

Appendix for 15.407

1. Duty Cycle

1.1 Test Result

ANT 1:

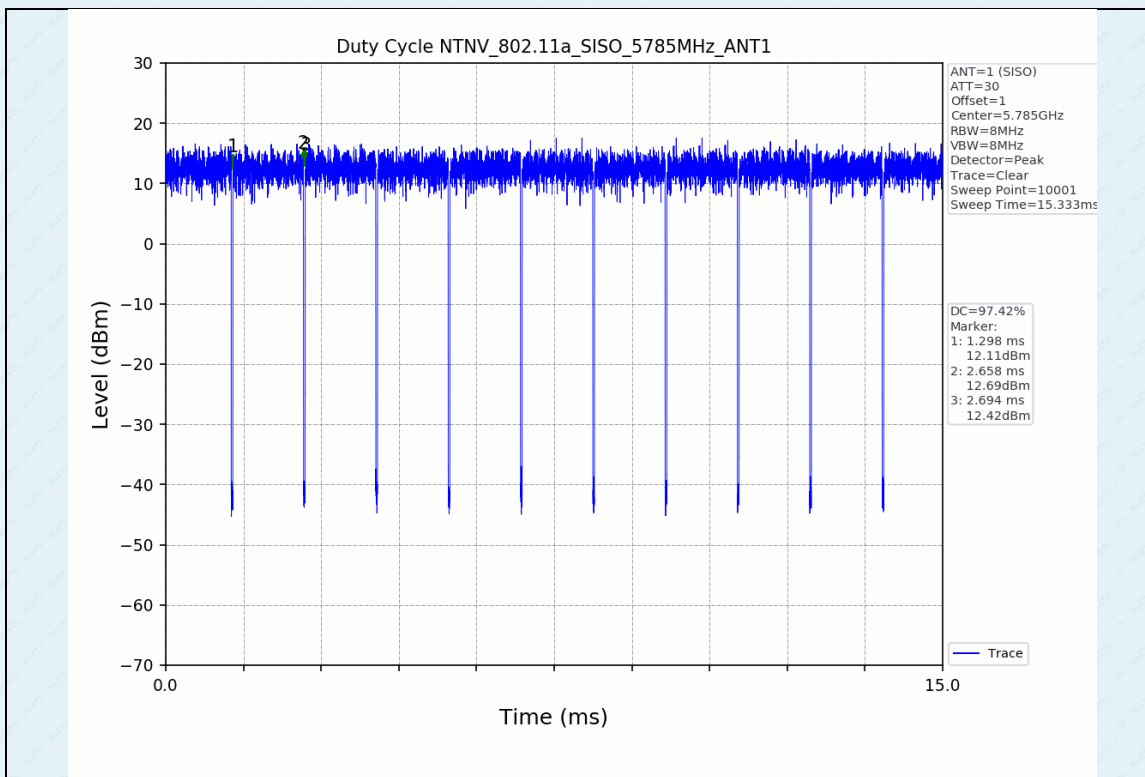
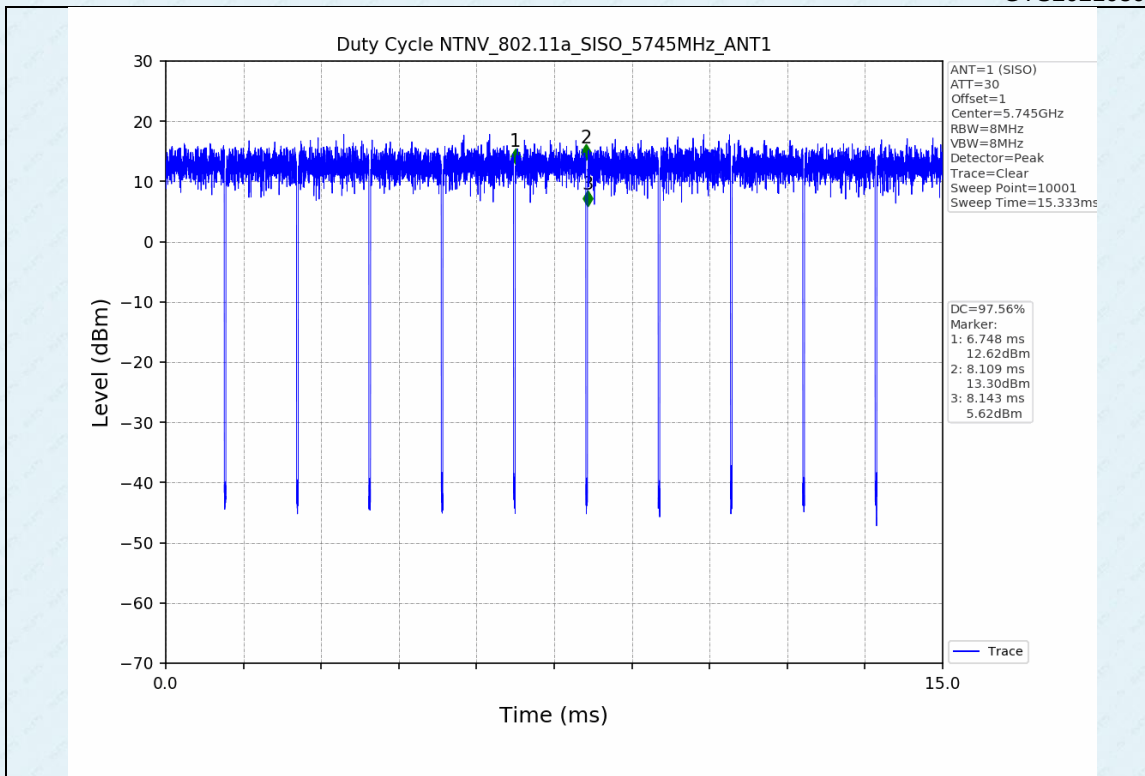
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5745	SISO	1	1.361	1.395	97.56	0.11
	5785	SISO	1	1.360	1.396	97.42	0.11
	5825	SISO	1	1.392	1.428	97.48	0.11
802.11n(HT20)	5745	SISO	1	1.299	1.335	97.30	0.12
	5785	SISO	1	1.299	1.336	97.23	0.12
	5825	SISO	1	1.299	1.336	97.23	0.12
802.11n(HT40)	5755	SISO	1	0.618	0.652	94.79	0.23
	5795	SISO	1	0.618	0.652	94.79	0.23
802.11ac(VHT20)	5745	SISO	1	0.649	0.683	95.02	0.22
	5785	SISO	1	0.649	0.684	94.88	0.23
	5825	SISO	1	0.649	0.684	94.88	0.23
802.11ac(VHT40)	5755	SISO	1	0.351	0.386	90.93	0.41
	5795	SISO	1	0.352	0.414	85.02	0.70
802.11ac(VHT80)	5775	SISO	1	0.188	0.664	28.31	5.48

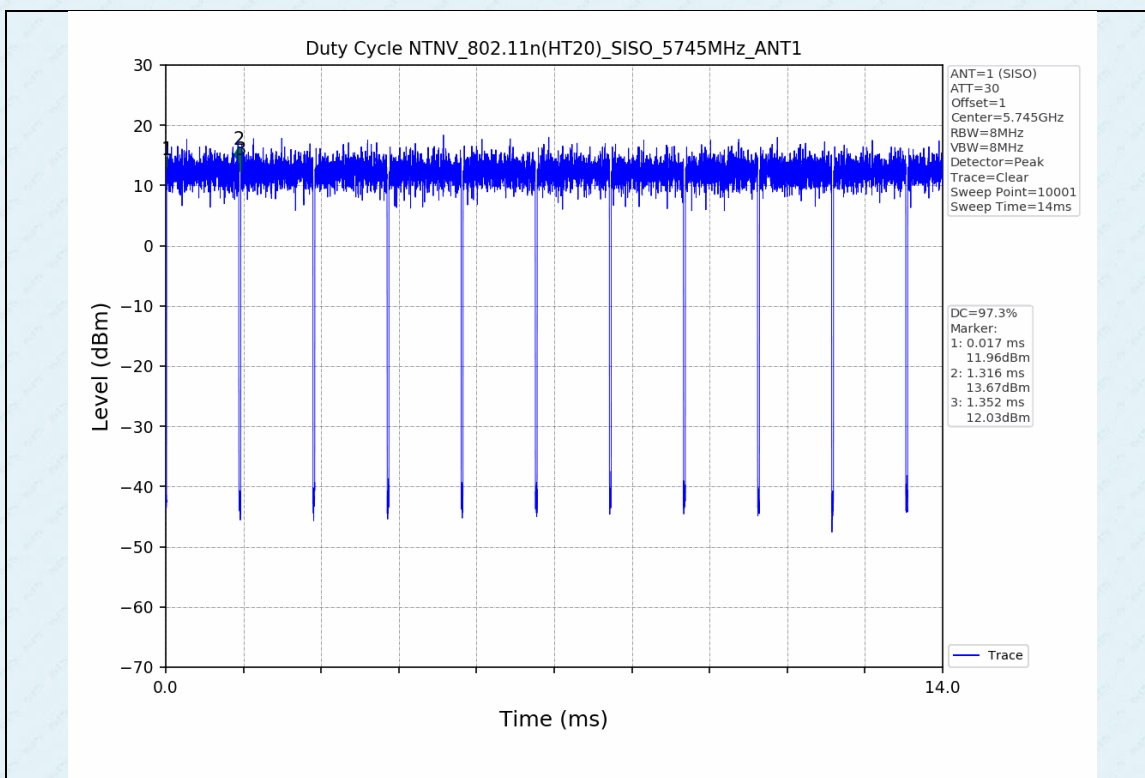
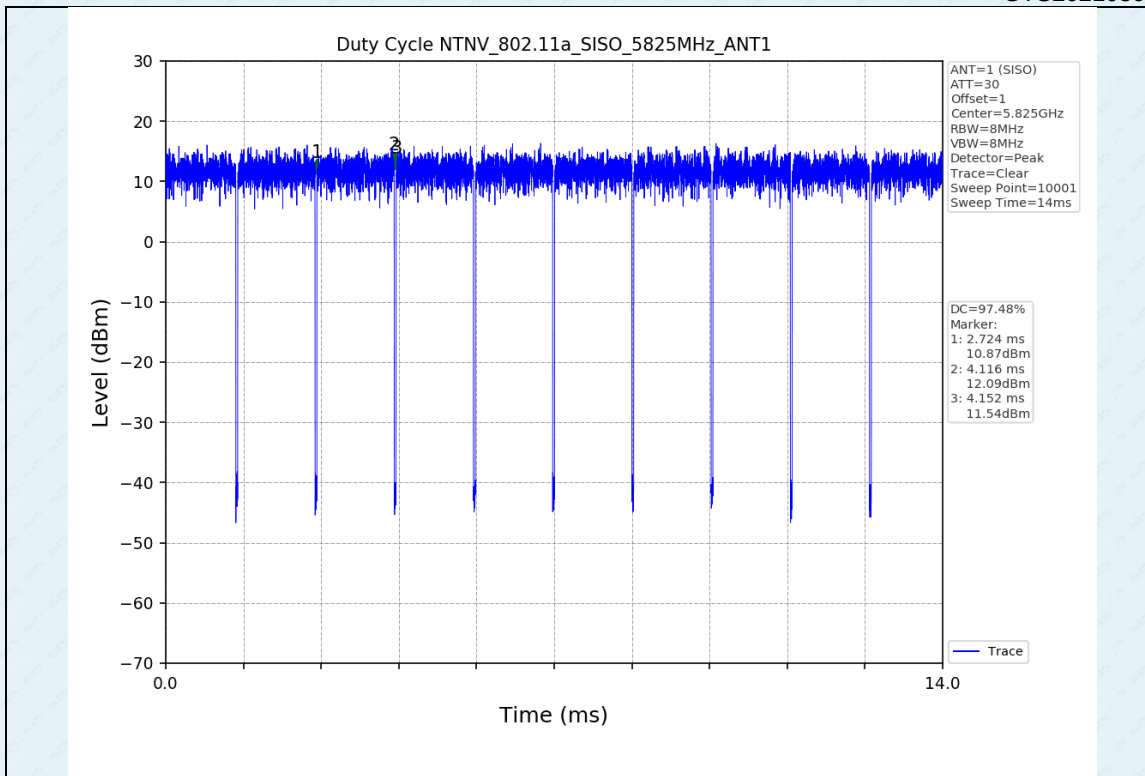
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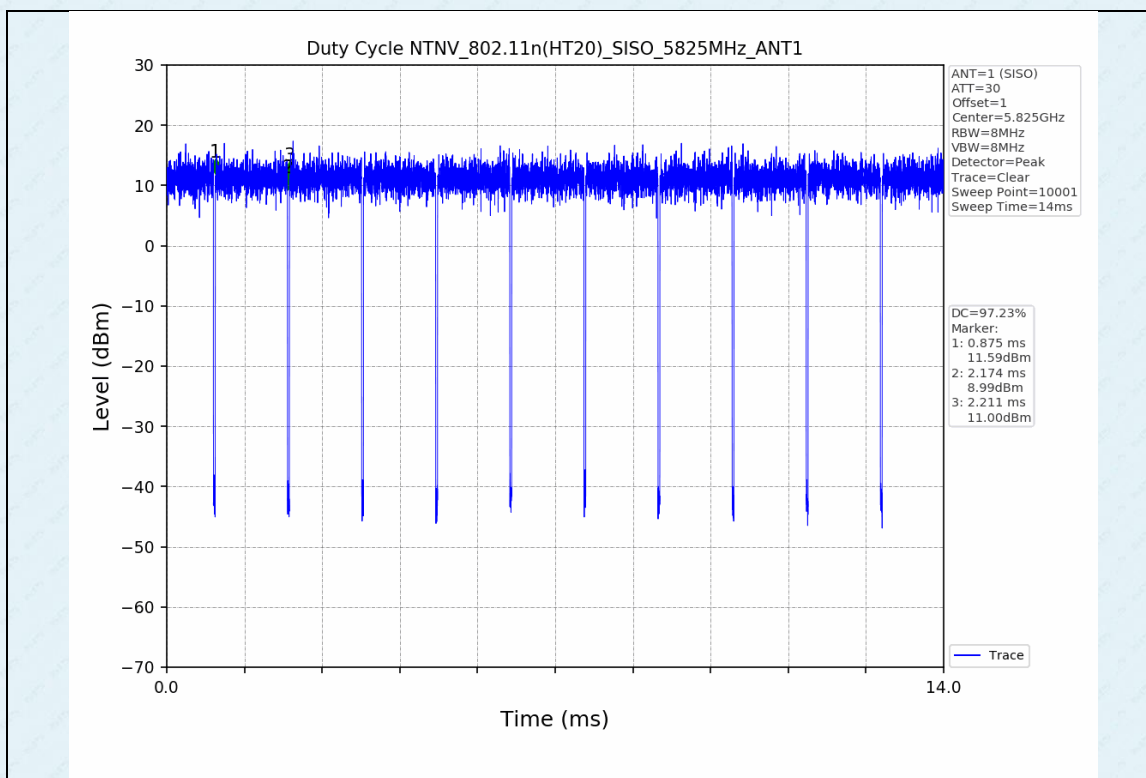
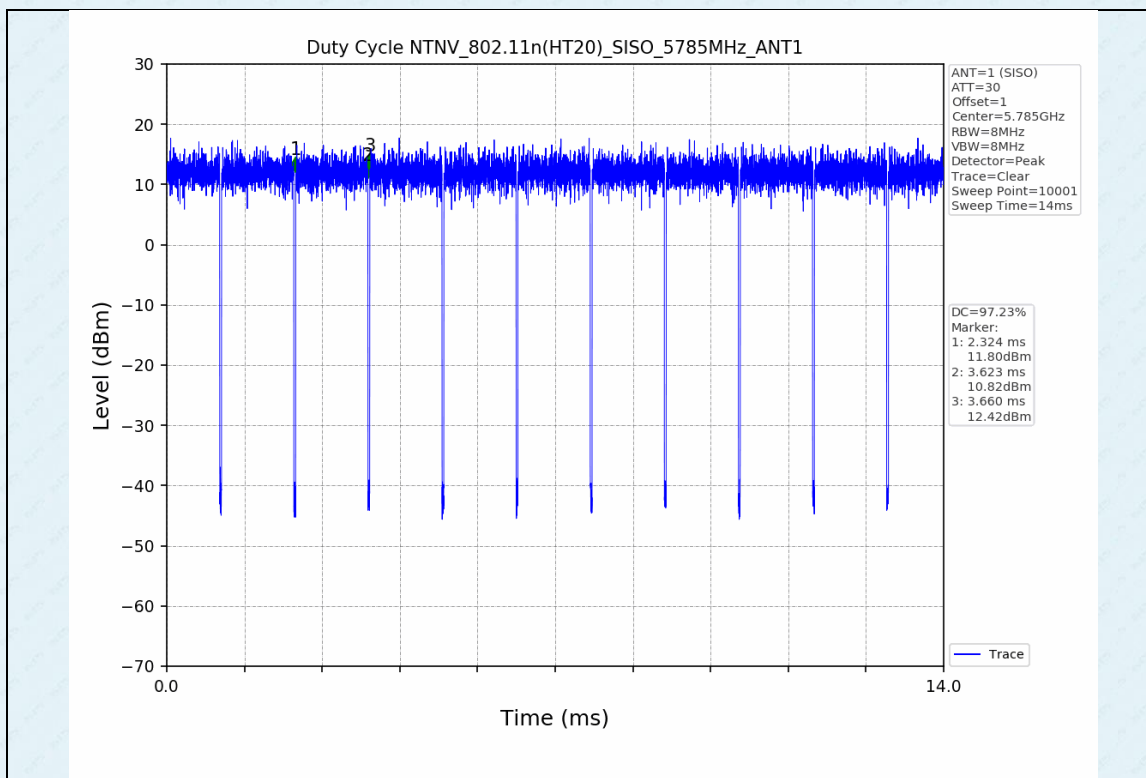
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5745	SISO	1	0.935	0.971	96.29	0.16
	5785	SISO	1	0.936	0.972	96.30	0.16
	5825	SISO	1	0.936	0.972	96.30	0.16
802.11n(HT20)	5745	SISO	1	1.299	1.336	97.23	0.12
	5785	SISO	1	1.299	1.336	97.23	0.12
	5825	SISO	1	1.299	1.335	97.30	0.12
802.11n(HT40)	5755	SISO	1	0.618	0.652	94.79	0.23
	5795	SISO	1	0.619	0.652	94.94	0.23
802.11ac(VHT20)	5745	SISO	1	0.649	0.683	95.02	0.22
	5785	SISO	1	0.649	0.683	95.02	0.22
	5825	SISO	1	0.649	0.683	95.02	0.22
802.11ac(VHT40)	5755	SISO	1	0.352	0.387	90.96	0.41
	5795	SISO	1	0.352	0.387	90.96	0.41
802.11ac(VHT80)	5775	SISO	1	0.188	0.665	28.27	5.49

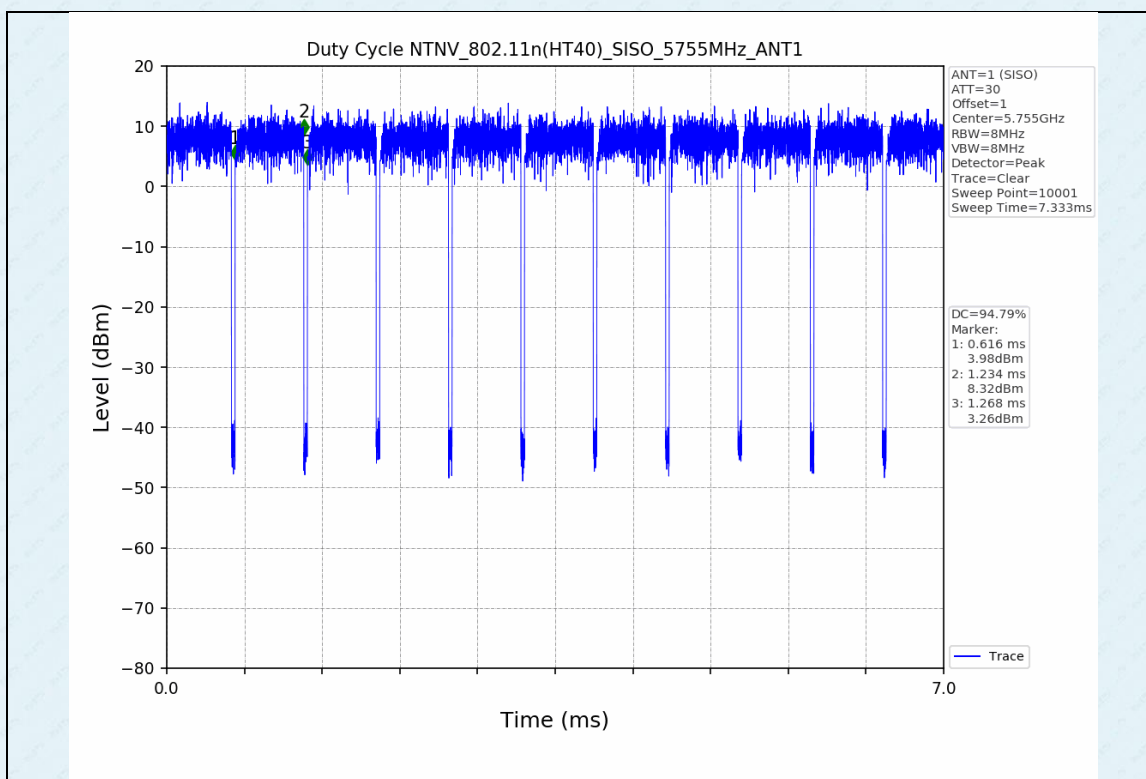
1.2 Test Graph

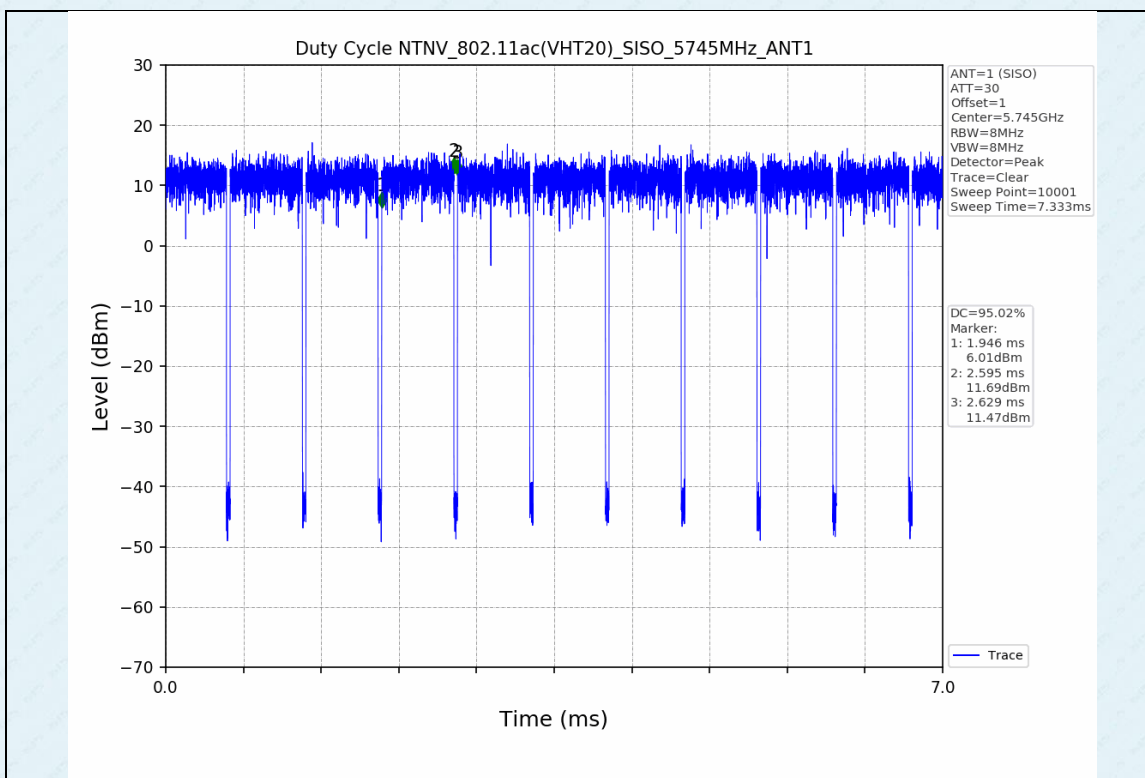
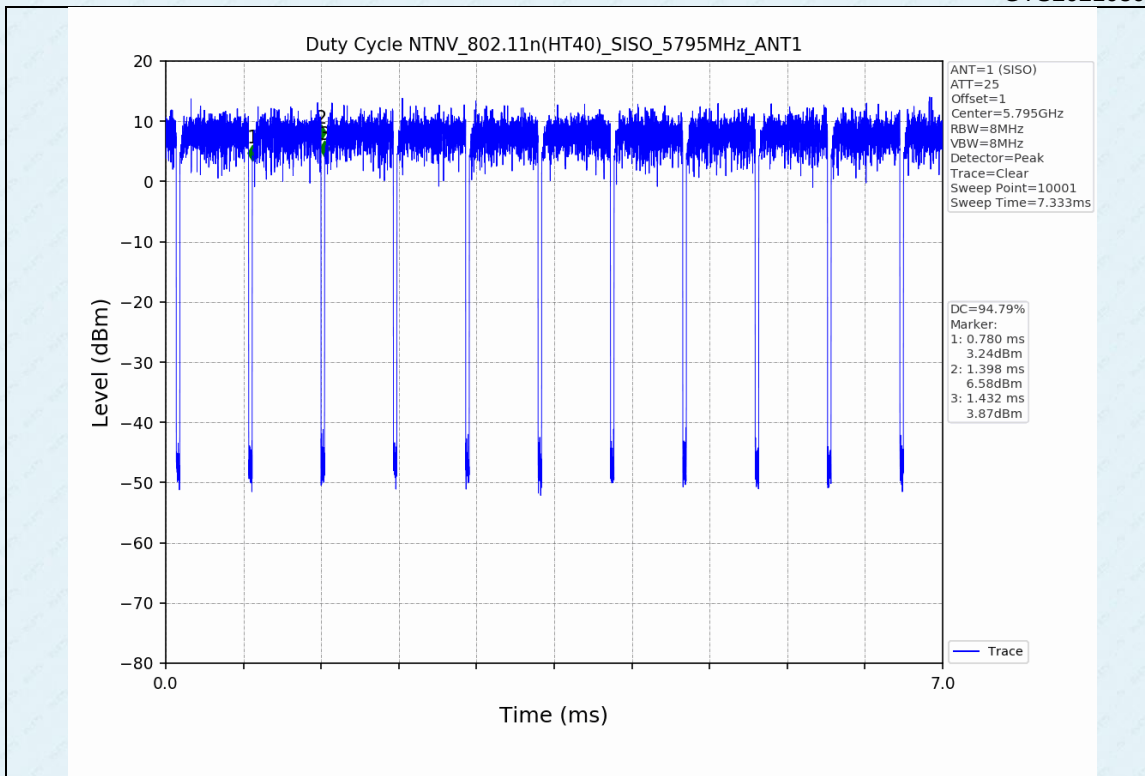
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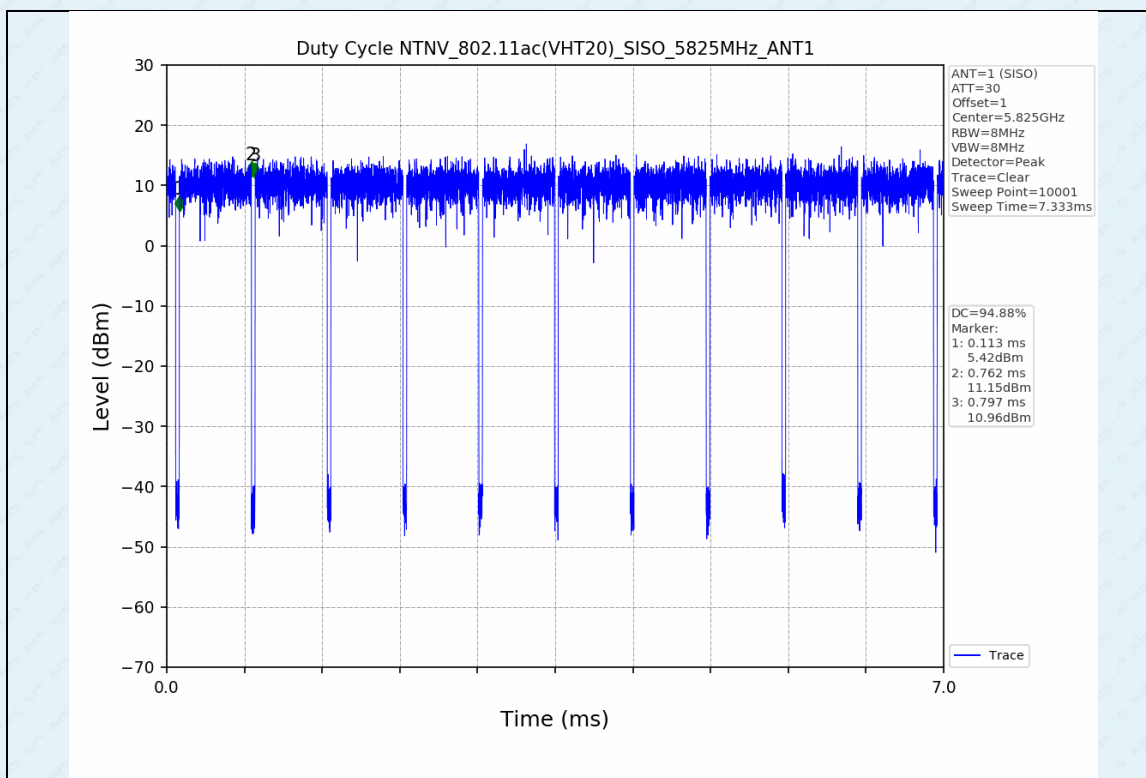
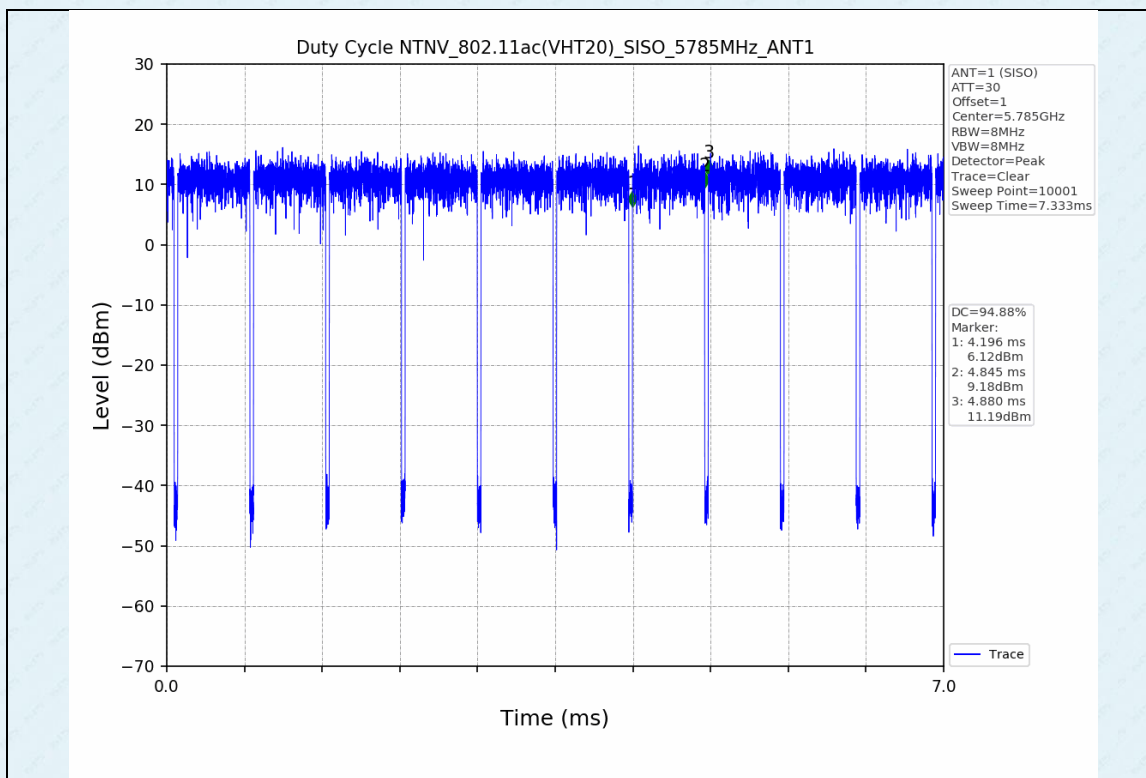


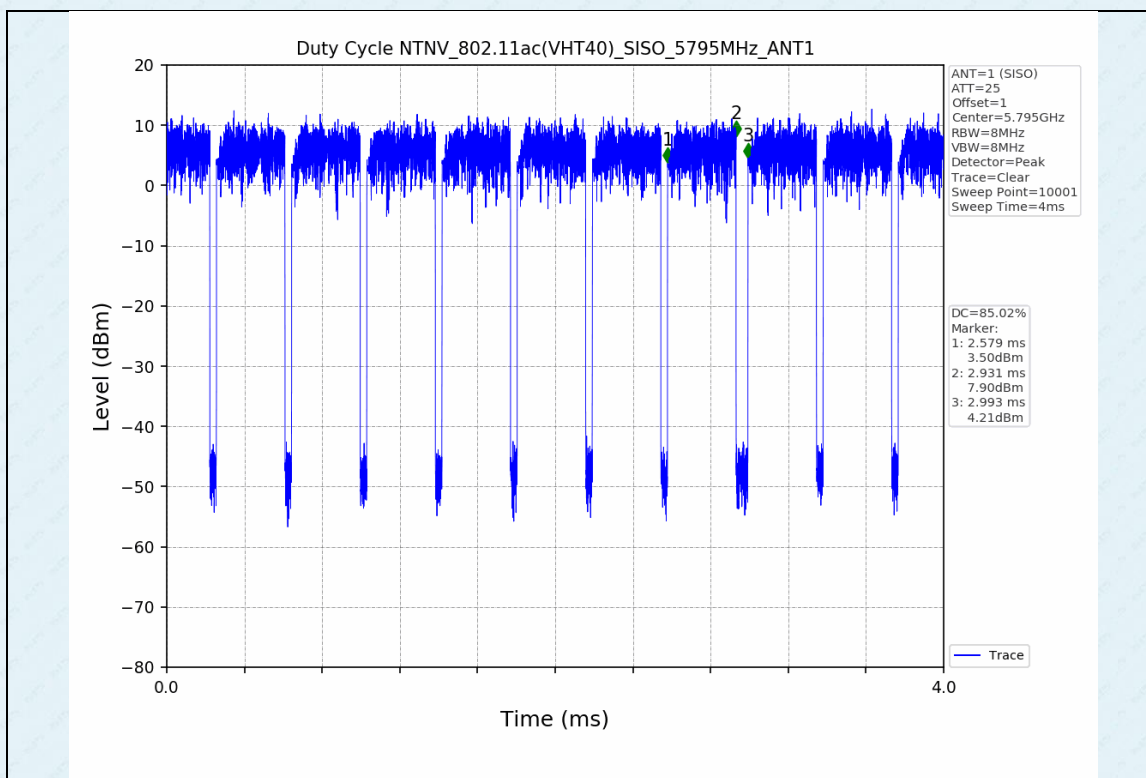
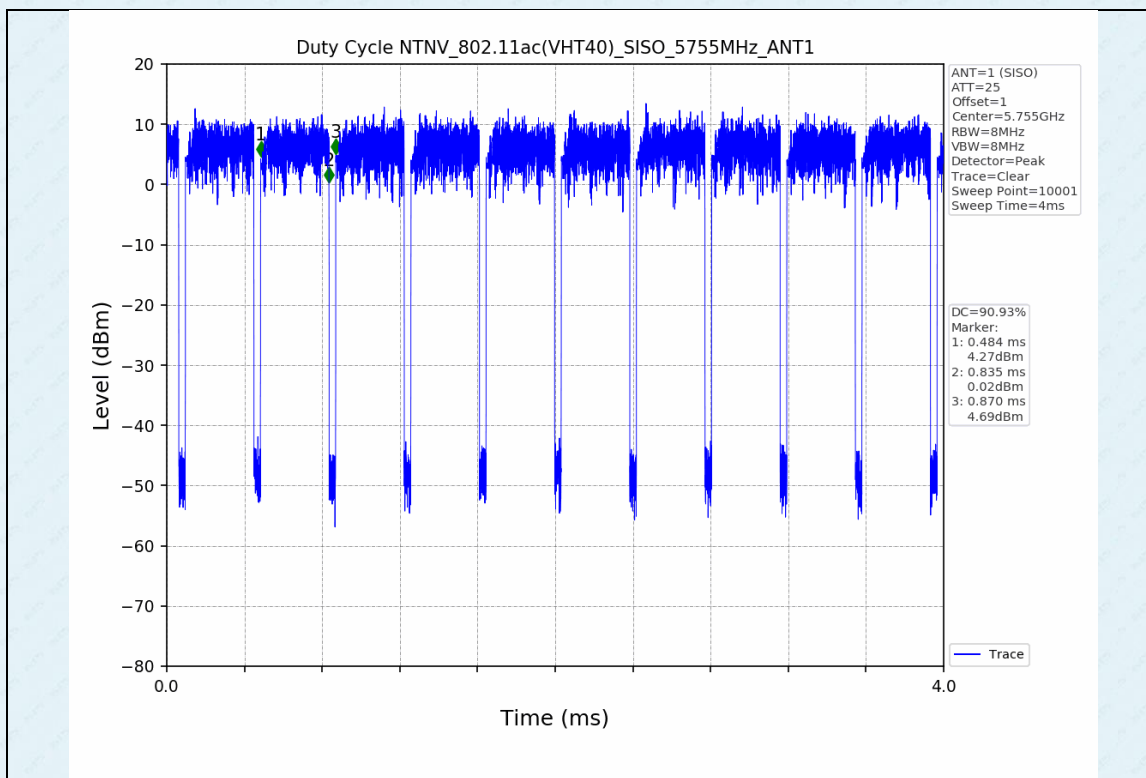


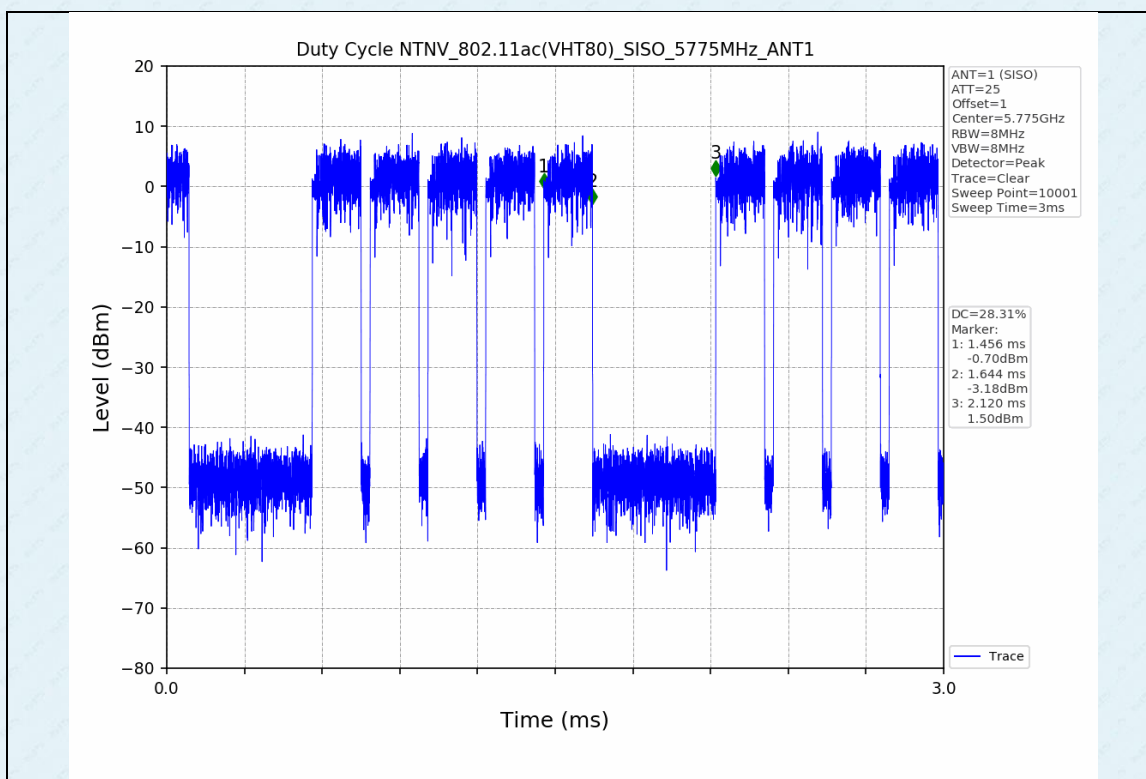




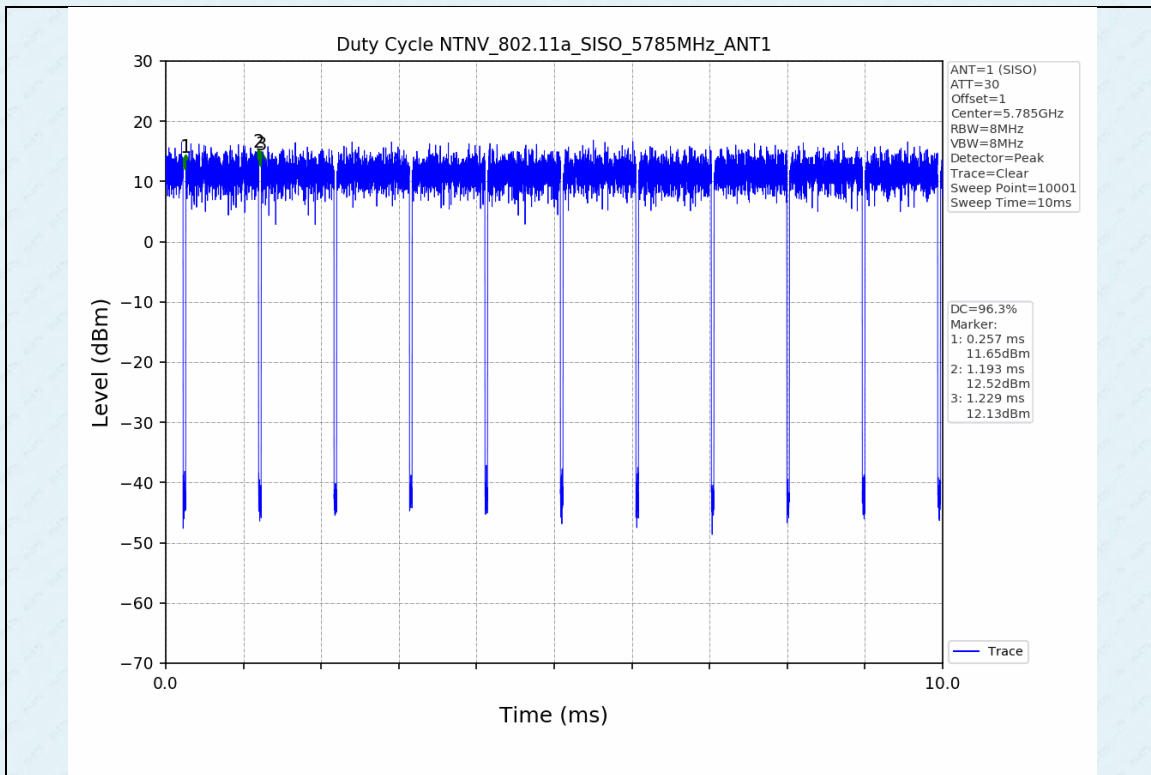
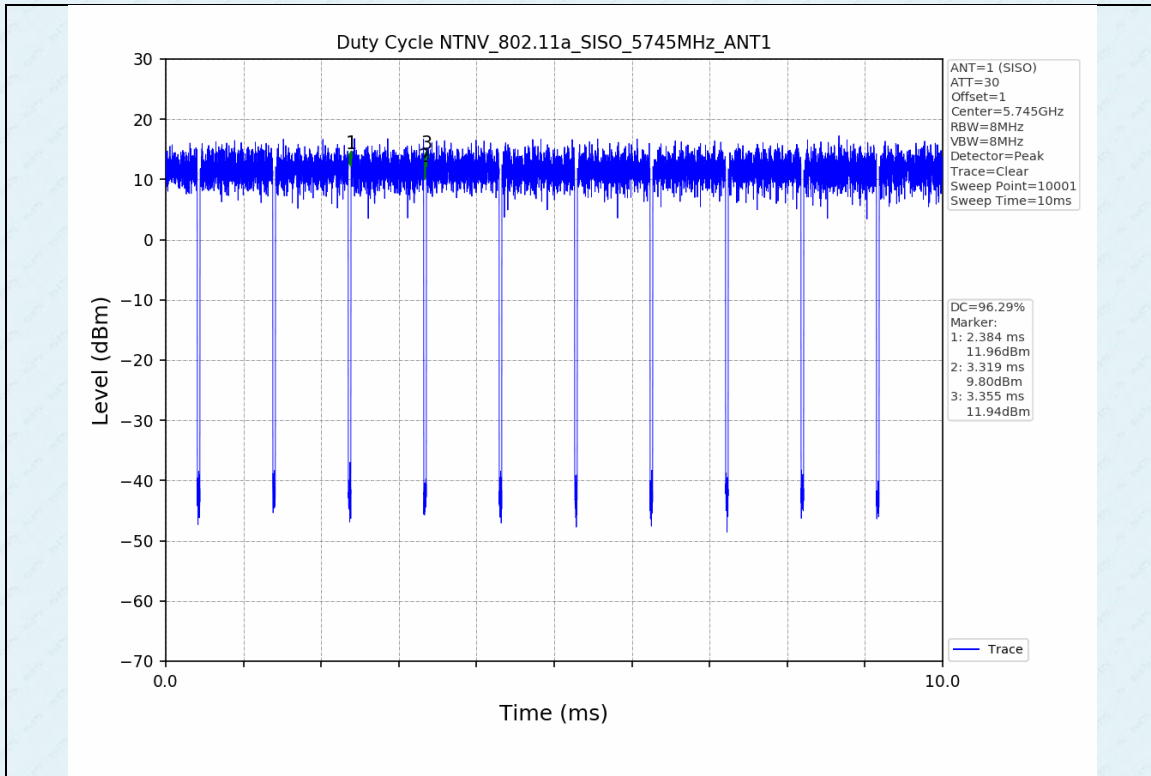


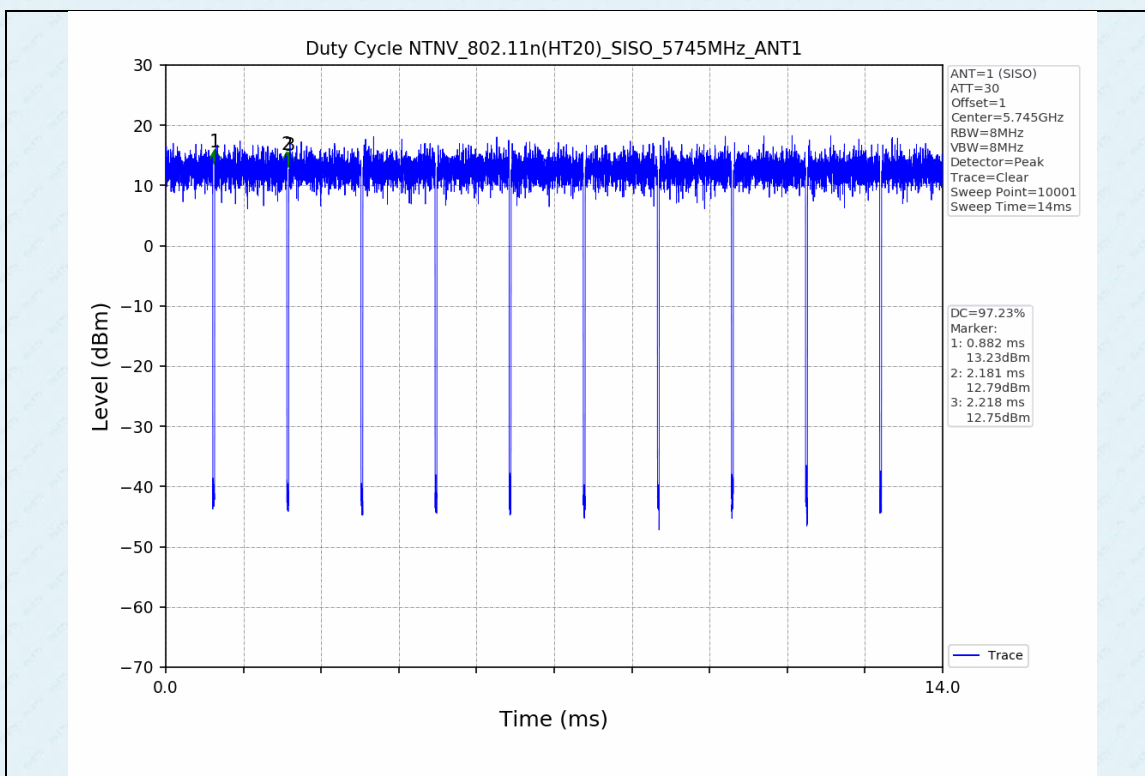
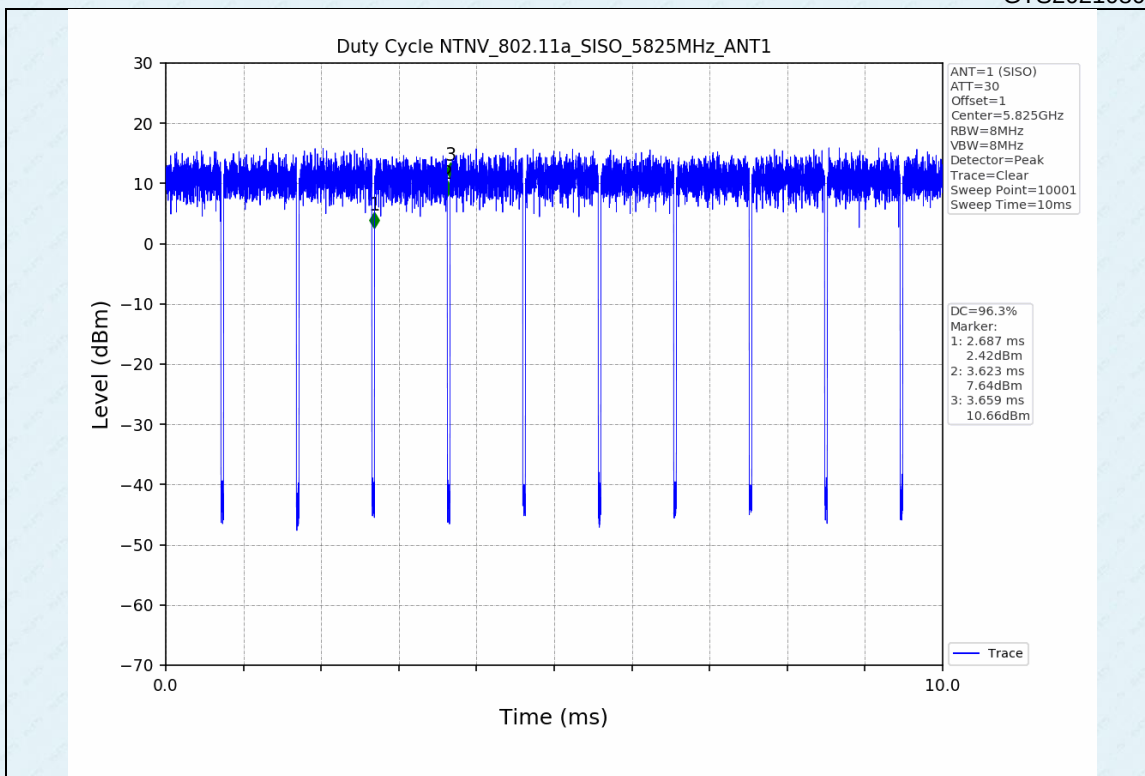


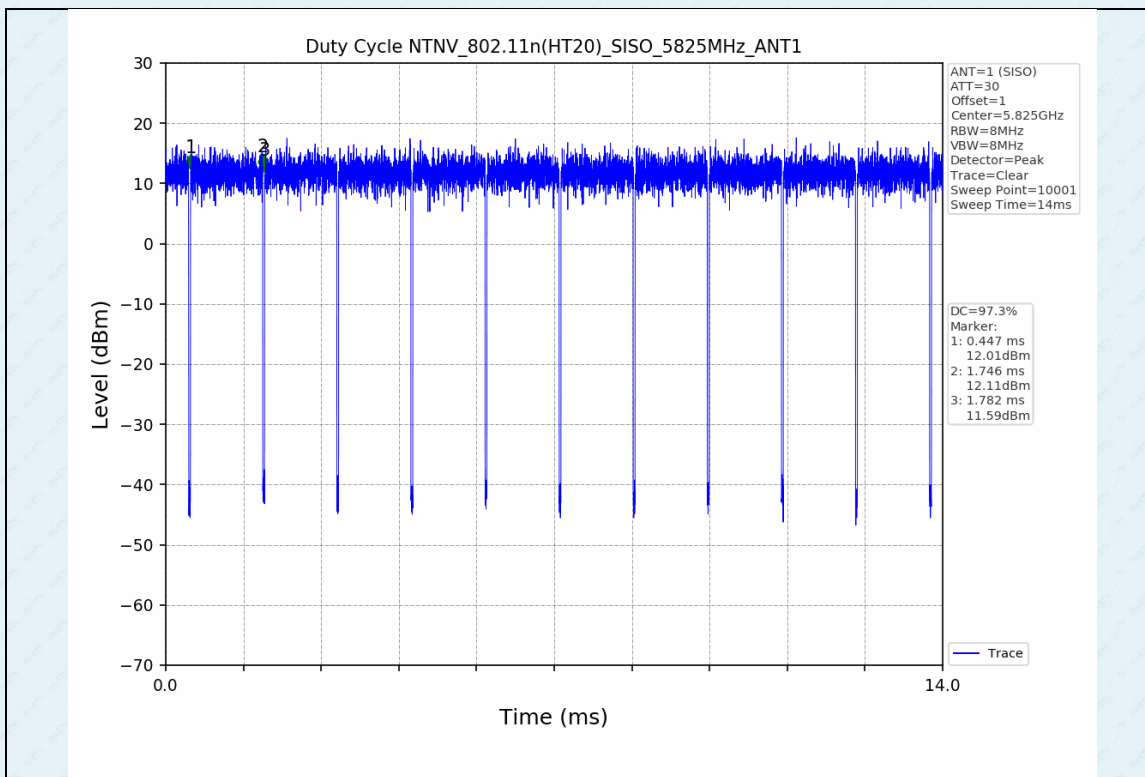
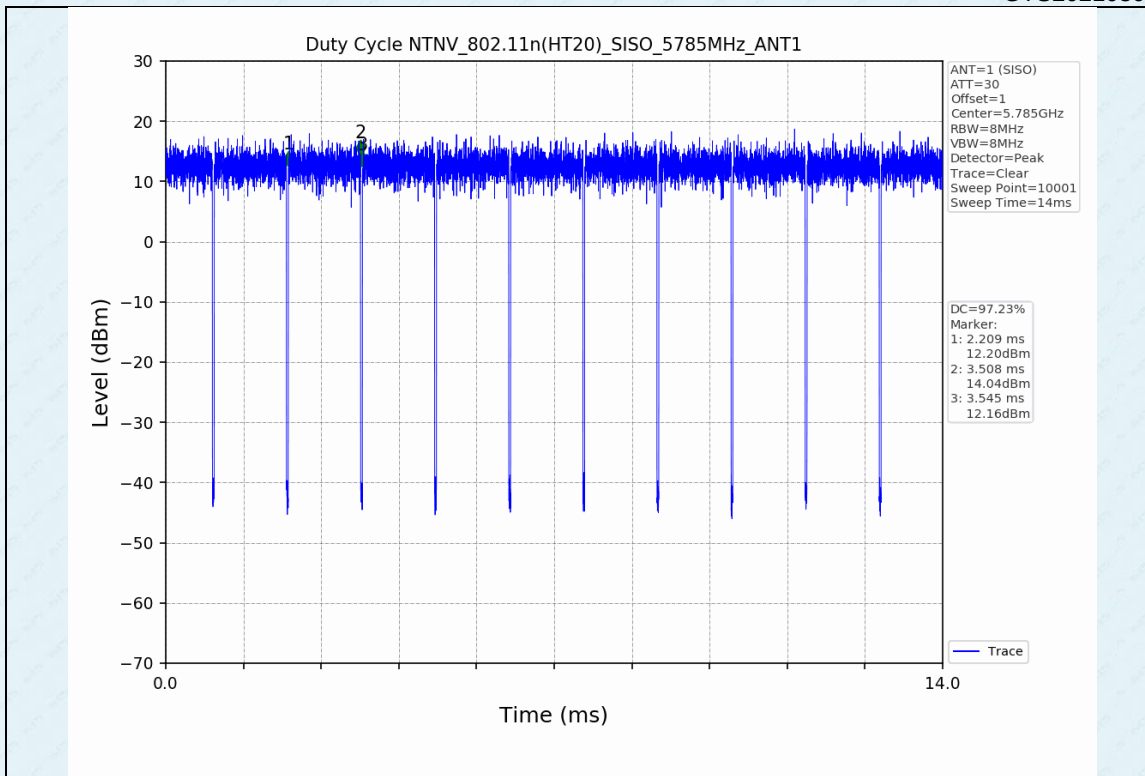


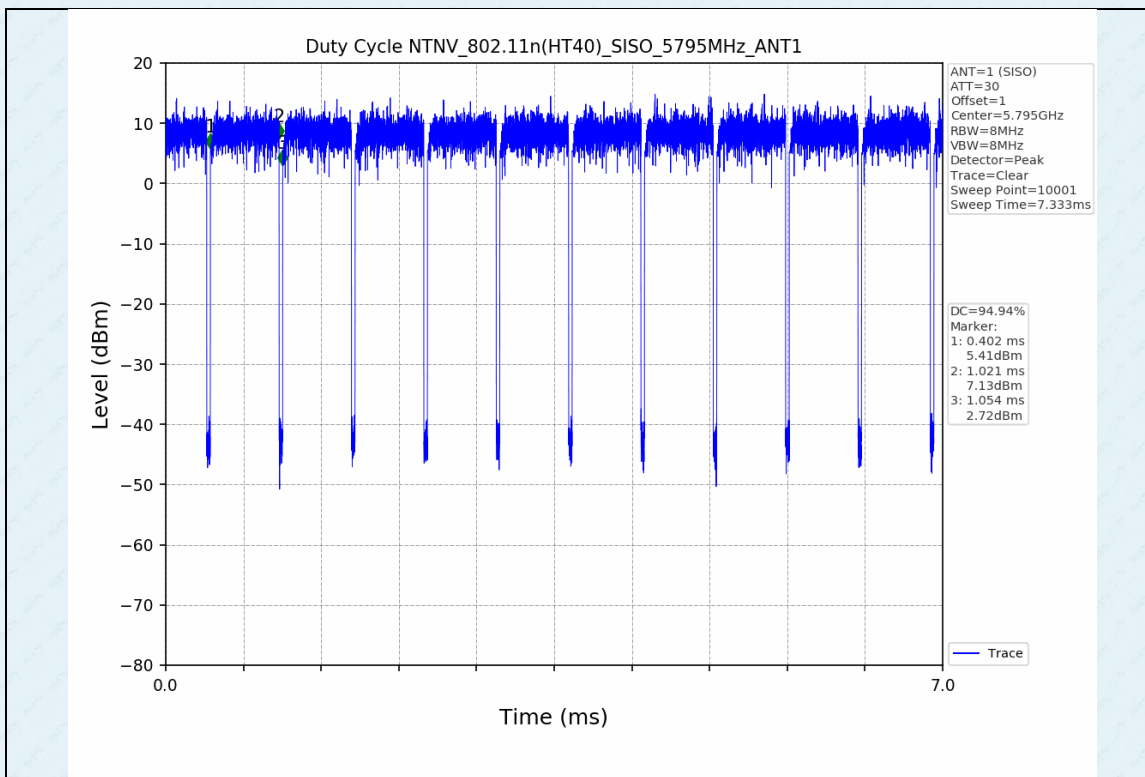
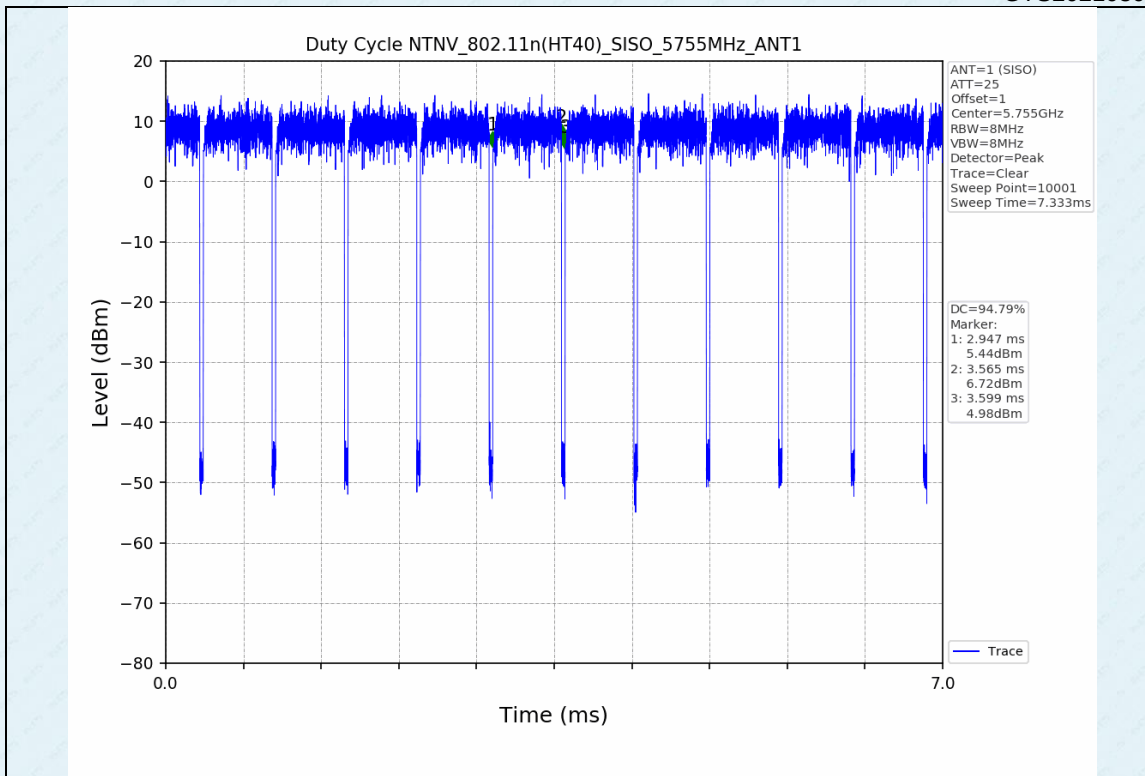


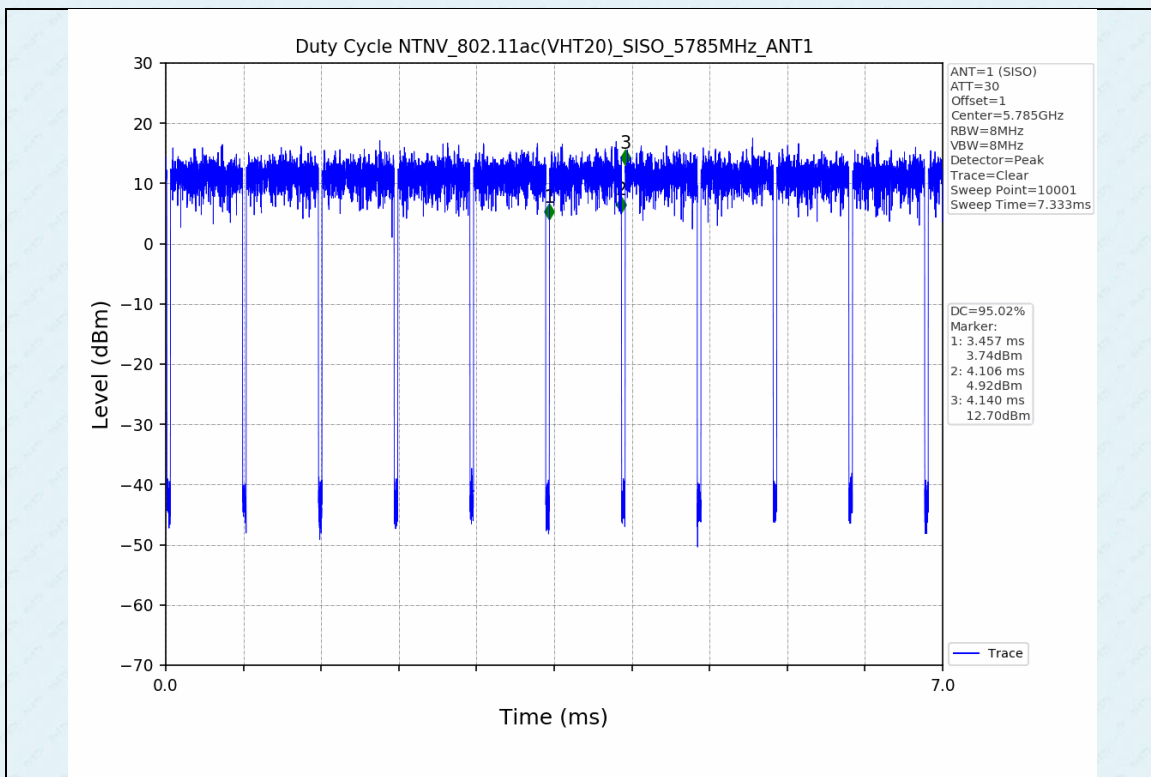
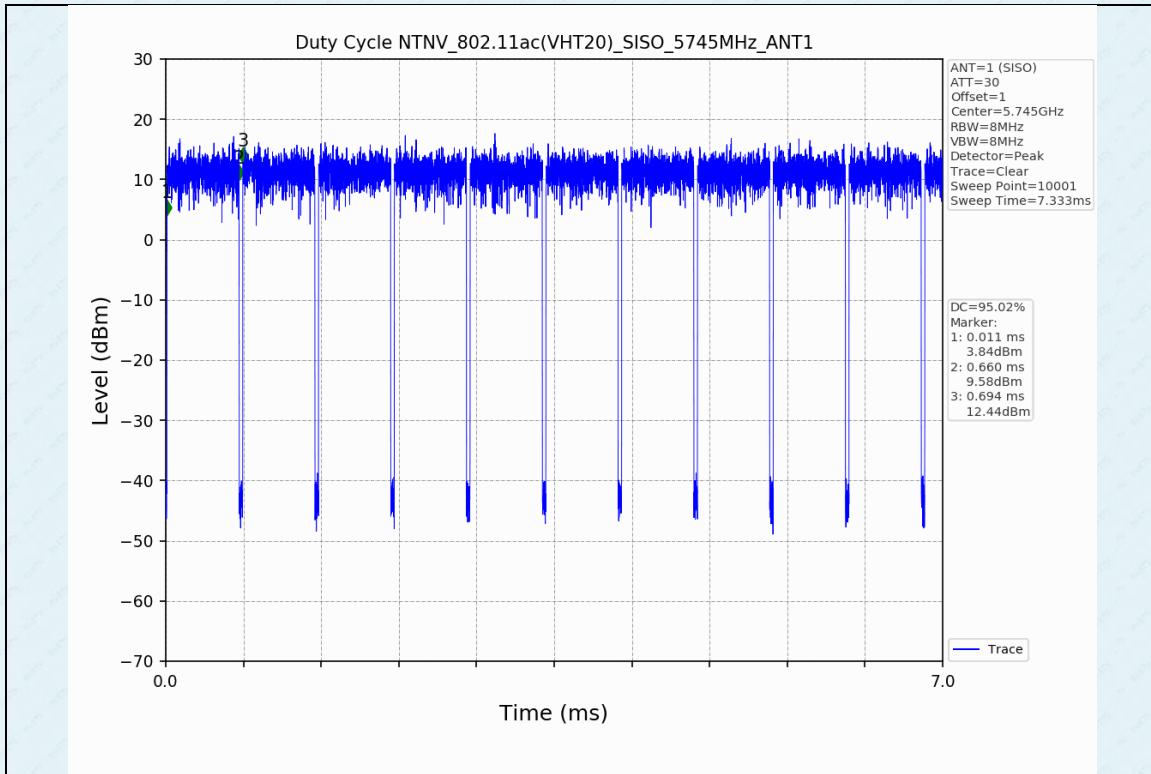
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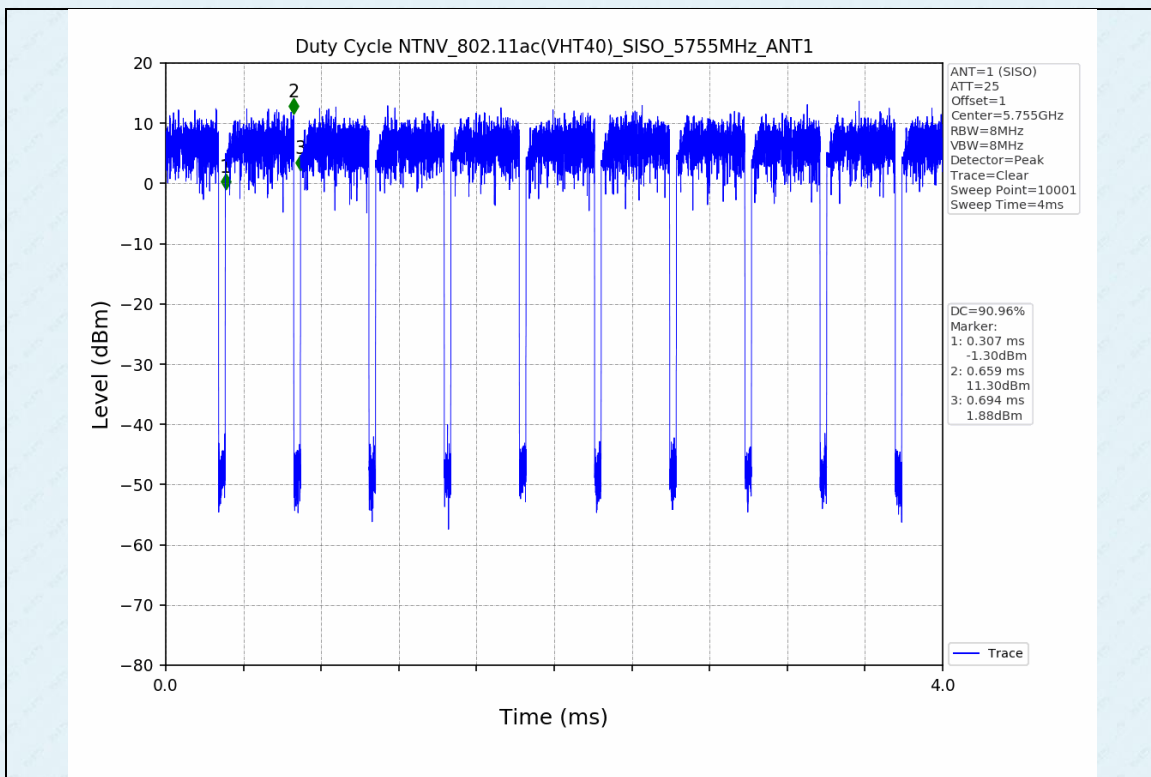
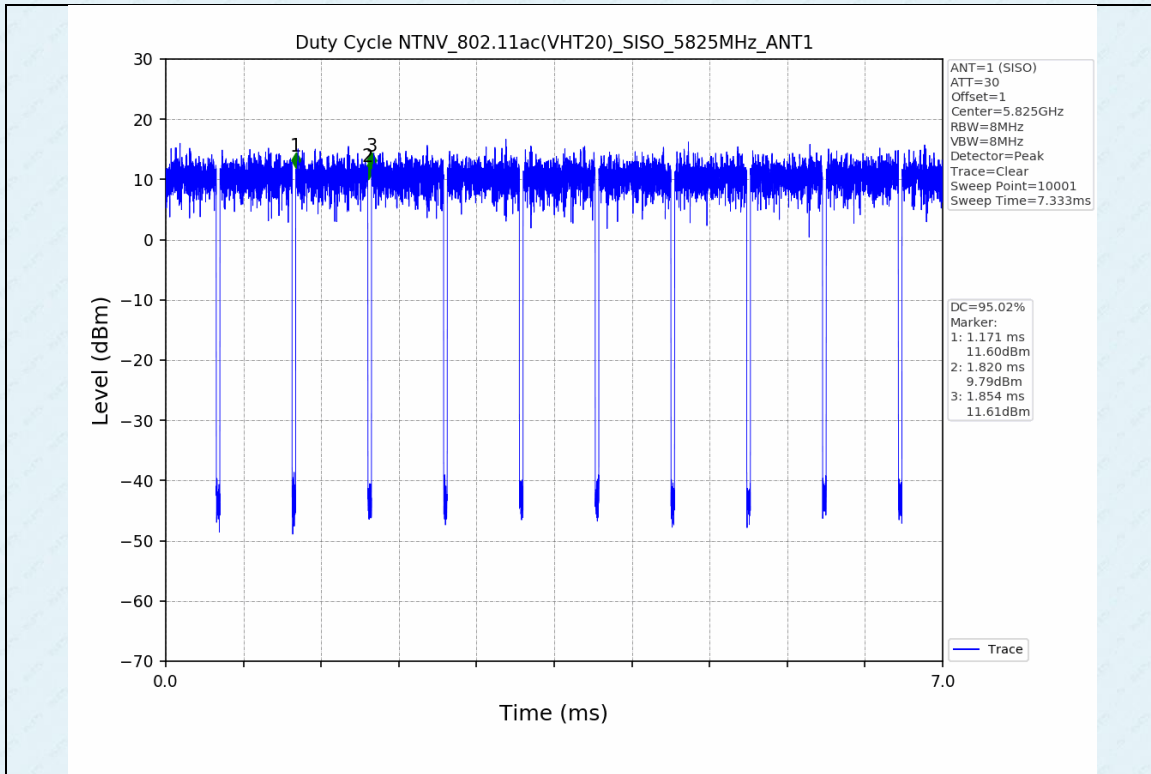


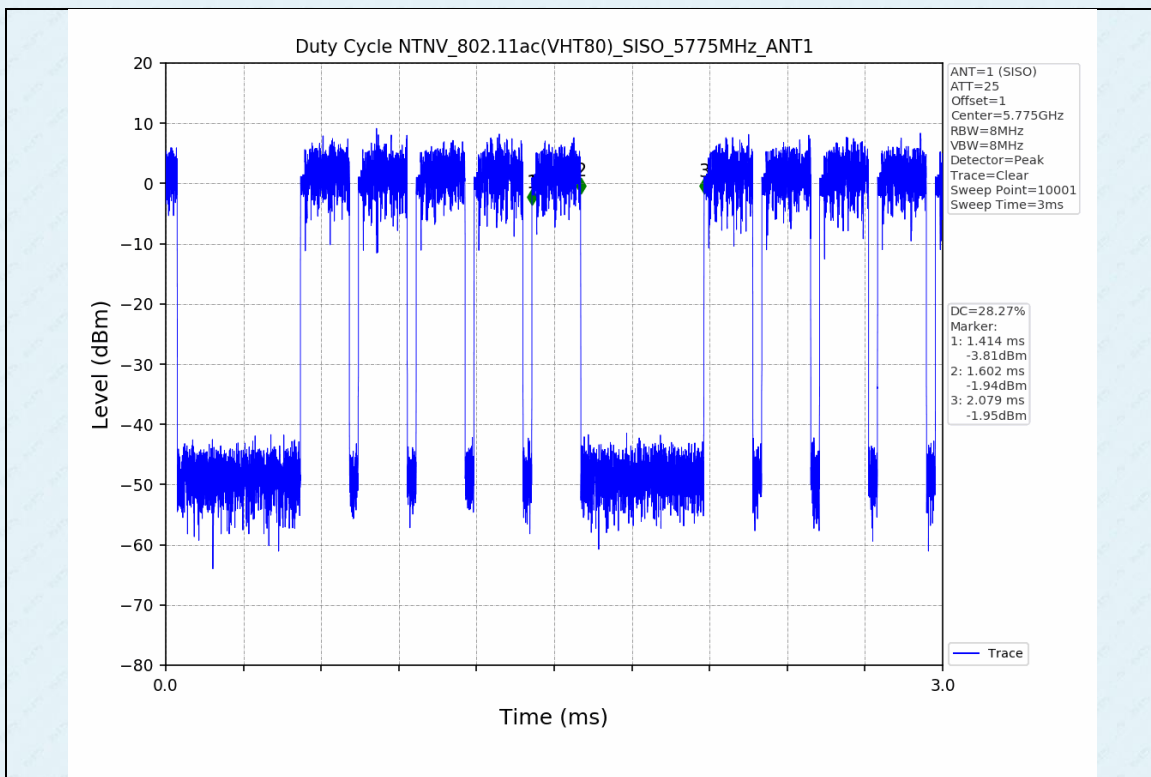
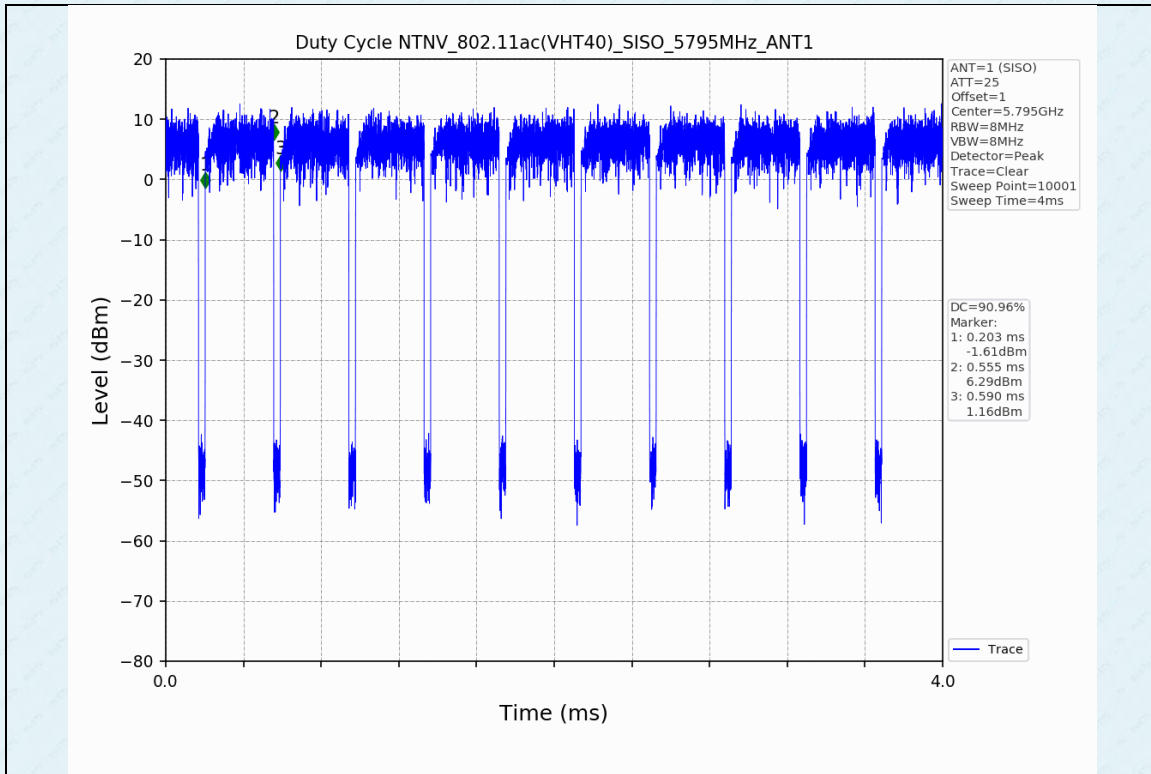












2. Bandwidth

2.1 Test Result

ANT 1:

Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	15.904	≥0.5	PASS
	5785	SISO	1	15.155	≥0.5	PASS
	5825	SISO	1	14.485	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	15.756	≥0.5	PASS
	5785	SISO	1	16.307	≥0.5	PASS
	5825	SISO	1	16.276	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.244	≥0.5	PASS
	5795	SISO	1	35.230	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	15.190	≥0.5	PASS
	5785	SISO	1	15.139	≥0.5	PASS
	5825	SISO	1	15.192	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.222	≥0.5	PASS
	5795	SISO	1	35.169	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.876	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.441	Only for Report Use
	5785	SISO	1	16.429	Only for Report Use
	5825	SISO	1	16.447	Only for Report Use
802.11n(HT20)	5745	SISO	1	17.538	Only for Report Use
	5785	SISO	1	17.527	Only for Report Use
	5825	SISO	1	17.540	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.511	Only for Report Use
	5795	SISO	1	36.579	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	17.620	Only for Report Use
	5785	SISO	1	17.602	Only for Report Use
	5825	SISO	1	17.616	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.464	Only for Report Use
	5795	SISO	1	36.401	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	75.747	Only for Report Use

ANT 2:

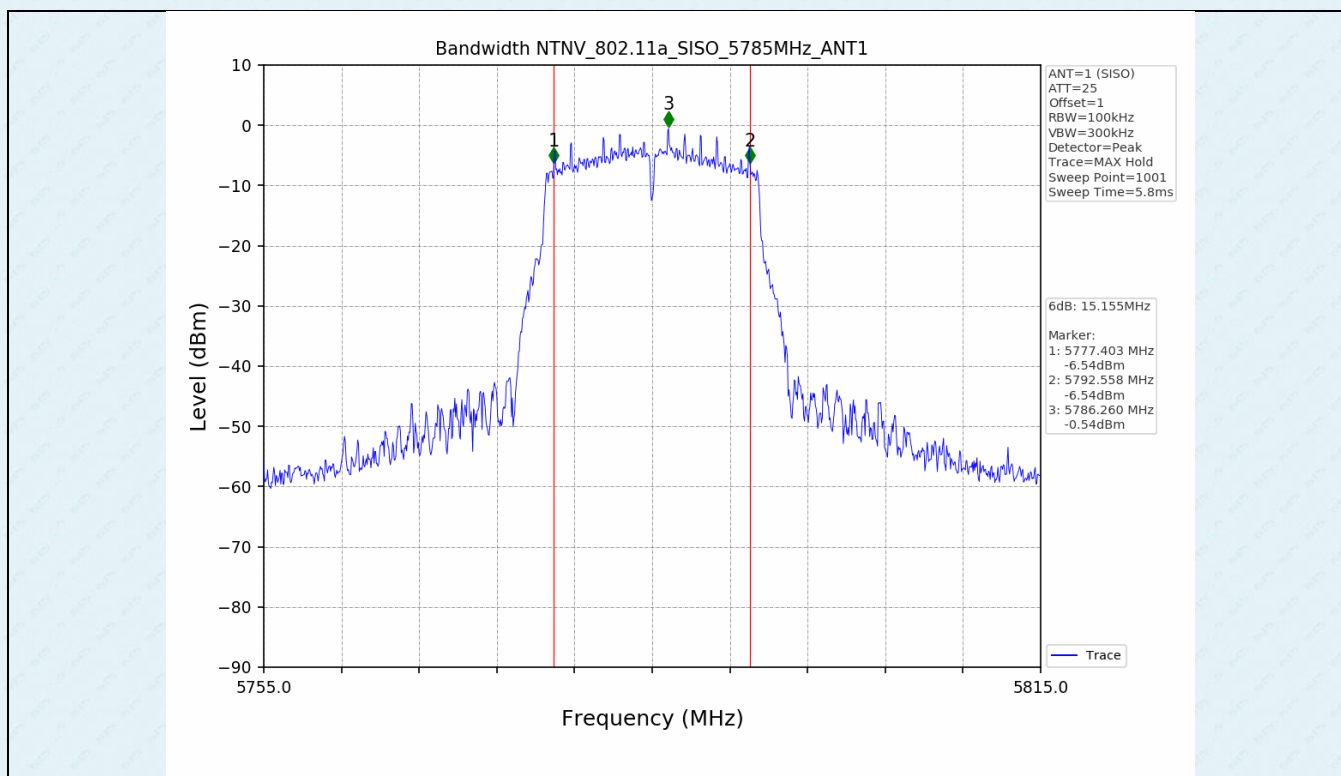
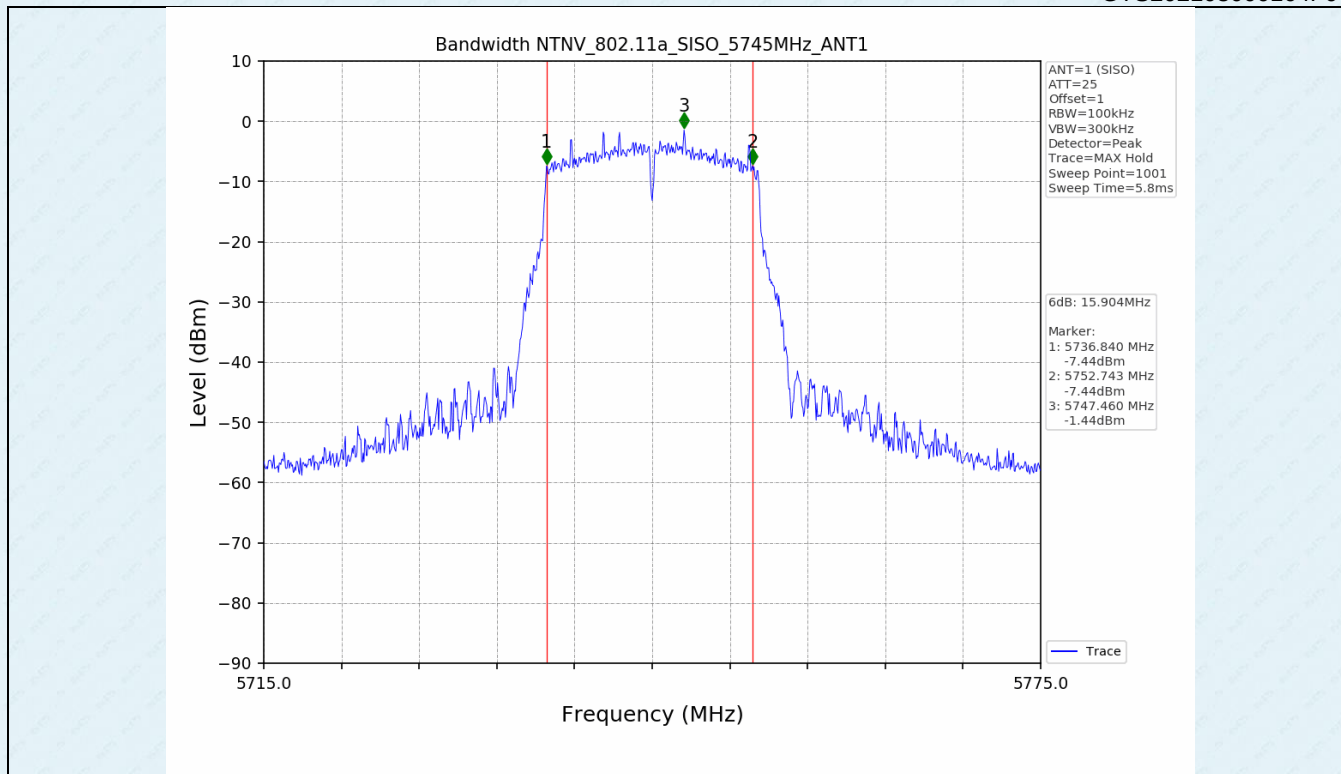
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	15.167	≥0.5	PASS
	5785	SISO	1	14.256	≥0.5	PASS
	5825	SISO	1	15.110	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	15.140	≥0.5	PASS
	5785	SISO	1	15.091	≥0.5	PASS
	5825	SISO	1	15.519	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.213	≥0.5	PASS

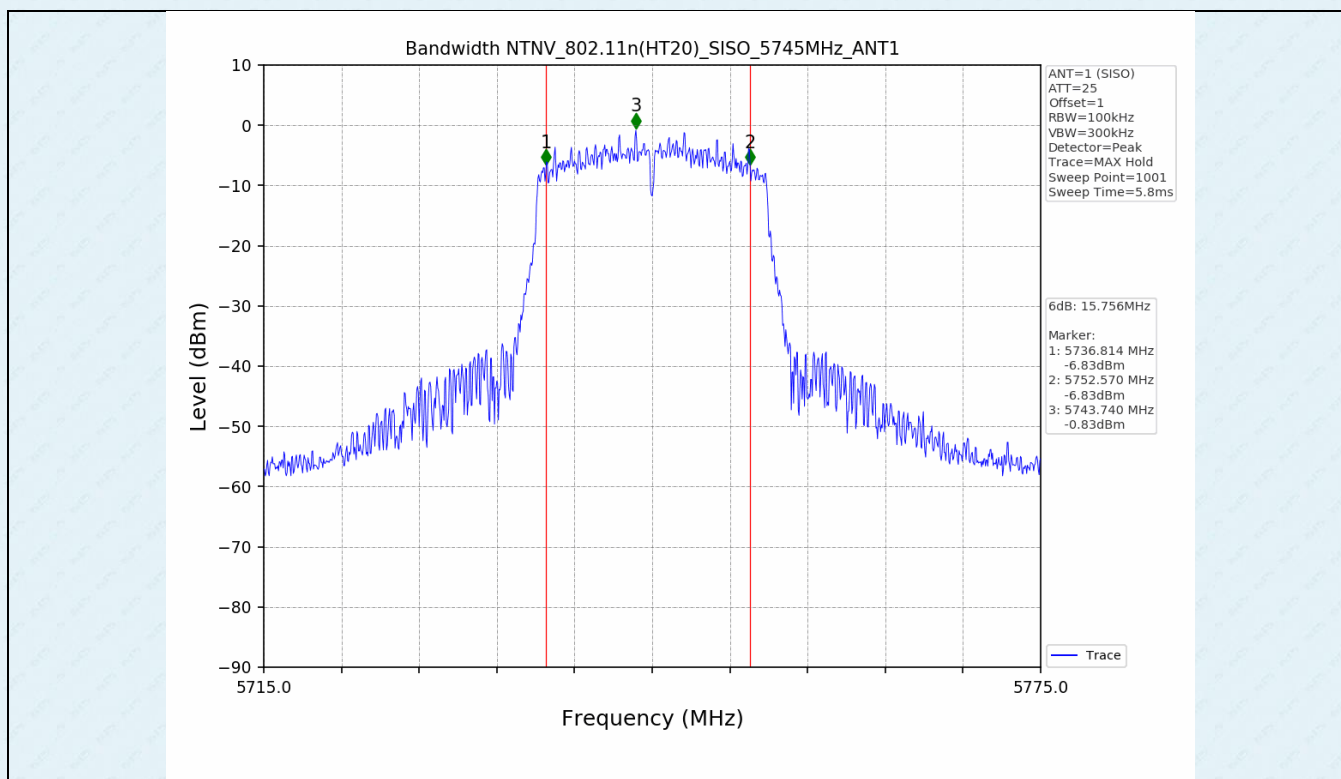
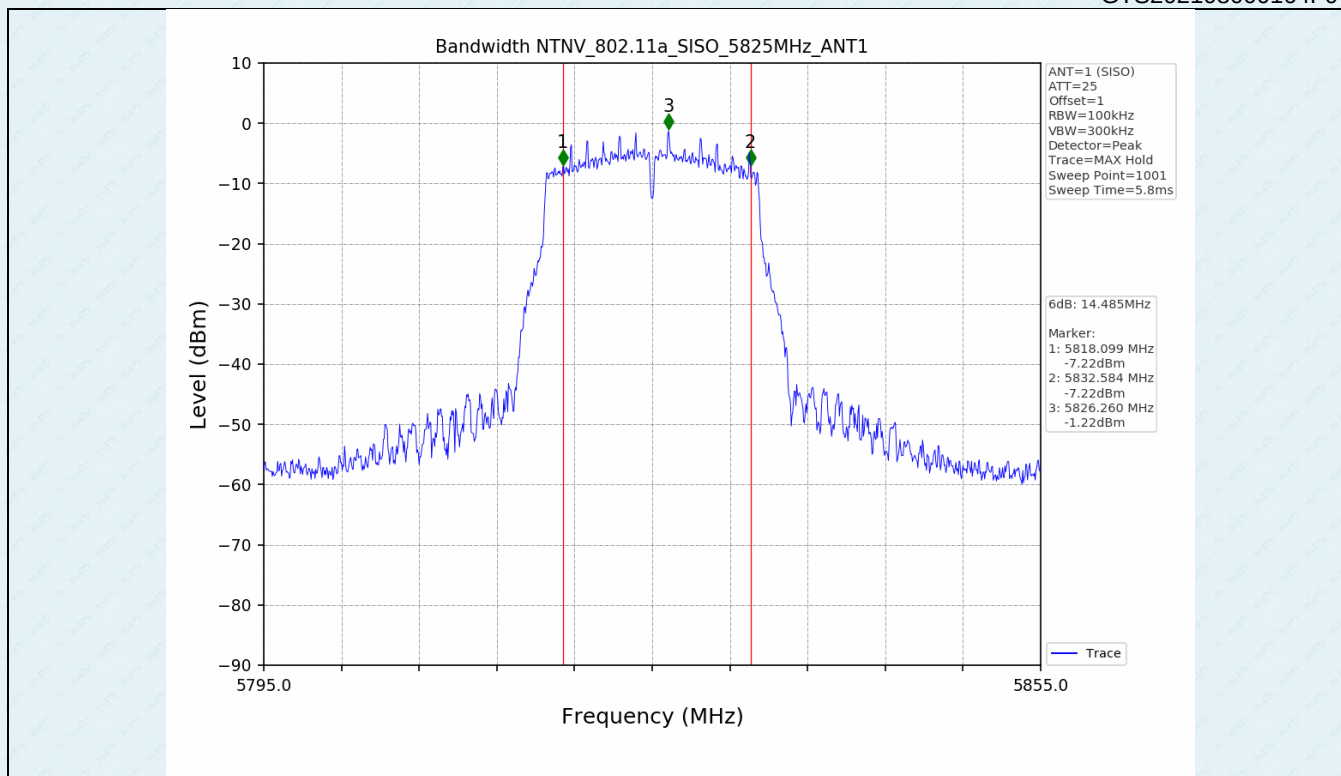
	5795	SISO	1	35.187	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	15.206	≥0.5	PASS
	5785	SISO	1	15.112	≥0.5	PASS
	5825	SISO	1	15.192	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.217	≥0.5	PASS
	5795	SISO	1	35.212	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.836	≥0.5	PASS

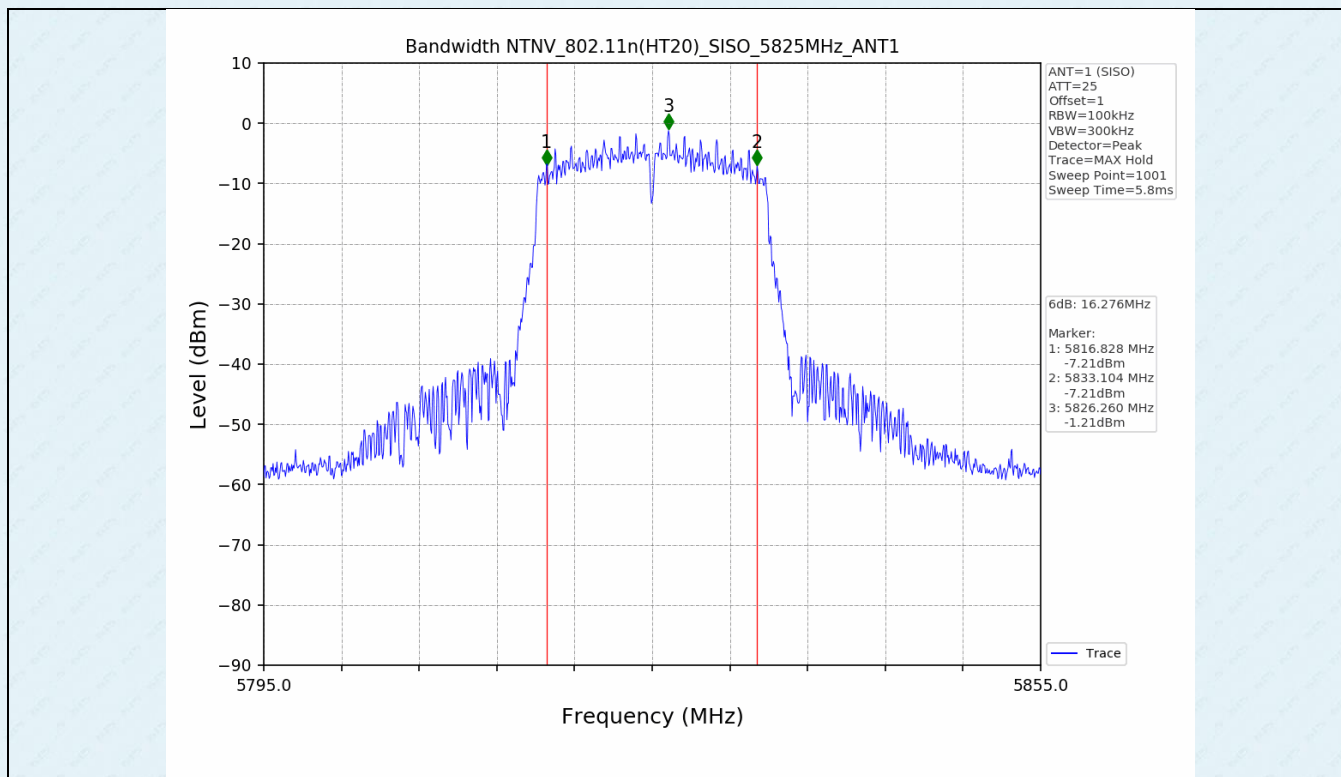
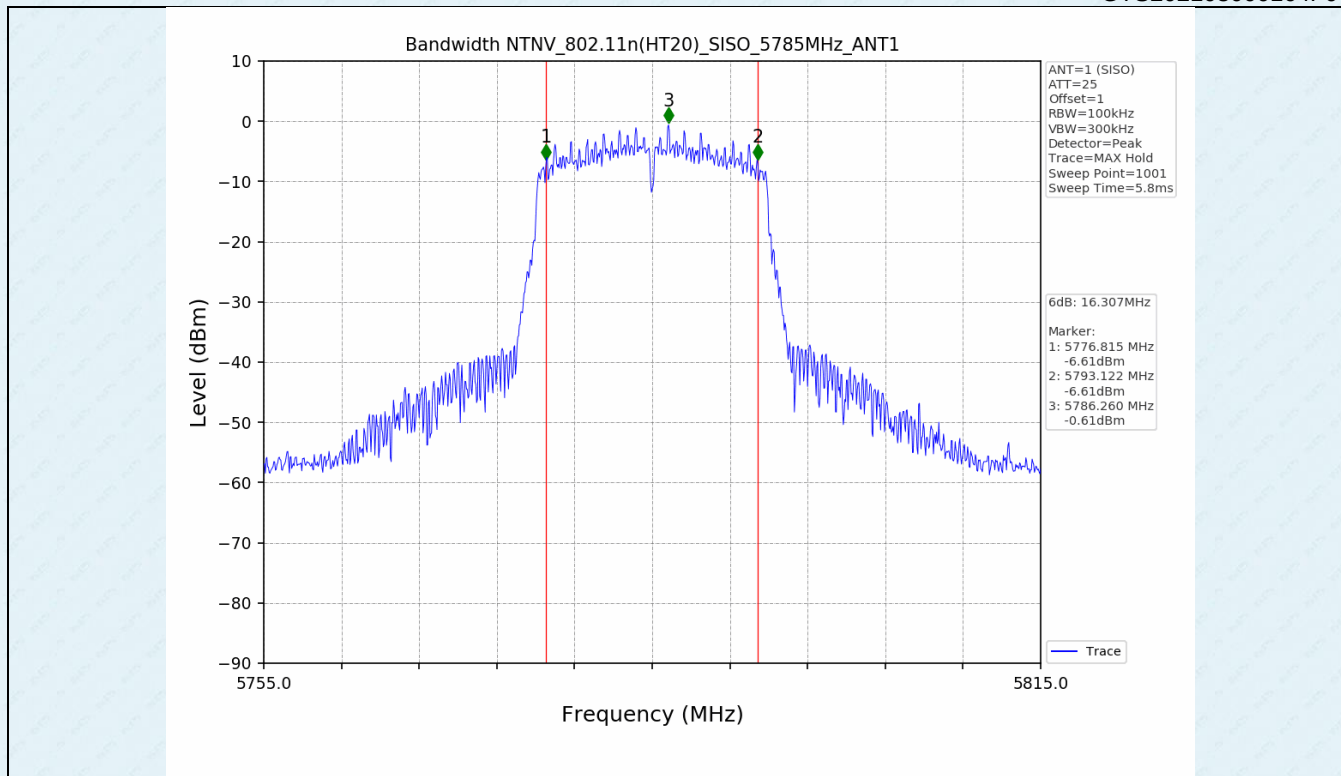
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	16.668	Only for Report Use
	5785	SISO	1	16.662	Only for Report Use
	5825	SISO	1	16.664	Only for Report Use
802.11n(HT20)	5745	SISO	1	17.647	Only for Report Use
	5785	SISO	1	17.676	Only for Report Use
	5825	SISO	1	17.642	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.398	Only for Report Use
	5795	SISO	1	36.355	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	17.643	Only for Report Use
	5785	SISO	1	17.651	Only for Report Use
	5825	SISO	1	17.623	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.353	Only for Report Use
	5795	SISO	1	36.338	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	75.891	Only for Report Use

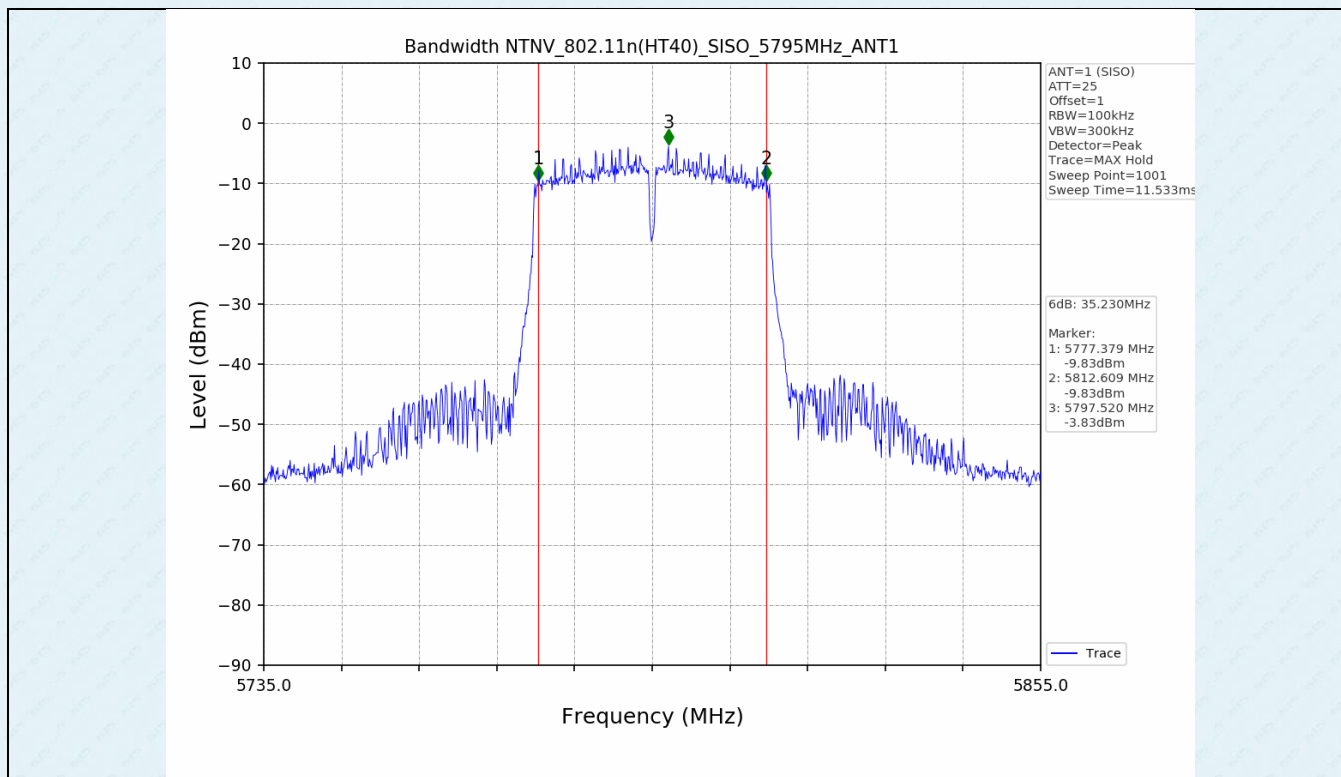
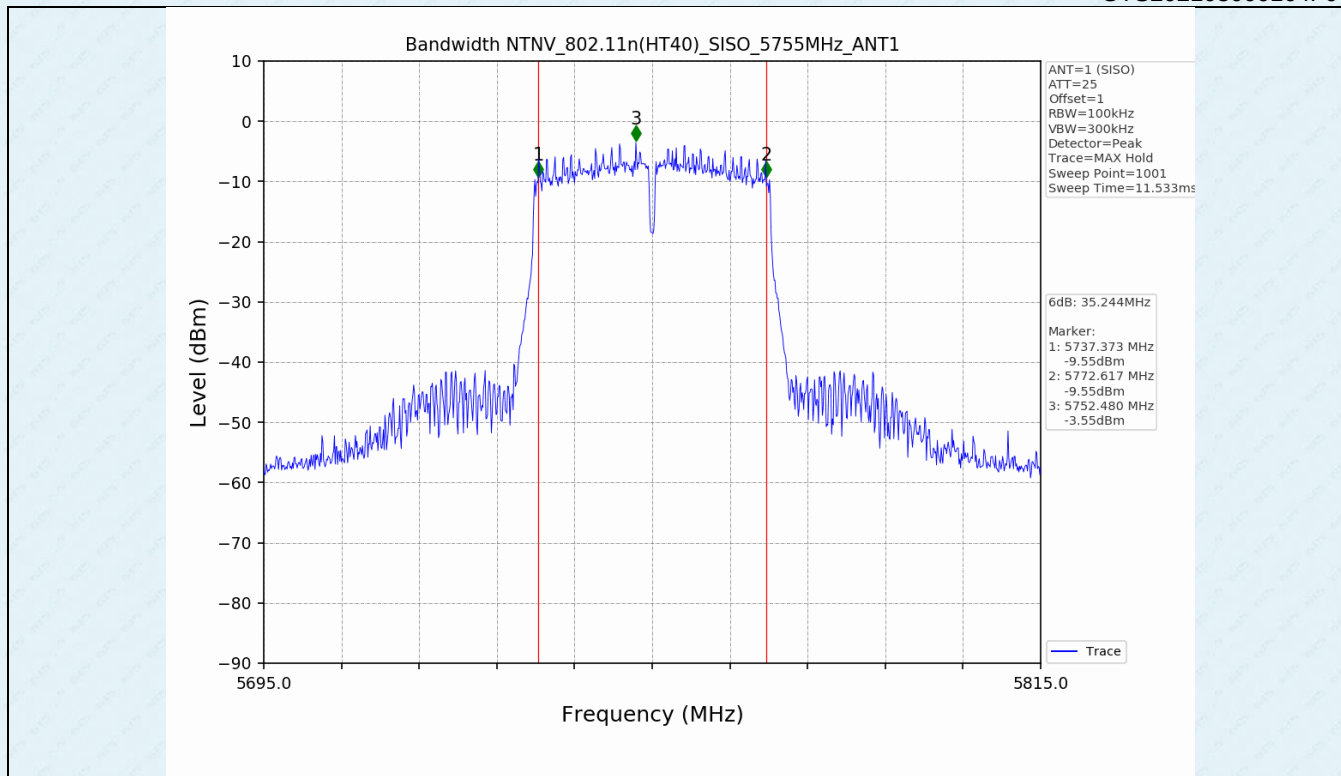
2.2 Test Graph - Emission Bandwidth

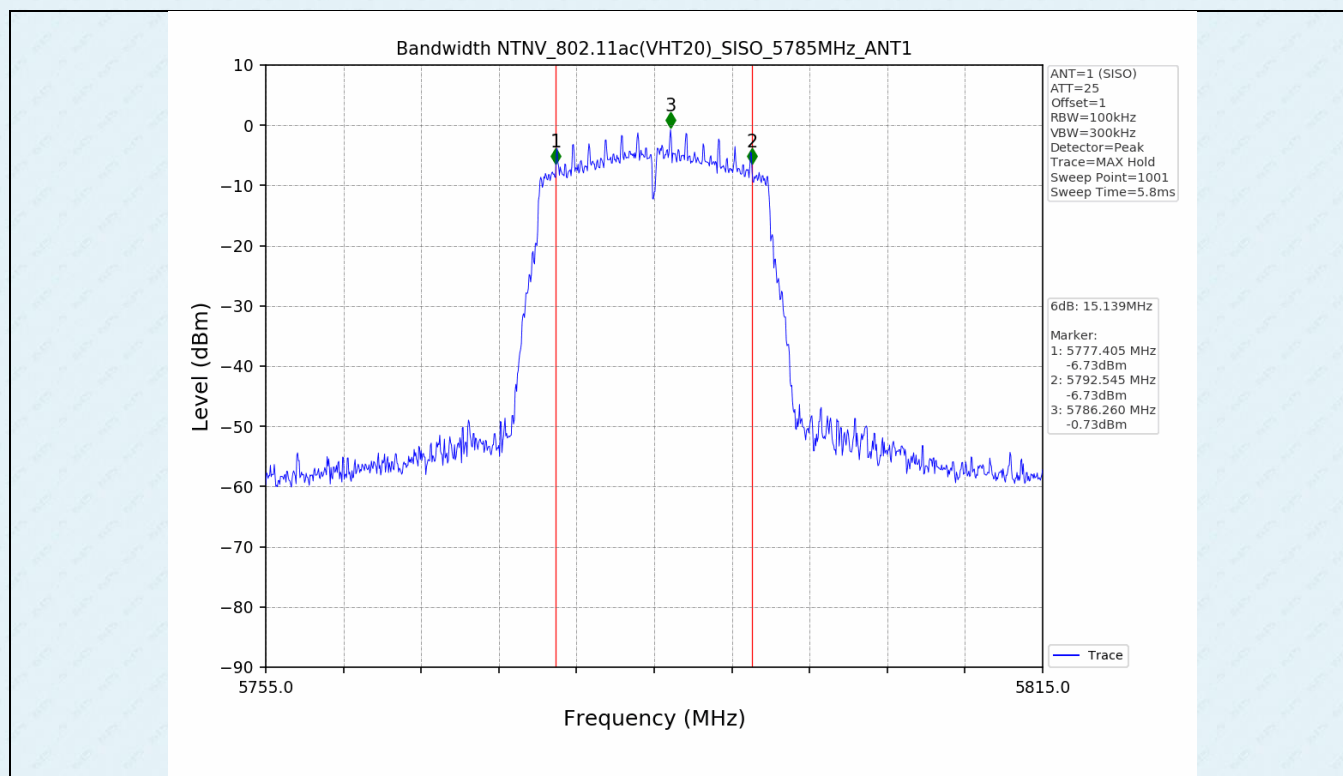
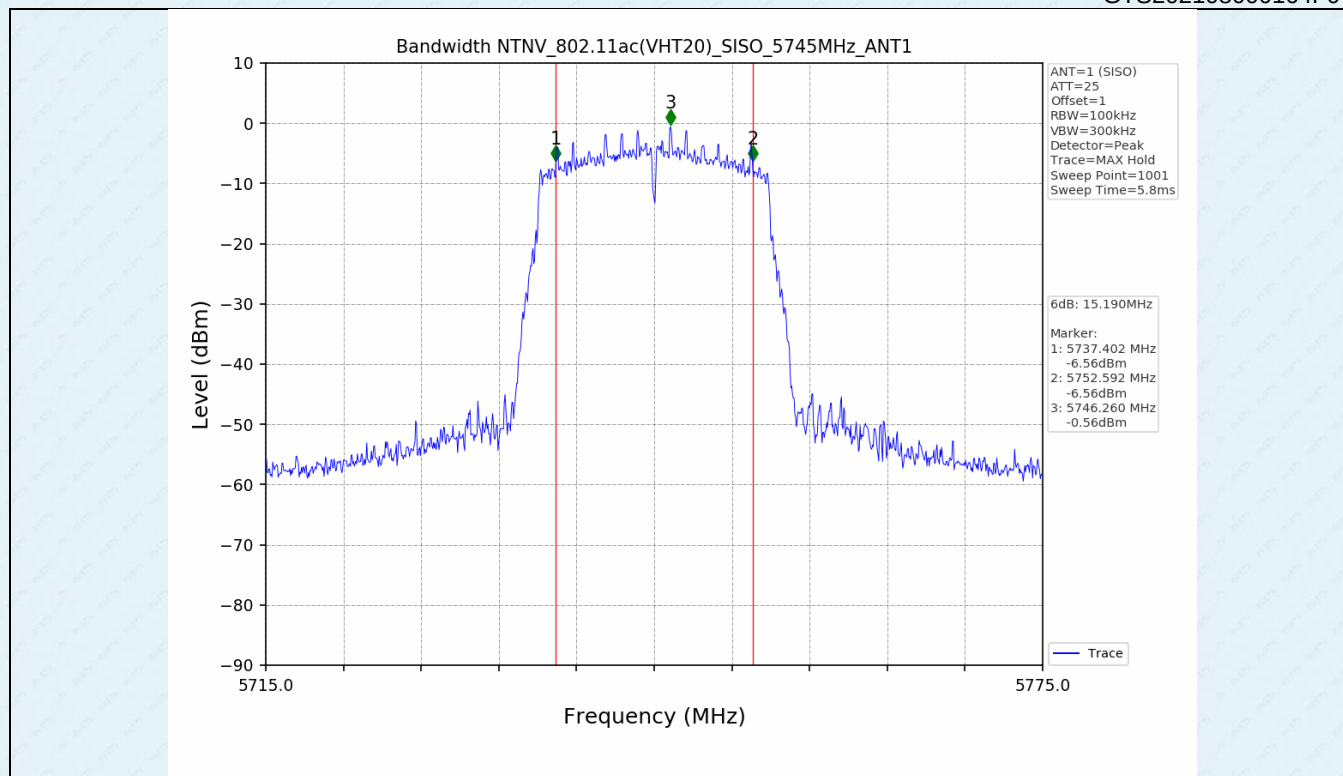
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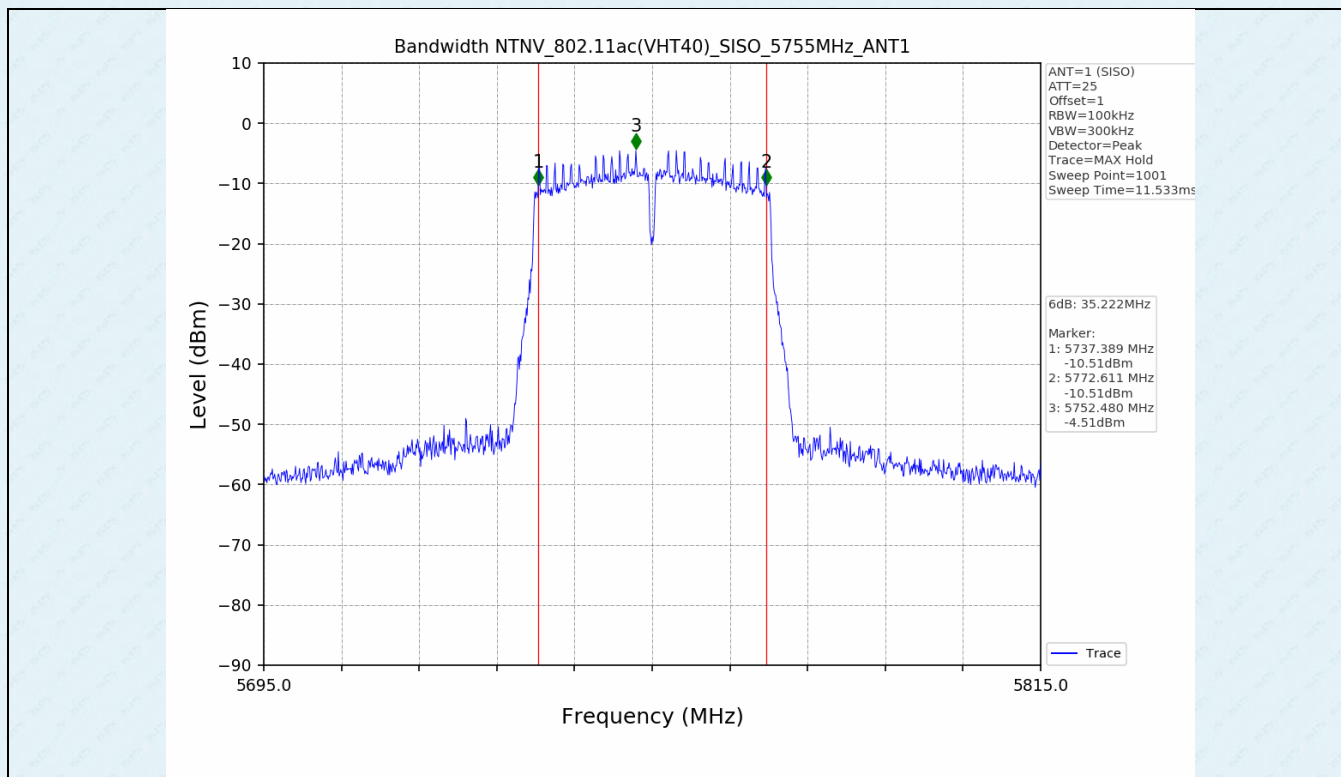
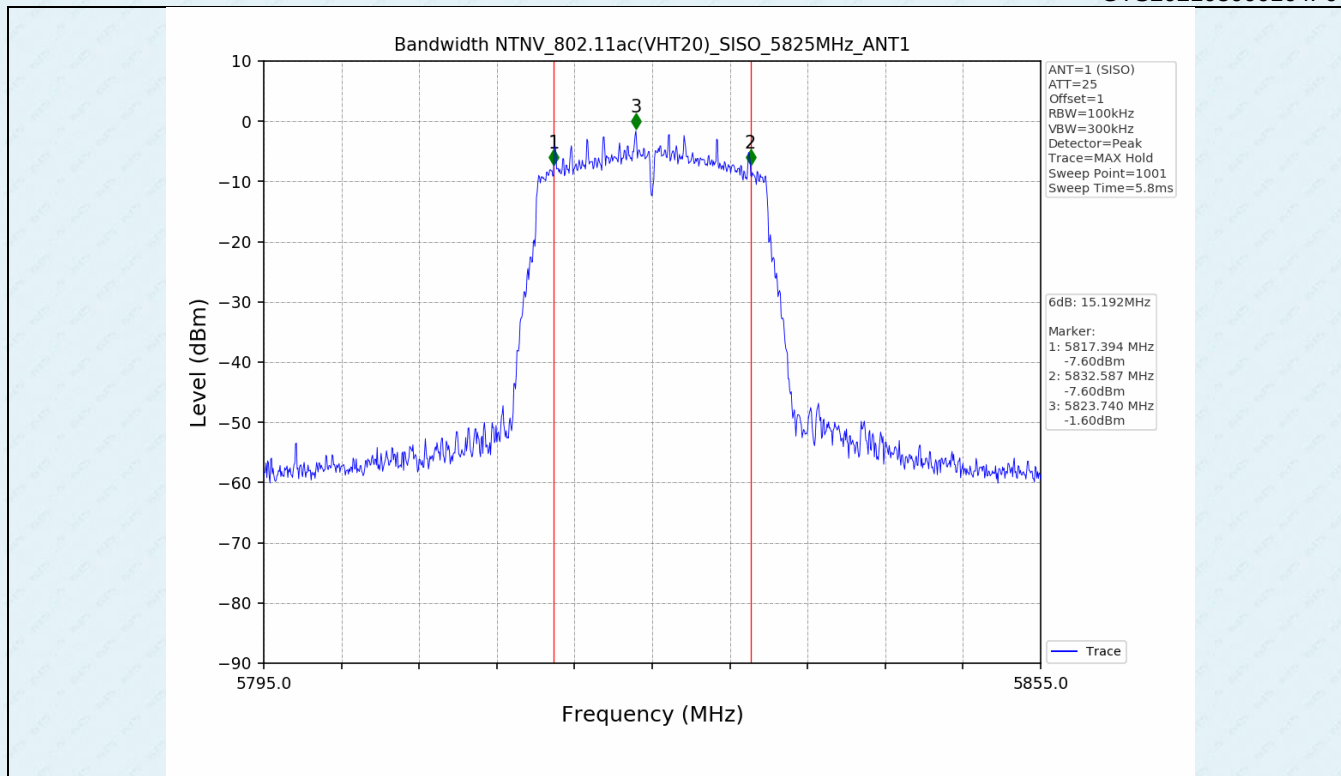


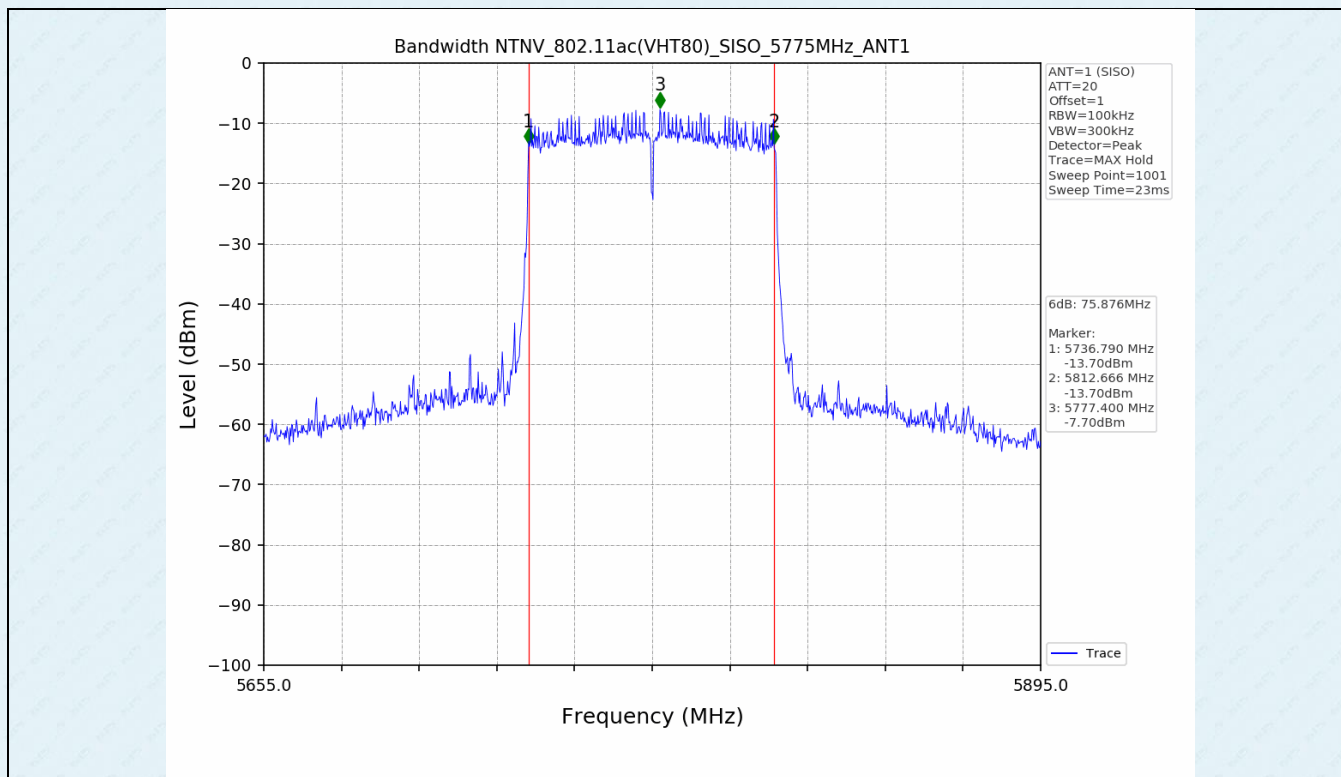
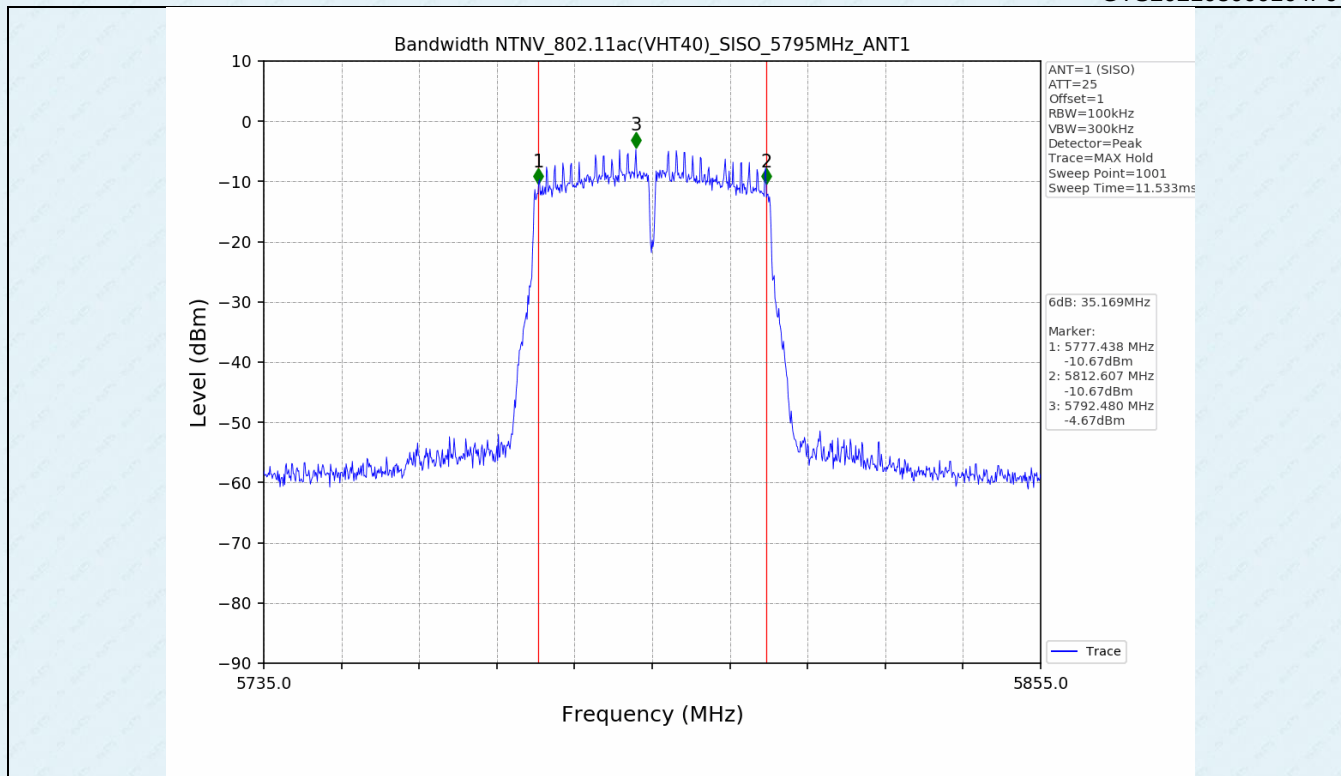




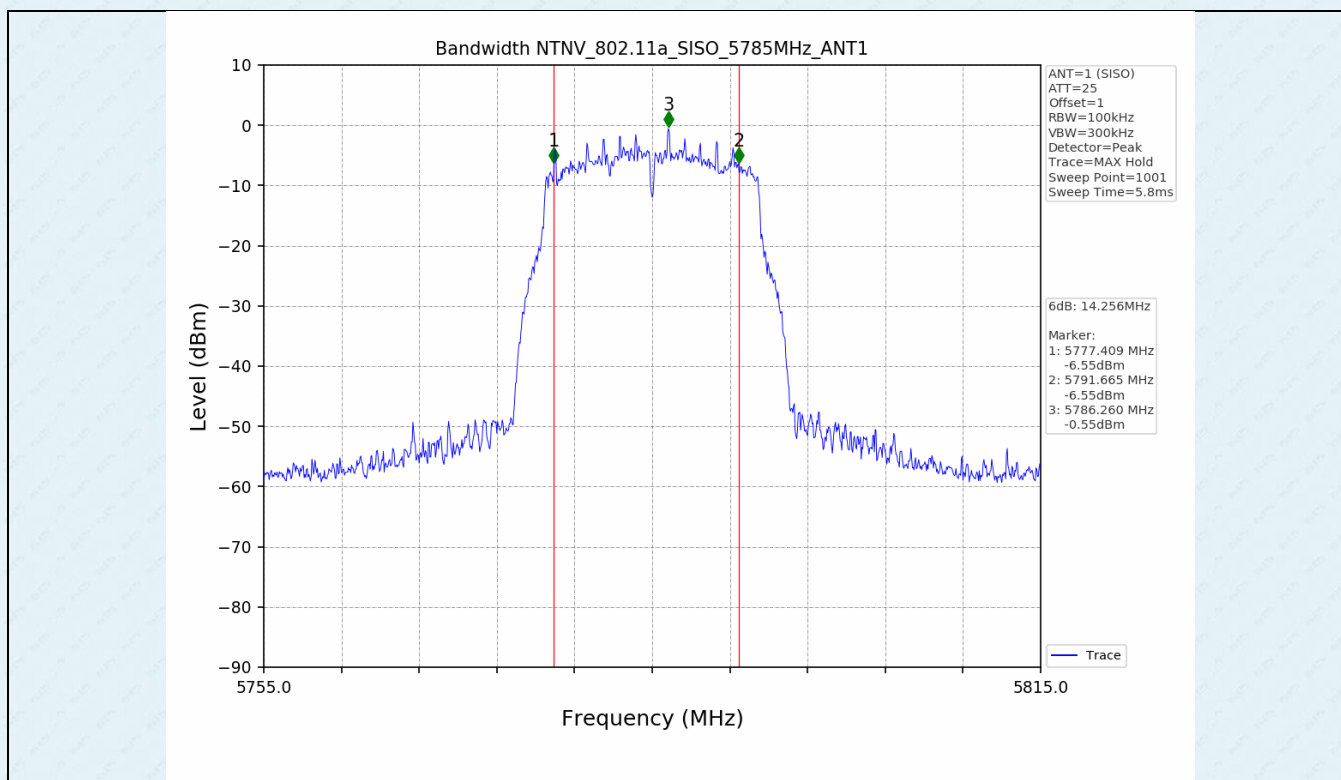
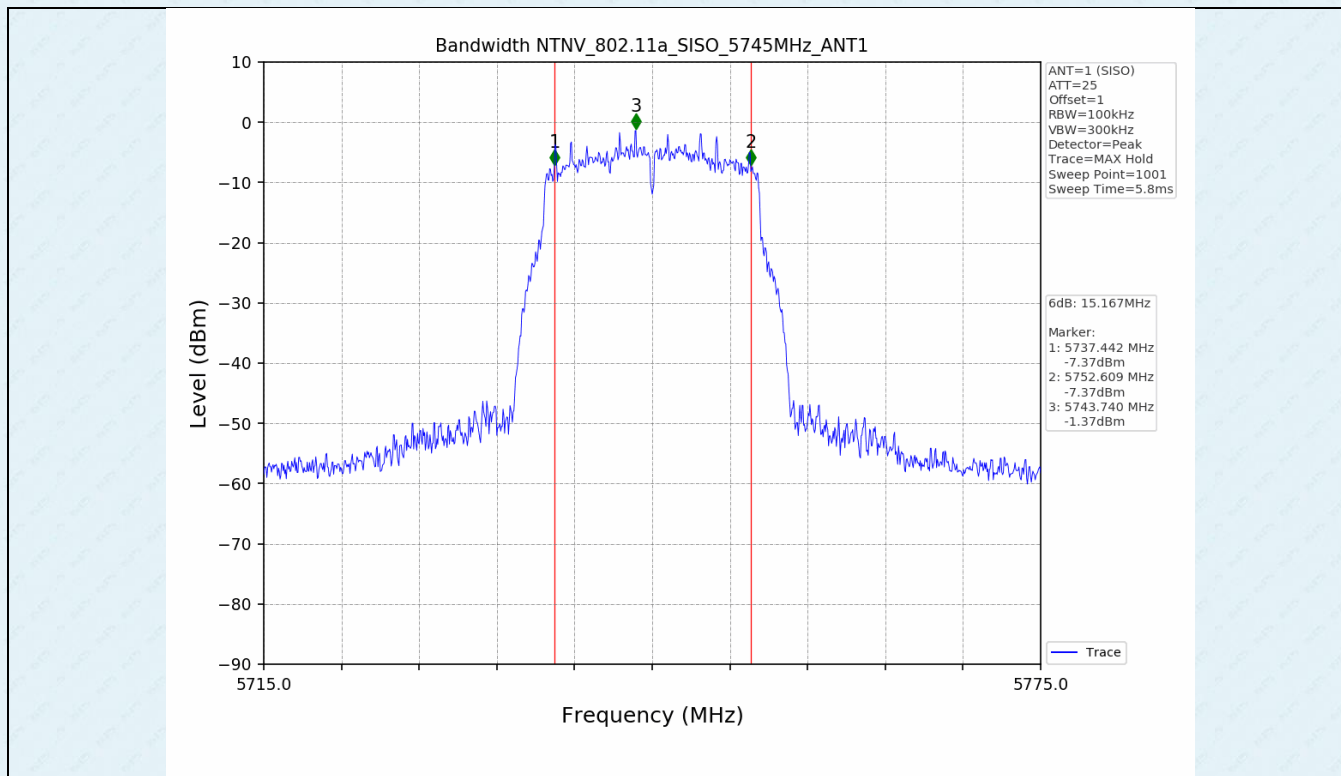








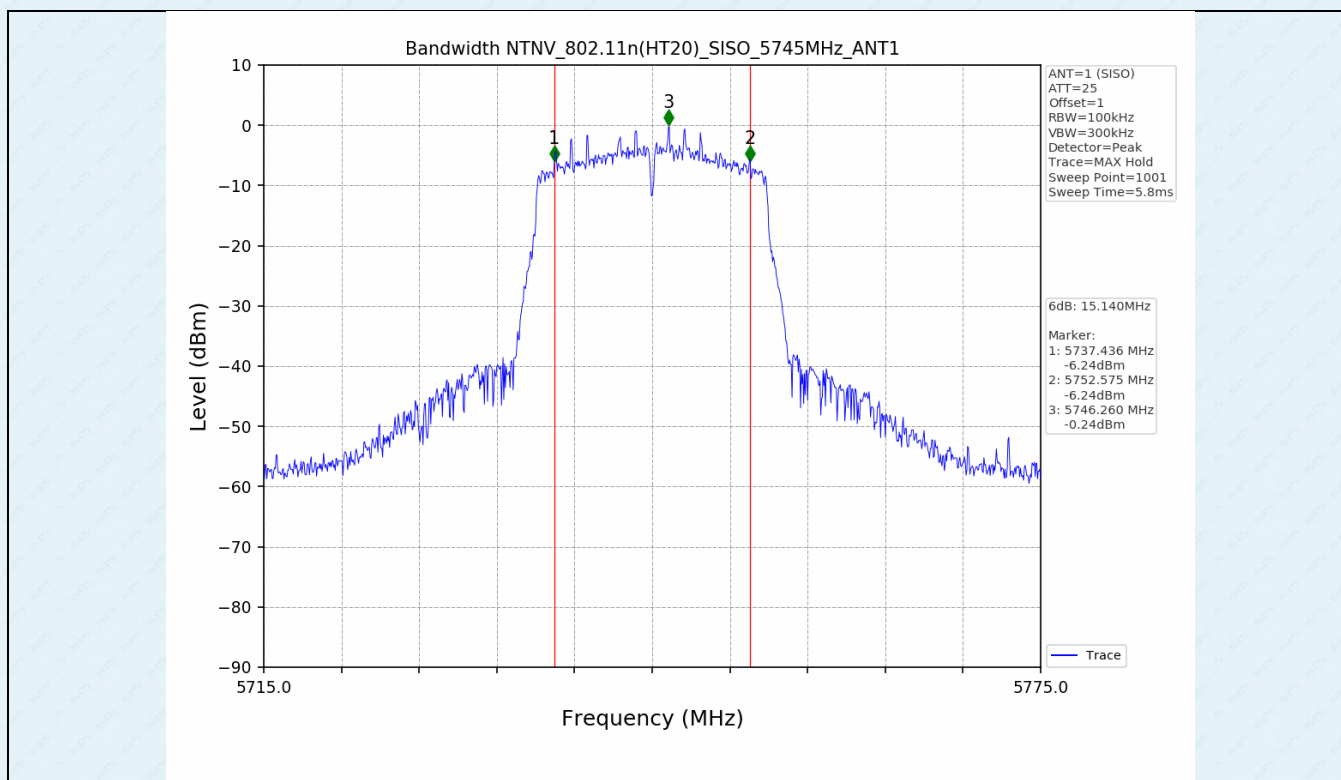
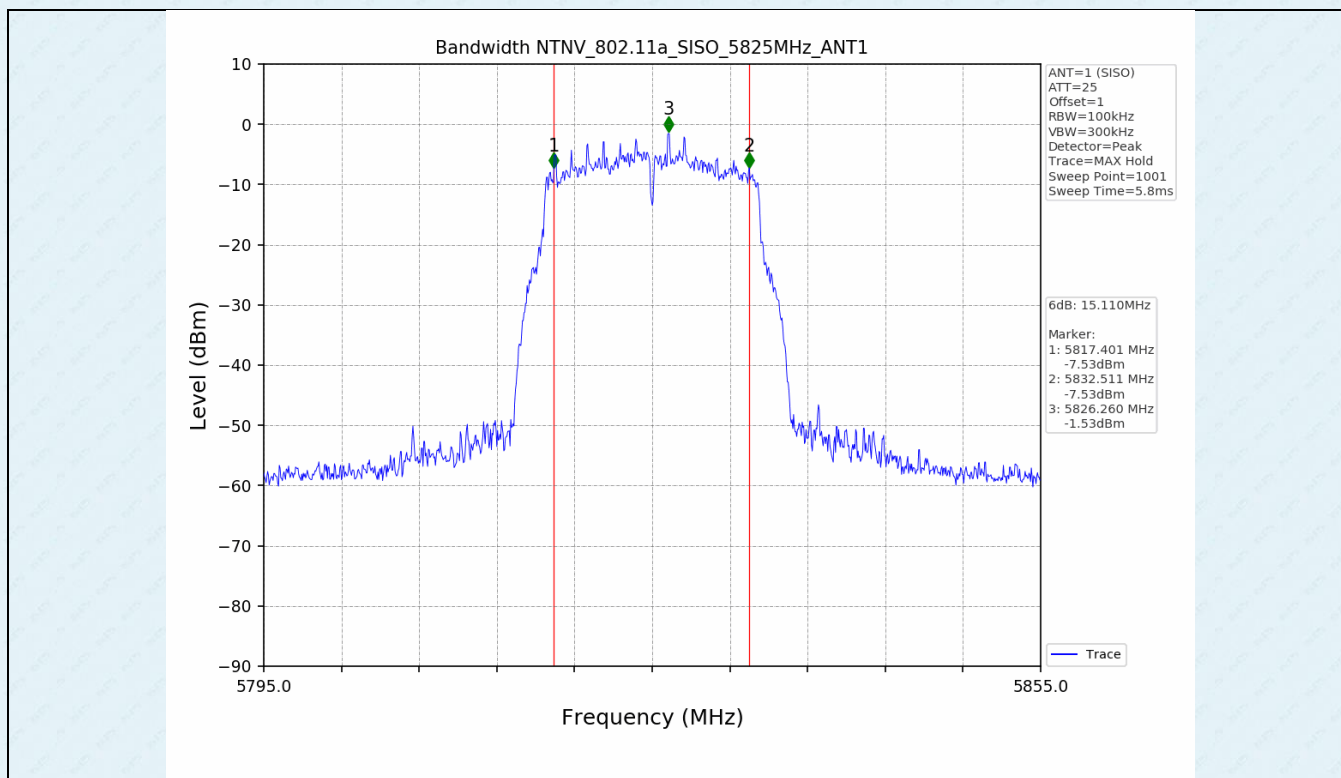
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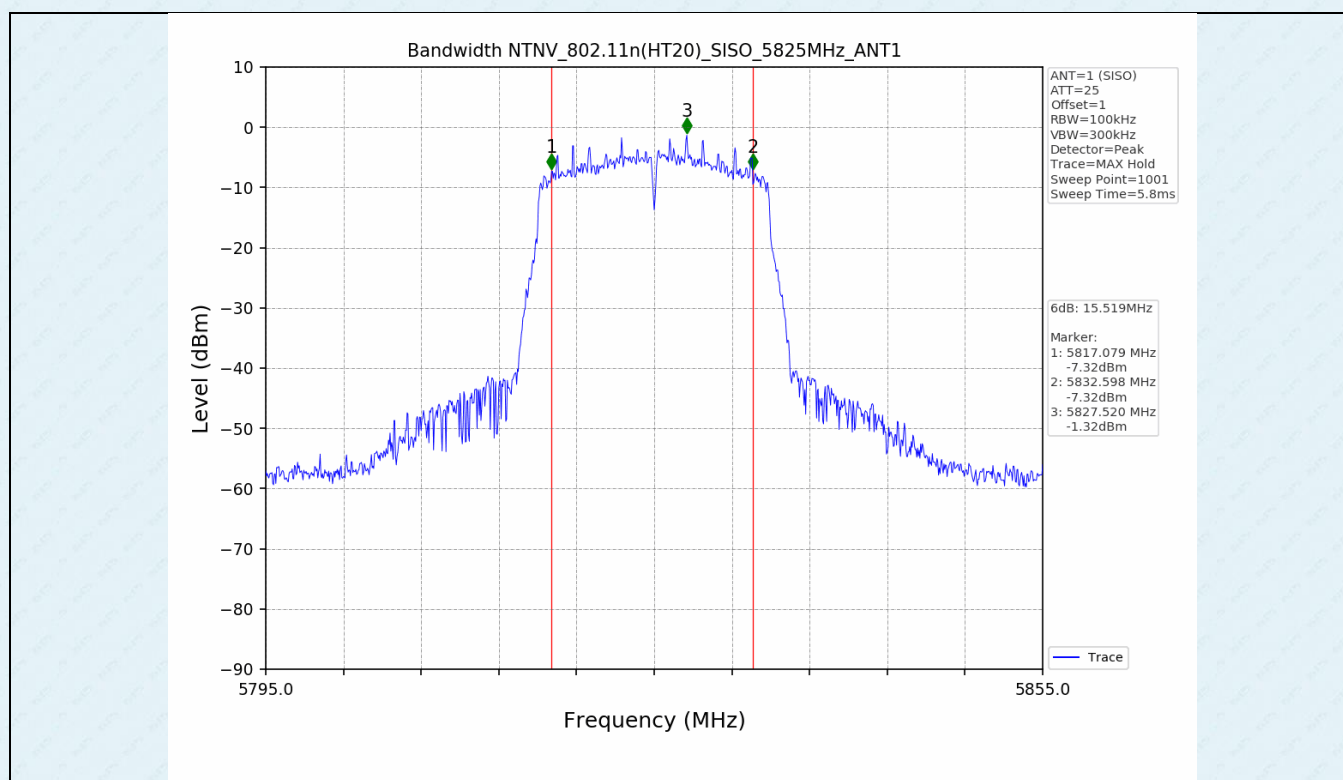
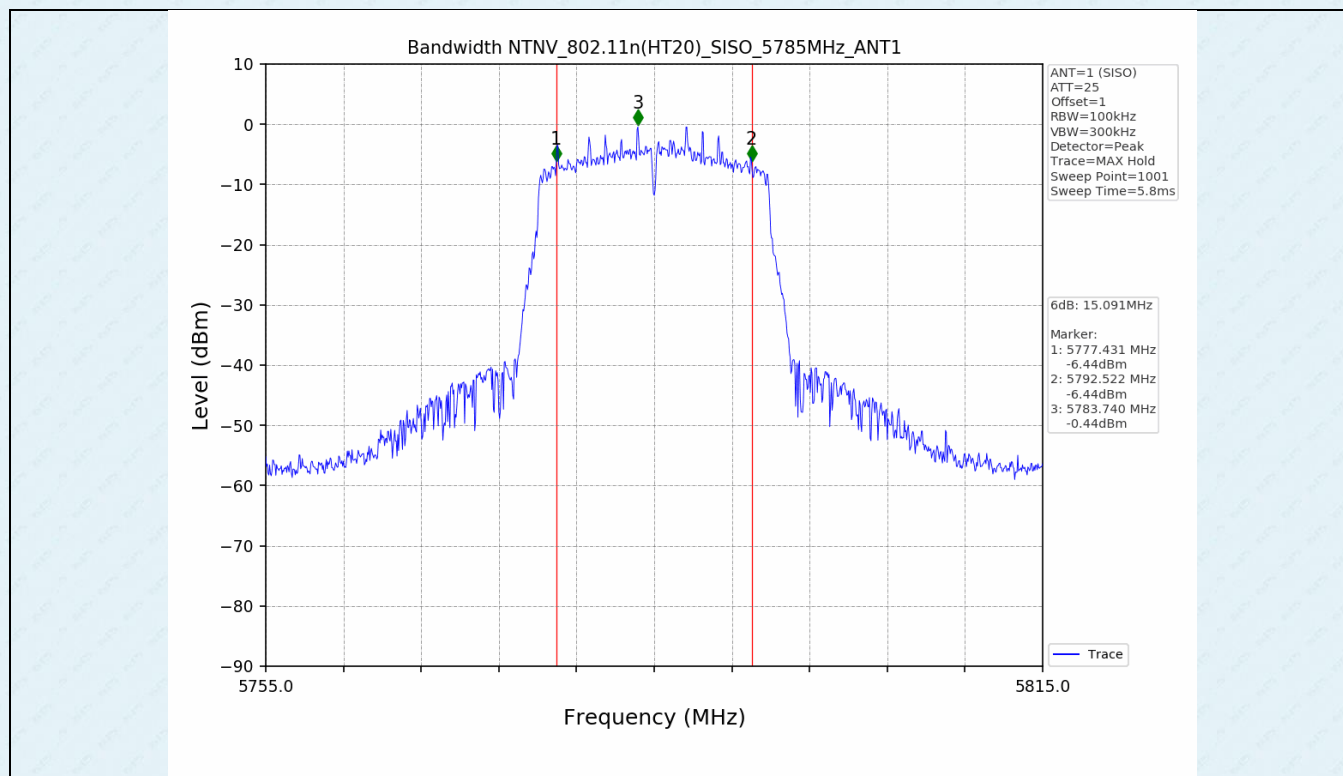


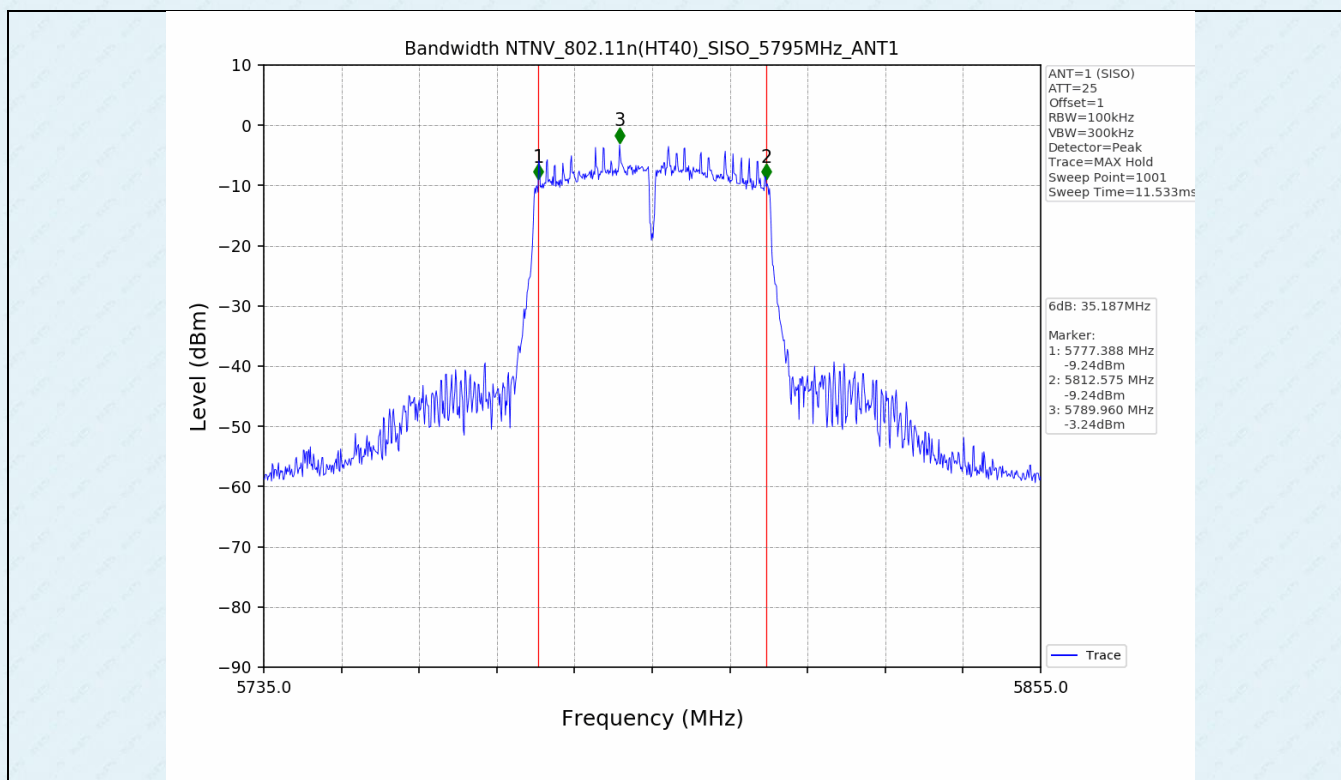
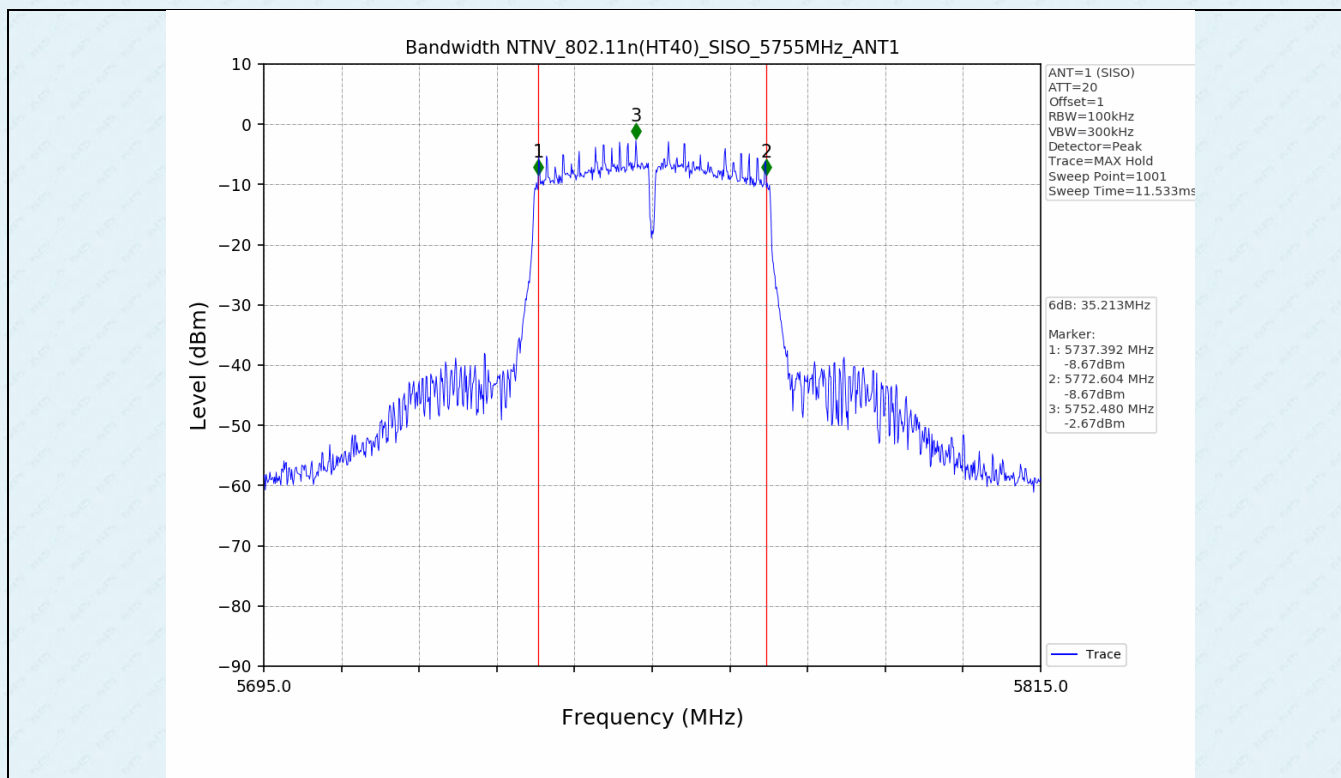
Global United Technology Services Co., Ltd.

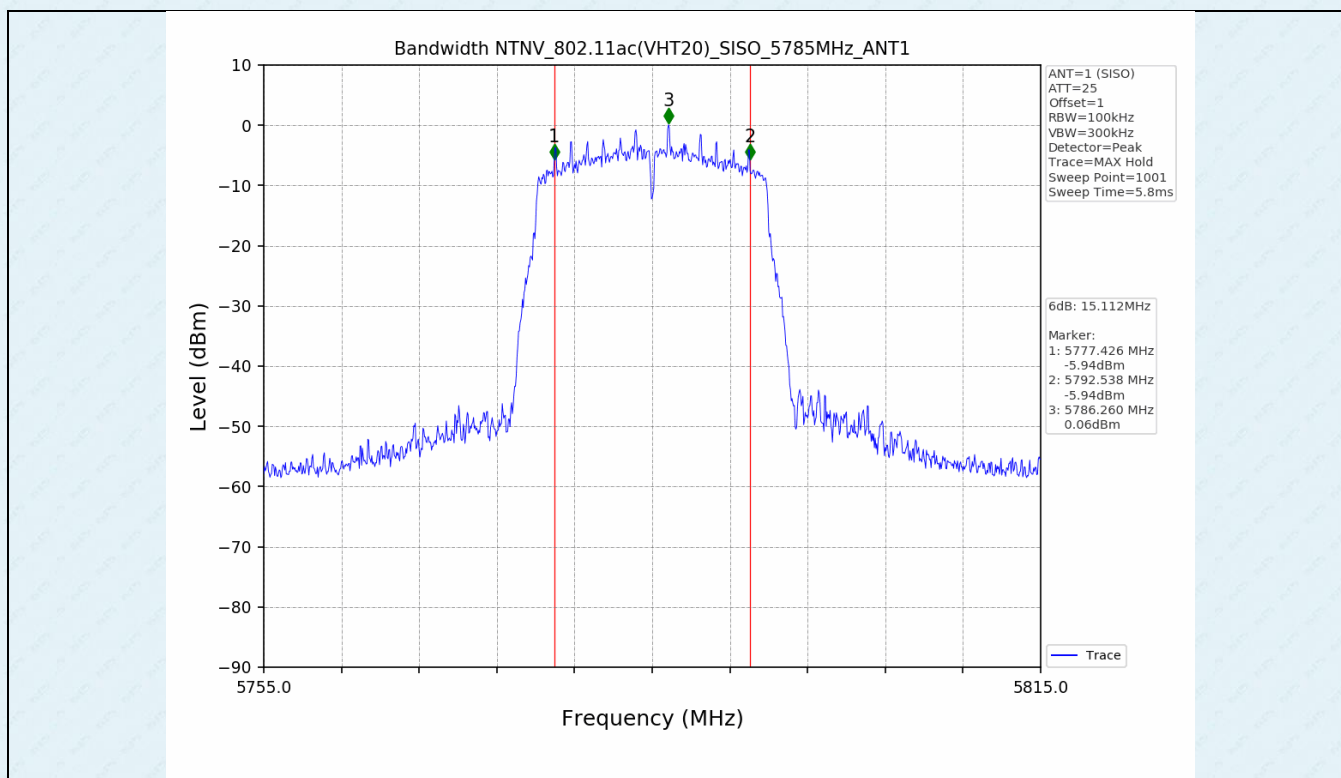
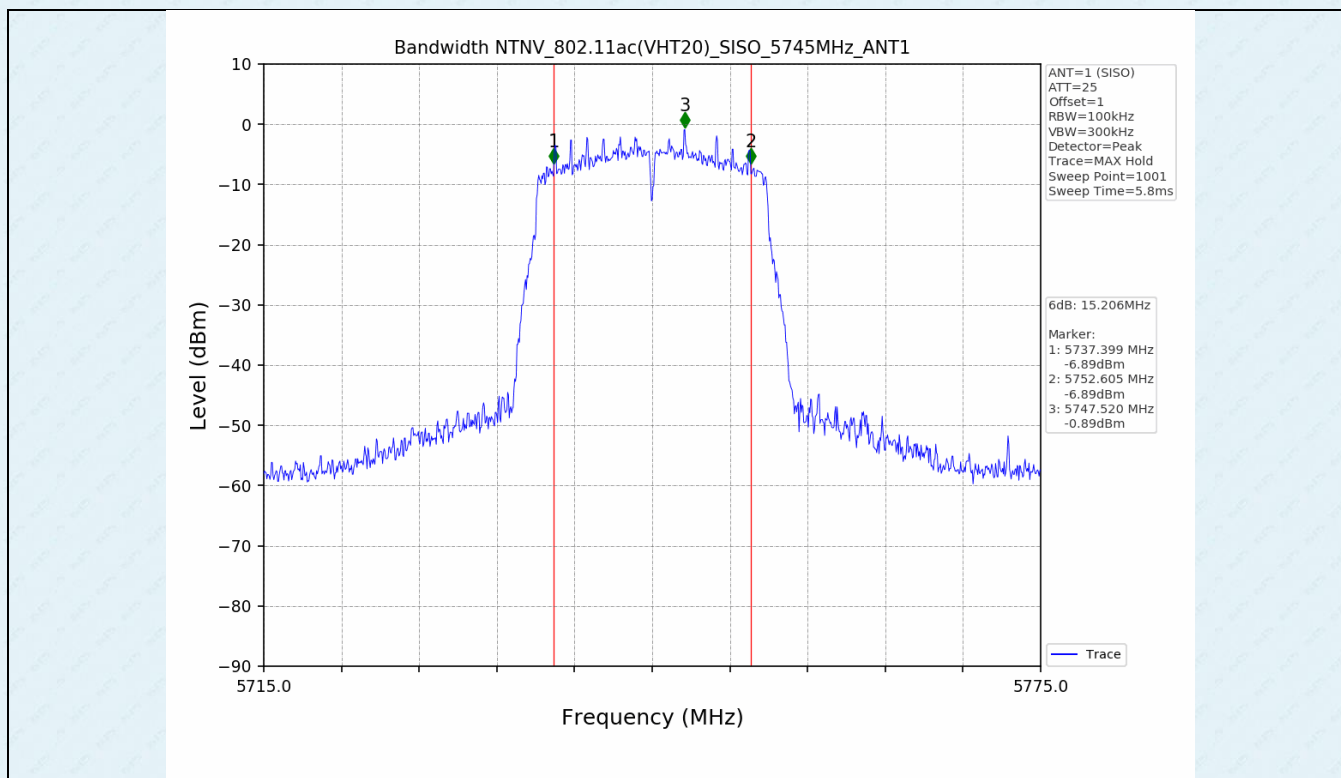
No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone,
Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

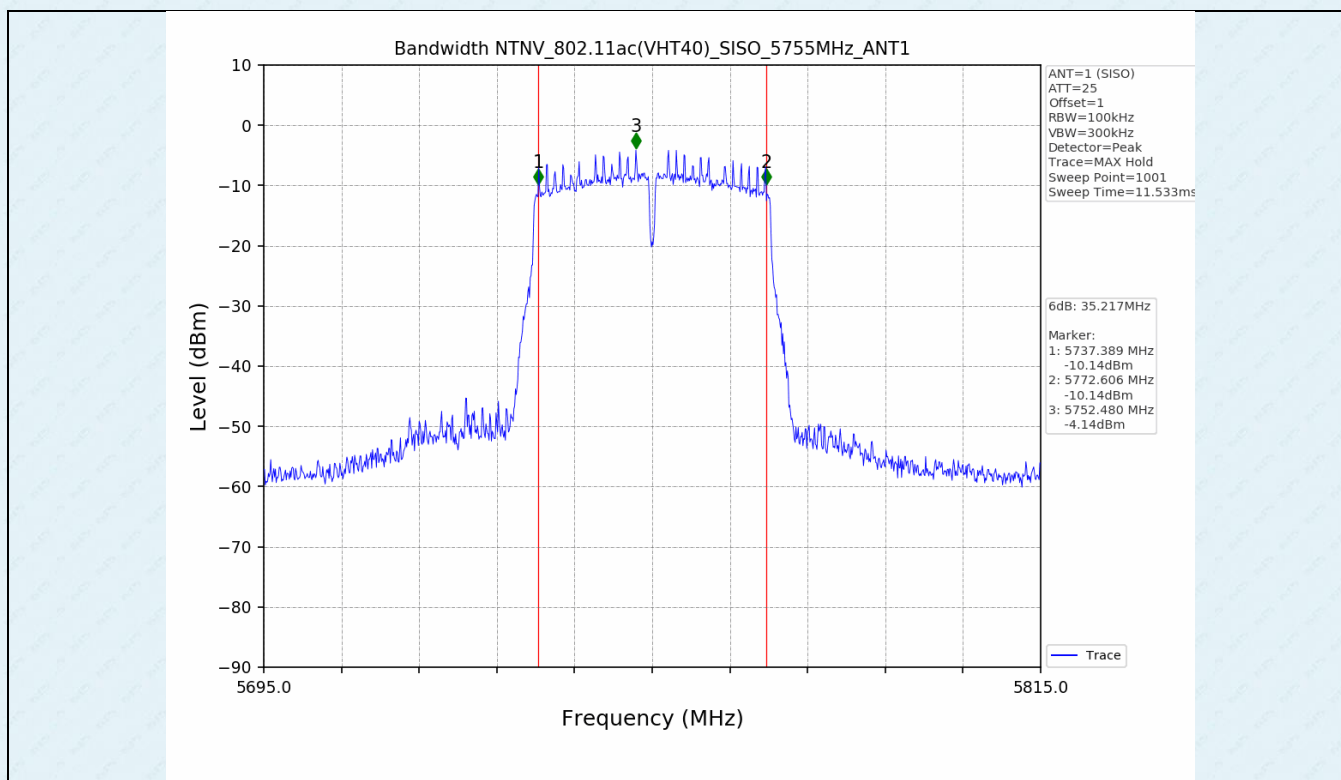
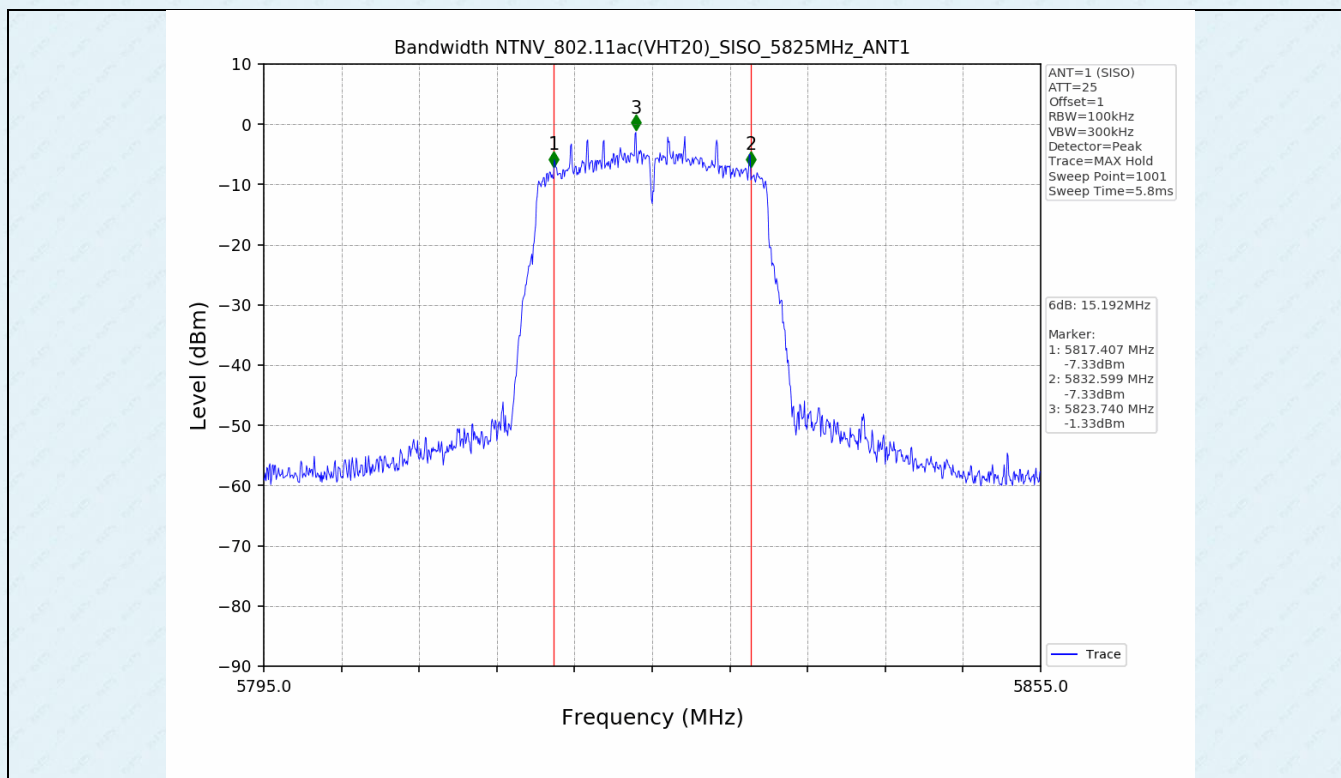
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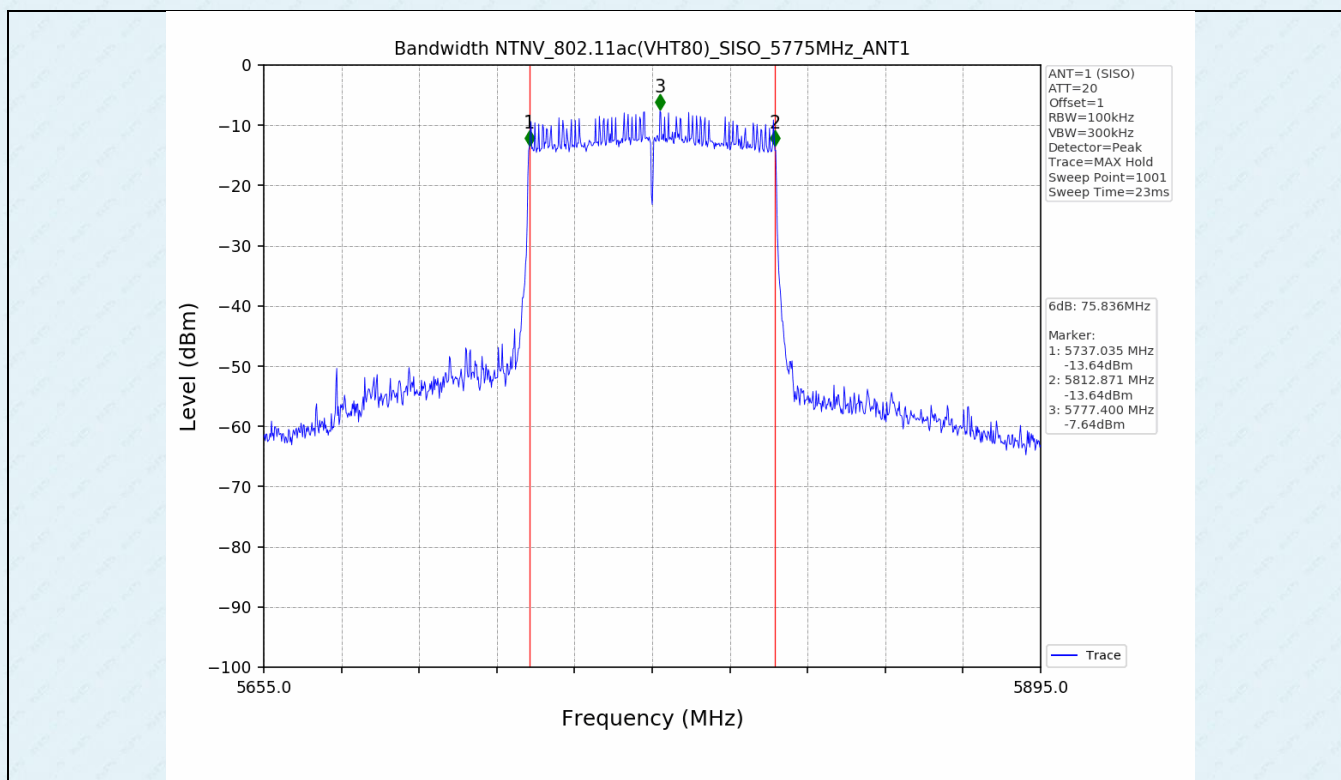
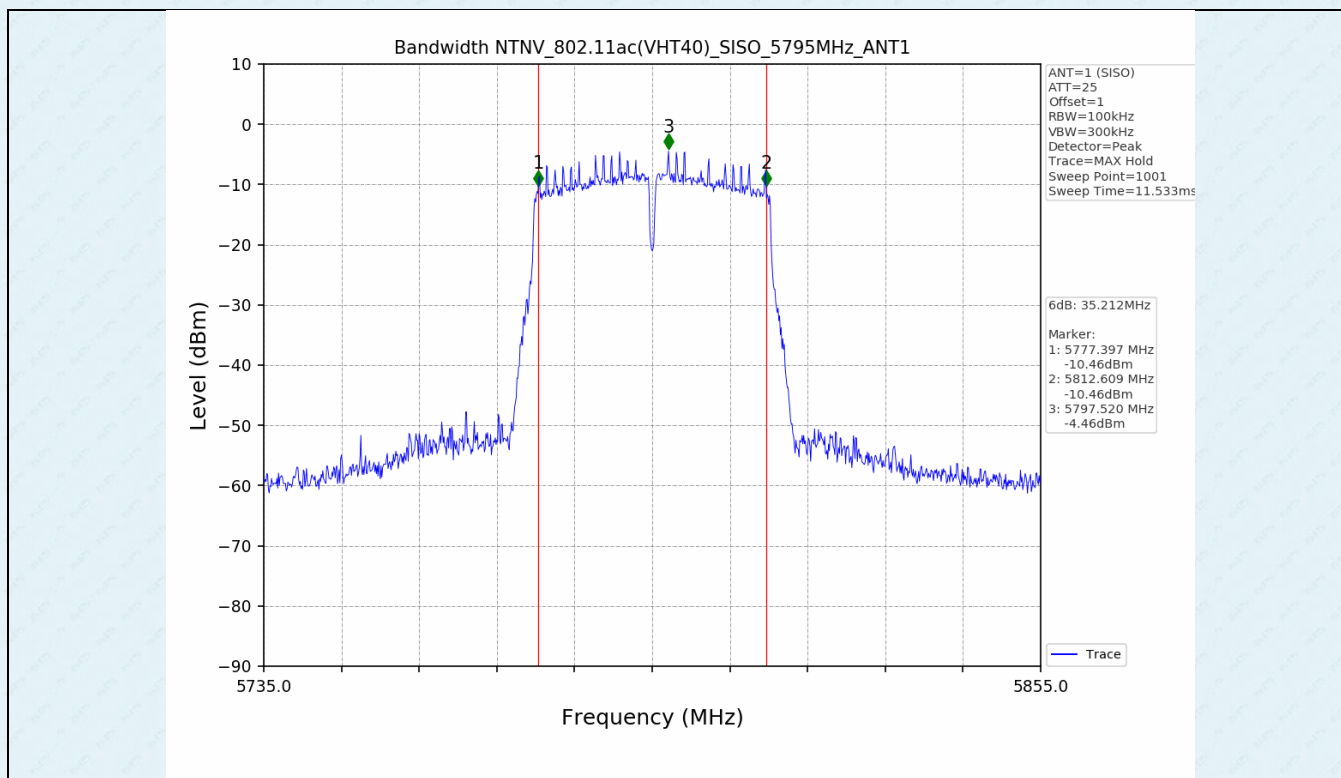












2.3 Test Graph - 99% Occupied Bandwidth

ANT 1:

