

Appendix for 15.407

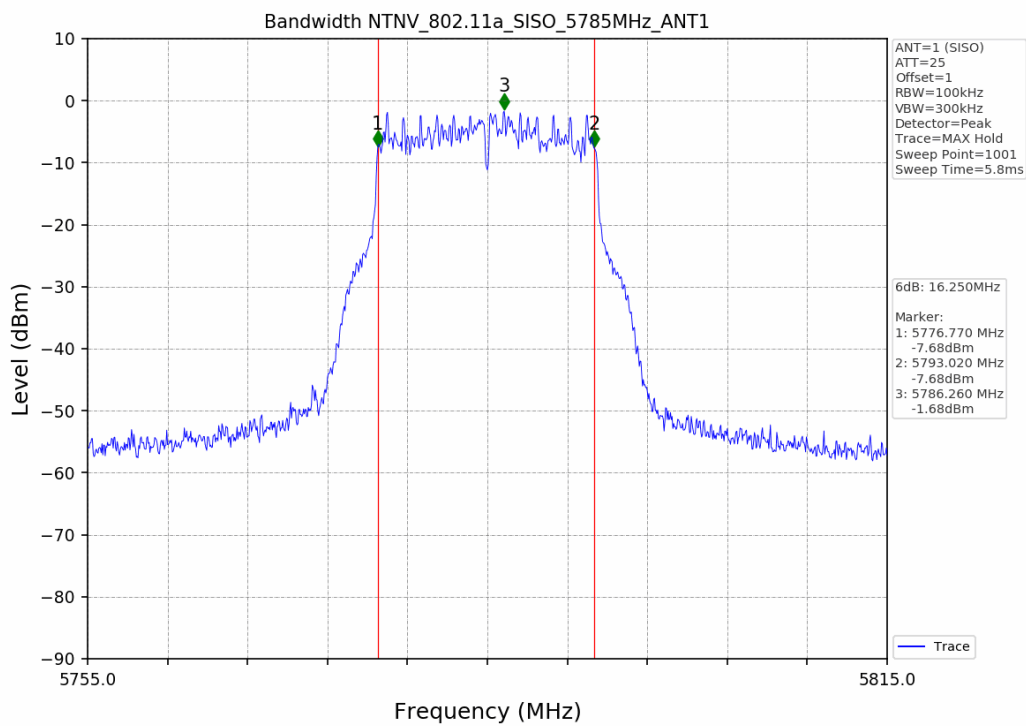
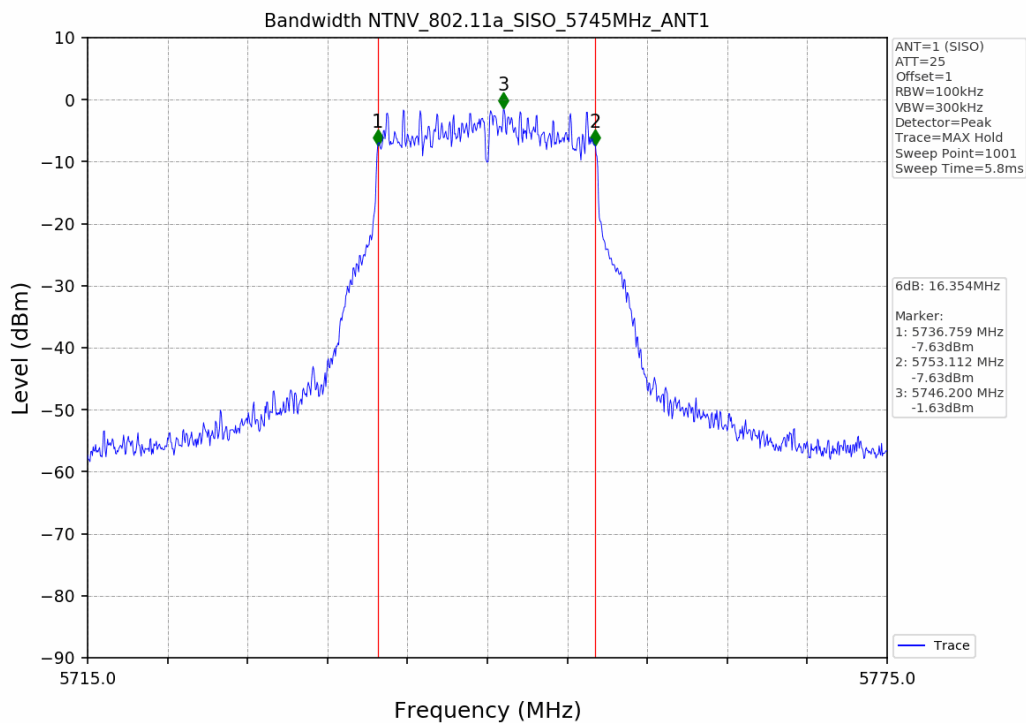
1. Bandwidth

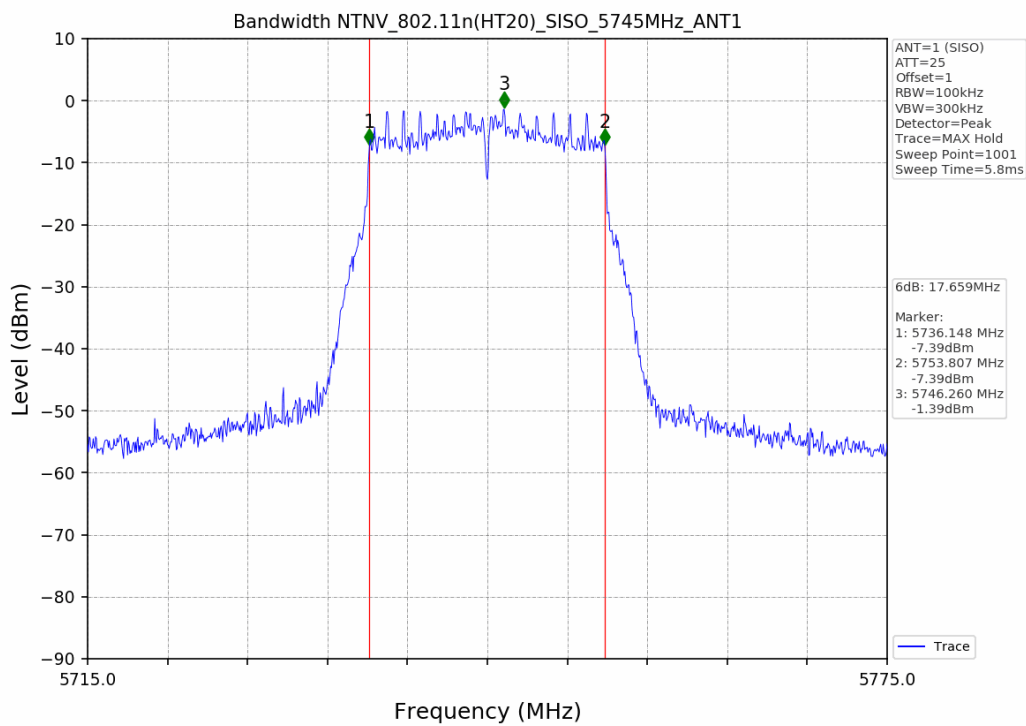
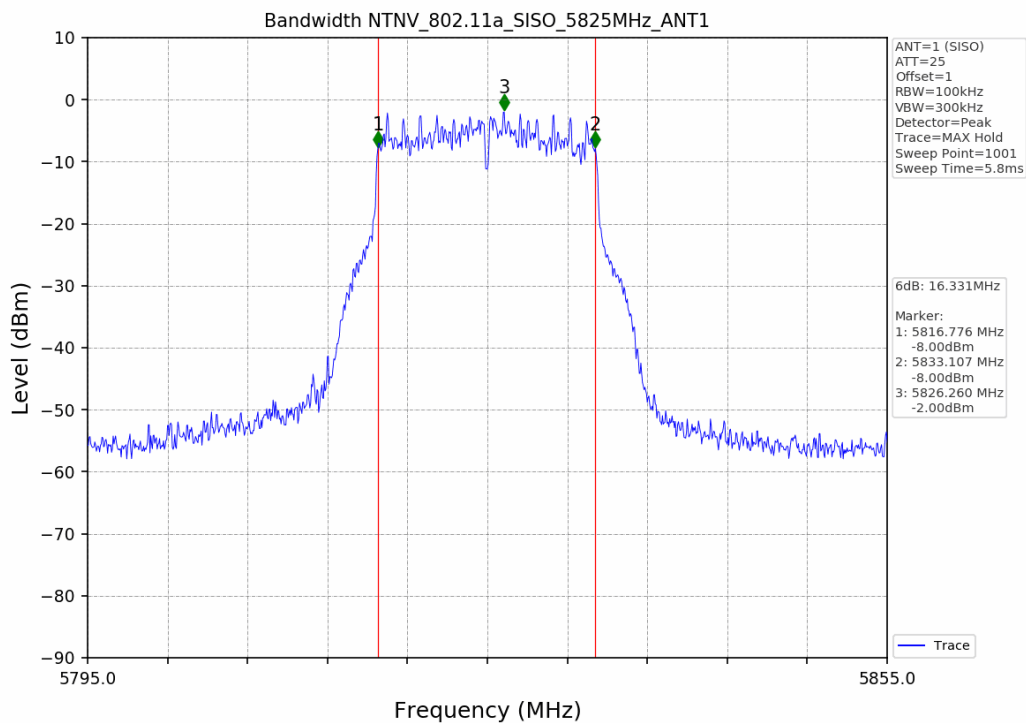
1.1 Test Result

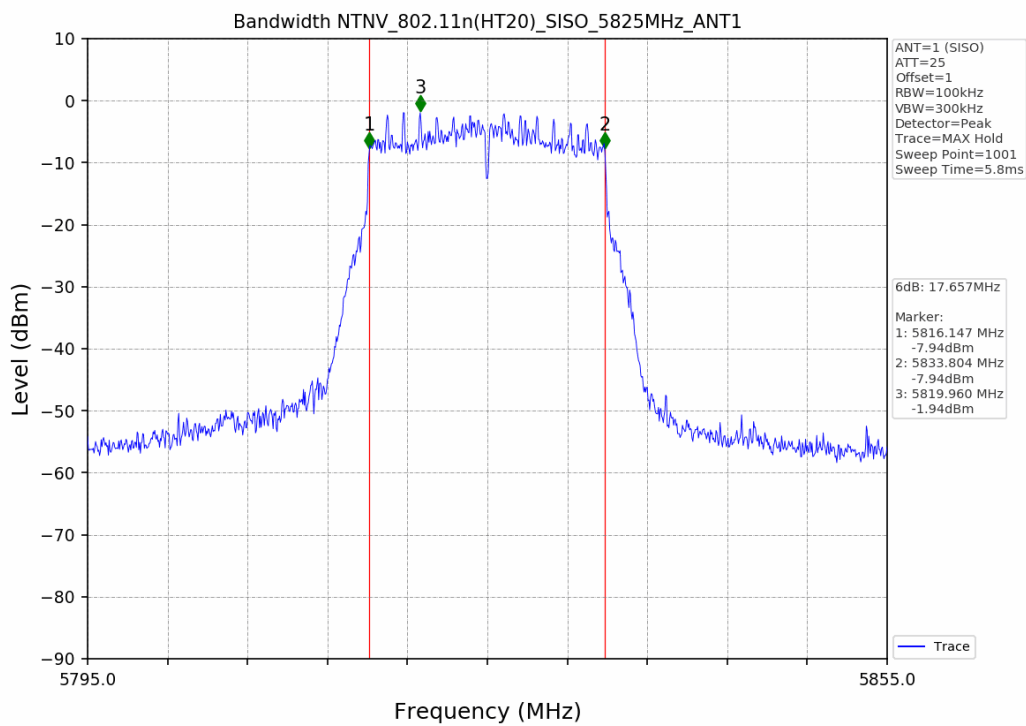
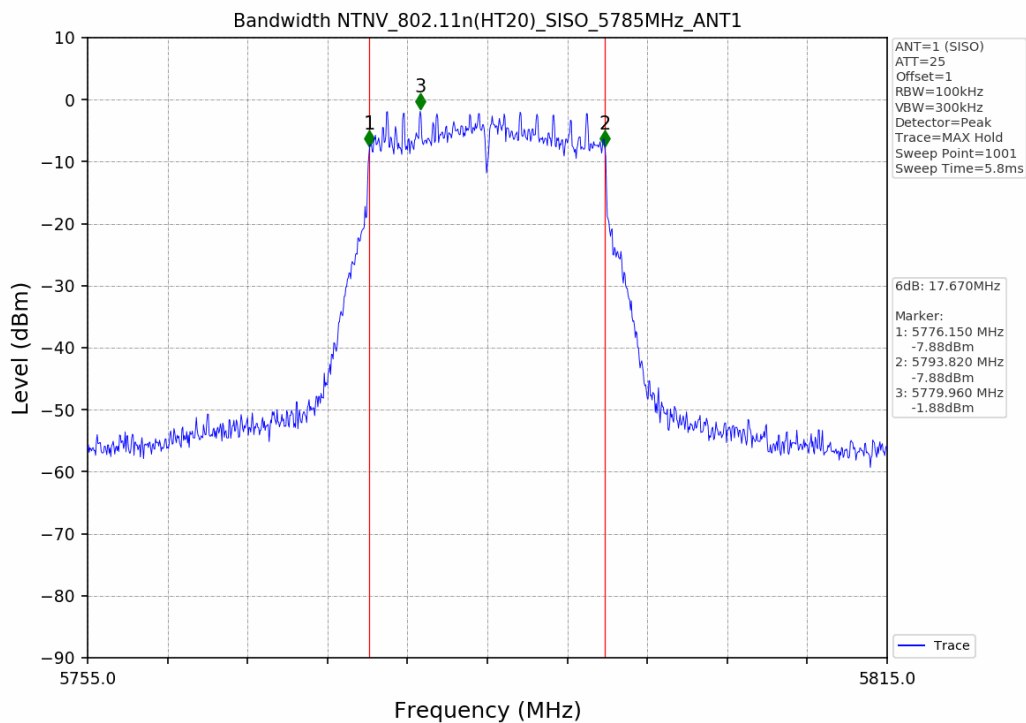
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.354	≥0.5	PASS
	5785	SISO	1	16.250	≥0.5	PASS
	5825	SISO	1	16.331	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	17.659	≥0.5	PASS
	5785	SISO	1	17.670	≥0.5	PASS
	5825	SISO	1	17.657	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	36.390	≥0.5	PASS
	5795	SISO	1	36.393	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	17.688	≥0.5	PASS
	5785	SISO	1	17.340	≥0.5	PASS
	5825	SISO	1	17.656	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	36.365	≥0.5	PASS
	5795	SISO	1	36.279	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.582	≥0.5	PASS

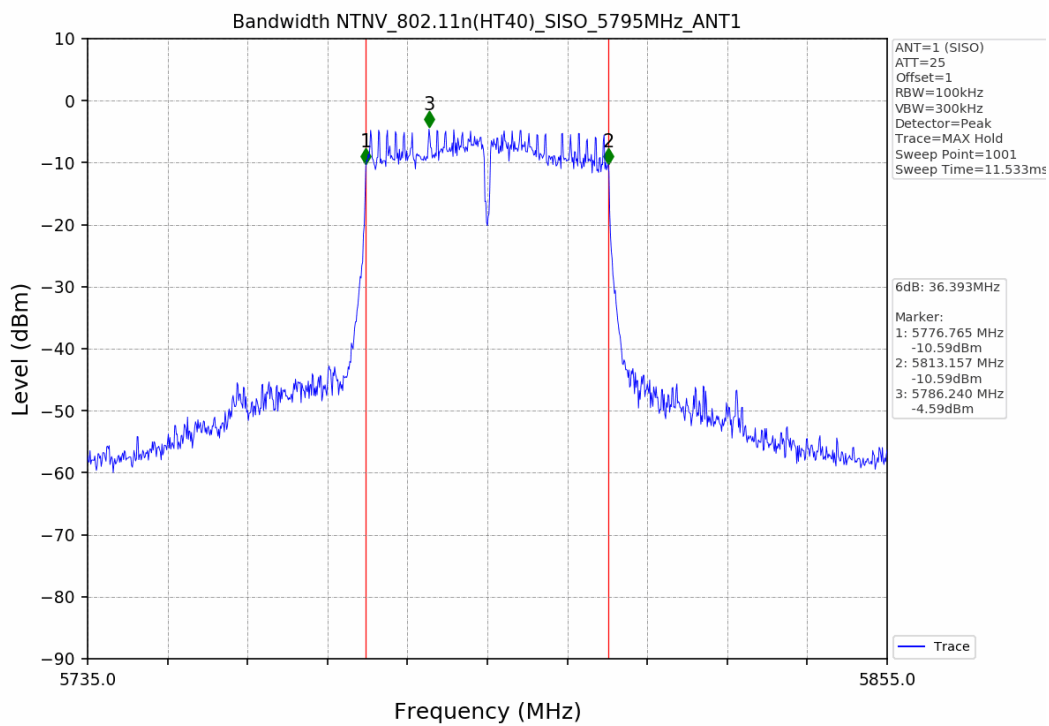
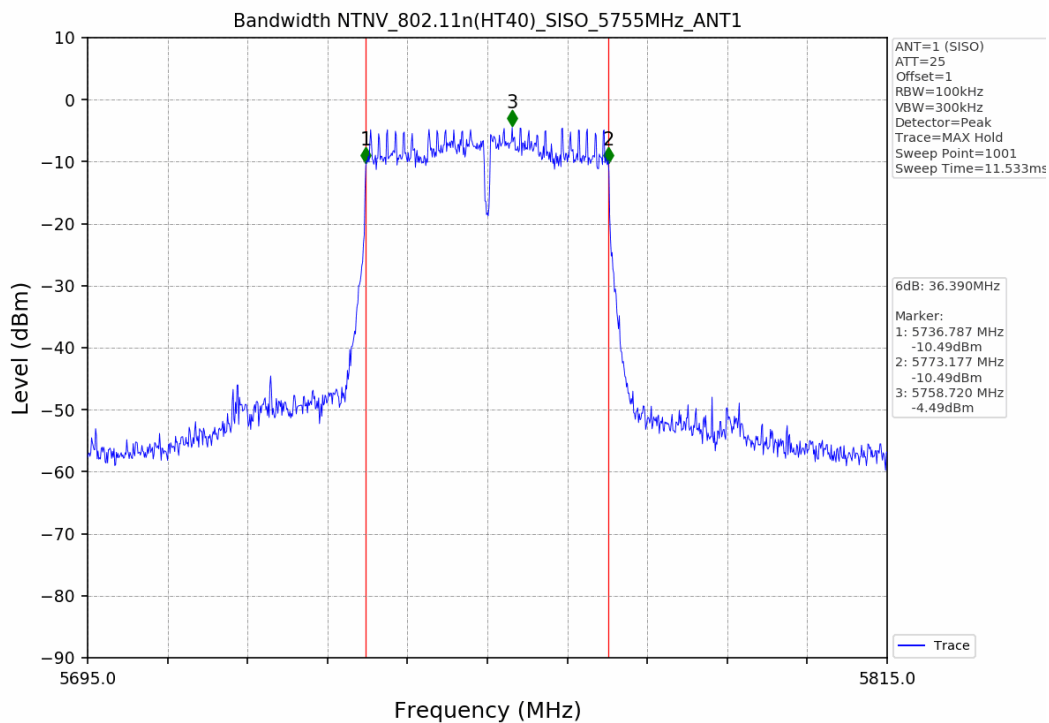
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.599	Only for Report Use
	5785	SISO	1	16.588	Only for Report Use
	5825	SISO	1	16.594	Only for Report Use
802.11n(HT20)	5745	SISO	1	17.891	Only for Report Use
	5785	SISO	1	17.876	Only for Report Use
	5825	SISO	1	17.853	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.446	Only for Report Use
	5795	SISO	1	36.525	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	17.840	Only for Report Use
	5785	SISO	1	17.857	Only for Report Use
	5825	SISO	1	17.865	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.432	Only for Report Use
	5795	SISO	1	36.529	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	75.508	Only for Report Use

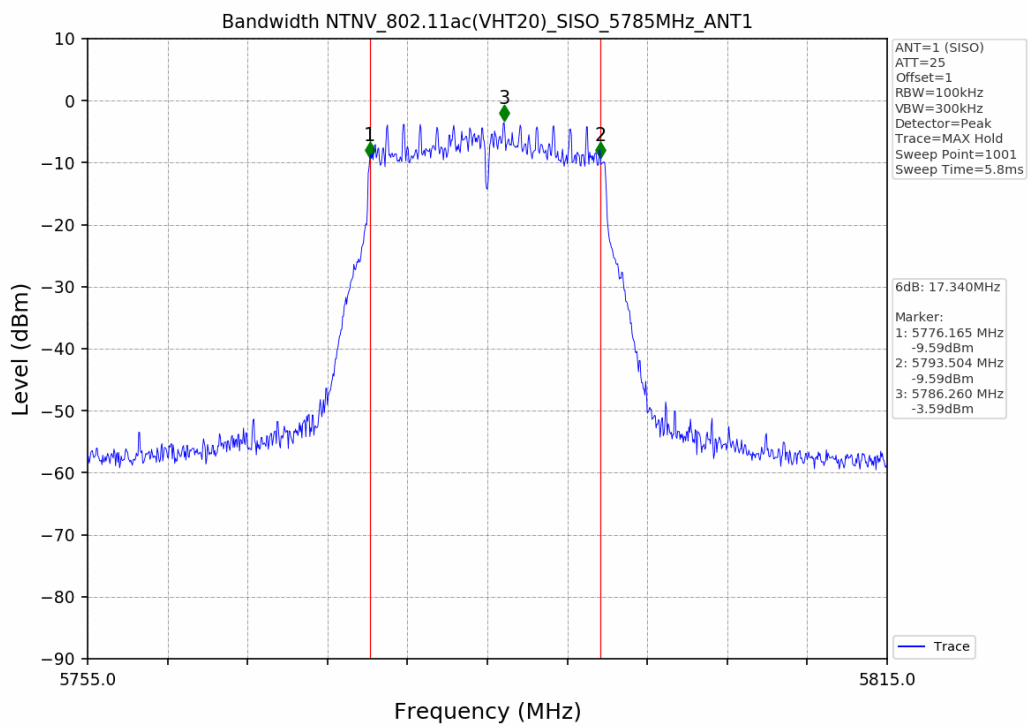
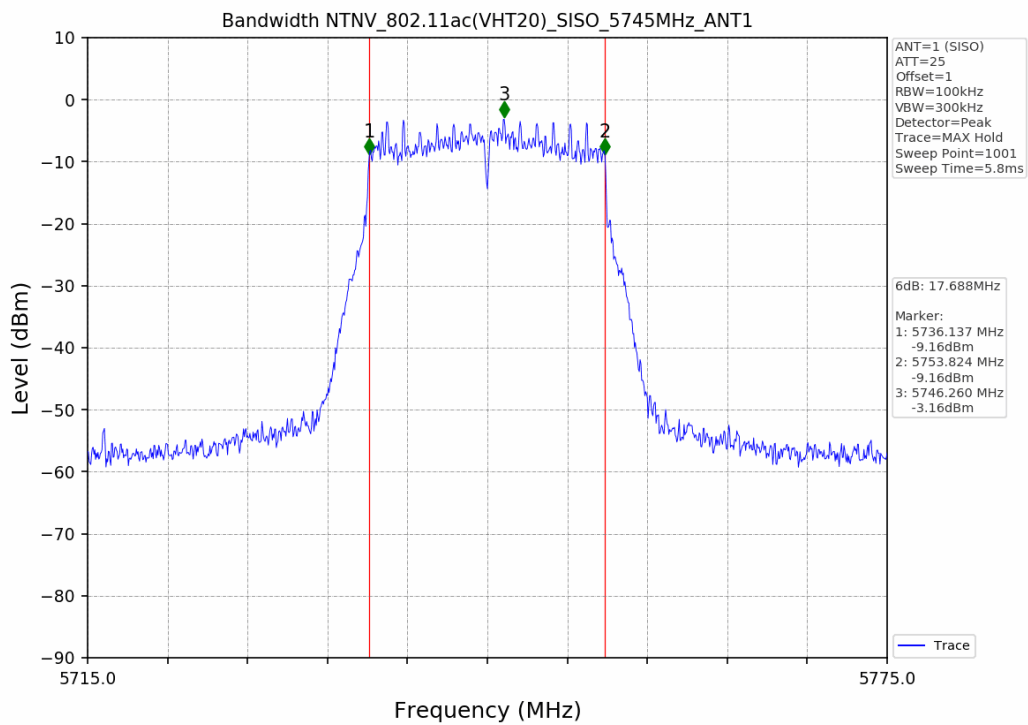
1.2 Test Graph - Emission Bandwidth

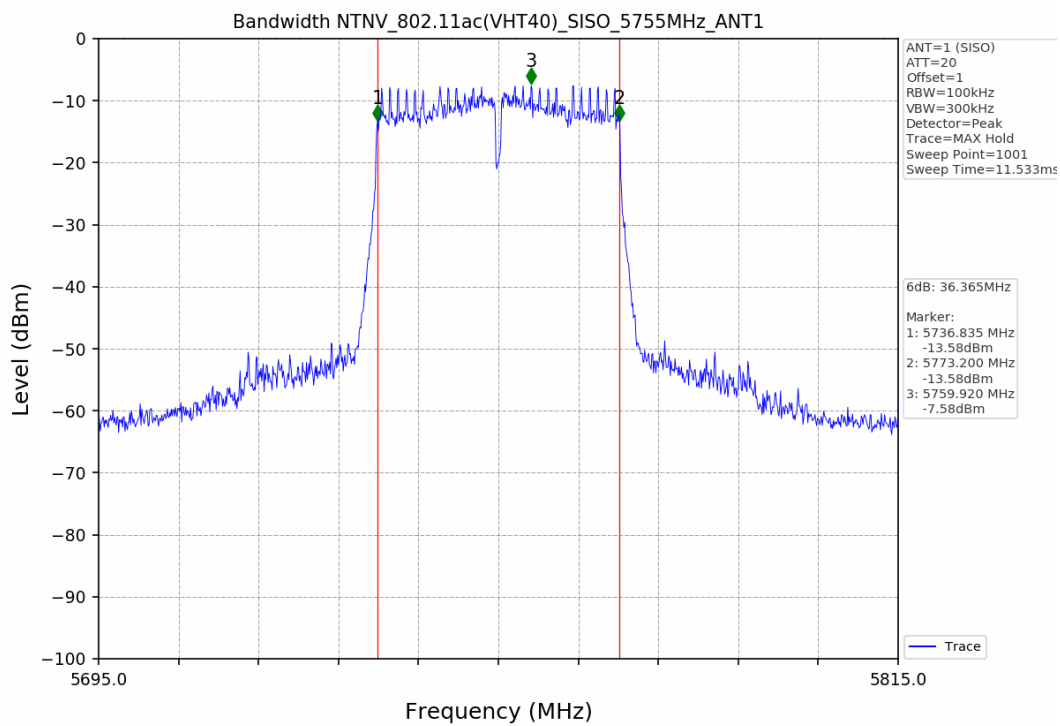
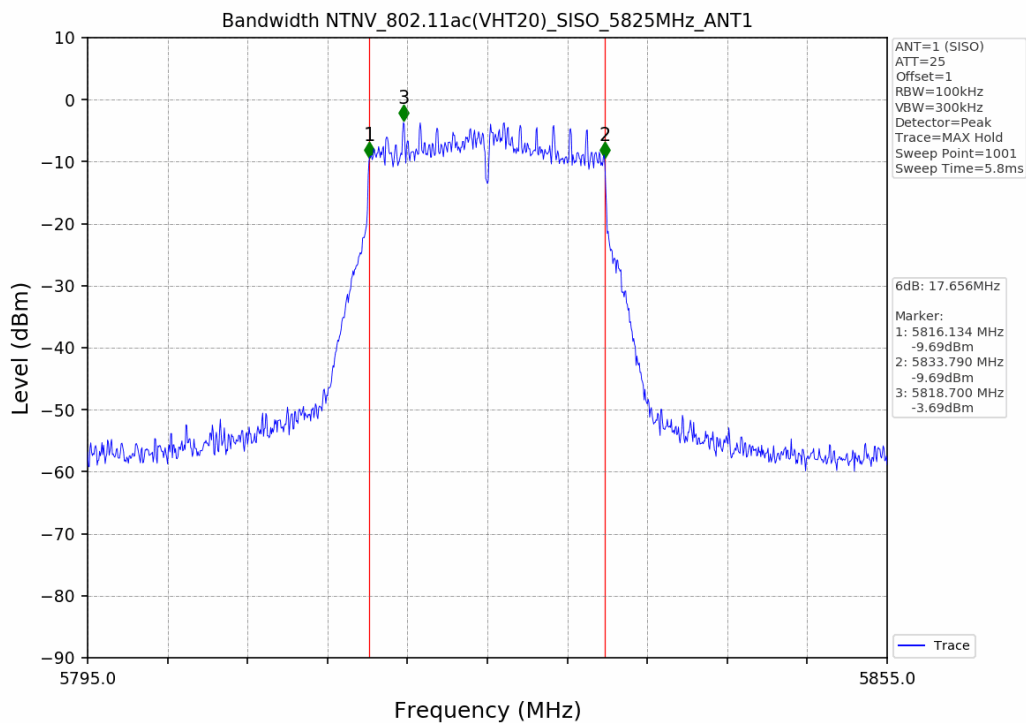


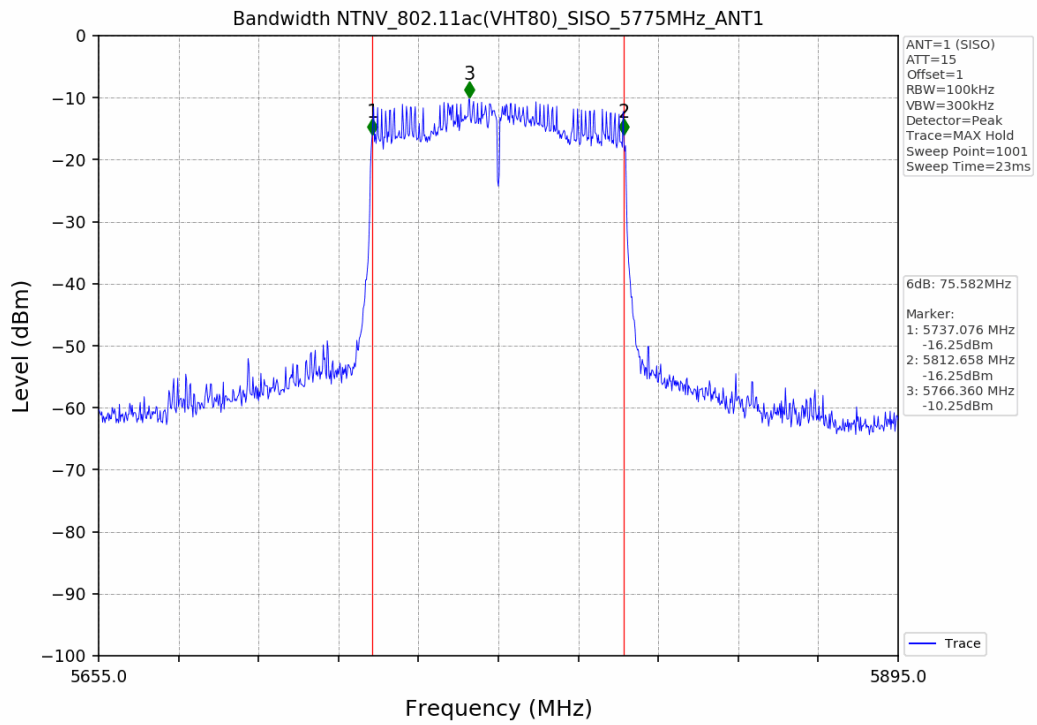
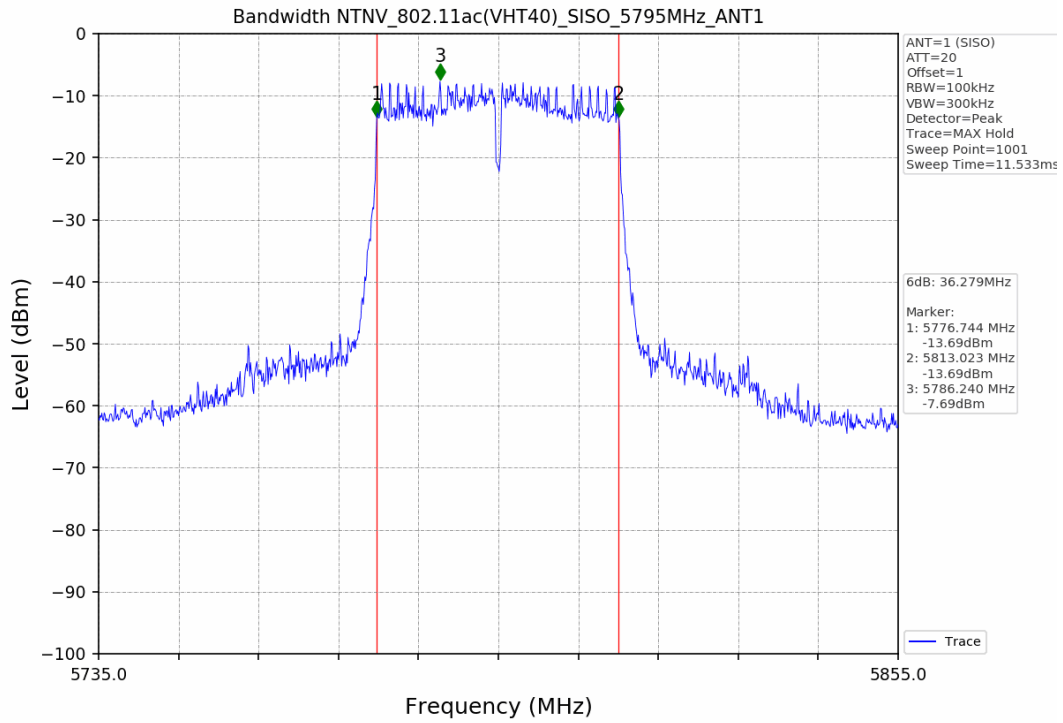




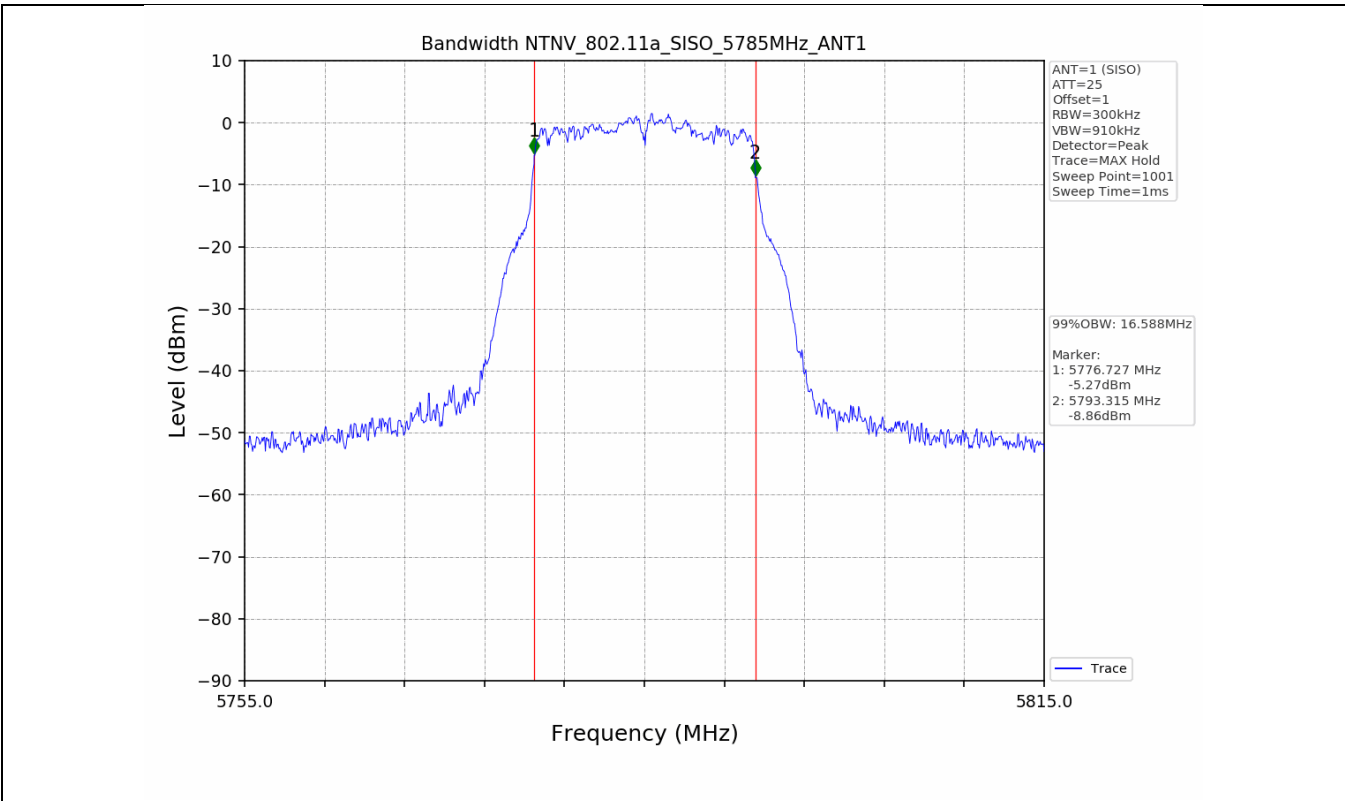
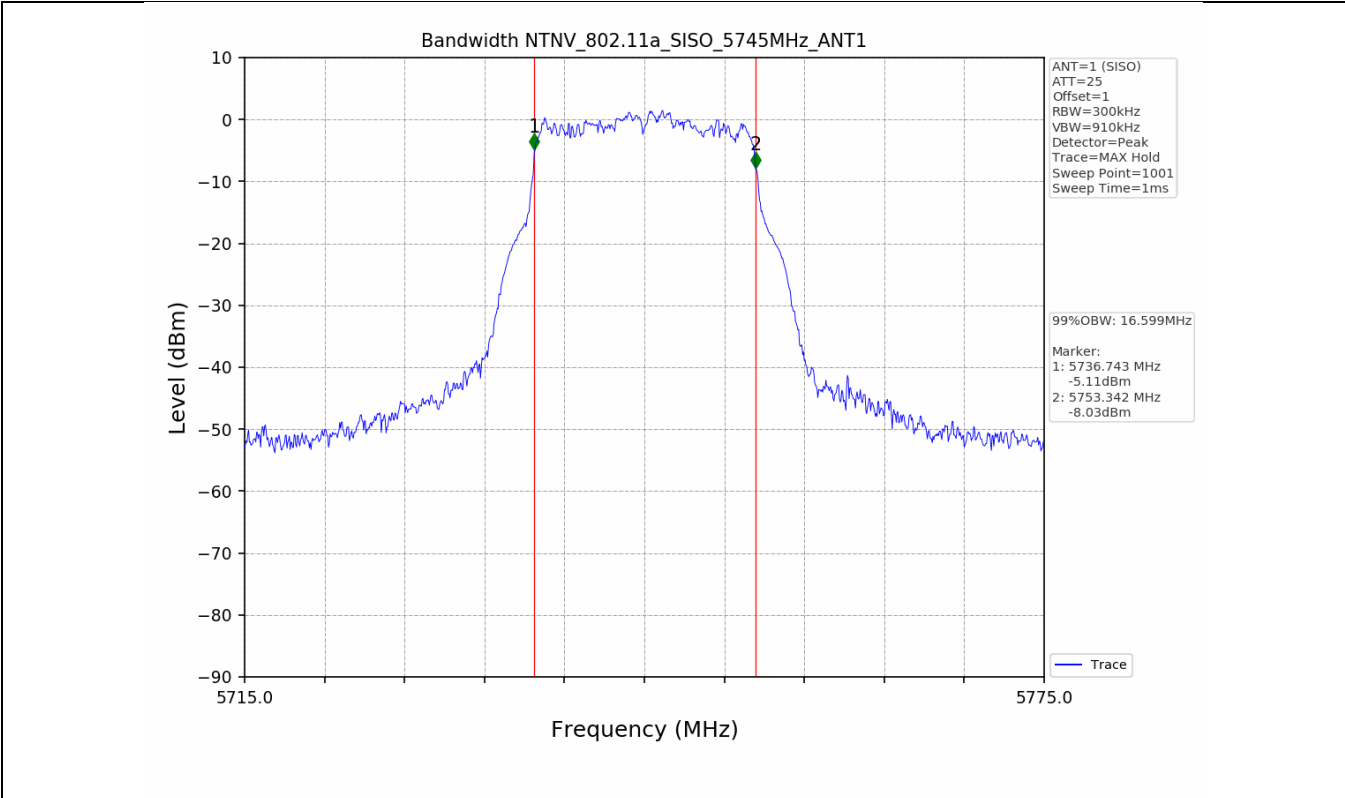


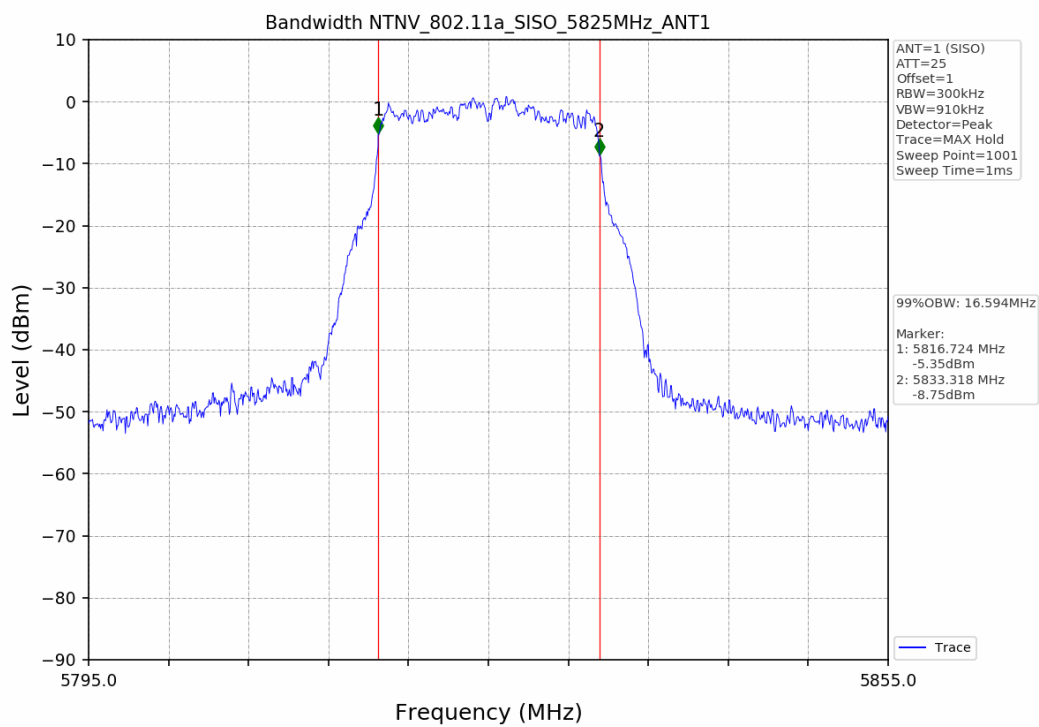


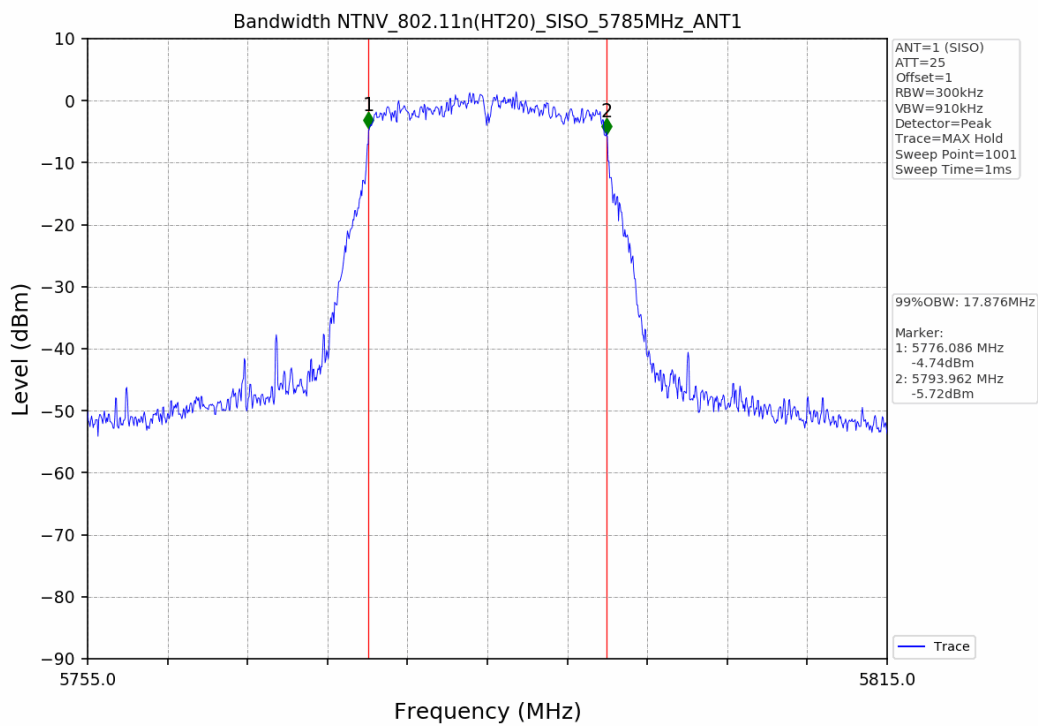
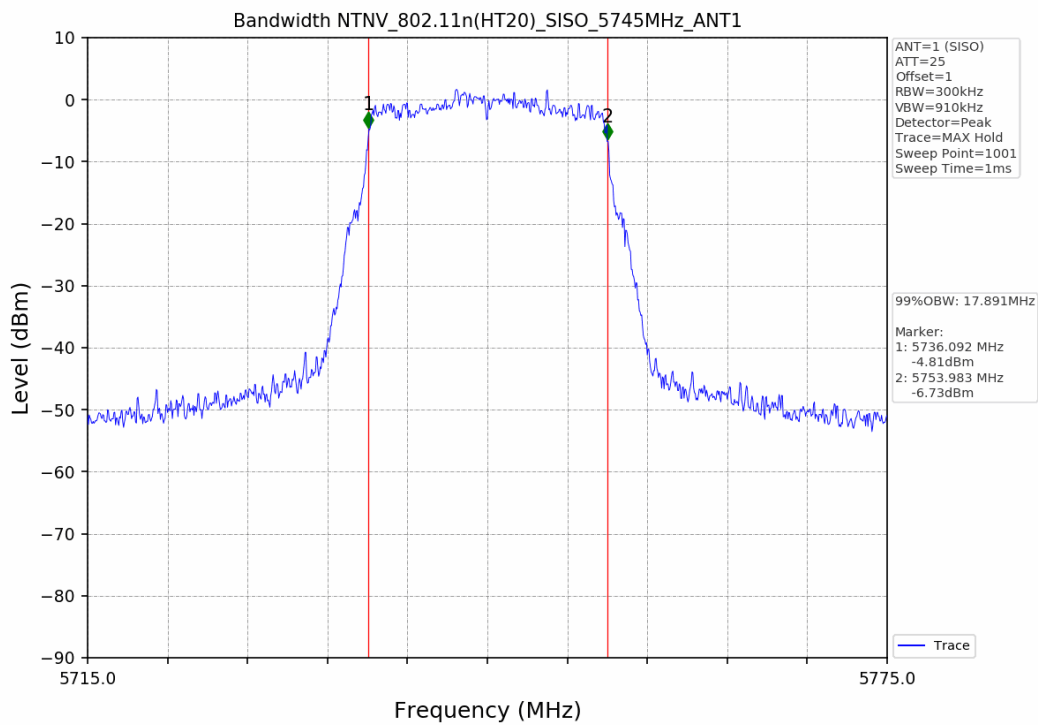


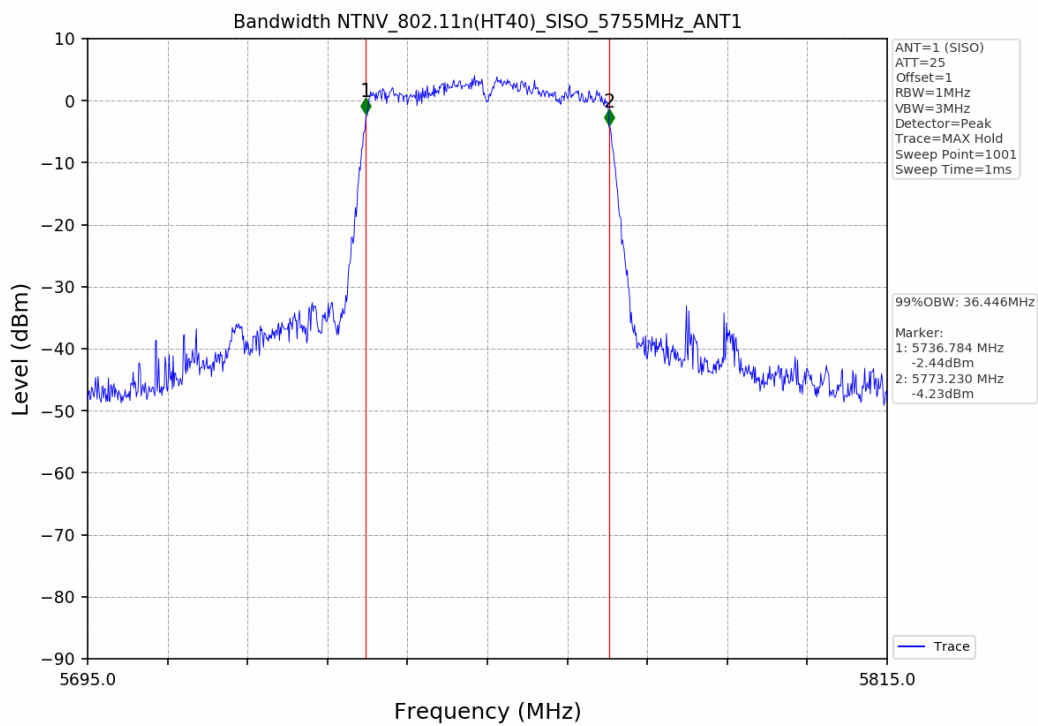
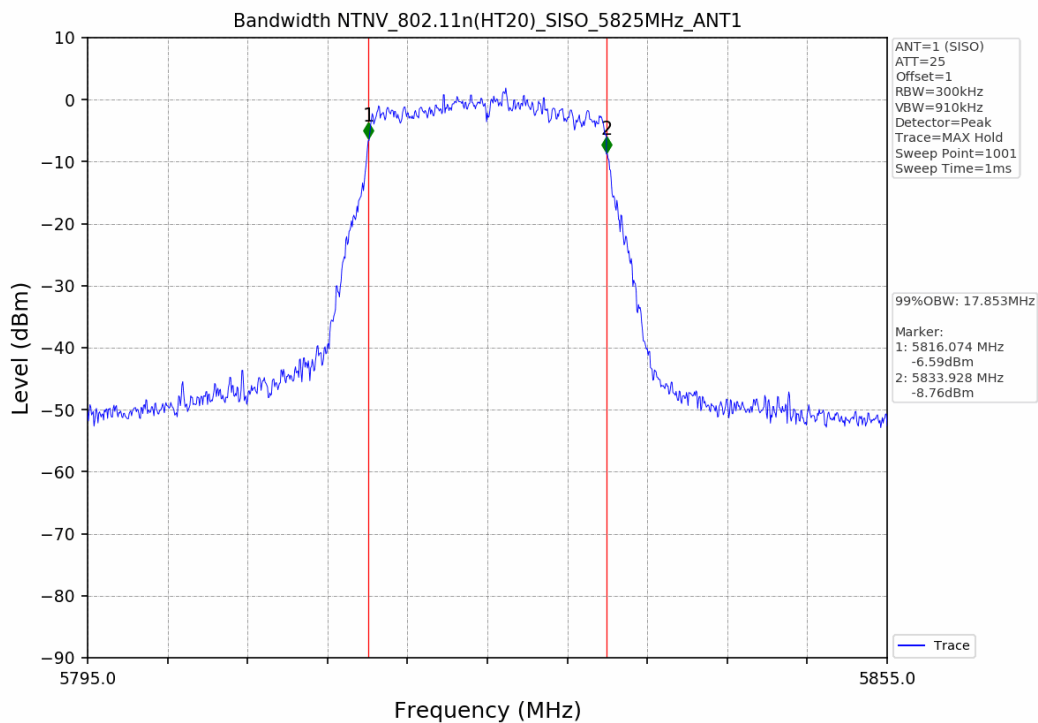


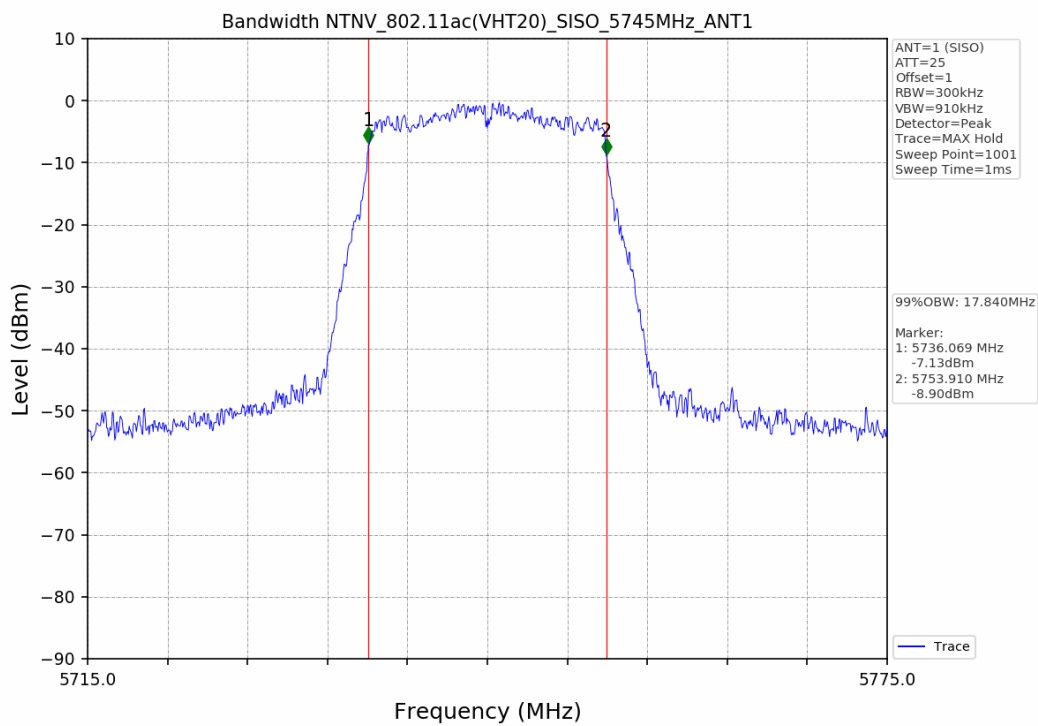
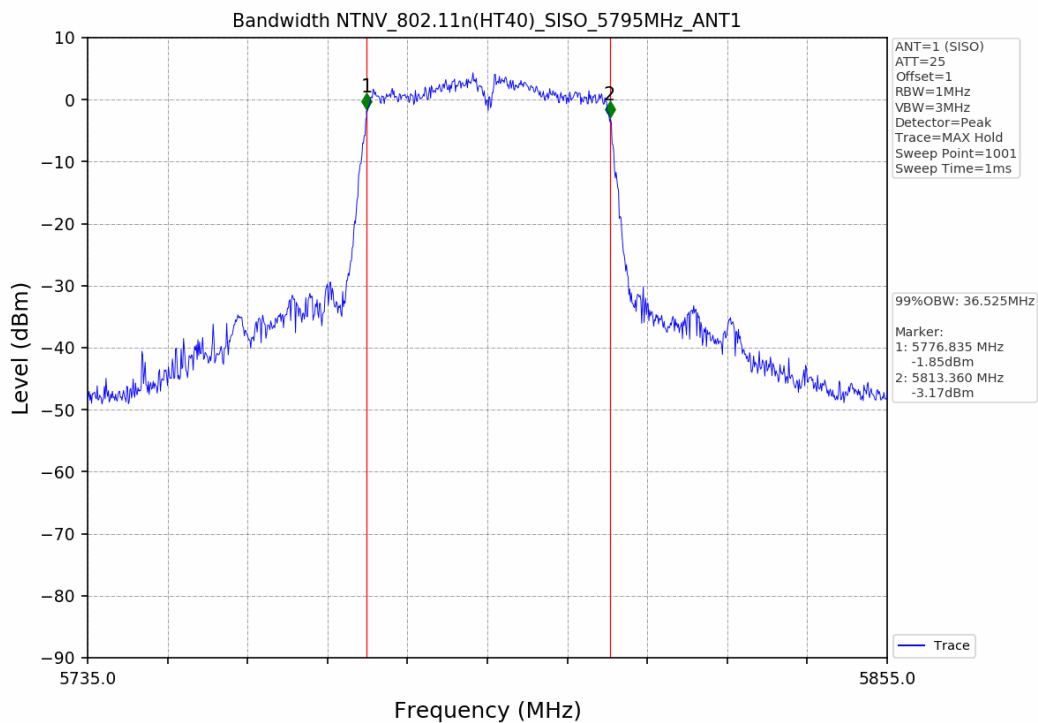
1.3 Test Graph - 99% Occupied Bandwidth

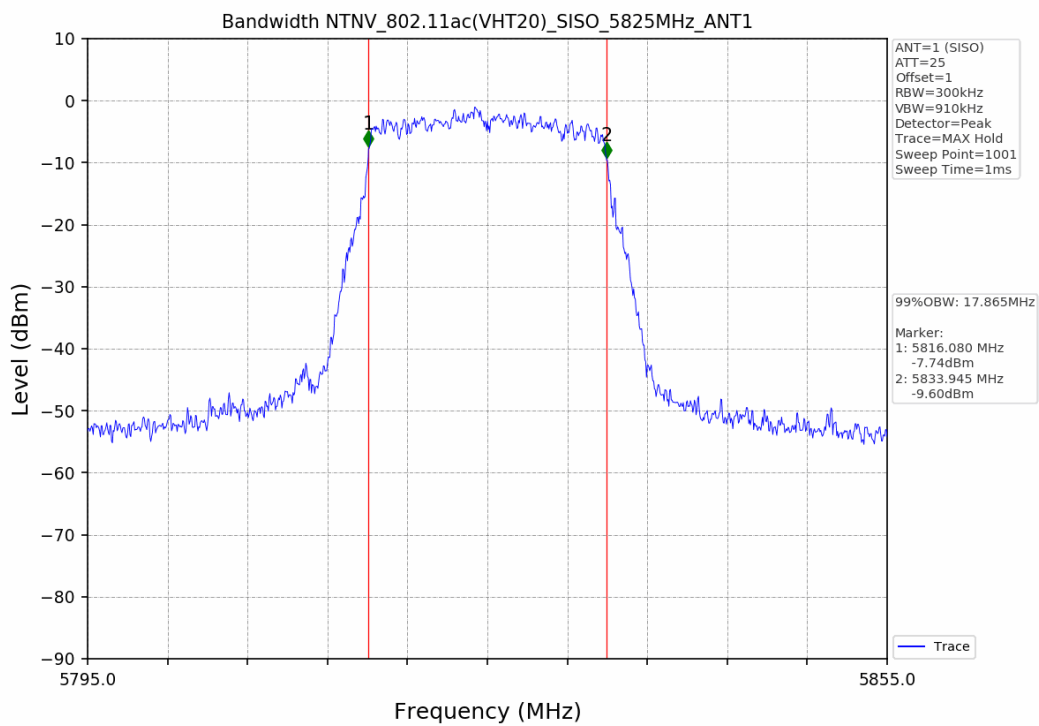
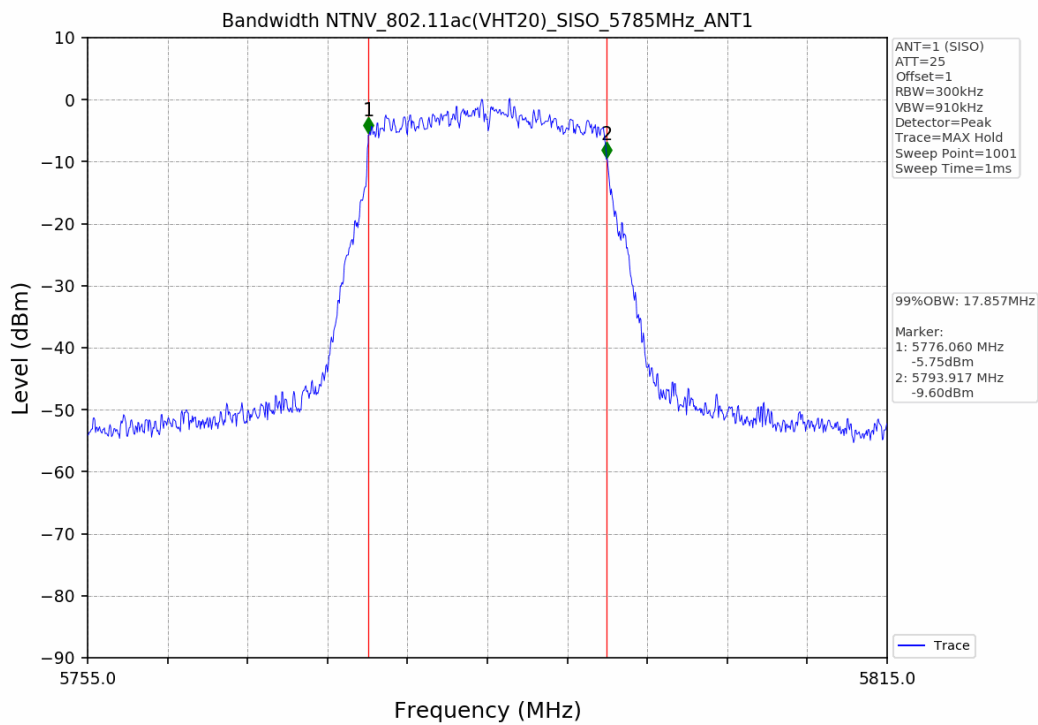


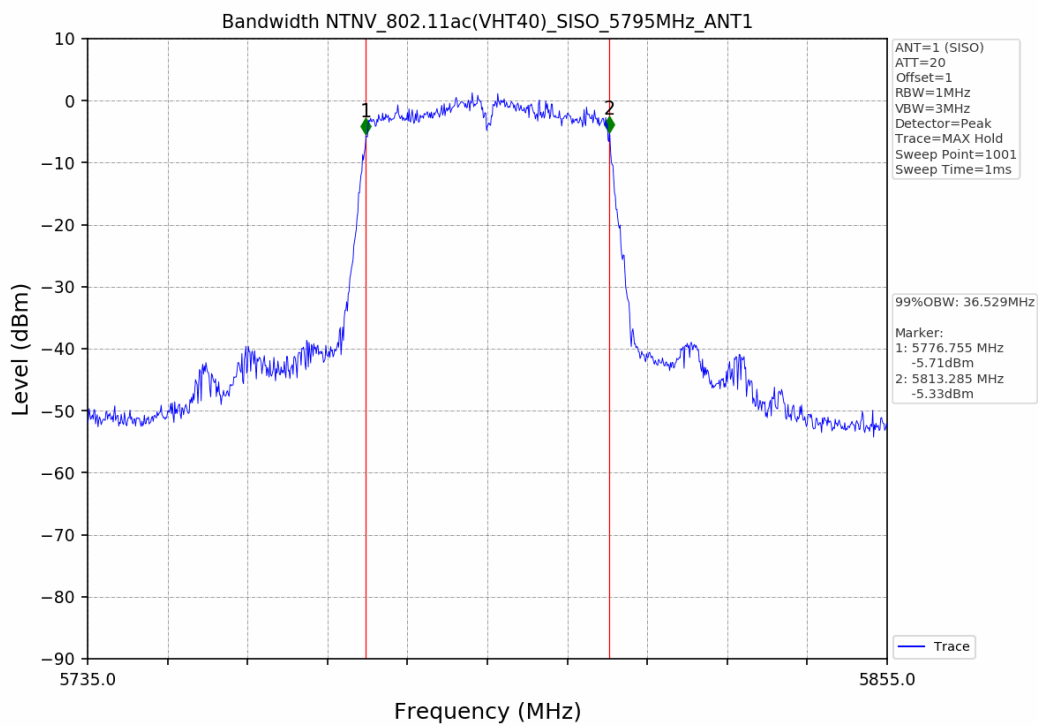
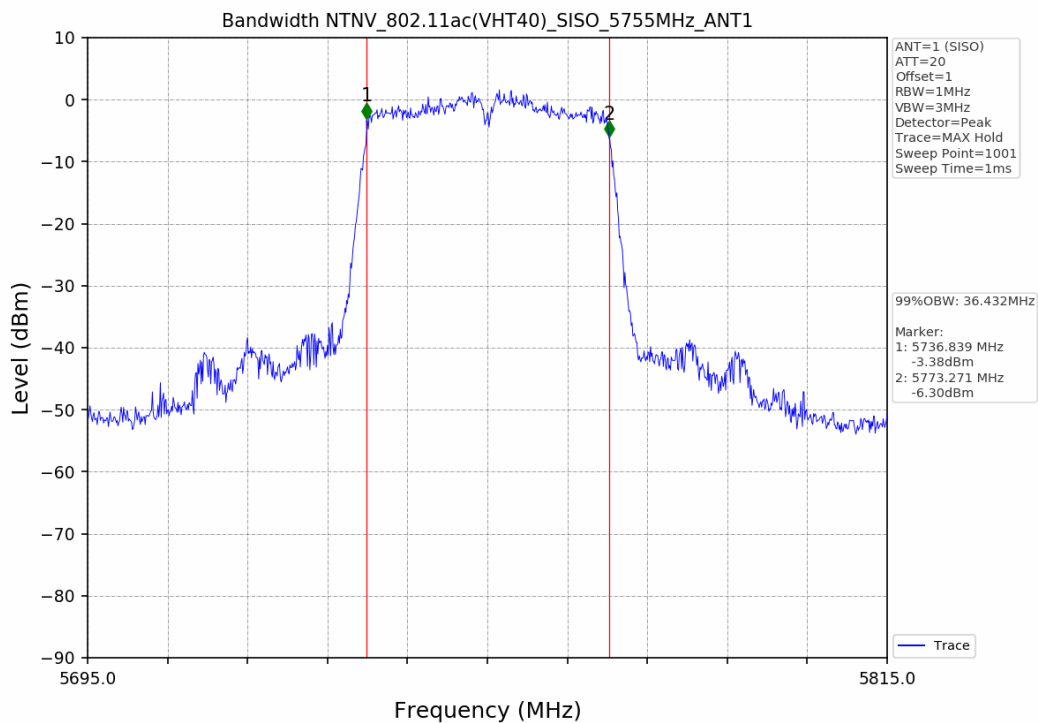


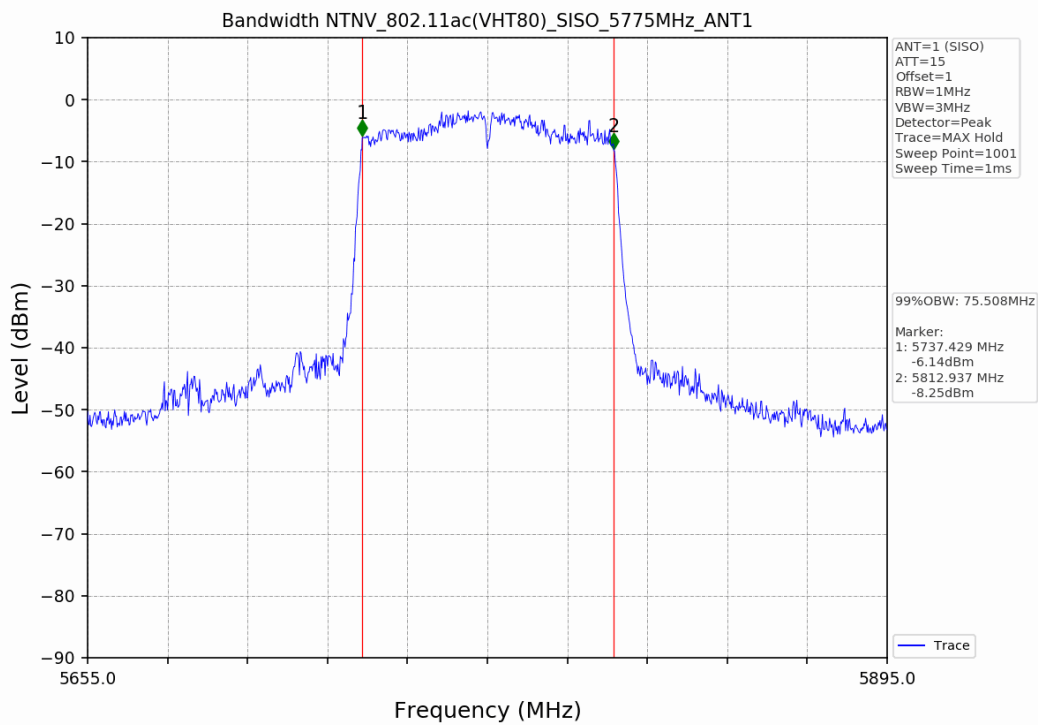










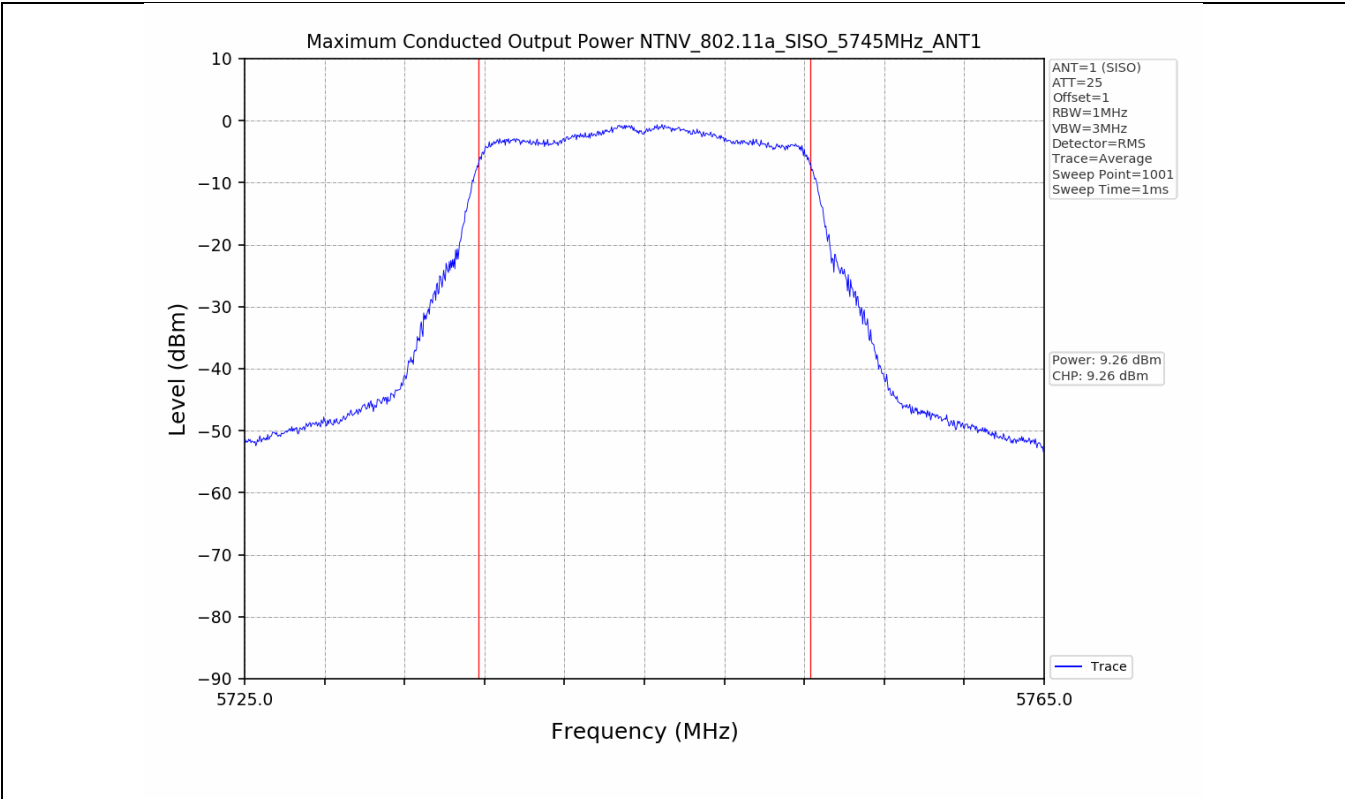


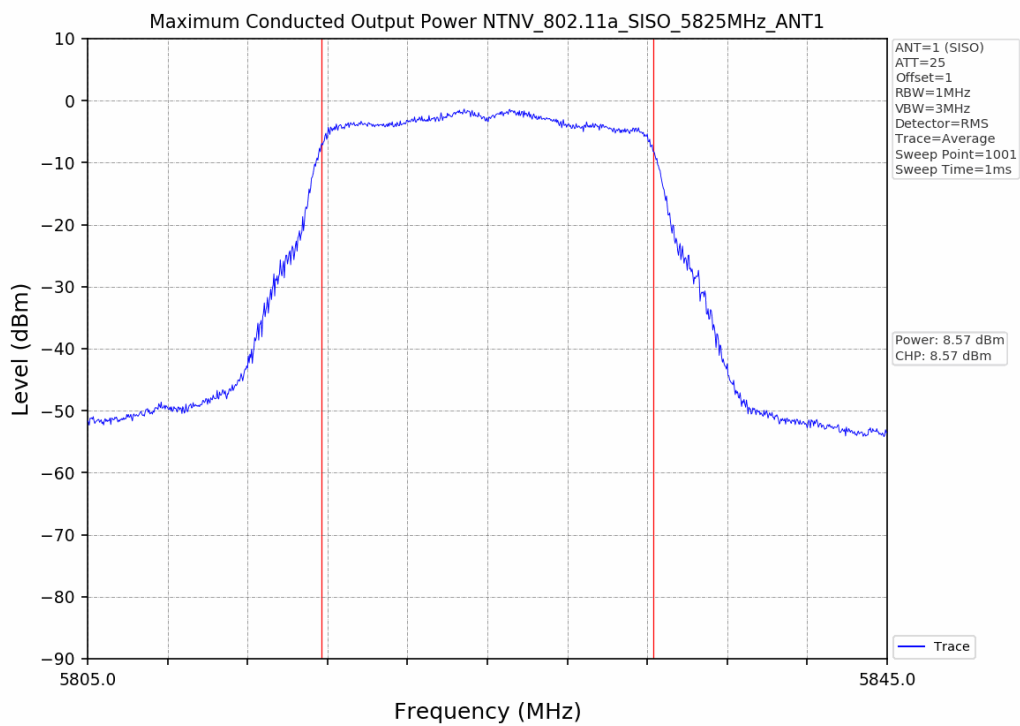
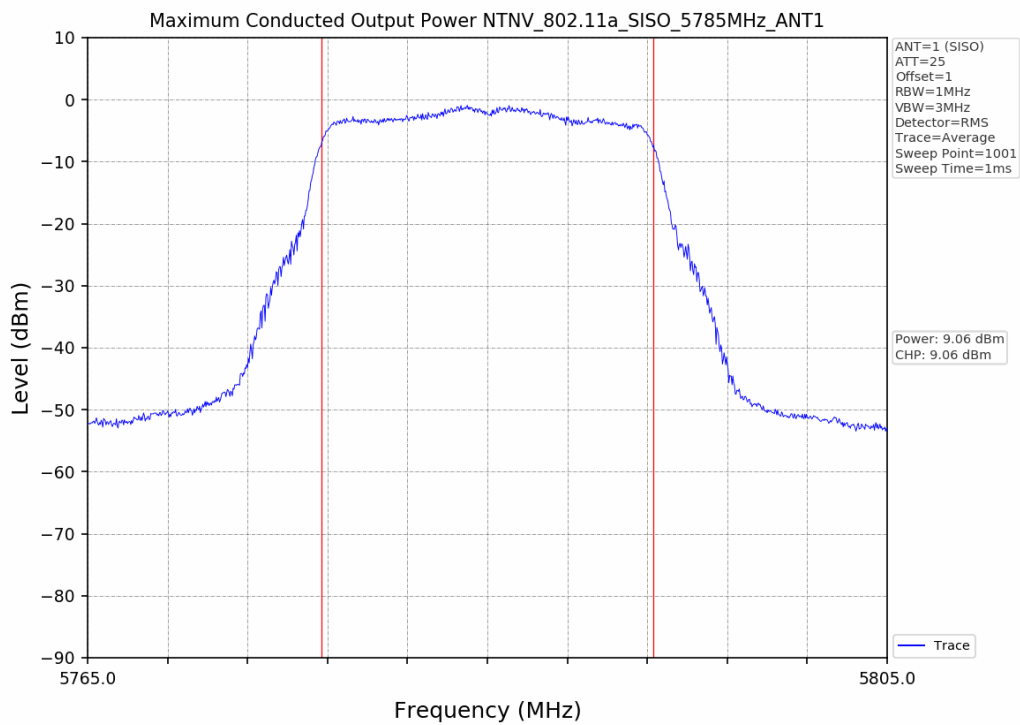
2. Maximum Conducted Output Power

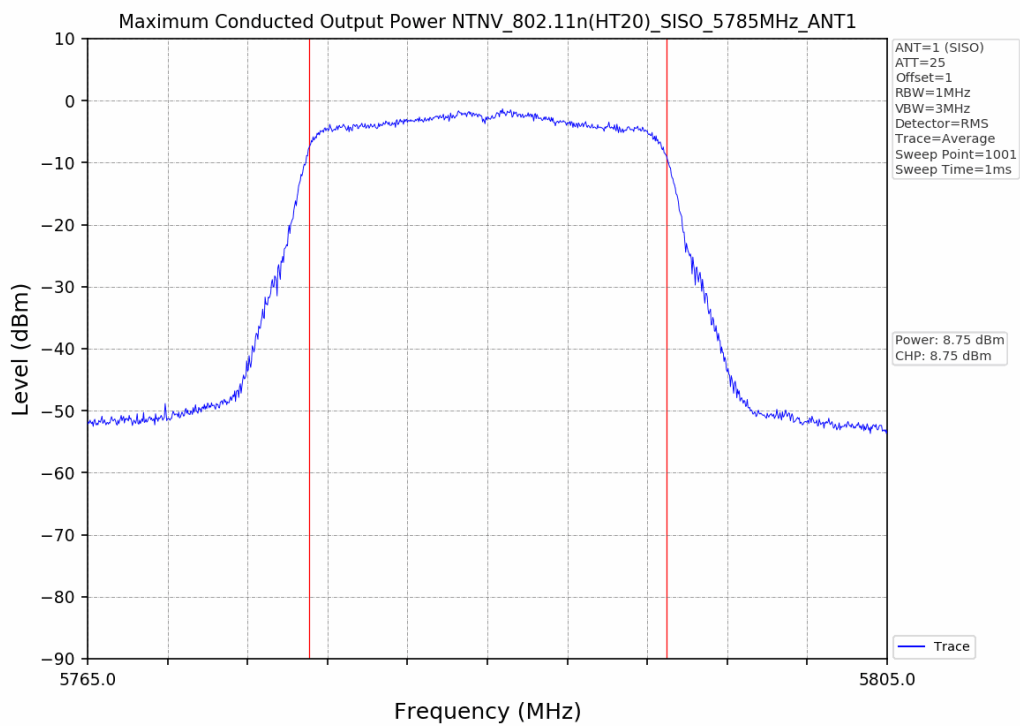
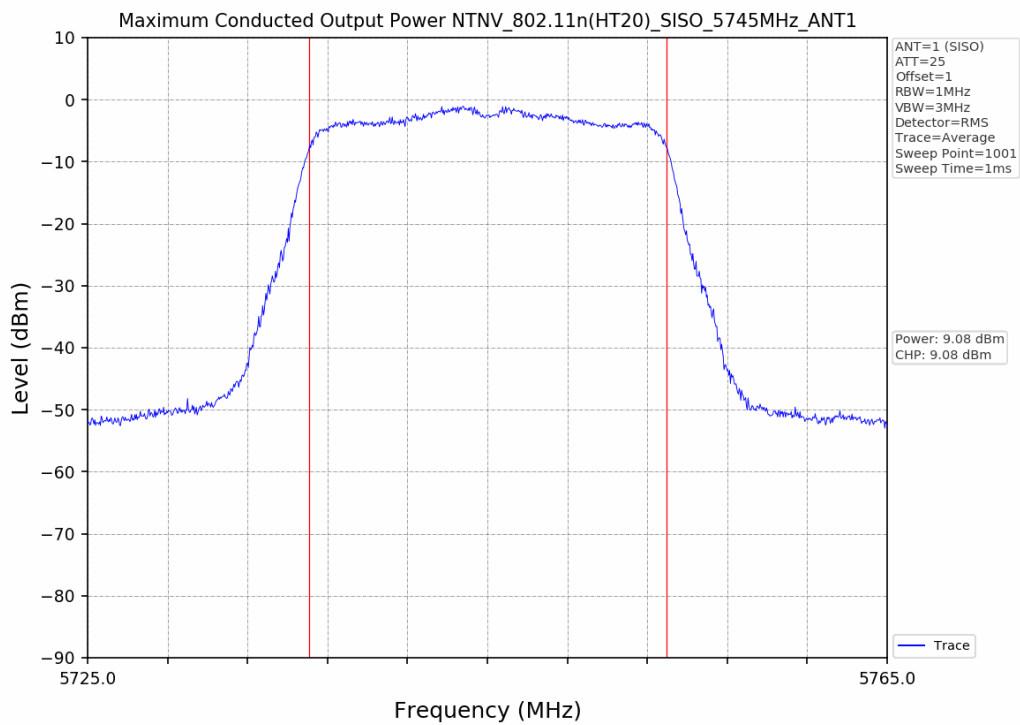
2.1 Test Result

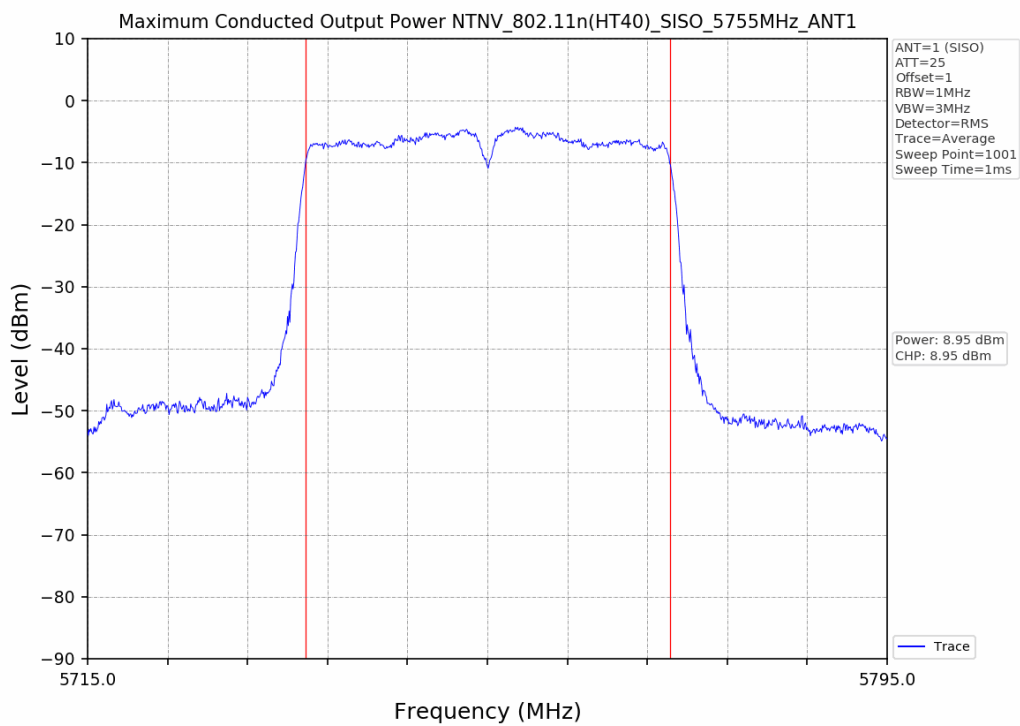
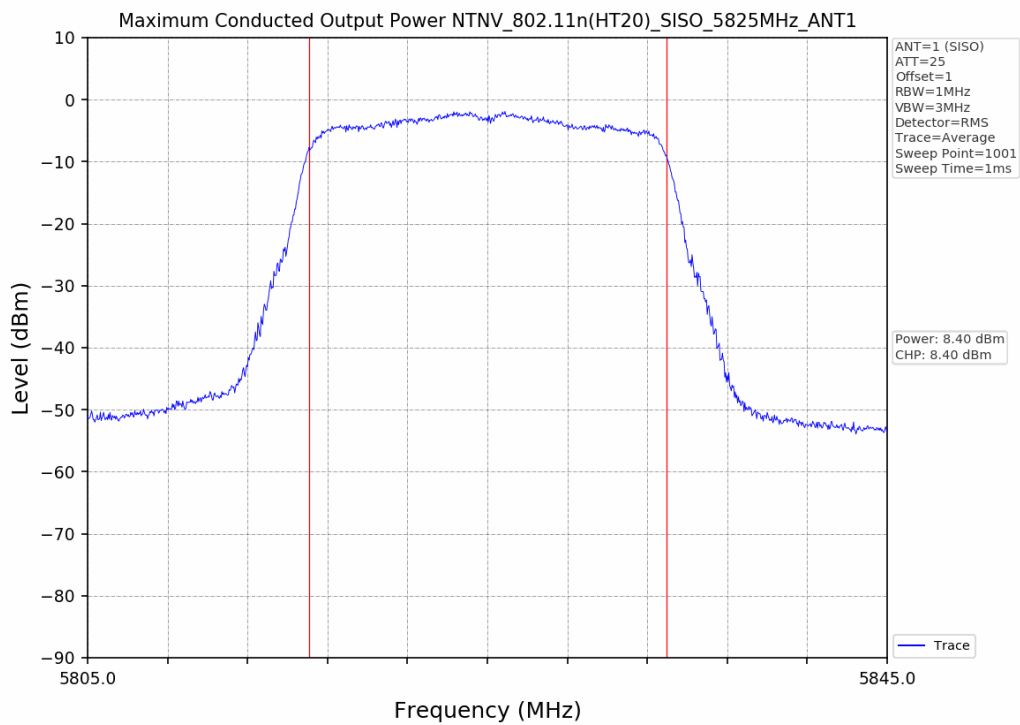
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5745	SISO	9.26	≤30.00	PASS
	5785	SISO	9.06	≤30.00	PASS
	5825	SISO	8.57	≤30.00	PASS
802.11n(HT20)	5745	SISO	9.08	≤30.00	PASS
	5785	SISO	8.75	≤30.00	PASS
	5825	SISO	8.40	≤30.00	PASS
802.11n(HT40)	5755	SISO	8.95	≤30.00	PASS
	5795	SISO	8.69	≤30.00	PASS
802.11ac(VHT20)	5745	SISO	14.22	≤30.00	PASS
	5785	SISO	6.82	≤30.00	PASS
	5825	SISO	6.68	≤30.00	PASS
802.11ac(VHT40)	5755	SISO	5.80	≤30.00	PASS
	5795	SISO	5.43	≤30.00	PASS
802.11ac(VHT80)	5775	SISO	12.00	≤30.00	PASS

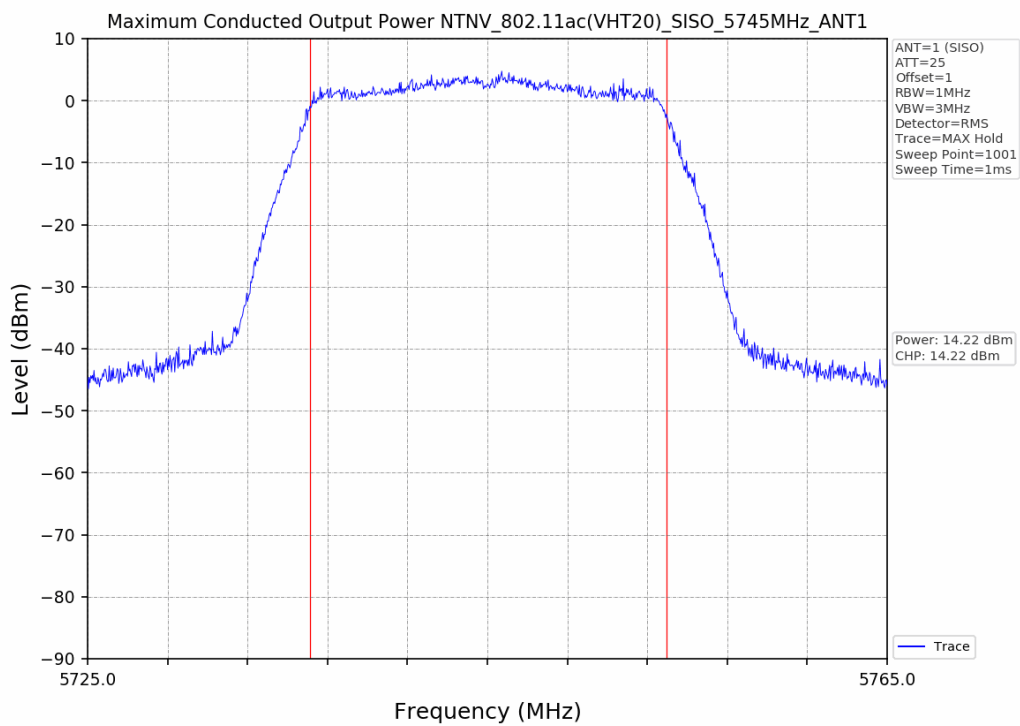
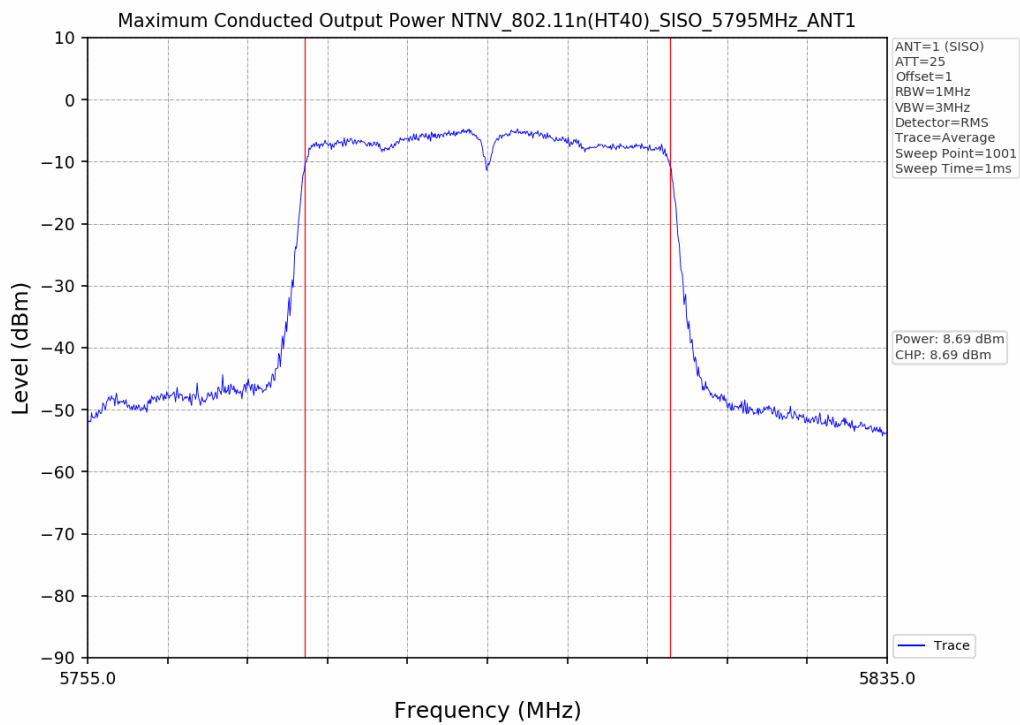
2.2 Test Graph

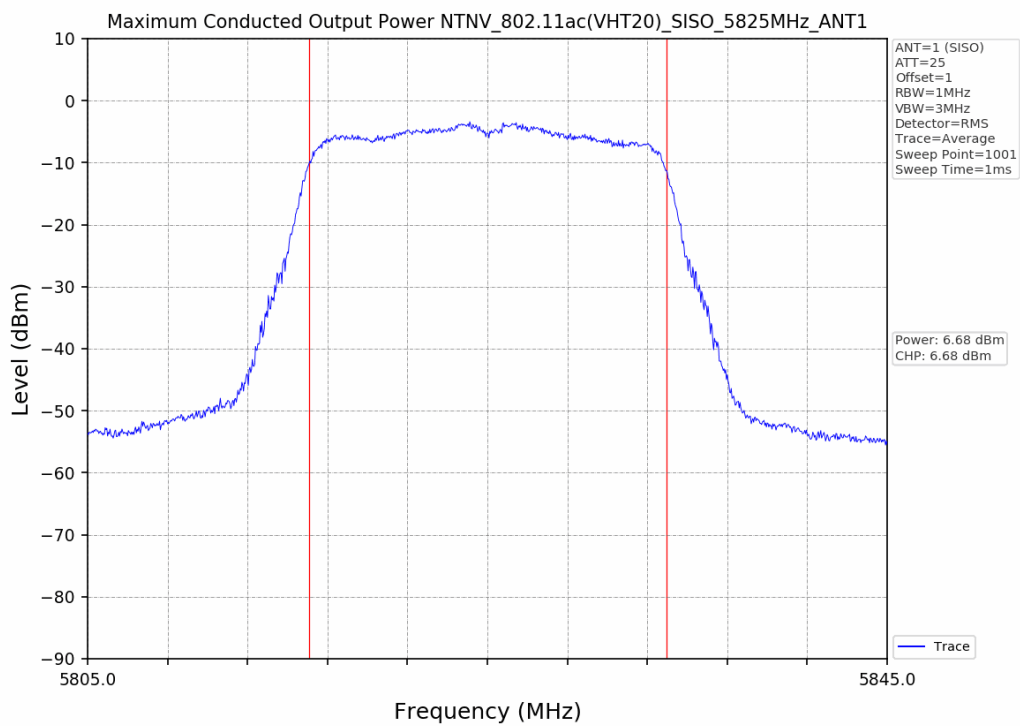
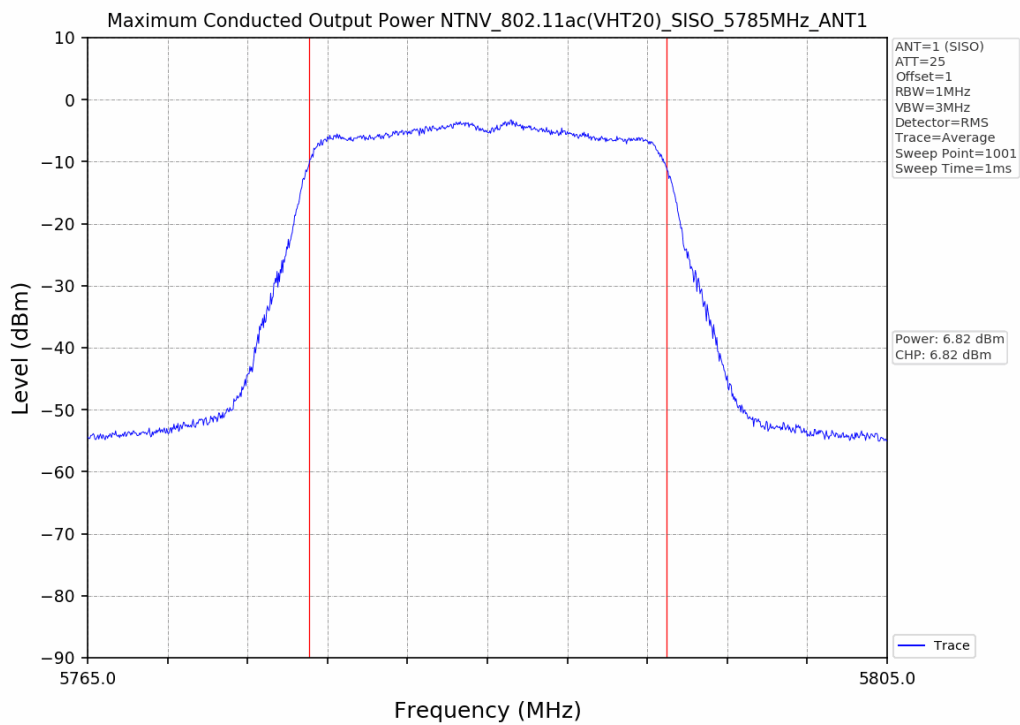


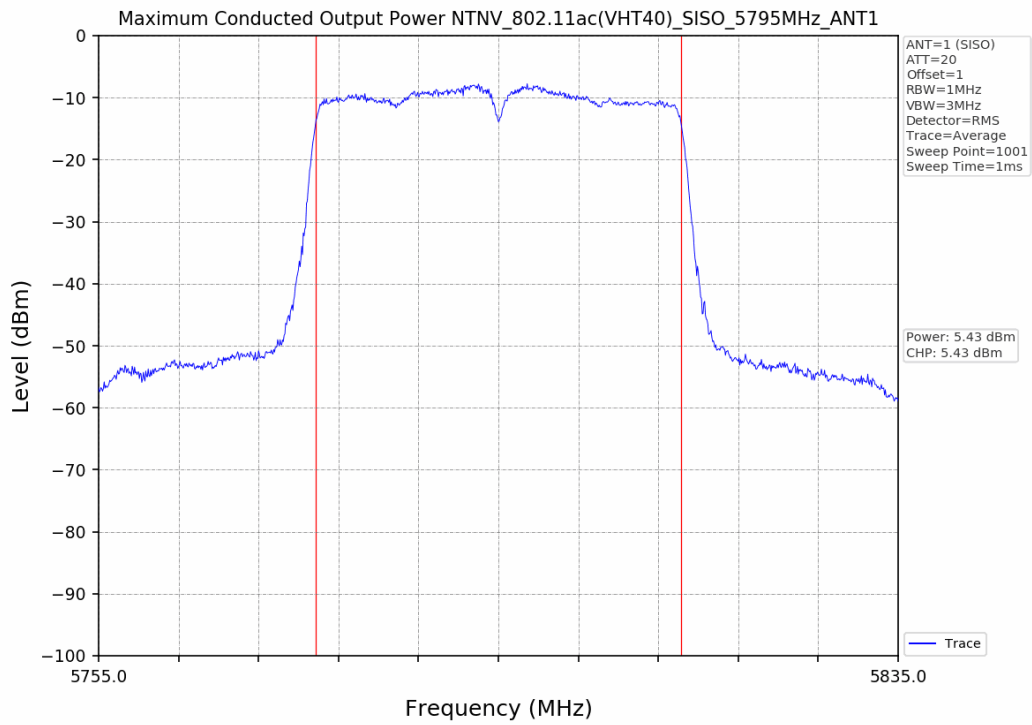
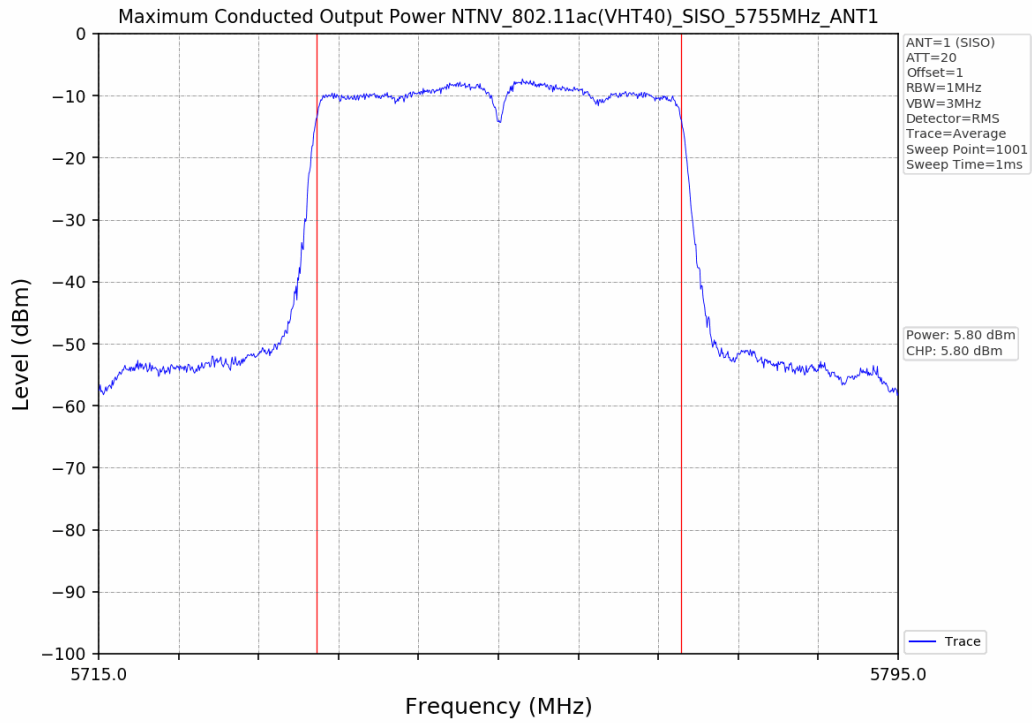


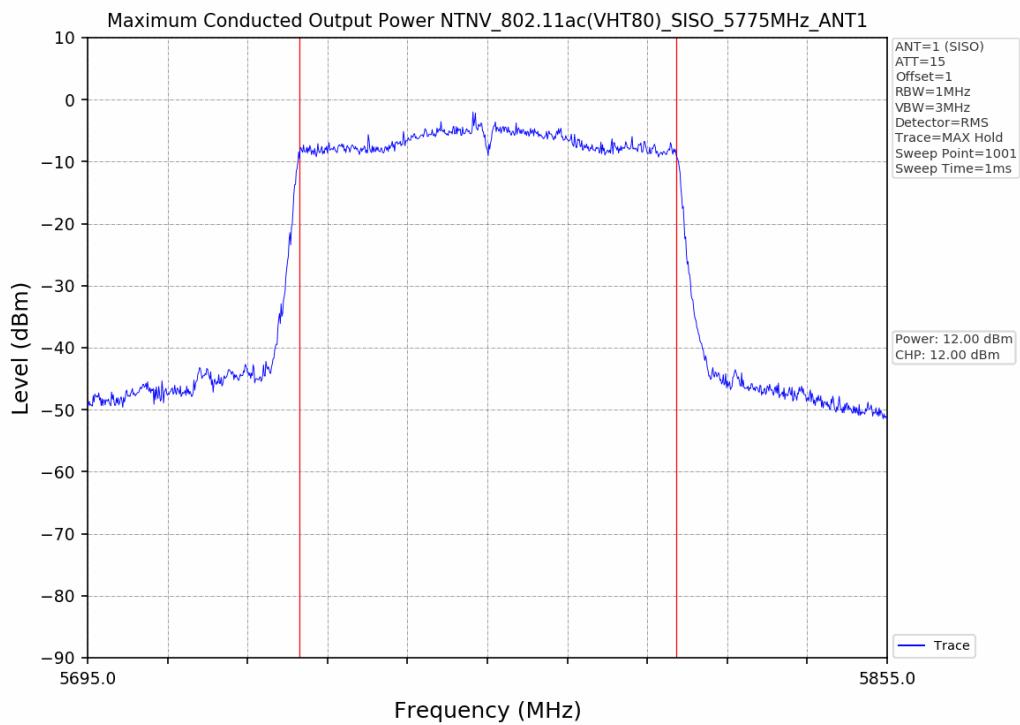










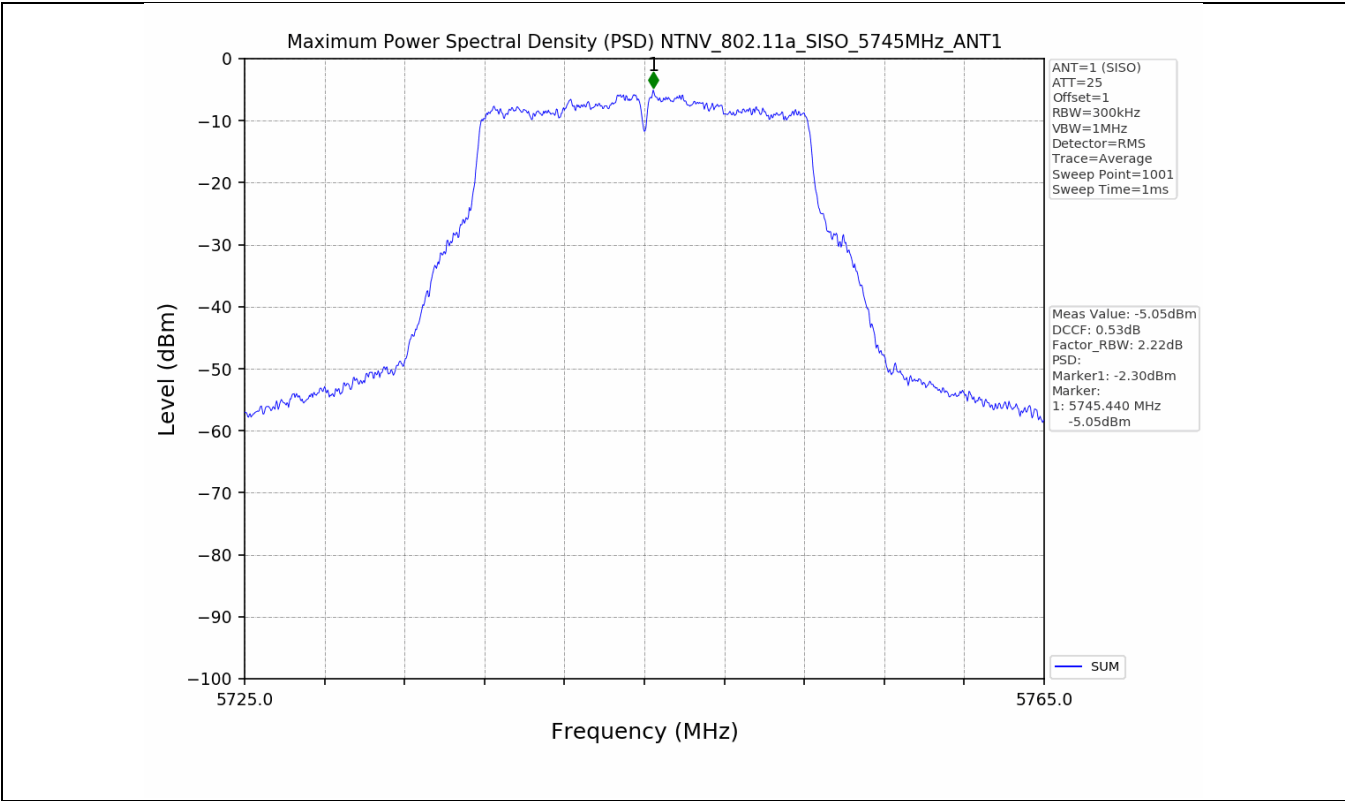


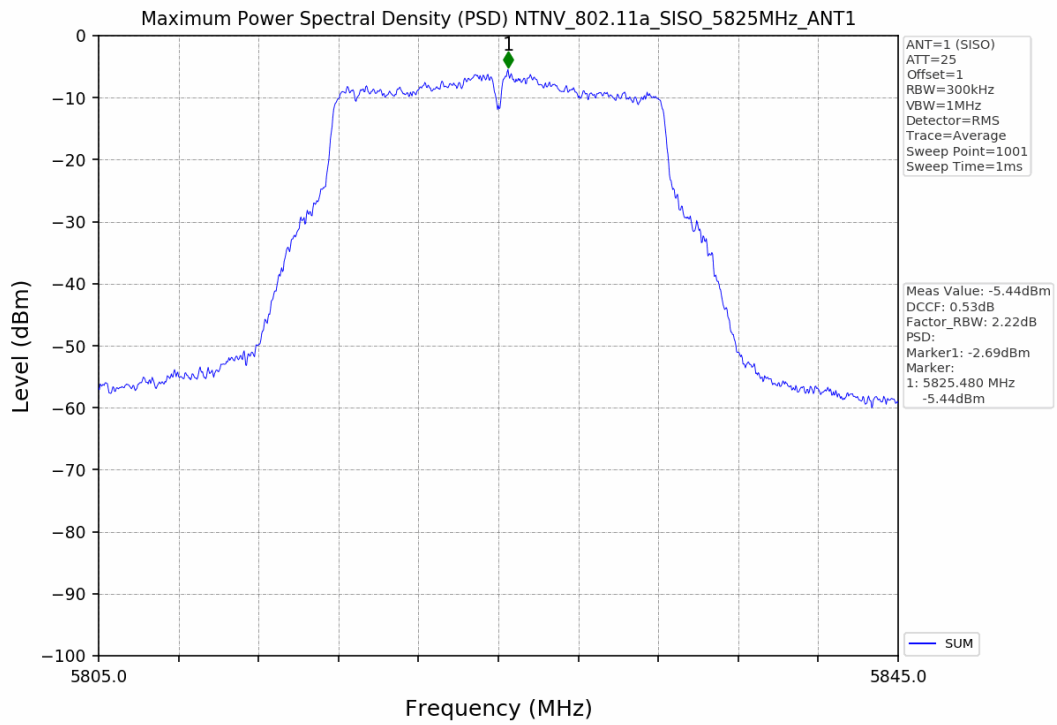
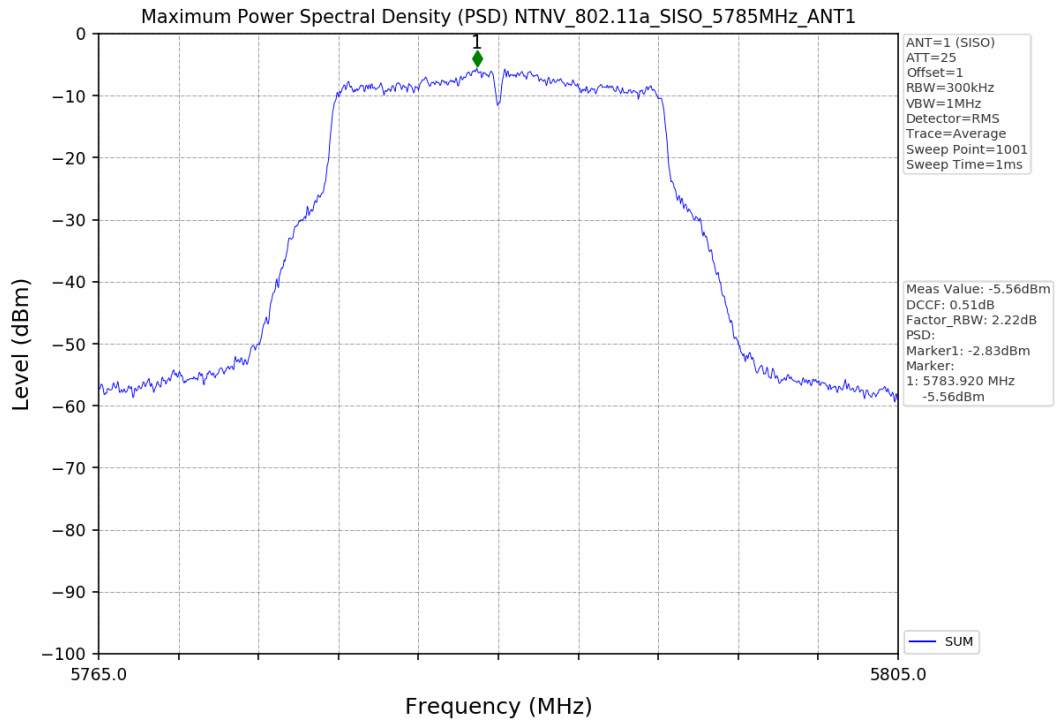
3. Maximum Power Spectral Density (PSD)

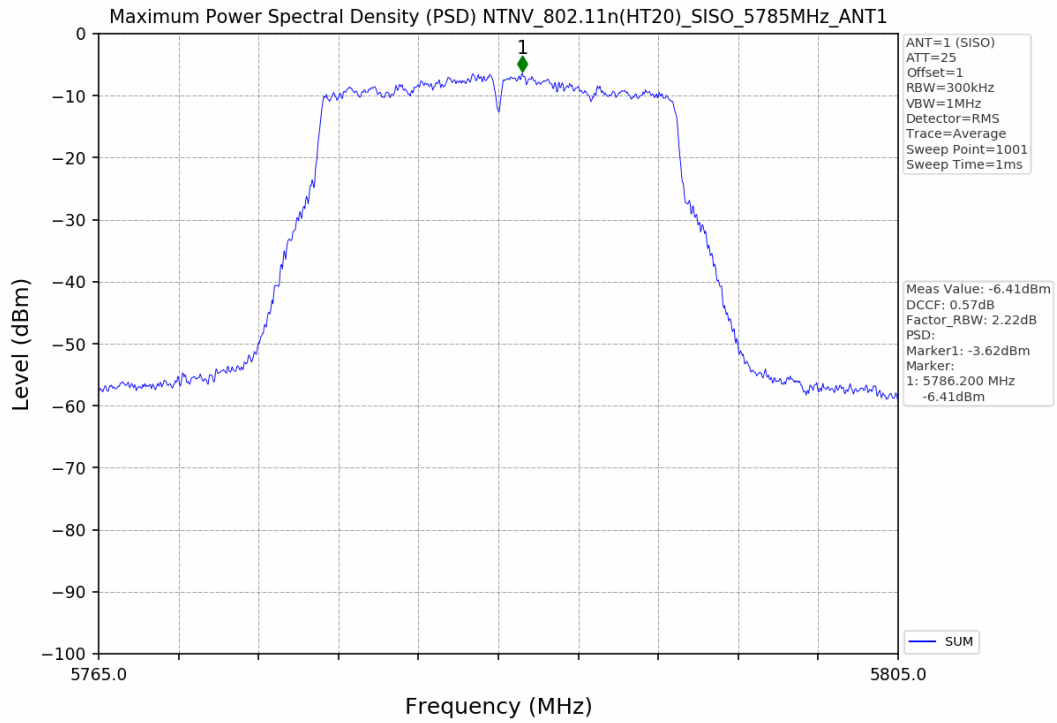
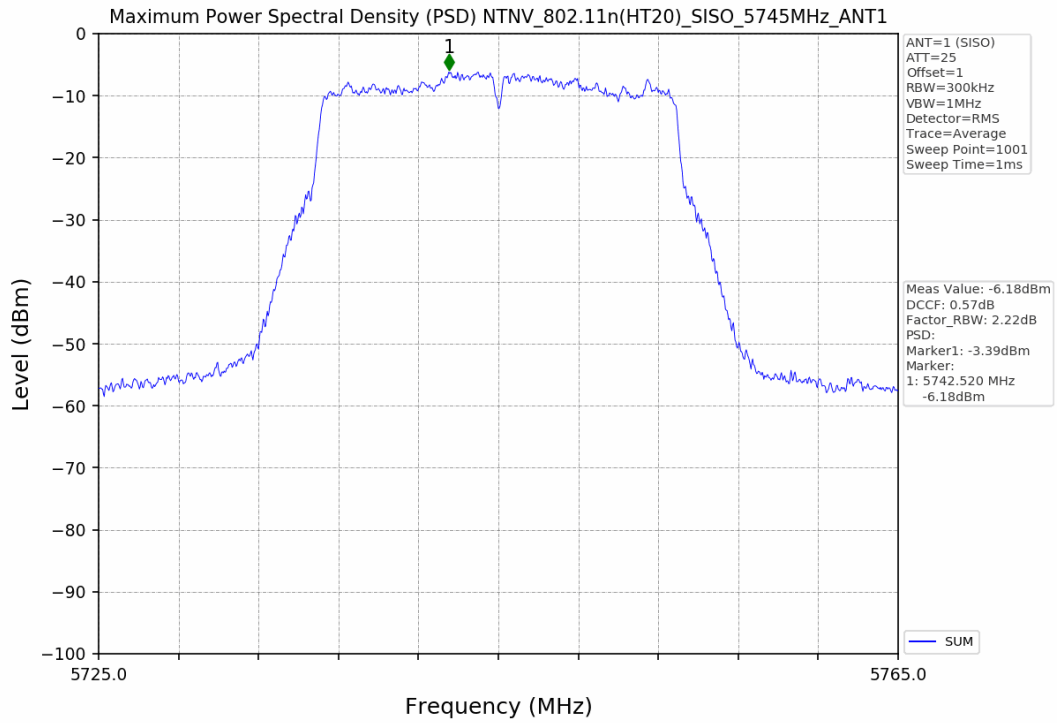
3.1 Test Result

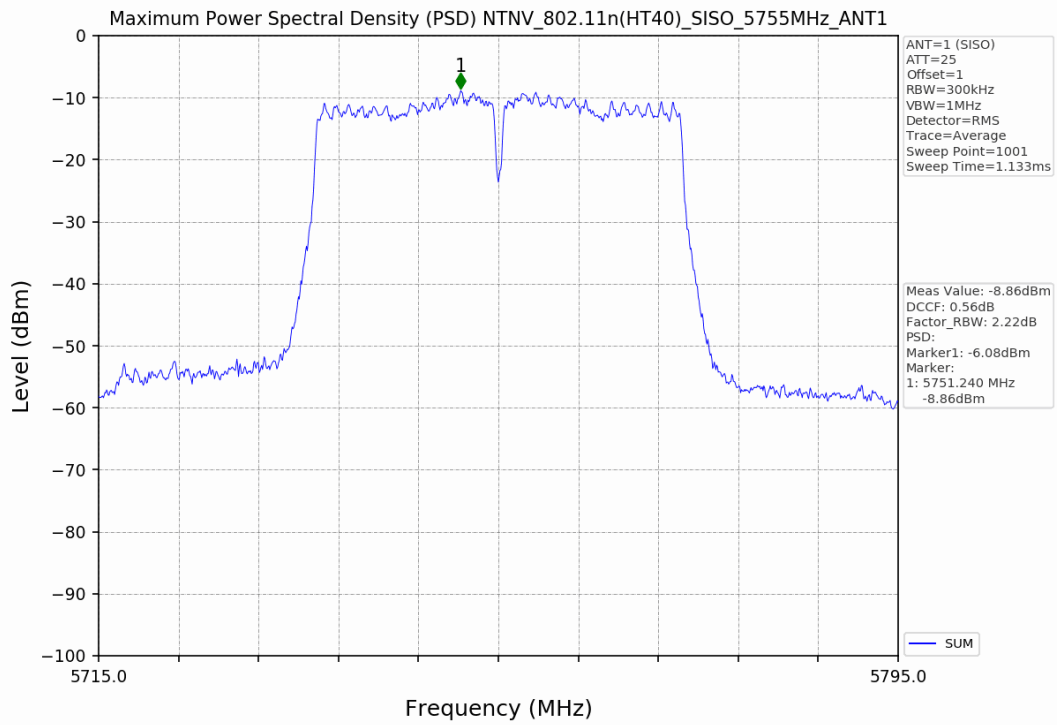
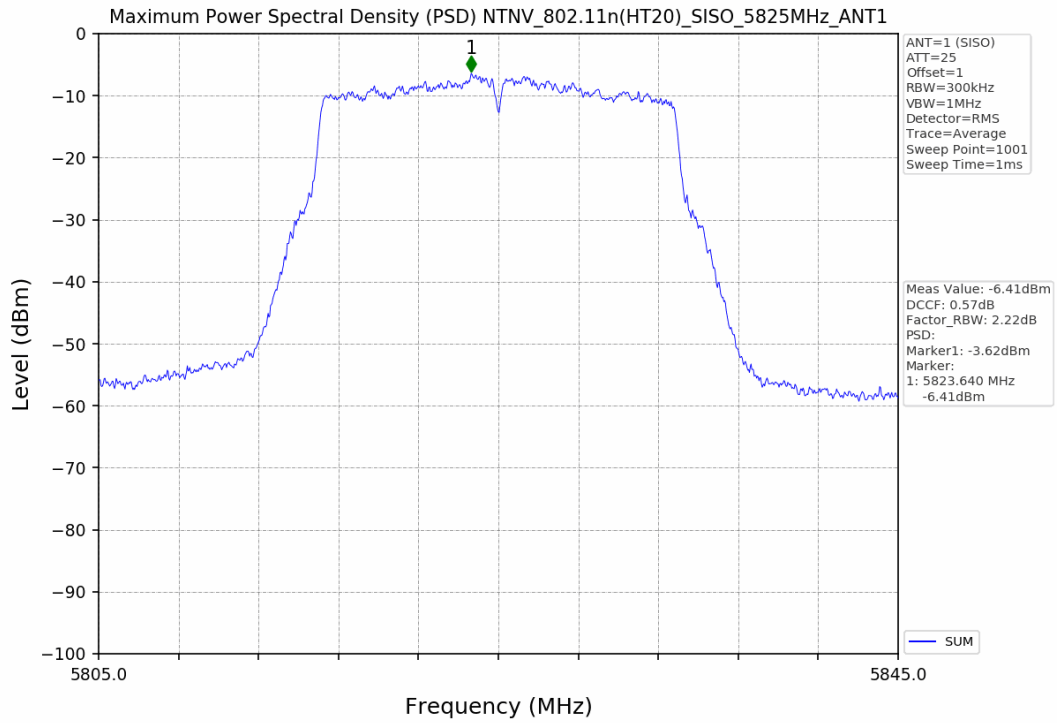
Test Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)		Verdict	
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
802.11a	5745	SISO	-2.30	≤30	PASS
	5785	SISO	-2.83	≤30	PASS
	5825	SISO	-2.69	≤30	PASS
802.11n(HT20)	5745	SISO	-3.39	≤30	PASS
	5785	SISO	-3.62	≤30	PASS
	5825	SISO	-3.62	≤30	PASS
802.11n(HT40)	5755	SISO	-6.08	≤30	PASS
	5795	SISO	-6.24	≤30	PASS
802.11ac(VHT20)	5745	SISO	2.52	≤30	PASS
	5785	SISO	-5.30	≤30	PASS
	5825	SISO	-5.79	≤30	PASS
802.11ac(VHT40)	5755	SISO	-9.78	≤30	PASS
	5795	SISO	-9.72	≤30	PASS
802.11ac(VHT80)	5775	SISO	-5.07	≤30	PASS

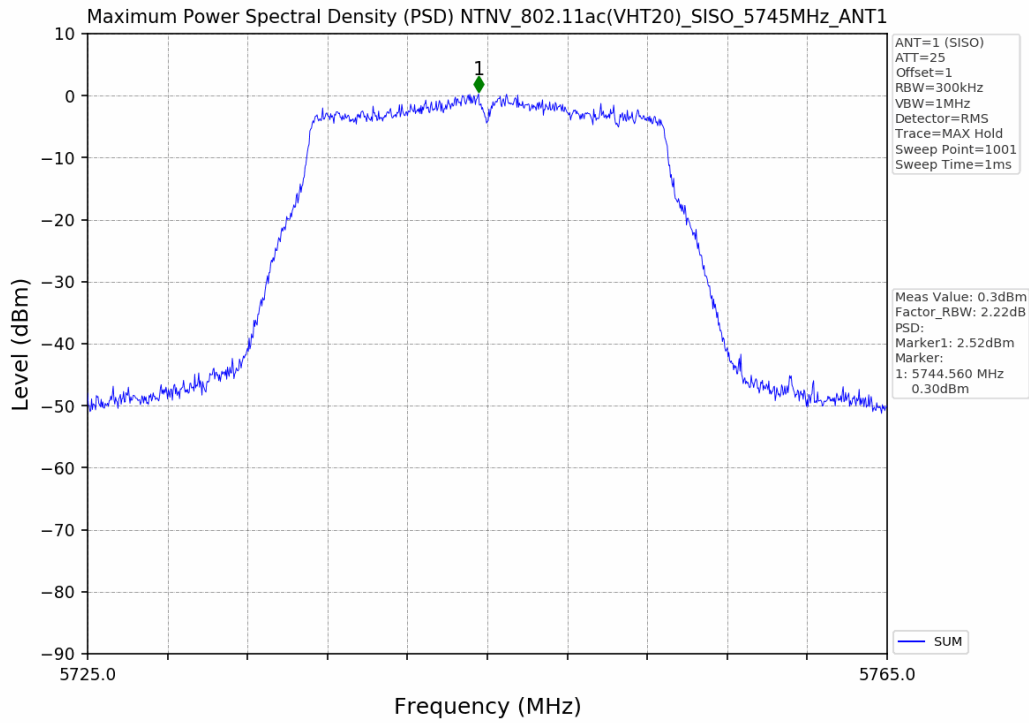
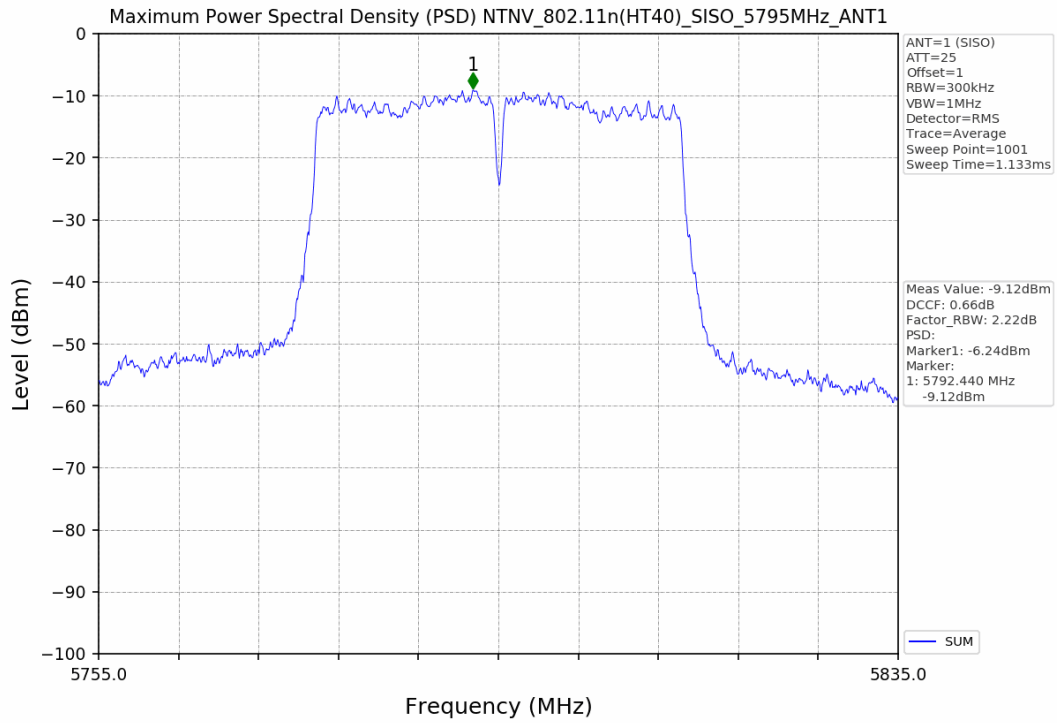
3.2 Test Graph

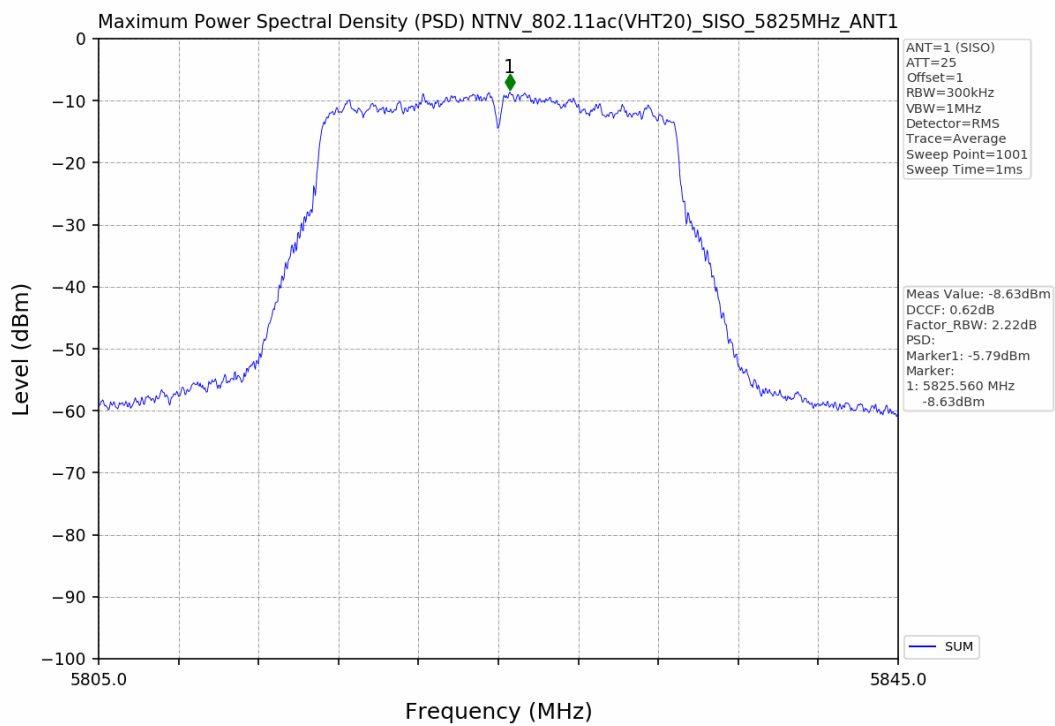
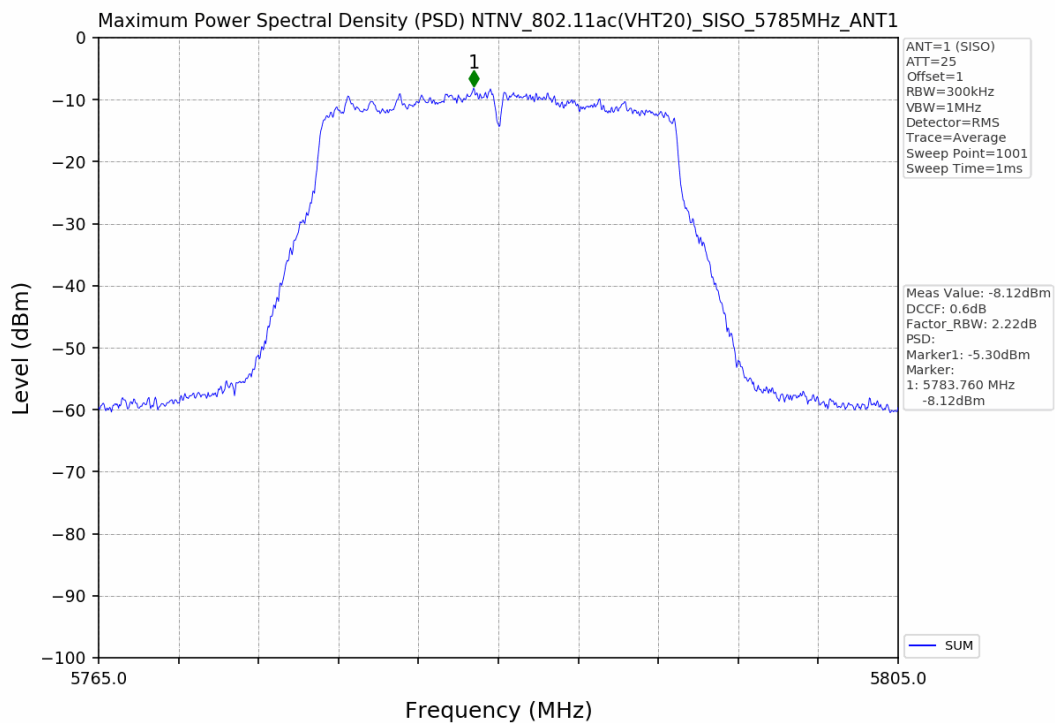


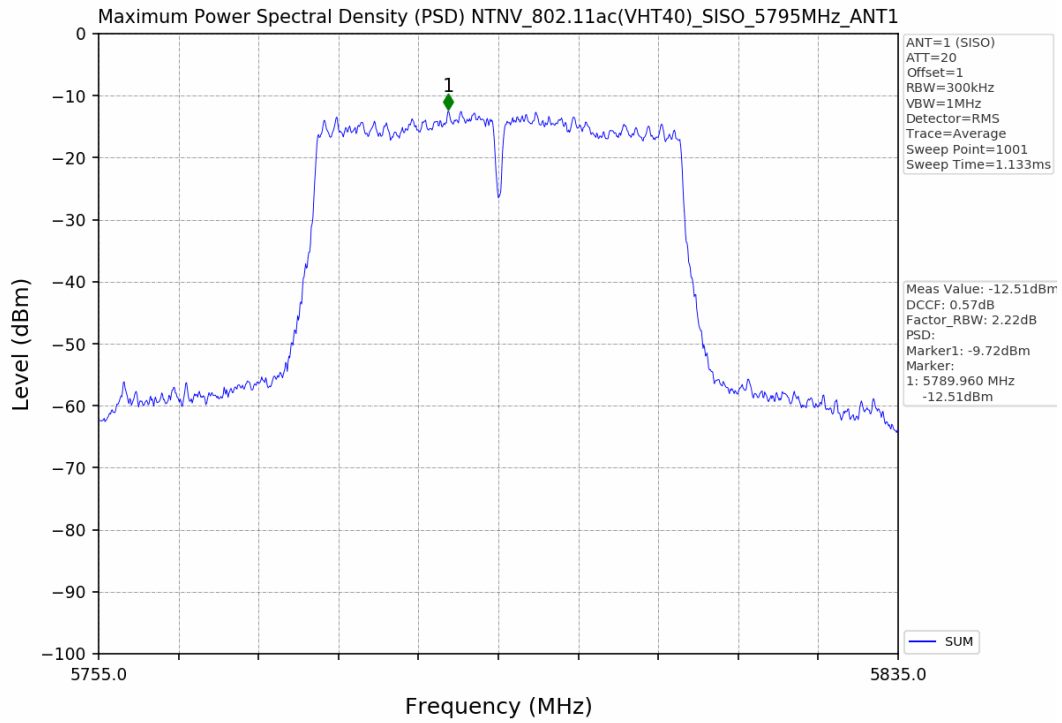
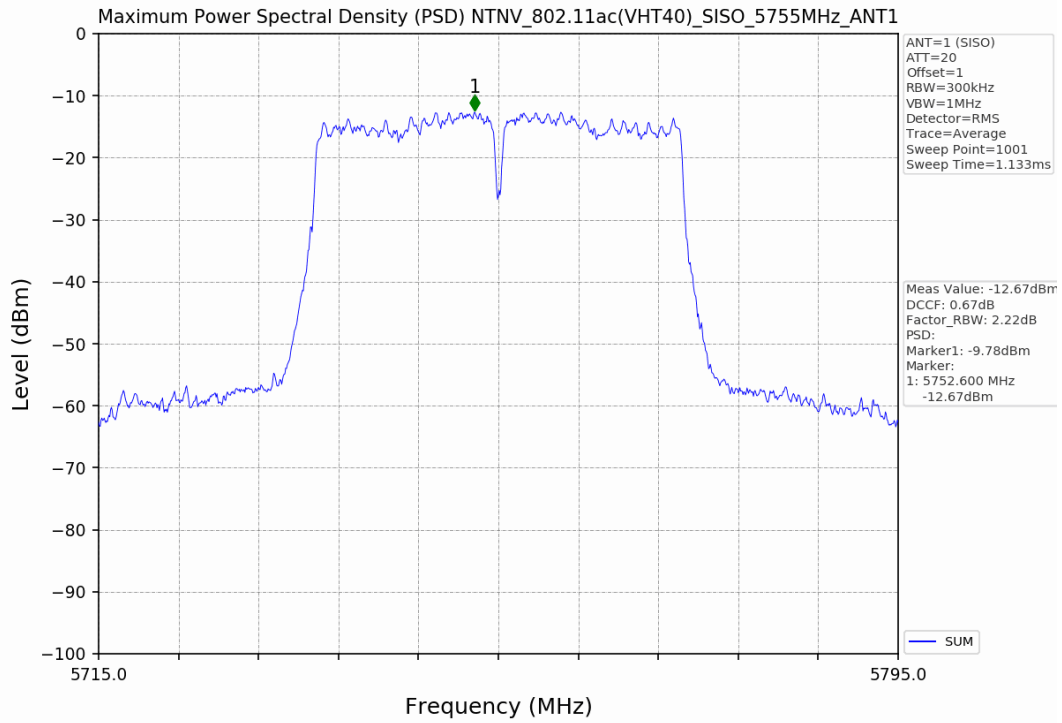


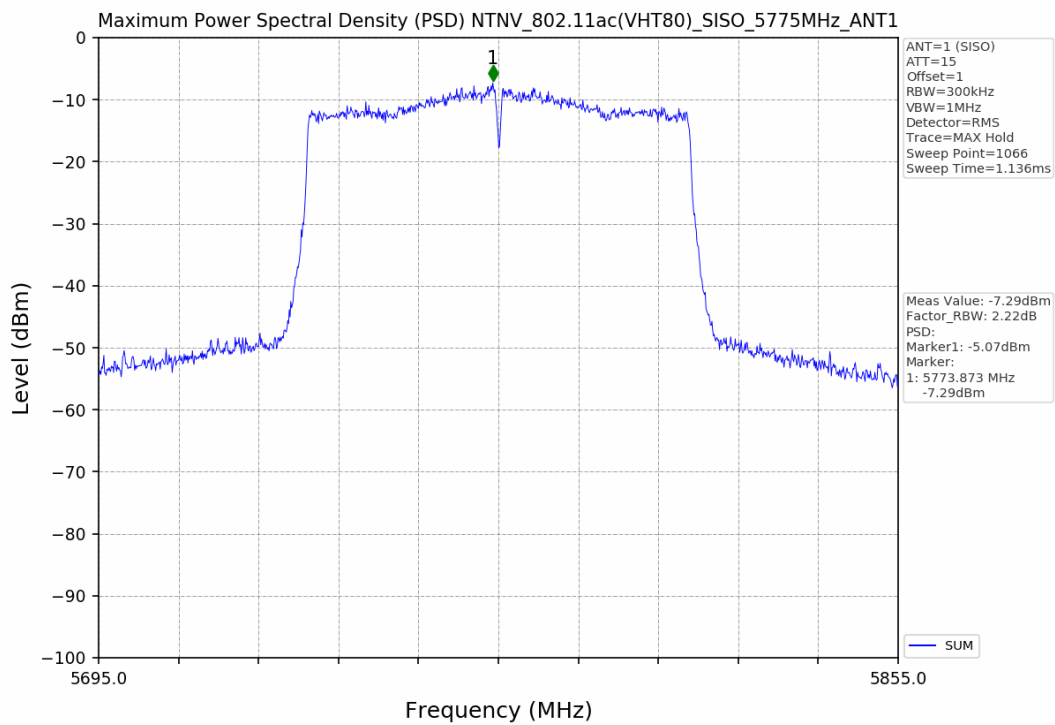












4. Frequency Stability

4.1 Test Result

Reference Frequency: 802.11a channel=149 frequency=5745MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.0	-30	69.8	13.42	Within the band of operation	Pass
	-20	61.0	11.75		
	-10	76.6	14.68		
	0	83.2	16.02		
	10	72.3	13.85		
	20	71.1	13.74		
	30	81.6	15.72		
	40	99.5	19.18		
	50	65.6	12.61		
5.5	25	68.0	13.10	Within the band of operation	Pass
4.5	25	93.7	16.02		