

Appendix for 15.407

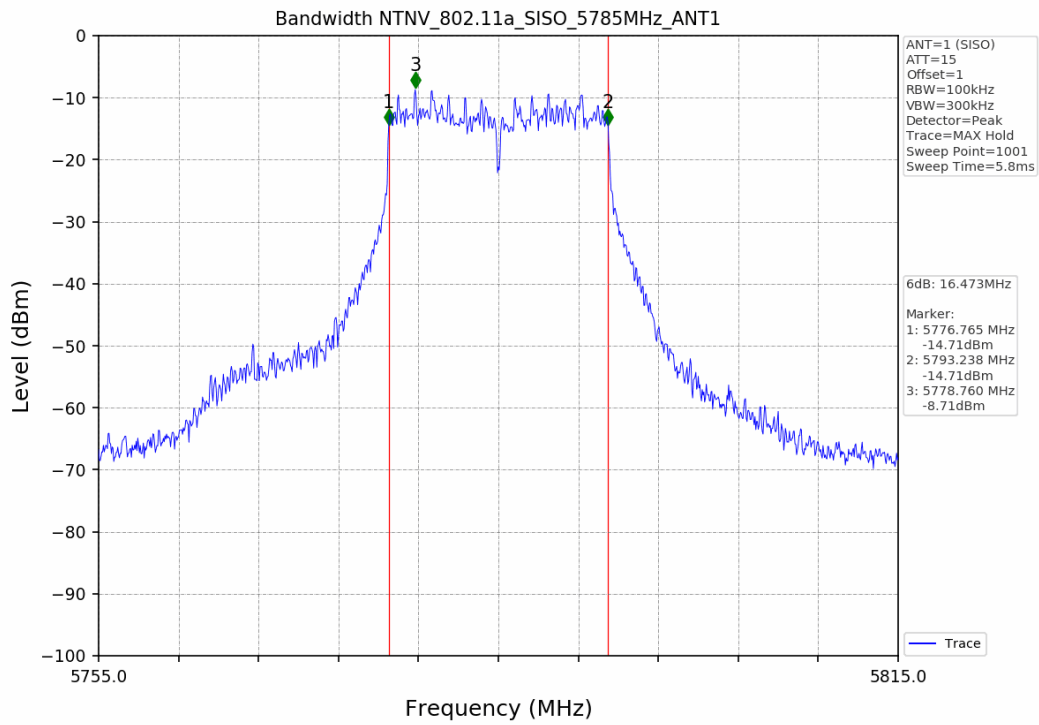
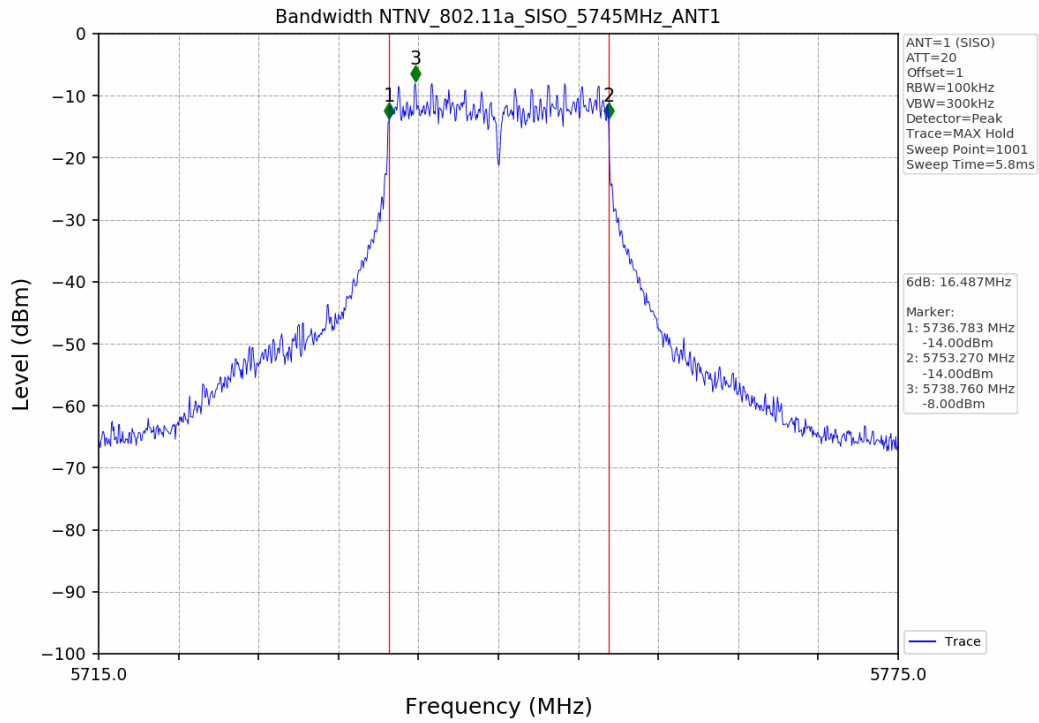
1. Bandwidth

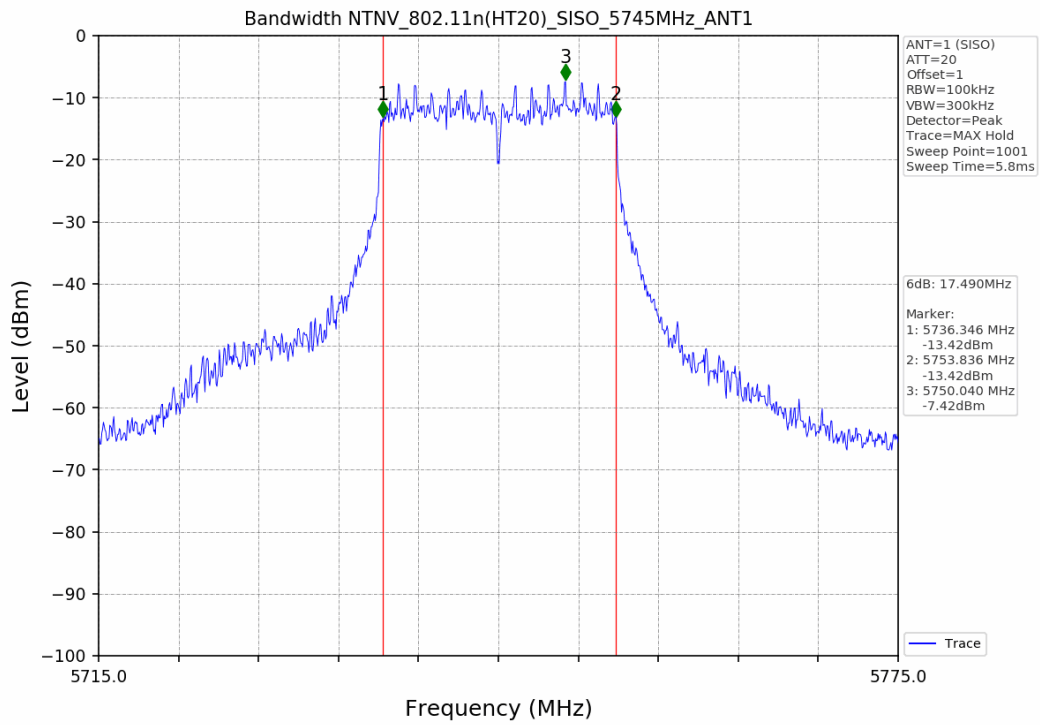
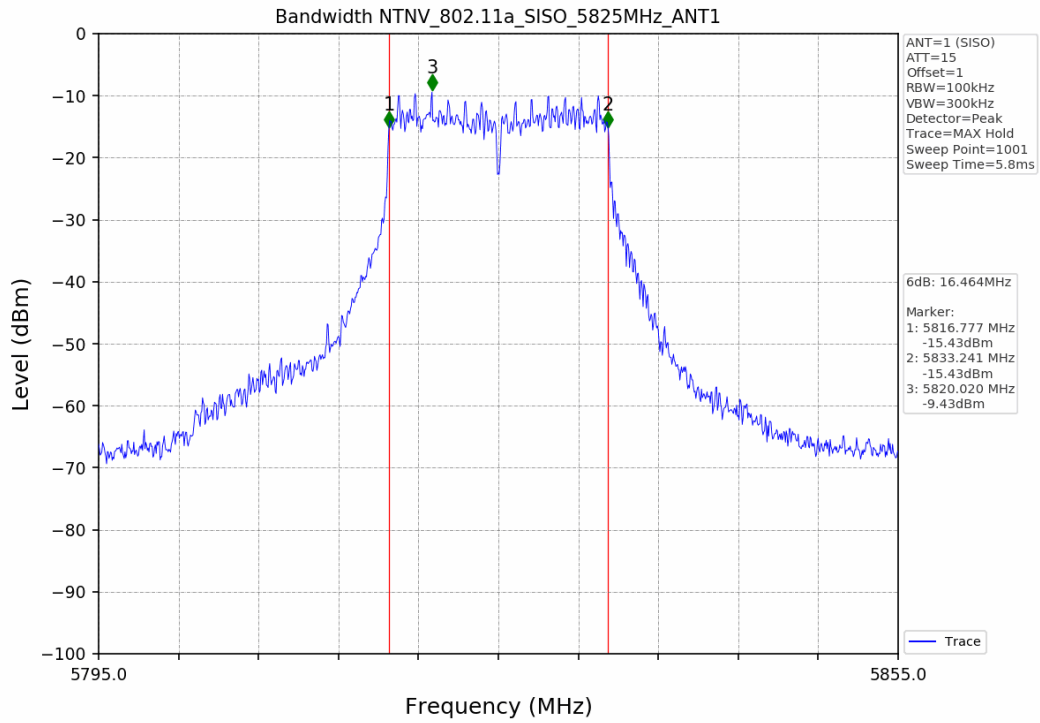
1.1 Test Result

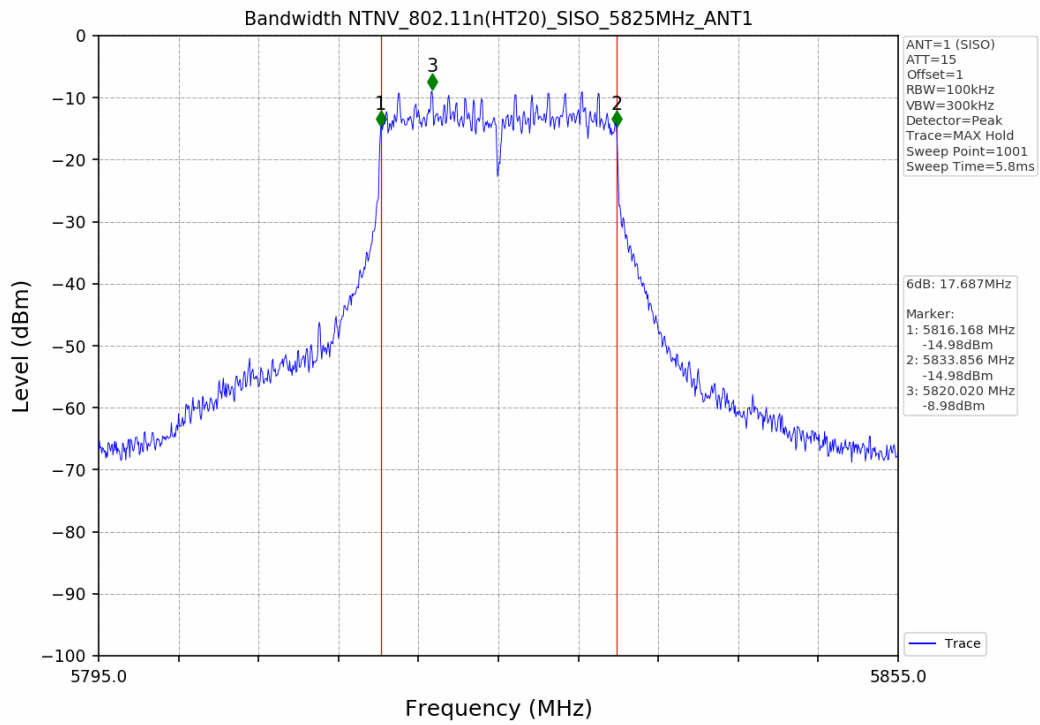
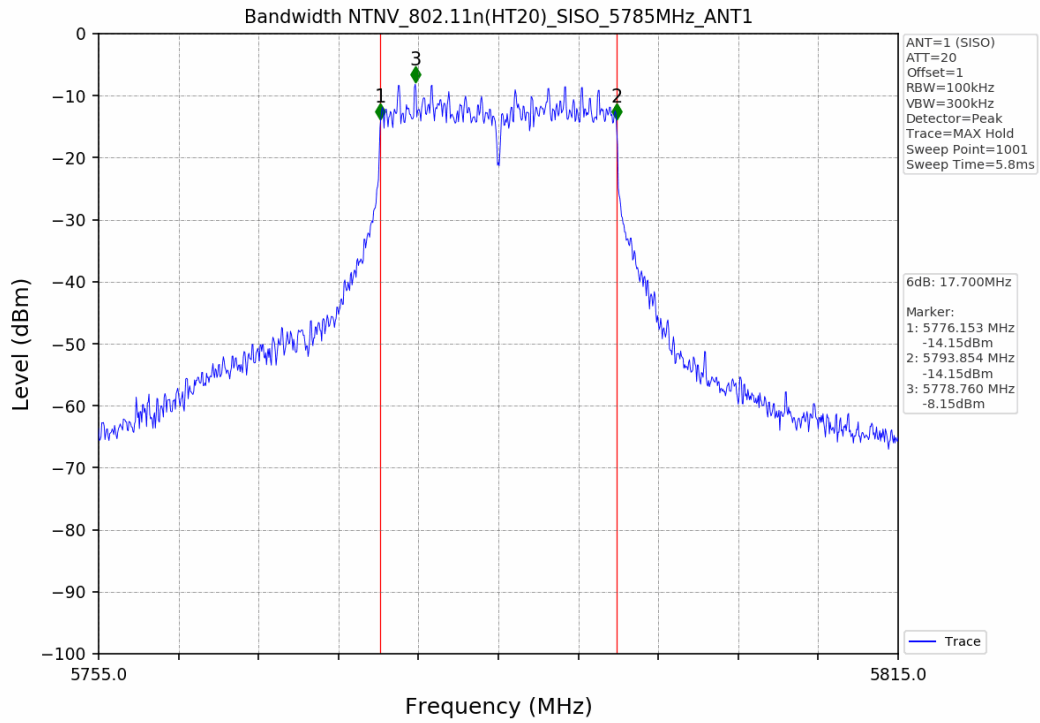
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.487	≥0.5	PASS
	5785	SISO	1	16.473	≥0.5	PASS
	5825	SISO	1	16.464	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	17.490	≥0.5	PASS
	5785	SISO	1	17.700	≥0.5	PASS
	5825	SISO	1	17.687	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.944	≥0.5	PASS
	5795	SISO	1	36.430	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	17.328	≥0.5	PASS
	5785	SISO	1	17.561	≥0.5	PASS
	5825	SISO	1	17.576	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.768	≥0.5	PASS
	5795	SISO	1	36.060	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.576	≥0.5	PASS

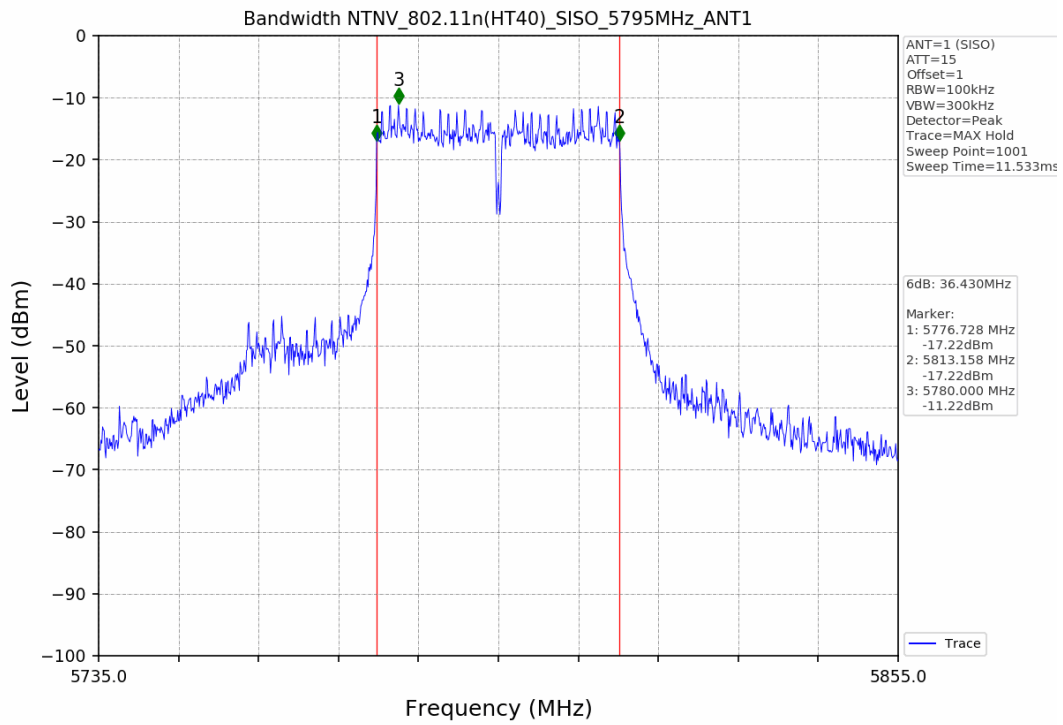
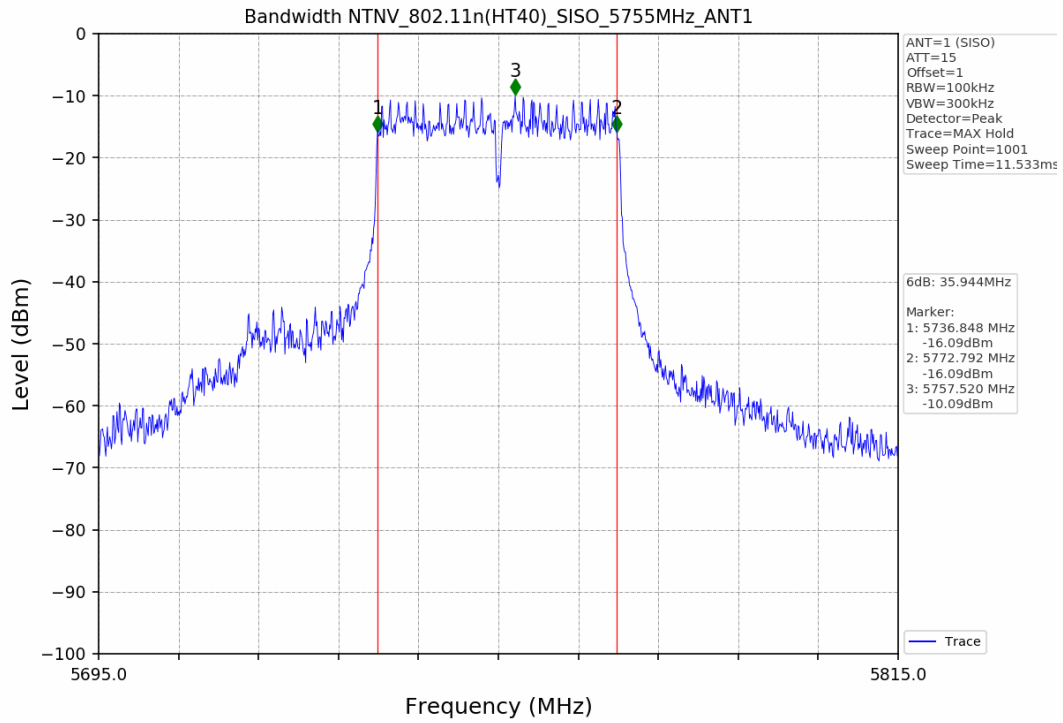
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.763	Only for Report Use
	5785	SISO	1	16.710	Only for Report Use
	5825	SISO	1	16.794	Only for Report Use
802.11n(HT20)	5745	SISO	1	17.848	Only for Report Use
	5785	SISO	1	17.827	Only for Report Use
	5825	SISO	1	17.825	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.408	Only for Report Use
	5795	SISO	1	36.806	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	17.853	Only for Report Use
	5785	SISO	1	17.913	Only for Report Use
	5825	SISO	1	18.012	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.652	Only for Report Use
	5795	SISO	1	36.691	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	76.042	Only for Report Use

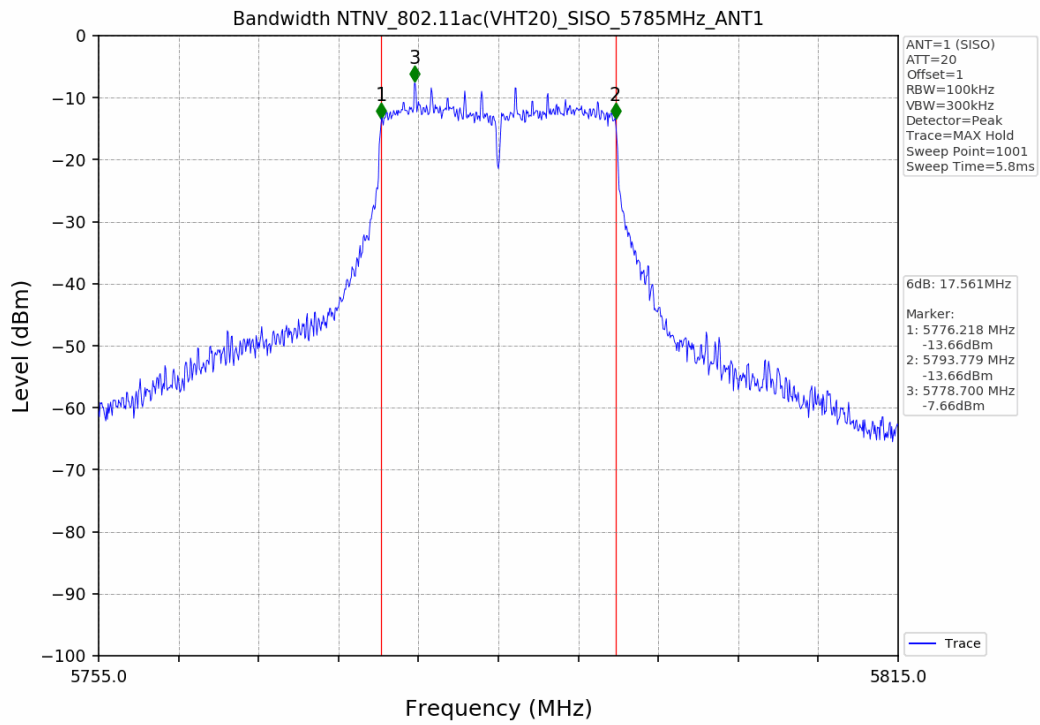
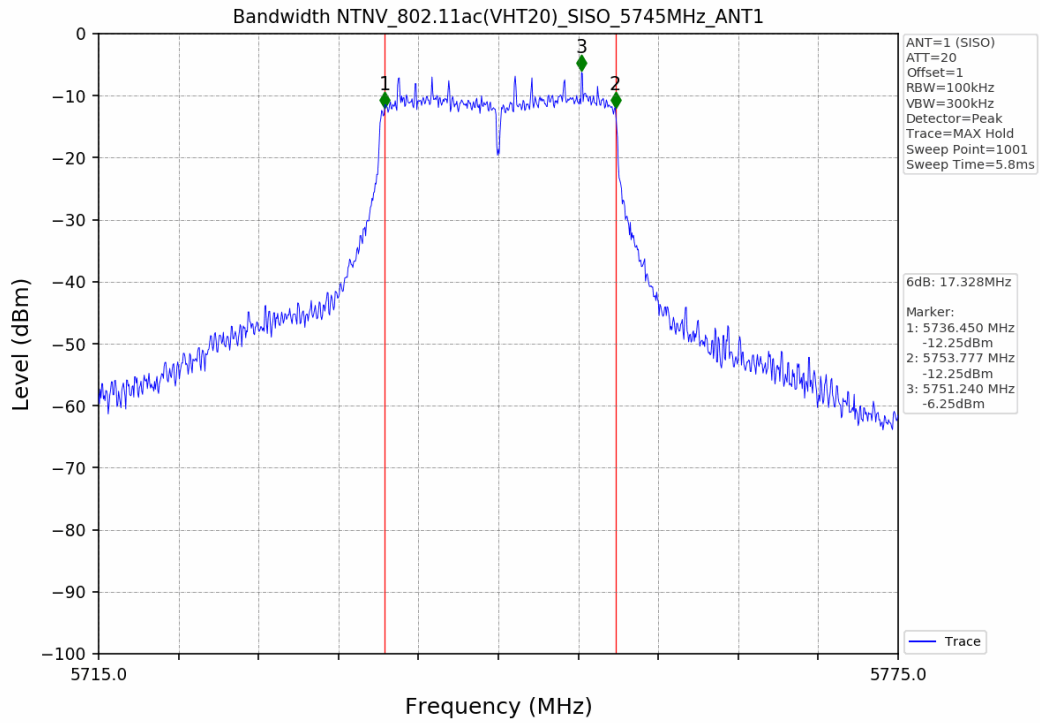
1.2 Test Graph - Emission Bandwidth

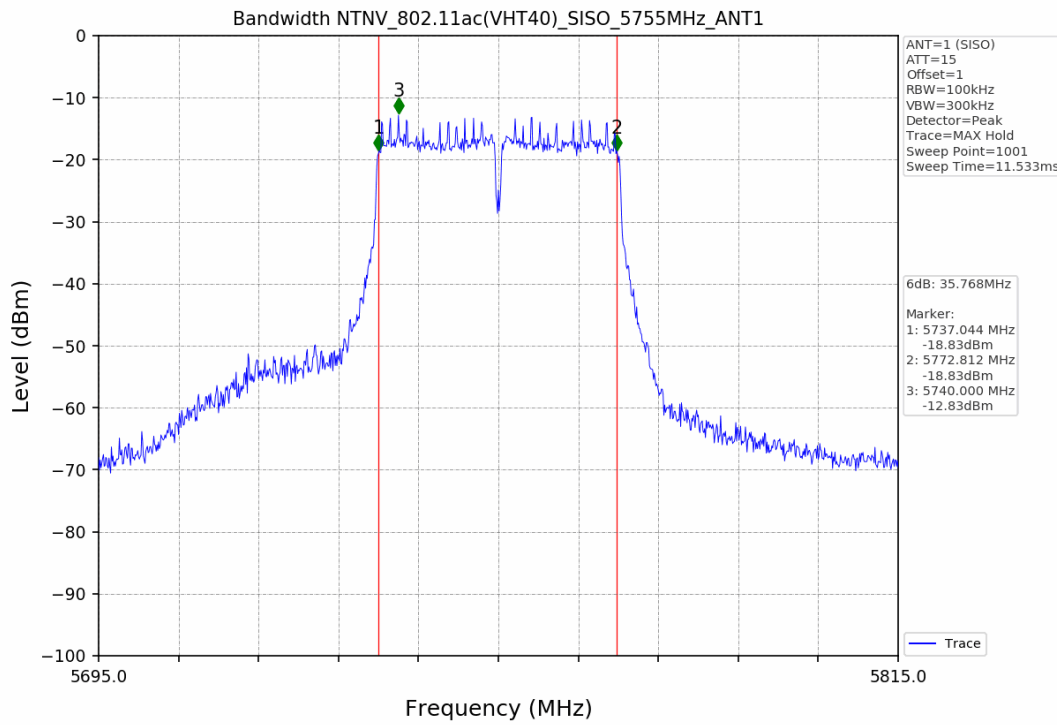
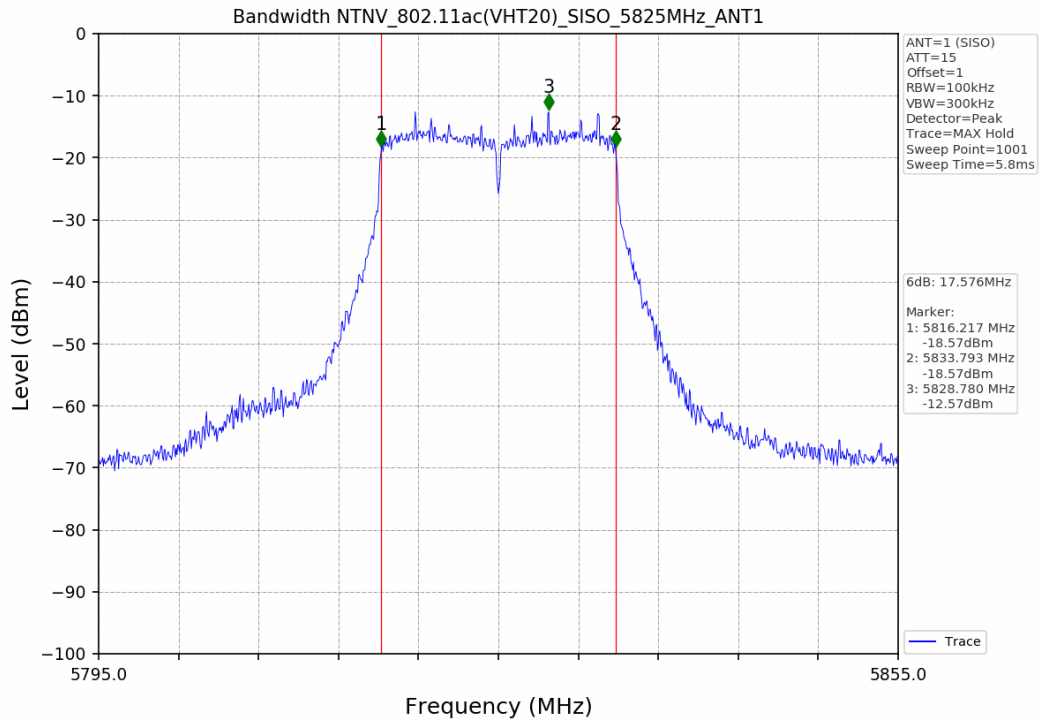


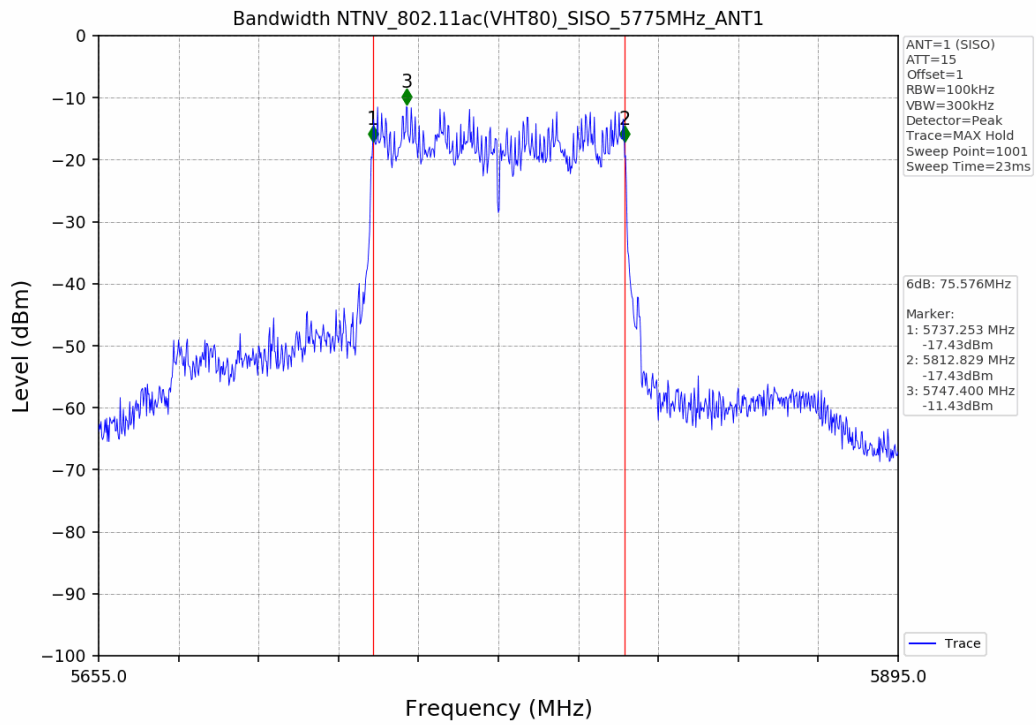
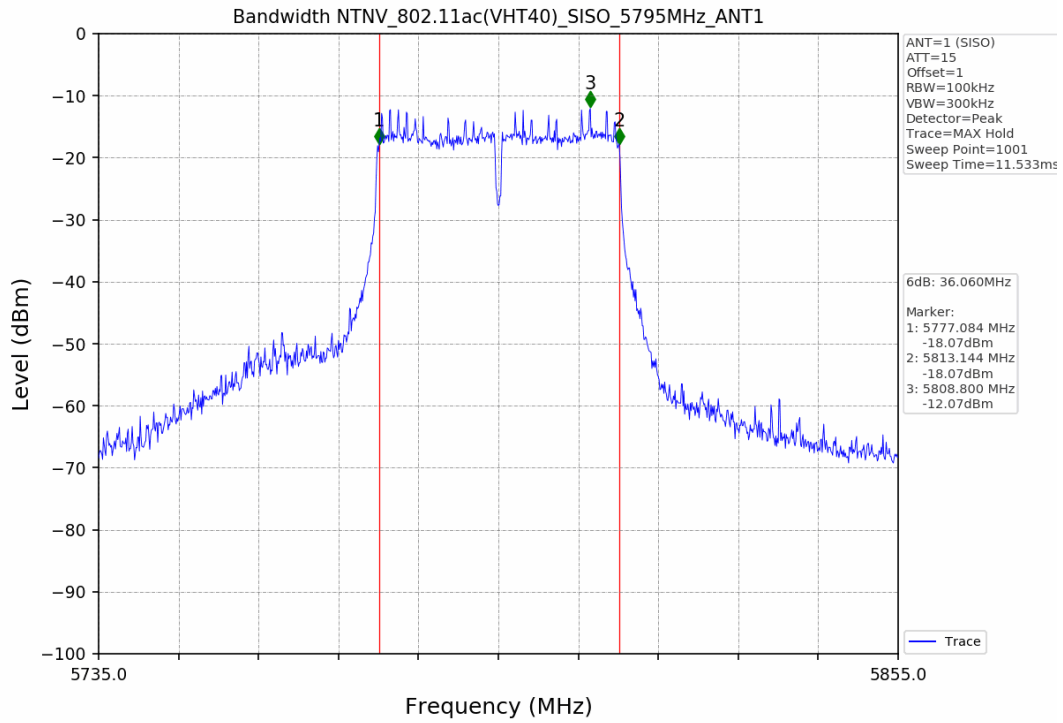




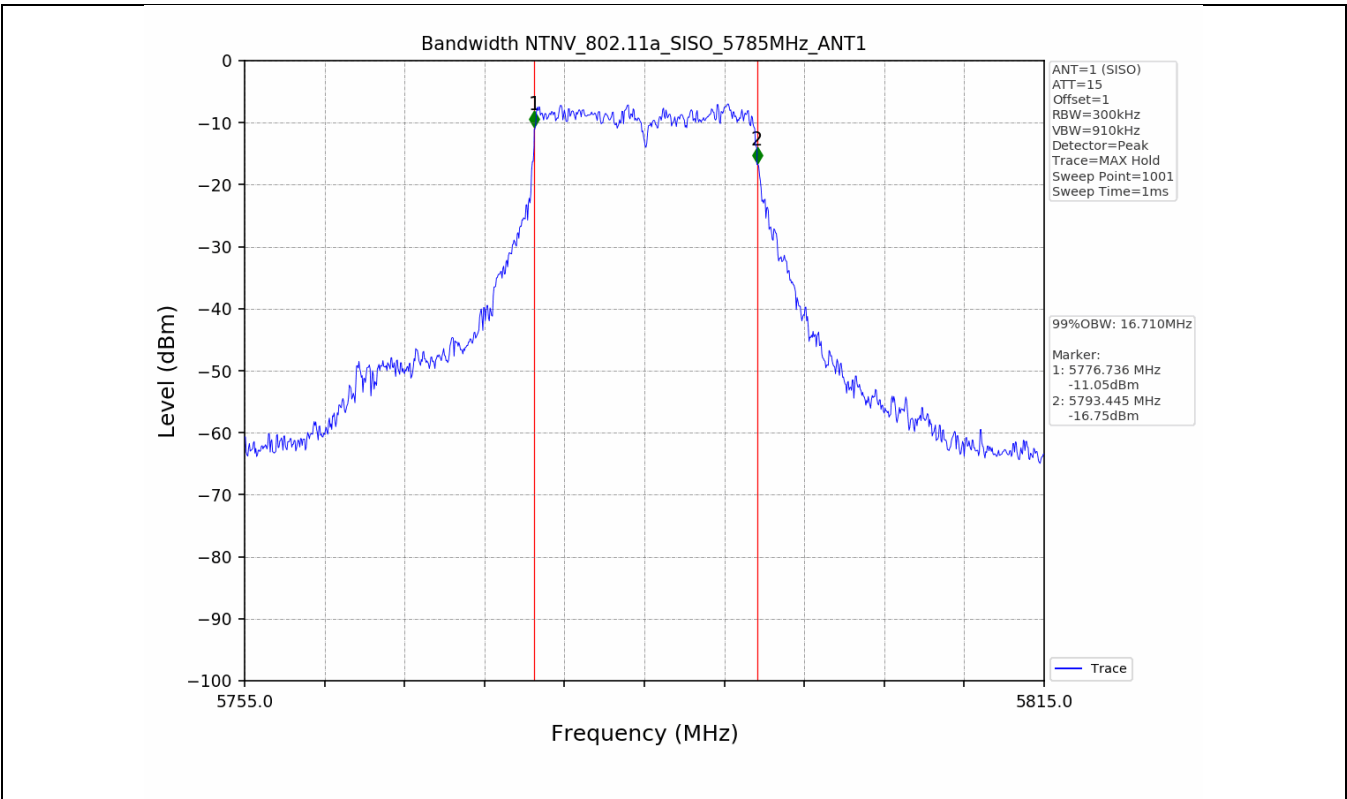
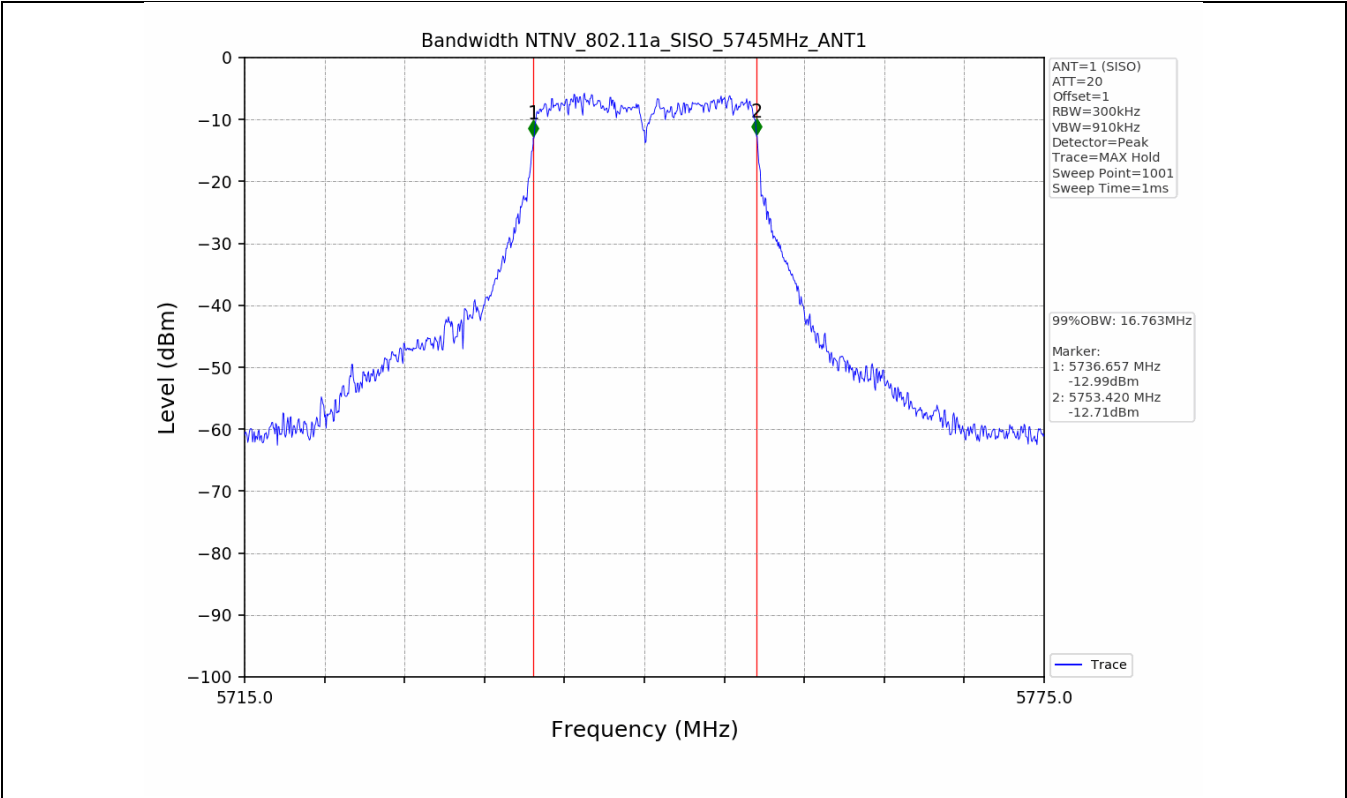


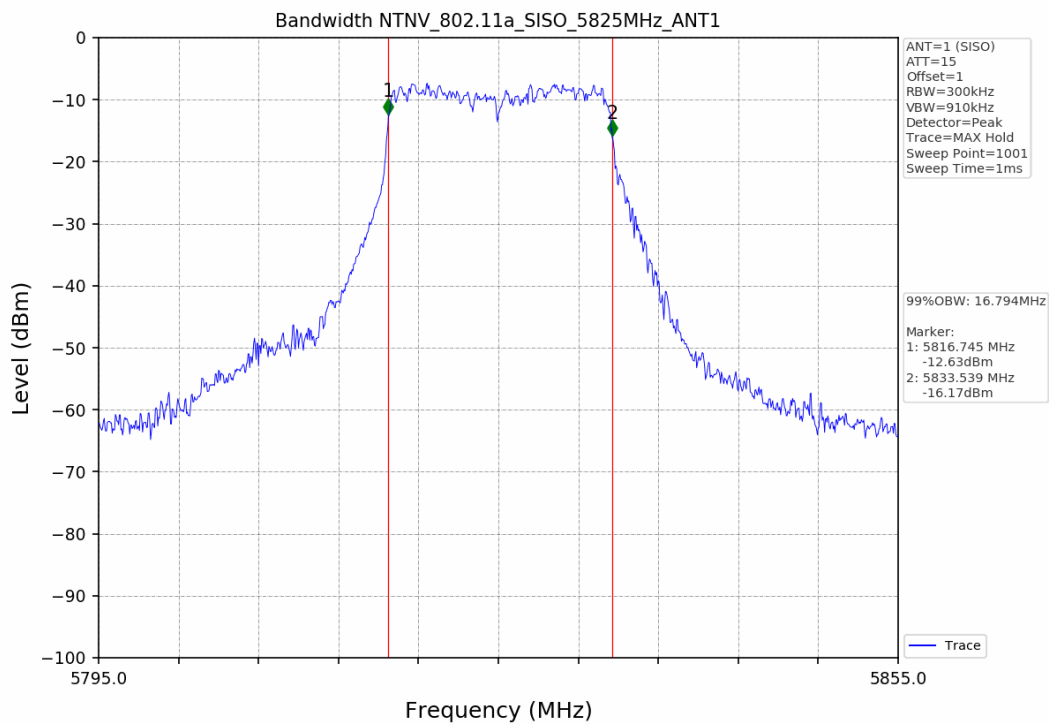


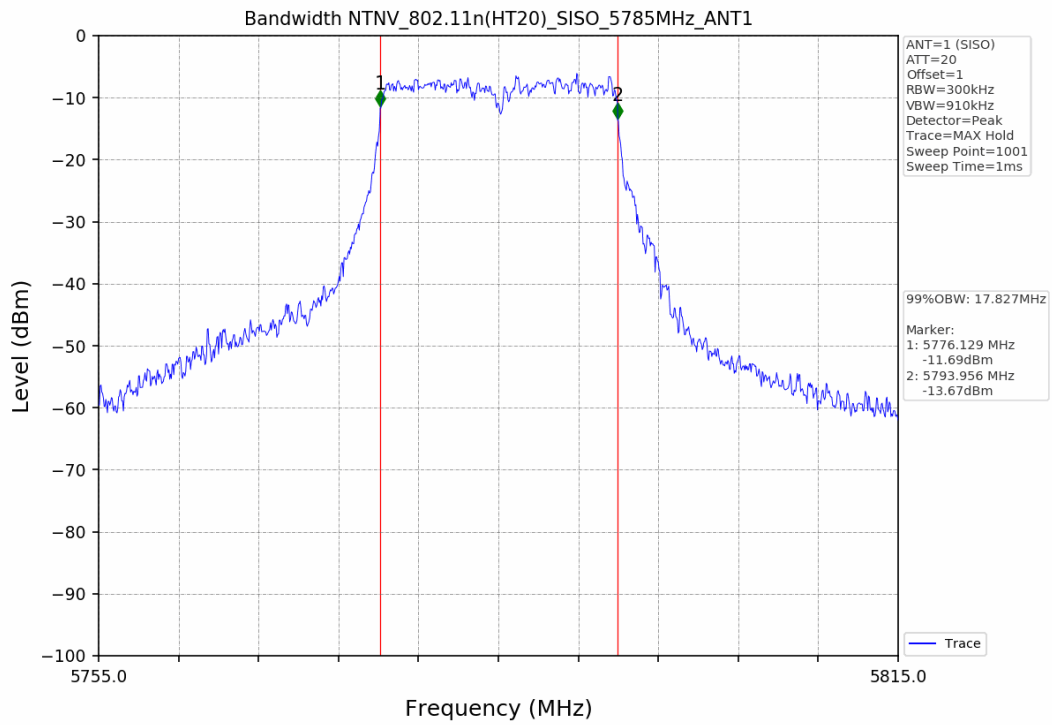
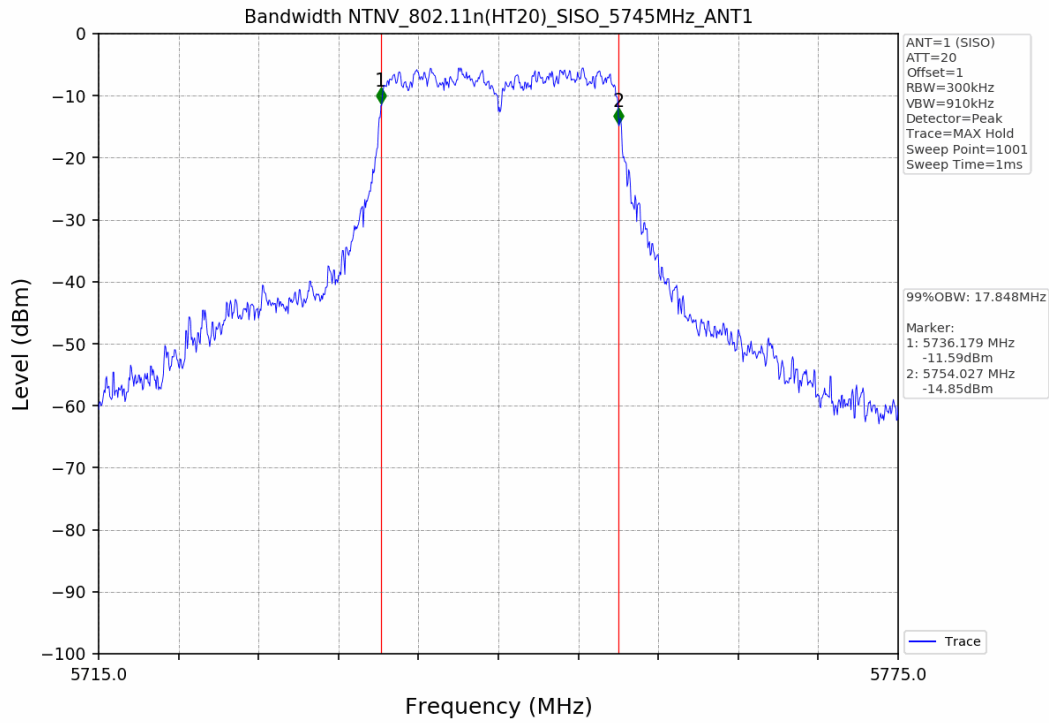


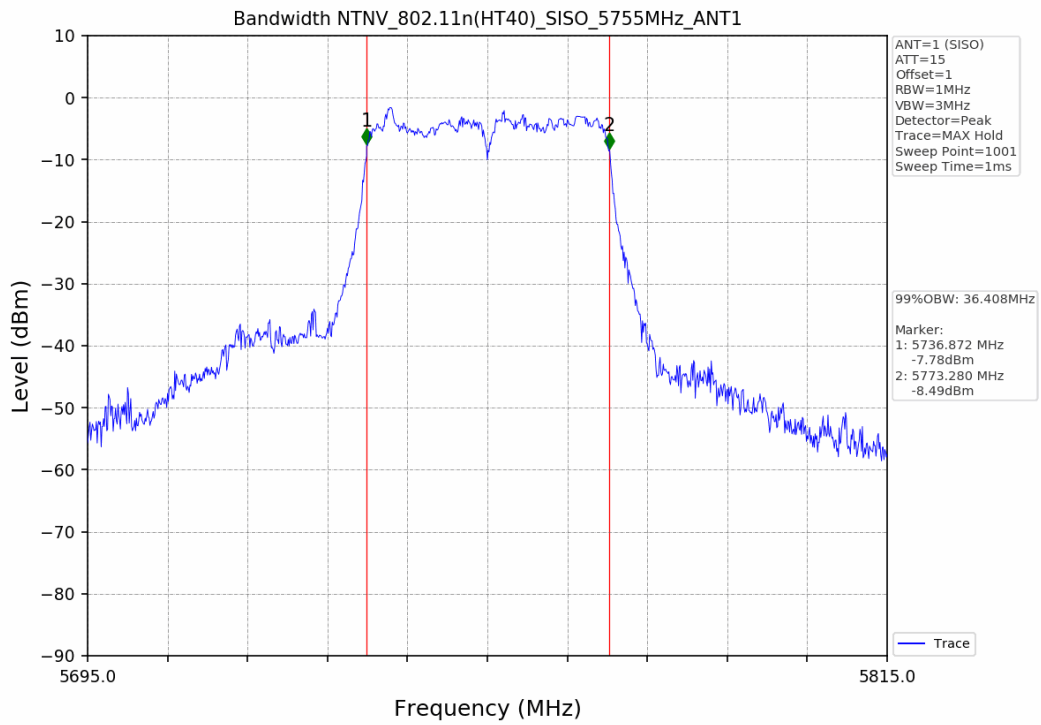
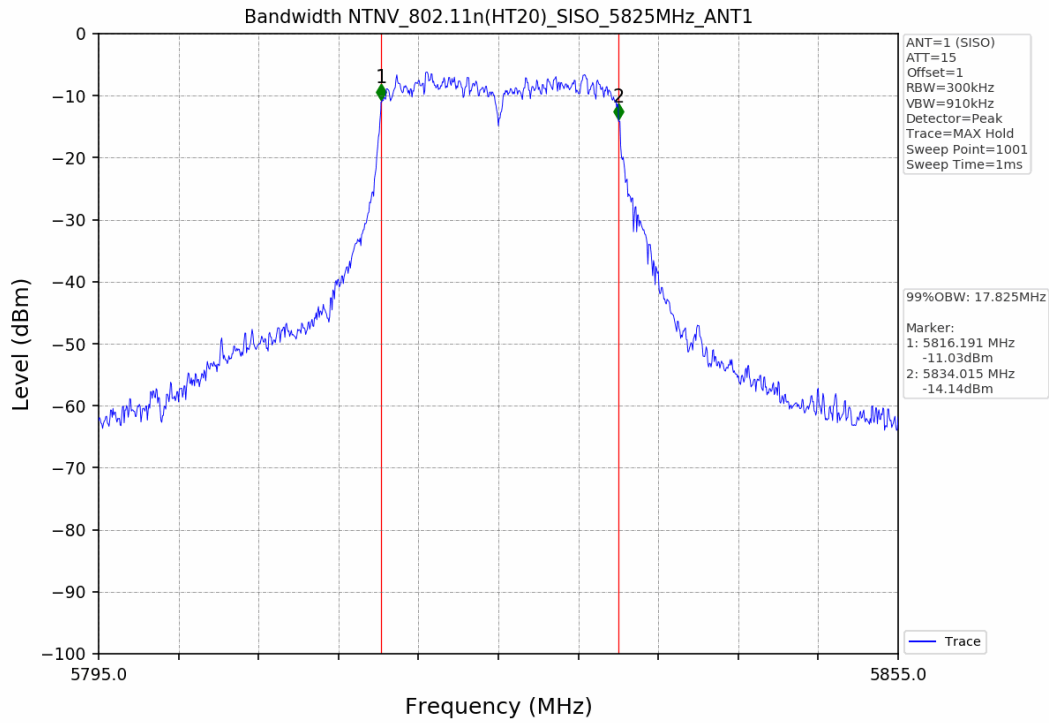


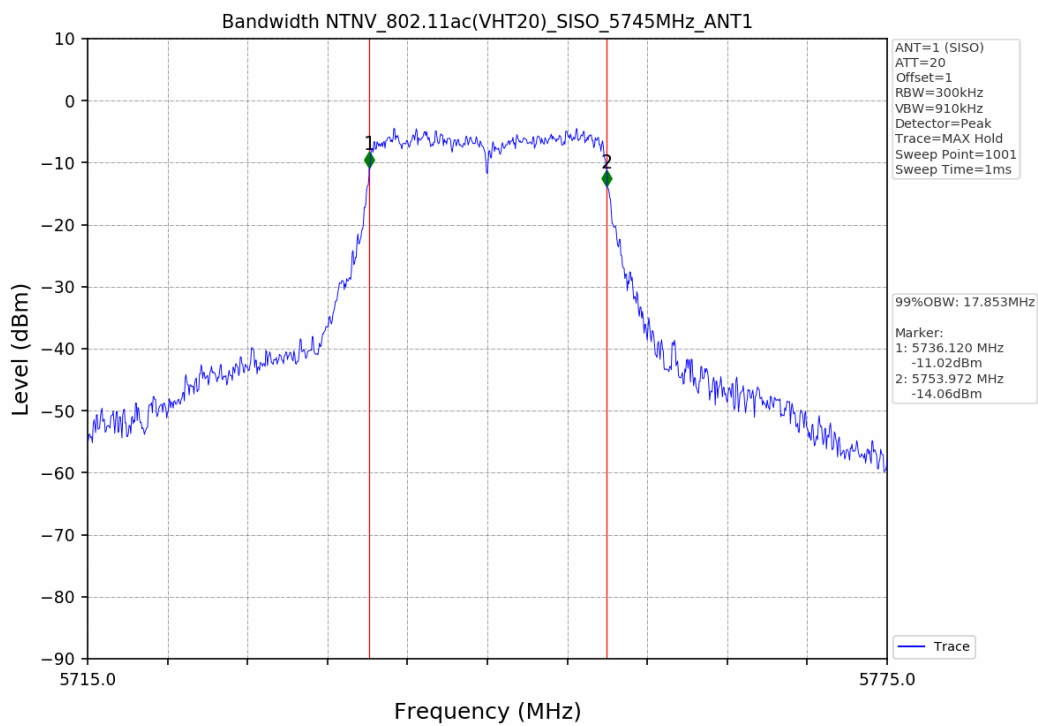
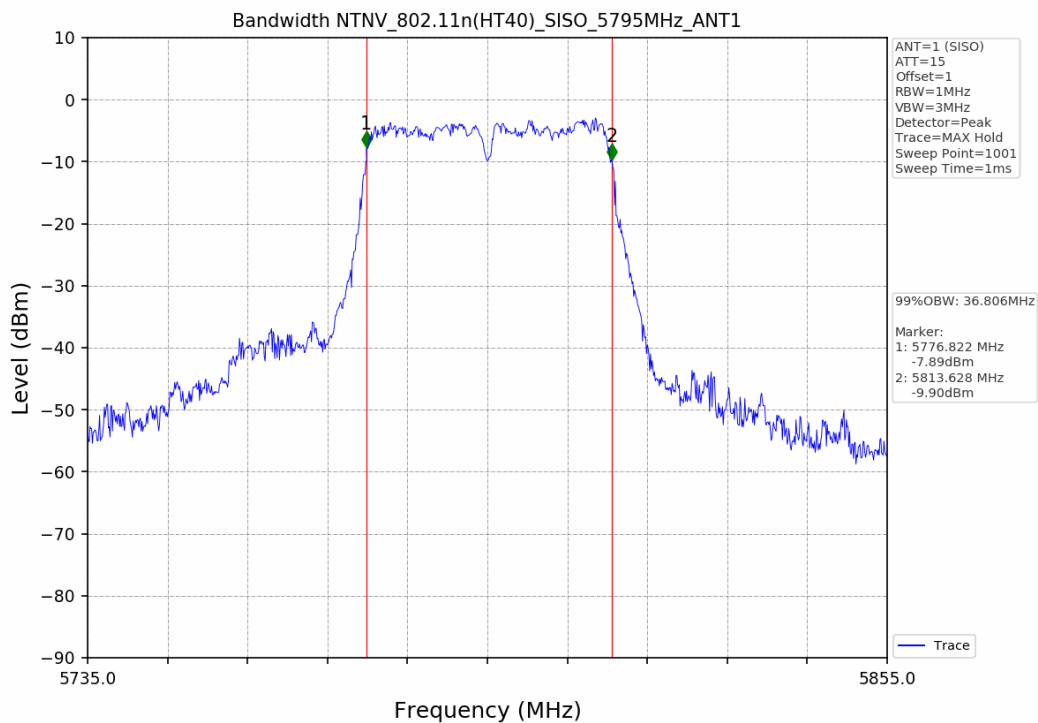
1.3 Test Graph - 99% Occupied Bandwidth

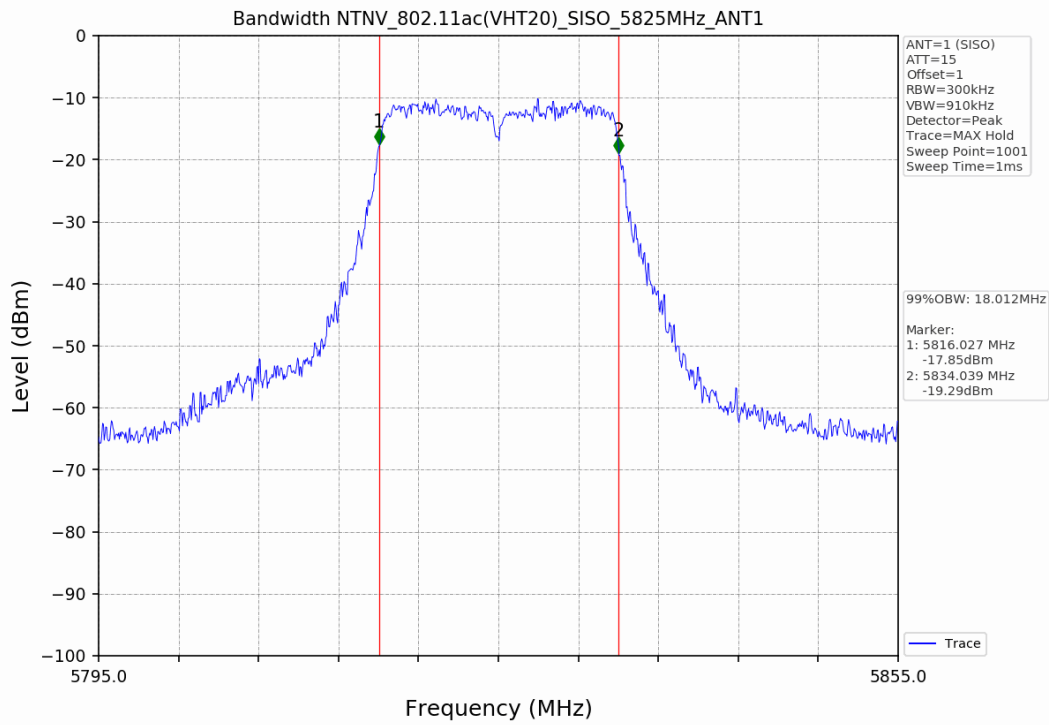
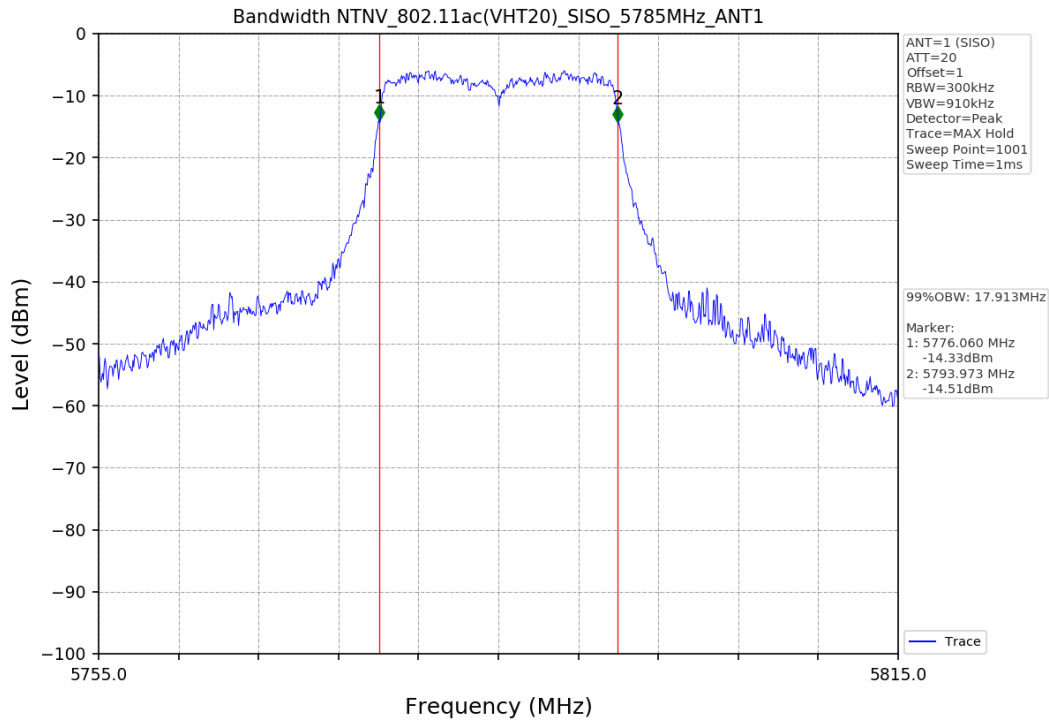


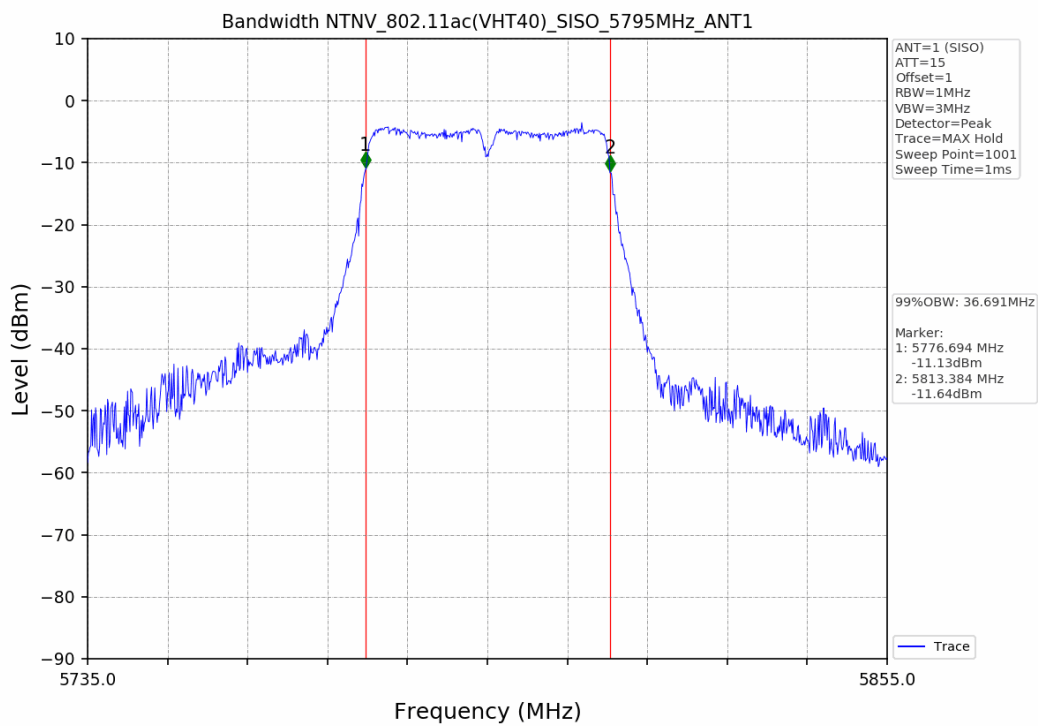
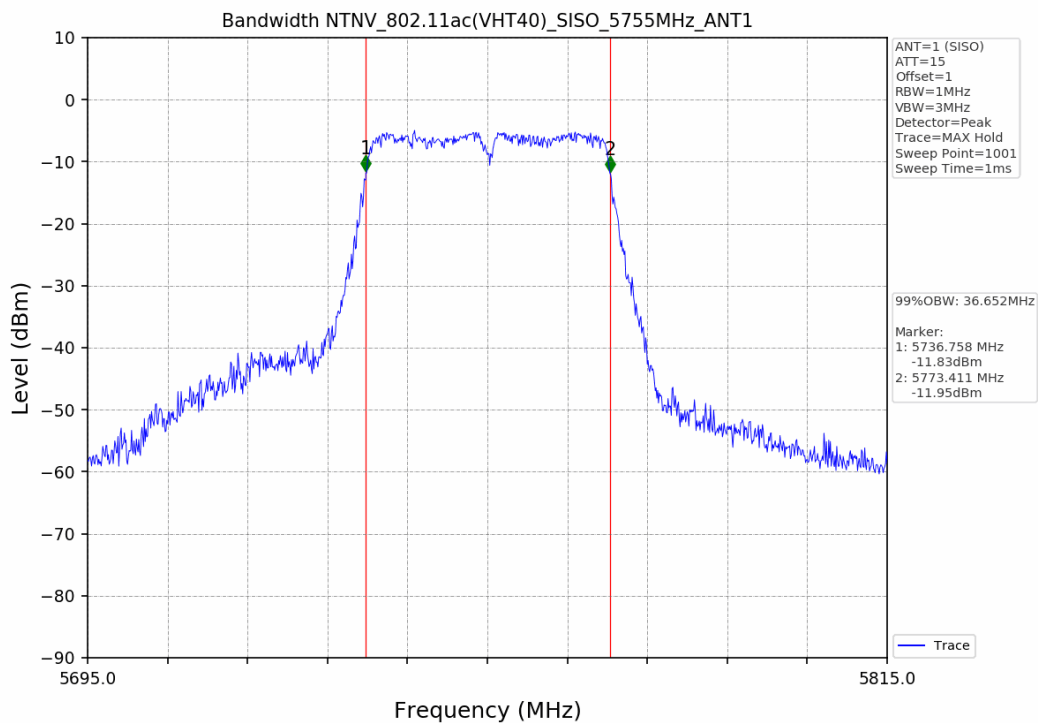


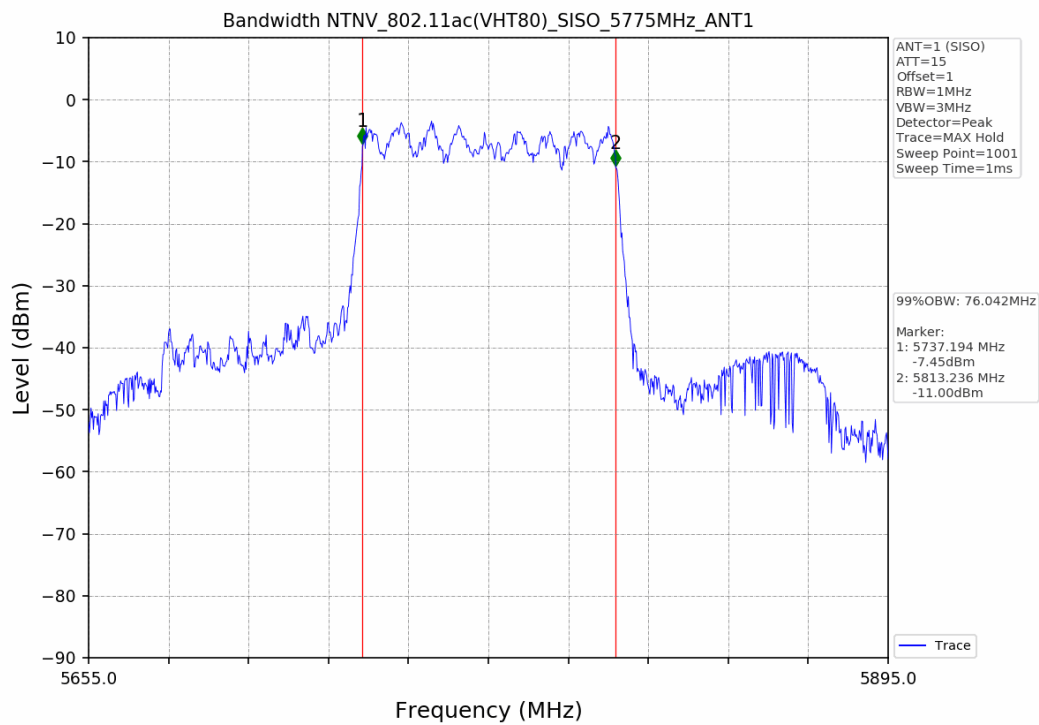










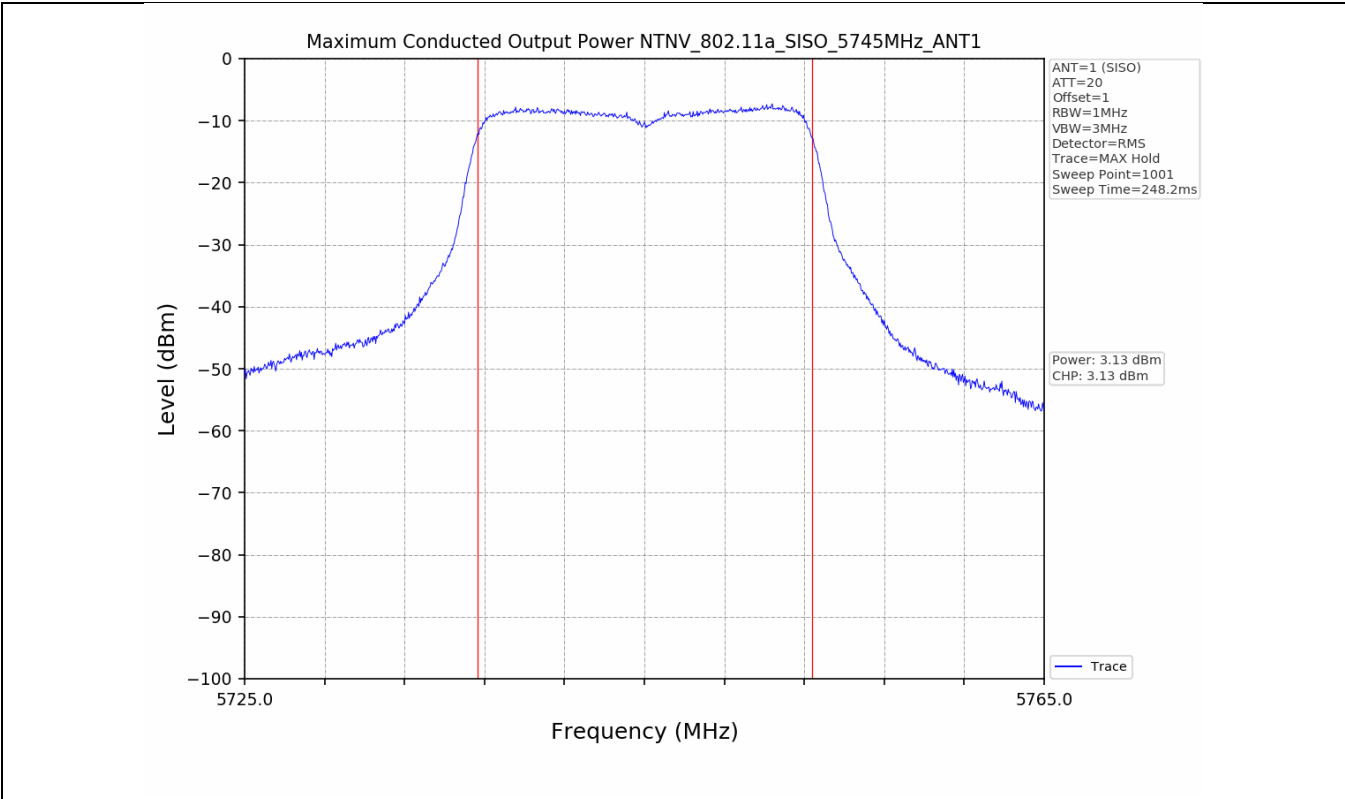


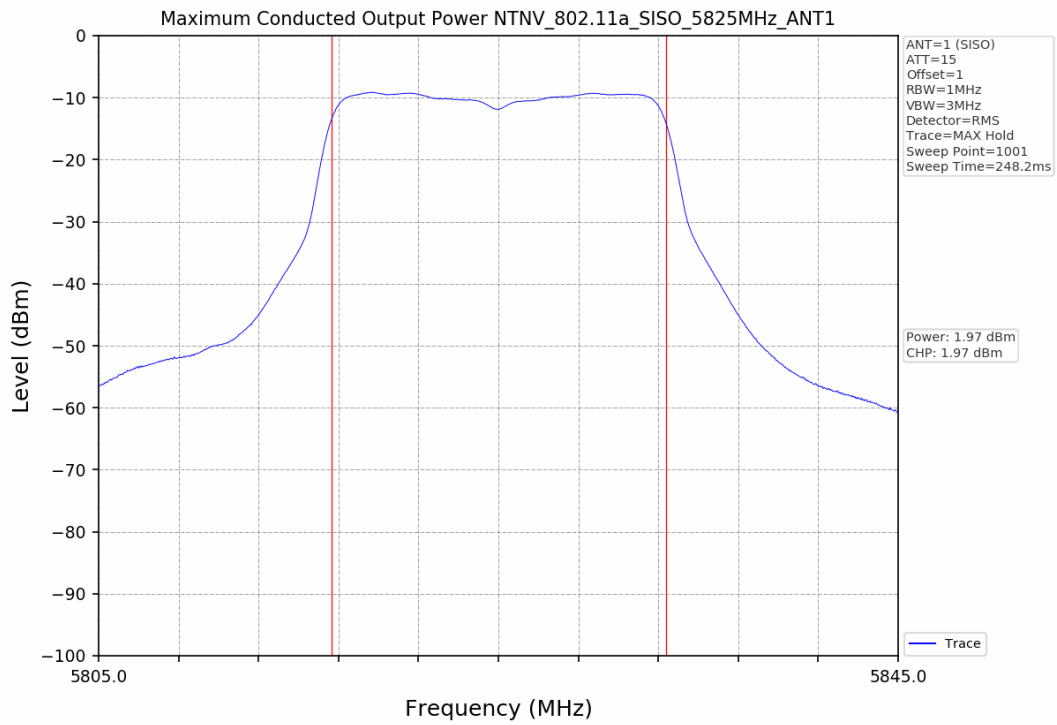
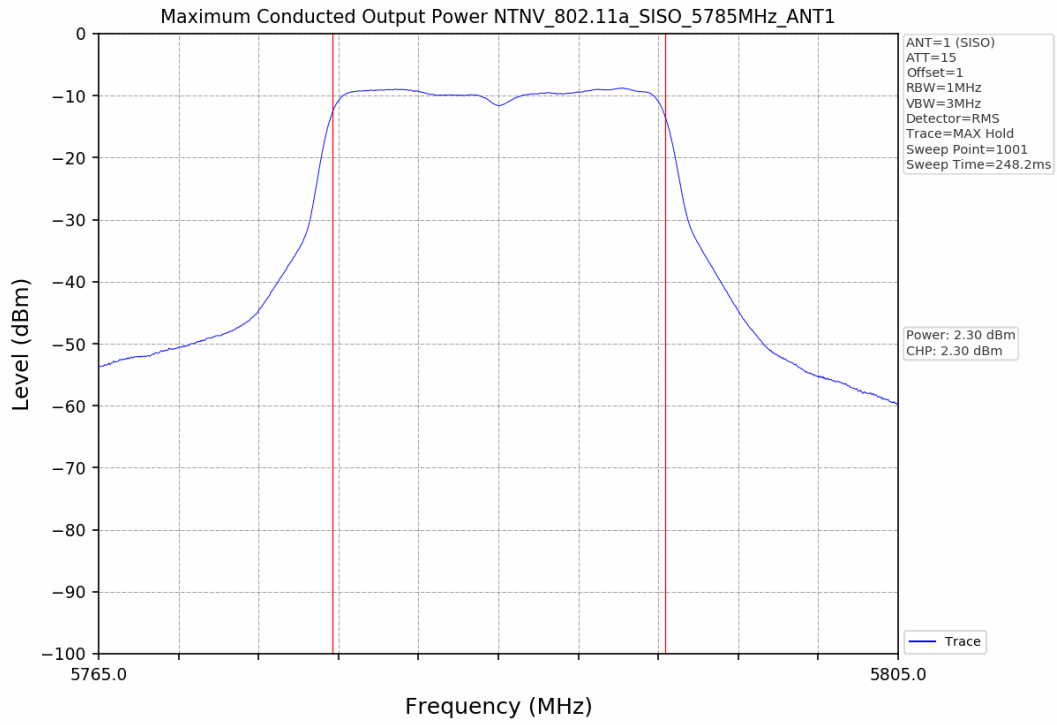
2. Maximum Conducted Output Power

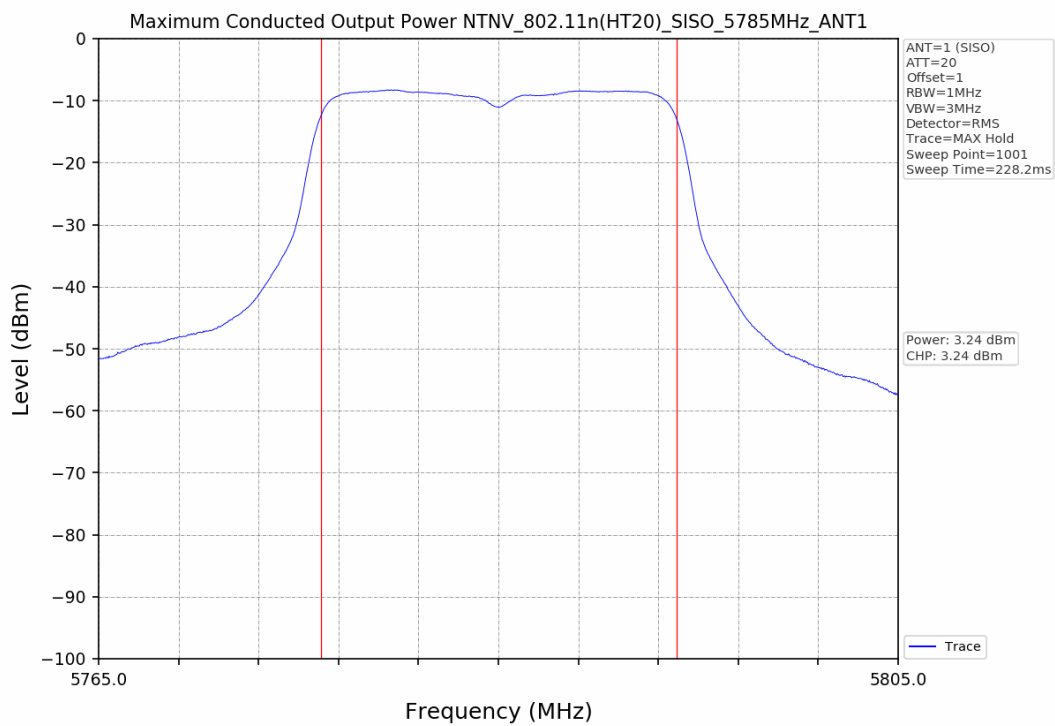
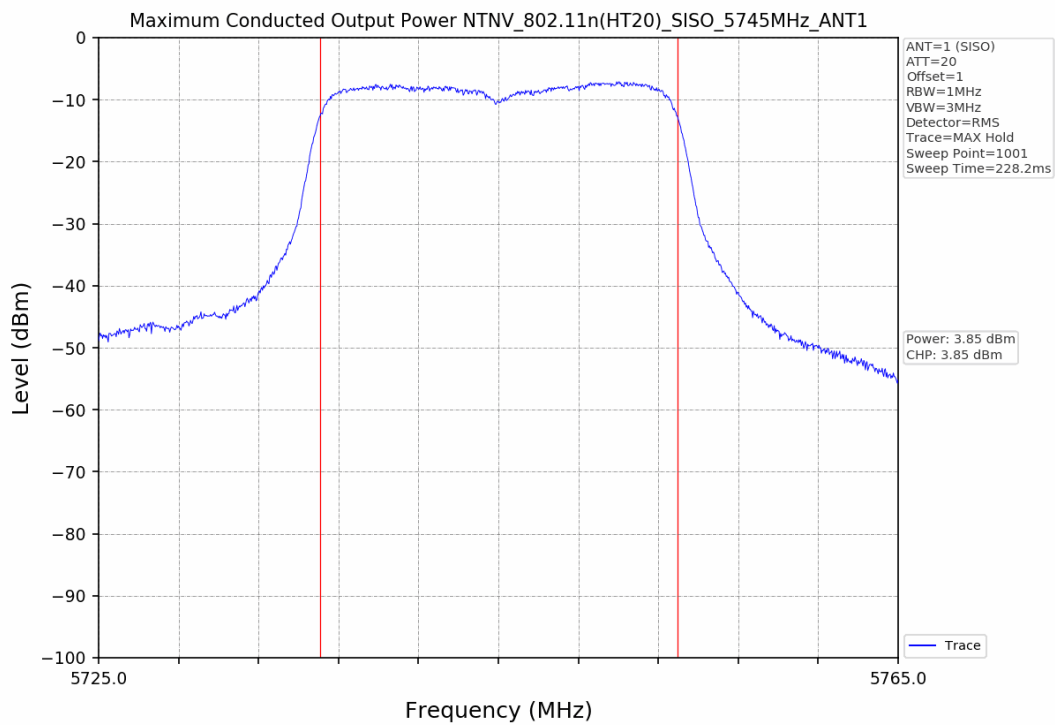
2.1 Test Result

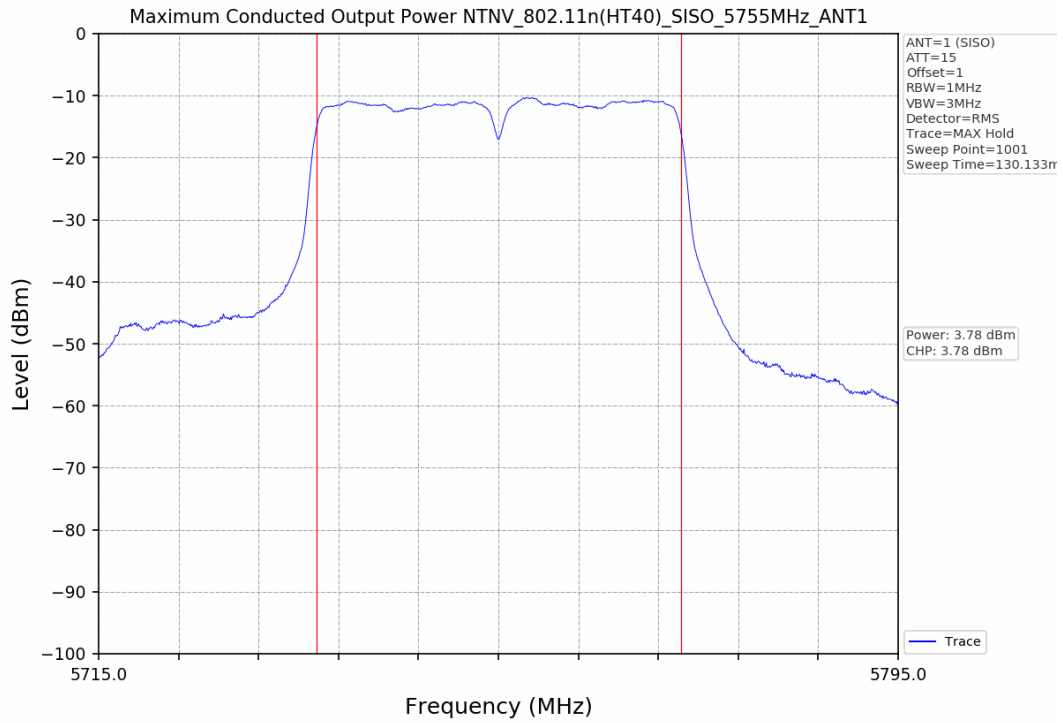
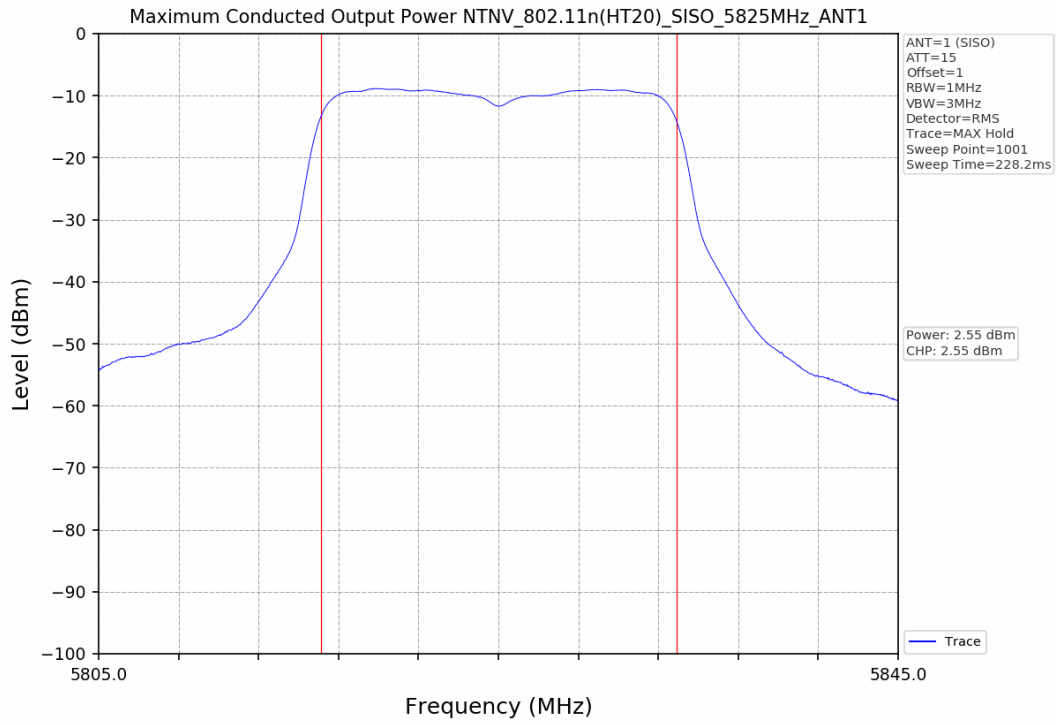
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5745	SISO	3.13	≤30.00	PASS
	5785	SISO	2.30	≤30.00	PASS
	5825	SISO	1.97	≤30.00	PASS
802.11n(HT20)	5745	SISO	3.85	≤30.00	PASS
	5785	SISO	3.24	≤30.00	PASS
	5825	SISO	2.55	≤30.00	PASS
802.11n(HT40)	5755	SISO	3.78	≤30.00	PASS
	5795	SISO	3.09	≤30.00	PASS
802.11ac(VHT20)	5745	SISO	4.18	≤30.00	PASS
	5785	SISO	3.67	≤30.00	PASS
	5825	SISO	-0.97	≤30.00	PASS
802.11ac(VHT40)	5755	SISO	1.55	≤30.00	PASS
	5795	SISO	2.73	≤30.00	PASS
802.11ac(VHT80)	5775	SISO	4.19	≤30.00	PASS

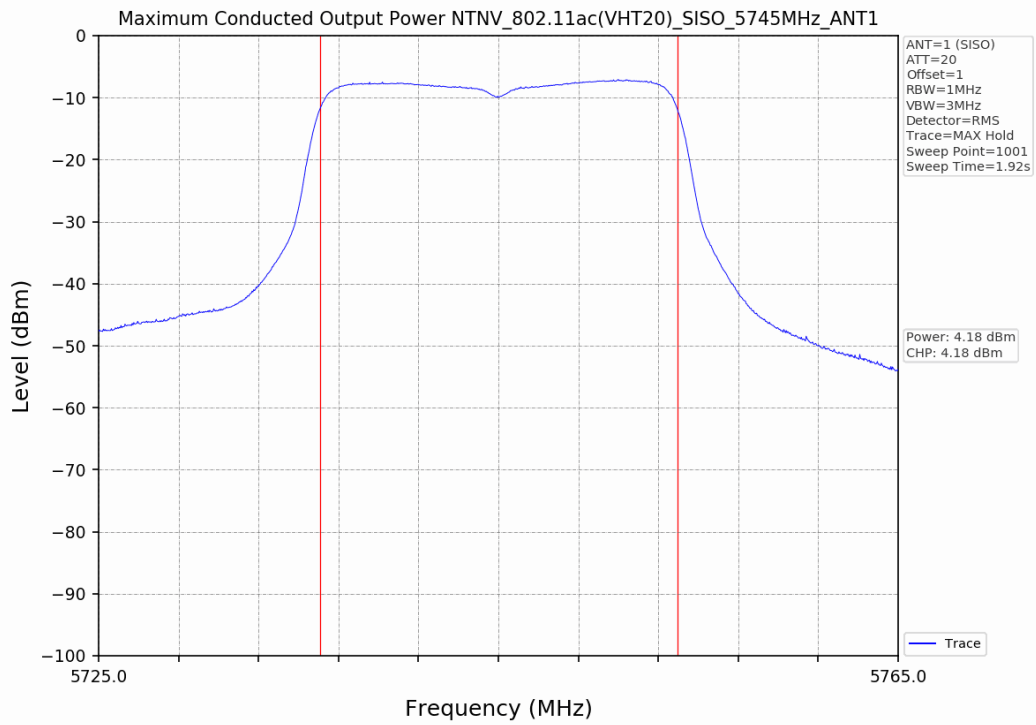
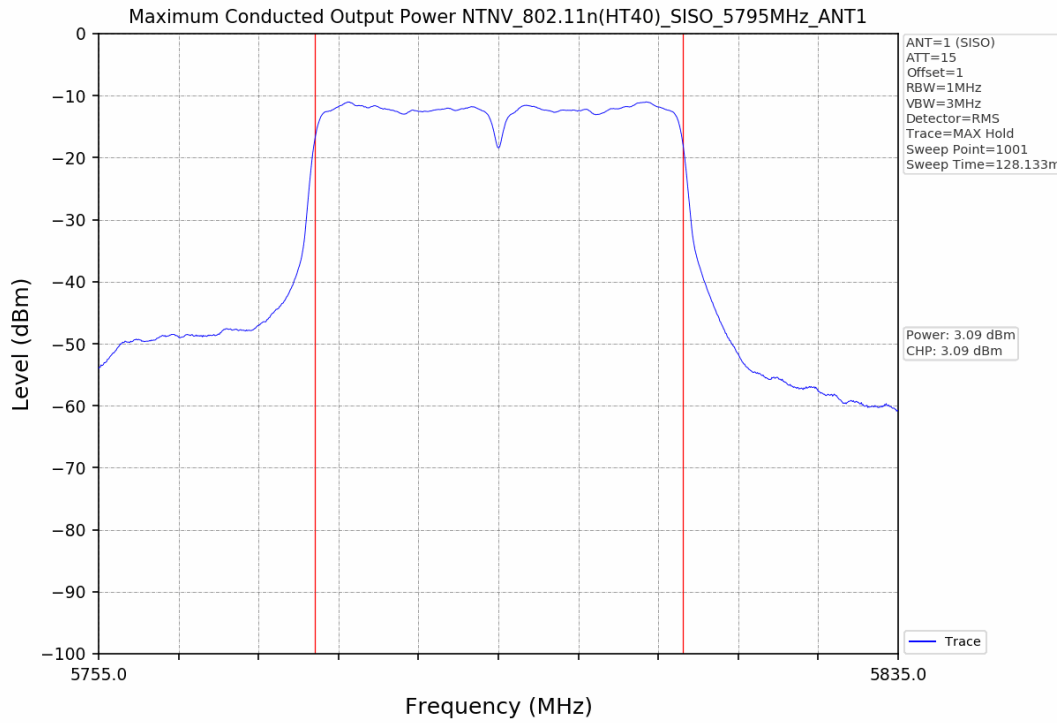
2.2 Test Graph

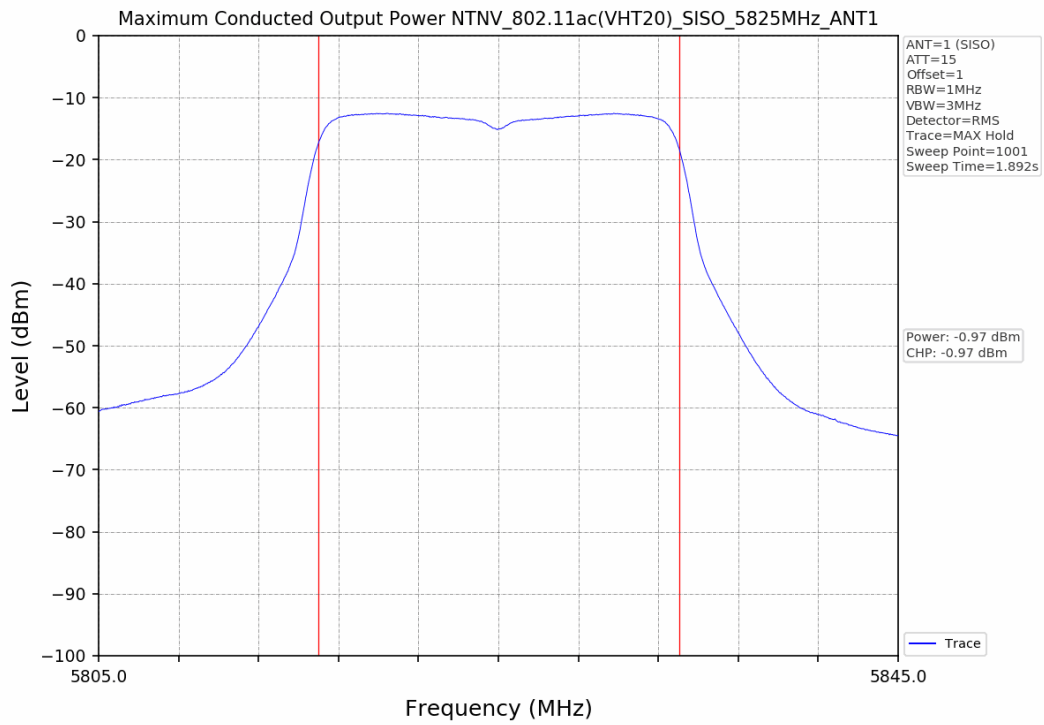
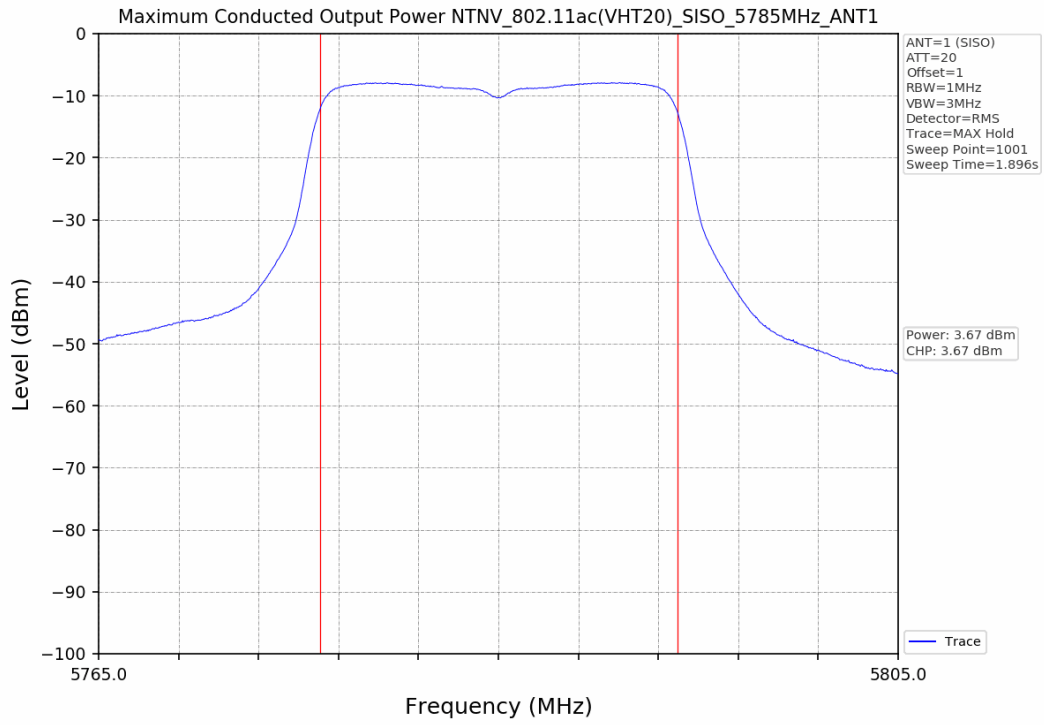


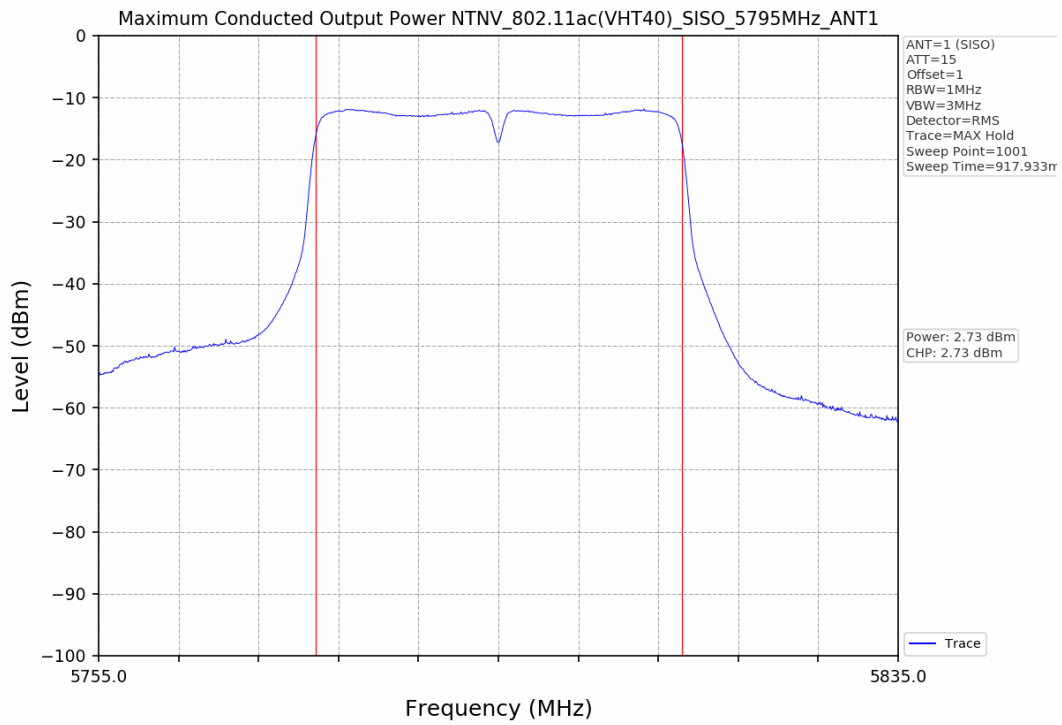
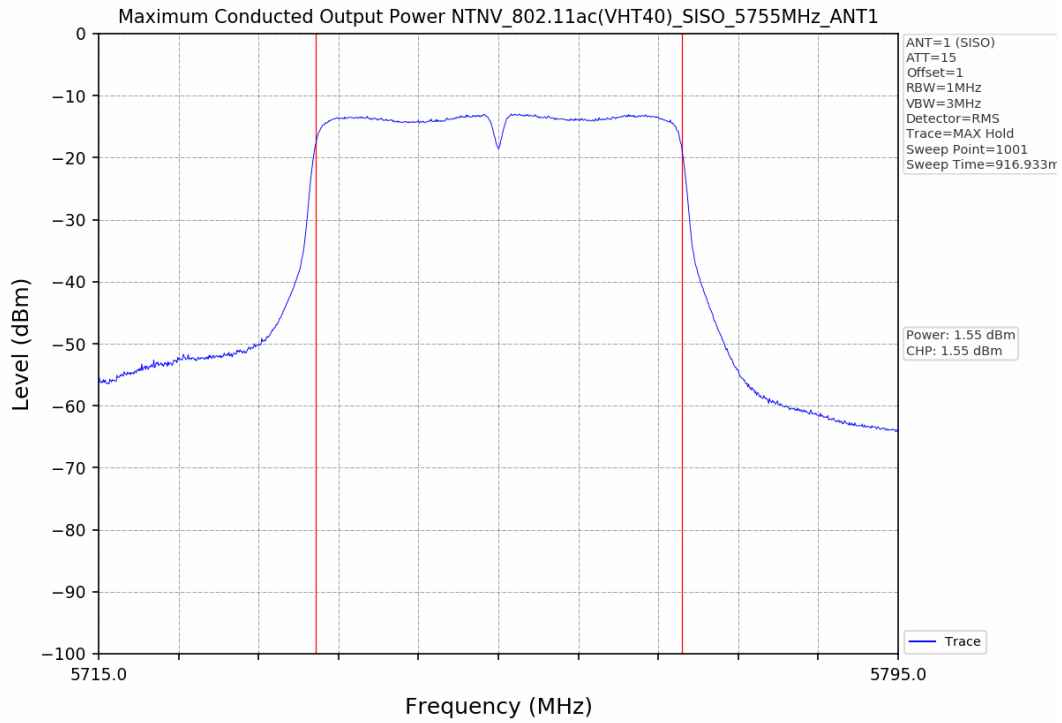


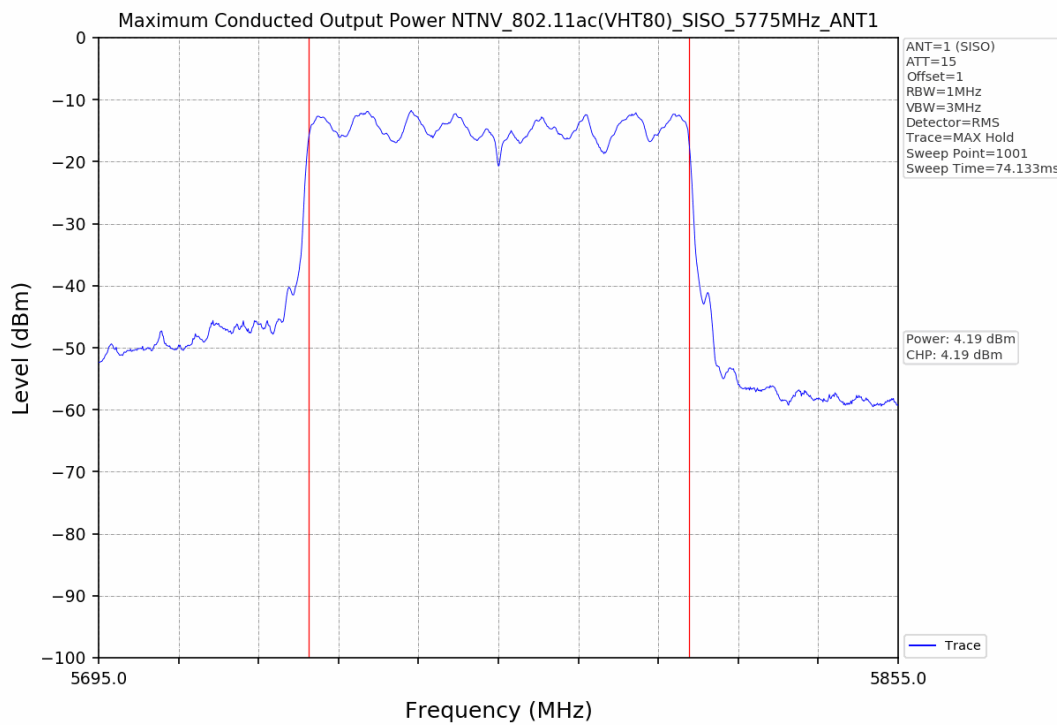












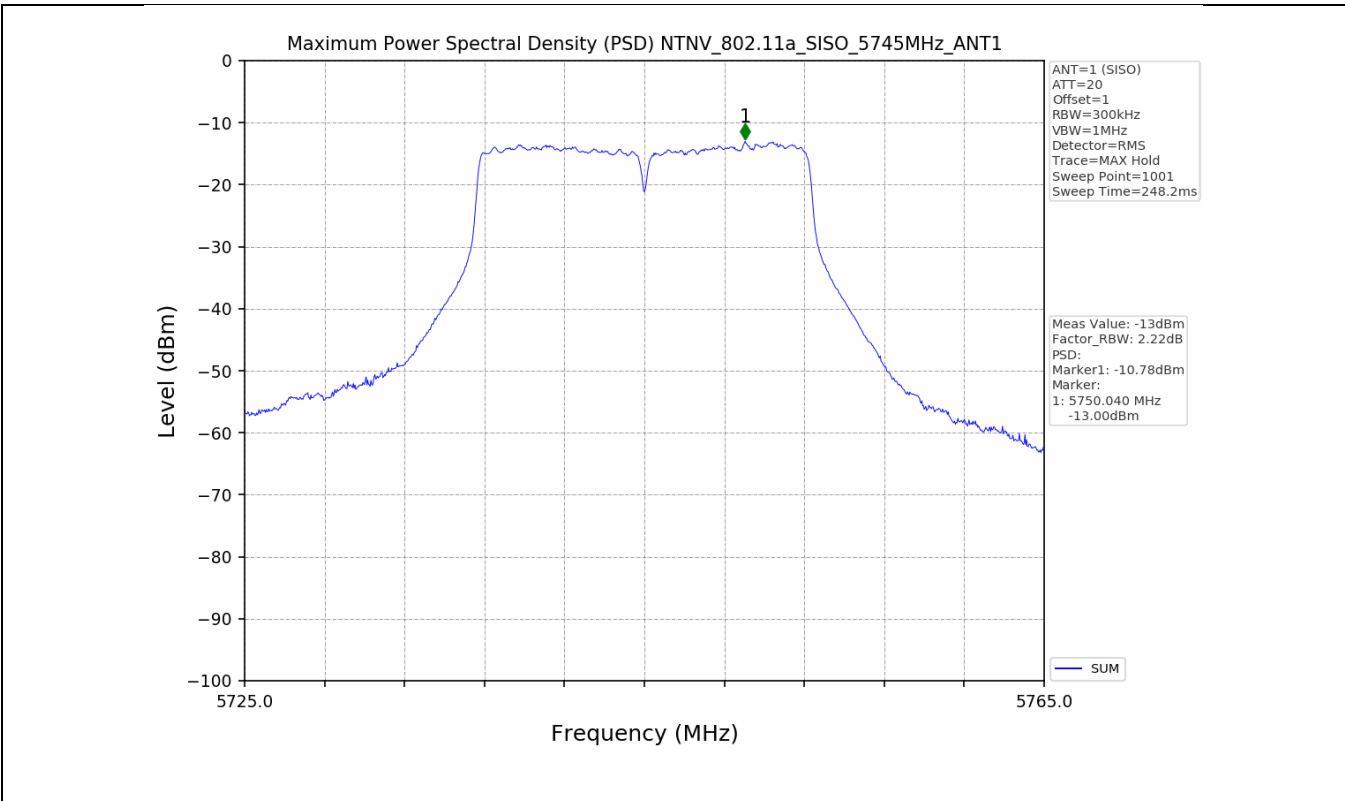
3. Maximum Power Spectral Density (PSD)

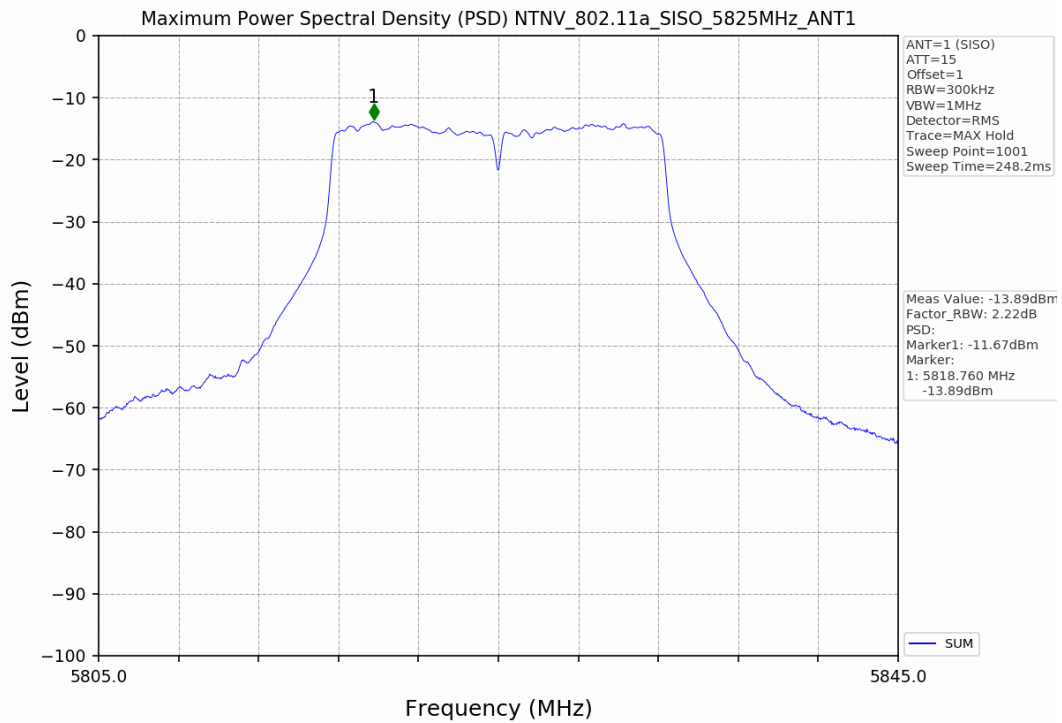
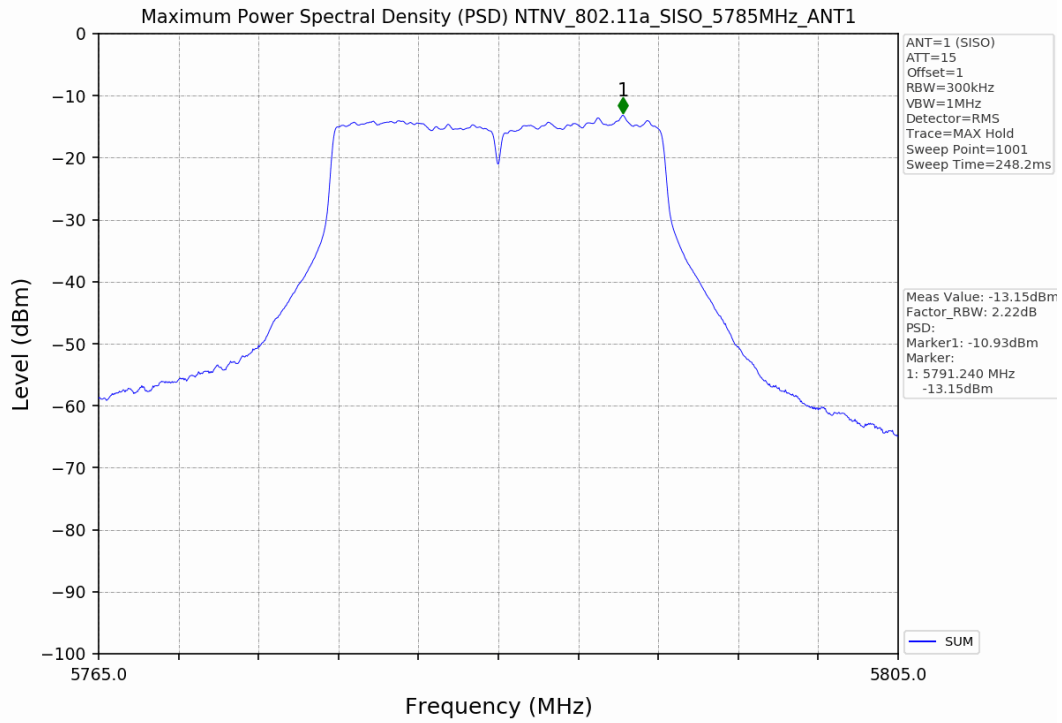
3.1 Test Result

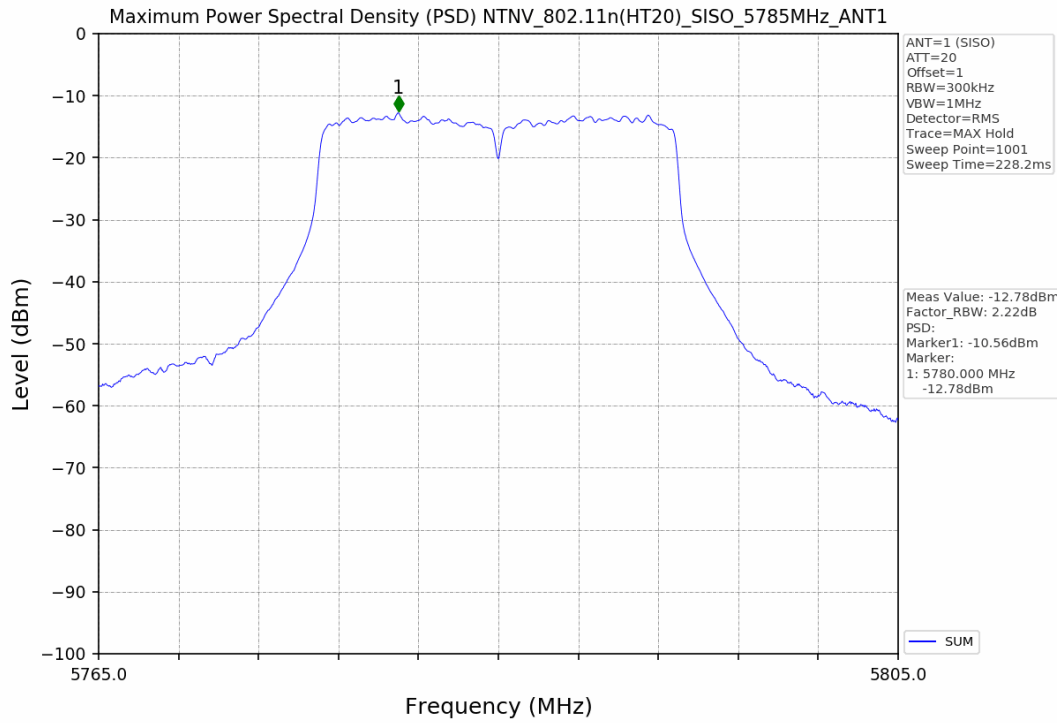
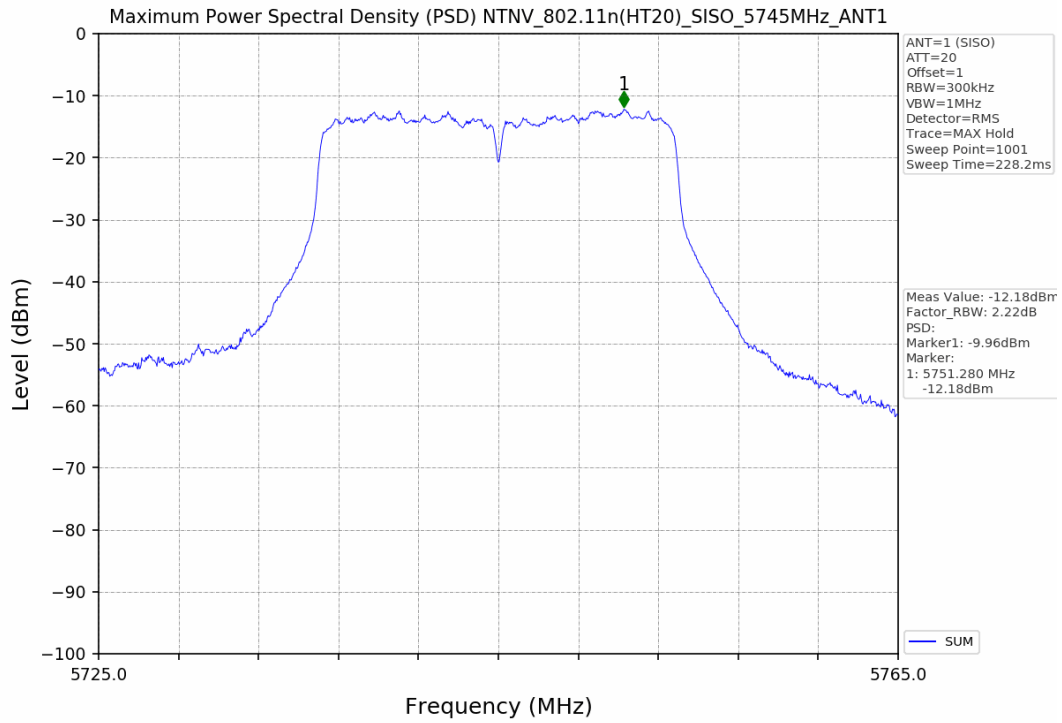
Test Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)	Verdict
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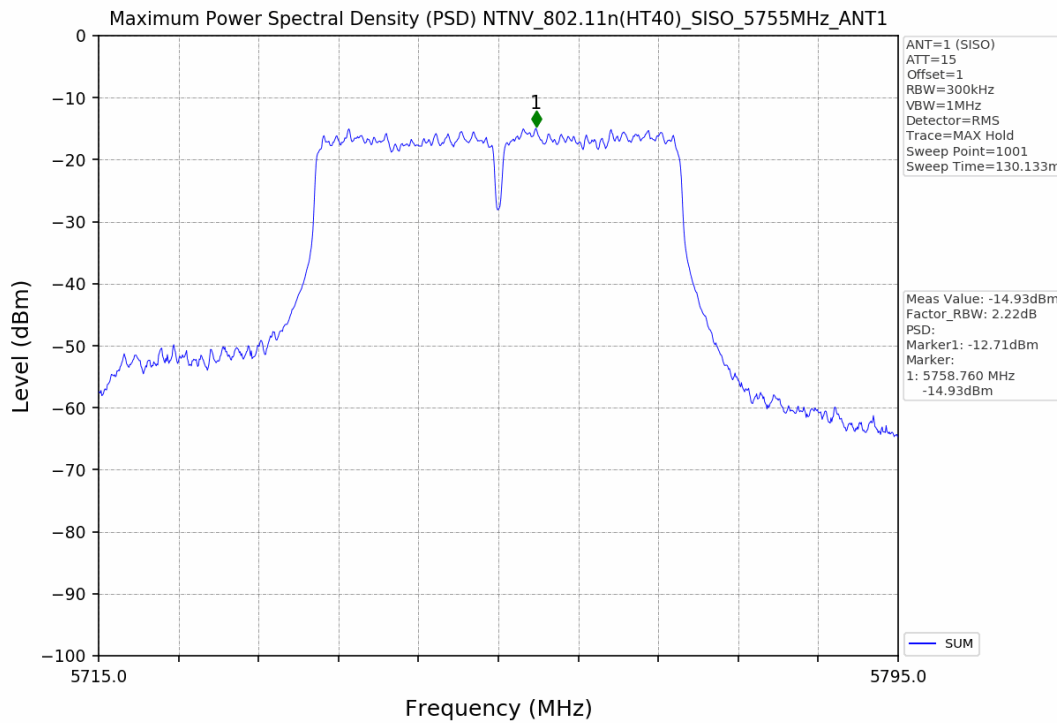
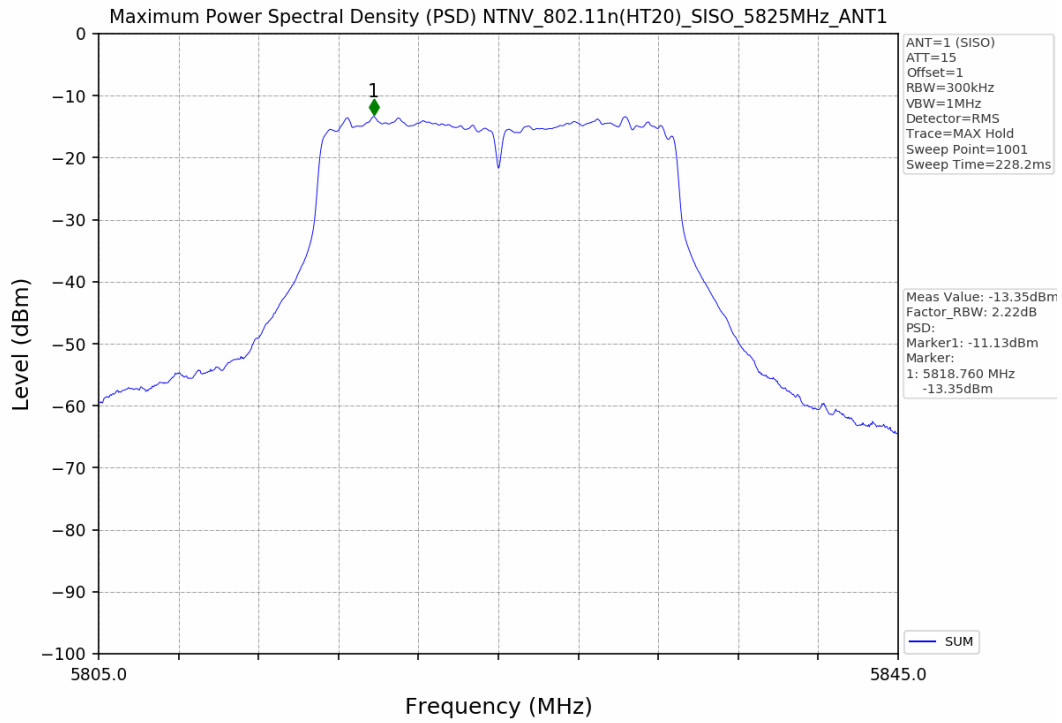
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/300kHz)	Limits (dBm/500kHz)	Verdict
			Ant 1		
802.11a	5745	SISO	-10.78	≤30	PASS
	5785	SISO	-10.93	≤30	PASS
	5825	SISO	-11.67	≤30	PASS
802.11n(HT20)	5745	SISO	-9.96	≤30	PASS
	5785	SISO	-10.56	≤30	PASS
	5825	SISO	-11.13	≤30	PASS
802.11n(HT40)	5755	SISO	-12.71	≤30	PASS
	5795	SISO	-12.73	≤30	PASS
802.11ac(VHT20)	5745	SISO	-9.92	≤30	PASS
	5785	SISO	-13.93	≤30	PASS
	5825	SISO	-15.62	≤30	PASS
802.11ac(VHT40)	5755	SISO	-15.62	≤30	PASS
	5795	SISO	-14.59	≤30	PASS
802.11ac(VHT80)	5775	SISO	-13.18	≤30	PASS

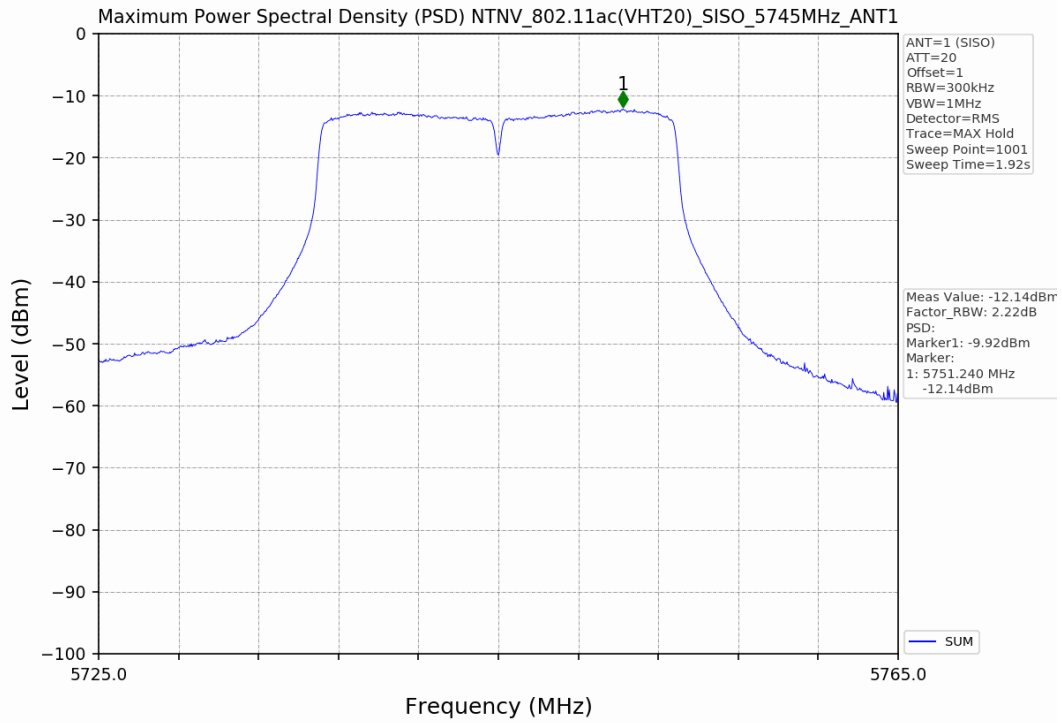
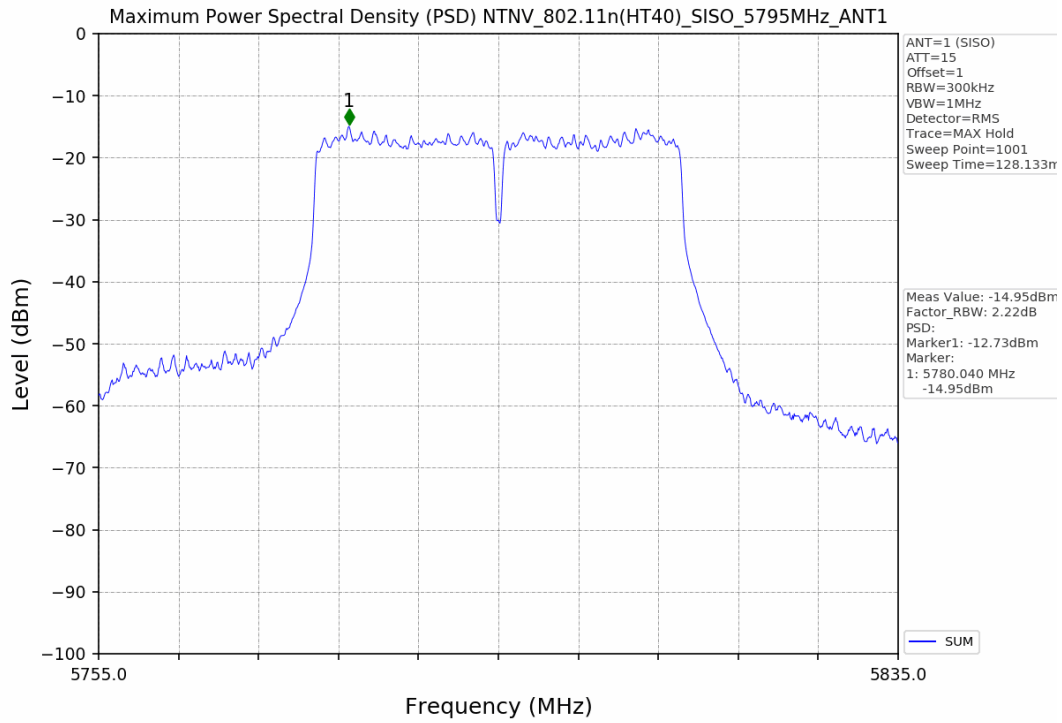
3.2 Test Graph

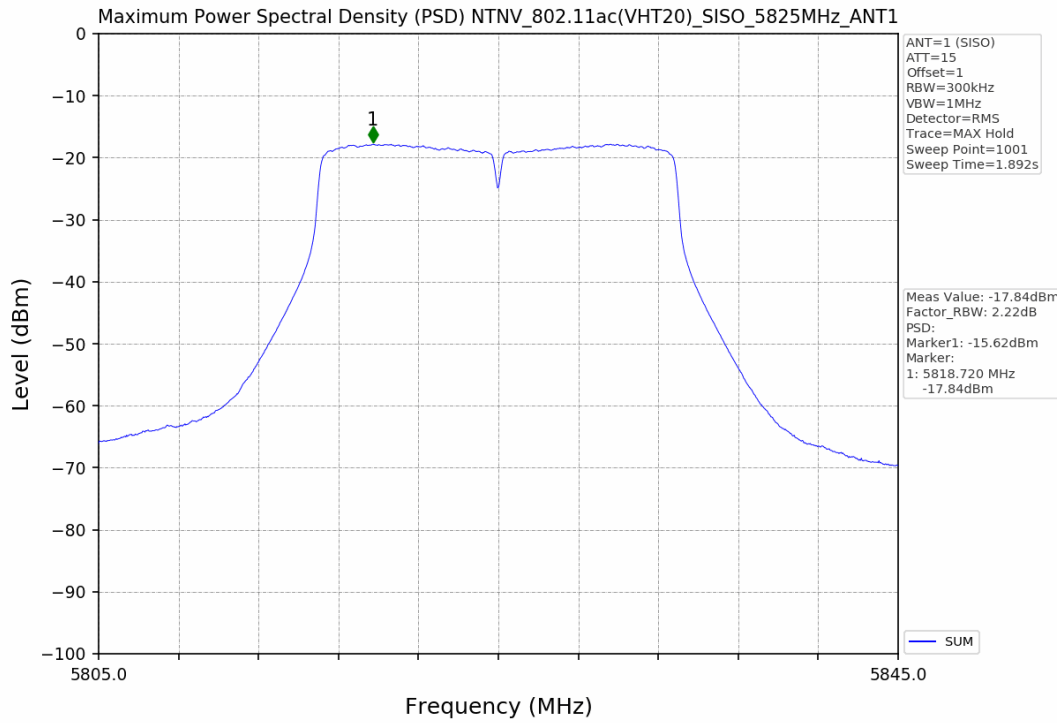
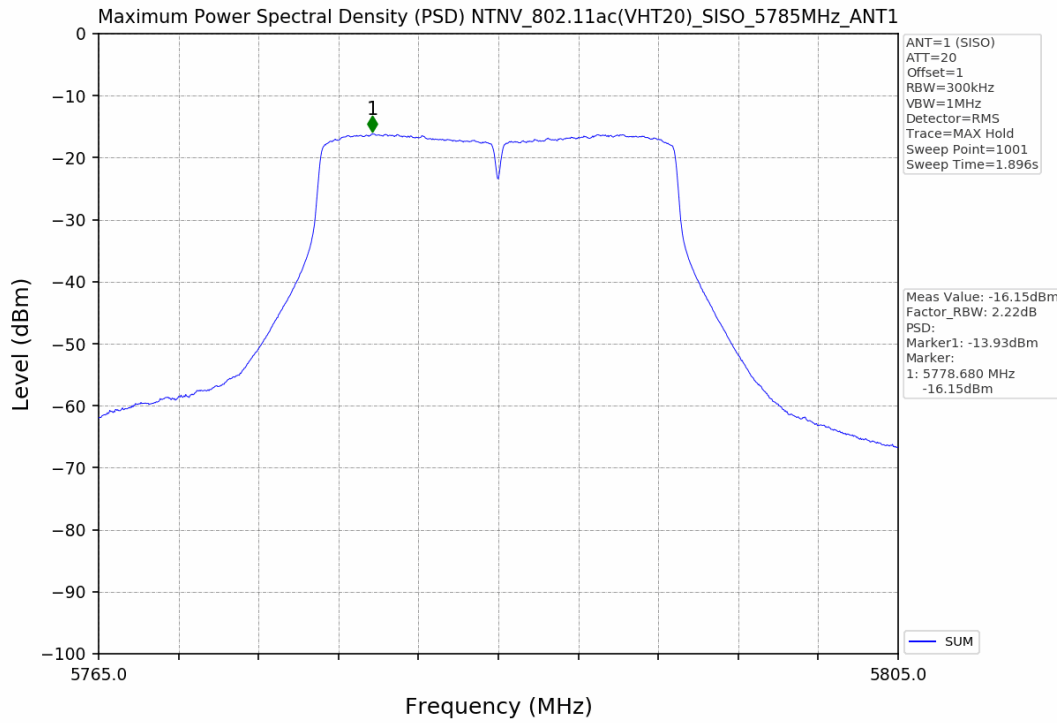


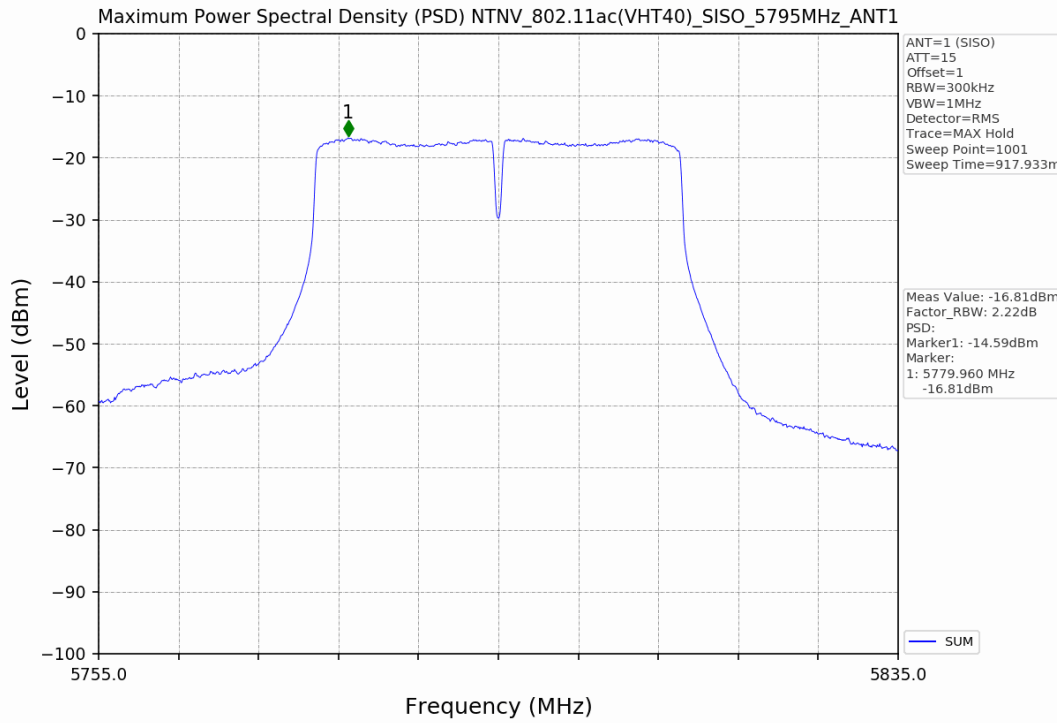
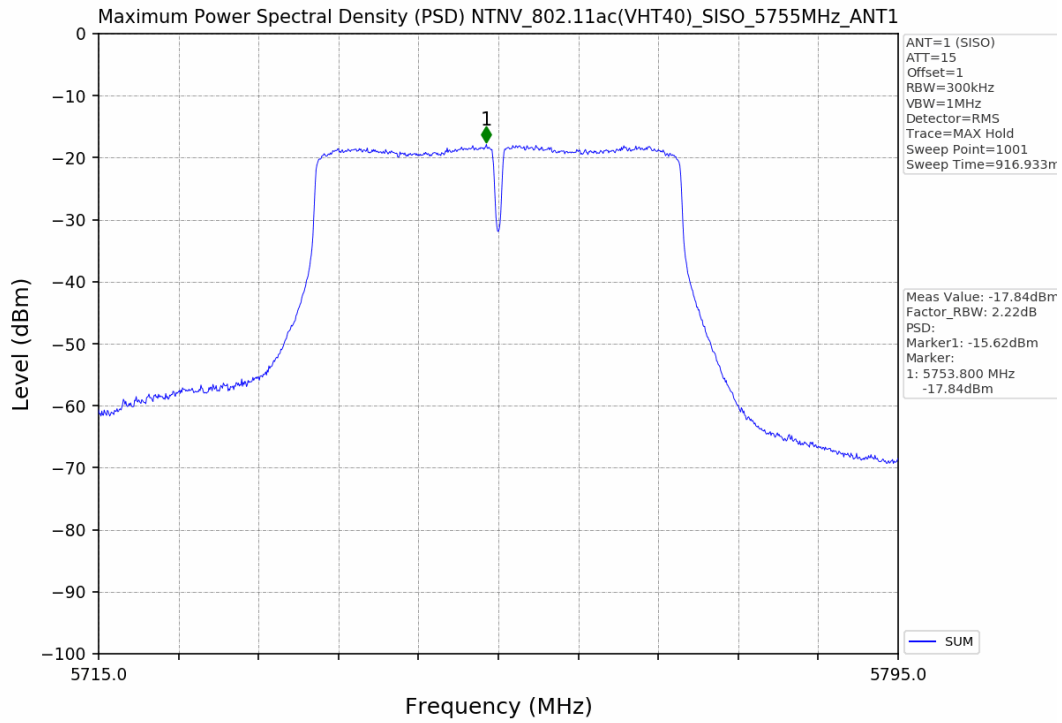


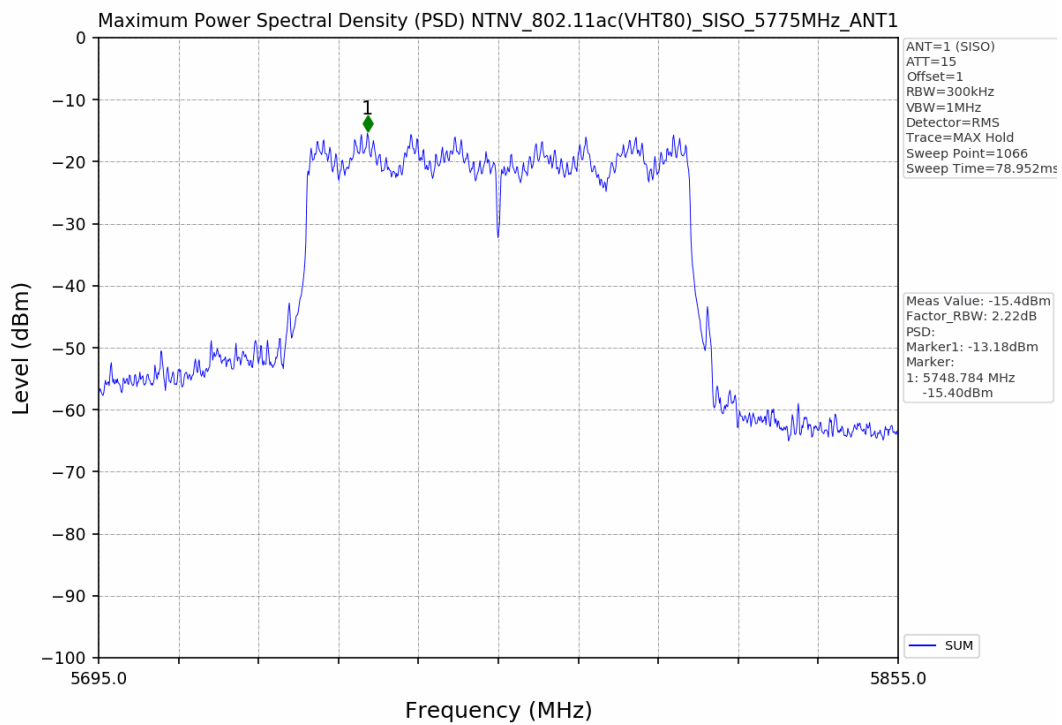












4. Frequency Stability

4.1 Test Result

Reference Frequency: 802.11a channel=149 frequency=5745MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
12.0	-30	69.8	13.47	Within the band of operation	Pass
	-20	61.0	11.78		
	-10	76.6	14.79		
	0	83.2	16.06		
	10	72.3	13.96		
	20	71.1	13.73		
	30	81.6	15.75		
	40	99.5	19.21		
	50	65.6	12.66		
13.2	25	68.0	13.13	Within the band of operation	Pass
10.8	25	93.7	18.09		