

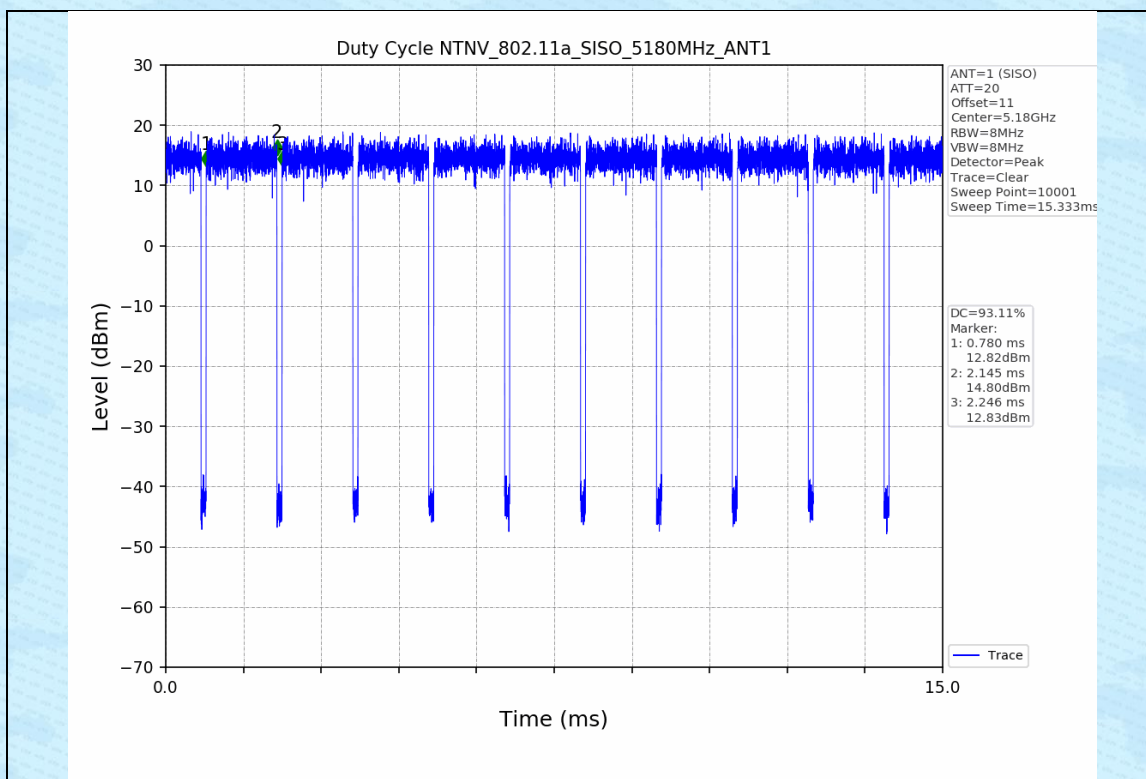
Appendix for 15.407

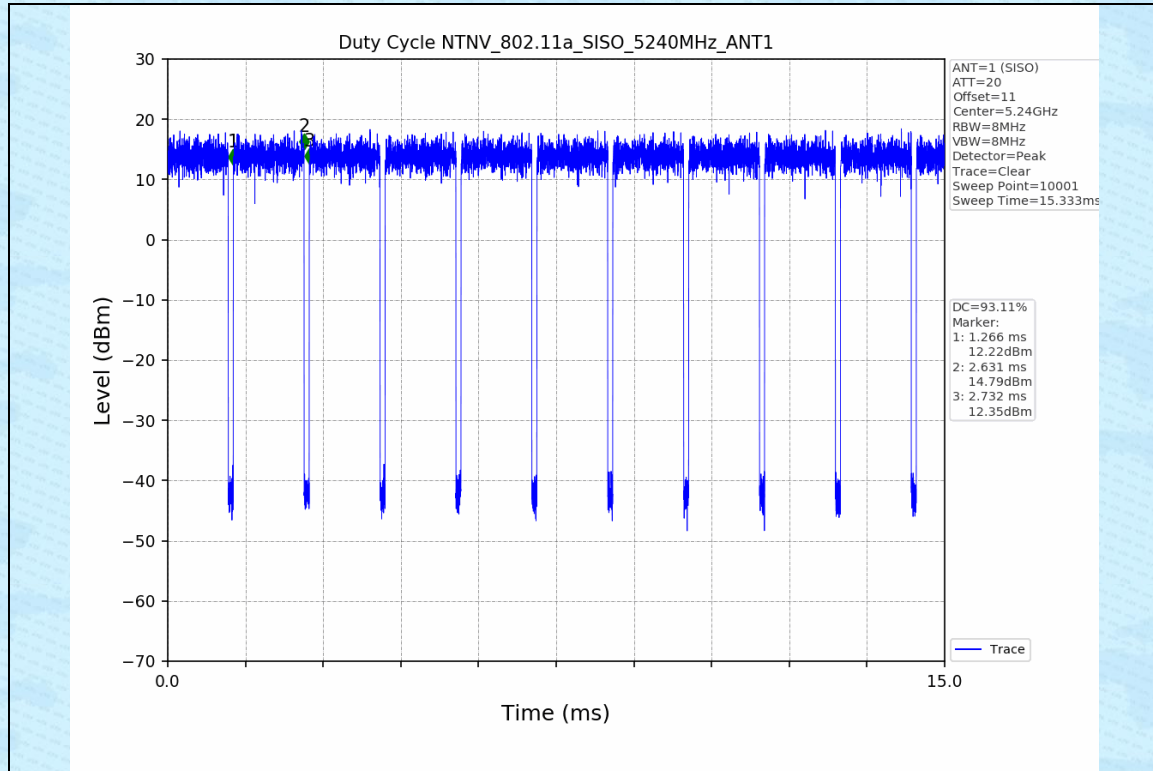
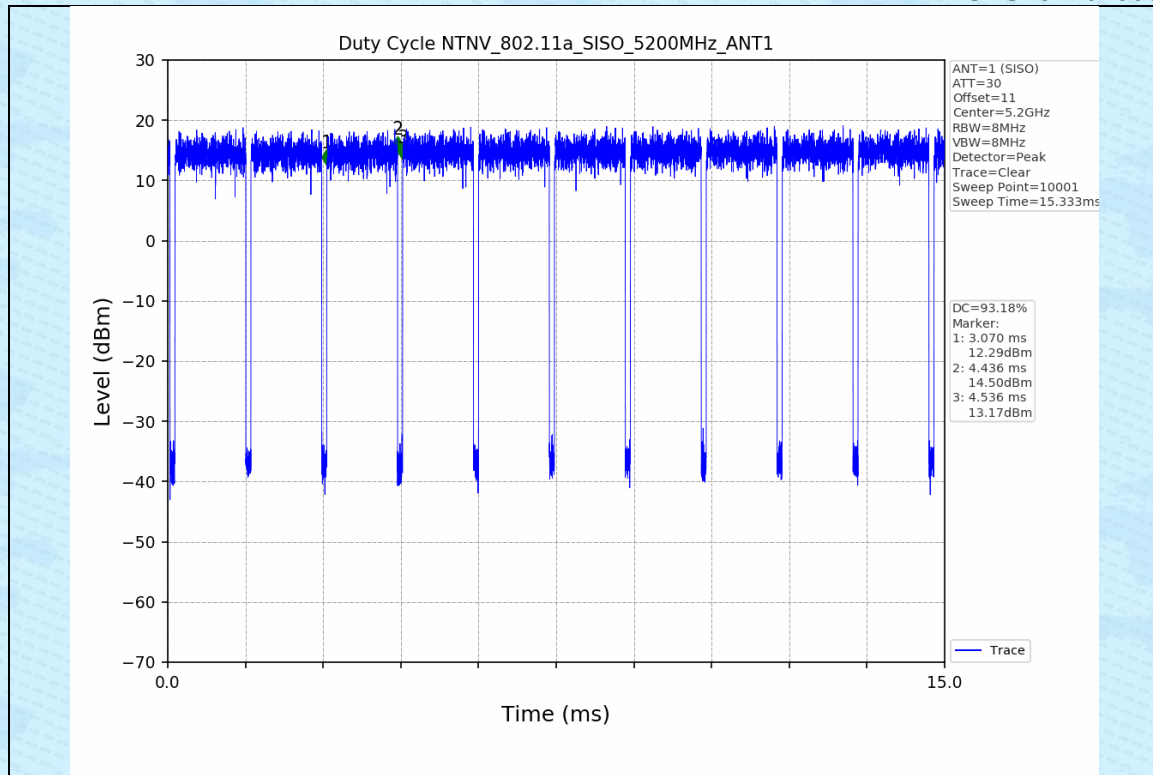
1. Duty Cycle

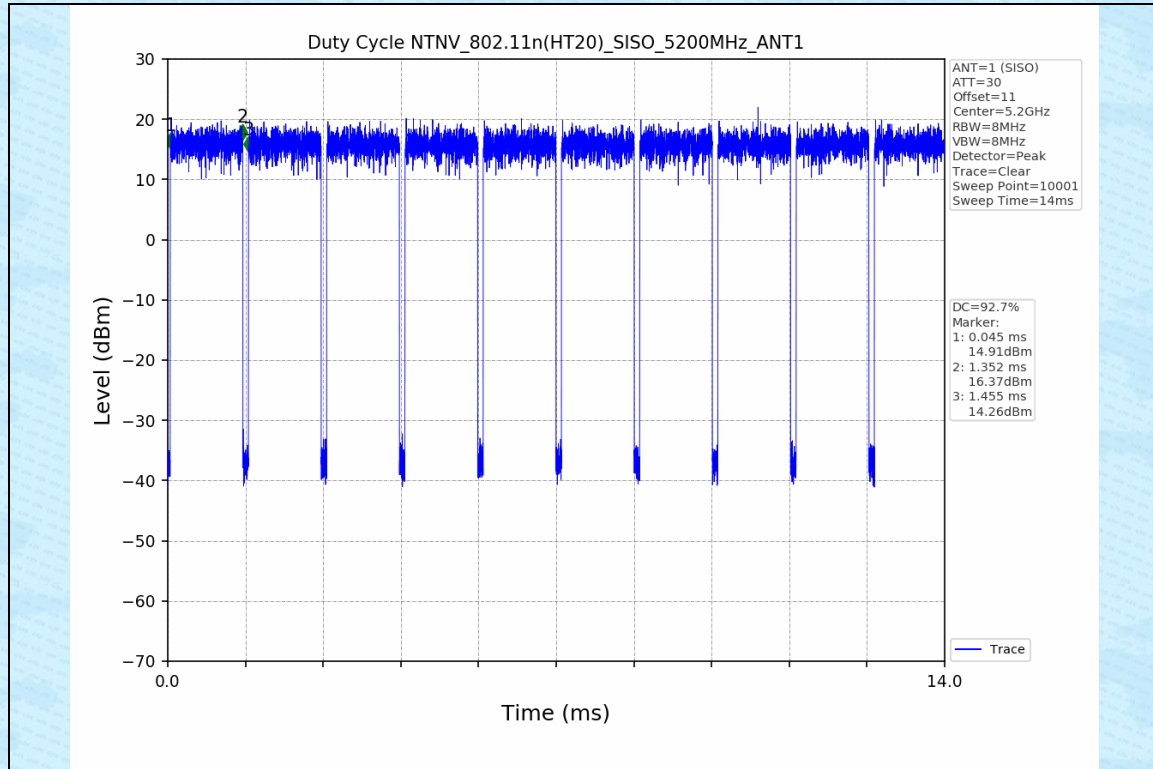
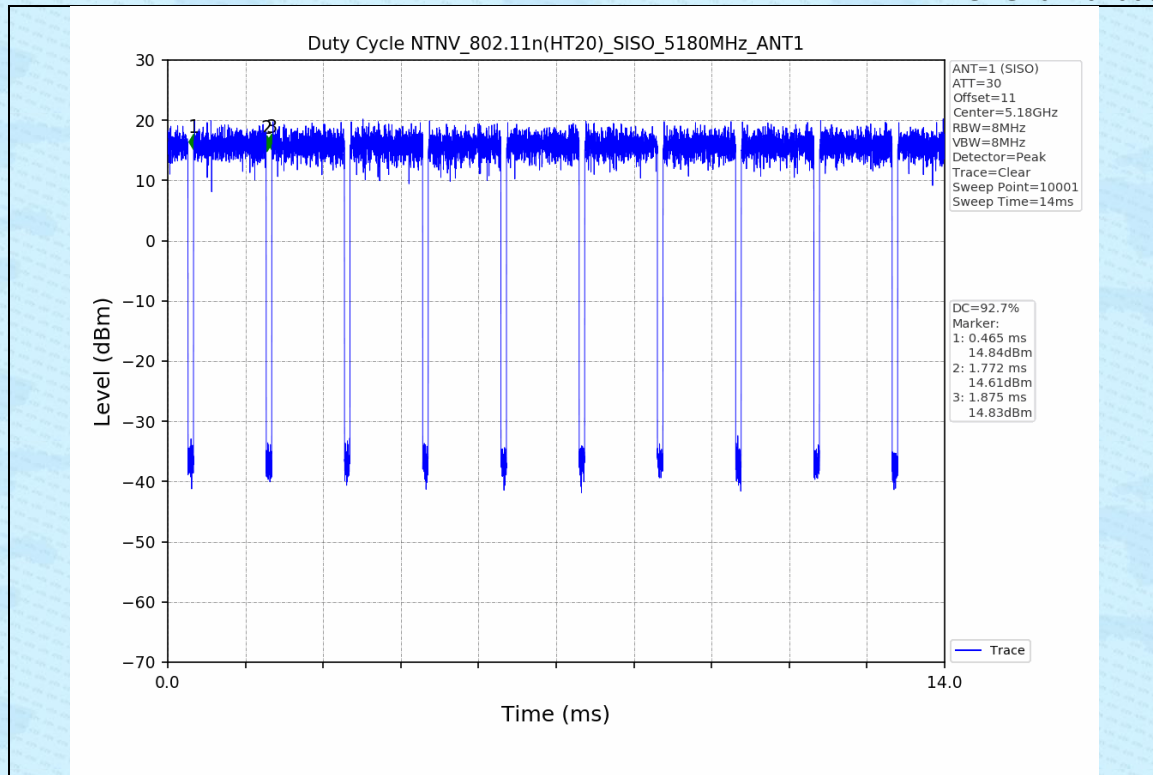
1.1 Test Result

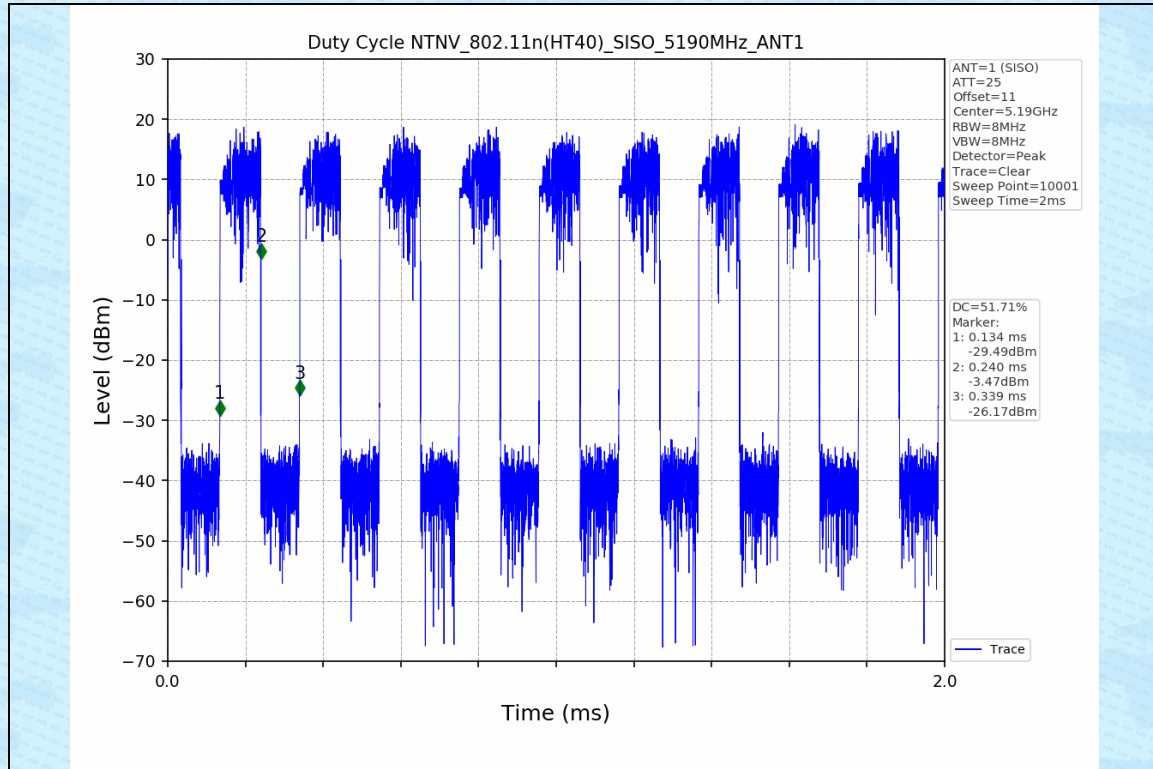
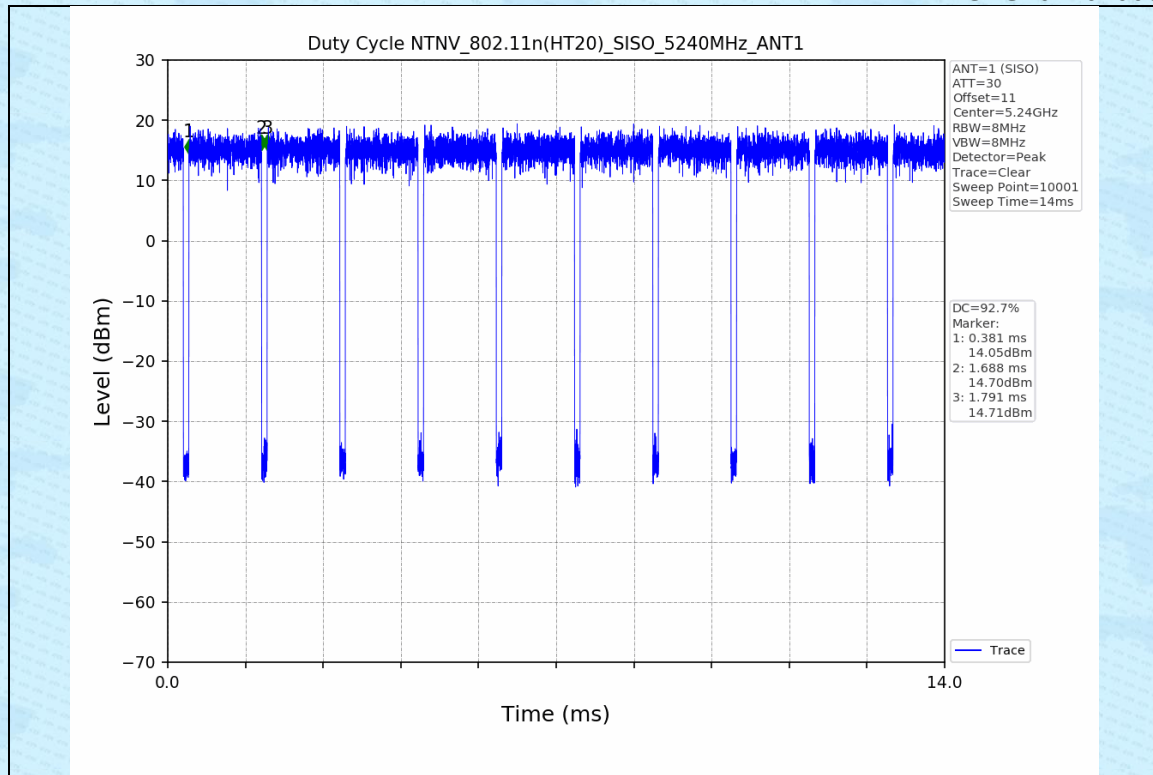
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.365	1.466	93.11	0.31
	5200	SISO	1	1.366	1.466	93.18	0.31
	5240	SISO	1	1.365	1.466	93.11	0.31
802.11n(HT20)	5180	SISO	1	1.307	1.410	92.70	0.33
	5200	SISO	1	1.307	1.410	92.70	0.33
	5240	SISO	1	1.307	1.410	92.70	0.33
802.11n(HT40)	5190	SISO	1	0.106	0.205	51.71	2.86
	5230	SISO	1	0.105	0.205	51.22	2.91
802.11ac(VHT20)	5180	SISO	1	0.359	0.461	77.87	1.09
	5200	SISO	1	0.360	0.462	77.92	1.08
	5240	SISO	1	0.360	0.462	77.92	1.08
802.11ac(VHT40)	5190	SISO	1	0.656	0.758	86.54	0.63
	5230	SISO	1	0.656	0.758	86.54	0.63
802.11ac(VHT80)	5210	SISO	1	0.324	0.426	76.06	1.19

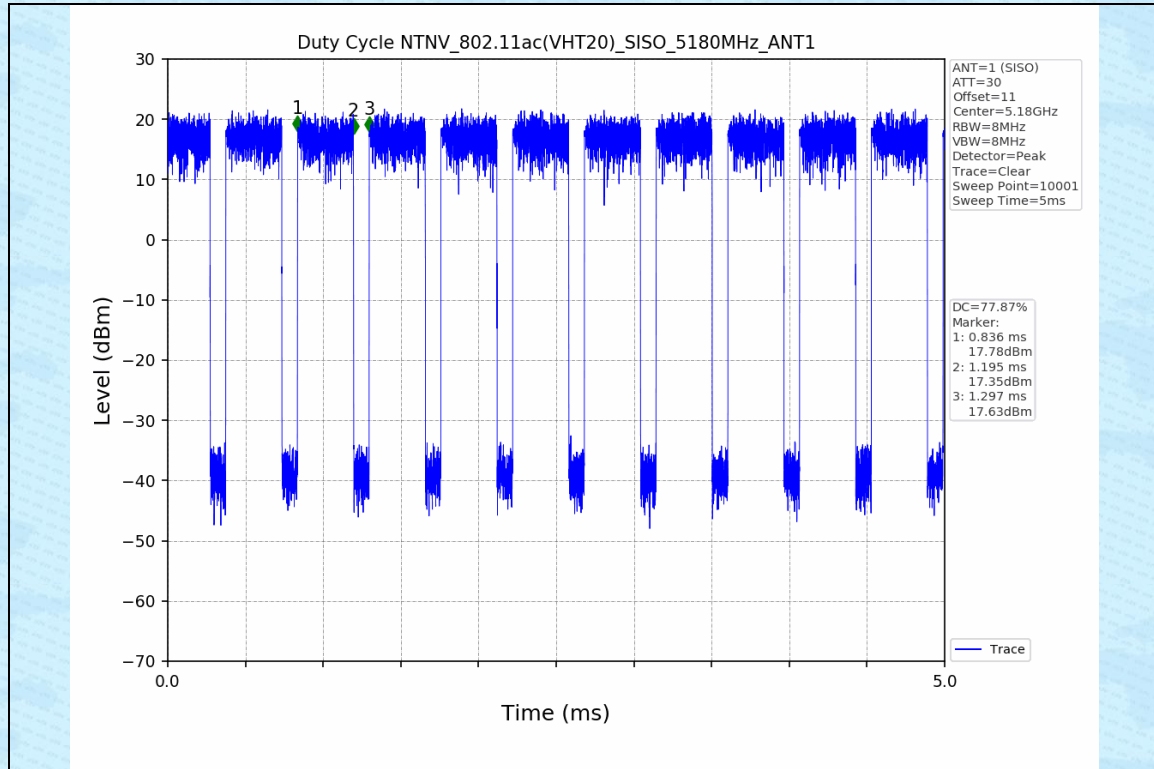
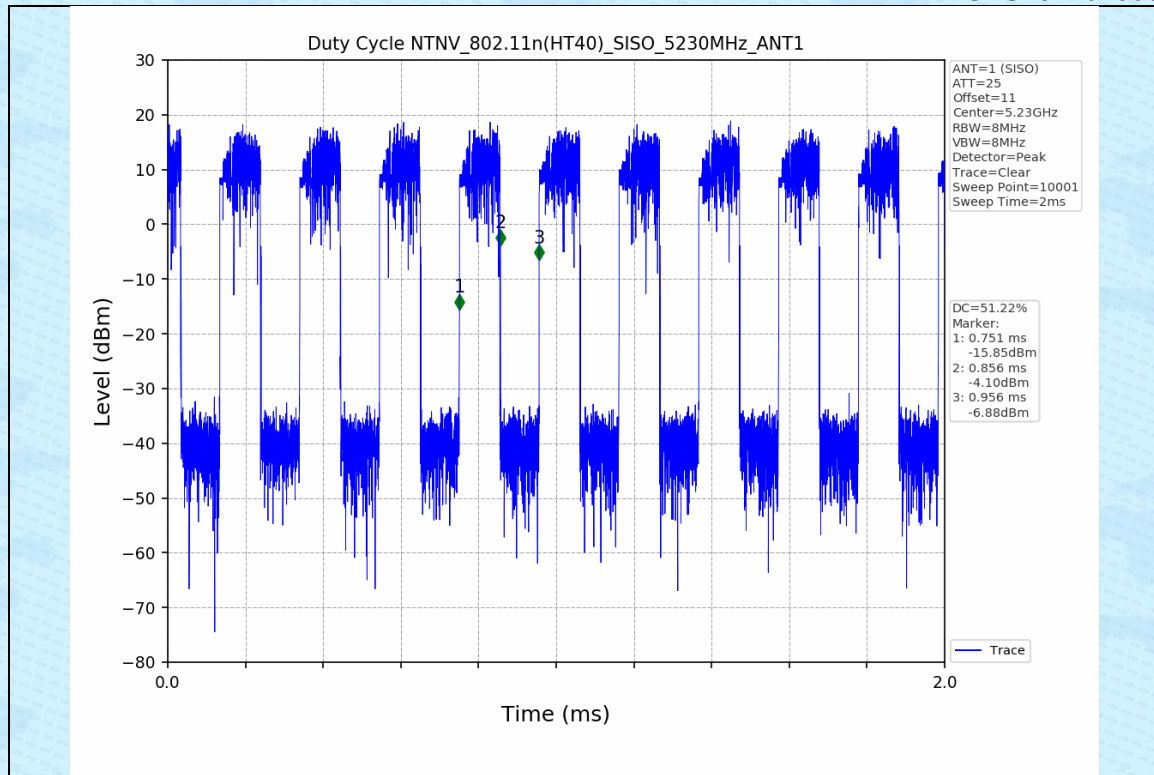
1.2 Test Graph

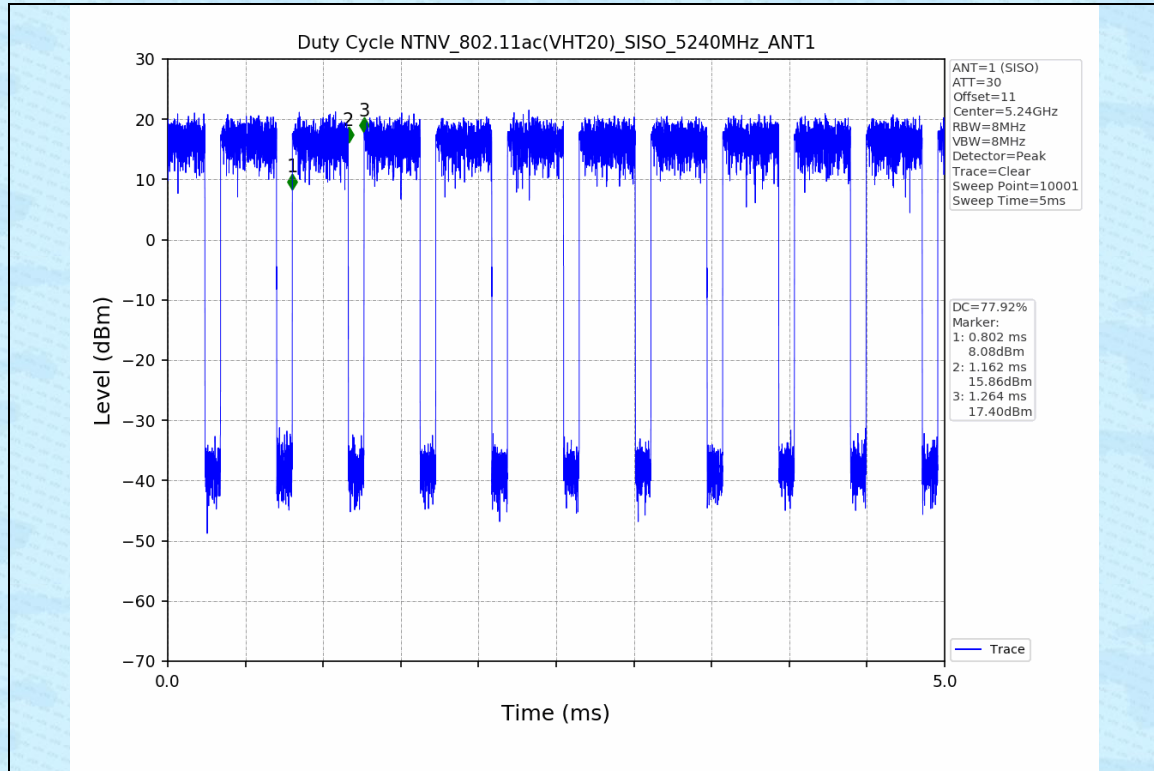
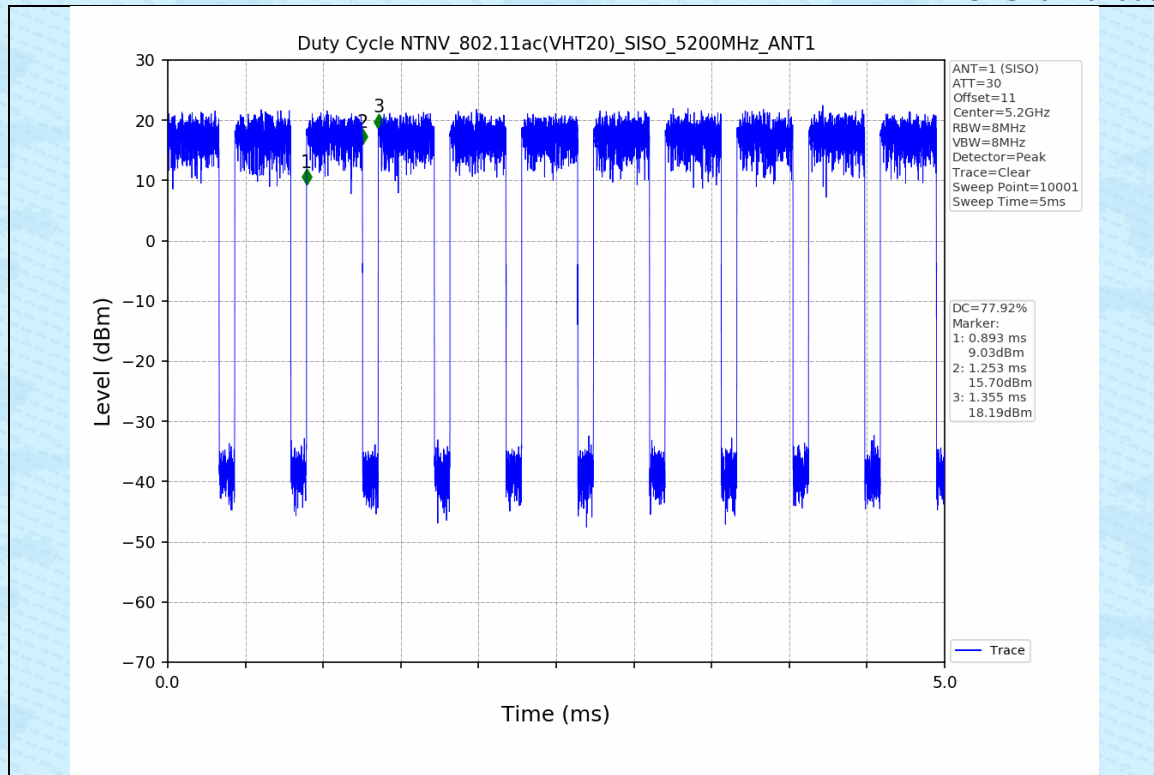


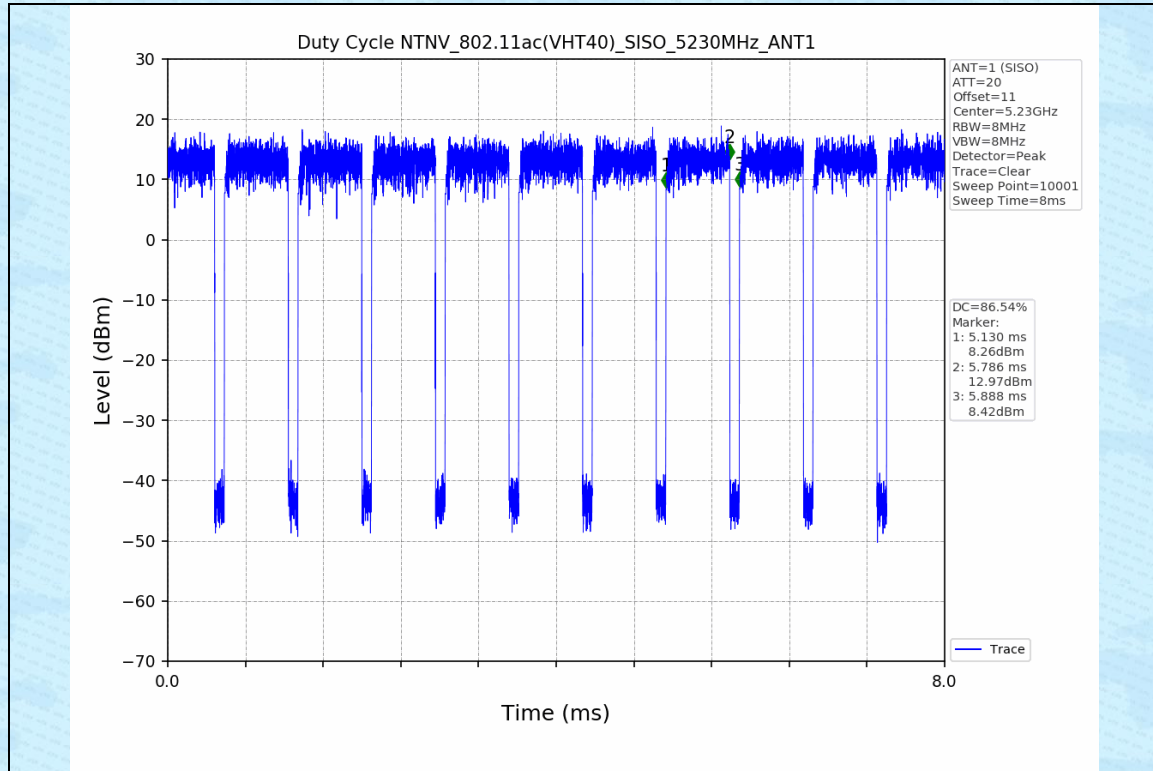
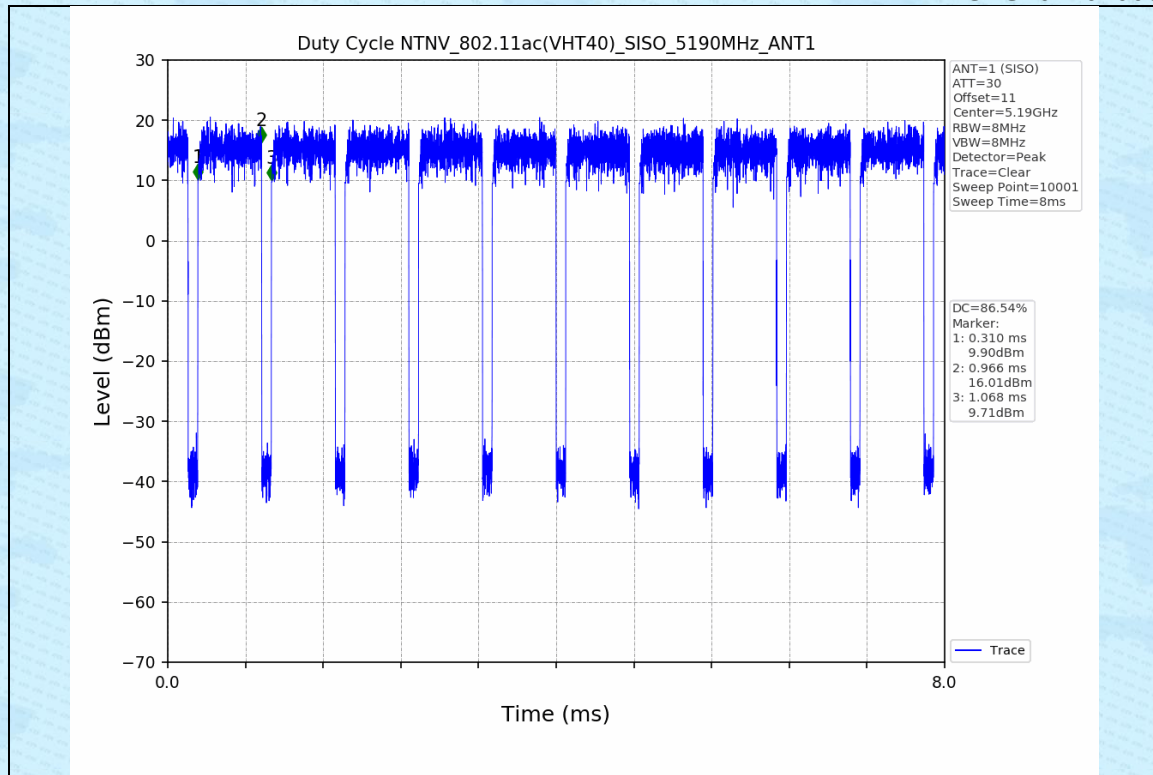


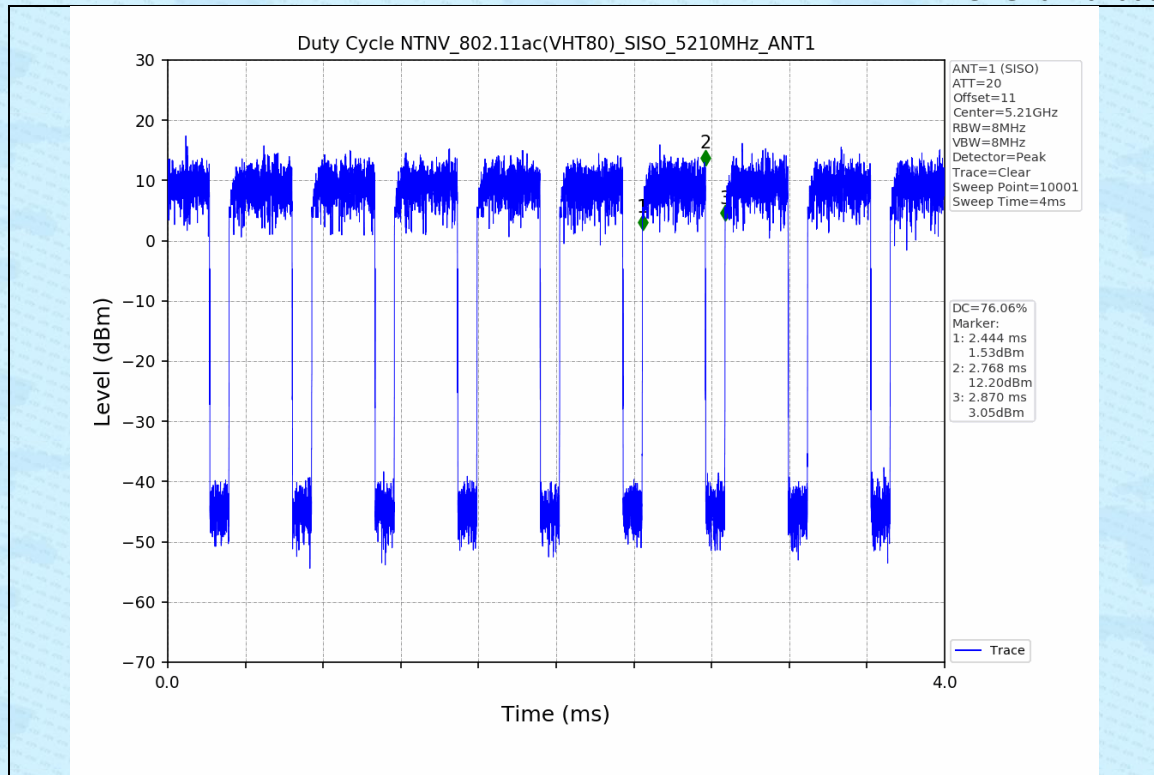












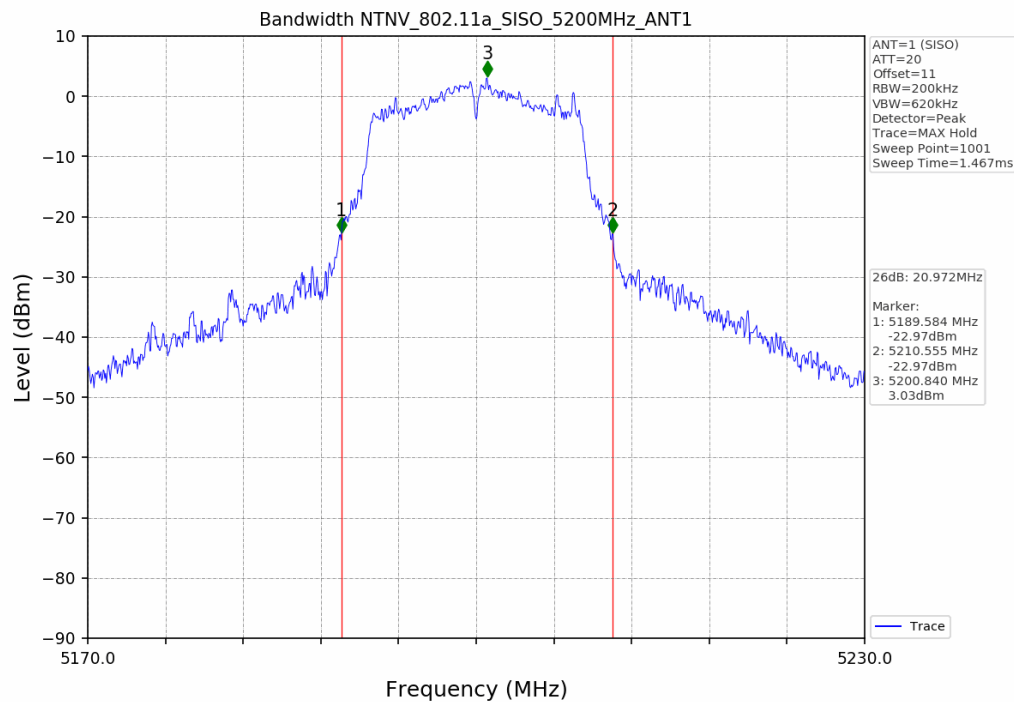
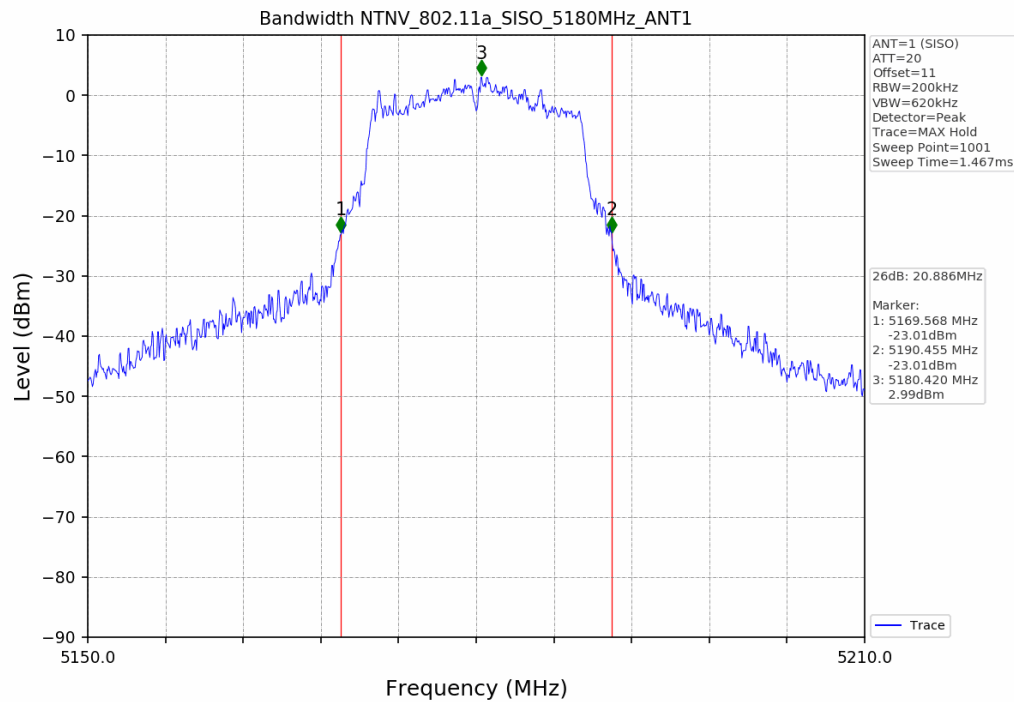
2. Bandwidth

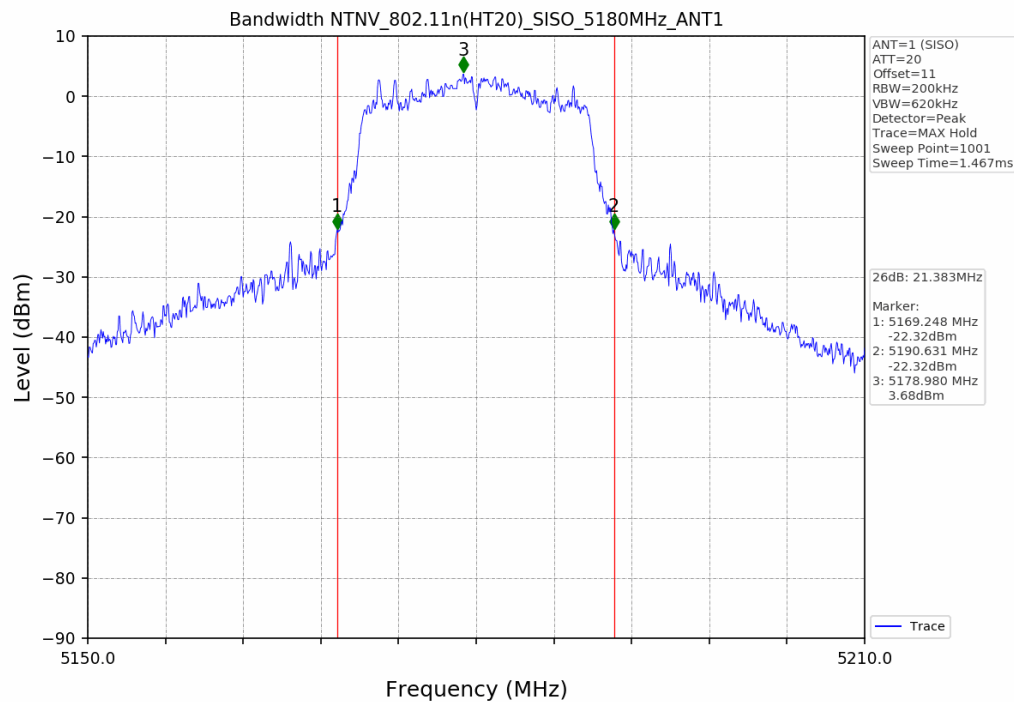
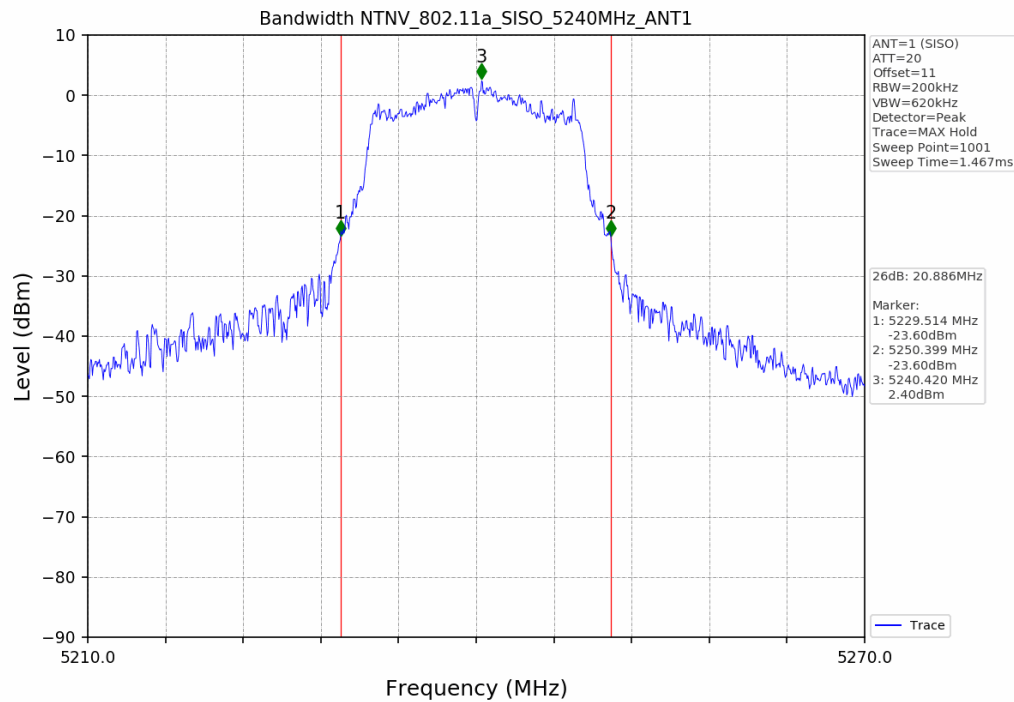
2.1 Test Result

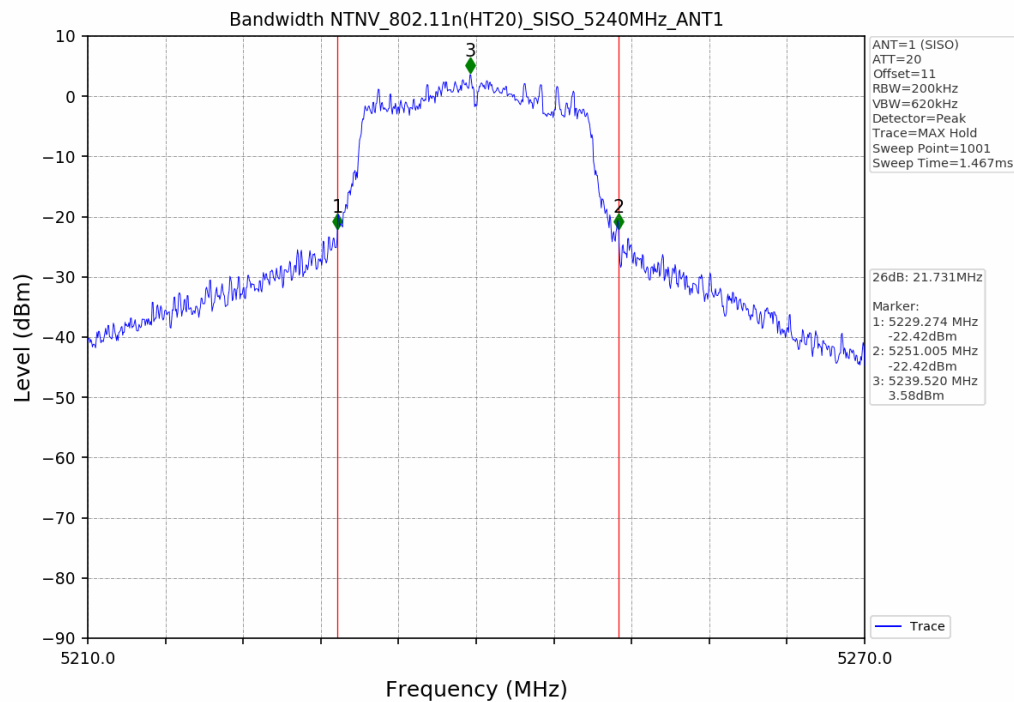
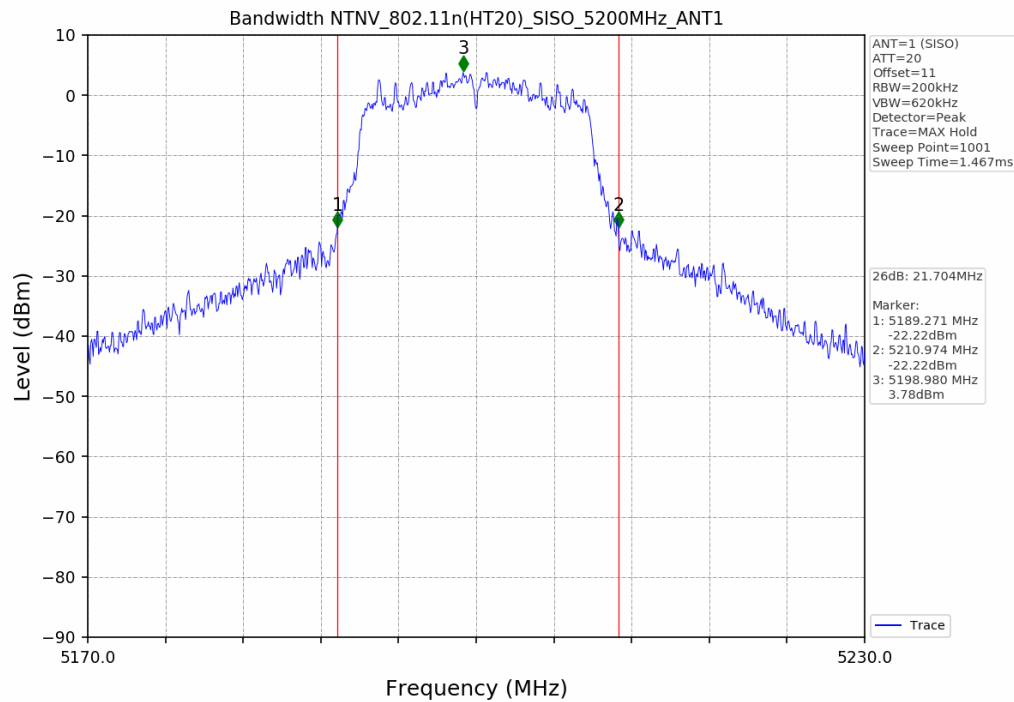
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	20.886	Only for Report Use	PASS
	5200	SISO	1	20.972	Only for Report Use	PASS
	5240	SISO	1	20.886	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	21.383	Only for Report Use	PASS
	5200	SISO	1	21.704	Only for Report Use	PASS
	5240	SISO	1	21.731	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	59.047	Only for Report Use	PASS
	5230	SISO	1	53.088	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	21.034	Only for Report Use	PASS
	5200	SISO	1	21.810	Only for Report Use	PASS
	5240	SISO	1	21.476	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	54.880	Only for Report Use	PASS
	5230	SISO	1	47.531	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	88.038	Only for Report Use	PASS

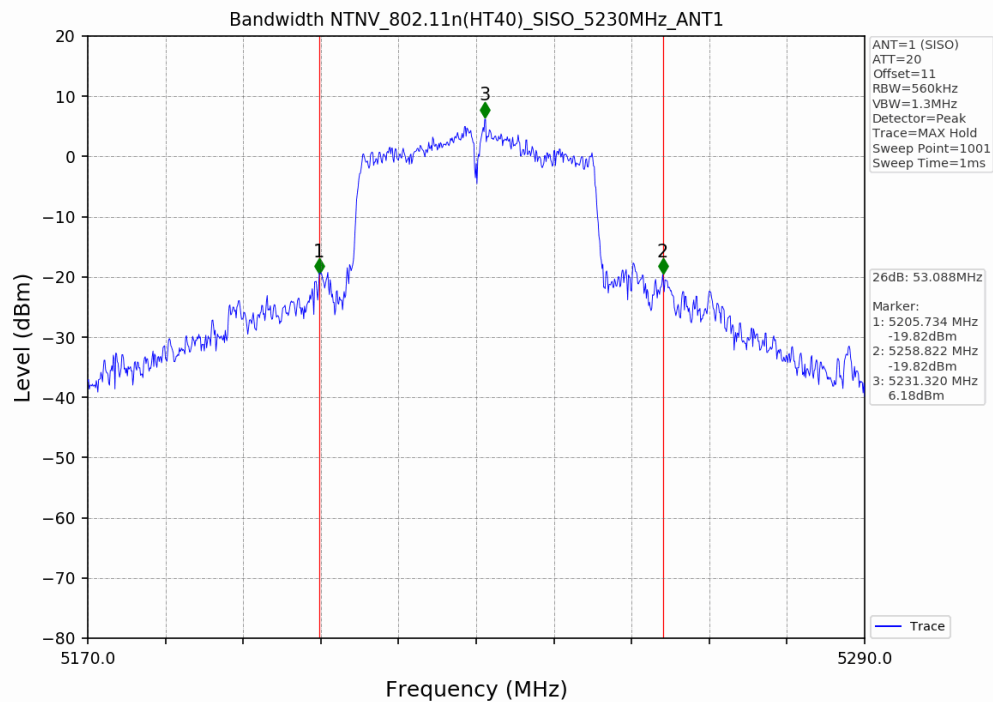
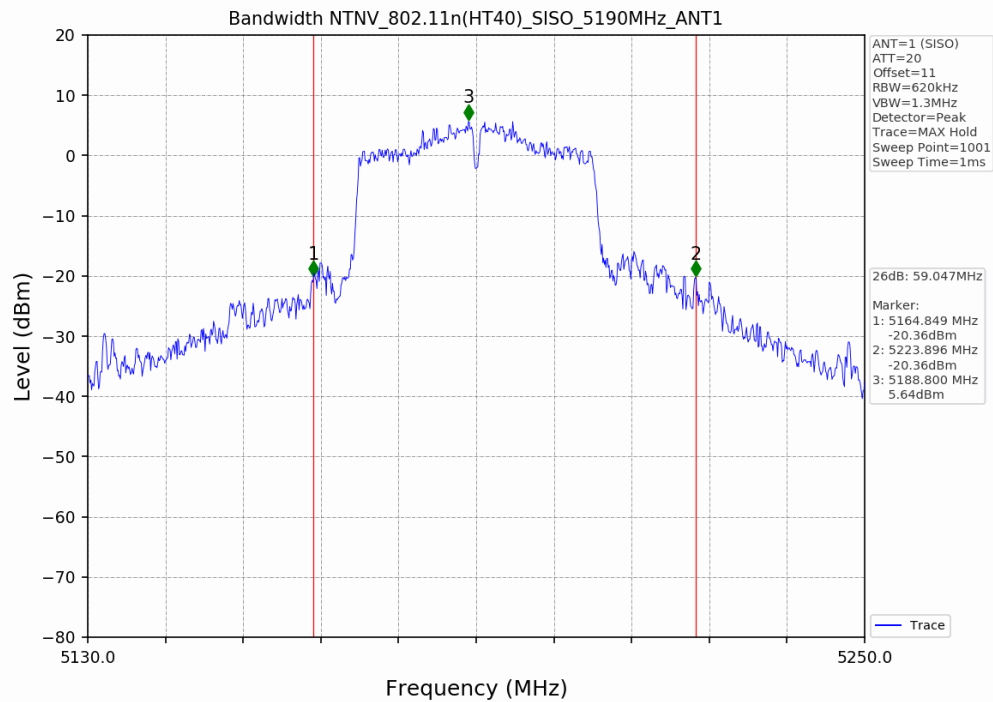
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.791	Only for Report Use
	5200	SISO	1	16.826	Only for Report Use
	5240	SISO	1	16.789	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.955	Only for Report Use
	5200	SISO	1	17.996	Only for Report Use
	5240	SISO	1	17.879	Only for Report Use
802.11n(HT40)	5190	SISO	1	37.080	Only for Report Use
	5230	SISO	1	36.978	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.926	Only for Report Use
	5200	SISO	1	17.996	Only for Report Use
	5240	SISO	1	17.933	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.829	Only for Report Use
	5230	SISO	1	36.629	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	75.404	Only for Report Use

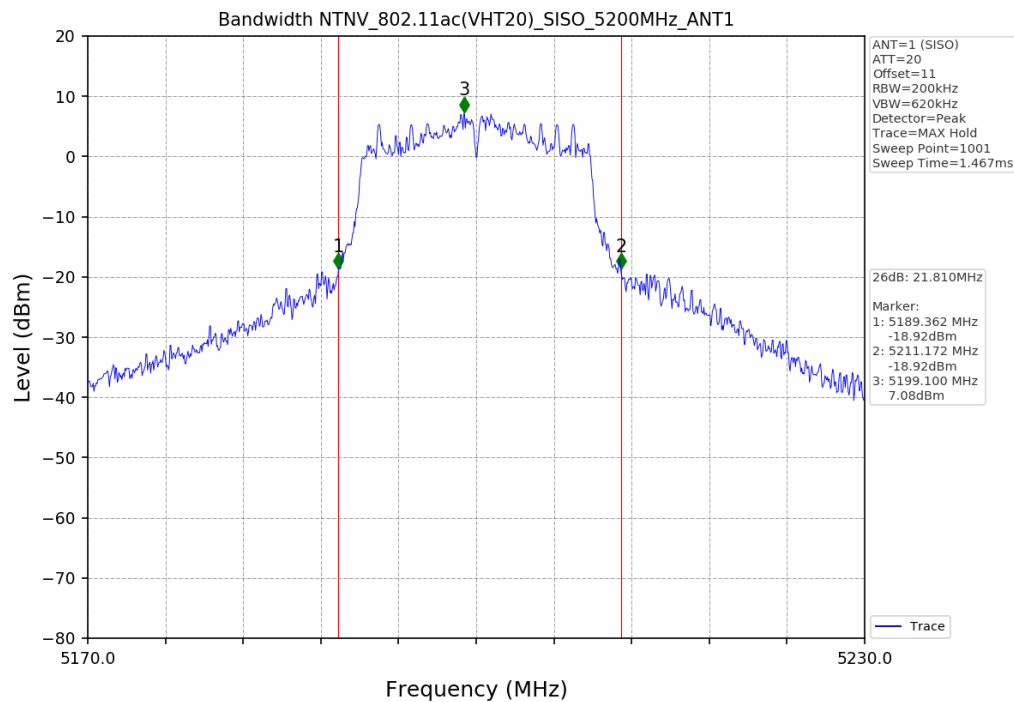
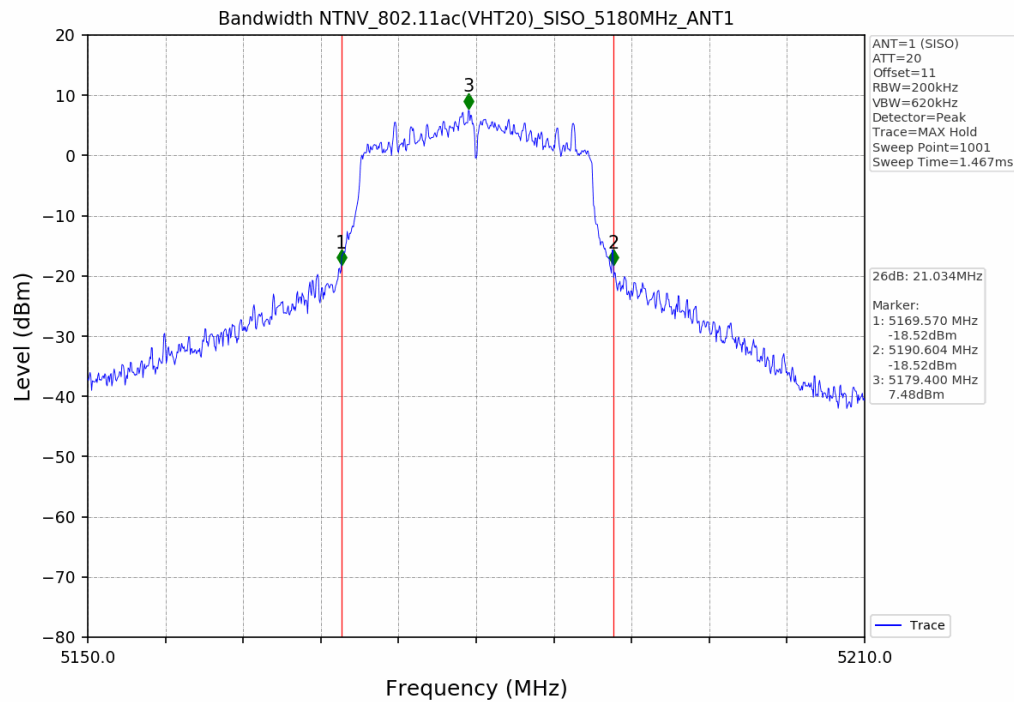
2.2 Test Graph - Emission Bandwidth

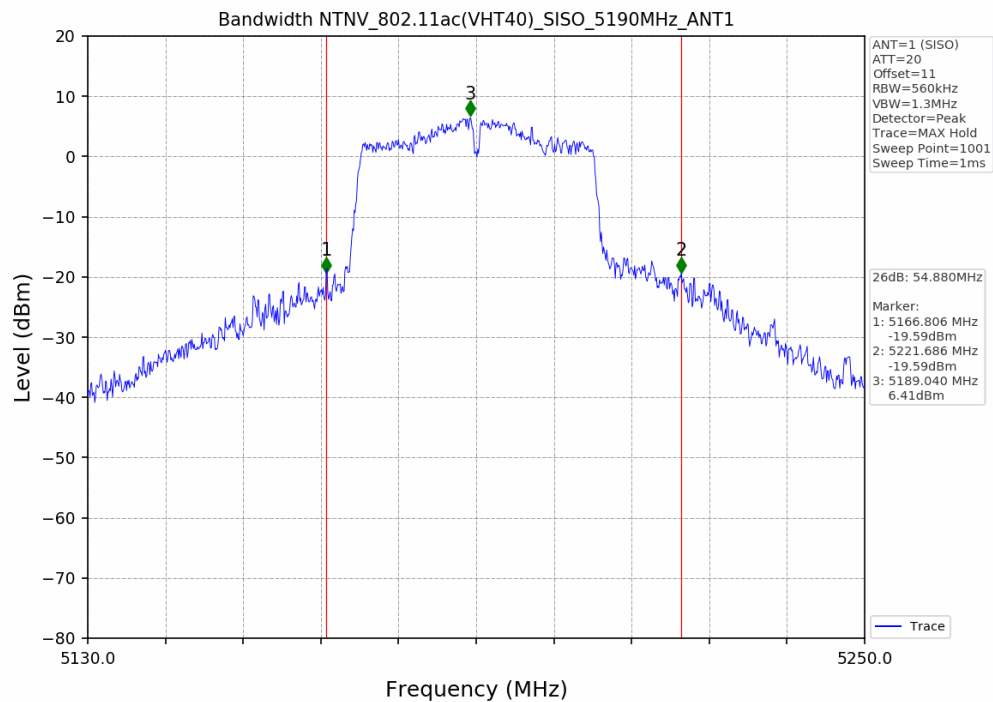
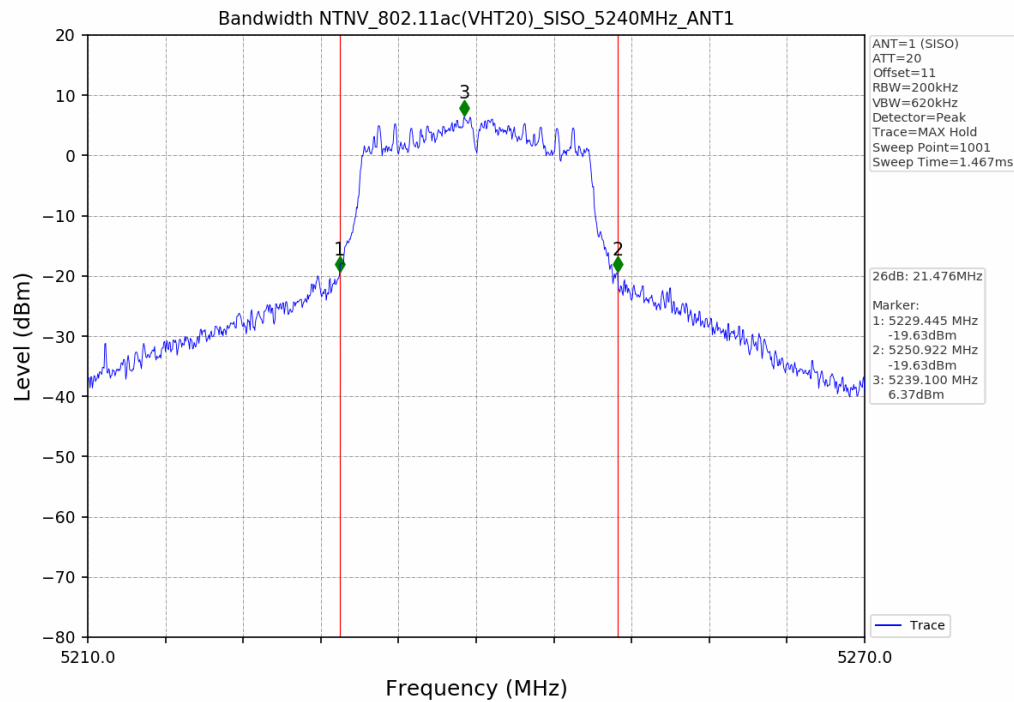


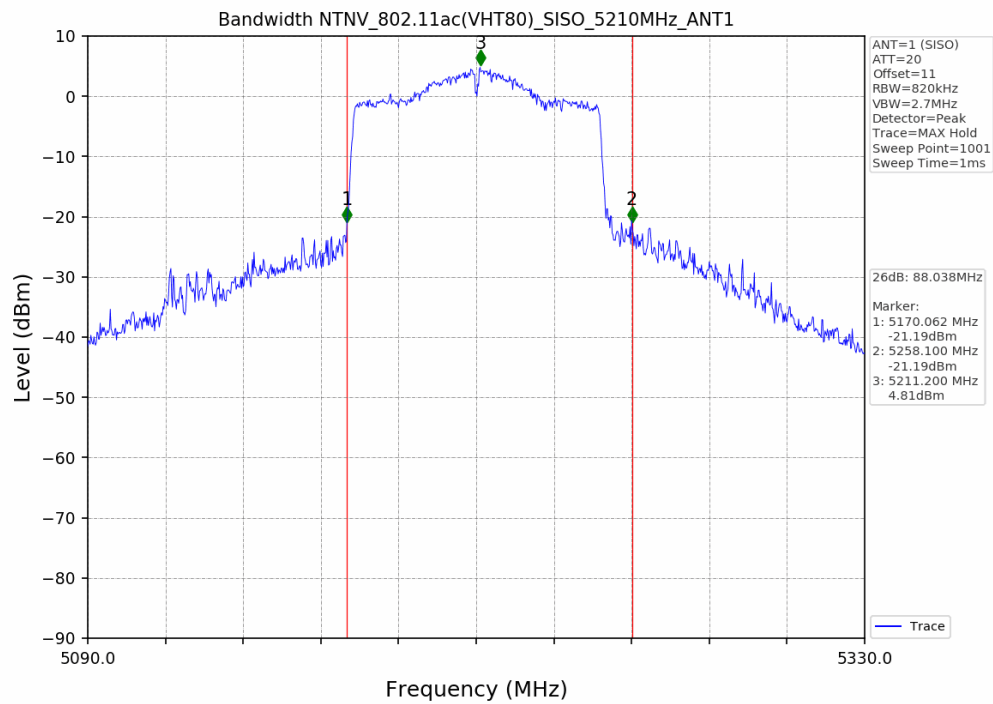
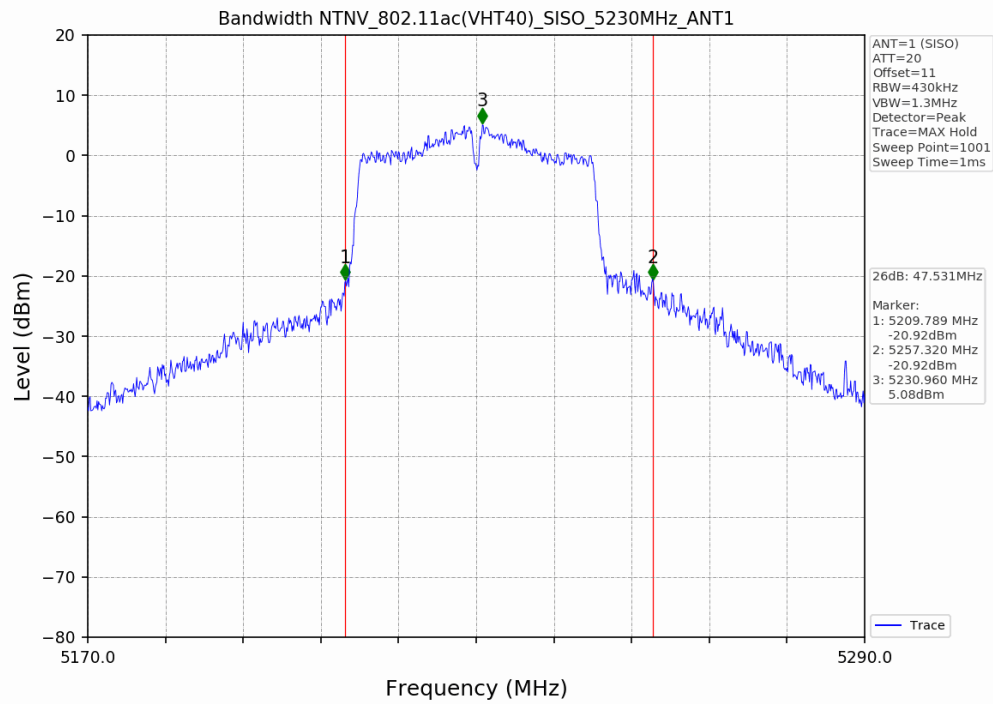




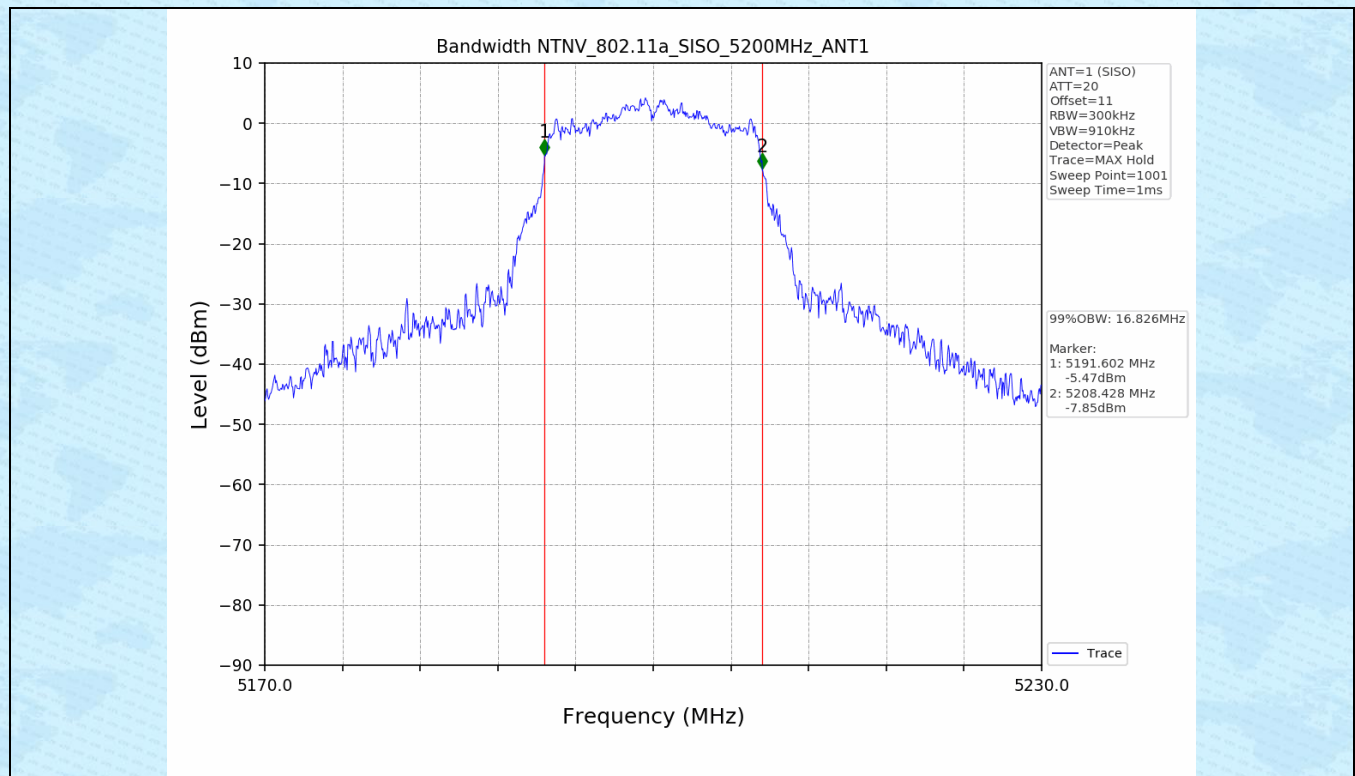
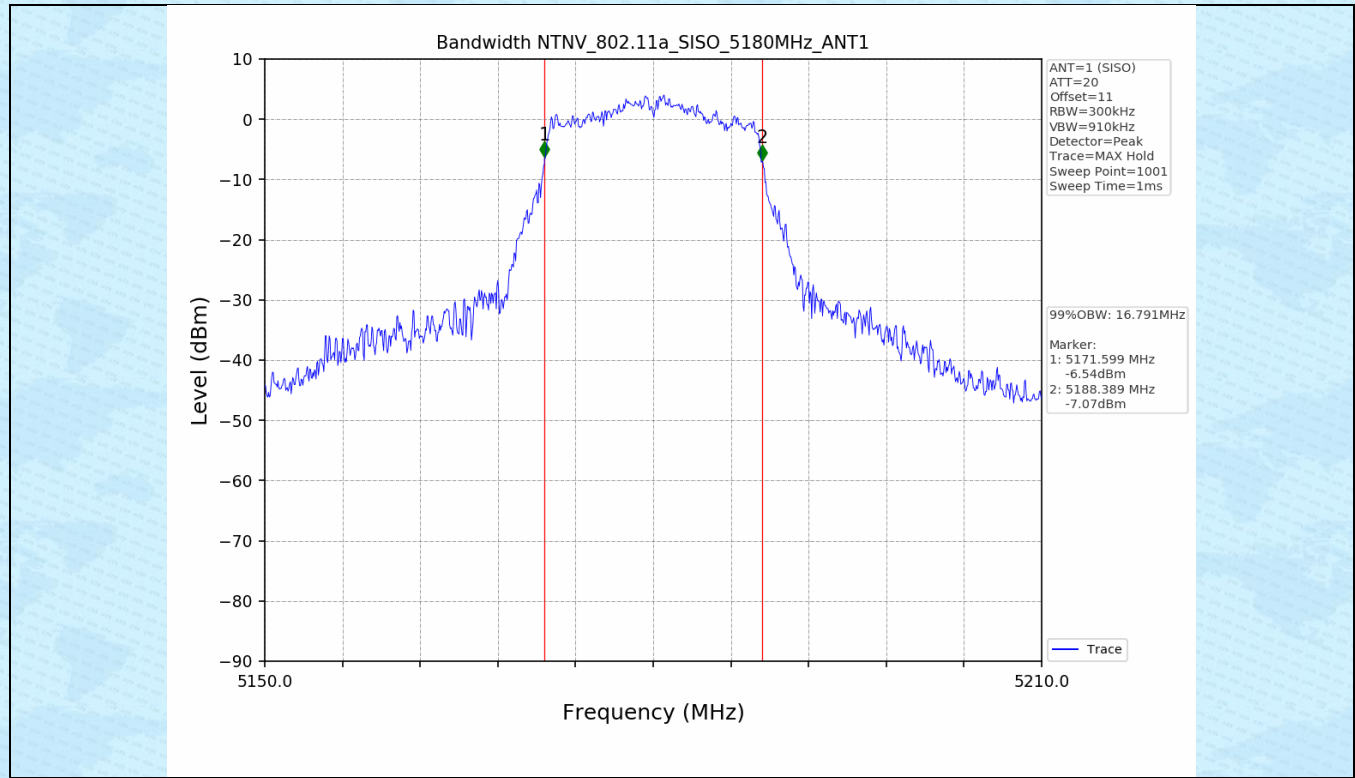


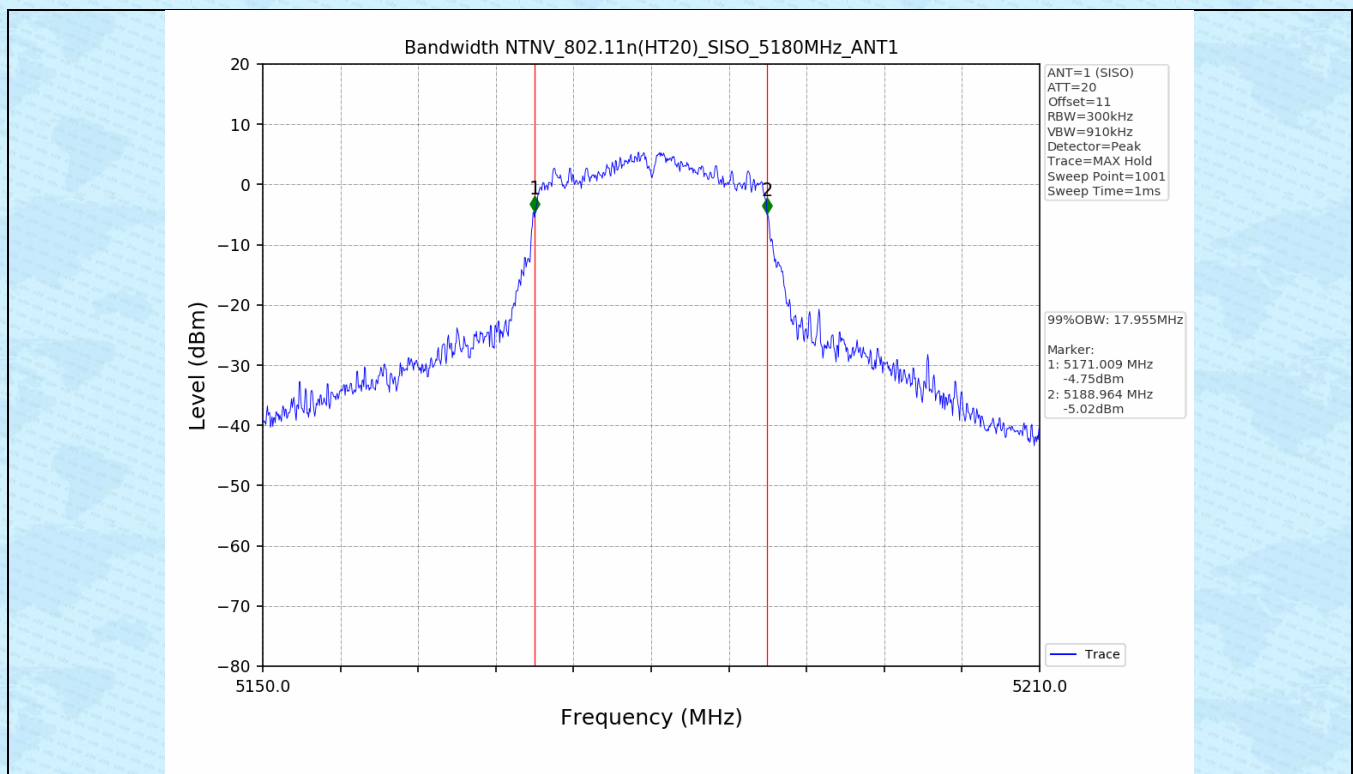
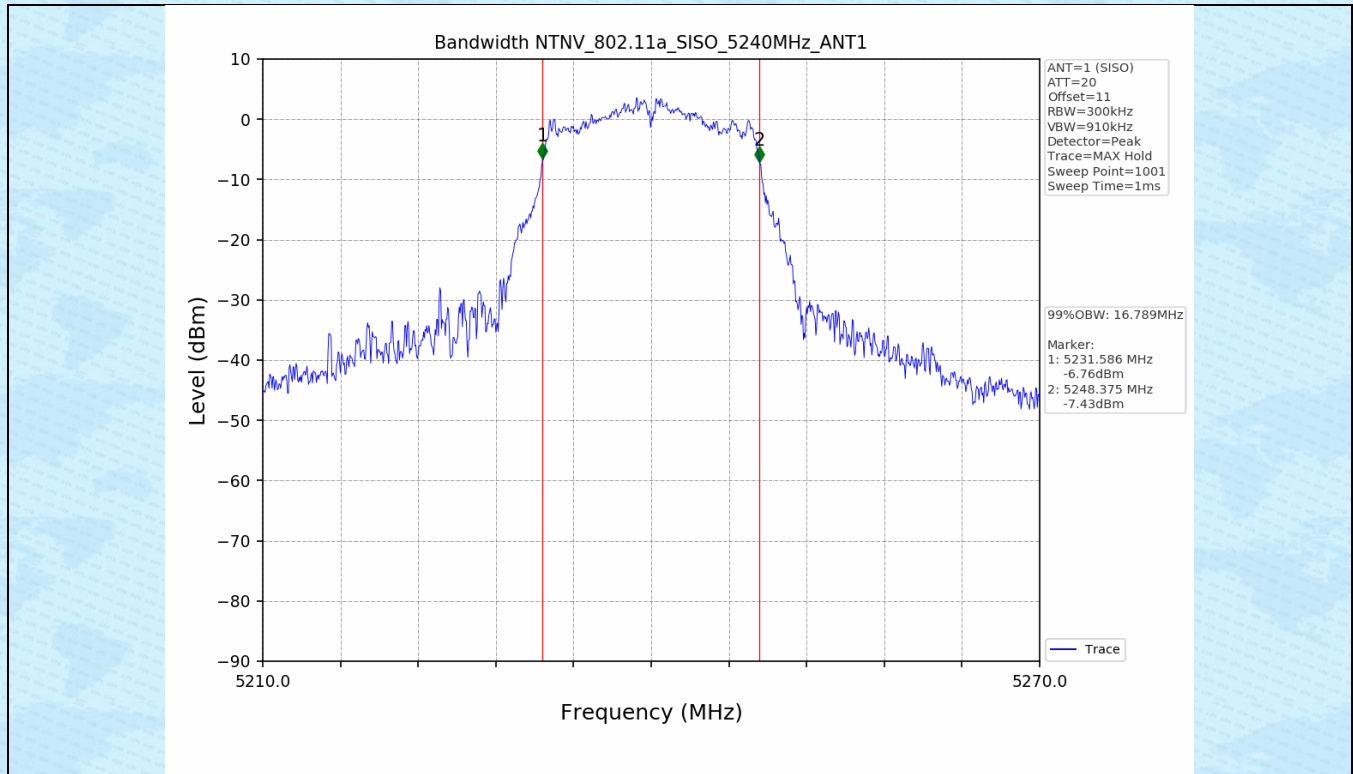


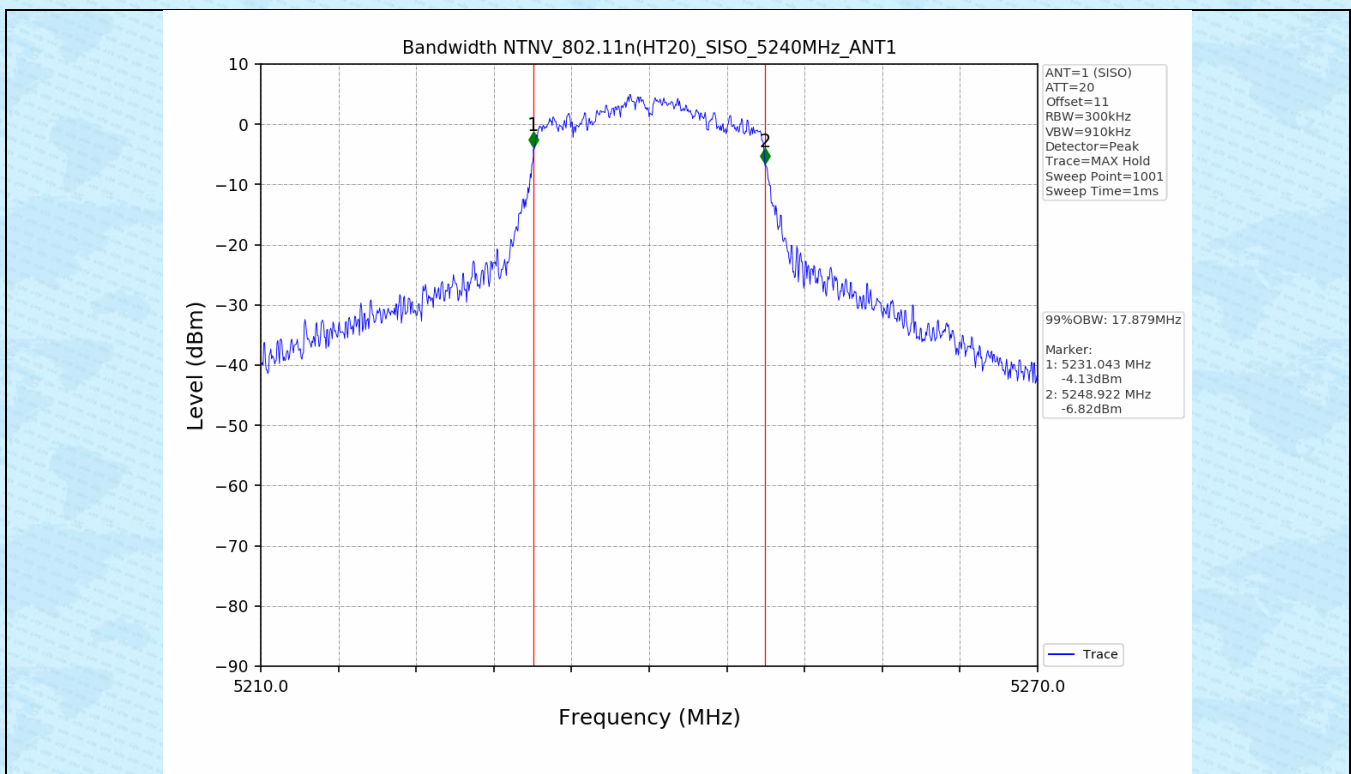
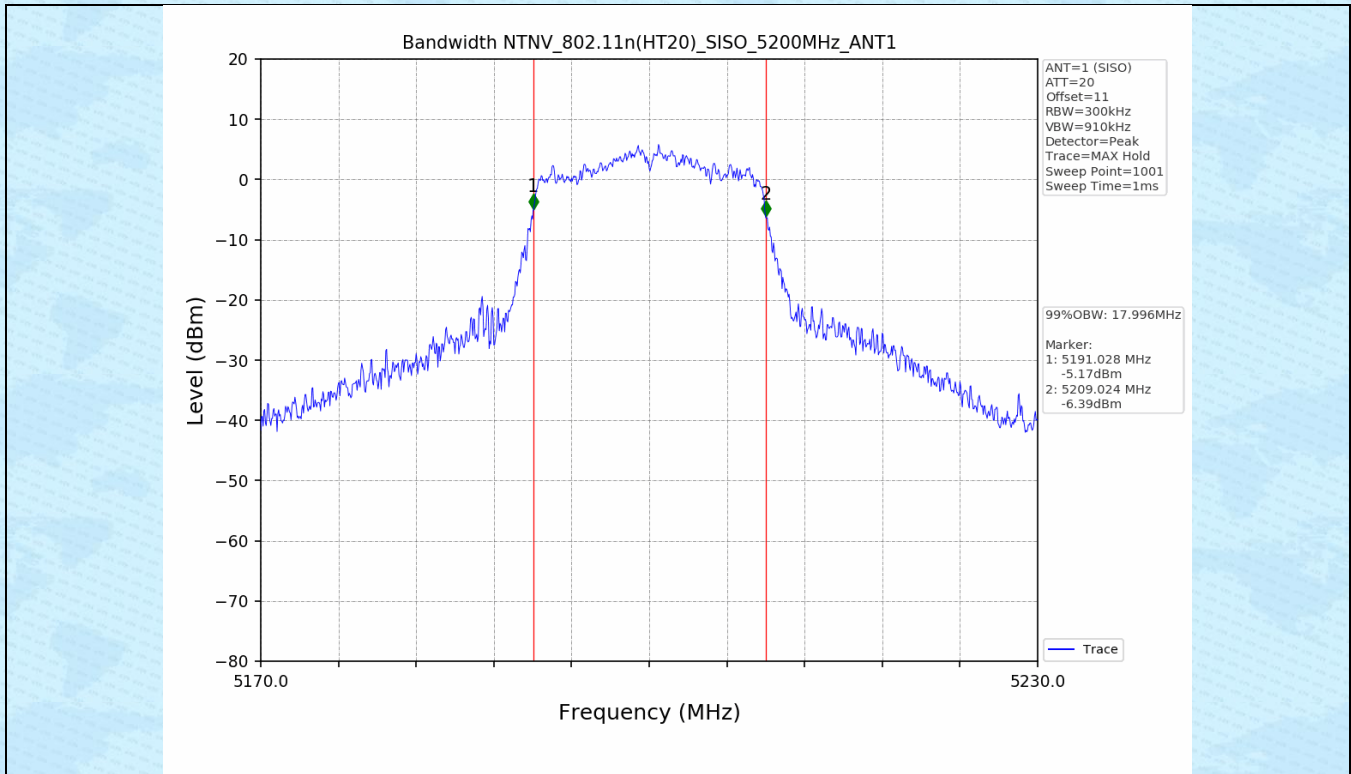


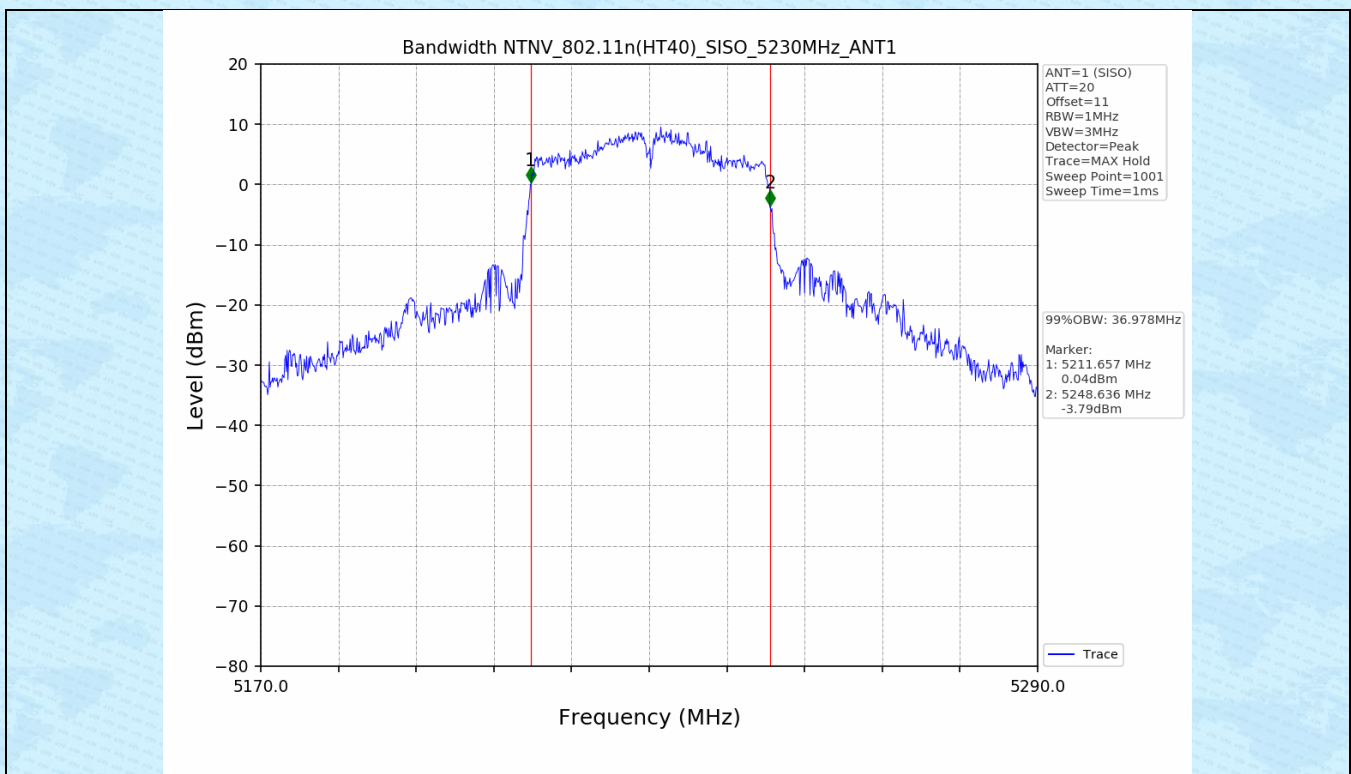
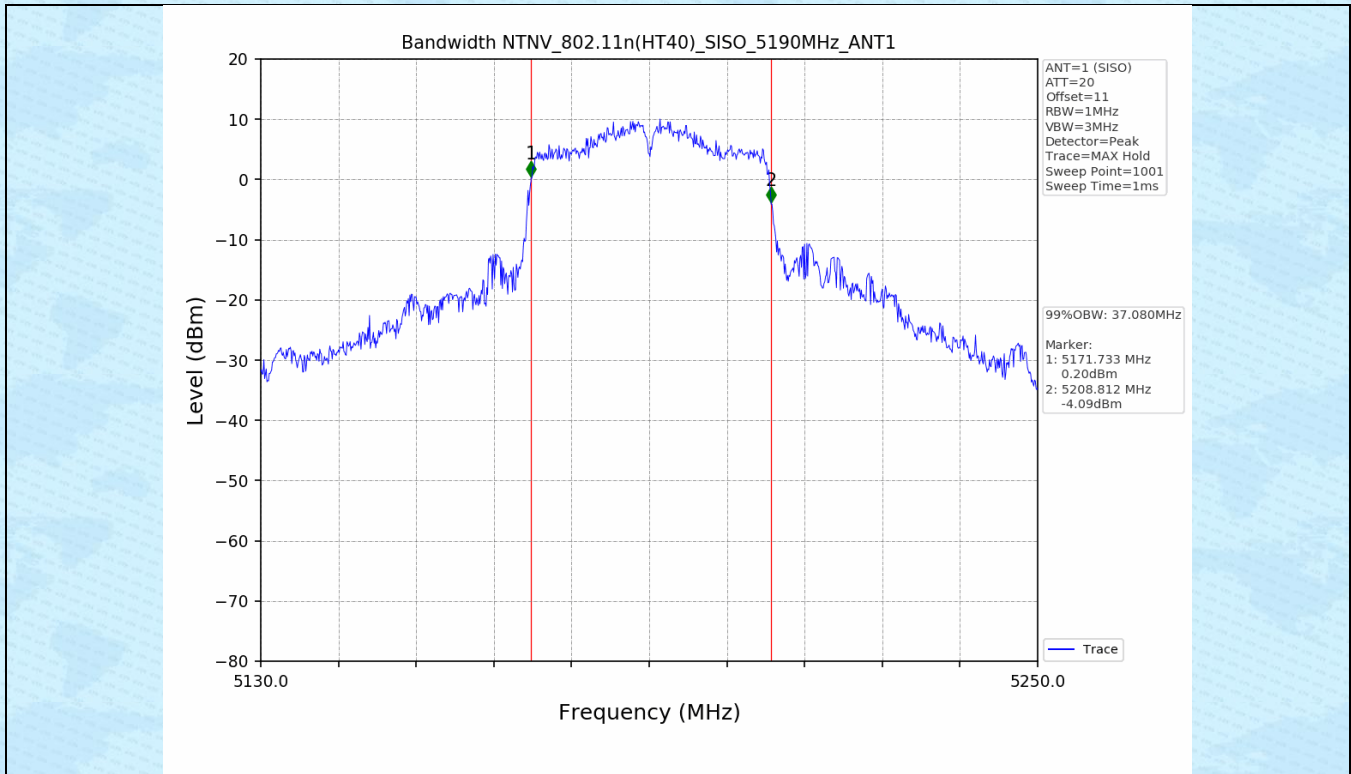


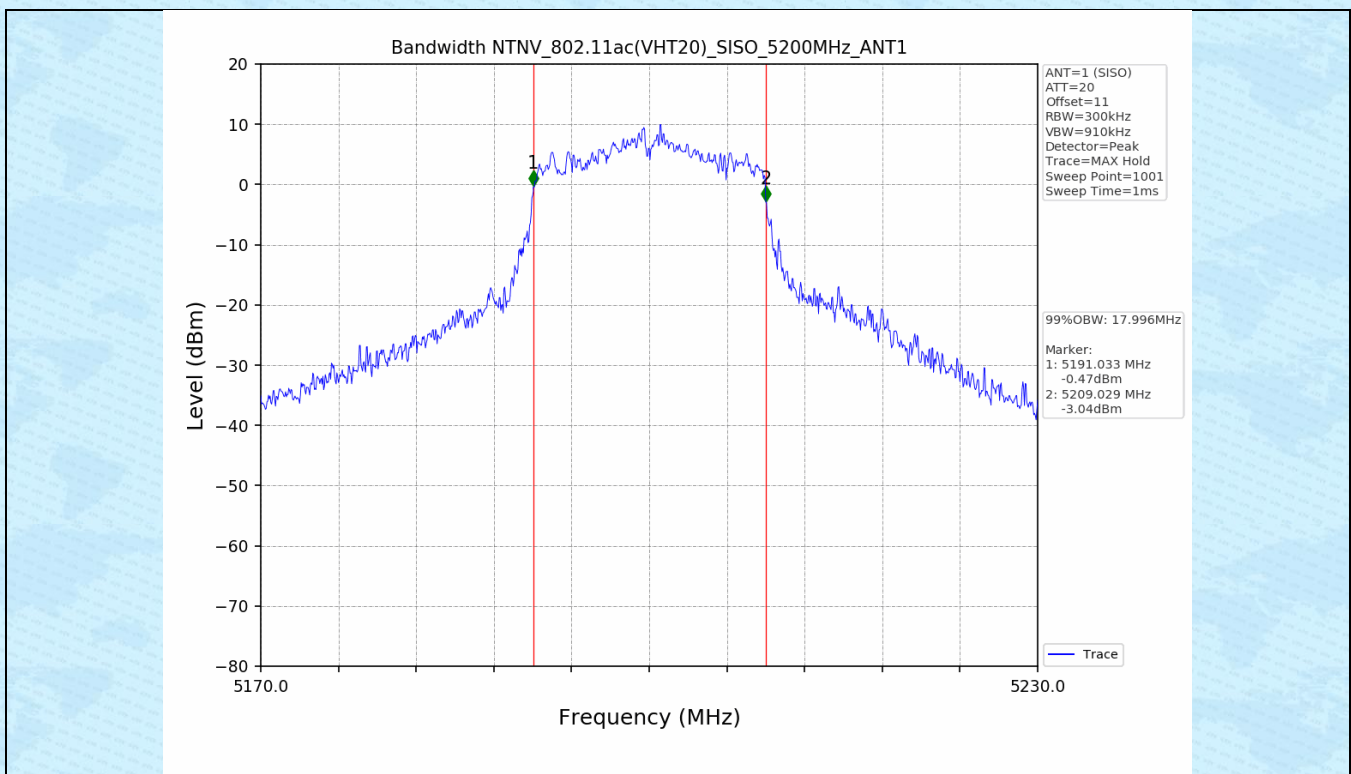
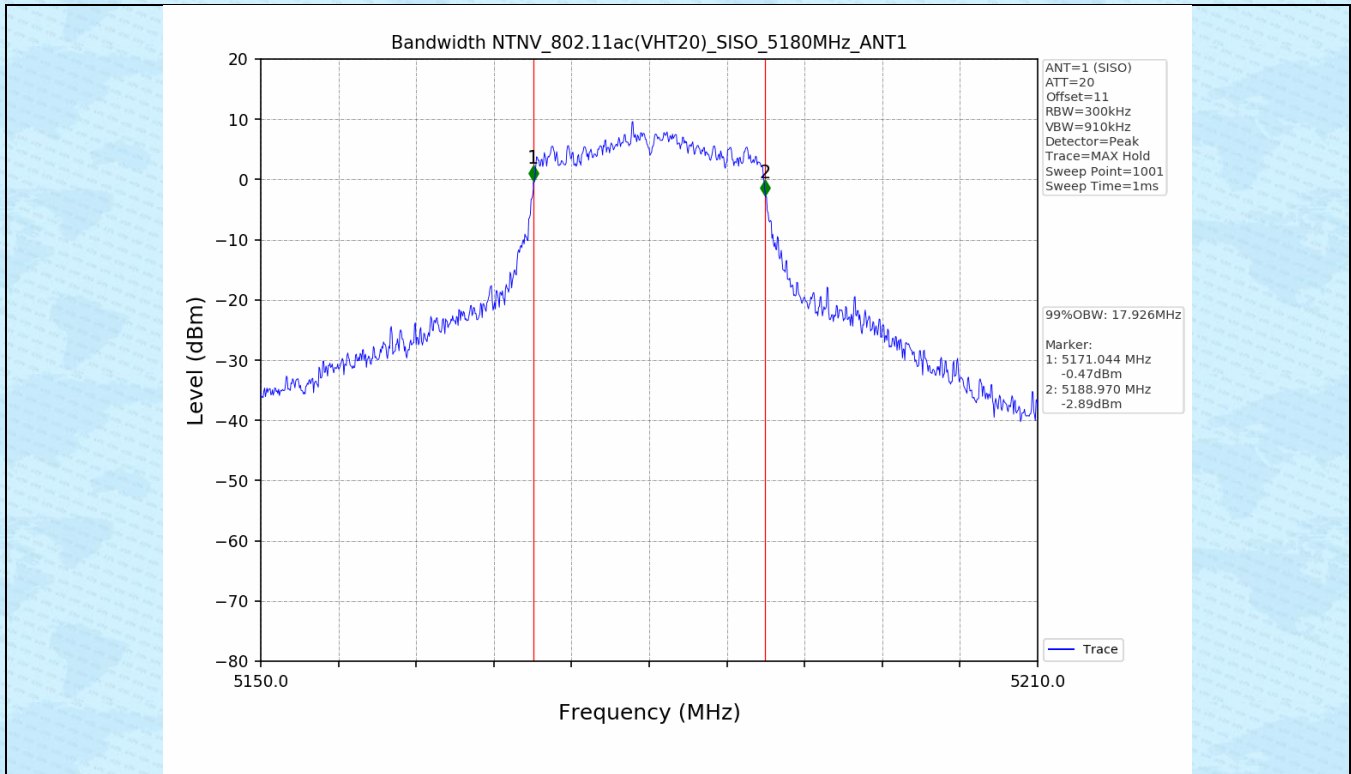
2.3 Test Graph - 99% Occupied Bandwidth

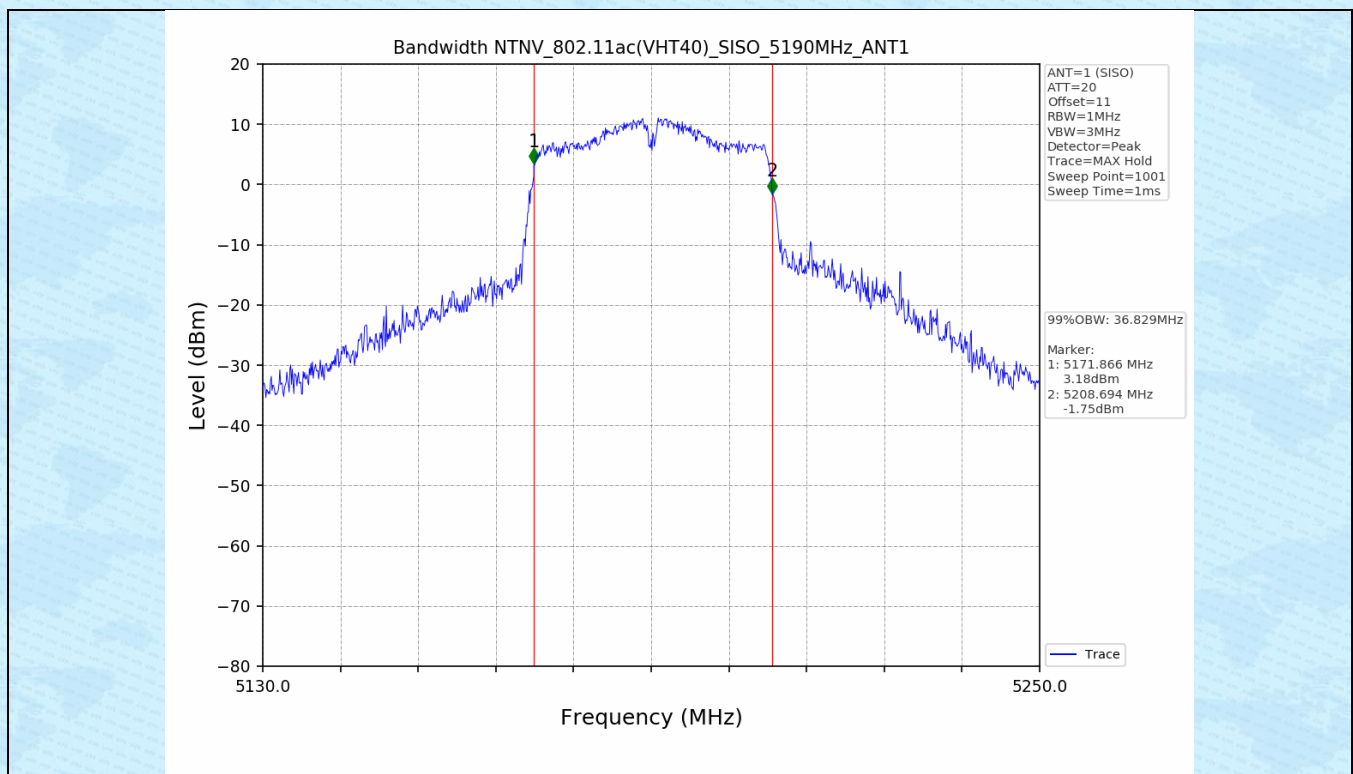
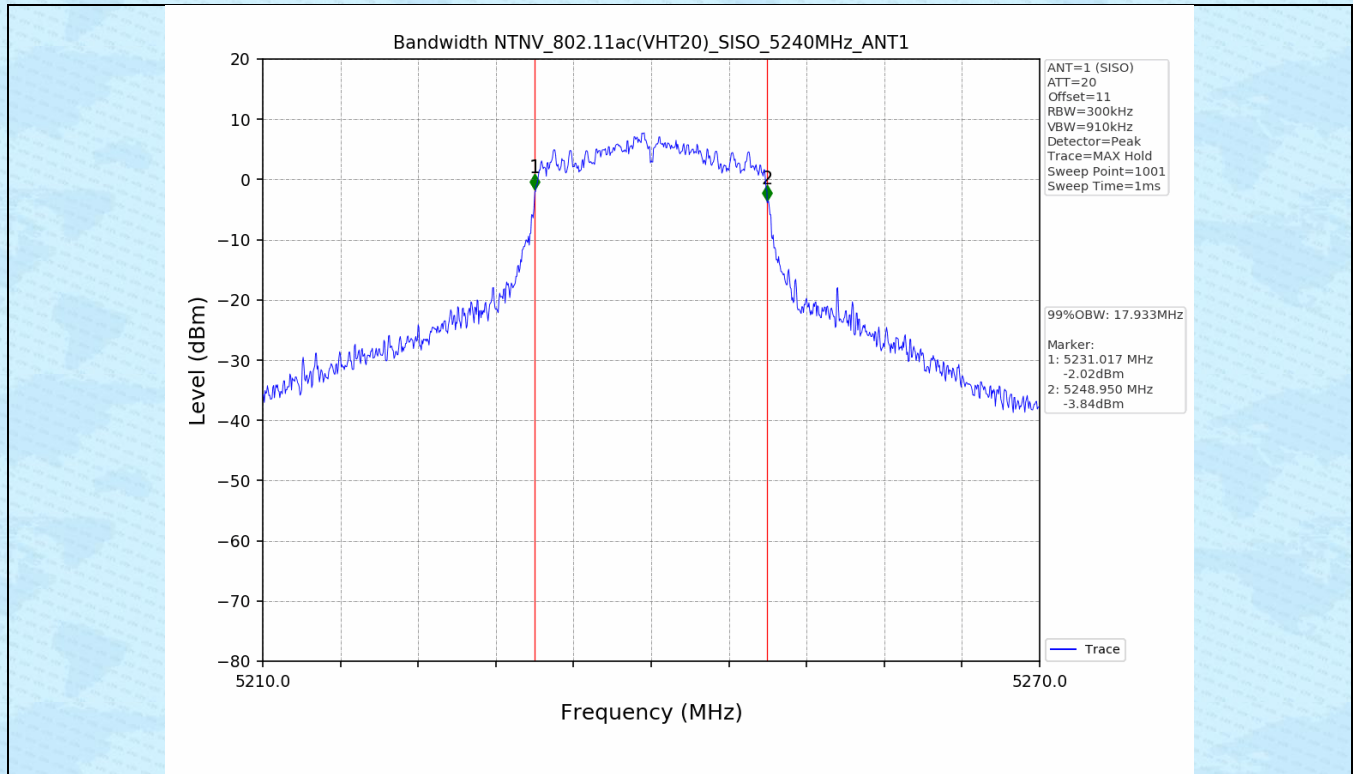


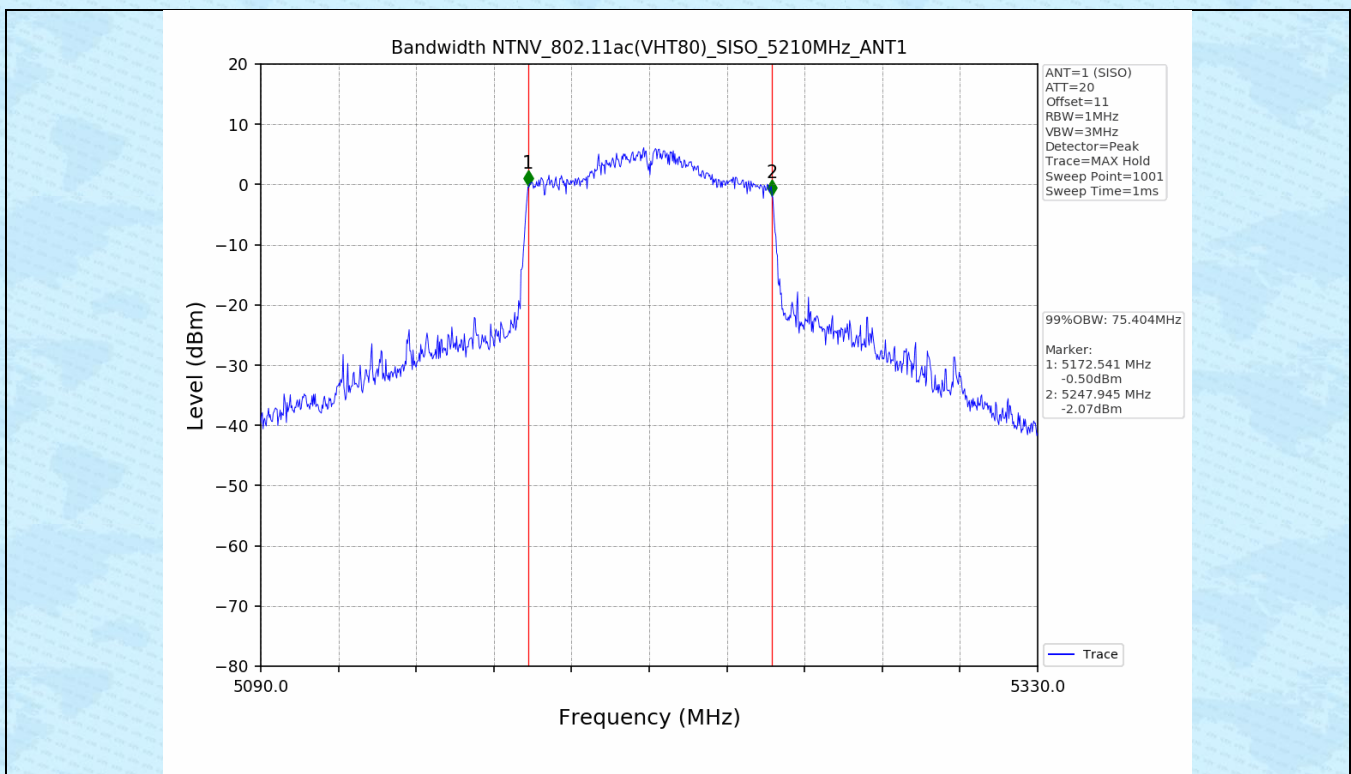
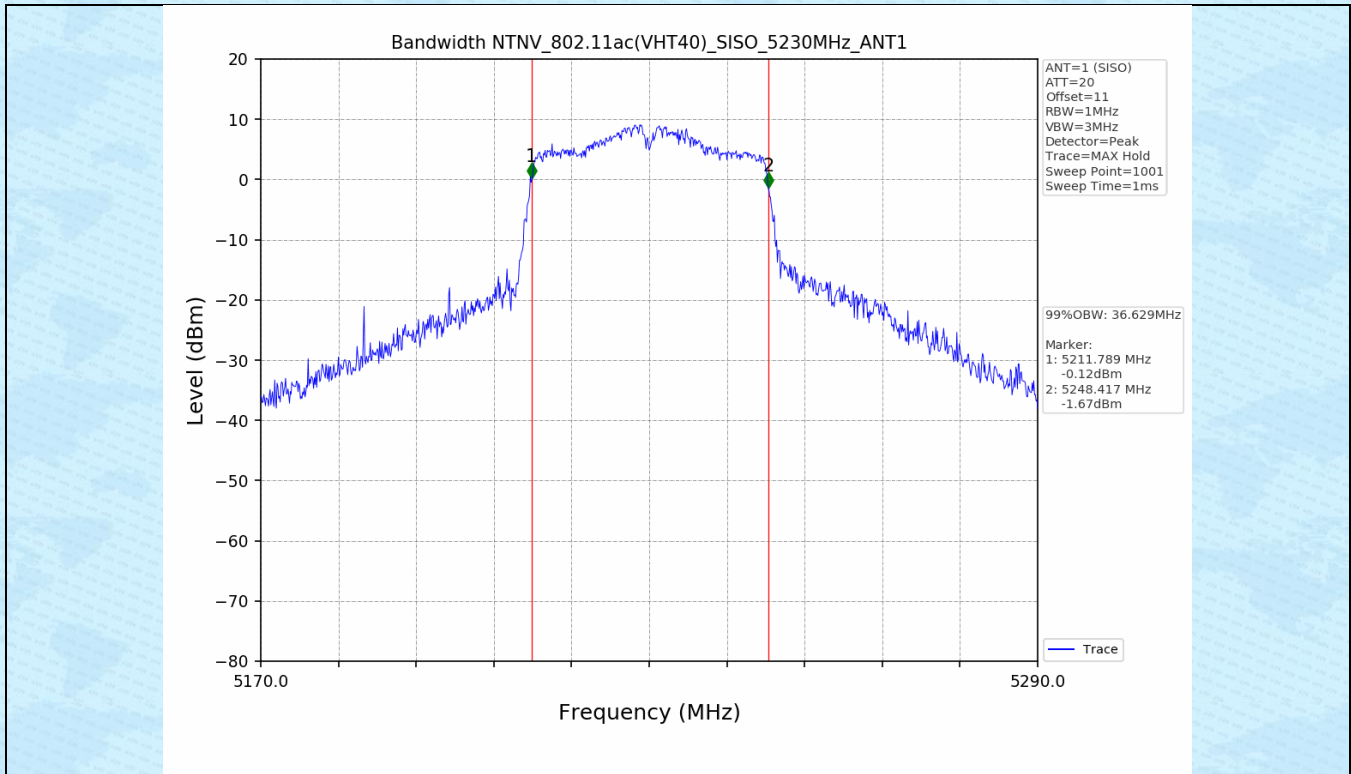












3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5180	SISO	11.43	≤23.98	PASS
	5200	SISO	11.32	≤23.98	PASS
	5240	SISO	10.63	≤23.98	PASS
802.11n(HT20)	5180	SISO	12.81	≤23.98	PASS
	5200	SISO	12.82	≤23.98	PASS
	5240	SISO	12.09	≤23.98	PASS
802.11n(HT40)	5190	SISO	11.46	≤23.98	PASS
	5230	SISO	14.84	≤23.98	PASS
802.11ac(VHT20)	5180	SISO	14.62	≤23.98	PASS
	5200	SISO	14.67	≤23.98	PASS
	5240	SISO	13.93	≤23.98	PASS
802.11ac(VHT40)	5190	SISO	15.28	≤23.98	PASS
	5230	SISO	13.05	≤23.98	PASS
802.11ac(VHT80)	5210	SISO	12.30	≤23.98	PASS

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

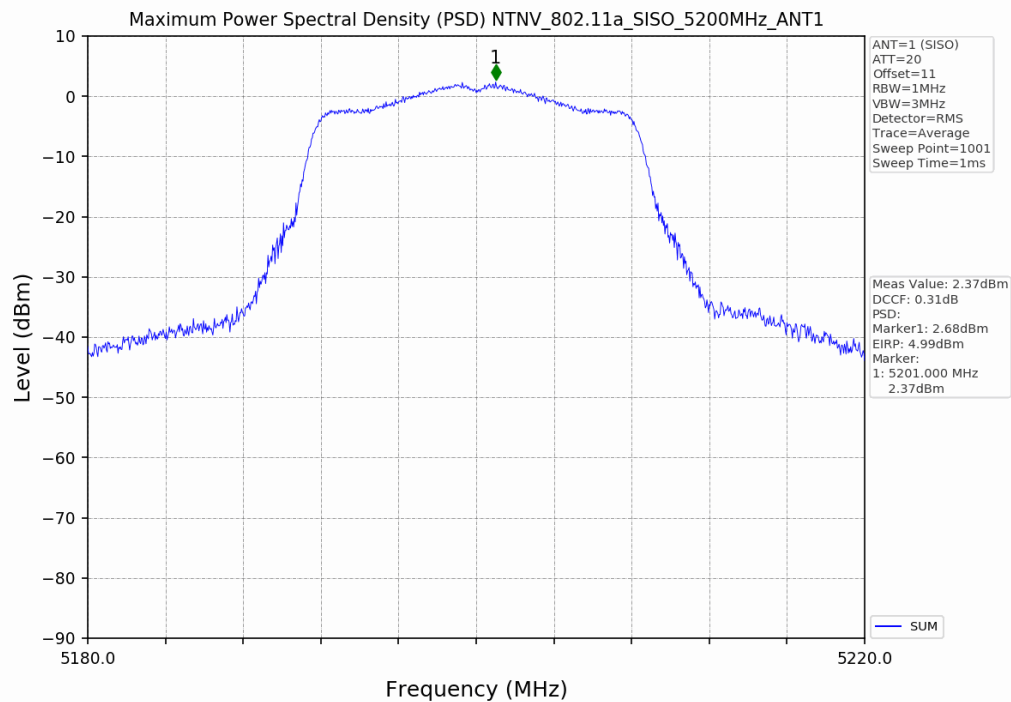
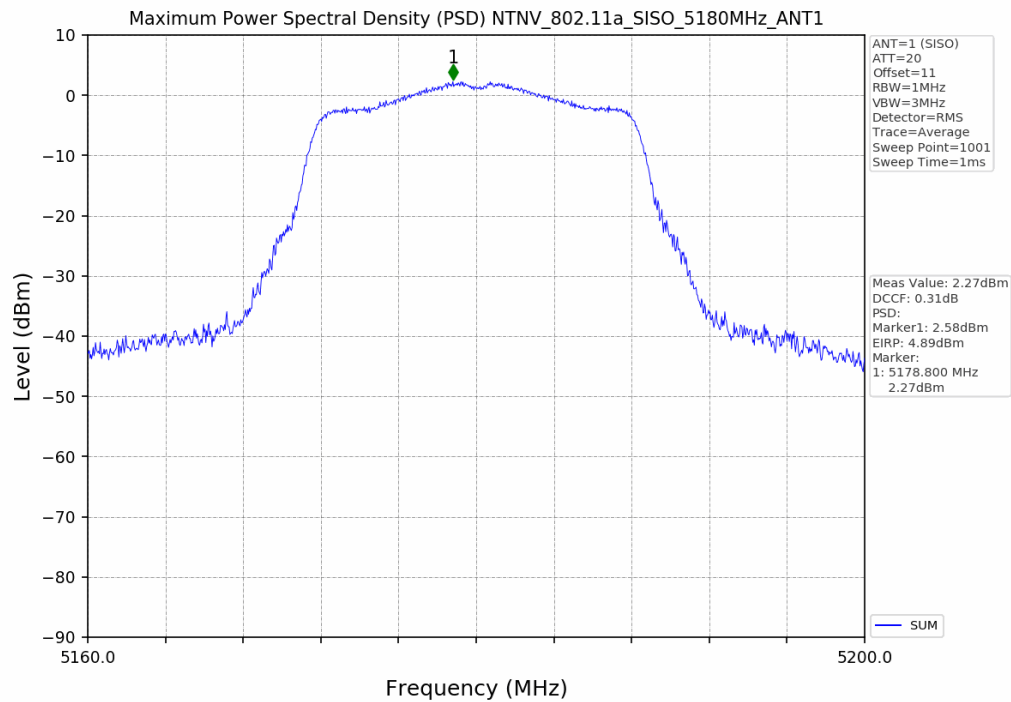
4. Maximum Power Spectral Density (PSD)

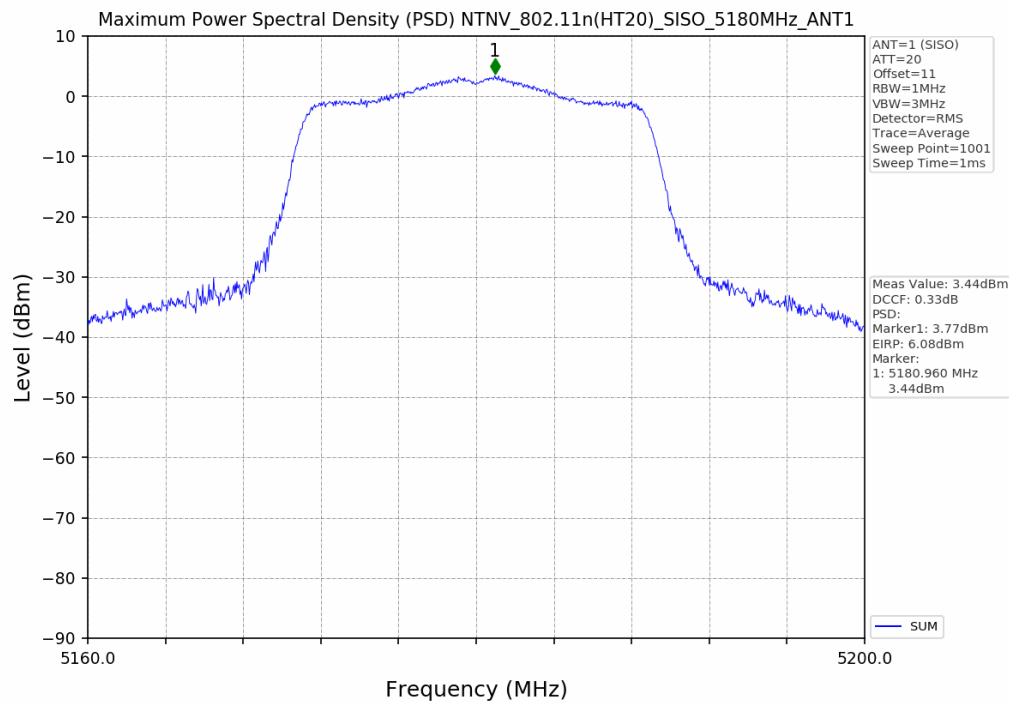
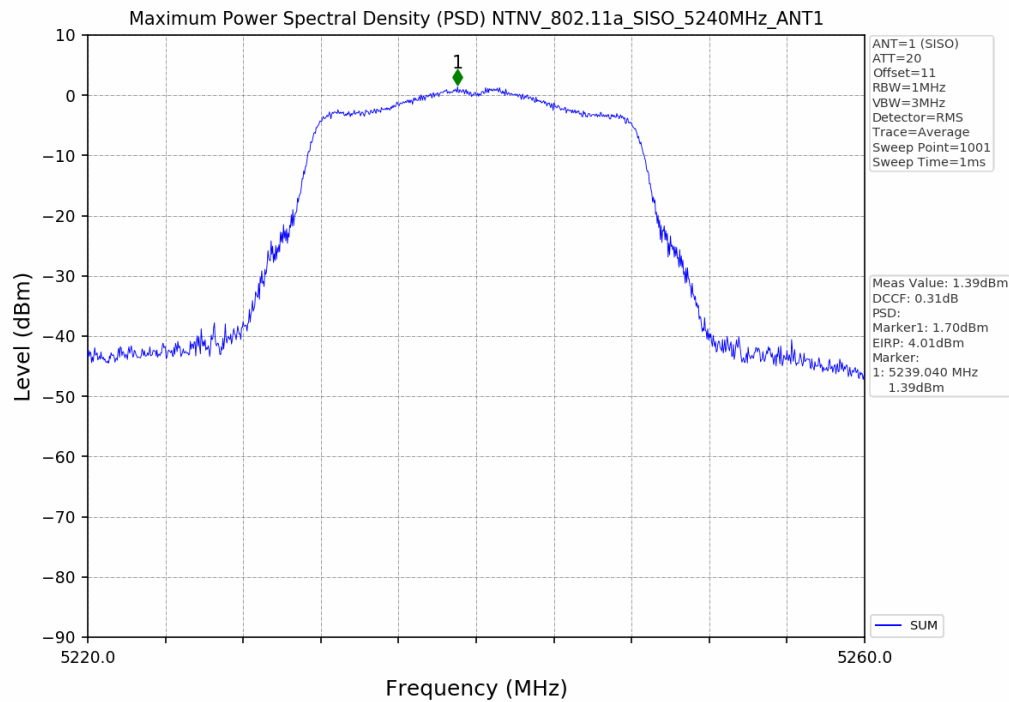
4.1 Test Result

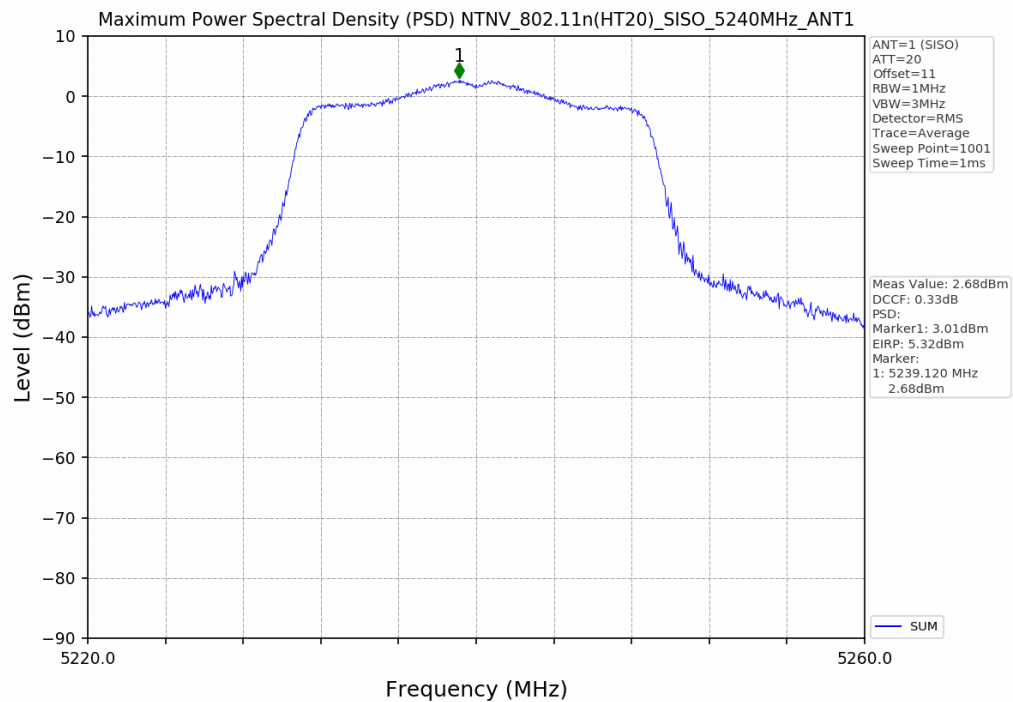
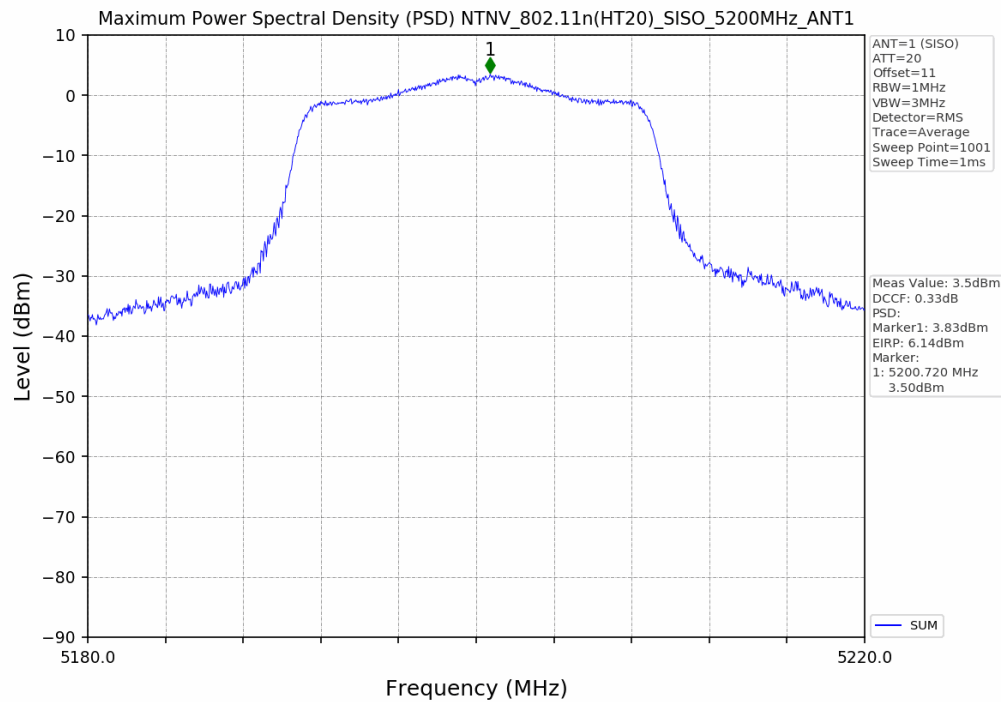
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
802.11a	5180	SISO	2.58	≤11	PASS
	5200	SISO	2.68	≤11	PASS
	5240	SISO	1.70	≤11	PASS
802.11n(HT20)	5180	SISO	3.77	≤11	PASS
	5200	SISO	3.83	≤11	PASS
	5240	SISO	3.01	≤11	PASS
802.11n(HT40)	5190	SISO	1.61	≤11	PASS
	5230	SISO	2.82	≤11	PASS
802.11ac(VHT20)	5180	SISO	6.79	≤11	PASS
	5200	SISO	6.40	≤11	PASS
	5240	SISO	5.81	≤11	PASS
802.11ac(VHT40)	5190	SISO	3.15	≤11	PASS
	5230	SISO	1.51	≤11	PASS
802.11ac(VHT80)	5210	SISO	-1.45	≤11	PASS

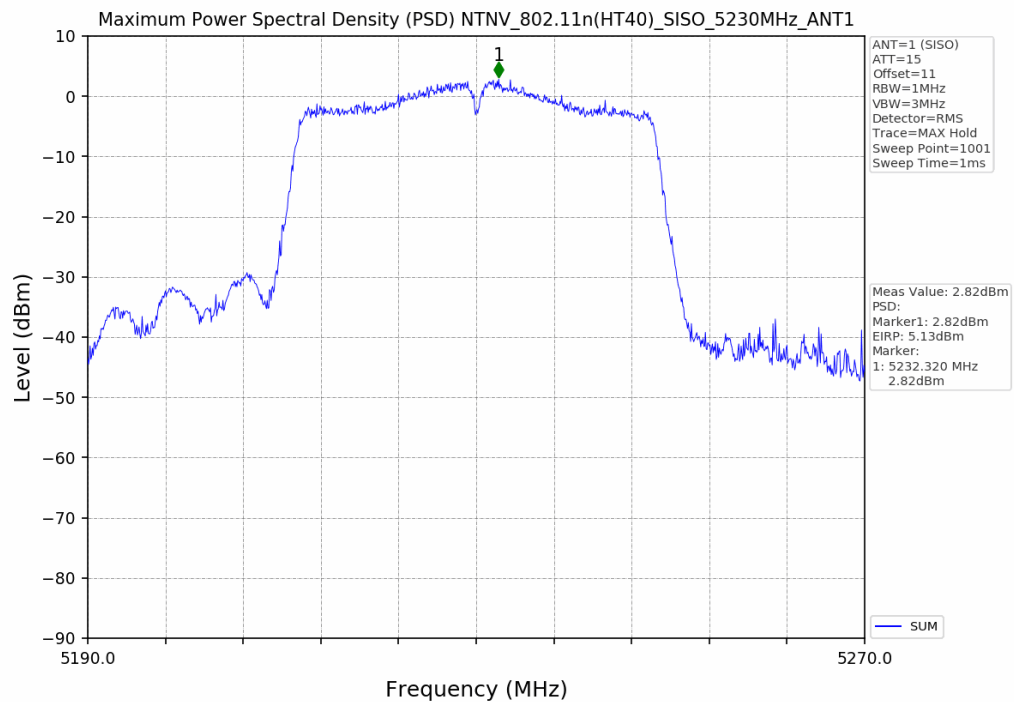
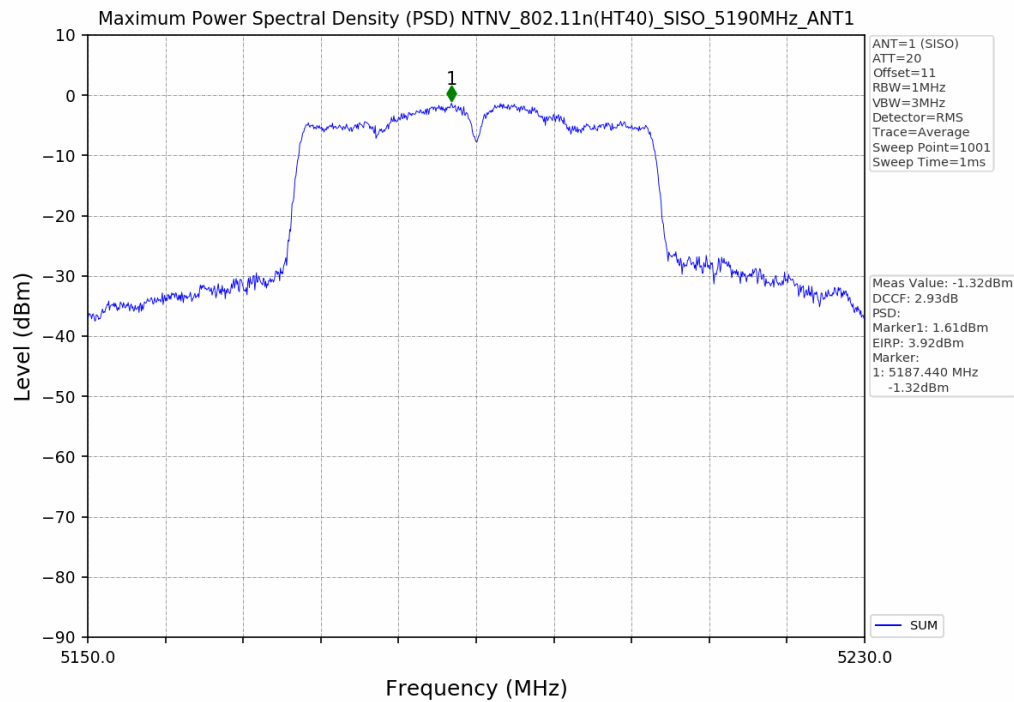
Note: The duty cycle factor is compensate in the result.

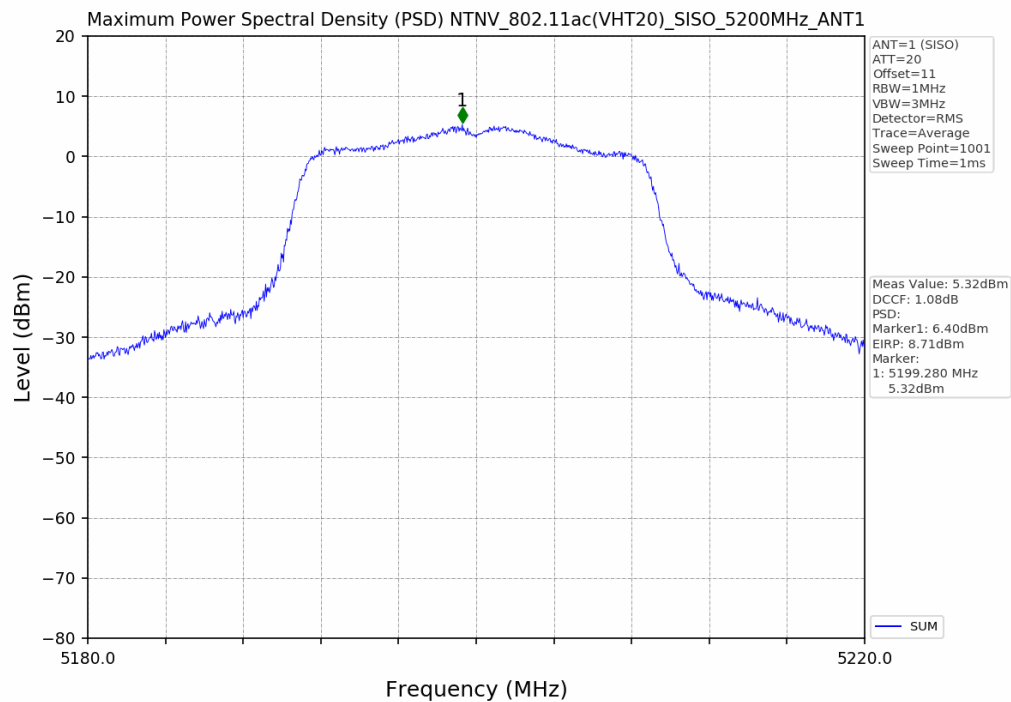
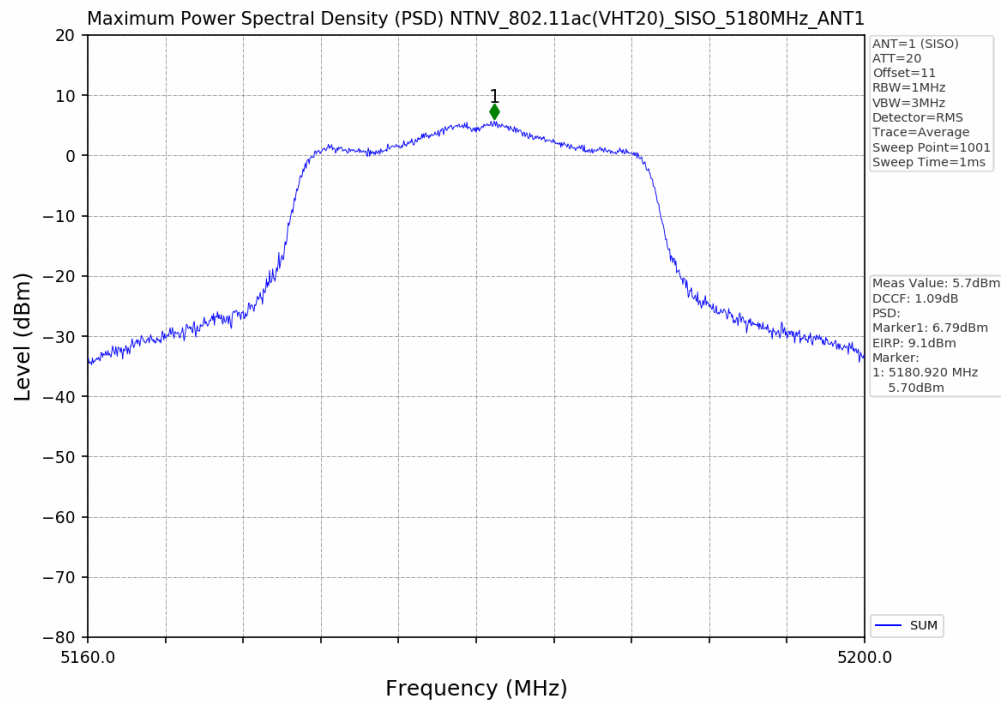
4.2 Test Graph

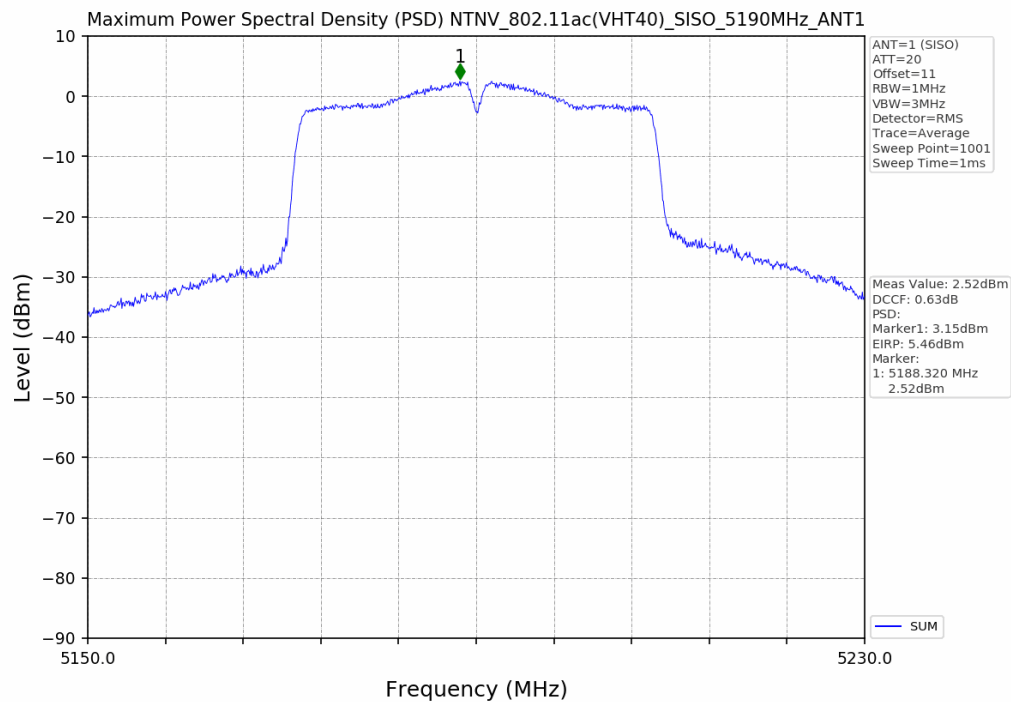
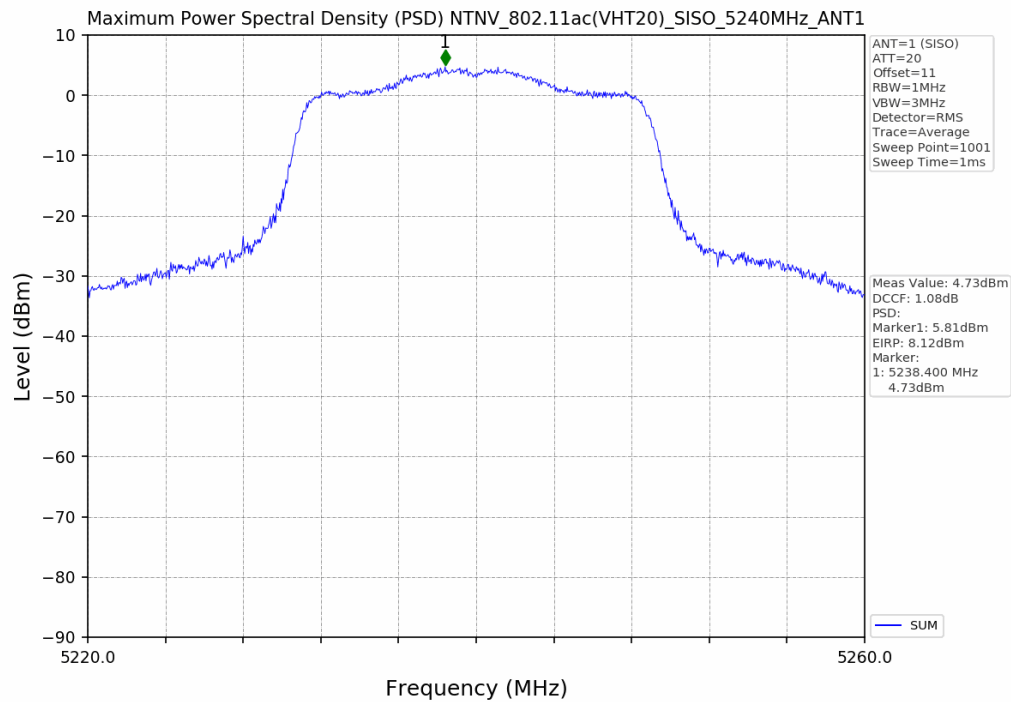


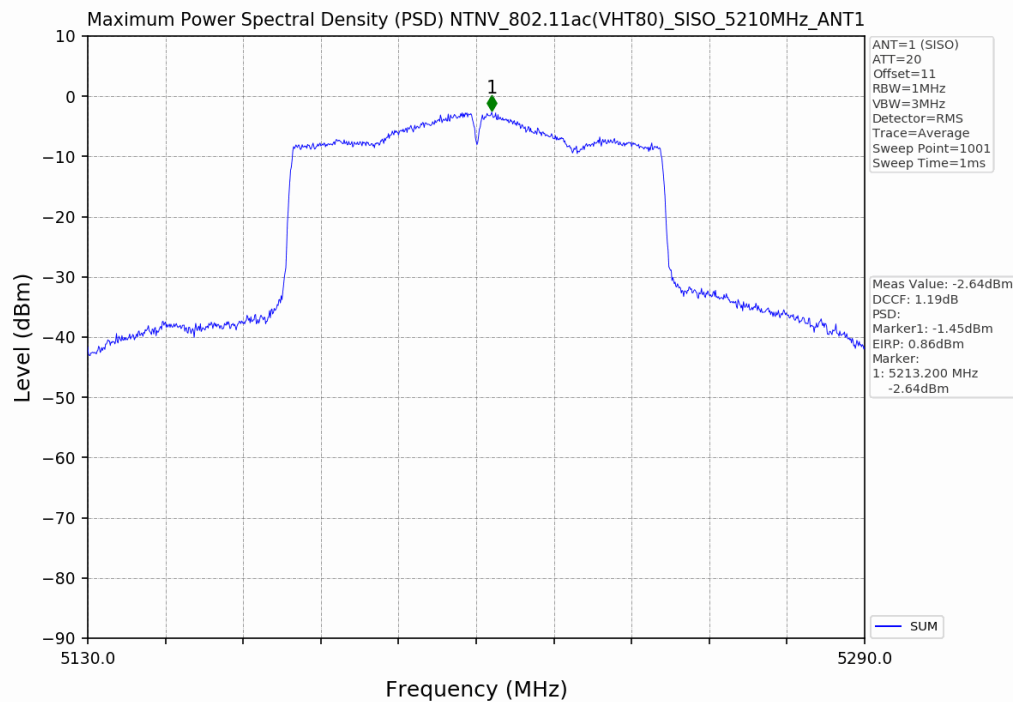
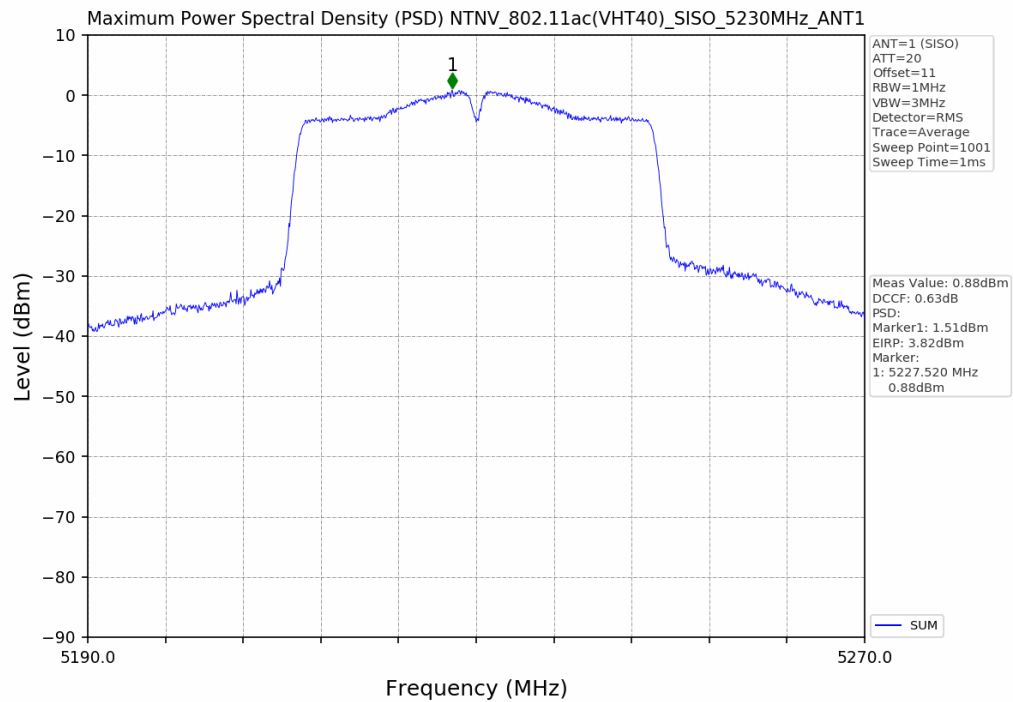












5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	5180	1	-3.86	<=20	PASS
		5190	1	-3.81	<=20	PASS
		5200	1	-3.79	<=20	PASS
		5210	1	-3.83	<=20	PASS
		5230	1	-3.84	<=20	PASS
		5240	1	-3.82	<=20	PASS

-----End-----