

Appendix D for KSEM210300035304

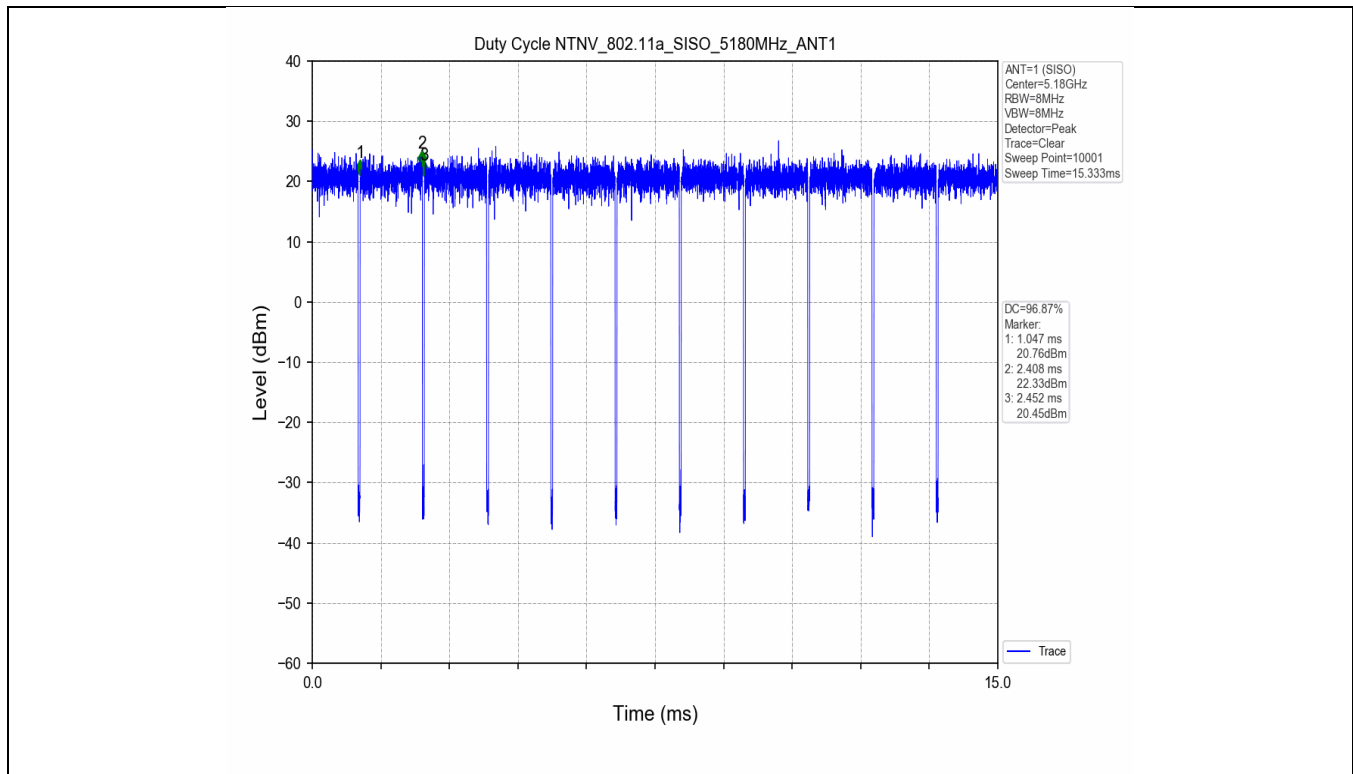
1. Duty Cycle

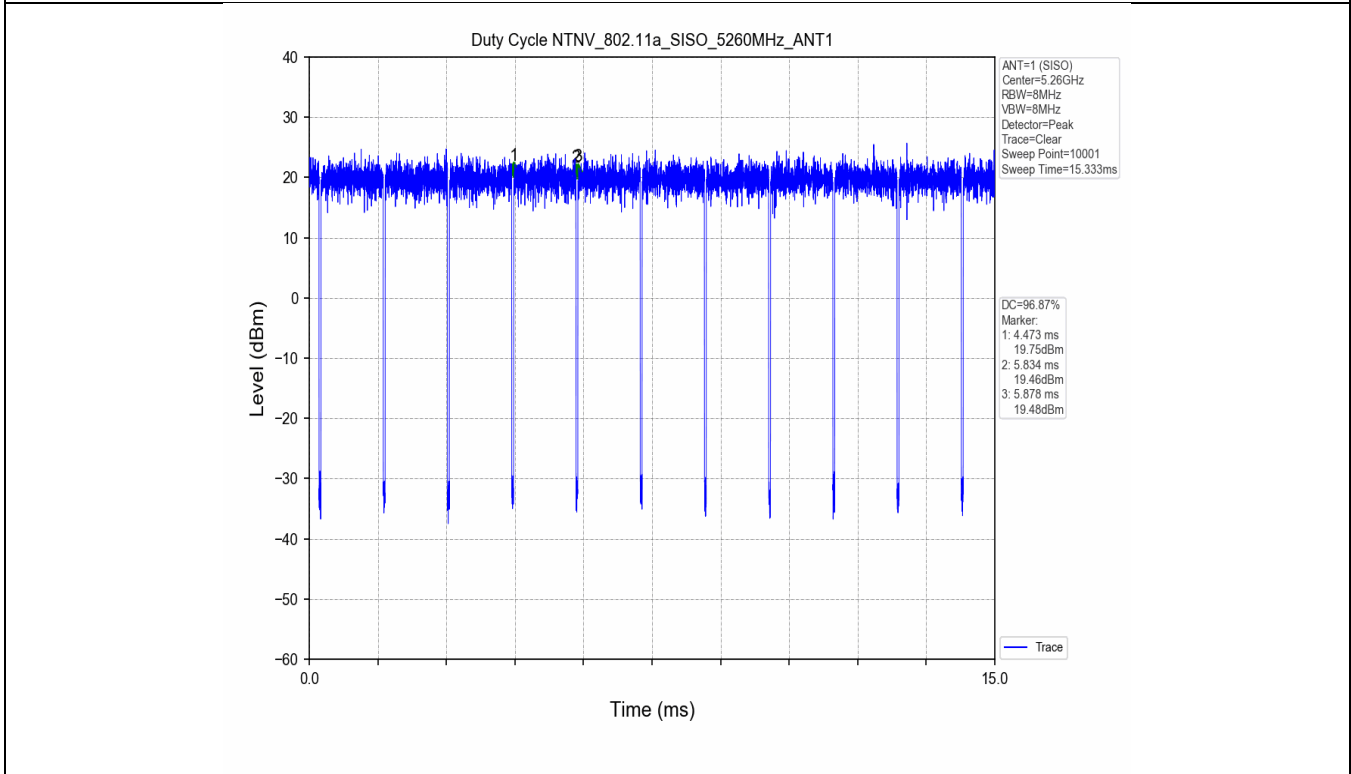
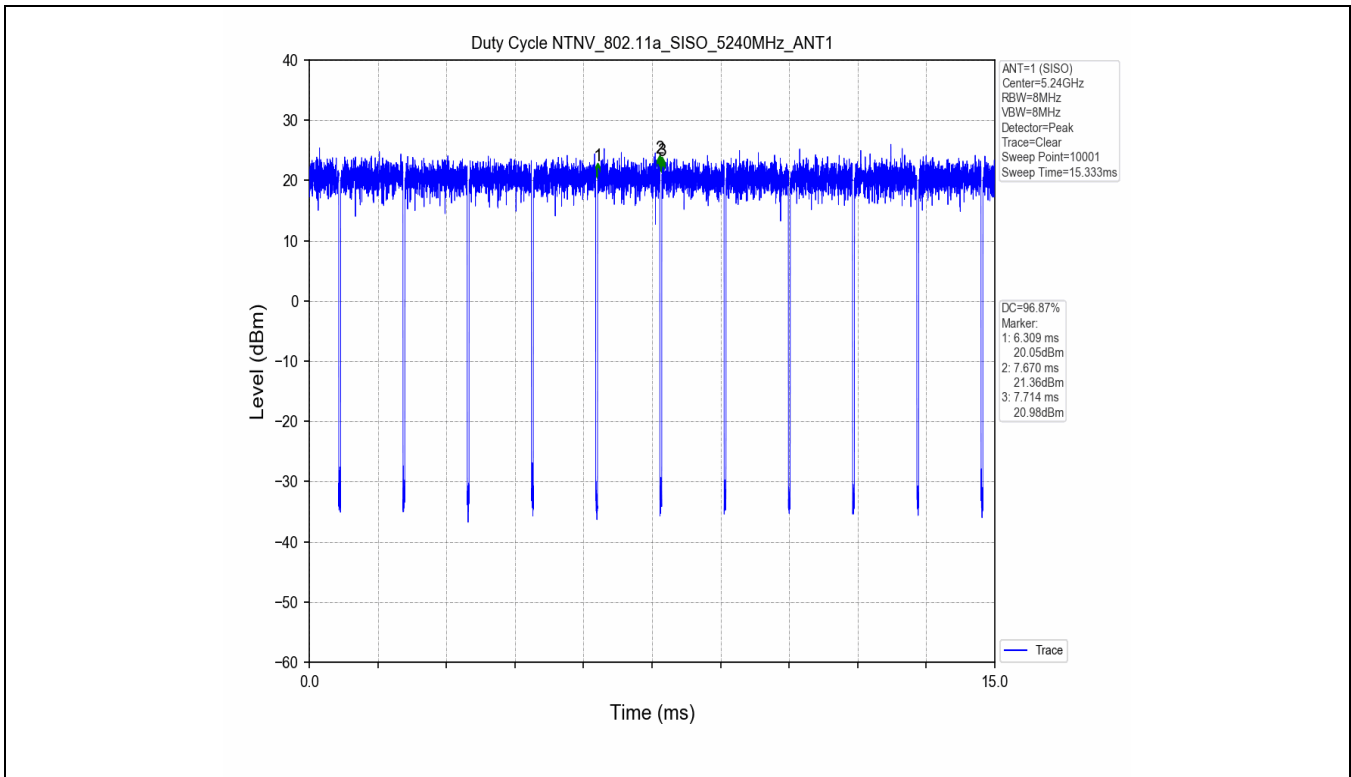
1.1 Test Result

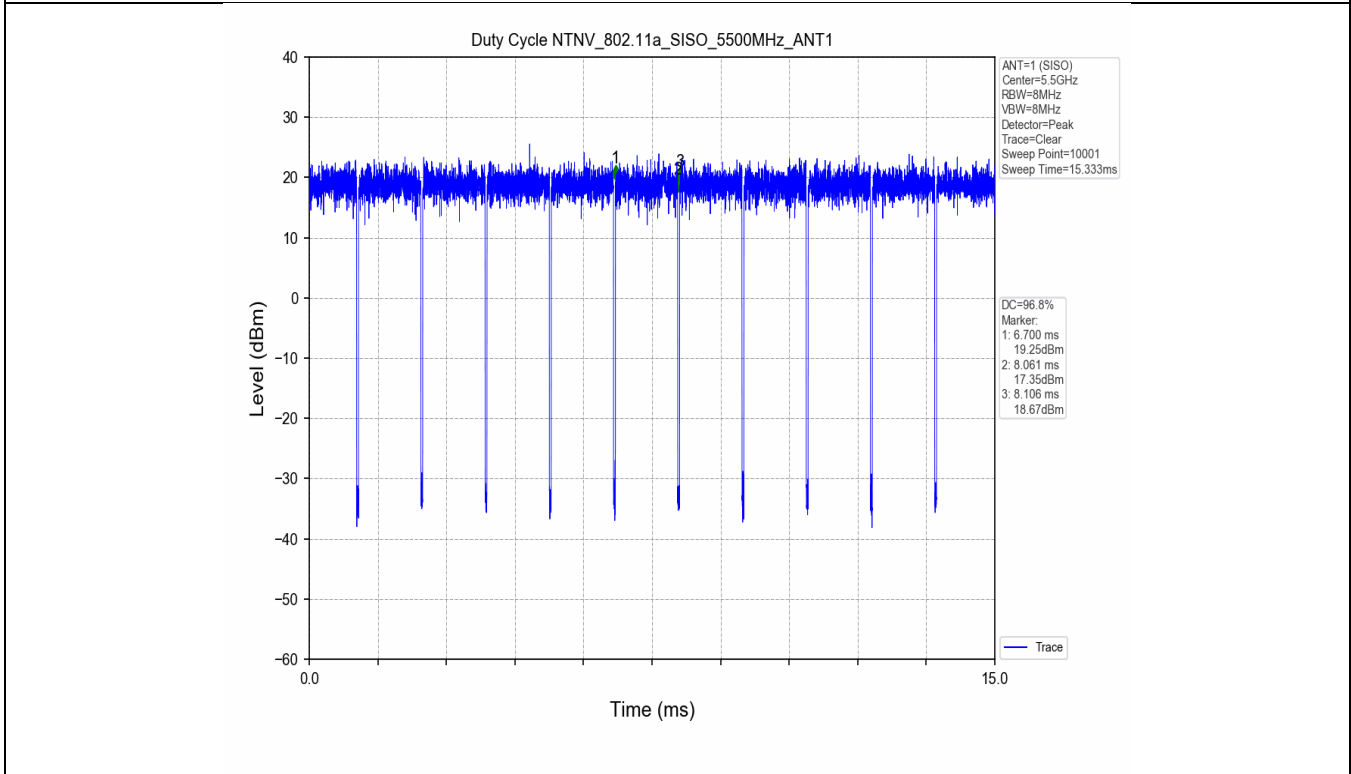
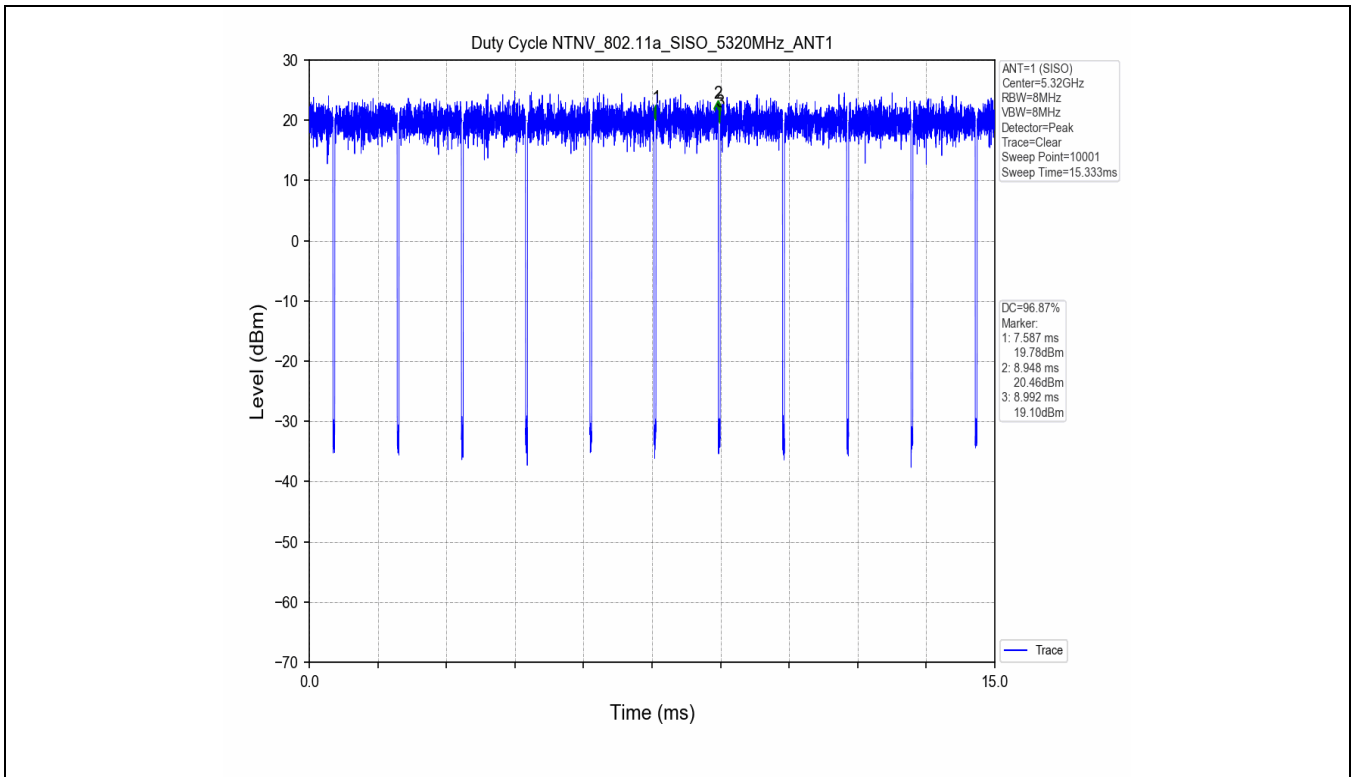
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.361	1.405	96.87	0.14
	5240	SISO	1	1.361	1.405	96.87	0.14
	5260	SISO	1	1.361	1.405	96.87	0.14
	5320	SISO	1	1.361	1.405	96.87	0.14
	5500	SISO	1	1.361	1.406	96.80	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
	5825	SISO	1	1.361	1.405	96.87	0.14
802.11n(HT20)	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
	5825	SISO	1	1.299	1.344	96.65	0.15
802.11n(HT40)	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
5795	SISO	1	0.618	0.661	93.49	0.29	
802.11ac(VHT20)	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	

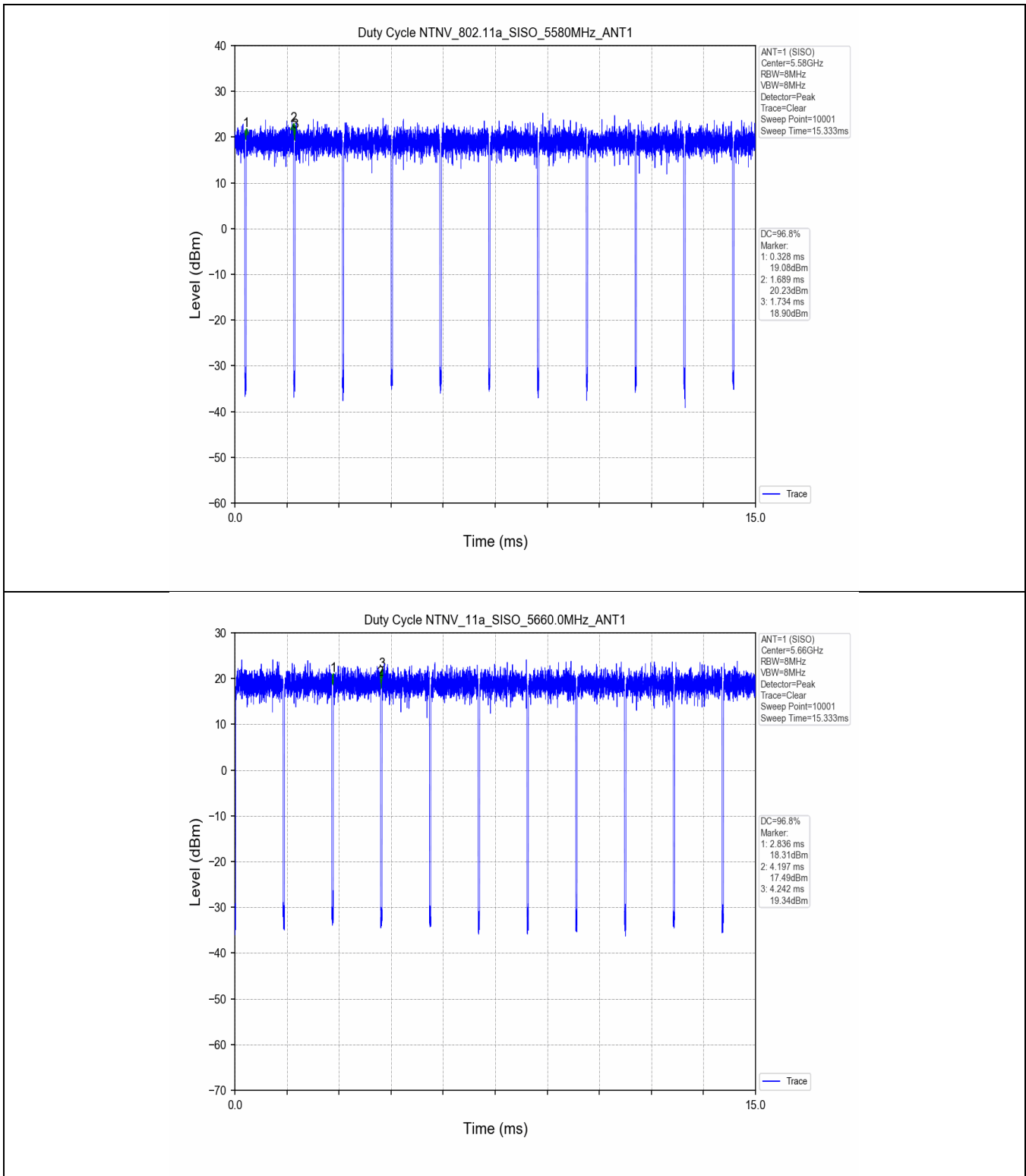
	5745	SISO	1	1.312	1.357	96.68	0.15
	5785	SISO	1	1.312	1.356	96.76	0.14
	5825	SISO	1	1.310	1.356	96.61	0.15
802.11ac(VHT40)	5190	SISO	1	0.623	0.665	93.68	0.28
	5230	SISO	1	0.622	0.665	93.53	0.29
	5270	SISO	1	0.622	0.665	93.53	0.29
	5310	SISO	1	0.622	0.665	93.53	0.29
	5510	SISO	1	0.622	0.665	93.53	0.29
	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
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
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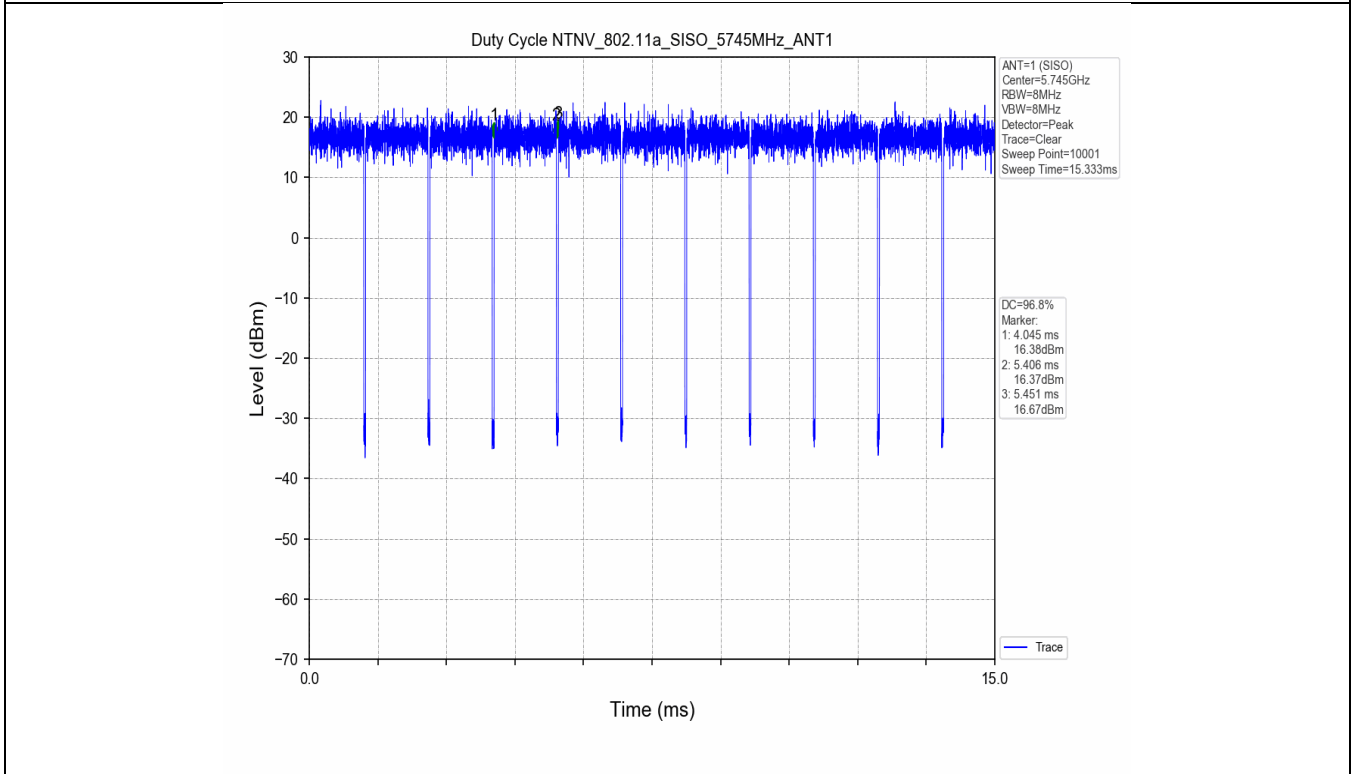
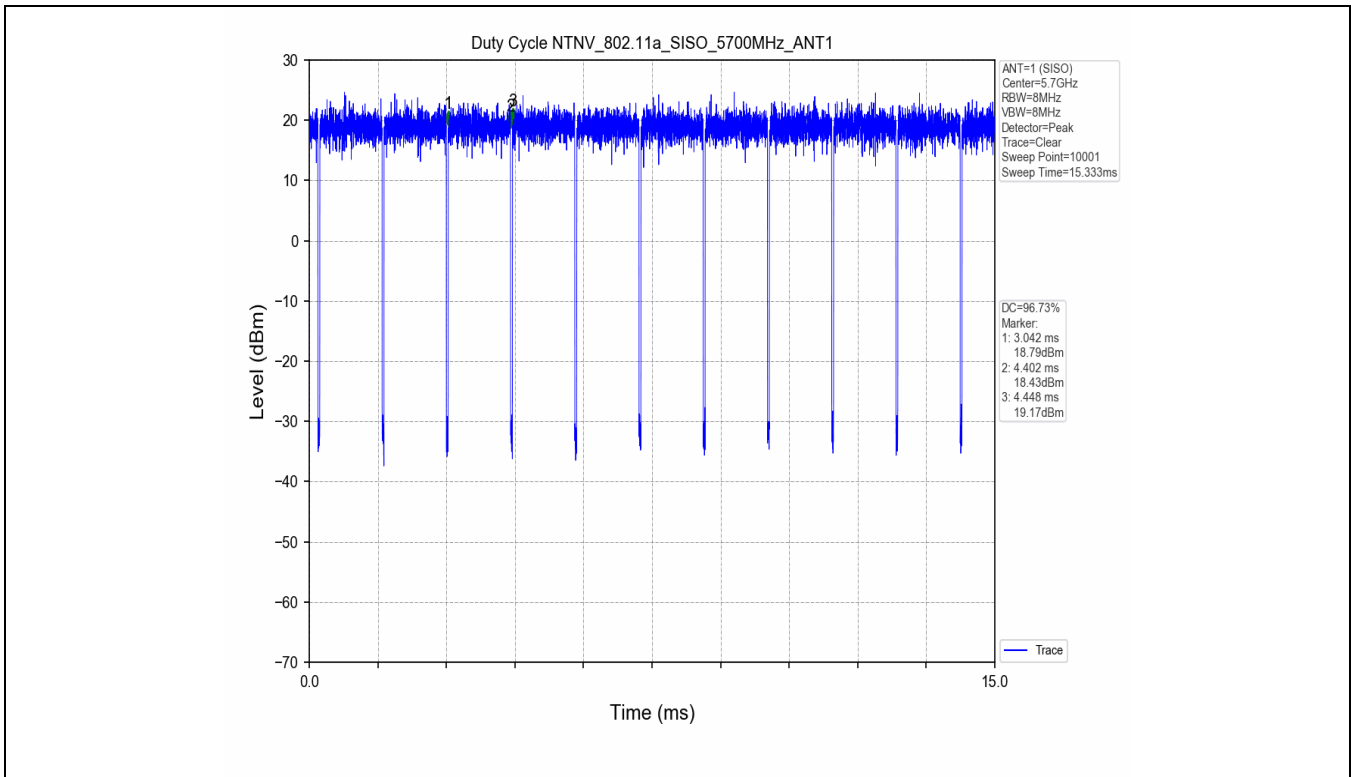
1.2 Test Graph

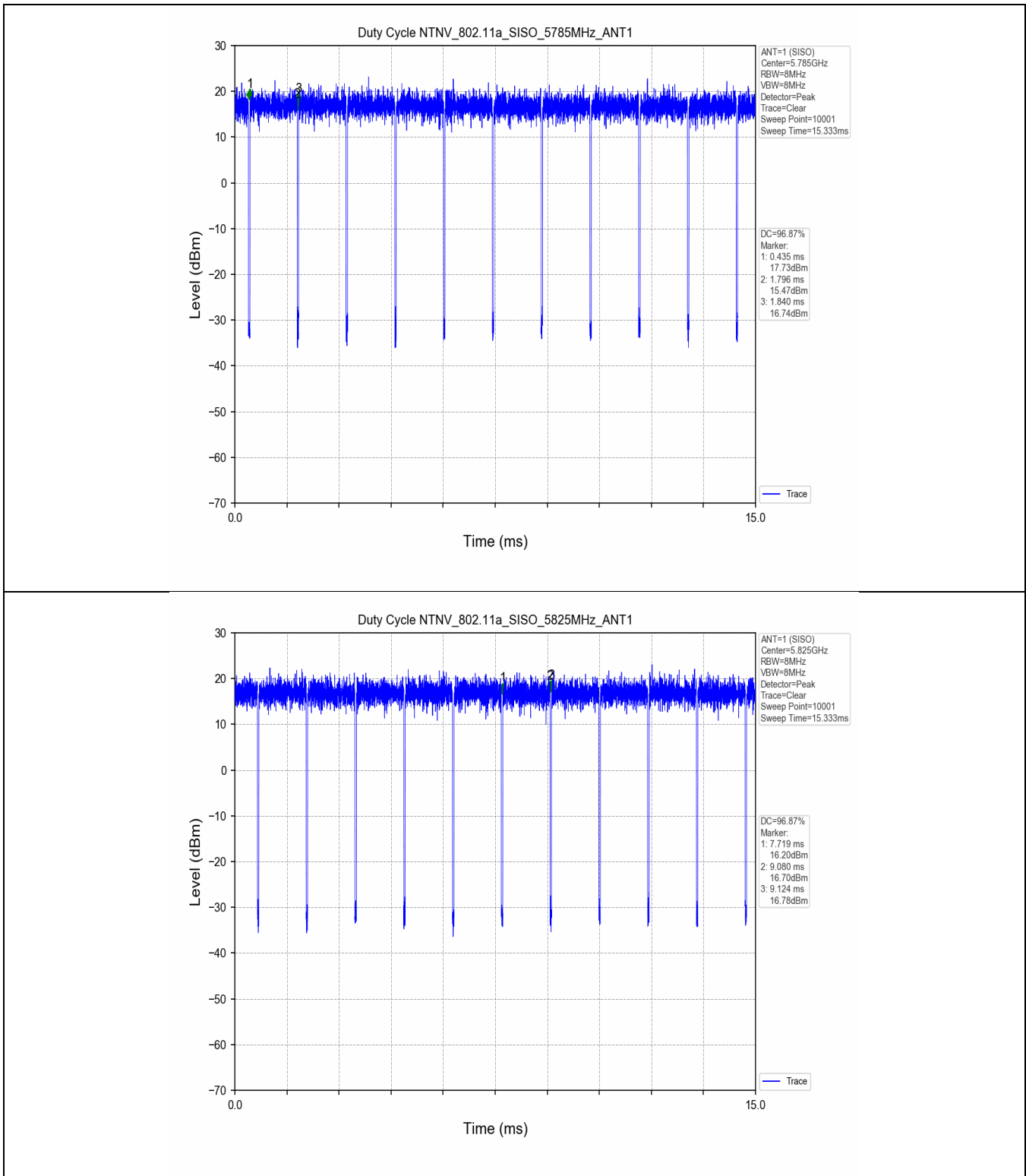


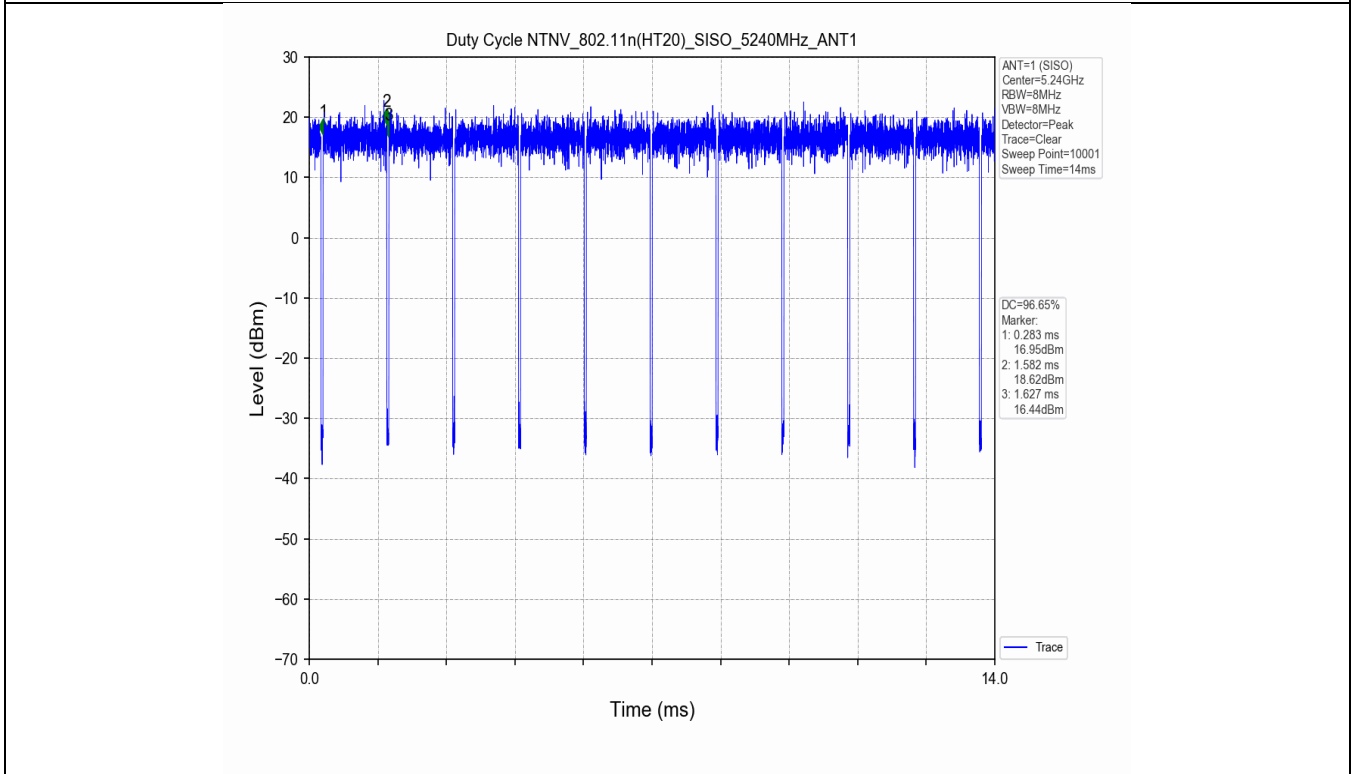
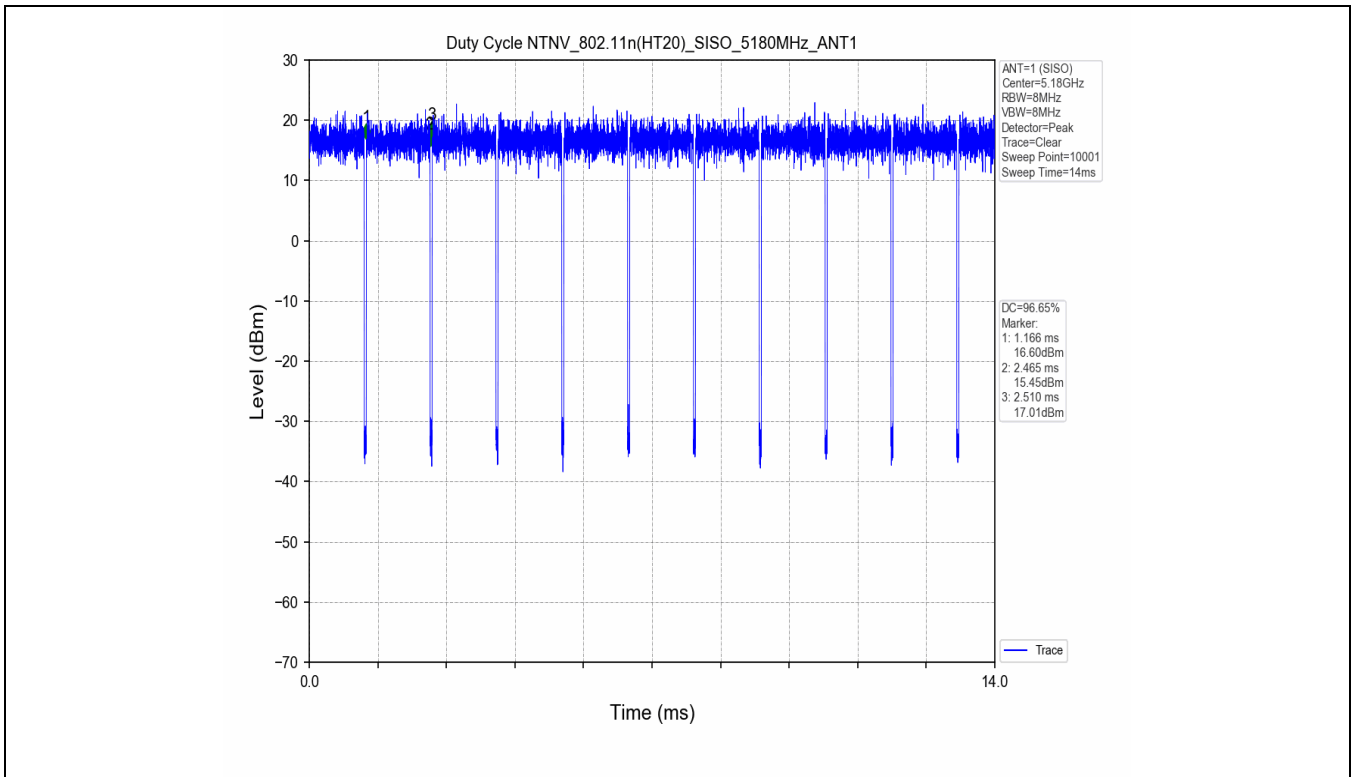


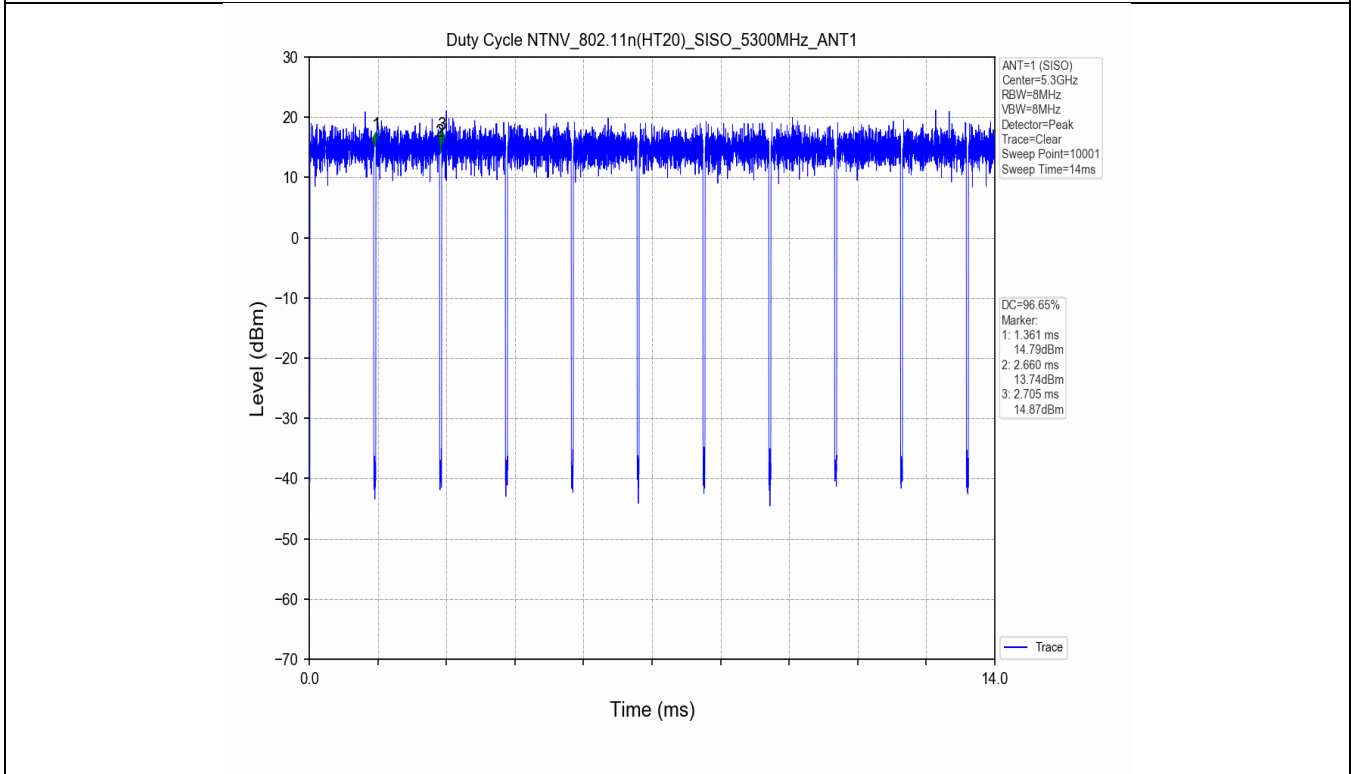
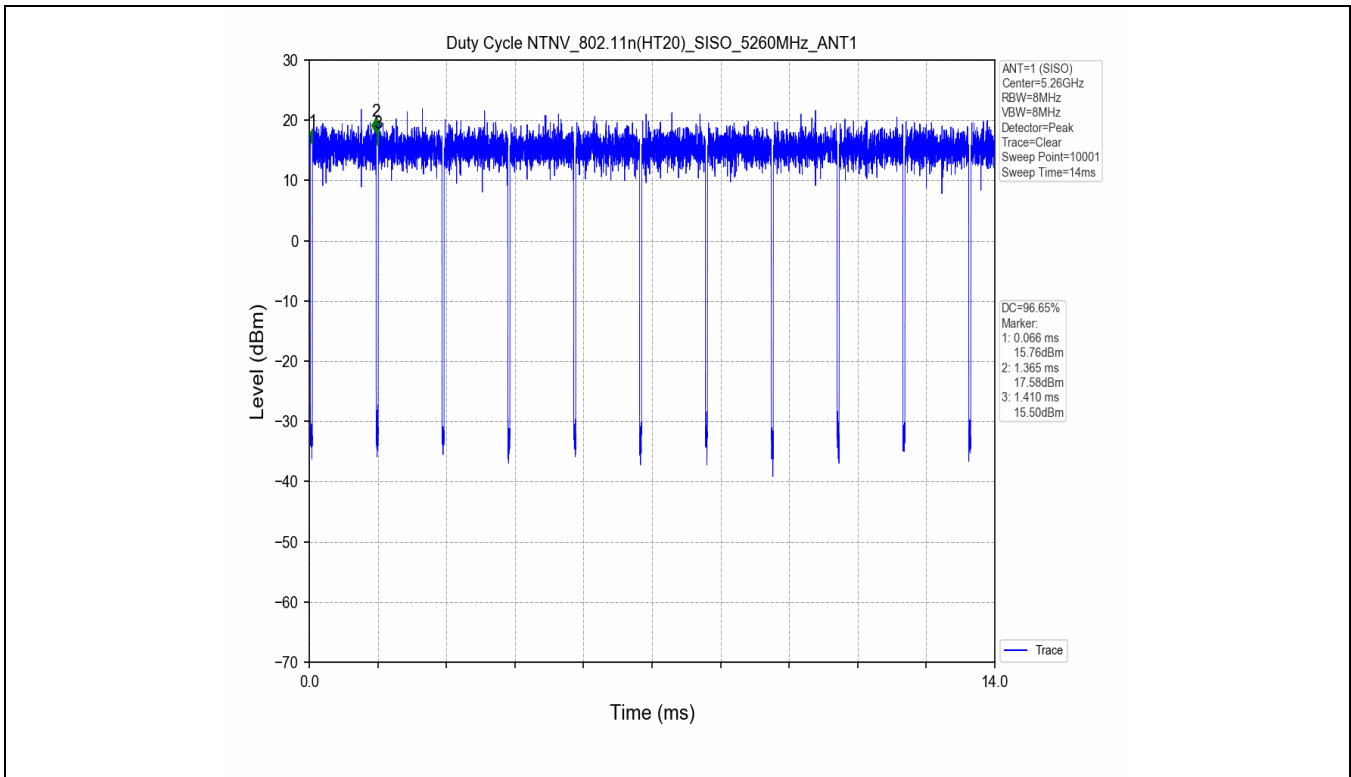


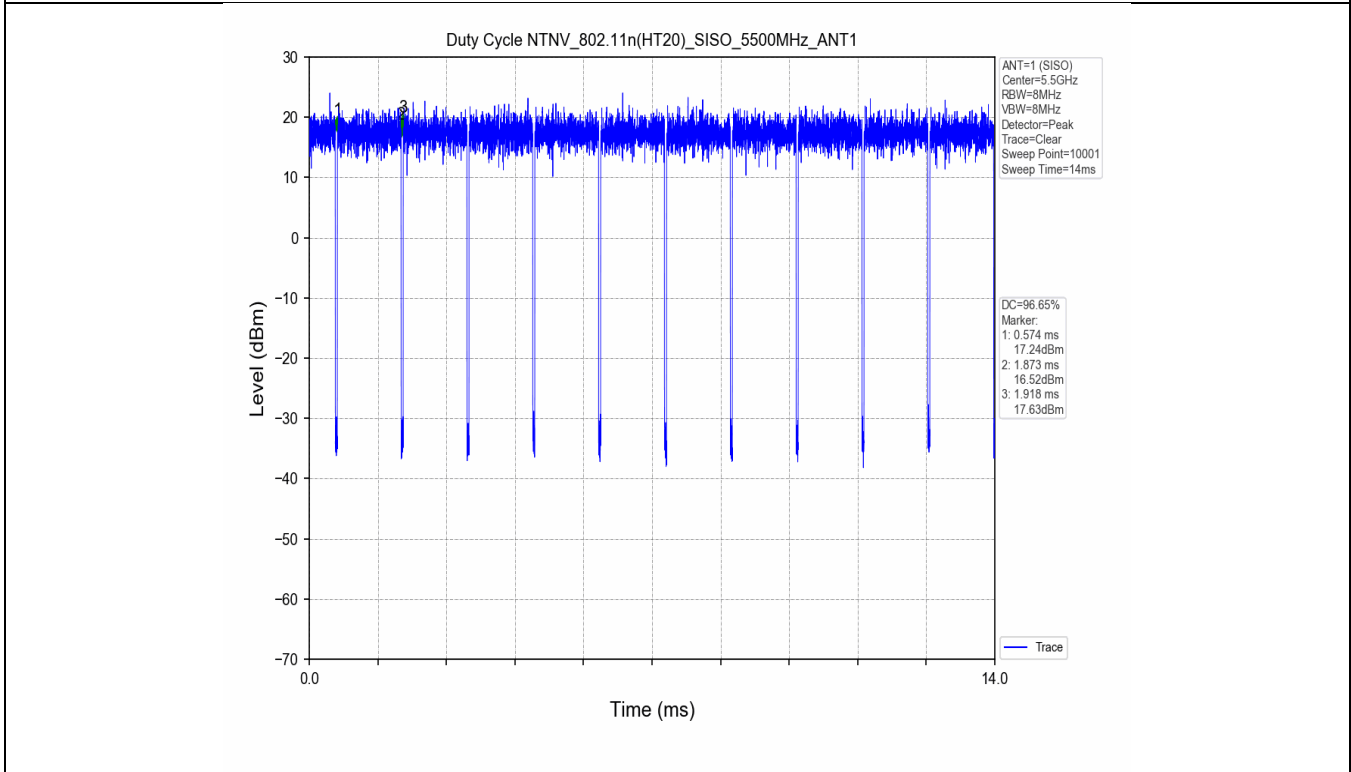
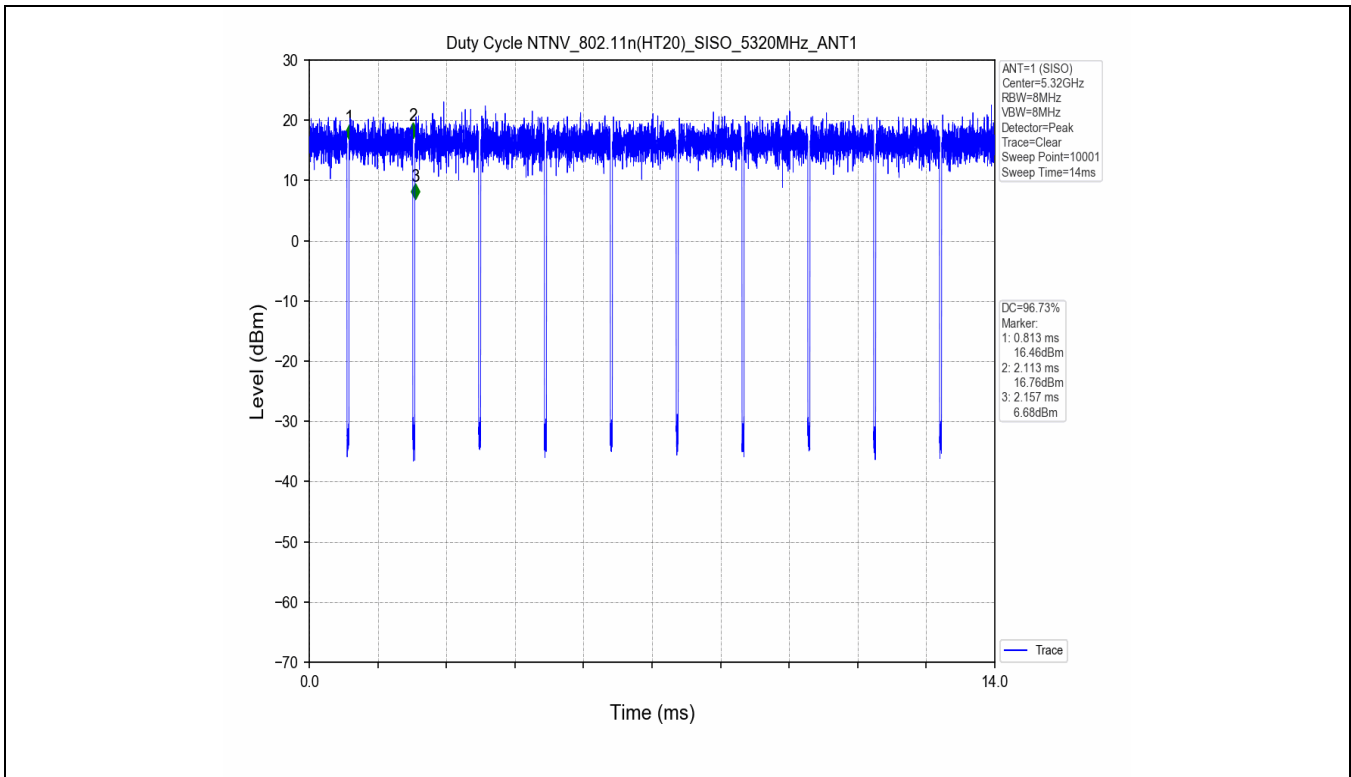


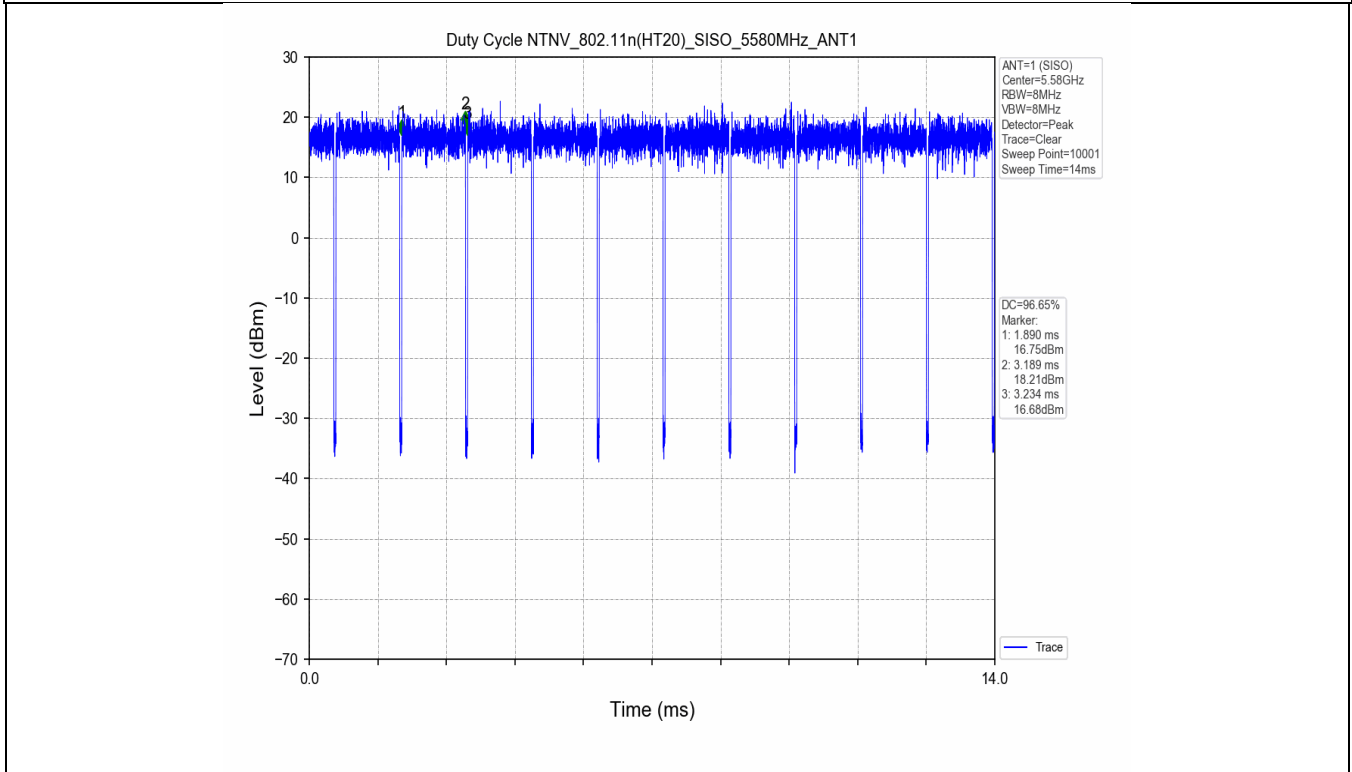
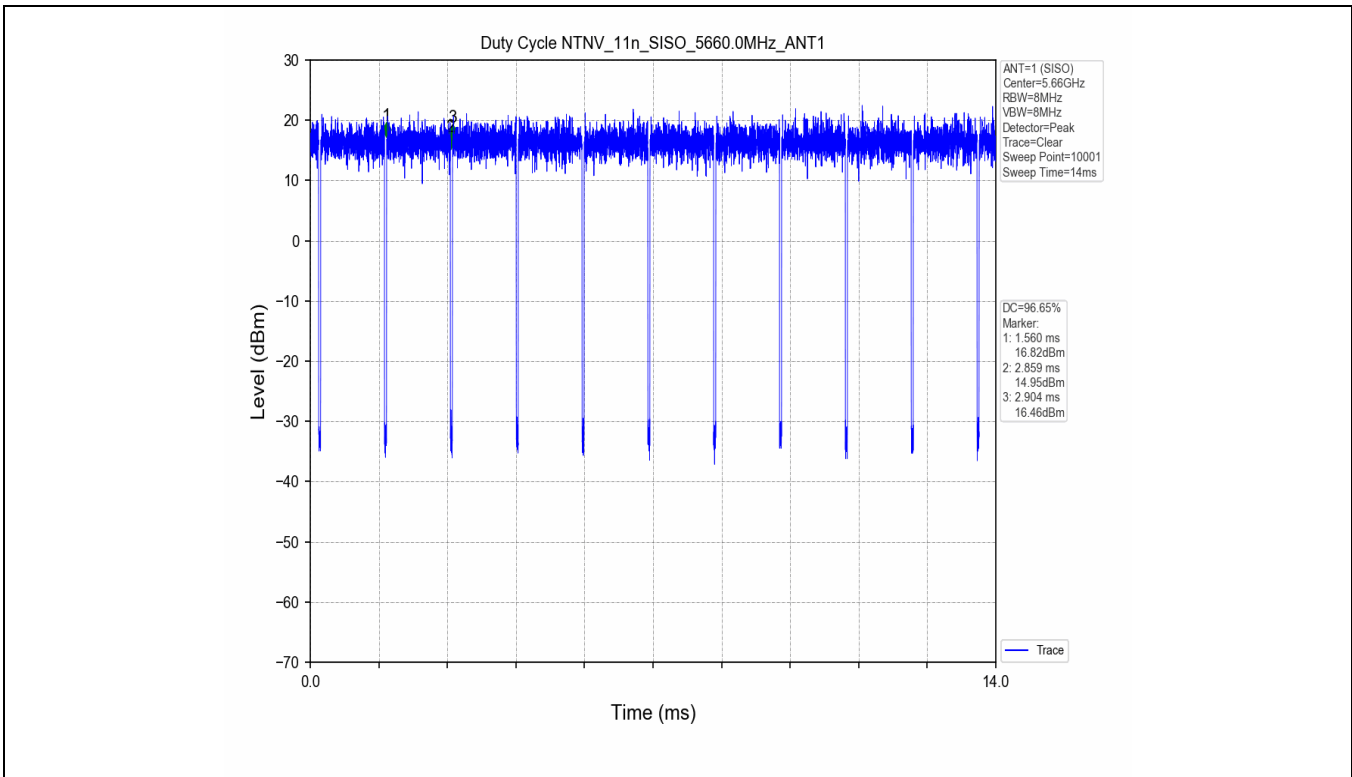


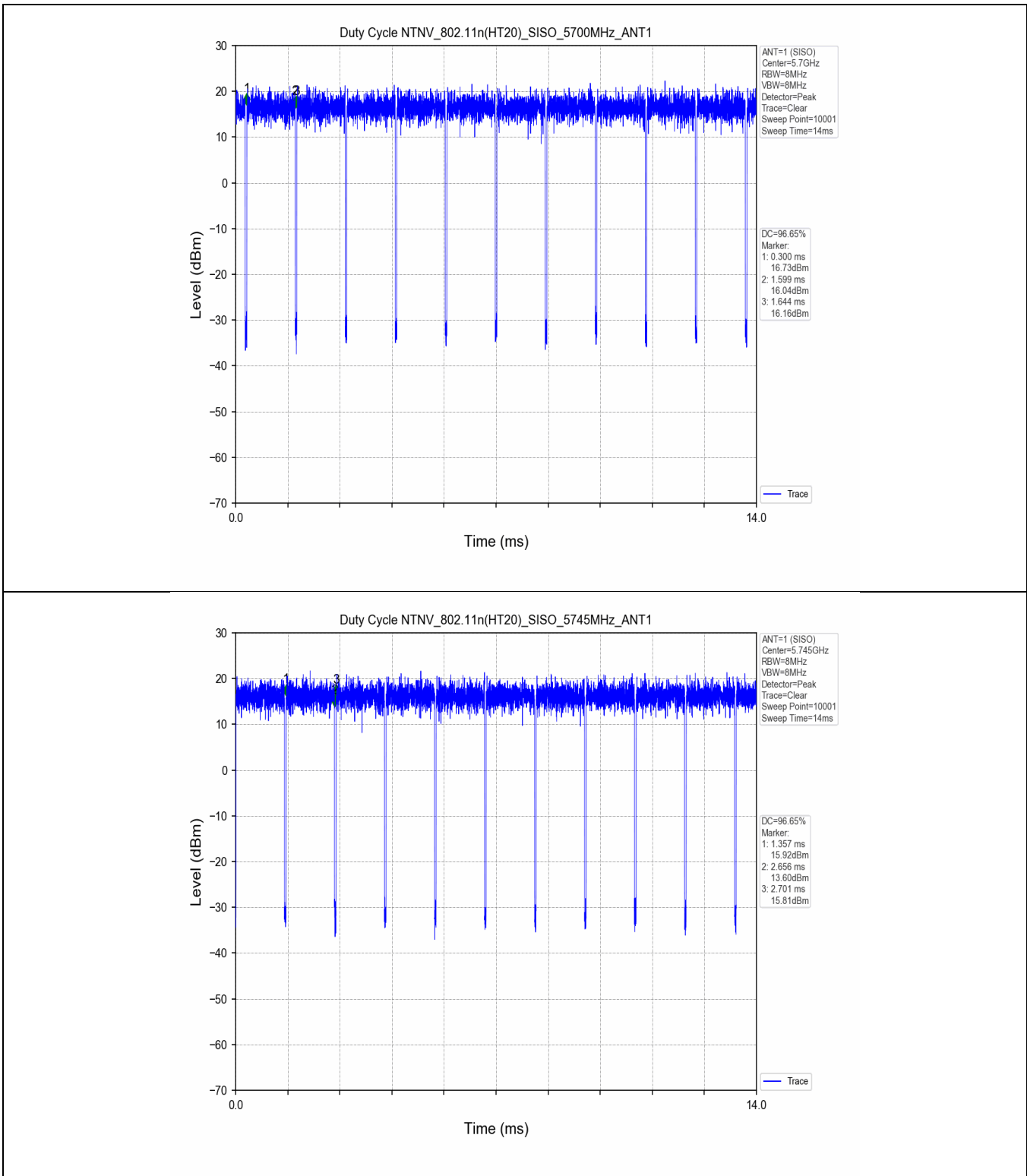


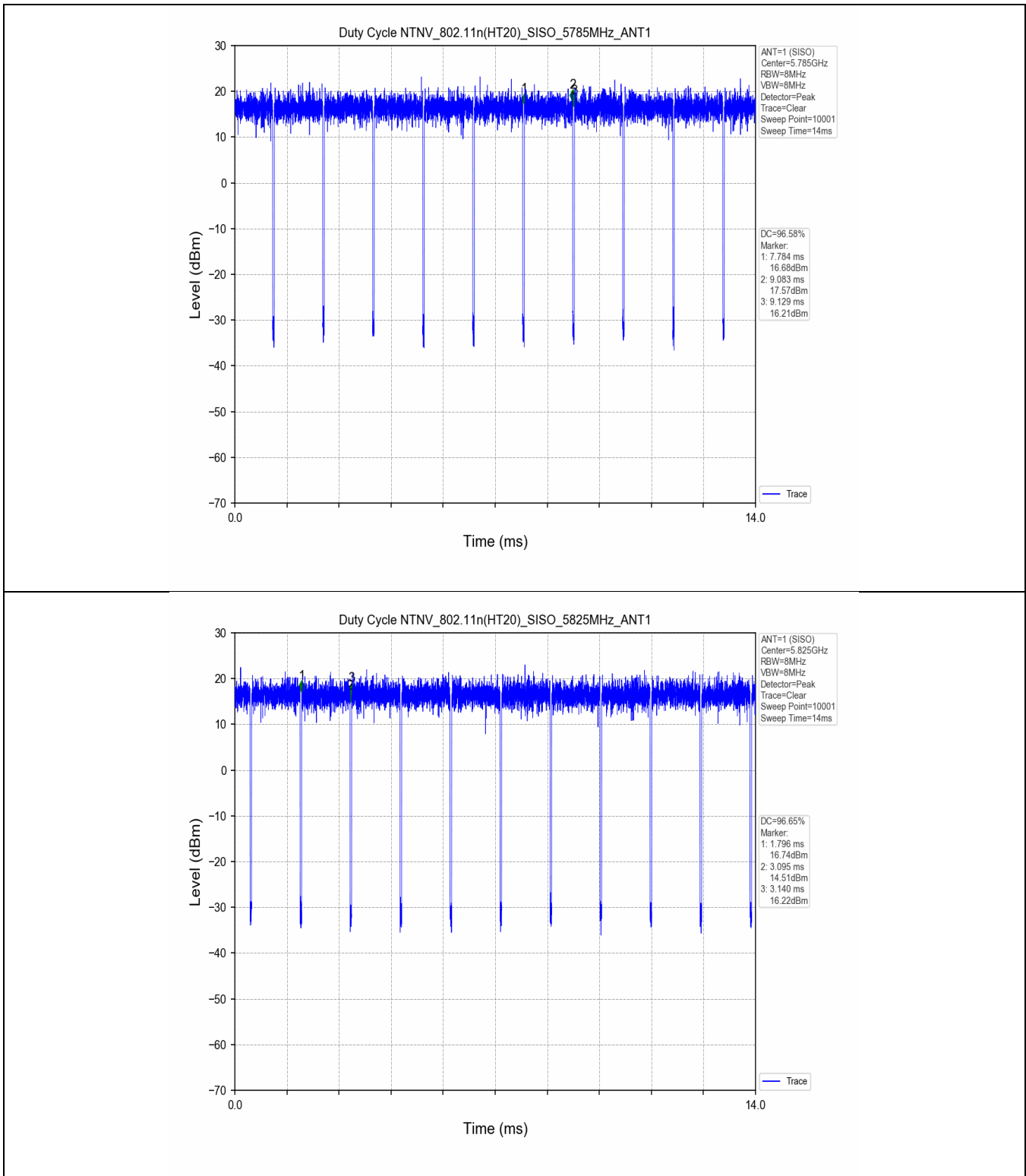


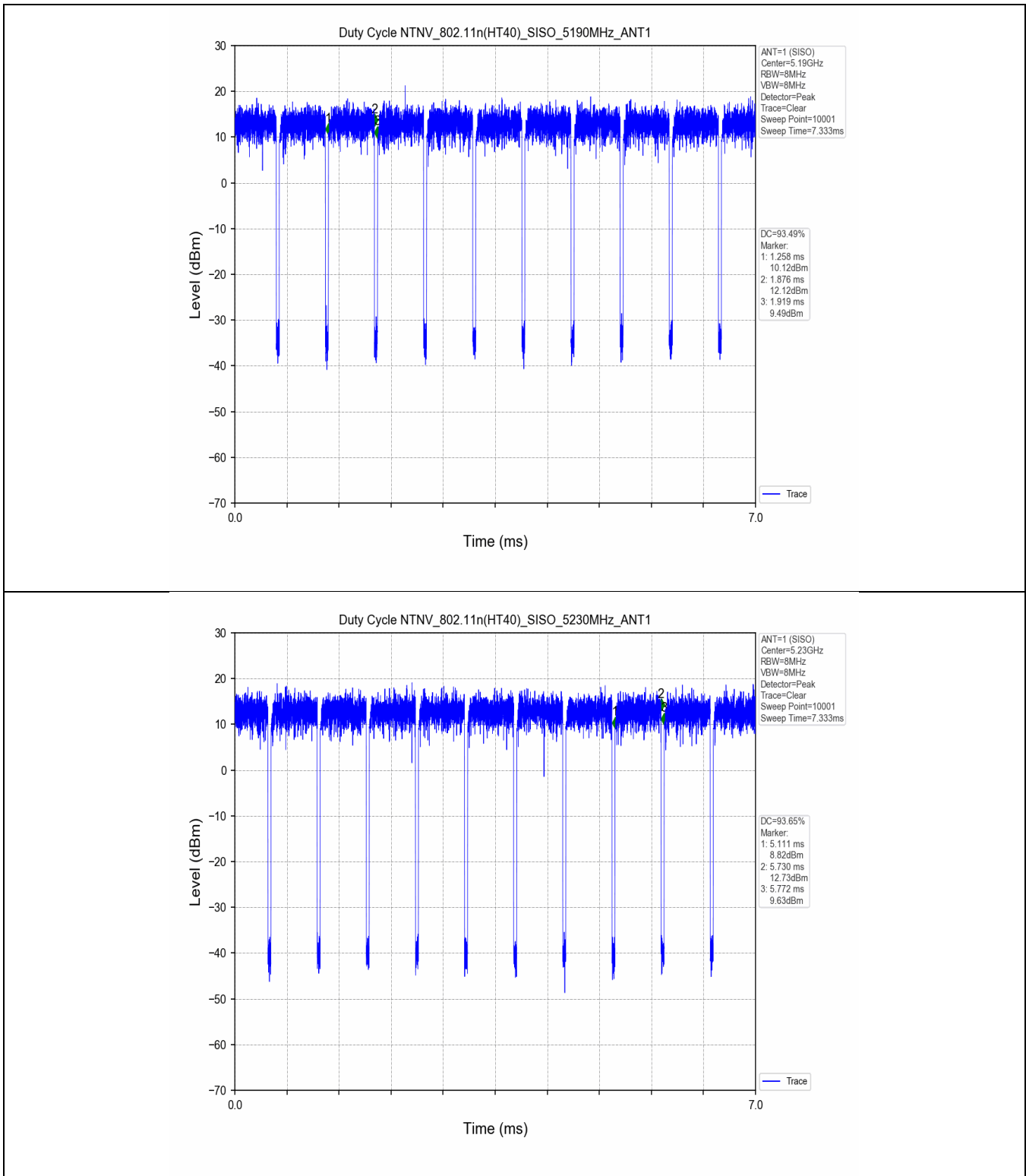


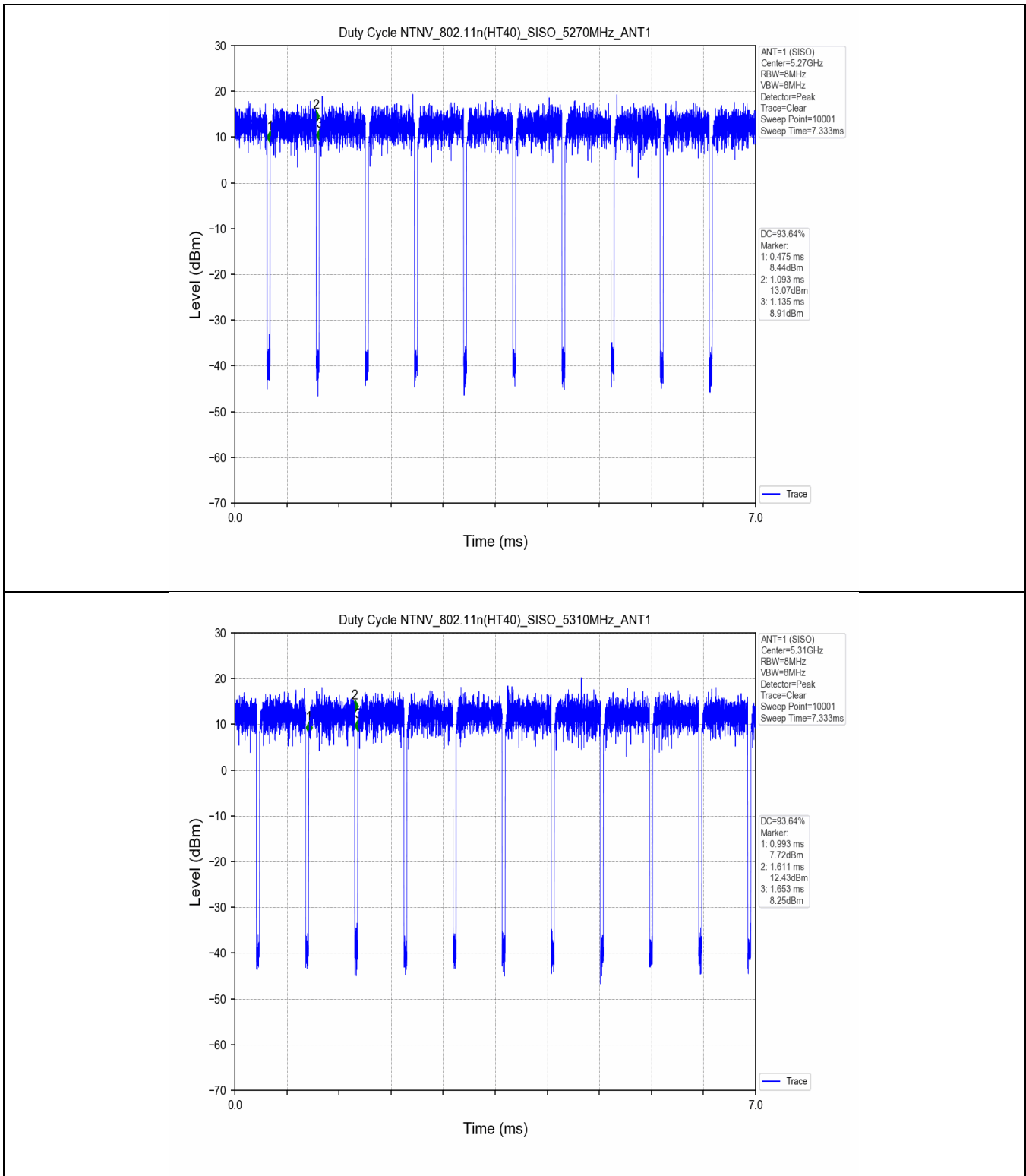


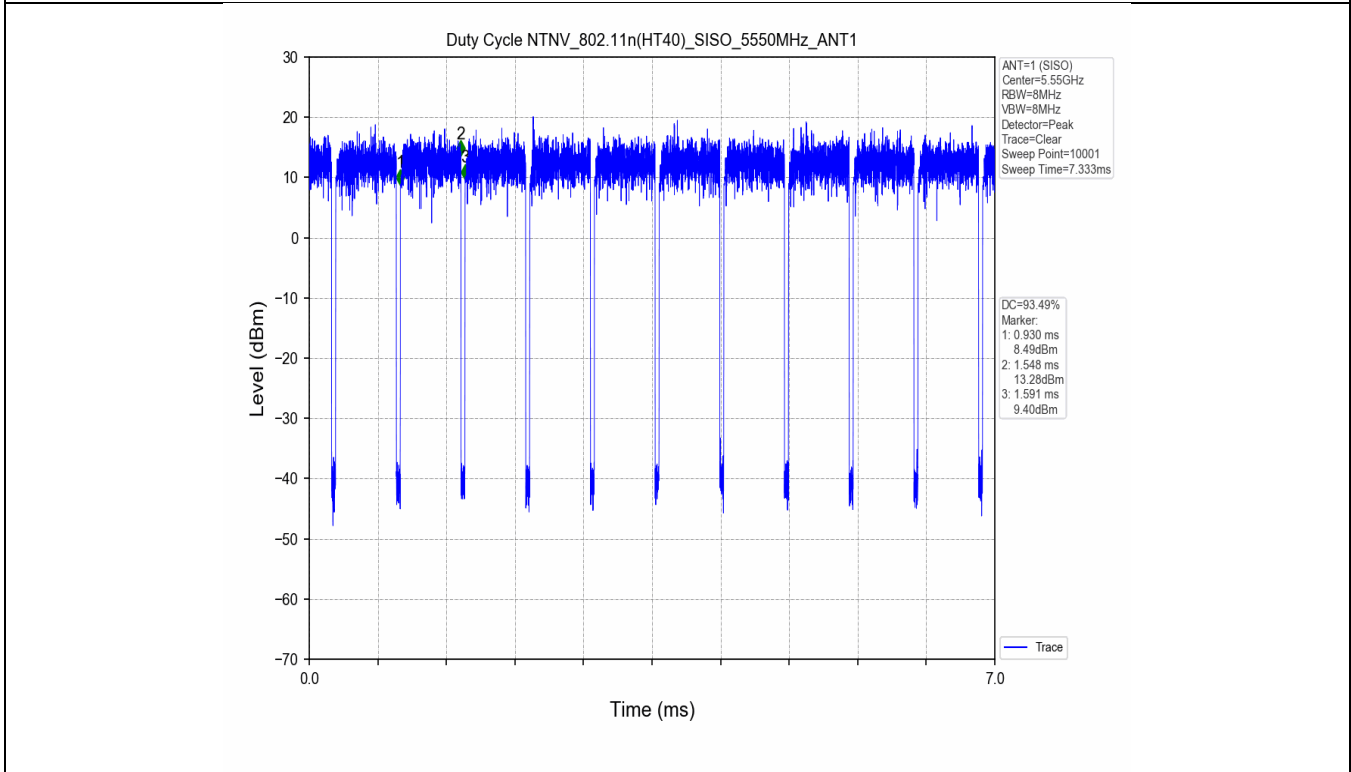
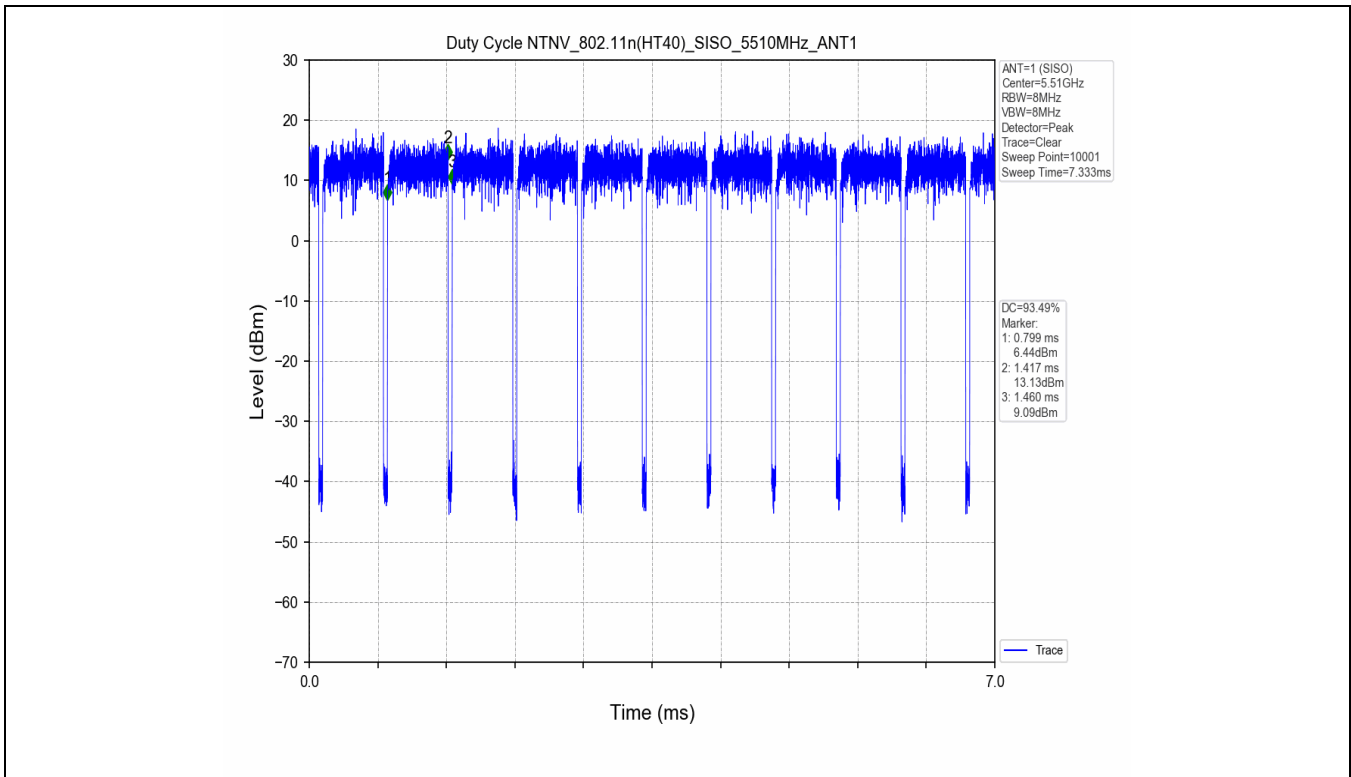


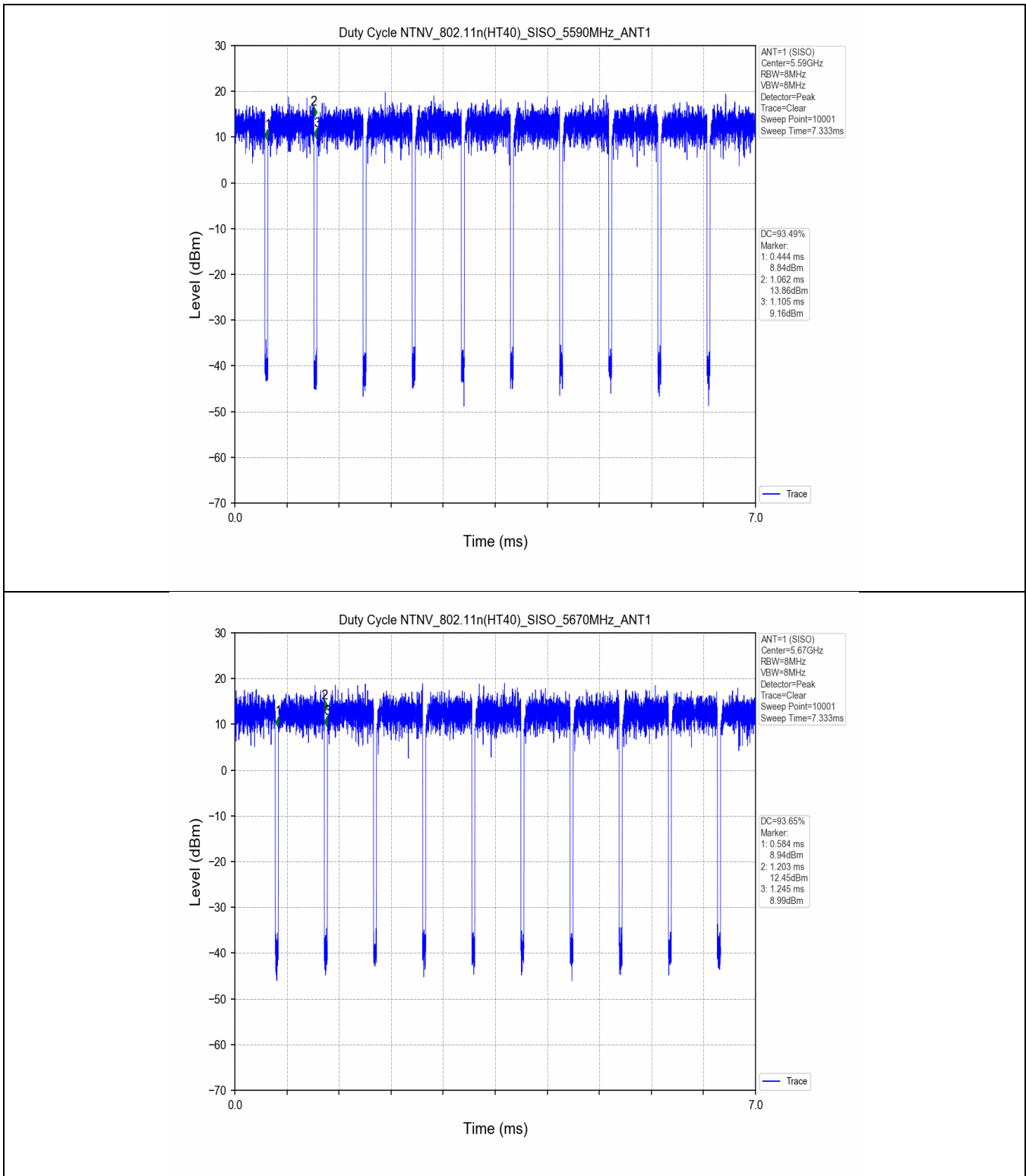


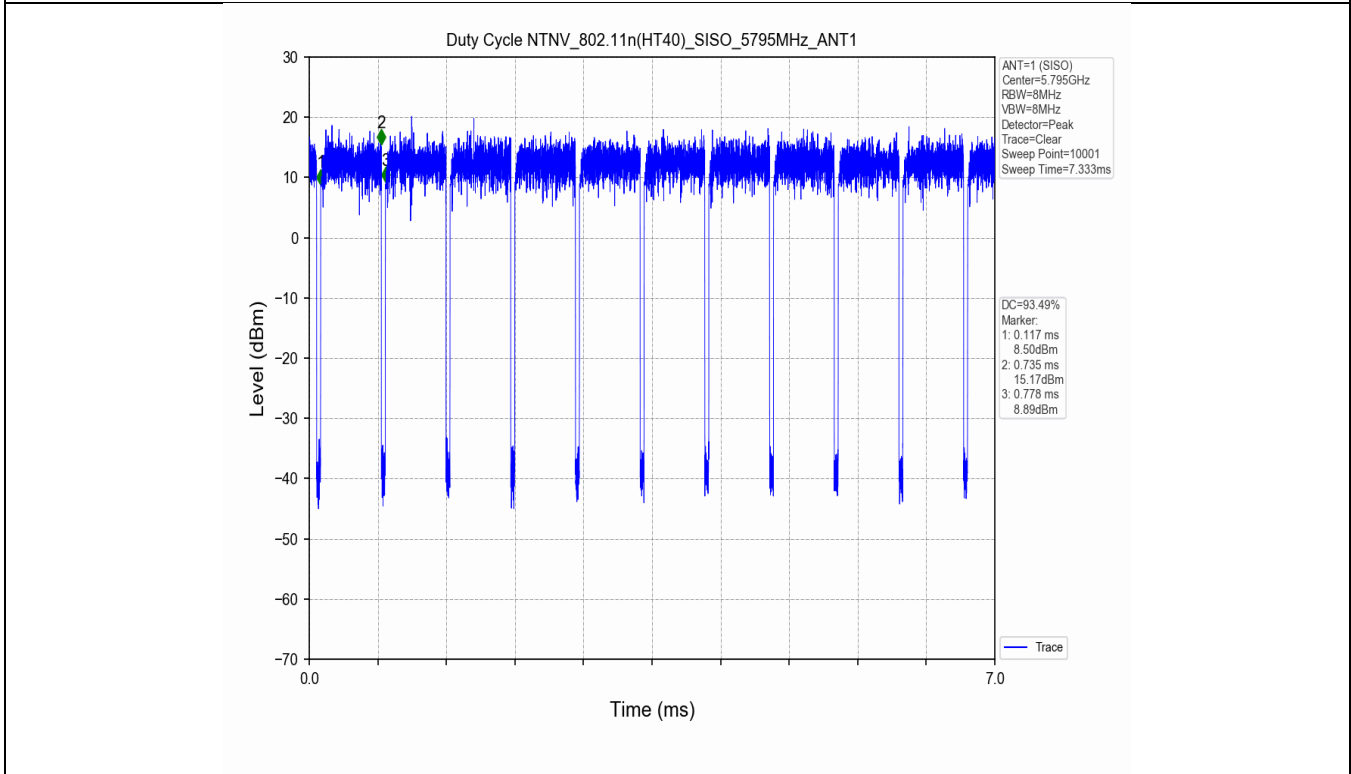
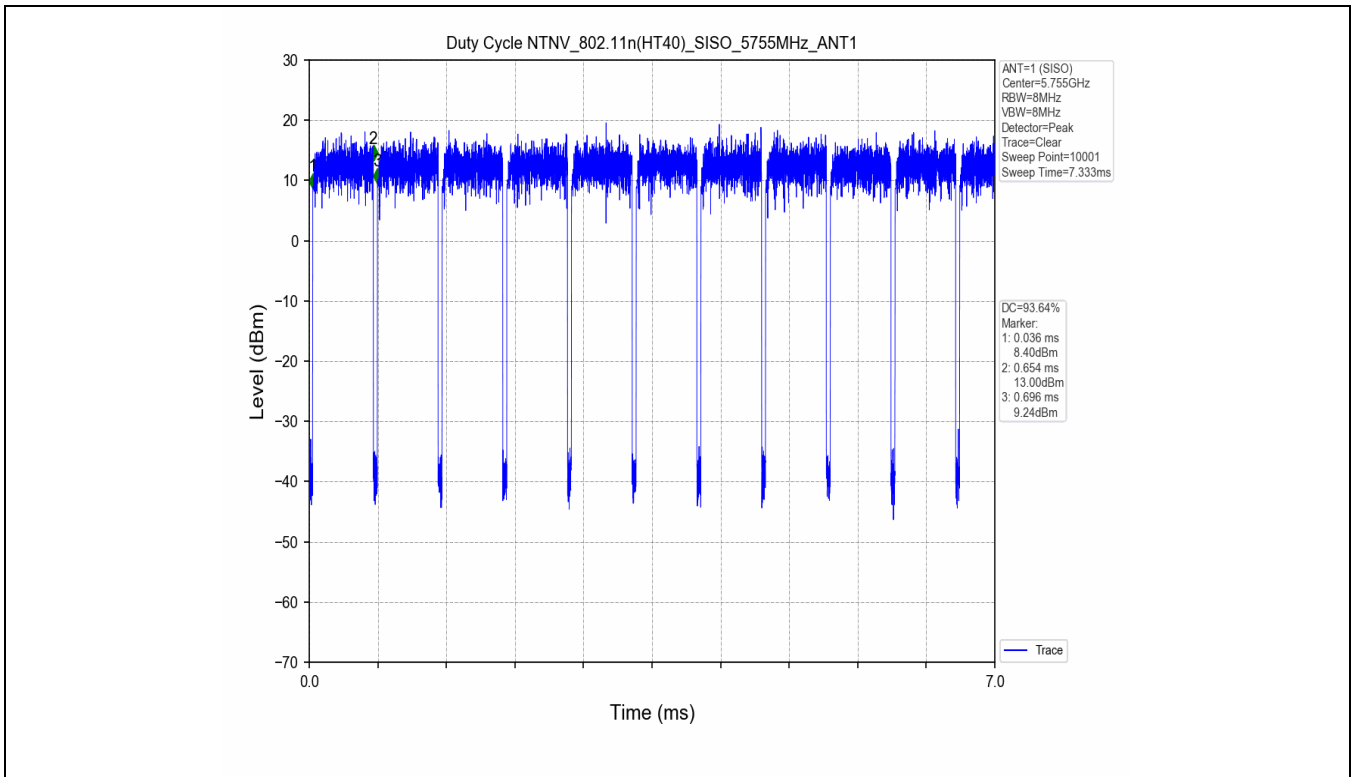


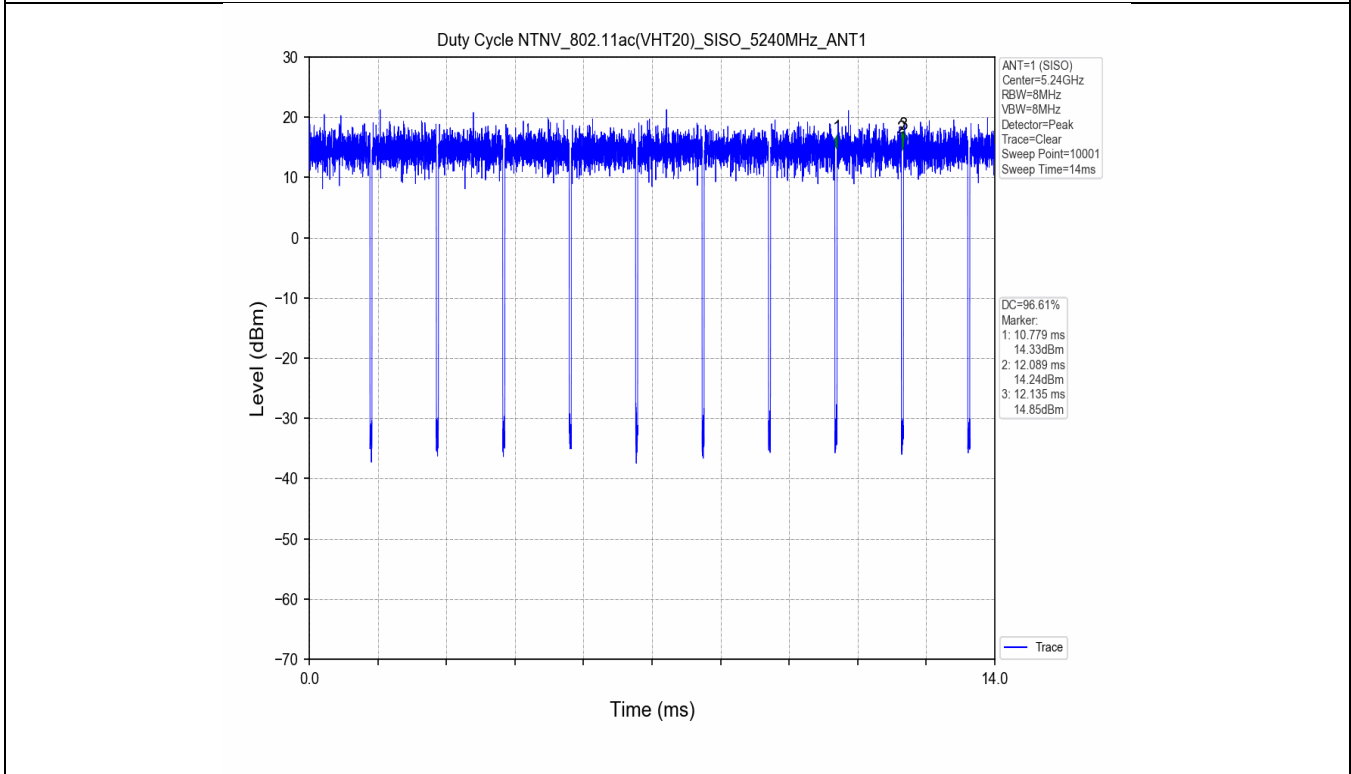
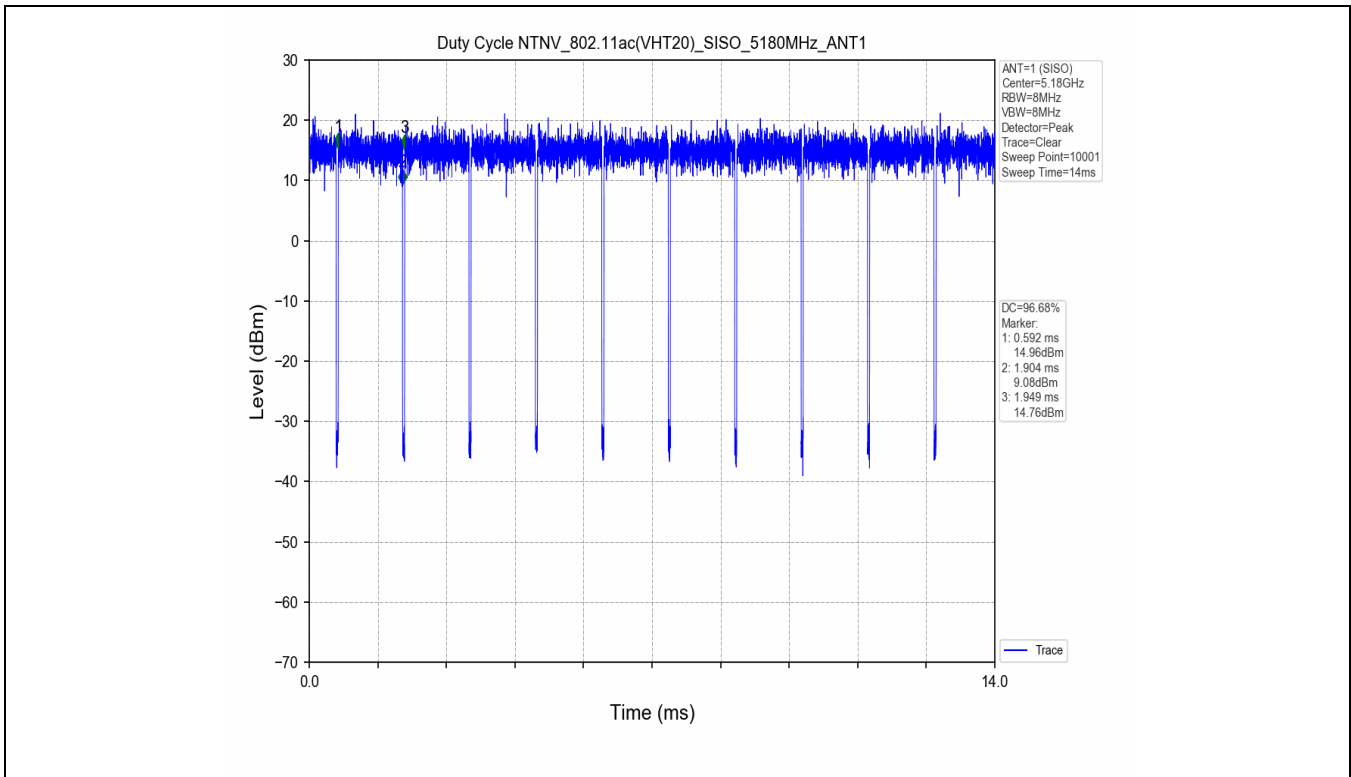


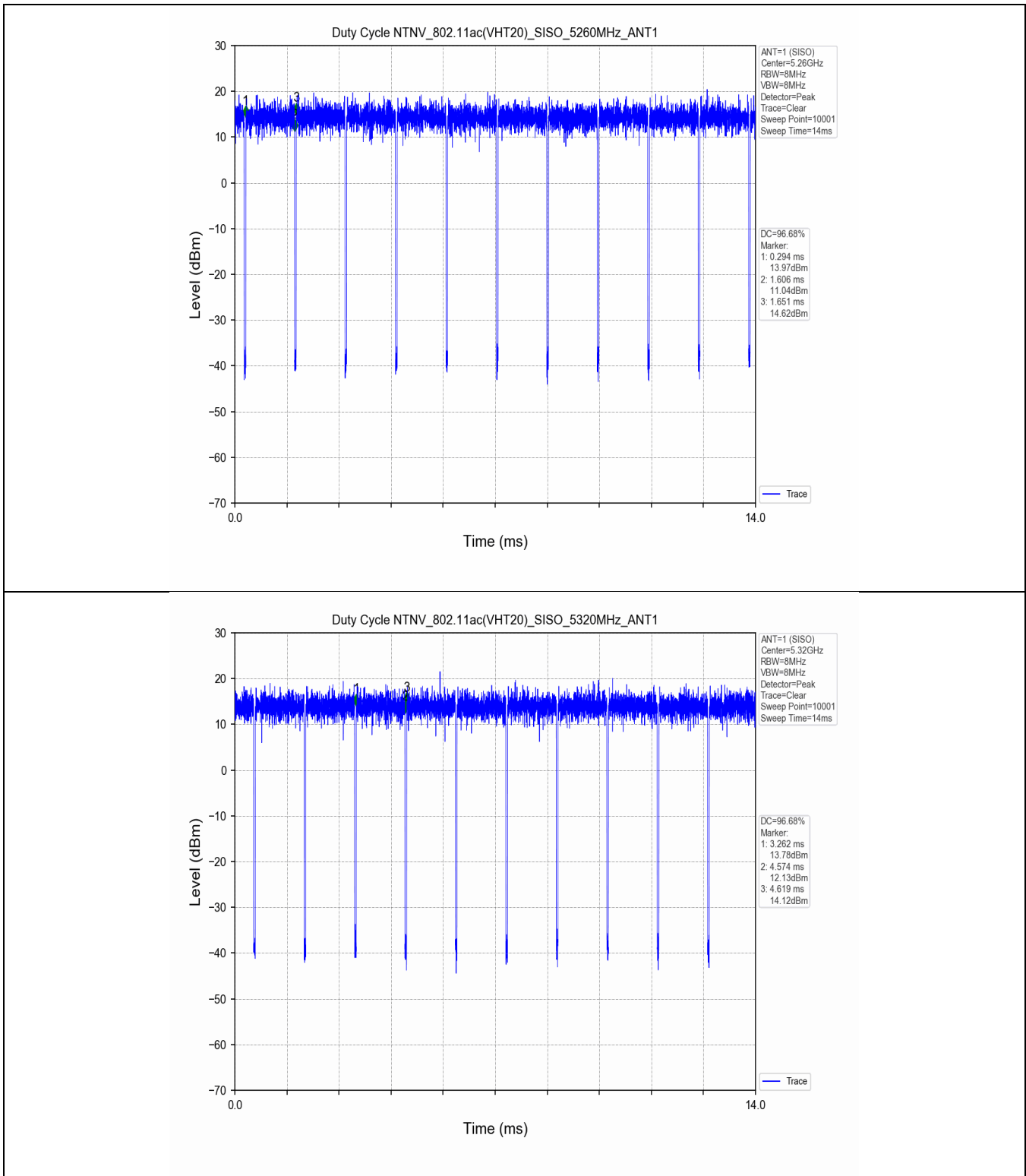


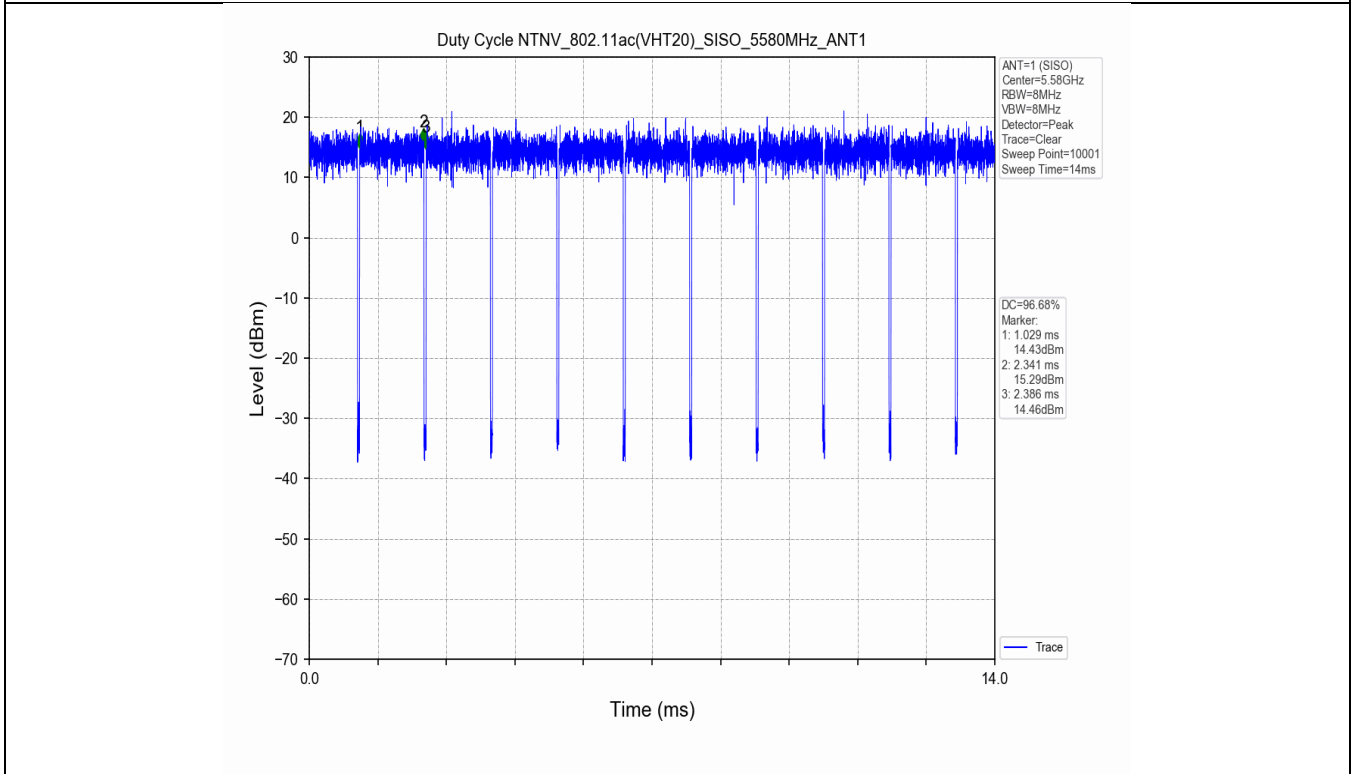
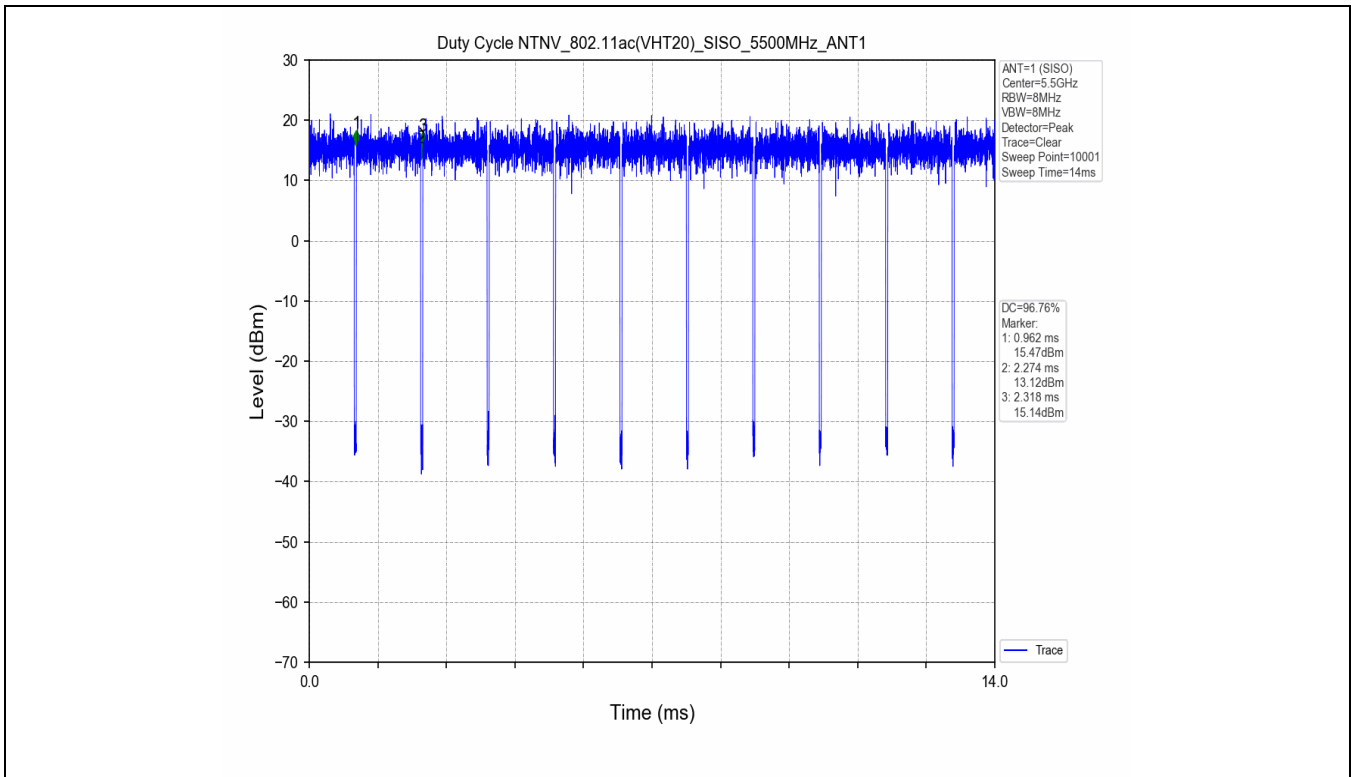


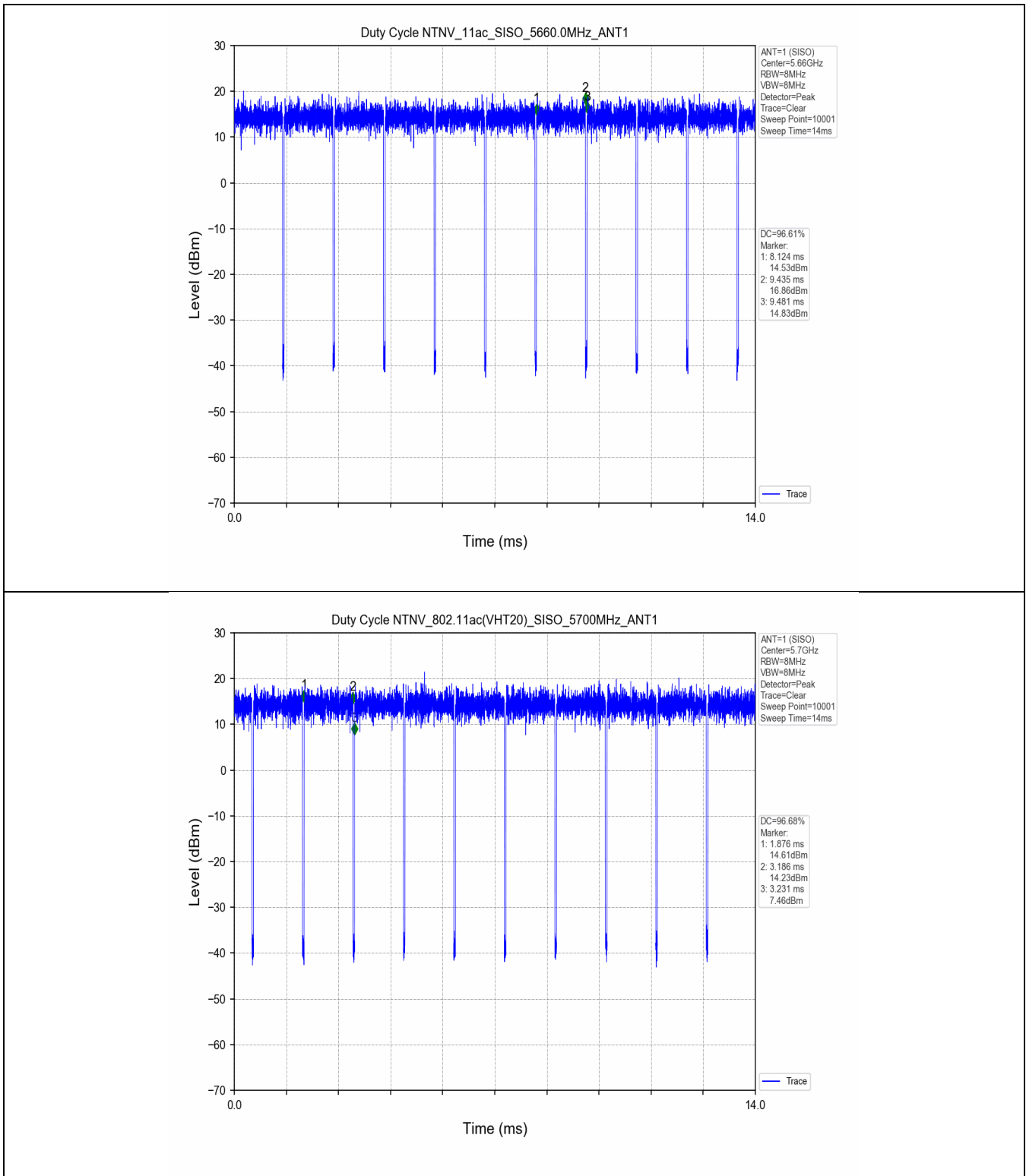


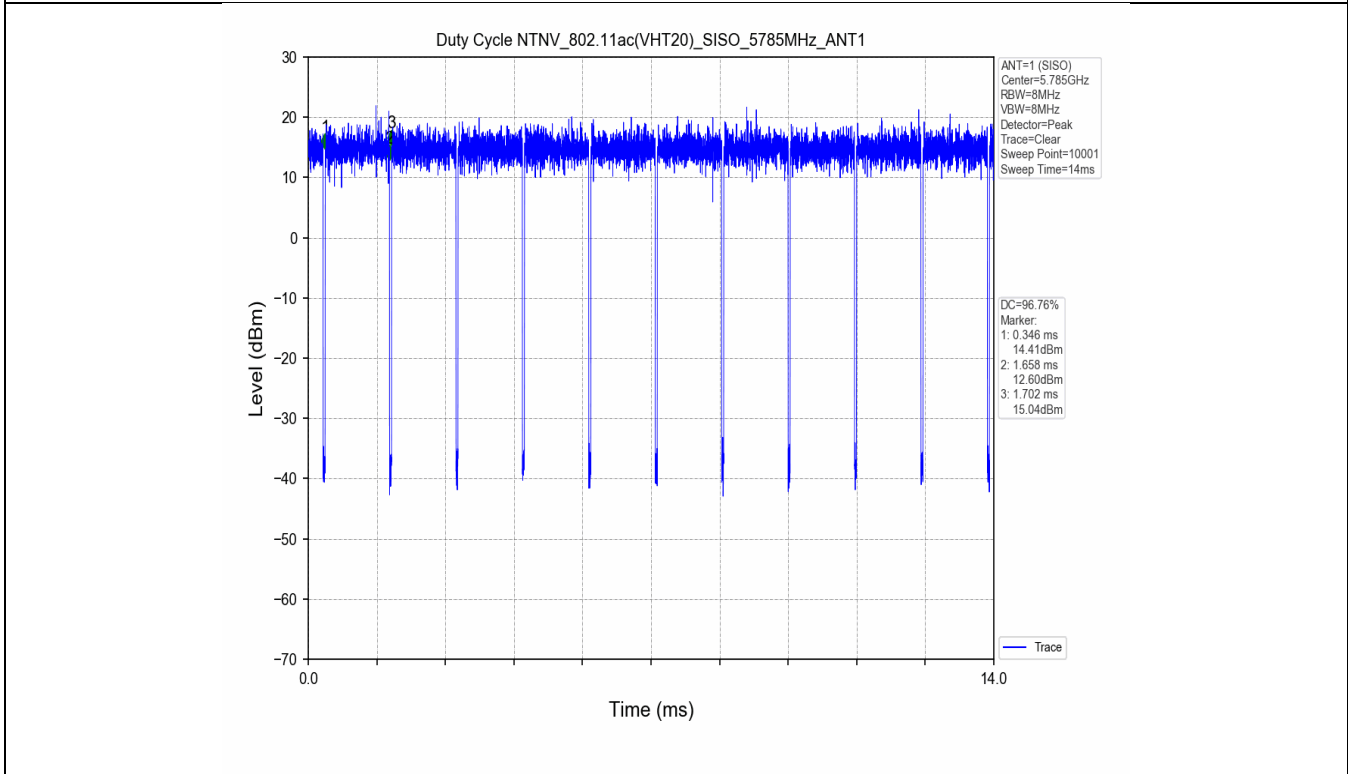
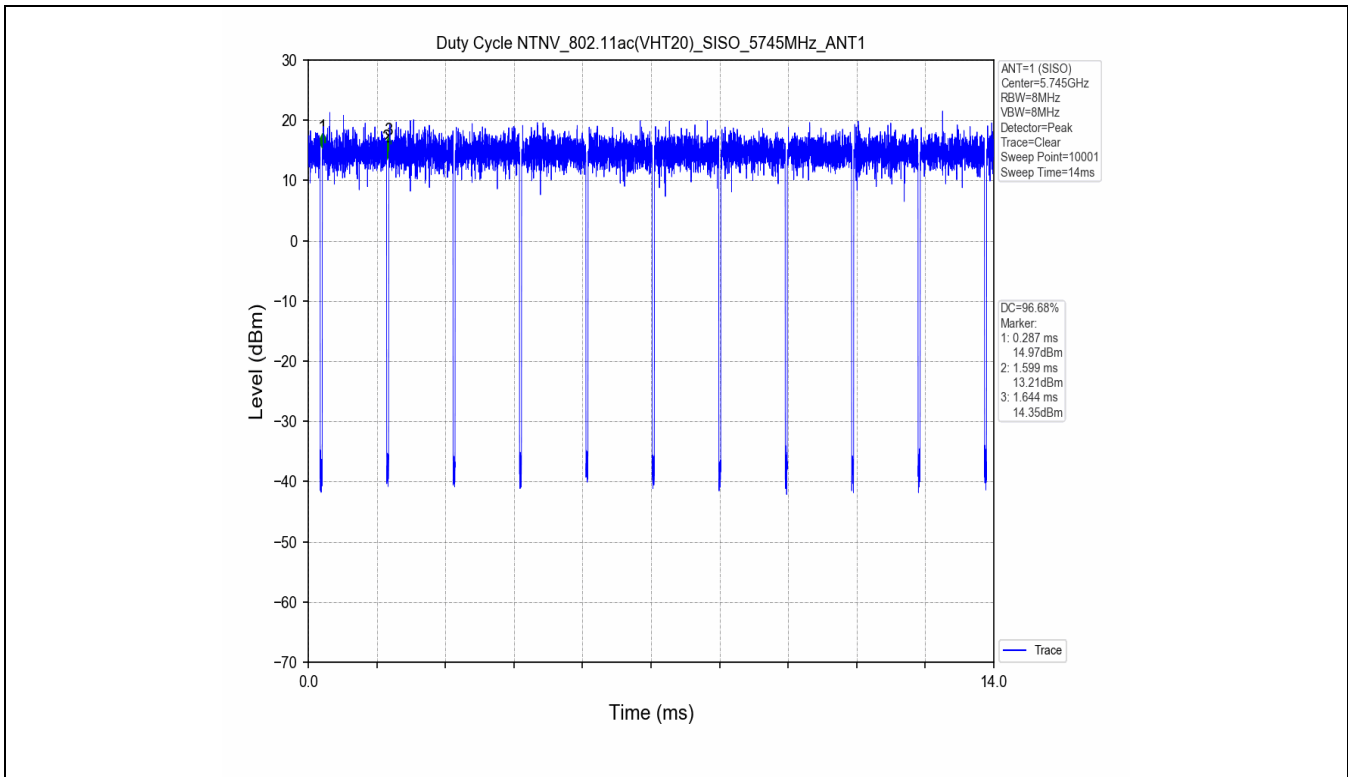


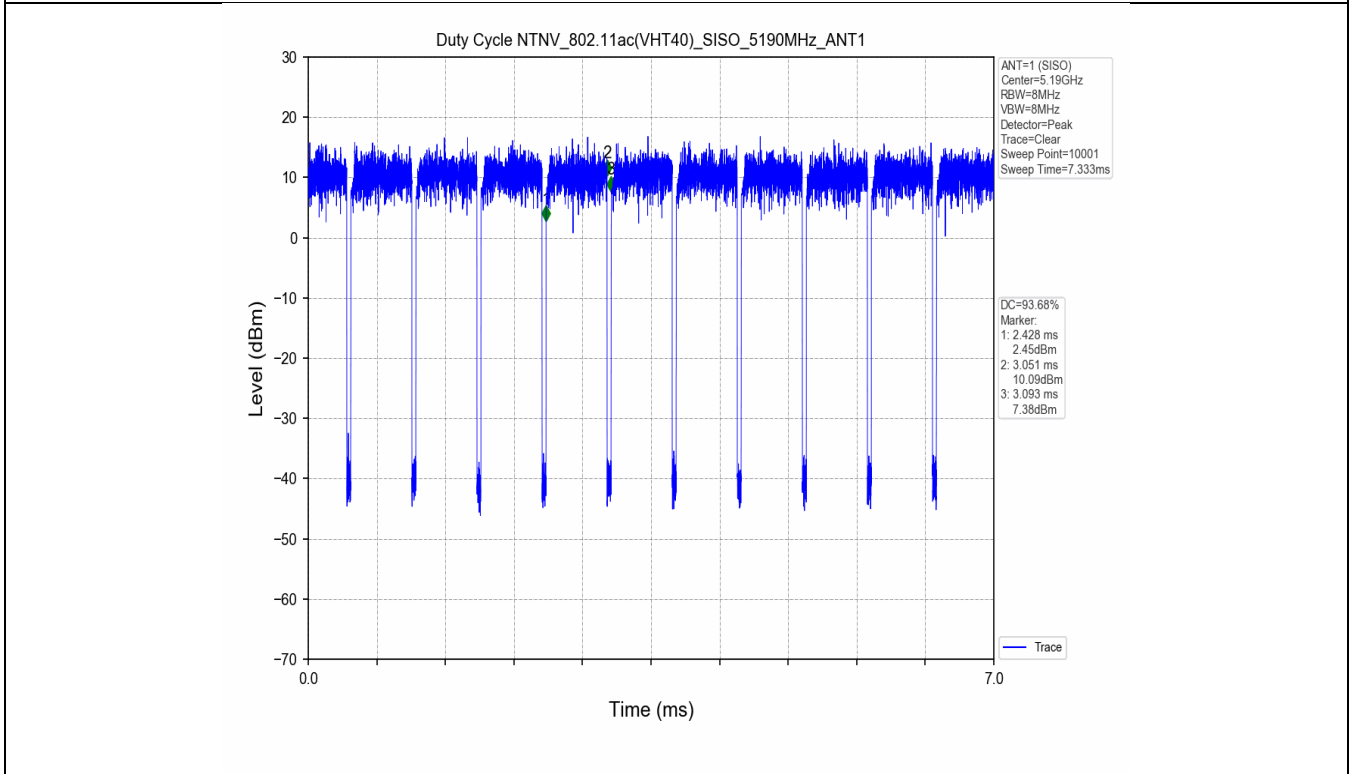
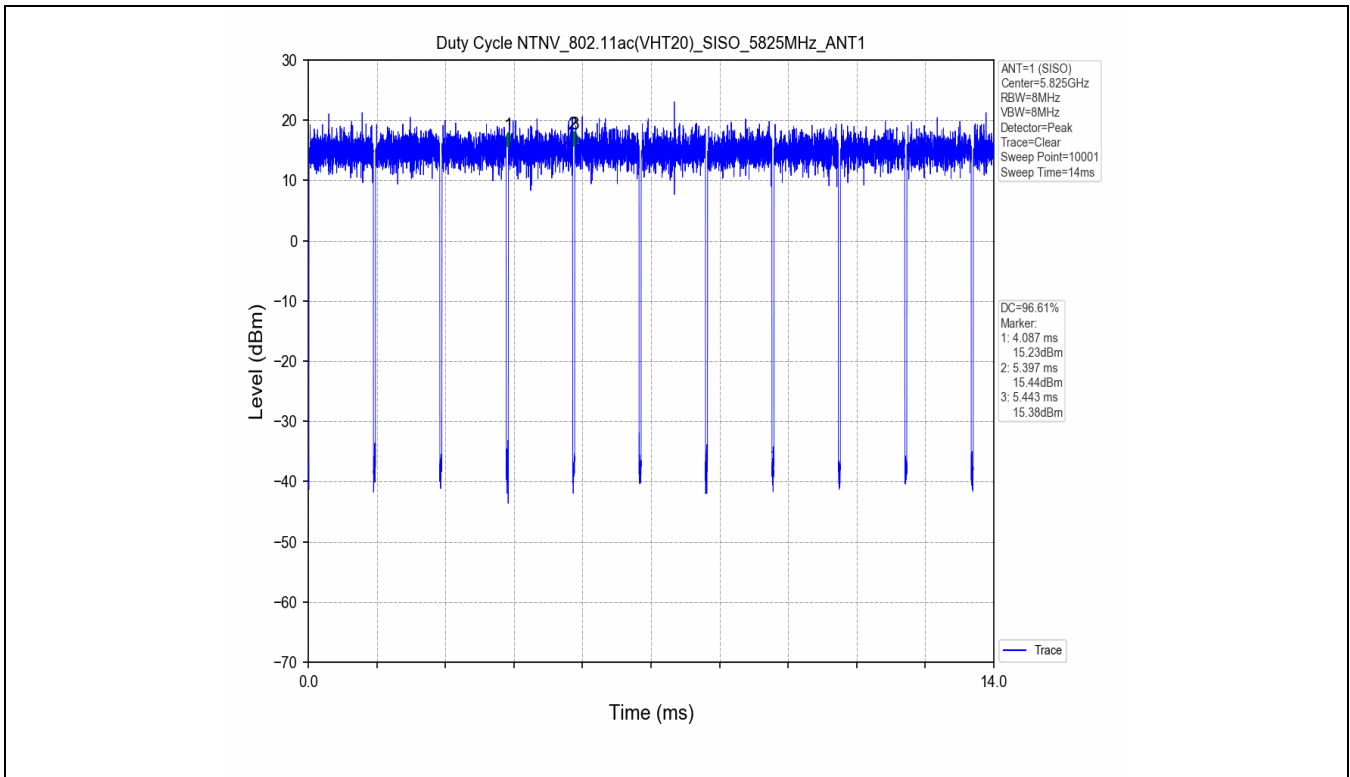


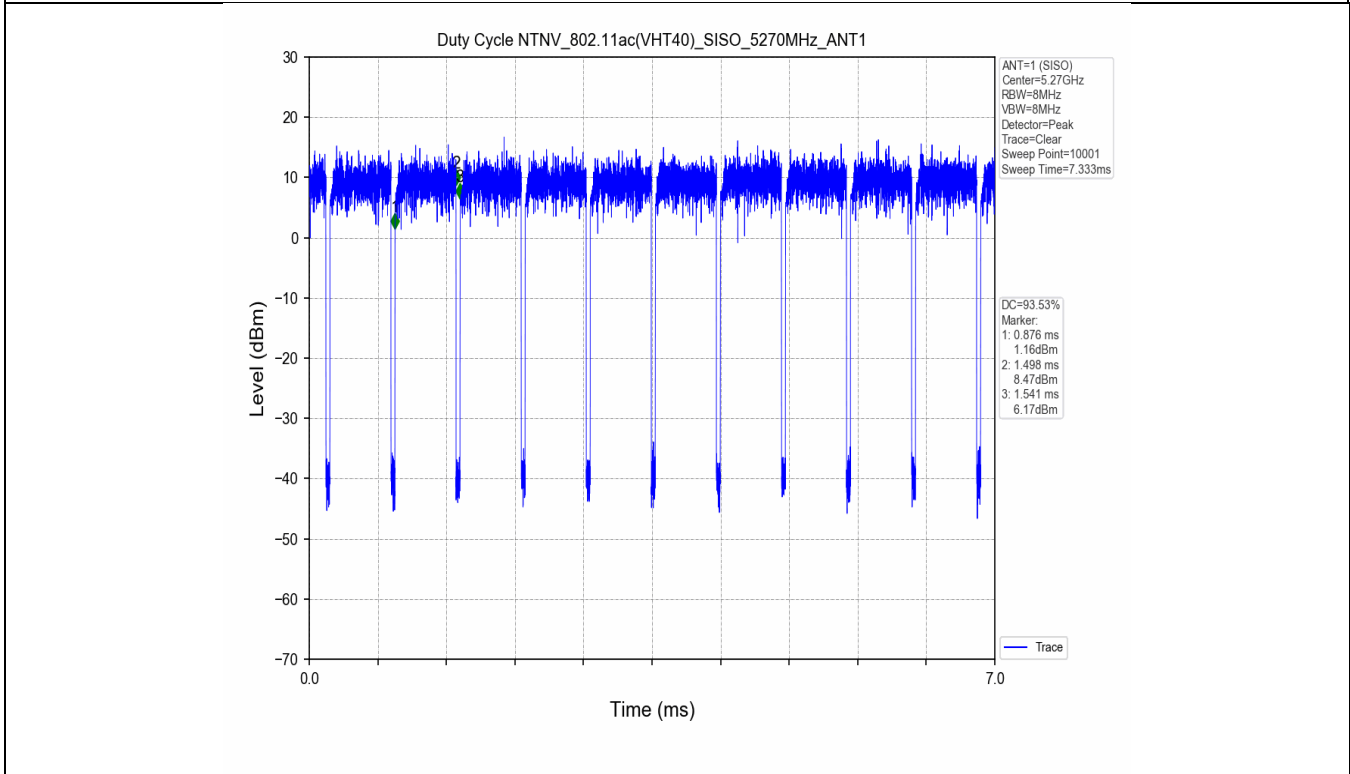
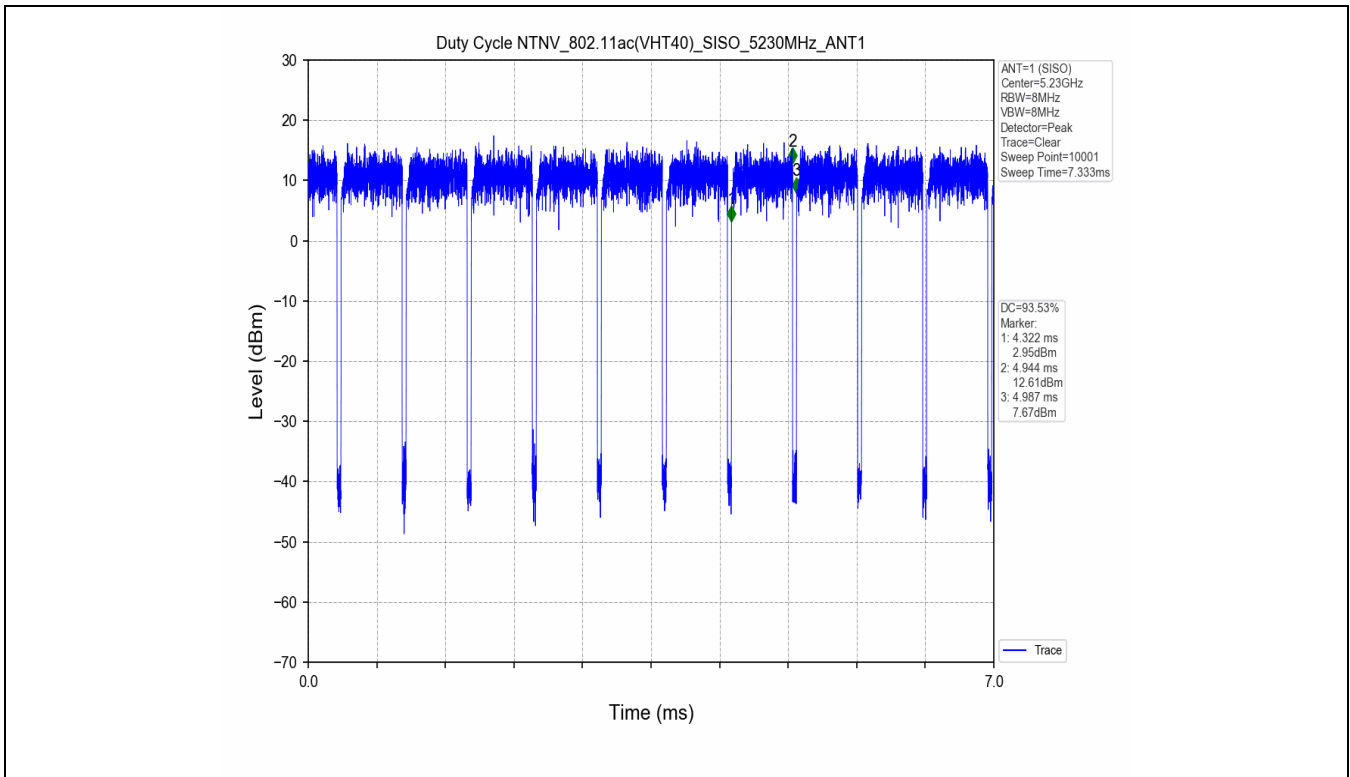


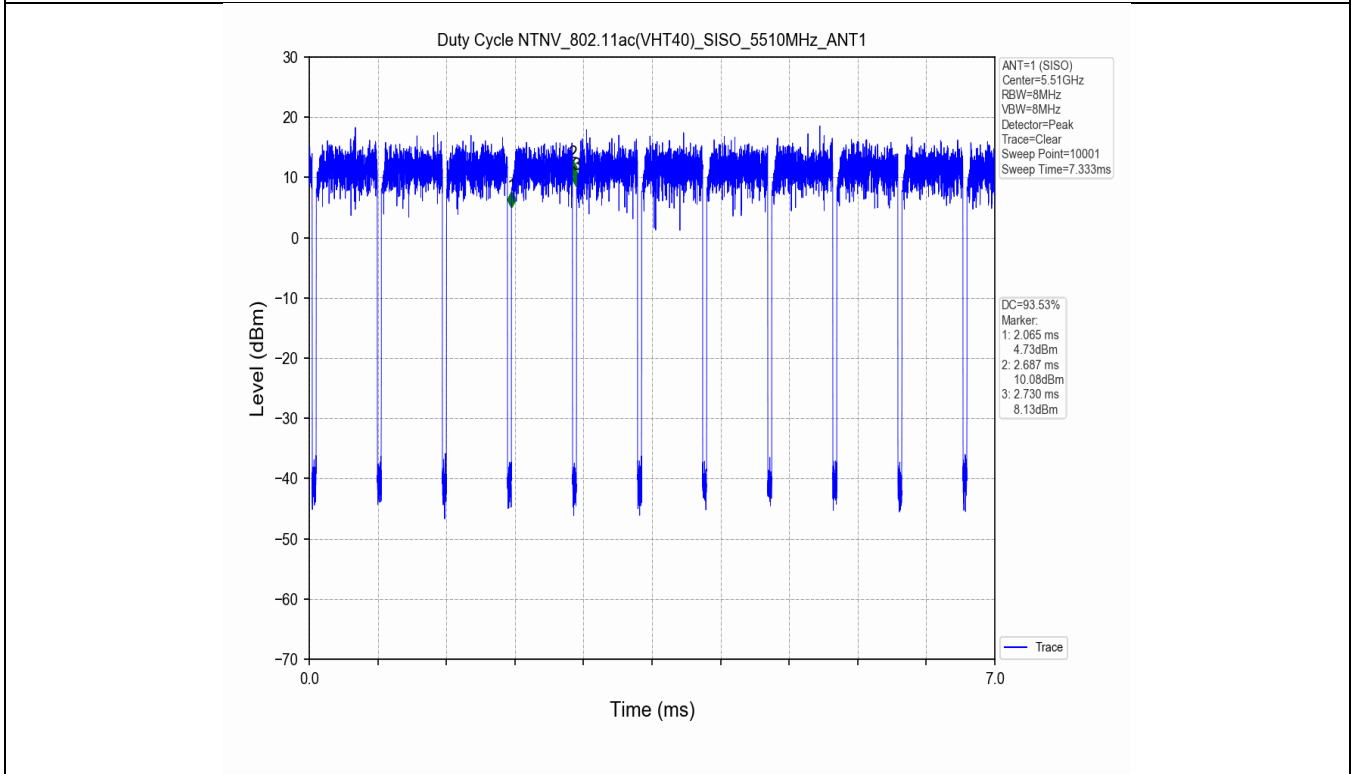
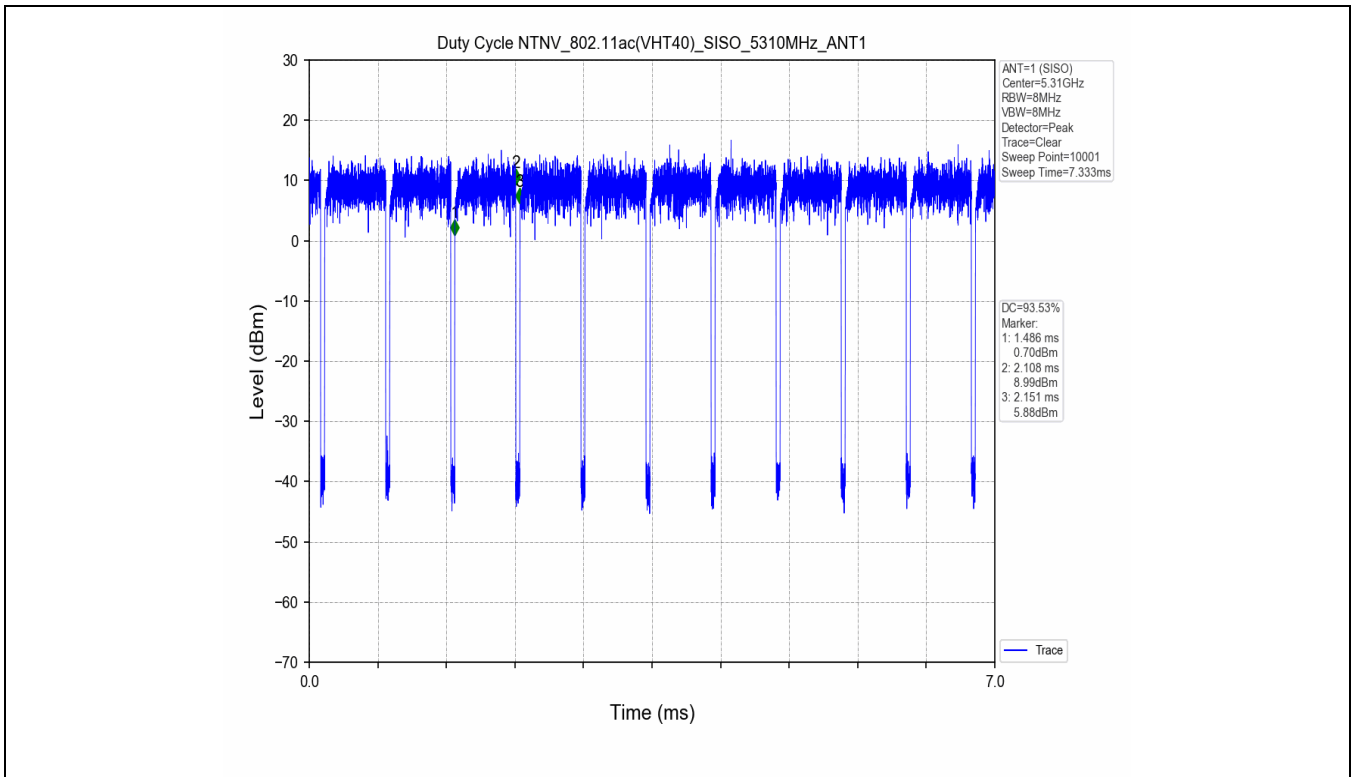


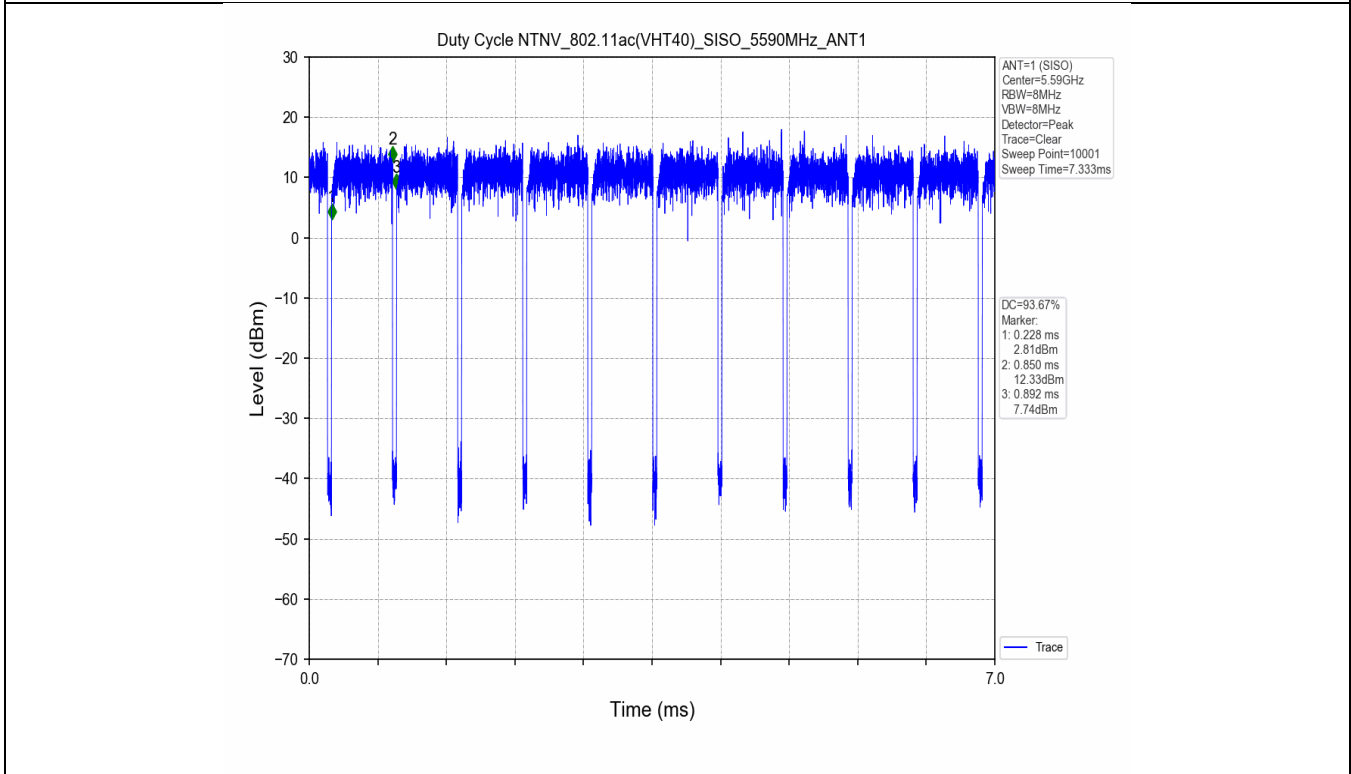
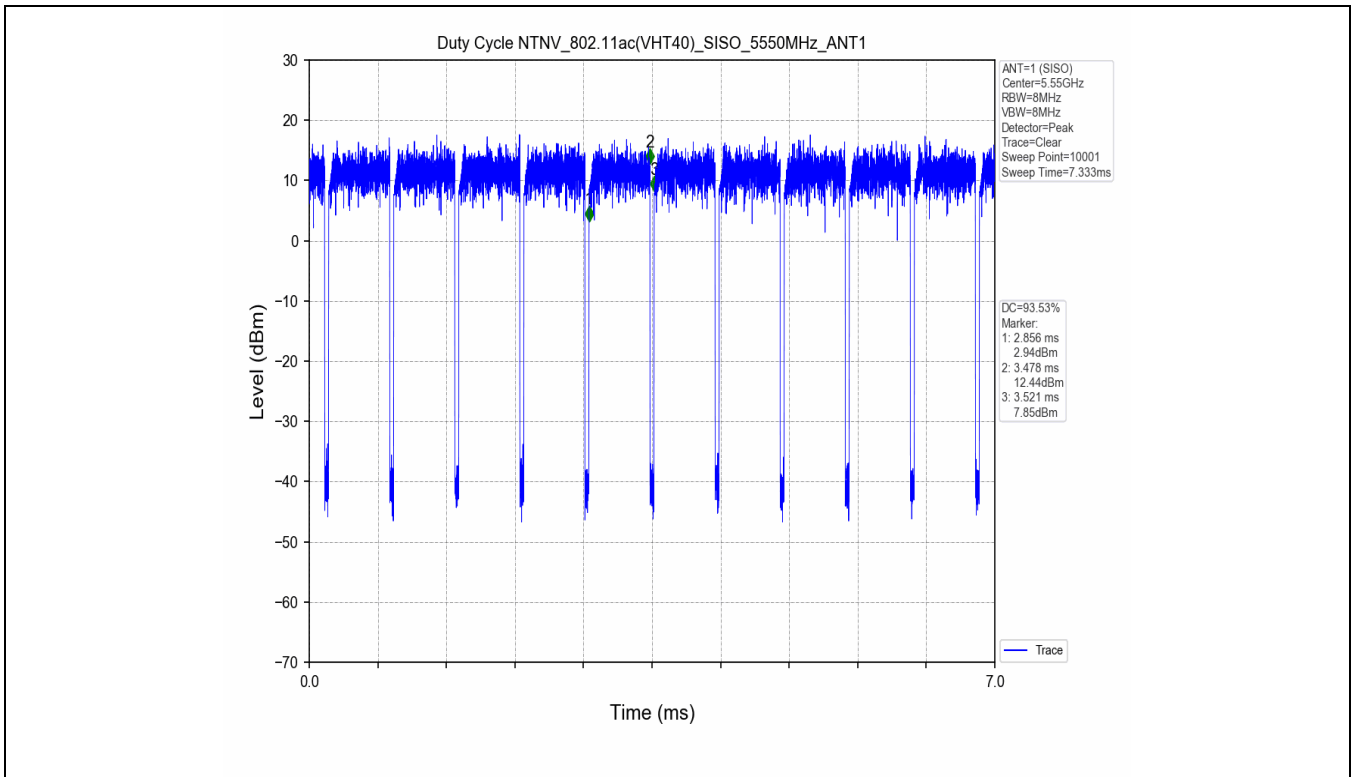


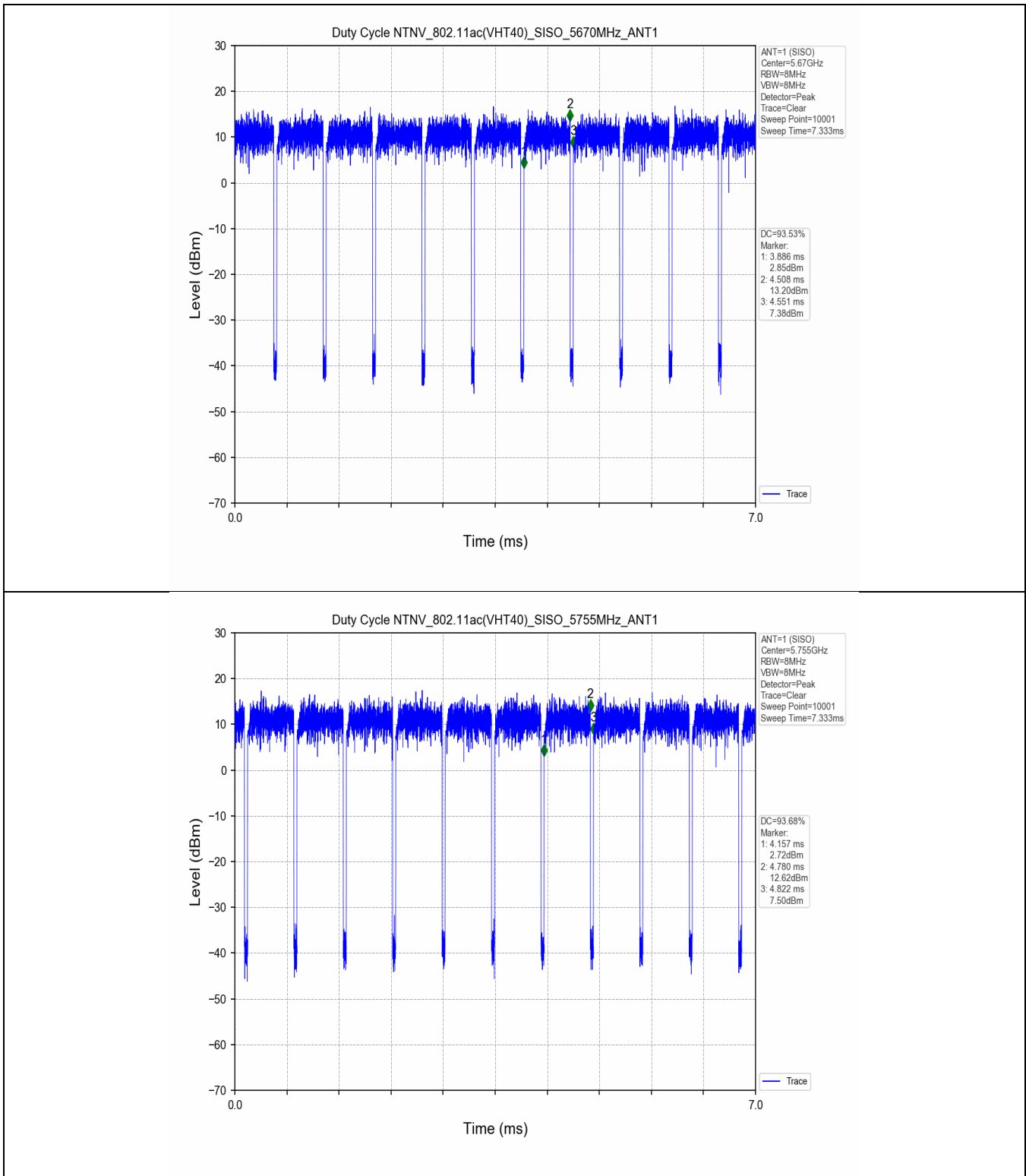


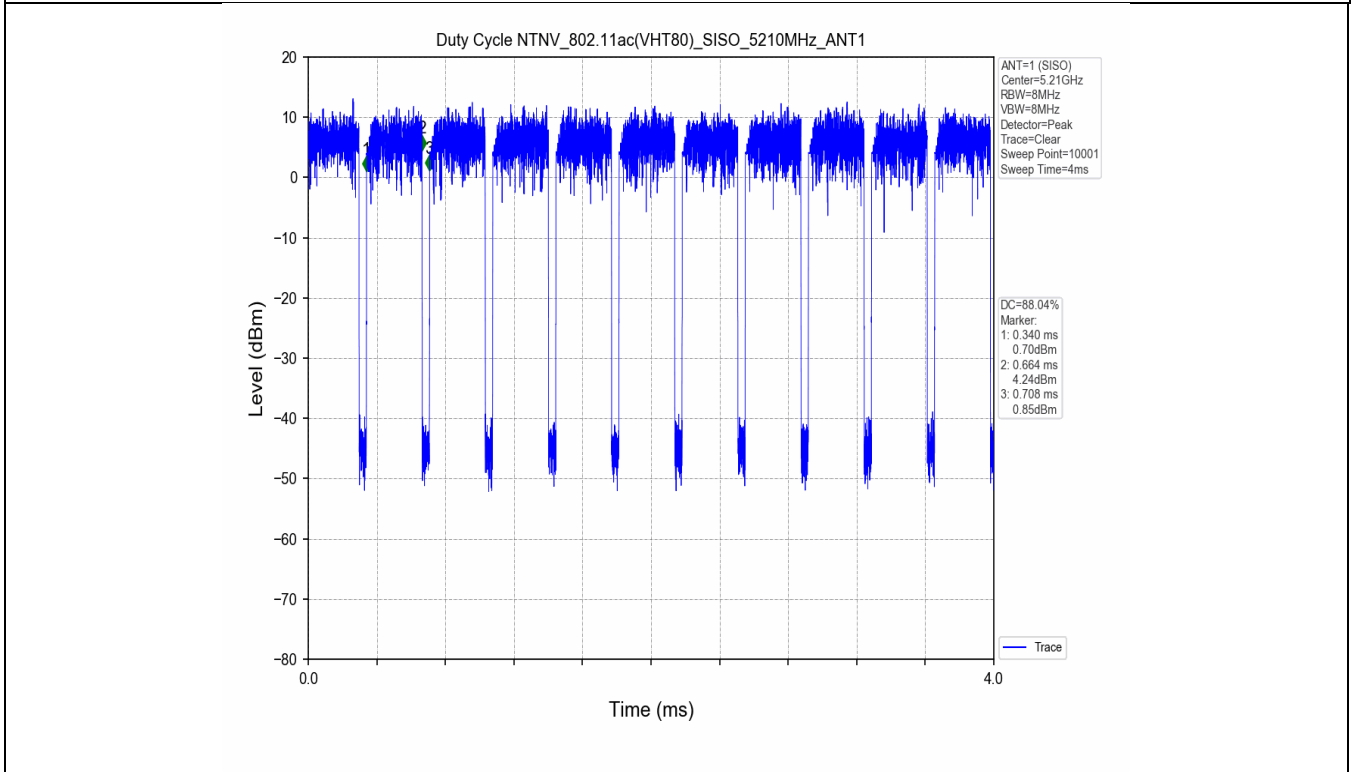
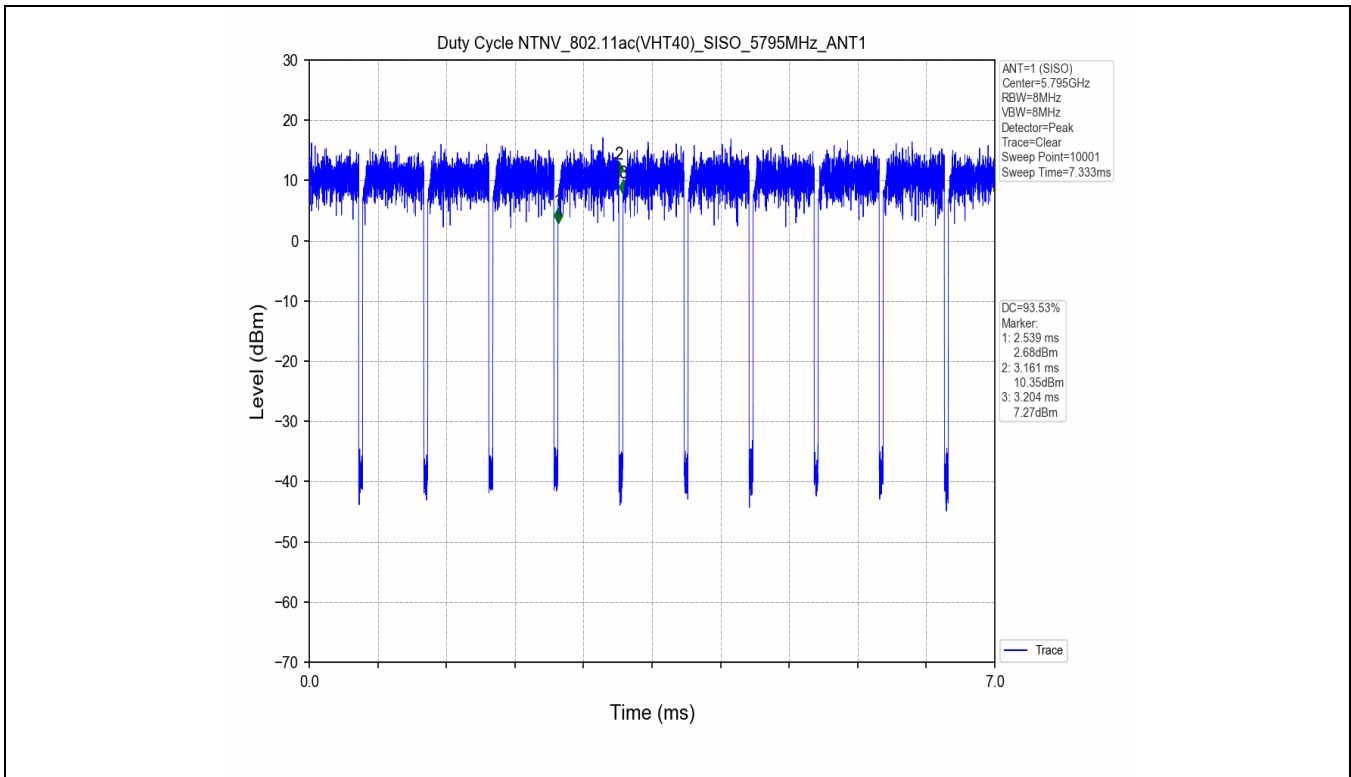


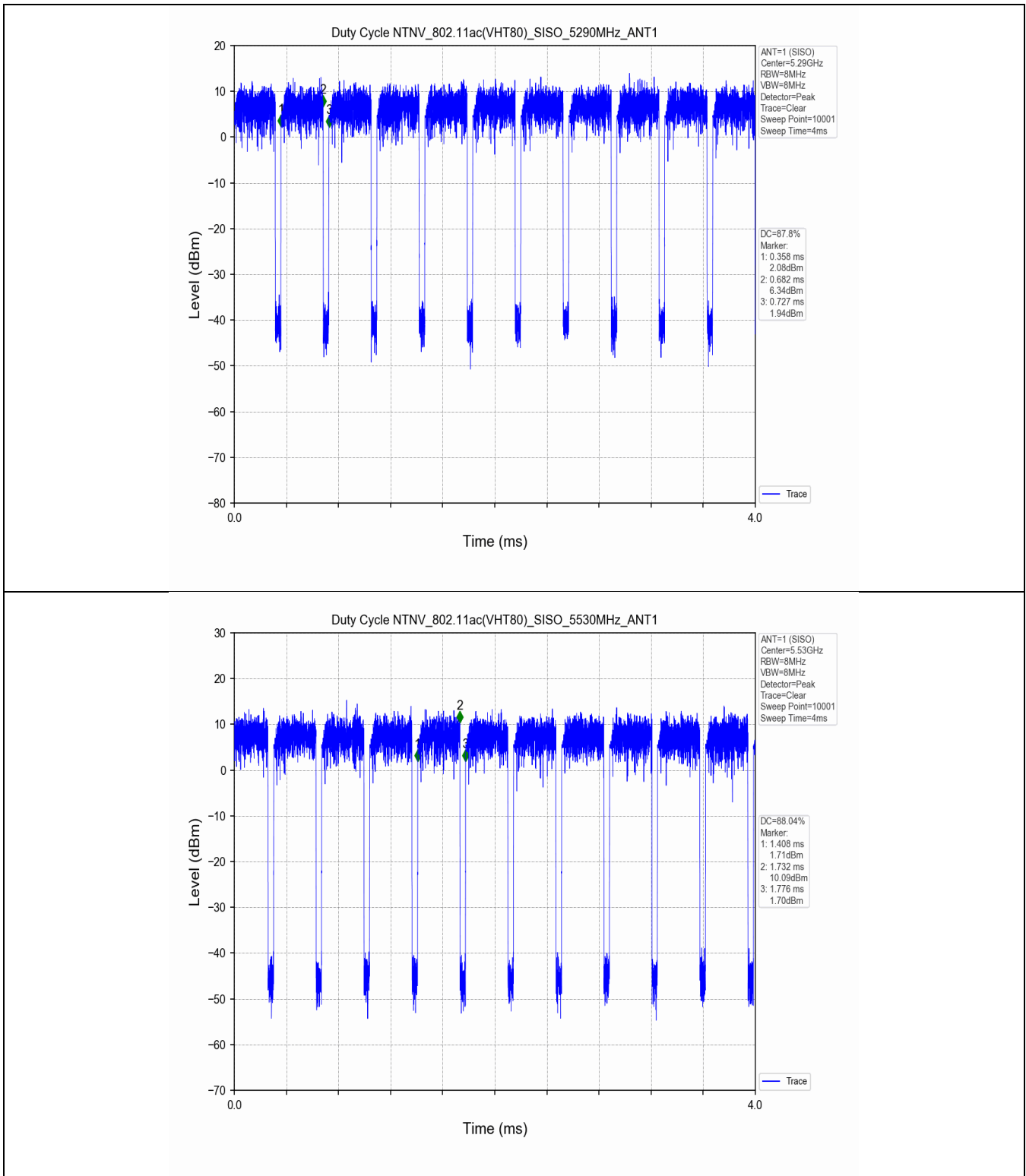


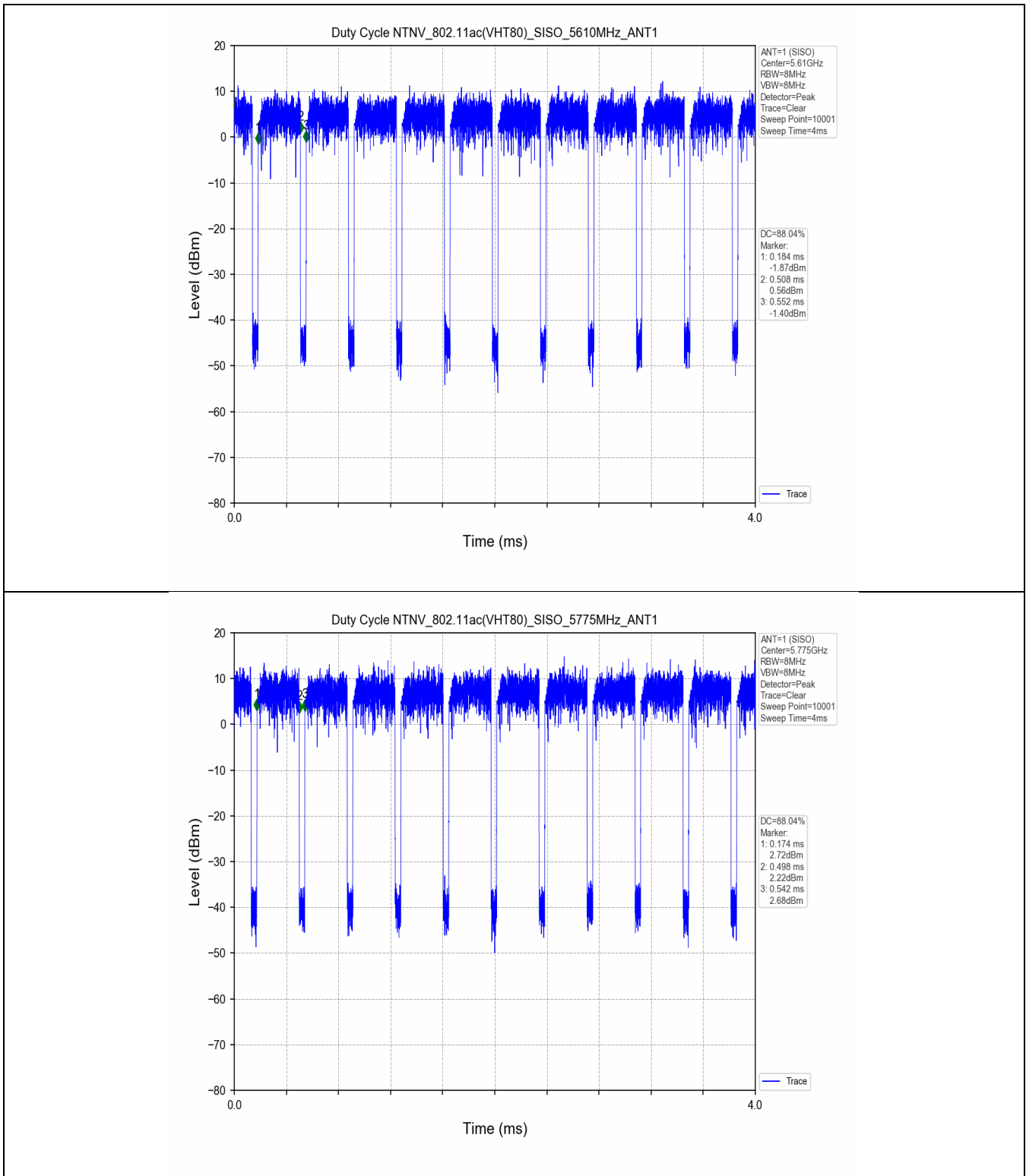












2. Bandwidth

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
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	(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
5825	SISO	1	17.664	Only for Report Use	
802.11n(HT40)	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
	5825	SISO	1	17.665	Only for Report Use
802.11ac(VHT40)	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
	5755	SISO	1	36.162	Only for Report Use
5795	SISO	1	36.069	Only for Report Use	
802.11ac(VHT80)	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

