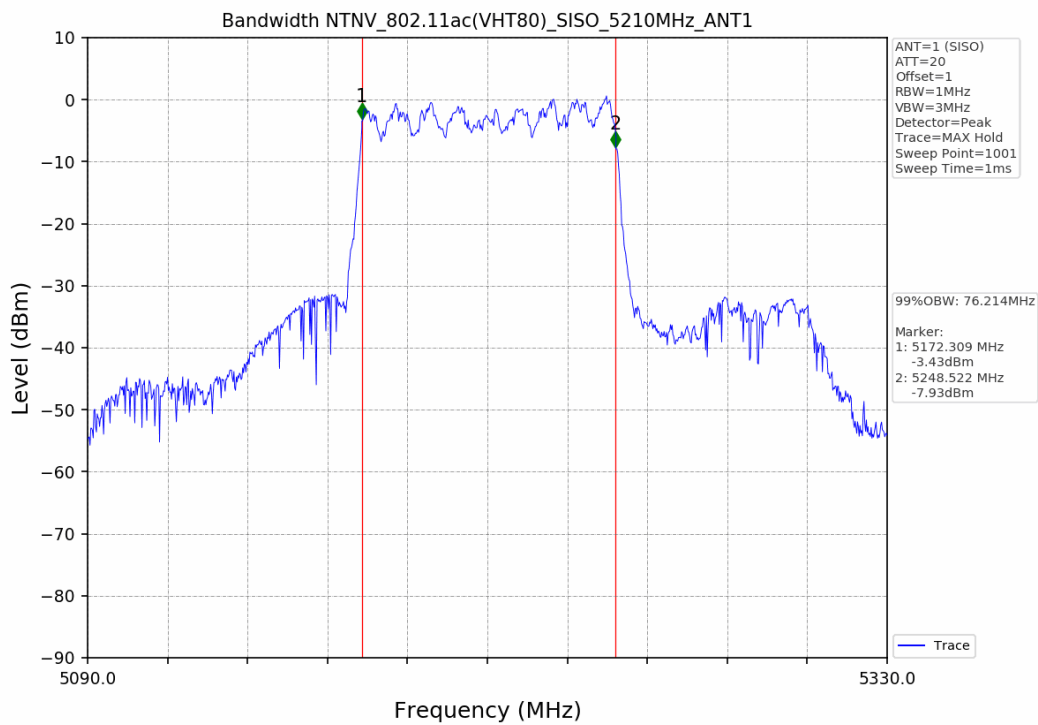










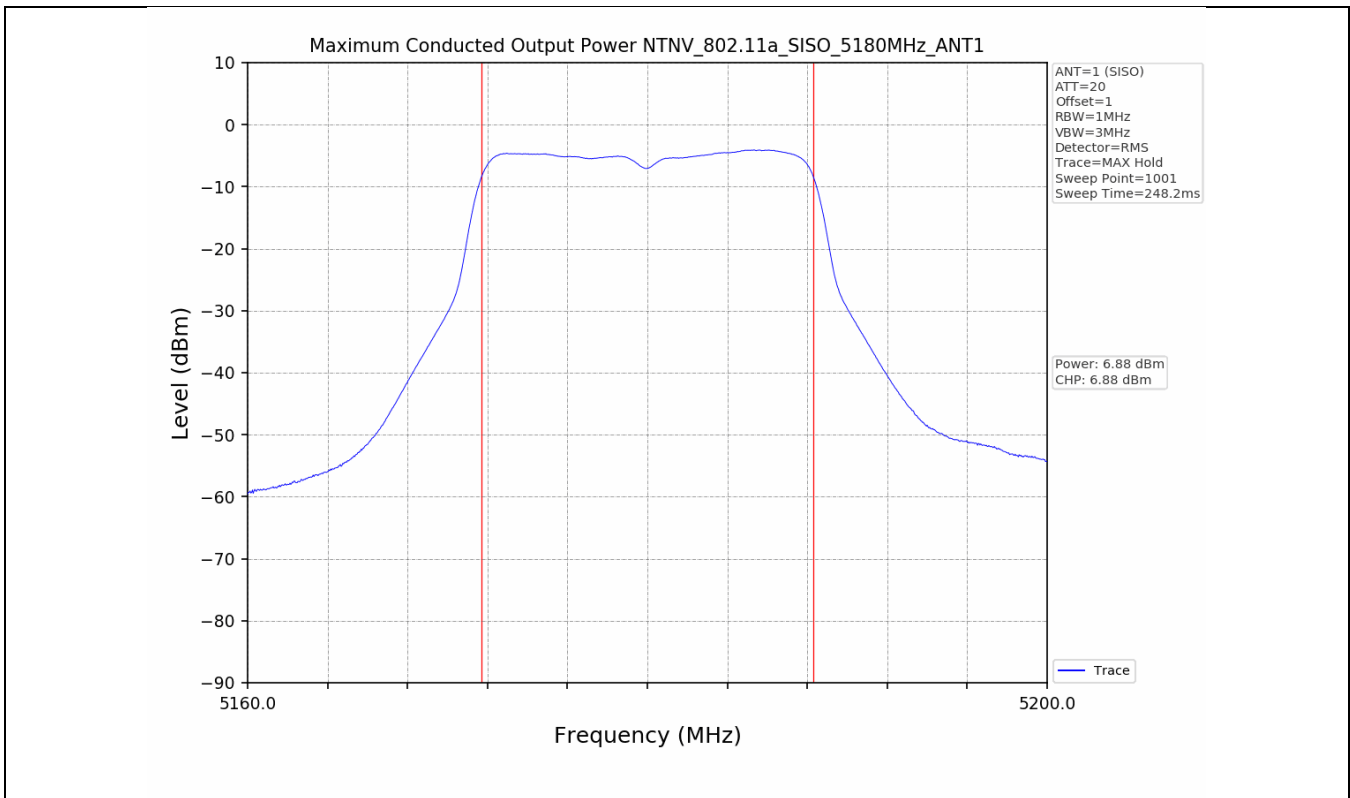


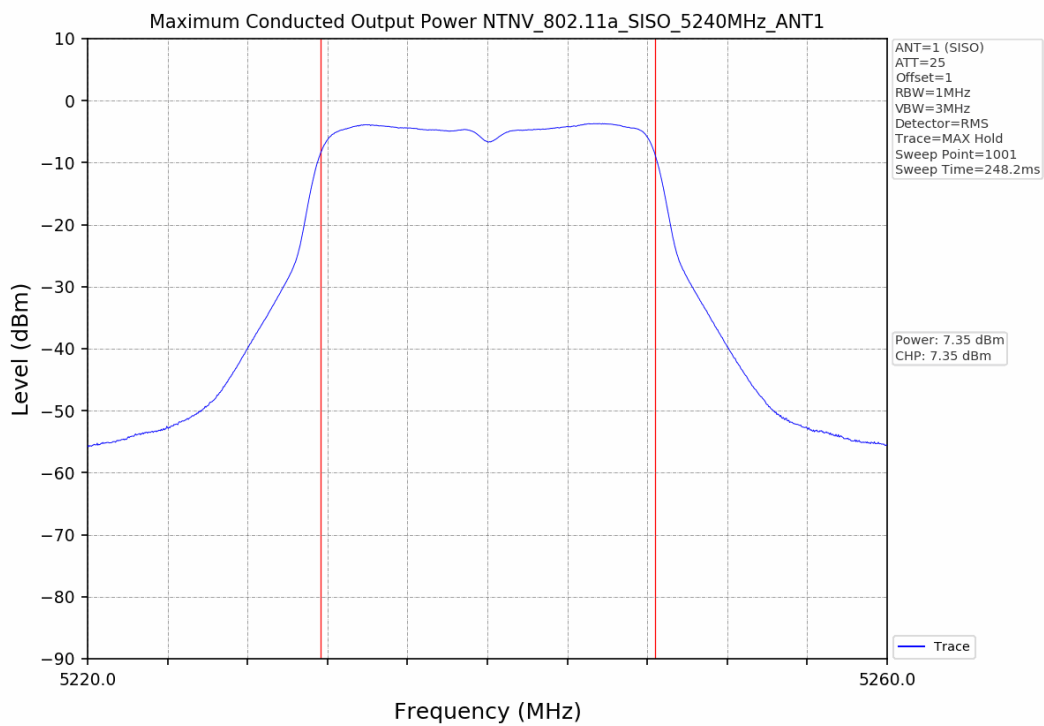
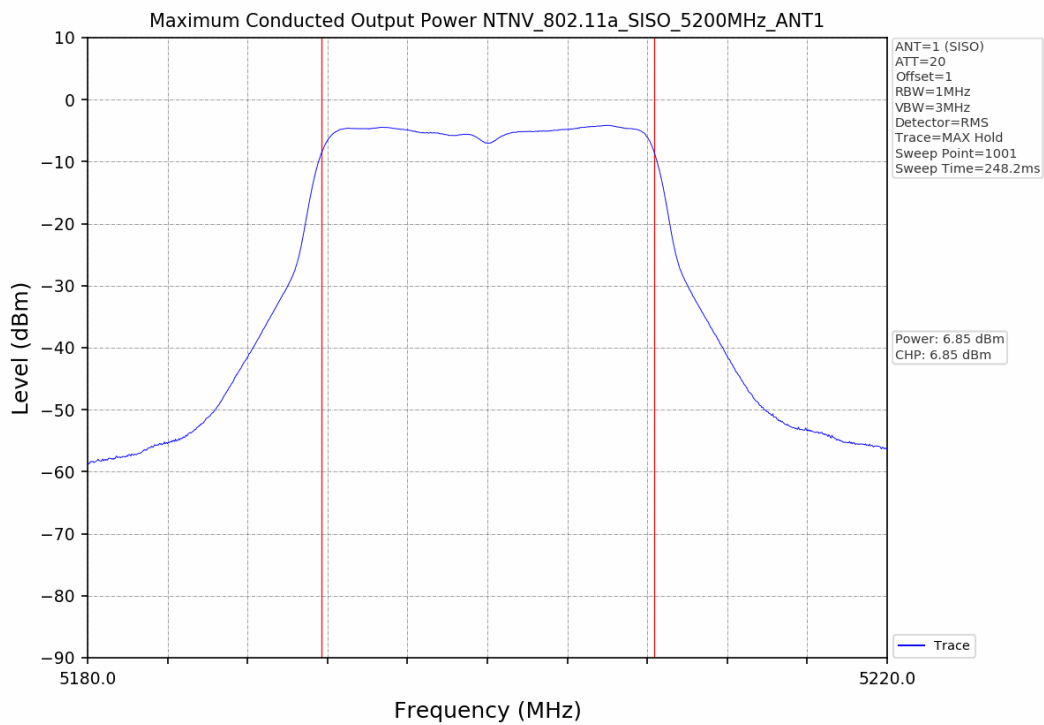
2. Maximum Conducted Output Power

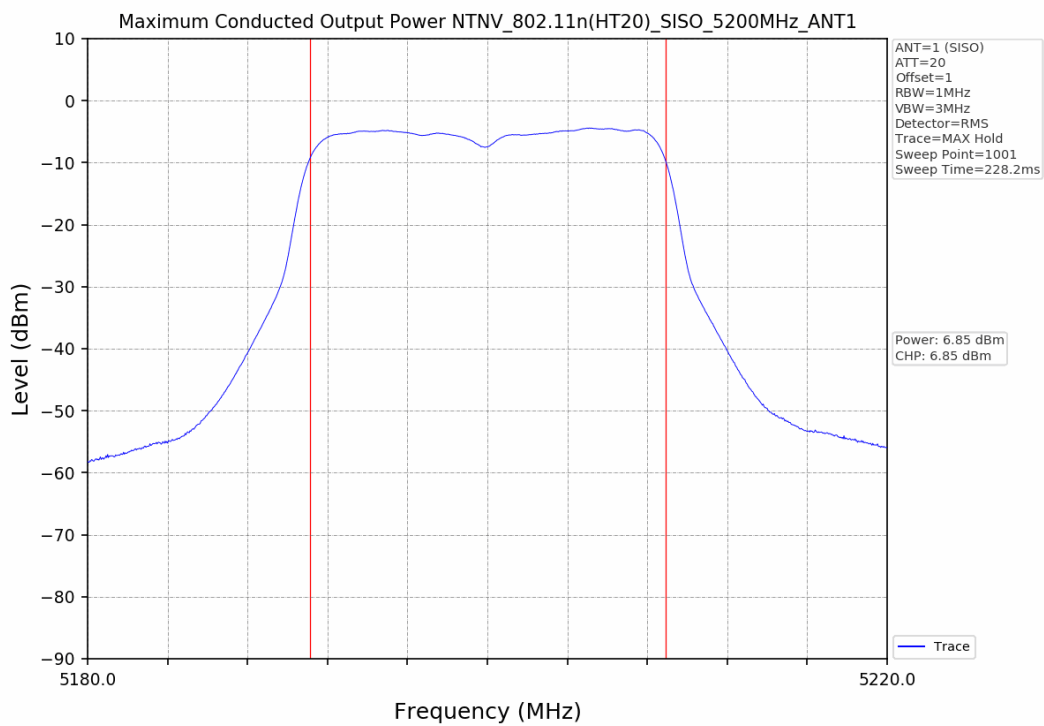
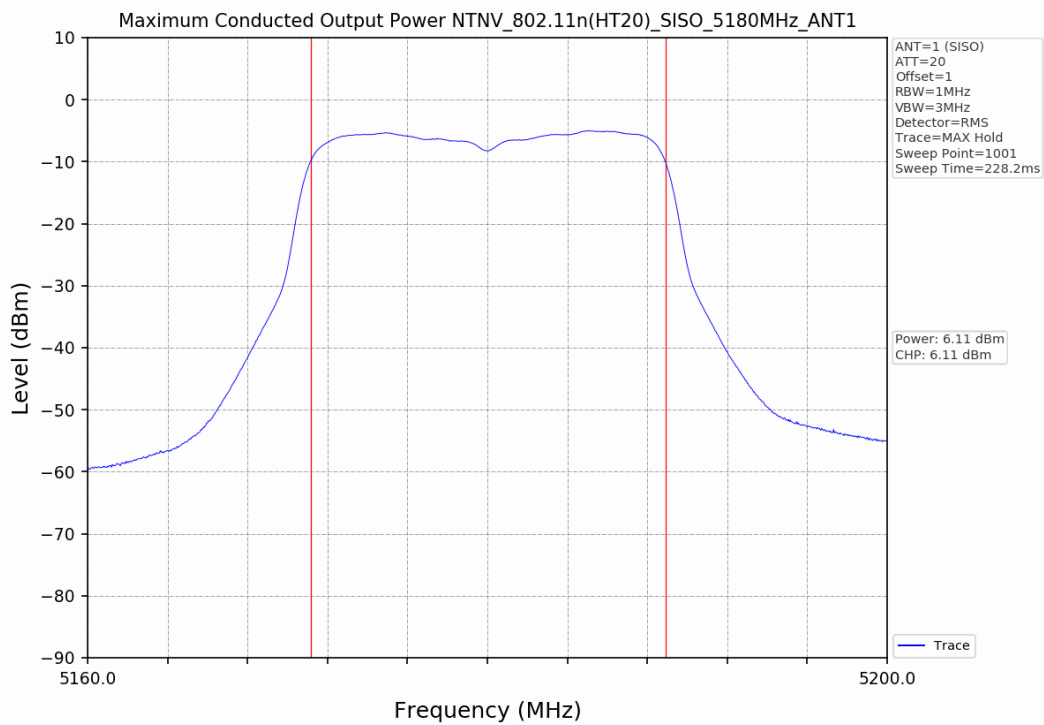
2.1 Test Result

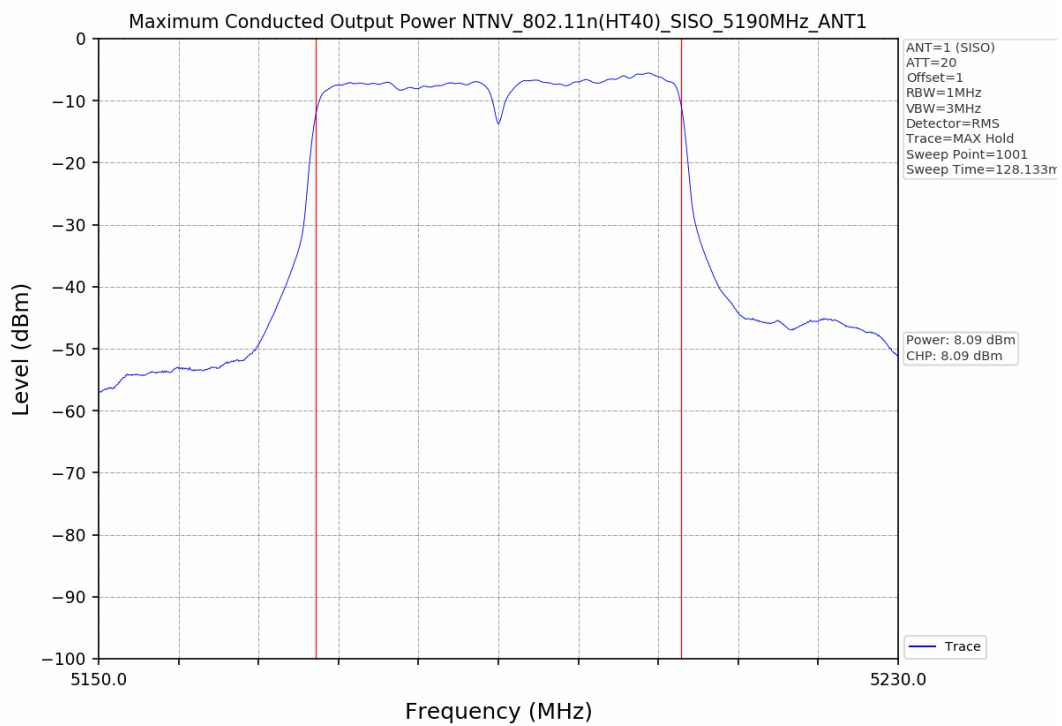
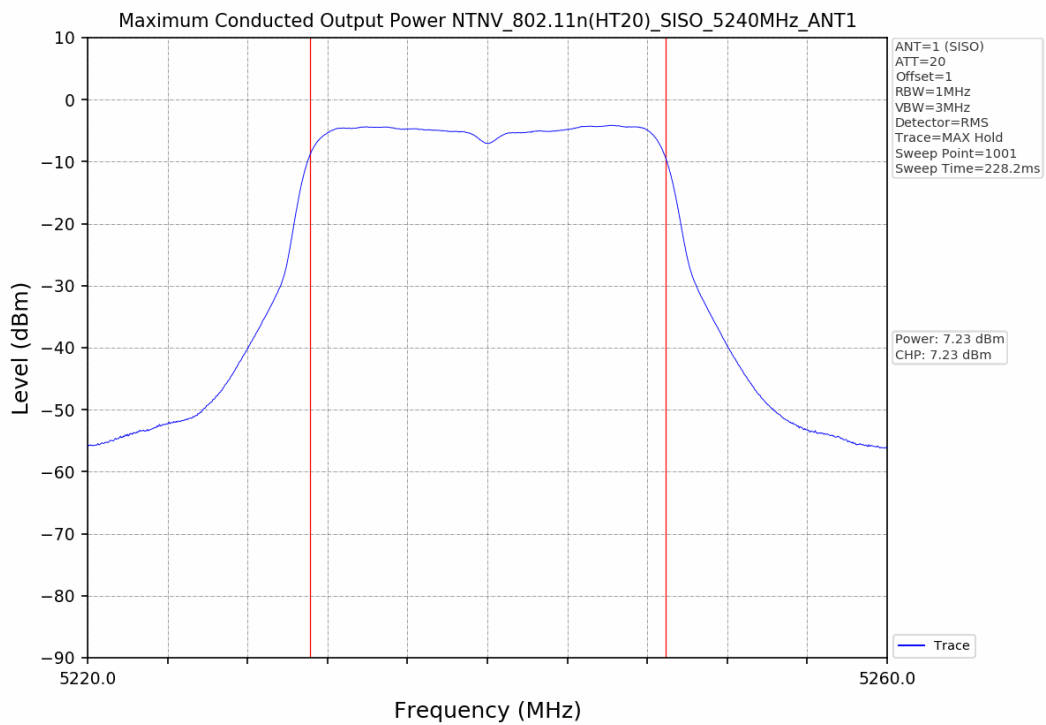
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5180	SISO	6.88	≤ 23.98	PASS
	5200	SISO	6.85	≤ 23.98	PASS
	5240	SISO	7.35	≤ 23.98	PASS
802.11n(HT20)	5180	SISO	6.11	≤ 23.98	PASS
	5200	SISO	6.85	≤ 23.98	PASS
	5240	SISO	7.23	≤ 23.98	PASS
802.11n(HT40)	5190	SISO	8.09	≤ 23.98	PASS
	5230	SISO	7.89	≤ 23.98	PASS
802.11ac(VHT20)	5180	SISO	4.93	≤ 23.98	PASS
	5200	SISO	5.75	≤ 23.98	PASS
	5240	SISO	6.24	≤ 23.98	PASS
802.11ac(VHT40)	5190	SISO	5.79	≤ 23.98	PASS
	5230	SISO	6.57	≤ 23.98	PASS
802.11ac(VHT80)	5210	SISO	8.65	≤ 23.98	PASS

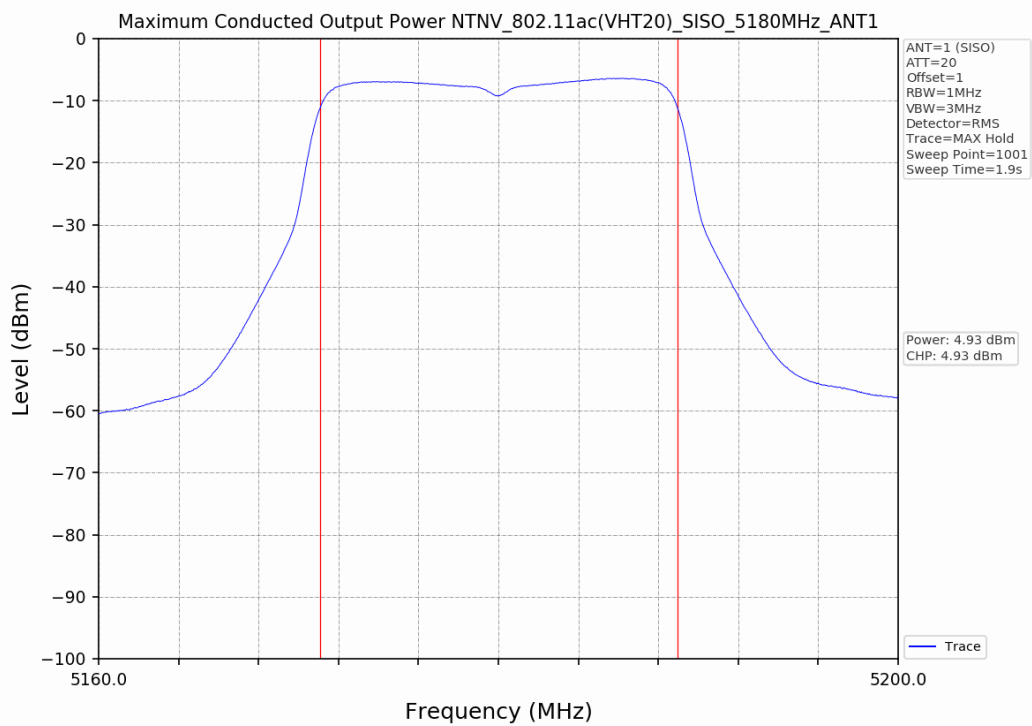
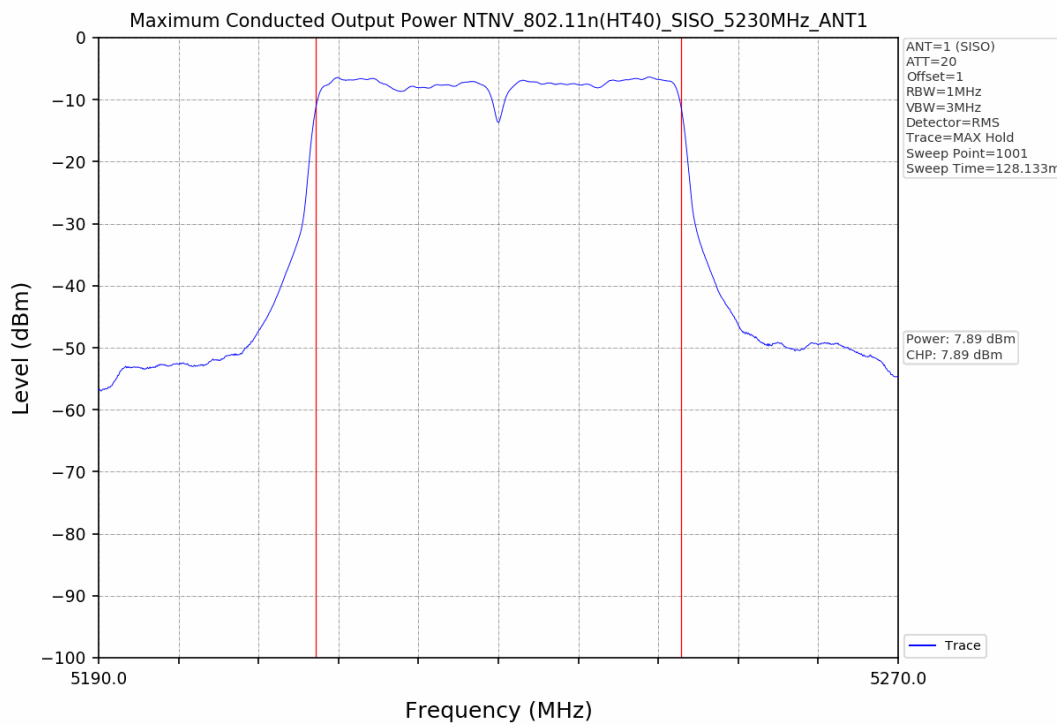
2.2 Test Graph

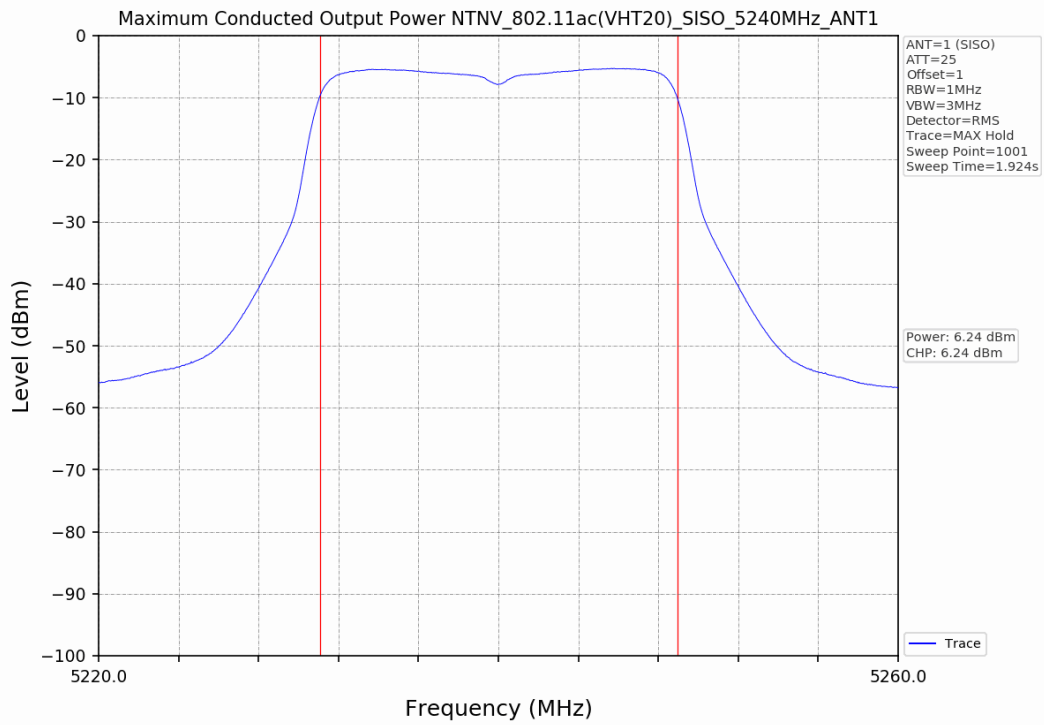
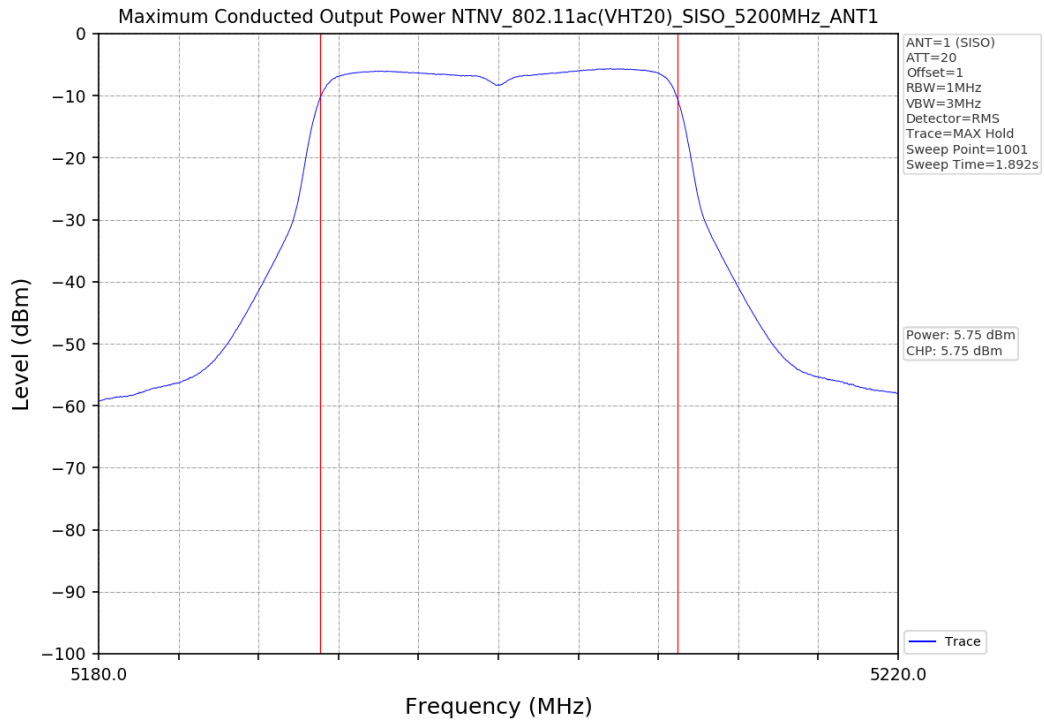


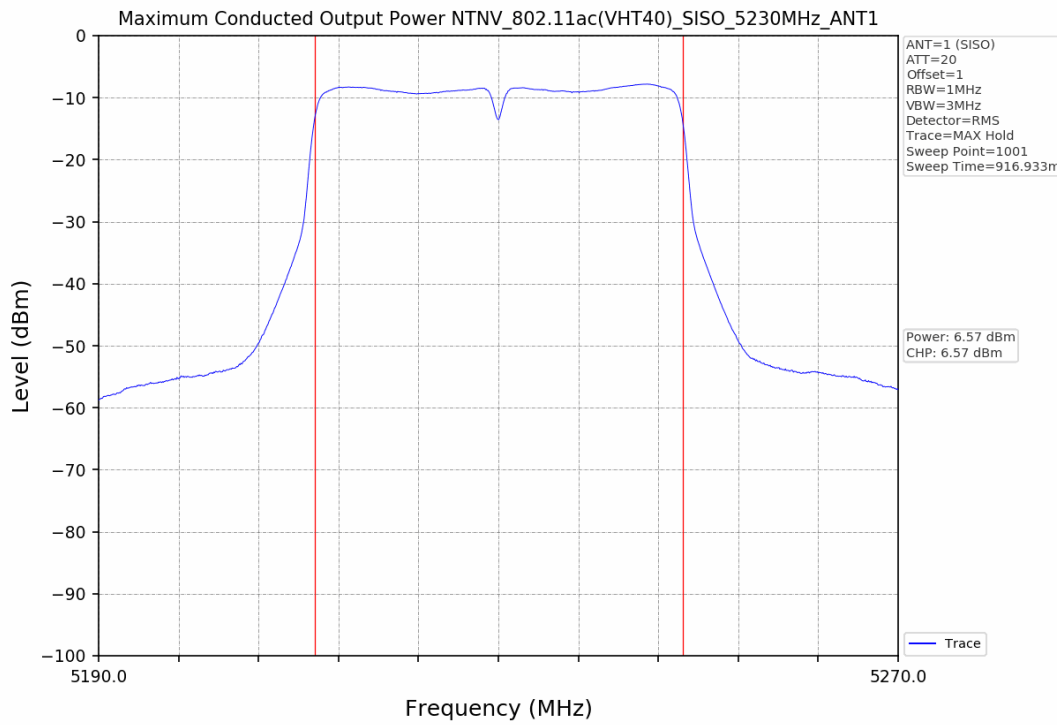
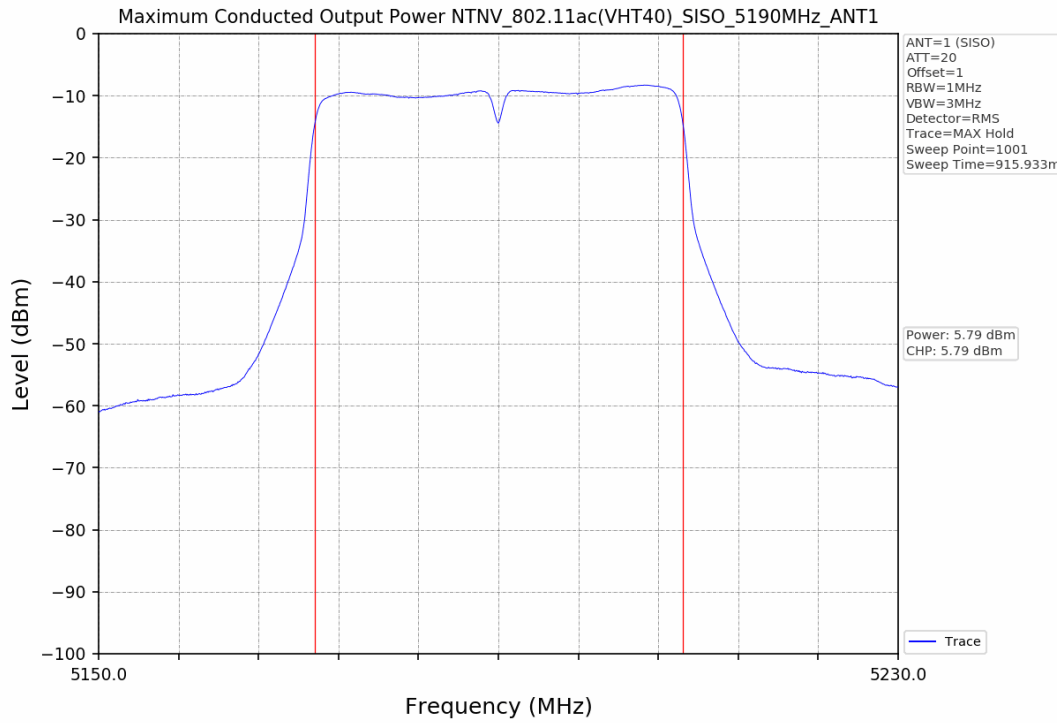


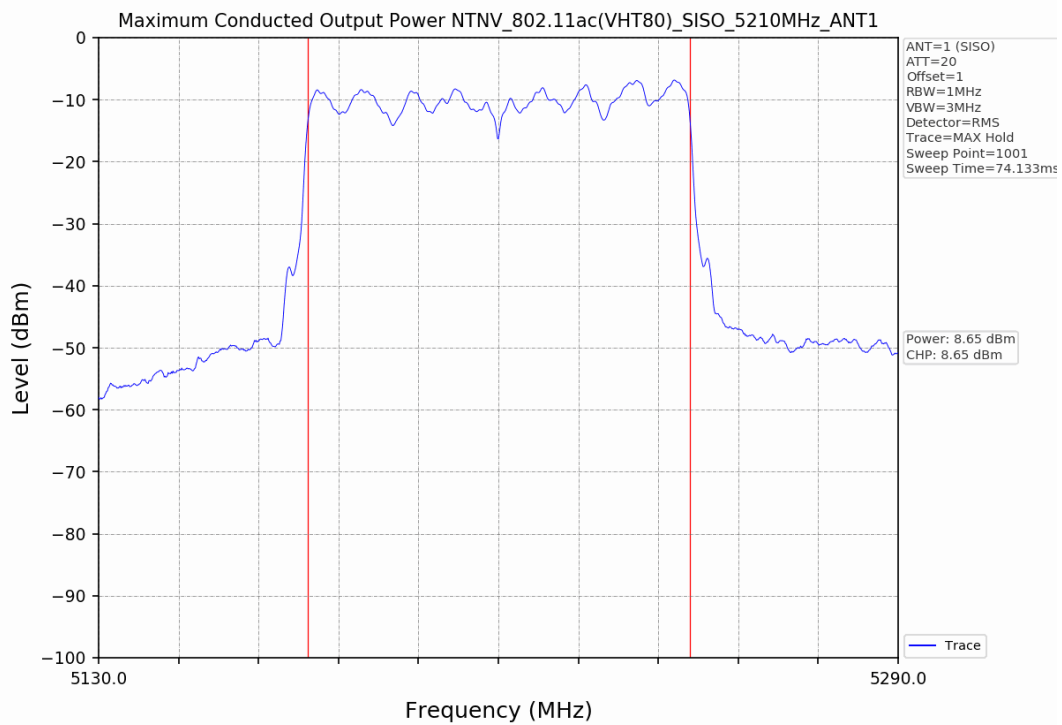










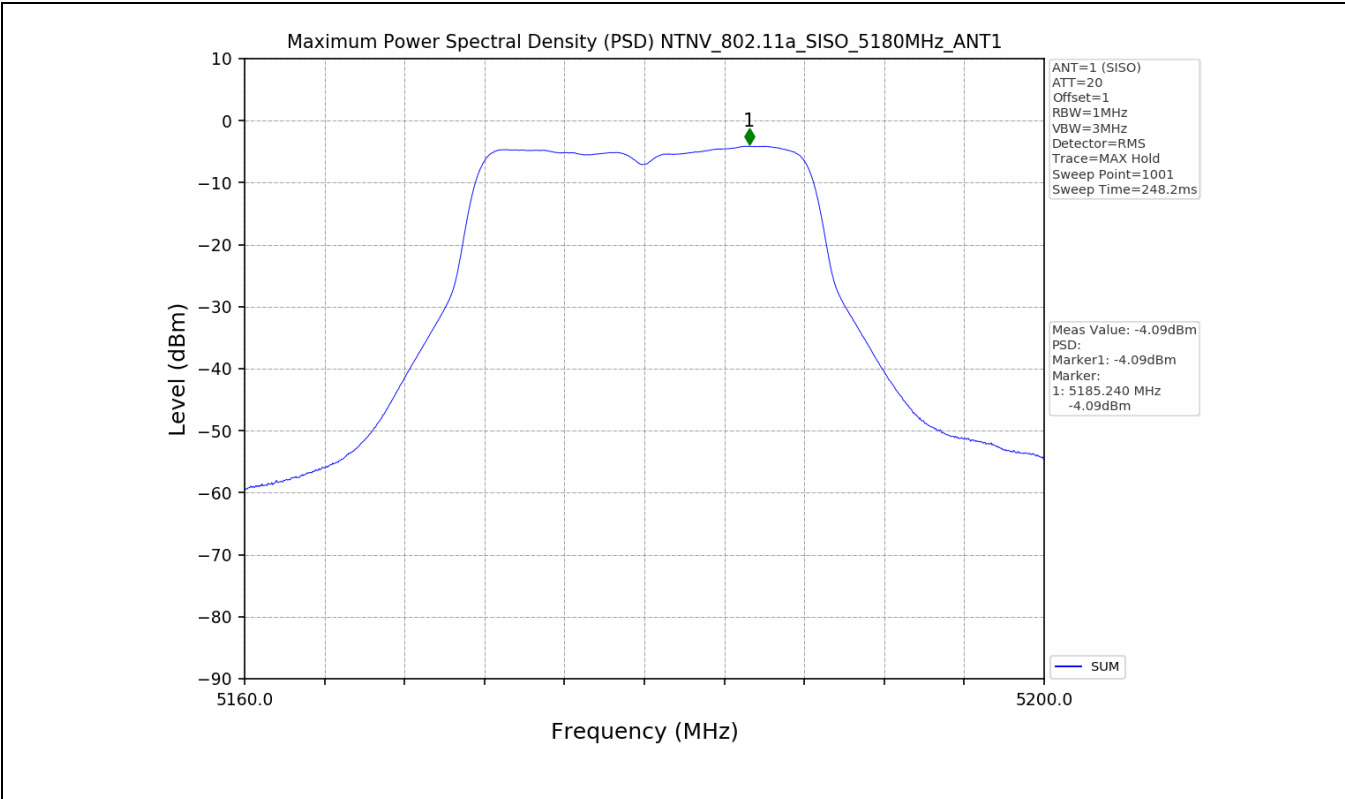


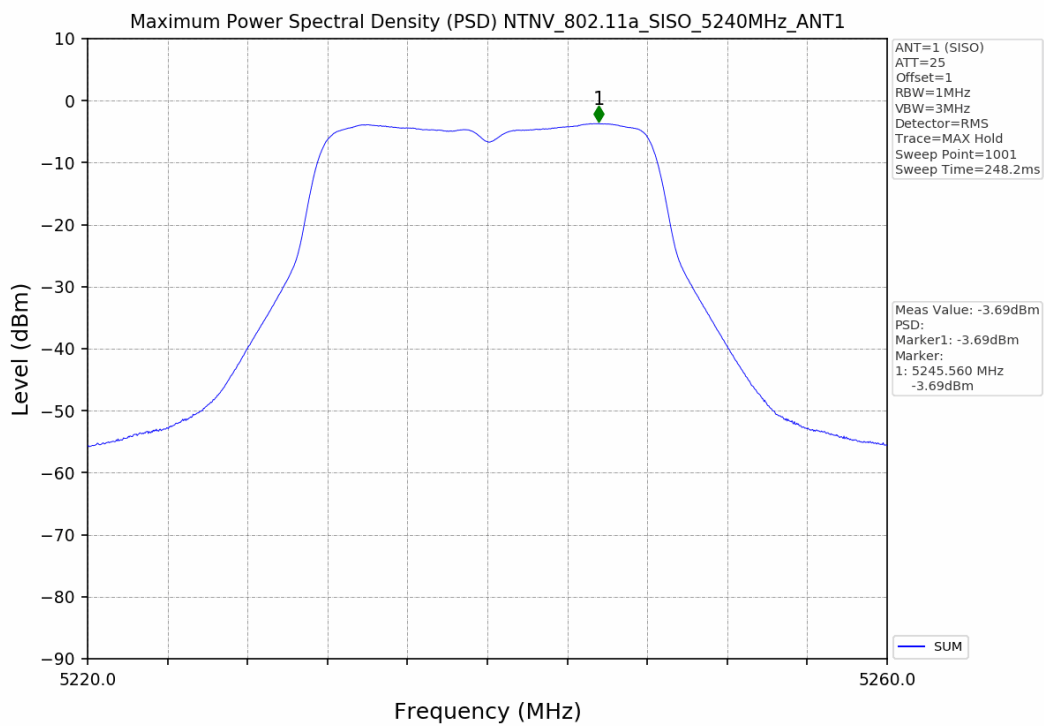
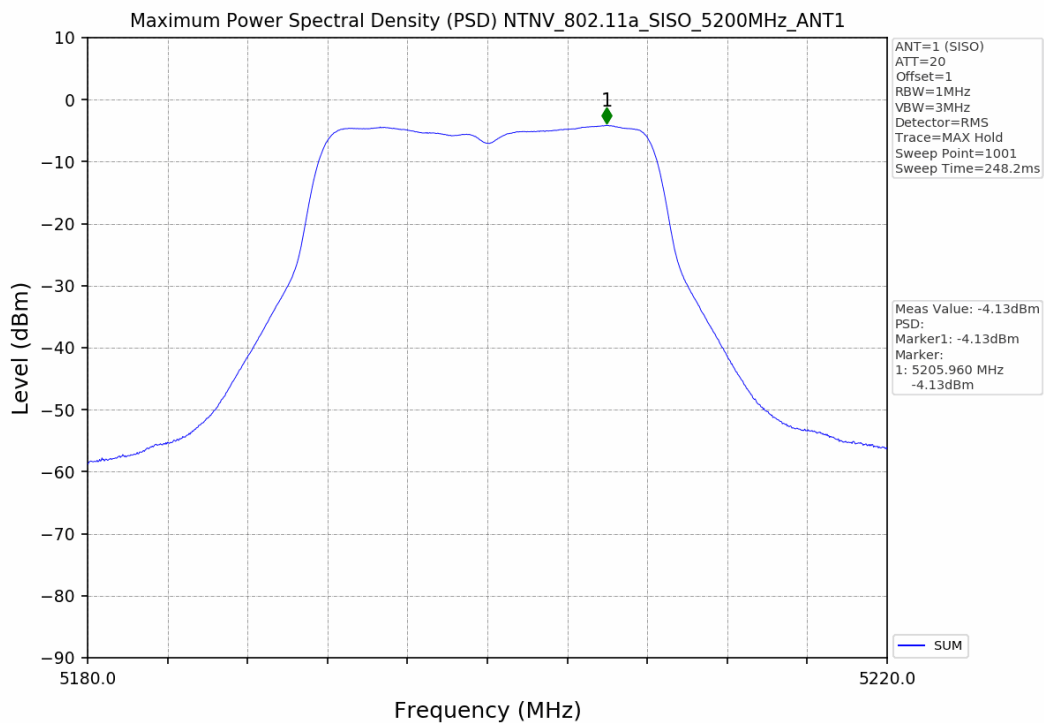
3. Maximum Power Spectral Density (PSD)

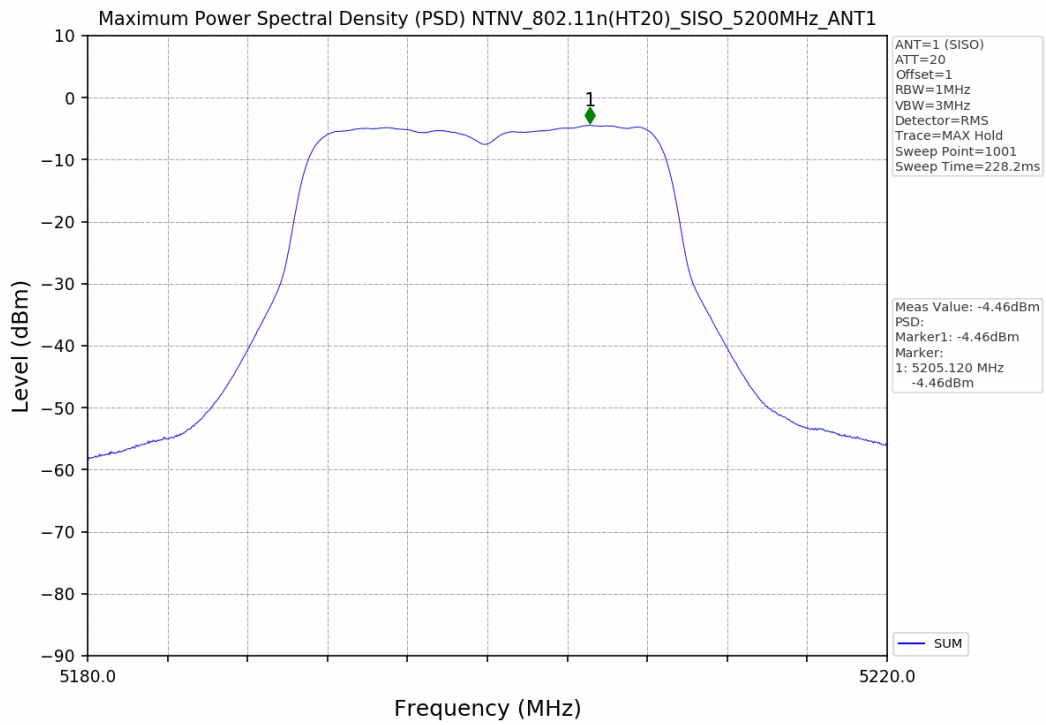
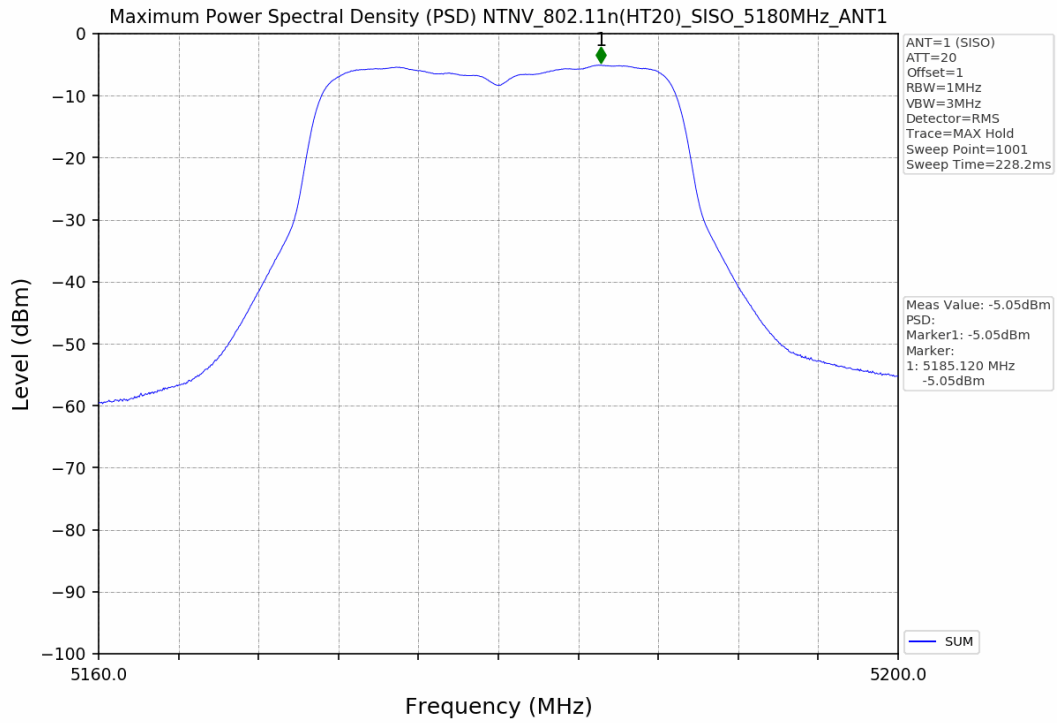
3.1 Test Result

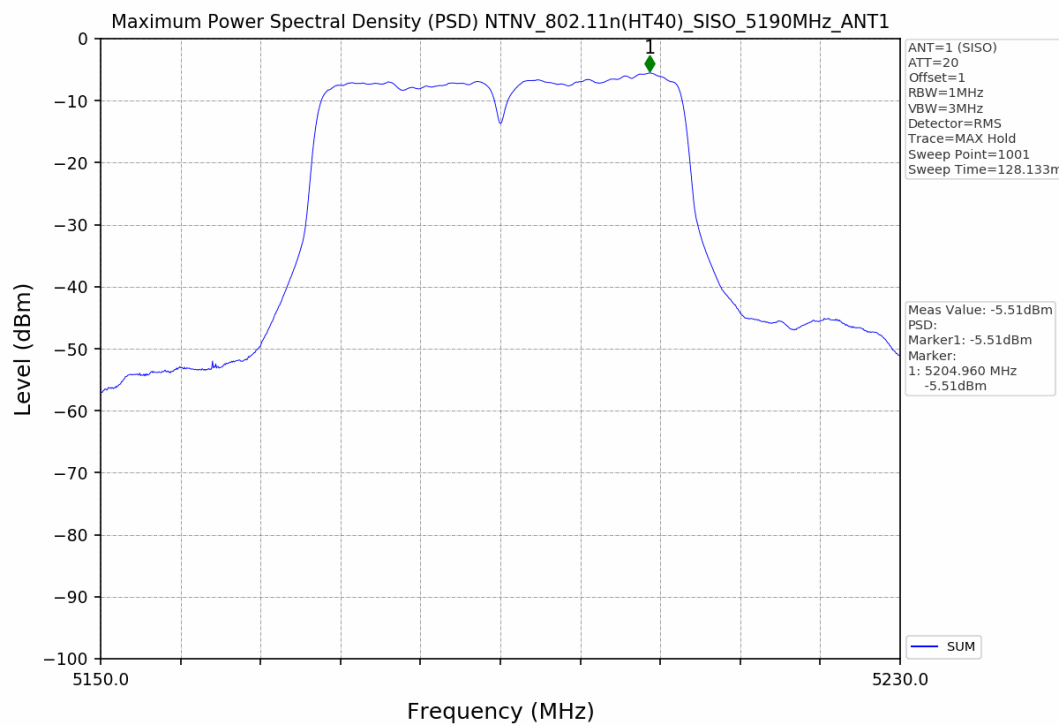
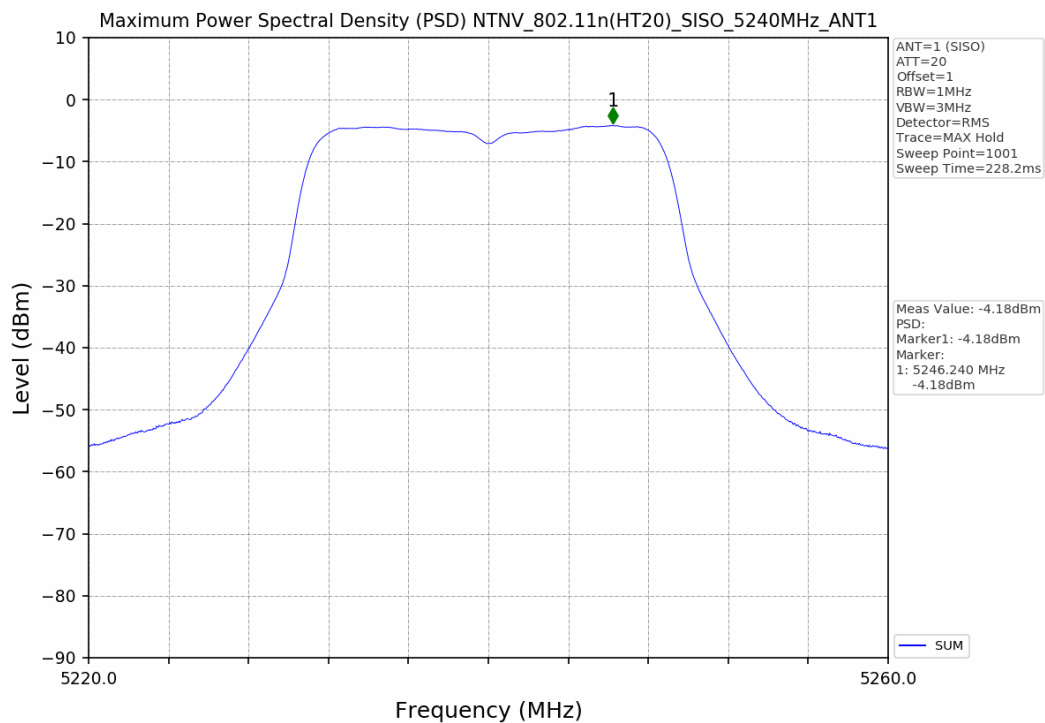
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5180	SISO	-4.09	≤11	PASS
	5200	SISO	-4.13	≤11	PASS
	5240	SISO	-3.69	≤11	PASS
802.11n(HT20)	5180	SISO	-5.05	≤11	PASS
	5200	SISO	-4.46	≤11	PASS
	5240	SISO	-4.18	≤11	PASS
802.11n(HT40)	5190	SISO	-5.51	≤11	PASS
	5230	SISO	-6.38	≤11	PASS
802.11ac(VHT20)	5180	SISO	-6.39	≤11	PASS
	5200	SISO	-5.66	≤11	PASS
	5240	SISO	-5.29	≤11	PASS
802.11ac(VHT40)	5190	SISO	-8.31	≤11	PASS
	5230	SISO	-7.81	≤11	PASS
802.11ac(VHT80)	5210	SISO	-6.77	≤11	PASS

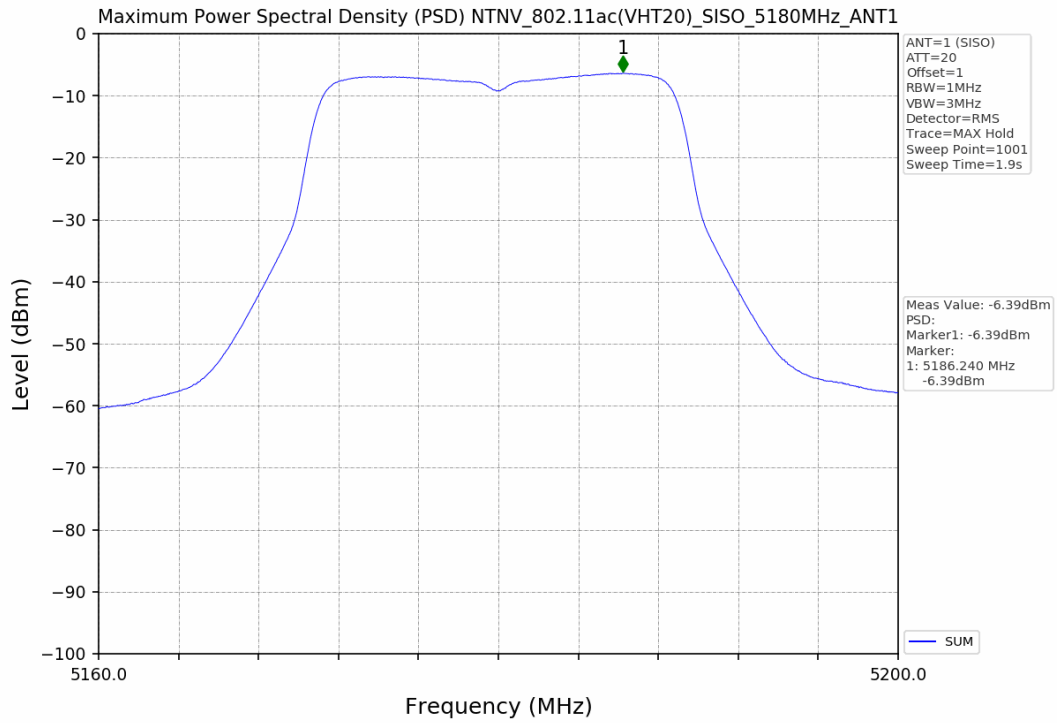
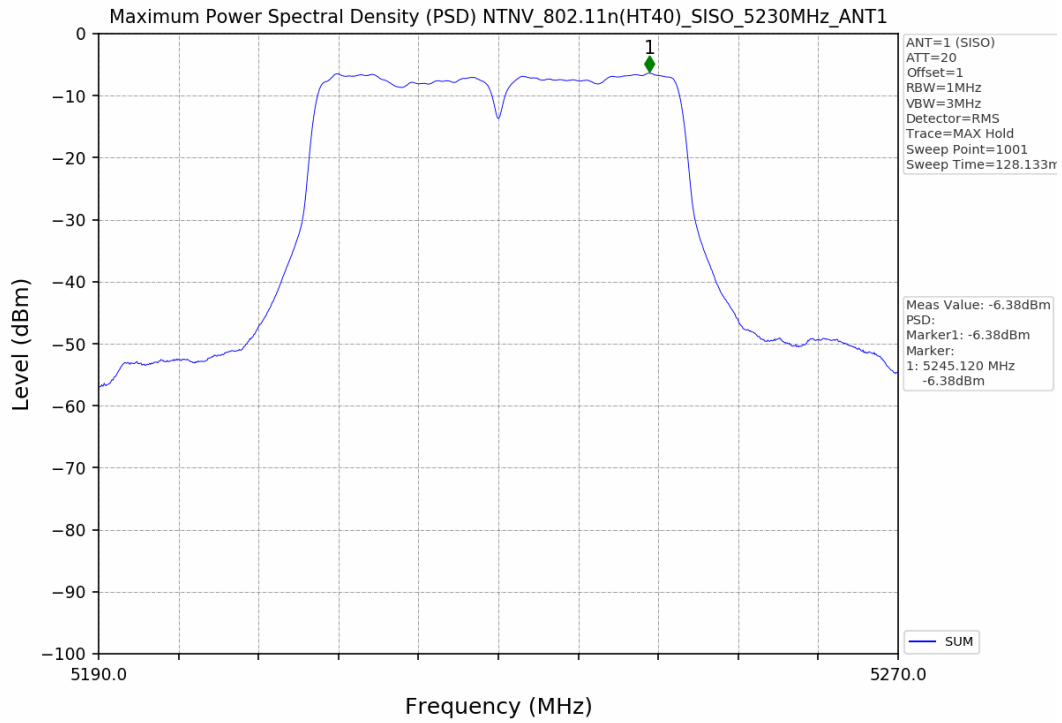
3.2 Test Graph

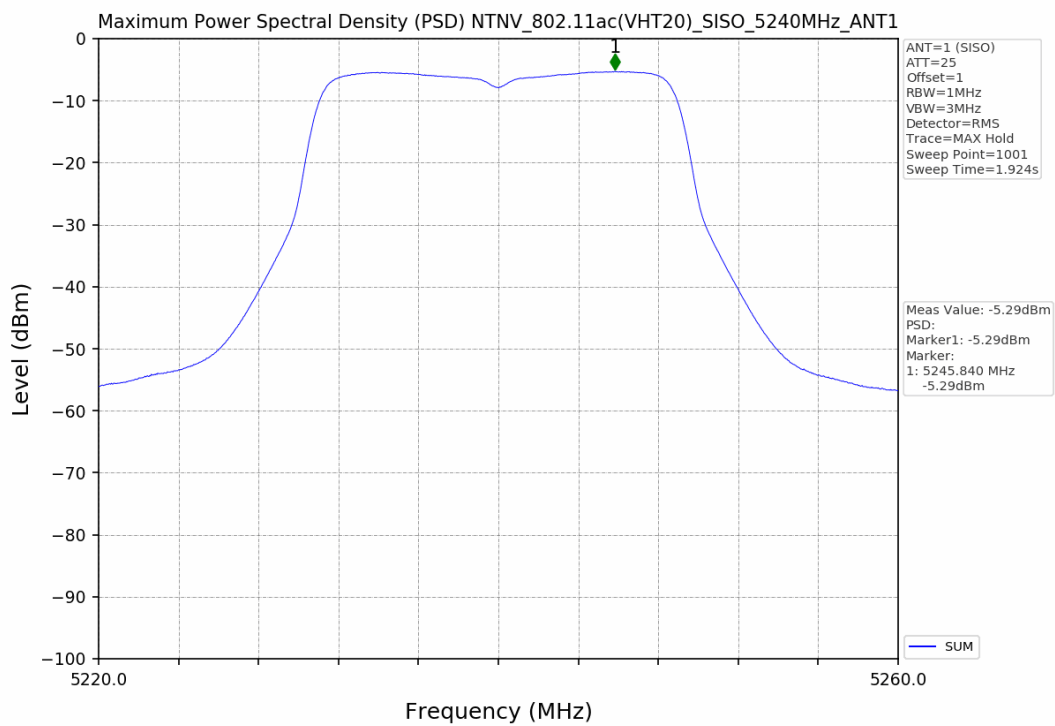
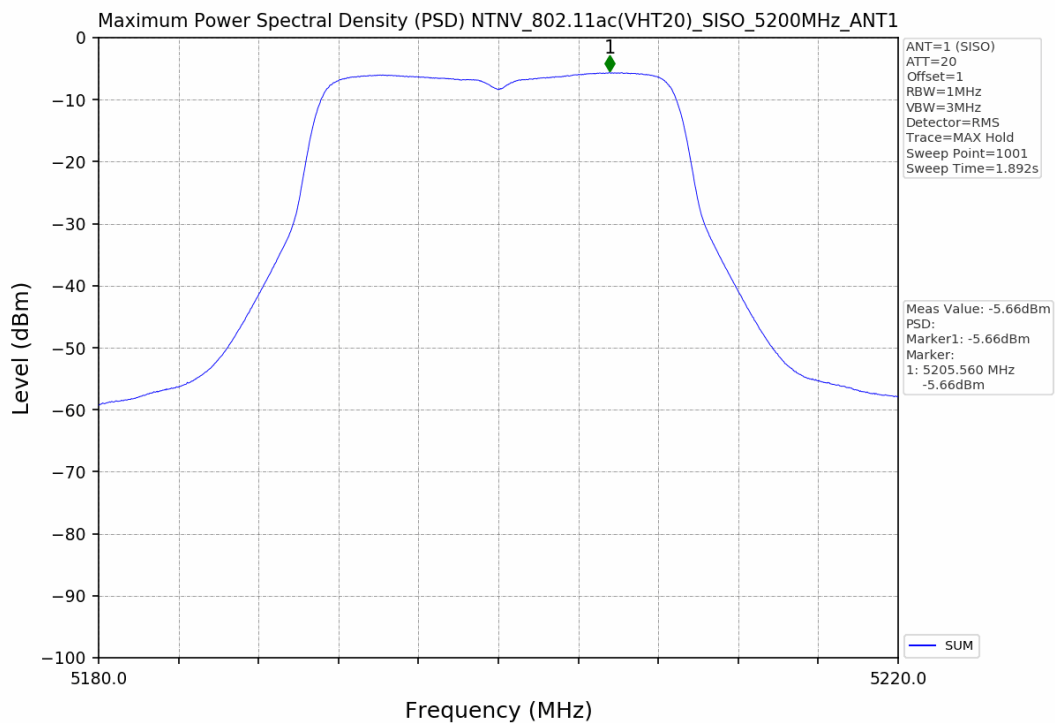


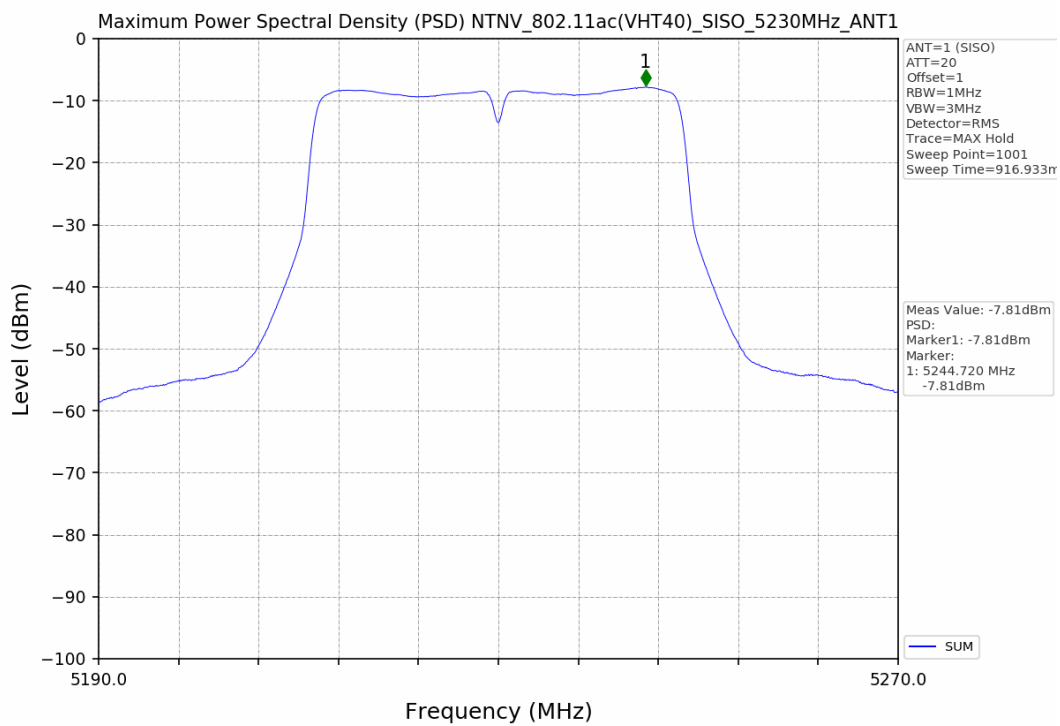
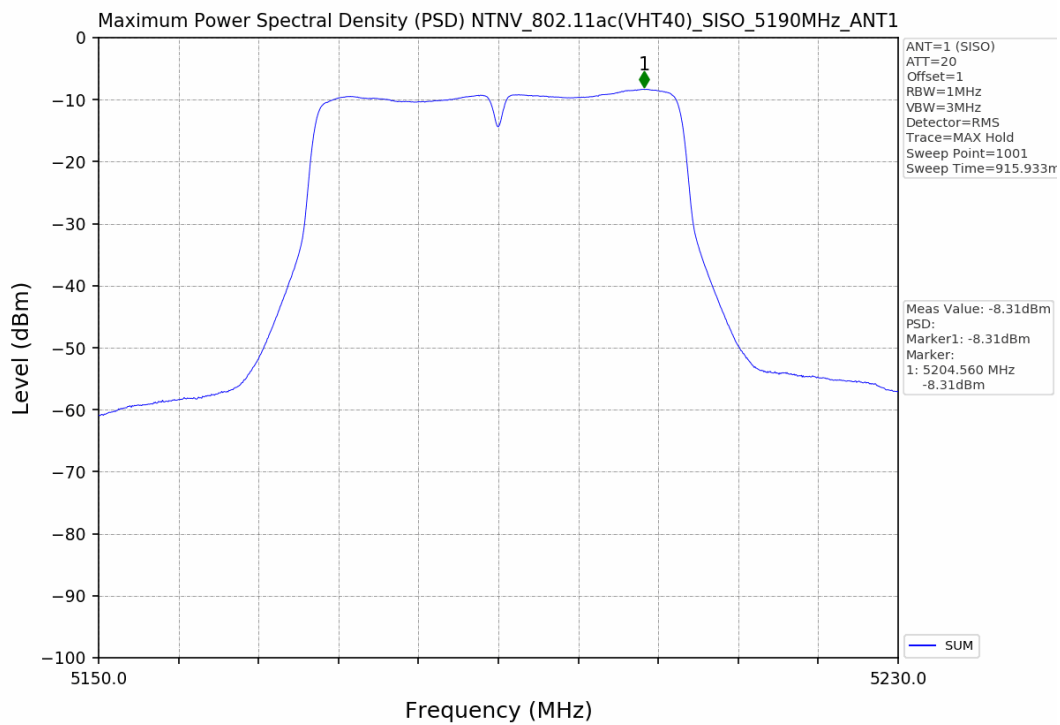


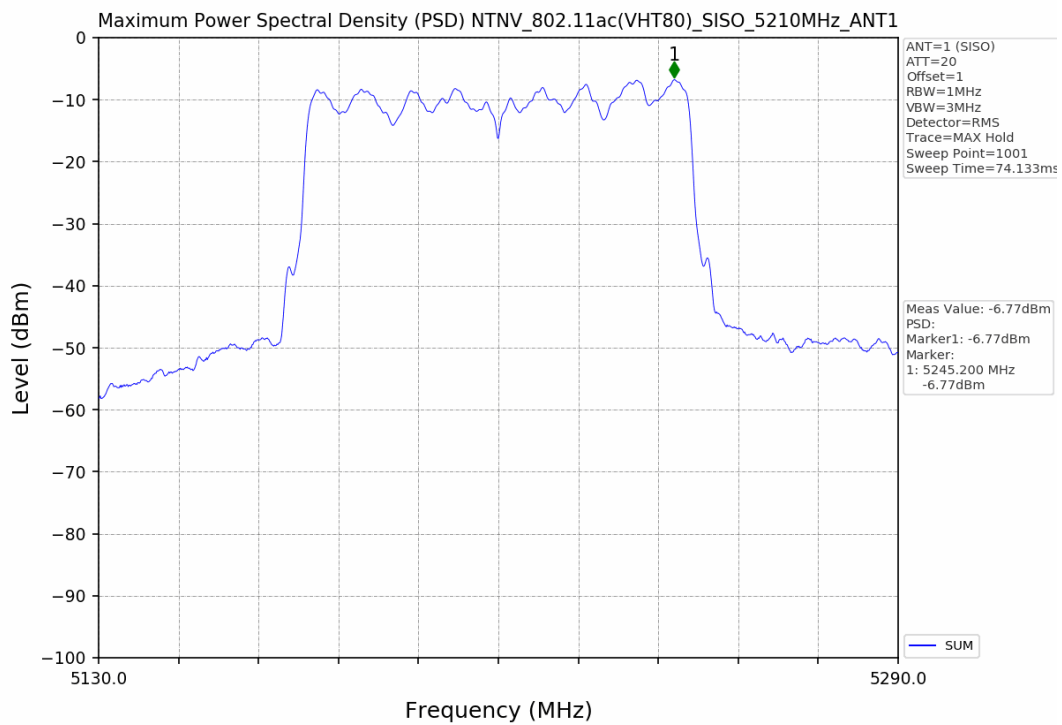












4. Frequency Stability

4.1 Test Result

Reference Frequency: 802.11a channel=36 frequency=5180MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
12.0	-30	45.6	8.80	Within the band of operation	Pass
	-20	66.7	12.88		
	-10	79.4	15.33		
	0	83.2	16.06		
	10	83.7	16.16		
	20	65.7	12.68		
	30	52.8	10.19		
	40	56.8	10.97		
	50	50.1	9.67		
13.2	25	90.6	17.49	Within the band of operation	Pass
10.8	25	45.6	8.80		