

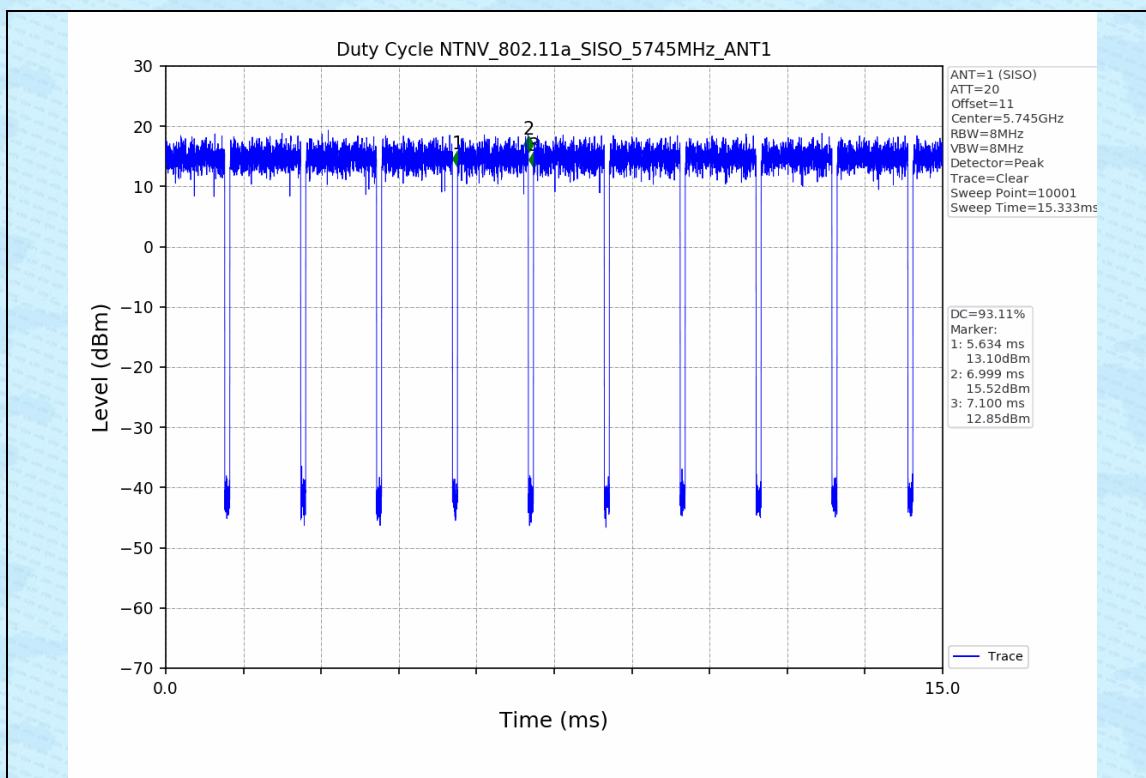
Appendix for 15.407

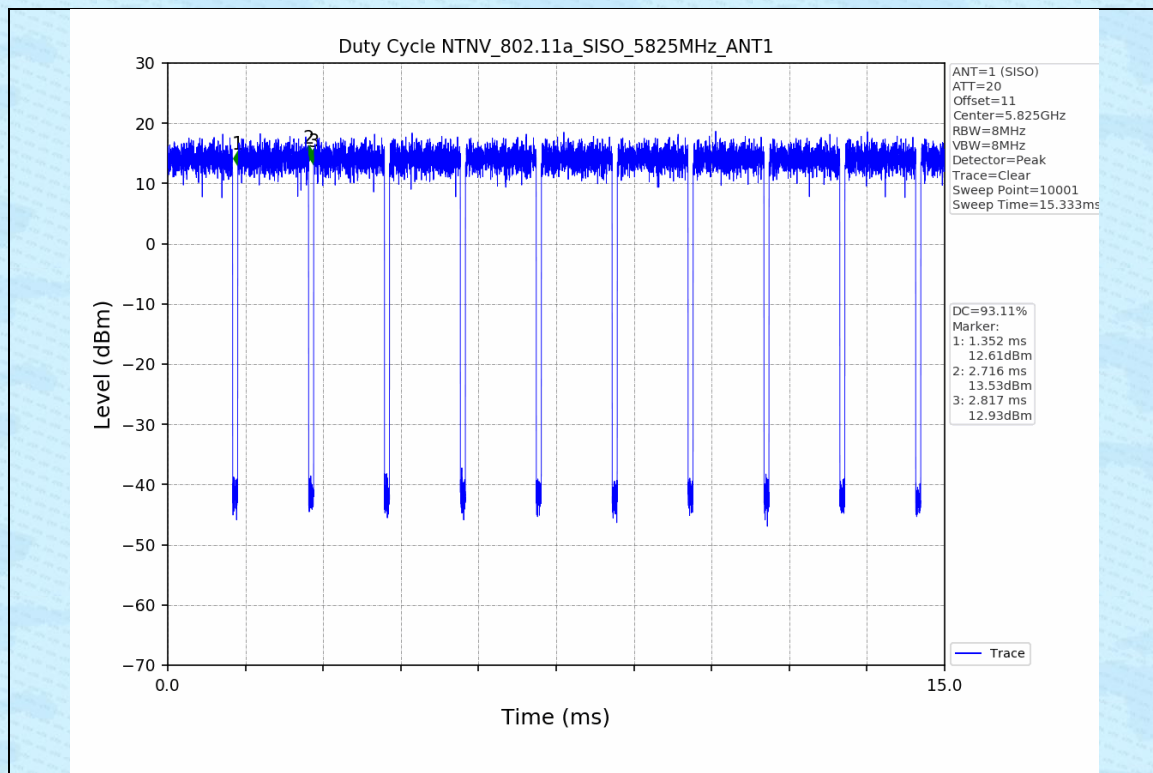
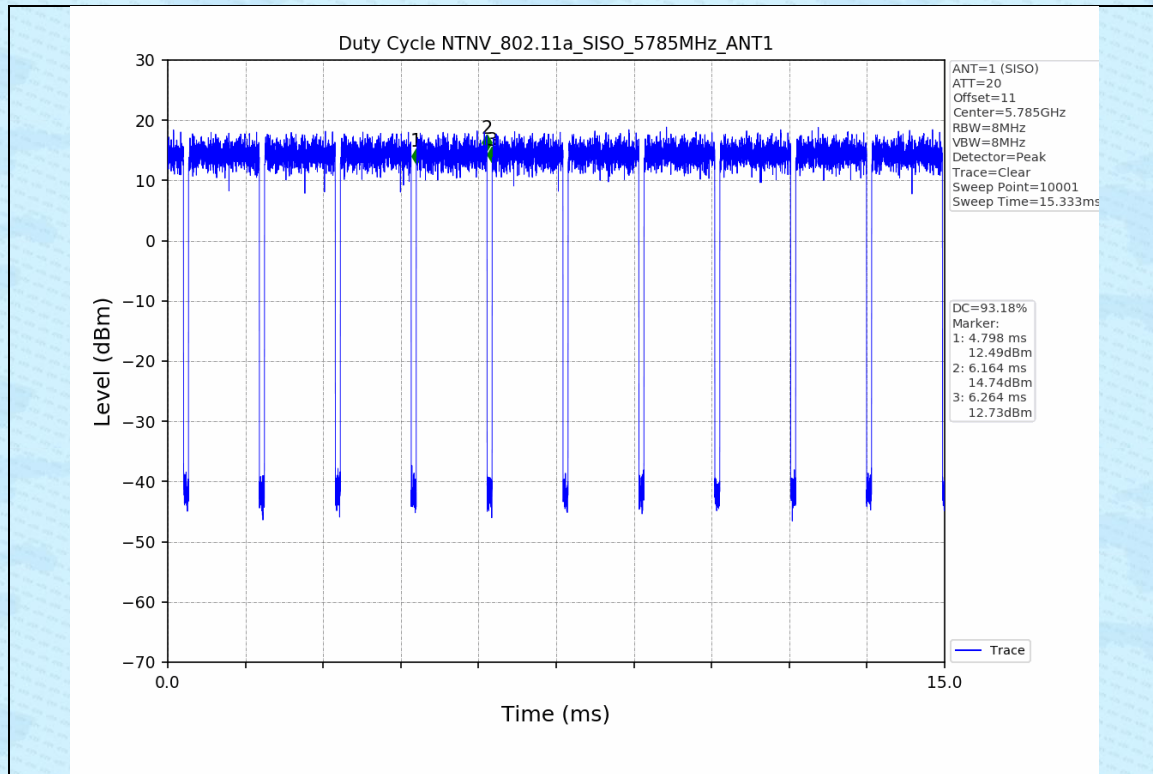
1. Duty Cycle

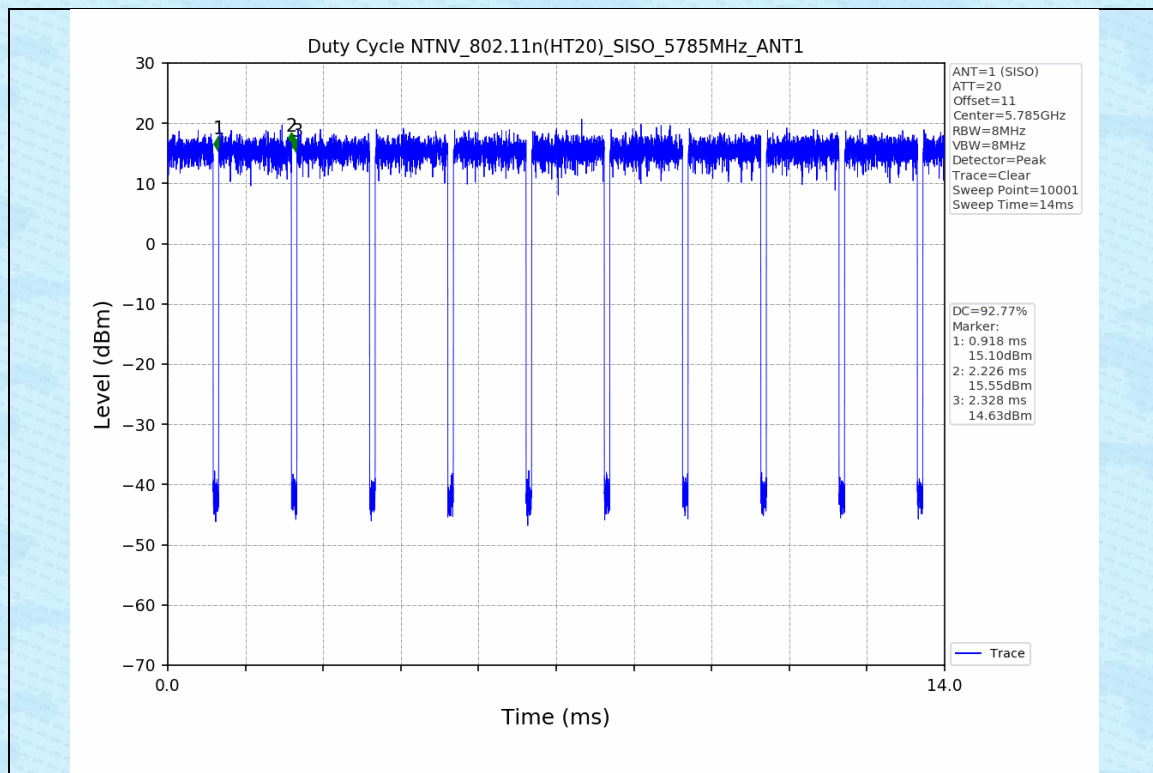
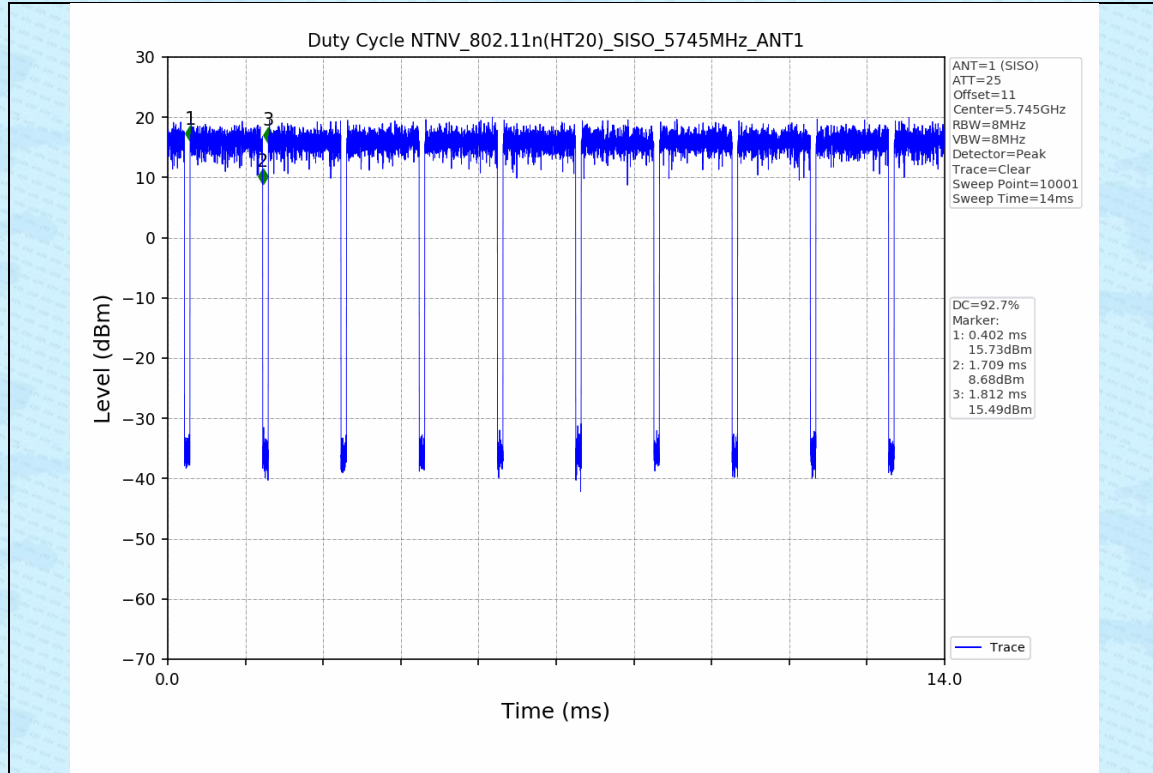
1.1 Test Result

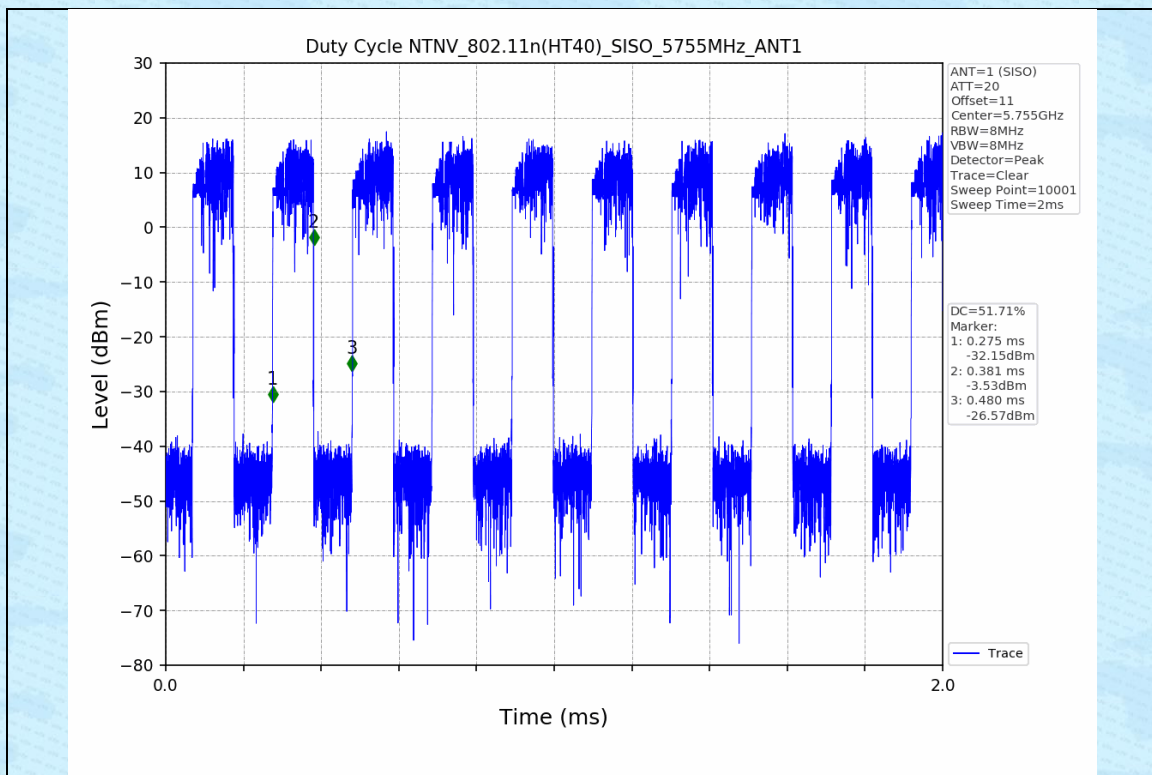
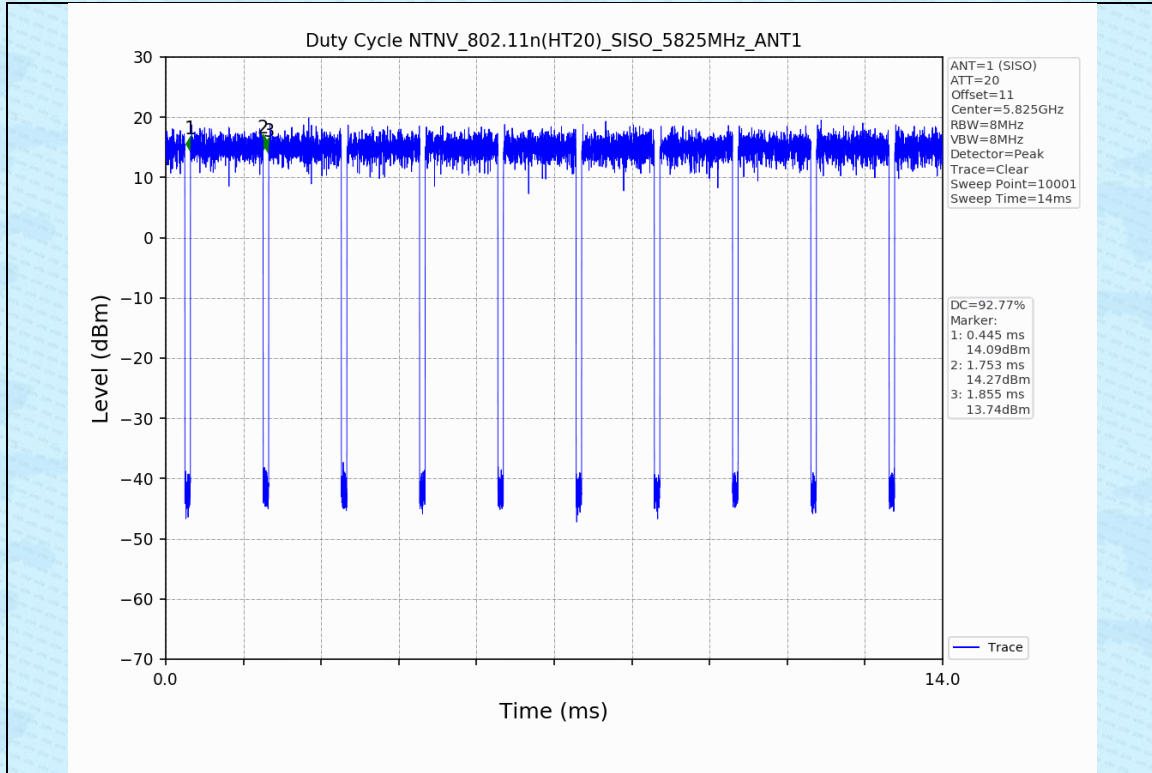
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5745	SISO	1	1.365	1.466	93.11	0.31
	5785	SISO	1	1.366	1.466	93.18	0.31
	5825	SISO	1	1.364	1.465	93.11	0.31
802.11n(HT20)	5745	SISO	1	1.307	1.410	92.70	0.33
	5785	SISO	1	1.308	1.410	92.77	0.33
	5825	SISO	1	1.308	1.410	92.77	0.33
802.11n(HT40)	5755	SISO	1	0.106	0.205	51.71	2.86
	5795	SISO	1	0.106	0.205	51.71	2.86
802.11ac(VHT20)	5745	SISO	1	0.360	0.462	77.92	1.08
	5785	SISO	1	0.359	0.461	77.87	1.09
	5825	SISO	1	0.360	0.462	77.92	1.08
802.11ac(VHT40)	5755	SISO	1	0.656	0.758	86.54	0.63
	5795	SISO	1	0.656	0.759	86.43	0.63
802.11ac(VHT80)	5775	SISO	1	0.324	0.426	76.06	1.19

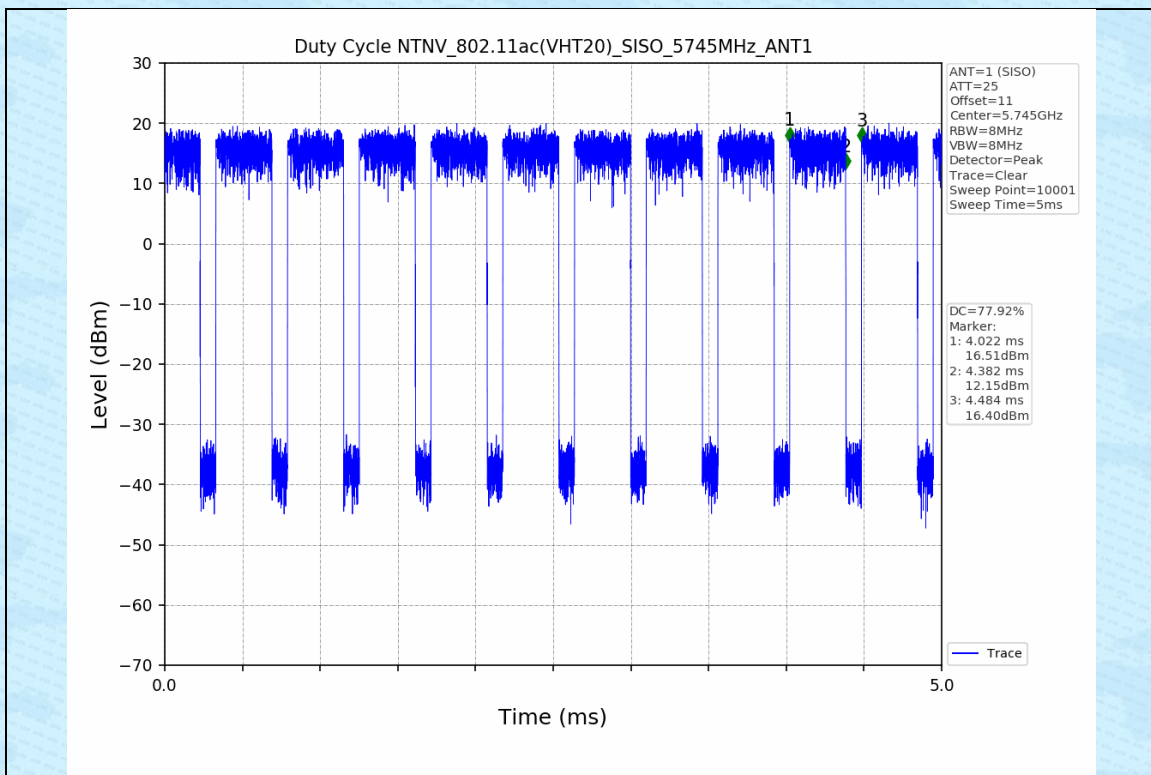
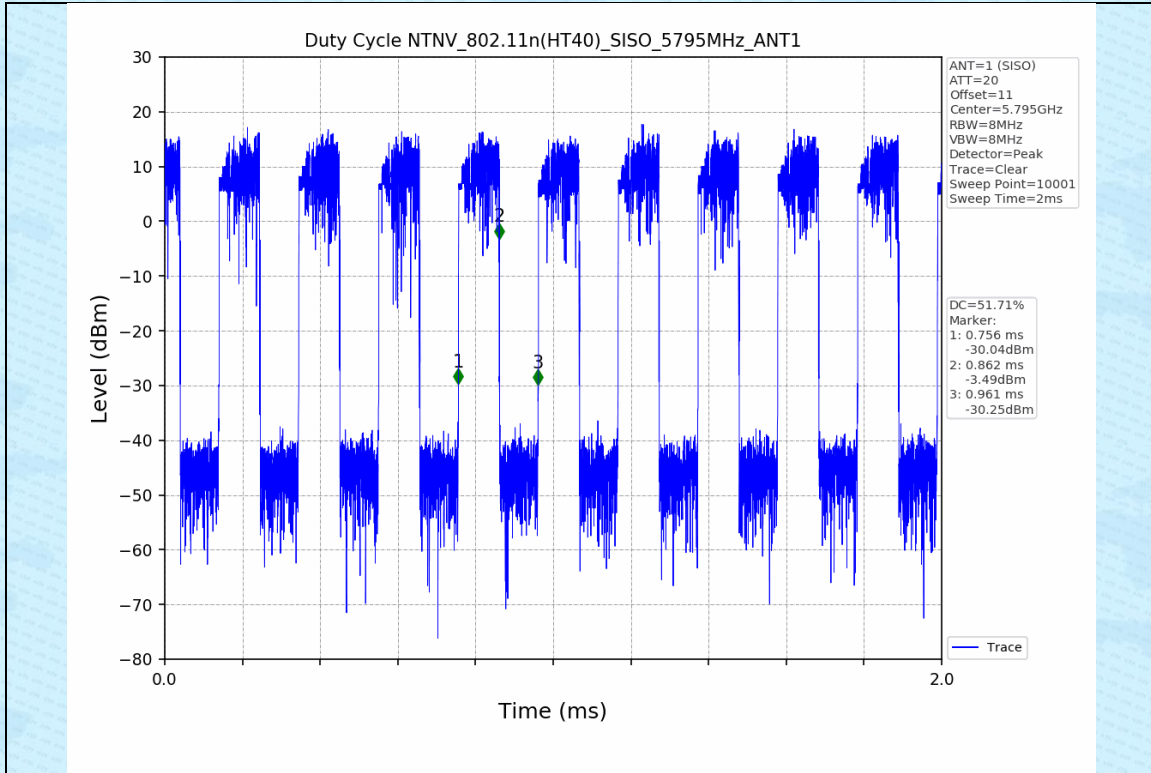
1.2 Test Graph

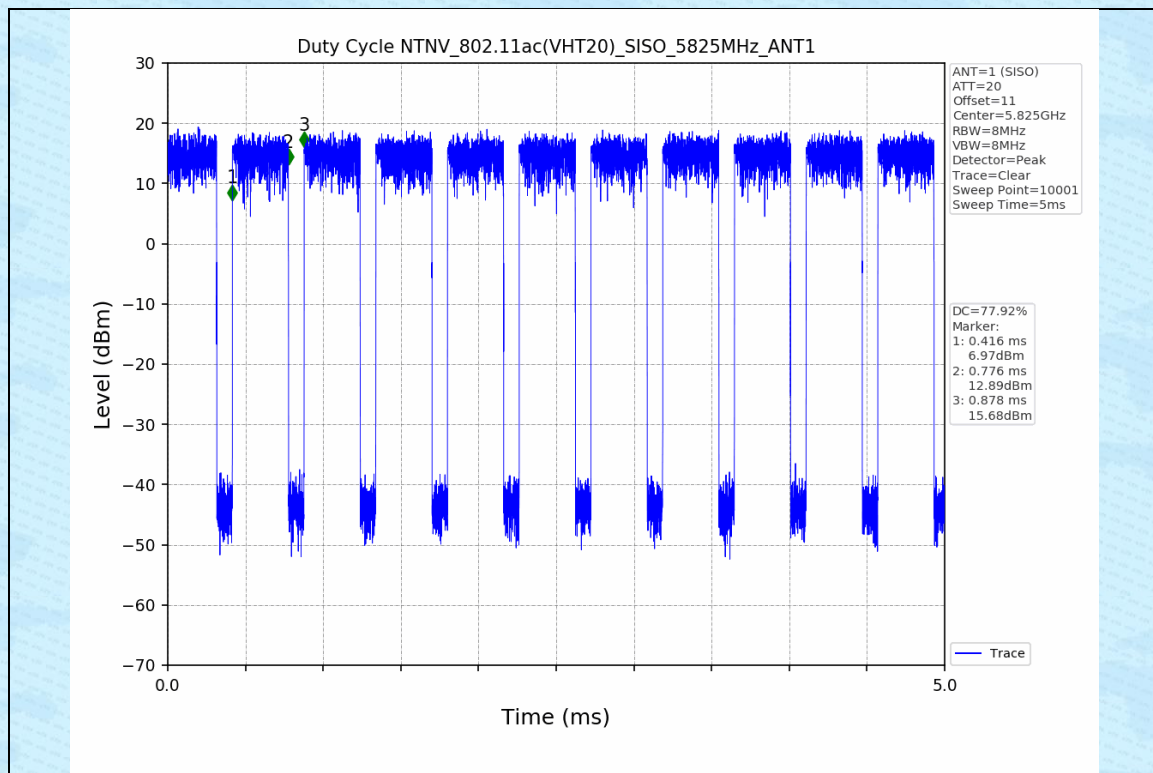
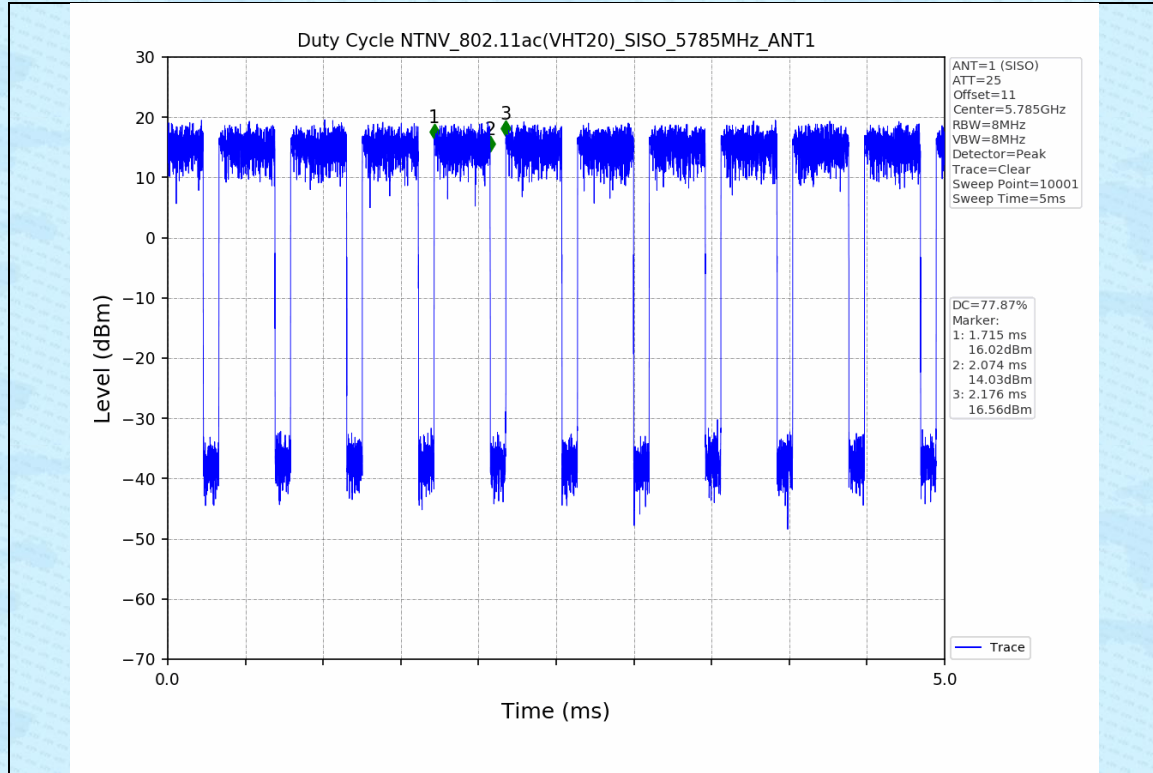


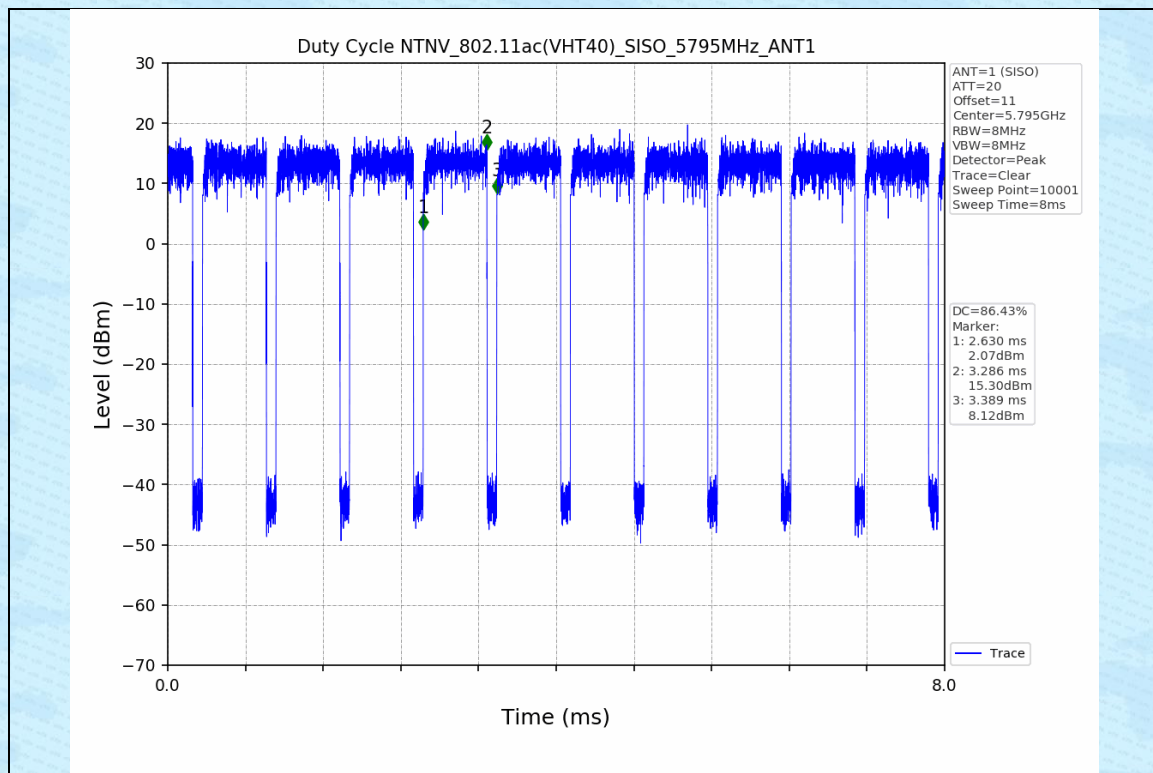
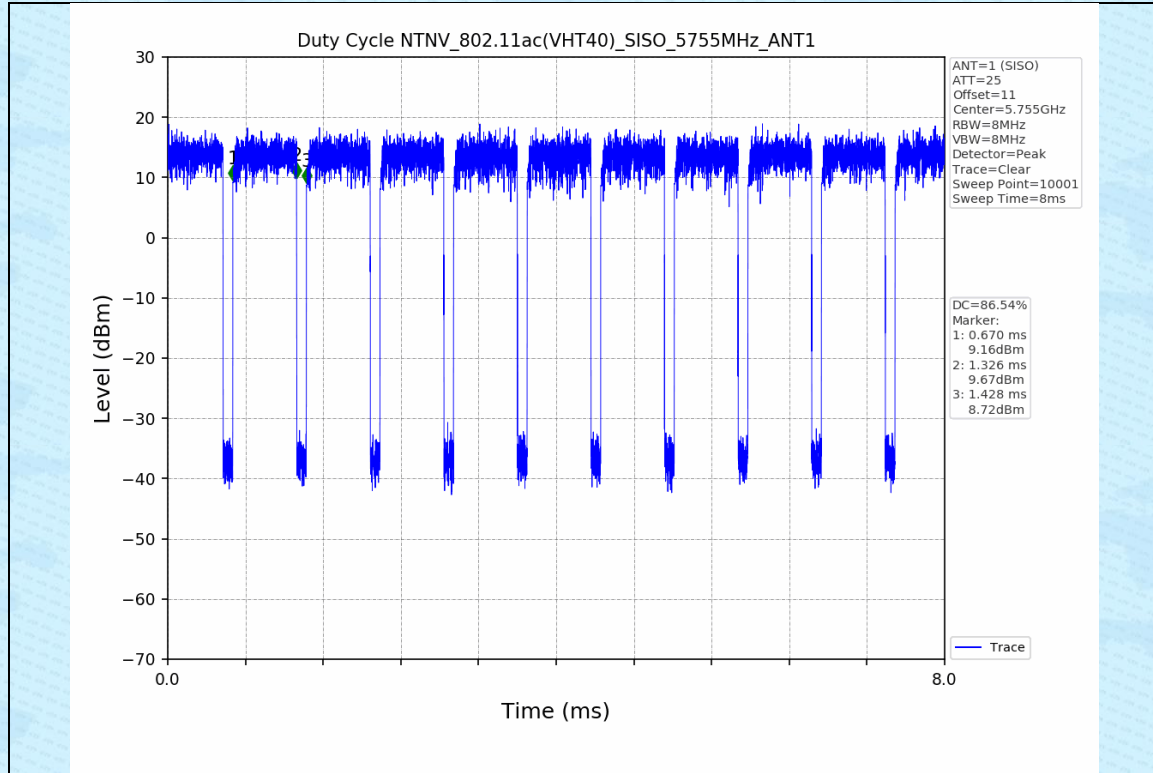


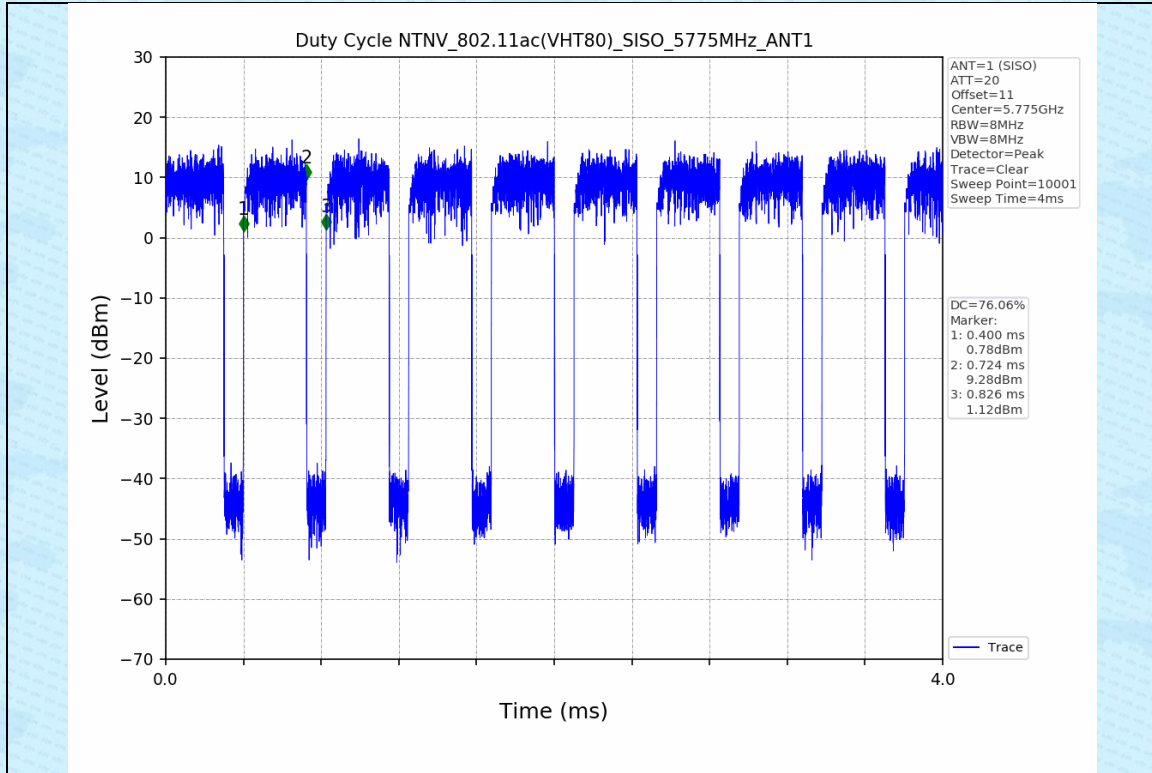












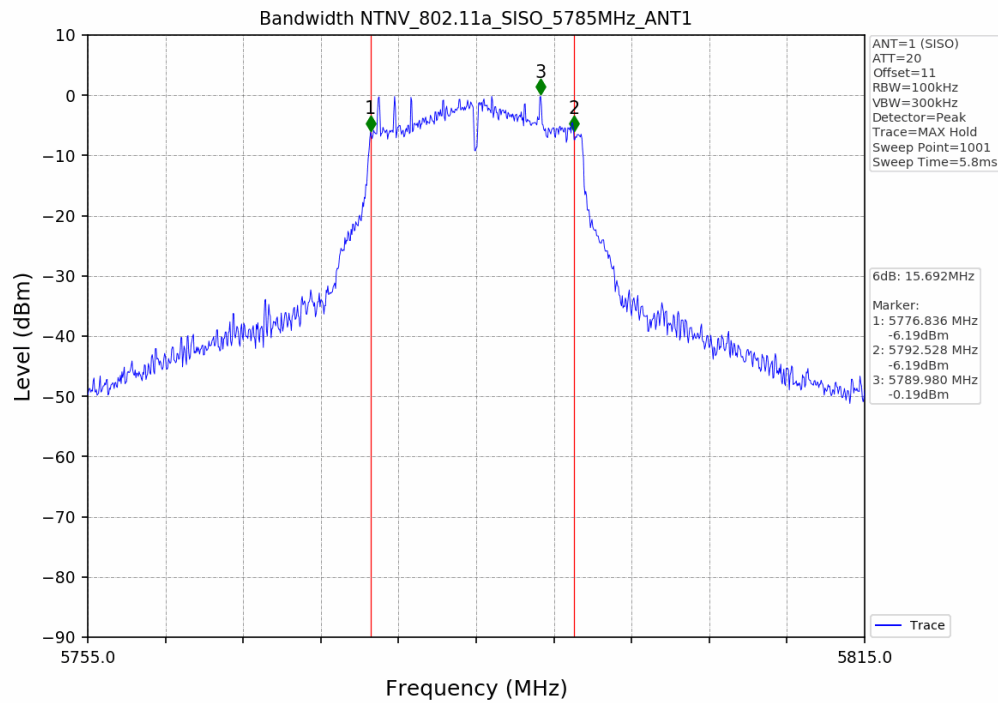
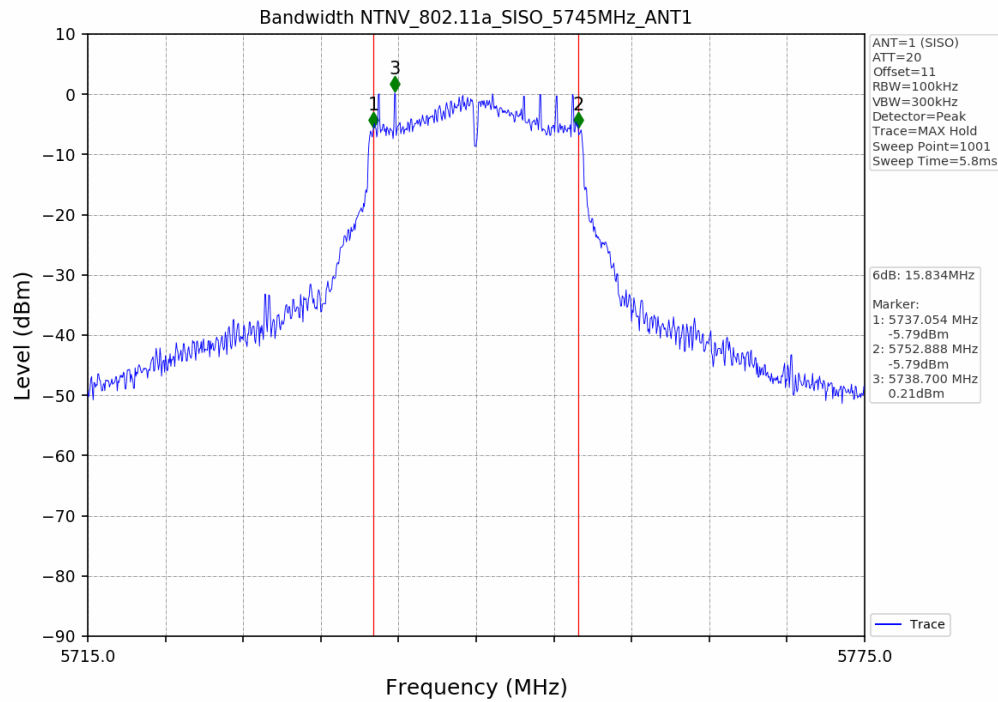
2. Bandwidth

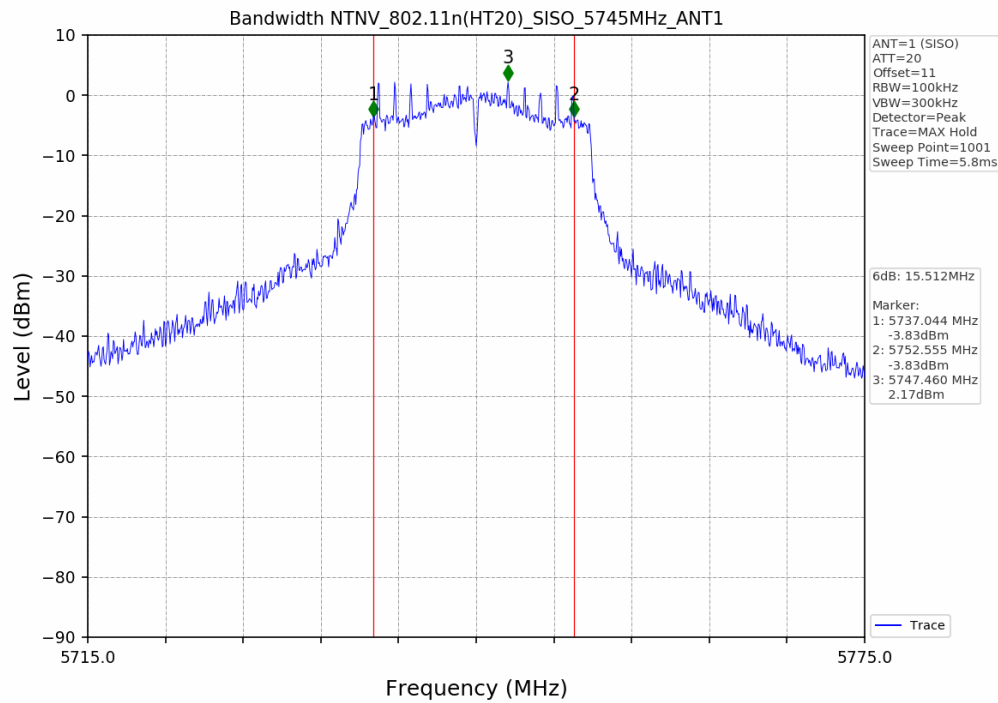
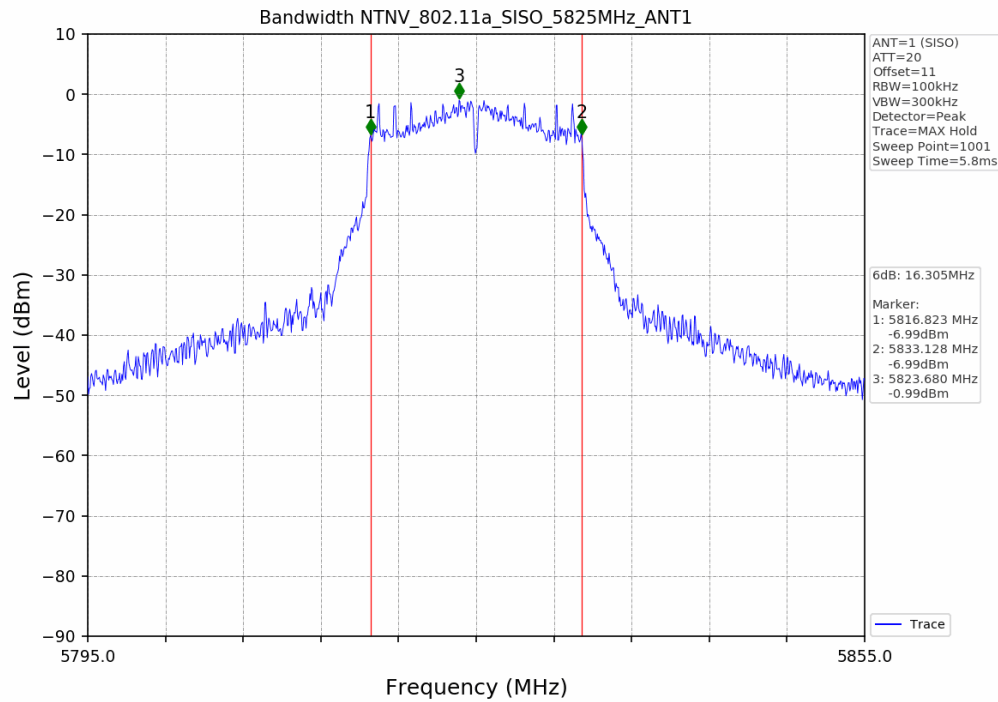
2.1 Test Result

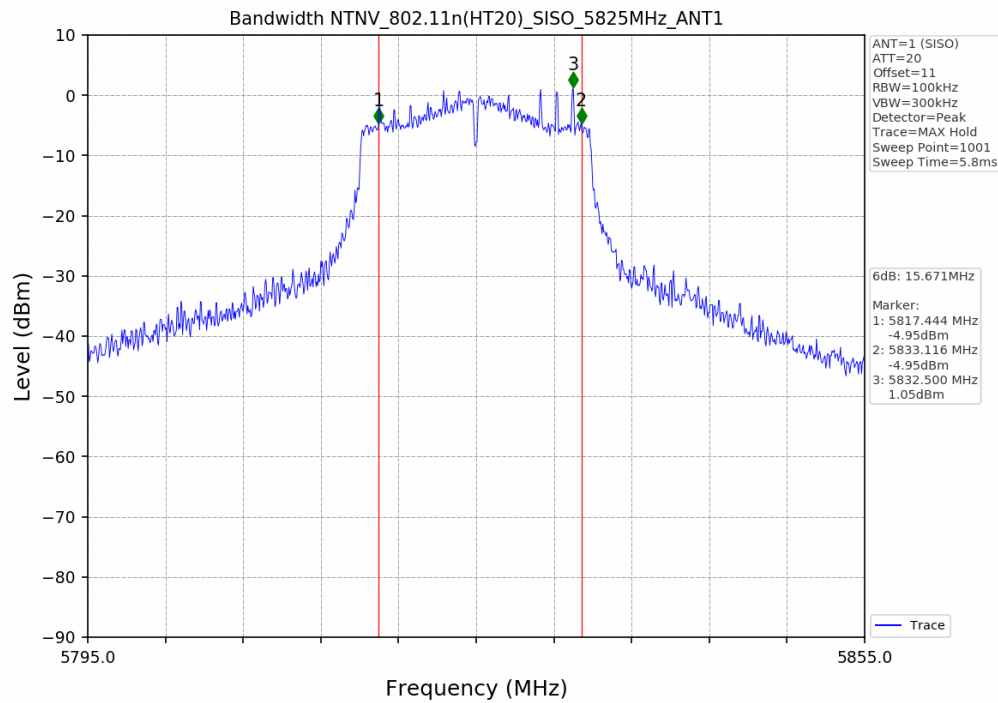
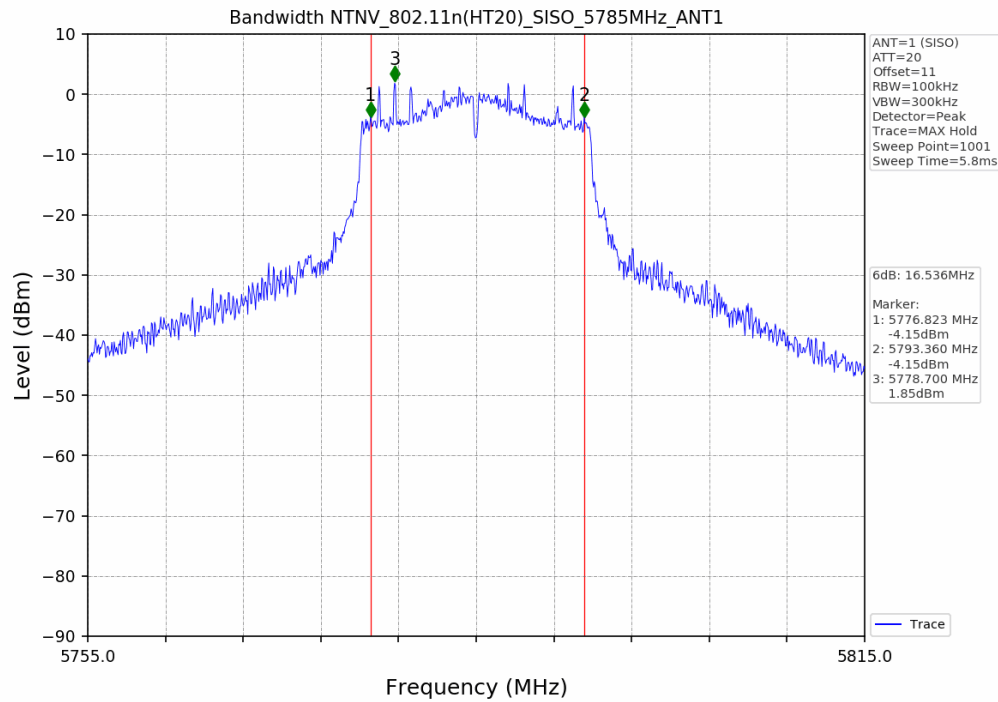
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	15.834	≥0.5	PASS
	5785	SISO	1	15.692	≥0.5	PASS
	5825	SISO	1	16.305	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	15.512	≥0.5	PASS
	5785	SISO	1	16.536	≥0.5	PASS
	5825	SISO	1	15.671	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.850	≥0.5	PASS
	5795	SISO	1	36.376	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	16.087	≥0.5	PASS
	5785	SISO	1	17.055	≥0.5	PASS
	5825	SISO	1	17.249	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.380	≥0.5	PASS
	5795	SISO	1	35.380	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.474	≥0.5	PASS

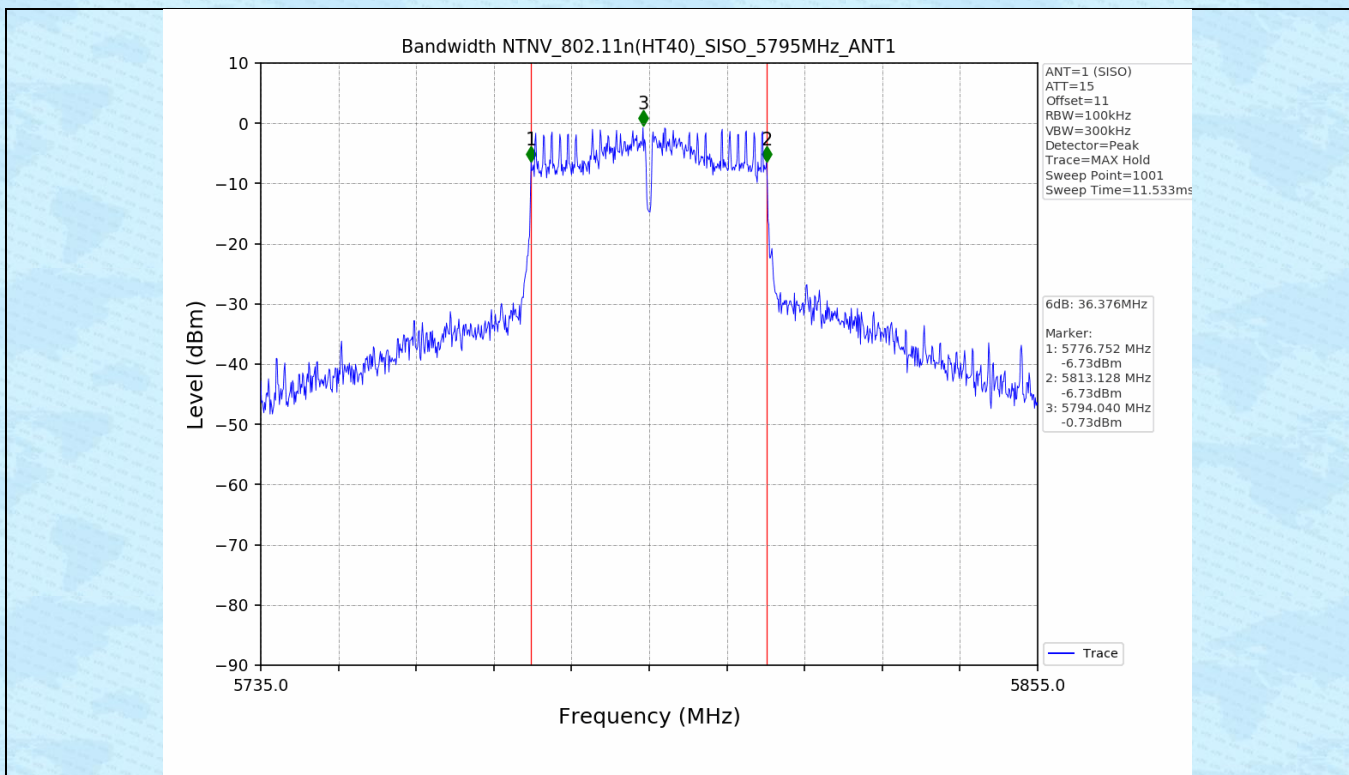
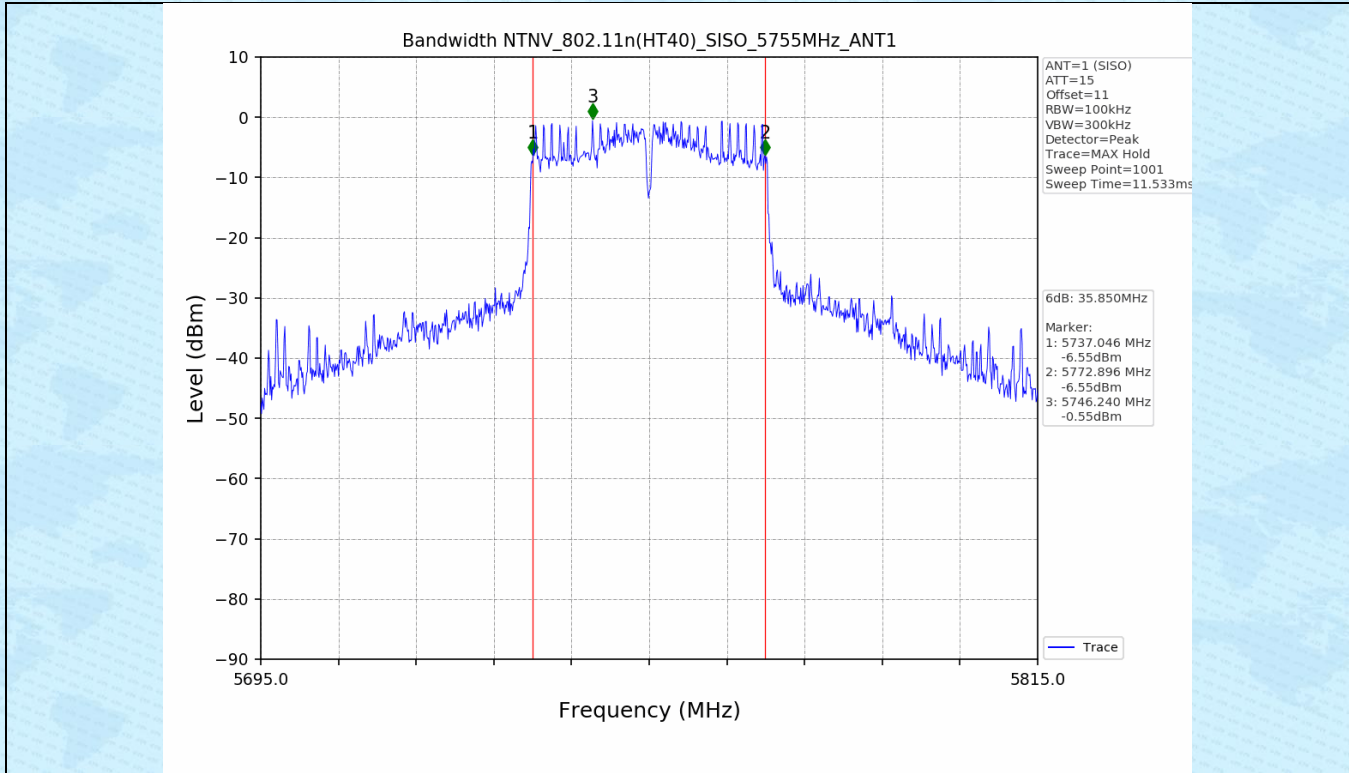
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.825	Only for Report Use
	5785	SISO	1	16.873	Only for Report Use
	5825	SISO	1	16.820	Only for Report Use
802.11n(HT20)	5745	SISO	1	18.034	Only for Report Use
	5785	SISO	1	18.066	Only for Report Use
	5825	SISO	1	18.027	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.854	Only for Report Use
	5795	SISO	1	36.678	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	18.027	Only for Report Use
	5785	SISO	1	18.135	Only for Report Use
	5825	SISO	1	18.054	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	37.127	Only for Report Use
	5795	SISO	1	37.232	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	76.075	Only for Report Use

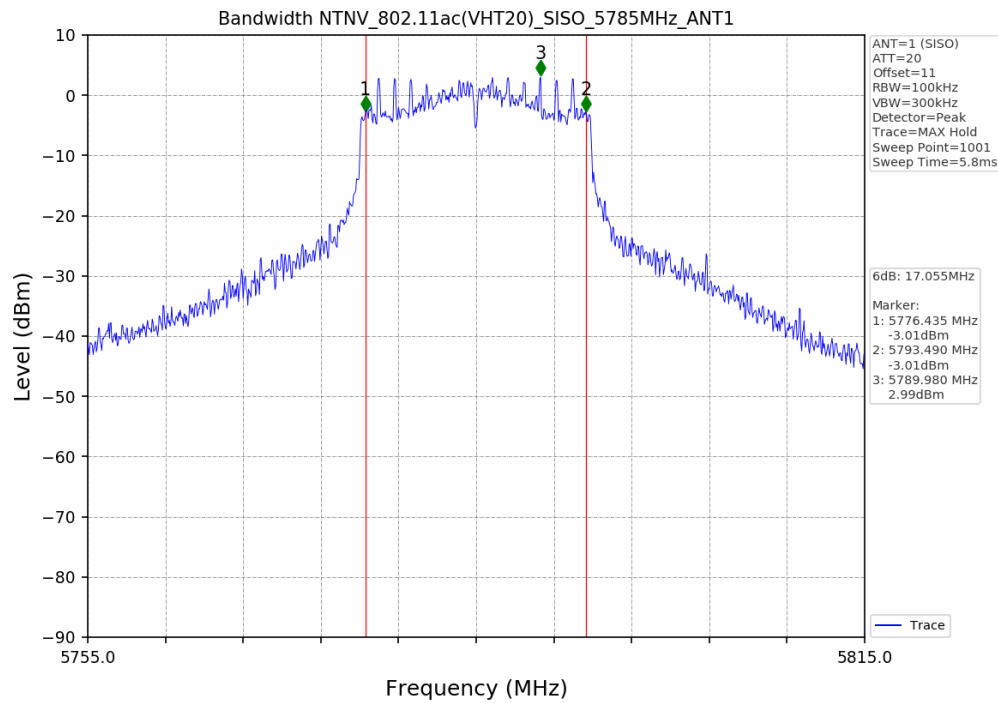
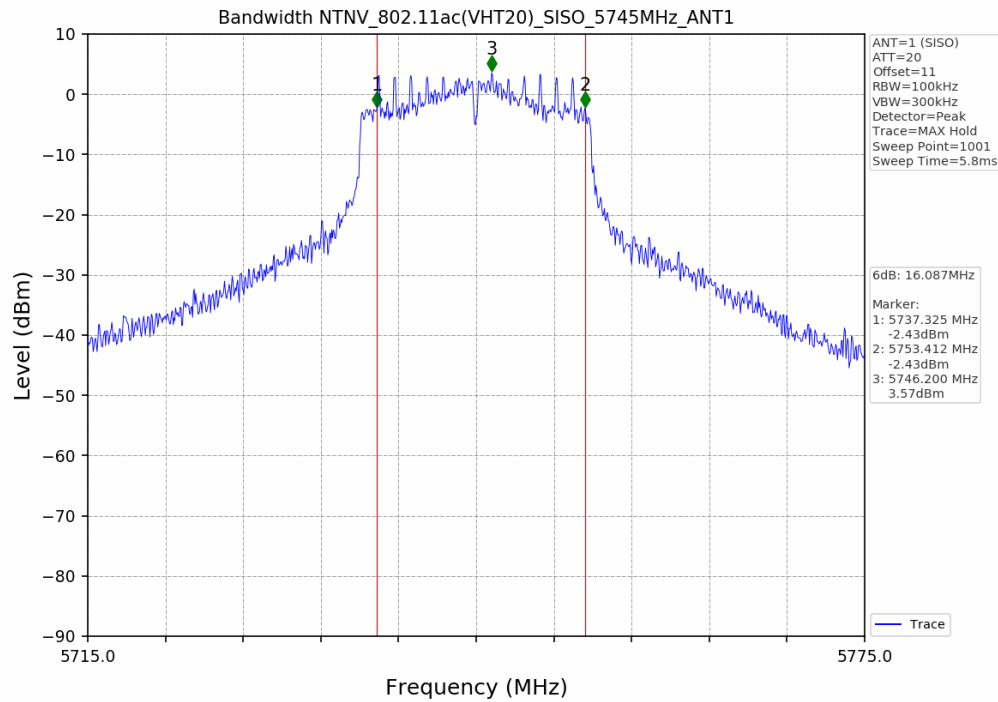
2.2 Test Graph - Emission Bandwidth

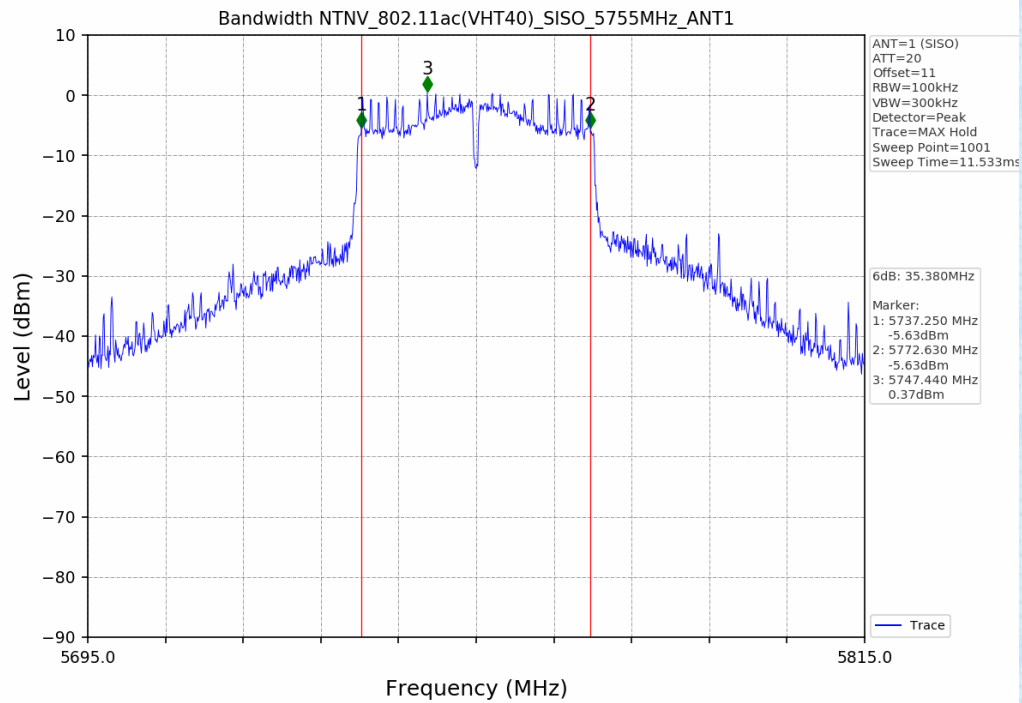
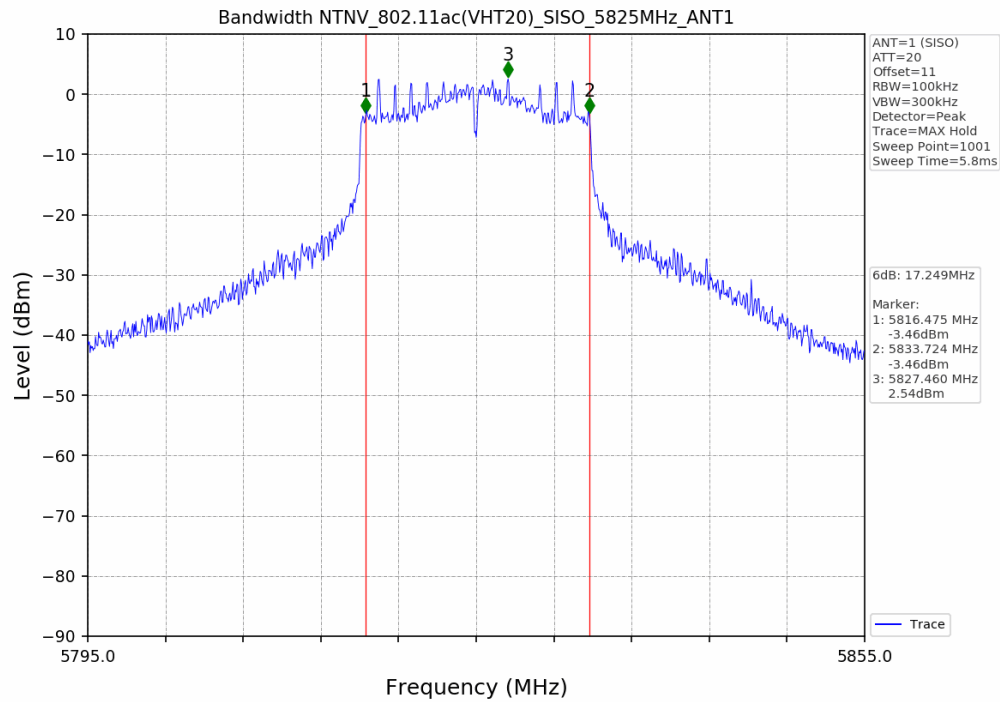


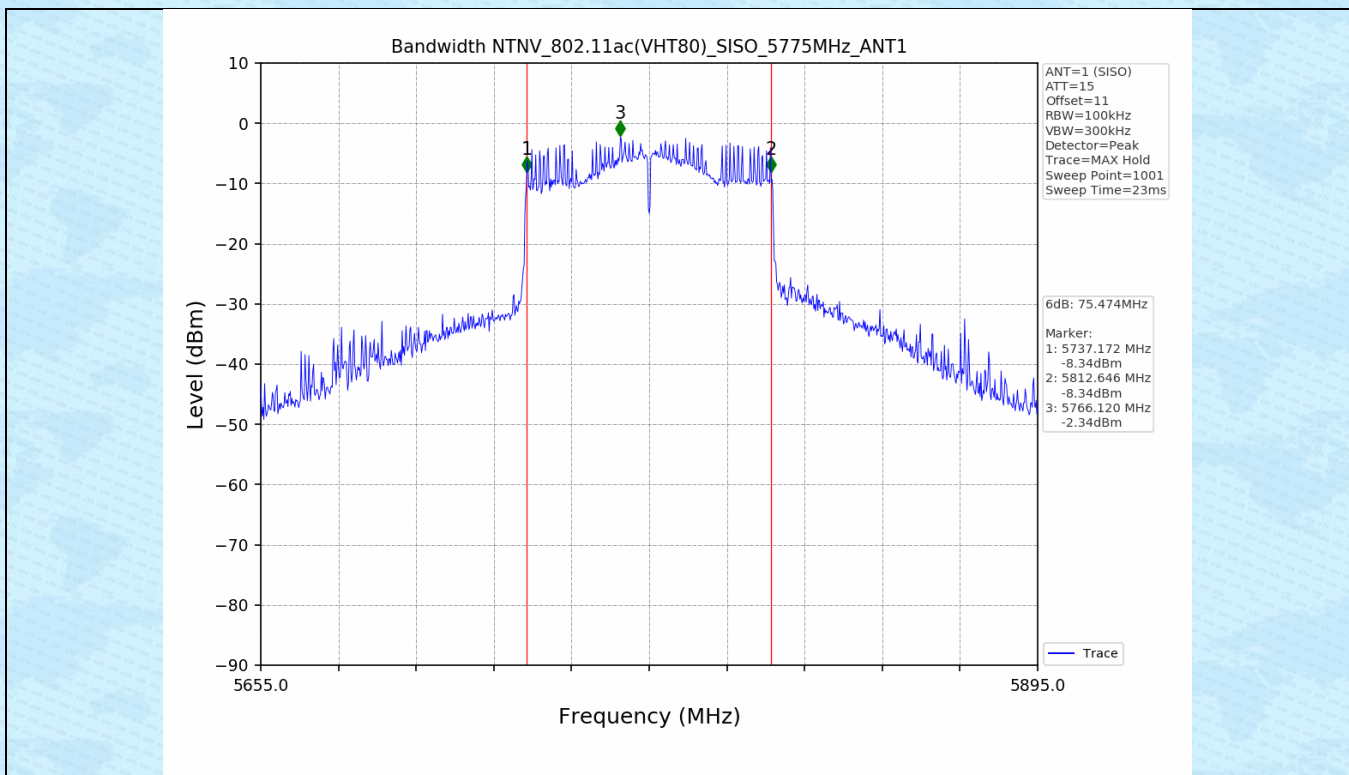
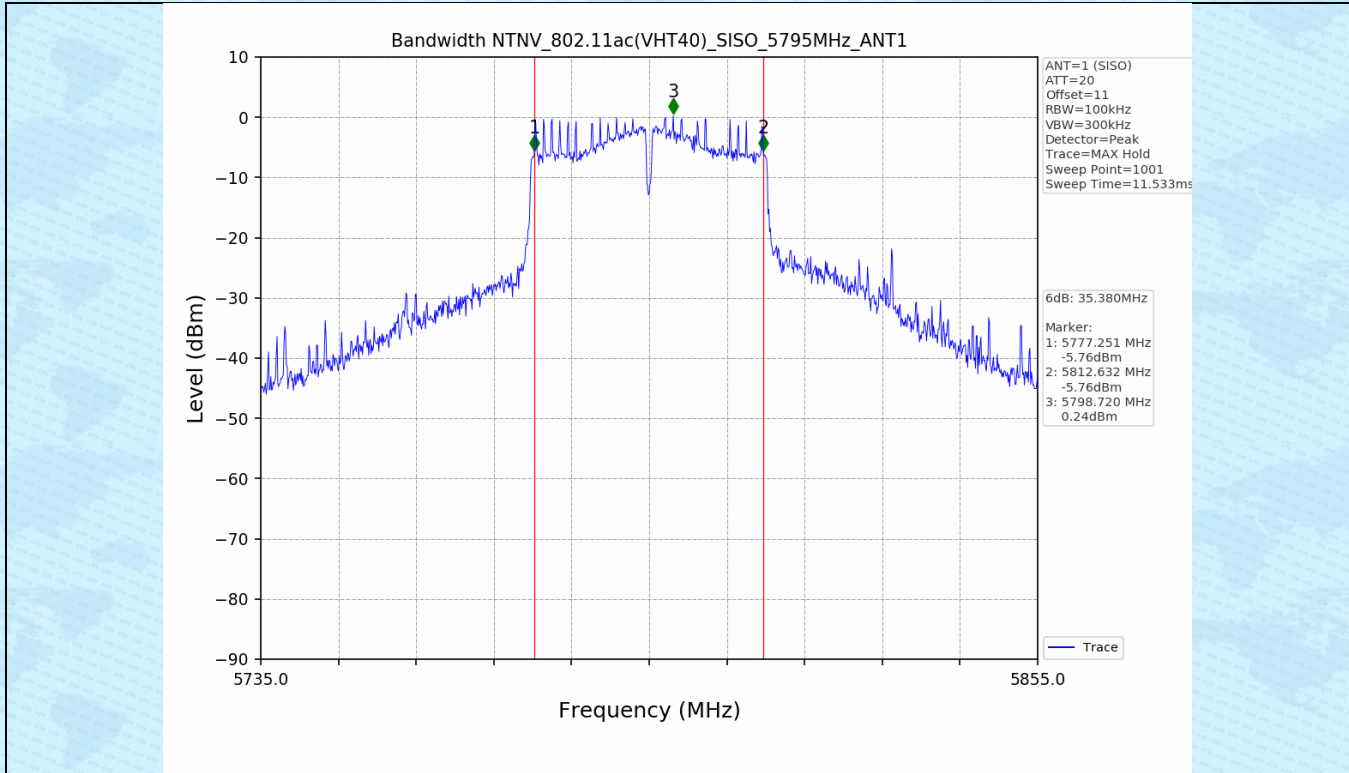




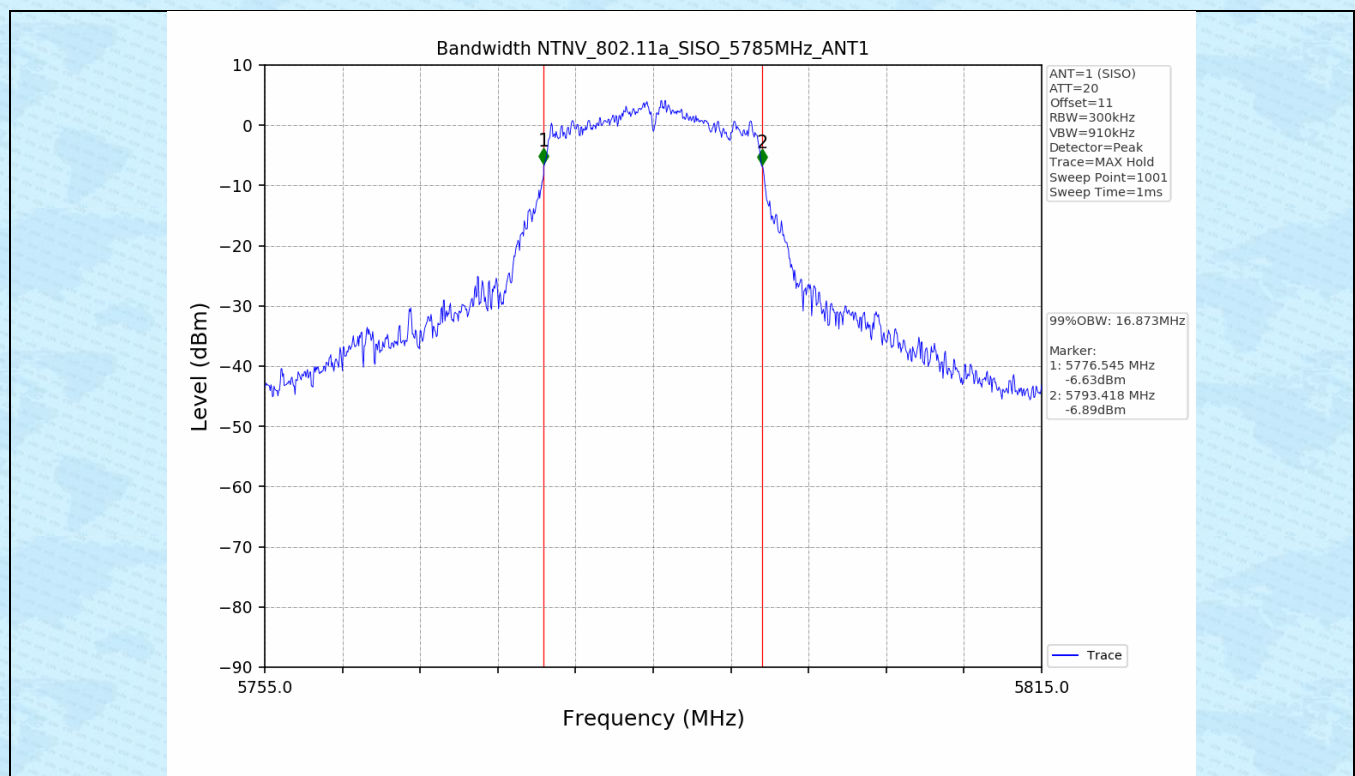
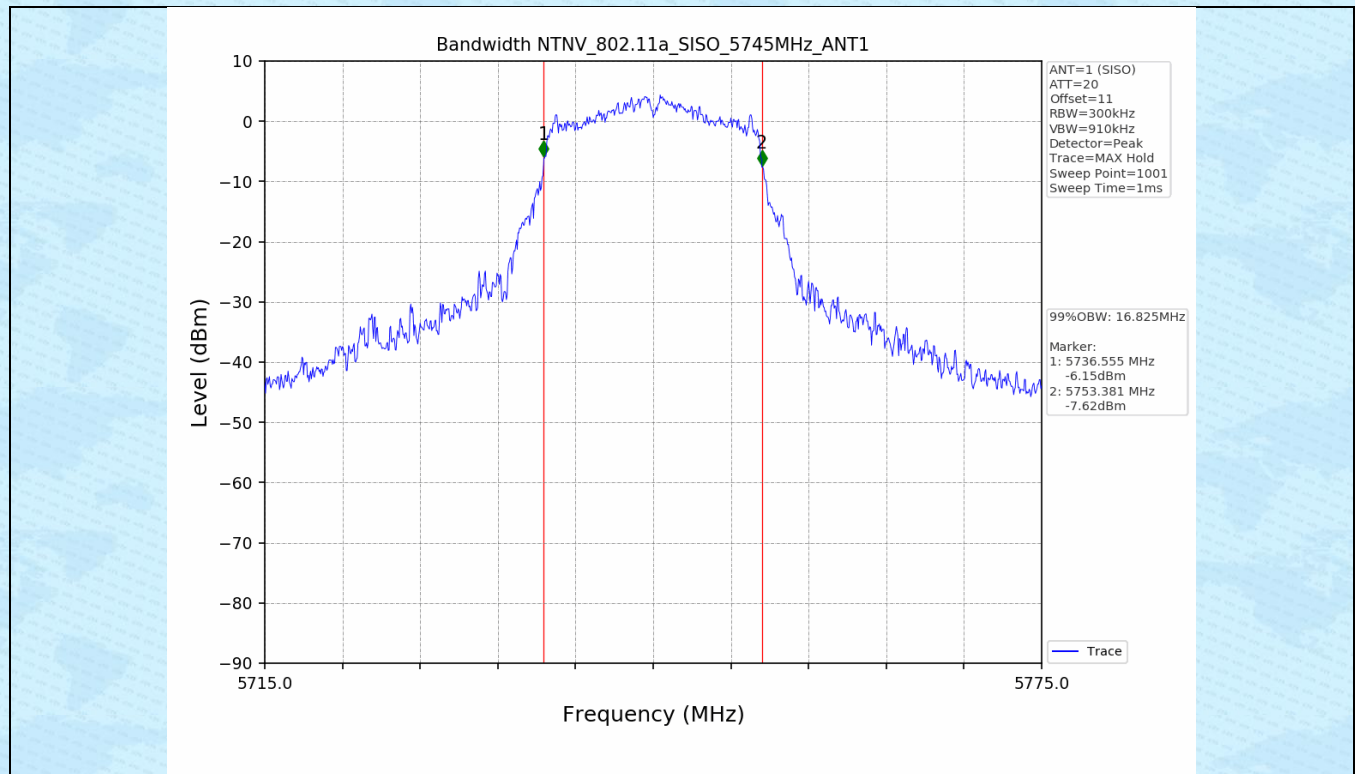


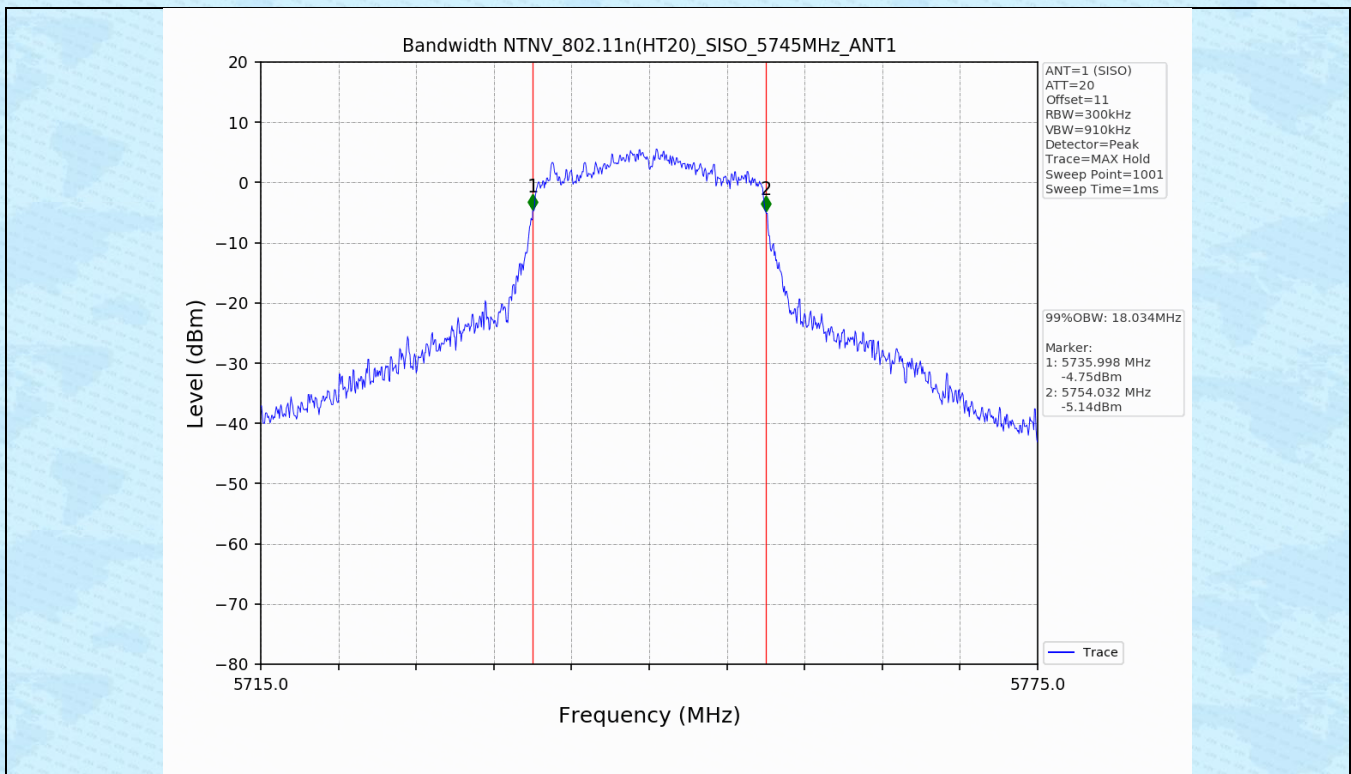
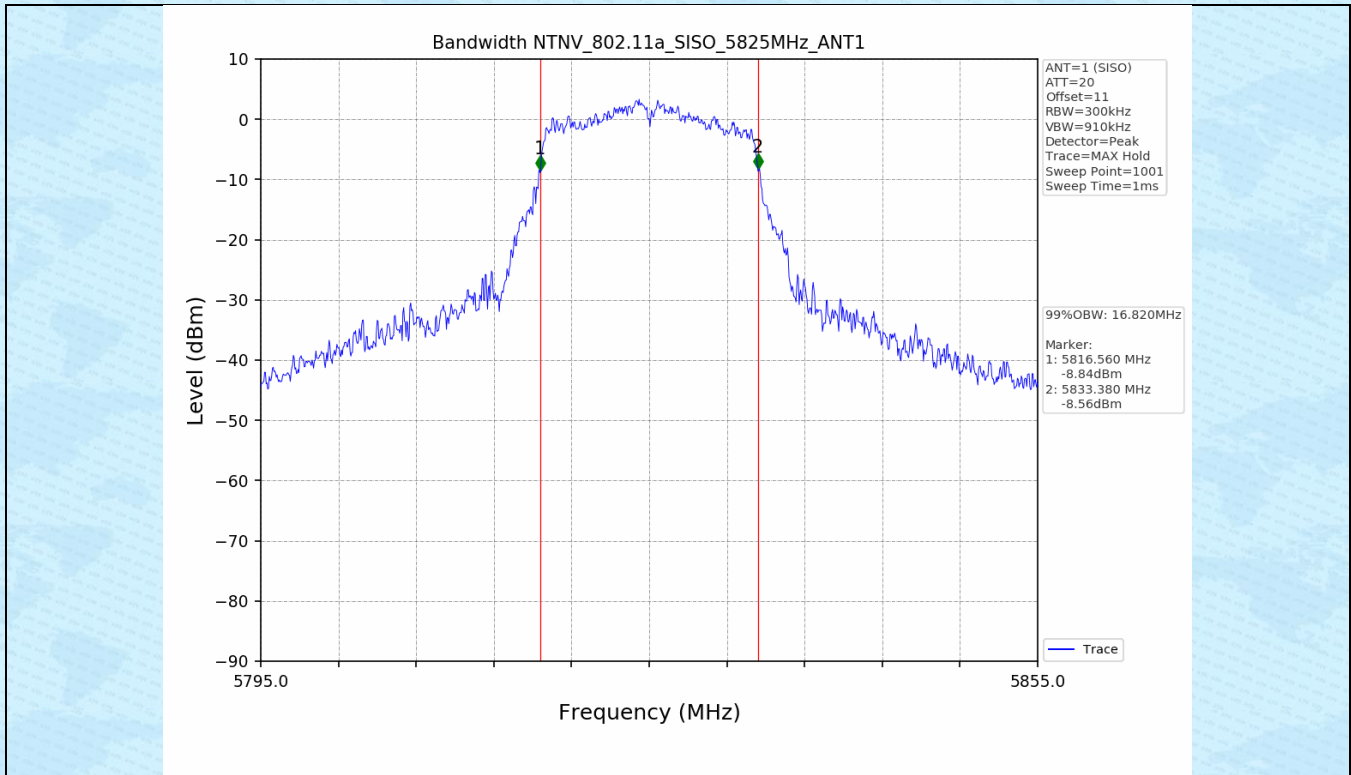


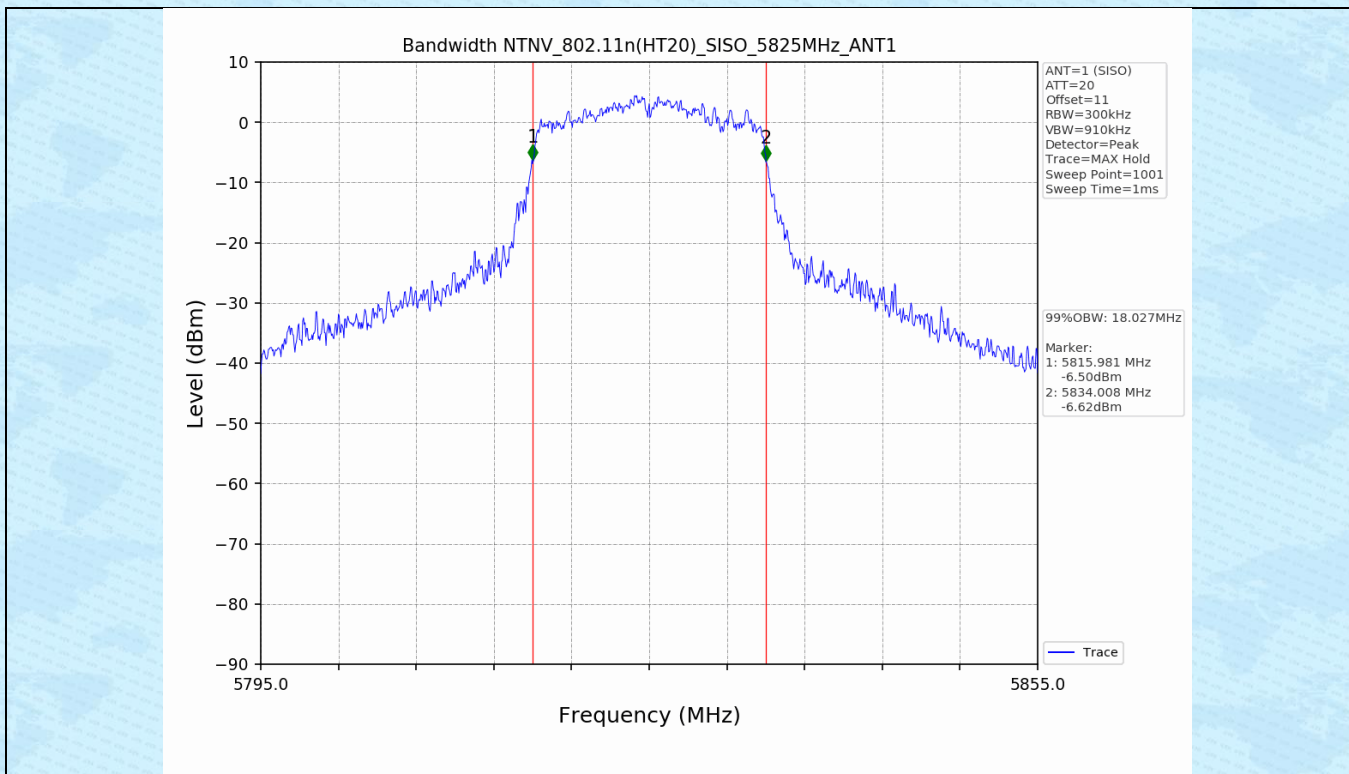
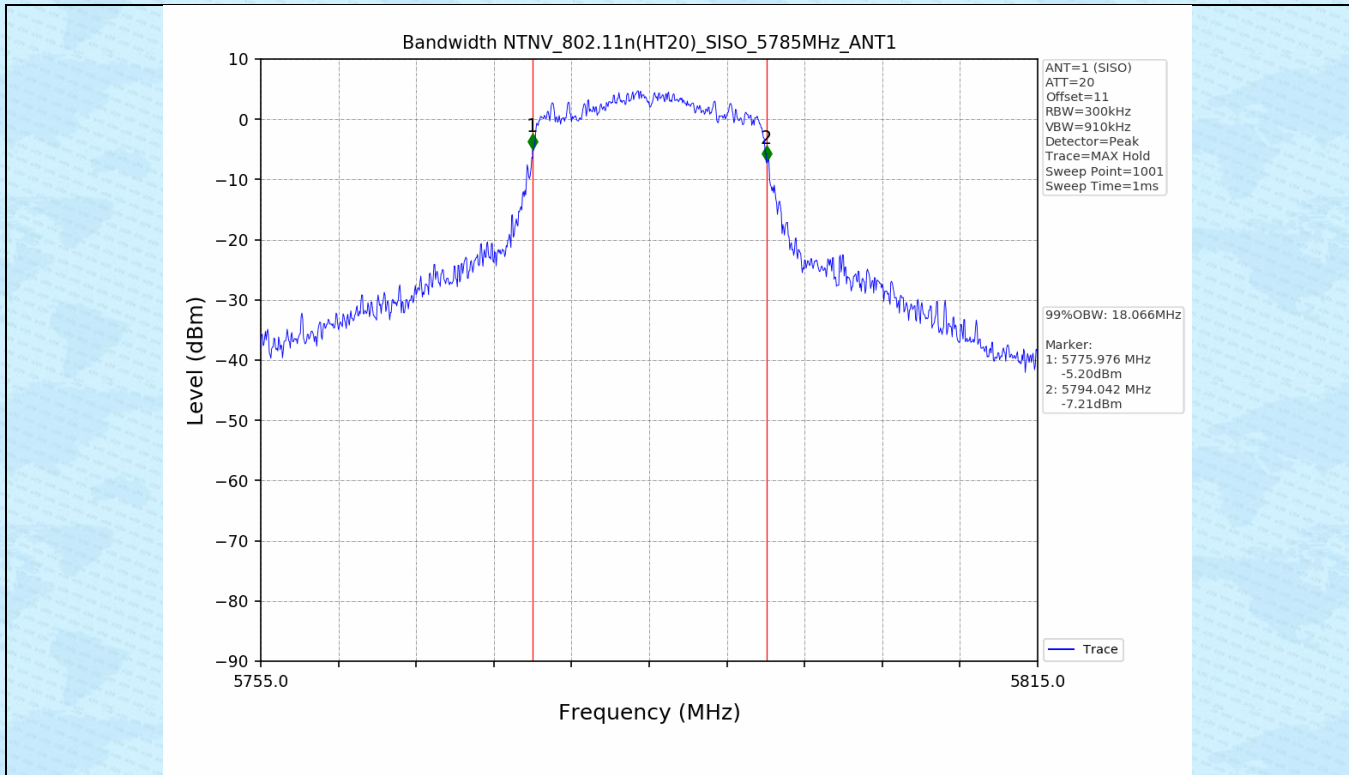


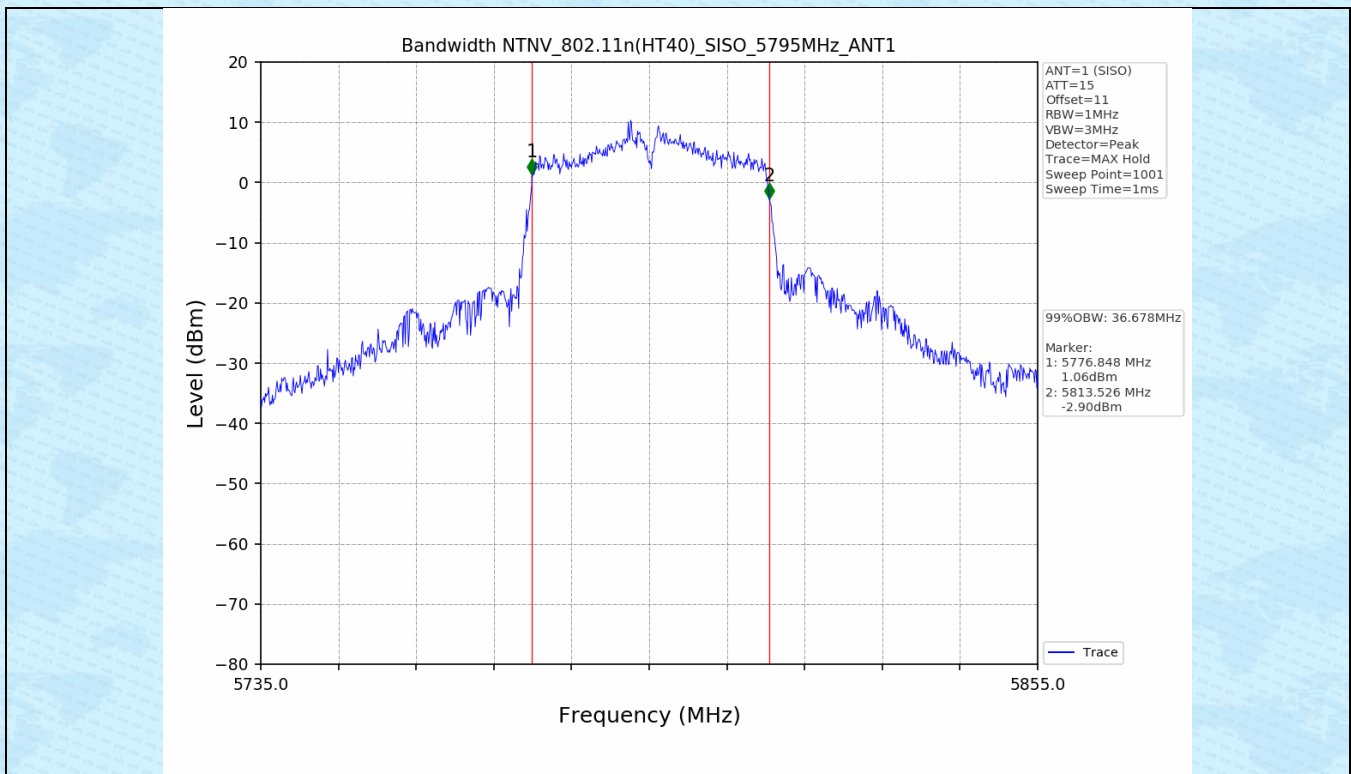
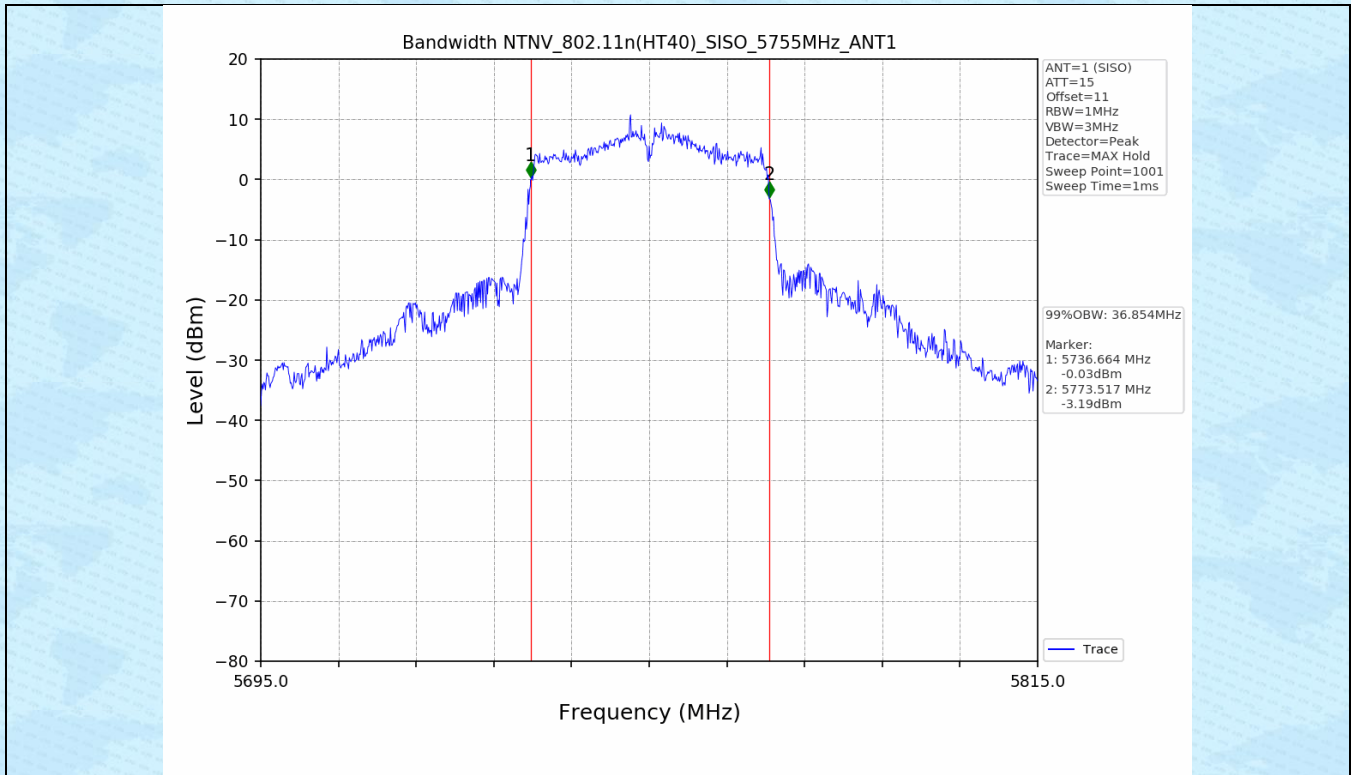


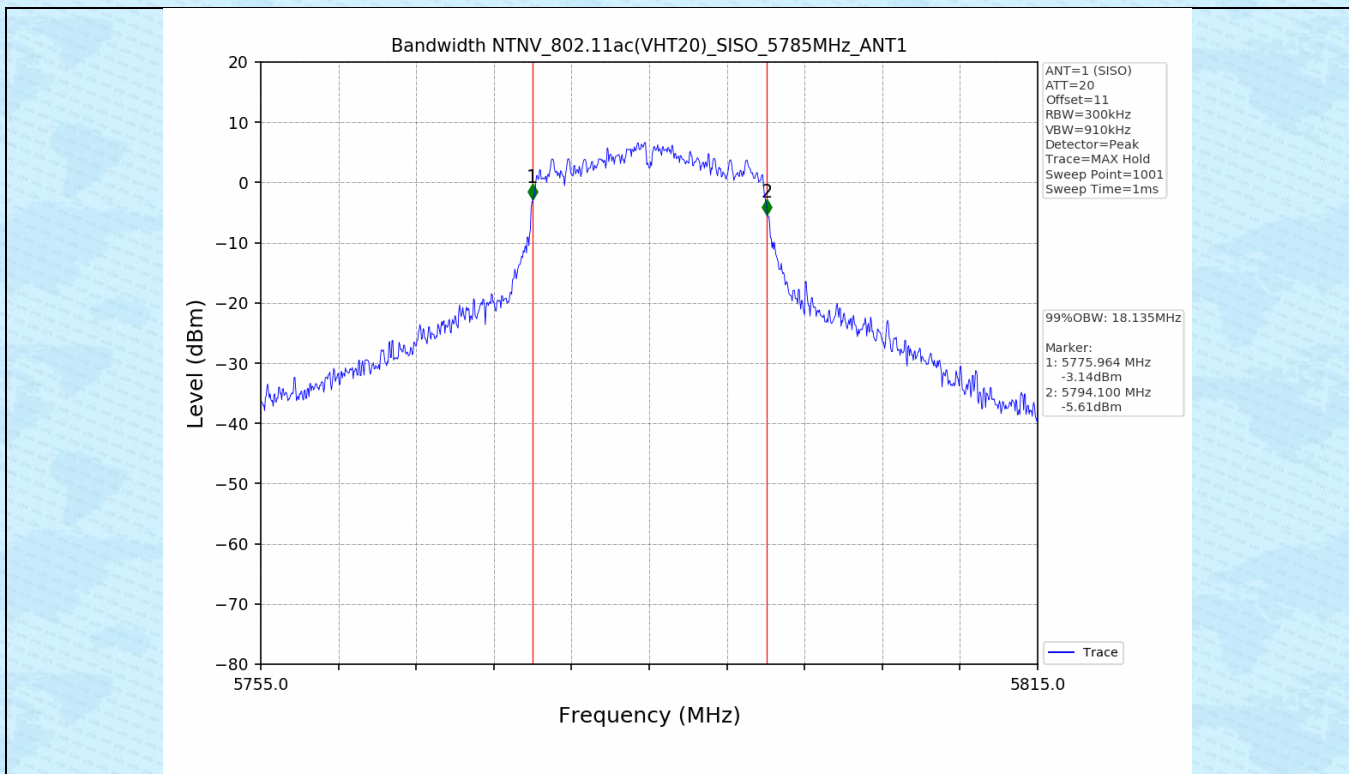
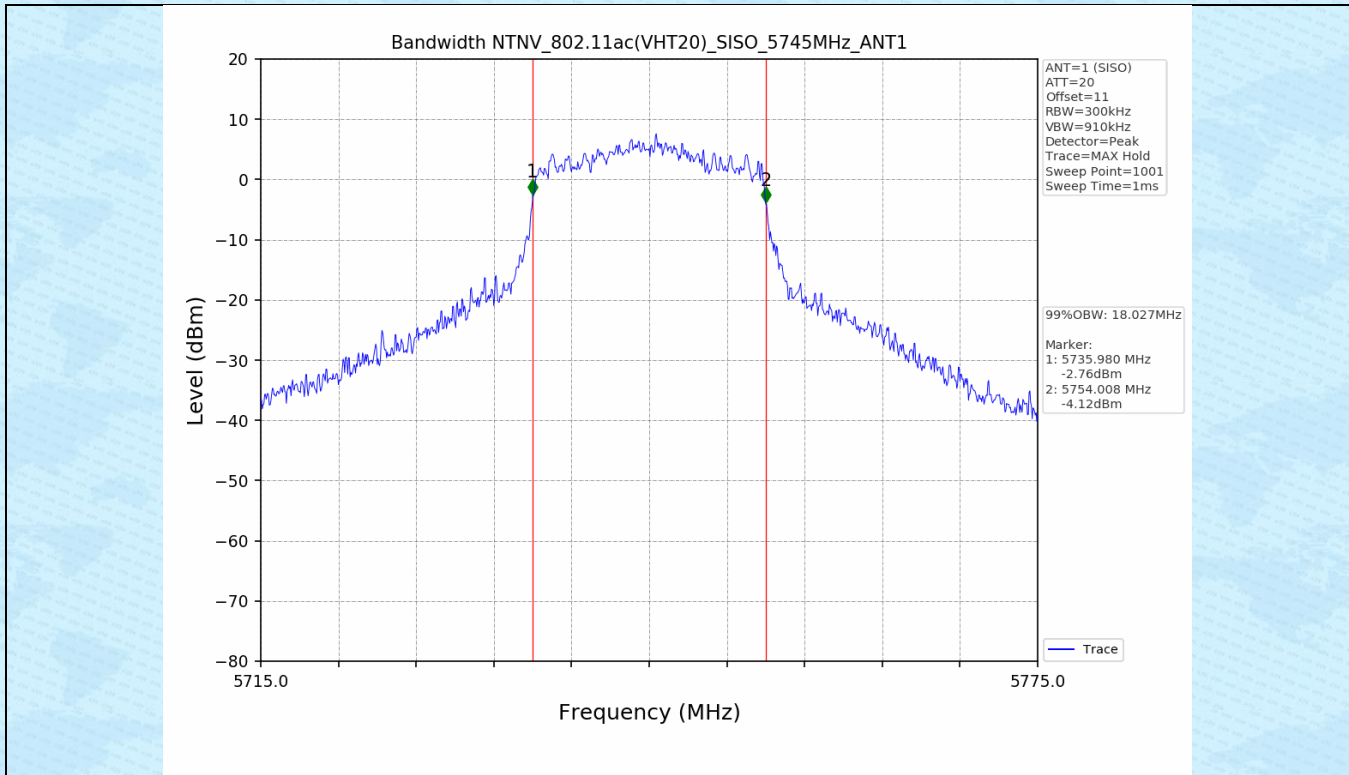
2.3 Test Graph - 99% Occupied Bandwidth

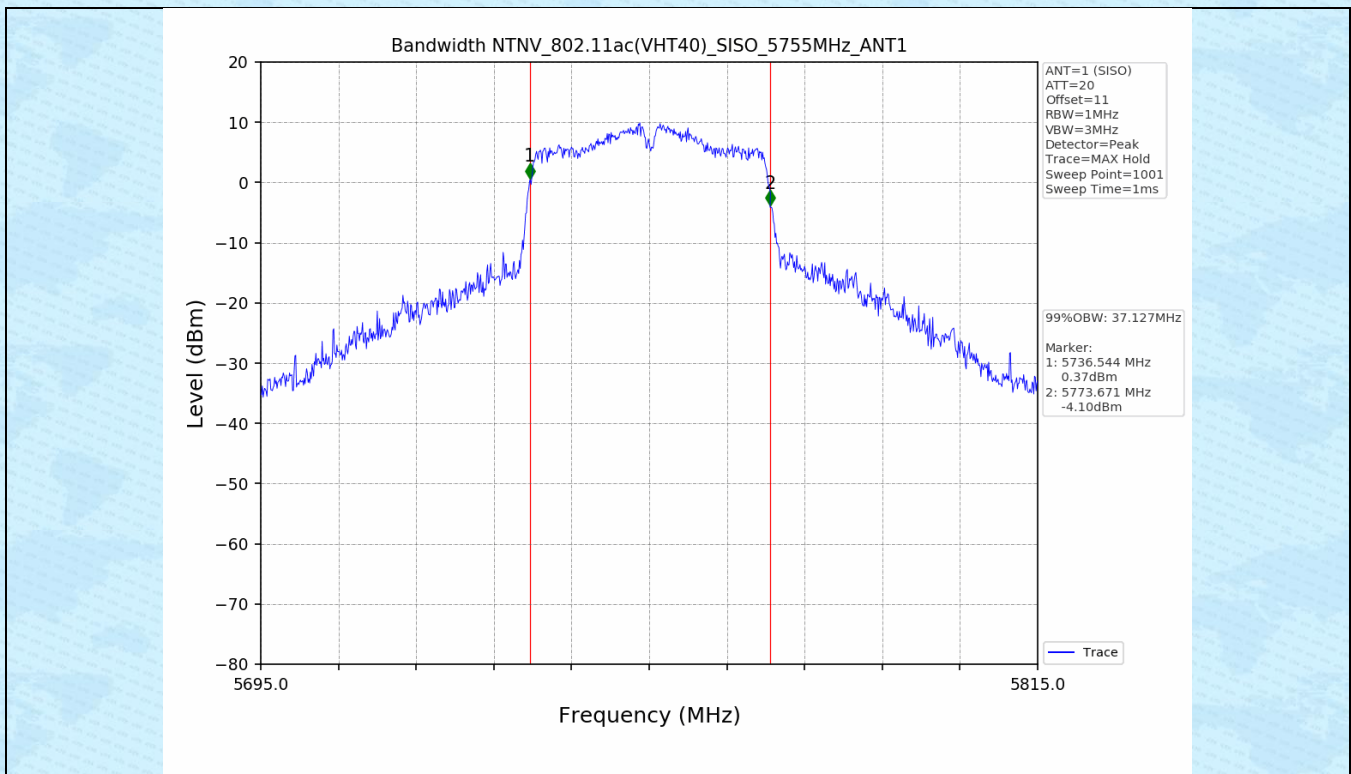
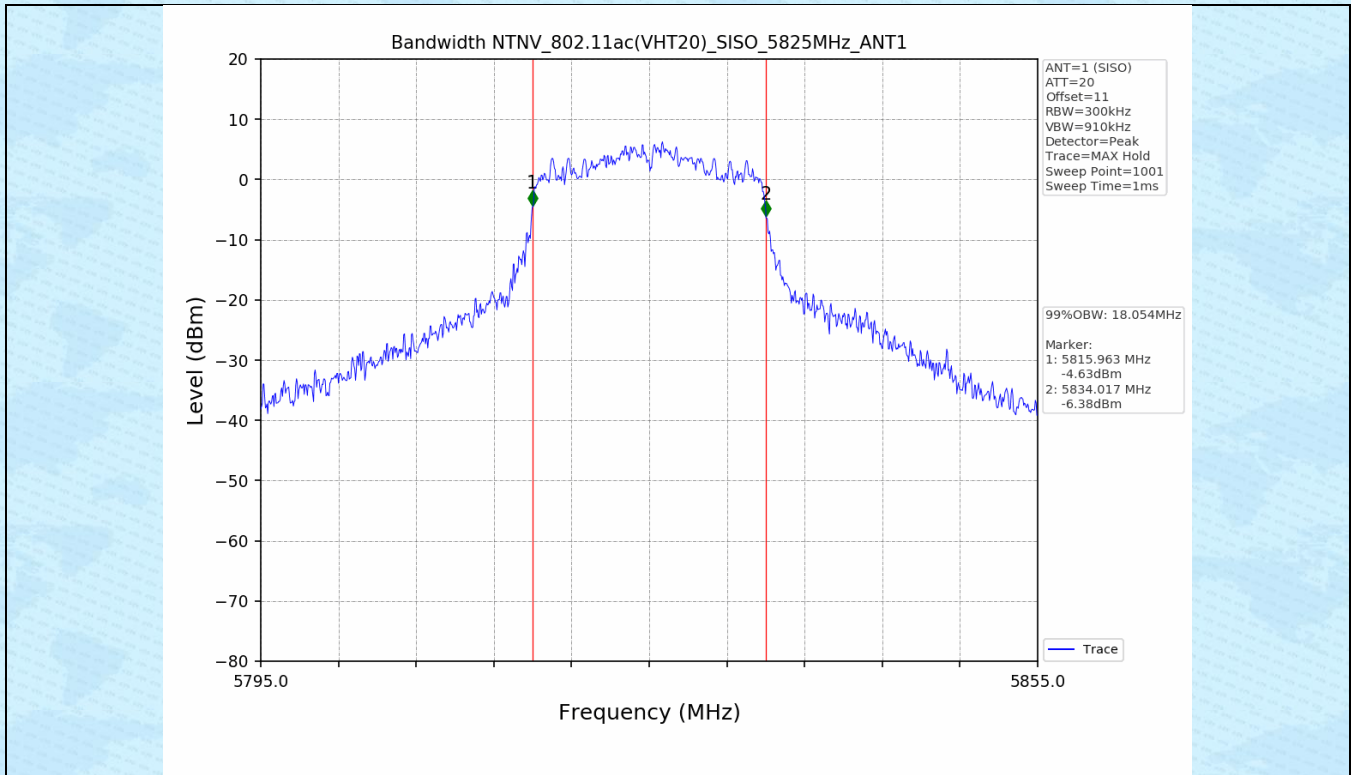


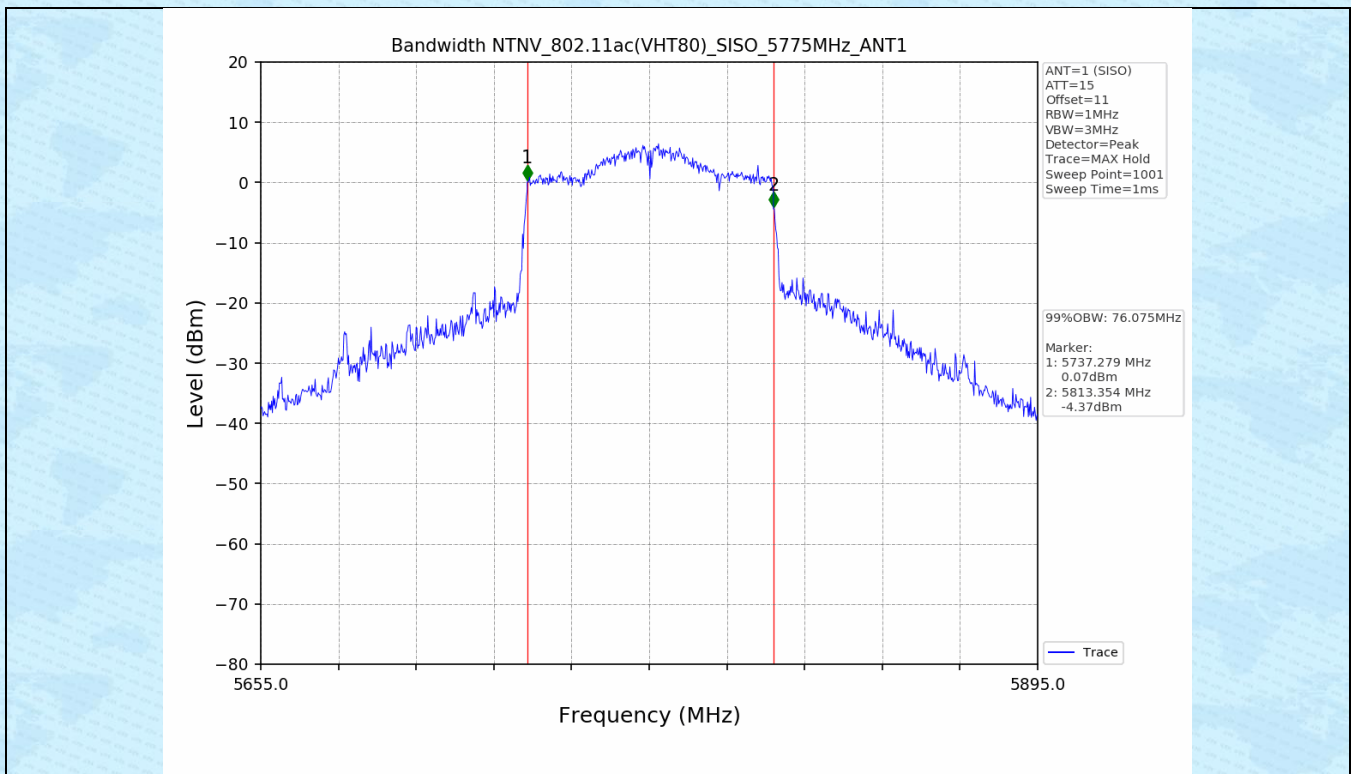
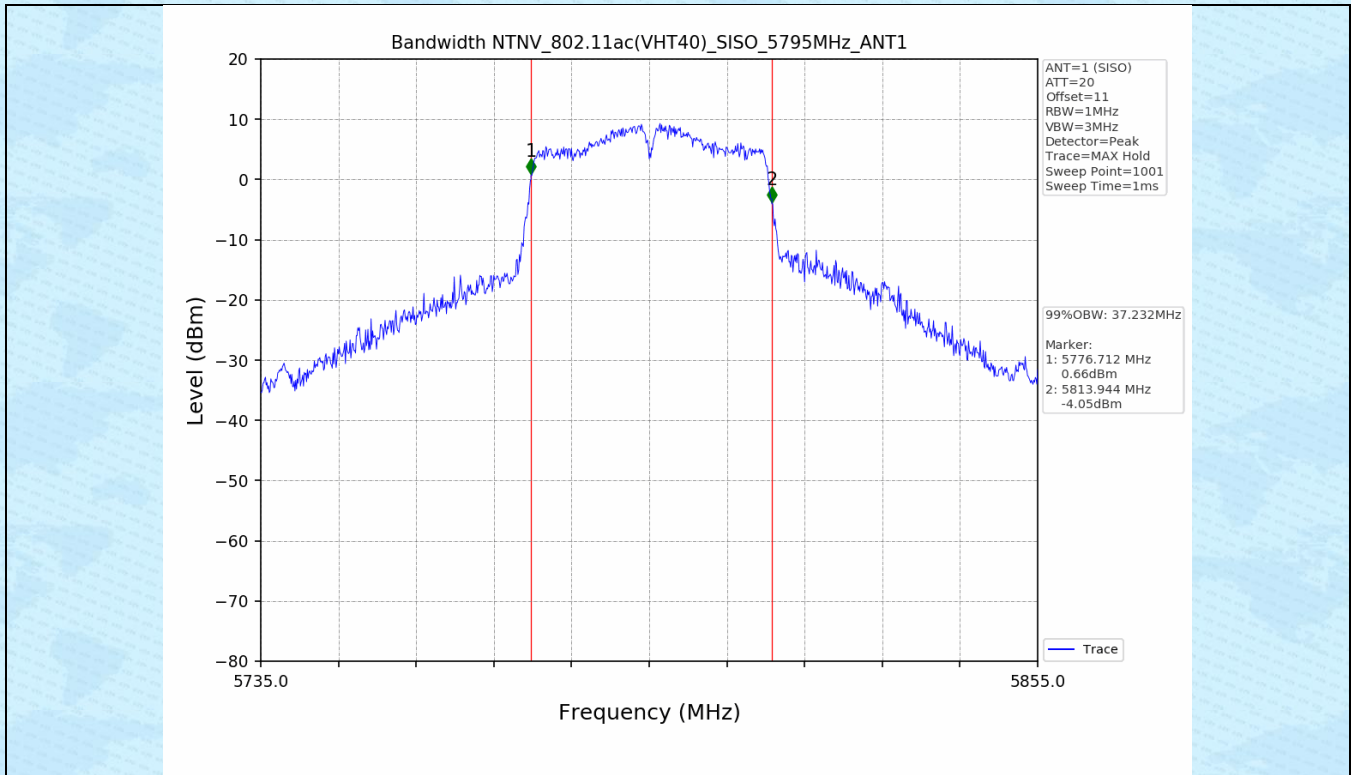












3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5745	SISO	11.48	≤30.00	PASS
	5785	SISO	11.09	≤30.00	PASS
	5825	SISO	10.46	≤30.00	PASS
802.11n(HT20)	5745	SISO	12.93	≤30.00	PASS
	5785	SISO	12.47	≤30.00	PASS
	5825	SISO	11.99	≤30.00	PASS
802.11n(HT40)	5755	SISO	10.37	≤30.00	PASS
	5795	SISO	10.03	≤30.00	PASS
802.11ac(VHT20)	5745	SISO	13.14	≤30.00	PASS
	5785	SISO	12.82	≤30.00	PASS
	5825	SISO	12.34	≤30.00	PASS
802.11ac(VHT40)	5755	SISO	13.59	≤30.00	PASS
	5795	SISO	13.37	≤30.00	PASS
802.11ac(VHT80)	5775	SISO	12.70	≤30.00	PASS

Note: The duty cycle factor is compensate in the result.

4. Maximum Power Spectral Density (PSD)

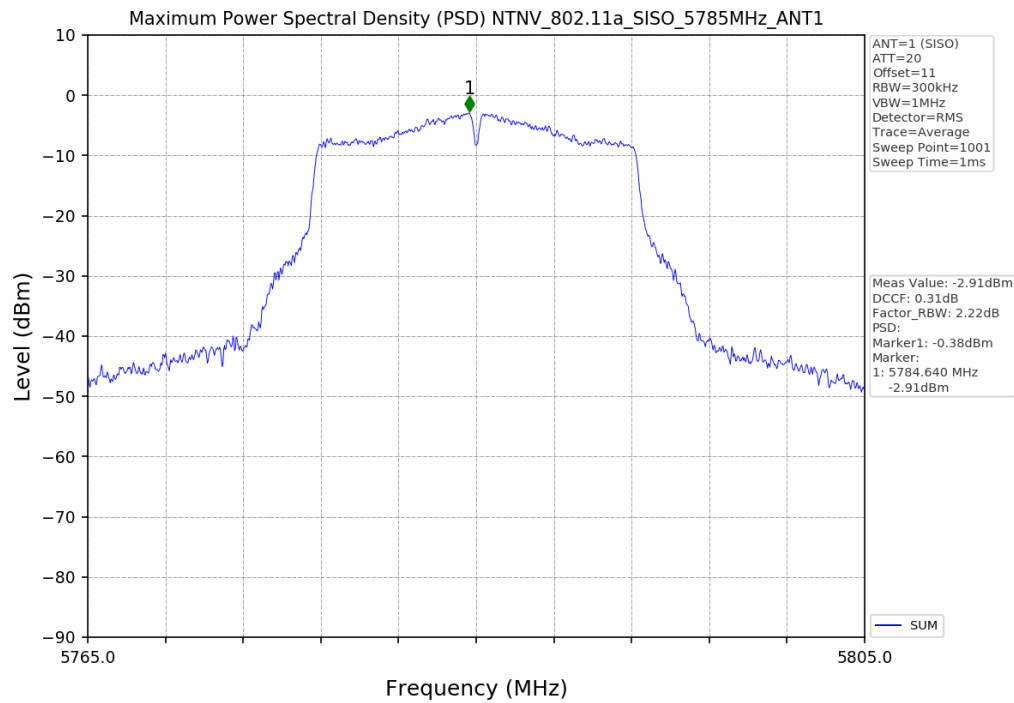
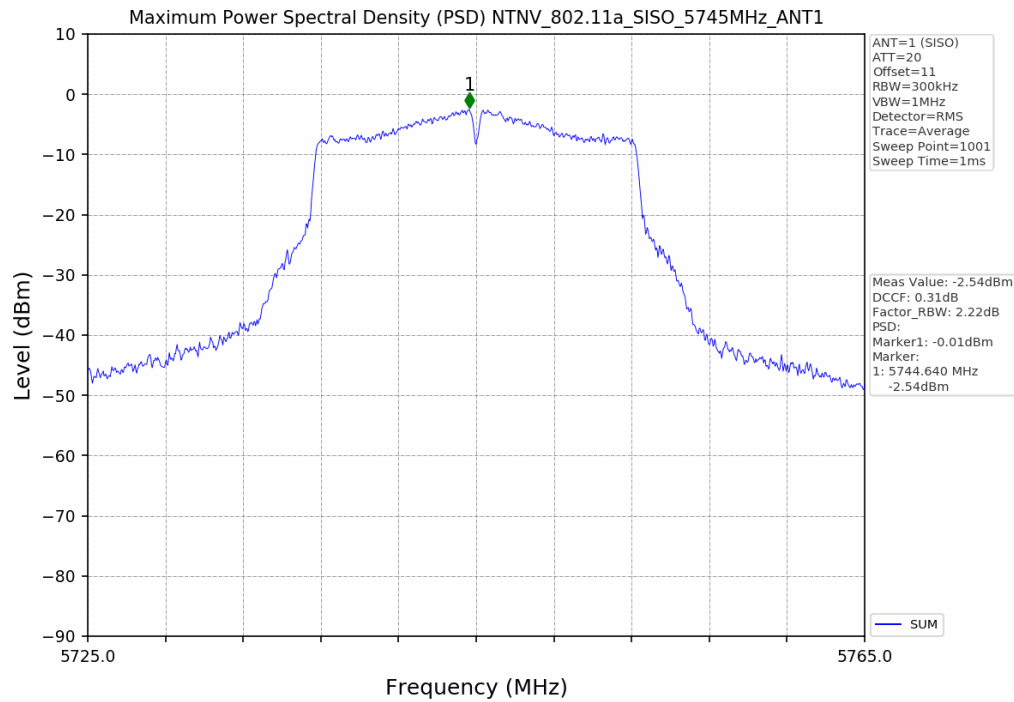
4.1 Test Result

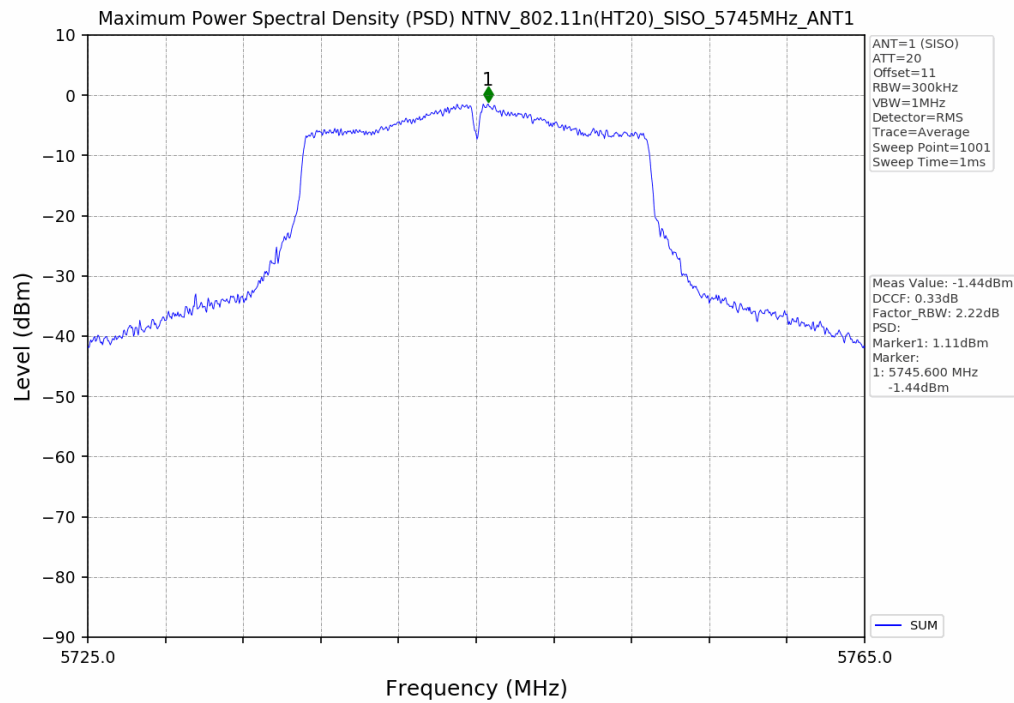
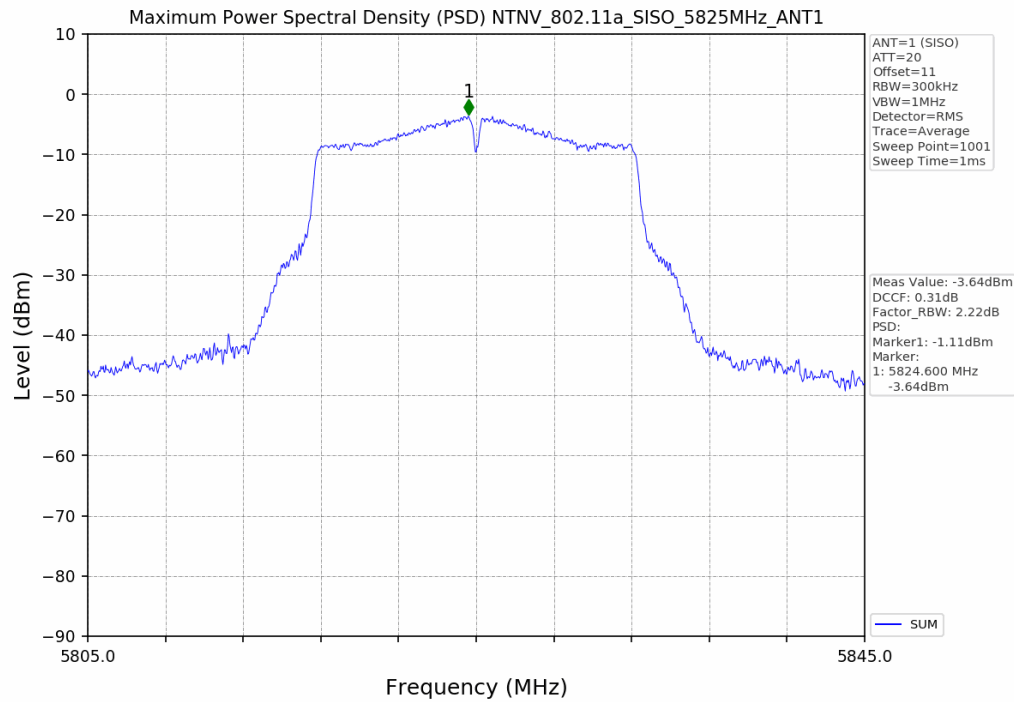
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
802.11a	5745	SISO	-0.01	≤30	PASS
	5785	SISO	-0.38	≤30	PASS
	5825	SISO	-1.11	≤30	PASS
802.11n(HT20)	5745	SISO	1.11	≤30	PASS
	5785	SISO	0.95	≤30	PASS
	5825	SISO	0.27	≤30	PASS
802.11n(HT40)	5755	SISO	-1.40	≤30	PASS
	5795	SISO	-2.20	≤30	PASS
802.11ac(VHT20)	5745	SISO	2.50	≤30	PASS
	5785	SISO	1.95	≤30	PASS
	5825	SISO	1.31	≤30	PASS
802.11ac(VHT40)	5755	SISO	-0.49	≤30	PASS
	5795	SISO	-1.03	≤30	PASS
802.11ac(VHT80)	5775	SISO	-4.14	≤30	PASS

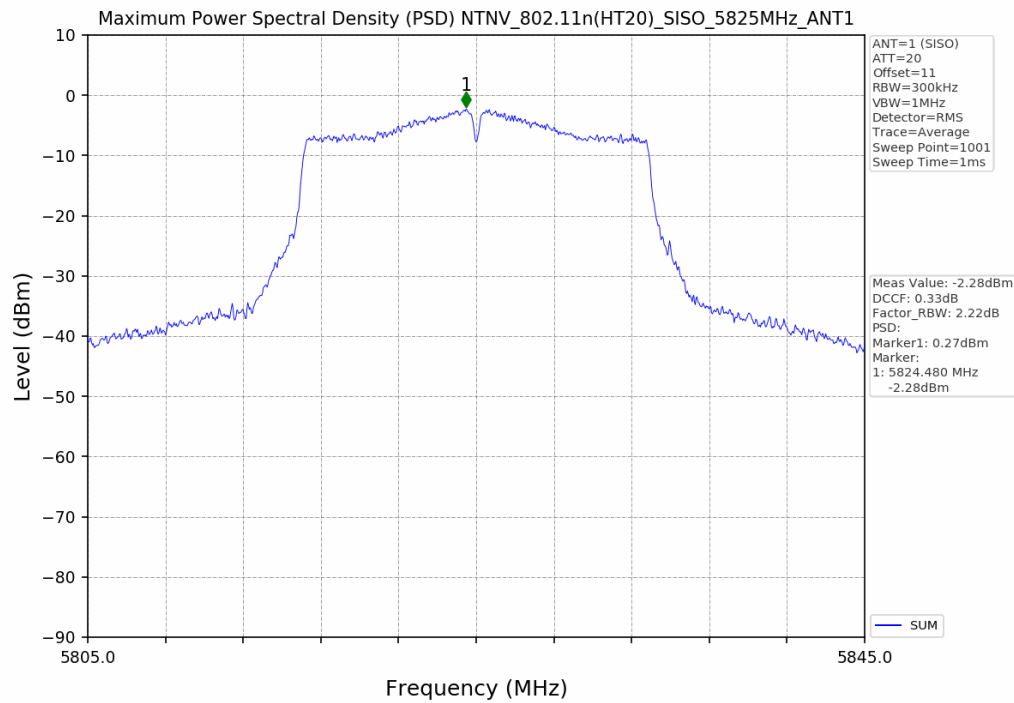
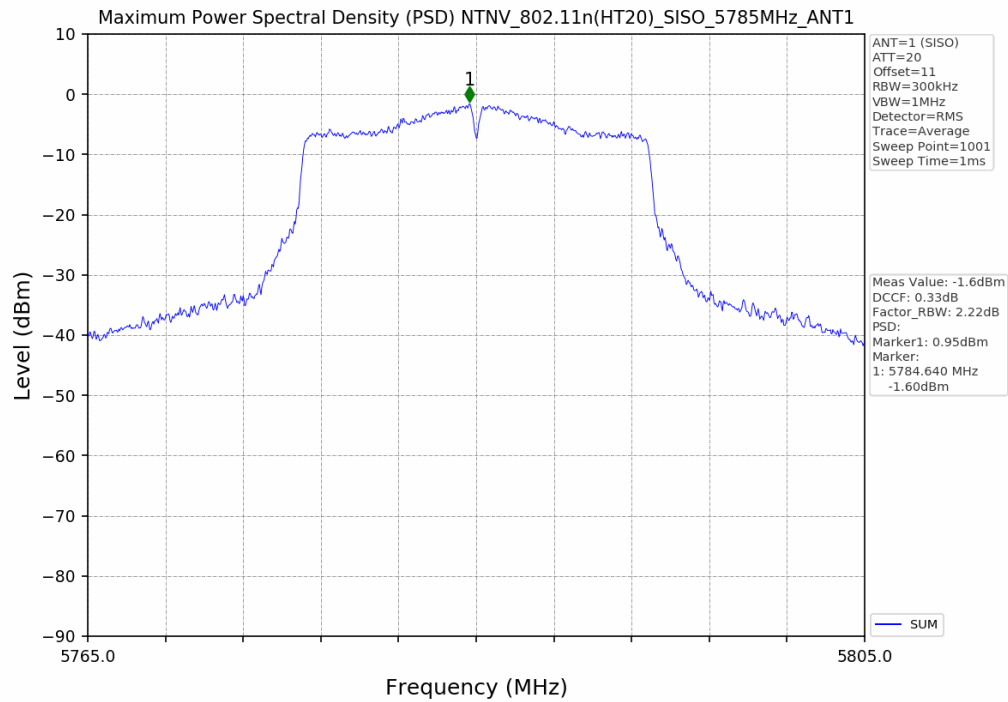
Note: The duty cycle factor and RBW Factor is compensate in the result.

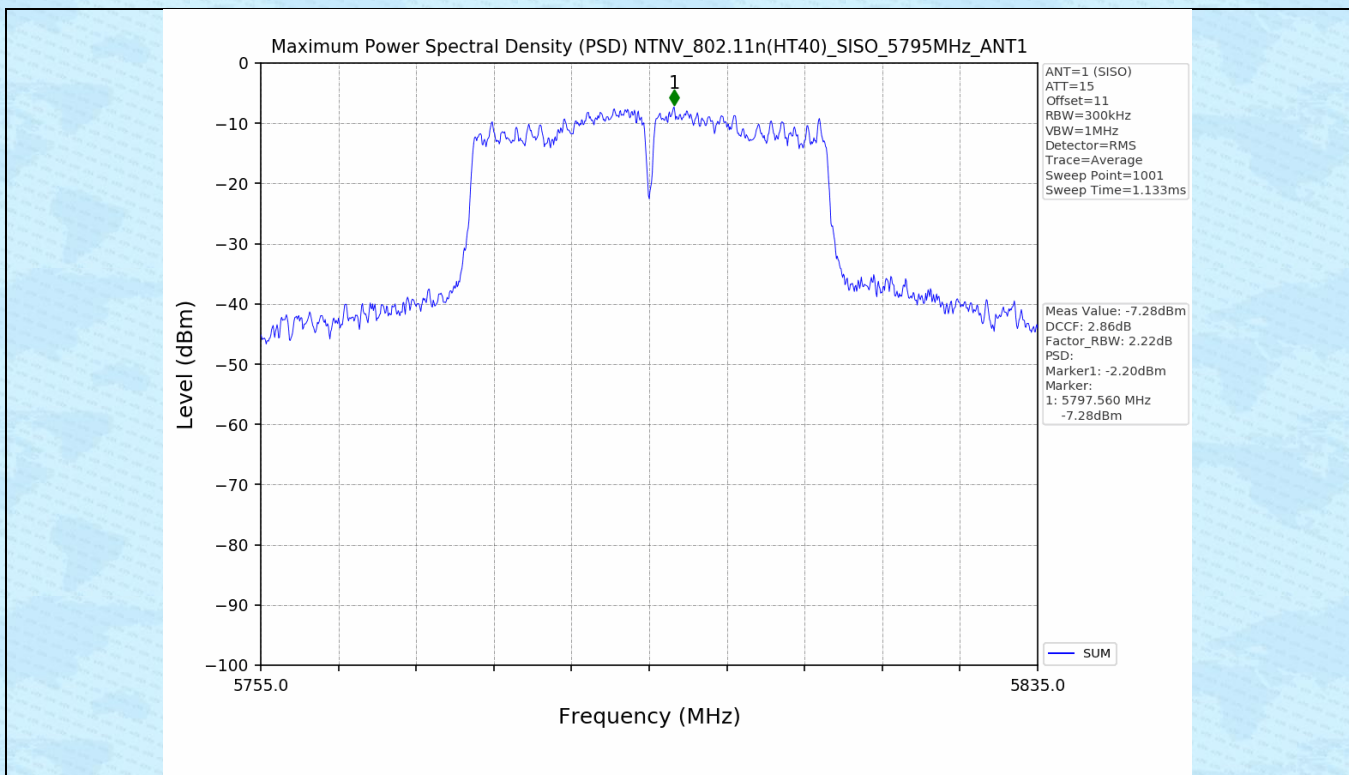
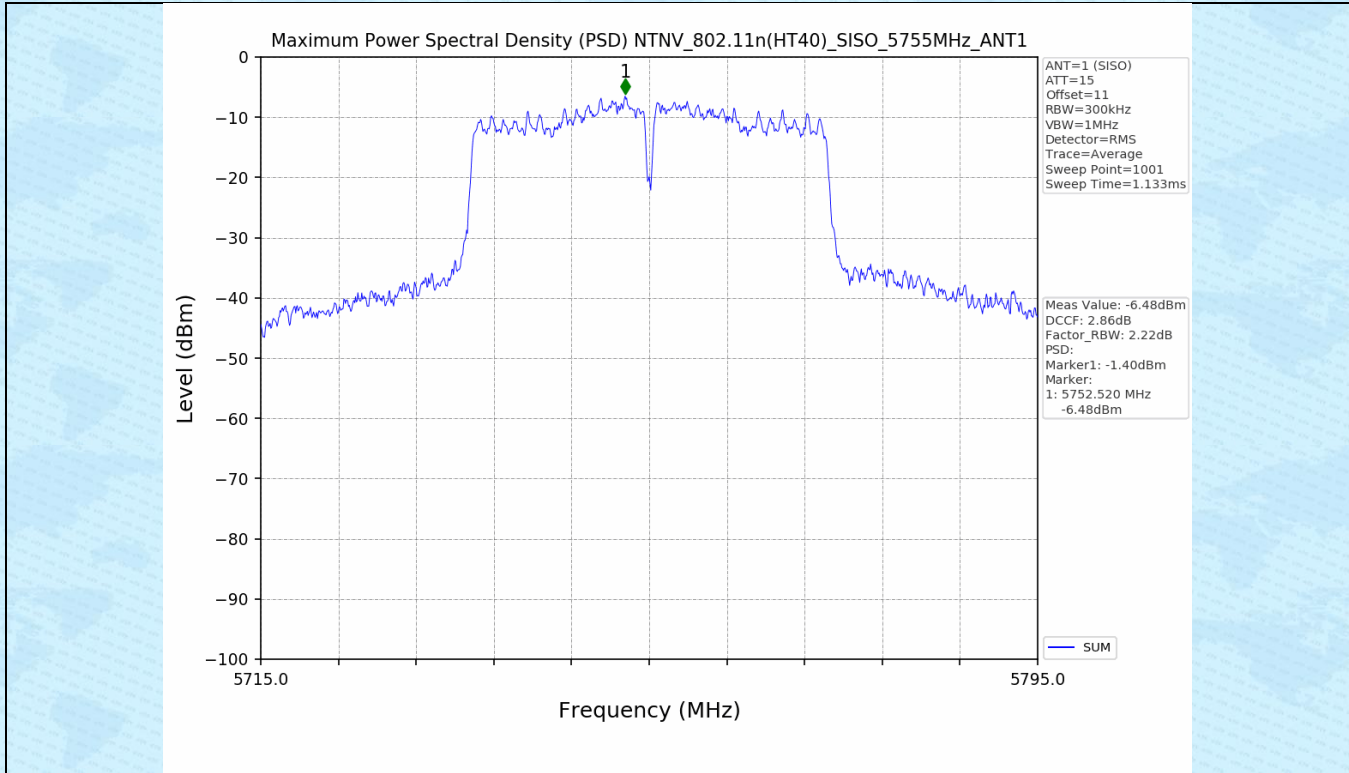
RBW Factor= $10 \cdot \log(500\text{kHz}/\text{RBW})=2.22$

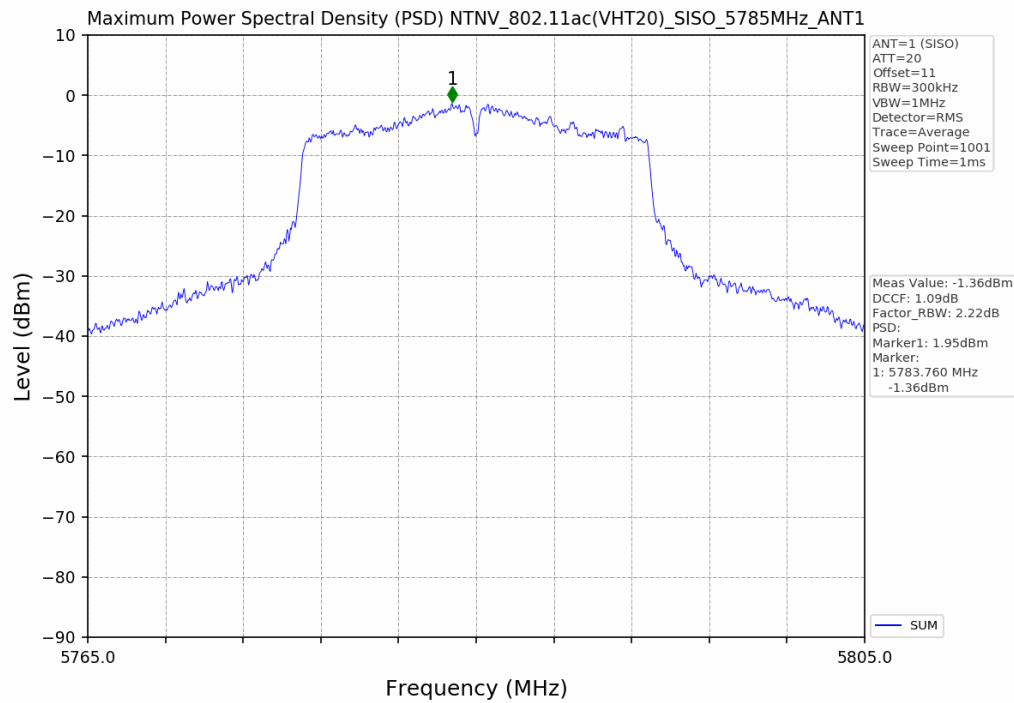
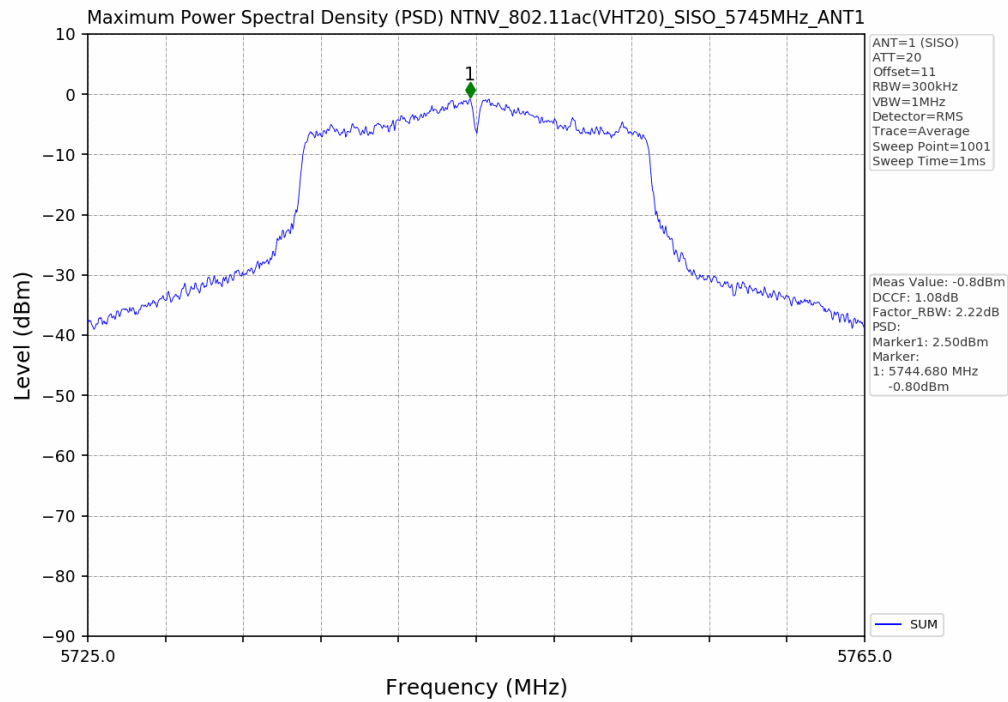
4.2 Test Graph

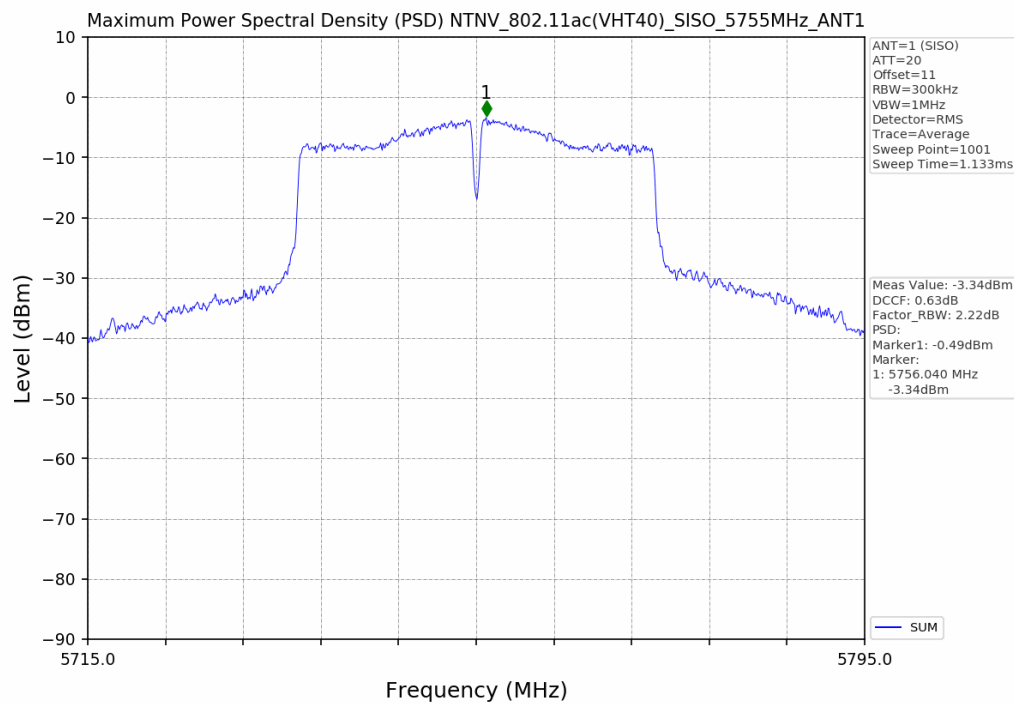
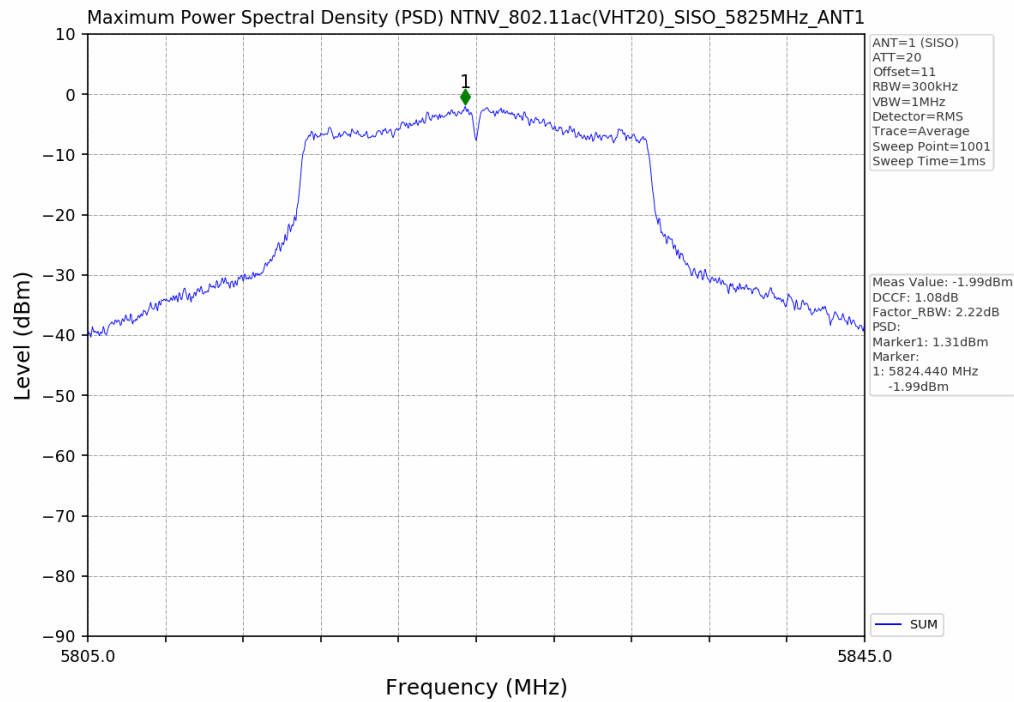


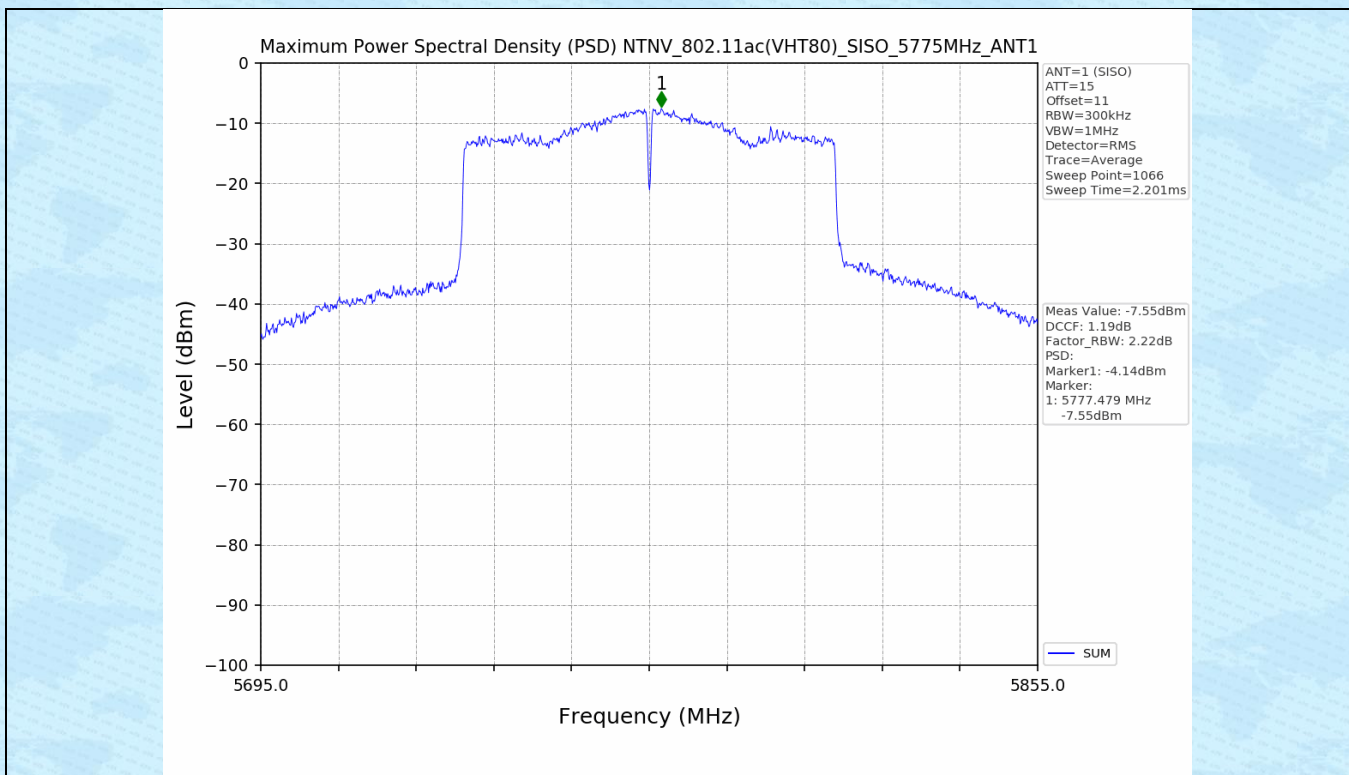
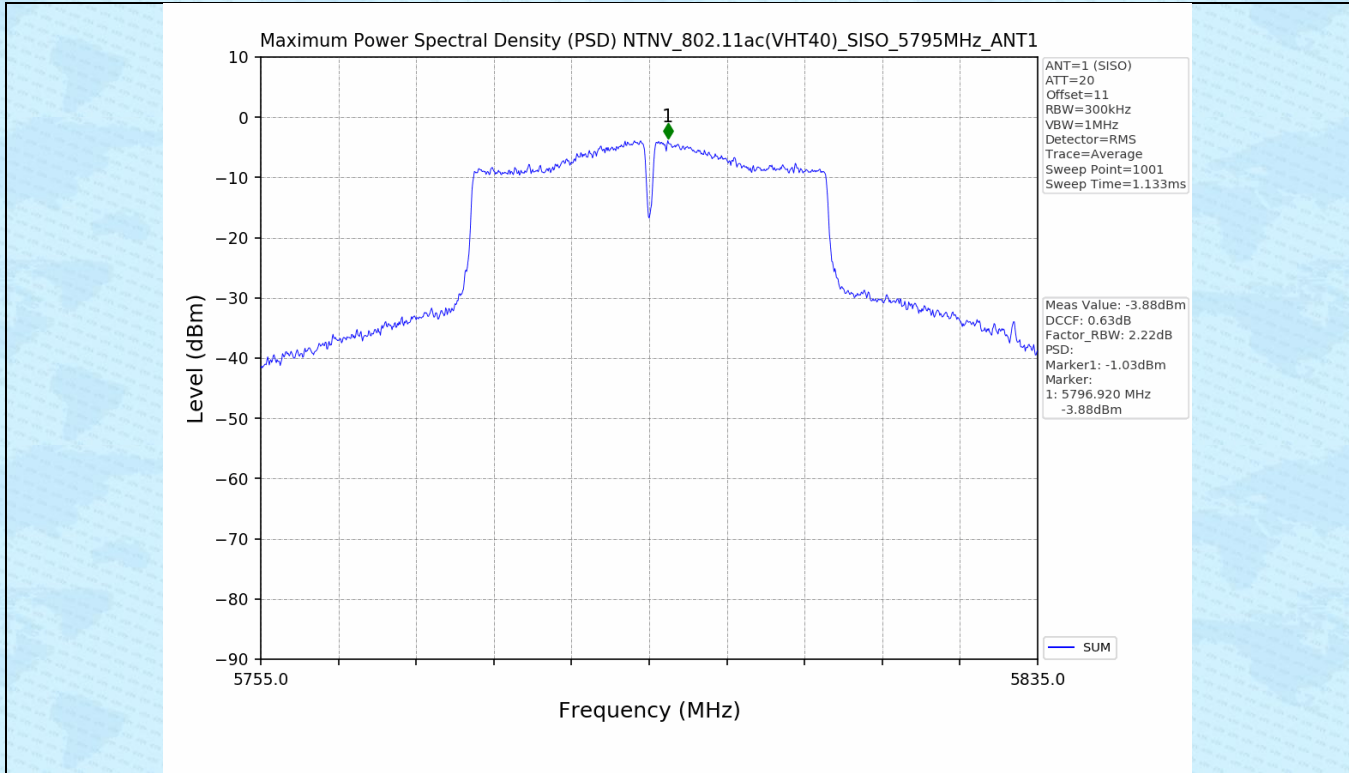












5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	5745	1	-3.31	<=20	PASS
		5755	1	-4.34	<=20	PASS
		5775	1	-5.37	<=20	PASS
		5785	1	-2.77	<=20	PASS
		5795	1	-3.97	<=20	PASS
		5825	1	-2.4	<=20	PASS

-----End-----