

Appendix for 15.407

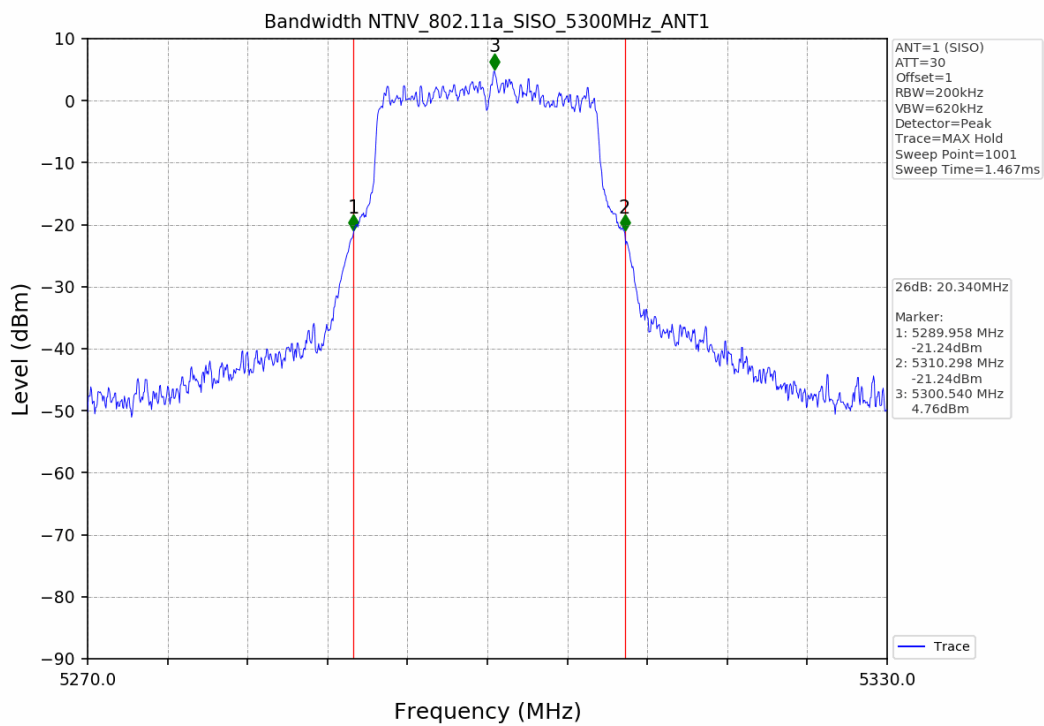
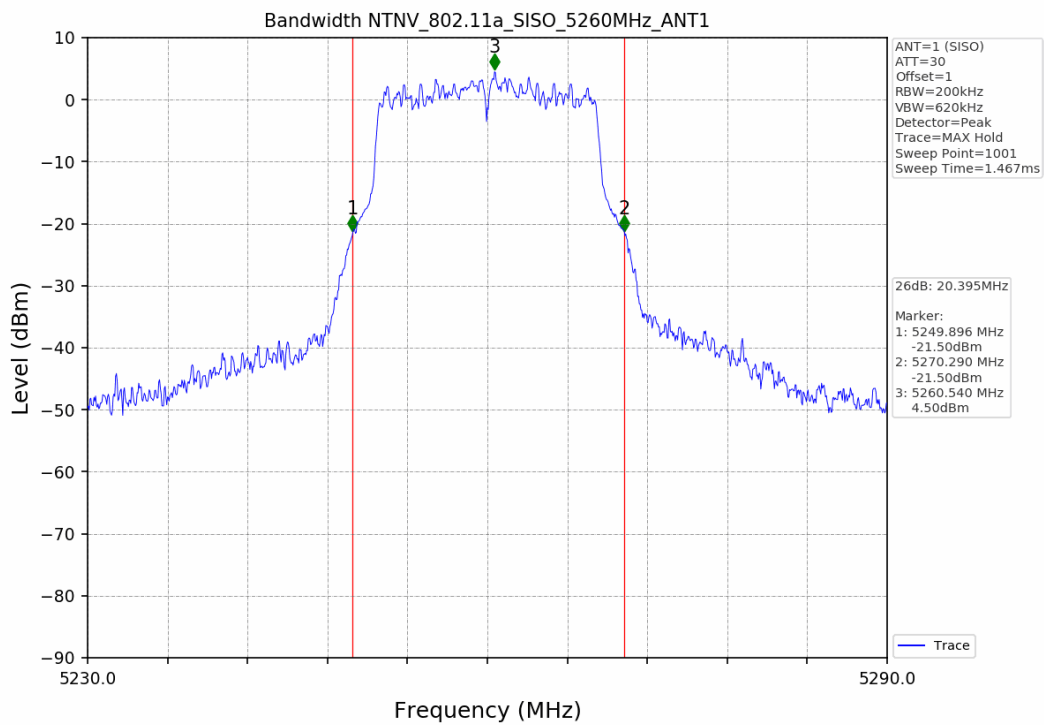
1. Bandwidth

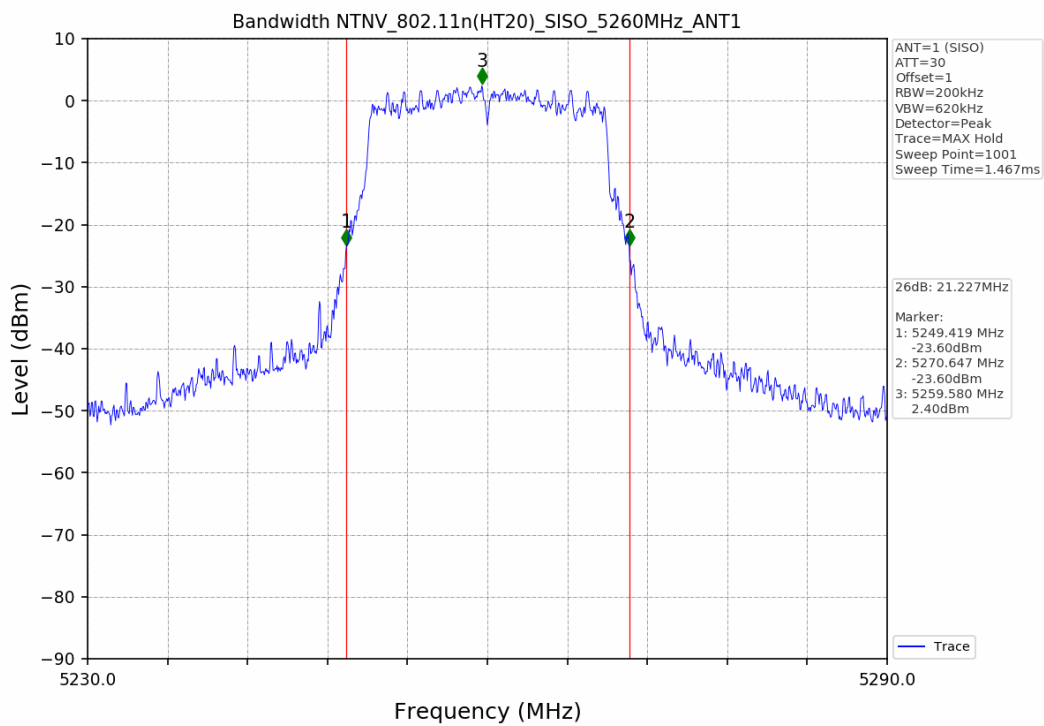
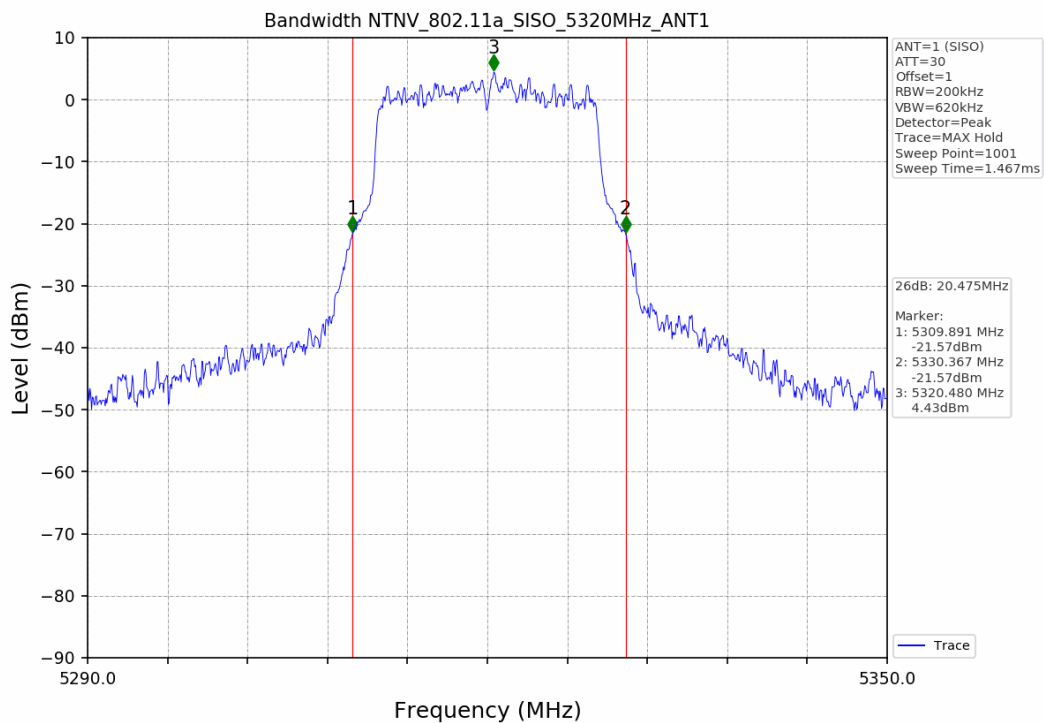
1.1 Test Result

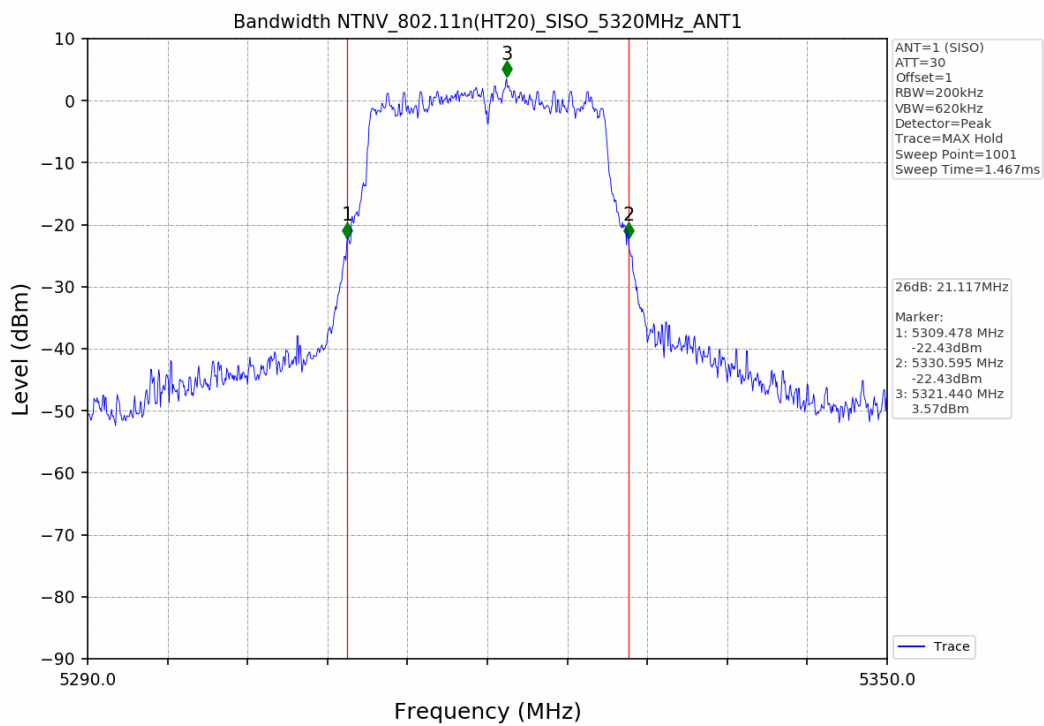
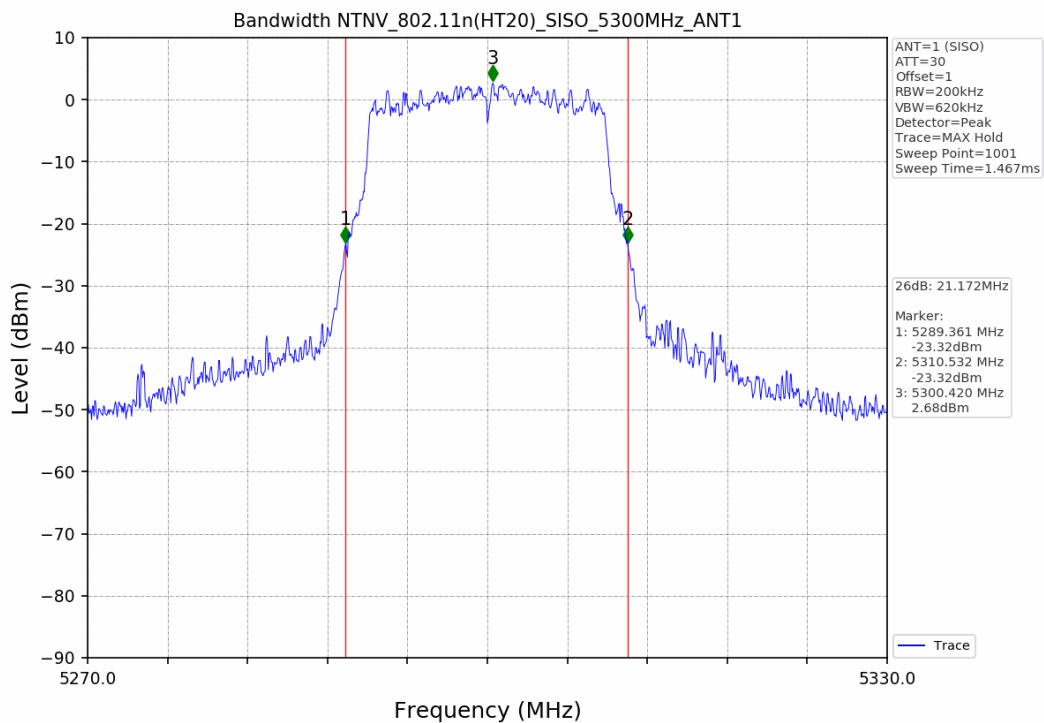
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5260	SISO	1	20.395	Only for Report Use	PASS
	5300	SISO	1	20.340	Only for Report Use	PASS
	5320	SISO	1	20.475	Only for Report Use	PASS
802.11n(HT20)	5260	SISO	1	21.227	Only for Report Use	PASS
	5300	SISO	1	21.172	Only for Report Use	PASS
	5320	SISO	1	21.117	Only for Report Use	PASS
802.11n(HT40)	5270	SISO	1	39.417	Only for Report Use	PASS
	5310	SISO	1	39.341	Only for Report Use	PASS
802.11ac(VHT20)	5260	SISO	1	20.713	Only for Report Use	PASS
	5300	SISO	1	20.863	Only for Report Use	PASS
	5320	SISO	1	20.935	Only for Report Use	PASS
802.11ac(VHT40)	5270	SISO	1	39.457	Only for Report Use	PASS
	5310	SISO	1	39.256	Only for Report Use	PASS
802.11ac(VHT80)	5290	SISO	1	80.785	Only for Report Use	PASS

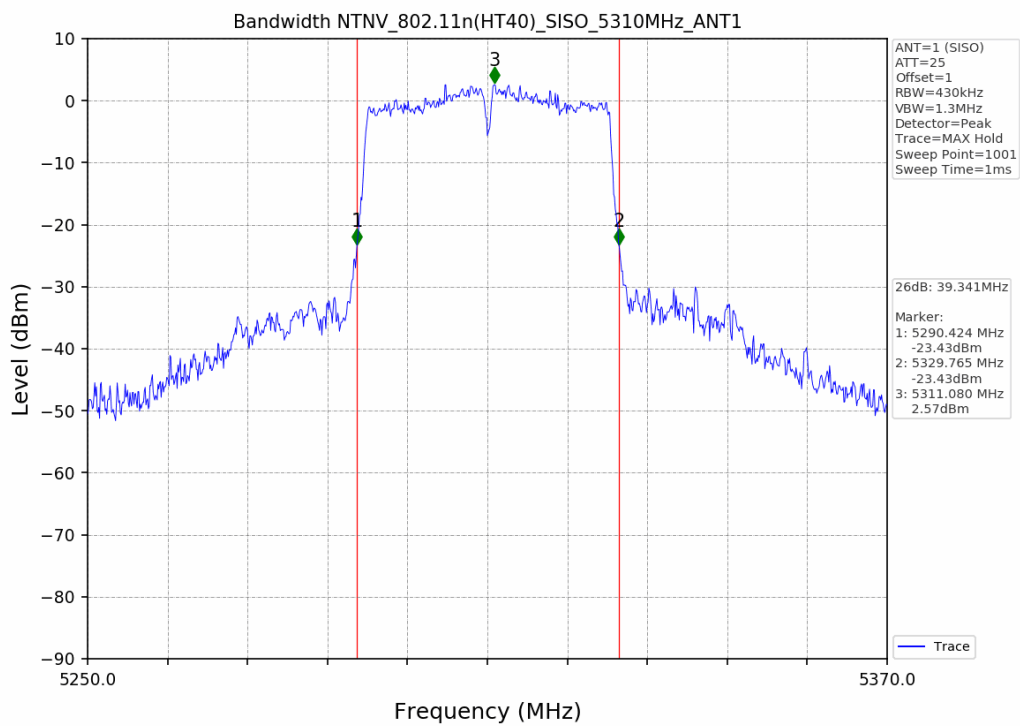
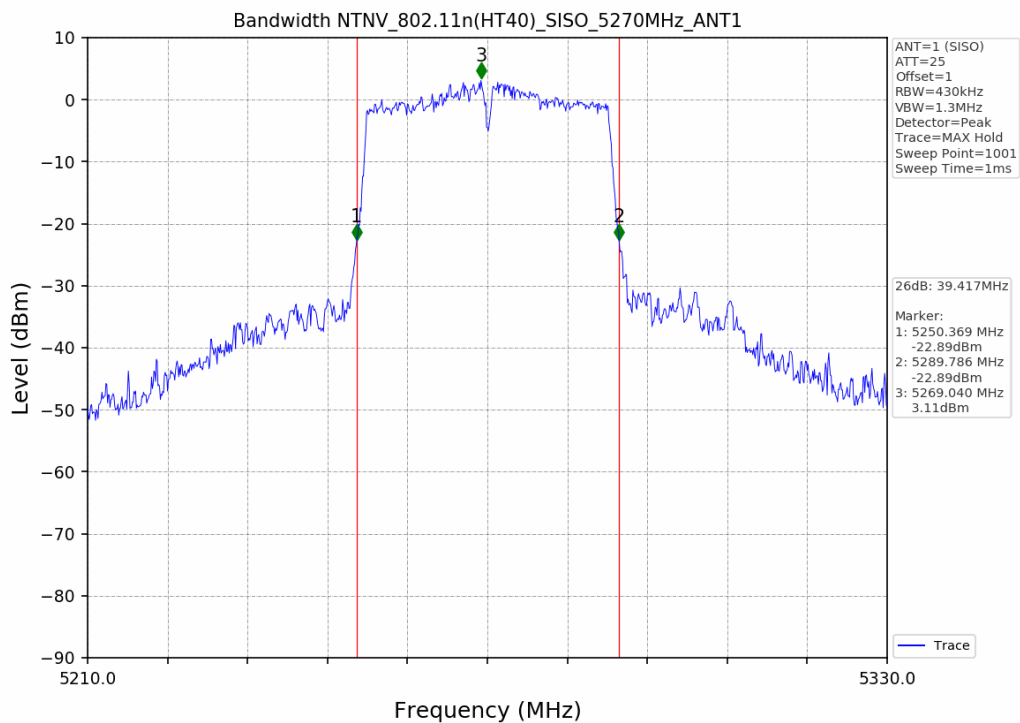
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5260	SISO	1	16.599	Only for Report Use
	5300	SISO	1	16.600	Only for Report Use
	5320	SISO	1	16.586	Only for Report Use
802.11n(HT20)	5260	SISO	1	17.926	Only for Report Use
	5300	SISO	1	17.857	Only for Report Use
	5320	SISO	1	17.794	Only for Report Use
802.11n(HT40)	5270	SISO	1	36.431	Only for Report Use
	5310	SISO	1	36.431	Only for Report Use
802.11ac(VHT20)	5260	SISO	1	17.856	Only for Report Use
	5300	SISO	1	17.880	Only for Report Use
	5320	SISO	1	17.857	Only for Report Use
802.11ac(VHT40)	5270	SISO	1	36.486	Only for Report Use
	5310	SISO	1	36.370	Only for Report Use
802.11ac(VHT80)	5290	SISO	1	75.516	Only for Report Use

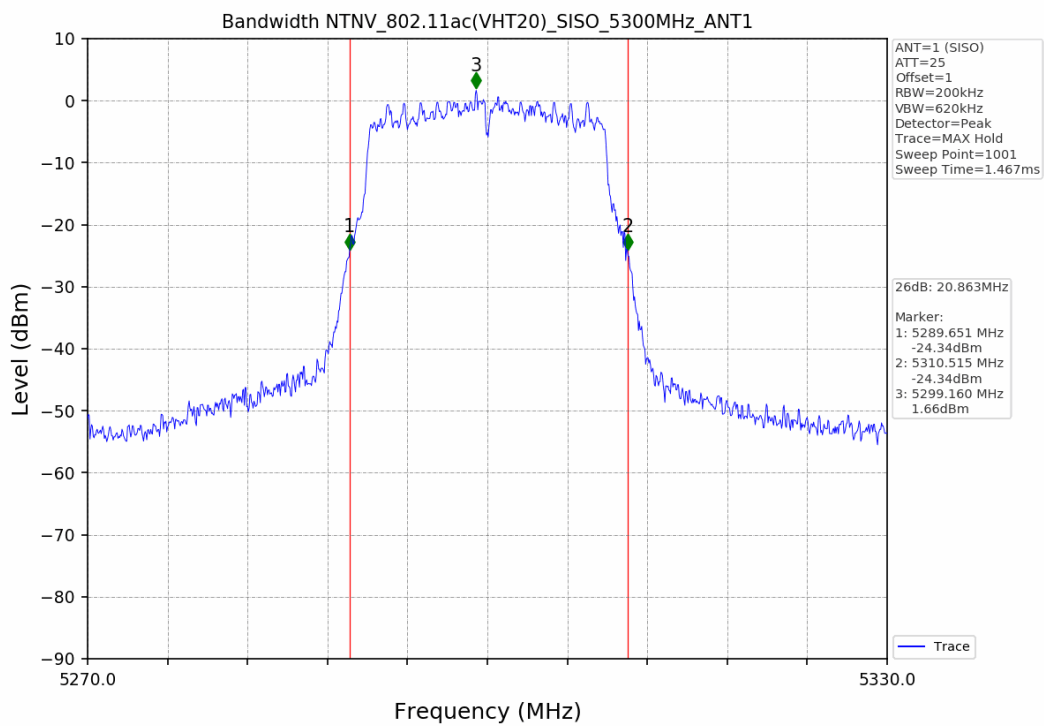
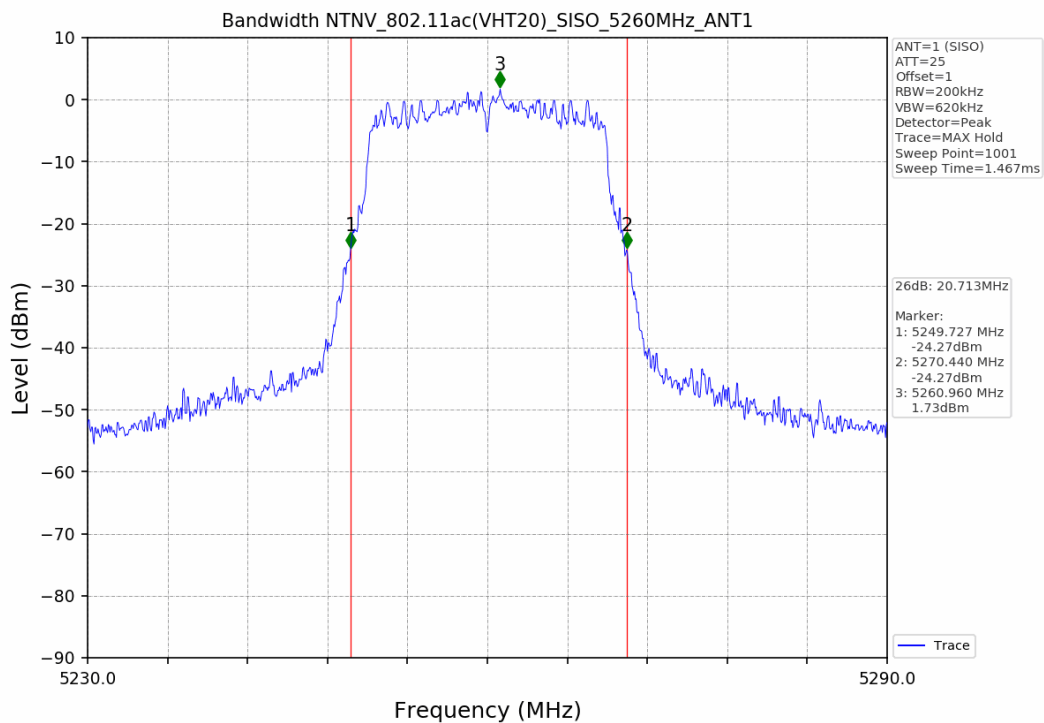
1.2 Test Graph - Emission Bandwidth

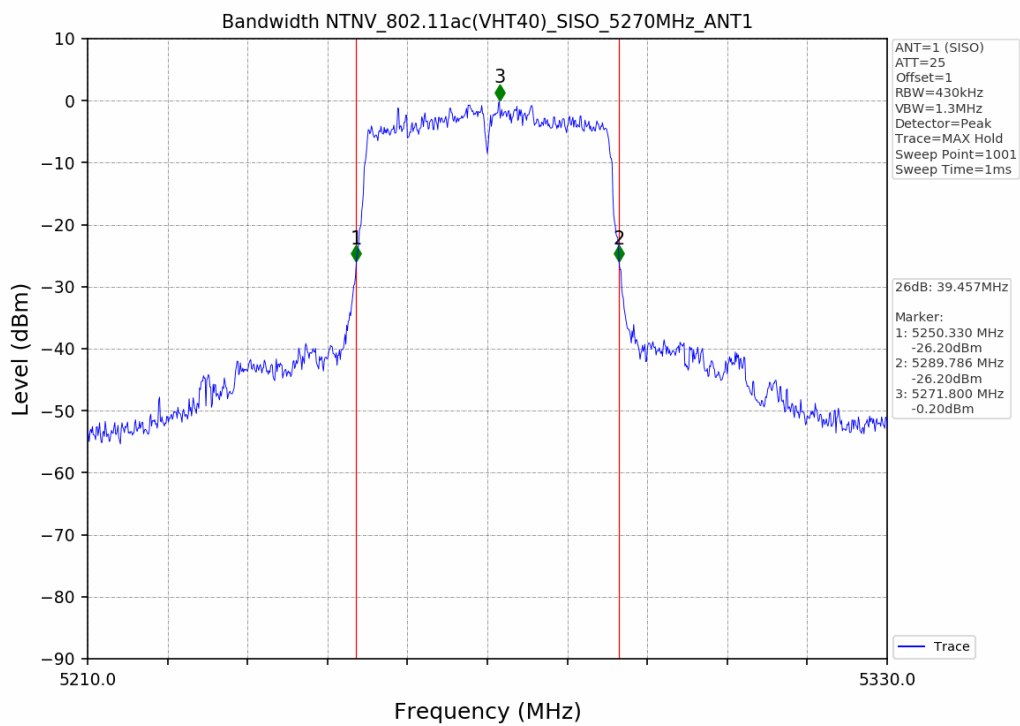
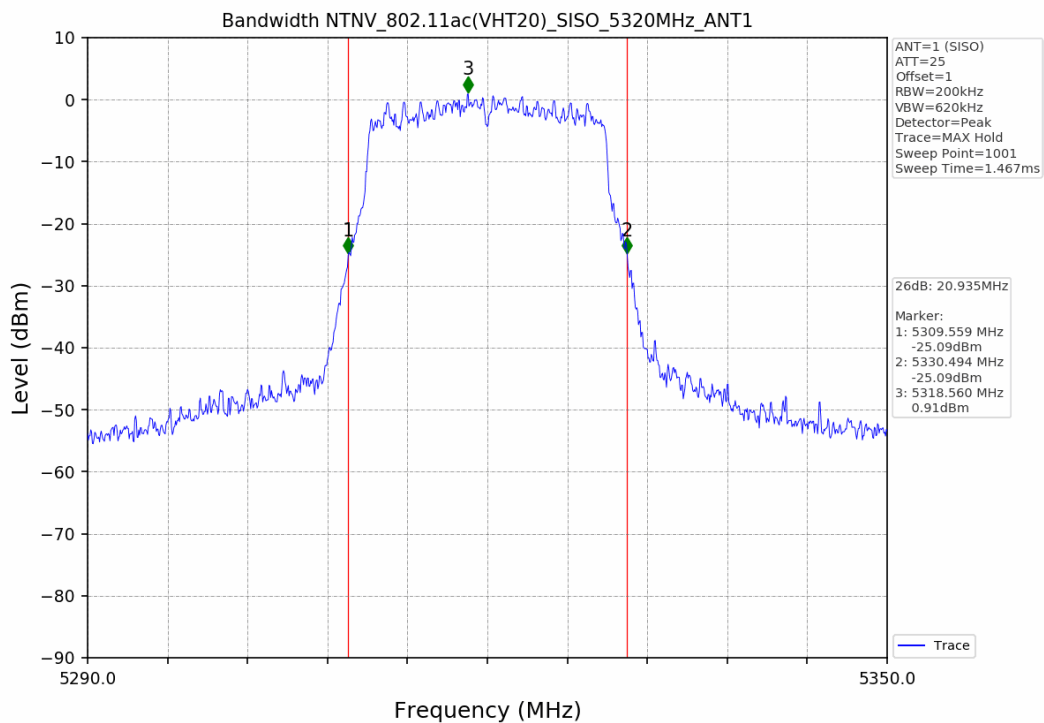


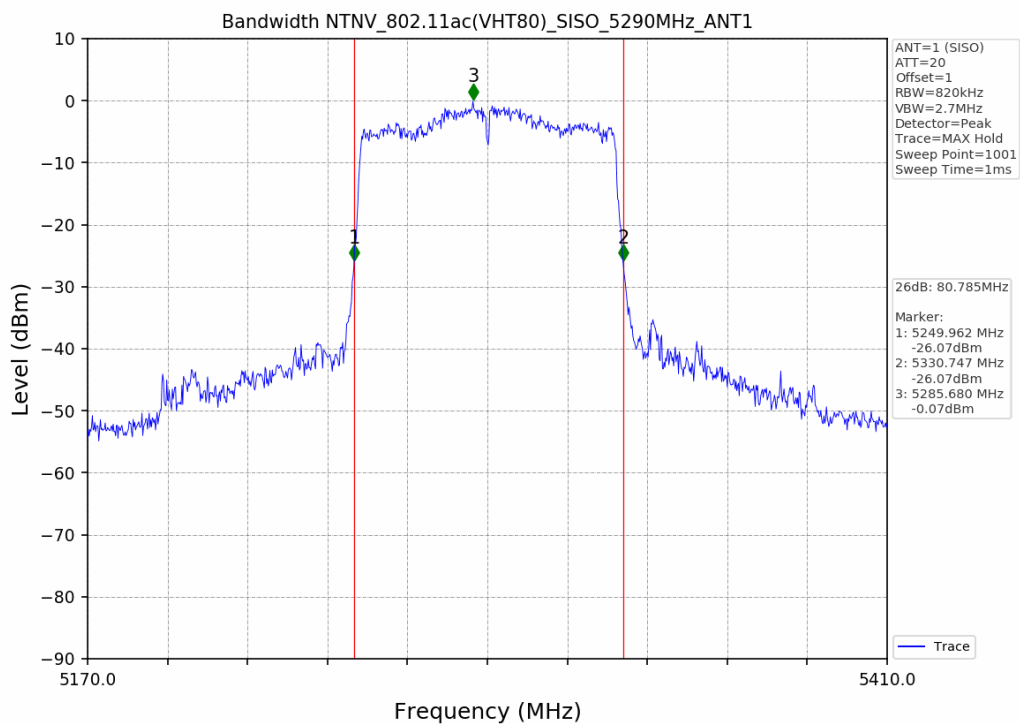
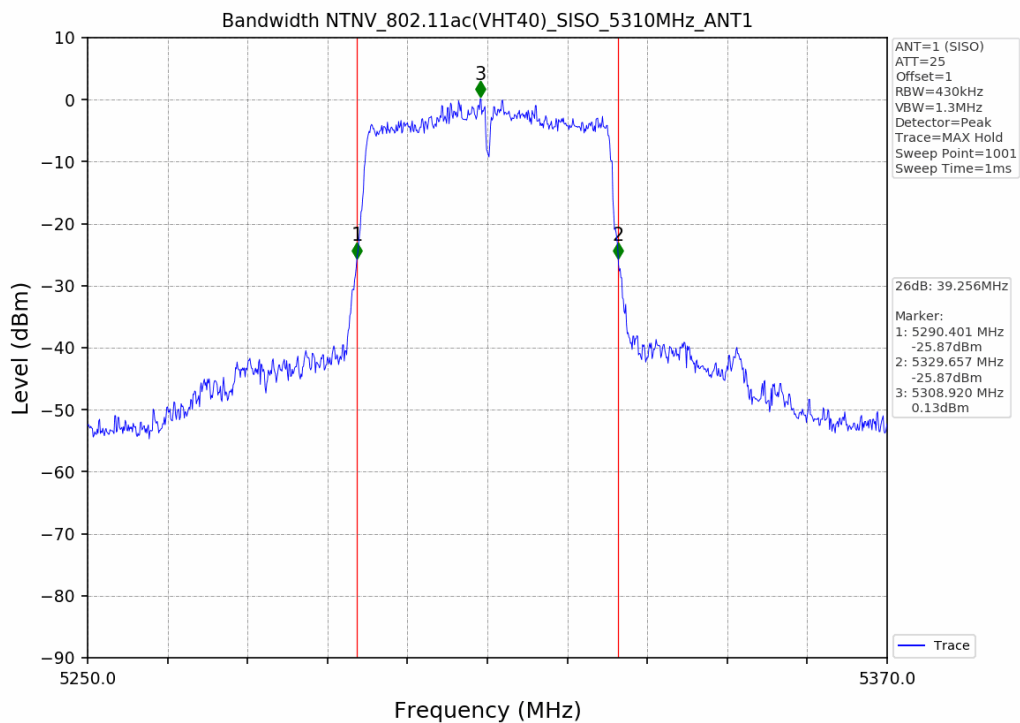




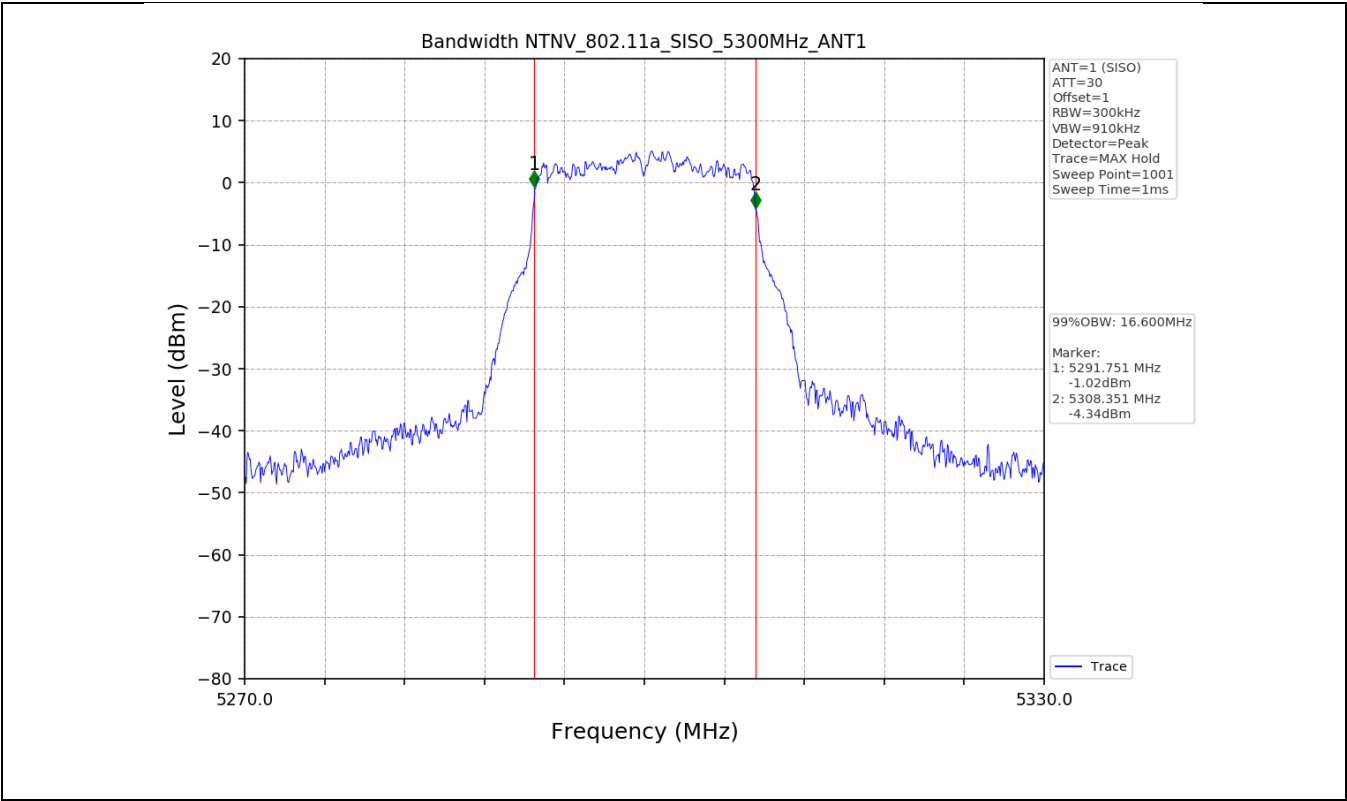
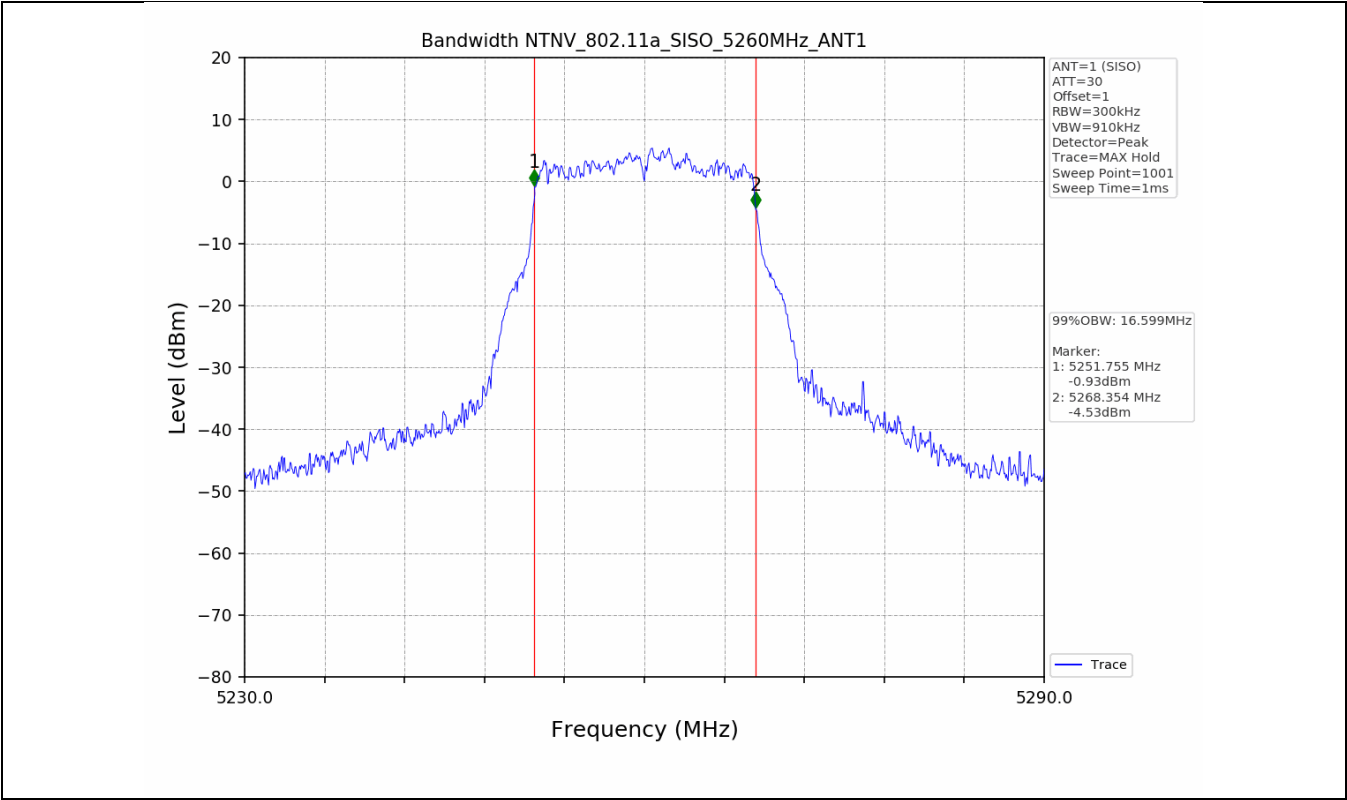


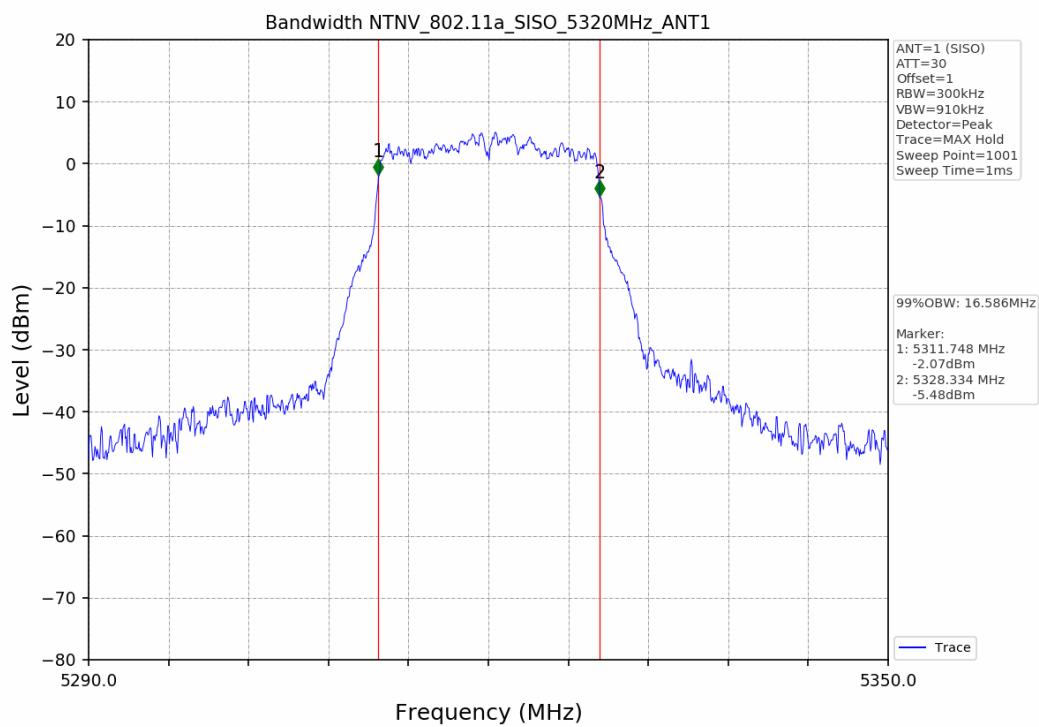


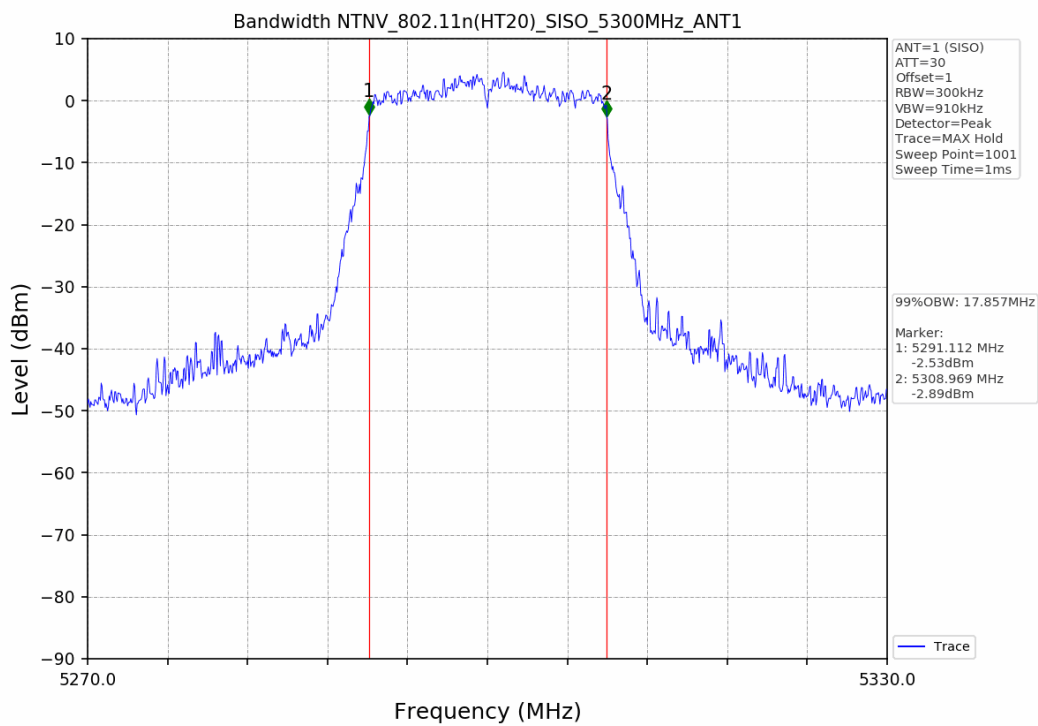
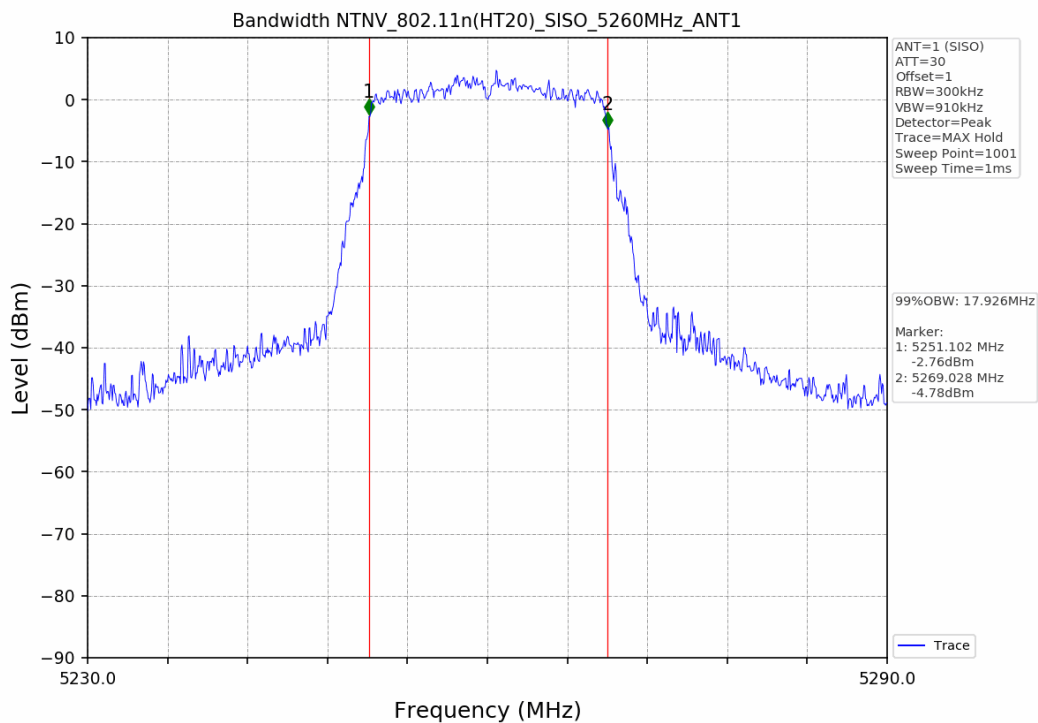


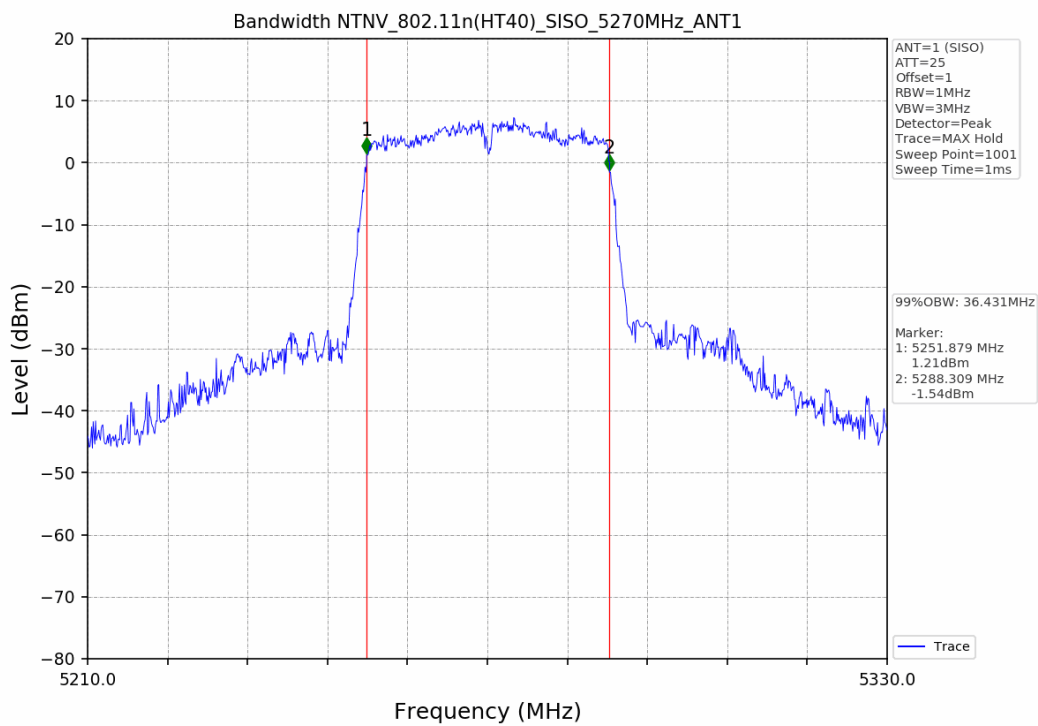
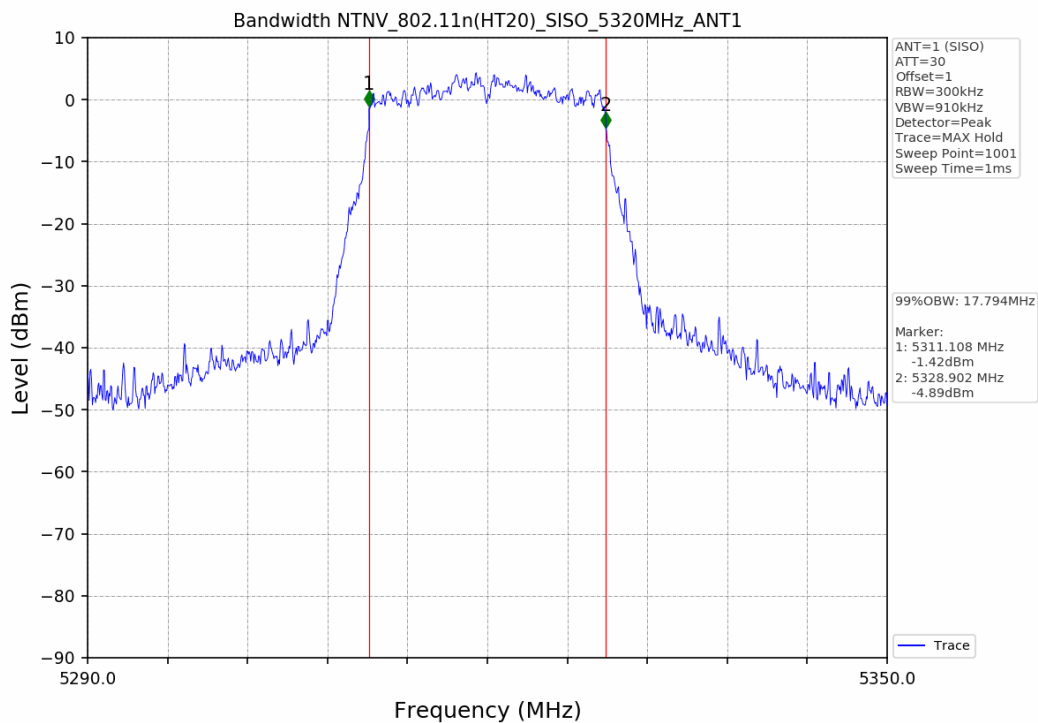


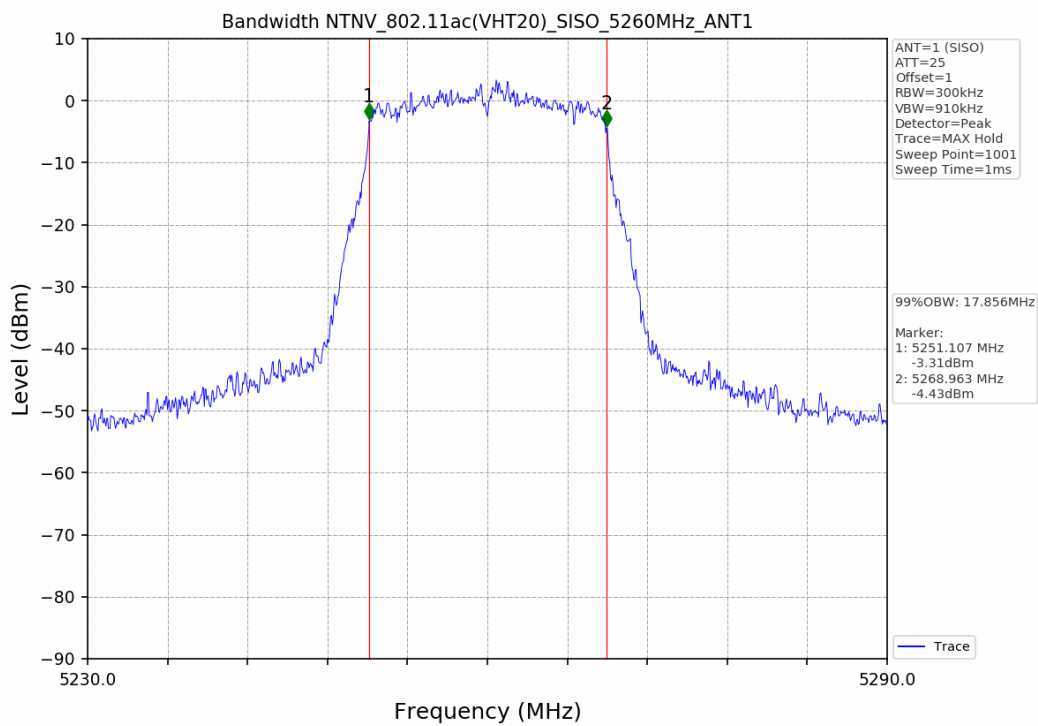
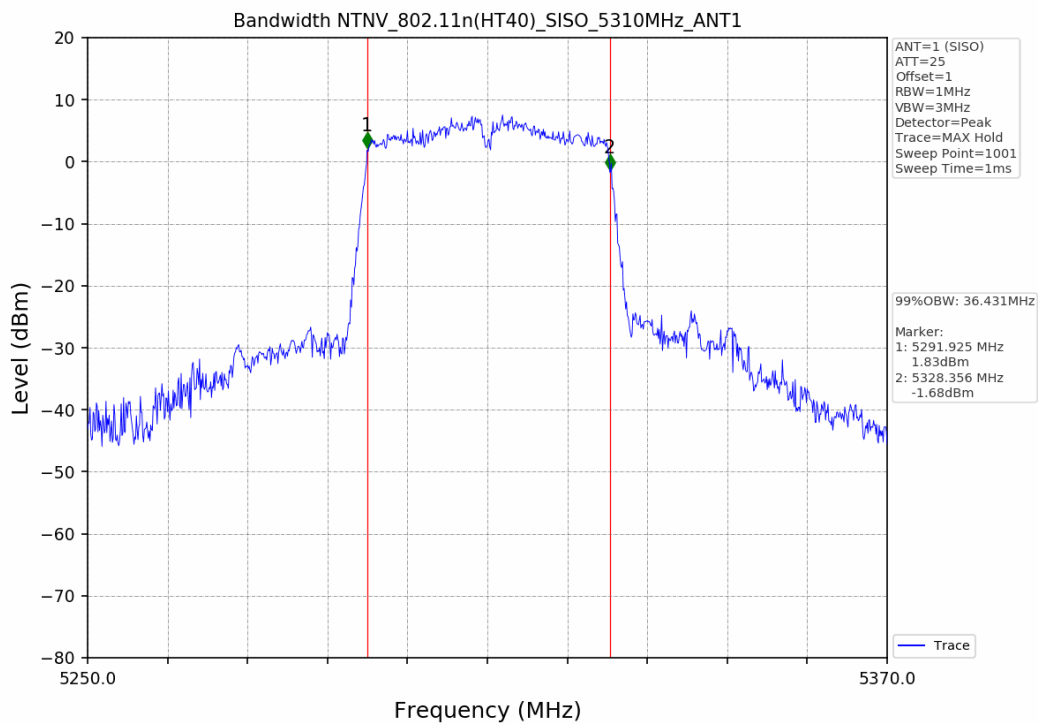
1.3 Test Graph - 99% Occupied Bandwidth

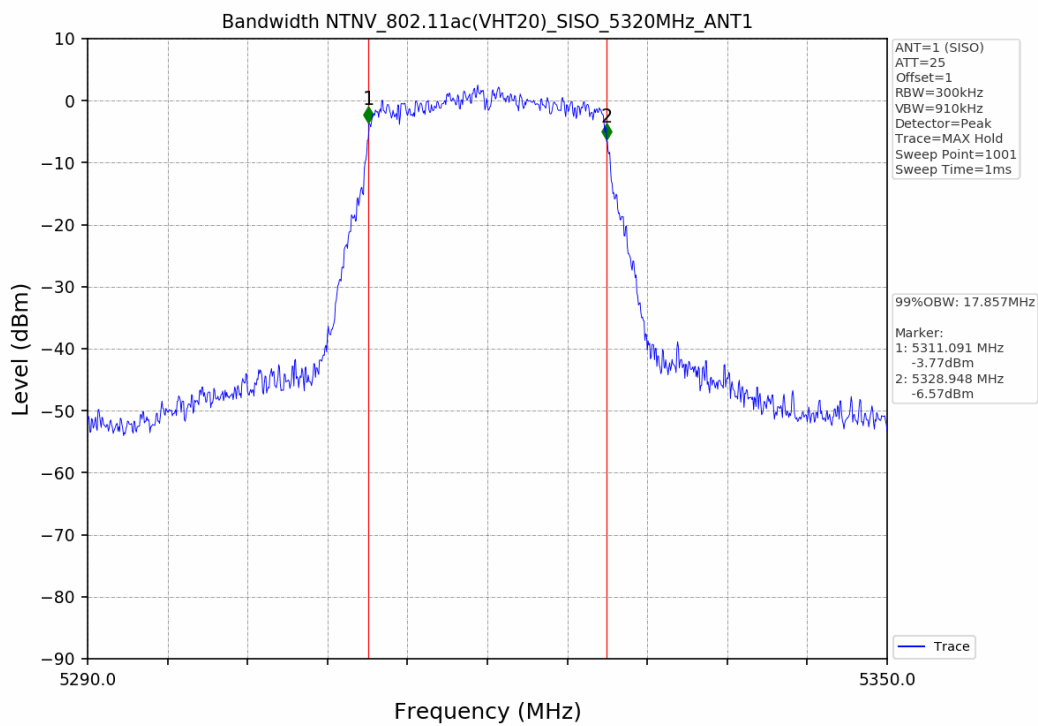
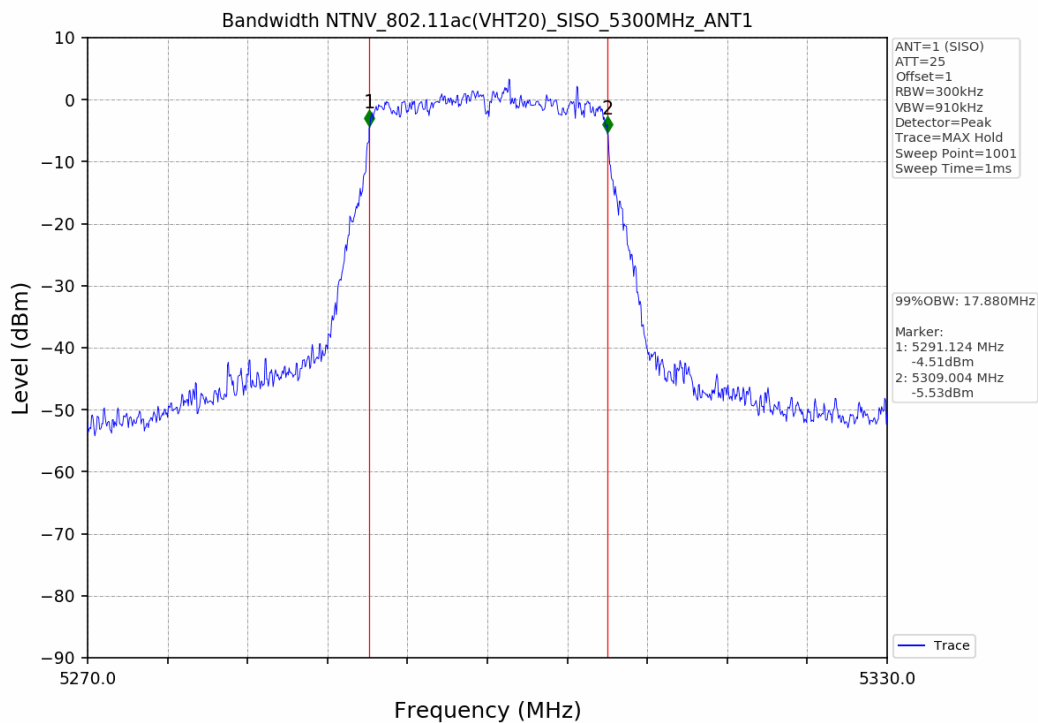


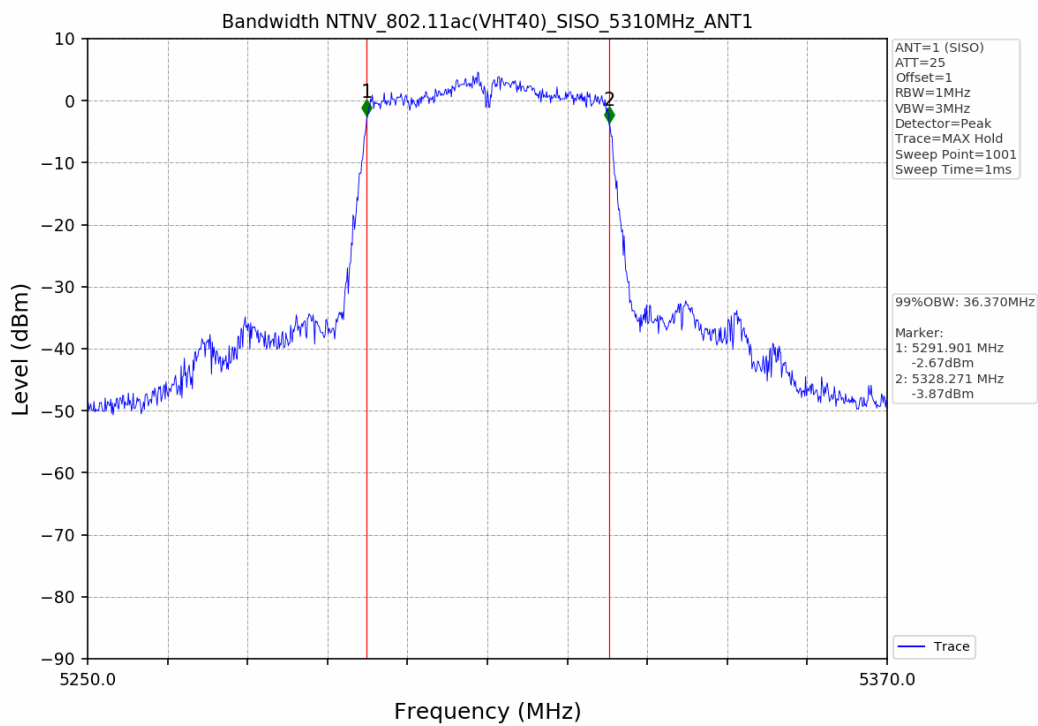
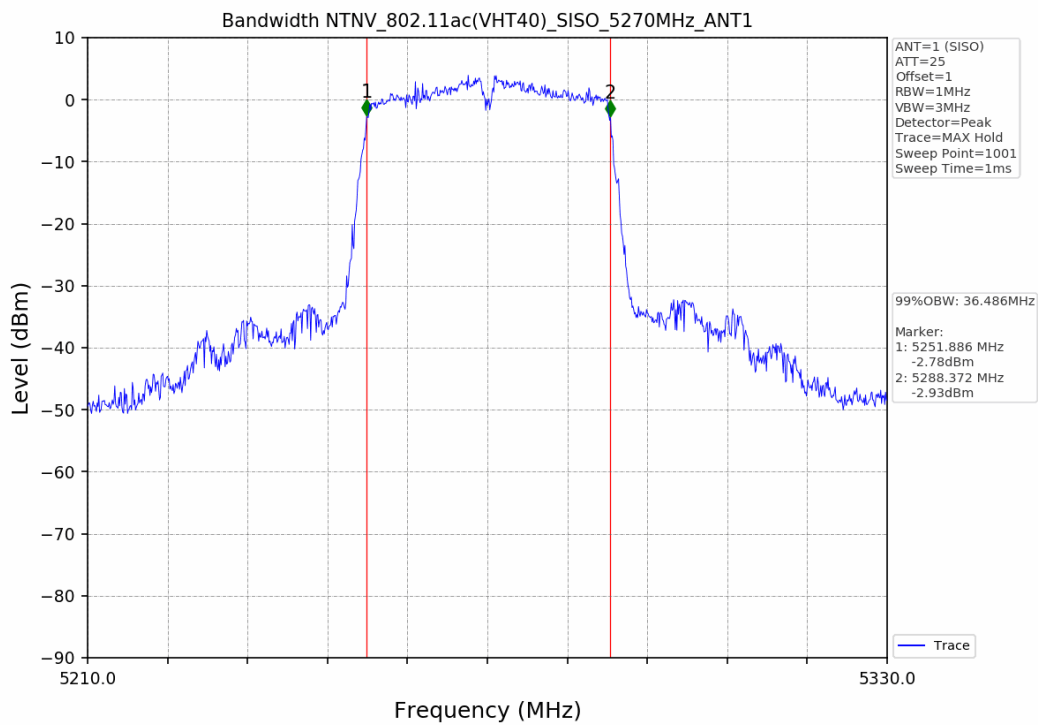


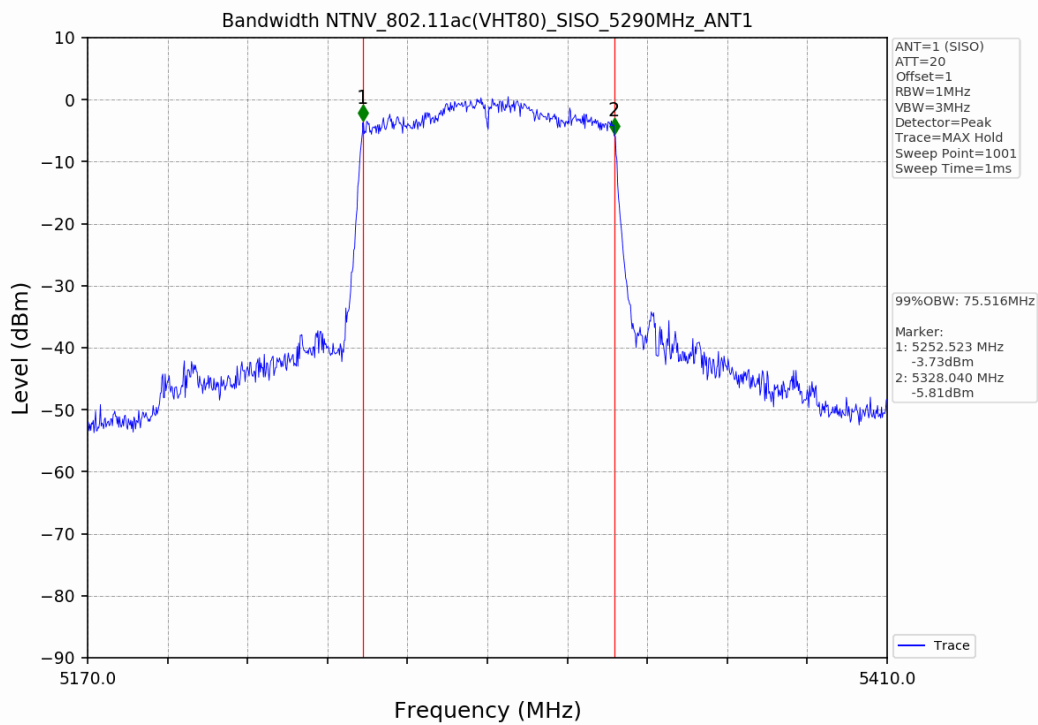










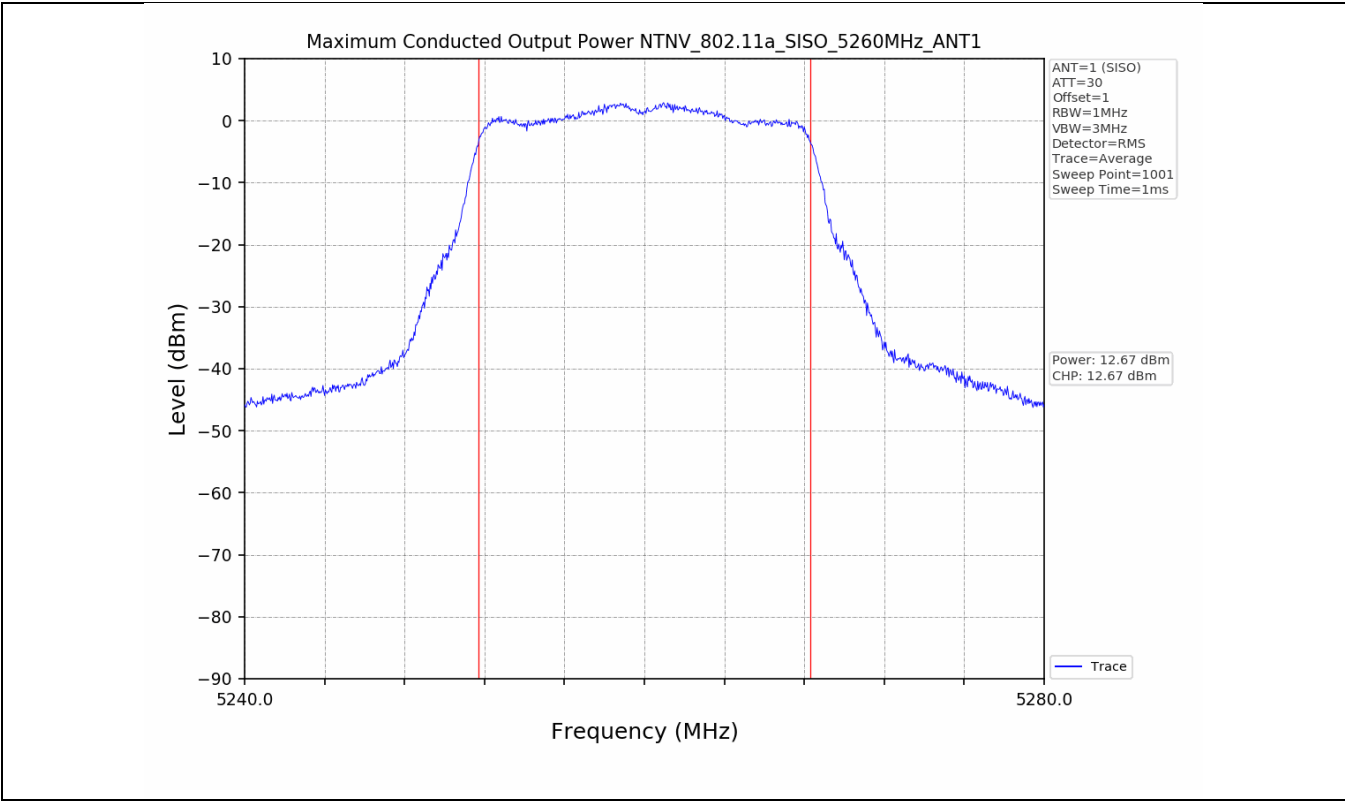


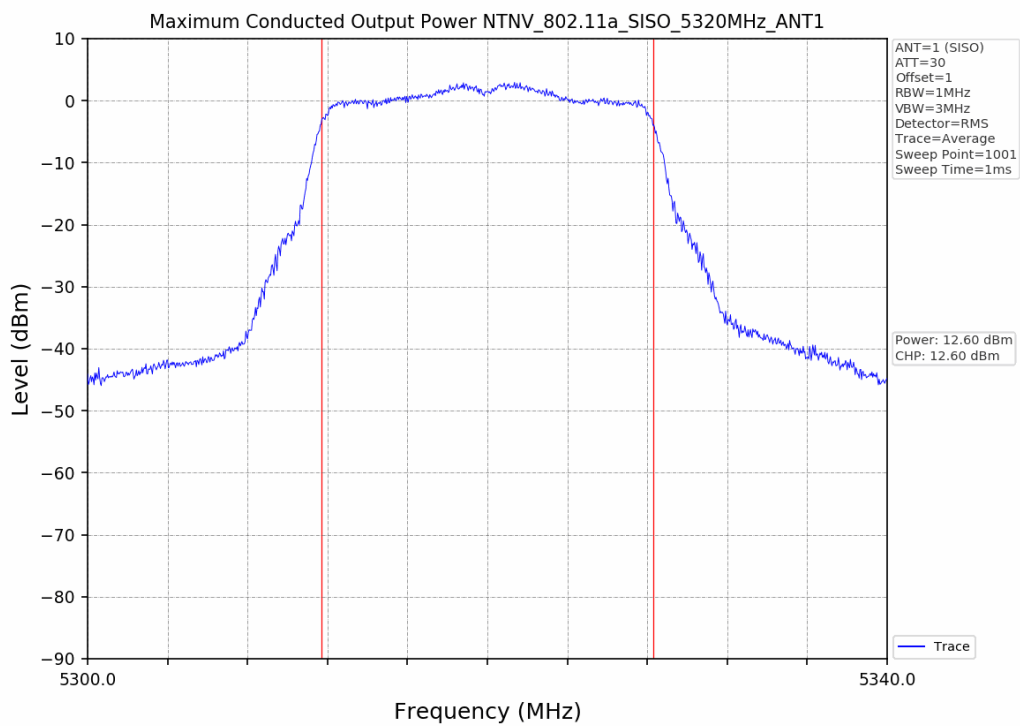
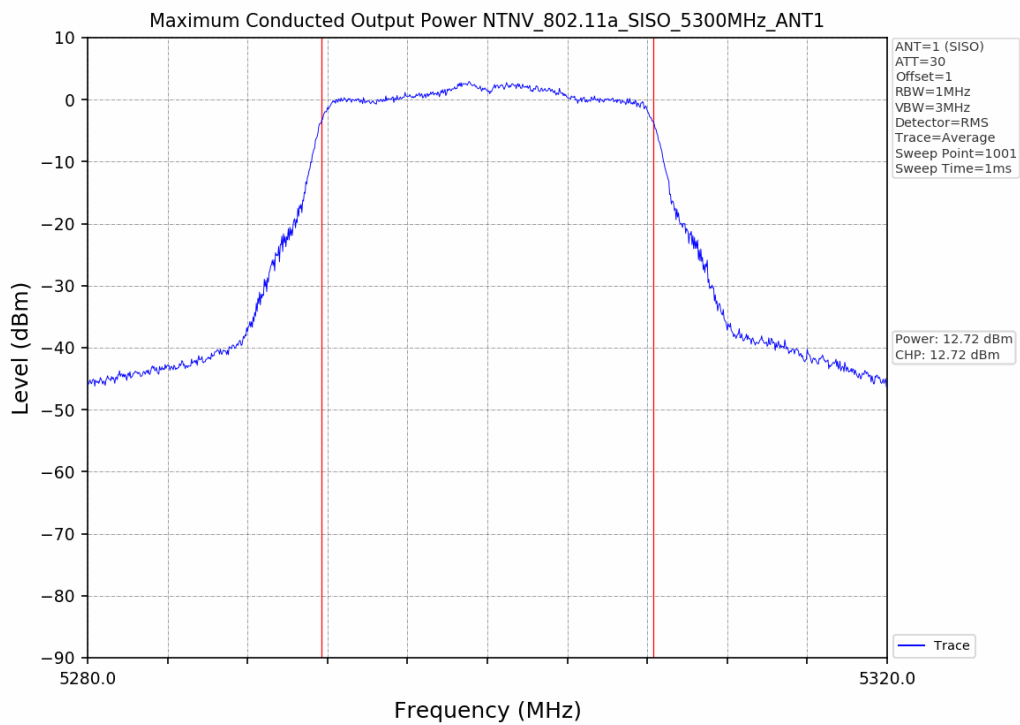
2. Maximum Conducted Output Power

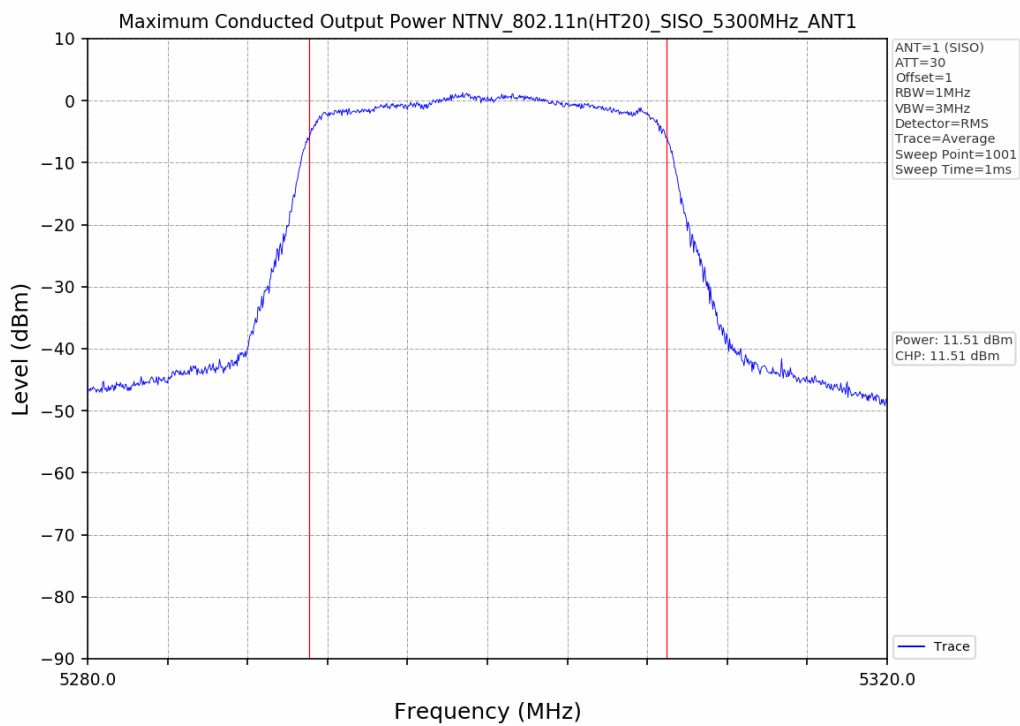
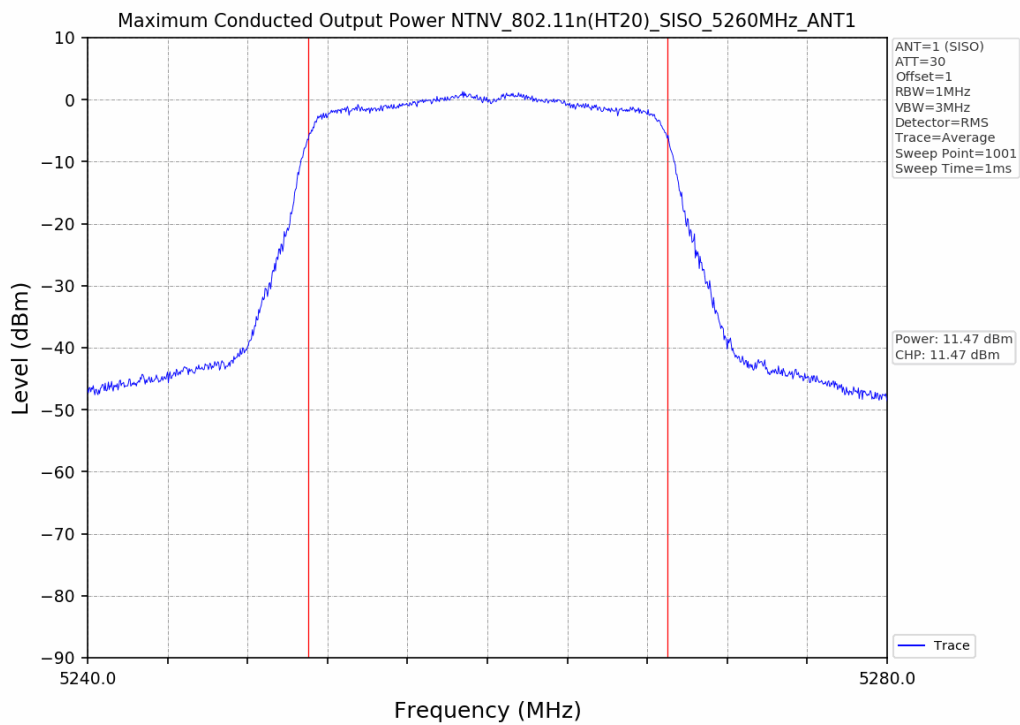
2.1 Test Result

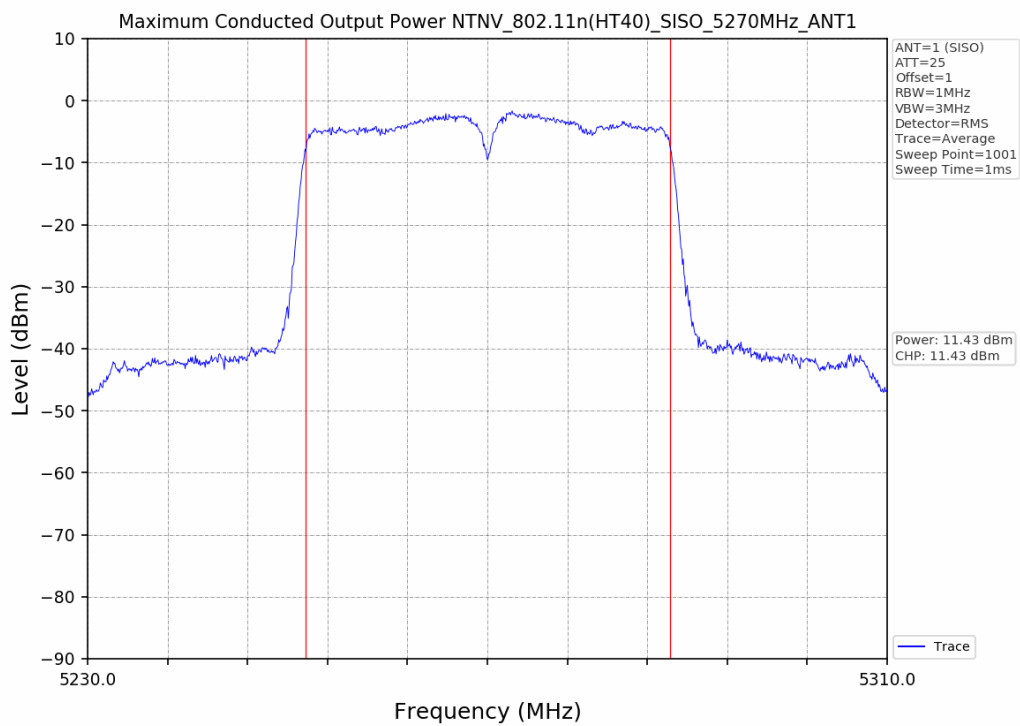
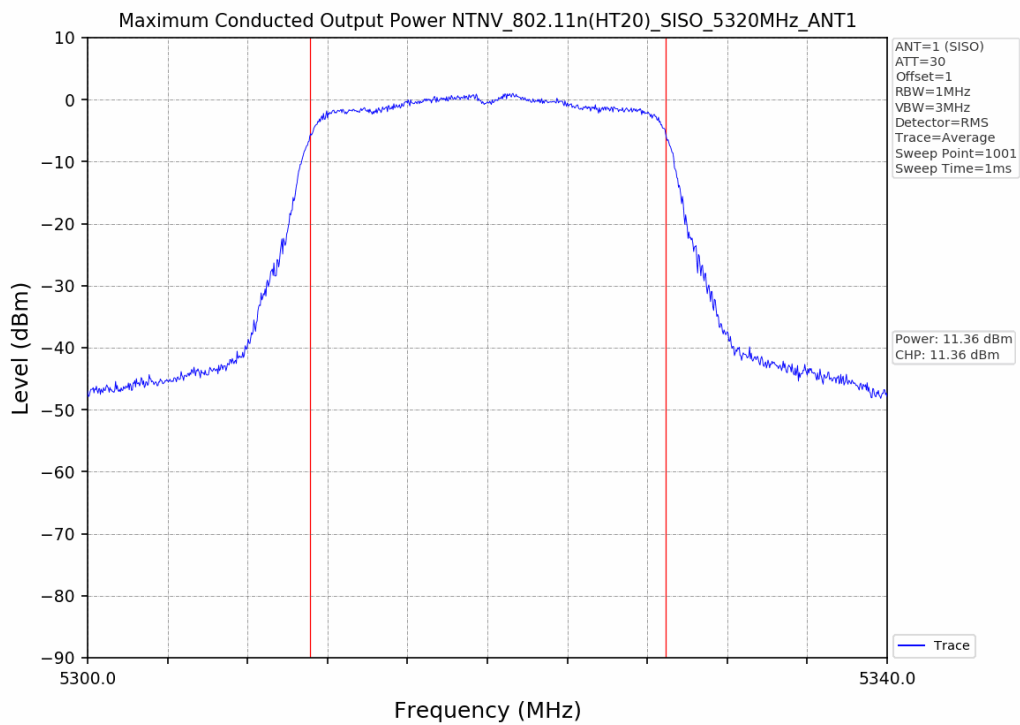
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5260	SISO	12.67	≤ 23.98	PASS
	5300	SISO	12.72	≤ 23.98	PASS
	5320	SISO	12.60	≤ 23.98	PASS
802.11n(HT20)	5260	SISO	11.47	≤ 23.98	PASS
	5300	SISO	11.51	≤ 23.98	PASS
	5320	SISO	11.36	≤ 23.98	PASS
802.11n(HT40)	5270	SISO	11.43	≤ 23.98	PASS
	5310	SISO	18.43	≤ 23.98	PASS
802.11ac(VHT20)	5260	SISO	9.62	≤ 23.98	PASS
	5300	SISO	9.49	≤ 23.98	PASS
	5320	SISO	16.39	≤ 23.98	PASS
802.11ac(VHT40)	5270	SISO	8.11	≤ 23.98	PASS
	5310	SISO	15.15	≤ 23.98	PASS
802.11ac(VHT80)	5290	SISO	14.84	≤ 23.98	PASS

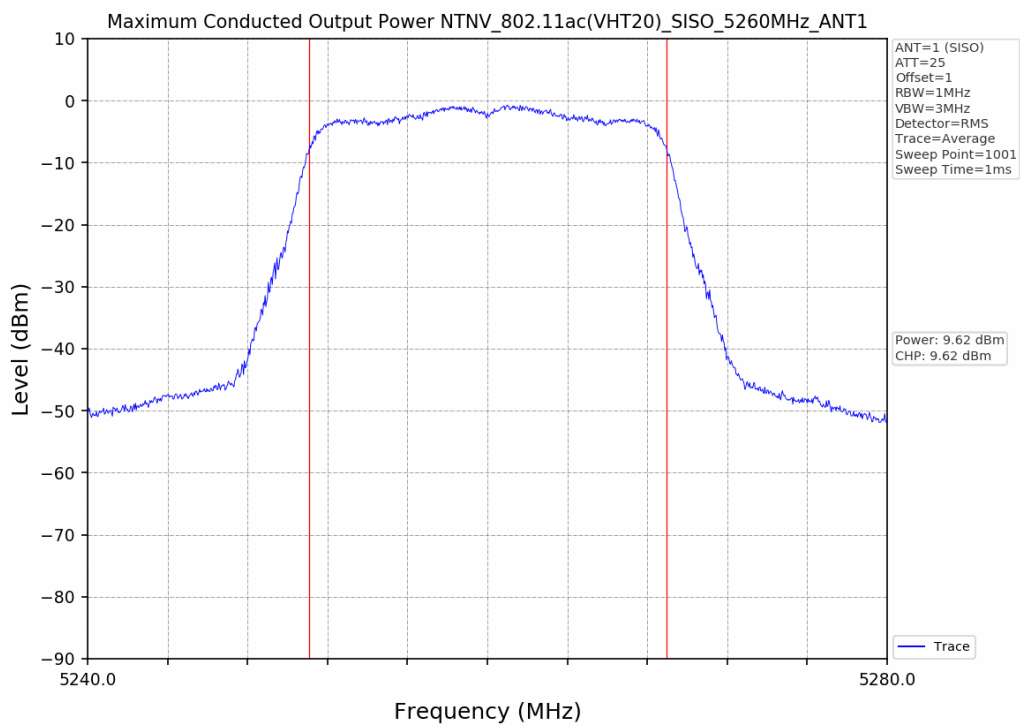
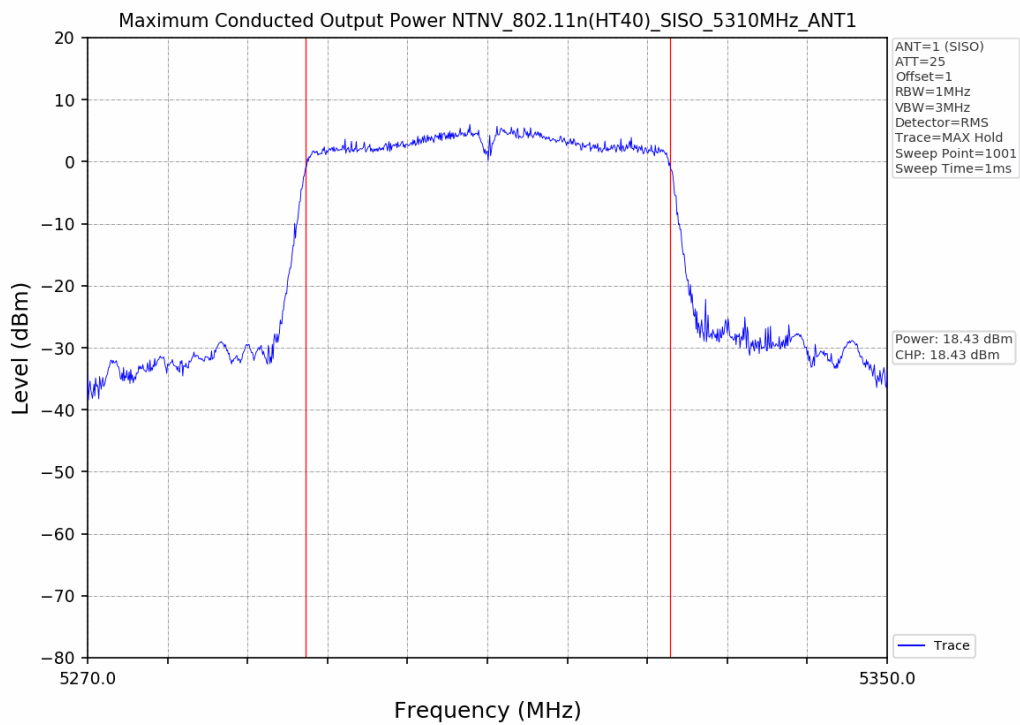
2.2 Test Graph

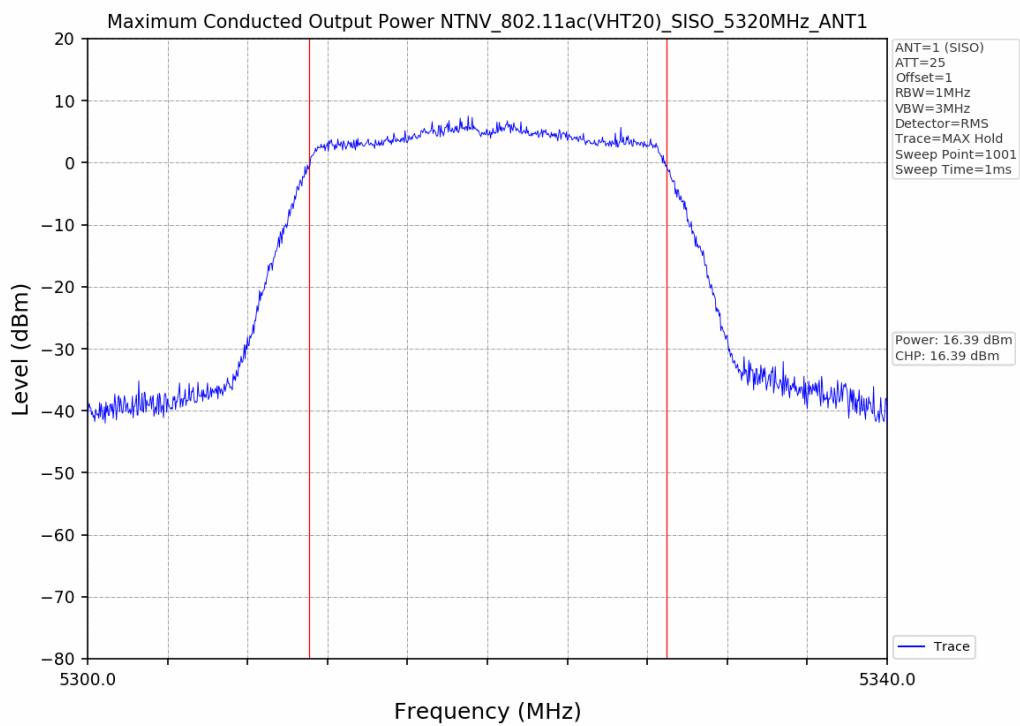
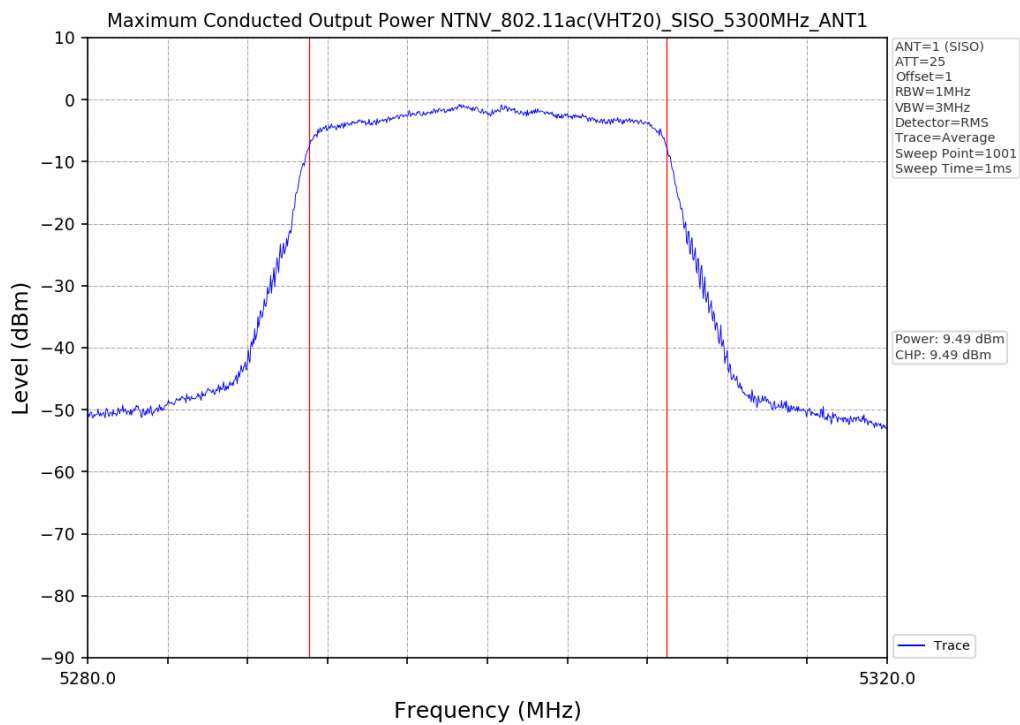


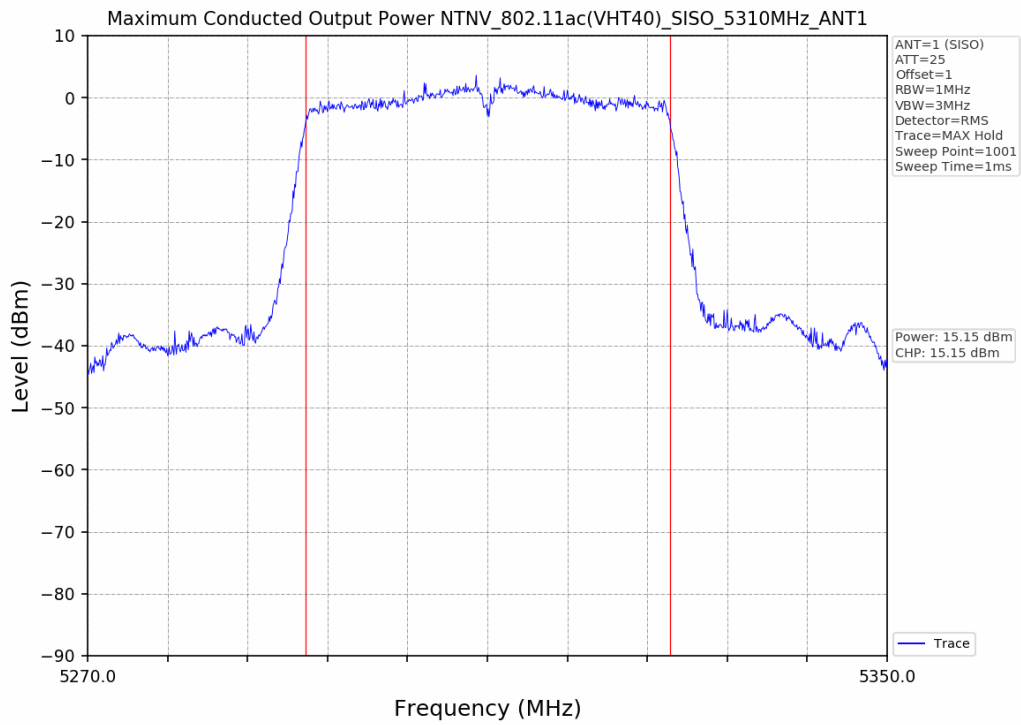
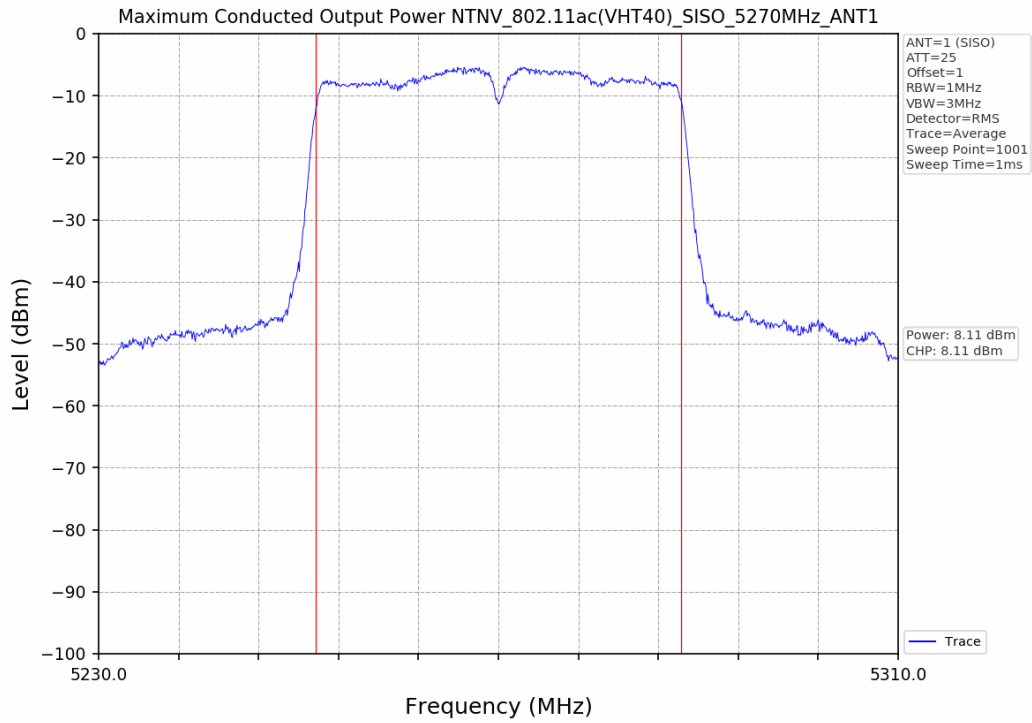


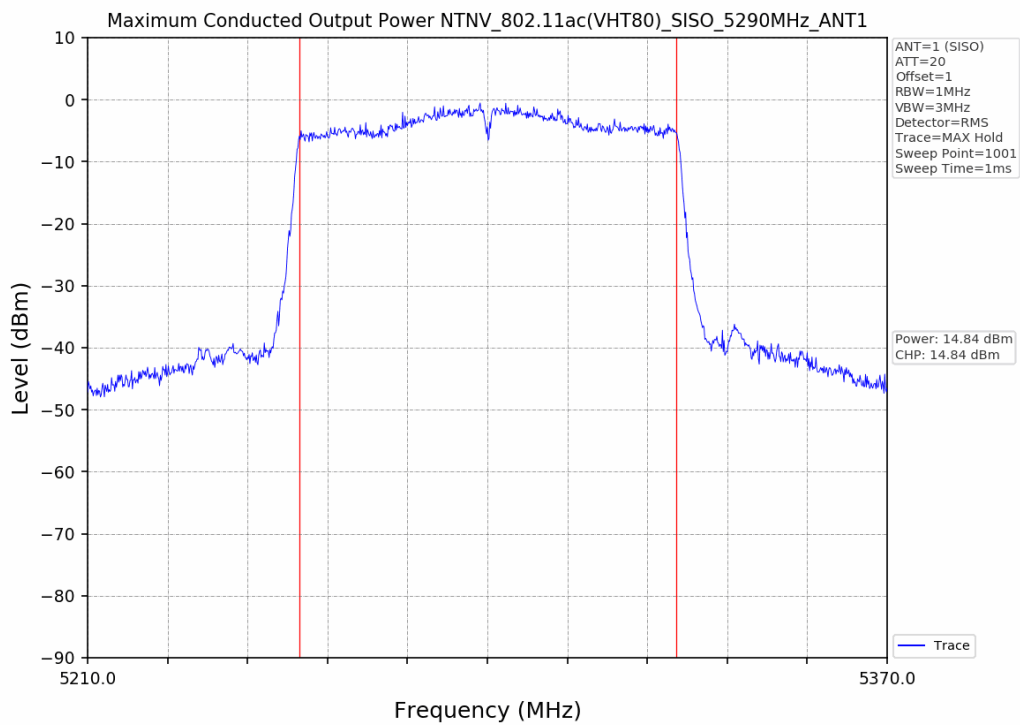










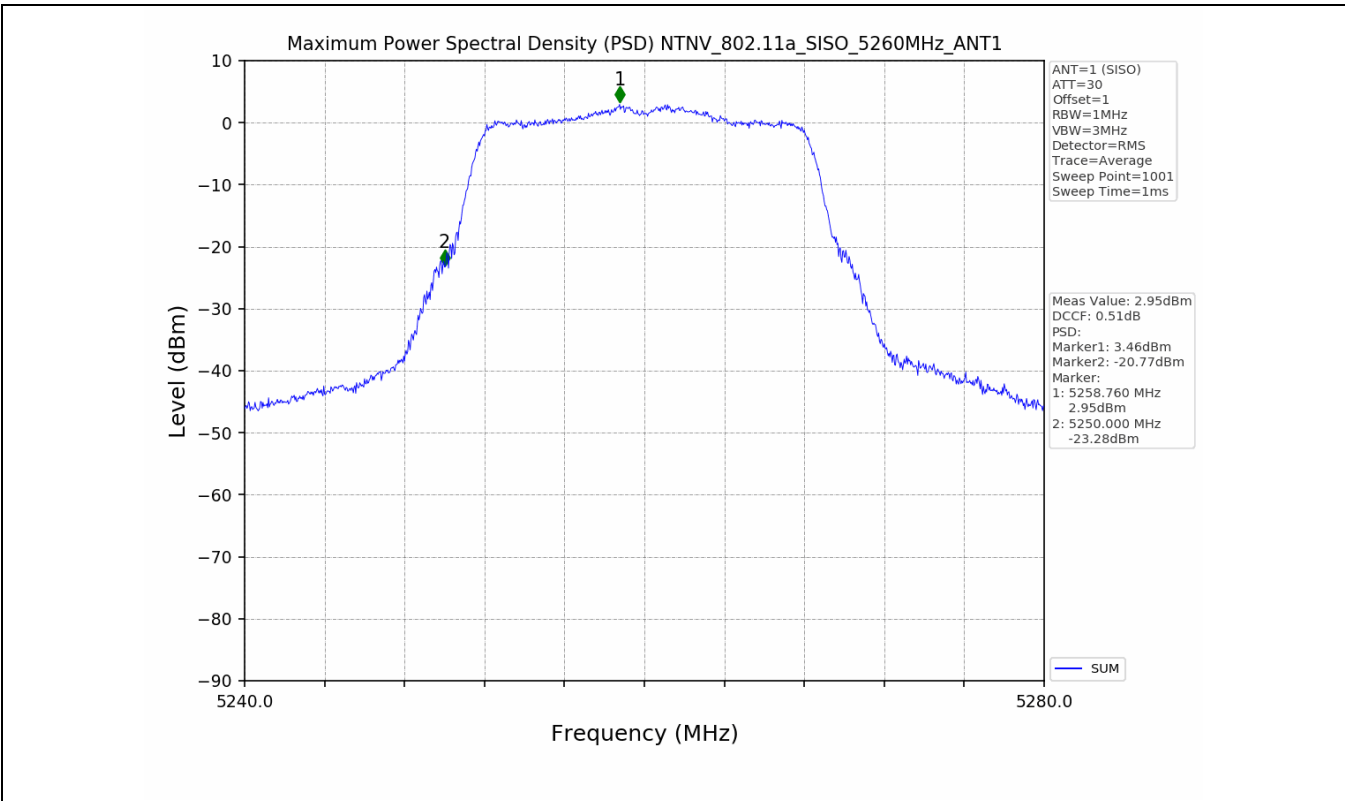


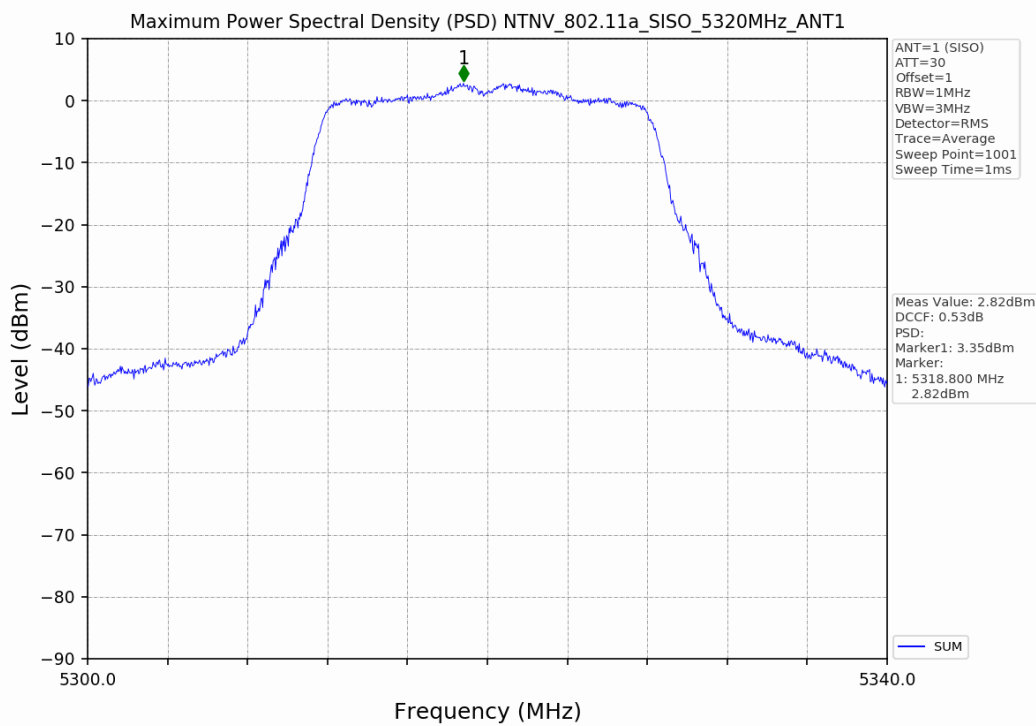
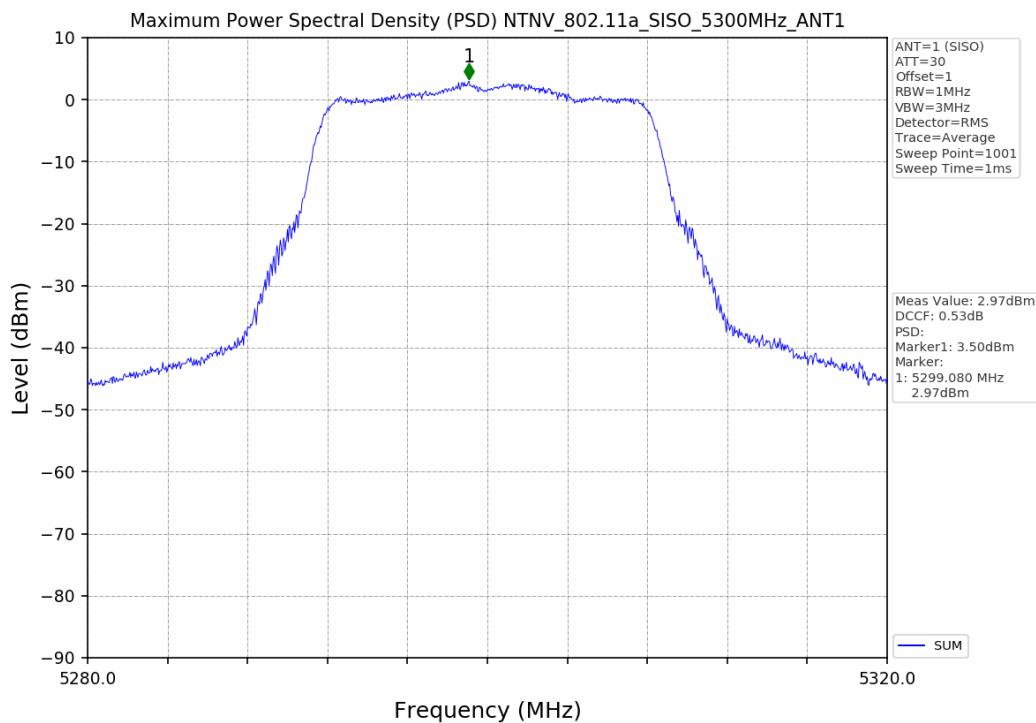
3. Maximum Power Spectral Density (PSD)

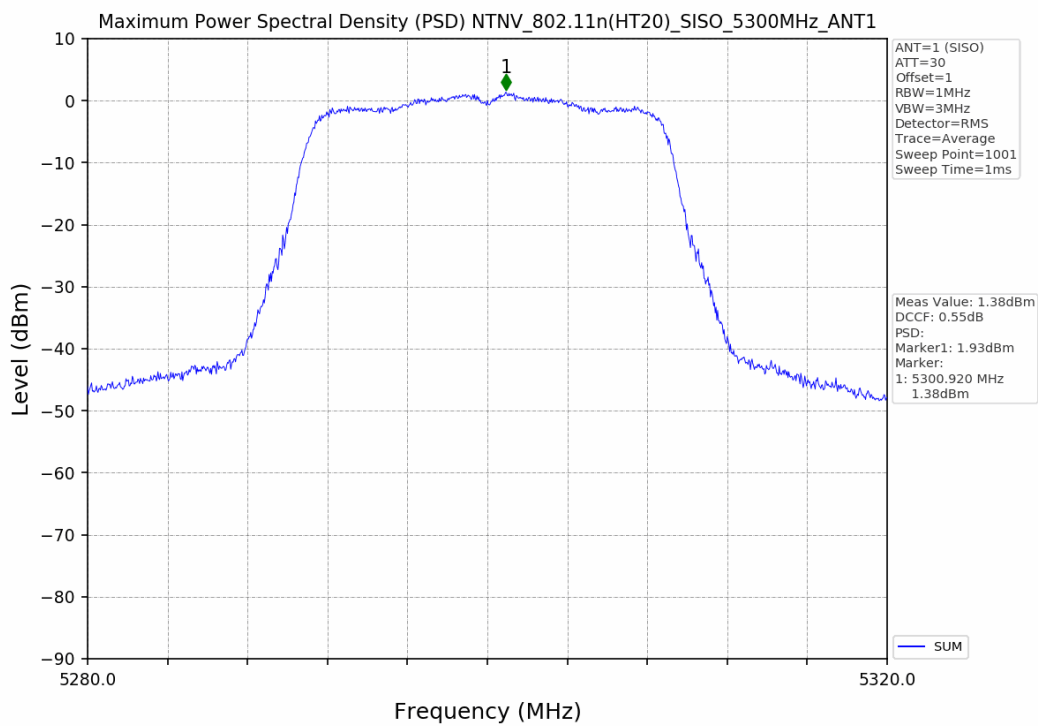
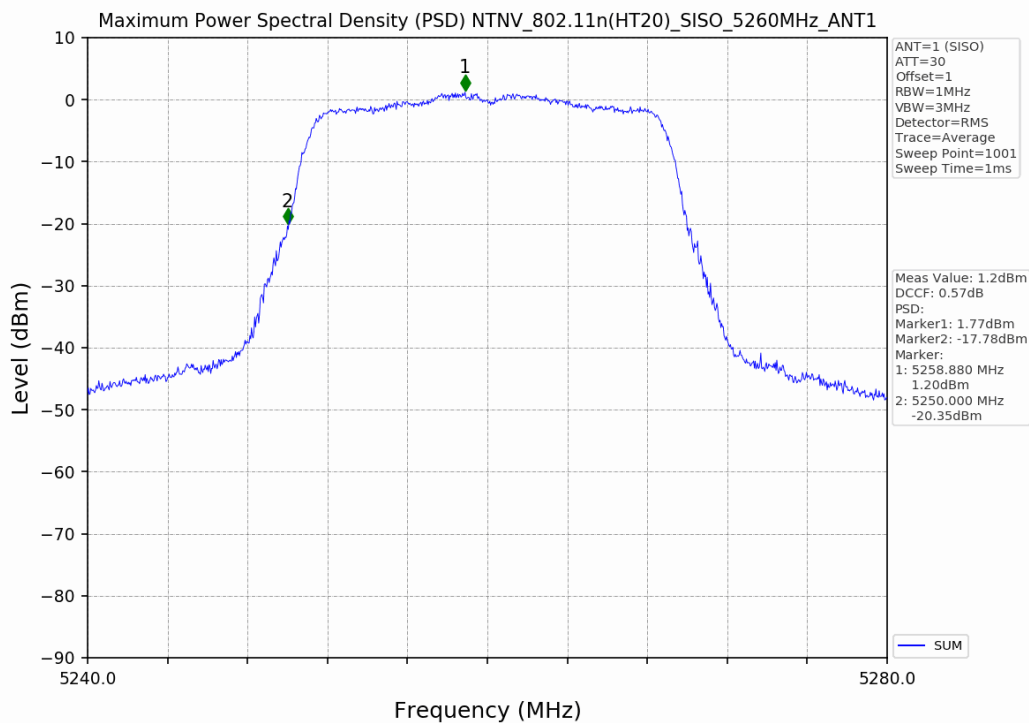
3.1 Test Result

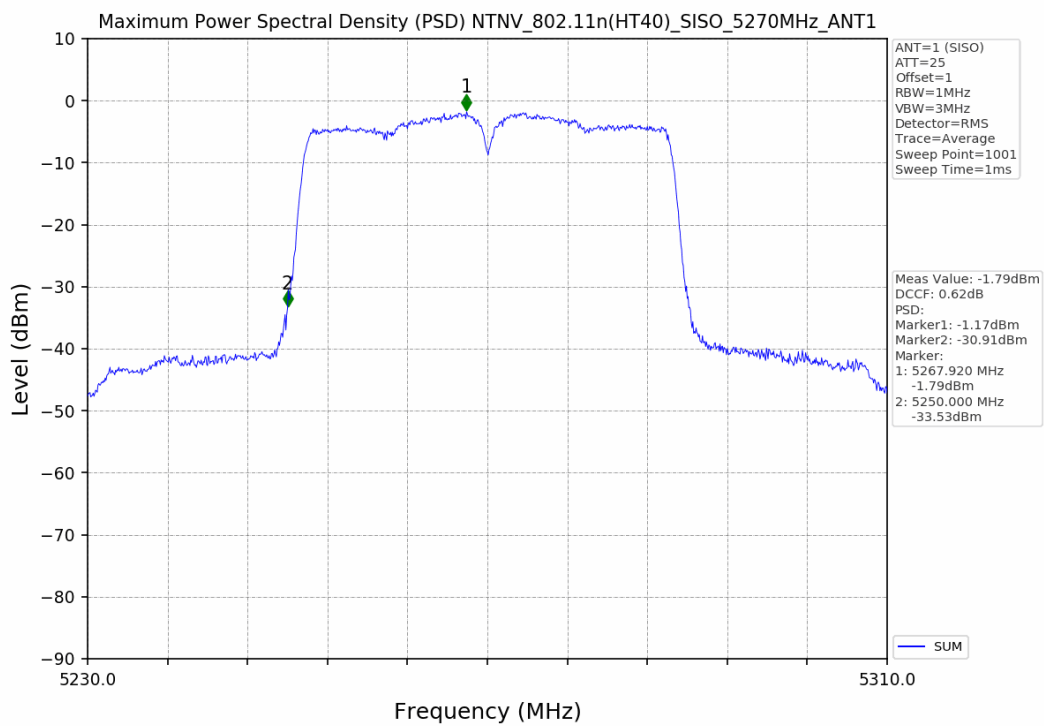
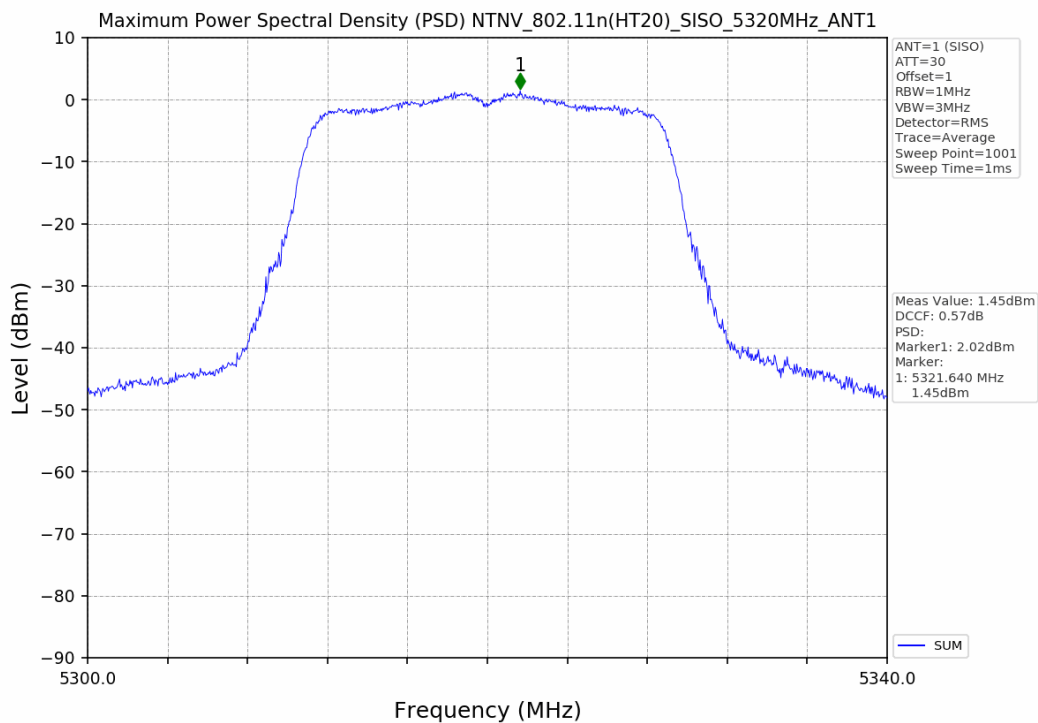
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5260	SISO	3.46	≤11	PASS
	5300	SISO	3.50	≤11	PASS
	5320	SISO	3.35	≤11	PASS
802.11n(HT20)	5260	SISO	1.77	≤11	PASS
	5300	SISO	1.93	≤11	PASS
	5320	SISO	2.02	≤11	PASS
802.11n(HT40)	5270	SISO	-1.17	≤11	PASS
	5310	SISO	5.92	≤11	PASS
802.11ac(VHT20)	5260	SISO	0.20	≤11	PASS
	5300	SISO	-0.22	≤11	PASS
	5320	SISO	6.88	≤11	PASS
802.11ac(VHT40)	5270	SISO	-4.69	≤11	PASS
	5310	SISO	3.15	≤11	PASS
802.11ac(VHT80)	5290	SISO	-0.31	≤11	PASS

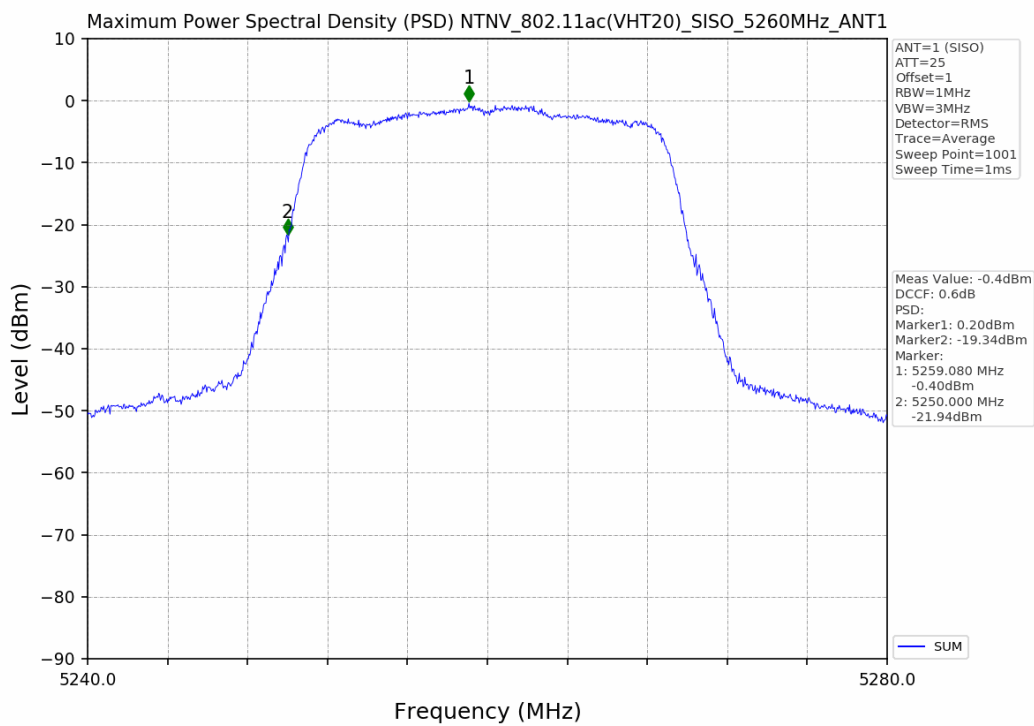
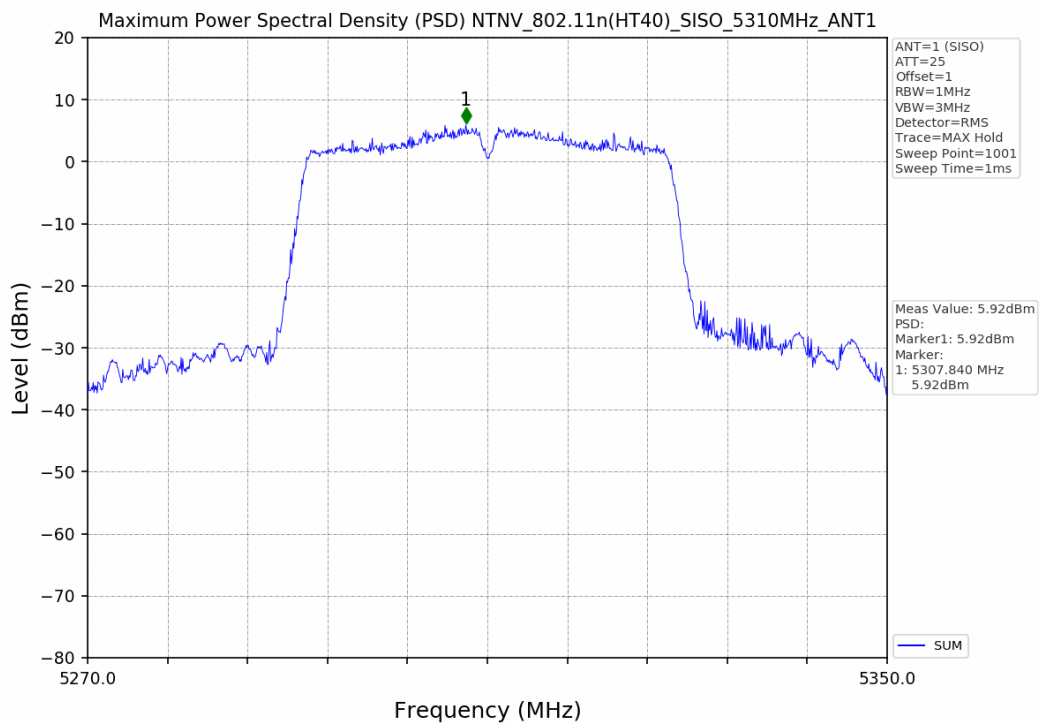
3.2 Test Graph

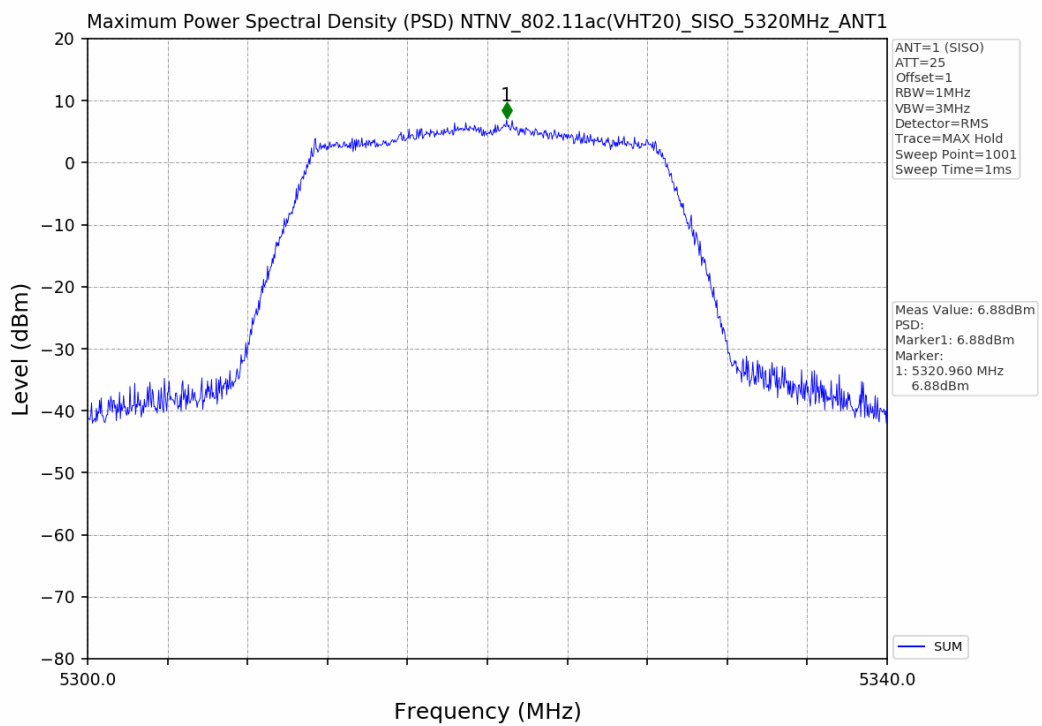
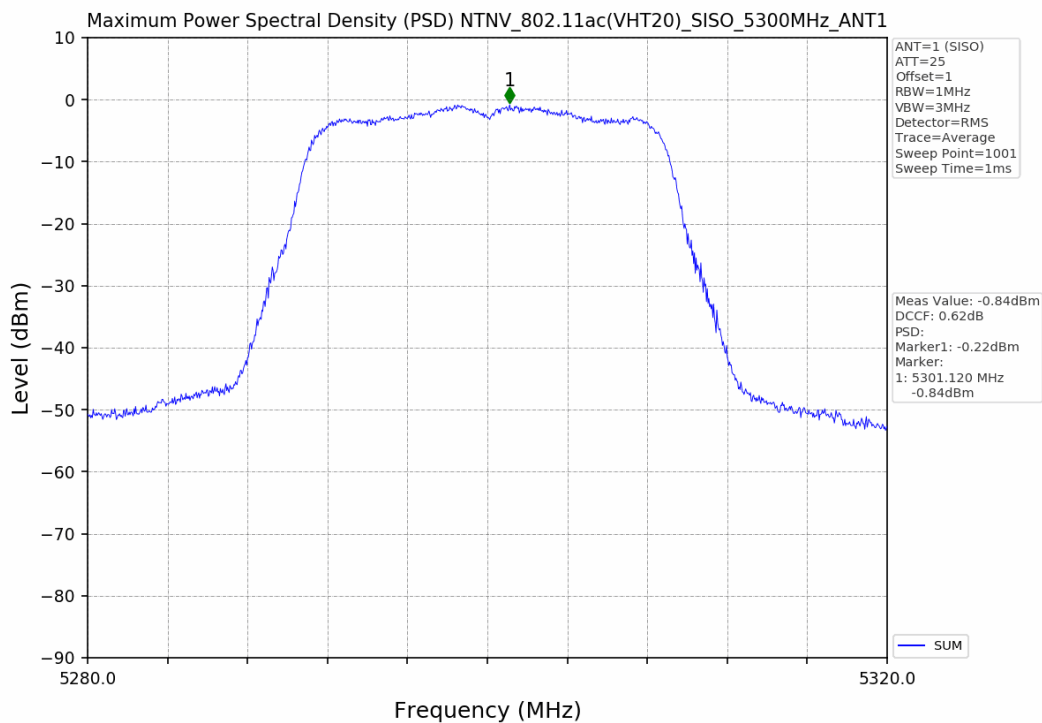


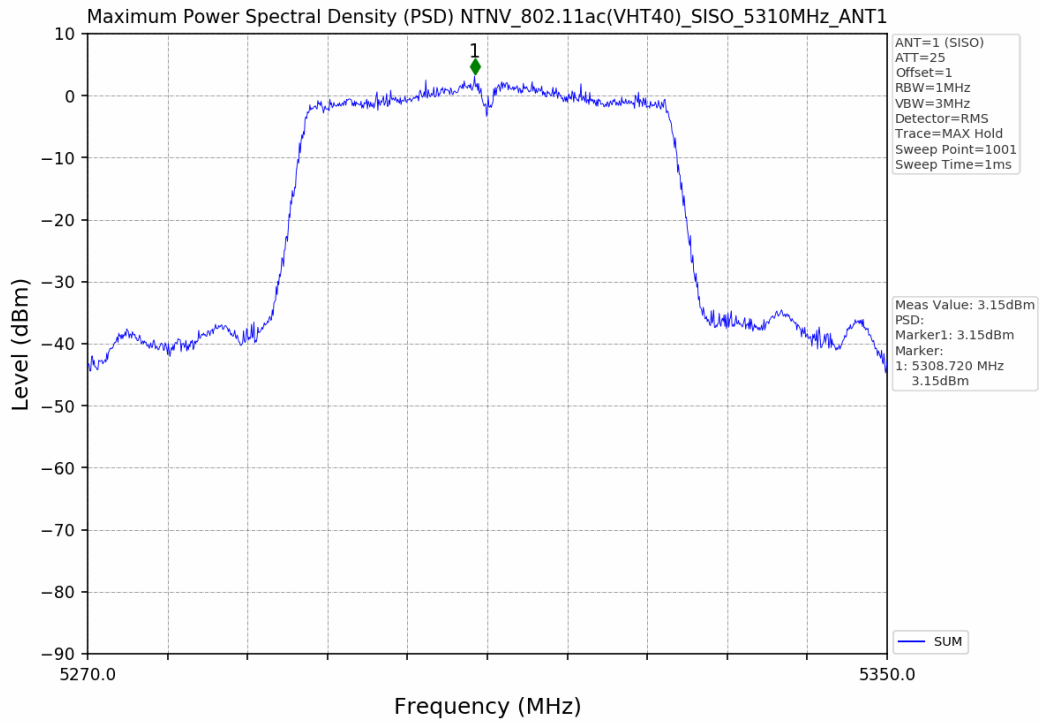
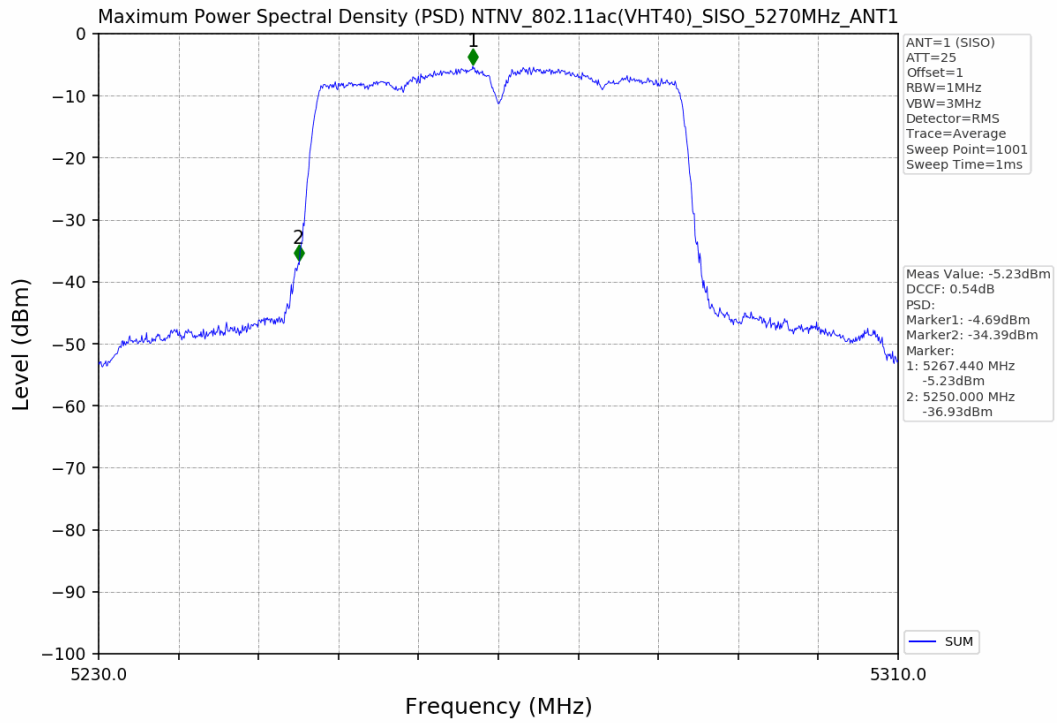


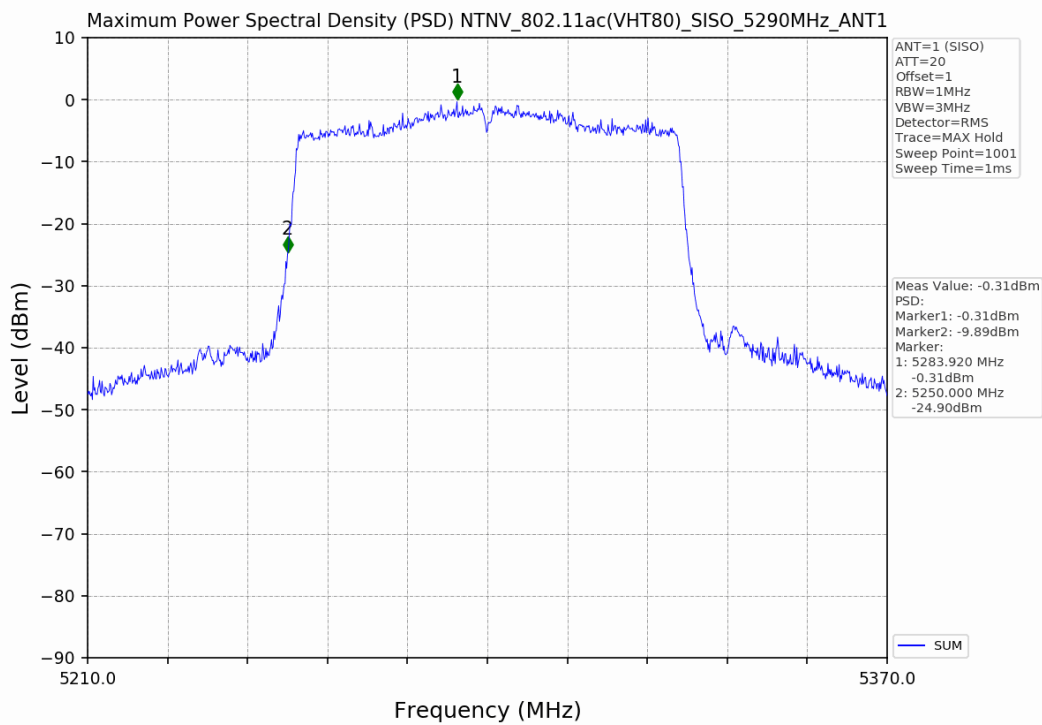












4. Frequency Stability

4.1 Test Result

Reference Frequency: 802.11a channel=52 frequency=5260MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.0	-30	45.2	7.78	Within the band of operation	Pass
	-20	66.5	11.76		
	-10	79.3	14.32		
	0	83.1	15.89		
	10	83.6	16.03		
	20	65.5	11.83		
	30	52.4	10.08		
	40	56.7	10.56		
	50	50.3	9.42		
5.5	25	90.4	16.88	Within the band of operation	Pass
4.5	25	45.6	8.92		