

Appendix D for KSEM210300035304

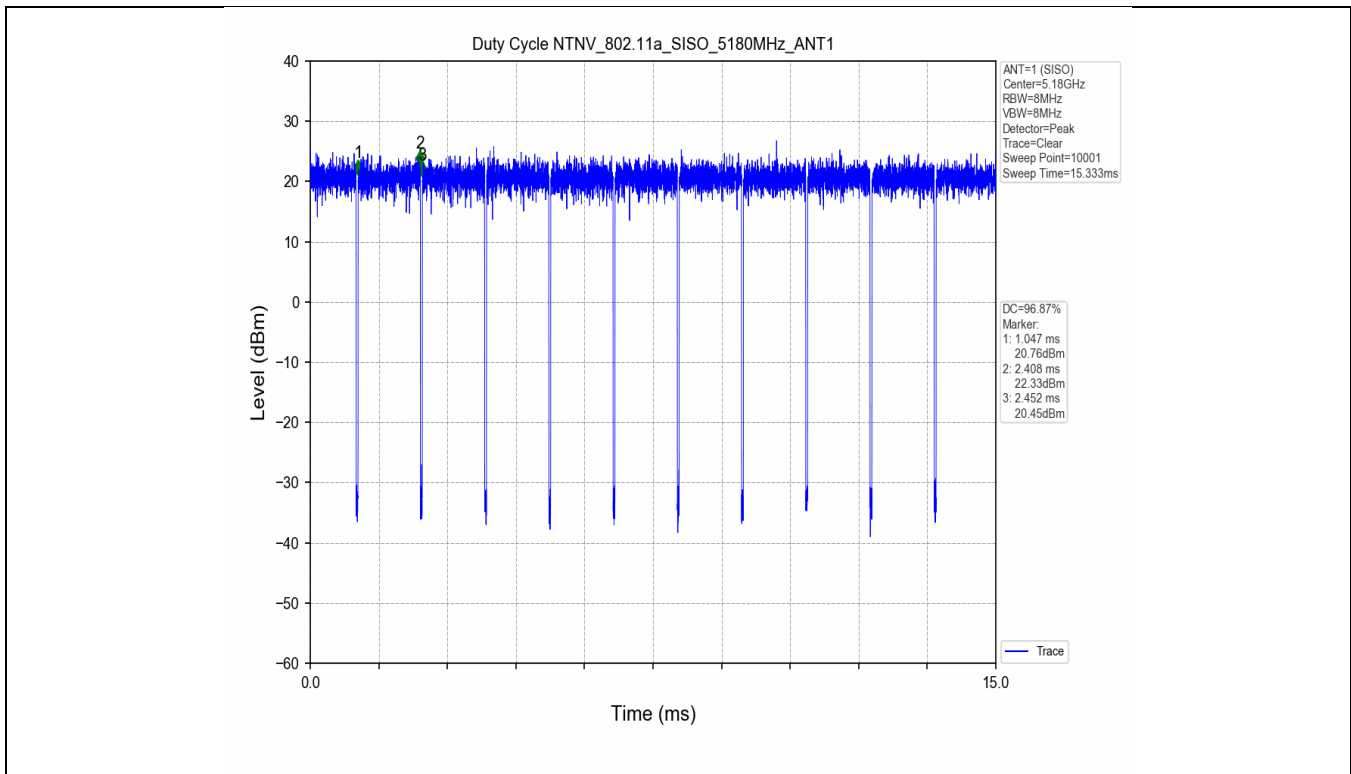
1. Duty Cycle

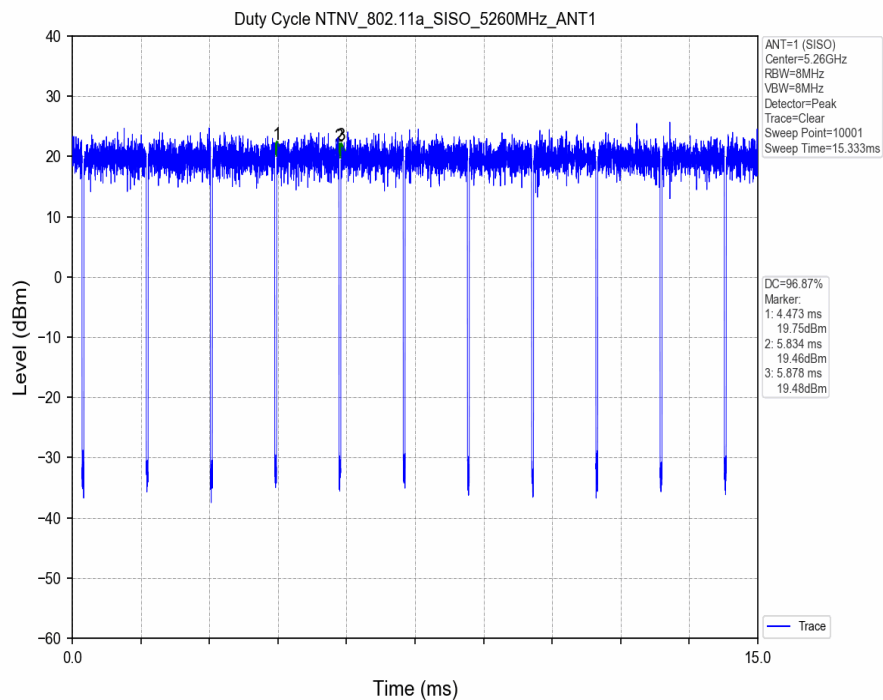
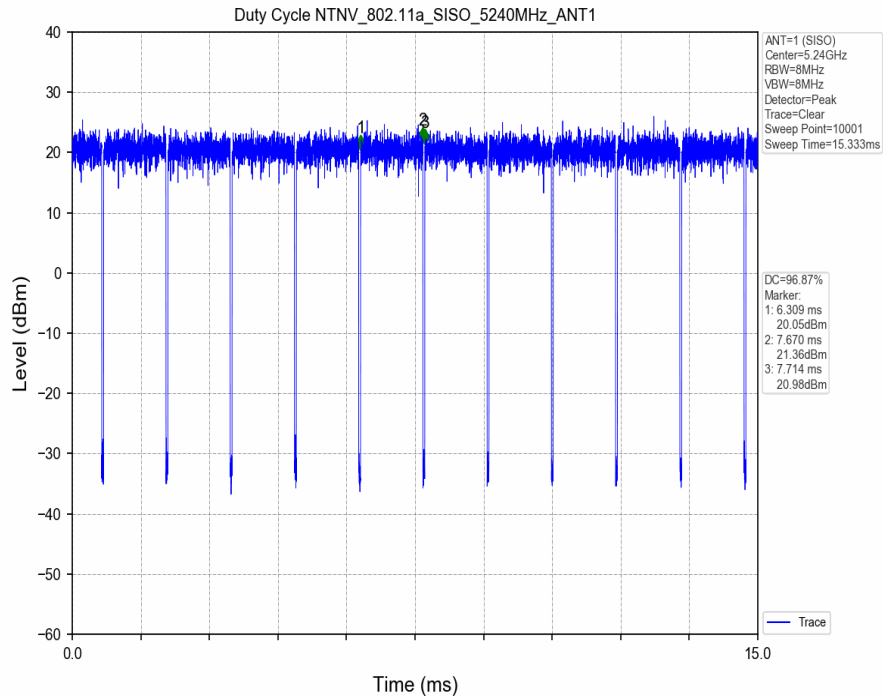
1.1 Test Result

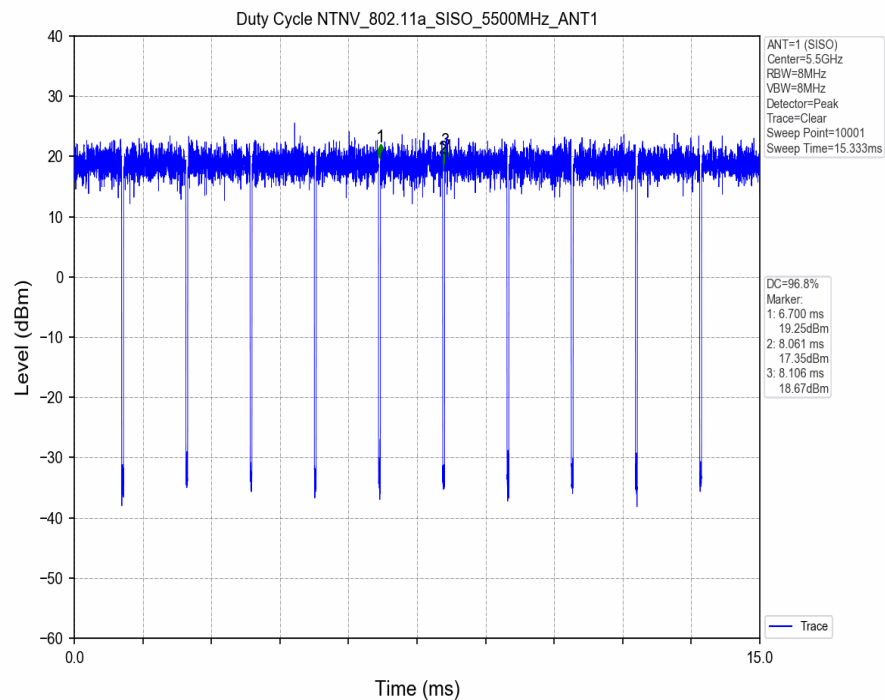
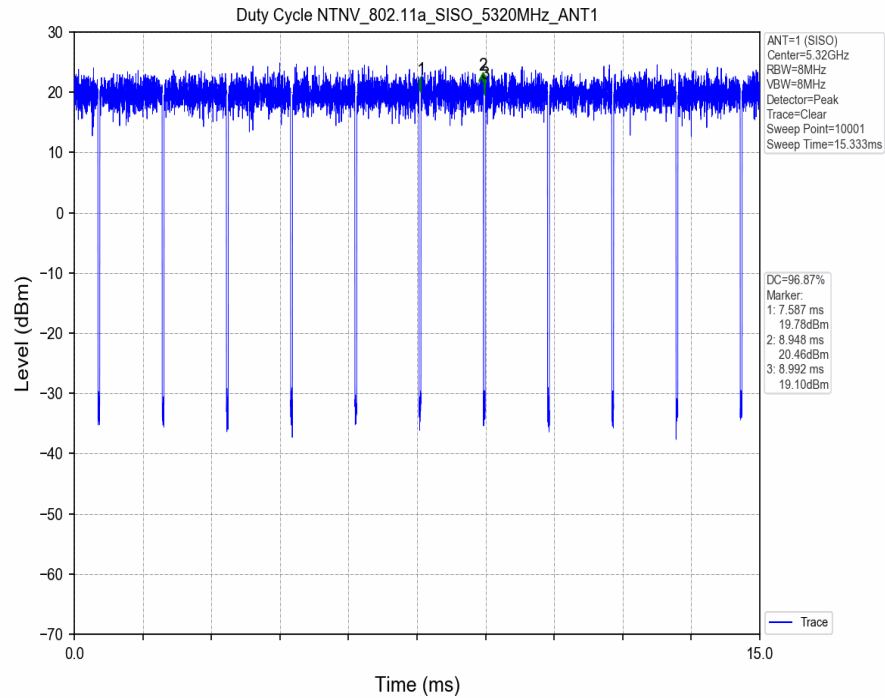
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.361	1.405	96.87	0.14
	5240	SISO	1	1.361	1.405	96.87	0.14
	5260	SISO	1	1.361	1.405	96.87	0.14
	5320	SISO	1	1.361	1.405	96.87	0.14
	5500	SISO	1	1.361	1.406	96.80	0.14
	5580	SISO	1	1.361	1.406	96.80	0.14
	5660	SISO	1	1.361	1.406	96.80	0.14
	5700	SISO	1	1.360	1.406	96.73	0.14
	5745	SISO	1	1.361	1.406	96.80	0.14
	5785	SISO	1	1.361	1.405	96.87	0.14
802.11n(HT20)	5825	SISO	1	1.361	1.405	96.87	0.14
	5180	SISO	1	1.299	1.344	96.65	0.15
	5200	SISO	1	1.302	1.346	96.73	0.14
	5240	SISO	1	1.299	1.344	96.65	0.15
	5260	SISO	1	1.299	1.344	96.65	0.15
	5300	SISO	1	1.299	1.344	96.65	0.15
	5320	SISO	1	1.300	1.344	96.73	0.14
	5500	SISO	1	1.299	1.344	96.65	0.15
	5580	SISO	1	1.299	1.344	96.65	0.15
	5660	SISO	1	1.299	1.344	96.65	0.15
	5700	SISO	1	1.299	1.344	96.65	0.15
	5745	SISO	1	1.299	1.344	96.65	0.15
	5785	SISO	1	1.299	1.345	96.58	0.15
802.11n(HT40)	5825	SISO	1	1.299	1.344	96.65	0.15
	5190	SISO	1	0.618	0.661	93.49	0.29
	5230	SISO	1	0.619	0.661	93.65	0.28
	5270	SISO	1	0.618	0.660	93.64	0.29
	5310	SISO	1	0.618	0.660	93.64	0.29
	5510	SISO	1	0.618	0.661	93.49	0.29
	5550	SISO	1	0.618	0.661	93.49	0.29
	5590	SISO	1	0.618	0.661	93.49	0.29
	5670	SISO	1	0.619	0.661	93.65	0.28
	5755	SISO	1	0.618	0.660	93.64	0.29
802.11ac(VHT20)	5795	SISO	1	0.618	0.661	93.49	0.29
	5180	SISO	1	1.312	1.357	96.68	0.15
	5240	SISO	1	1.310	1.356	96.61	0.15
	5260	SISO	1	1.312	1.357	96.68	0.15
	5320	SISO	1	1.312	1.357	96.68	0.15
	5500	SISO	1	1.312	1.356	96.76	0.14
	5580	SISO	1	1.312	1.357	96.68	0.15
	5660	SISO	1	1.311	1.357	96.61	0.15
	5700	SISO	1	1.310	1.355	96.68	0.15

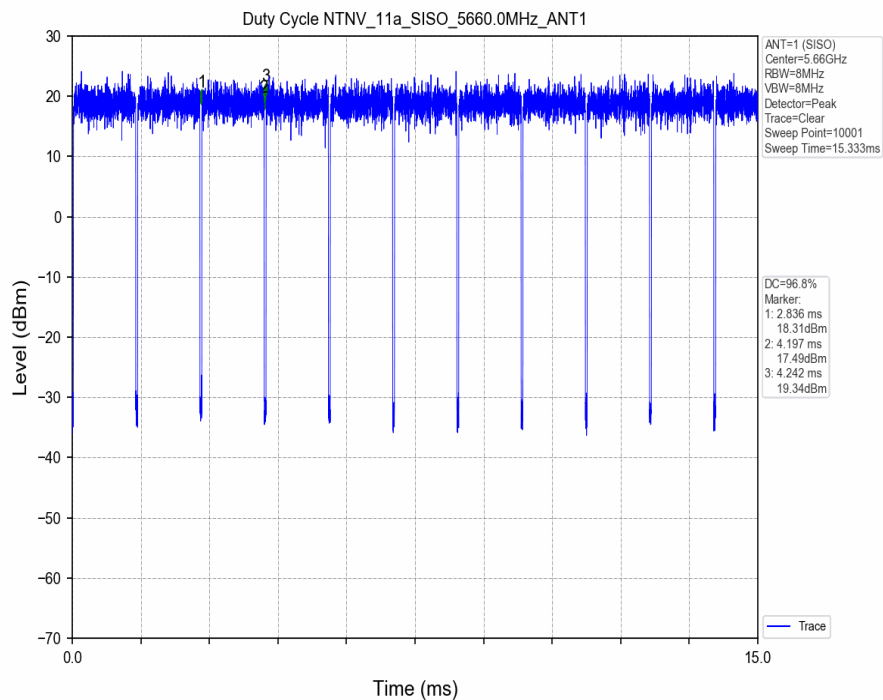
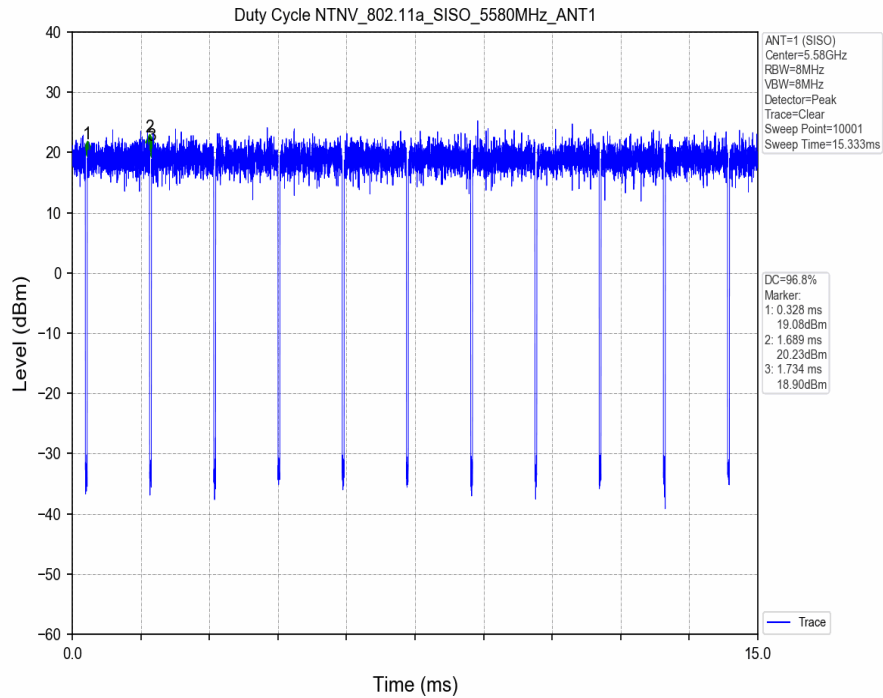
	5745	SISO	1	1.312	1.357	96.68	0.15
	5785	SISO	1	1.312	1.356	96.76	0.14
	5825	SISO	1	1.310	1.356	96.61	0.15
802.11ac(VHT40)	5190	SISO	1	0.623	0.665	93.68	0.28
	5230	SISO	1	0.622	0.665	93.53	0.29
	5270	SISO	1	0.622	0.665	93.53	0.29
	5310	SISO	1	0.622	0.665	93.53	0.29
	5510	SISO	1	0.622	0.665	93.53	0.29
	5550	SISO	1	0.622	0.665	93.53	0.29
	5590	SISO	1	0.622	0.664	93.67	0.28
	5670	SISO	1	0.622	0.665	93.53	0.29
	5755	SISO	1	0.623	0.665	93.68	0.28
	5795	SISO	1	0.622	0.665	93.53	0.29
802.11ac(VHT80)	5210	SISO	1	0.324	0.368	88.04	0.55
	5290	SISO	1	0.324	0.369	87.80	0.57
	5530	SISO	1	0.324	0.368	88.04	0.55
	5610	SISO	1	0.324	0.368	88.04	0.55
	5775	SISO	1	0.324	0.368	88.04	0.55

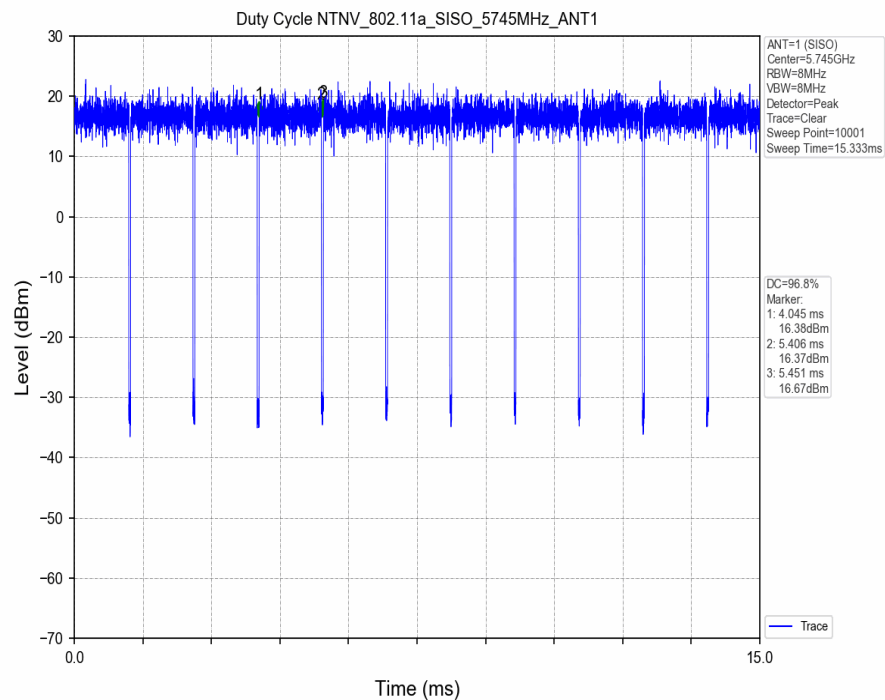
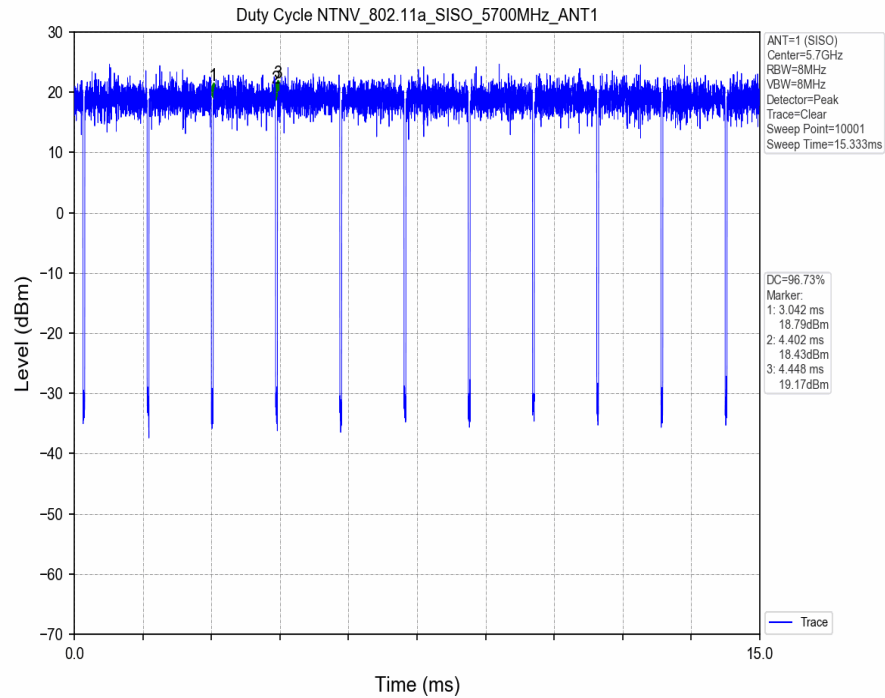
1.2 Test Graph

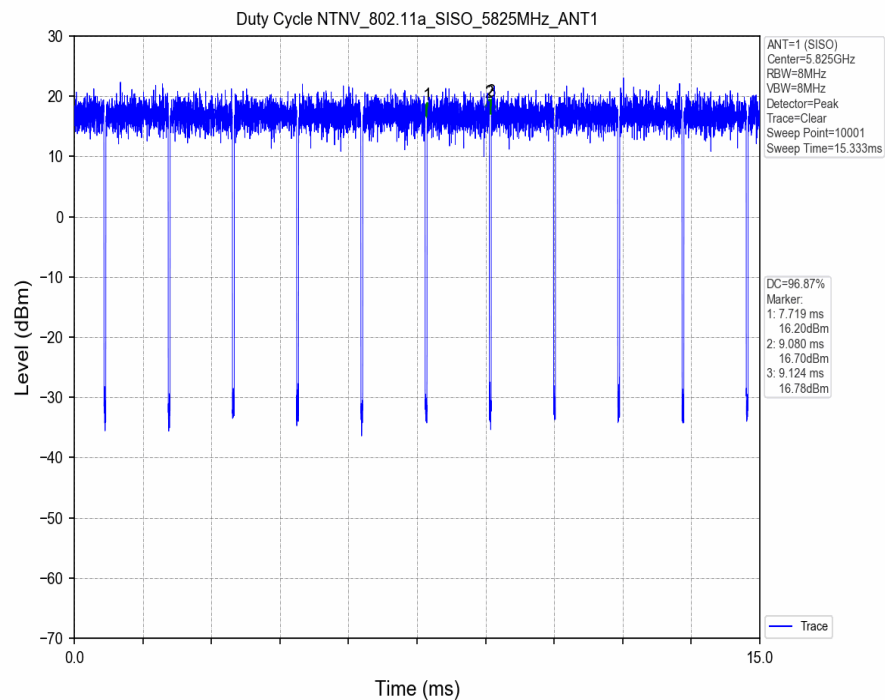
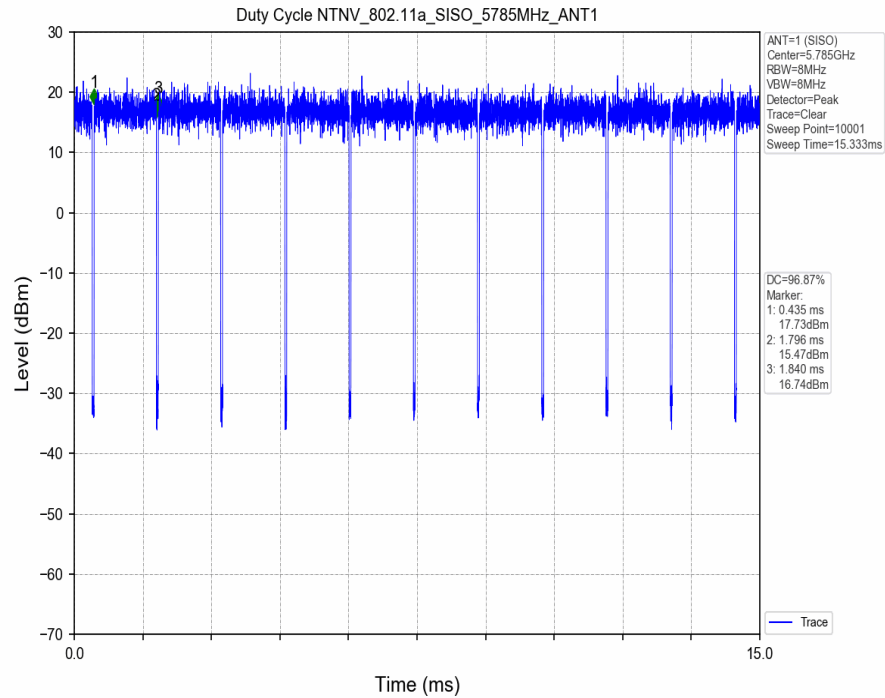


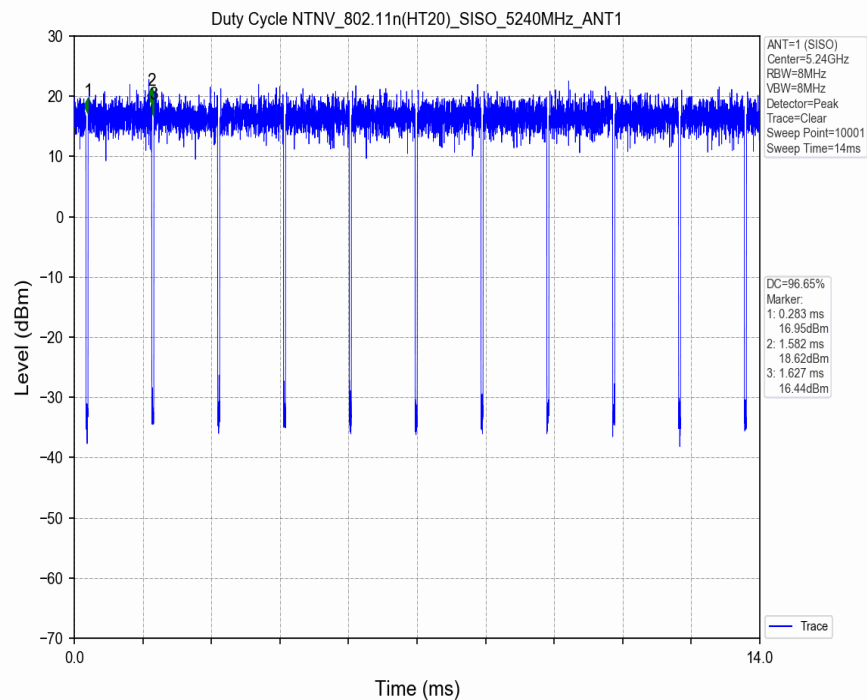
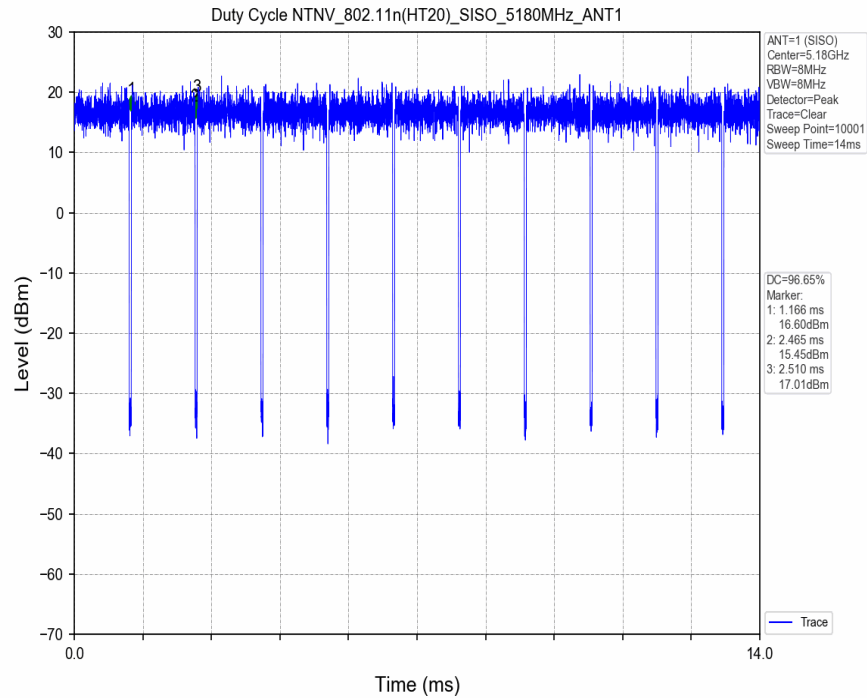


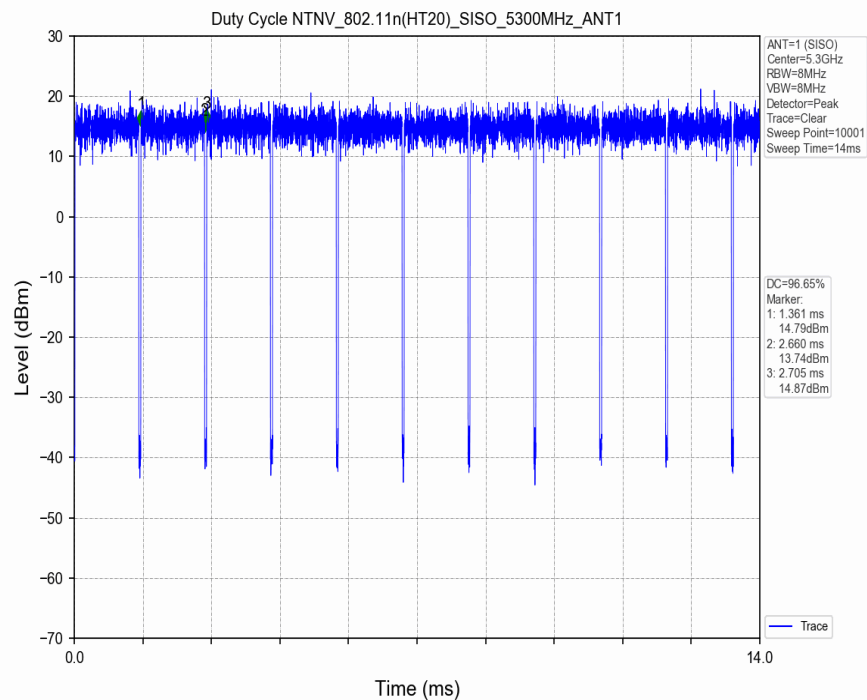
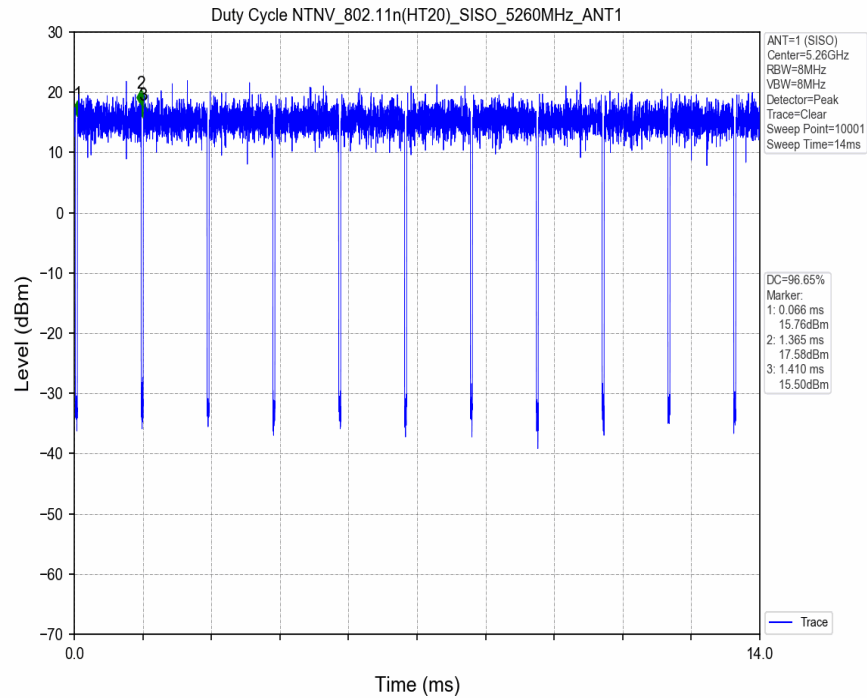


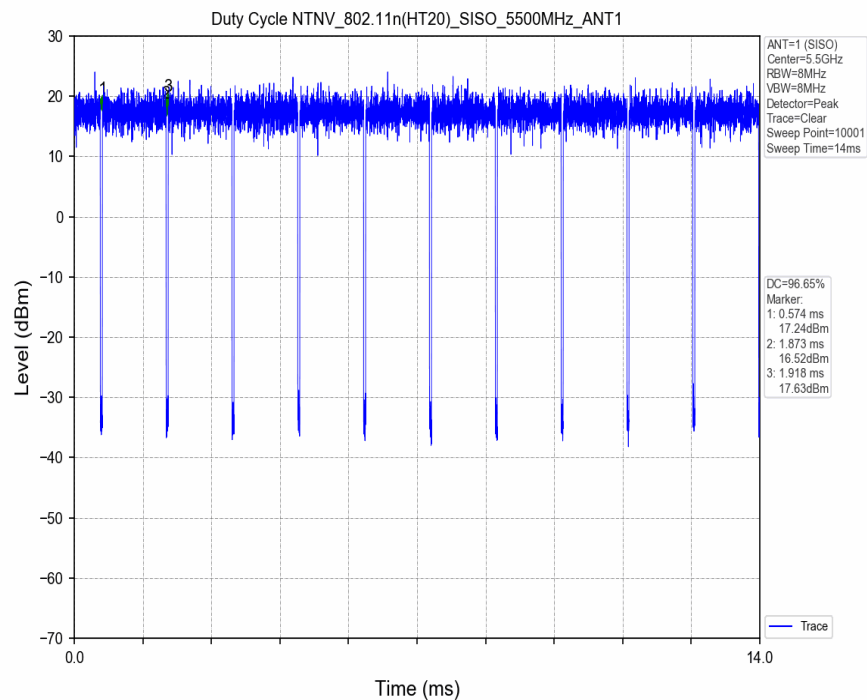
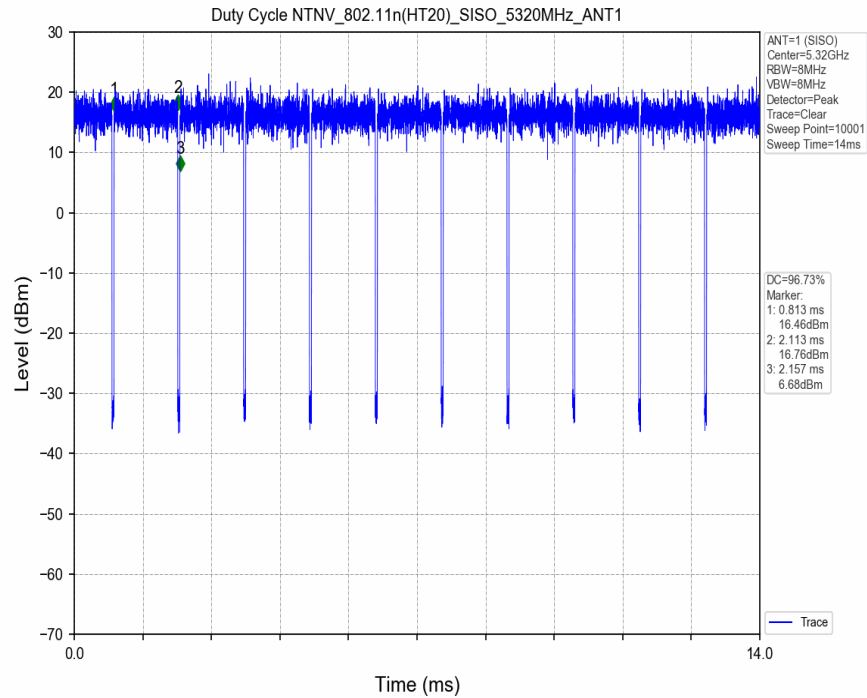


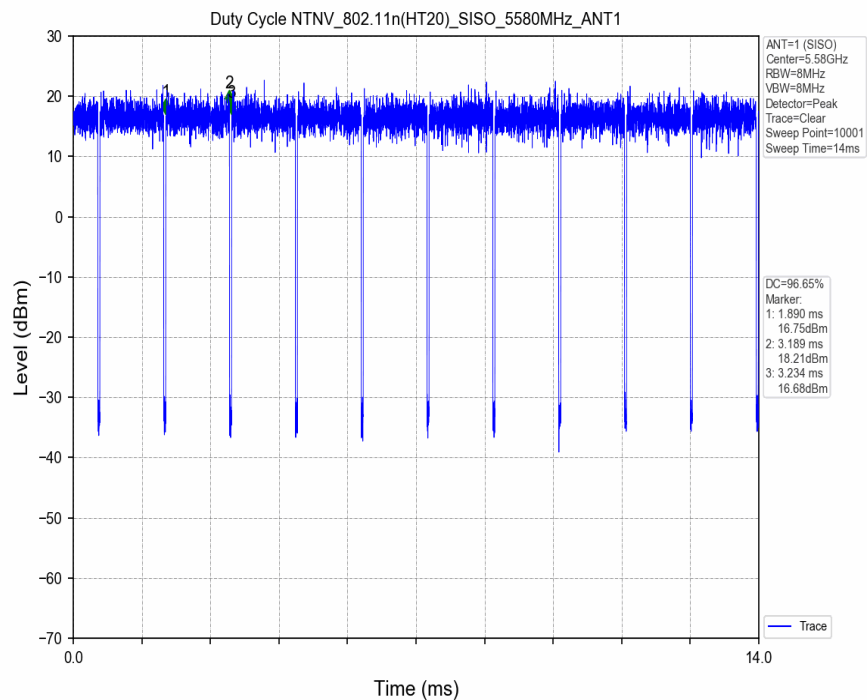
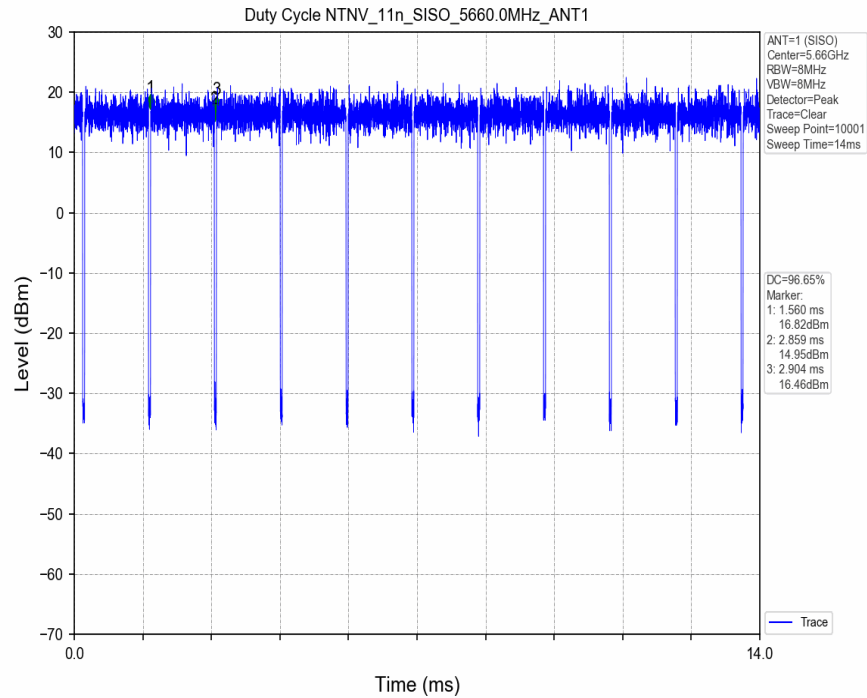


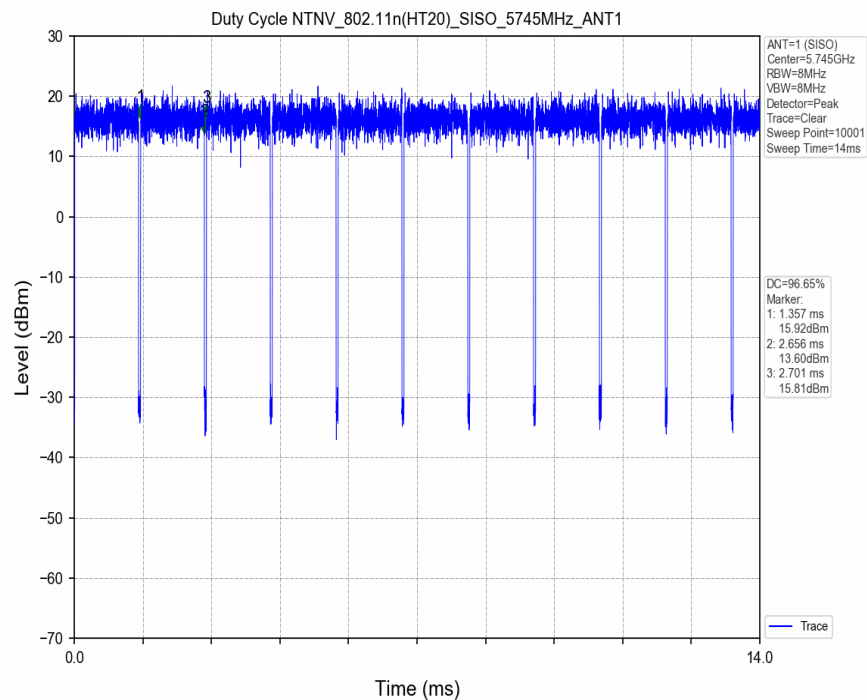
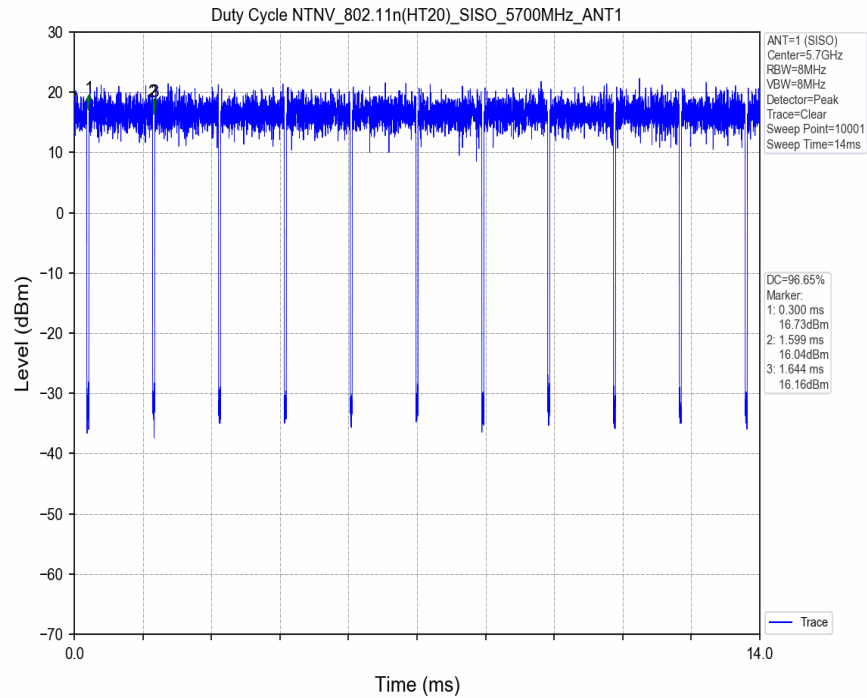


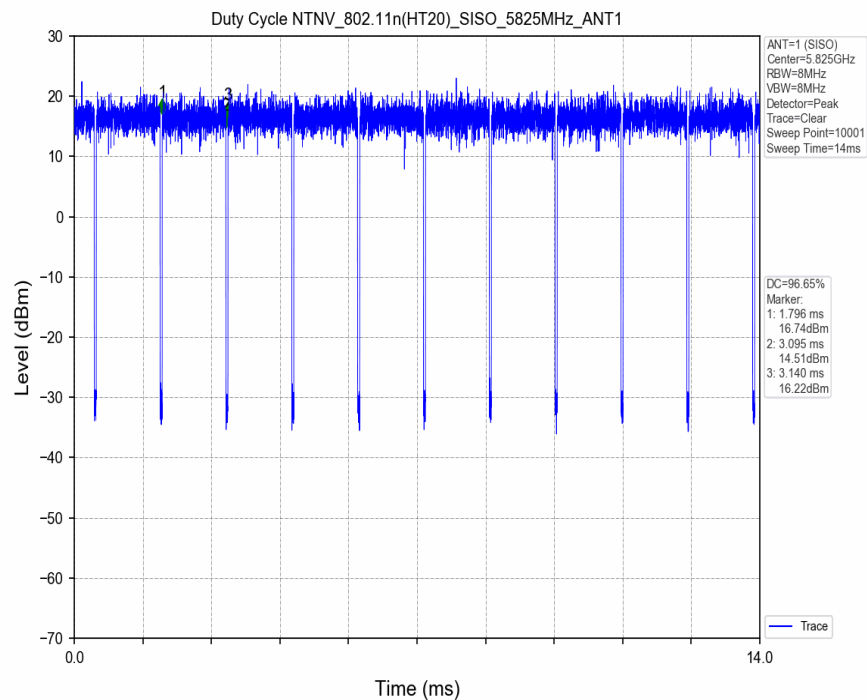
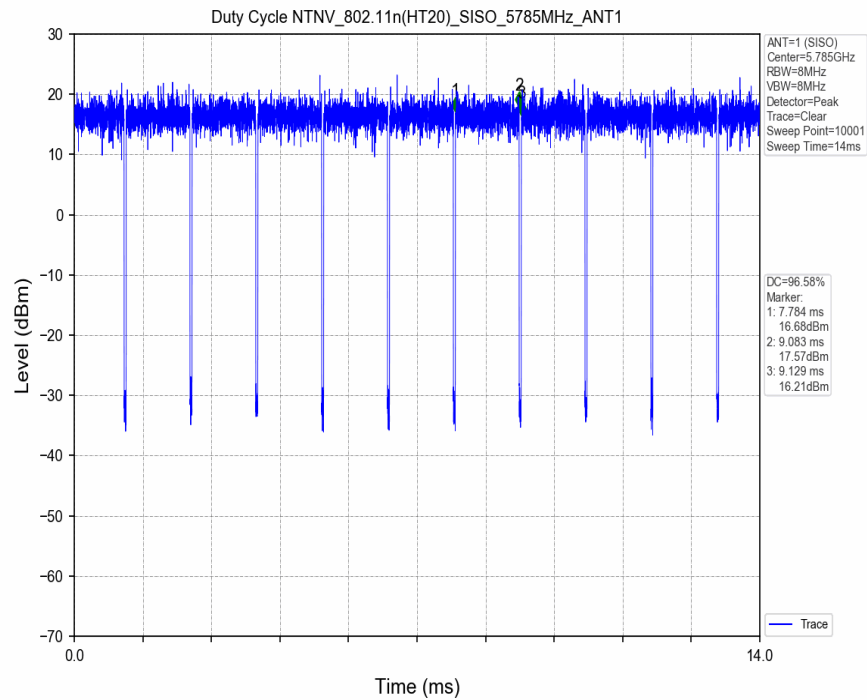


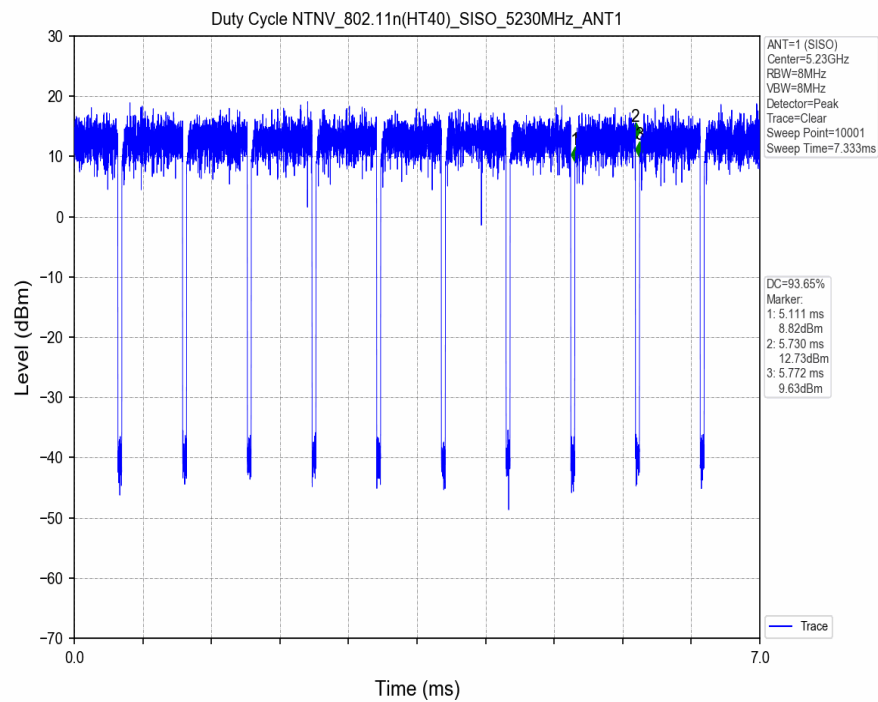
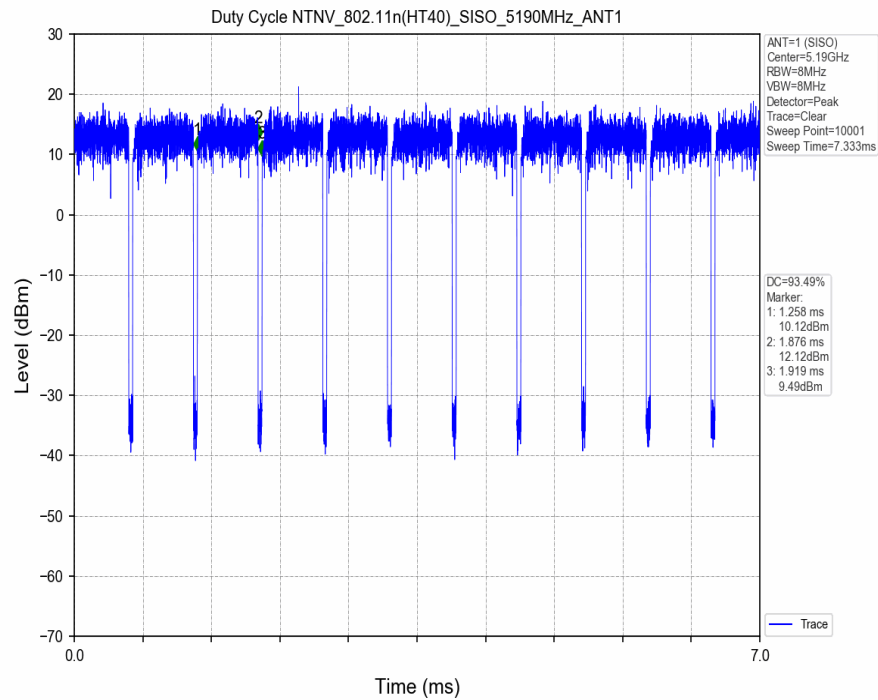


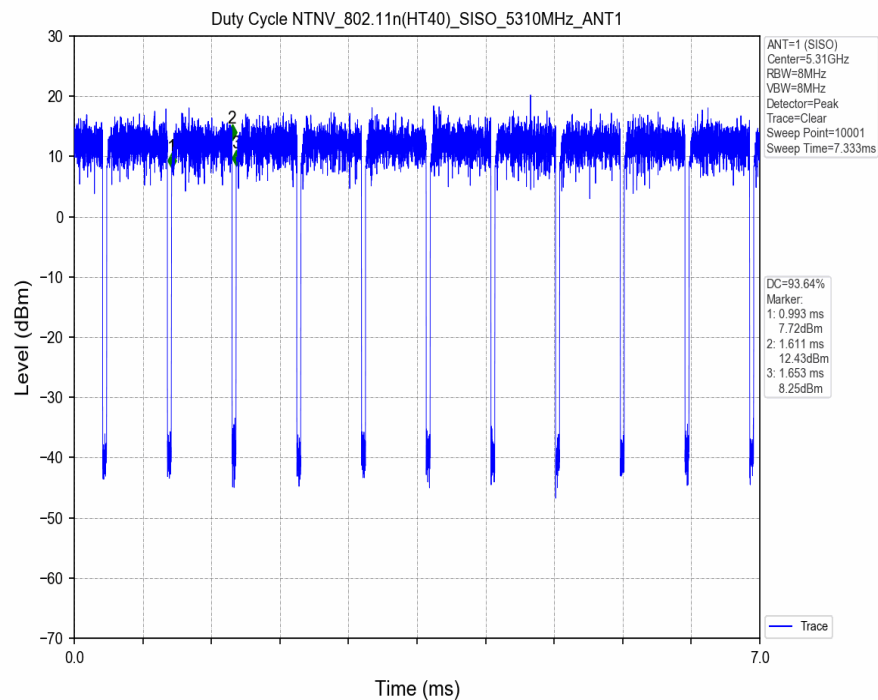
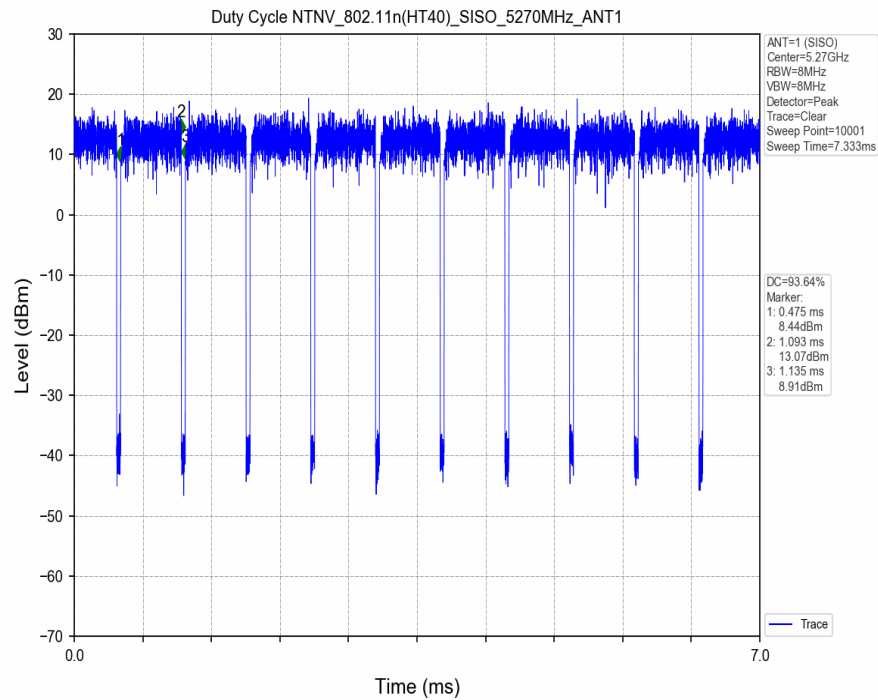


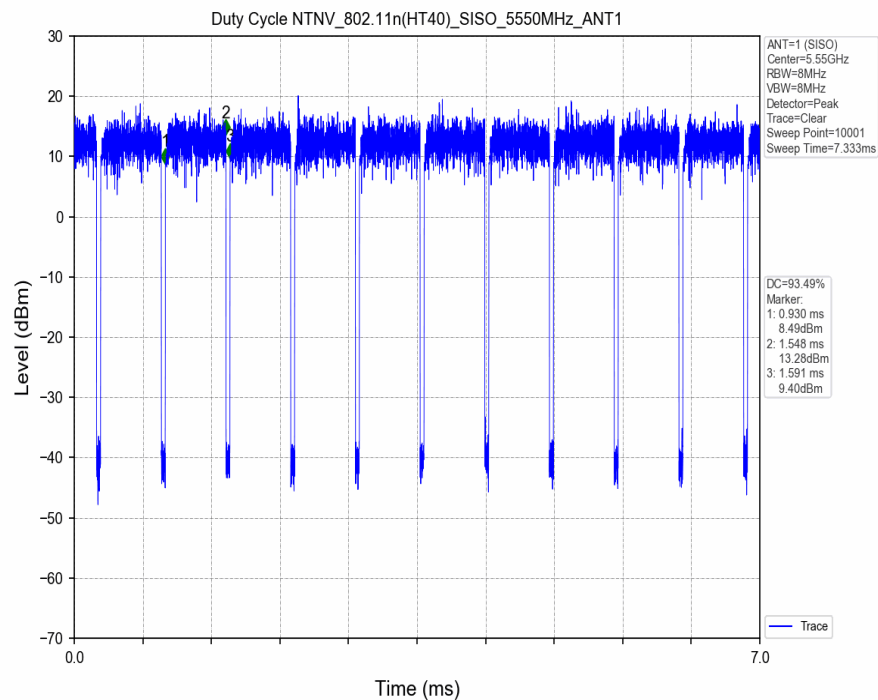
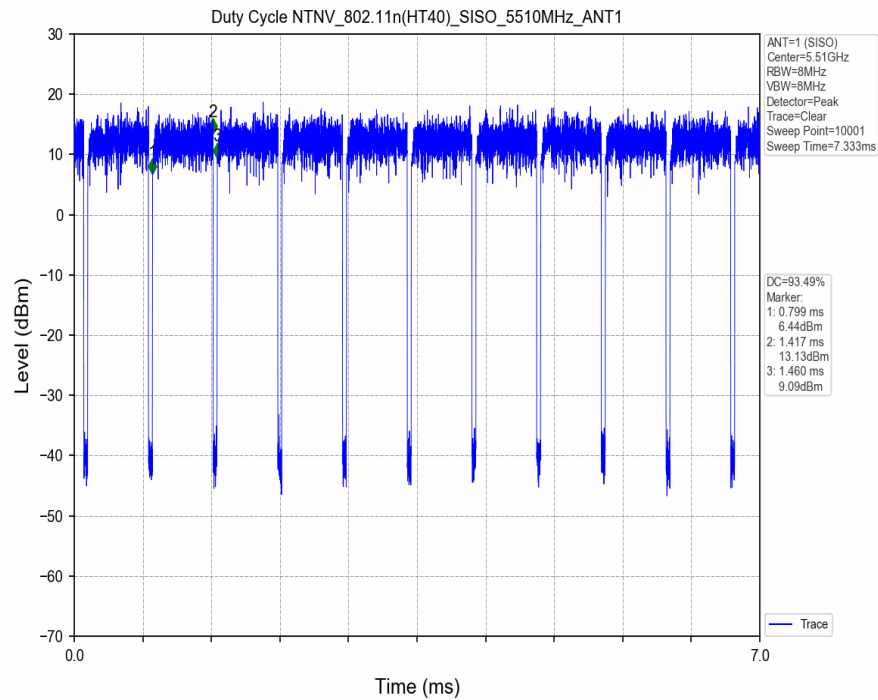


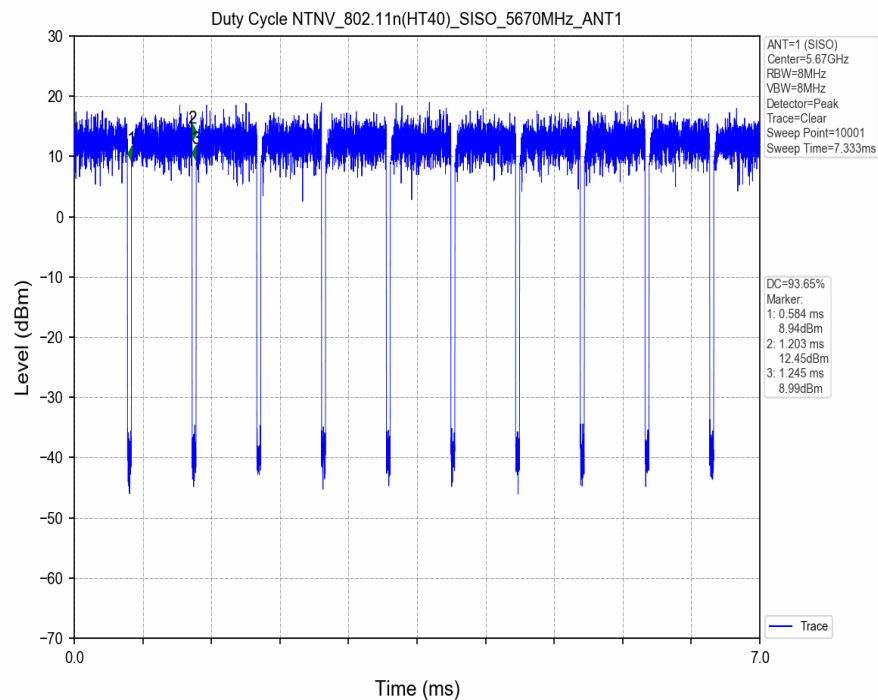
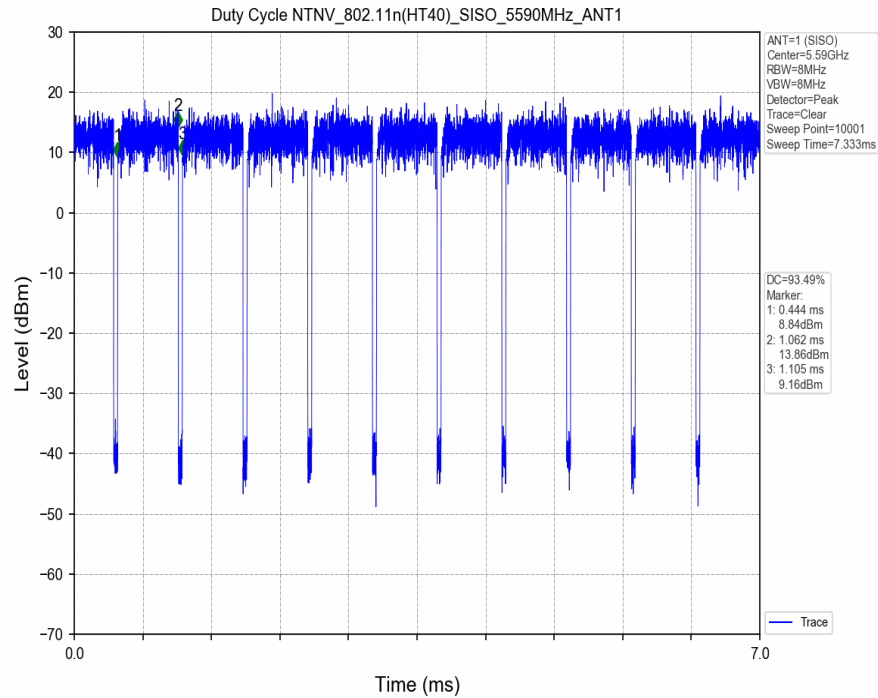


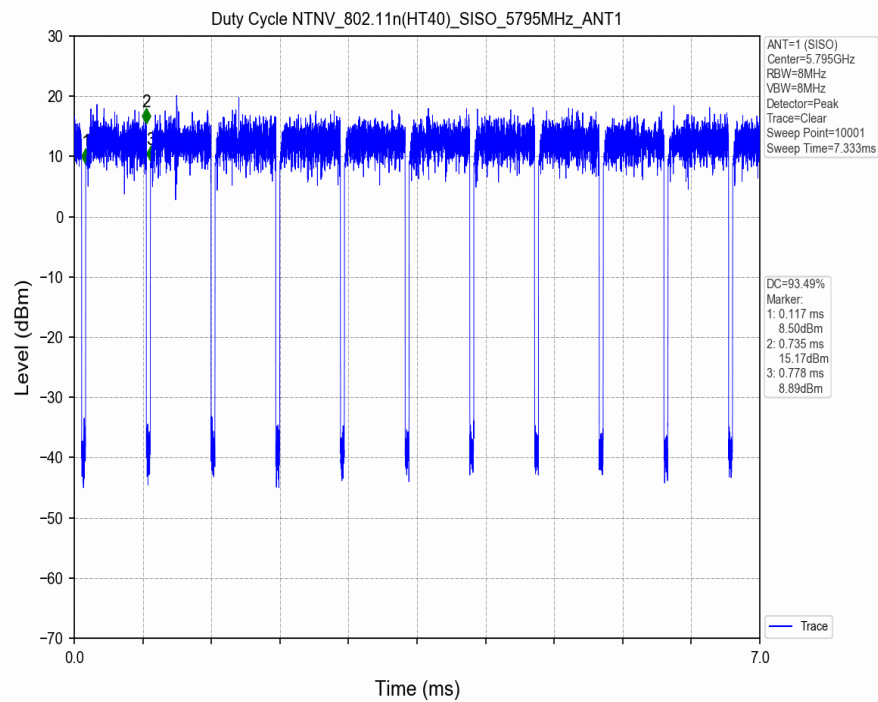
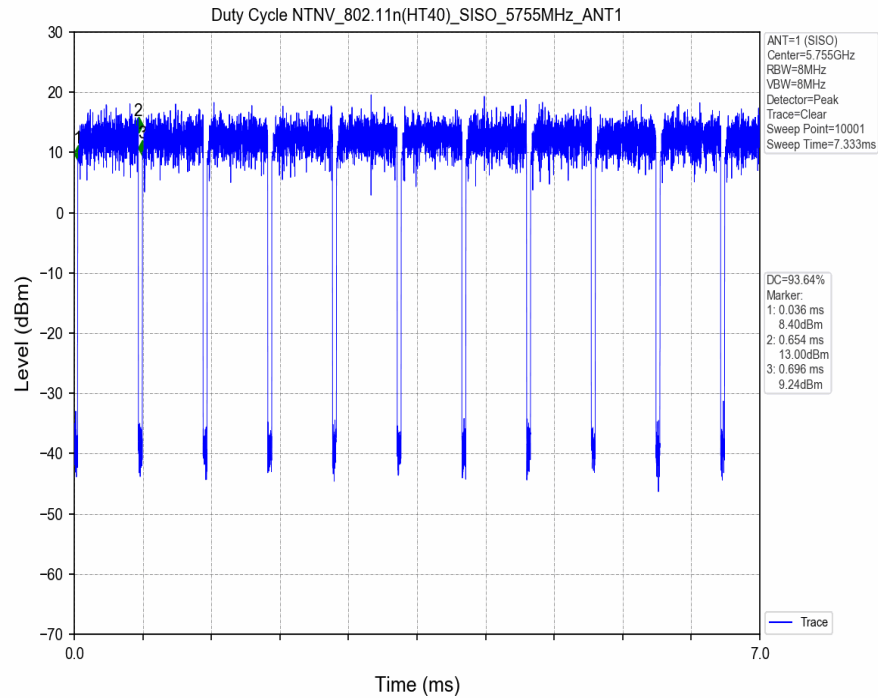


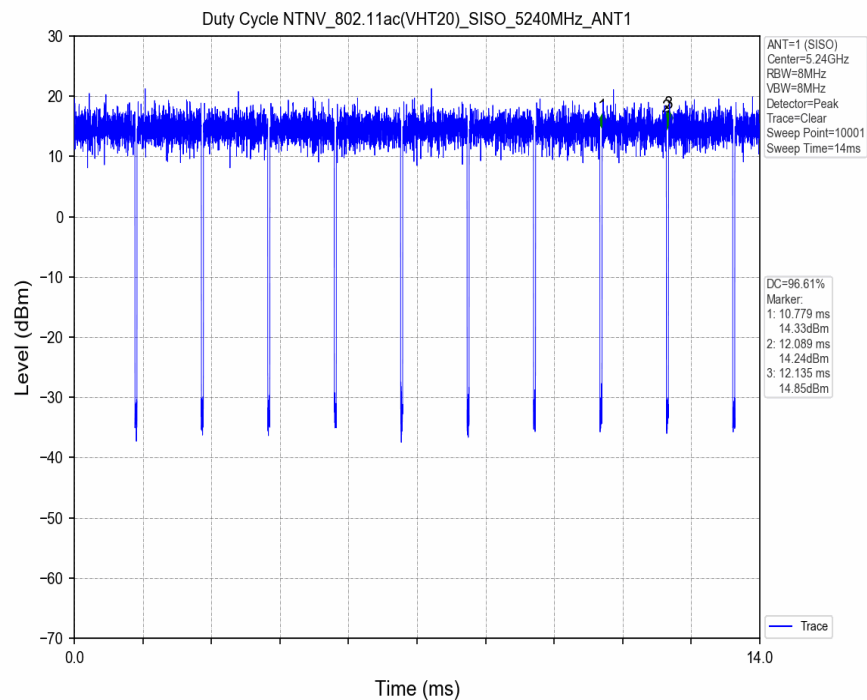
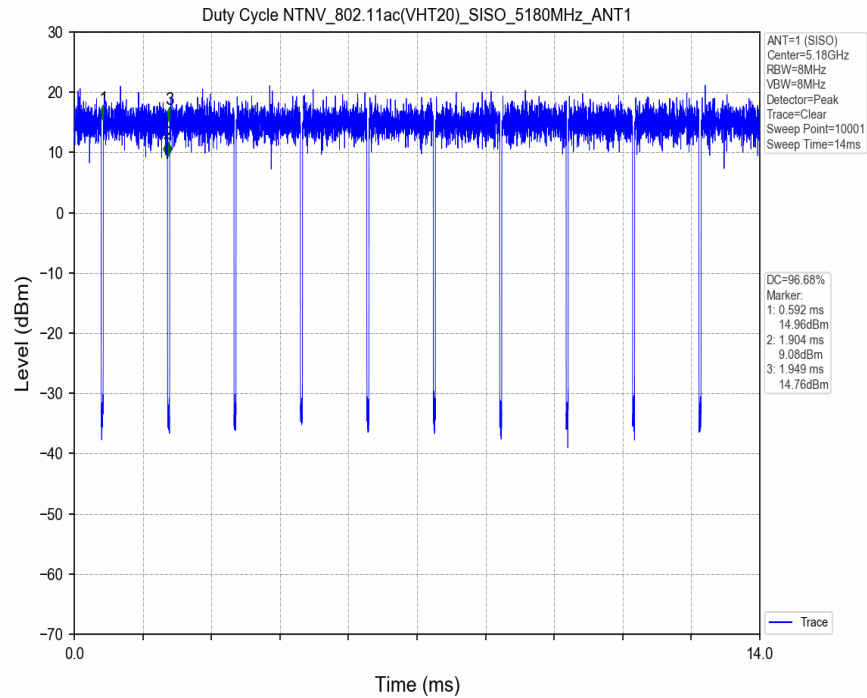


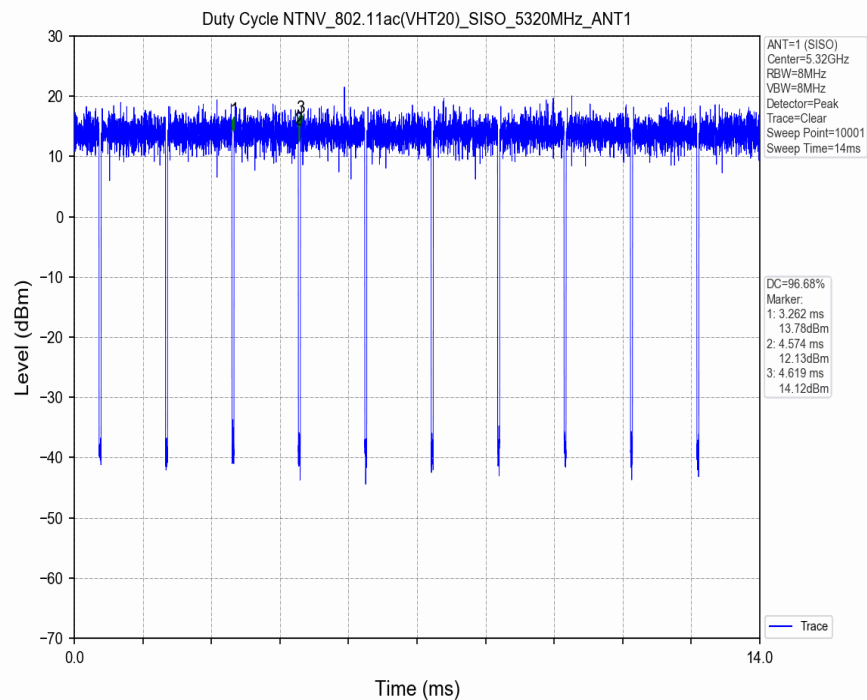
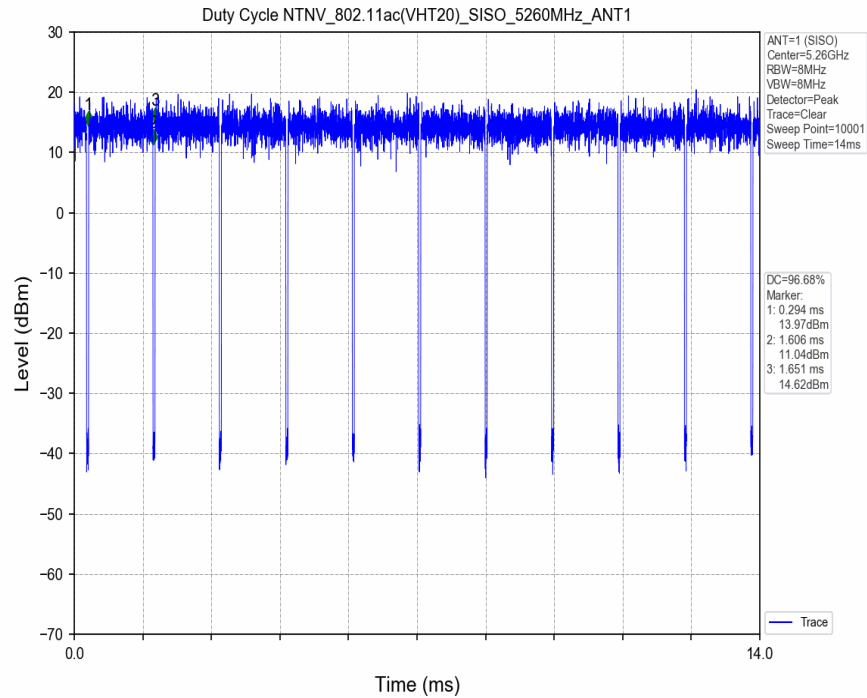


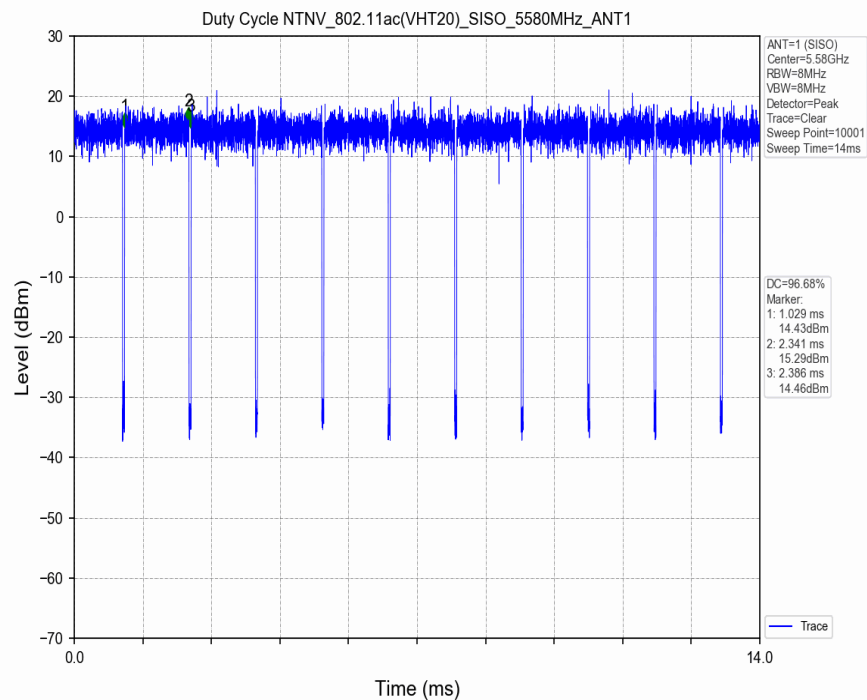
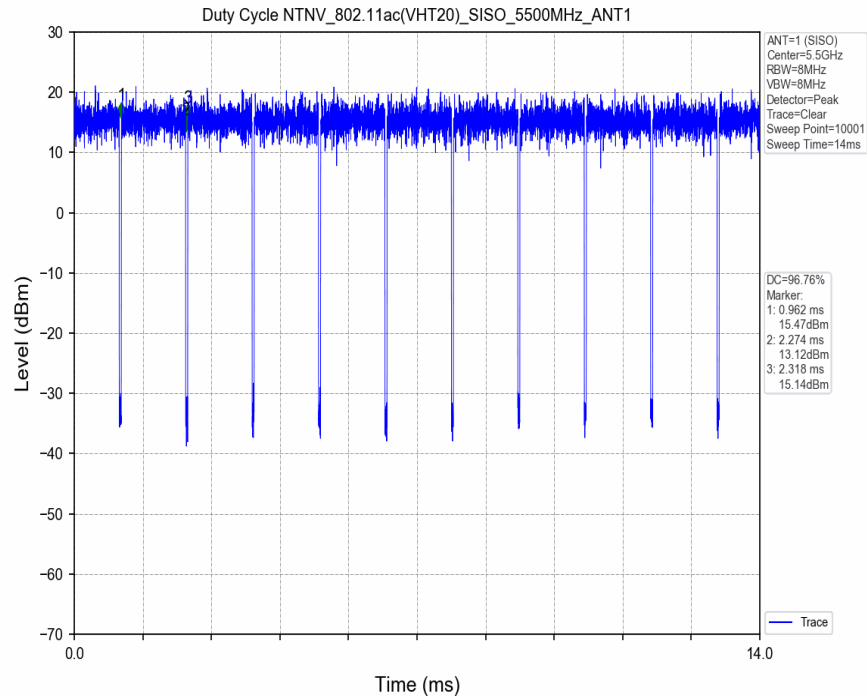


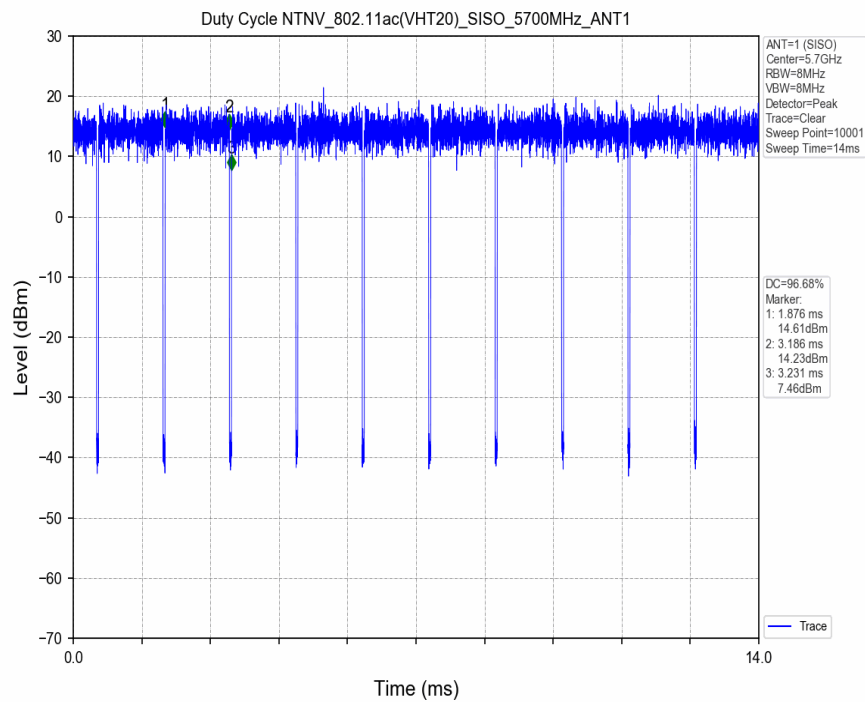
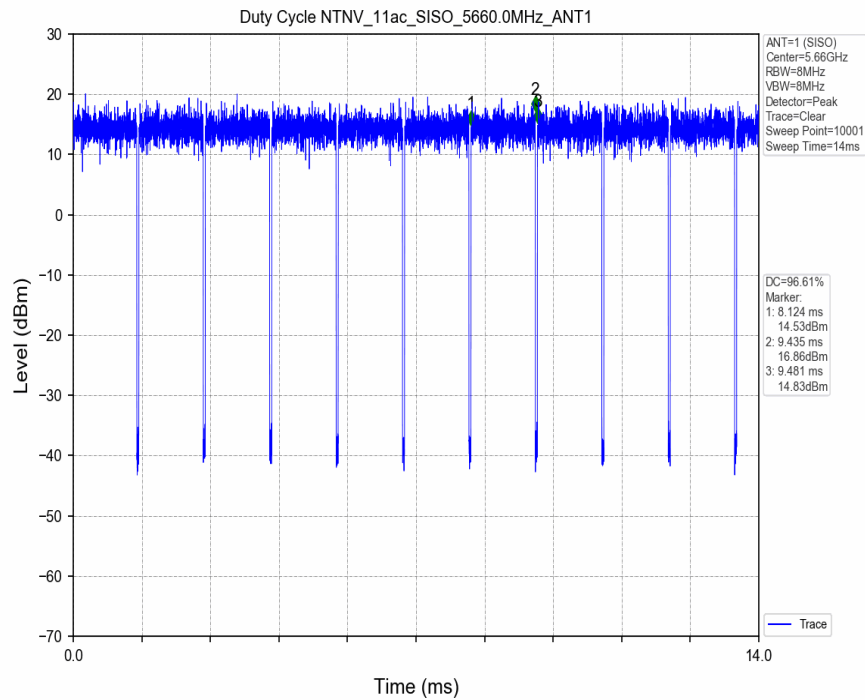


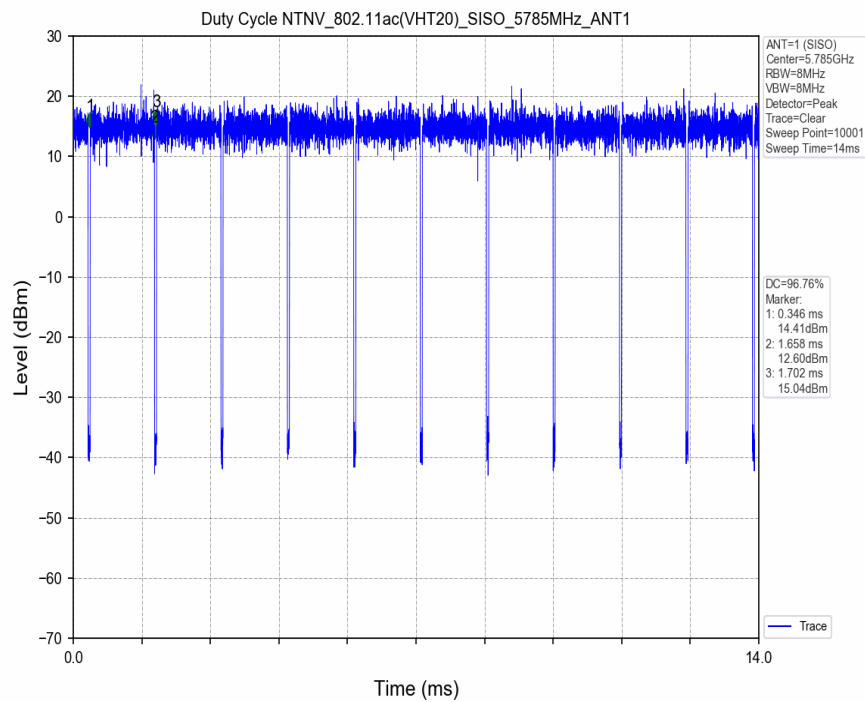
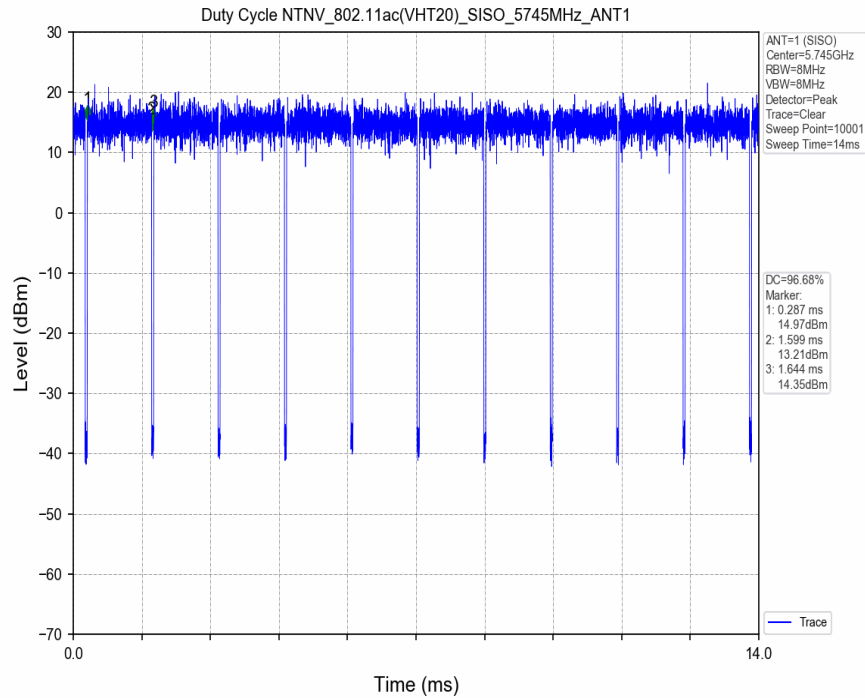


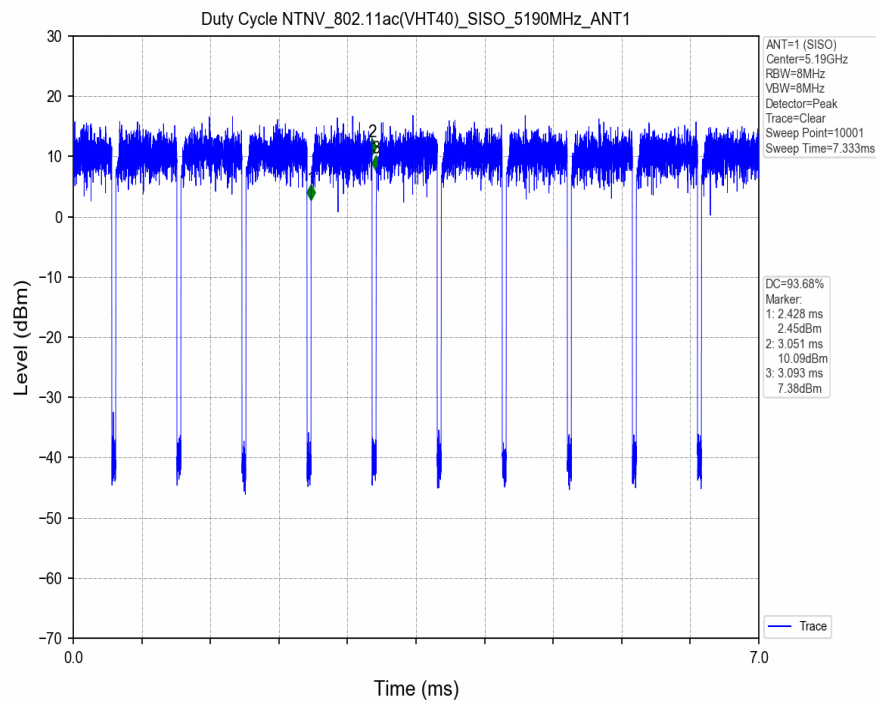
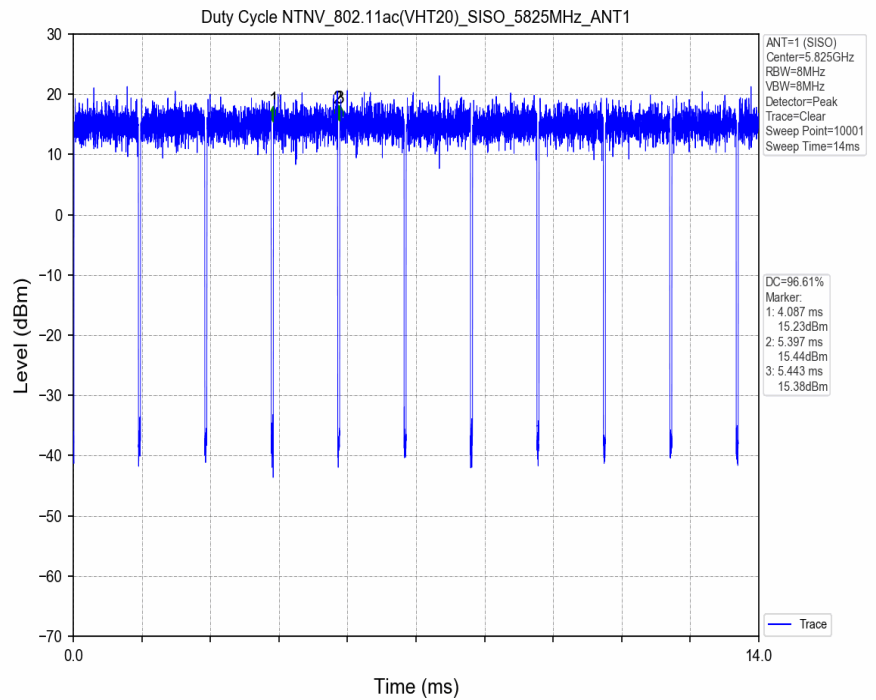


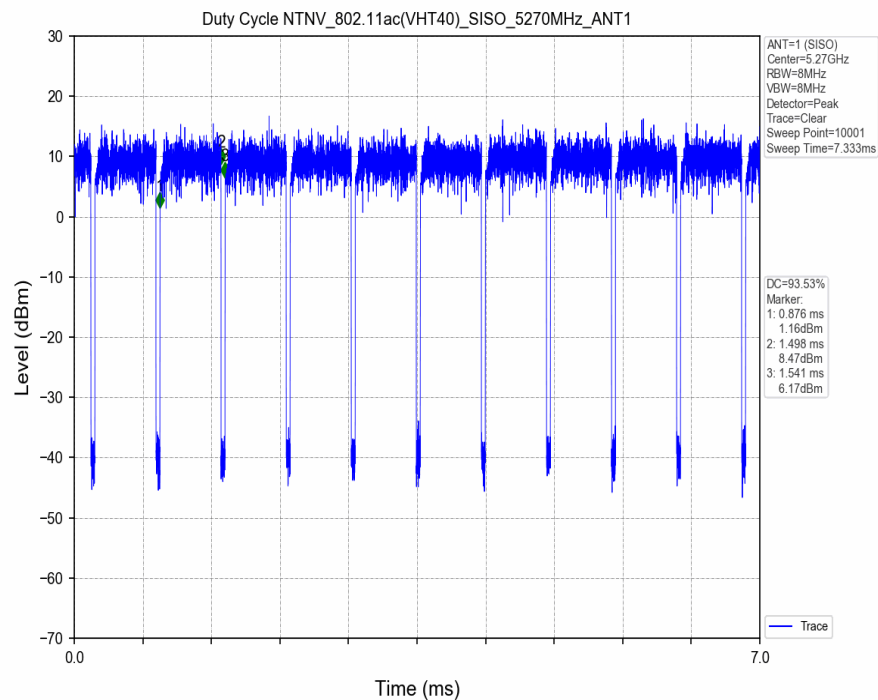
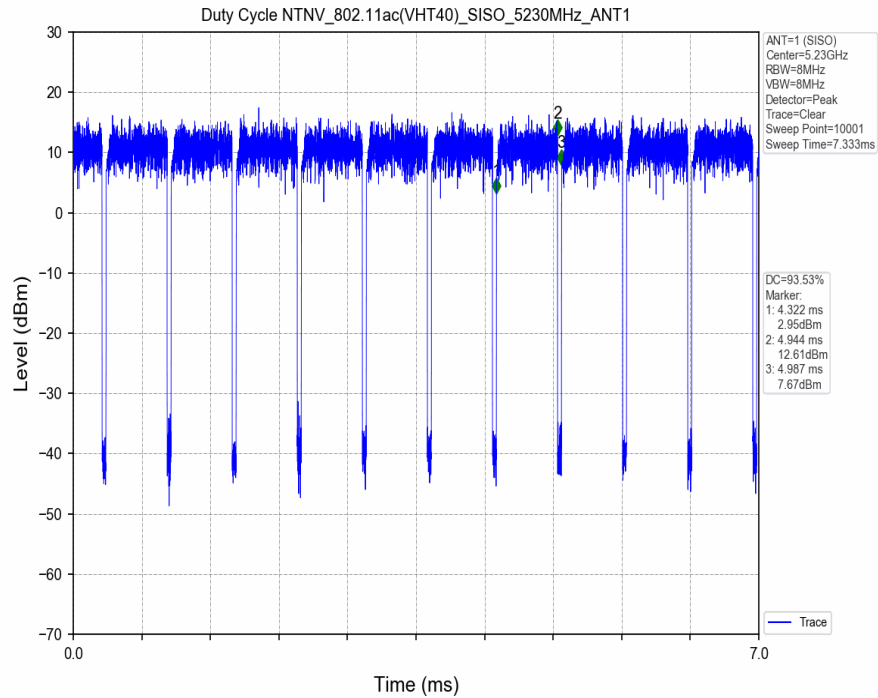


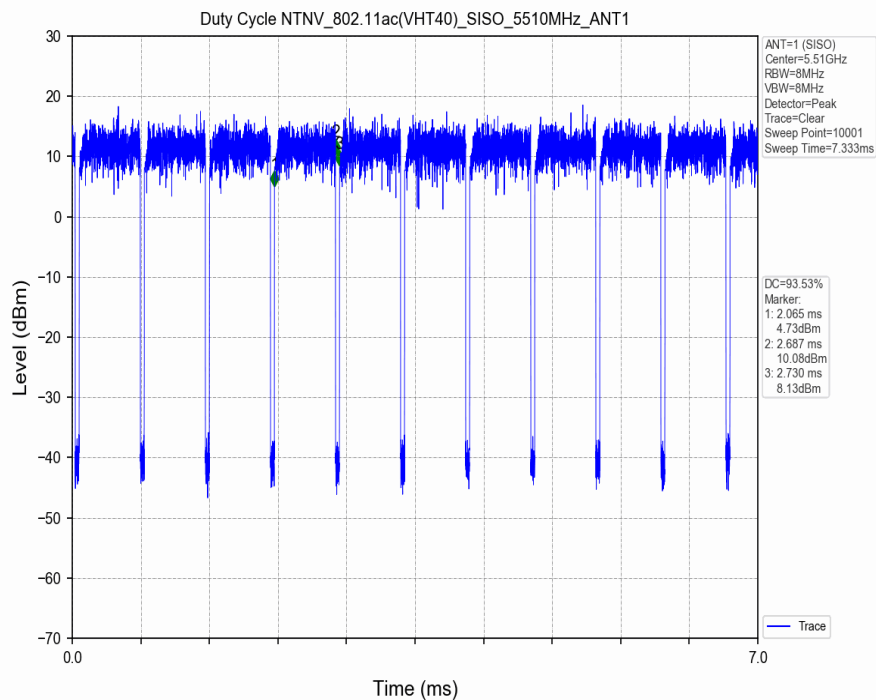
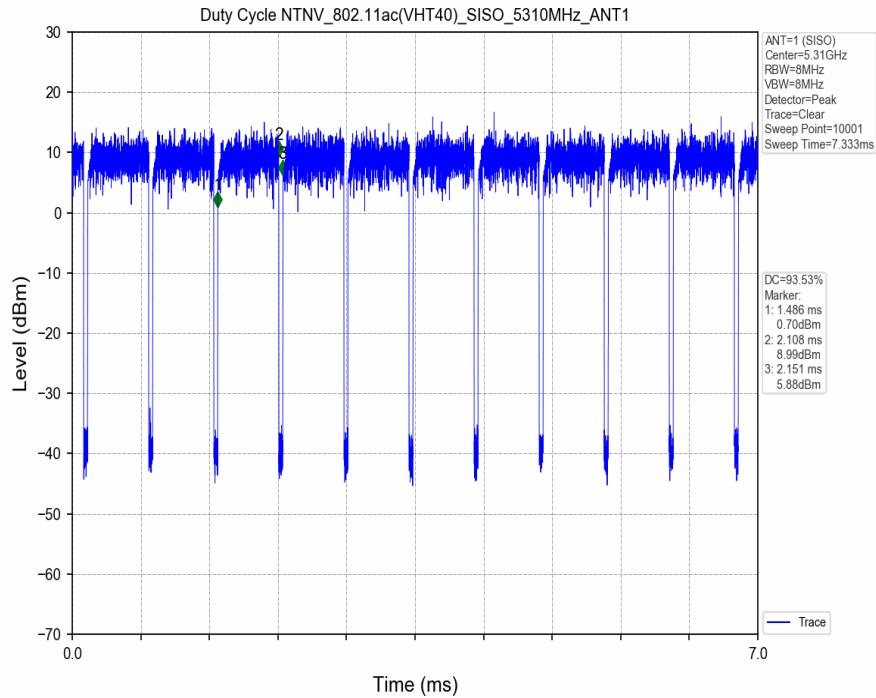


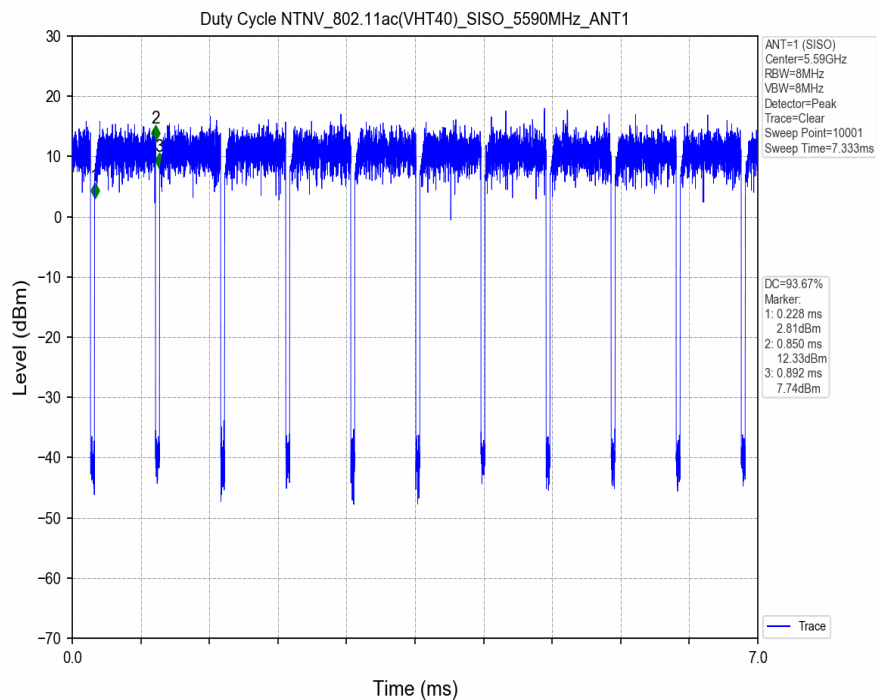
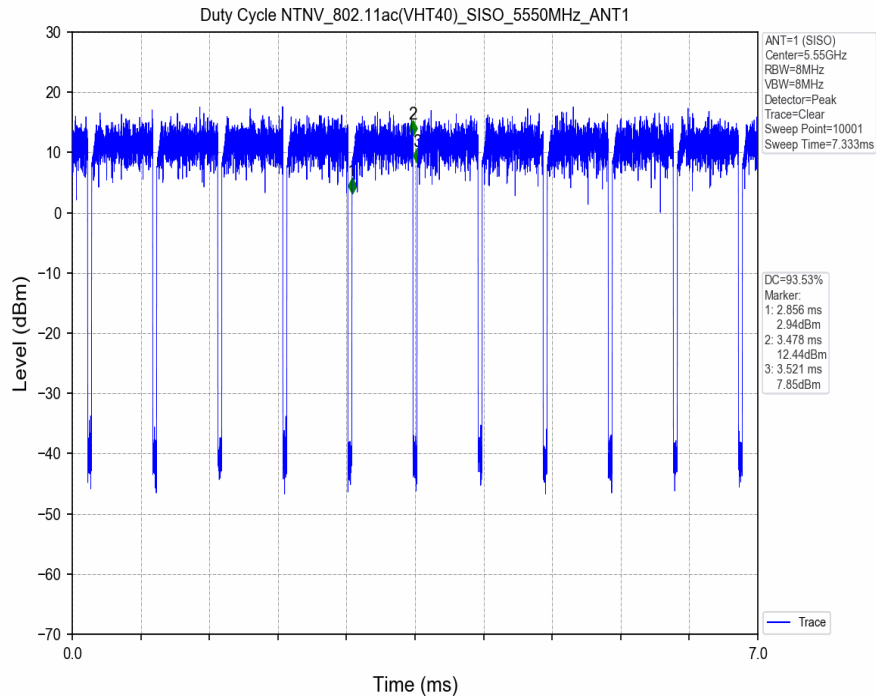


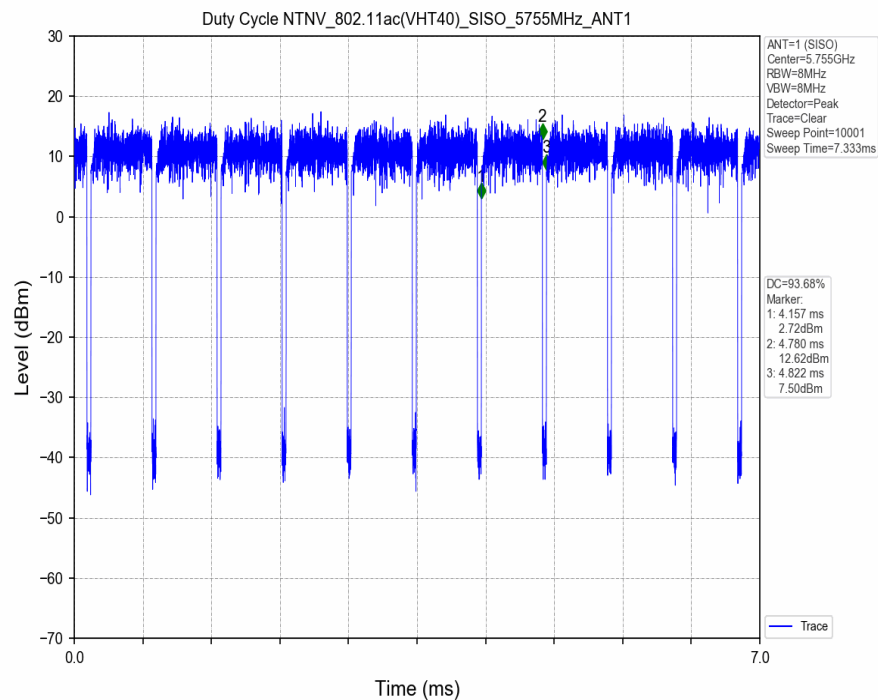
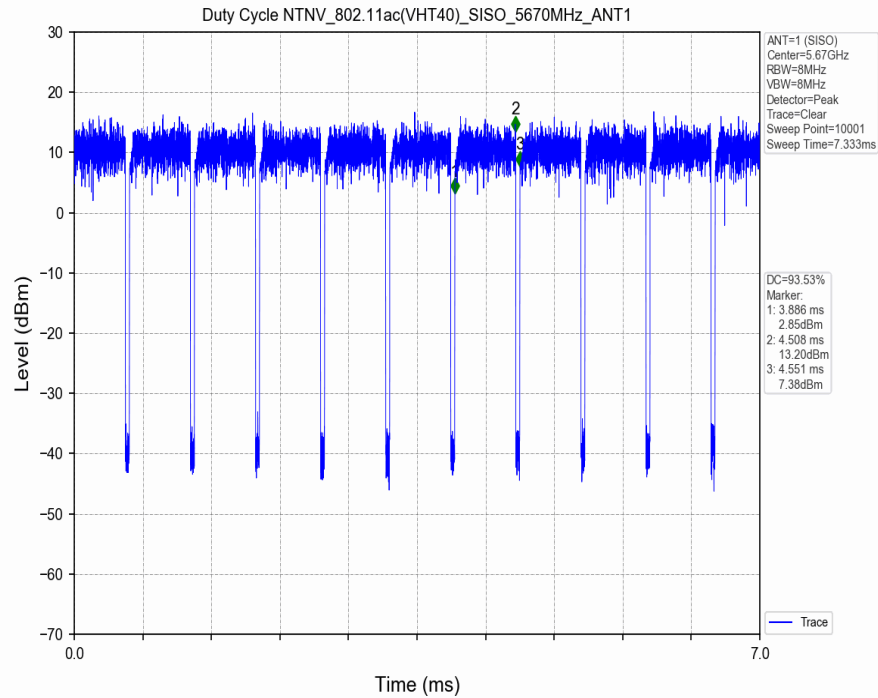


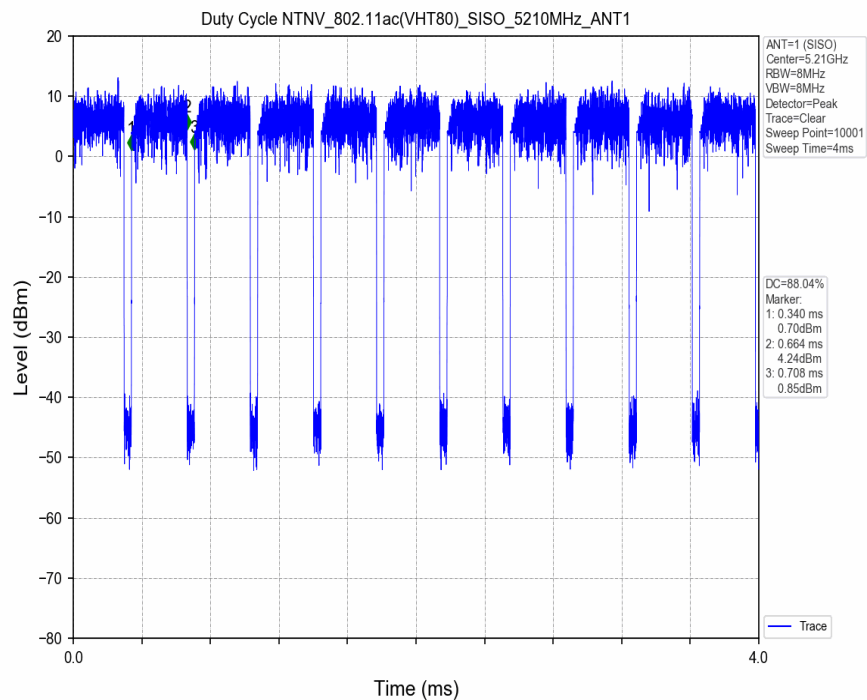
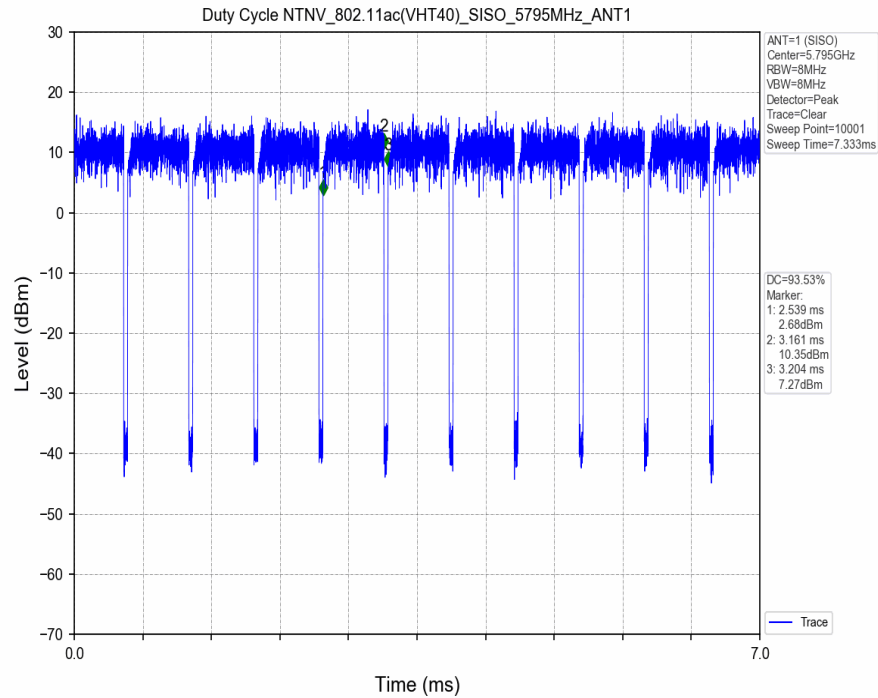


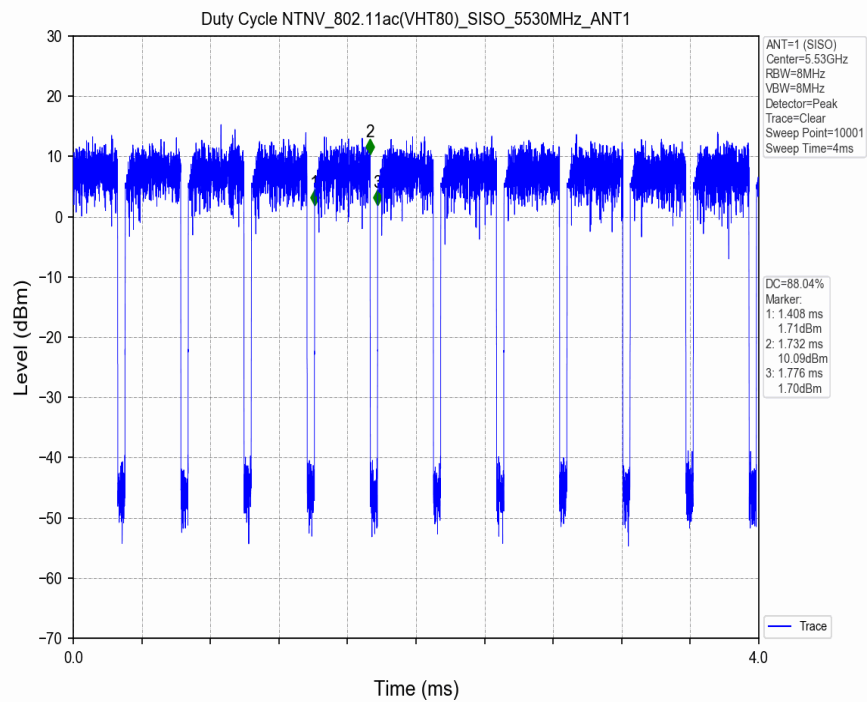
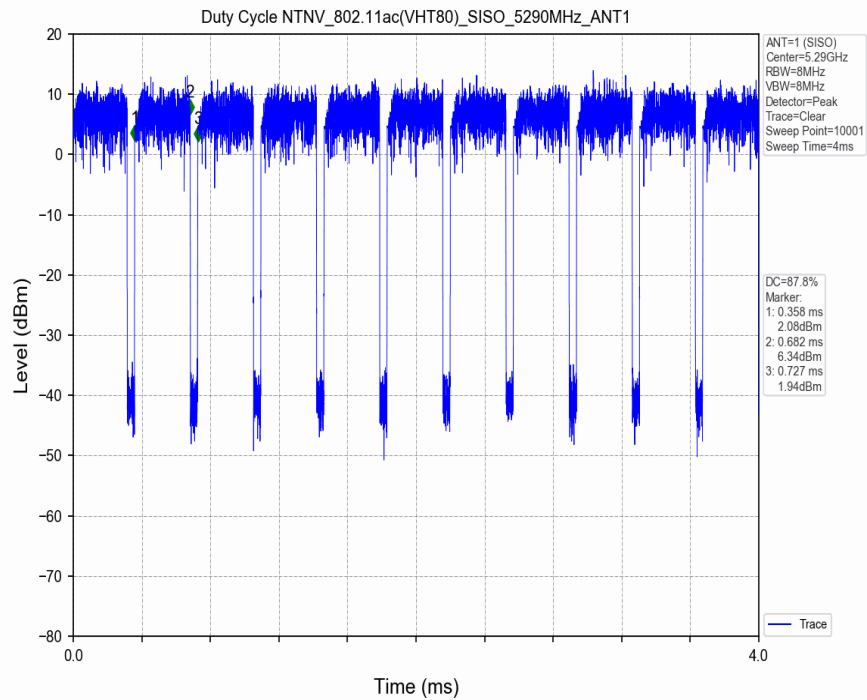


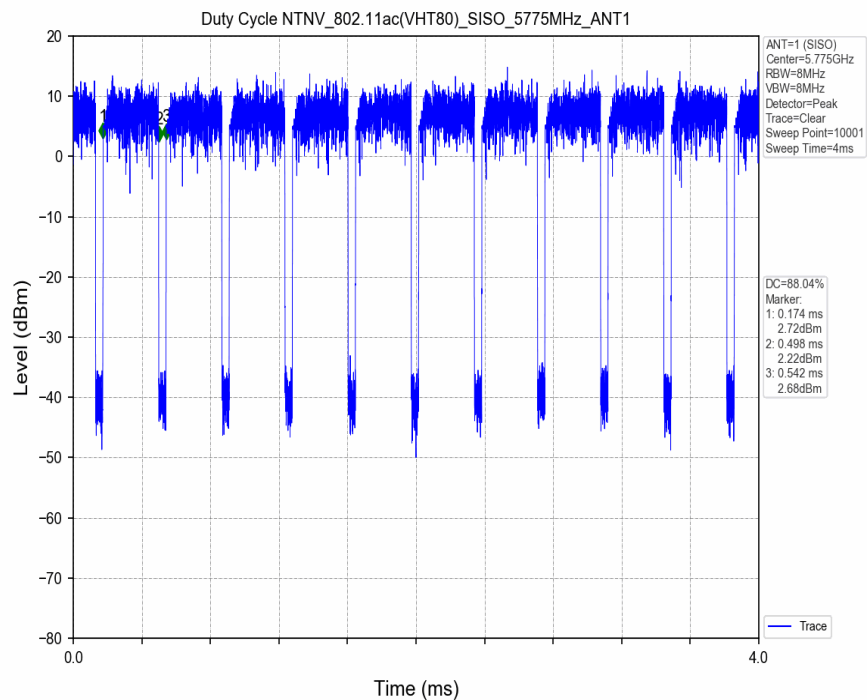
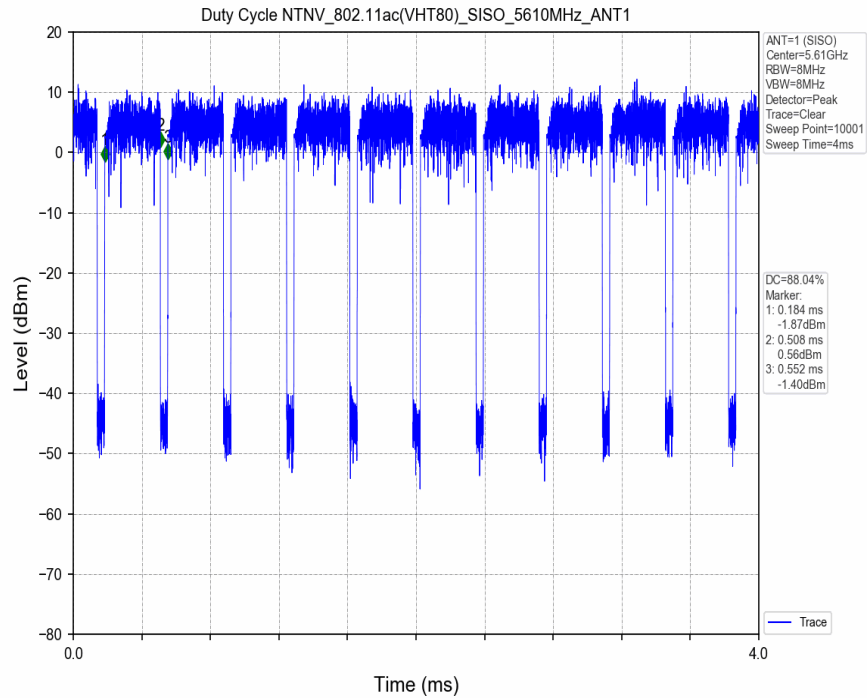












2. Bandwidth

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	20.324	Only for Report Use	PASS
	5240	SISO	1	19.936	Only for Report Use	PASS
	5260	SISO	1	19.567	Only for Report Use	PASS
	5320	SISO	1	19.731	Only for Report Use	PASS
	5500	SISO	1	19.740	Only for Report Use	PASS
	5580	SISO	1	19.797	Only for Report Use	PASS
	5660	SISO	1	19.819	Only for Report Use	PASS
	5700	SISO	1	19.732	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	19.943	Only for Report Use	PASS
	5240	SISO	1	20.016	Only for Report Use	PASS
	5260	SISO	1	19.973	Only for Report Use	PASS
	5300	SISO	1	20.205	Only for Report Use	PASS
	5320	SISO	1	20.136	Only for Report Use	PASS
	5500	SISO	1	20.181	Only for Report Use	PASS
	5580	SISO	1	20.091	Only for Report Use	PASS
	5660	SISO	1	20.057	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	40.155	Only for Report Use	PASS
	5230	SISO	1	40.264	Only for Report Use	PASS
	5270	SISO	1	40.570	Only for Report Use	PASS
	5310	SISO	1	40.313	Only for Report Use	PASS
	5510	SISO	1	40.417	Only for Report Use	PASS
	5550	SISO	1	40.359	Only for Report Use	PASS
	5590	SISO	1	40.378	Only for Report Use	PASS
	5670	SISO	1	40.435	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	20.089	Only for Report Use	PASS
	5240	SISO	1	20.064	Only for Report Use	PASS
	5260	SISO	1	20.062	Only for Report Use	PASS
	5320	SISO	1	19.768	Only for Report Use	PASS
	5500	SISO	1	19.949	Only for Report Use	PASS
	5580	SISO	1	19.900	Only for Report Use	PASS
	5660	SISO	1	19.961	Only for Report Use	PASS
	5700	SISO	1	20.183	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	40.249	Only for Report Use	PASS
	5230	SISO	1	40.393	Only for Report Use	PASS
	5270	SISO	1	40.054	Only for Report Use	PASS
	5310	SISO	1	40.171	Only for Report Use	PASS
	5510	SISO	1	39.727	Only for Report Use	PASS
	5550	SISO	1	39.859	Only for Report Use	PASS
	5590	SISO	1	39.693	Only for Report Use	PASS
	5670	SISO	1	40.007	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	80.676	Only for Report Use	PASS
	5290	SISO	1	80.021	Only for Report Use	PASS
	5530	SISO	1	80.328	Only for Report Use	PASS
	5610	SISO	1	79.967	Only for Report Use	PASS

Test Mode	Frequency	TX Type	ANT No.	Emission Bandwidth		Verdict
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300 中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300				t(86-512)57355888	f(86-512)57370818	www.sgsgroup.com.cn sgs.china@sgs.com

	(MHz)			Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	14.749	≥0.5	PASS
	5785	SISO	1	14.457	≥0.5	PASS
	5825	SISO	1	15.728	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	14.146	≥0.5	PASS
	5785	SISO	1	15.182	≥0.5	PASS
	5825	SISO	1	16.006	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.156	≥0.5	PASS
	5795	SISO	1	35.129	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	14.135	≥0.5	PASS
	5785	SISO	1	13.867	≥0.5	PASS
	5825	SISO	1	16.849	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.170	≥0.5	PASS
	5795	SISO	1	32.687	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.223	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.633	Only for Report Use
	5240	SISO	1	16.772	Only for Report Use
	5260	SISO	1	16.687	Only for Report Use
	5320	SISO	1	16.626	Only for Report Use
	5500	SISO	1	16.653	Only for Report Use
	5580	SISO	1	16.645	Only for Report Use
	5660	SISO	1	17.330	Only for Report Use
	5700	SISO	1	16.609	Only for Report Use
	5745	SISO	1	16.592	Only for Report Use
	5785	SISO	1	16.530	Only for Report Use
	5825	SISO	1	16.543	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.654	Only for Report Use
	5240	SISO	1	17.661	Only for Report Use
	5260	SISO	1	17.666	Only for Report Use
	5300	SISO	1	17.694	Only for Report Use
	5320	SISO	1	17.699	Only for Report Use
	5500	SISO	1	17.728	Only for Report Use
	5580	SISO	1	17.675	Only for Report Use
	5660	SISO	1	18.060	Only for Report Use
	5700	SISO	1	17.712	Only for Report Use
	5745	SISO	1	17.709	Only for Report Use
	5785	SISO	1	17.661	Only for Report Use
802.11n(HT40)	5825	SISO	1	17.664	Only for Report Use
	5190	SISO	1	36.319	Only for Report Use
	5230	SISO	1	36.306	Only for Report Use
	5270	SISO	1	36.333	Only for Report Use
	5310	SISO	1	36.242	Only for Report Use
	5510	SISO	1	36.372	Only for Report Use
	5550	SISO	1	36.311	Only for Report Use
	5590	SISO	1	36.173	Only for Report Use
	5670	SISO	1	36.365	Only for Report Use
	5755	SISO	1	36.270	Only for Report Use
	5795	SISO	1	36.396	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.657	Only for Report Use
	5240	SISO	1	17.635	Only for Report Use

	5260	SISO	1	17.653	Only for Report Use
	5320	SISO	1	17.614	Only for Report Use
	5500	SISO	1	17.654	Only for Report Use
	5580	SISO	1	17.651	Only for Report Use
	5660	SISO	1	17.957	Only for Report Use
	5700	SISO	1	17.684	Only for Report Use
	5745	SISO	1	17.680	Only for Report Use
	5785	SISO	1	17.612	Only for Report Use
802.11ac(VHT40)	5825	SISO	1	17.665	Only for Report Use
	5190	SISO	1	36.135	Only for Report Use
	5230	SISO	1	36.042	Only for Report Use
	5270	SISO	1	36.161	Only for Report Use
	5310	SISO	1	36.085	Only for Report Use
	5510	SISO	1	36.182	Only for Report Use
	5550	SISO	1	36.130	Only for Report Use
	5590	SISO	1	36.137	Only for Report Use
	5670	SISO	1	36.045	Only for Report Use
802.11ac(VHT80)	5755	SISO	1	36.162	Only for Report Use
	5795	SISO	1	36.069	Only for Report Use
	5210	SISO	1	75.277	Only for Report Use
	5290	SISO	1	75.236	Only for Report Use
	5530	SISO	1	75.126	Only for Report Use
	5610	SISO	1	75.151	Only for Report Use
	5775	SISO	1	75.197	Only for Report Use

2.2 Test Graph - Emission Bandwidth

