

Appendix D for KSEM200800098004

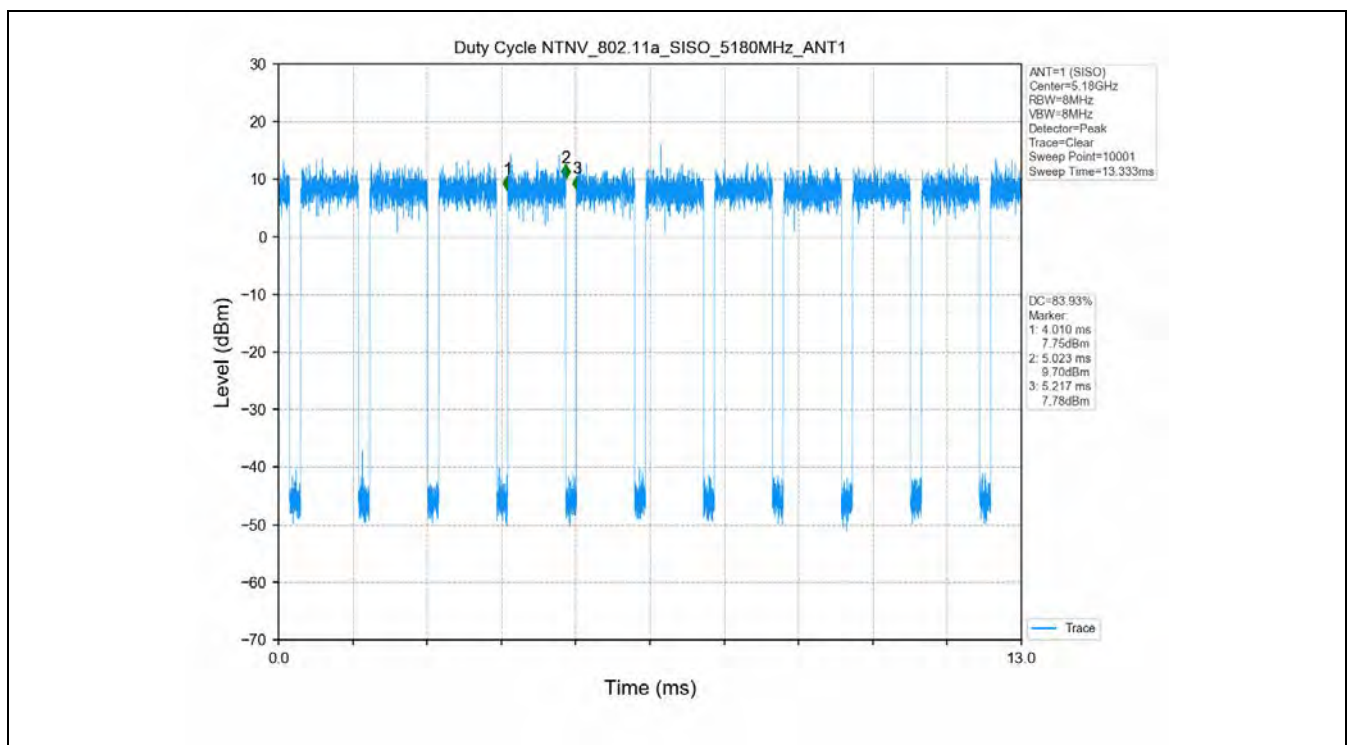
1. Duty Cycle

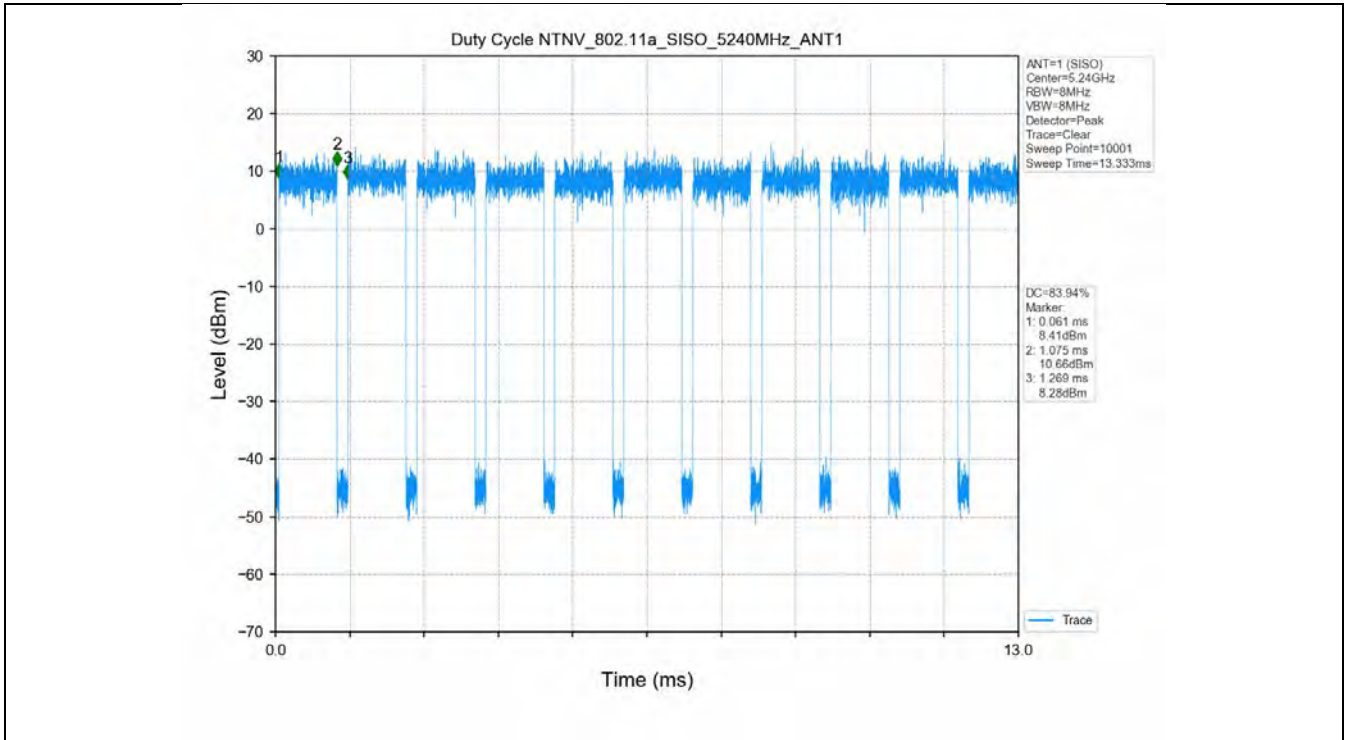
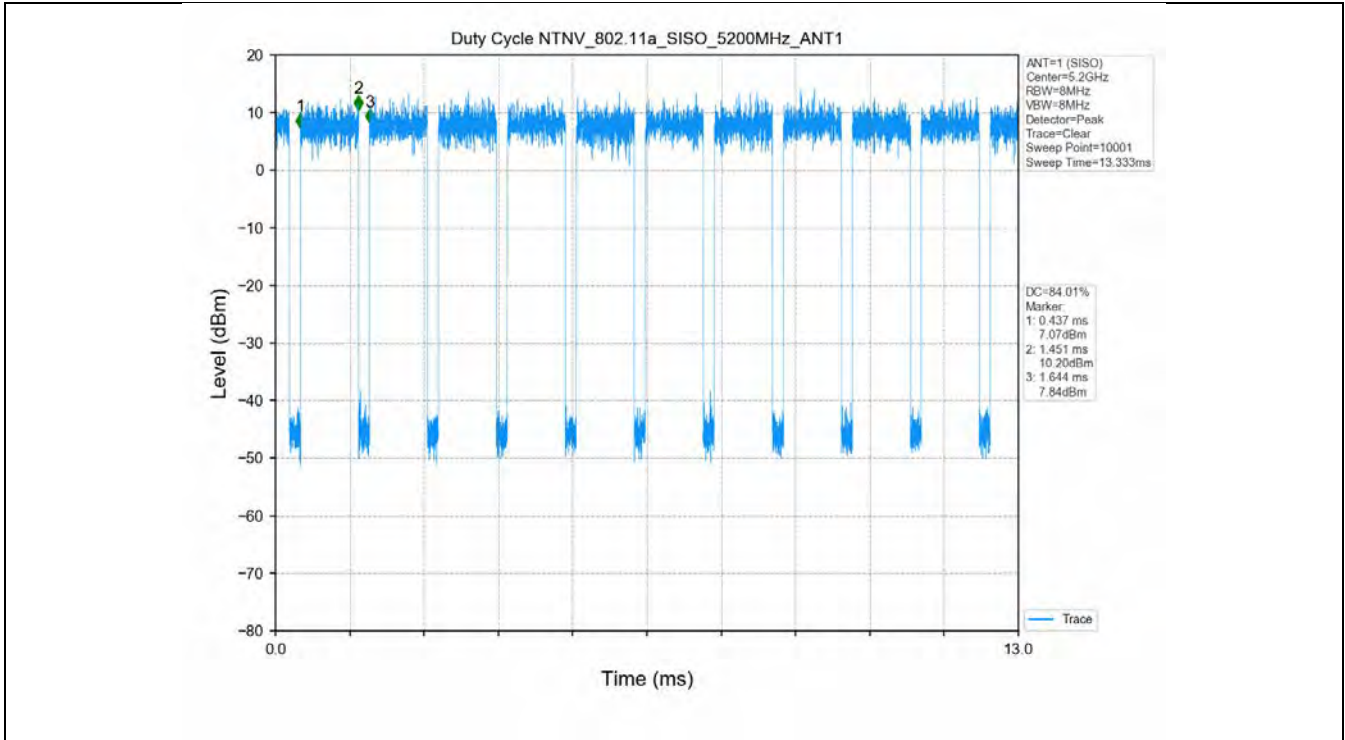
1.1 Test Result

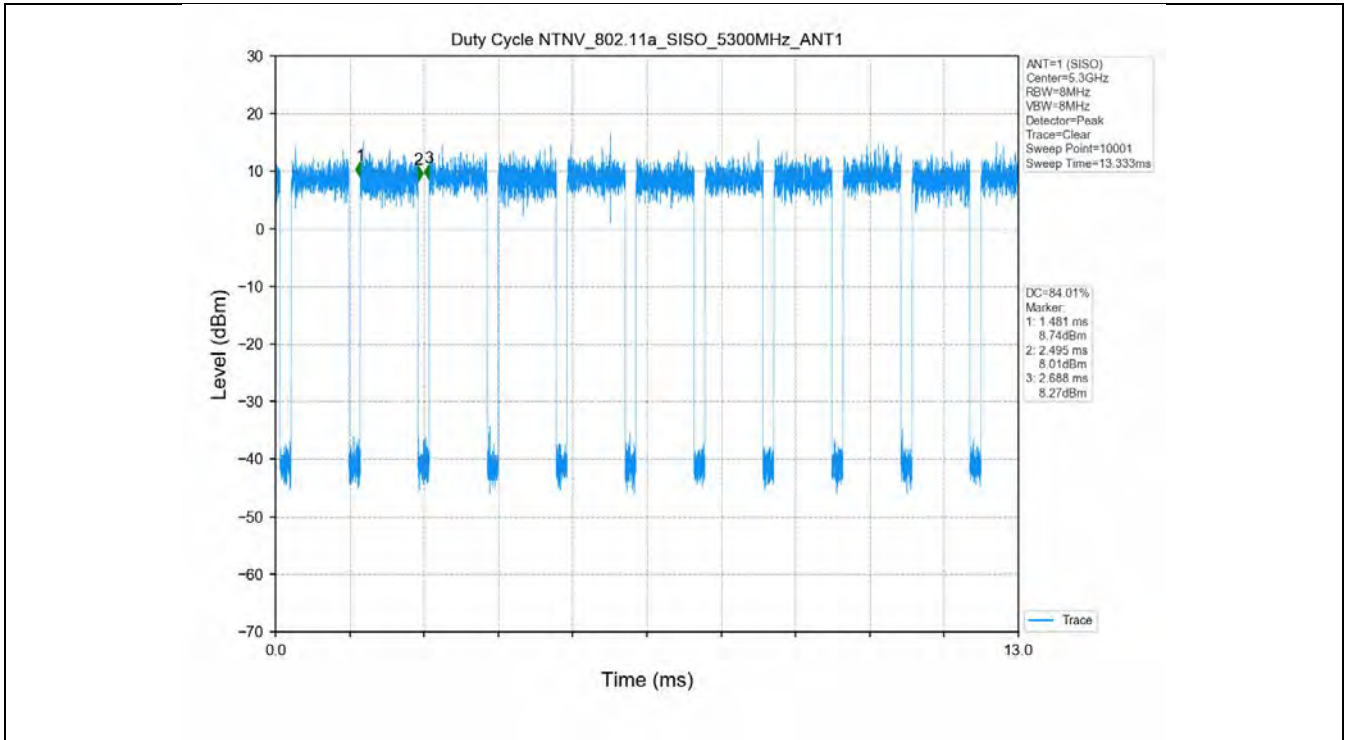
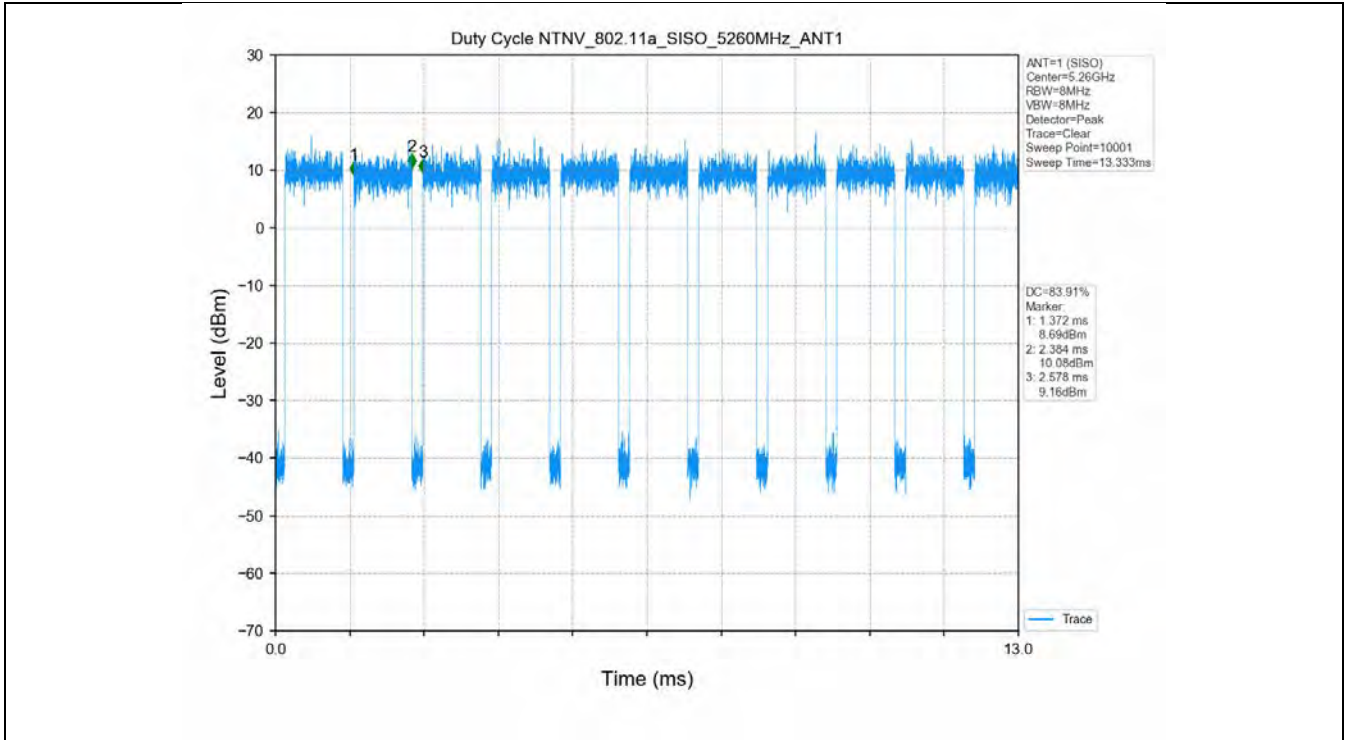
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.013	1.207	83.93	0.76
	5200	SISO	1	1.014	1.207	84.01	0.76
	5240	SISO	1	1.014	1.208	83.94	0.76
	5260	SISO	1	1.012	1.206	83.91	0.76
	5300	SISO	1	1.014	1.207	84.01	0.76
	5320	SISO	1	1.013	1.206	84.00	0.76
	5500	SISO	1	1.013	1.207	83.93	0.76
	5580	SISO	1	1.012	1.206	83.91	0.76
	5600	SISO	1	1.013	1.206	84.00	0.76
	5700	SISO	1	1.013	1.206	84.00	0.76
	5745	SISO	1	1.013	1.207	83.93	0.76
	5785	SISO	1	1.012	1.206	83.91	0.76
	5825	SISO	1	1.012	1.206	83.91	0.76
802.11n(HT20)	5180	SISO	1	0.975	1.173	83.12	0.80
	5200	SISO	1	0.975	1.175	82.98	0.81
	5240	SISO	1	0.974	1.173	83.03	0.81
	5260	SISO	1	0.975	1.174	83.05	0.81
	5300	SISO	1	0.976	1.175	83.06	0.81
	5320	SISO	1	0.976	1.175	83.06	0.81
	5500	SISO	1	0.975	1.174	83.05	0.81
	5580	SISO	1	0.976	1.175	83.06	0.81
	5600	SISO	1	0.975	1.174	83.05	0.81
	5700	SISO	1	0.976	1.175	83.06	0.81
	5745	SISO	1	0.975	1.175	82.98	0.81
	5785	SISO	1	0.976	1.174	83.13	0.80
	5825	SISO	1	0.975	1.174	83.05	0.81
802.11n(HT40)	5190	SISO	1	0.465	0.655	70.99	1.49
	5230	SISO	1	0.465	0.656	70.88	1.49
	5270	SISO	1	0.466	0.656	71.04	1.48
	5310	SISO	1	0.465	0.655	70.99	1.49
	5510	SISO	1	0.488	0.528	92.42	0.34
	5550	SISO	1	0.466	0.656	71.04	1.48
	5590	SISO	1	0.465	0.656	70.88	1.49
	5670	SISO	1	0.466	0.656	71.04	1.48
	5755	SISO	1	0.466	0.656	71.04	1.48
	5795	SISO	1	0.465	0.656	70.88	1.49
802.11ac(VHT20)	5180	SISO	1	0.975	1.174	83.05	0.81
	5200	SISO	1	0.975	1.175	82.98	0.81
	5240	SISO	1	0.975	1.175	82.98	0.81
	5260	SISO	1	0.976	1.174	83.13	0.80
	5300	SISO	1	0.976	1.175	83.06	0.81
	5320	SISO	1	0.976	1.175	83.06	0.81
	5500	SISO	1	0.975	1.174	83.05	0.81
	5580	SISO	1	0.976	1.175	83.06	0.81
	5600	SISO	1	0.975	1.175	82.98	0.81
	5700	SISO	1	0.976	1.174	83.13	0.80
	5745	SISO	1	0.976	1.175	83.06	0.81
	5785	SISO	1	0.975	1.174	83.05	0.81
	5825	SISO	1	0.975	1.173	83.12	0.80
802.11ac(VHT40)	5190	SISO	1	0.469	0.659	71.17	1.48

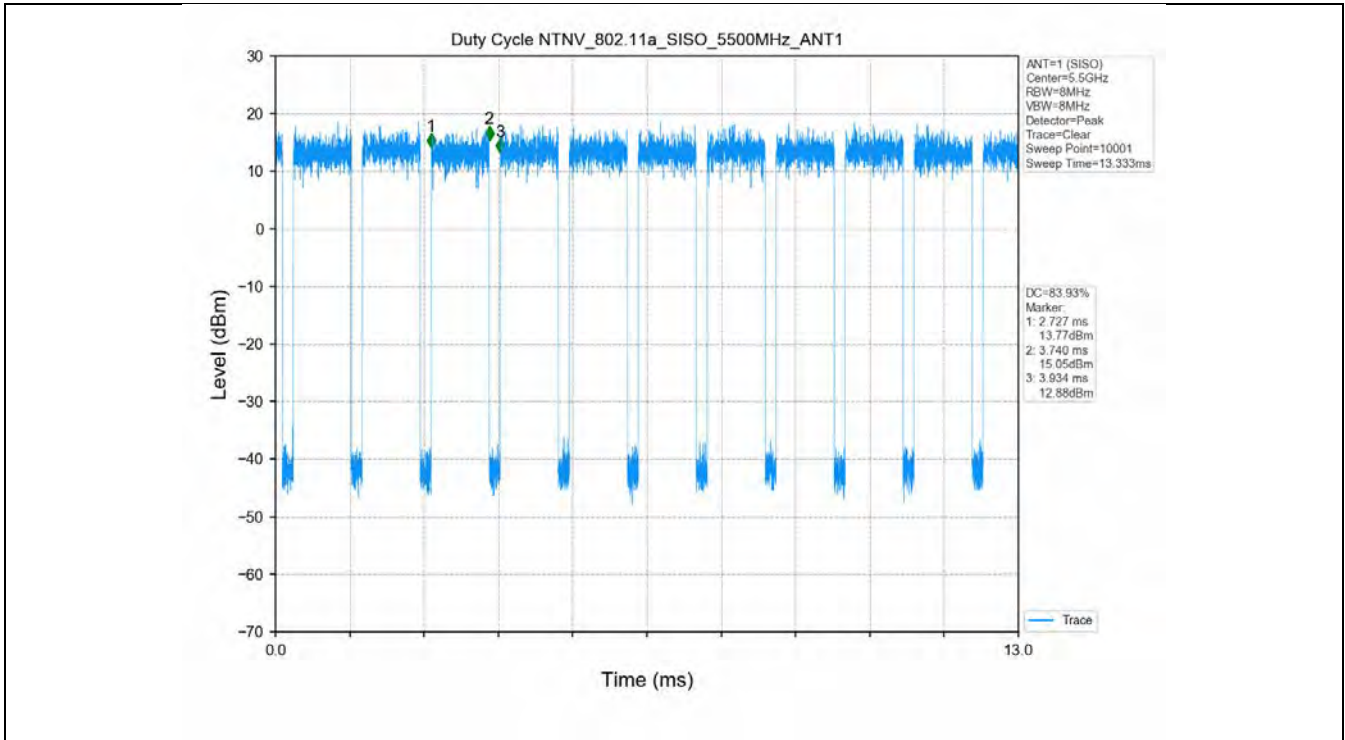
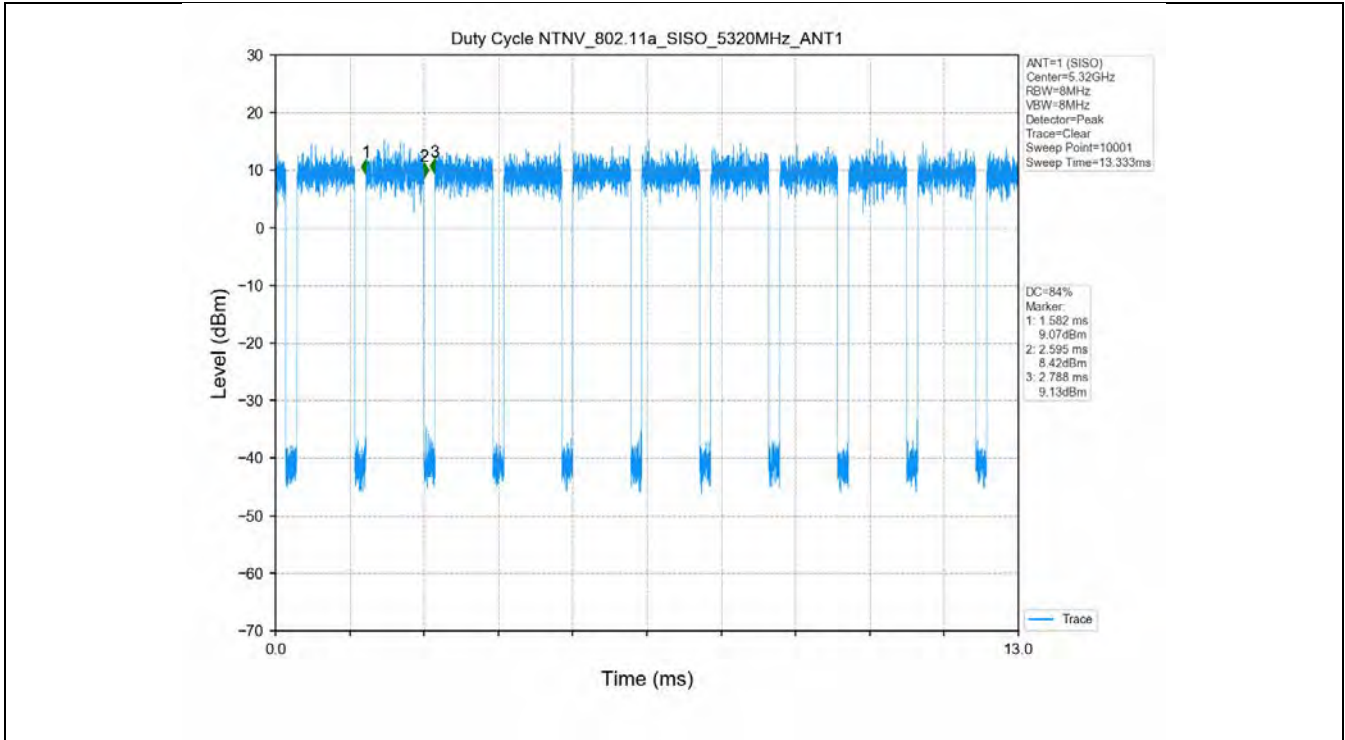
	5230	SISO	1	0.469	0.660	71.06	1.48
	5270	SISO	1	0.469	0.659	71.17	1.48
	5310	SISO	1	0.470	0.660	71.21	1.47
	5510	SISO	1	0.268	0.307	87.30	0.59
	5550	SISO	1	0.470	0.660	71.21	1.47
	5590	SISO	1	0.469	0.659	71.17	1.48
	5670	SISO	1	0.469	0.659	71.17	1.48
	5755	SISO	1	0.470	0.660	71.21	1.47
802.11ac(VHT80)	5210	SISO	1	0.248	0.448	55.36	2.57
	5290	SISO	1	0.248	0.448	55.36	2.57
	5530	SISO	1	0.248	0.448	55.36	2.57
	5610	SISO	1	0.249	0.448	55.58	2.55
	5775	SISO	1	0.248	0.288	86.11	0.65

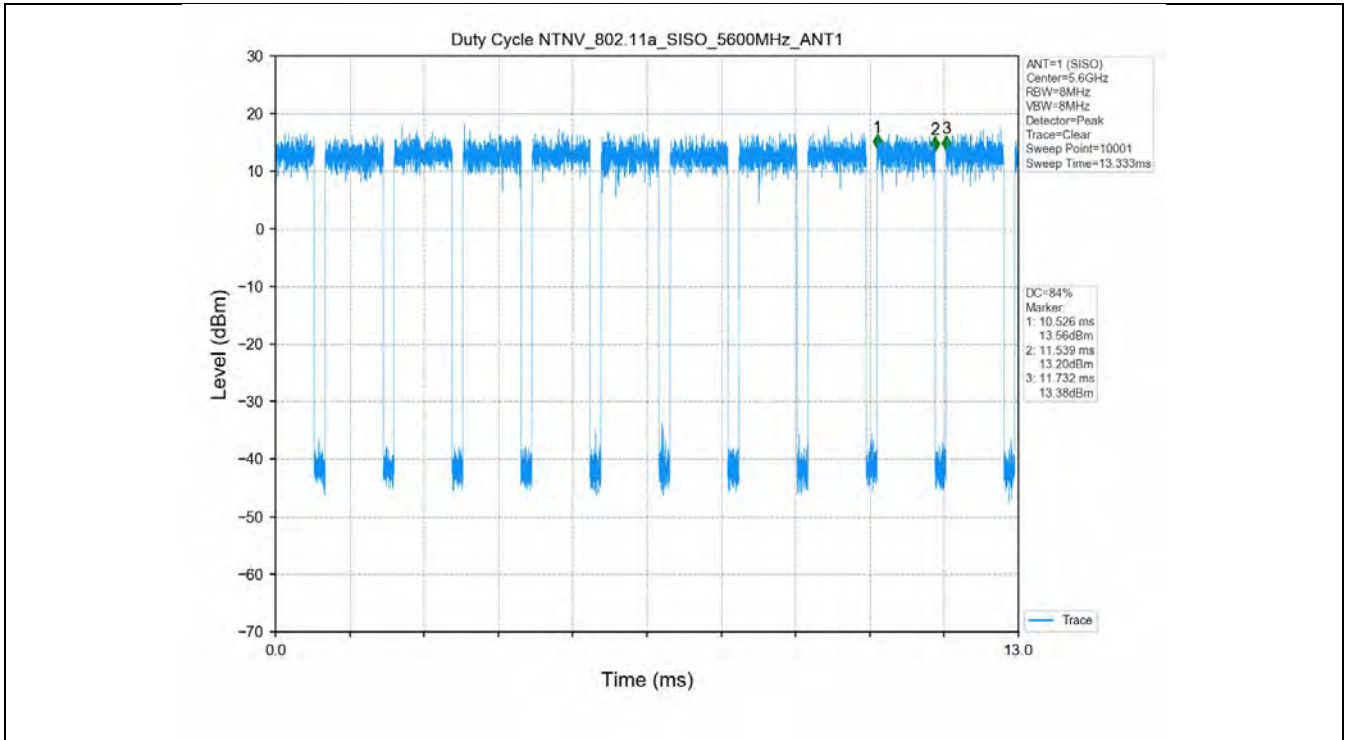
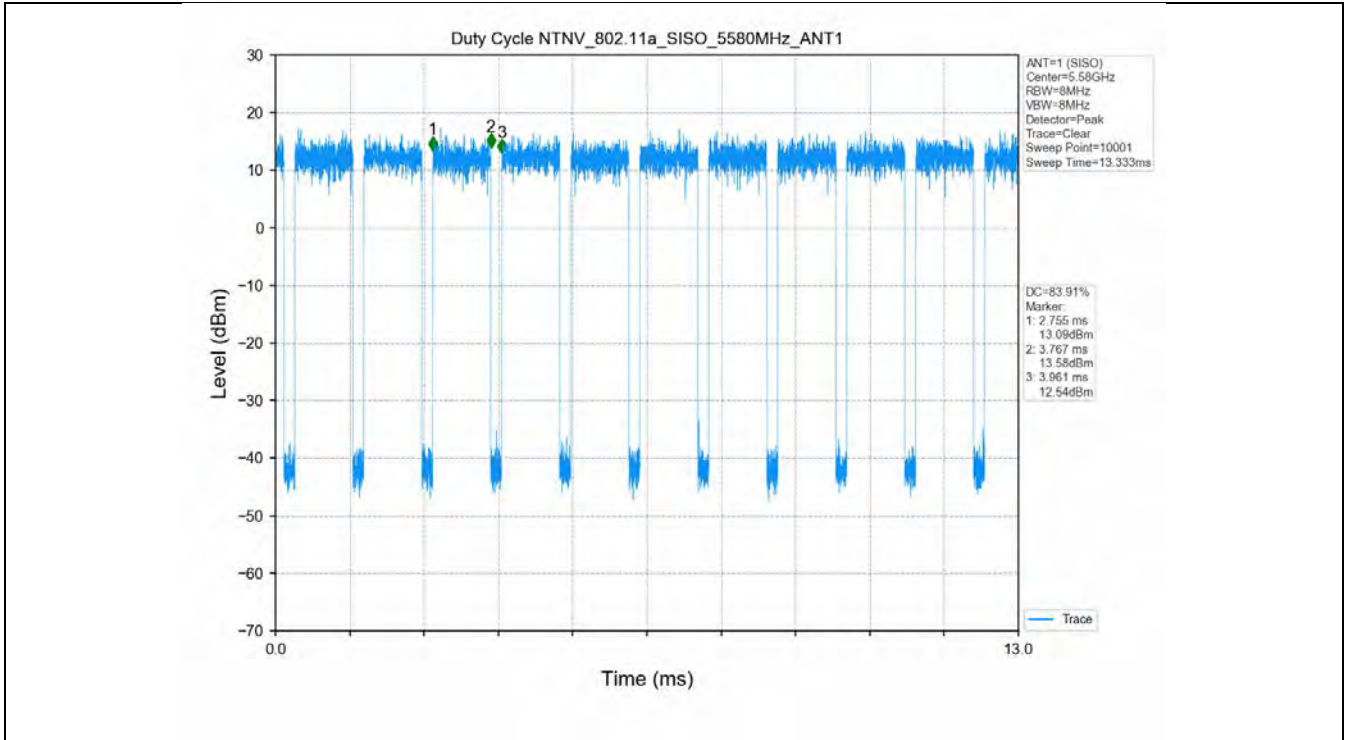
1.2 Test Graph

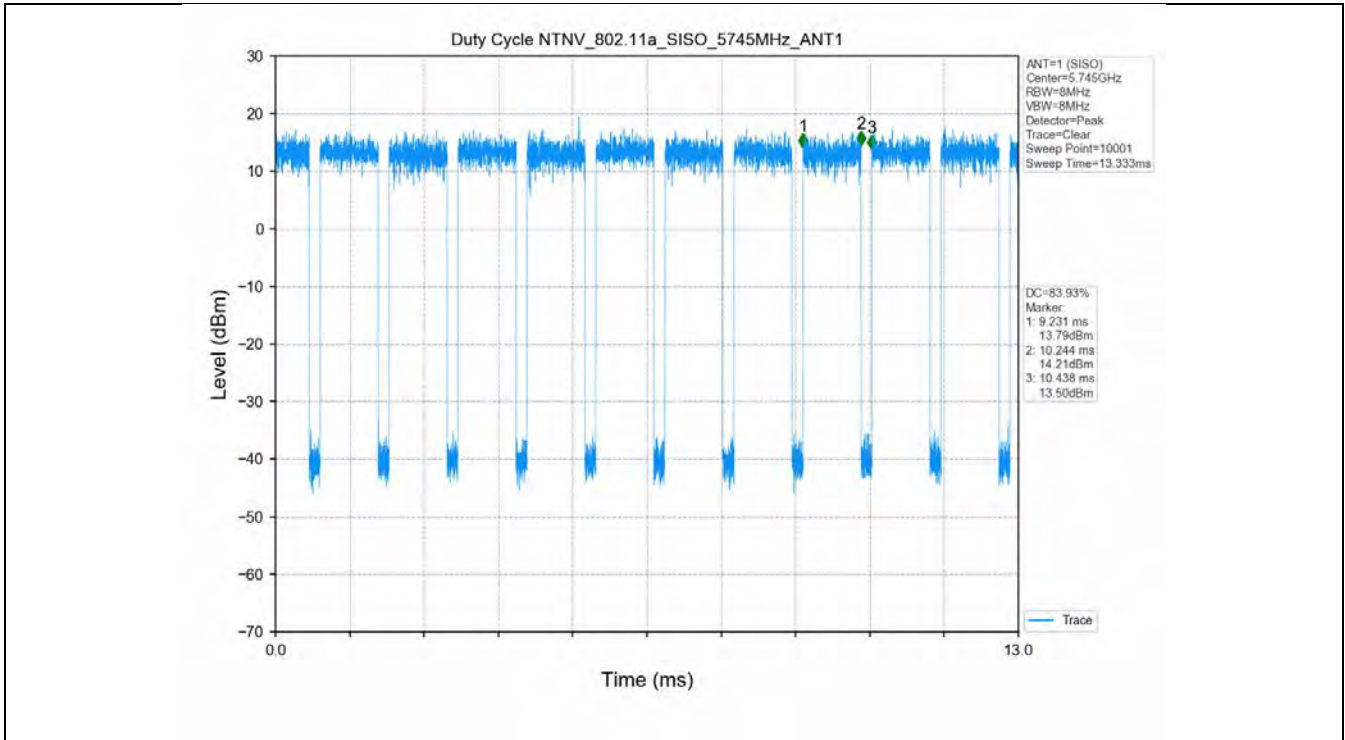
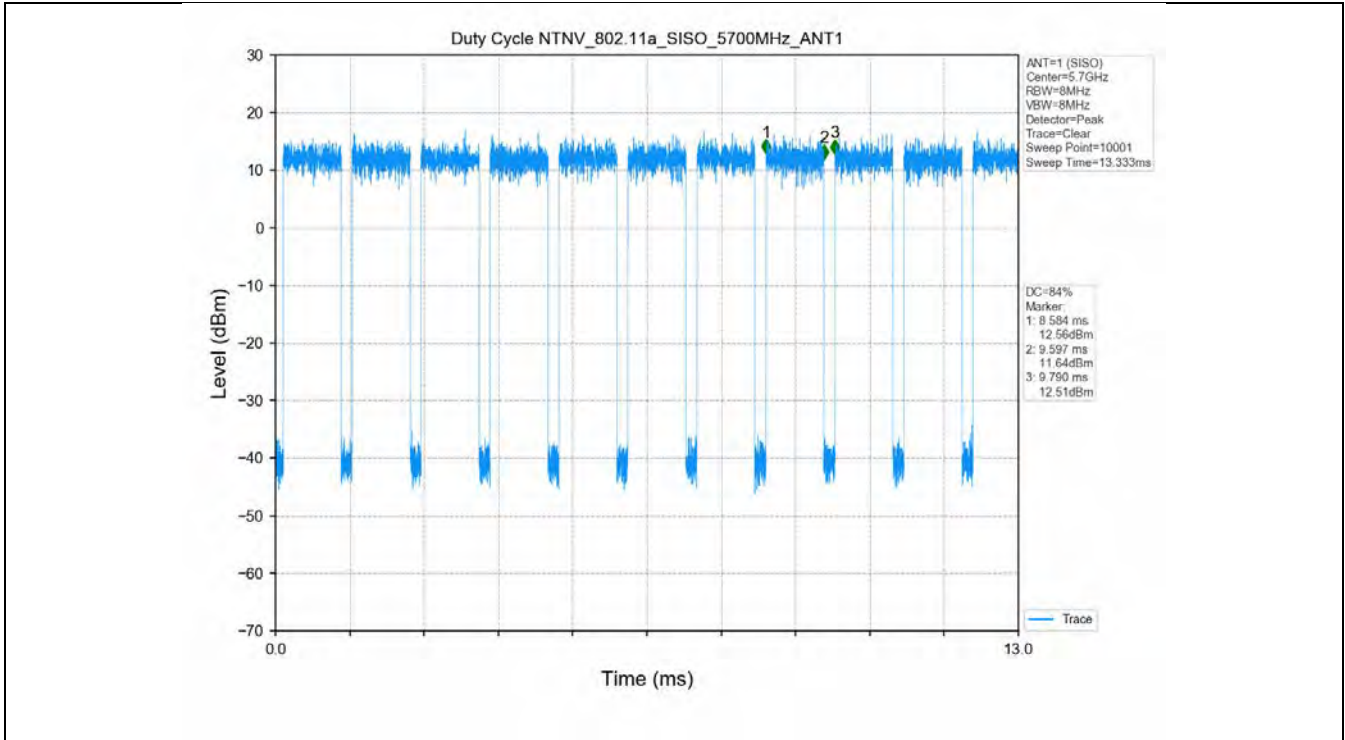


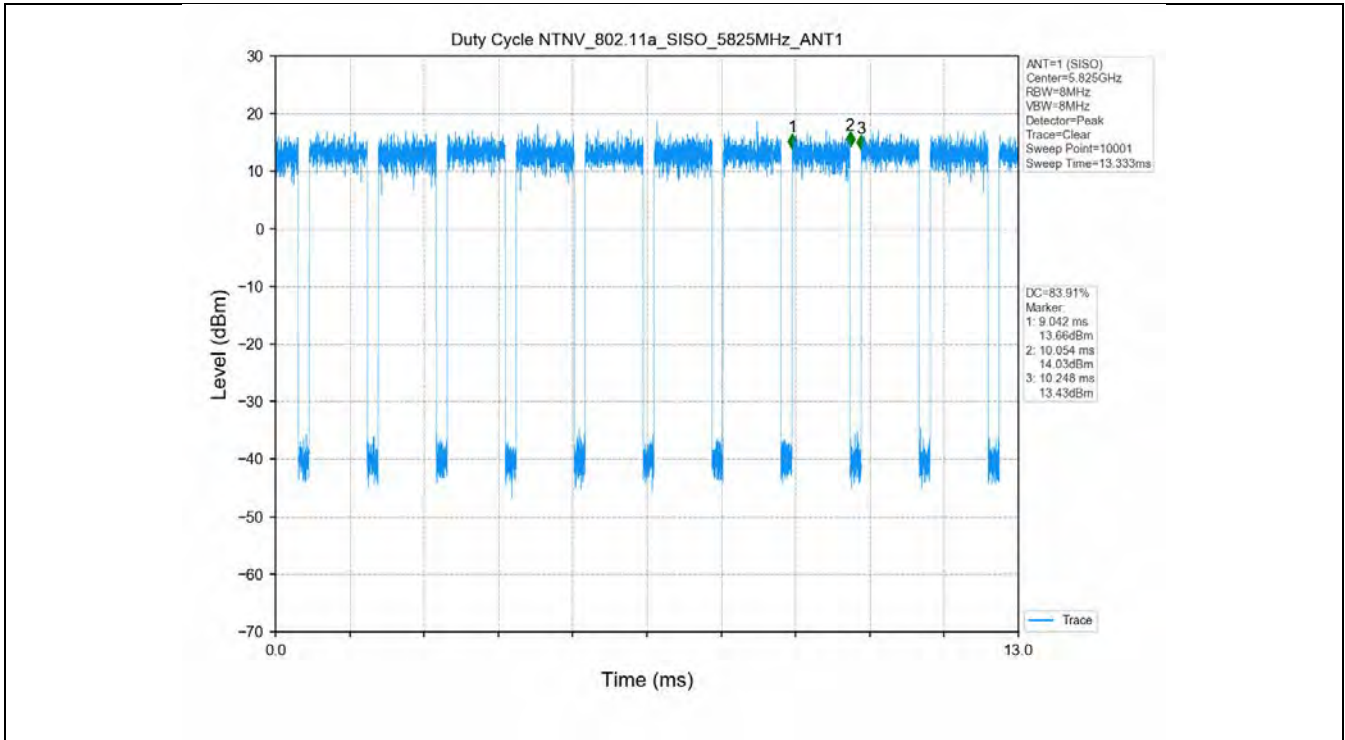
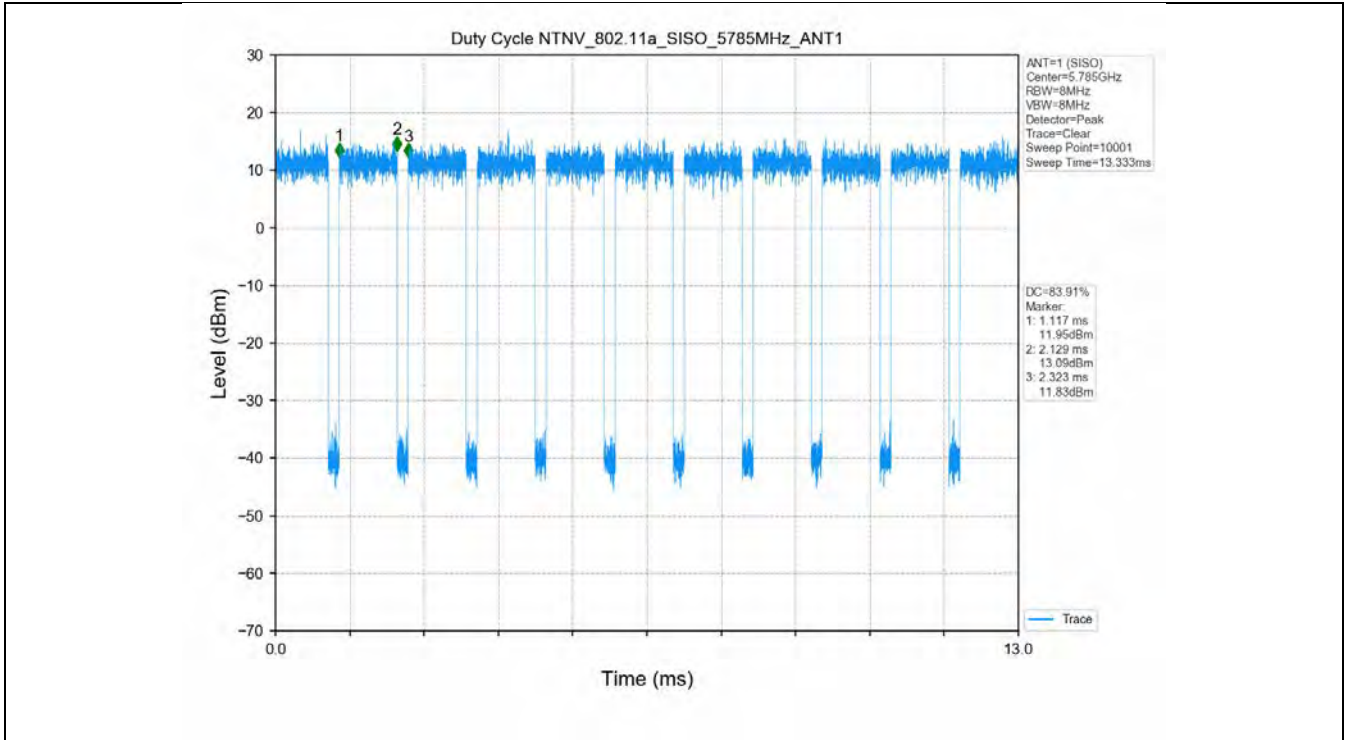


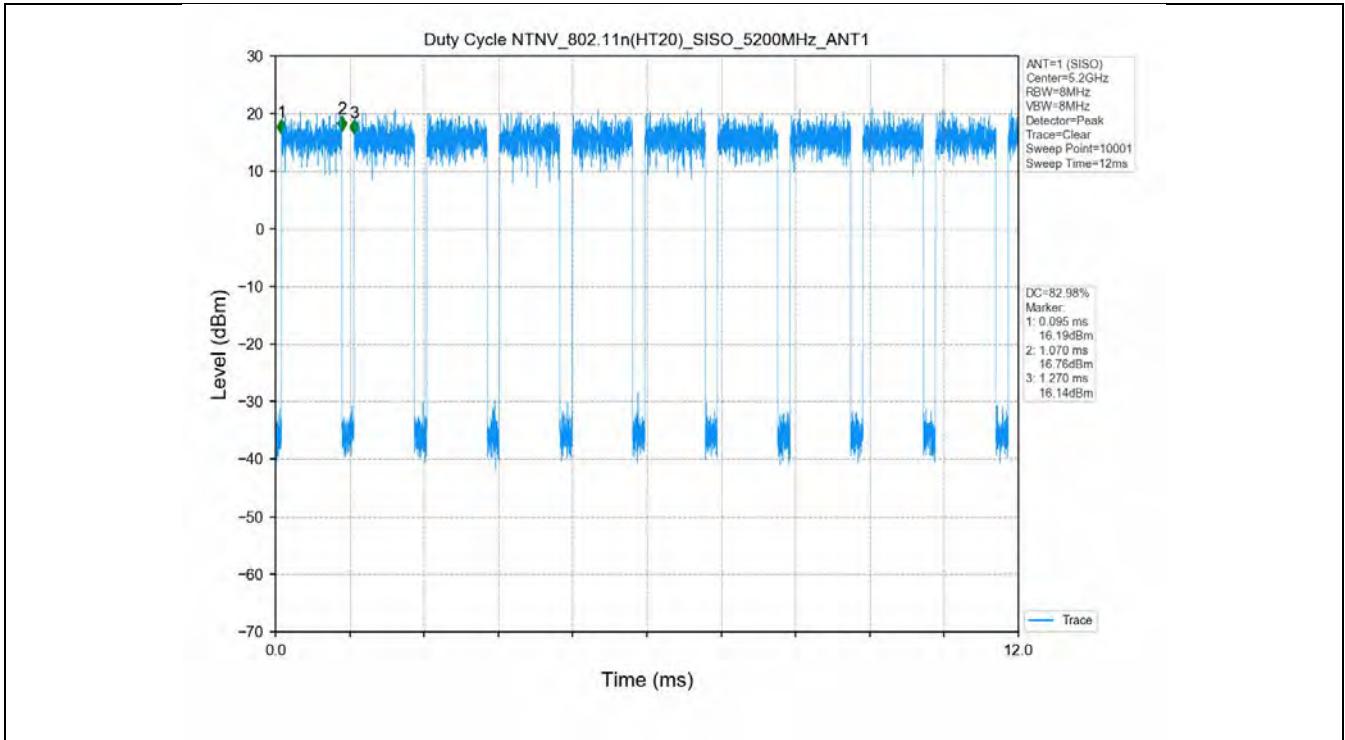
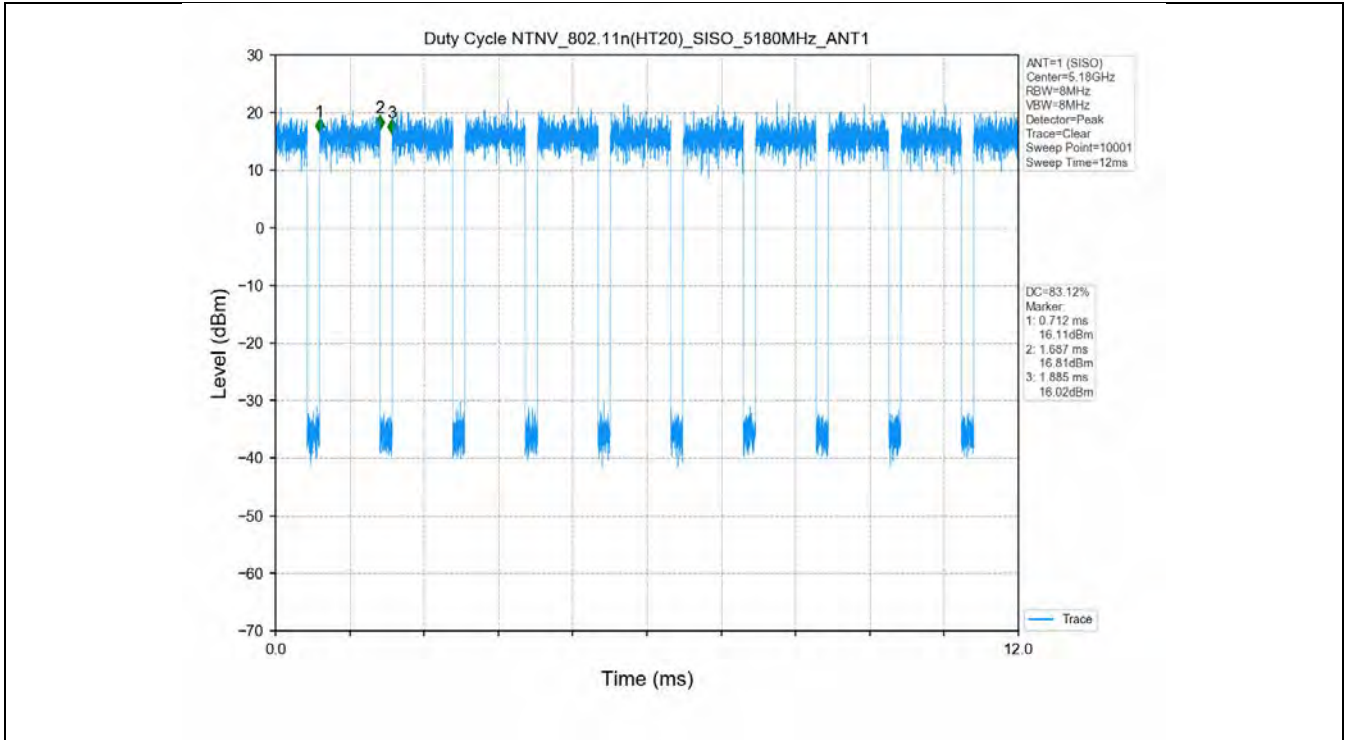


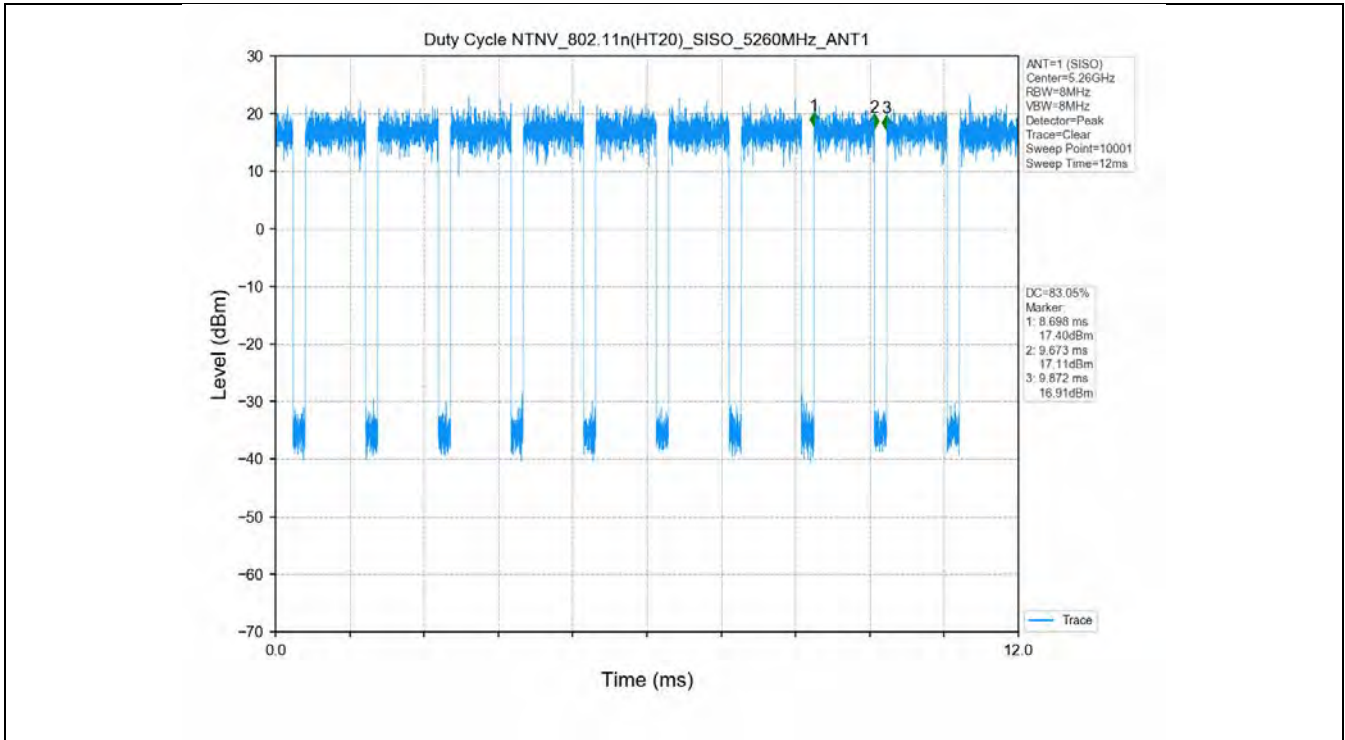
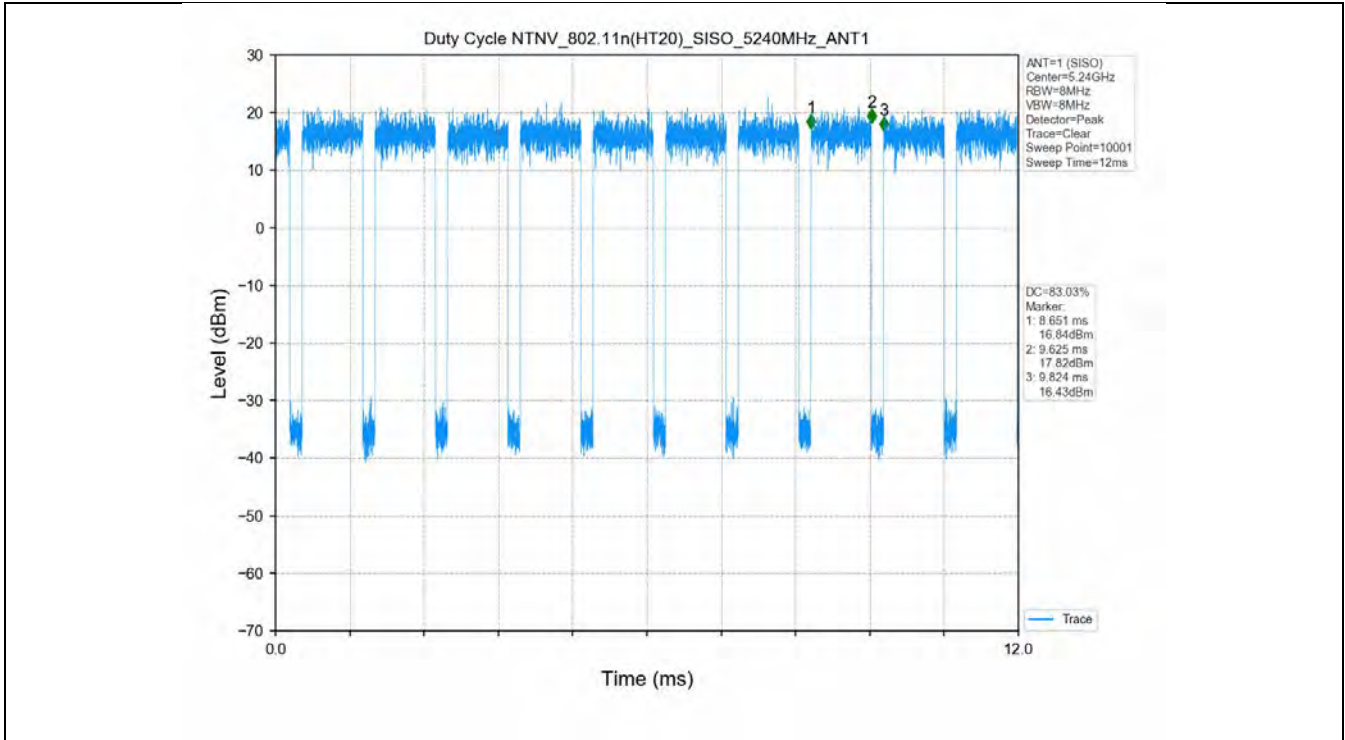


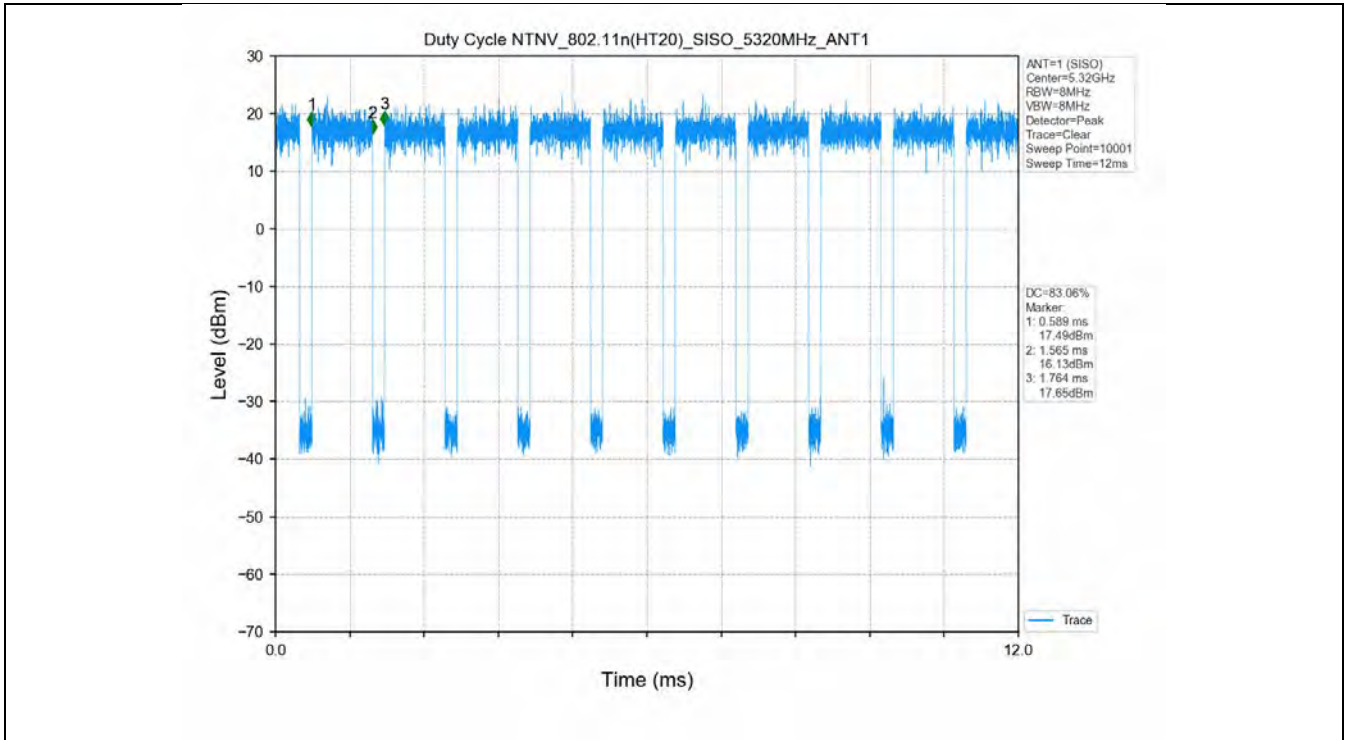
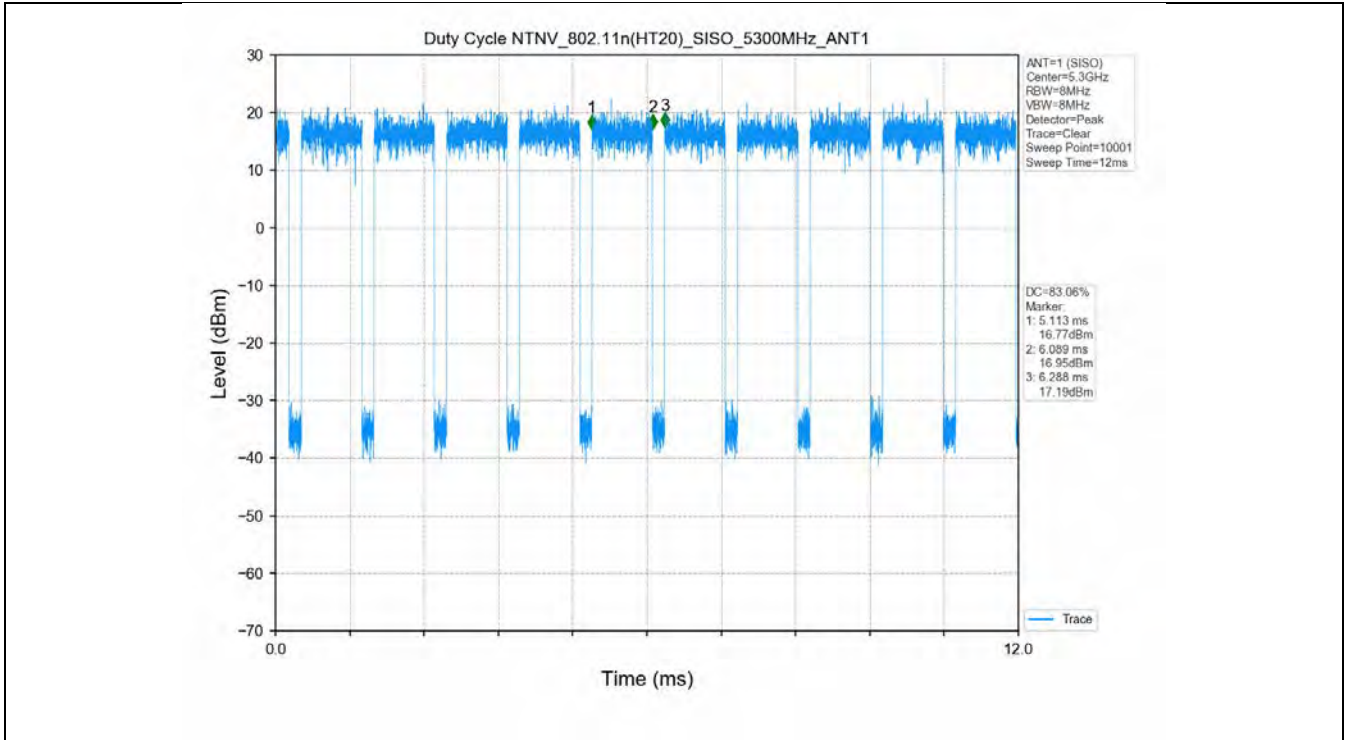


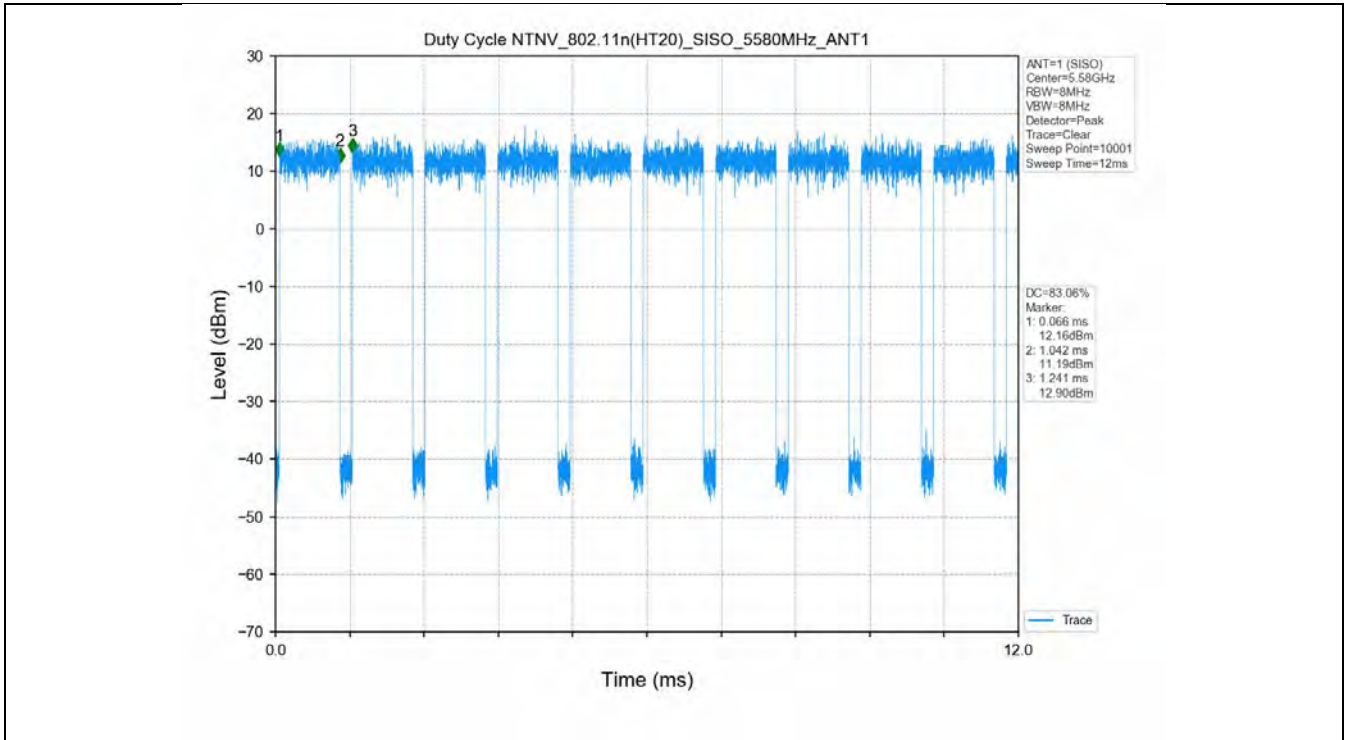
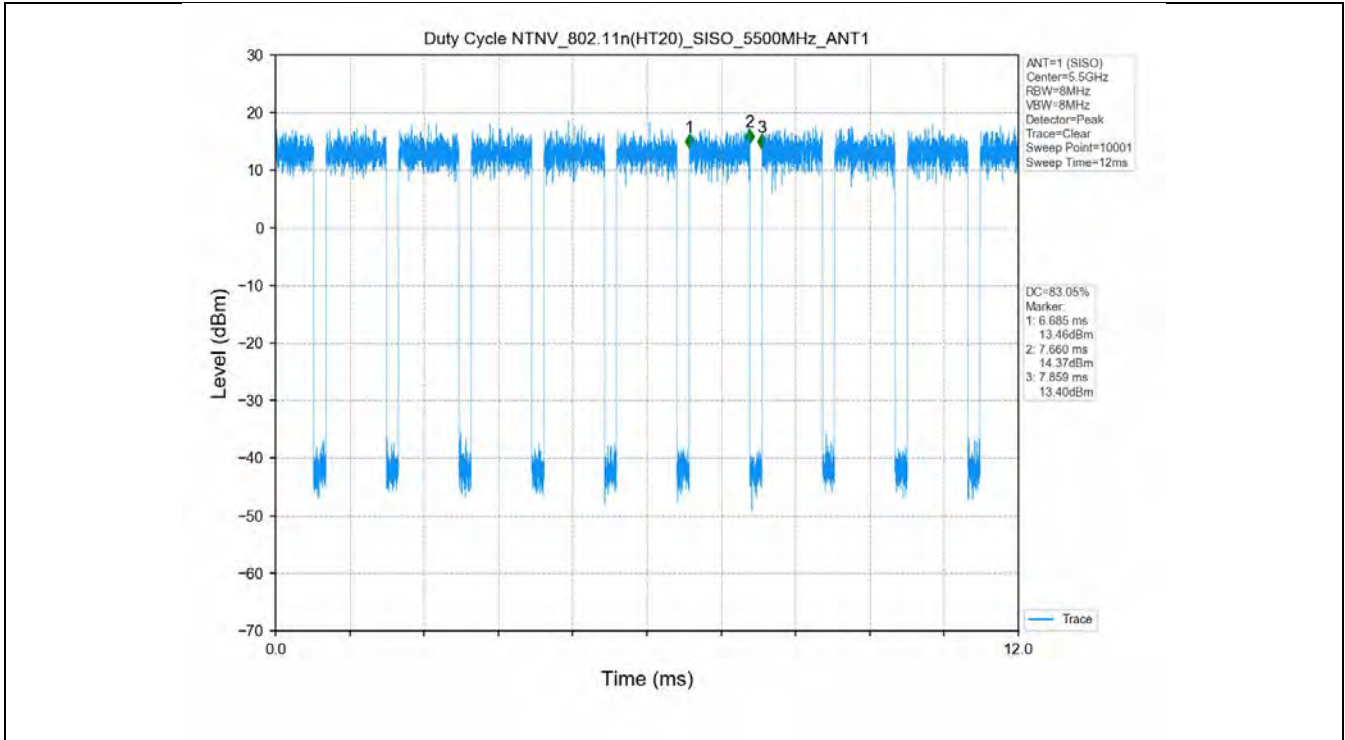


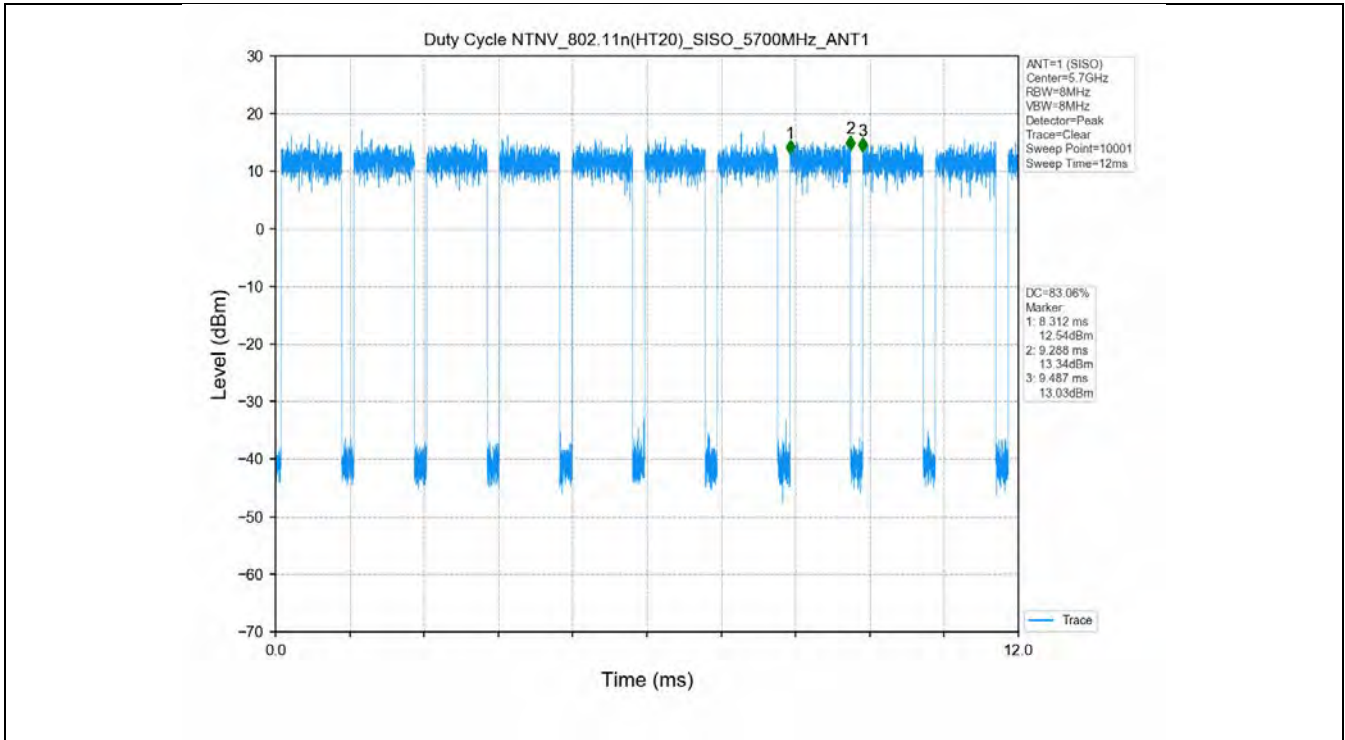
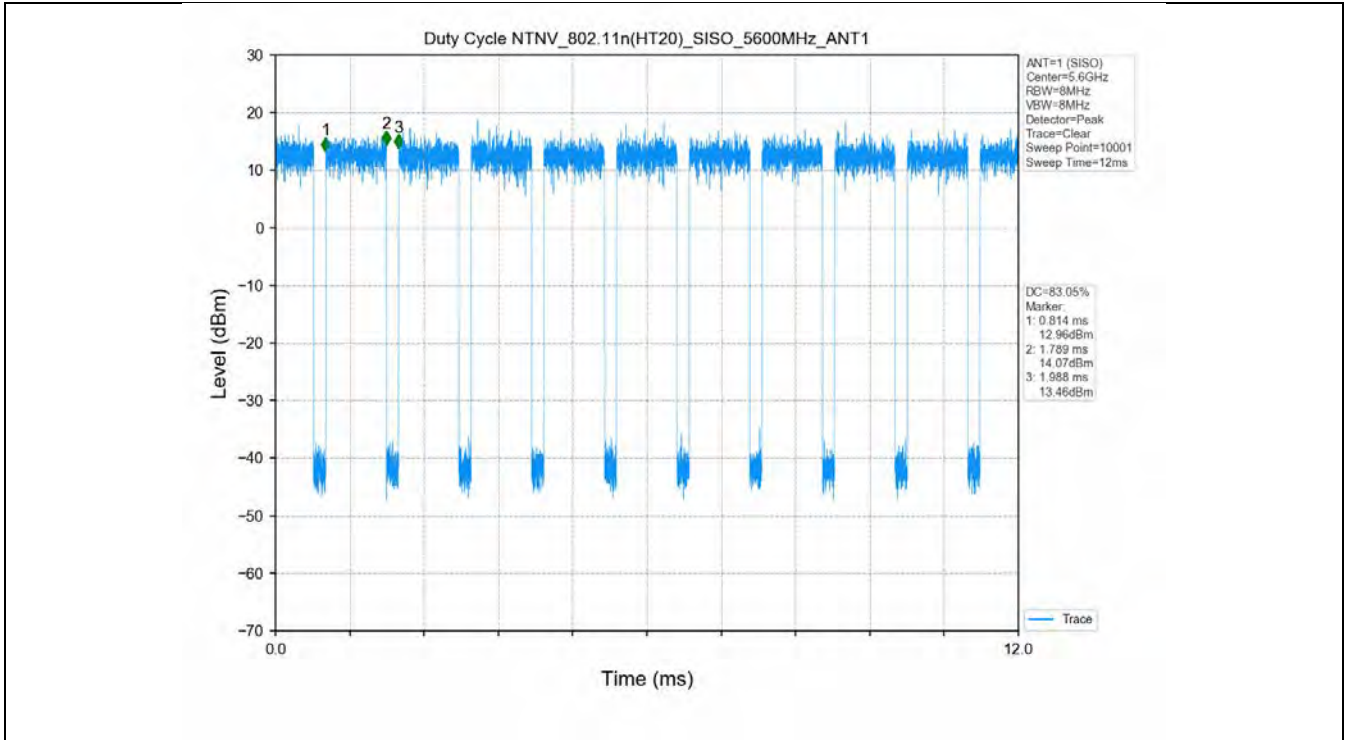


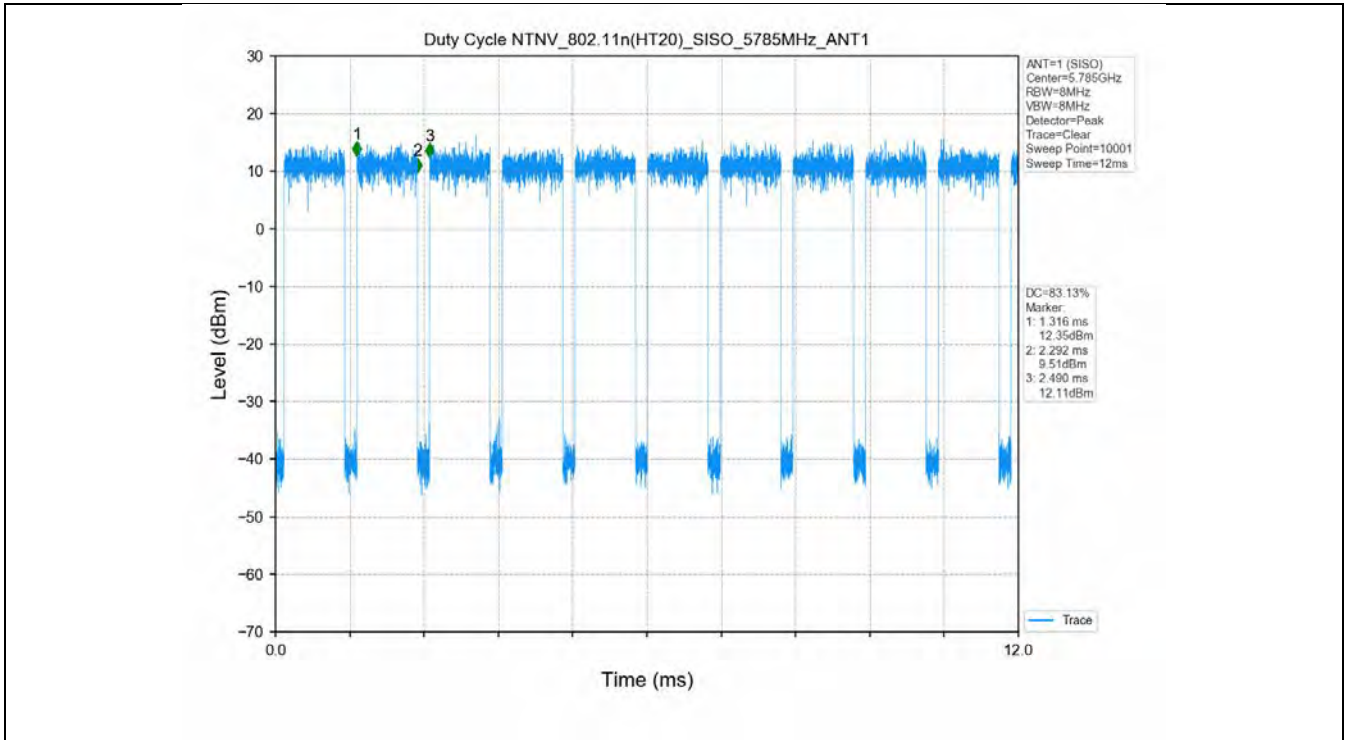
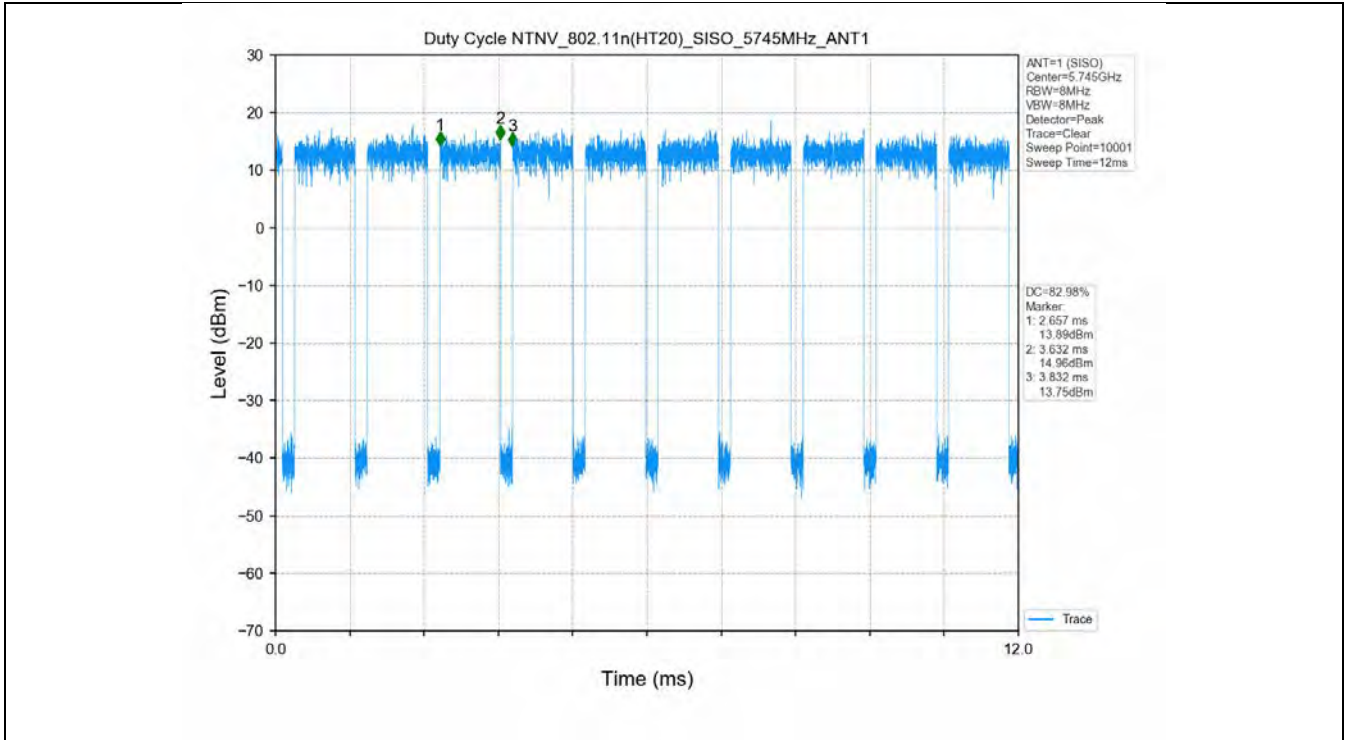


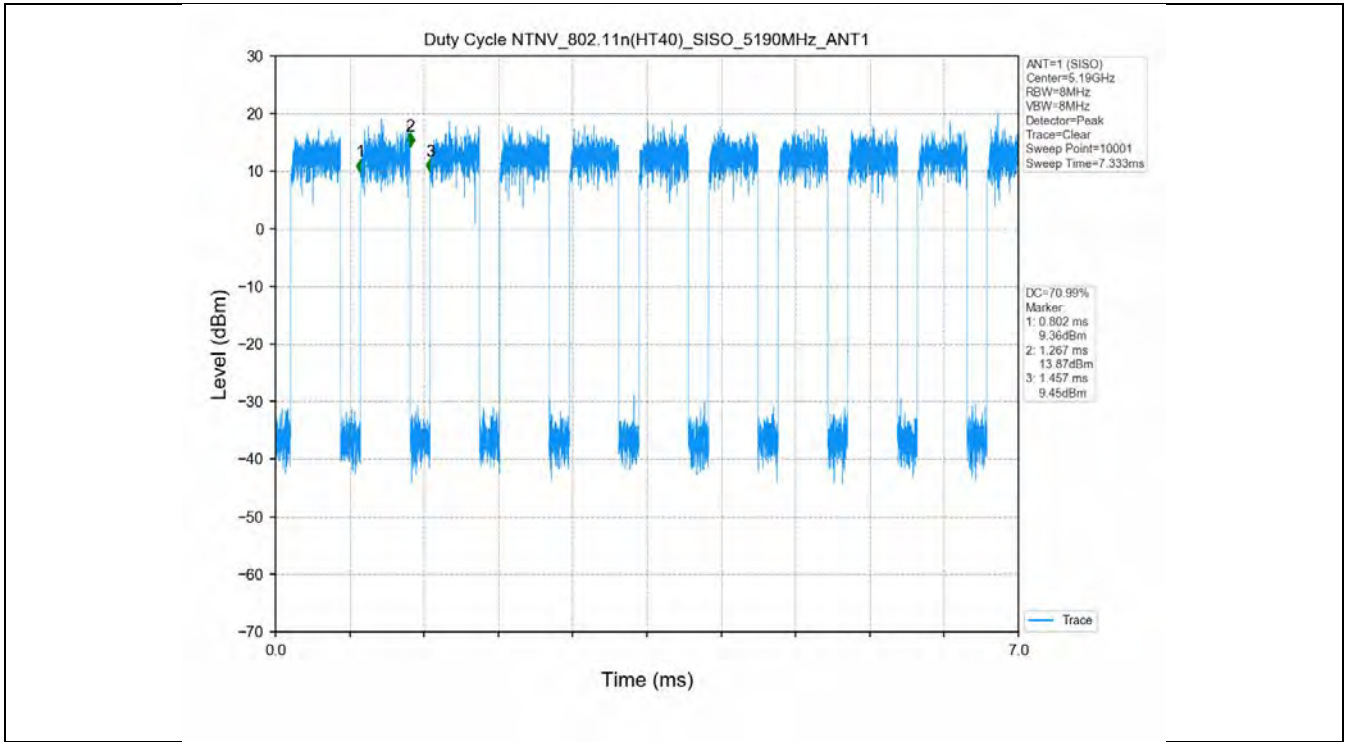
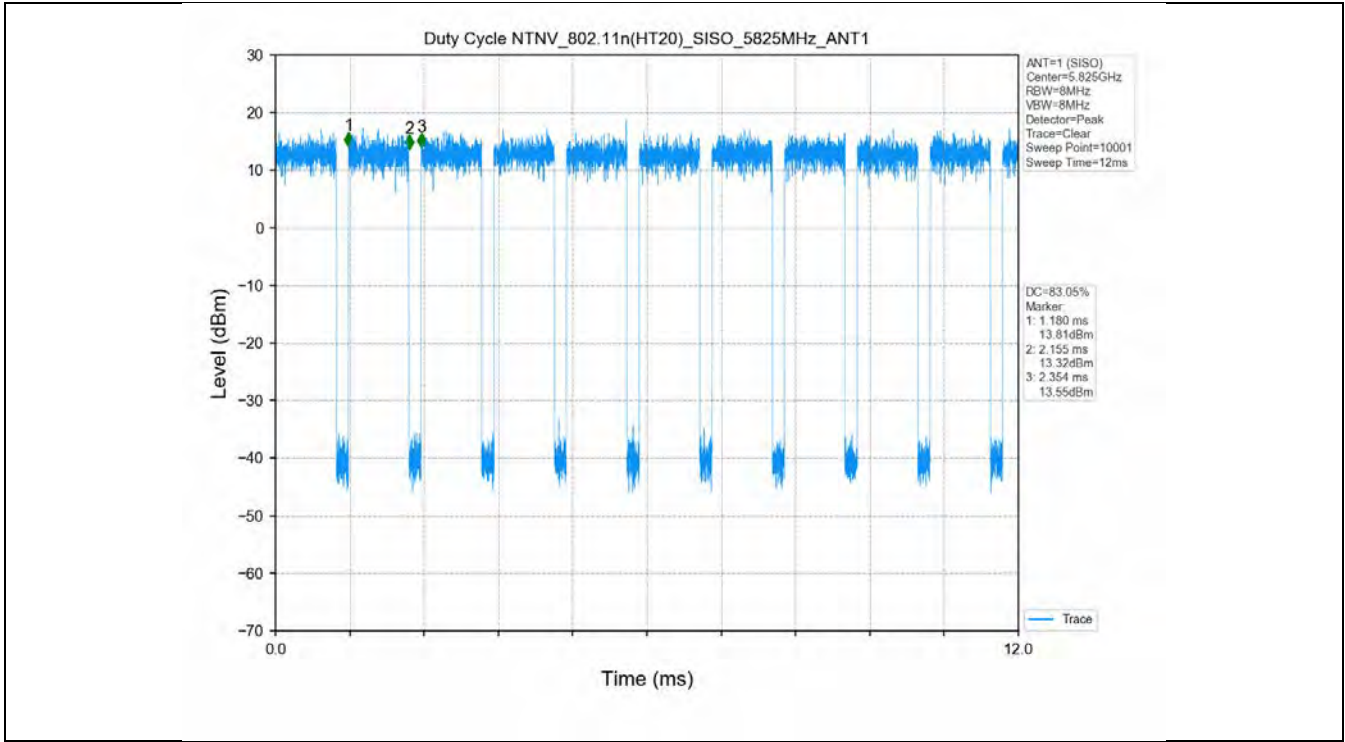


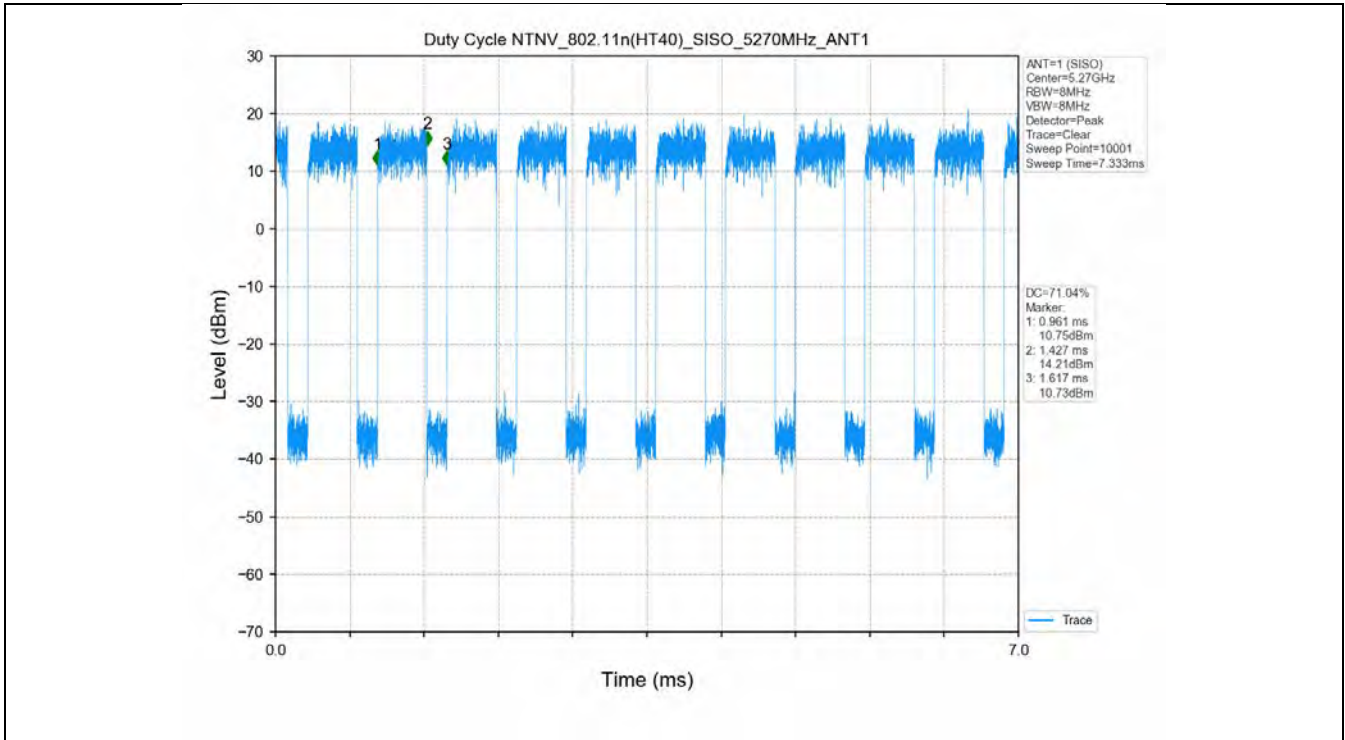
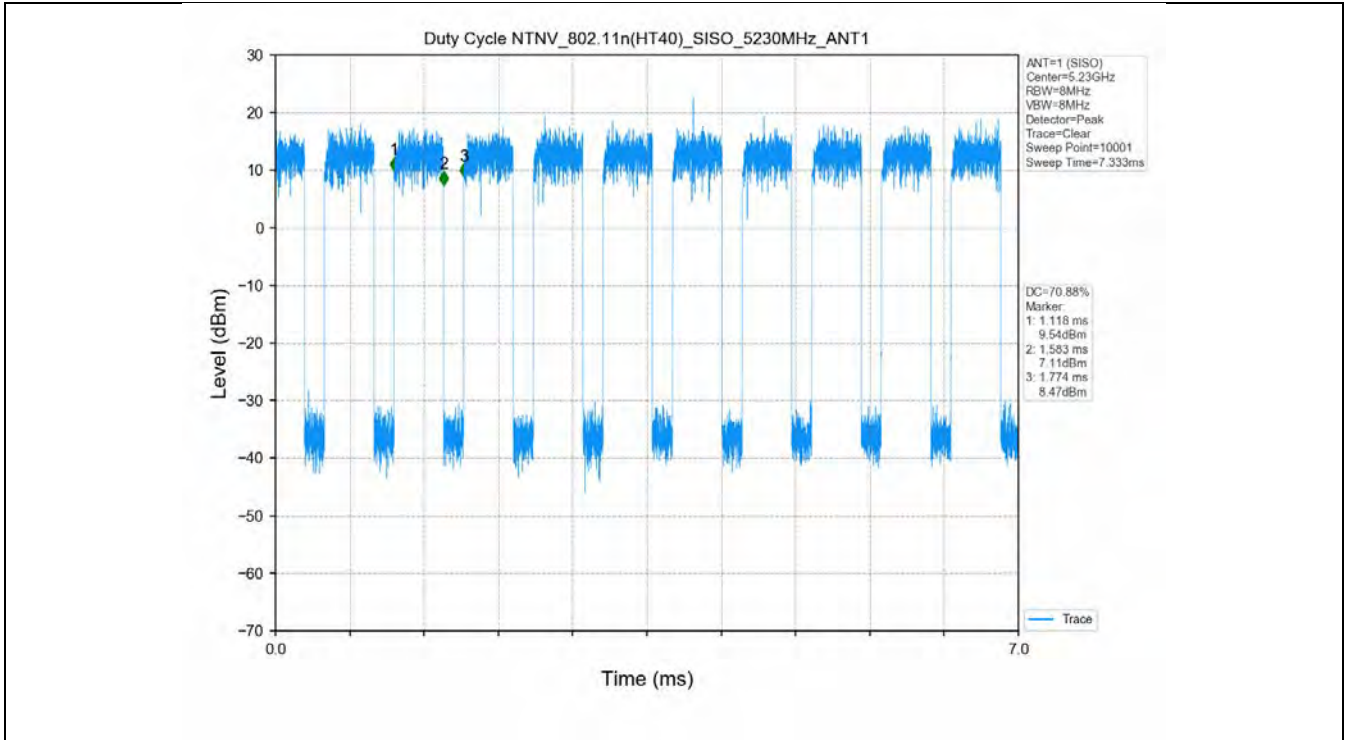


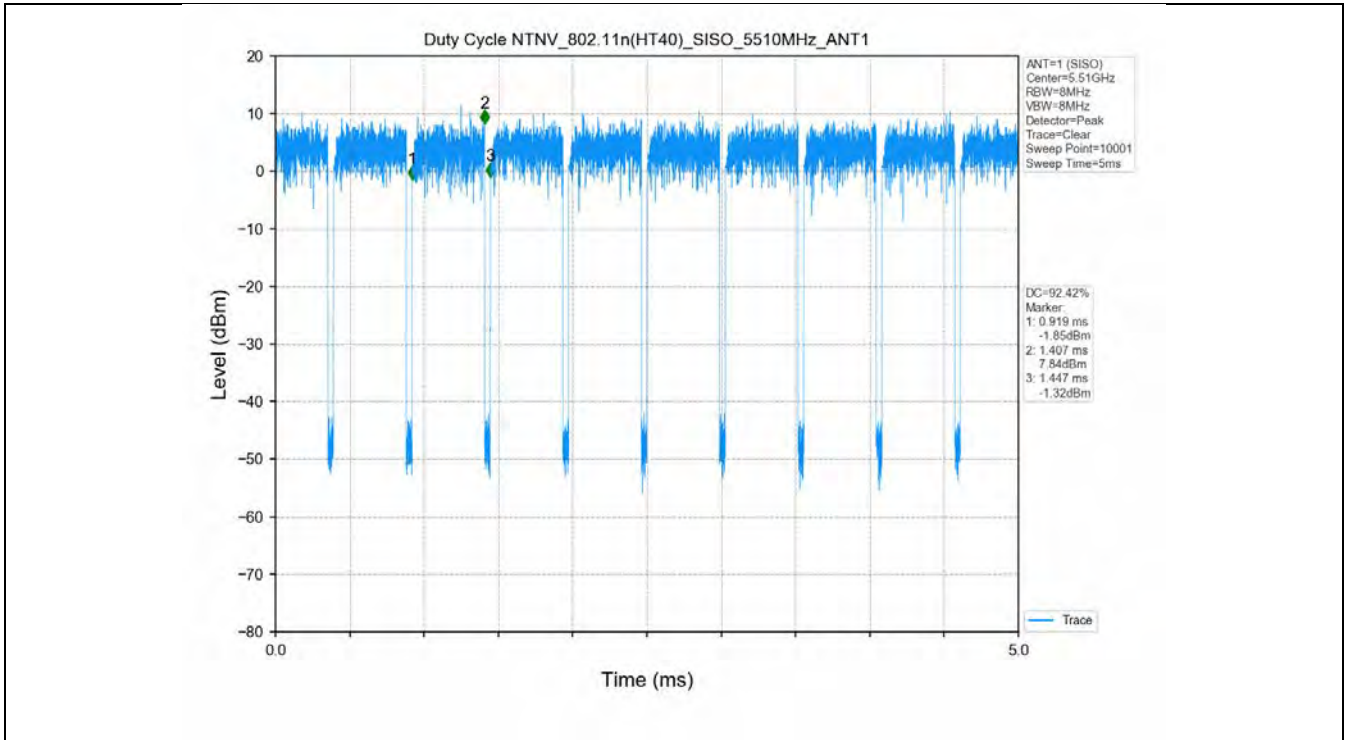
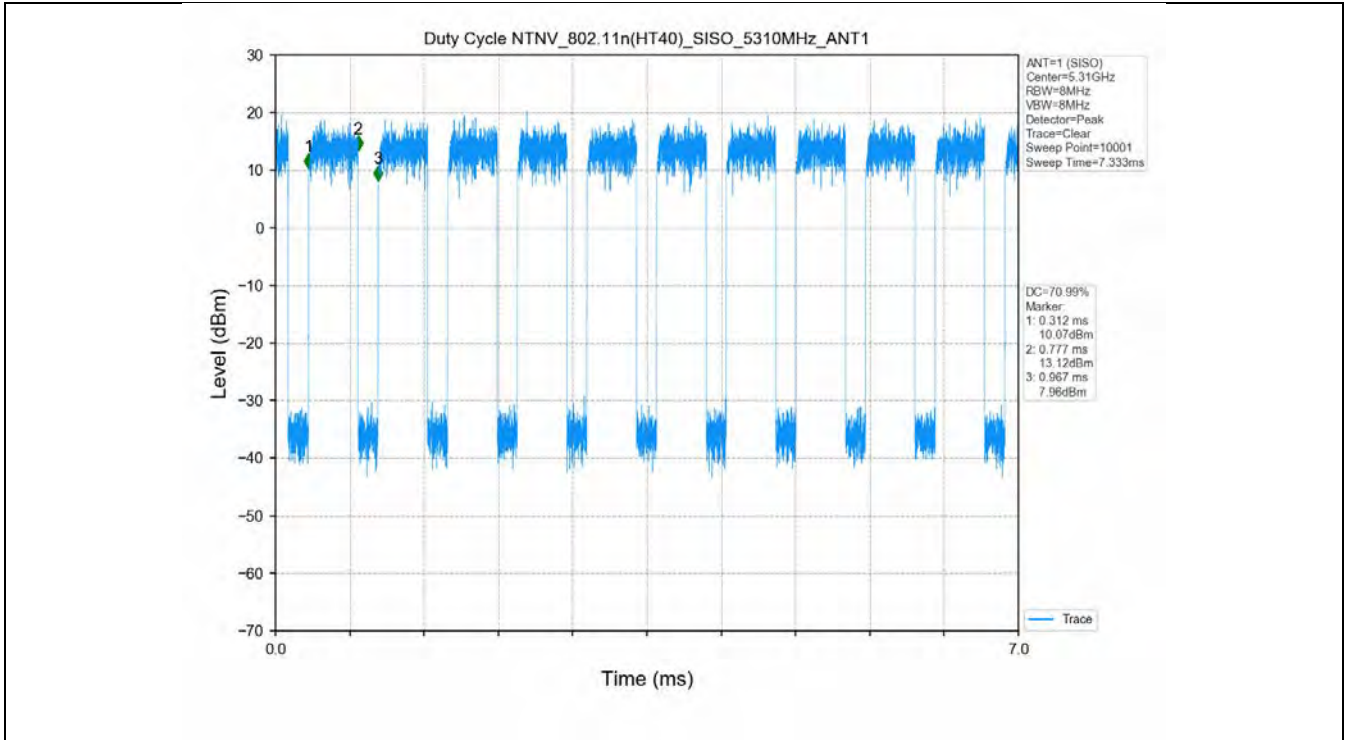


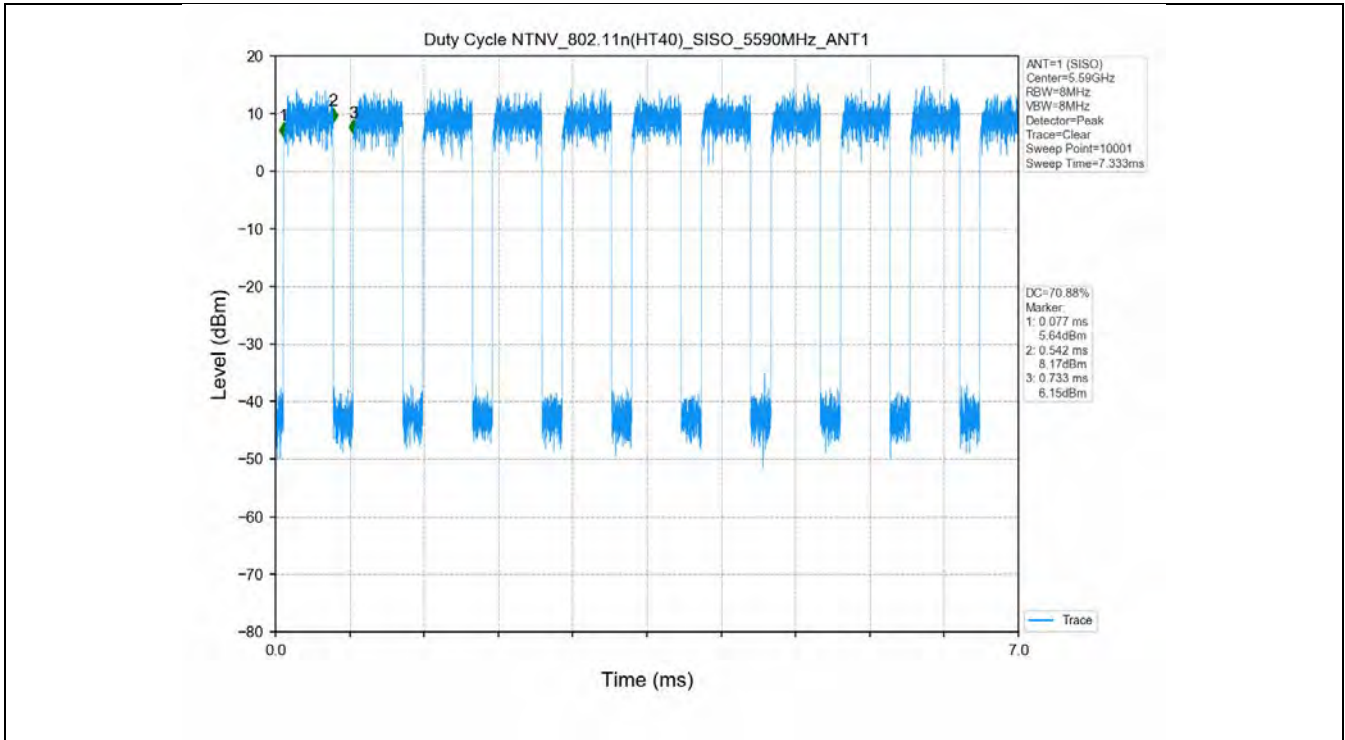
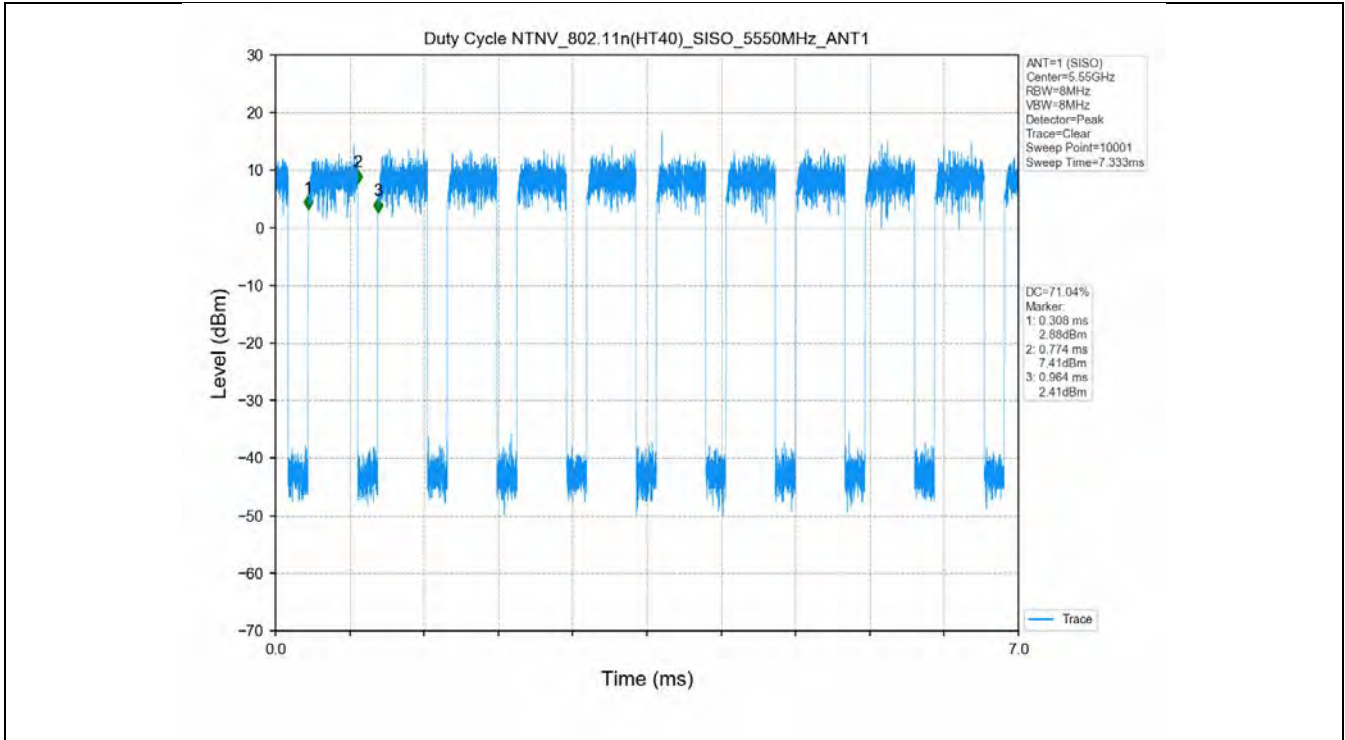


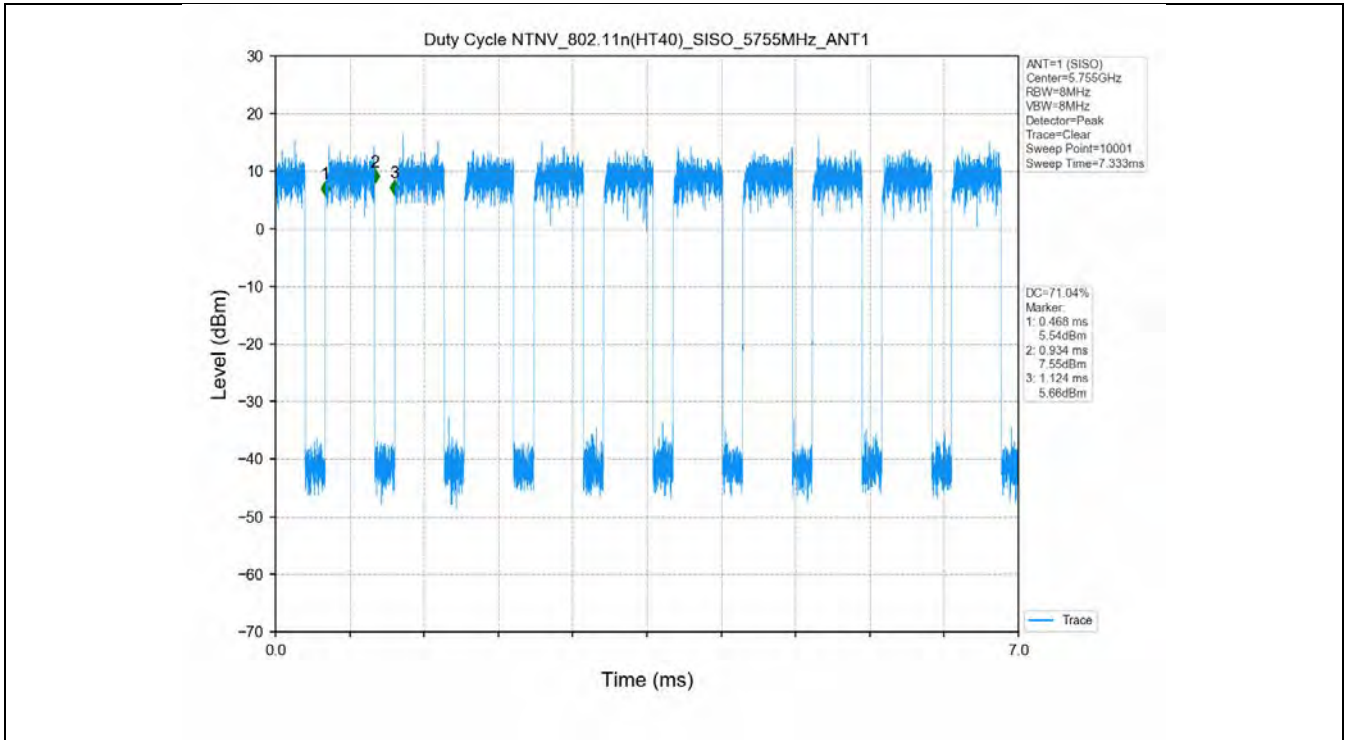
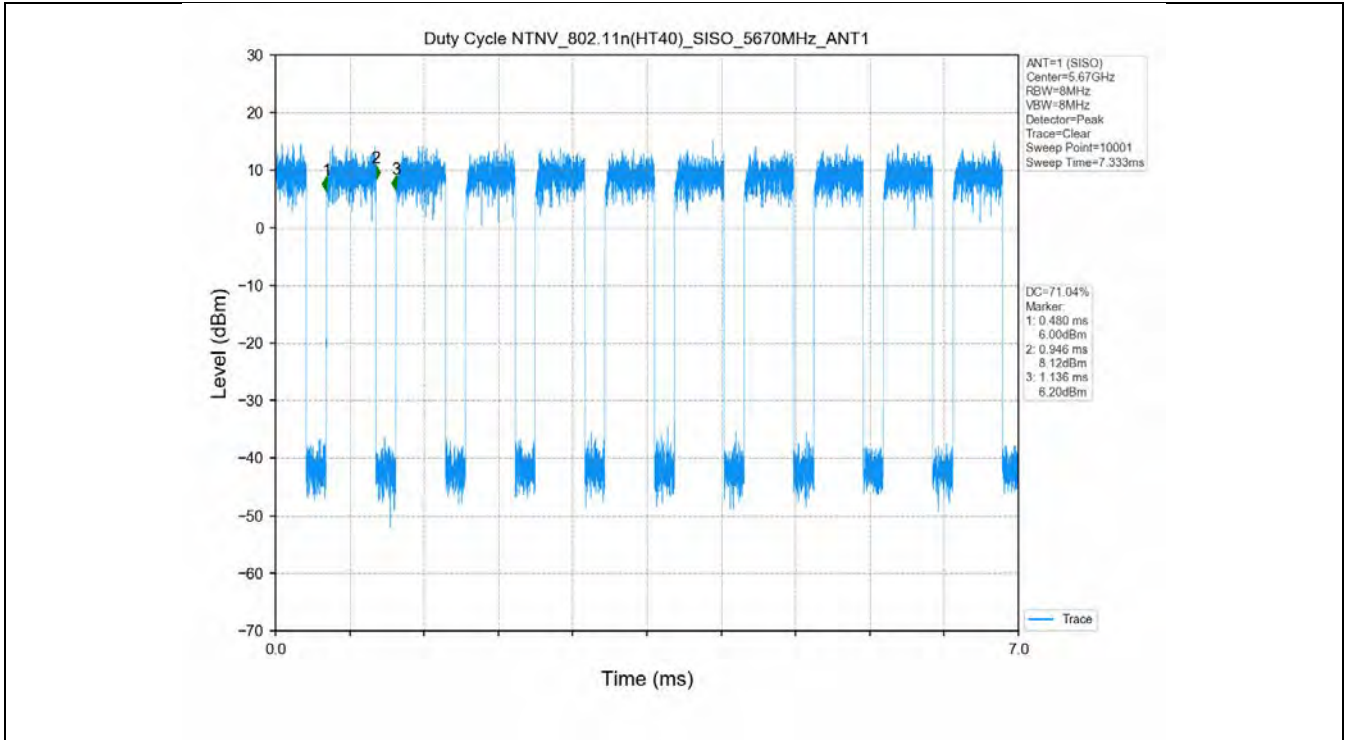


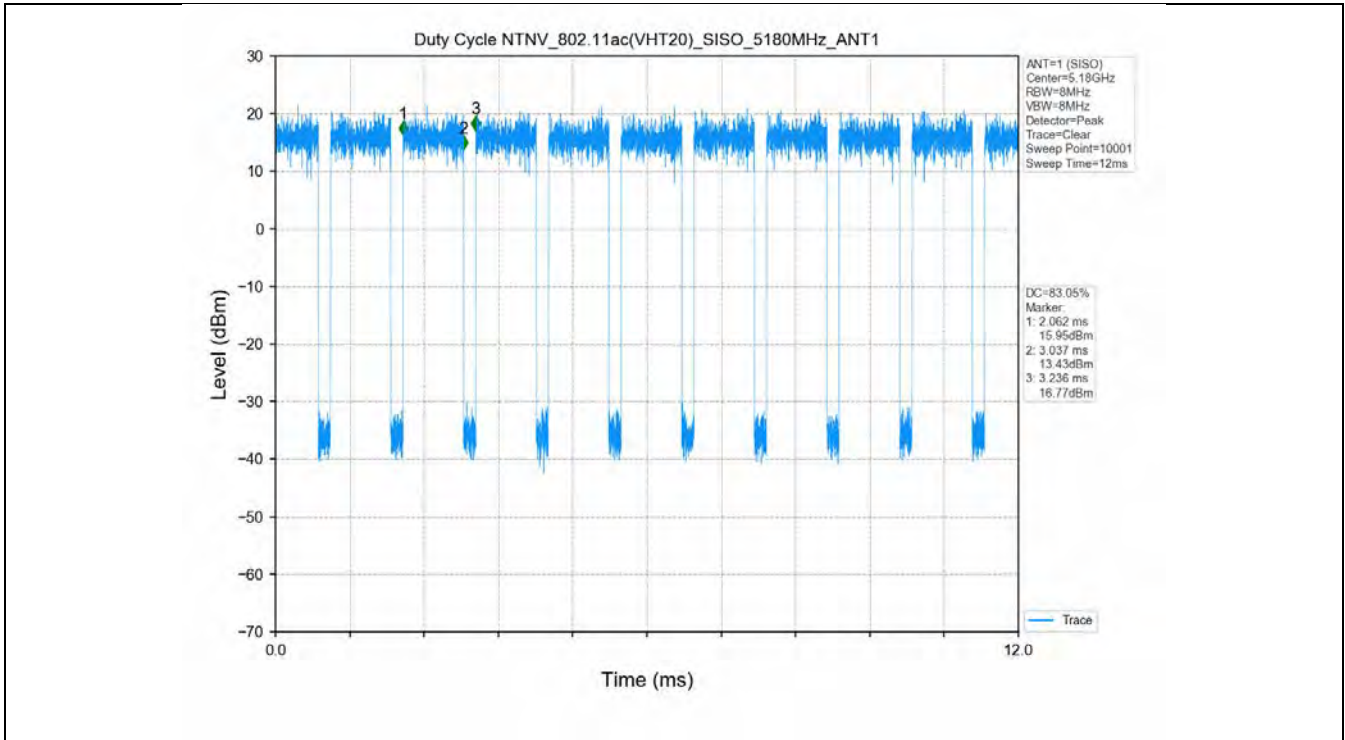
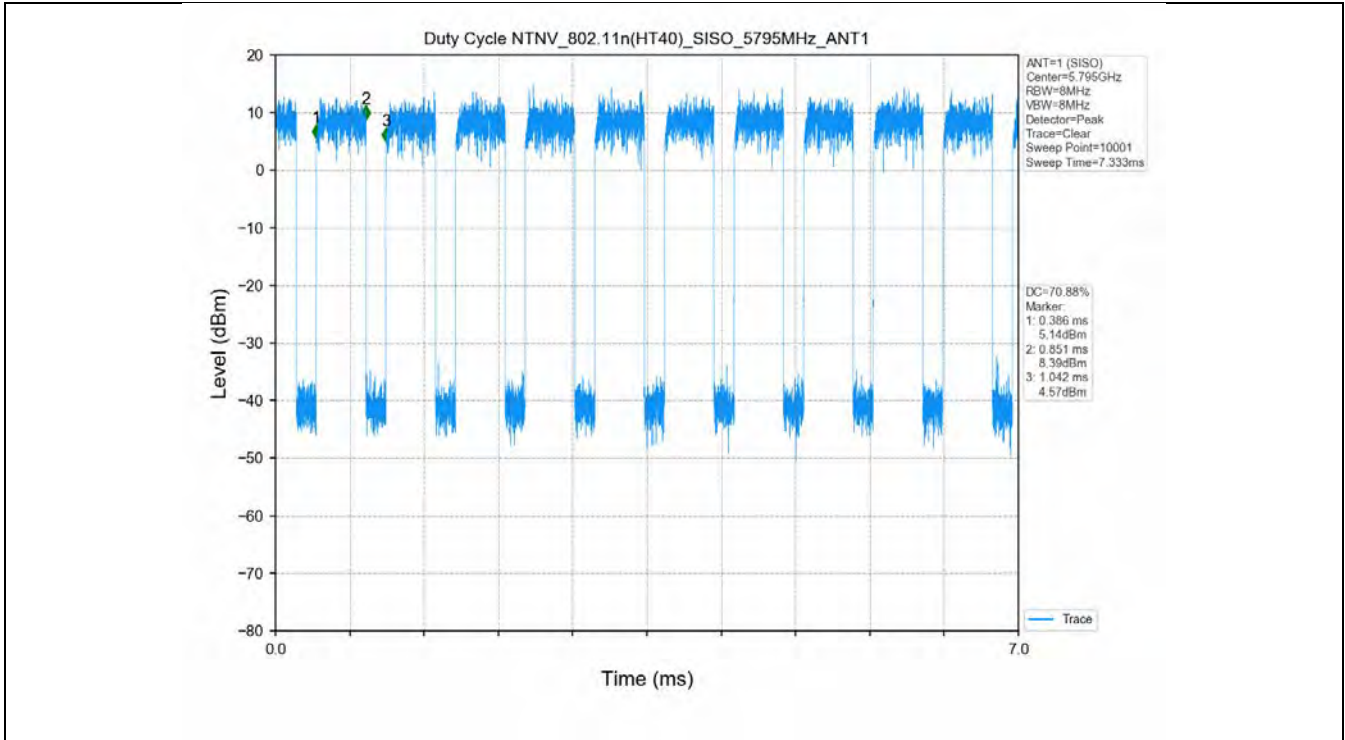


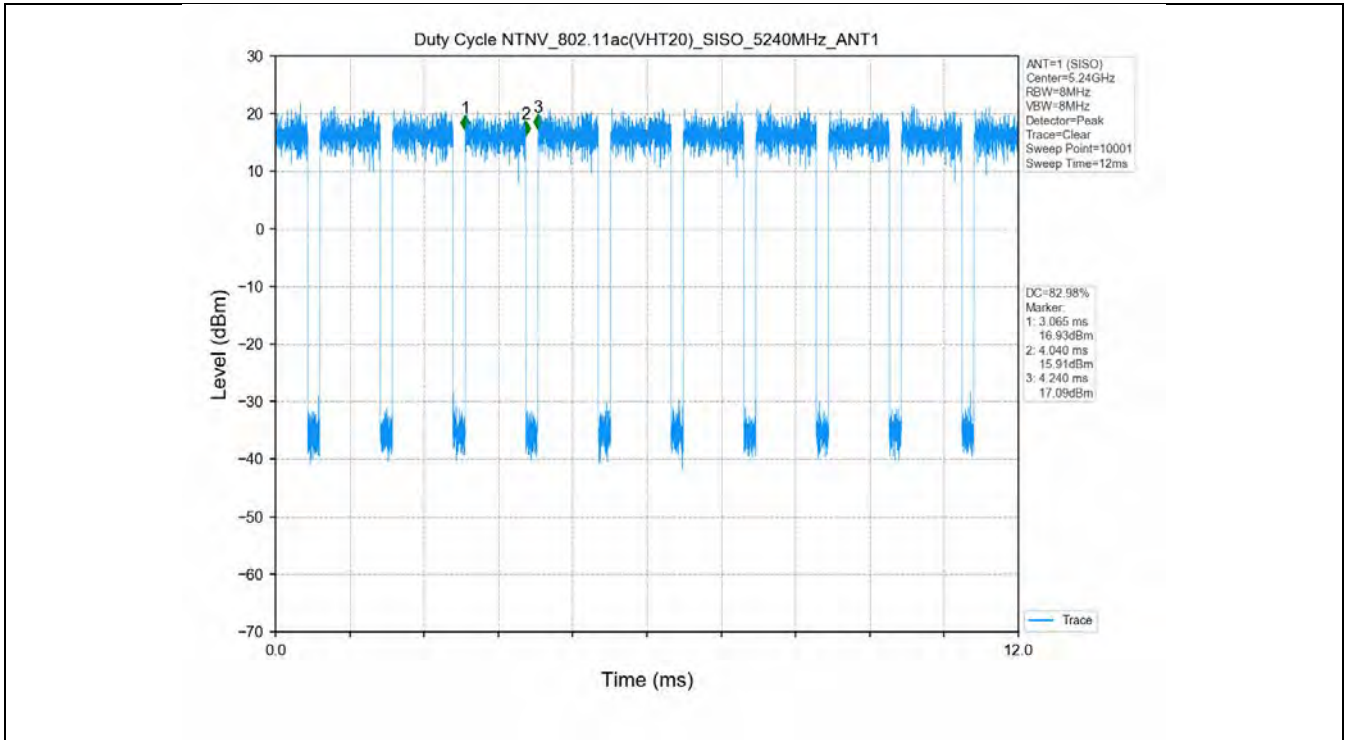
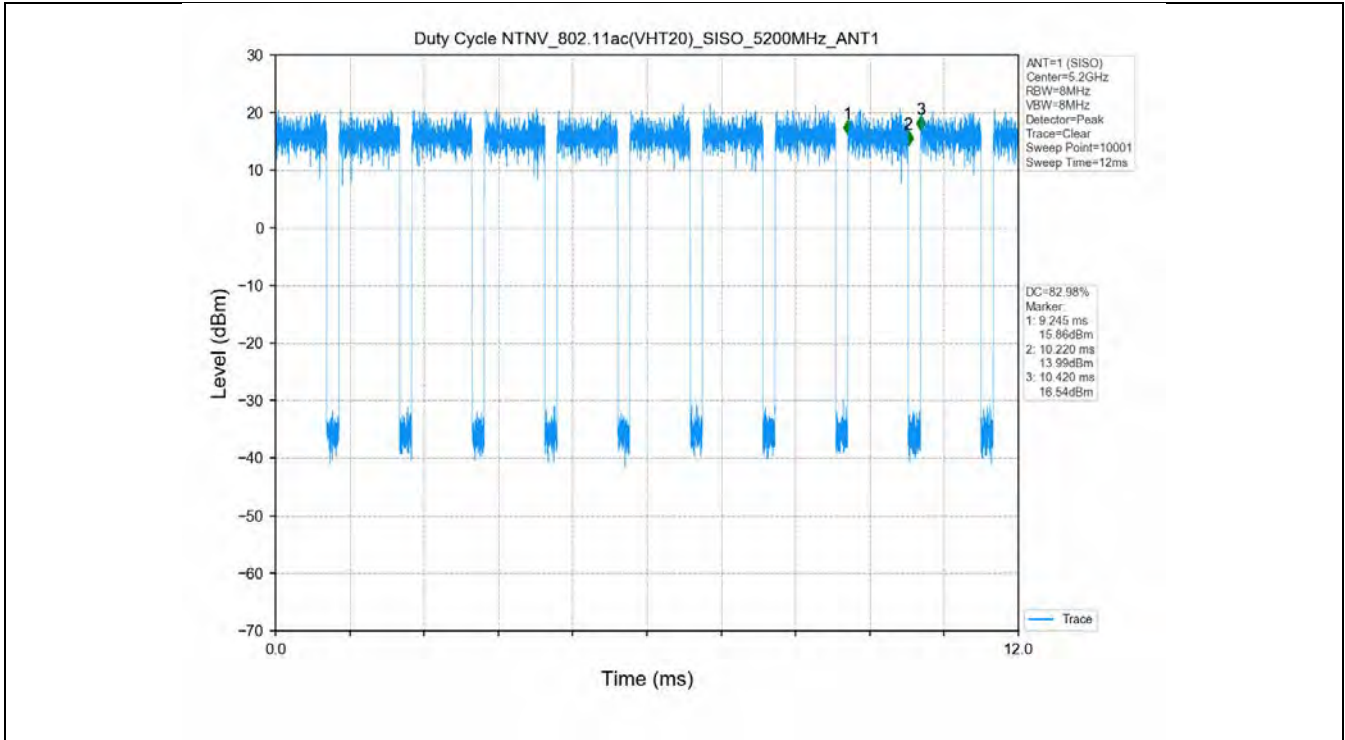


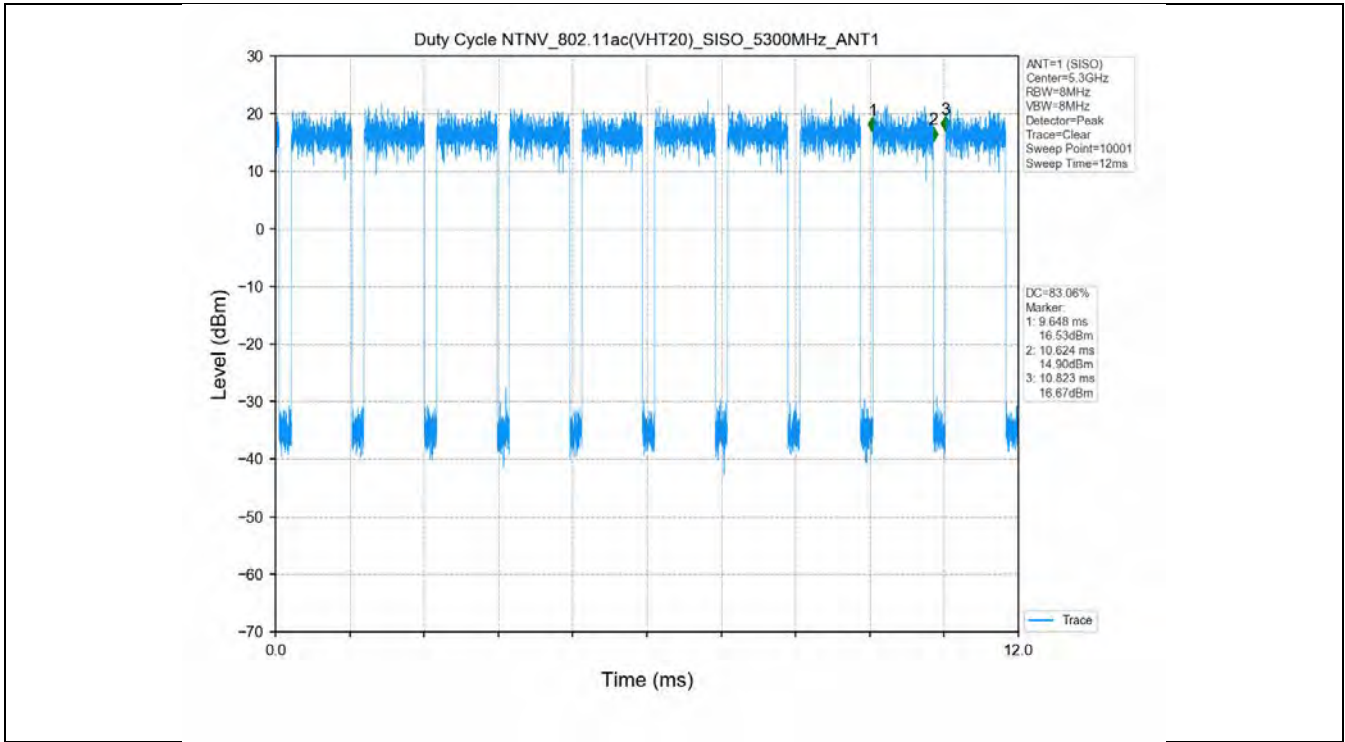
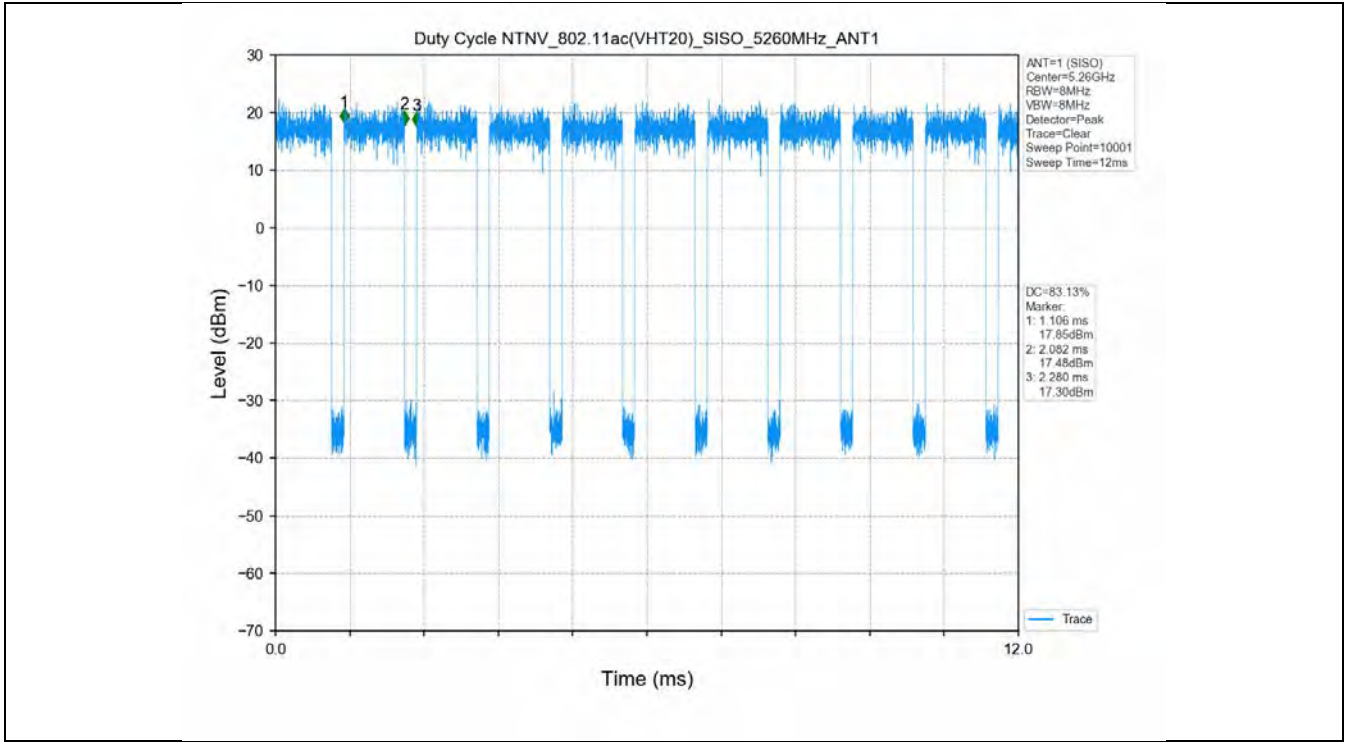


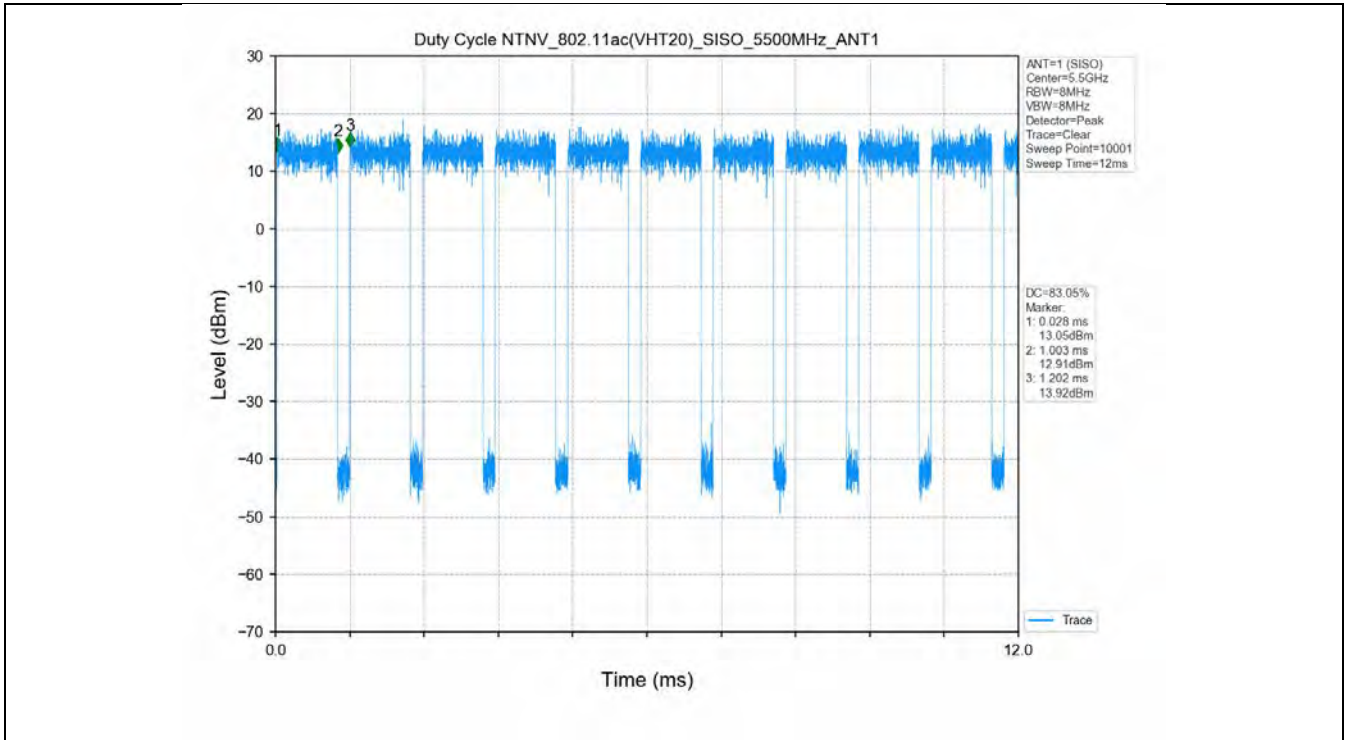
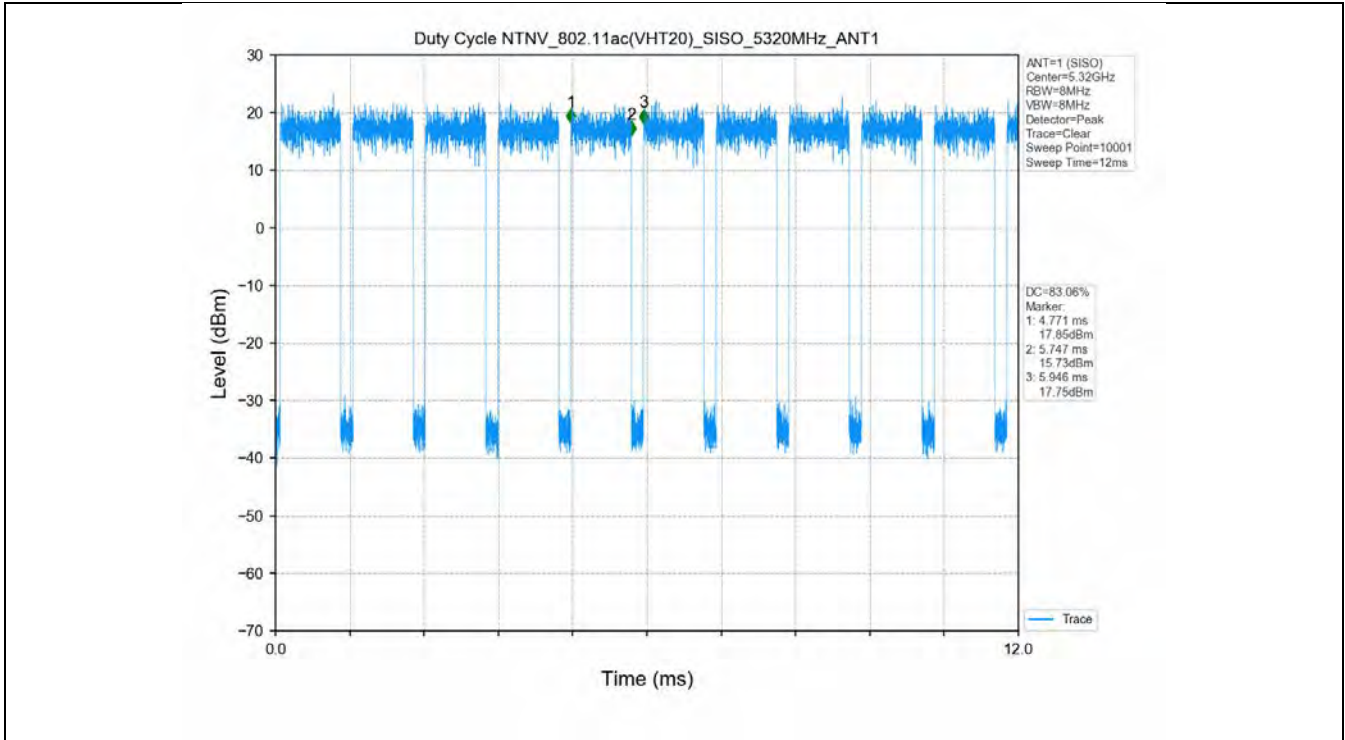


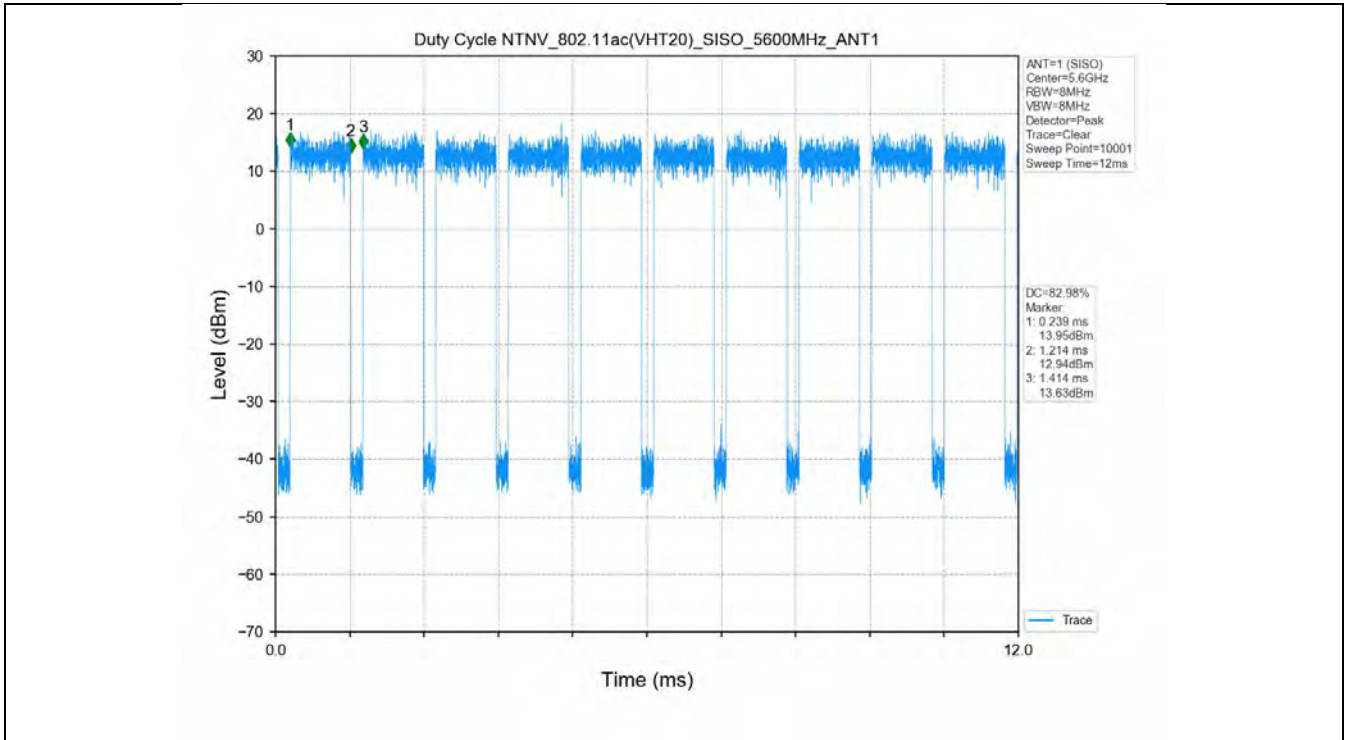
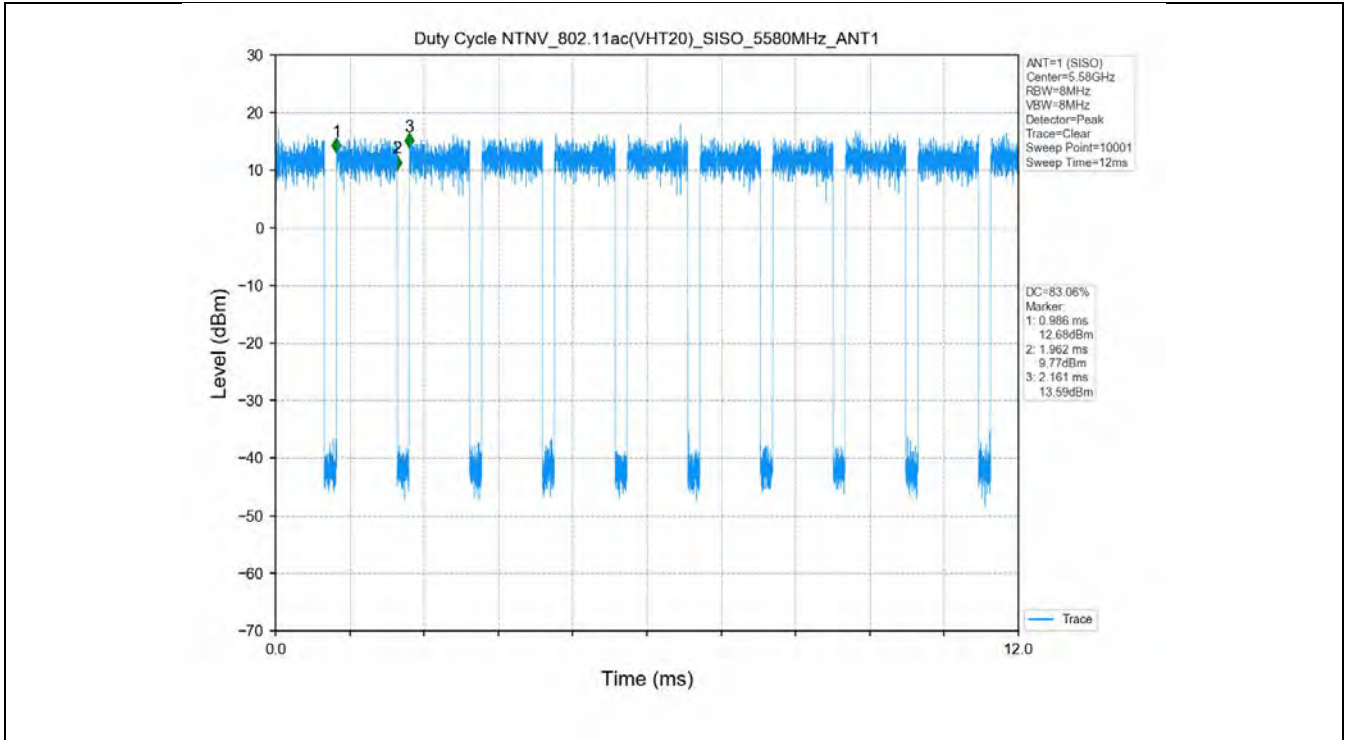


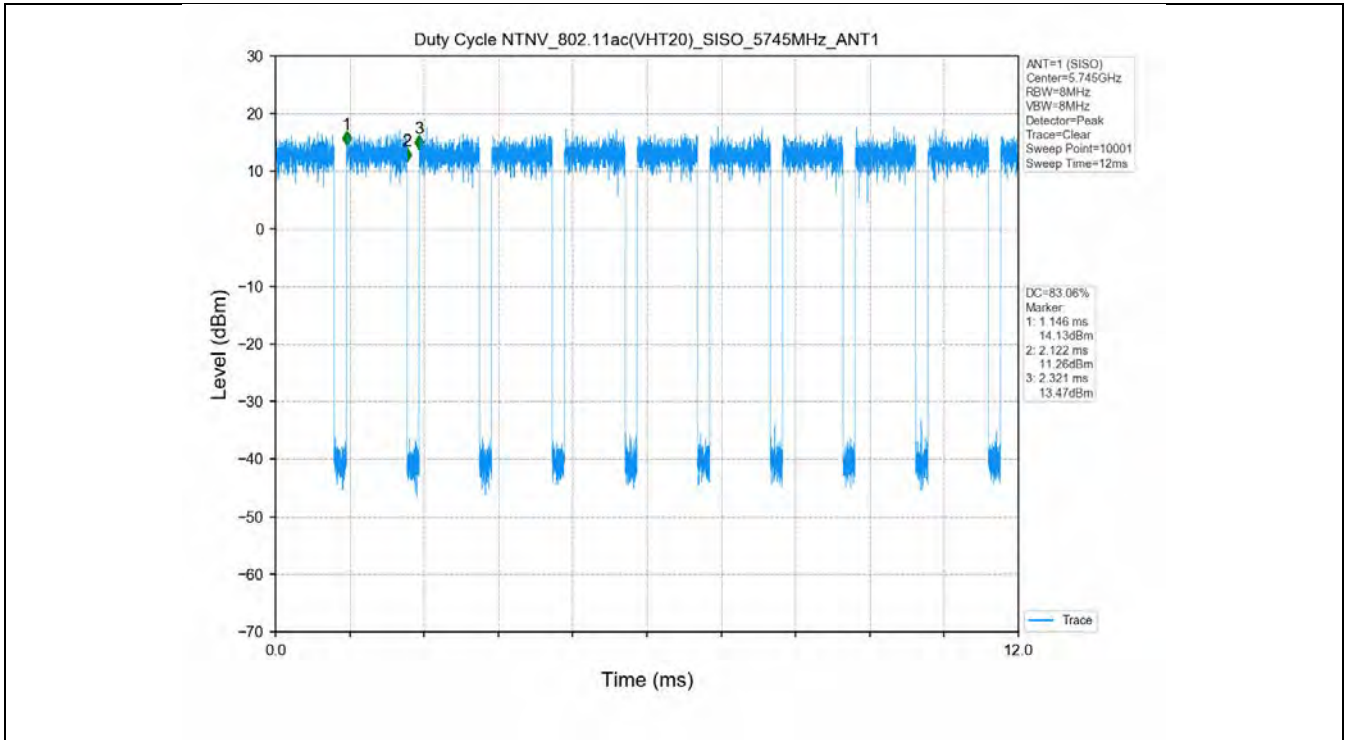
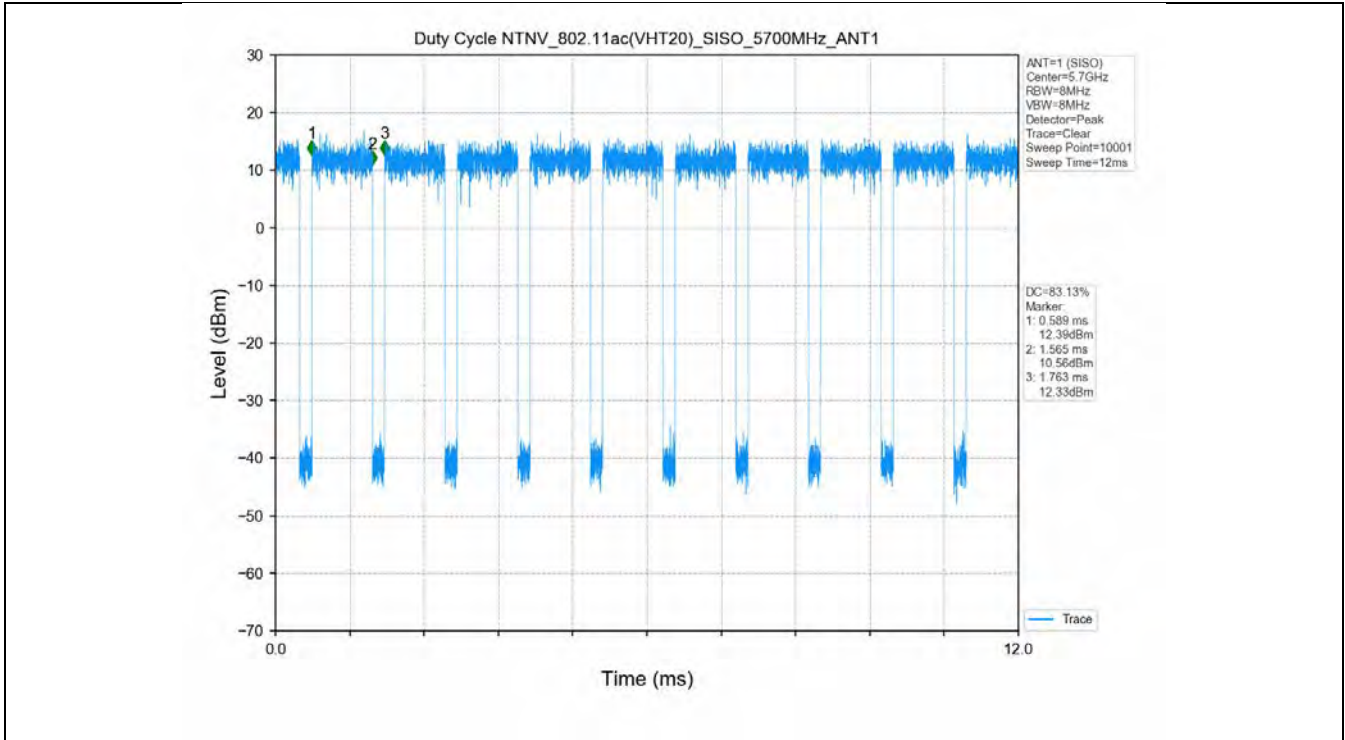


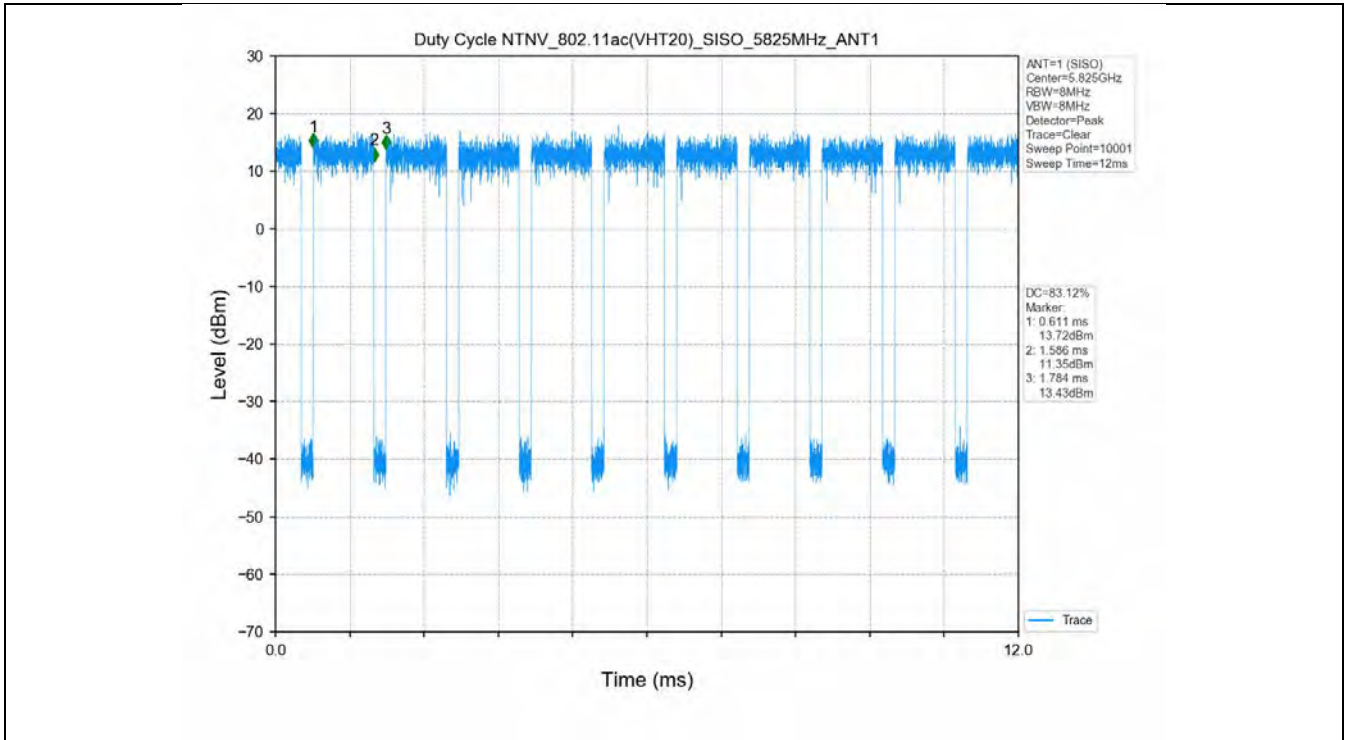
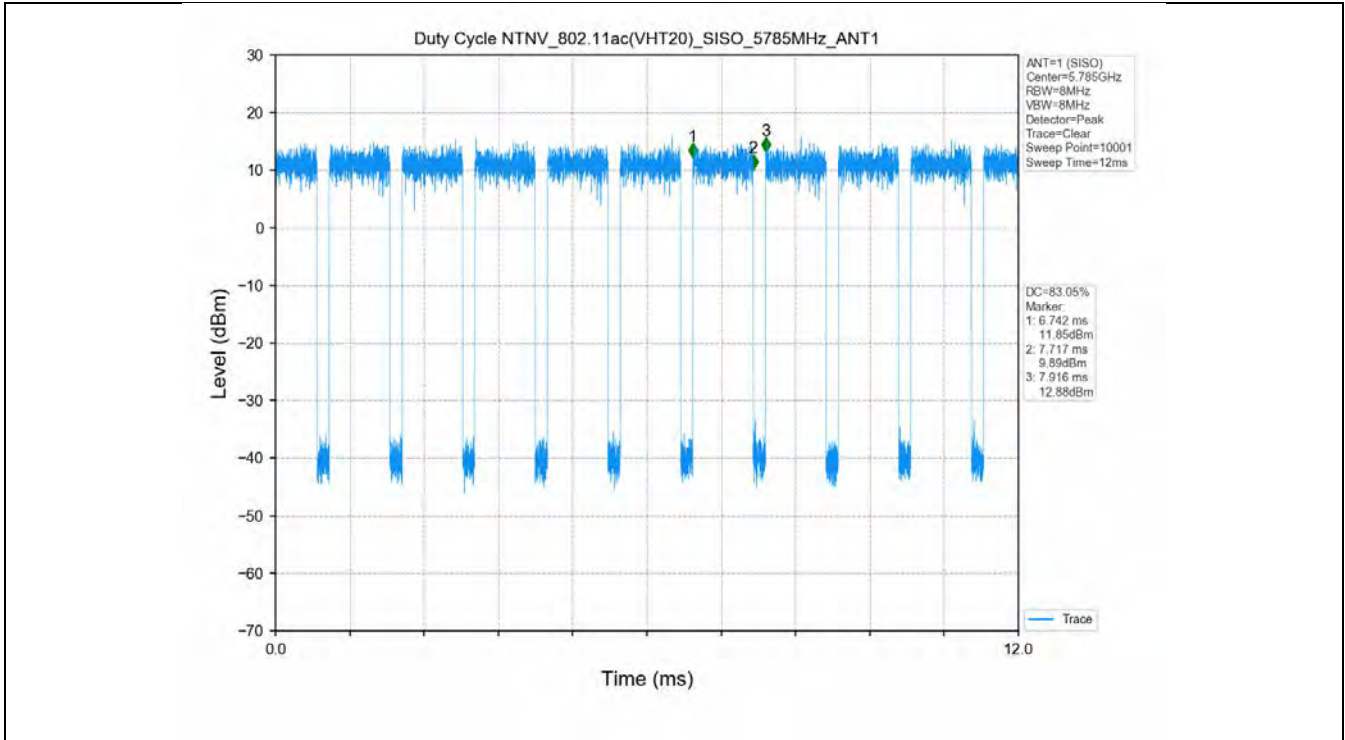


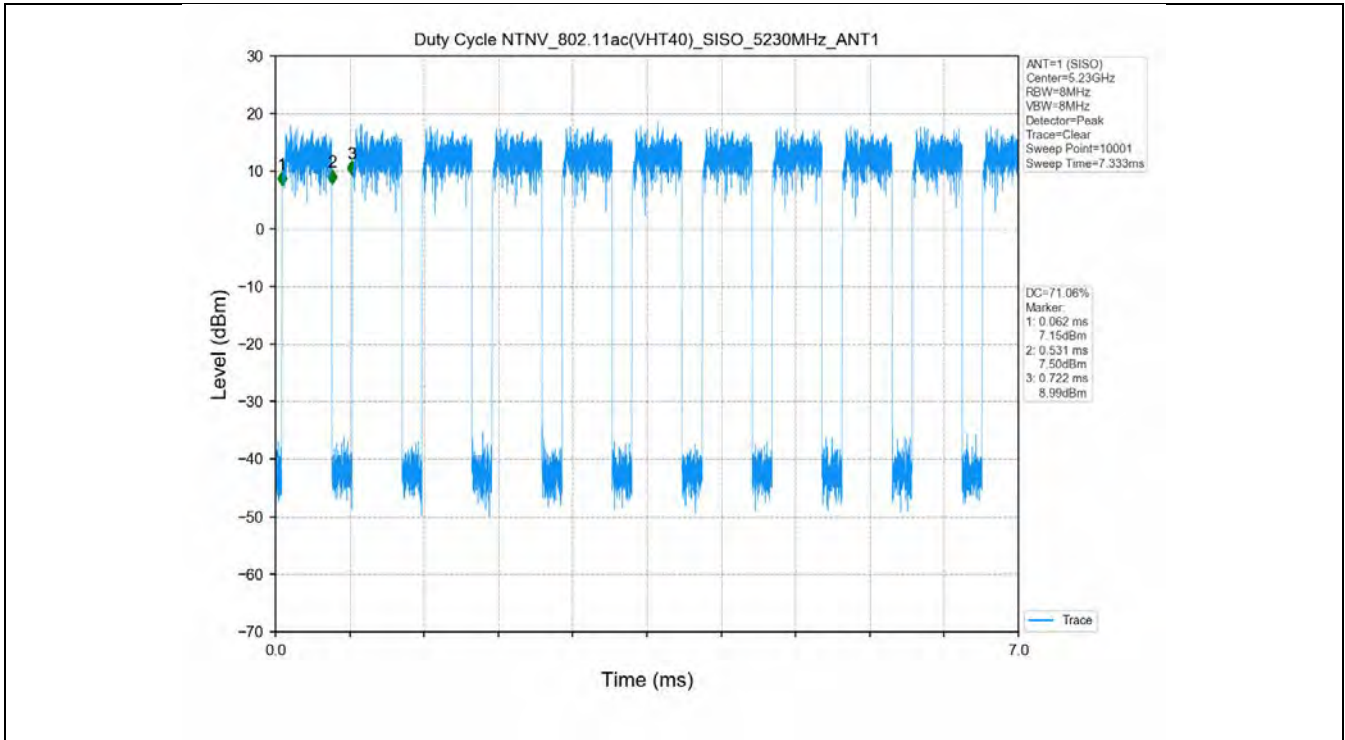
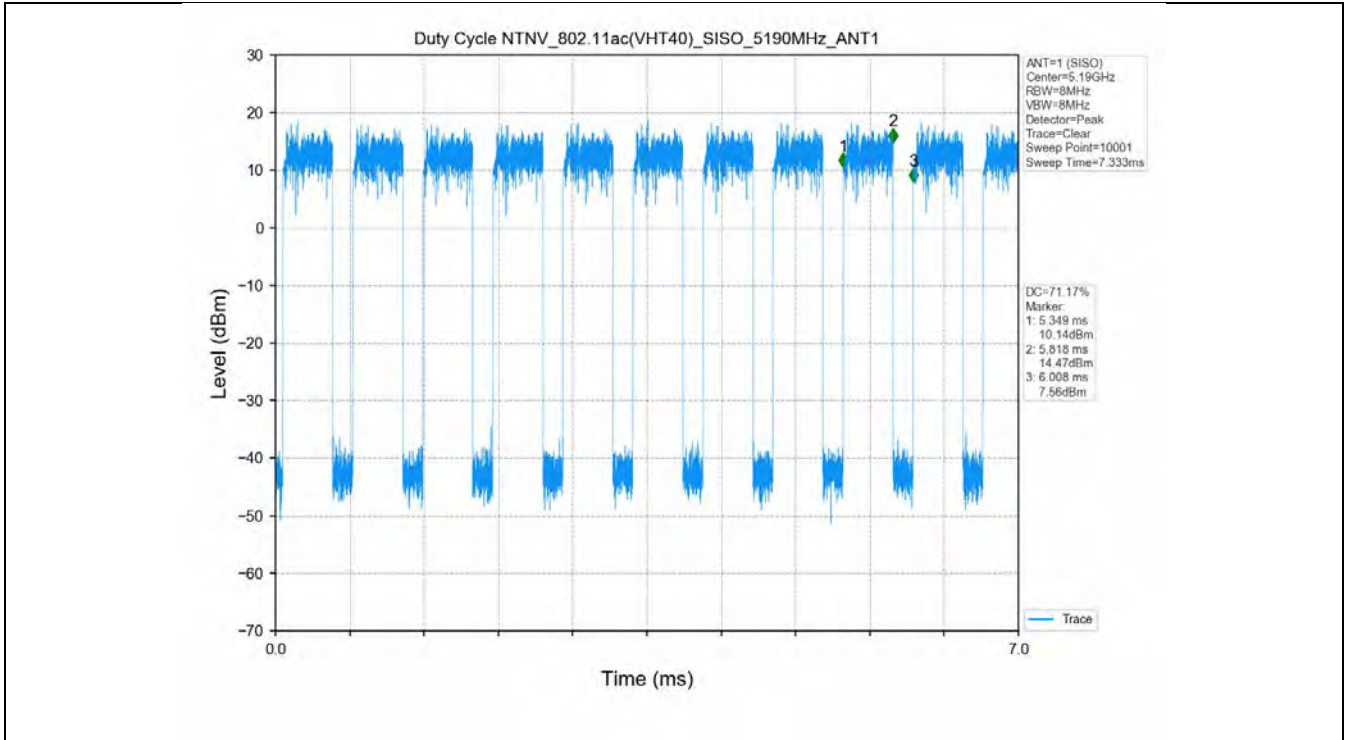


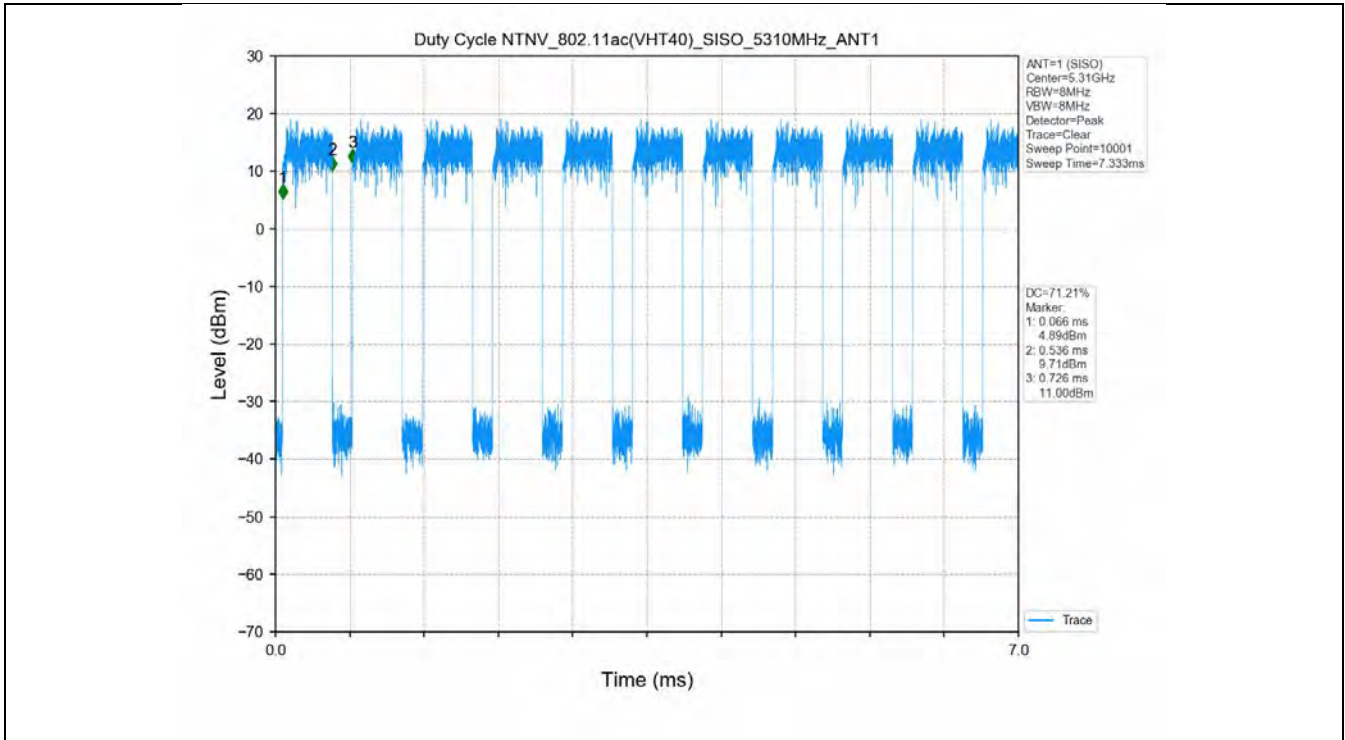
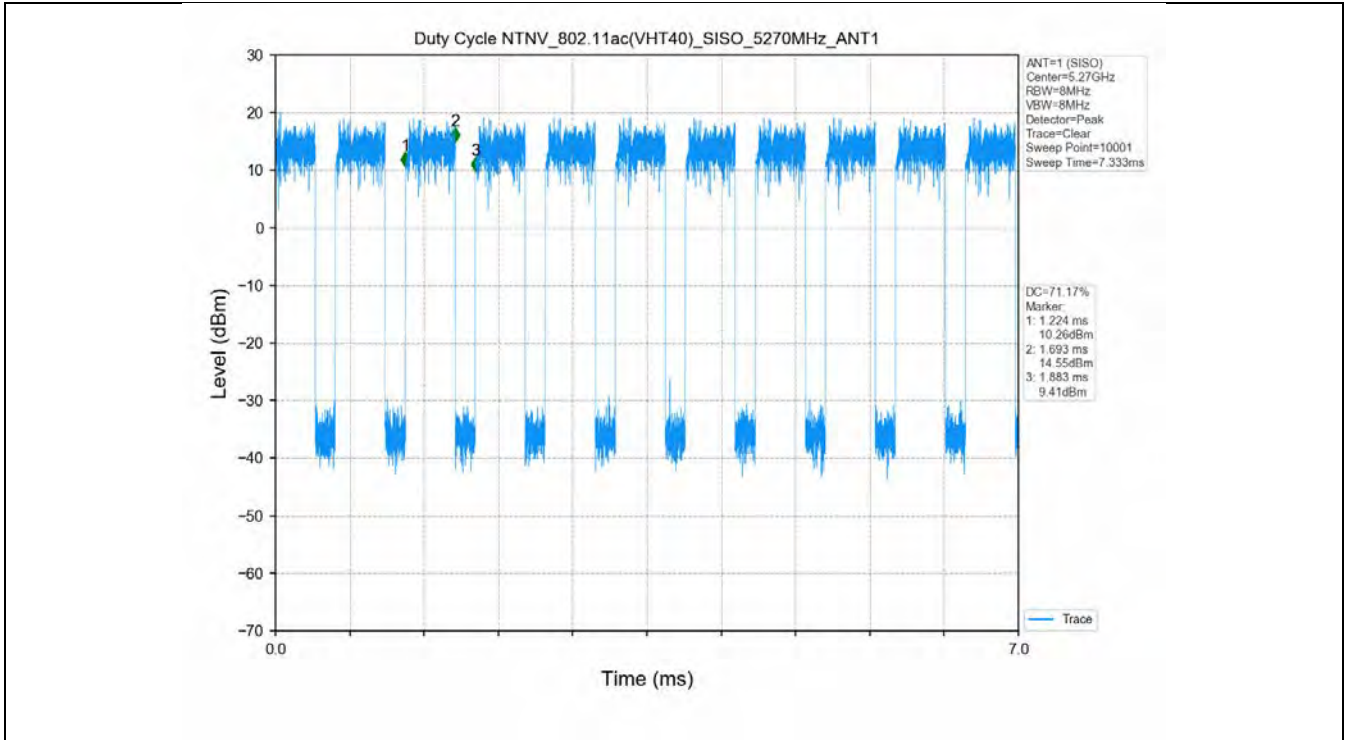


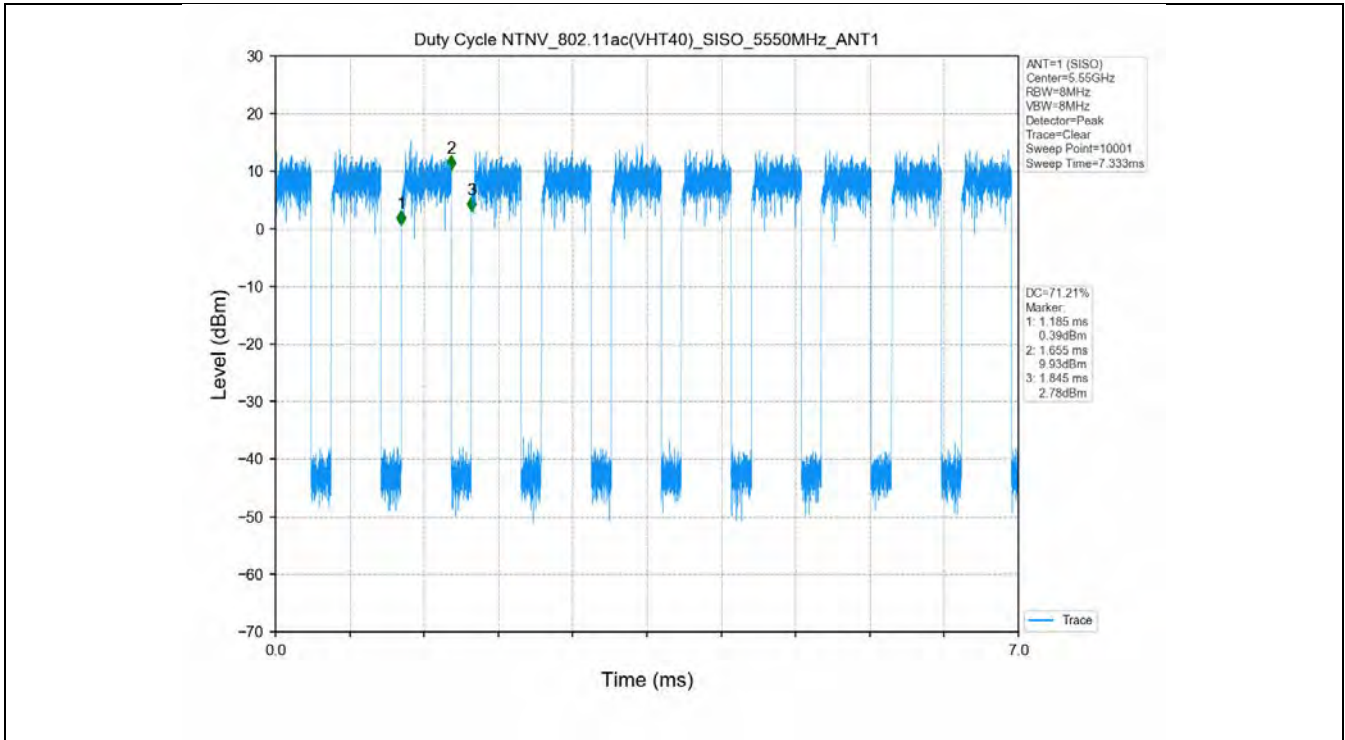
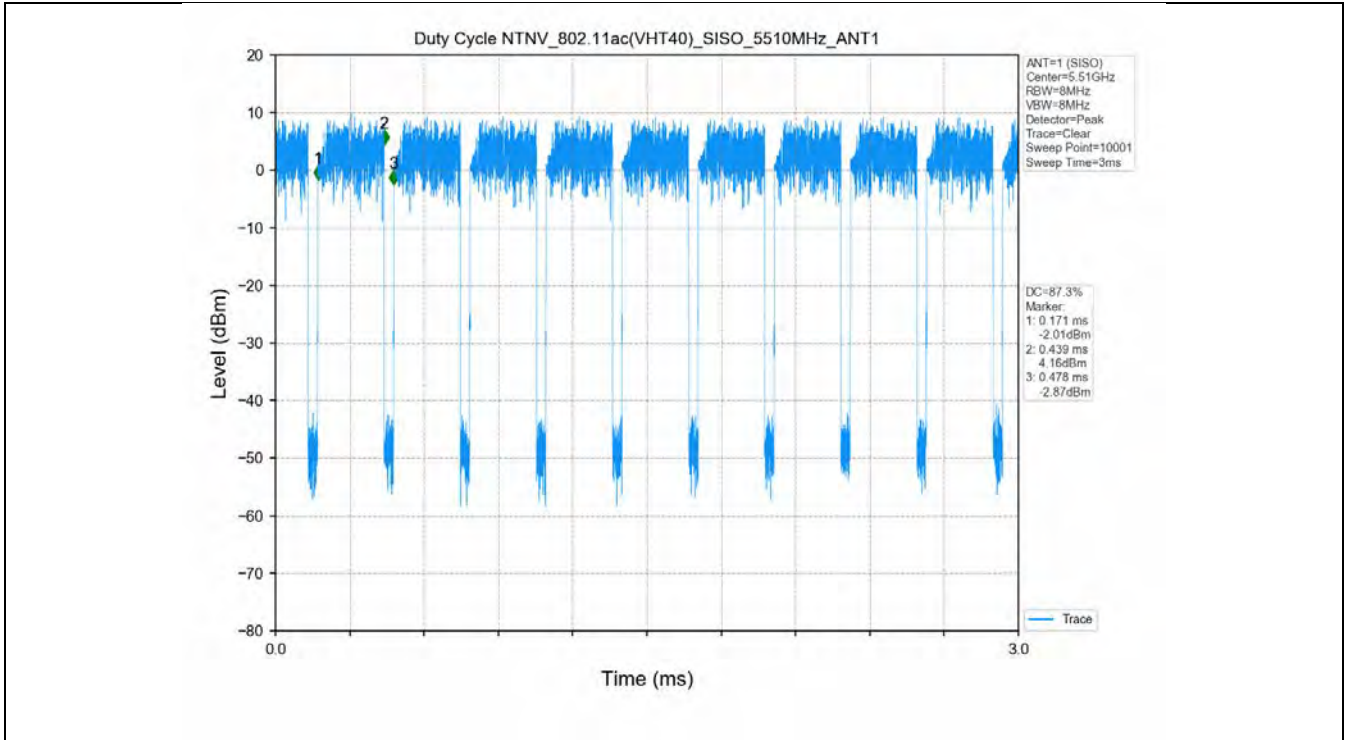


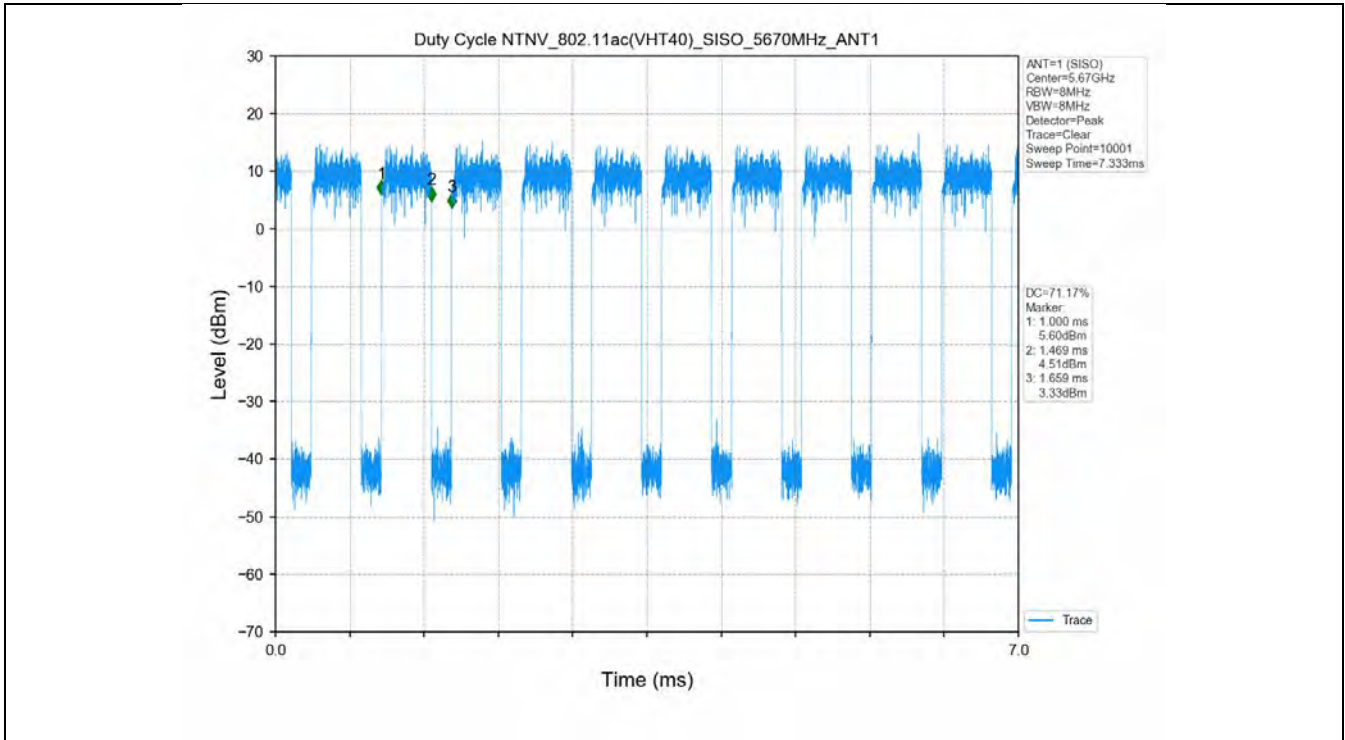
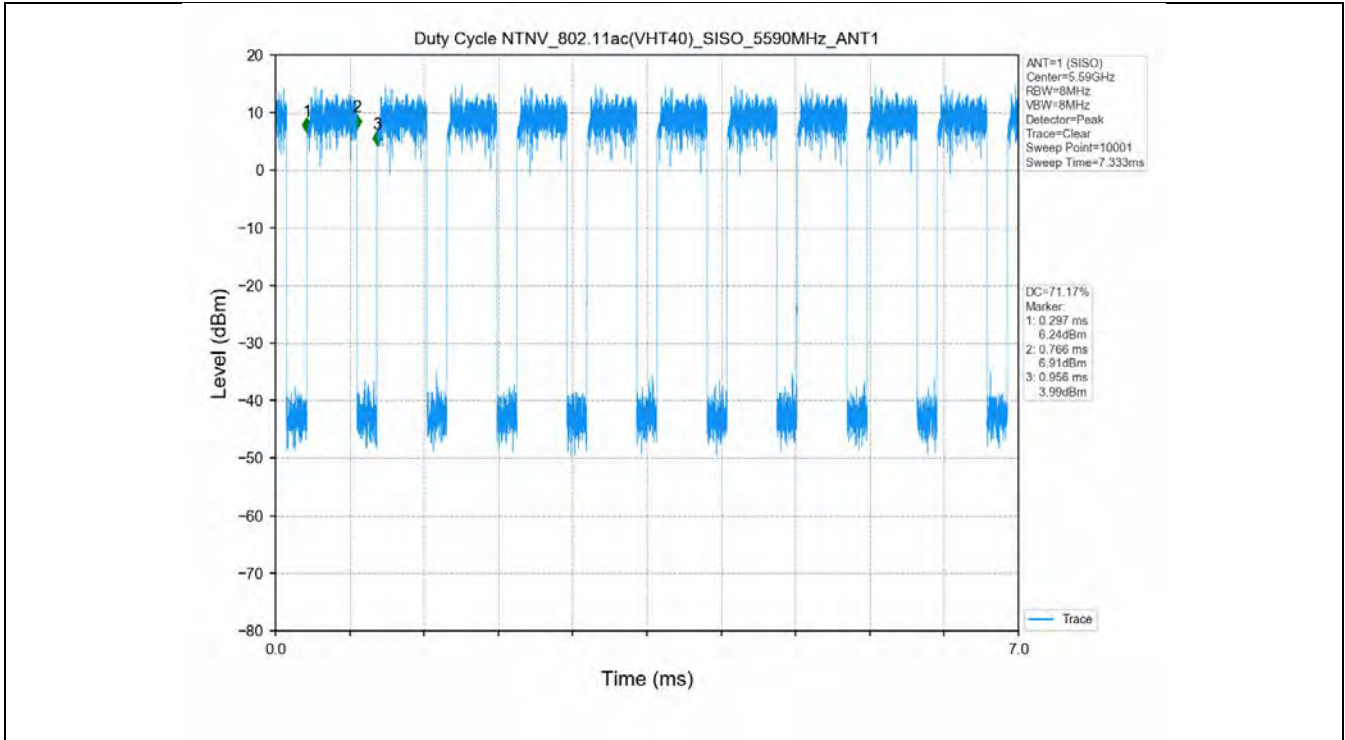


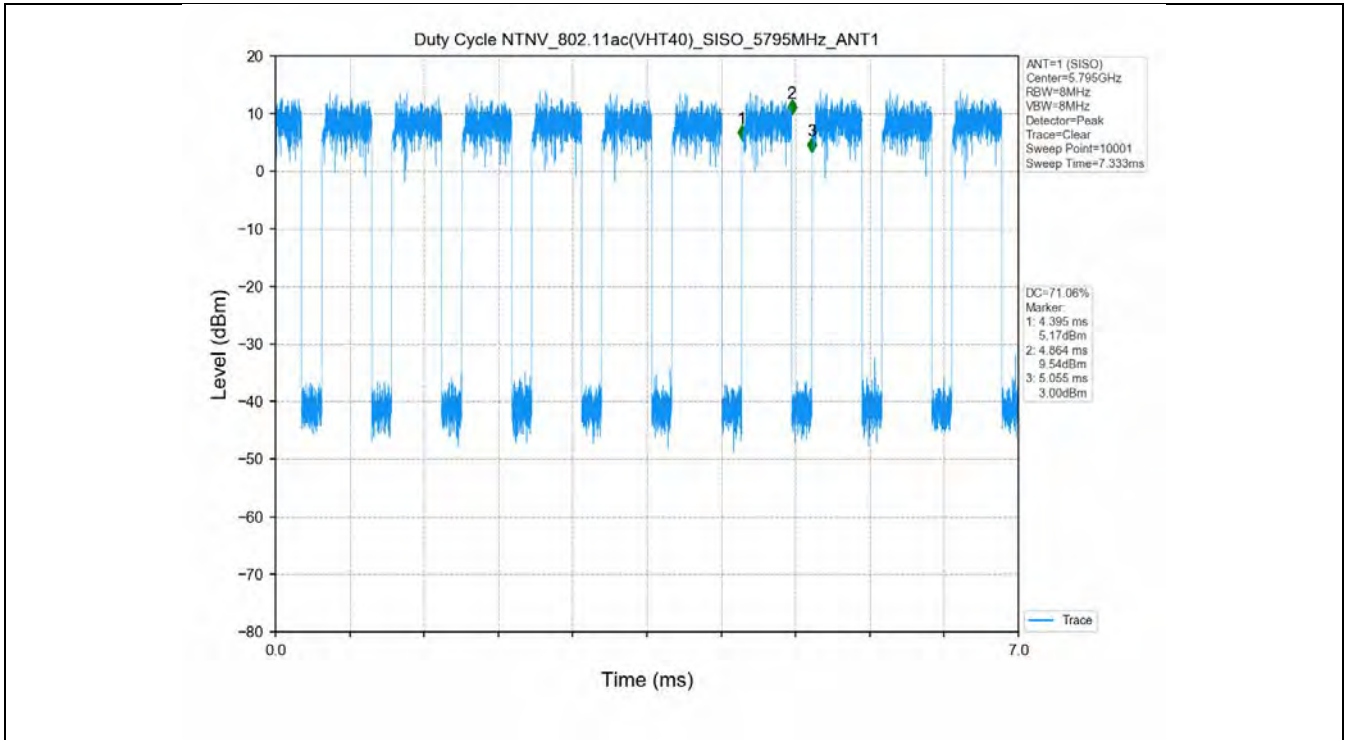
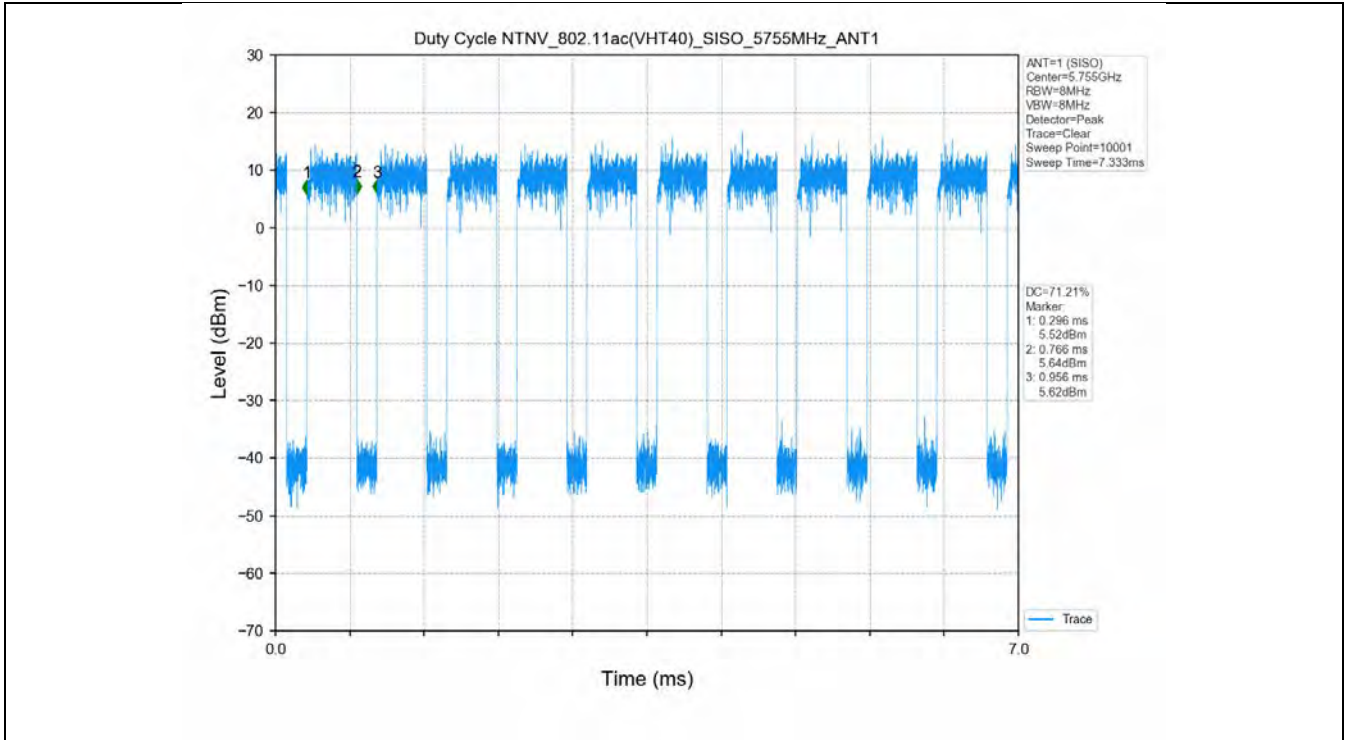


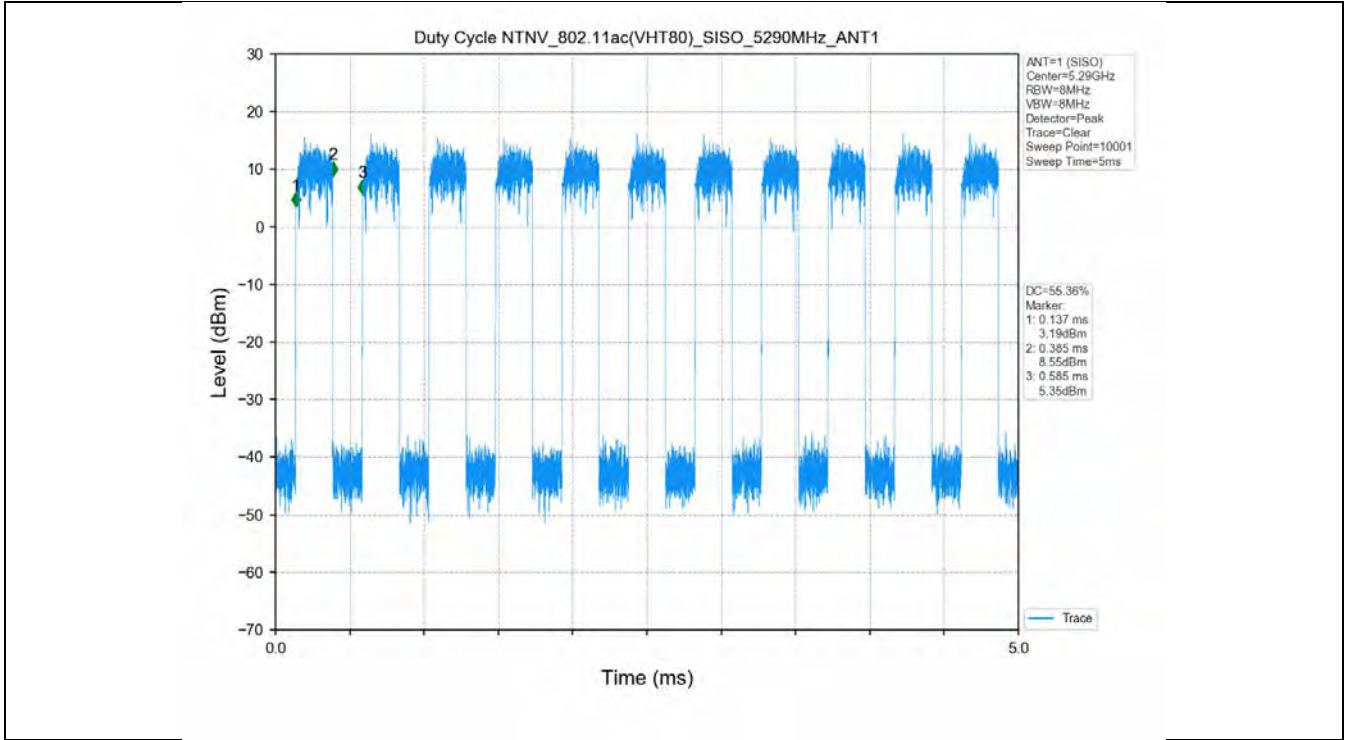
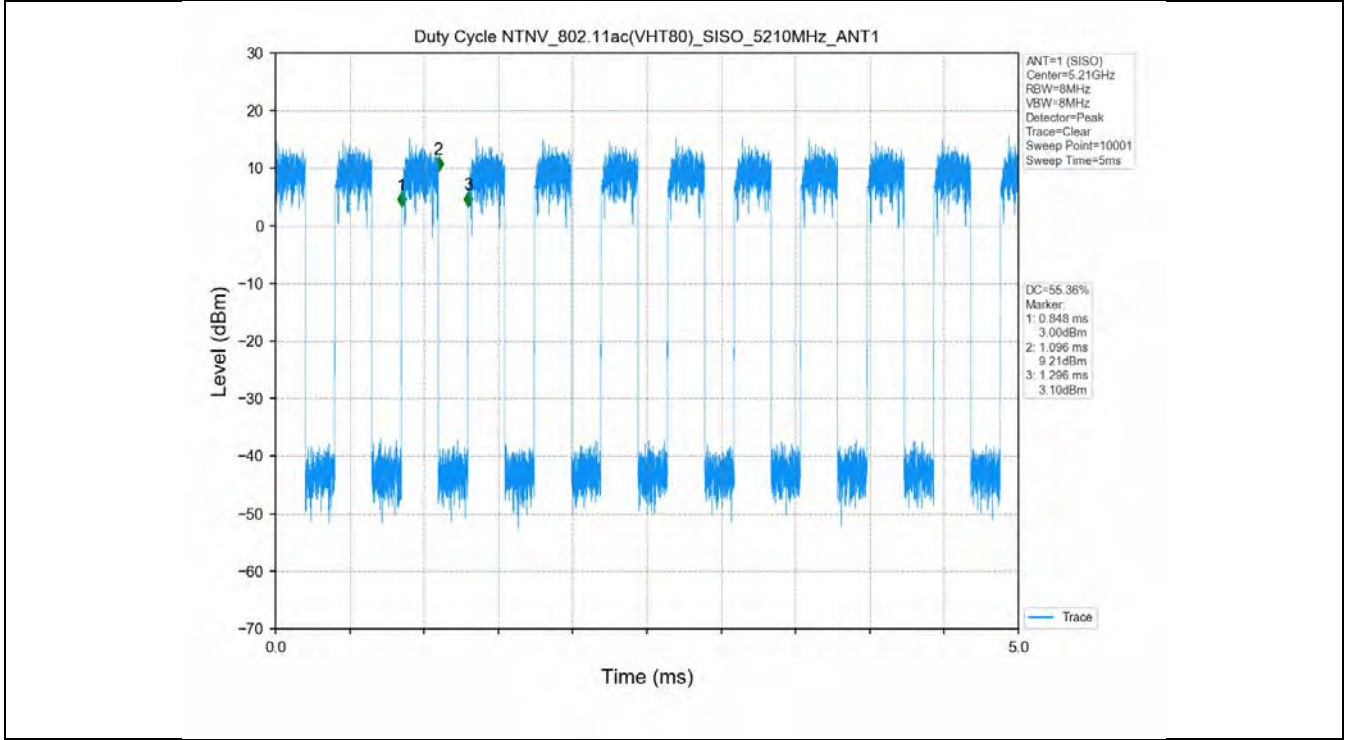


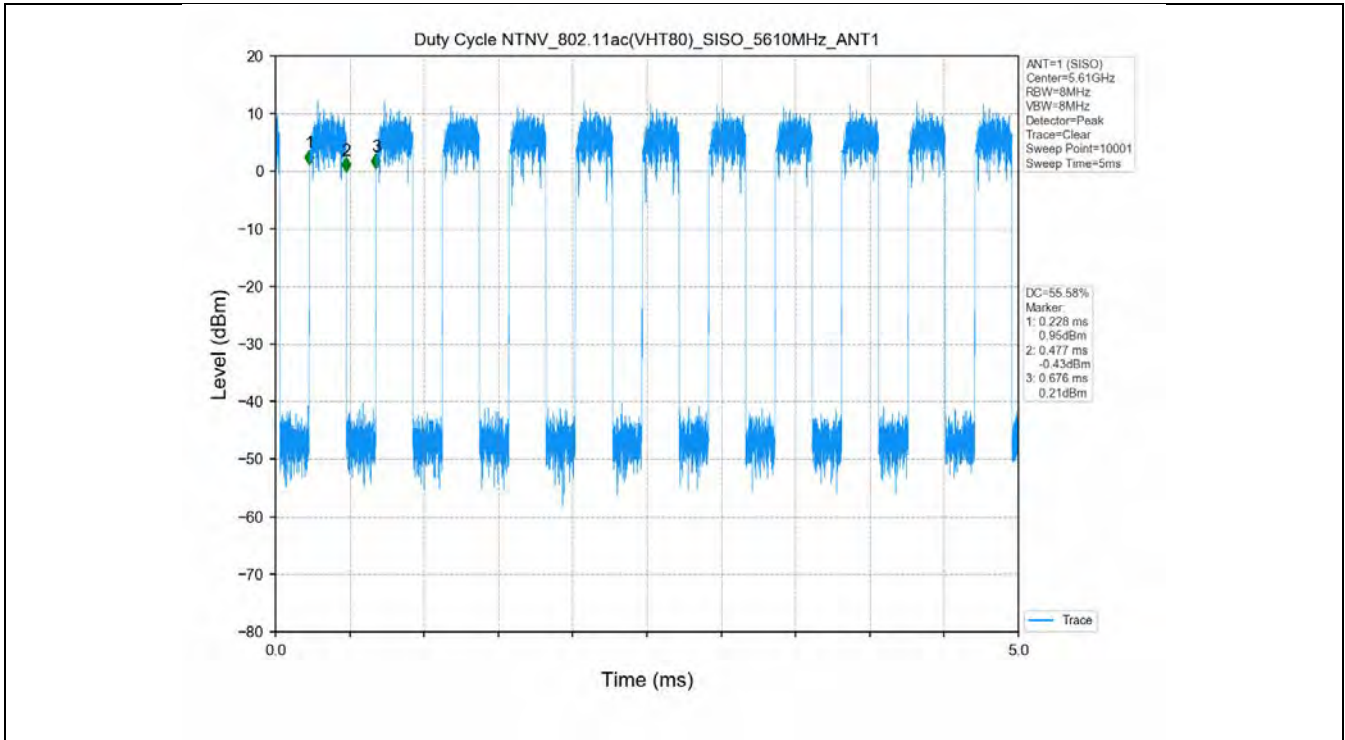
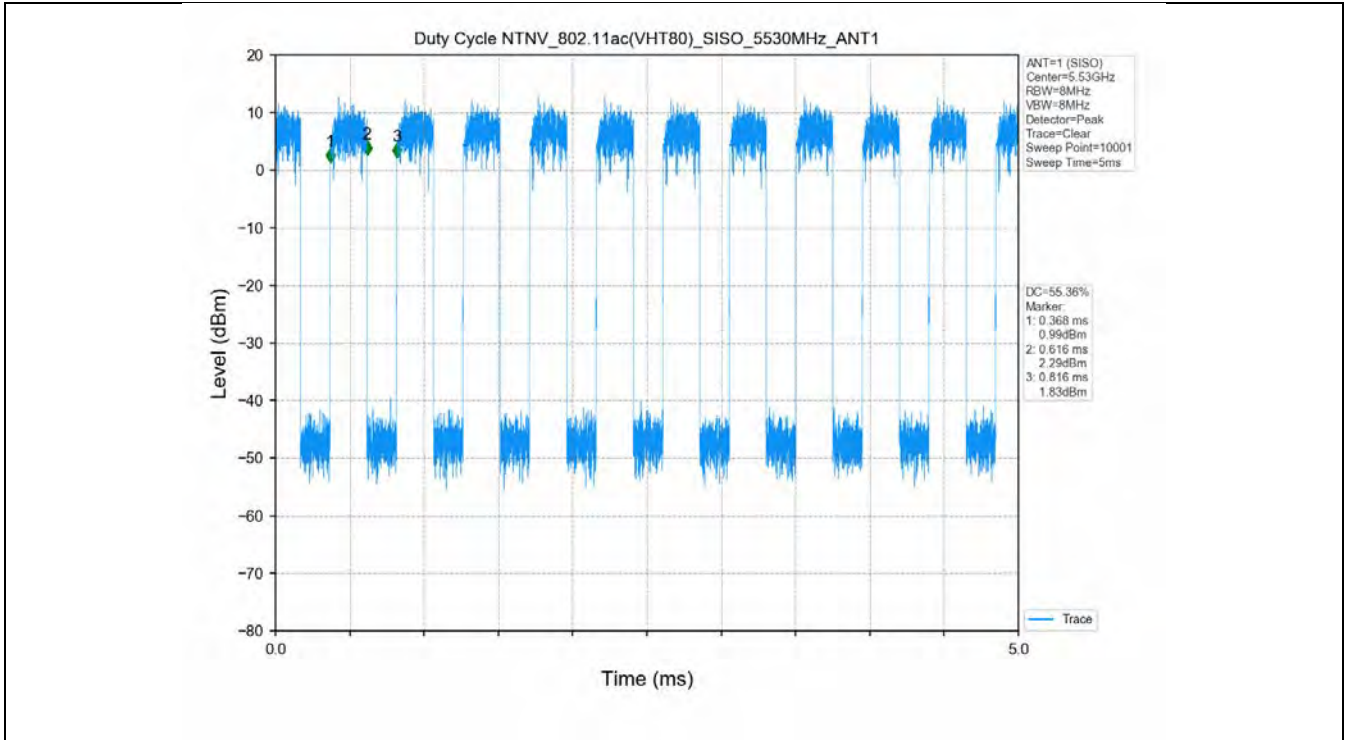


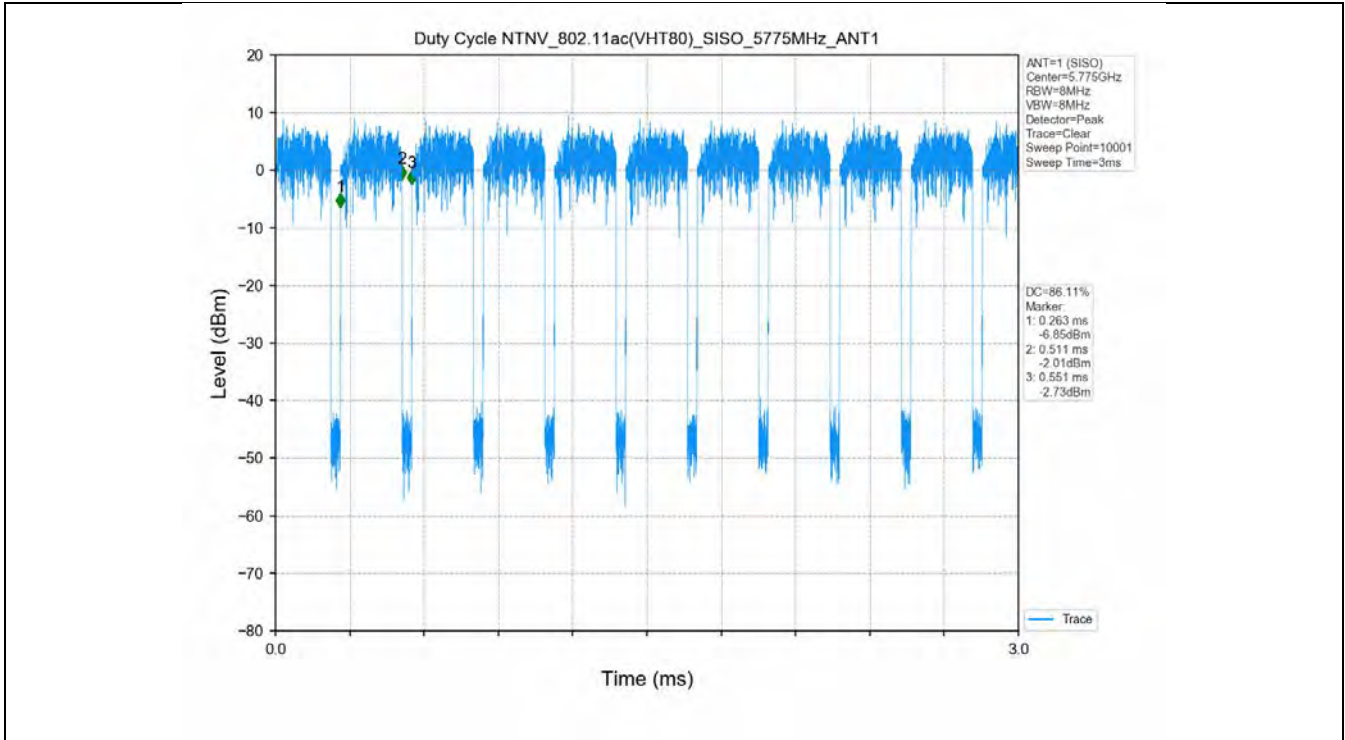












2. Bandwidth

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	21.955	Only for Report Use	PASS
	5200	SISO	1	21.126	Only for Report Use	PASS
	5240	SISO	1	21.301	Only for Report Use	PASS
	5260	SISO	1	21.504	Only for Report Use	PASS
	5300	SISO	1	21.592	Only for Report Use	PASS
	5320	SISO	1	21.013	Only for Report Use	PASS
	5500	SISO	1	21.800	Only for Report Use	PASS
	5580	SISO	1	22.315	Only for Report Use	PASS
	5600	SISO	1	22.392	Only for Report Use	PASS
802.11n(HT20)	5700	SISO	1	31.222	Only for Report Use	PASS
	5180	SISO	1	22.306	Only for Report Use	PASS
	5200	SISO	1	22.540	Only for Report Use	PASS
	5240	SISO	1	21.631	Only for Report Use	PASS
	5260	SISO	1	22.217	Only for Report Use	PASS
	5300	SISO	1	21.638	Only for Report Use	PASS
	5320	SISO	1	22.067	Only for Report Use	PASS
	5500	SISO	1	22.267	Only for Report Use	PASS
	5580	SISO	1	22.122	Only for Report Use	PASS
802.11n(HT40)	5600	SISO	1	21.728	Only for Report Use	PASS
	5700	SISO	1	32.326	Only for Report Use	PASS
	5190	SISO	1	42.504	Only for Report Use	PASS
	5230	SISO	1	43.841	Only for Report Use	PASS
	5270	SISO	1	43.129	Only for Report Use	PASS
802.11n(HT40)	5310	SISO	1	43.239	Only for Report Use	PASS
	5510	SISO	1	42.212	Only for Report Use	PASS

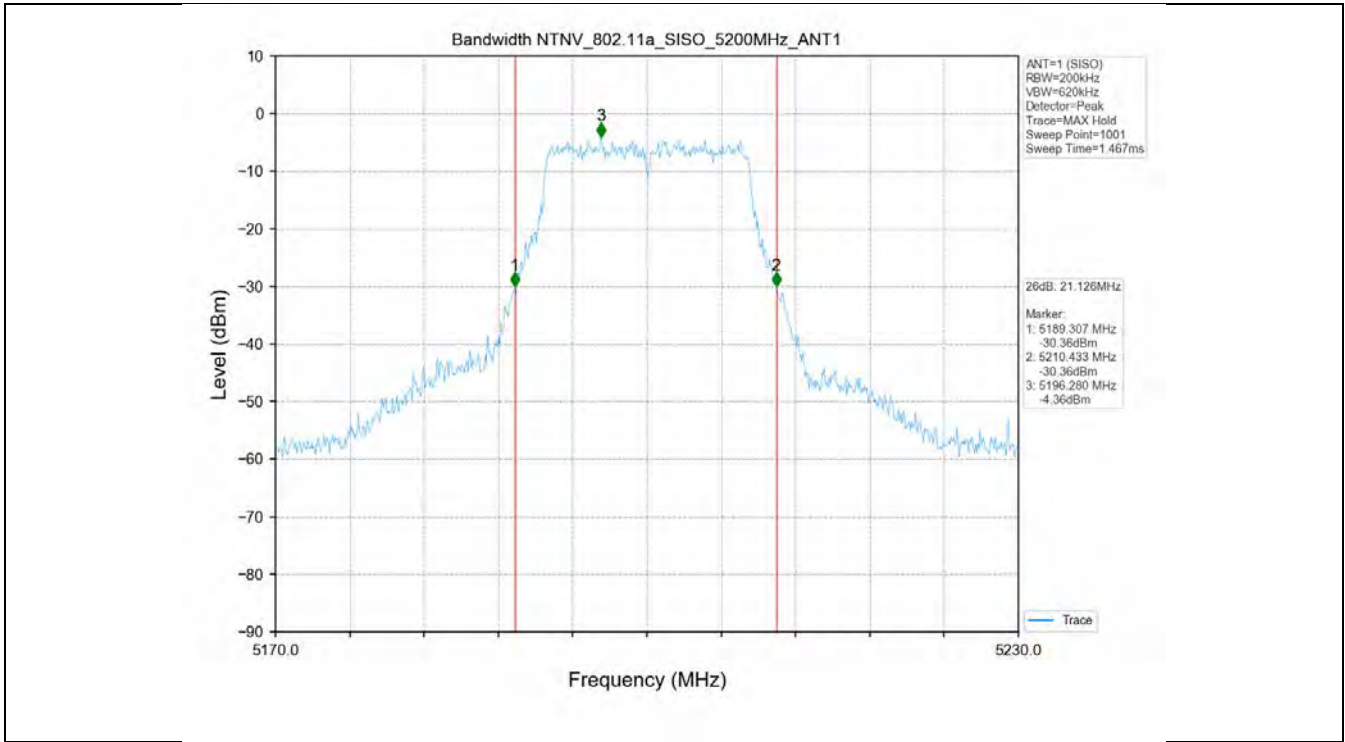
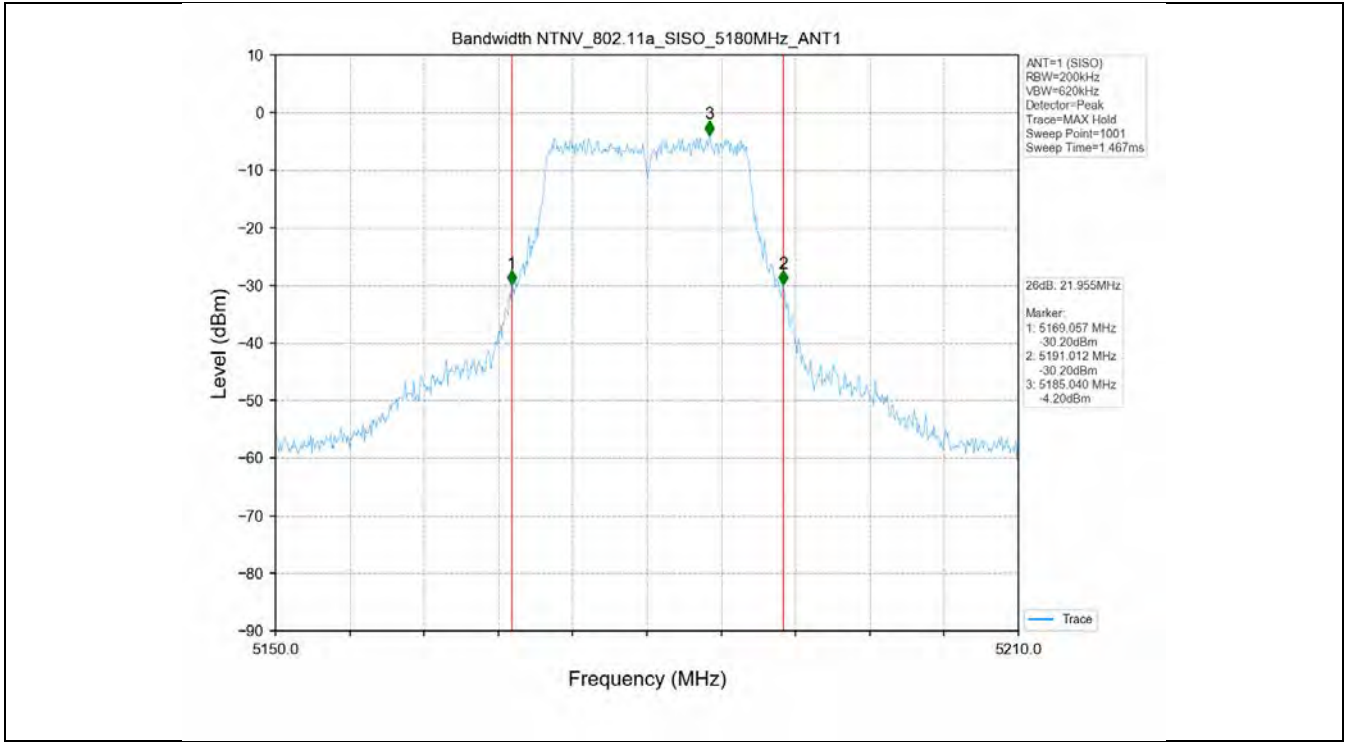
	5550	SISO	1	51.829	Only for Report Use	PASS
	5590	SISO	1	51.595	Only for Report Use	PASS
	5670	SISO	1	72.428	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	21.949	Only for Report Use	PASS
	5200	SISO	1	21.744	Only for Report Use	PASS
	5240	SISO	1	21.669	Only for Report Use	PASS
	5260	SISO	1	21.880	Only for Report Use	PASS
	5300	SISO	1	21.763	Only for Report Use	PASS
	5320	SISO	1	21.729	Only for Report Use	PASS
	5500	SISO	1	21.706	Only for Report Use	PASS
	5580	SISO	1	21.543	Only for Report Use	PASS
	5600	SISO	1	22.244	Only for Report Use	PASS
	5700	SISO	1	31.741	Only for Report Use	PASS
	802.11ac(VHT40)	5190	SISO	1	43.050	Only for Report Use
5230		SISO	1	42.851	Only for Report Use	PASS
5270		SISO	1	42.146	Only for Report Use	PASS
5310		SISO	1	42.244	Only for Report Use	PASS
5510		SISO	1	42.555	Only for Report Use	PASS
5550		SISO	1	43.200	Only for Report Use	PASS
5590		SISO	1	47.520	Only for Report Use	PASS
802.11ac(VHT80)	5670	SISO	1	64.753	Only for Report Use	PASS
	5210	SISO	1	83.780	Only for Report Use	PASS
	5290	SISO	1	83.333	Only for Report Use	PASS
	5530	SISO	1	81.525	Only for Report Use	PASS
	5610	SISO	1	90.110	Only for Report Use	PASS

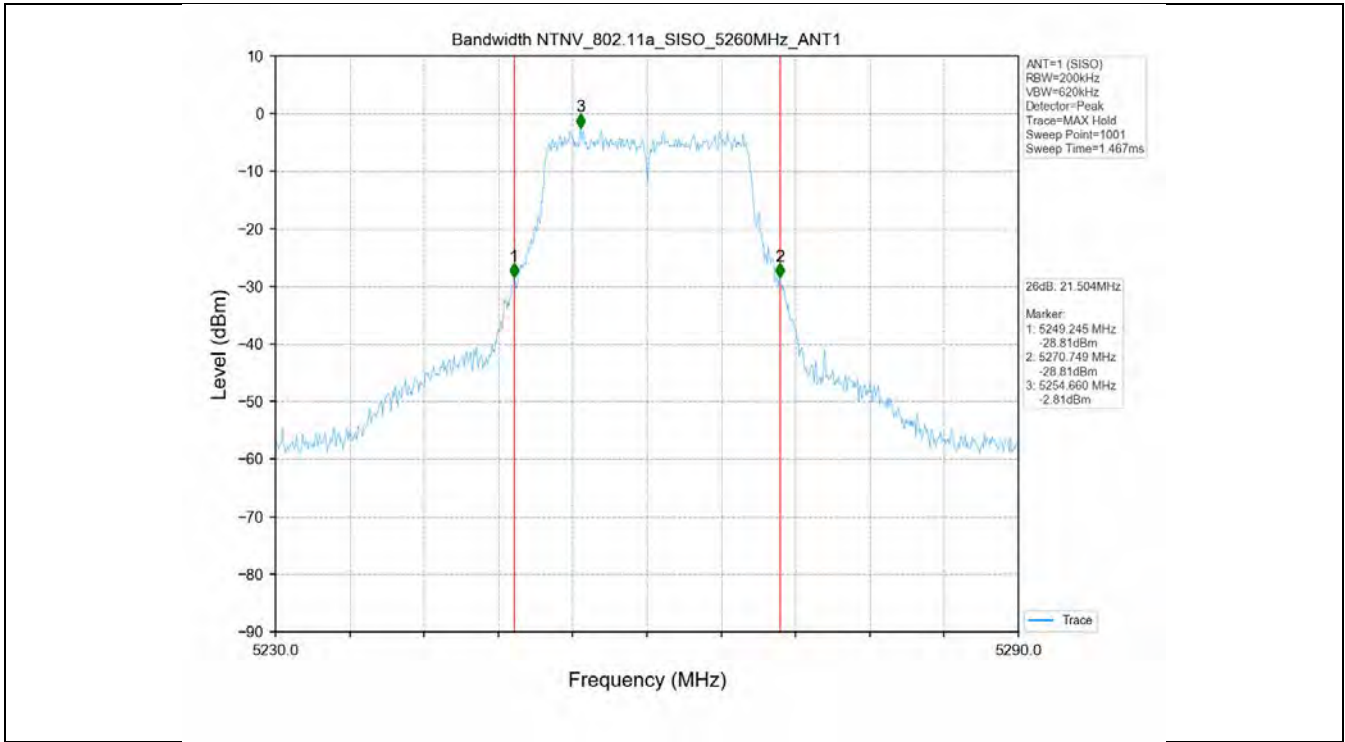
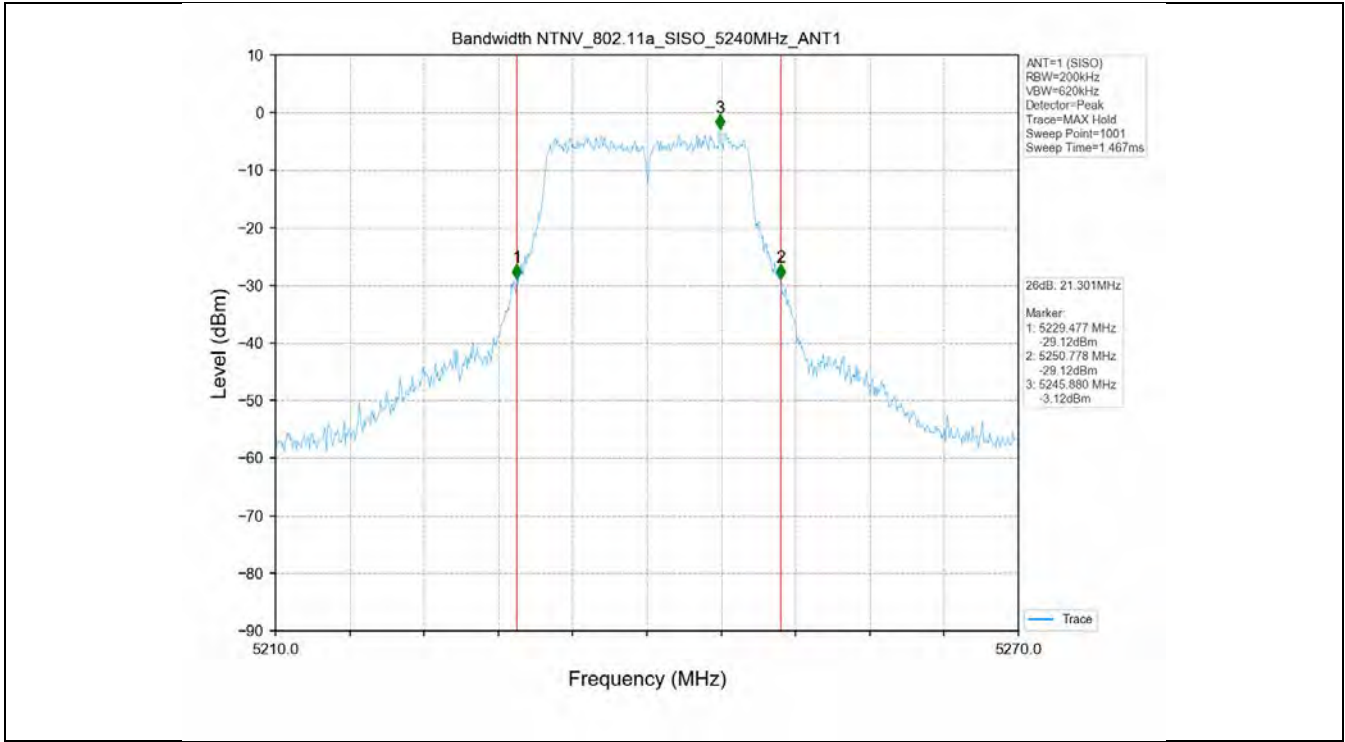
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.367	≥0.5	PASS
	5785	SISO	1	16.420	≥0.5	PASS
	5825	SISO	1	16.370	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	17.594	≥0.5	PASS
	5785	SISO	1	17.630	≥0.5	PASS
	5825	SISO	1	17.613	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.247	≥0.5	PASS
	5795	SISO	1	35.372	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	17.306	≥0.5	PASS
	5785	SISO	1	17.613	≥0.5	PASS
	5825	SISO	1	17.620	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.206	≥0.5	PASS
	5795	SISO	1	35.215	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.324	≥0.5	PASS

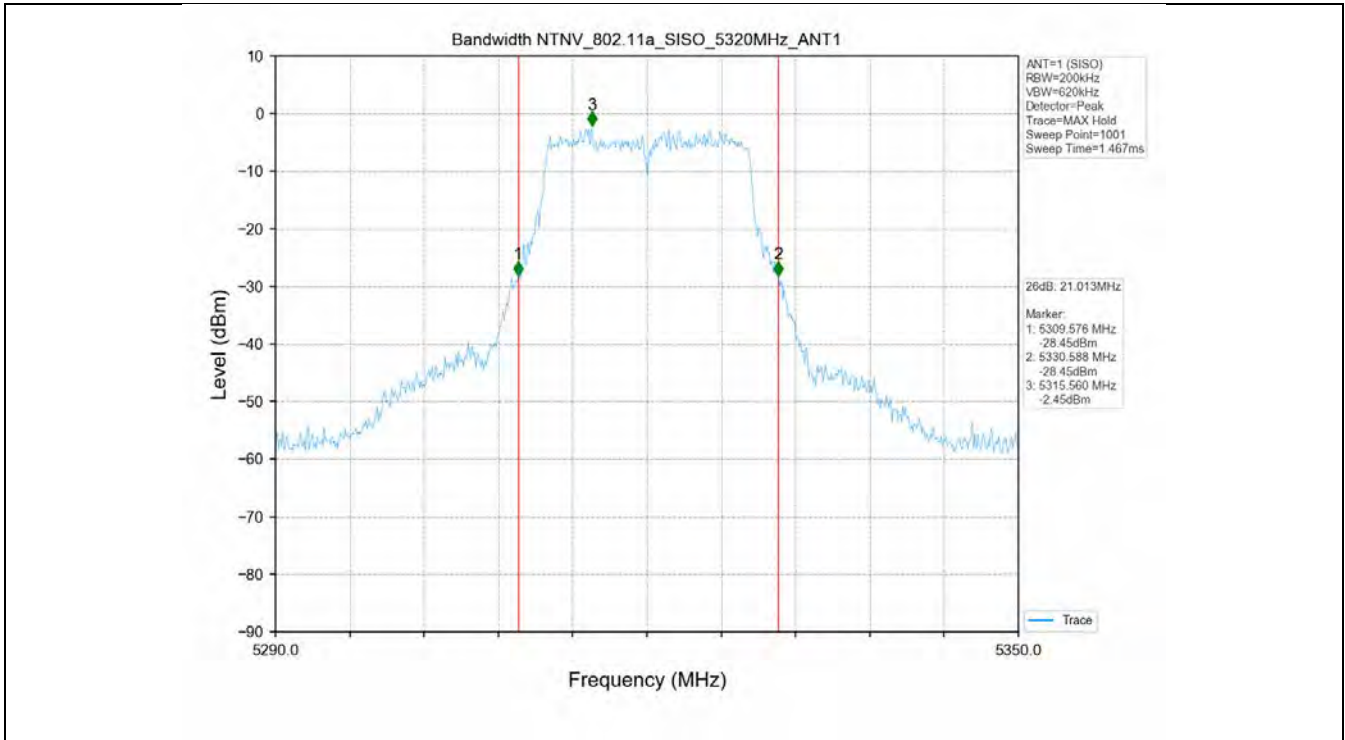
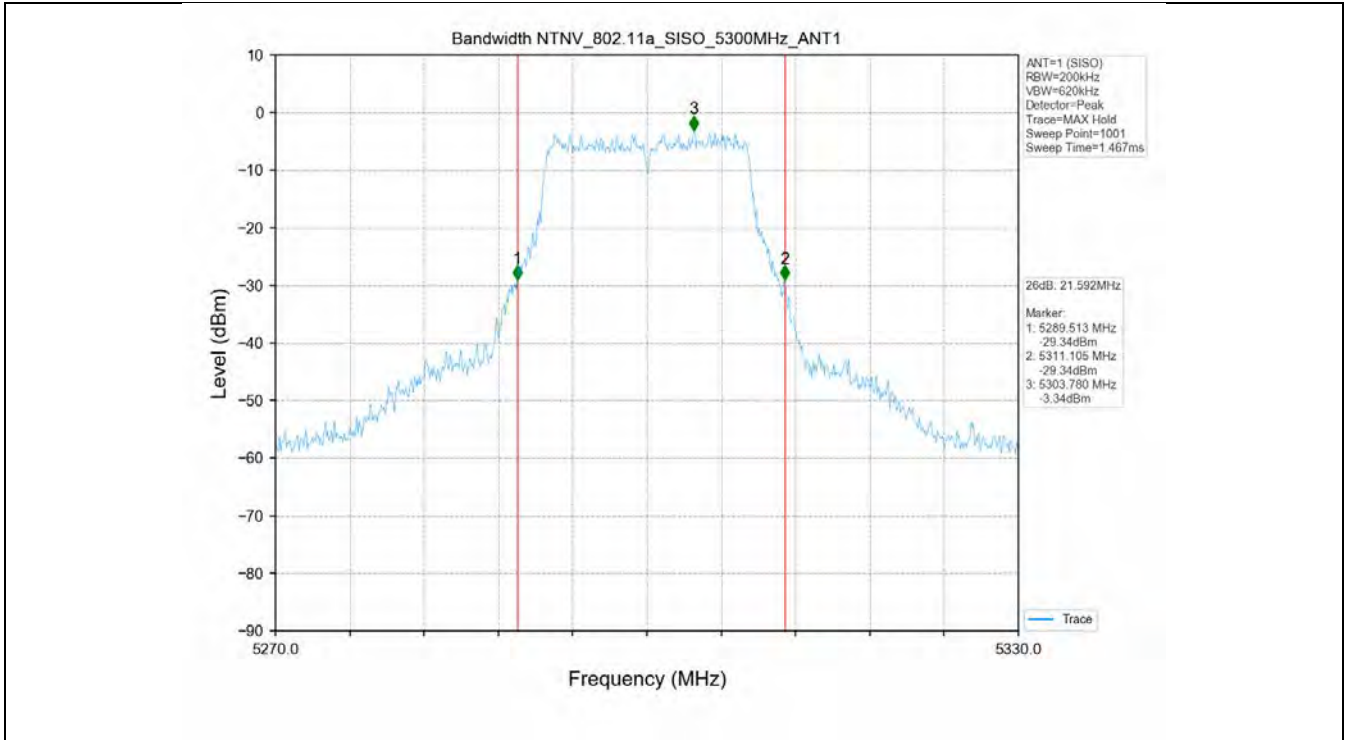
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	17.004	Only for Report Use
	5200	SISO	1	17.004	Only for Report Use
	5240	SISO	1	16.946	Only for Report Use
	5260	SISO	1	16.978	Only for Report Use
	5300	SISO	1	16.907	Only for Report Use
	5320	SISO	1	16.987	Only for Report Use
	5500	SISO	1	17.073	Only for Report Use
	5580	SISO	1	17.122	Only for Report Use
	5600	SISO	1	17.169	Only for Report Use
	5700	SISO	1	18.176	Only for Report Use
	5745	SISO	1	17.733	Only for Report Use
	5785	SISO	1	18.017	Only for Report Use

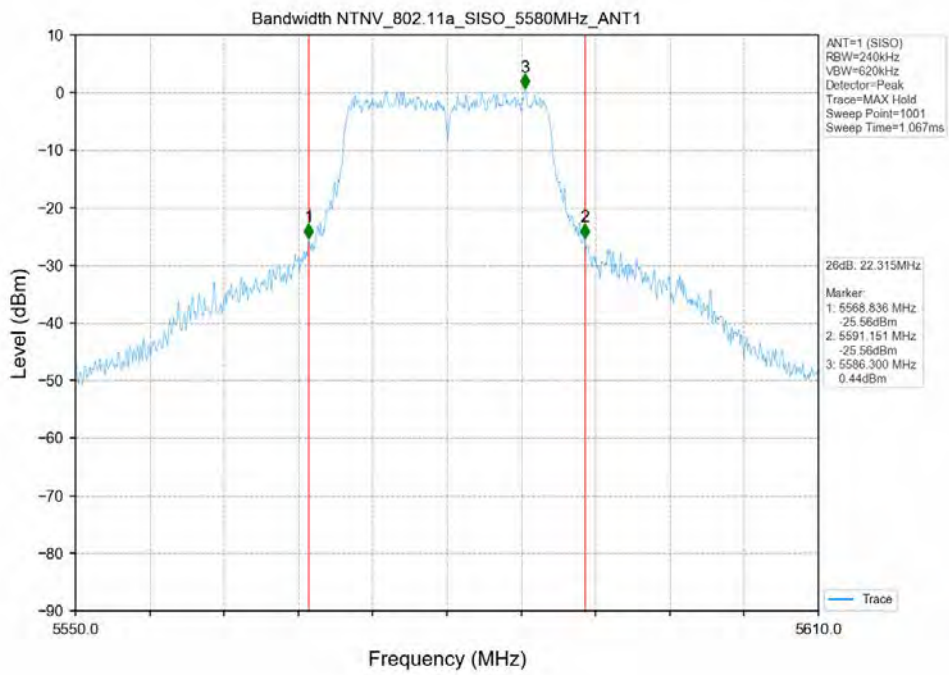
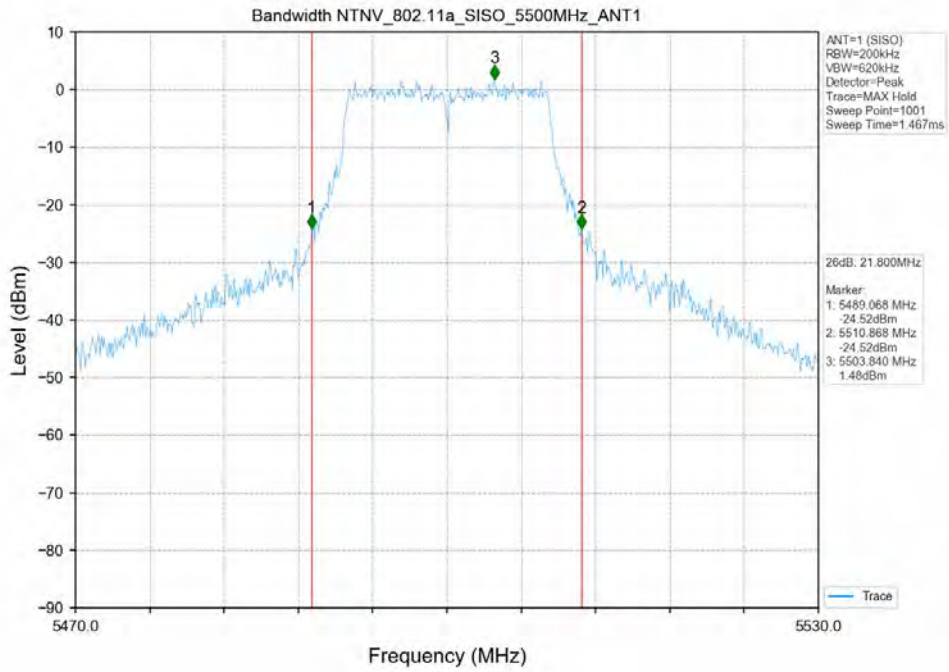
	5825	SISO	1	17.370	Only for Report Use
802.11n(HT20)	5180	SISO	1	18.056	Only for Report Use
	5200	SISO	1	18.128	Only for Report Use
	5240	SISO	1	18.082	Only for Report Use
	5260	SISO	1	18.041	Only for Report Use
	5300	SISO	1	18.024	Only for Report Use
	5320	SISO	1	18.026	Only for Report Use
	5500	SISO	1	18.140	Only for Report Use
	5580	SISO	1	18.108	Only for Report Use
	5600	SISO	1	18.171	Only for Report Use
	5700	SISO	1	18.666	Only for Report Use
	5745	SISO	1	18.405	Only for Report Use
	5785	SISO	1	18.737	Only for Report Use
	5825	SISO	1	18.379	Only for Report Use
	802.11n(HT40)	5190	SISO	1	36.549
5230		SISO	1	36.768	Only for Report Use
5270		SISO	1	36.542	Only for Report Use
5310		SISO	1	36.628	Only for Report Use
5510		SISO	1	36.384	Only for Report Use
5550		SISO	1	36.970	Only for Report Use
5590		SISO	1	36.690	Only for Report Use
5670		SISO	1	37.160	Only for Report Use
5755		SISO	1	38.127	Only for Report Use
5795		SISO	1	38.411	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	18.101	Only for Report Use
	5200	SISO	1	18.105	Only for Report Use
	5240	SISO	1	18.083	Only for Report Use
	5260	SISO	1	18.116	Only for Report Use
	5300	SISO	1	18.088	Only for Report Use
	5320	SISO	1	18.100	Only for Report Use
	5500	SISO	1	18.081	Only for Report Use
	5580	SISO	1	18.083	Only for Report Use
	5600	SISO	1	18.031	Only for Report Use
	5700	SISO	1	18.546	Only for Report Use
	5745	SISO	1	18.303	Only for Report Use
	5785	SISO	1	18.598	Only for Report Use
5825	SISO	1	18.243	Only for Report Use	
802.11ac(VHT40)	5190	SISO	1	36.677	Only for Report Use
	5230	SISO	1	36.645	Only for Report Use
	5270	SISO	1	36.804	Only for Report Use
	5310	SISO	1	36.625	Only for Report Use
	5510	SISO	1	36.934	Only for Report Use
	5550	SISO	1	37.034	Only for Report Use
	5590	SISO	1	36.591	Only for Report Use
	5670	SISO	1	37.250	Only for Report Use
	5755	SISO	1	38.048	Only for Report Use
	5795	SISO	1	38.516	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	75.108	Only for Report Use
	5290	SISO	1	74.945	Only for Report Use
	5530	SISO	1	74.670	Only for Report Use
	5610	SISO	1	74.880	Only for Report Use
	5775	SISO	1	75.498	Only for Report Use

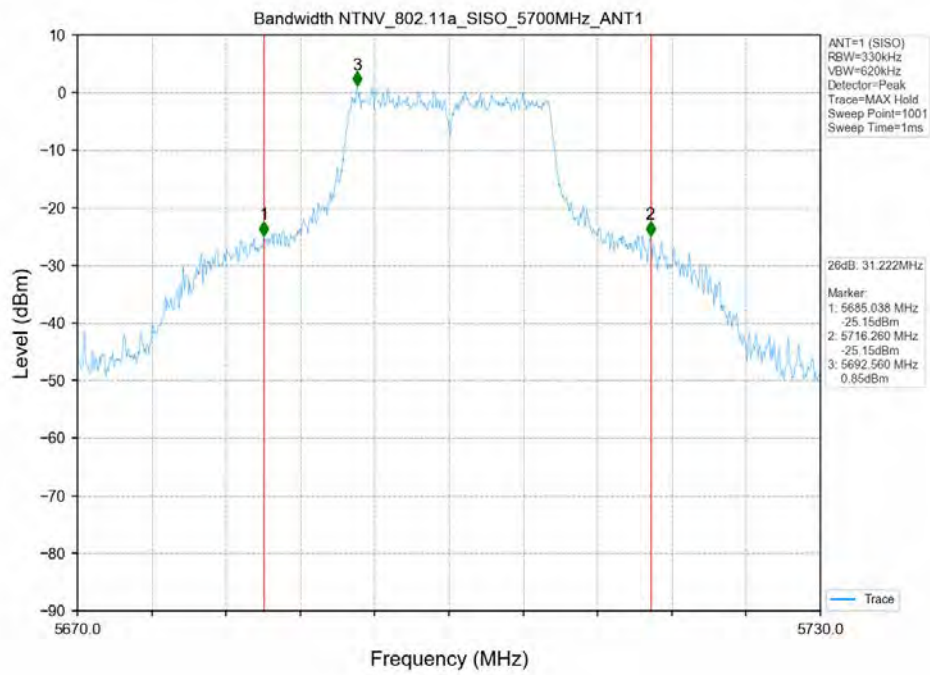
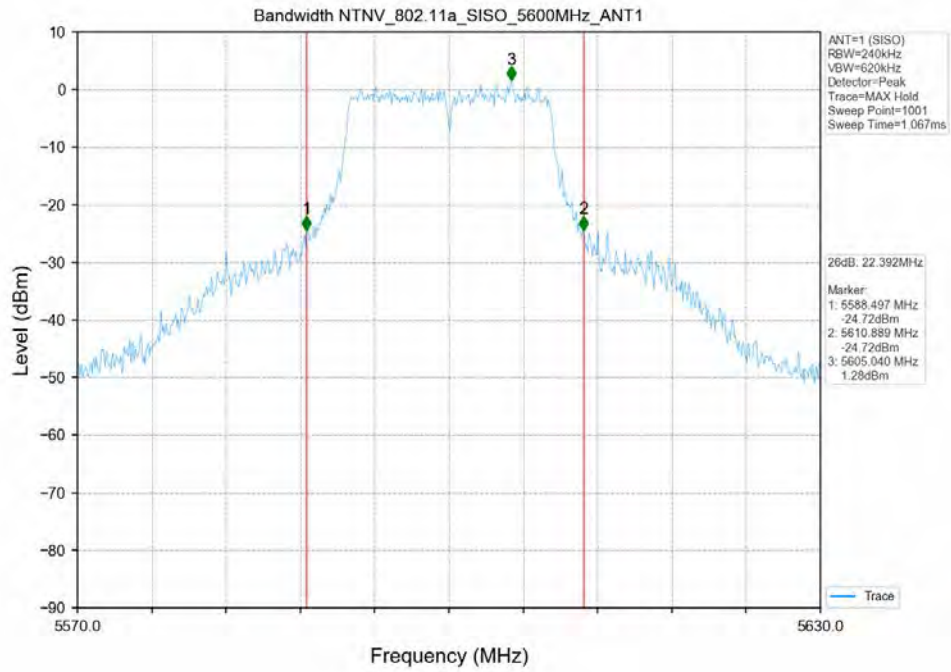
2.2 Test Graph - Emission Bandwidth

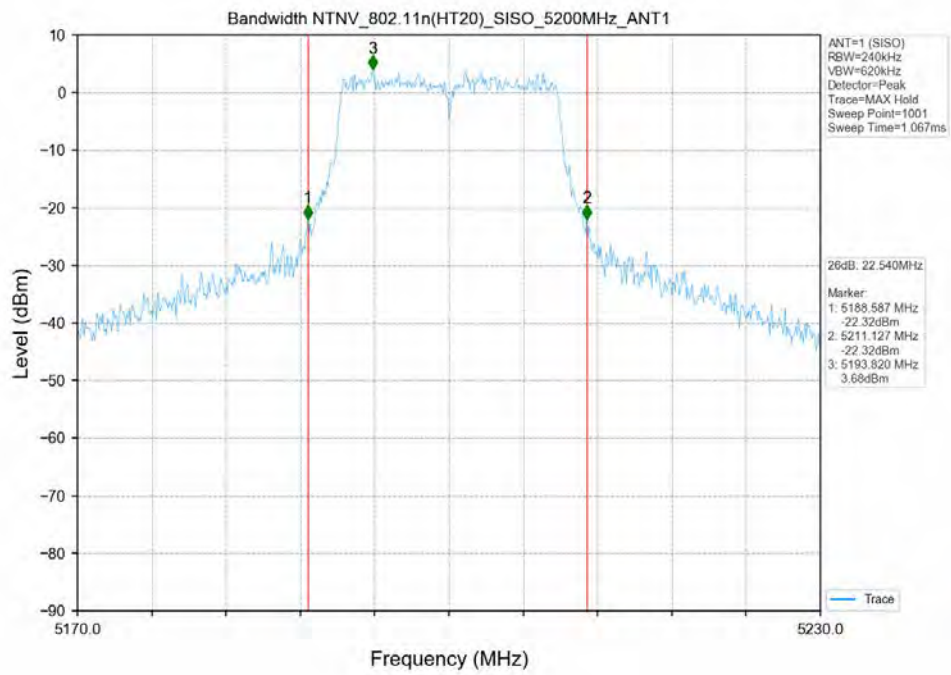
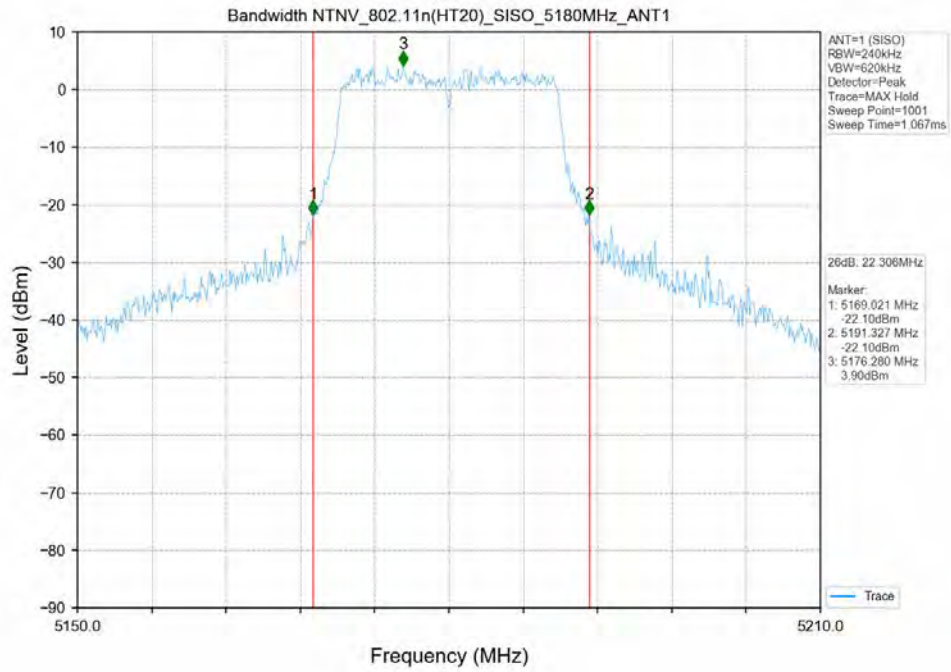


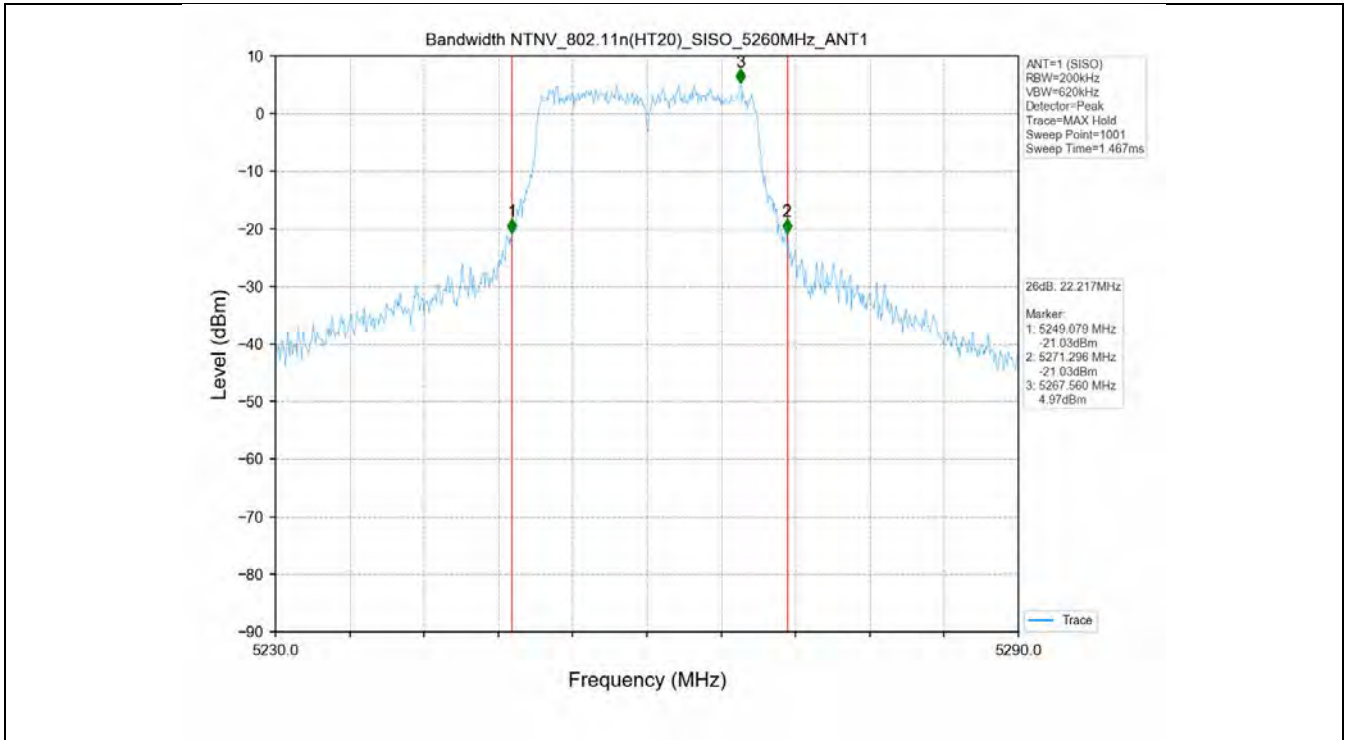
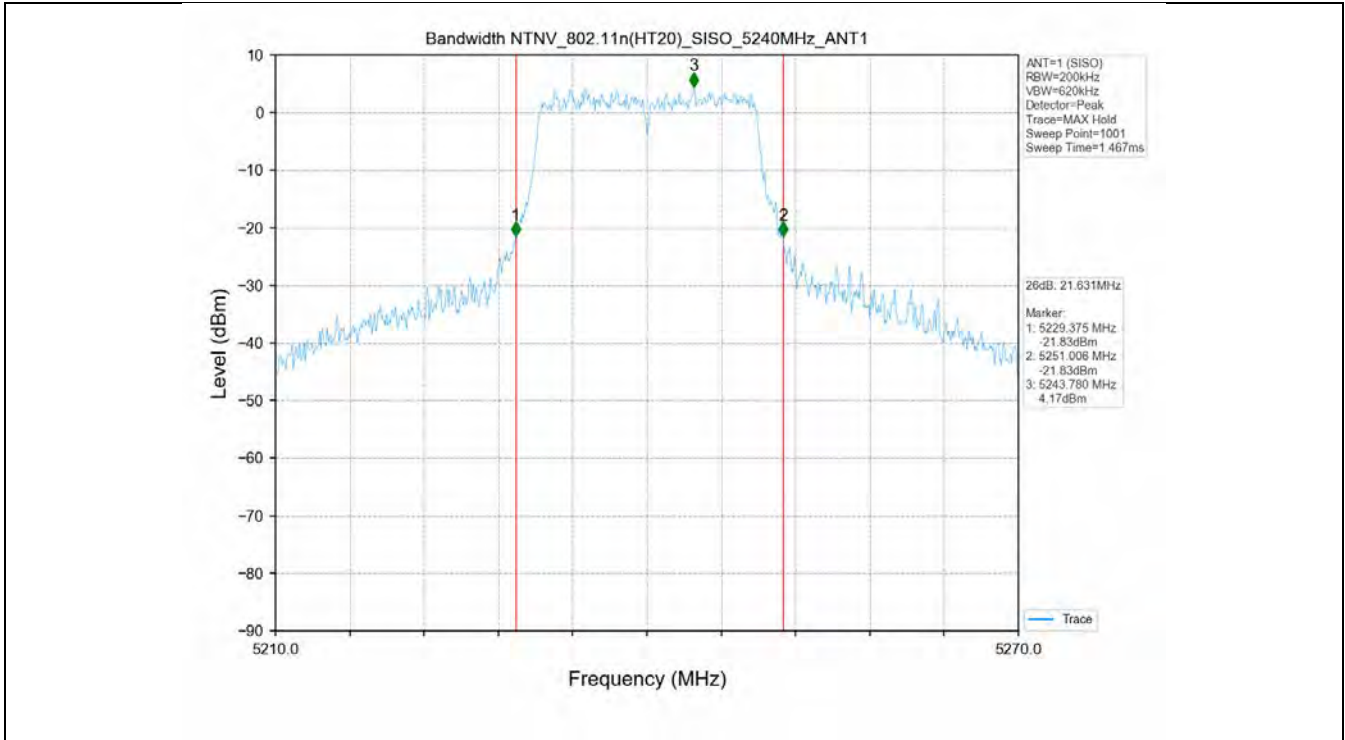


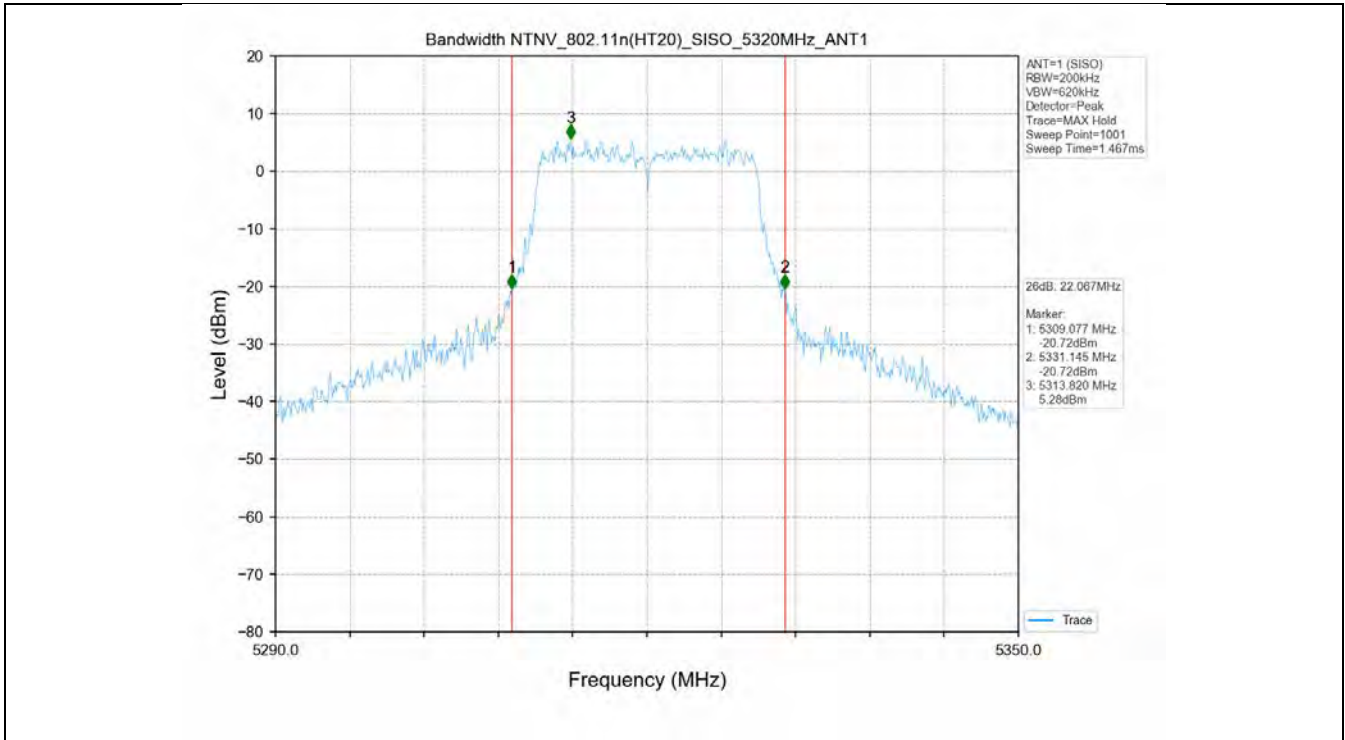
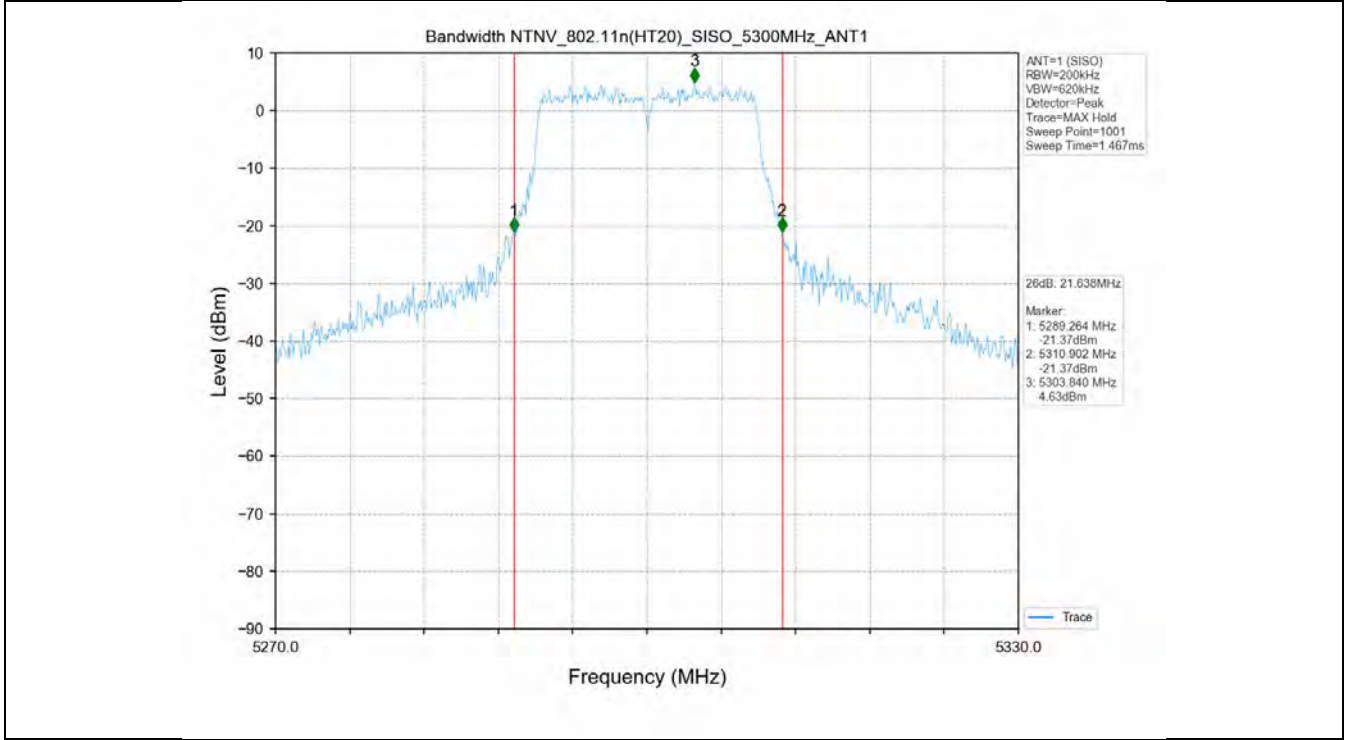


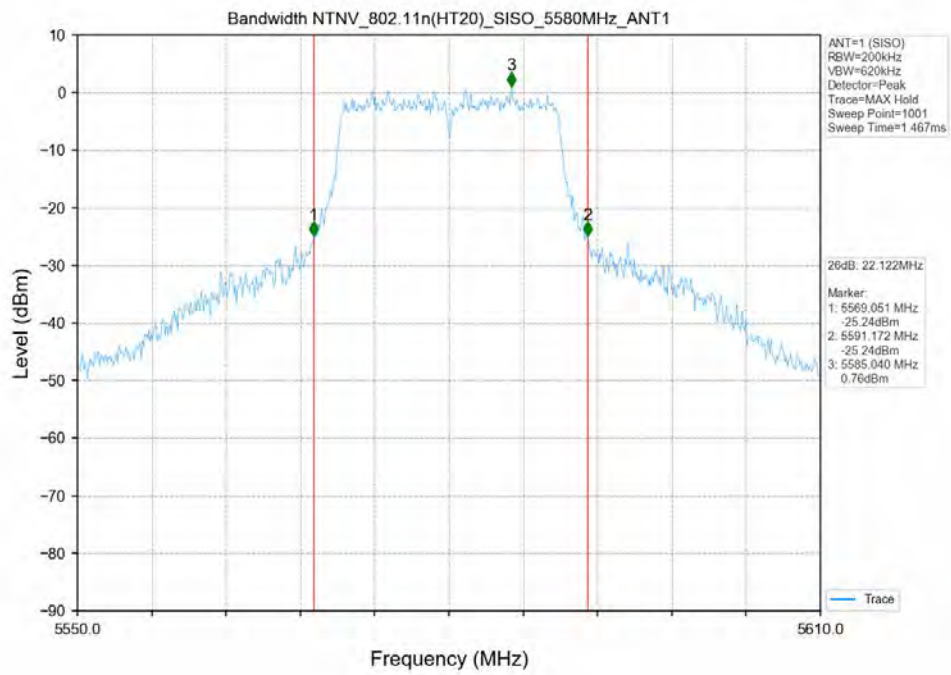
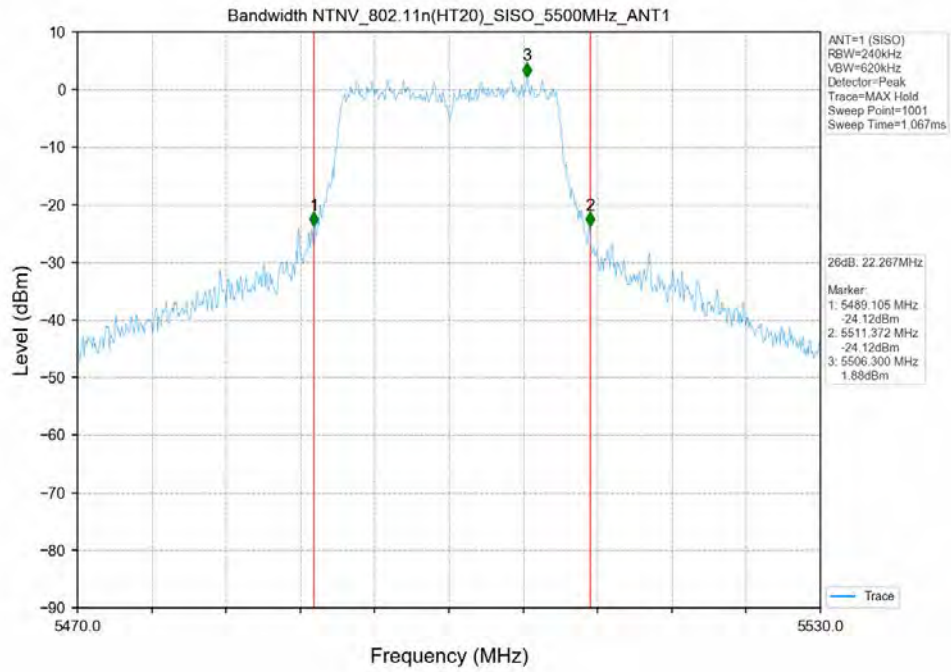


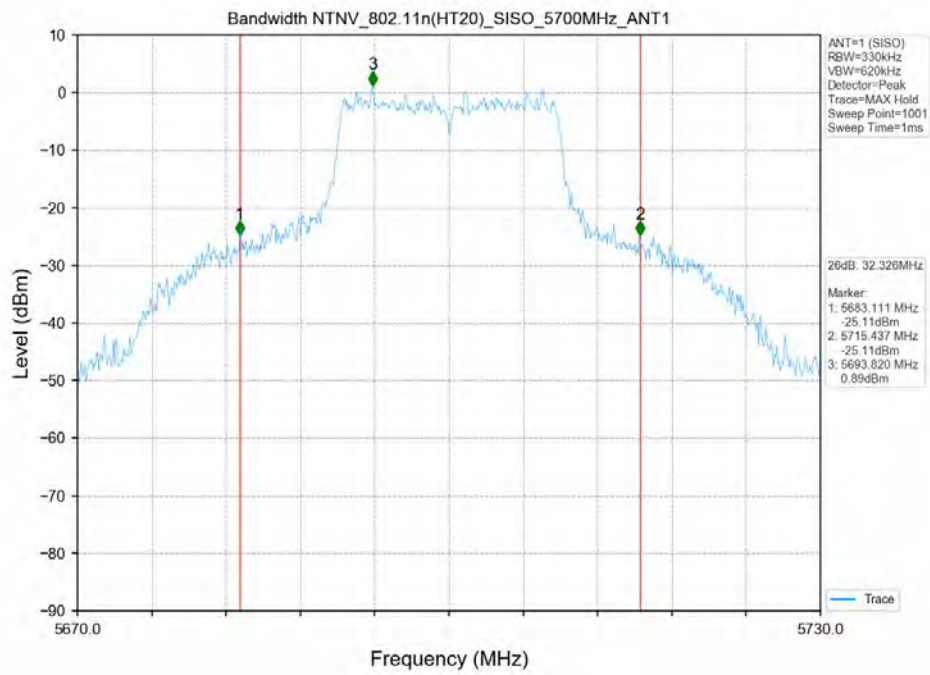
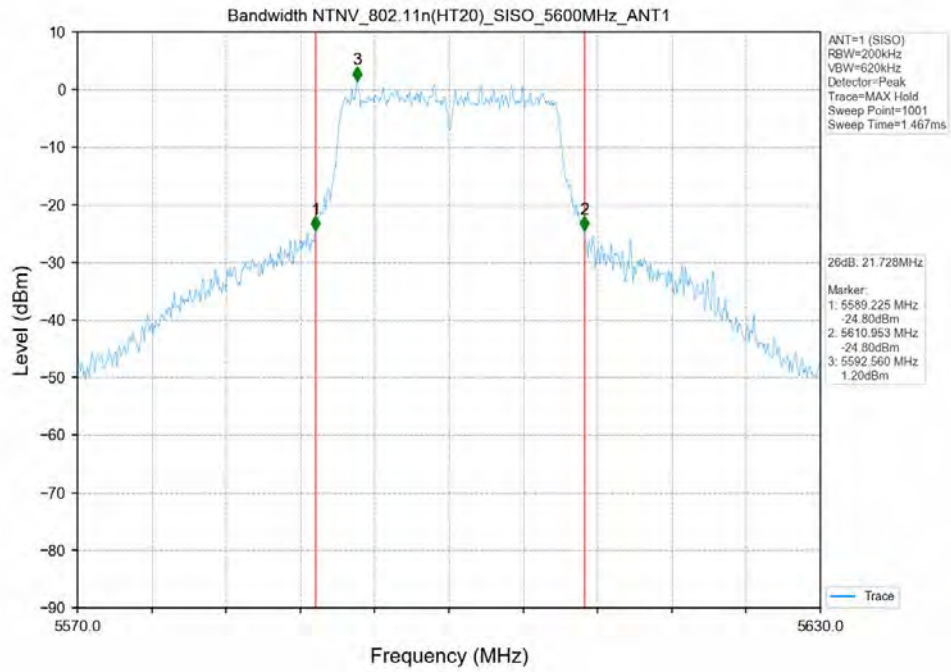


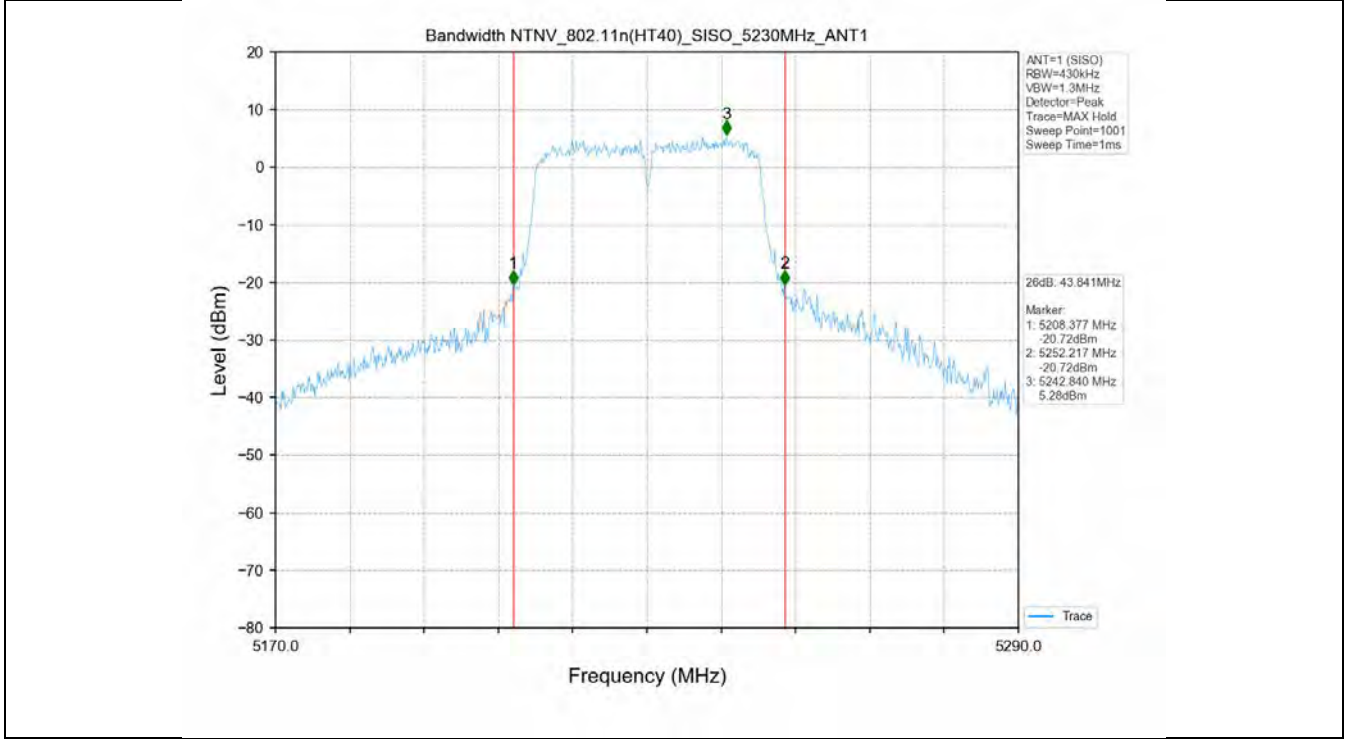
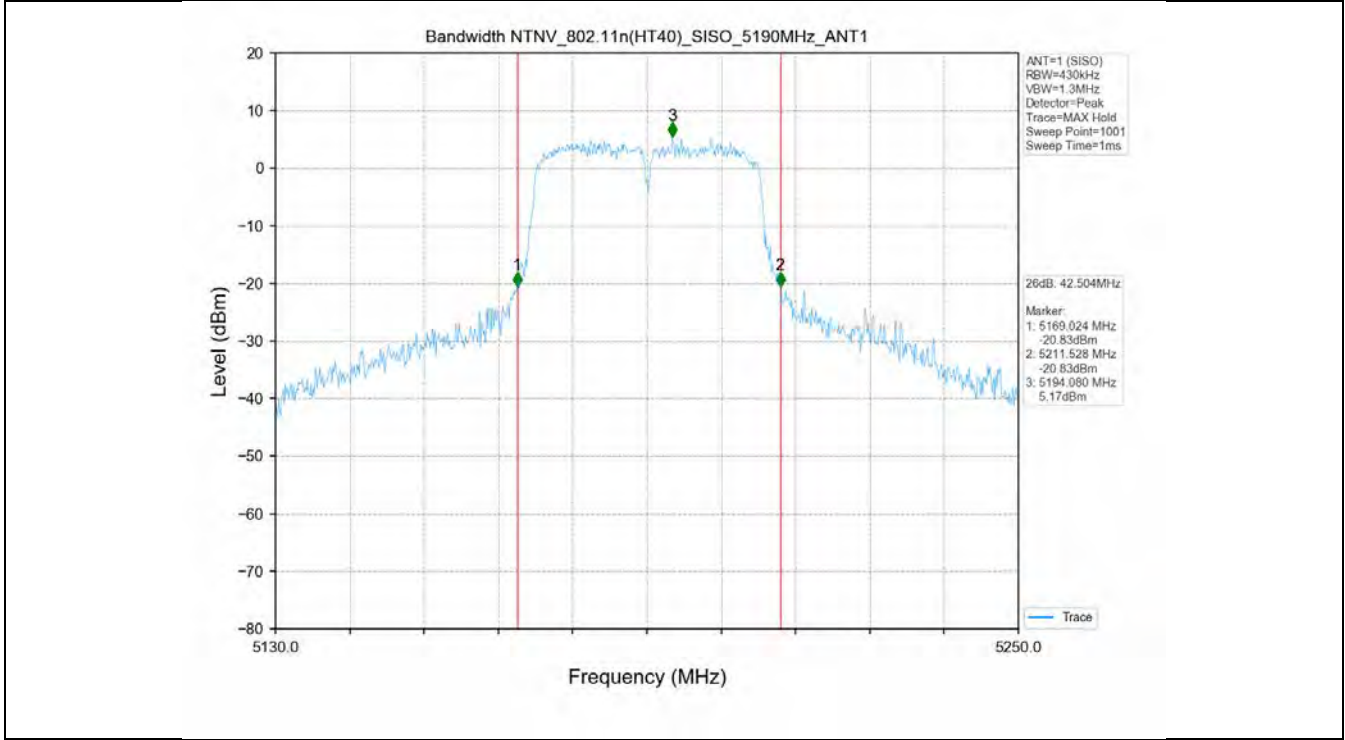


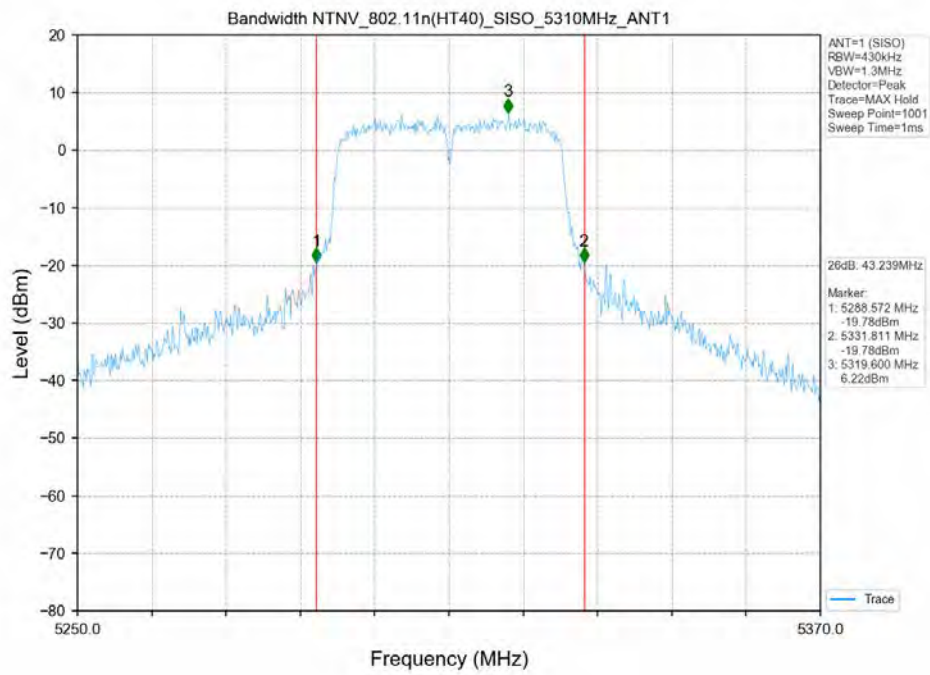
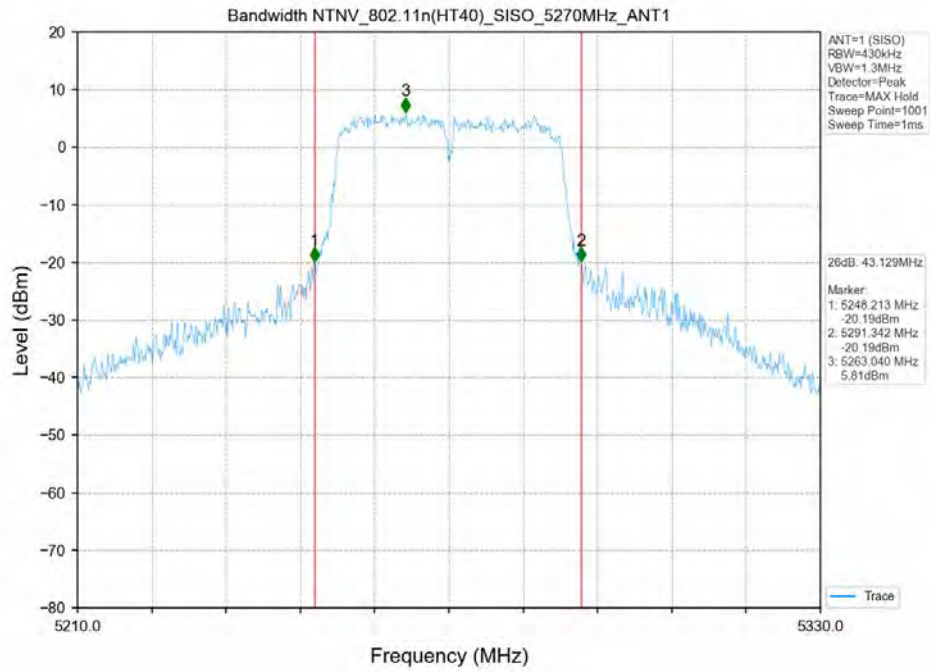


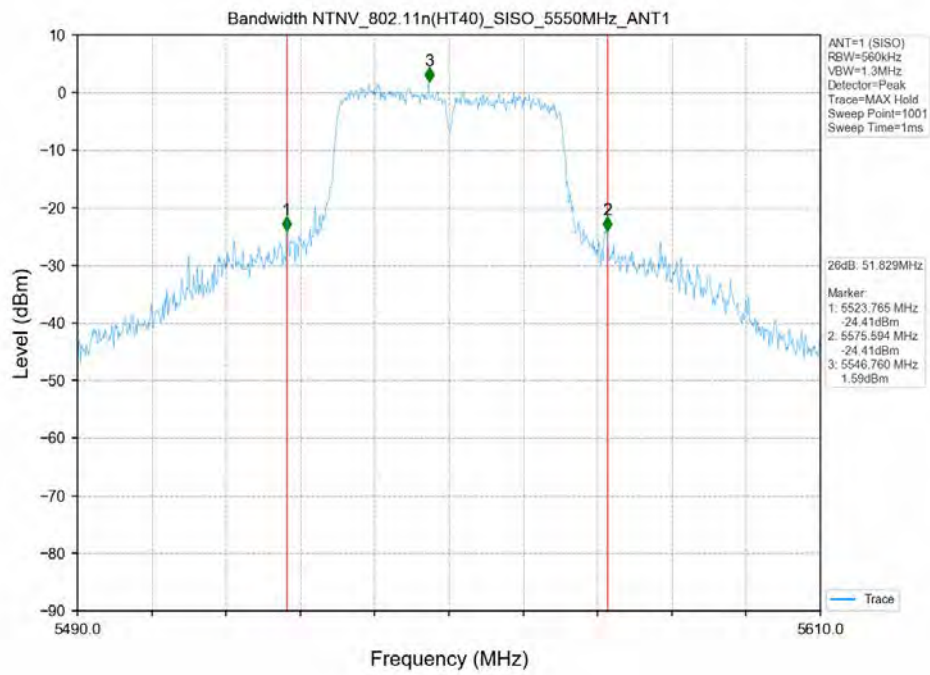
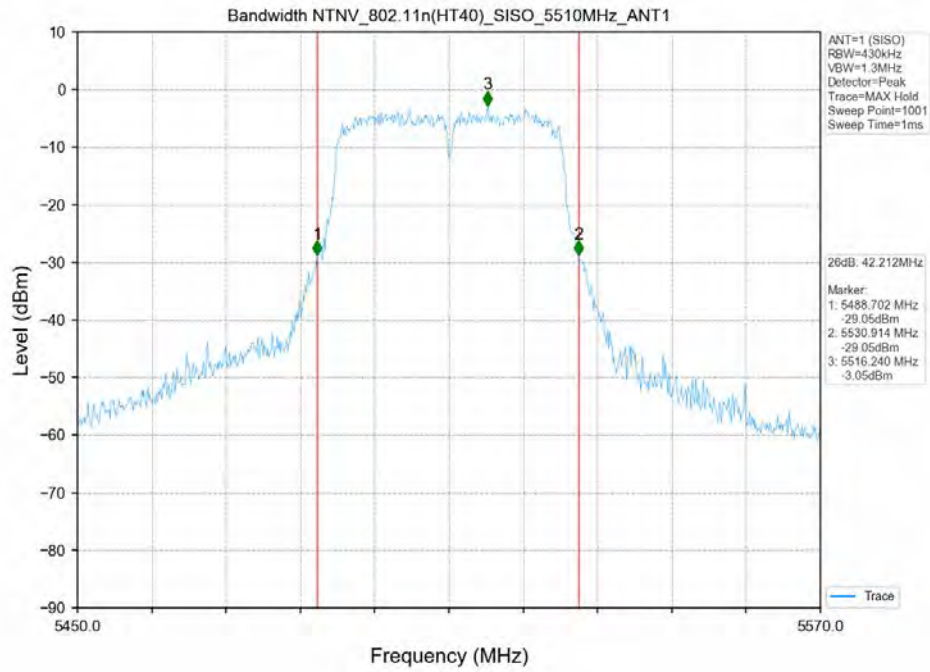


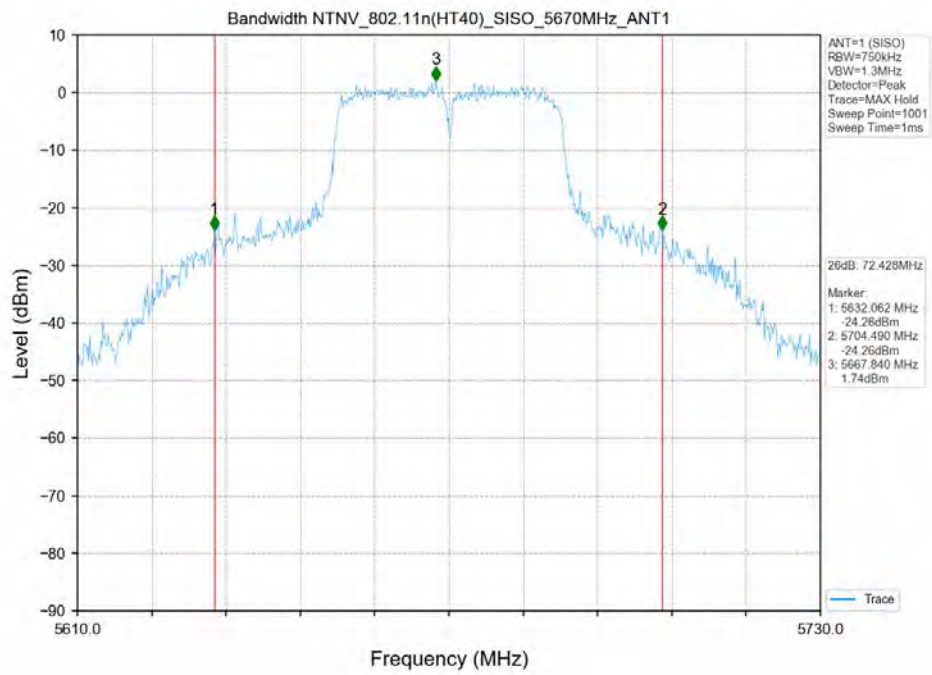
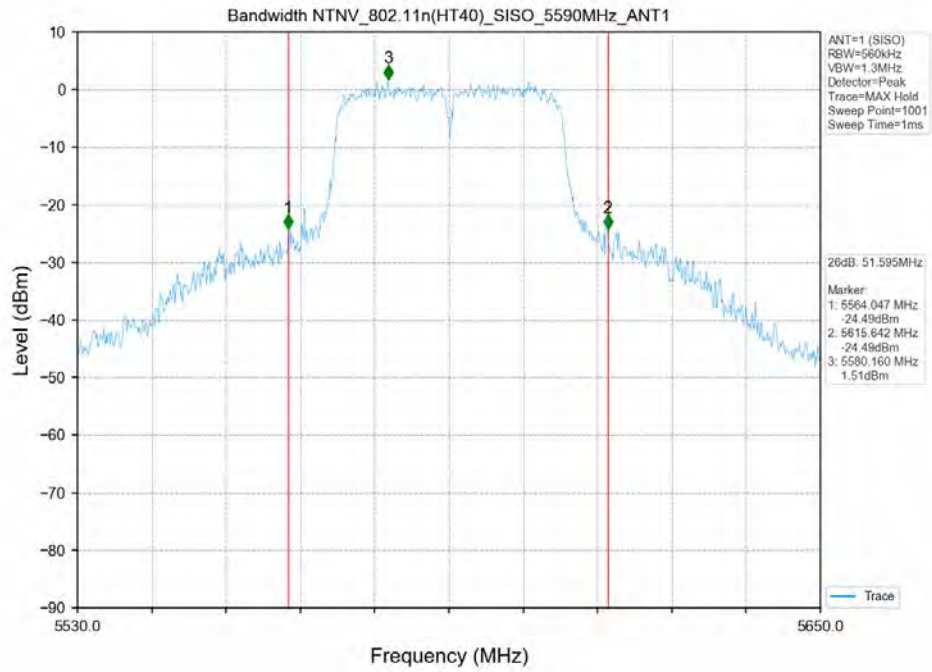


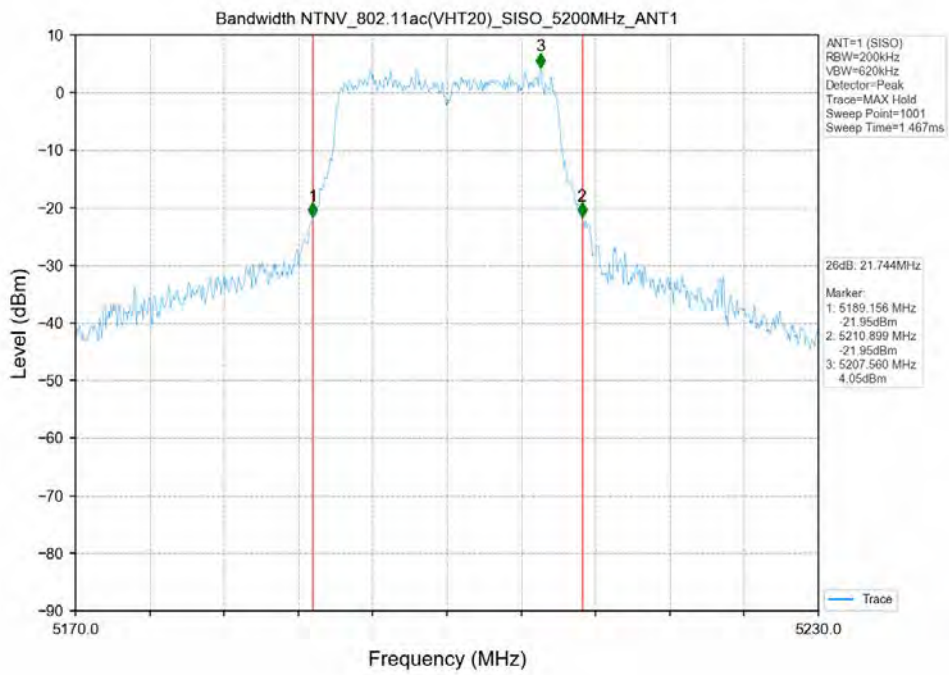
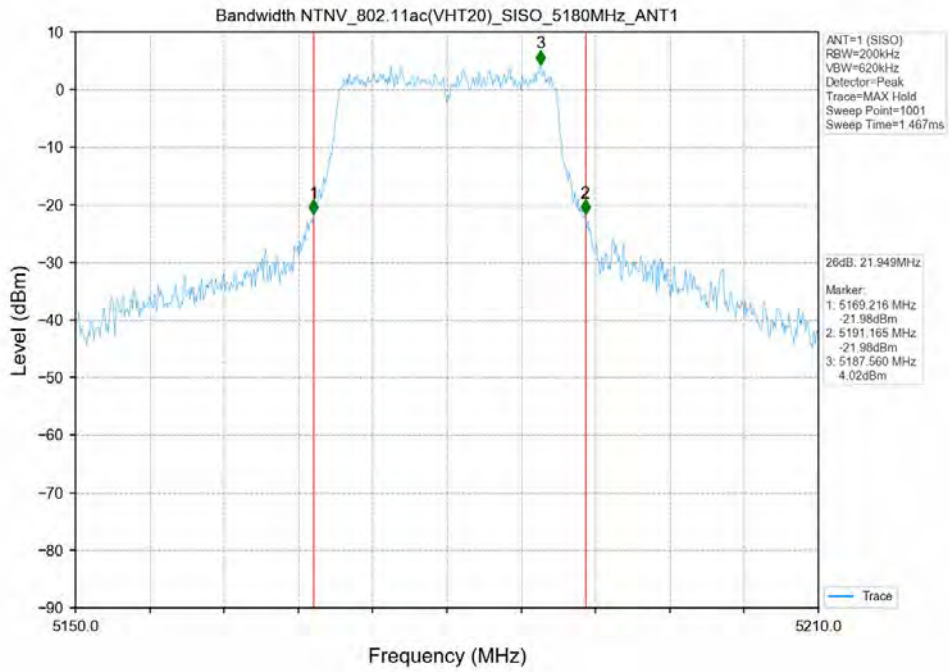


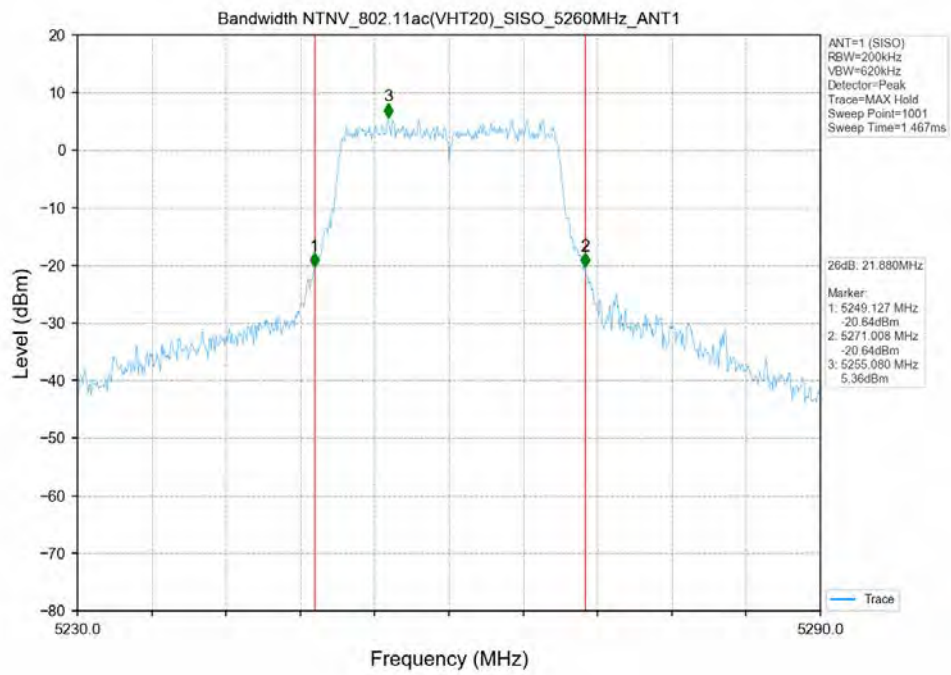
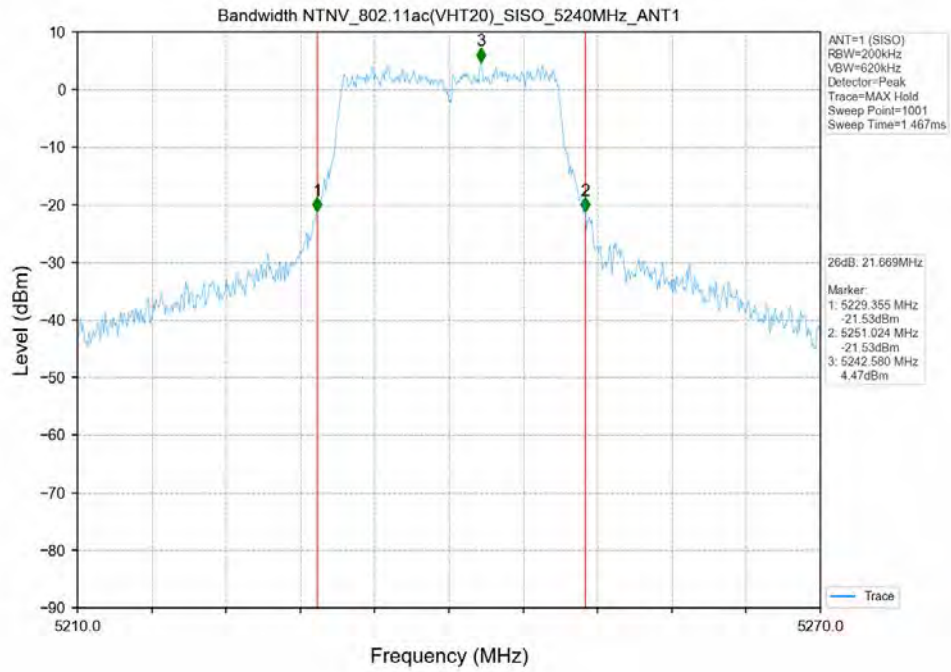


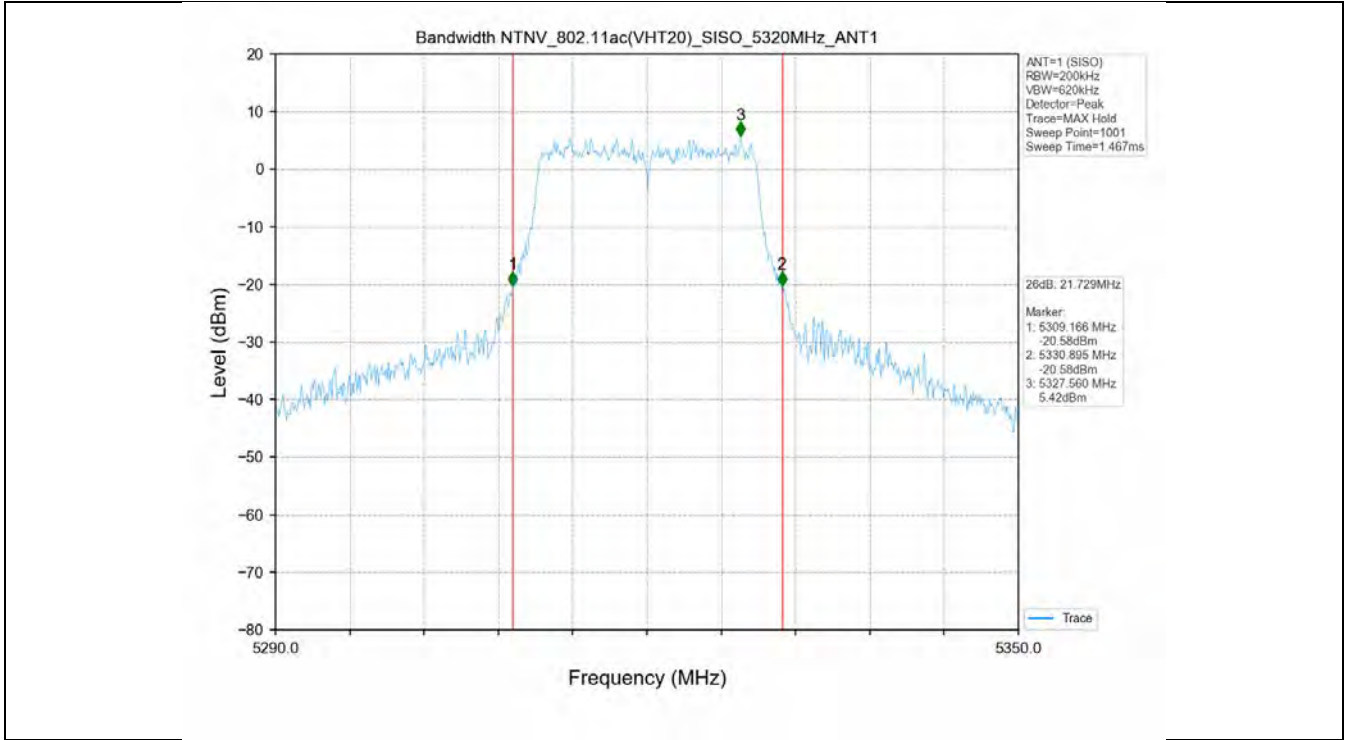
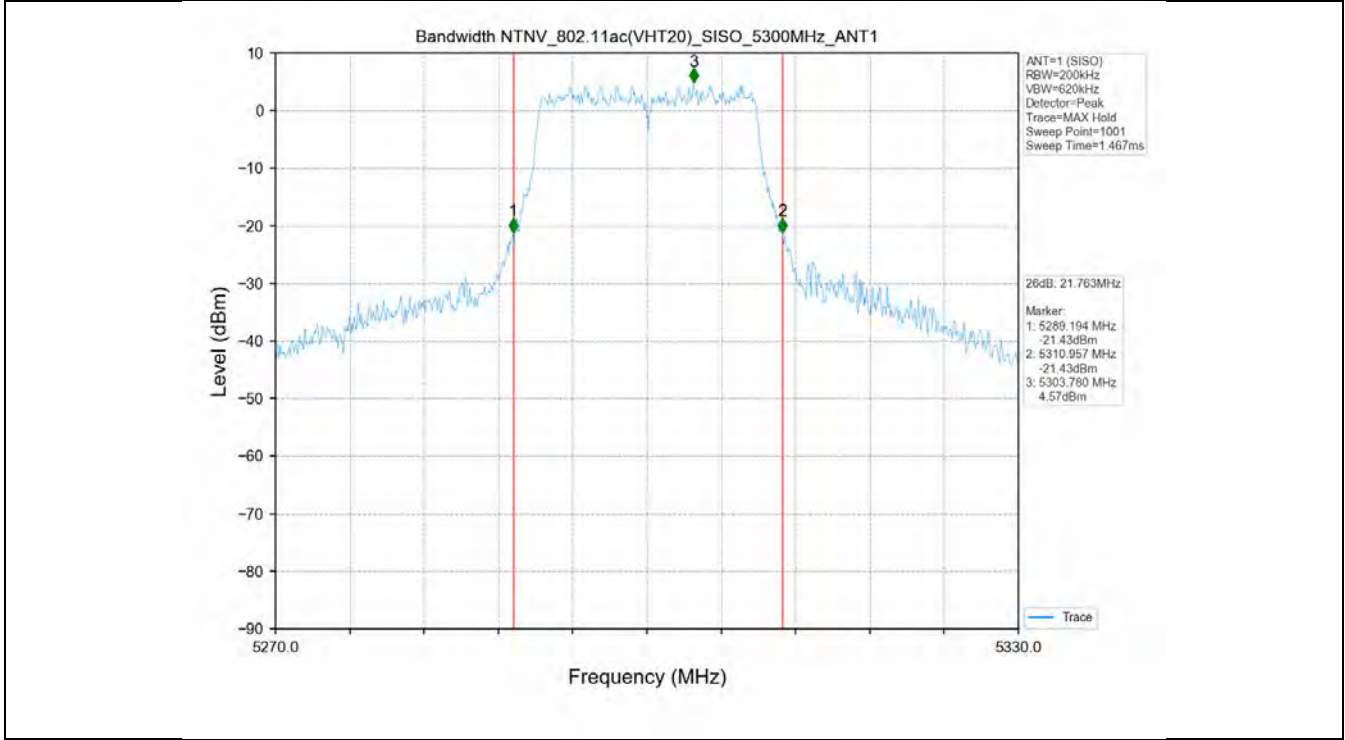


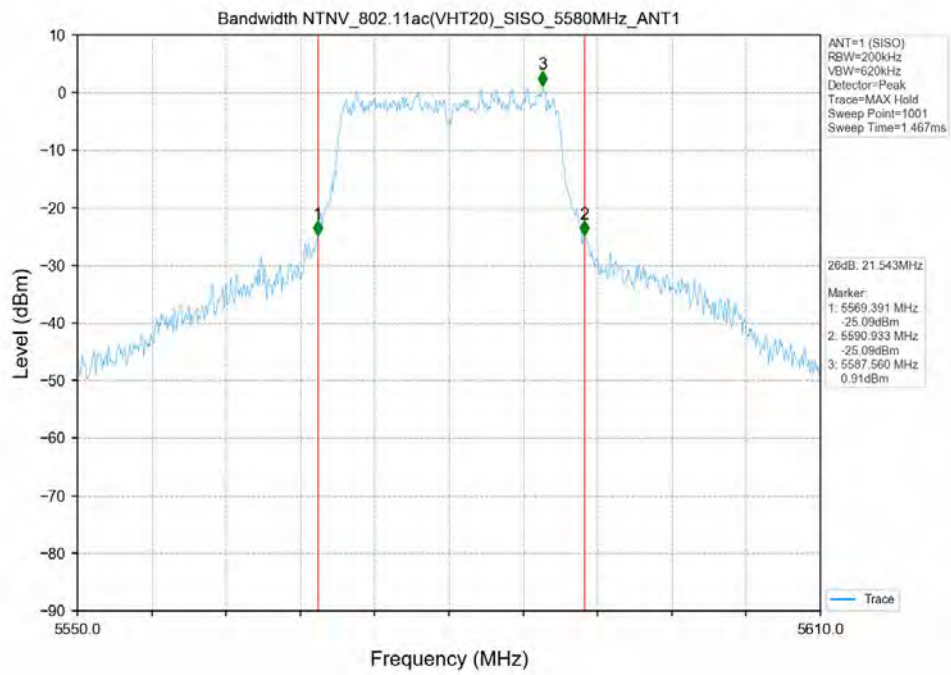
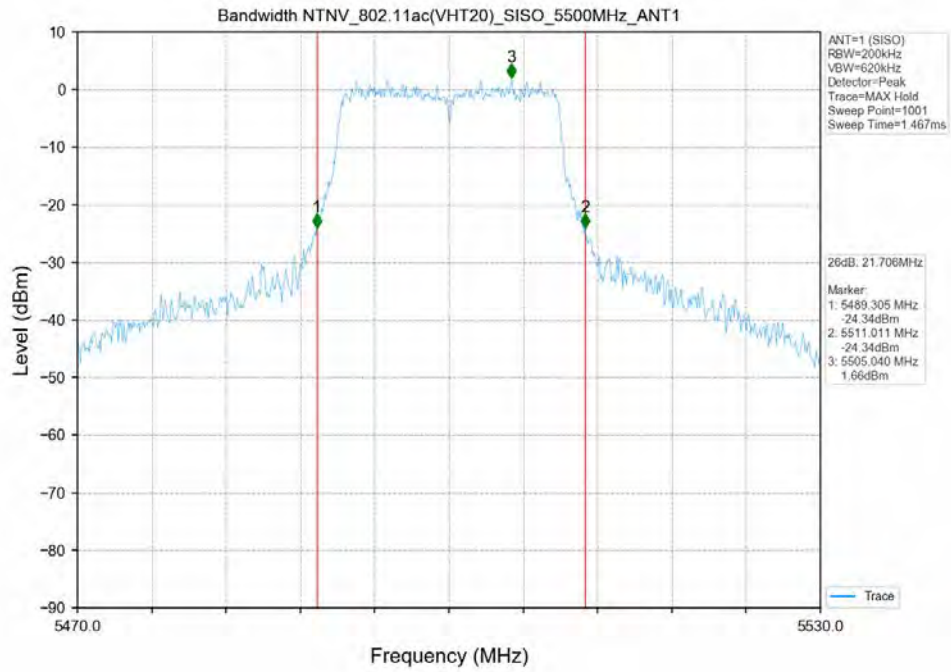


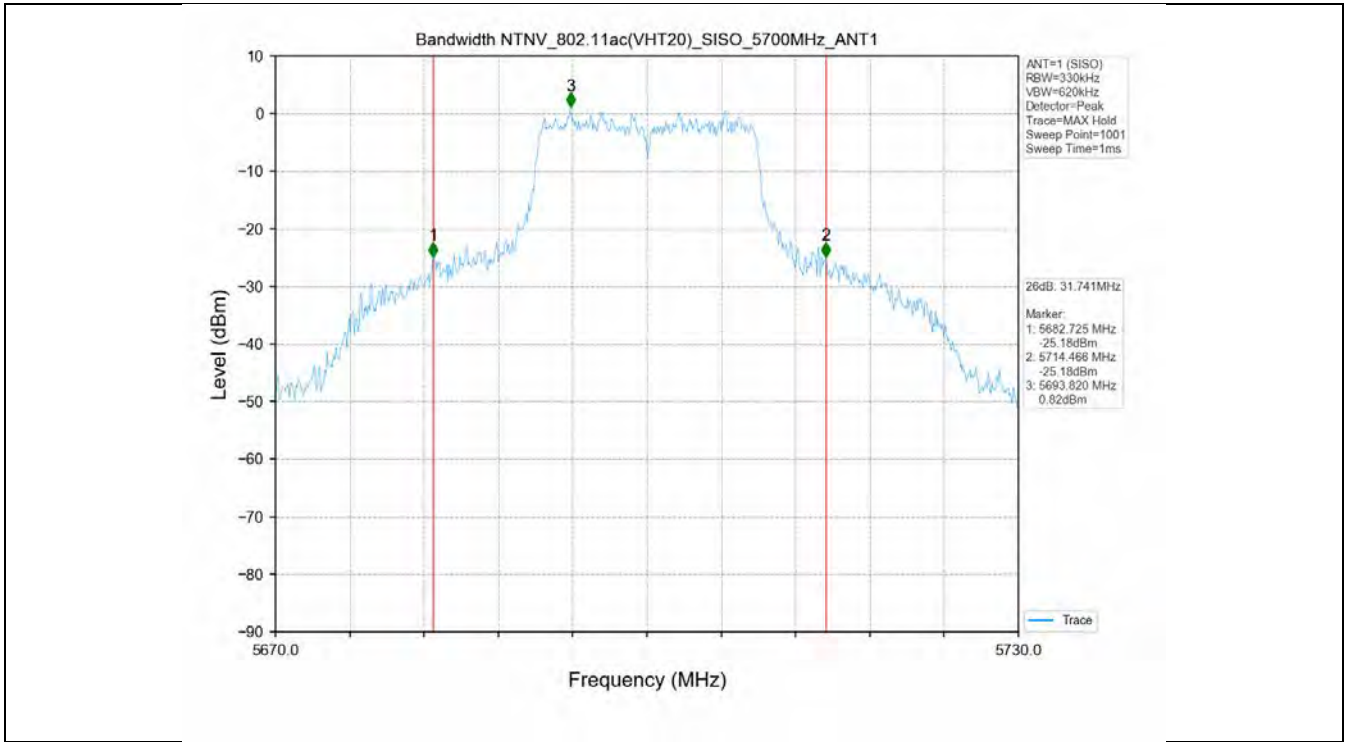
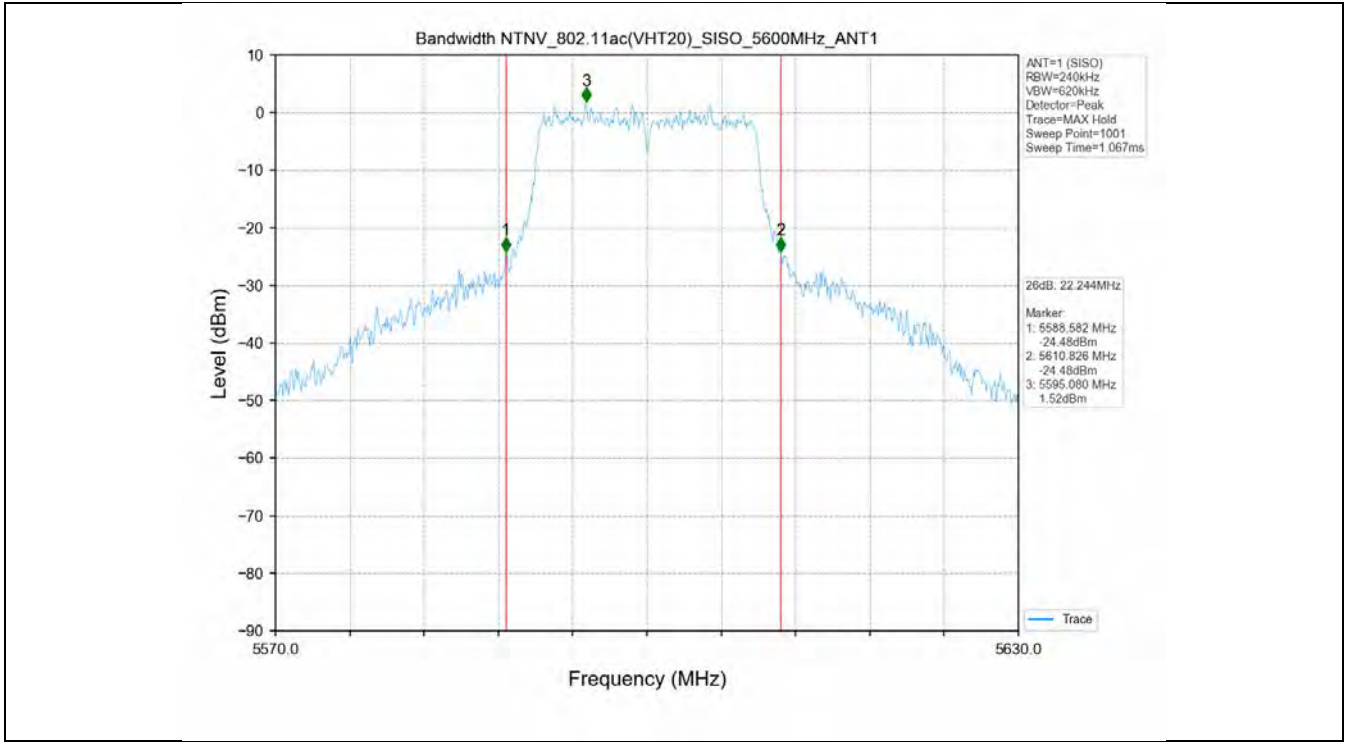


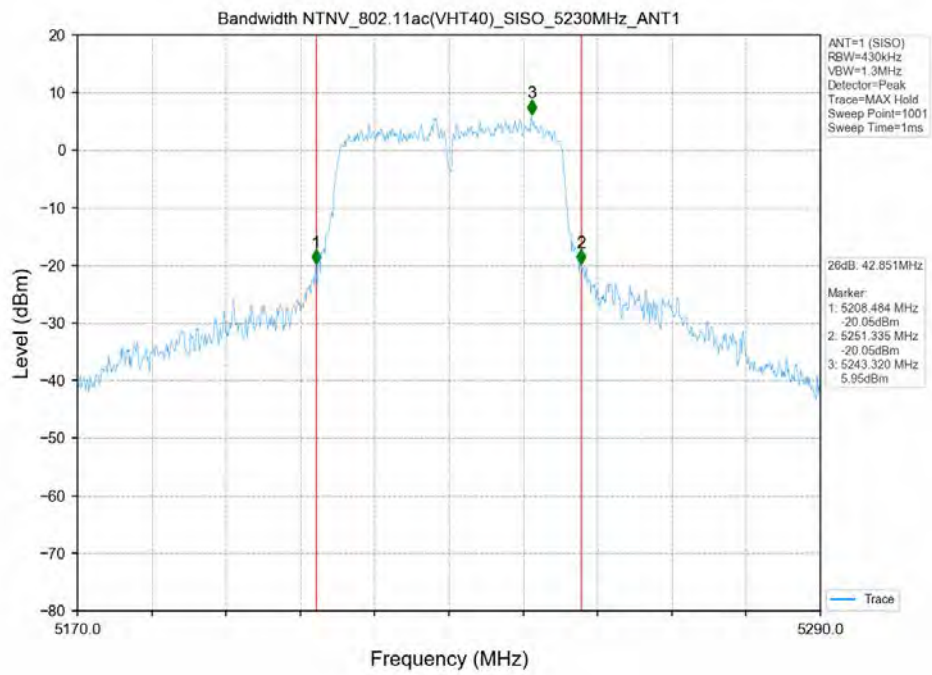
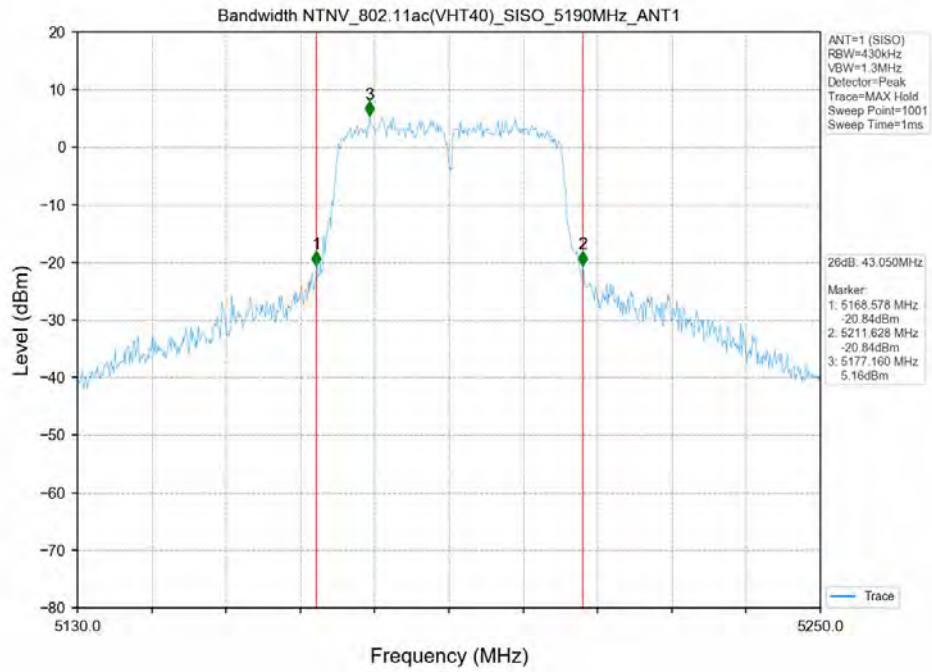


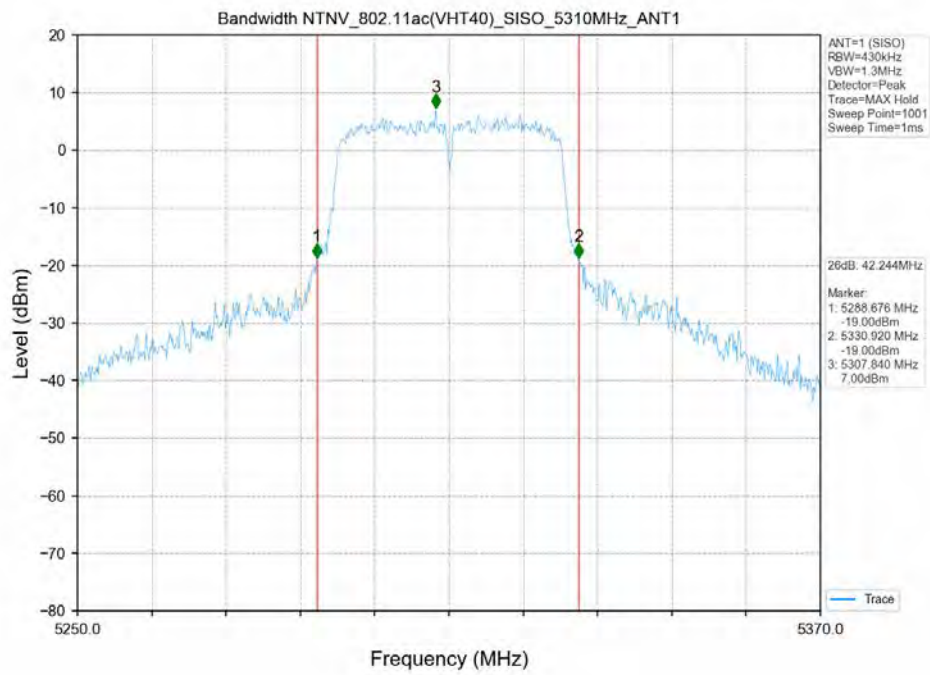
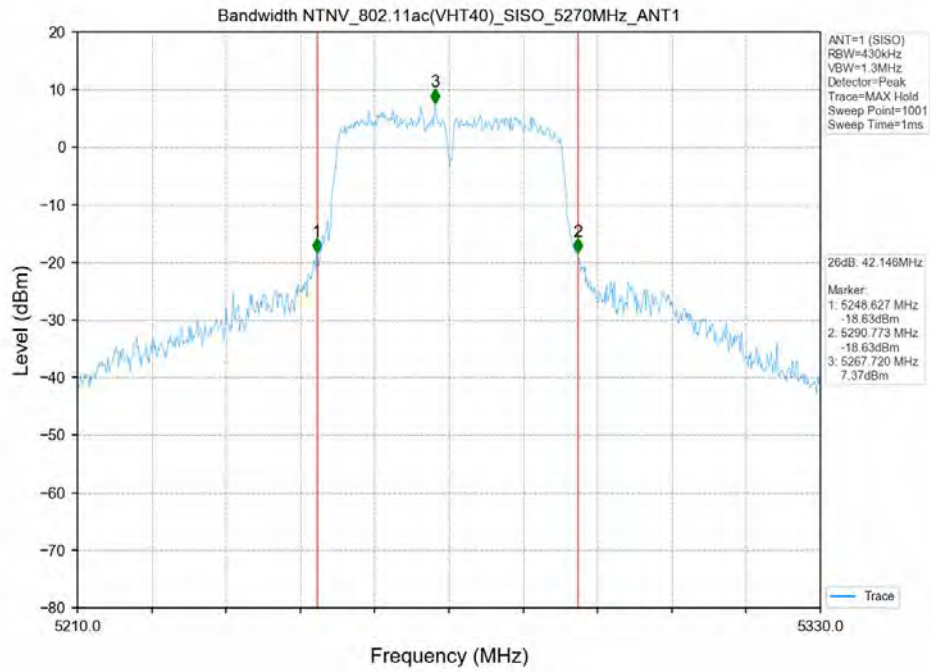


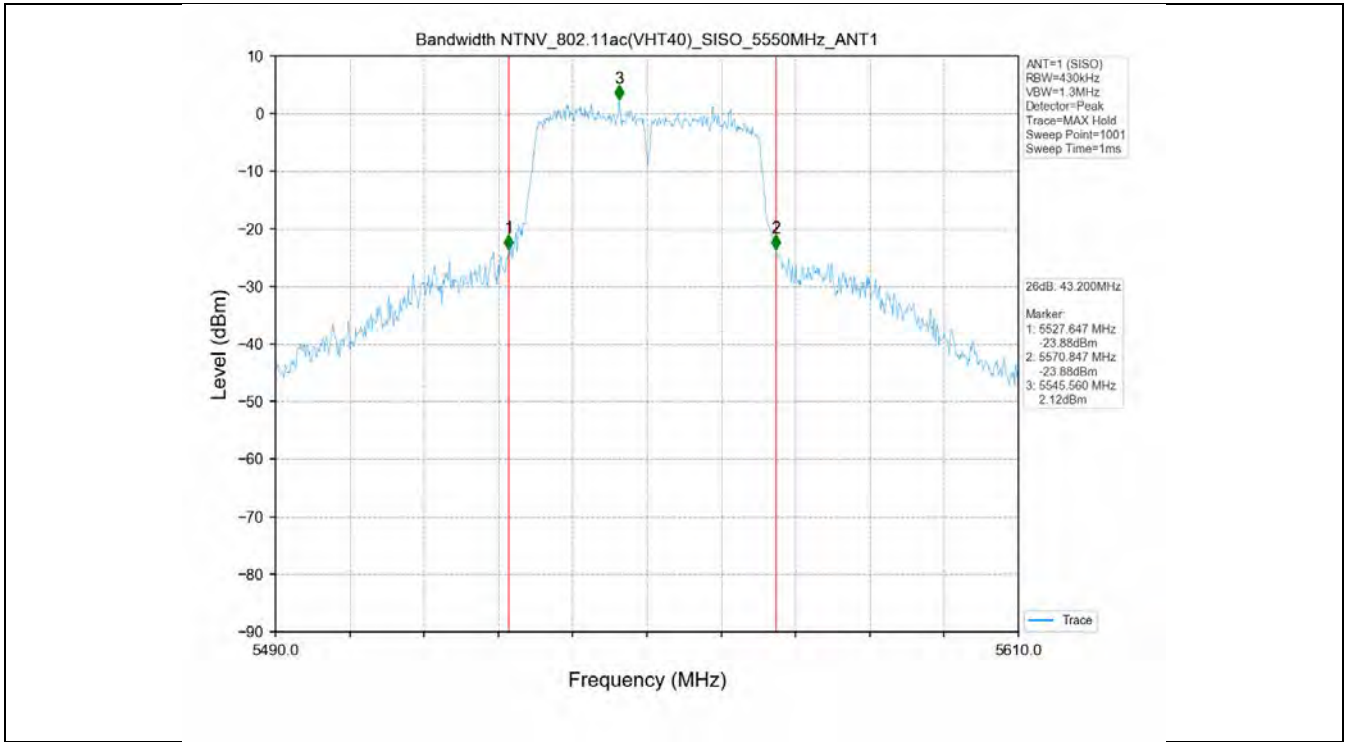
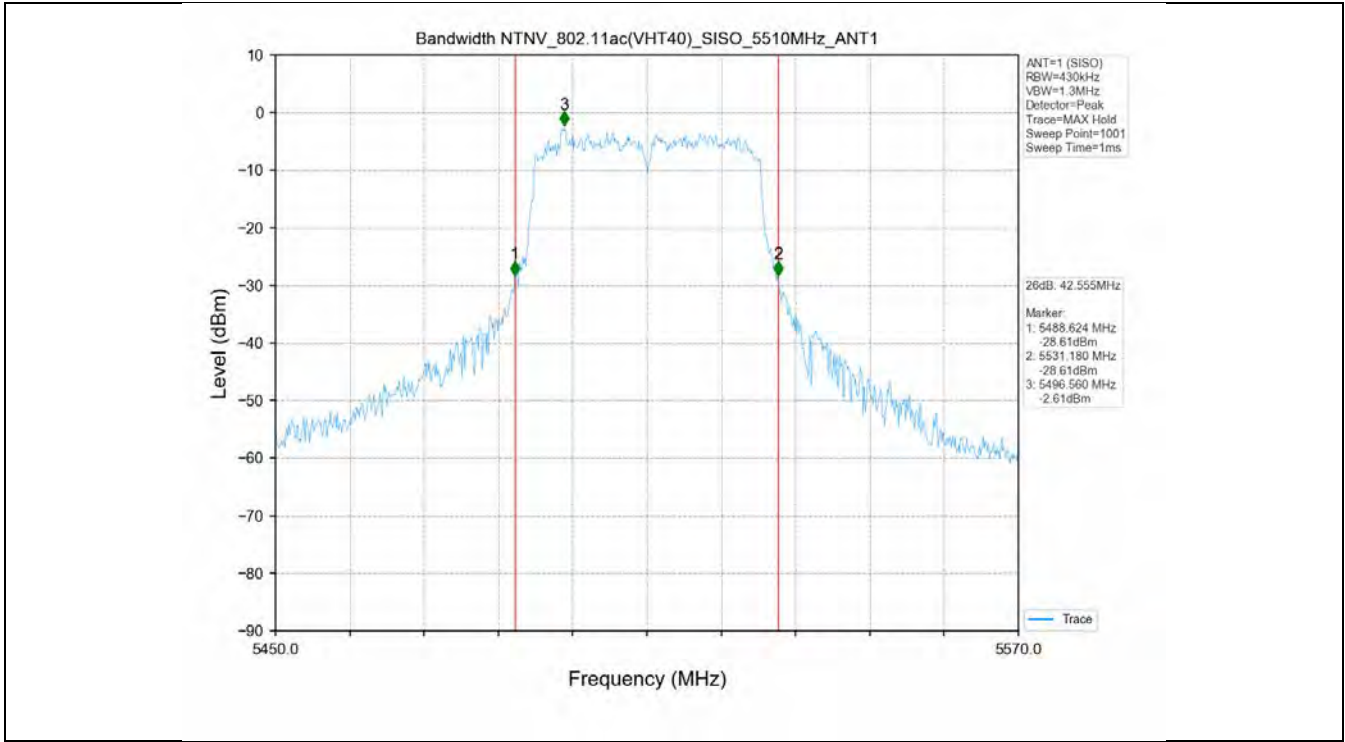


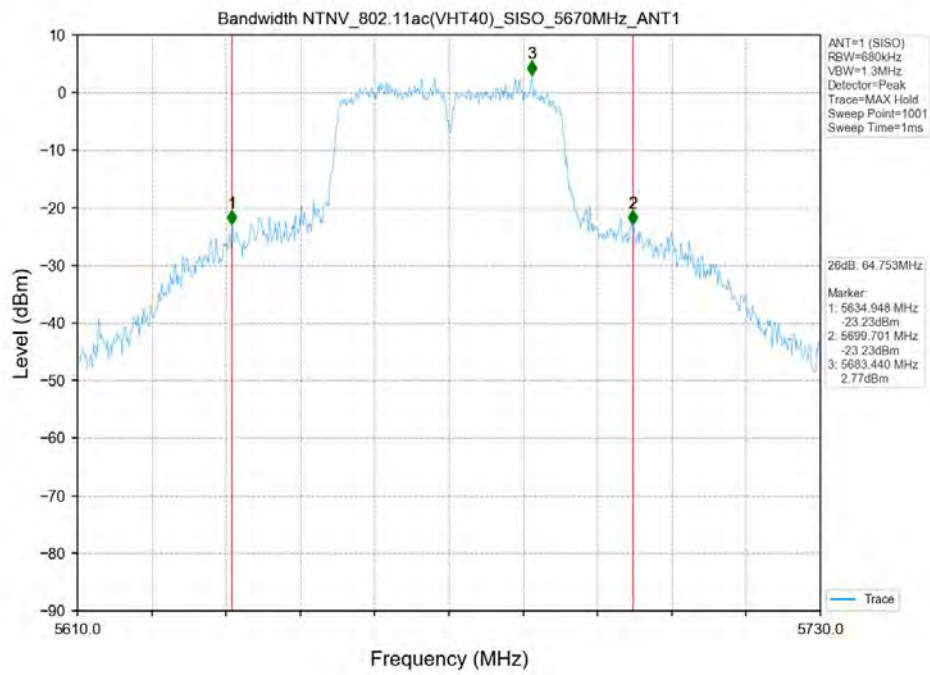
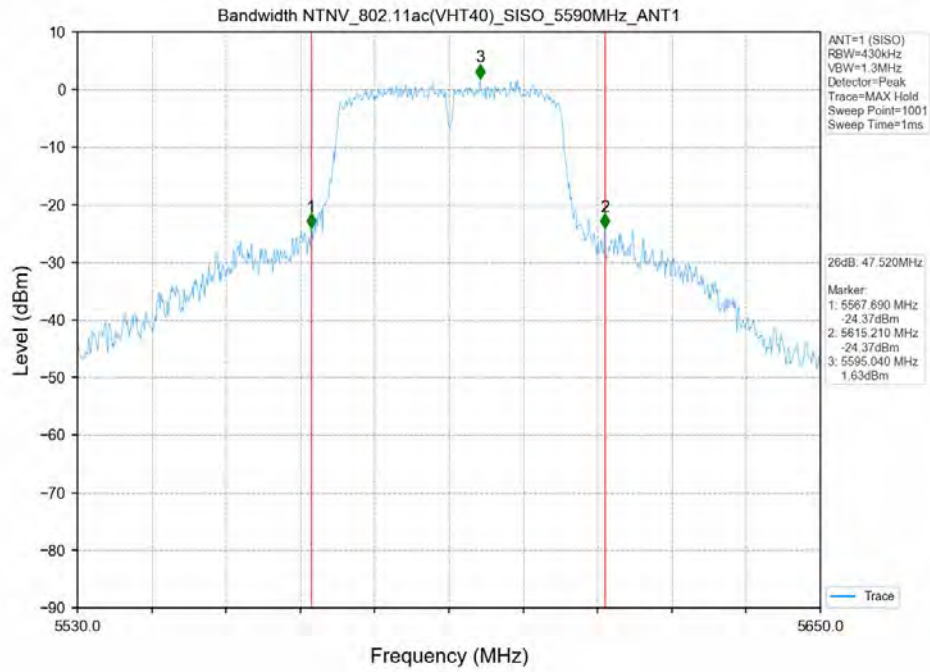


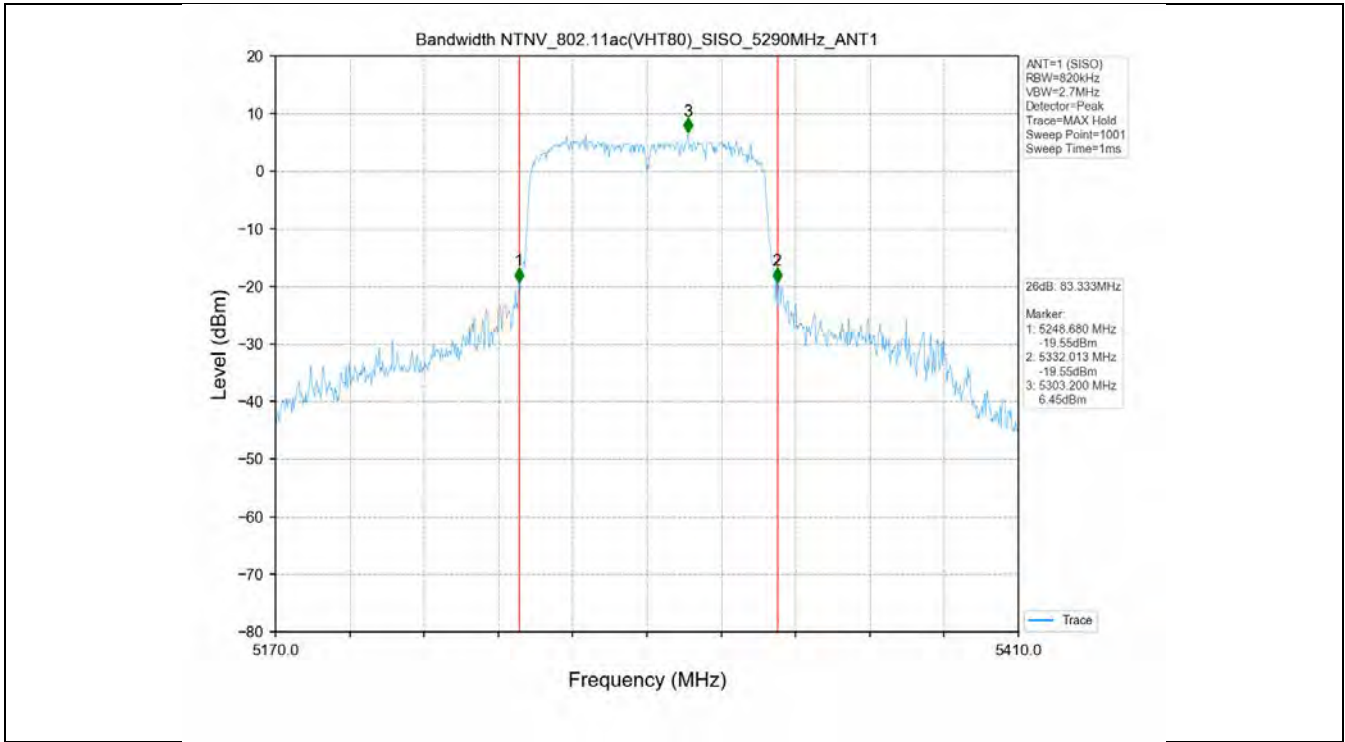
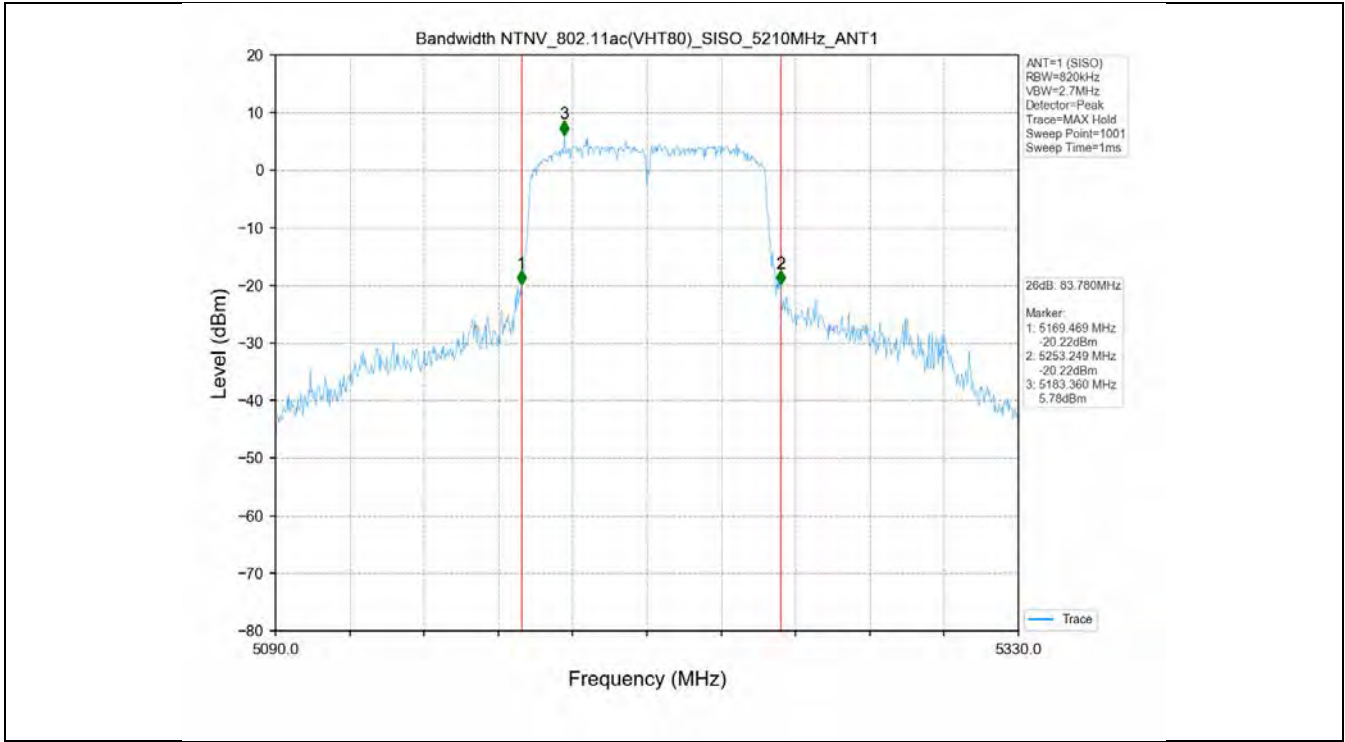


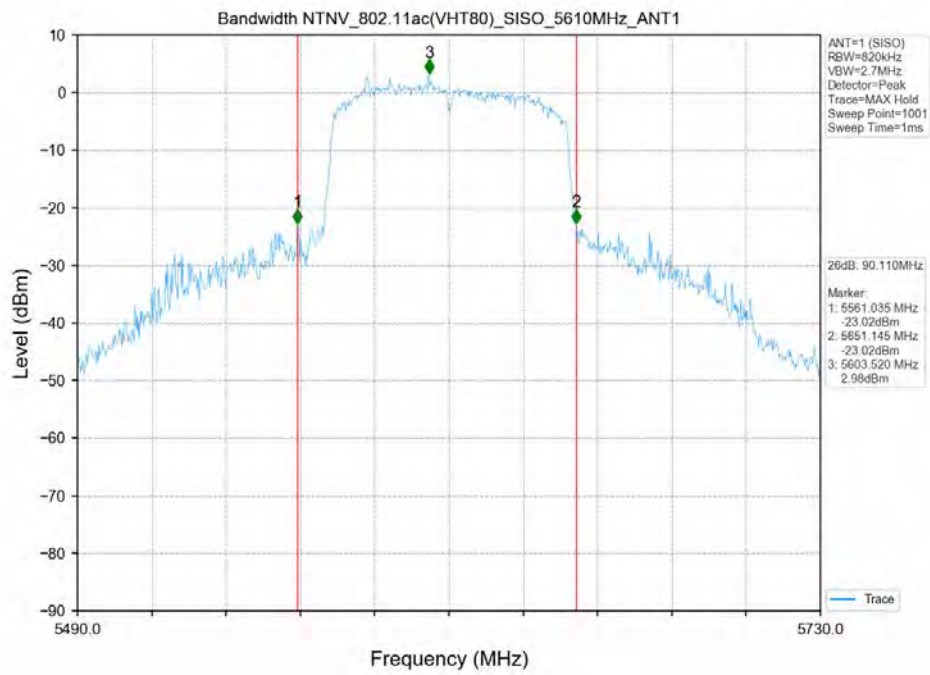
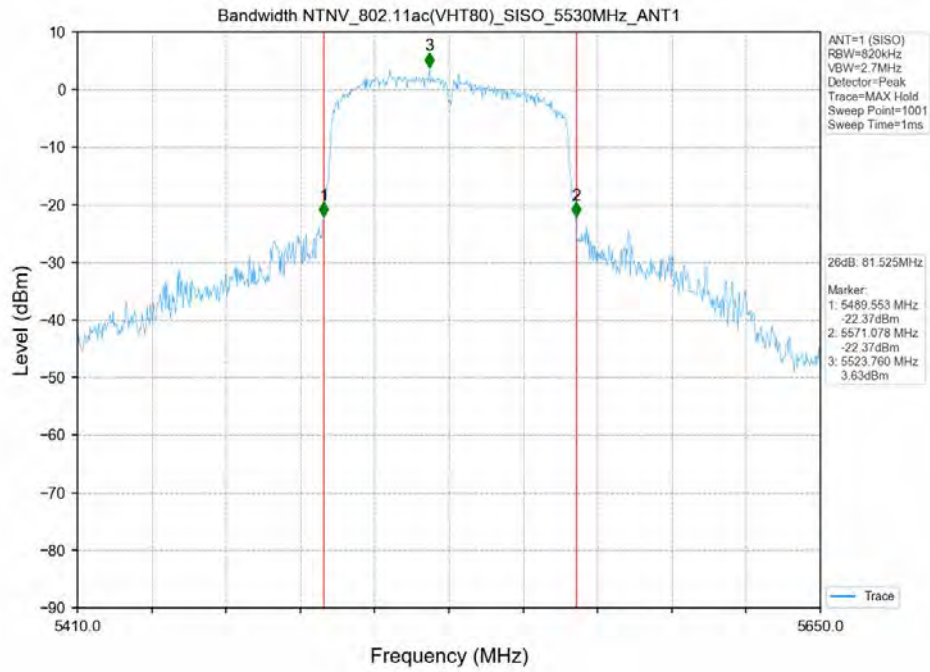


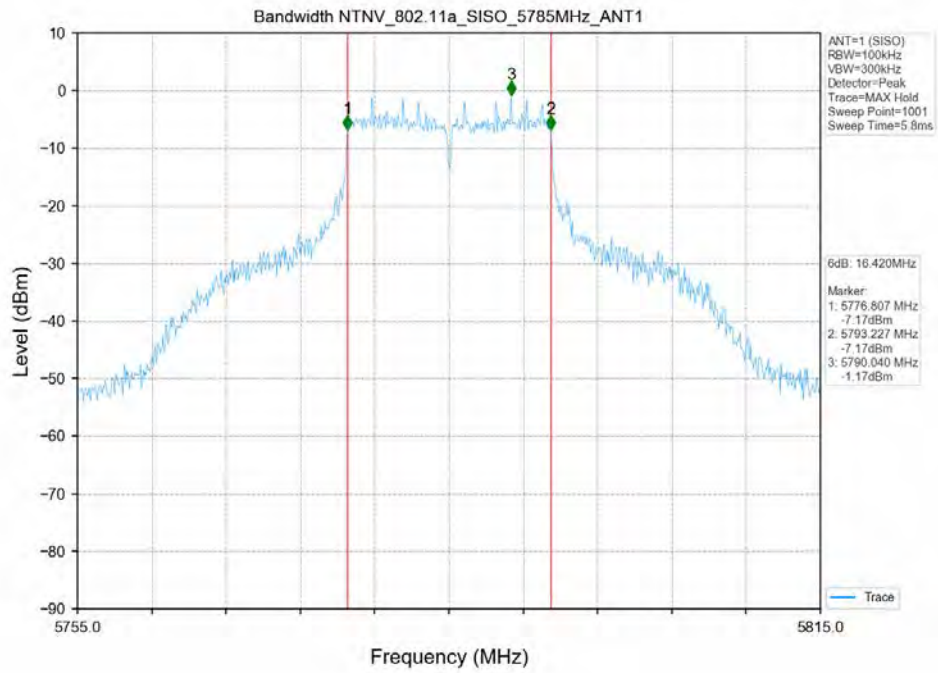
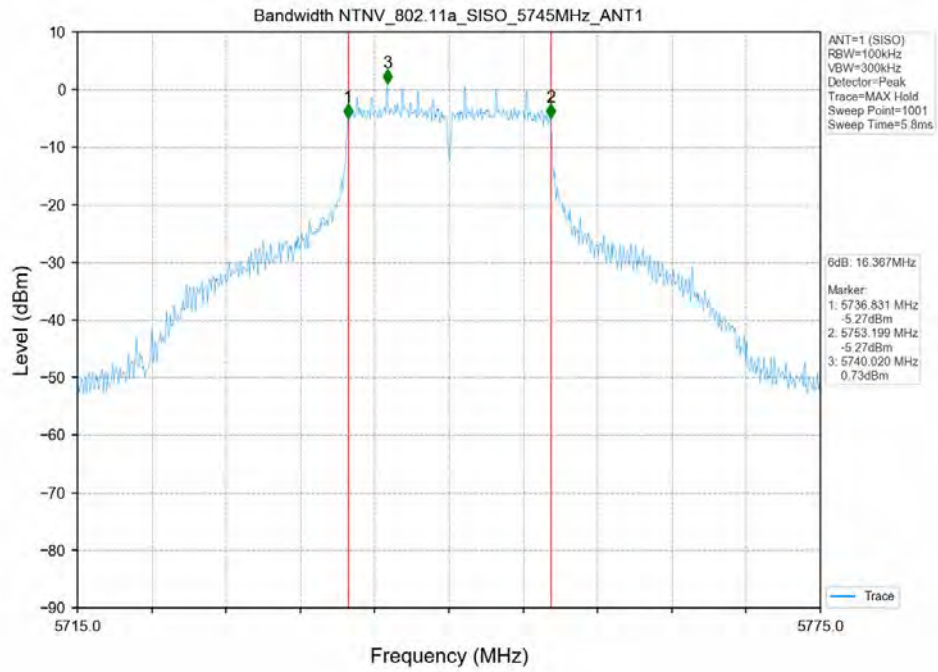


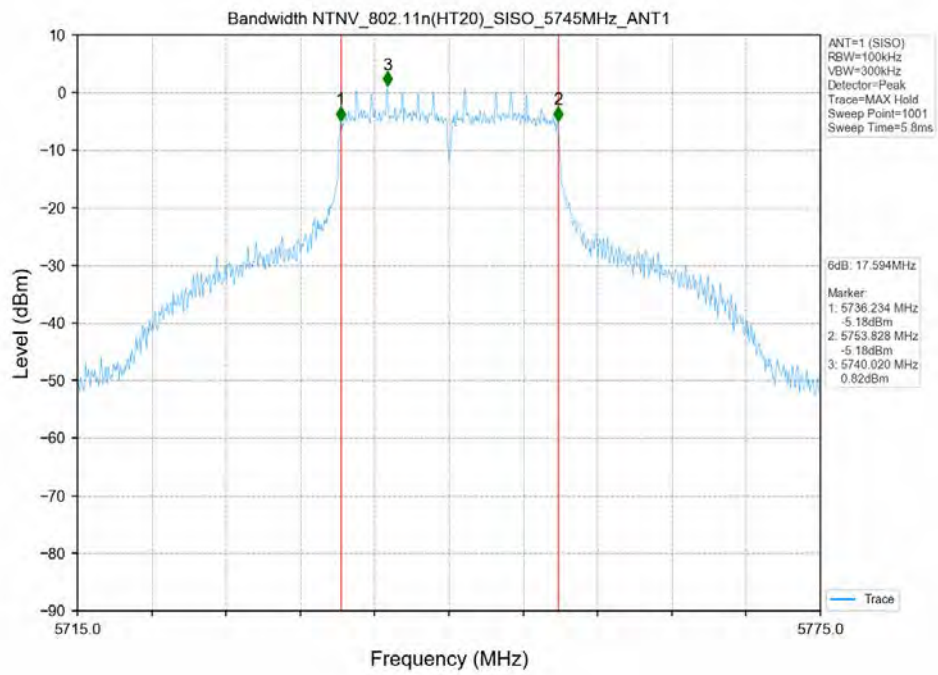
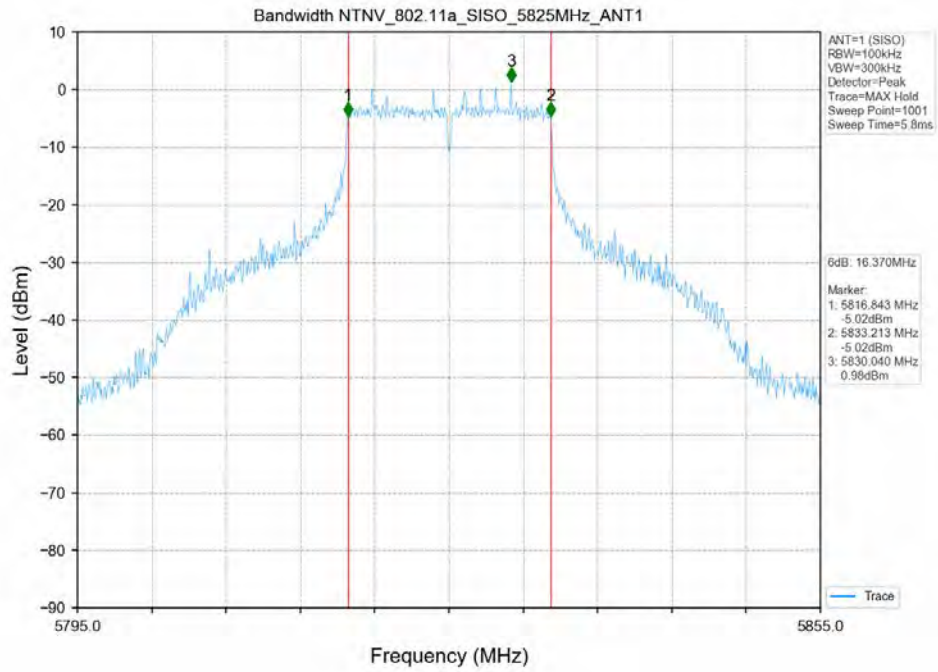


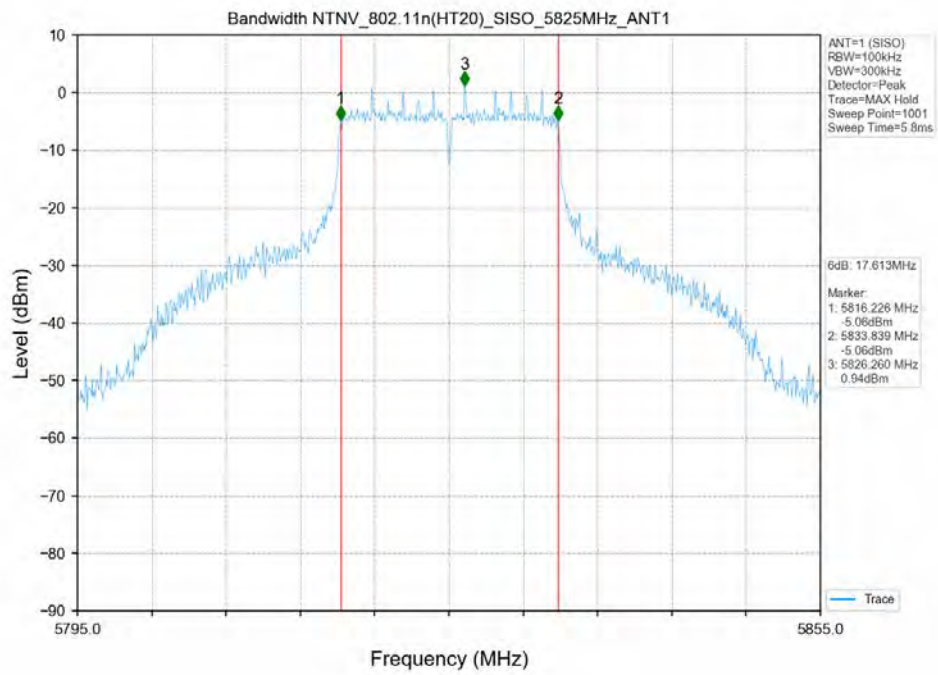
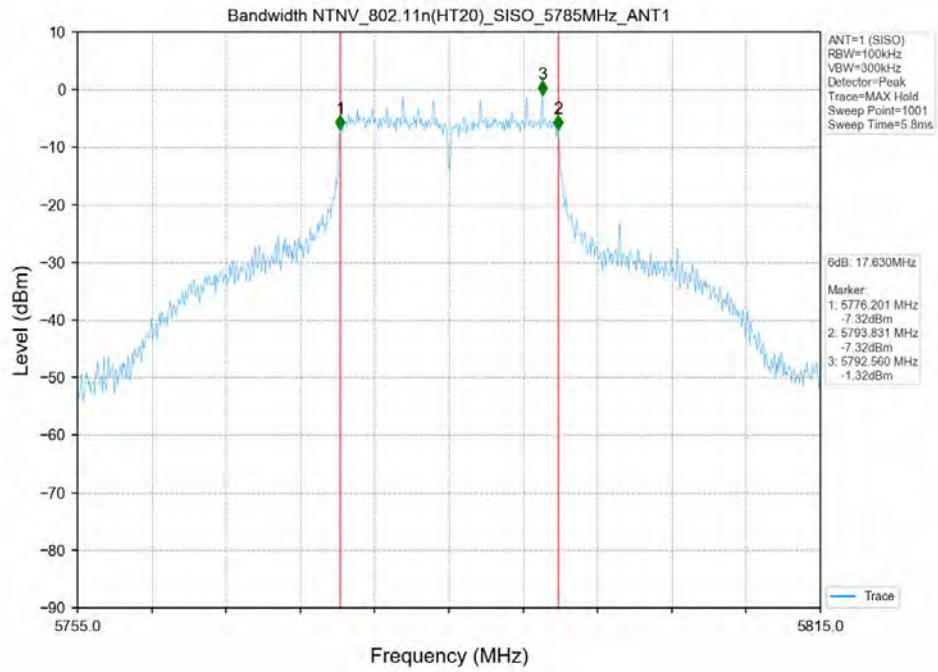


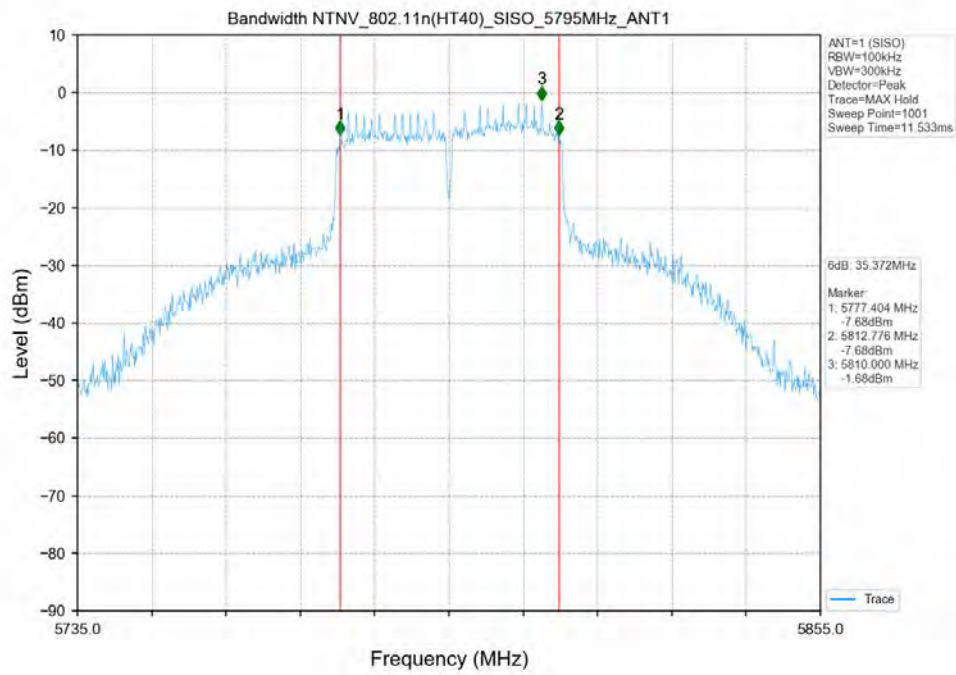
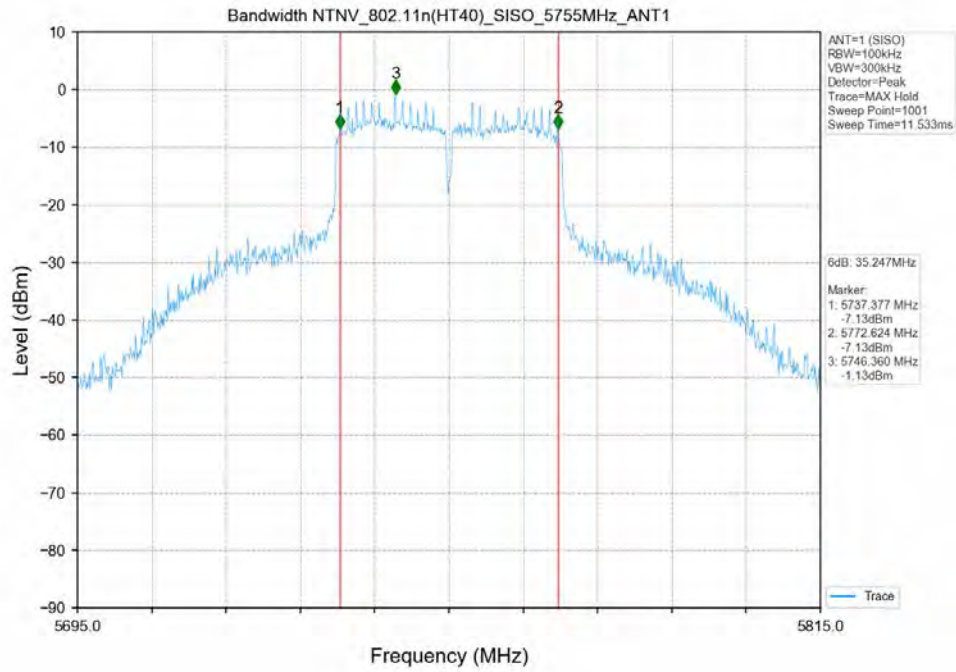


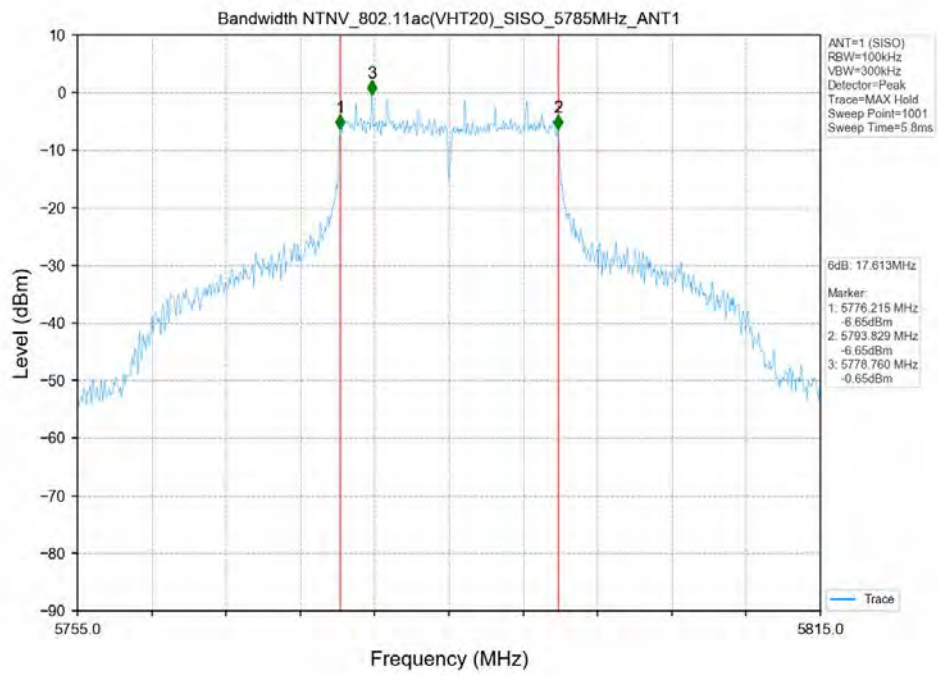
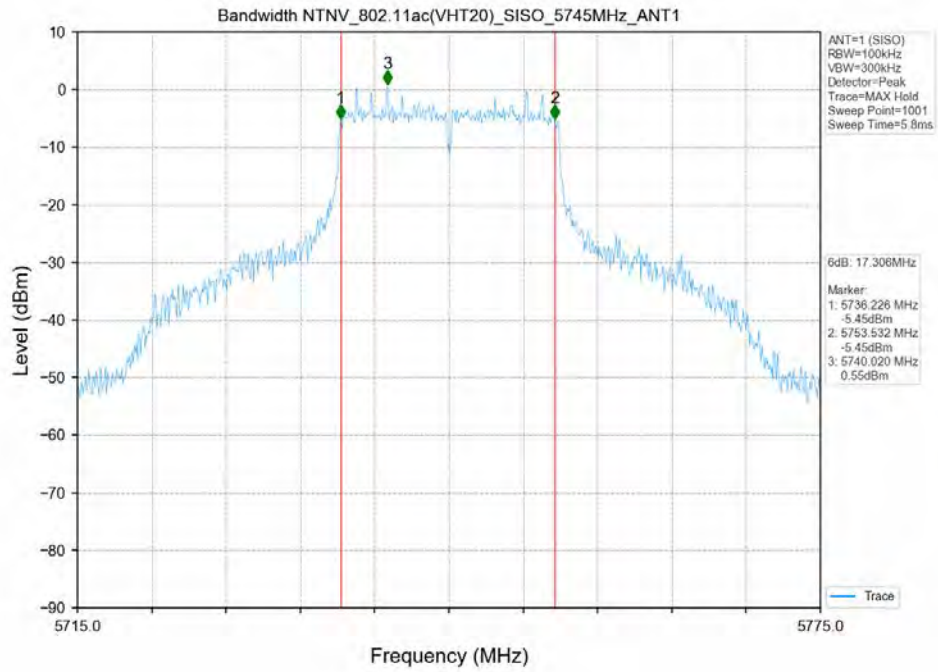


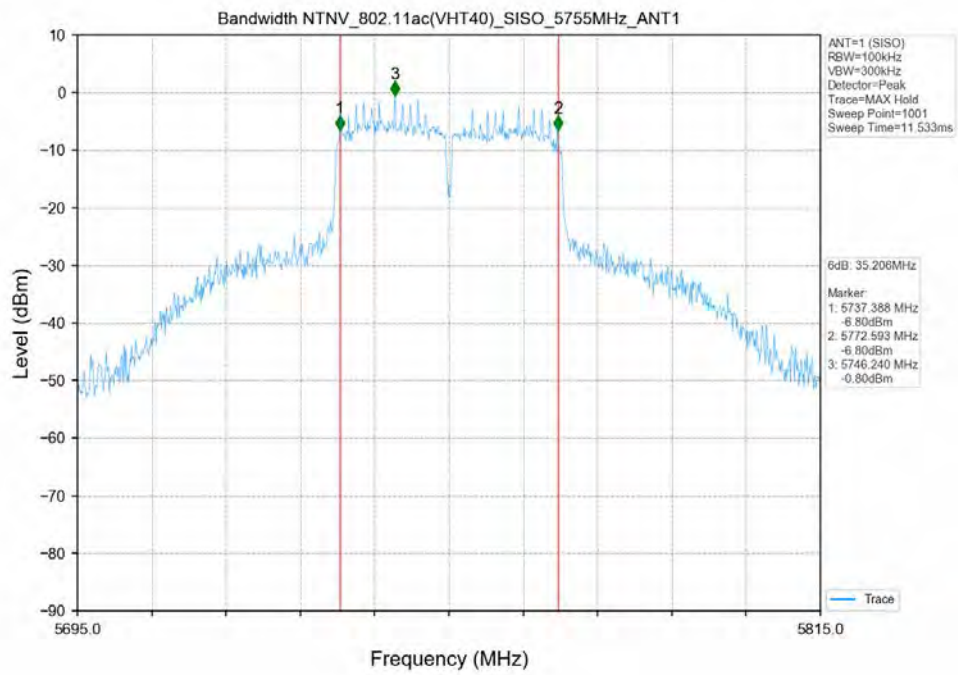
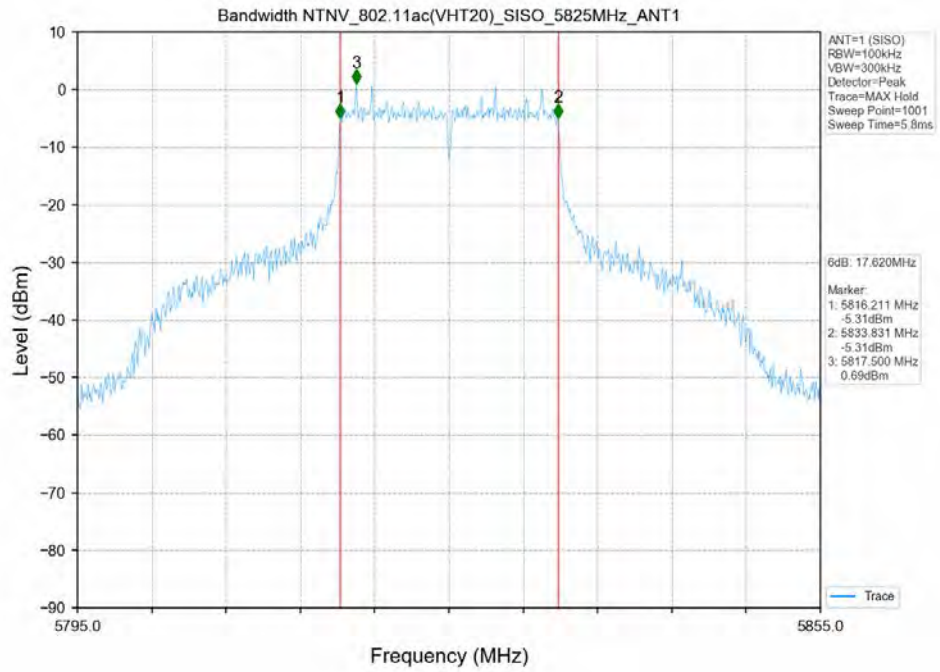


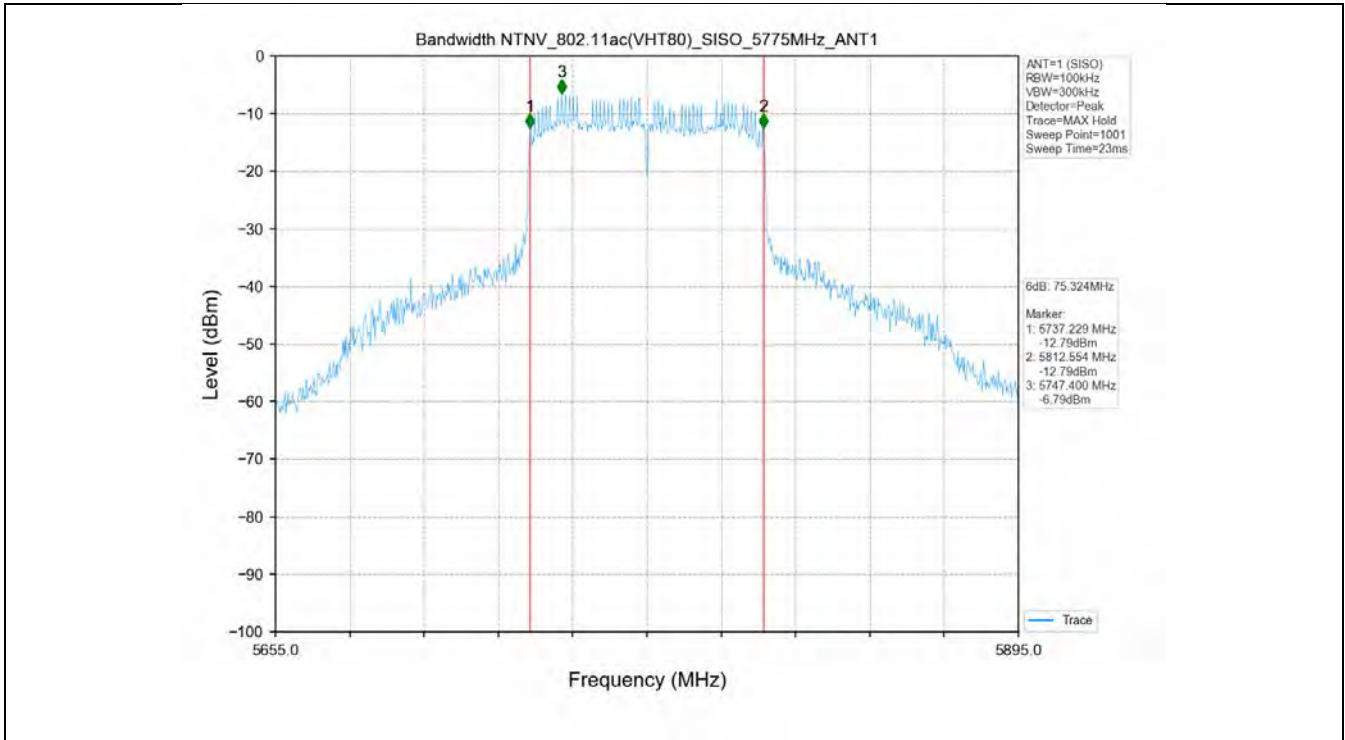
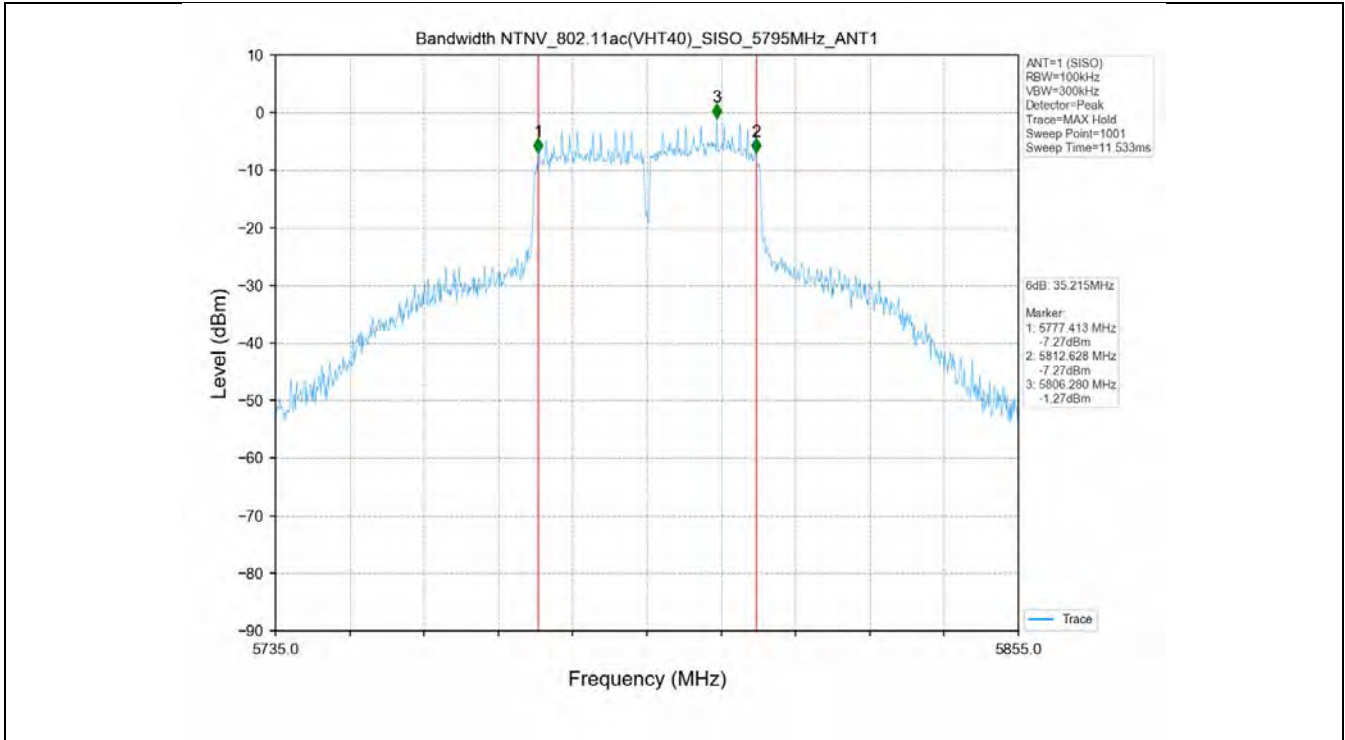




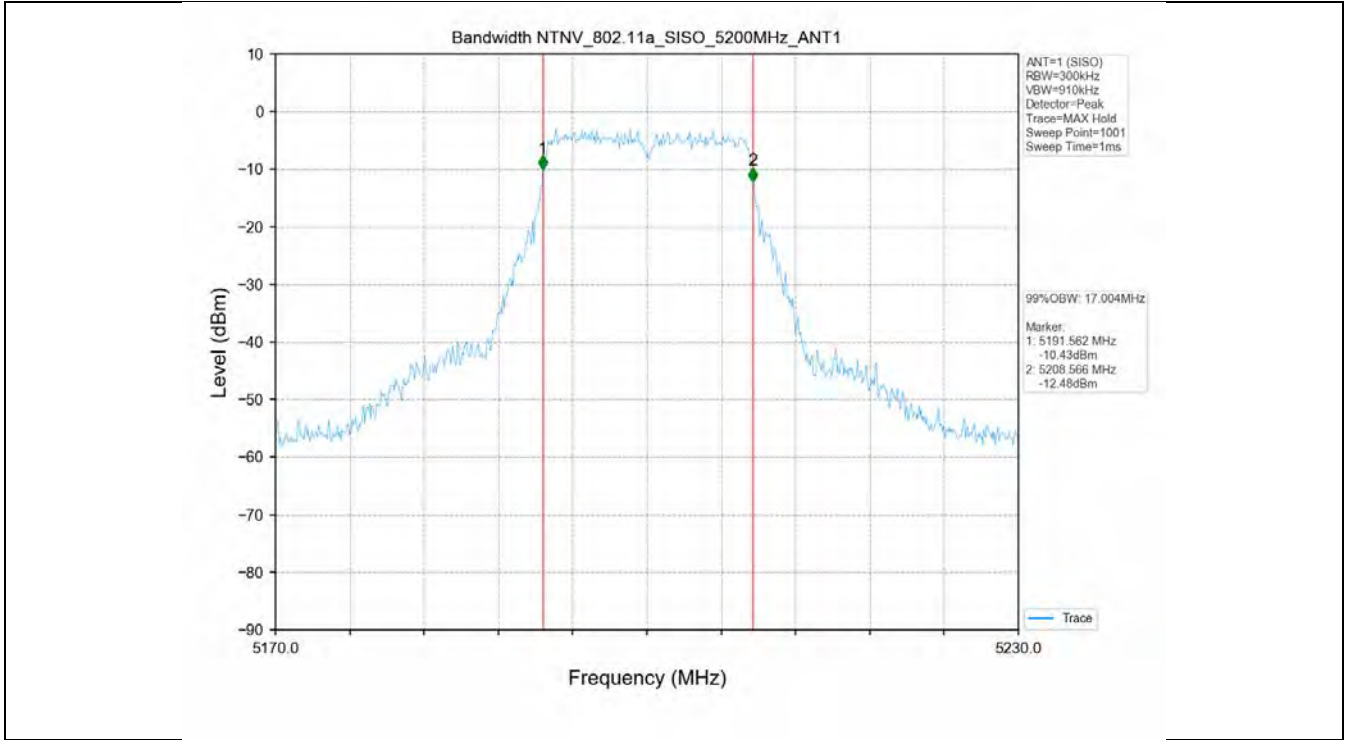
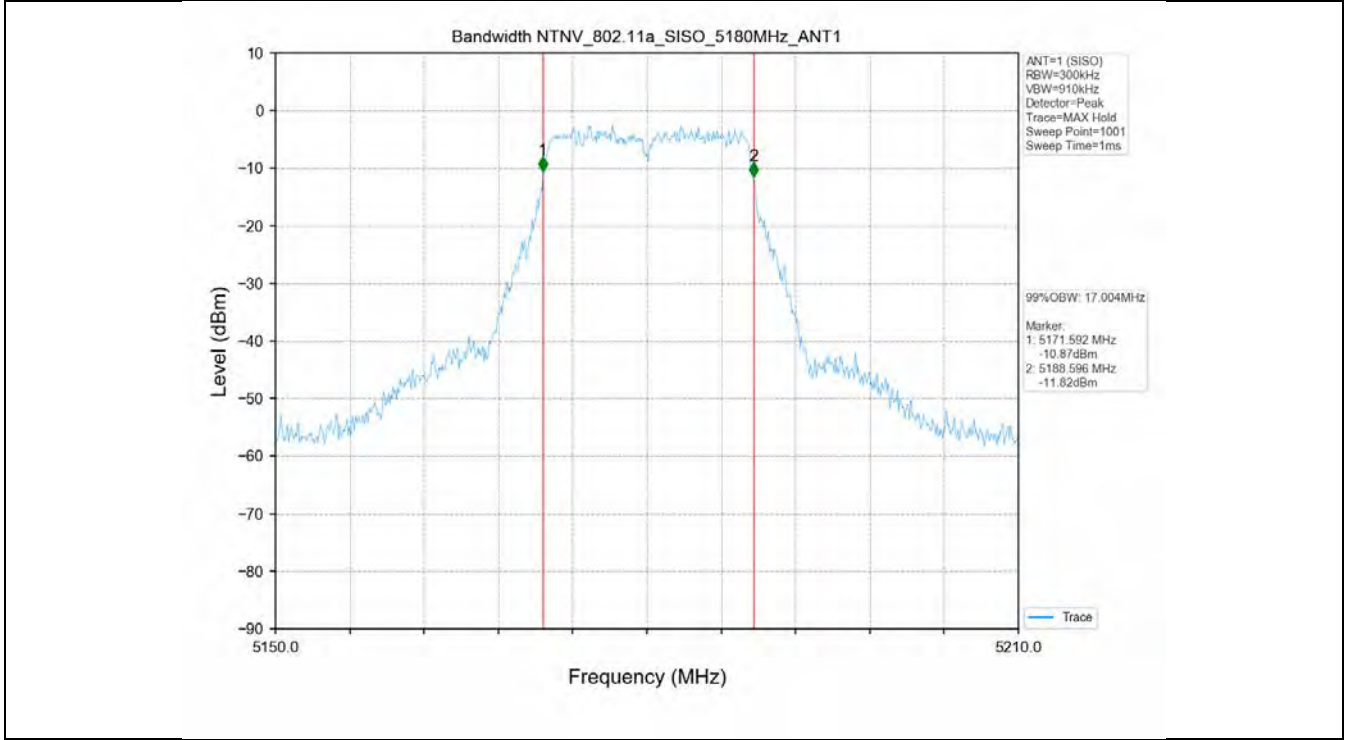


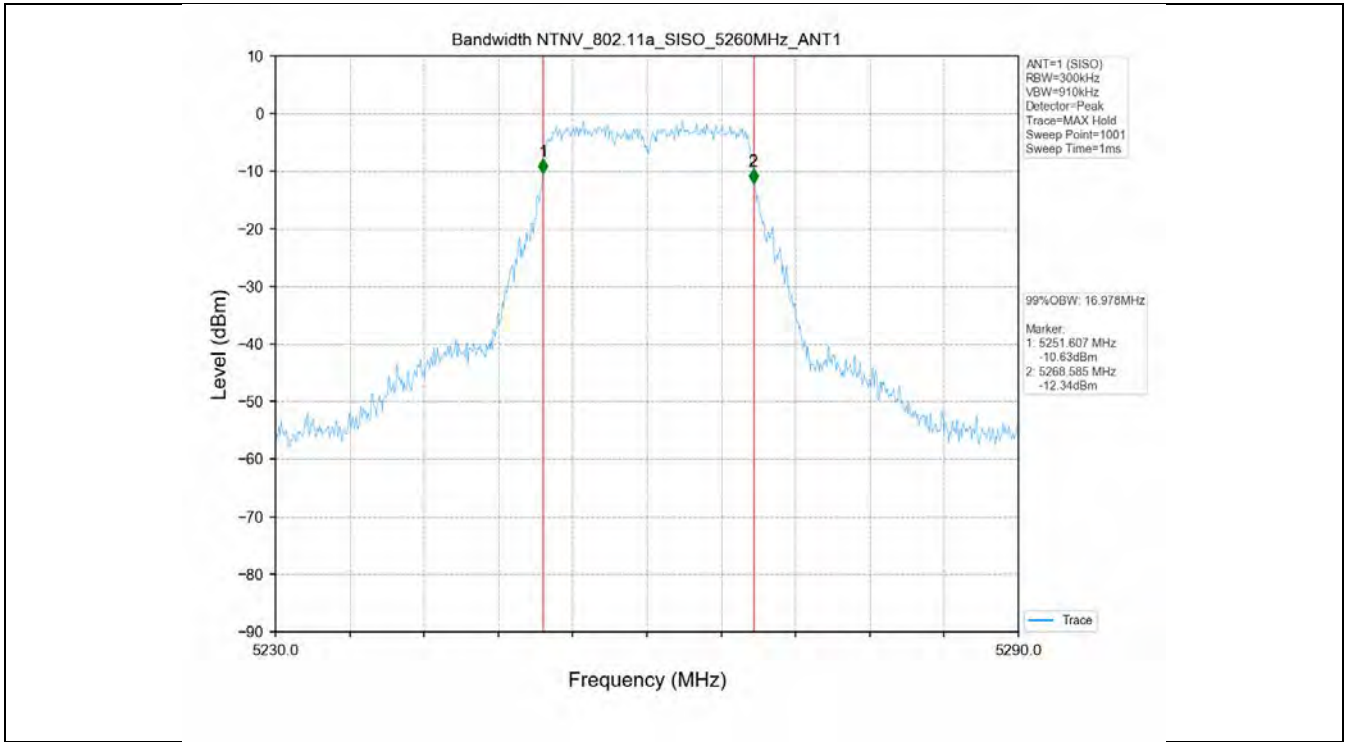
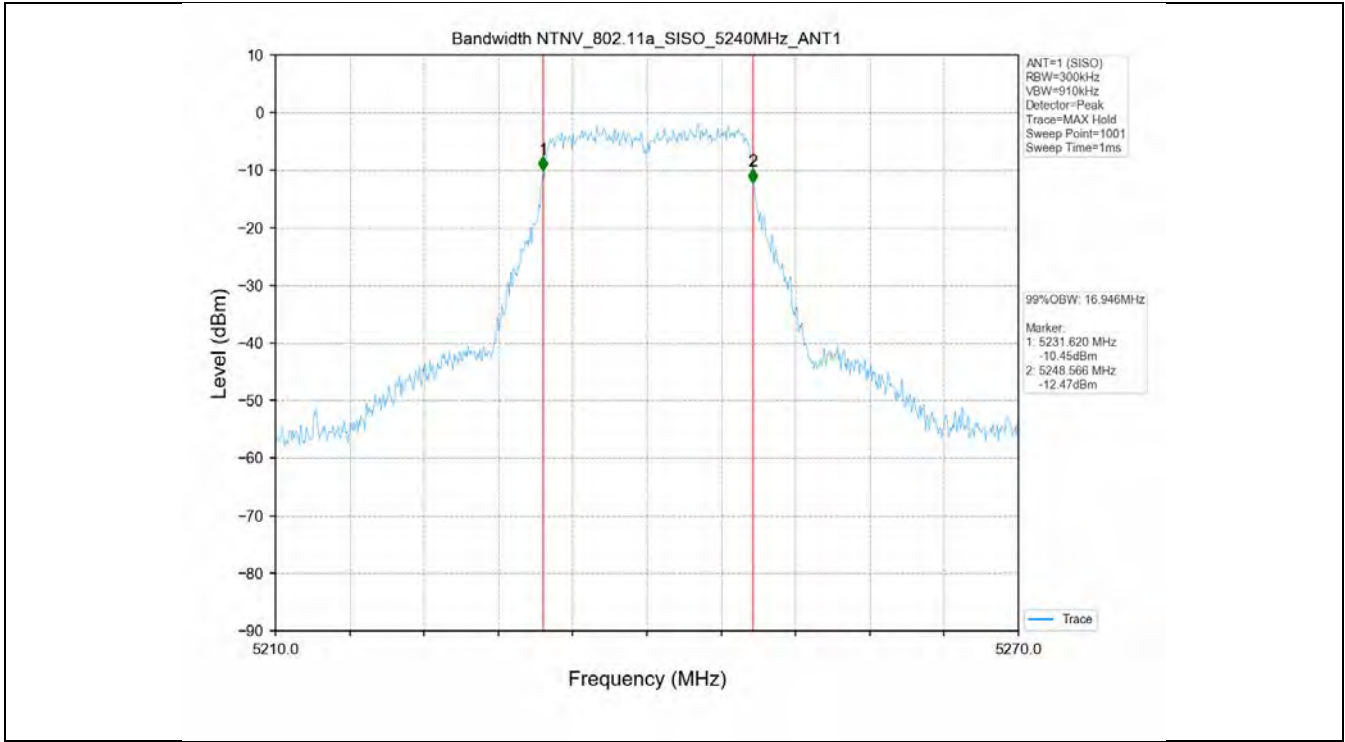


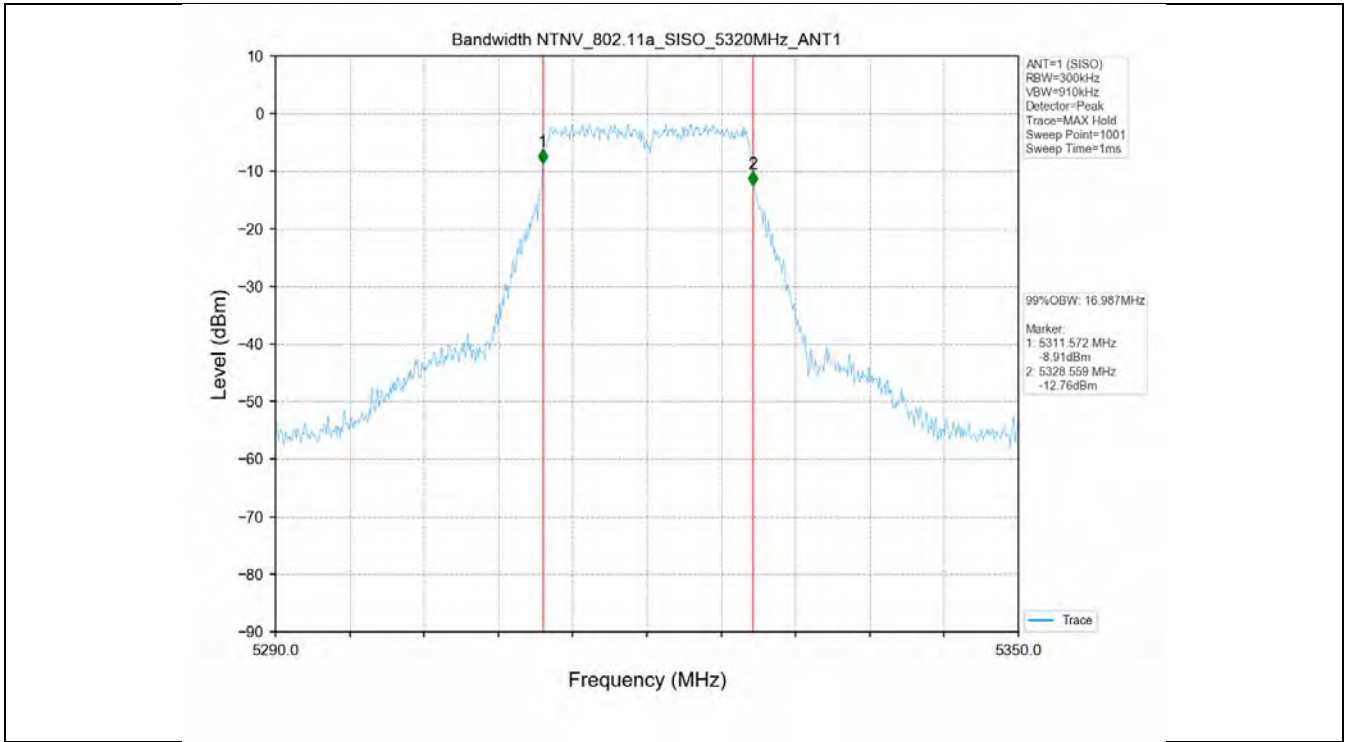
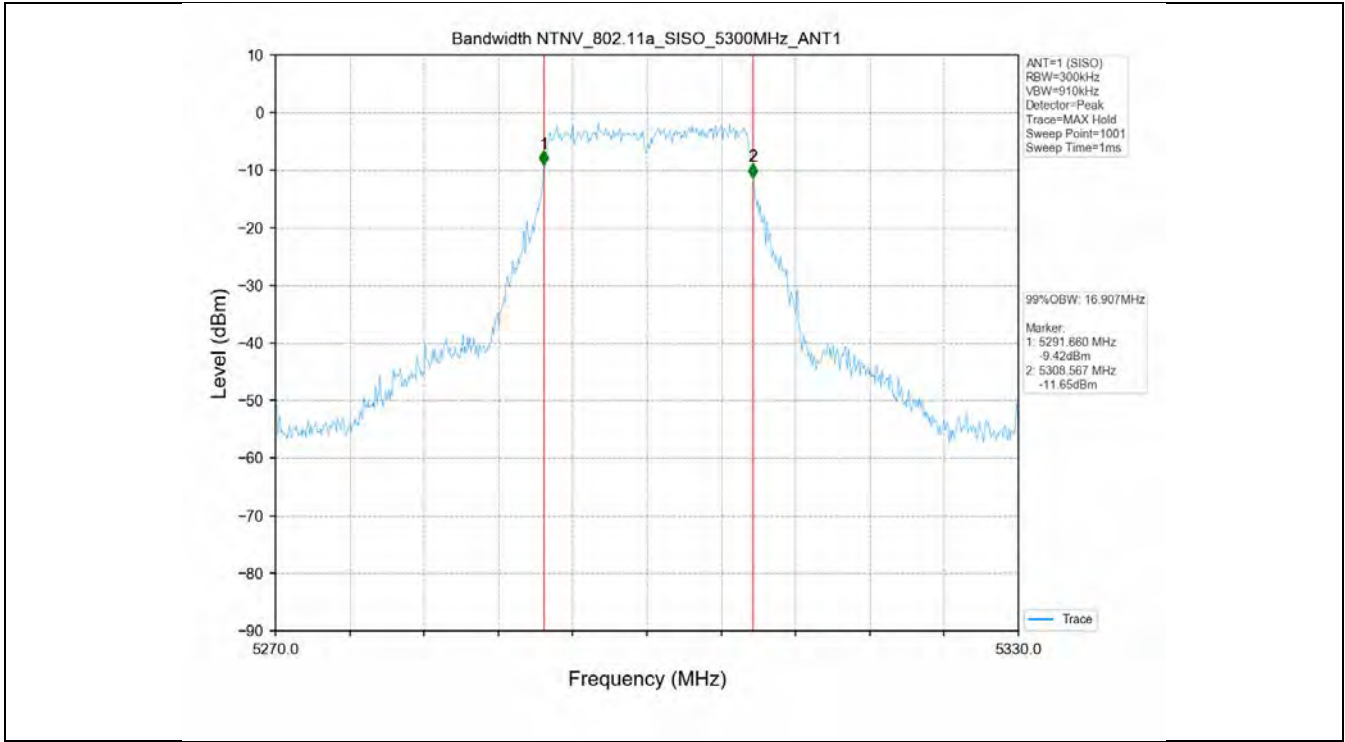


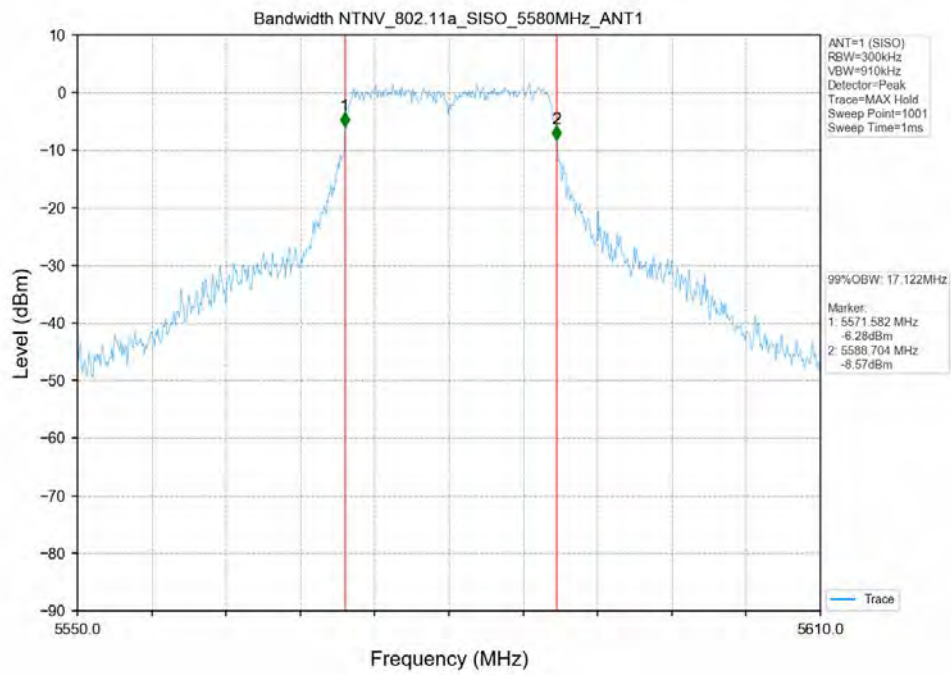
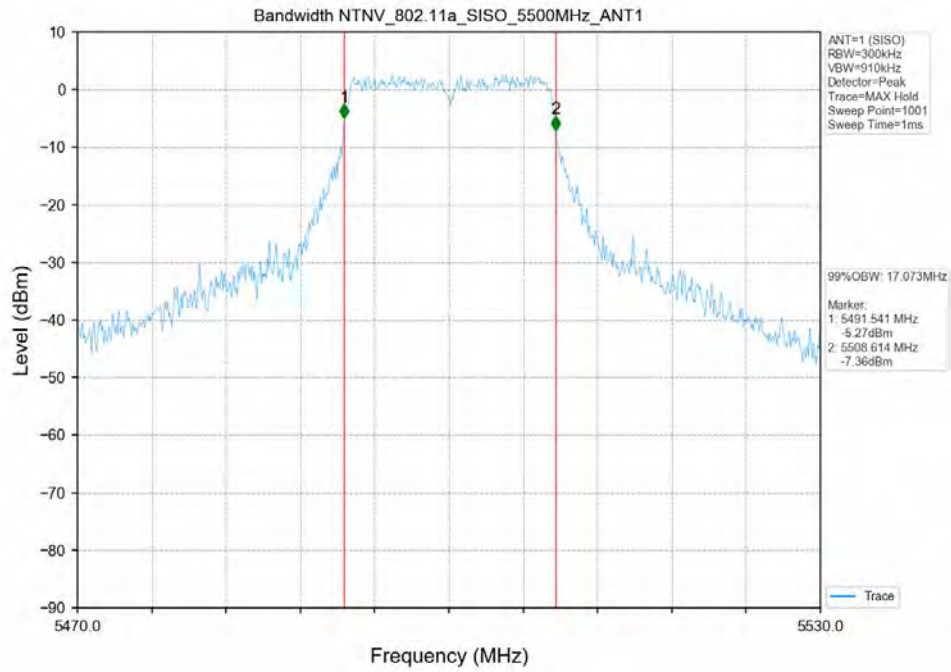


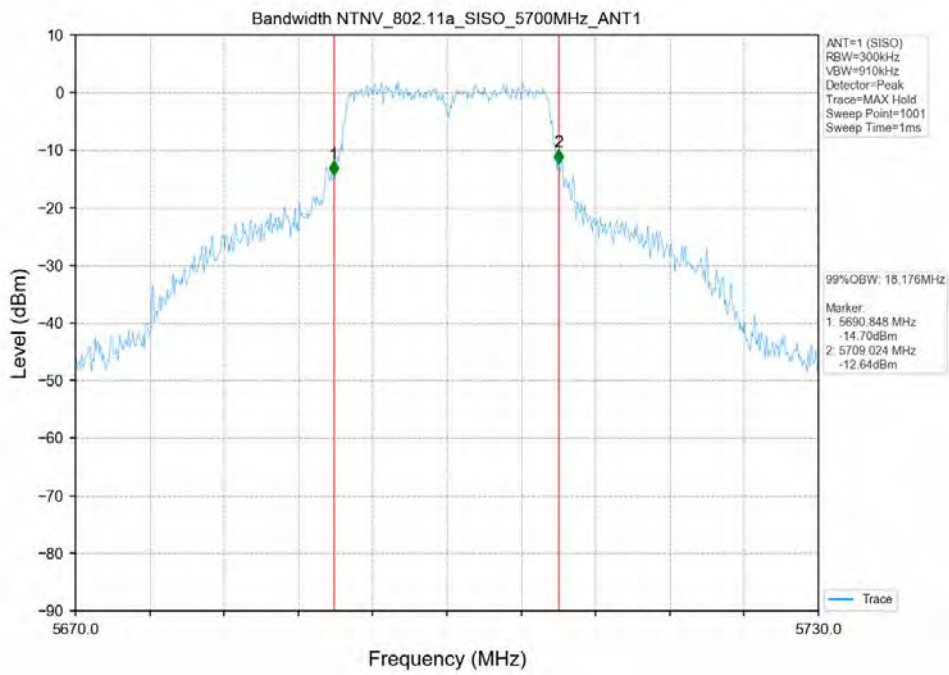
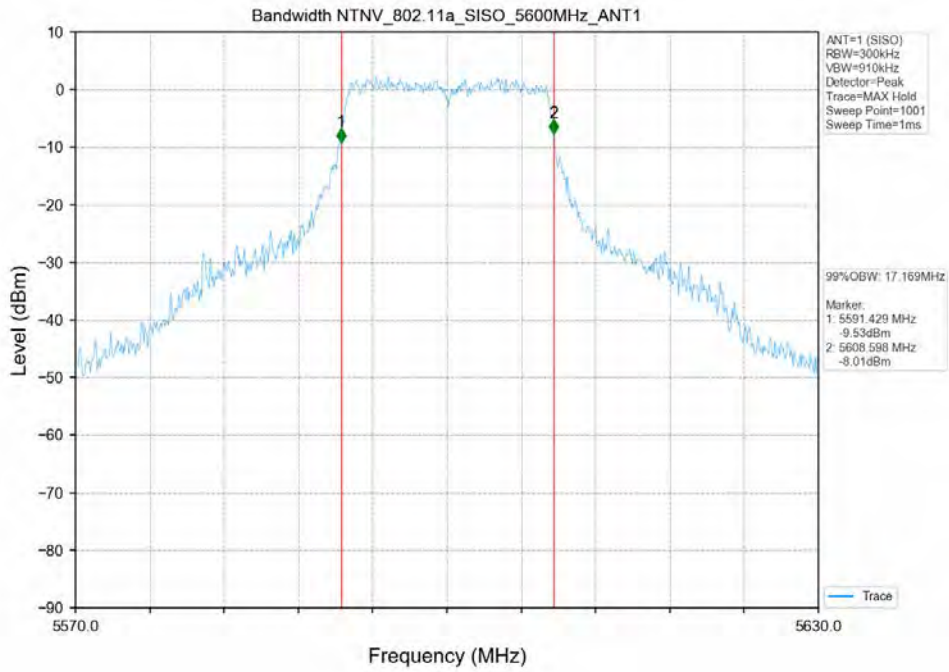
2.3 Test Graph - 99% Occupied Bandwidth

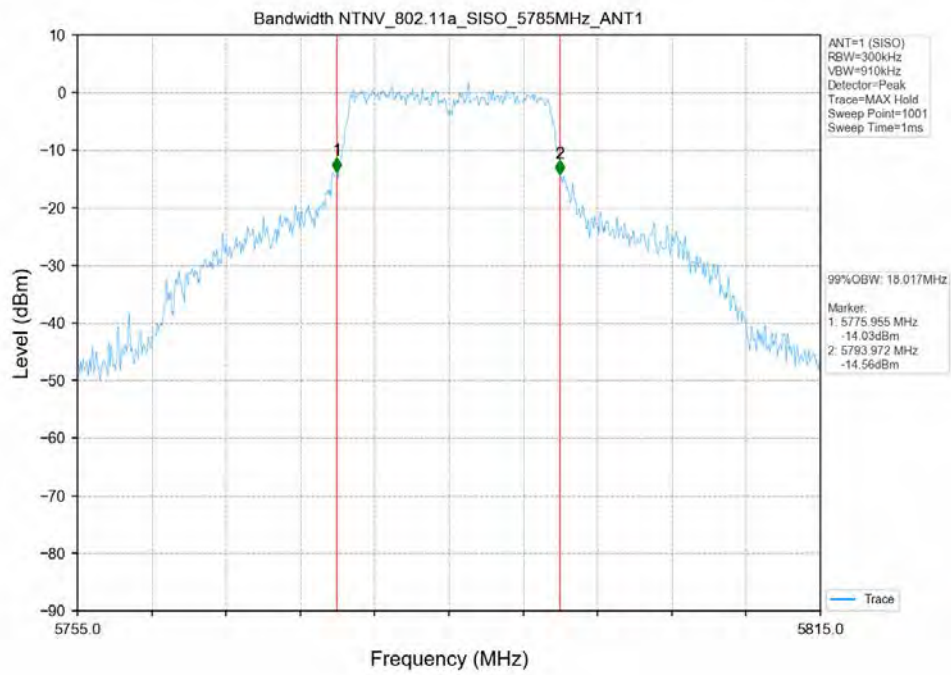
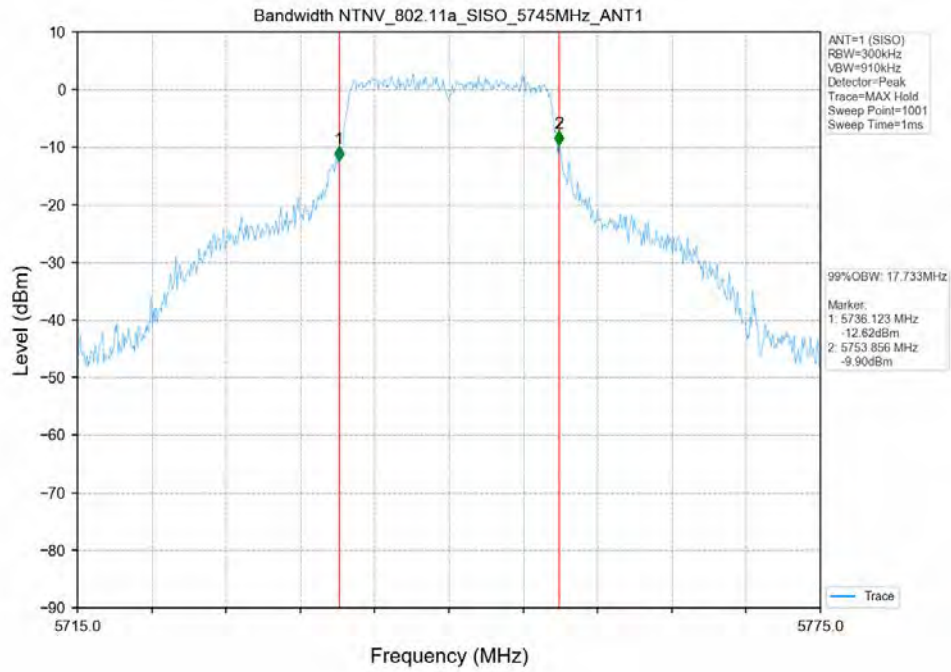


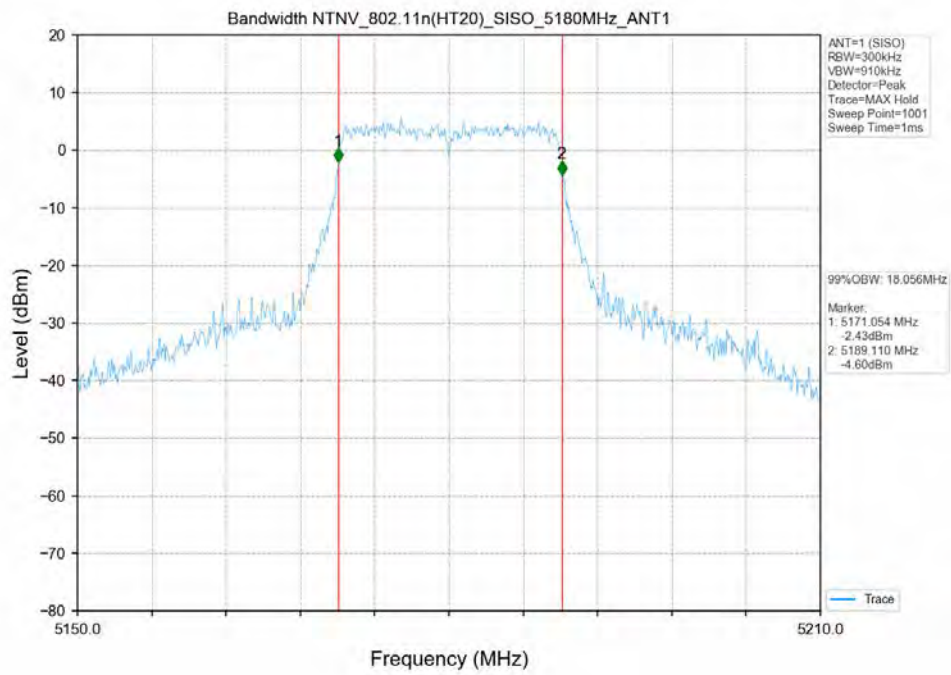
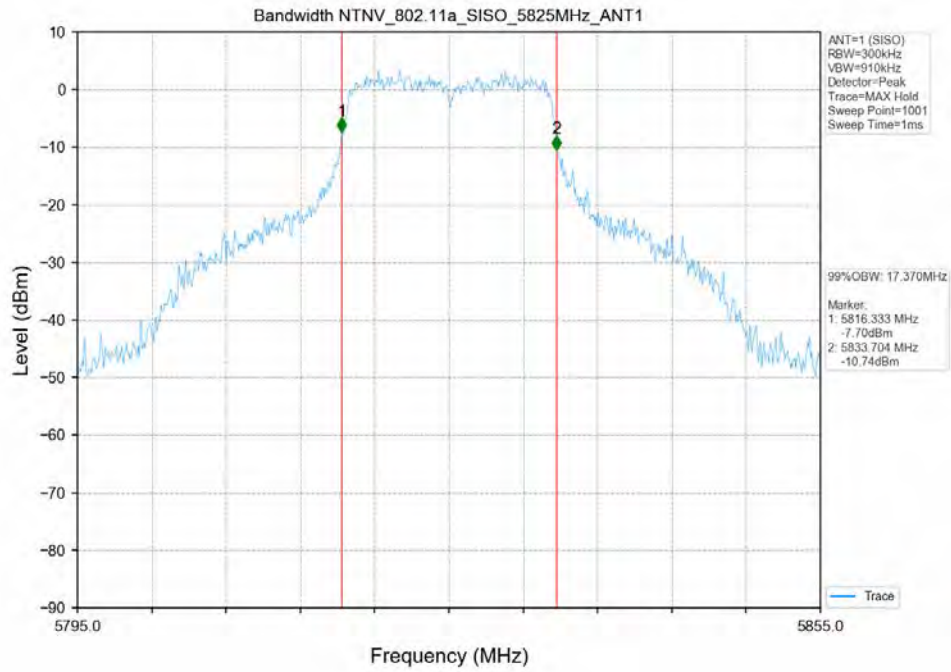


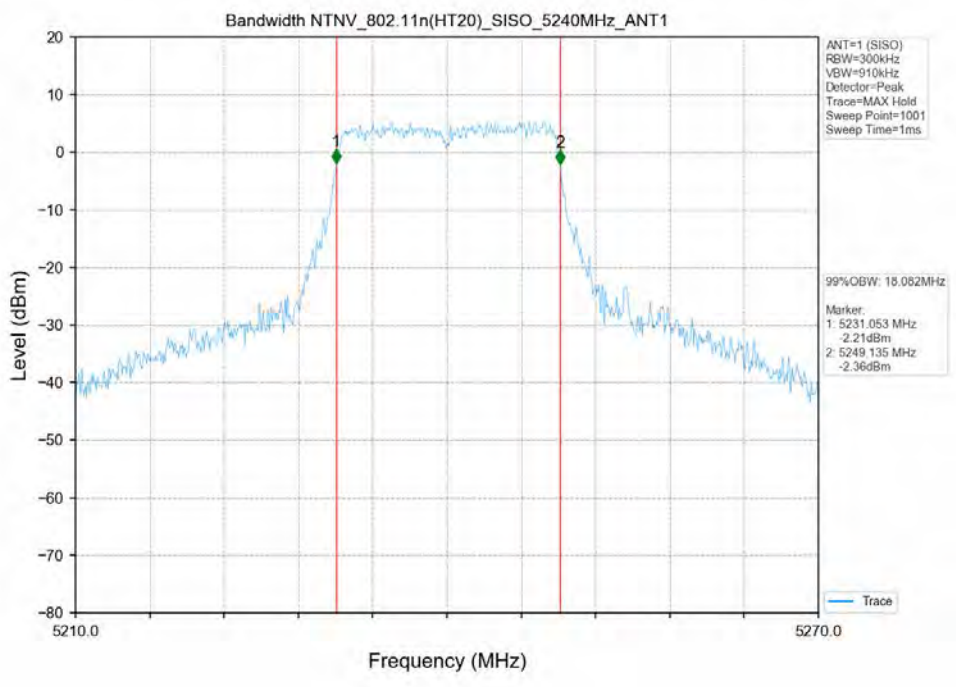
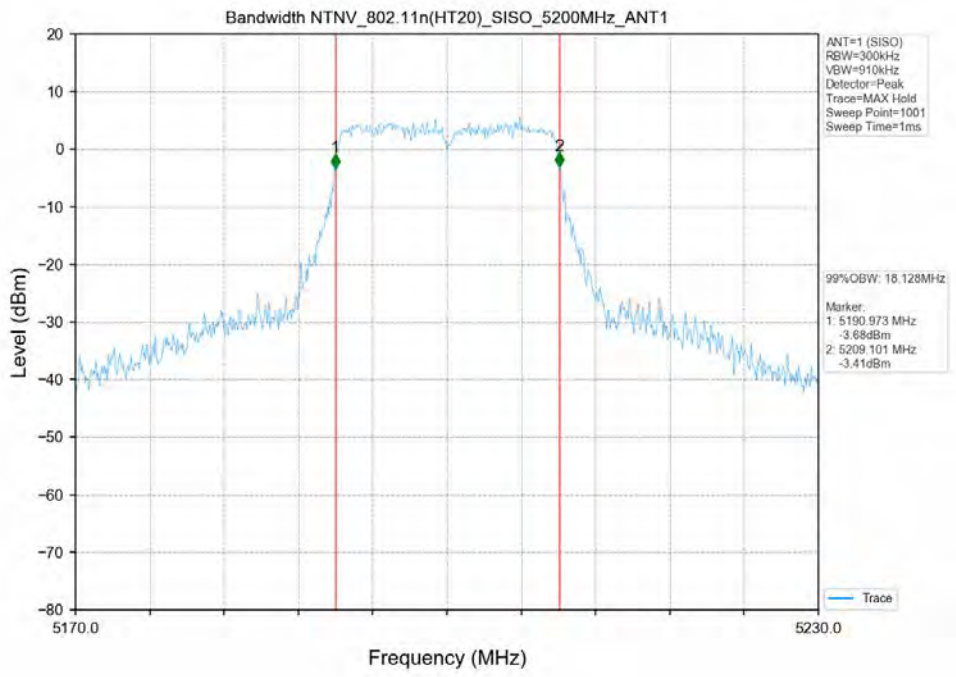


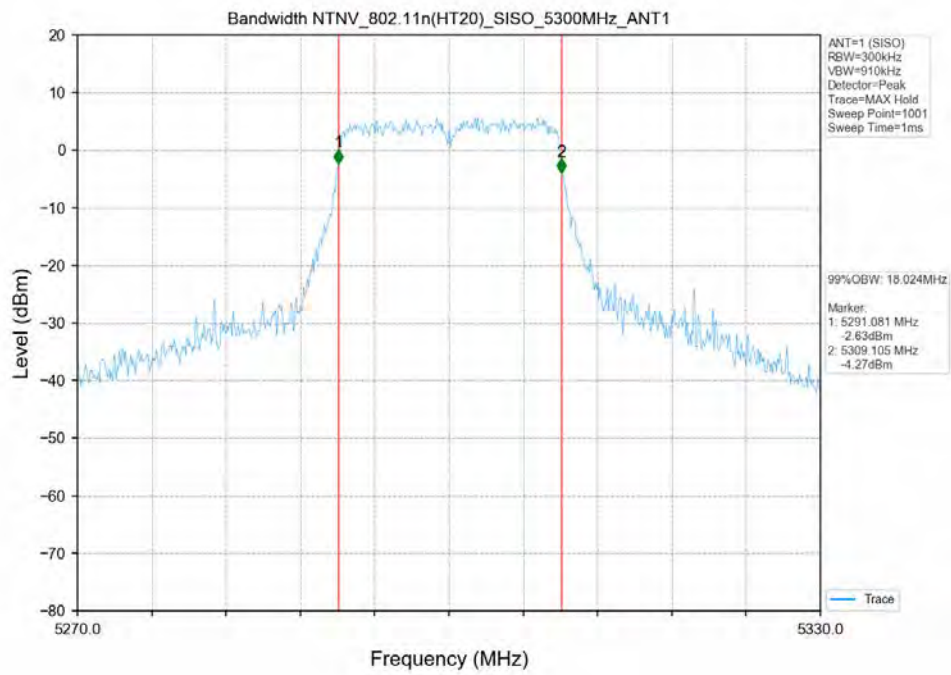
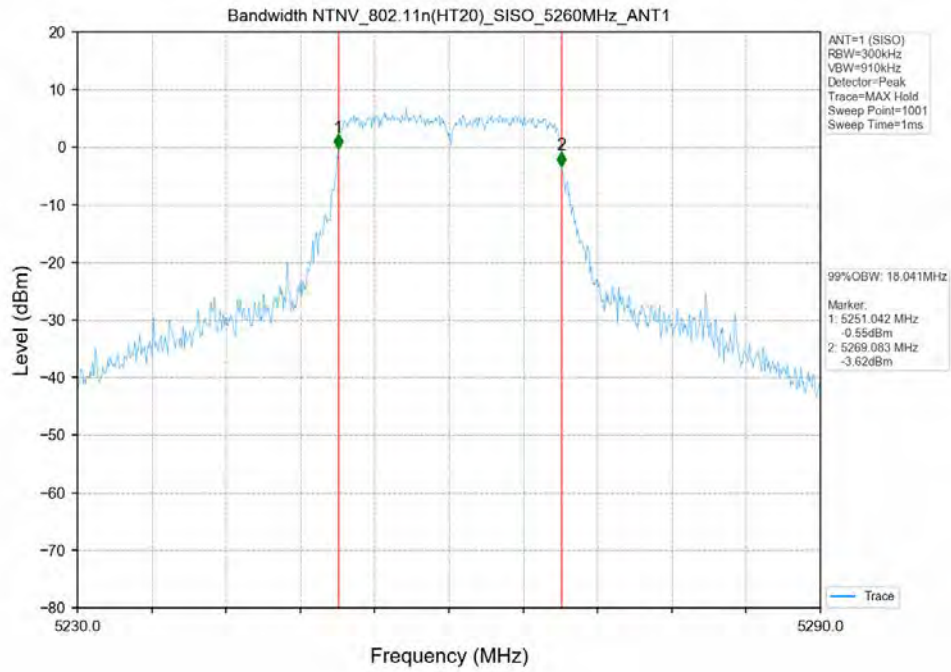


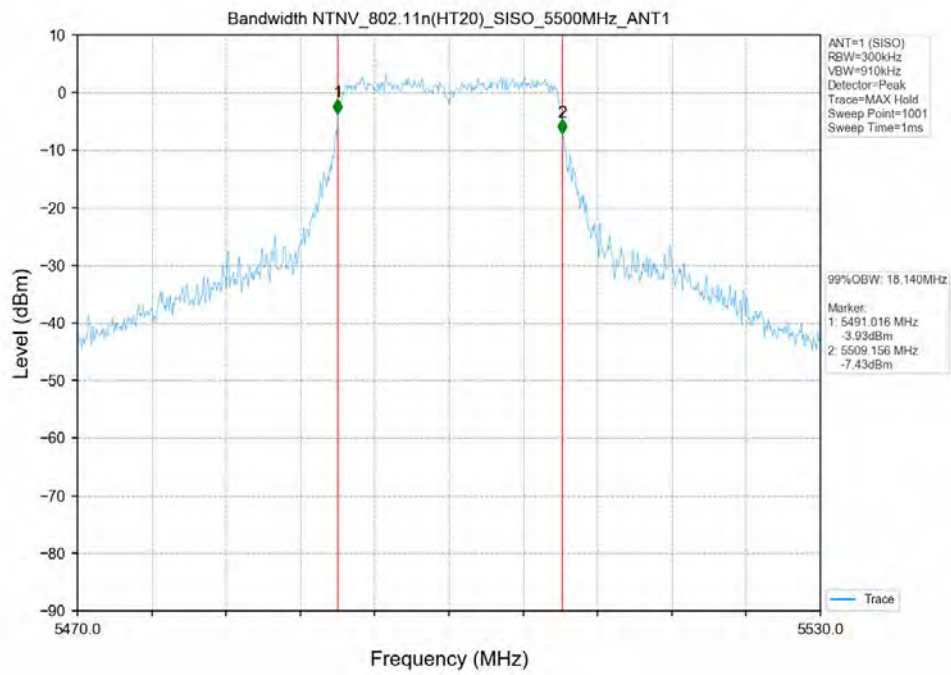
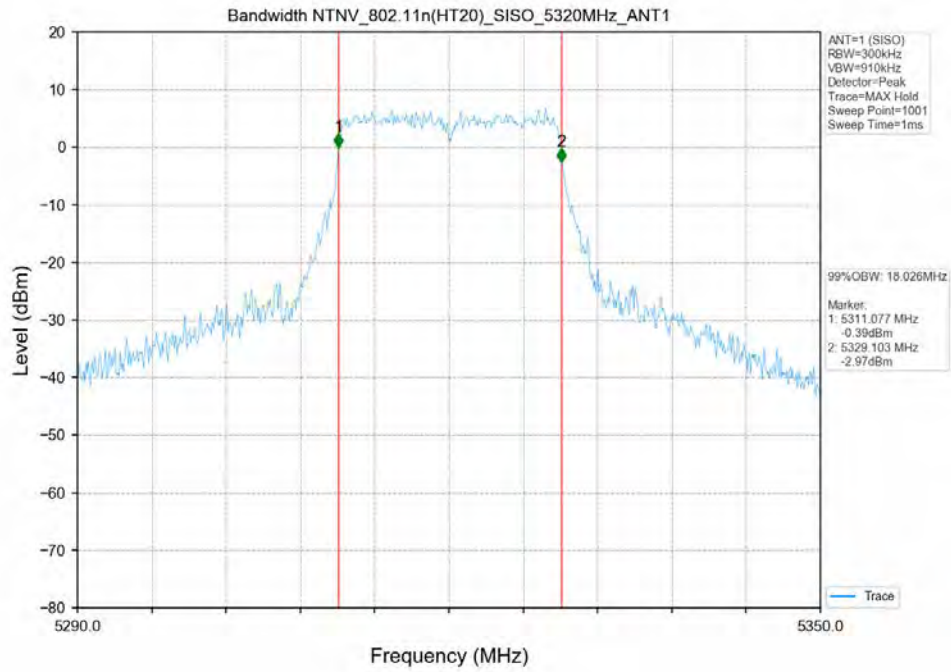


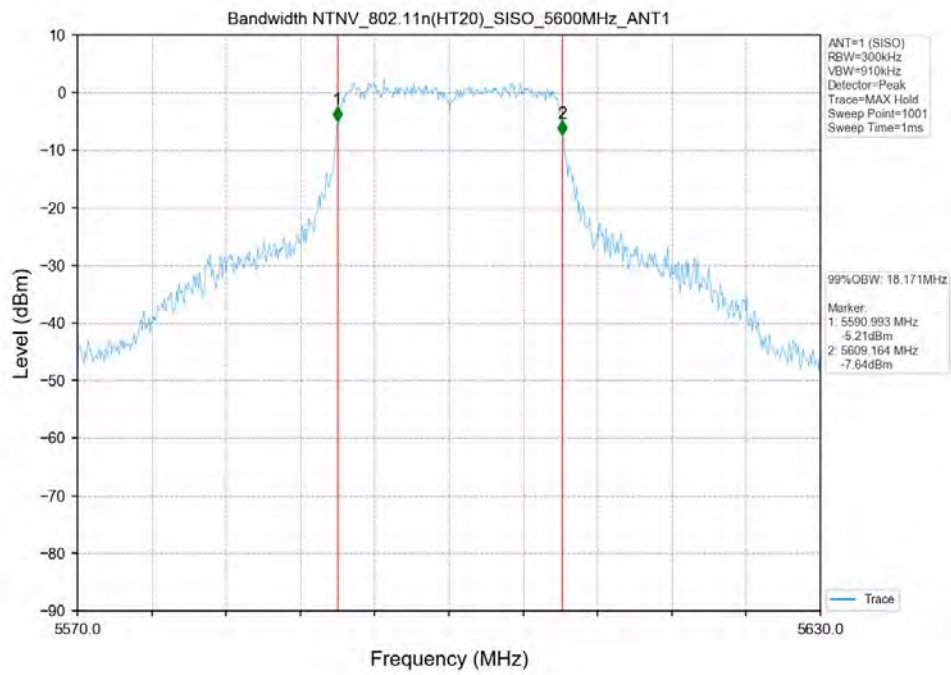
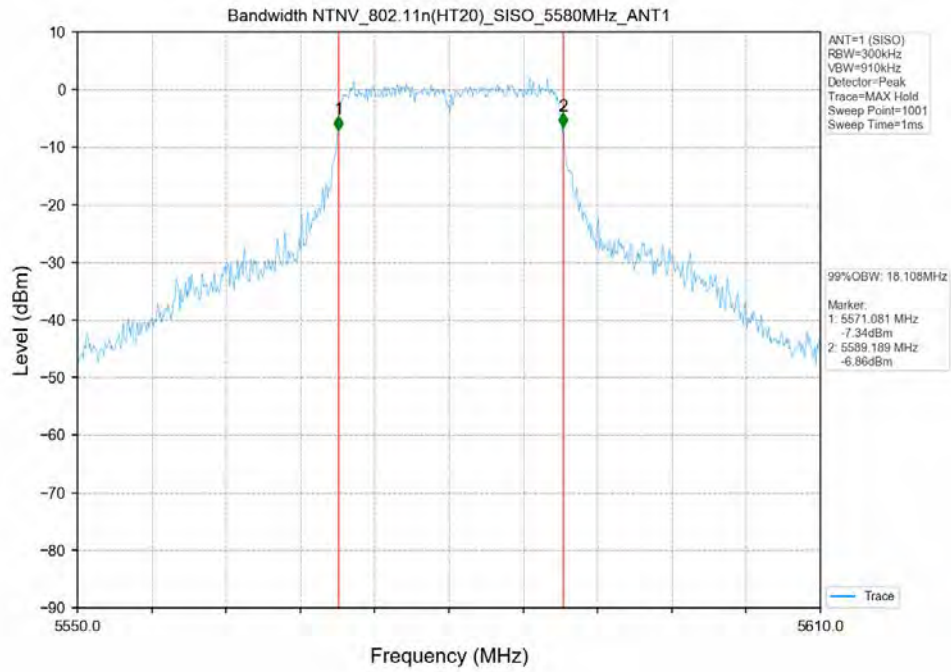


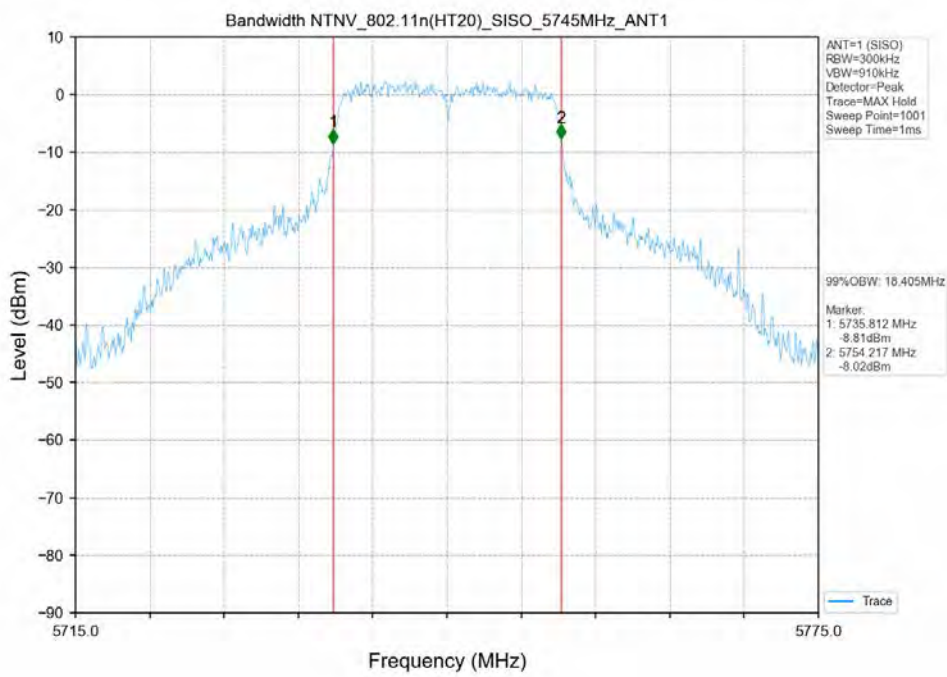
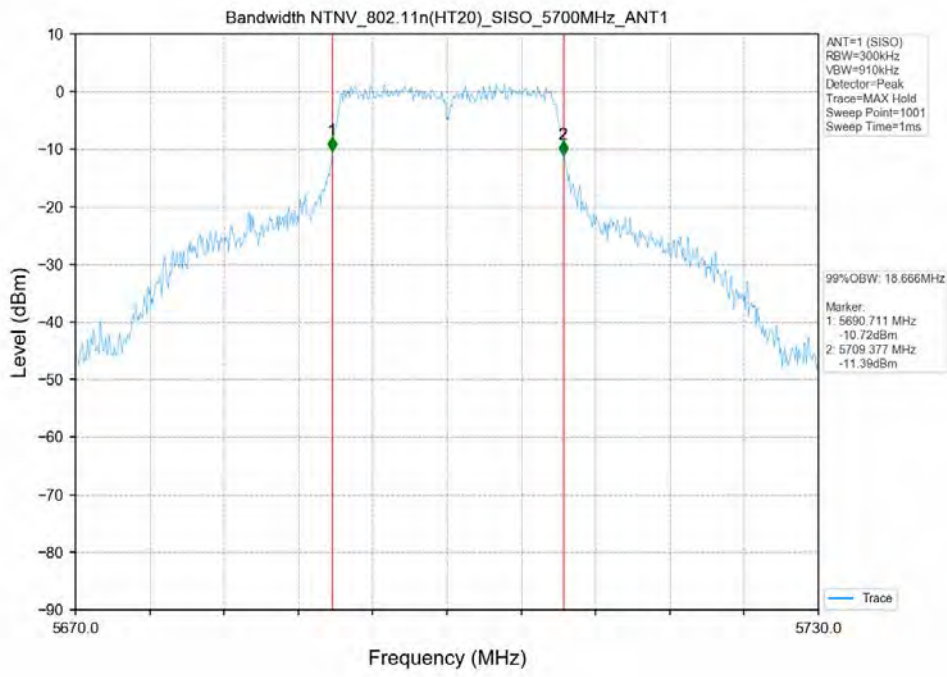


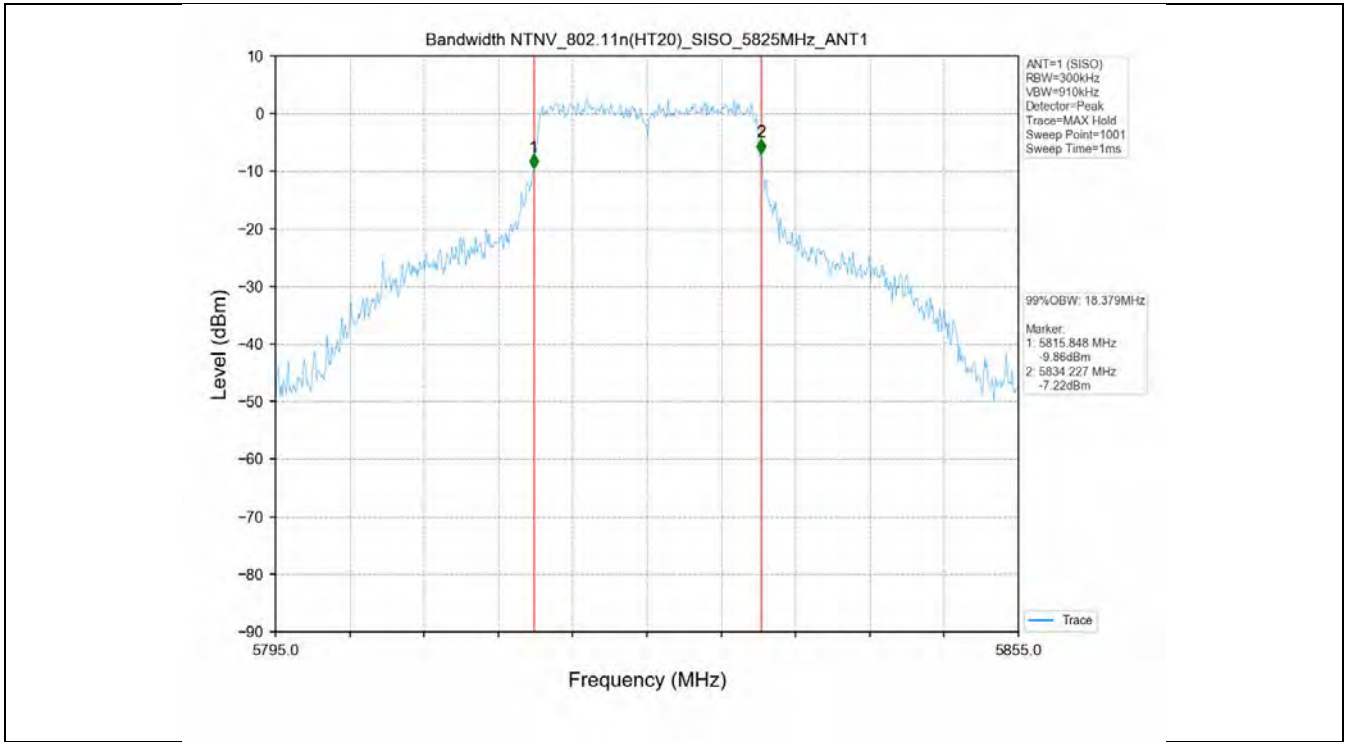
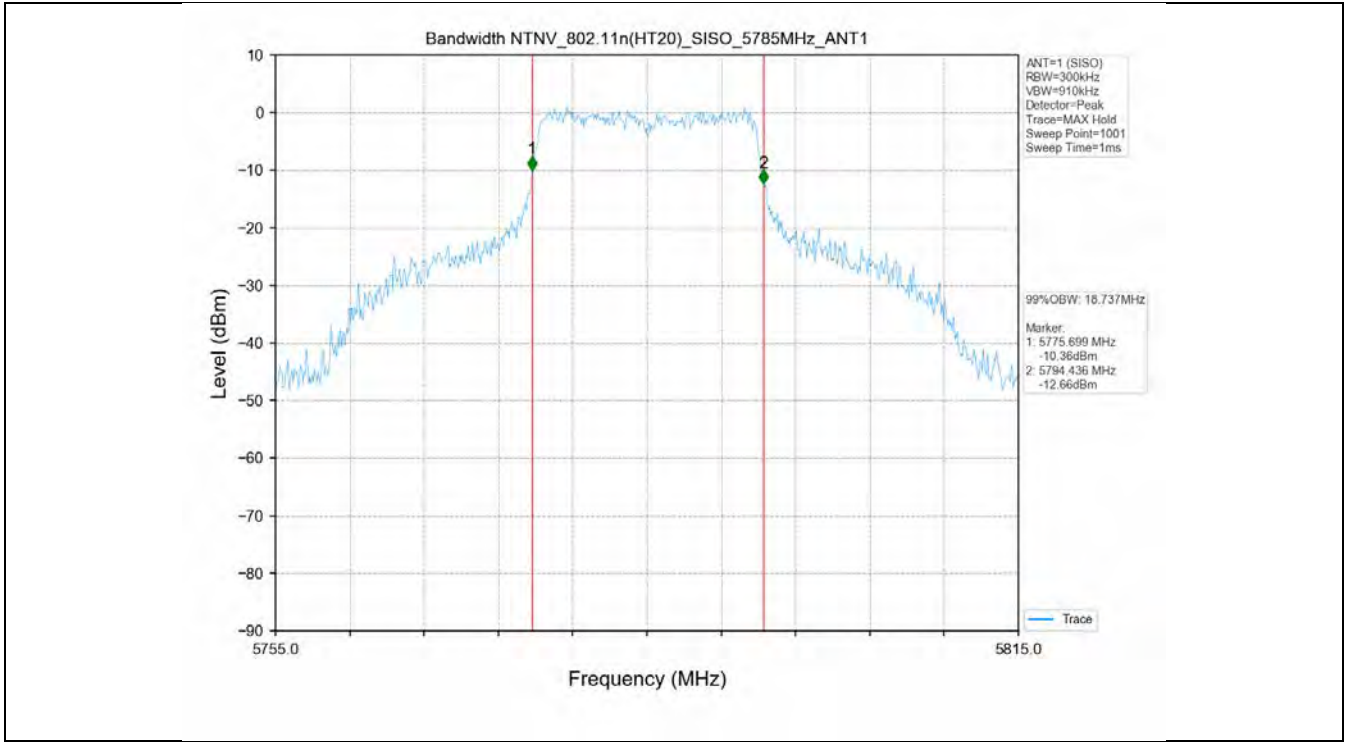


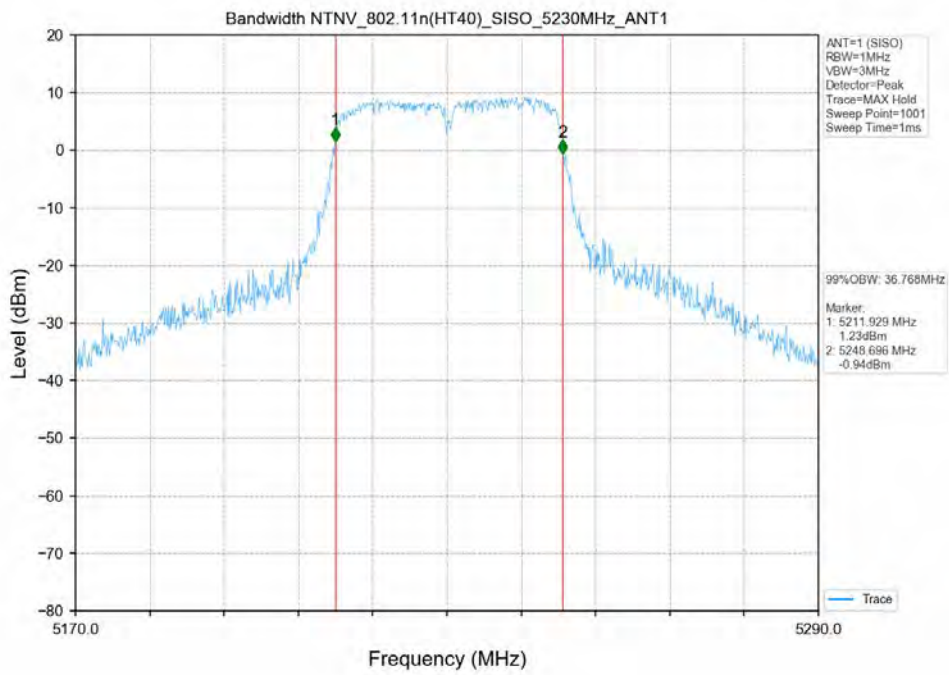
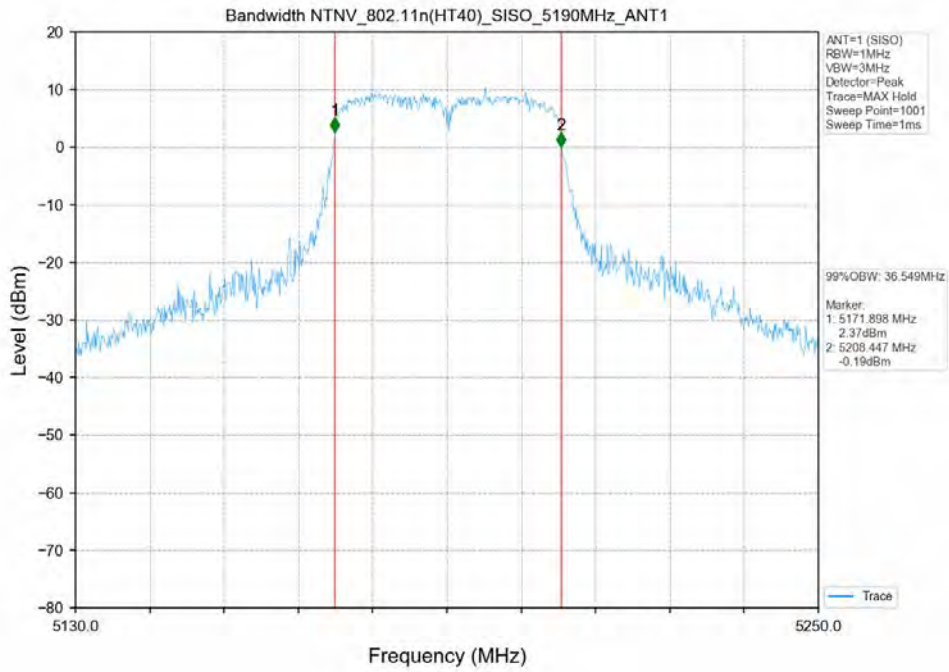


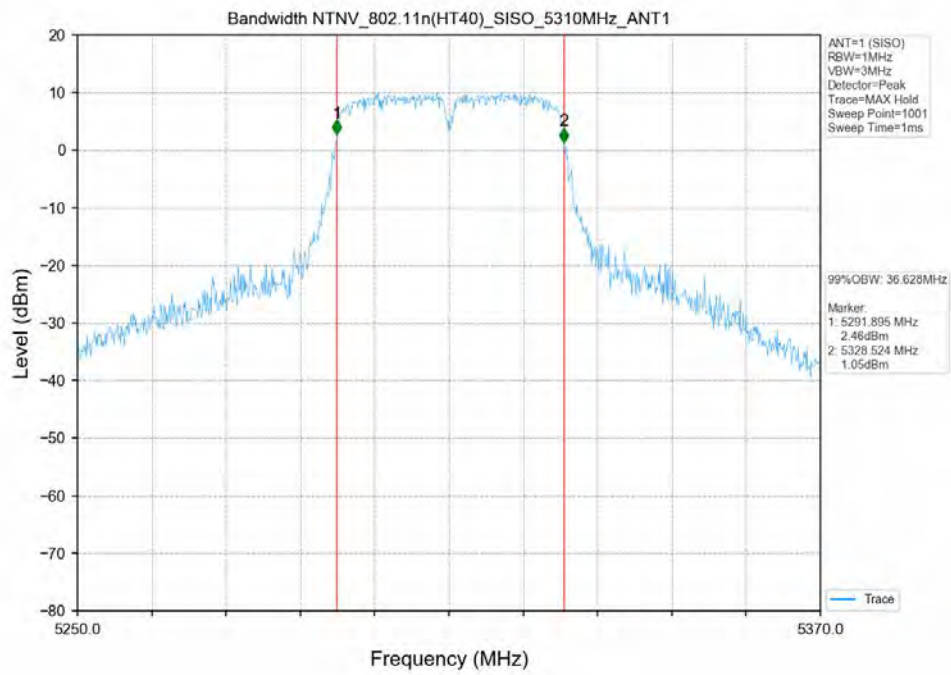
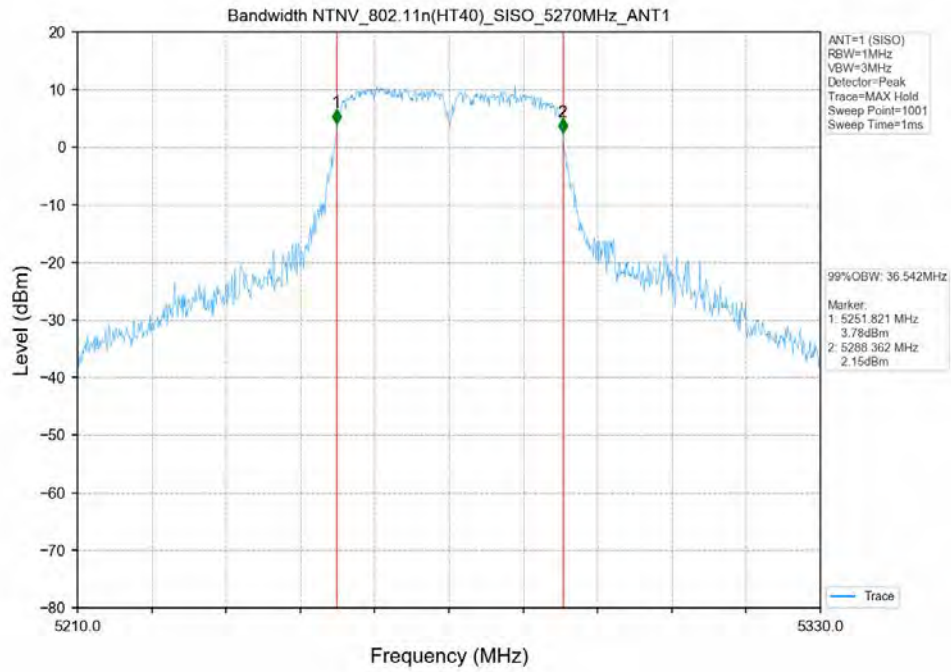


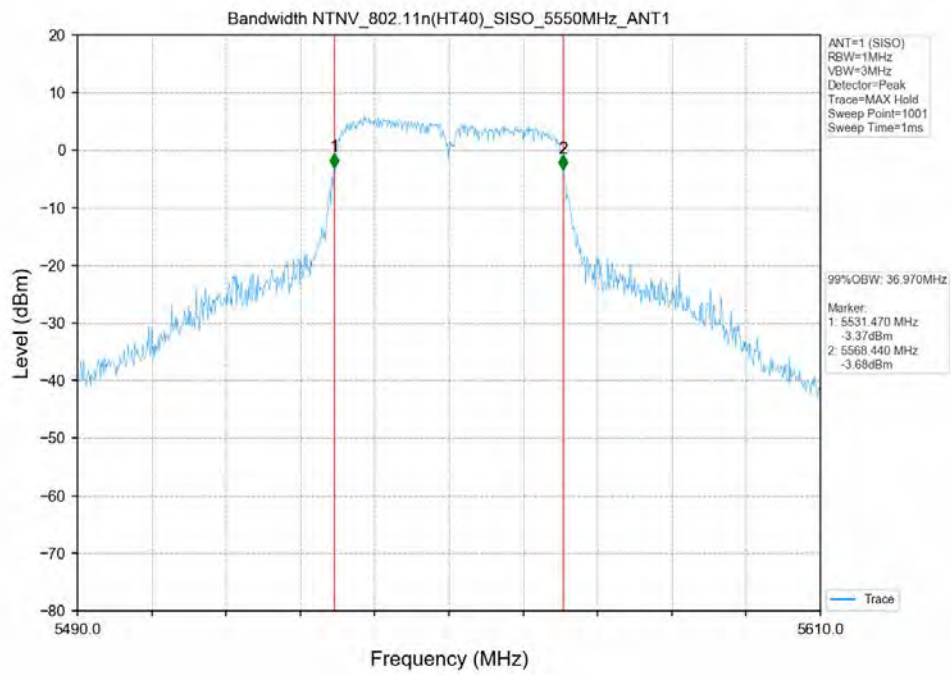
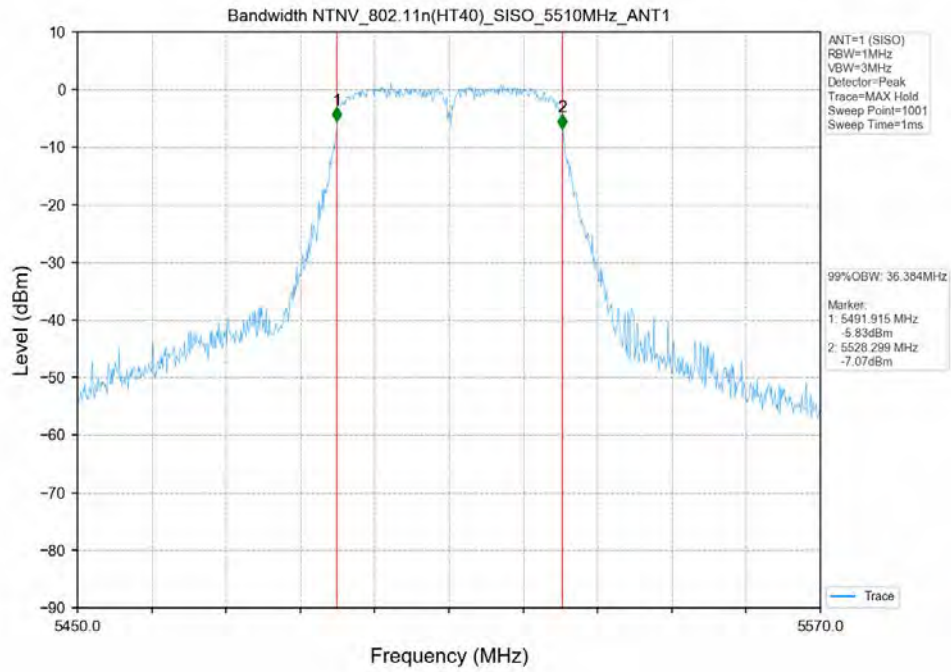


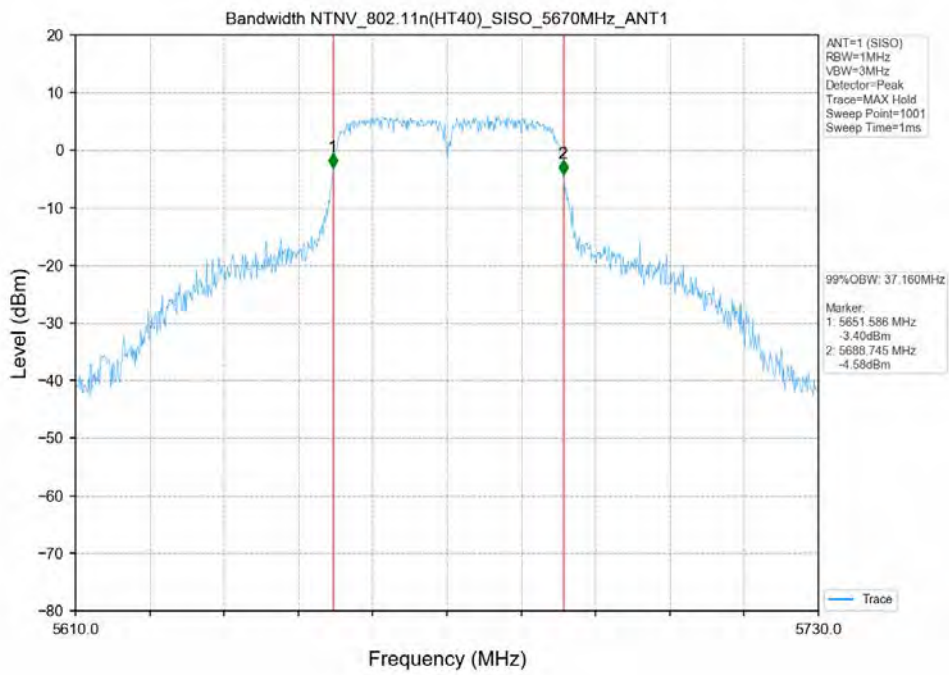
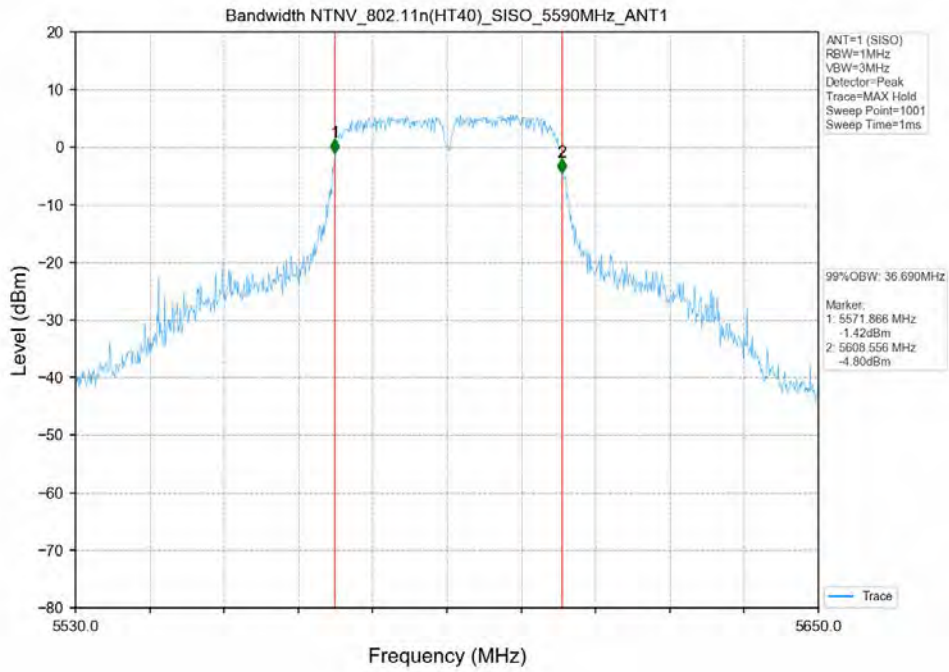


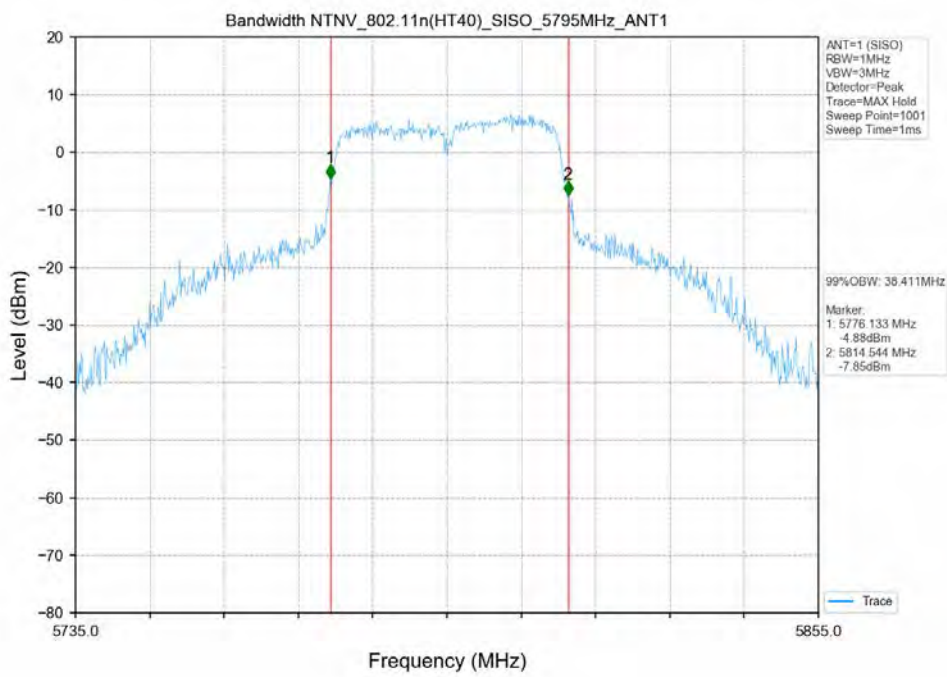
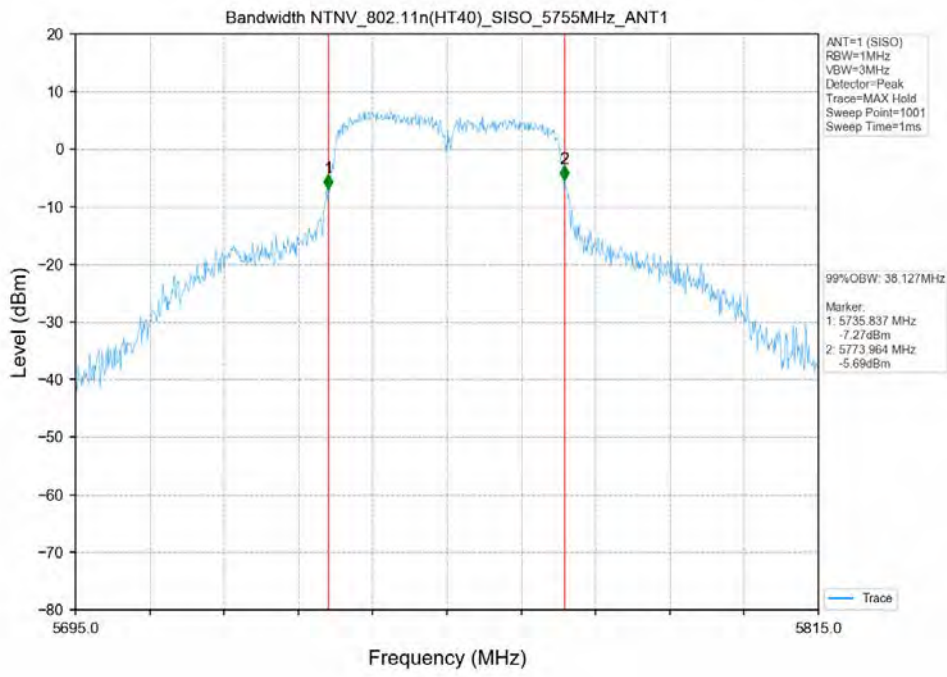


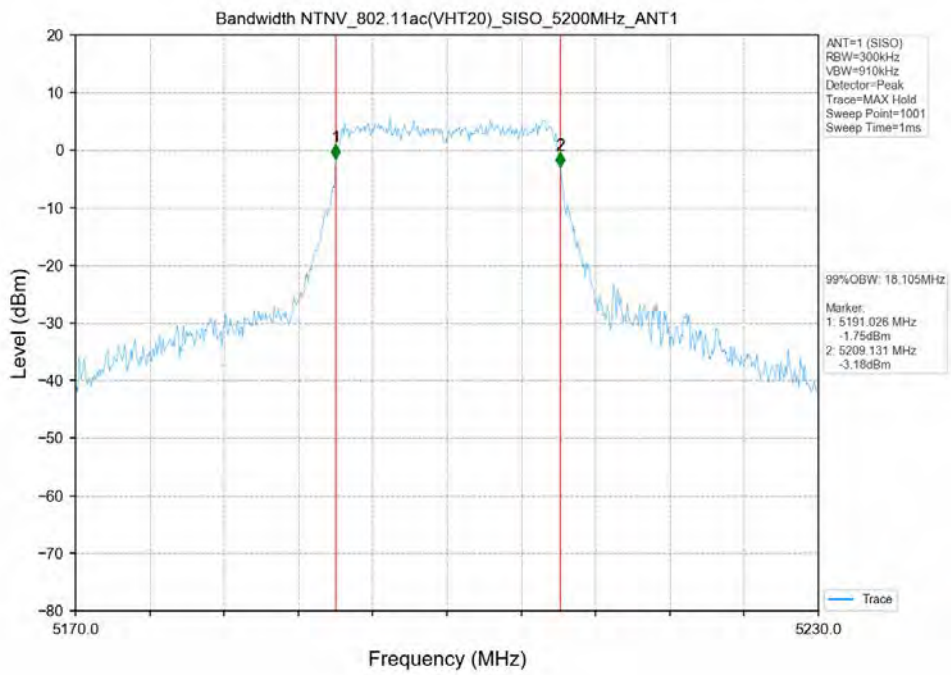
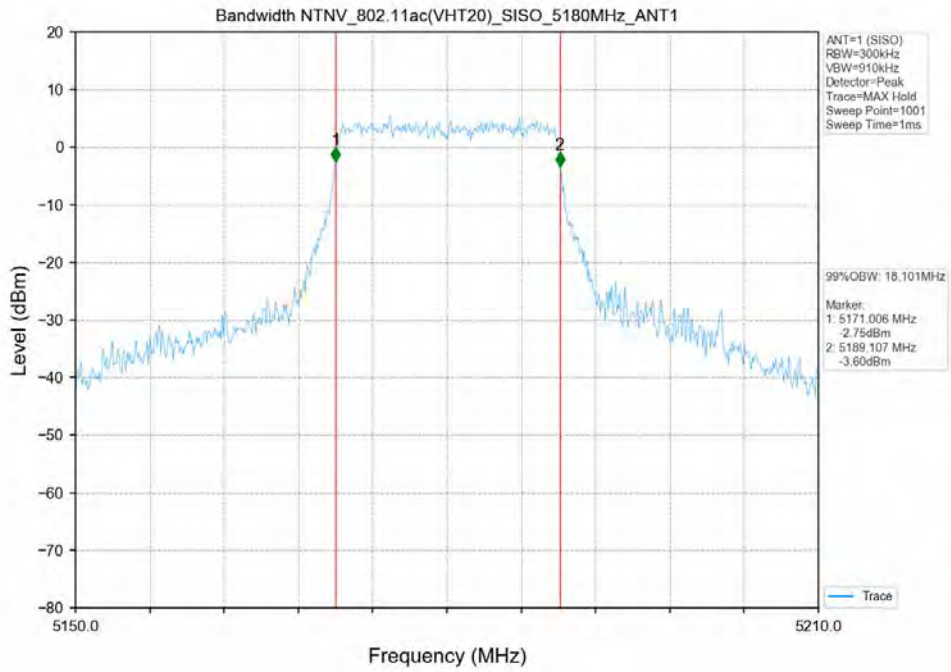


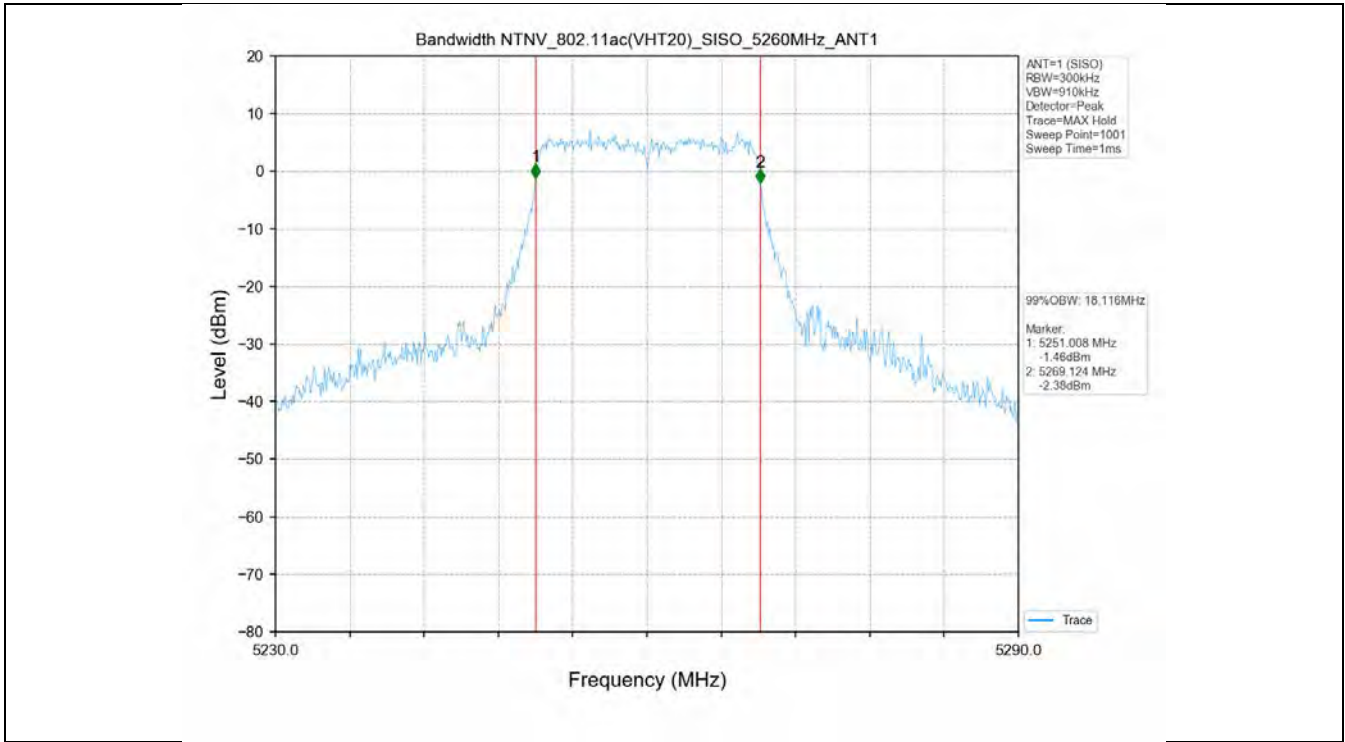
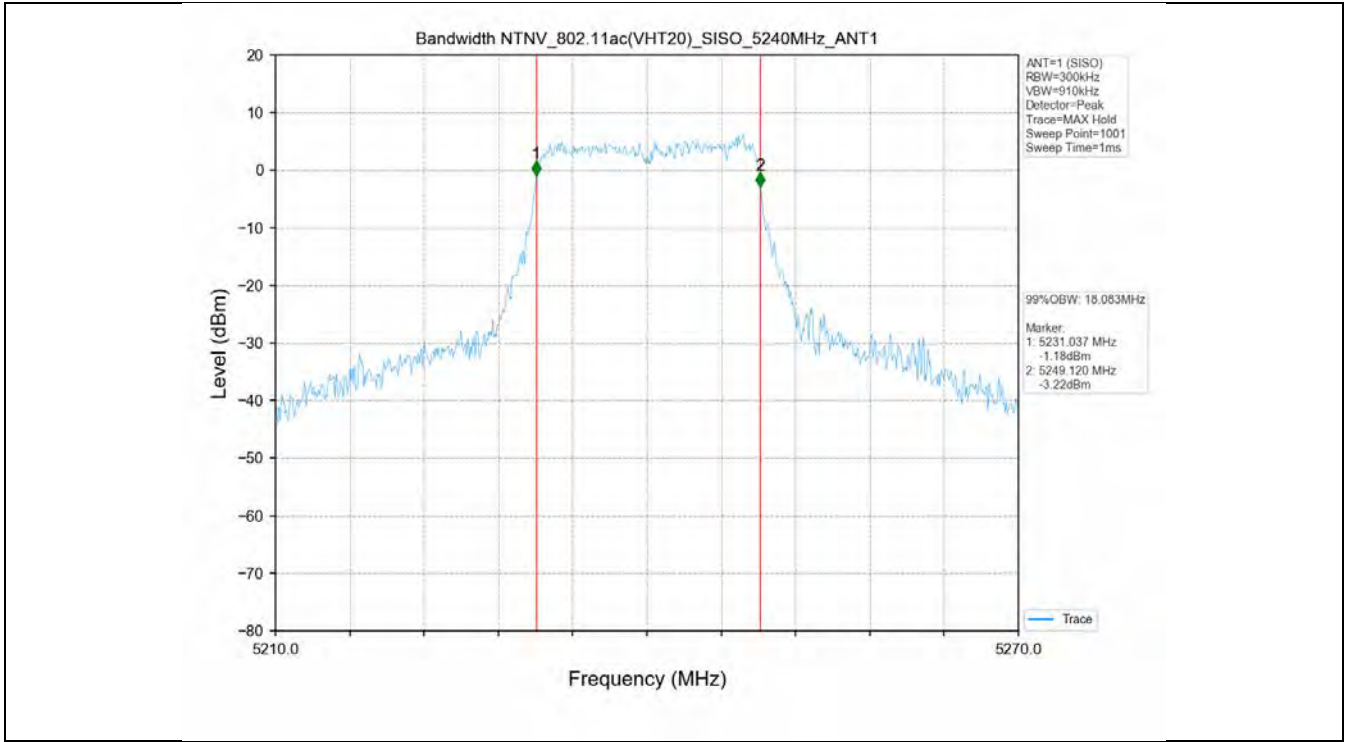


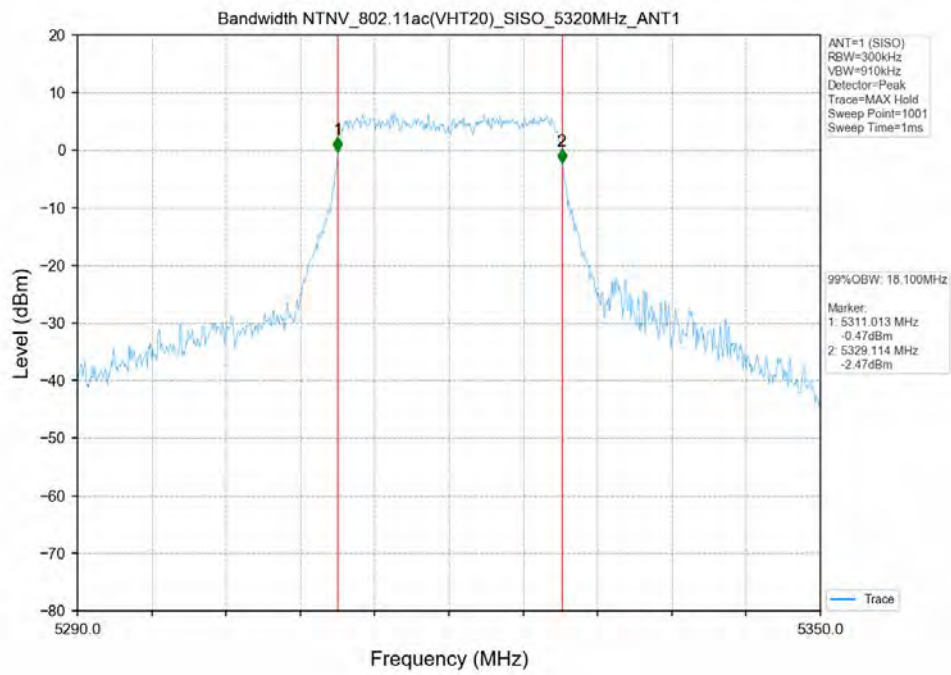
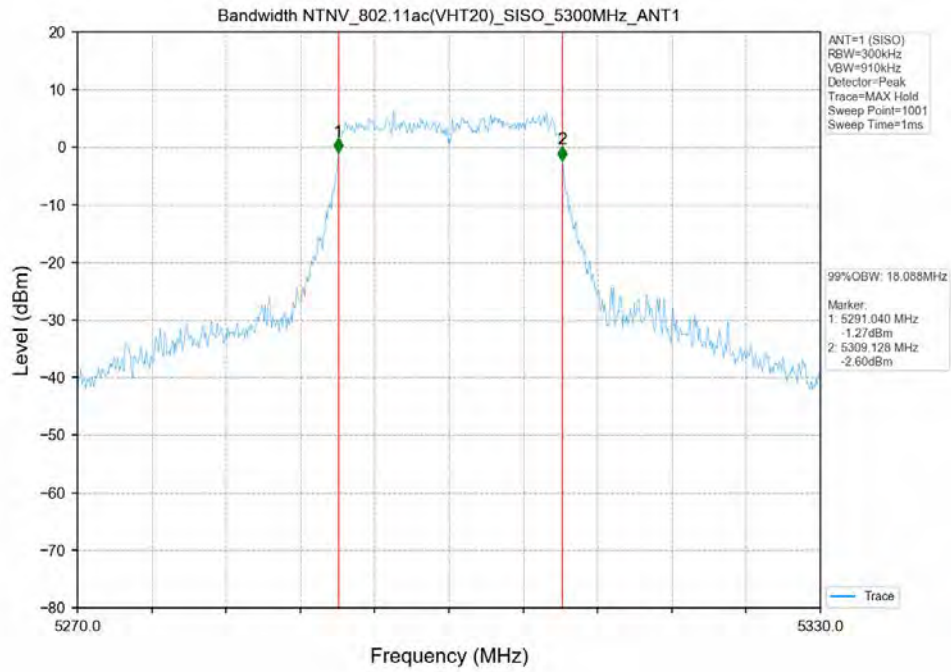


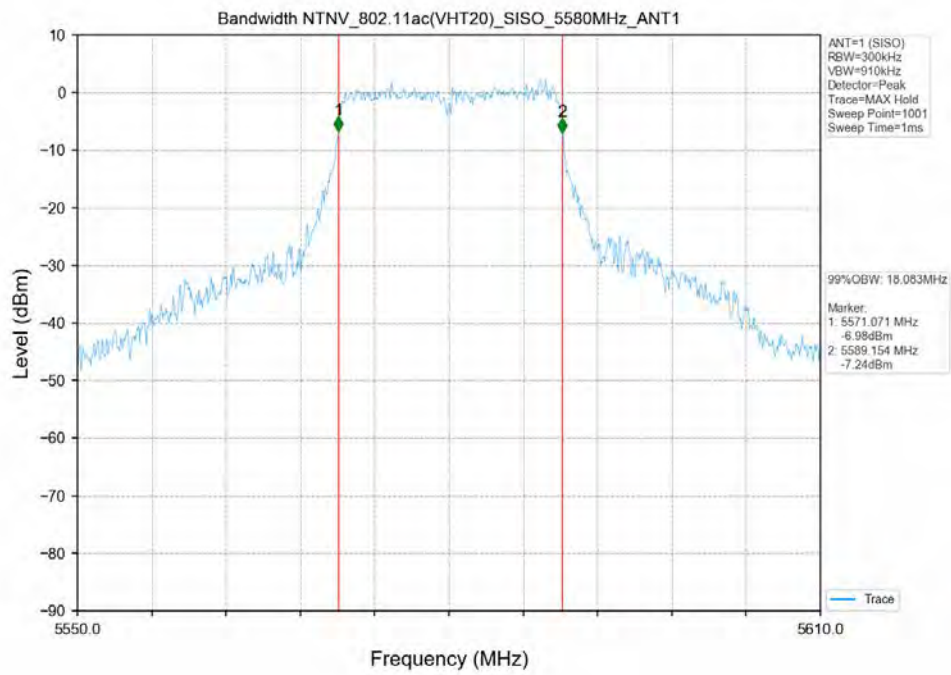
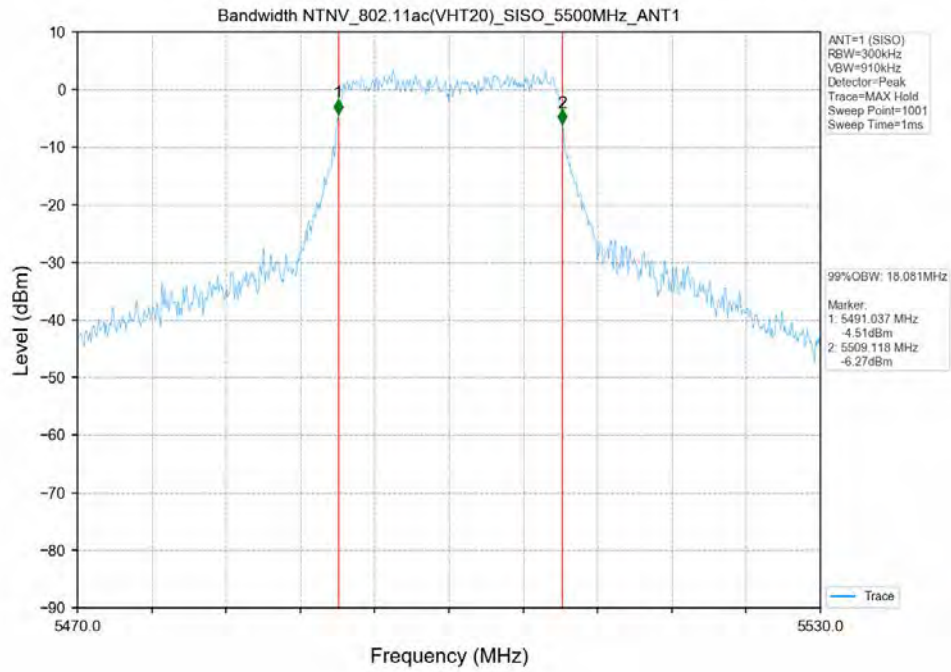


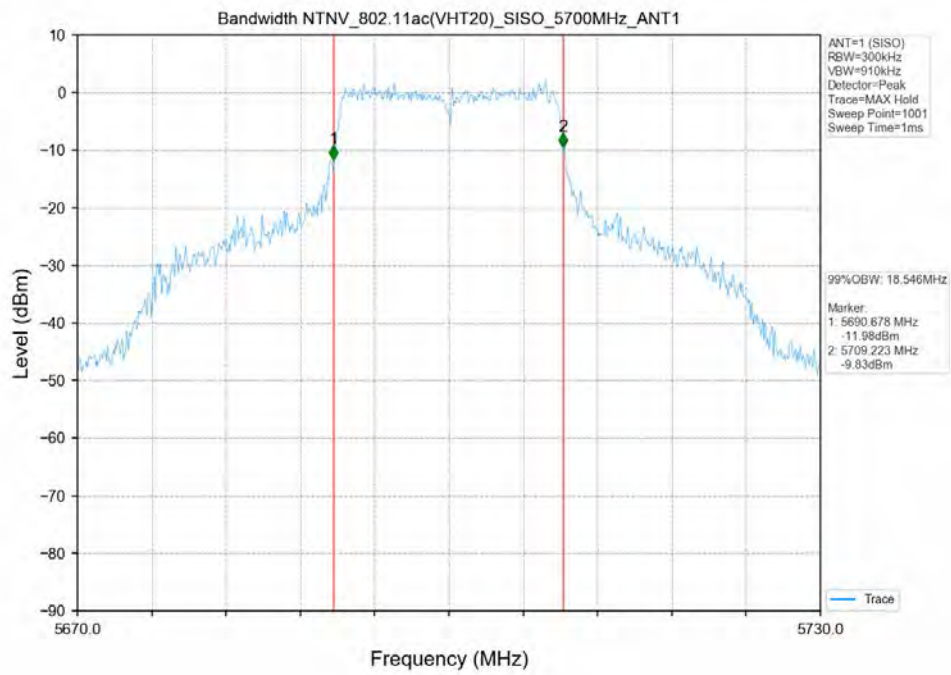
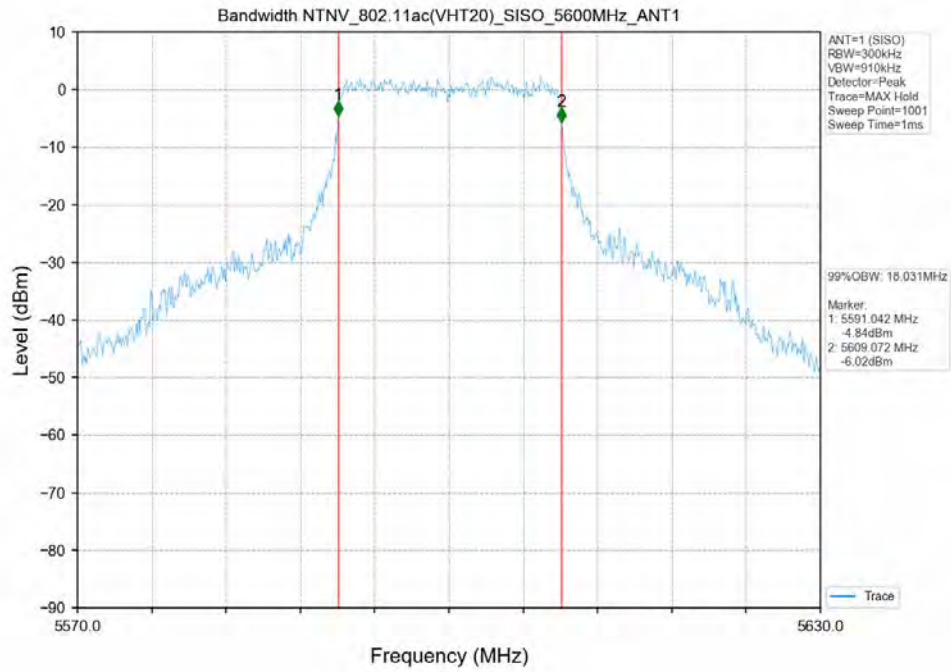


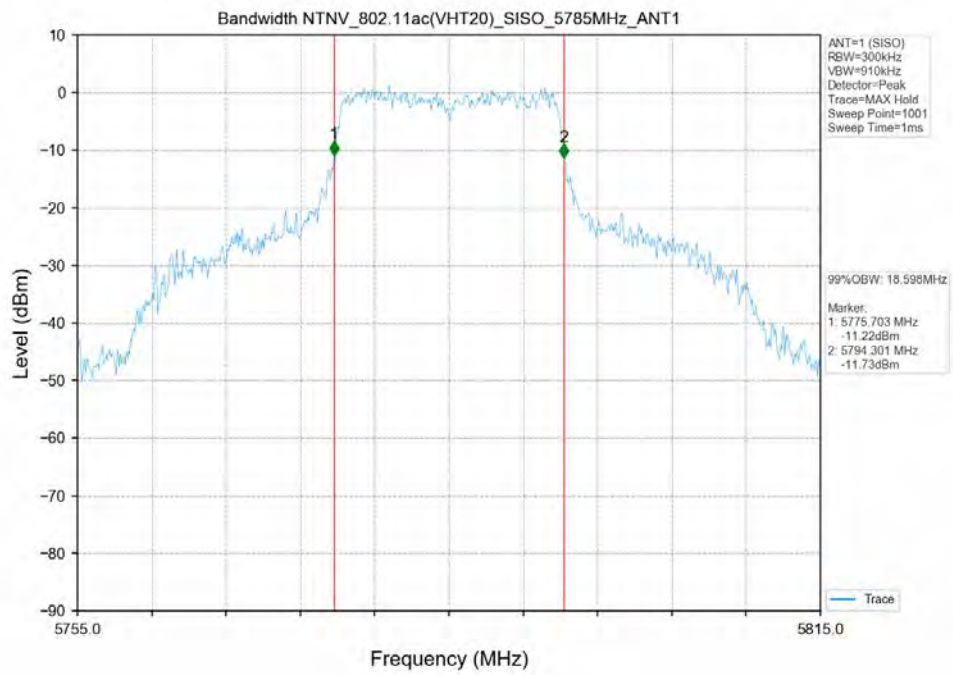
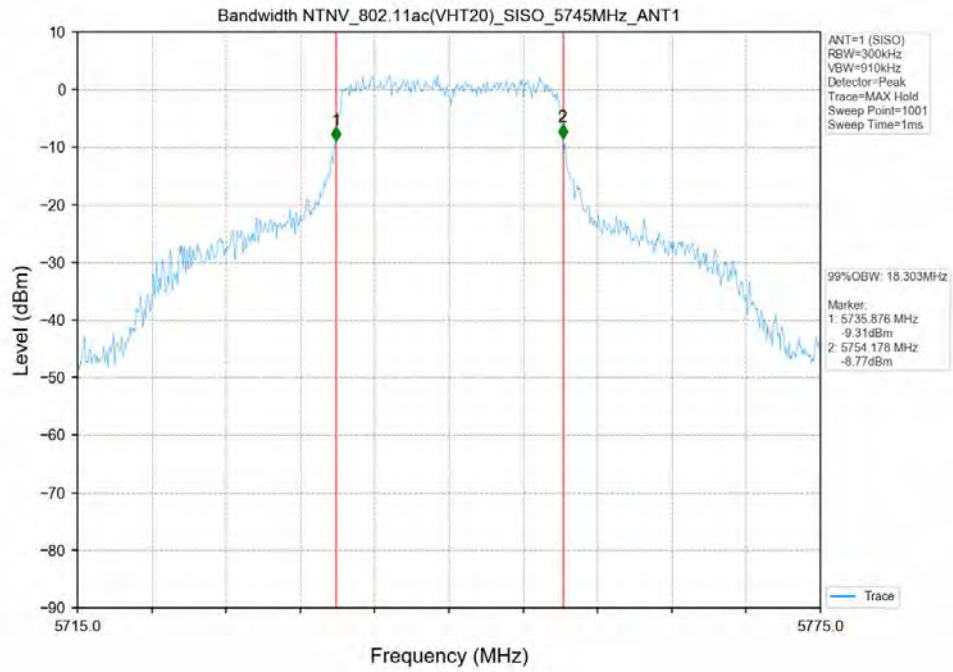


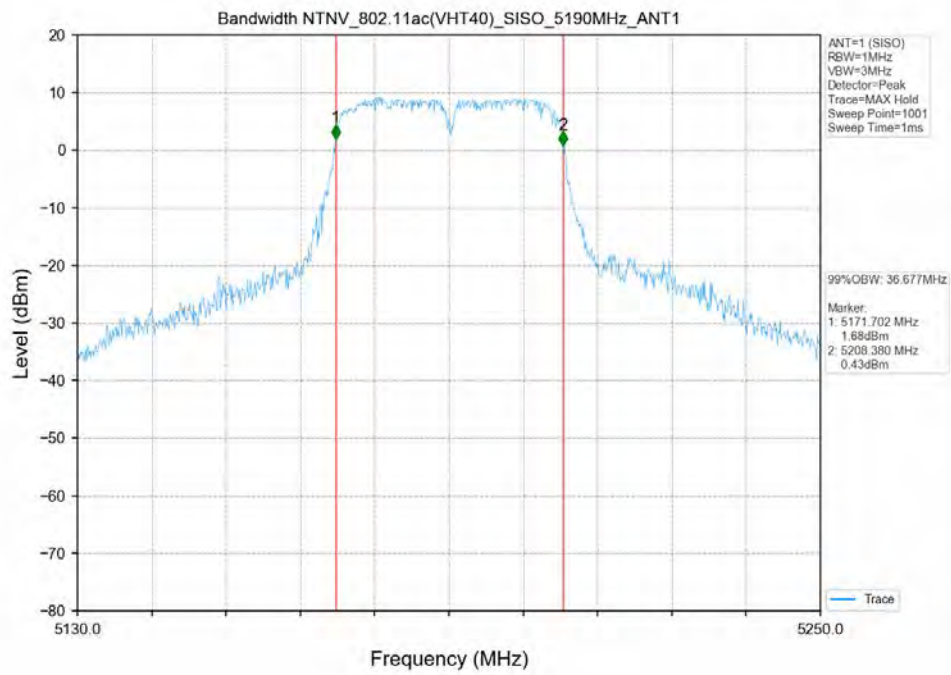
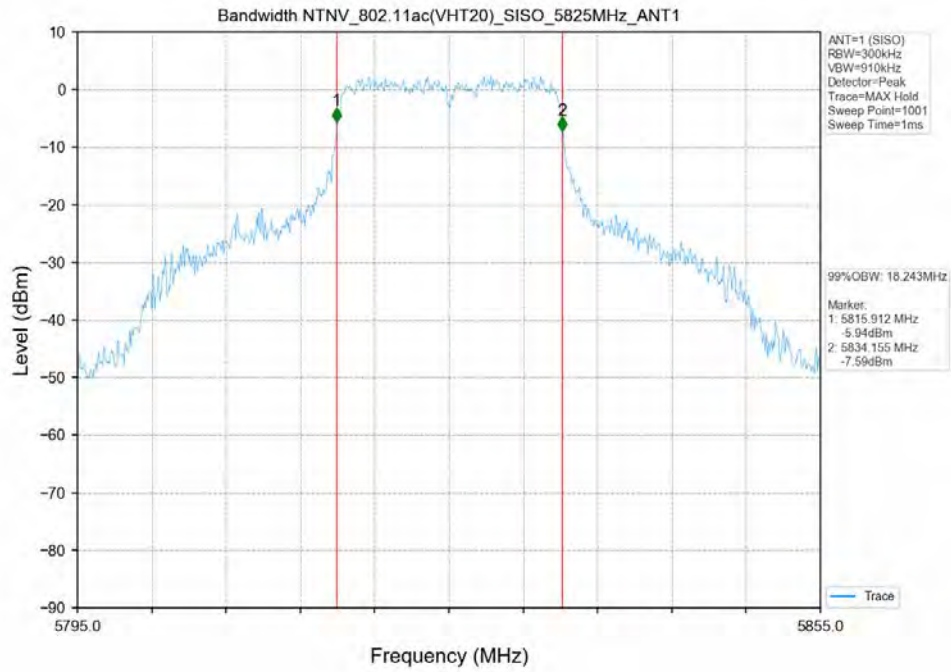


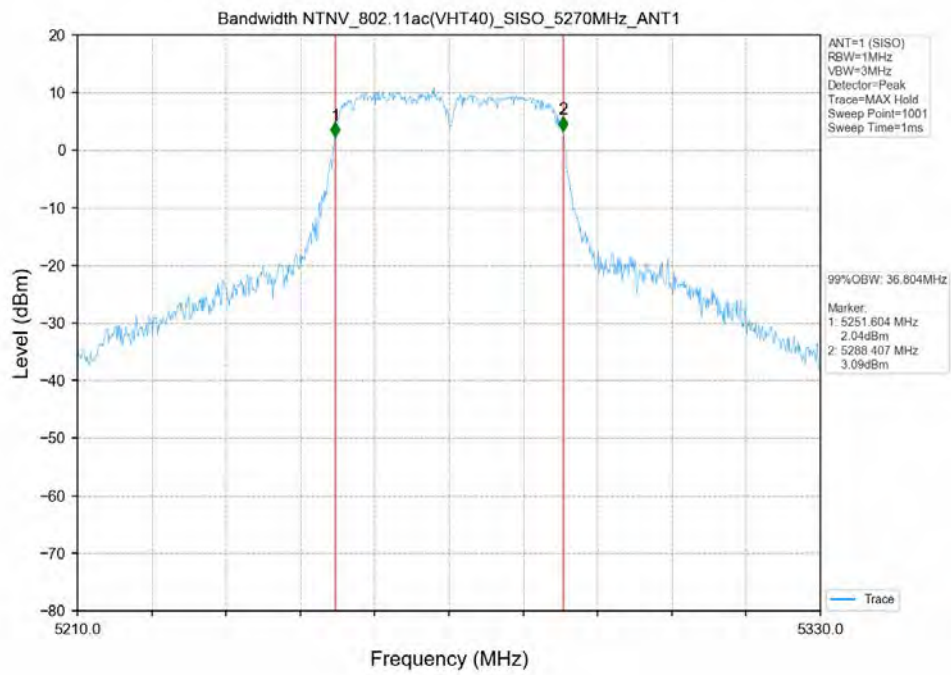
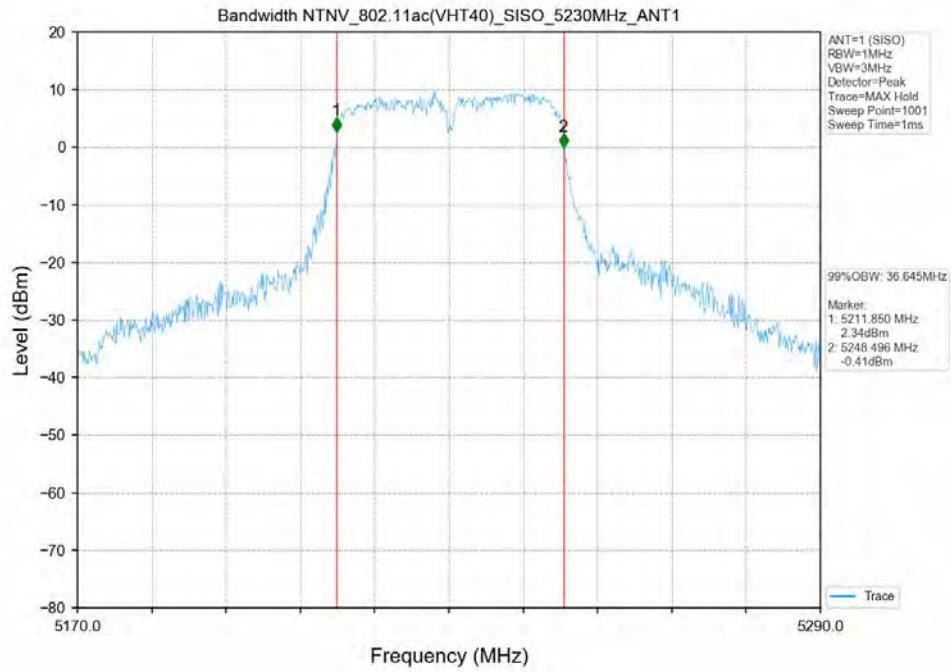


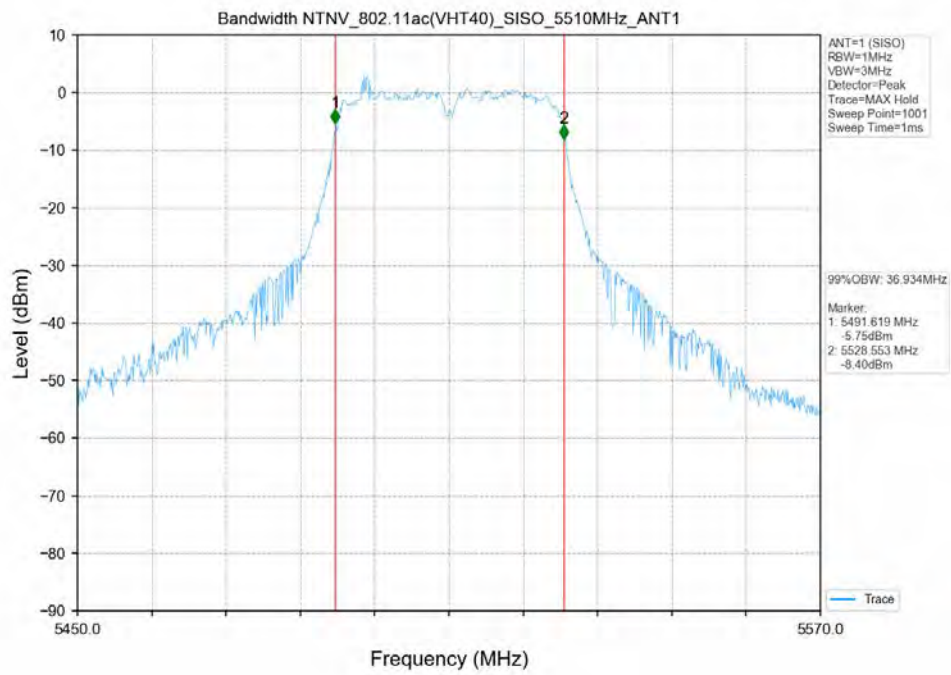
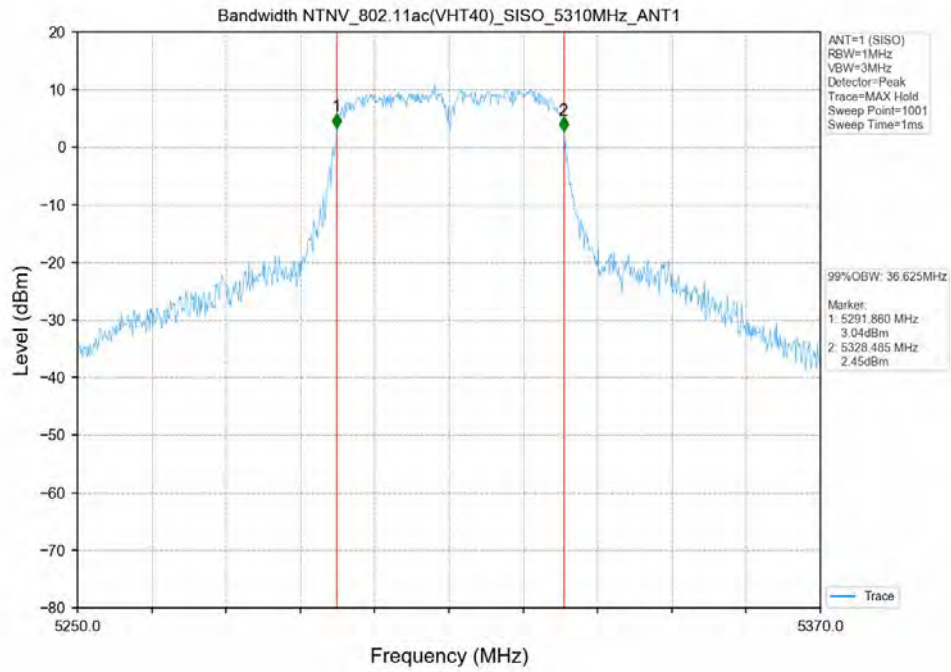


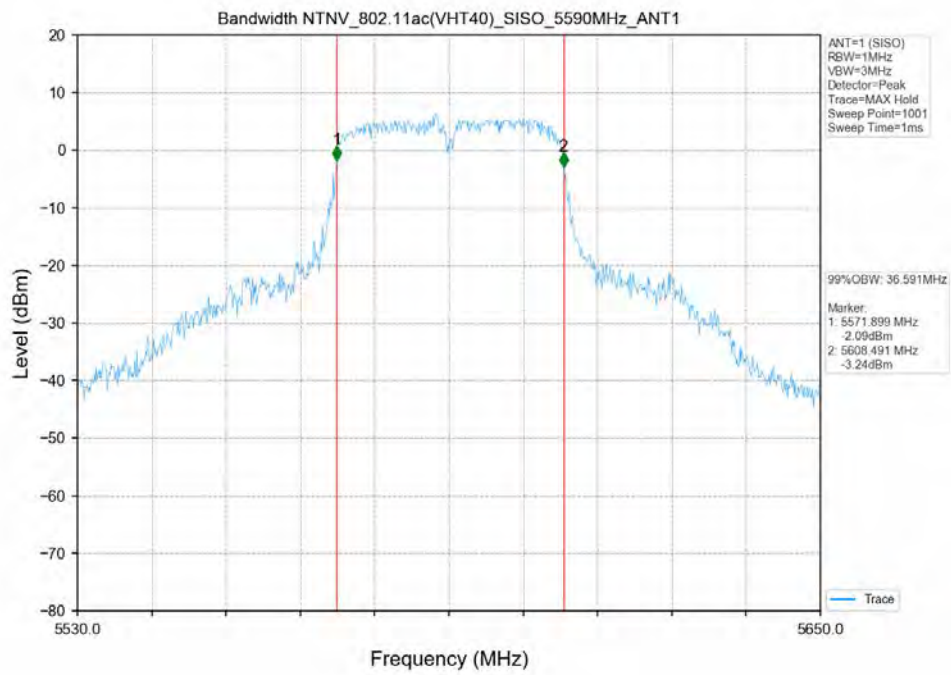
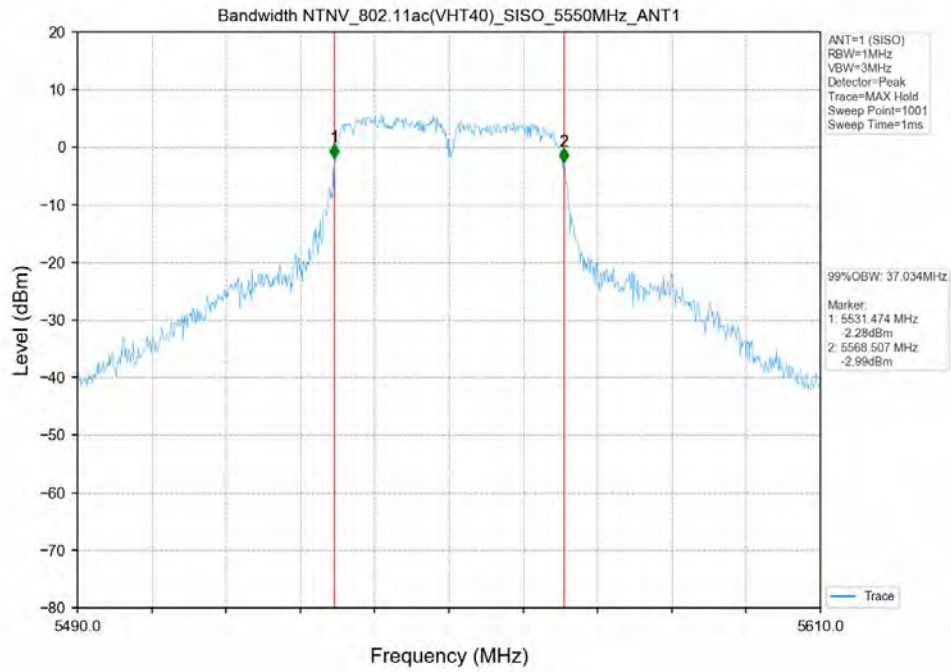


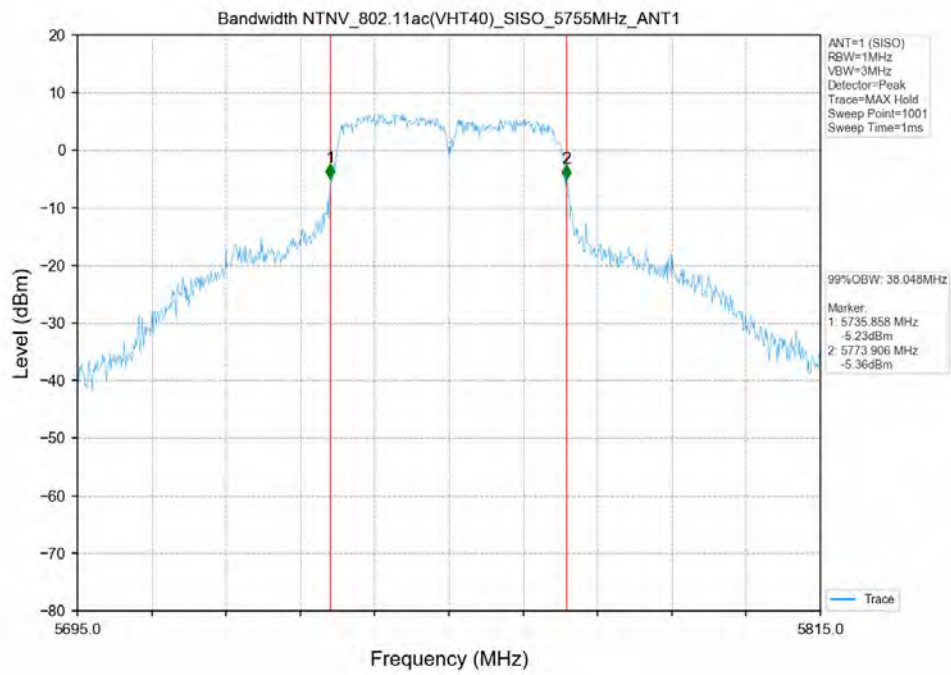
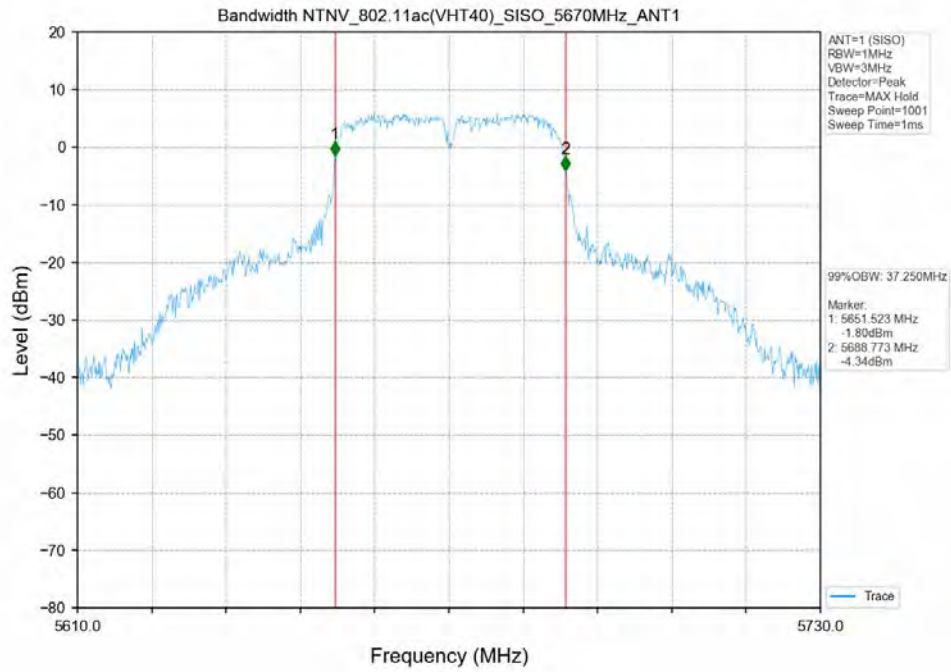


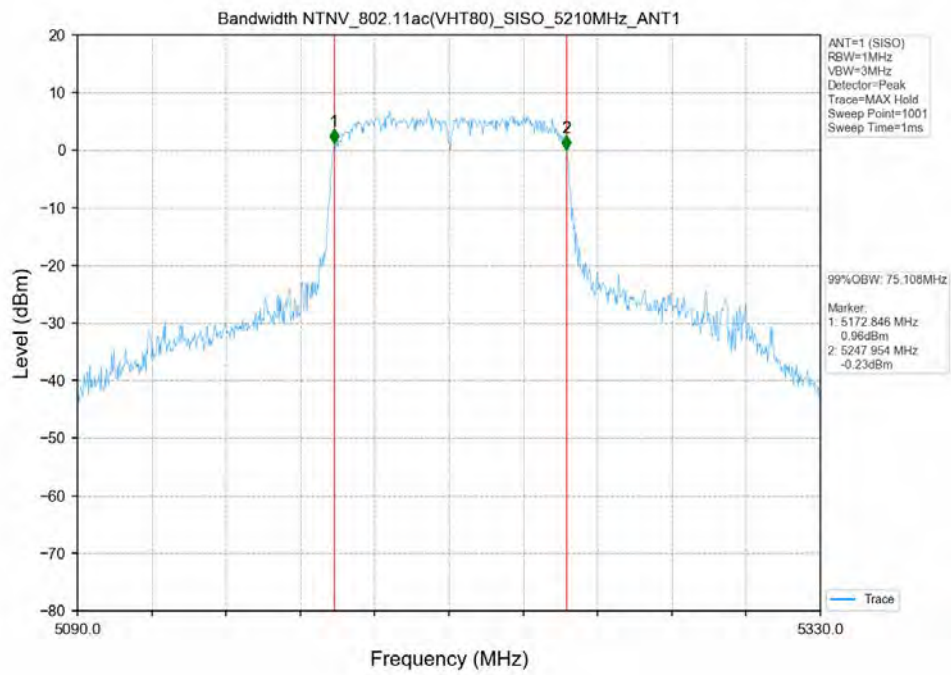
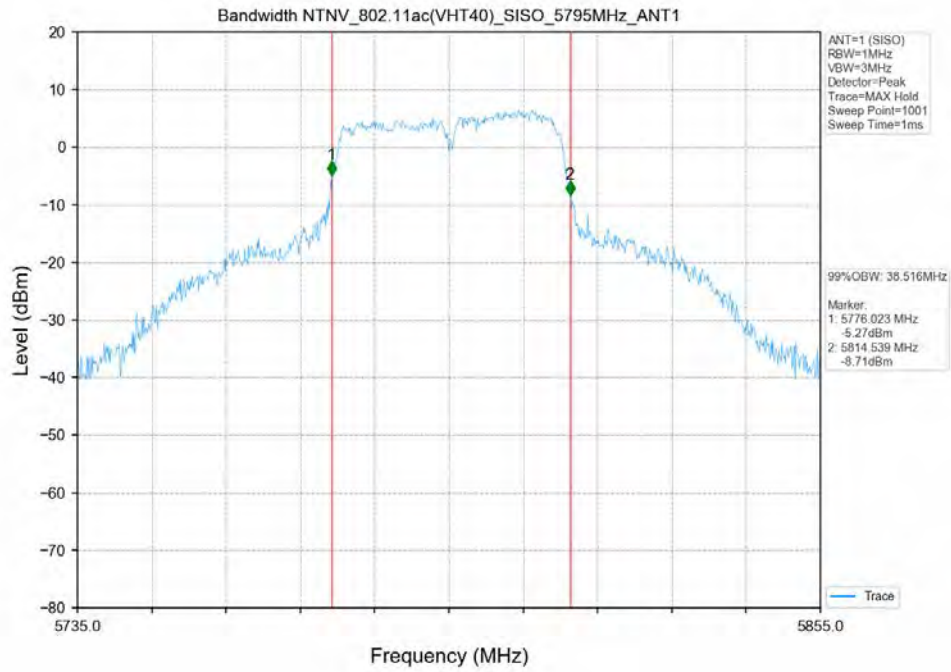


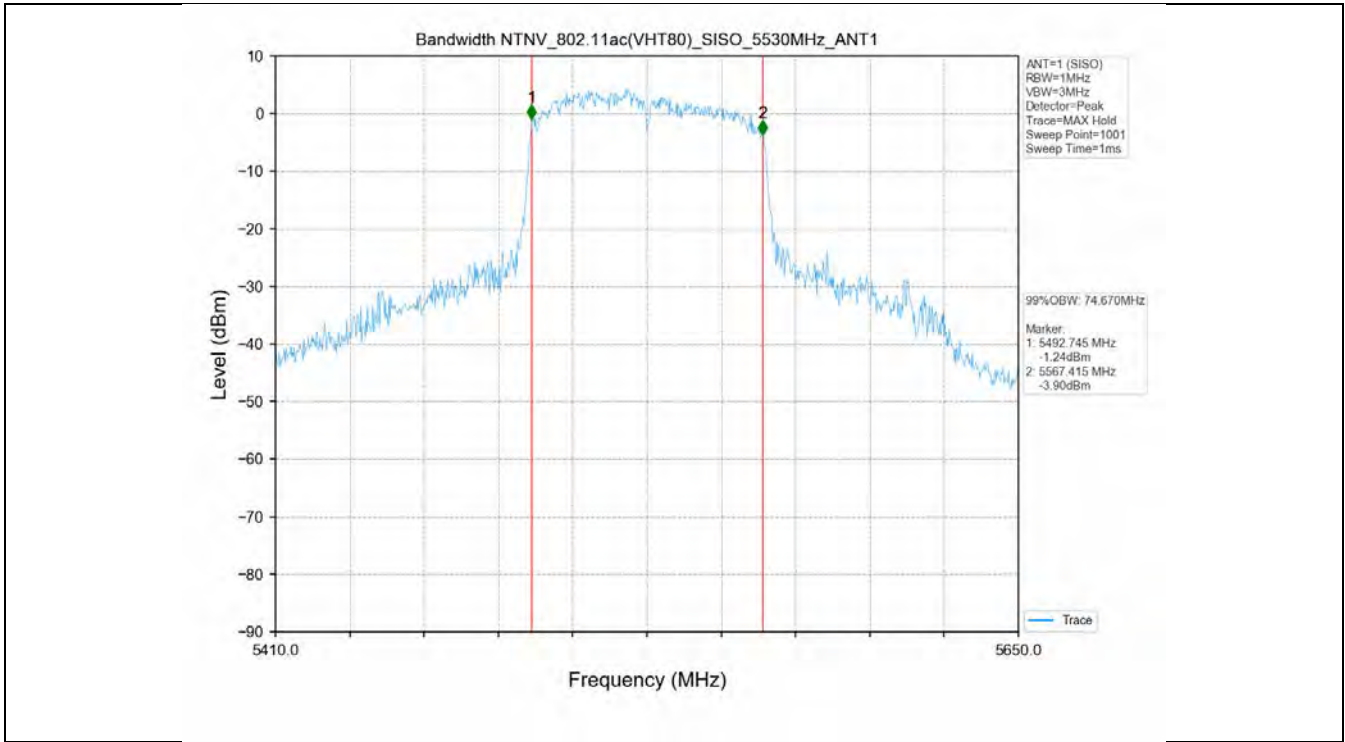
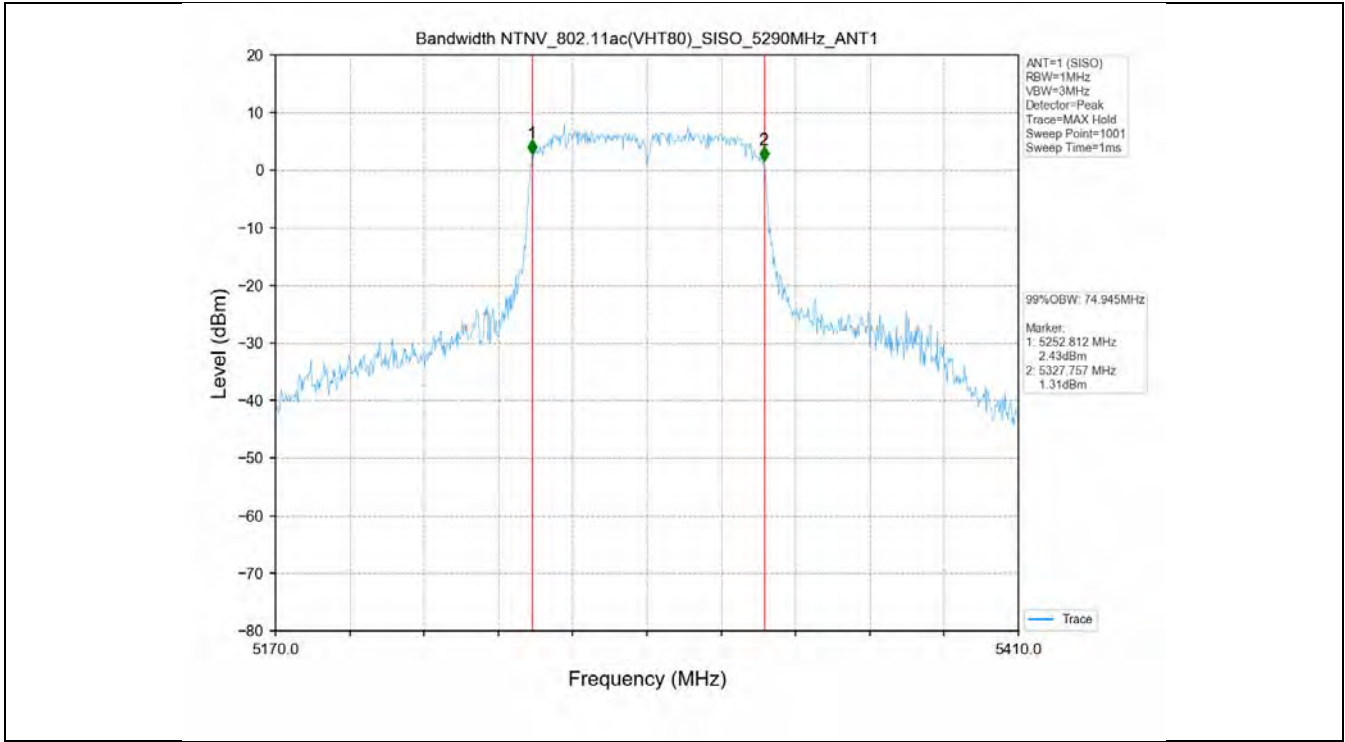


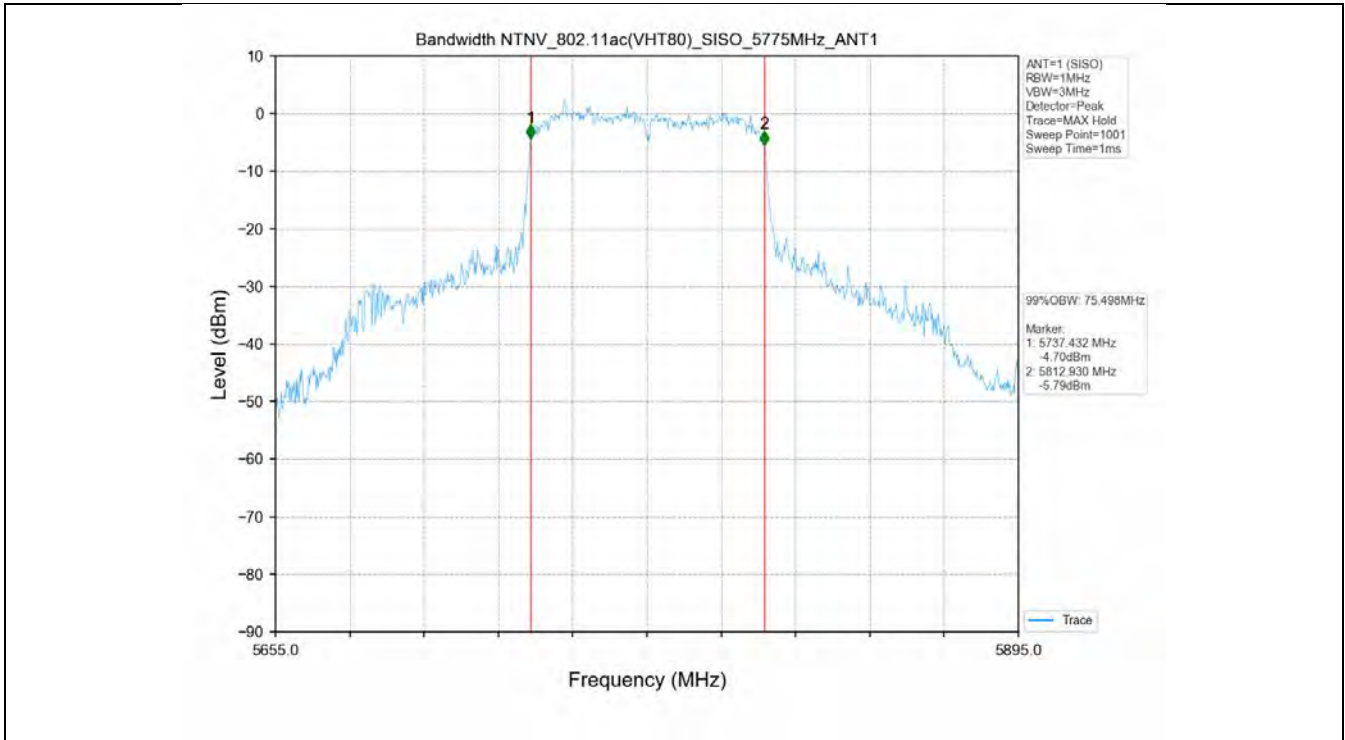
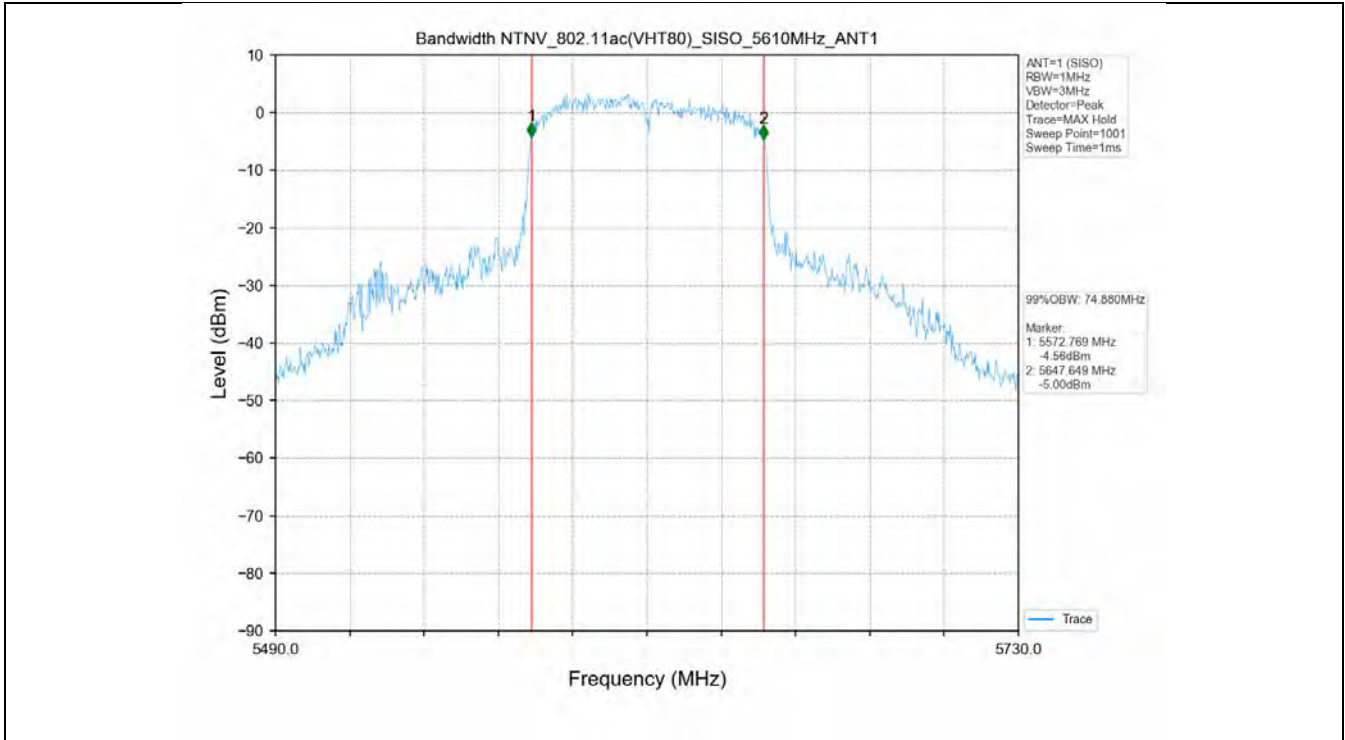












3. Maximum Conducted Output Power

3.1 Test Result