

Appendix B for SHEM200700566002

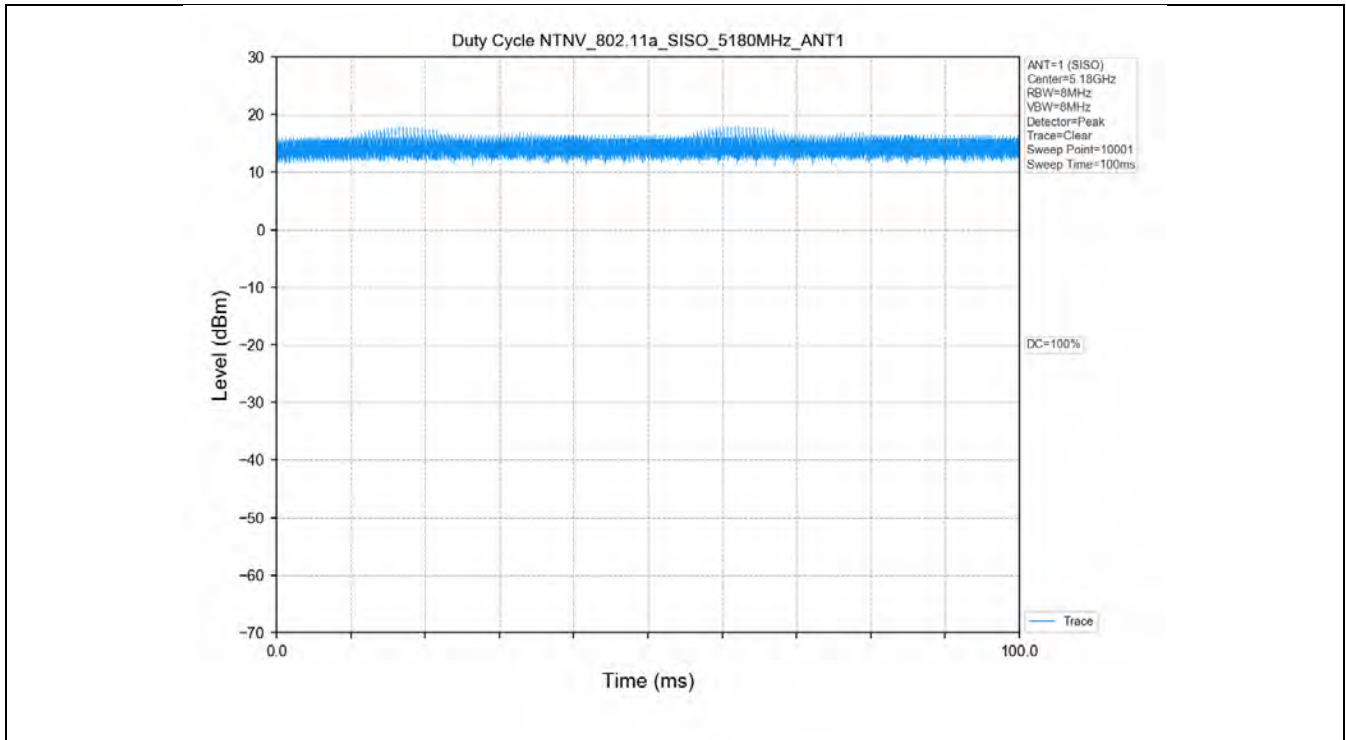
1. Duty Cycle

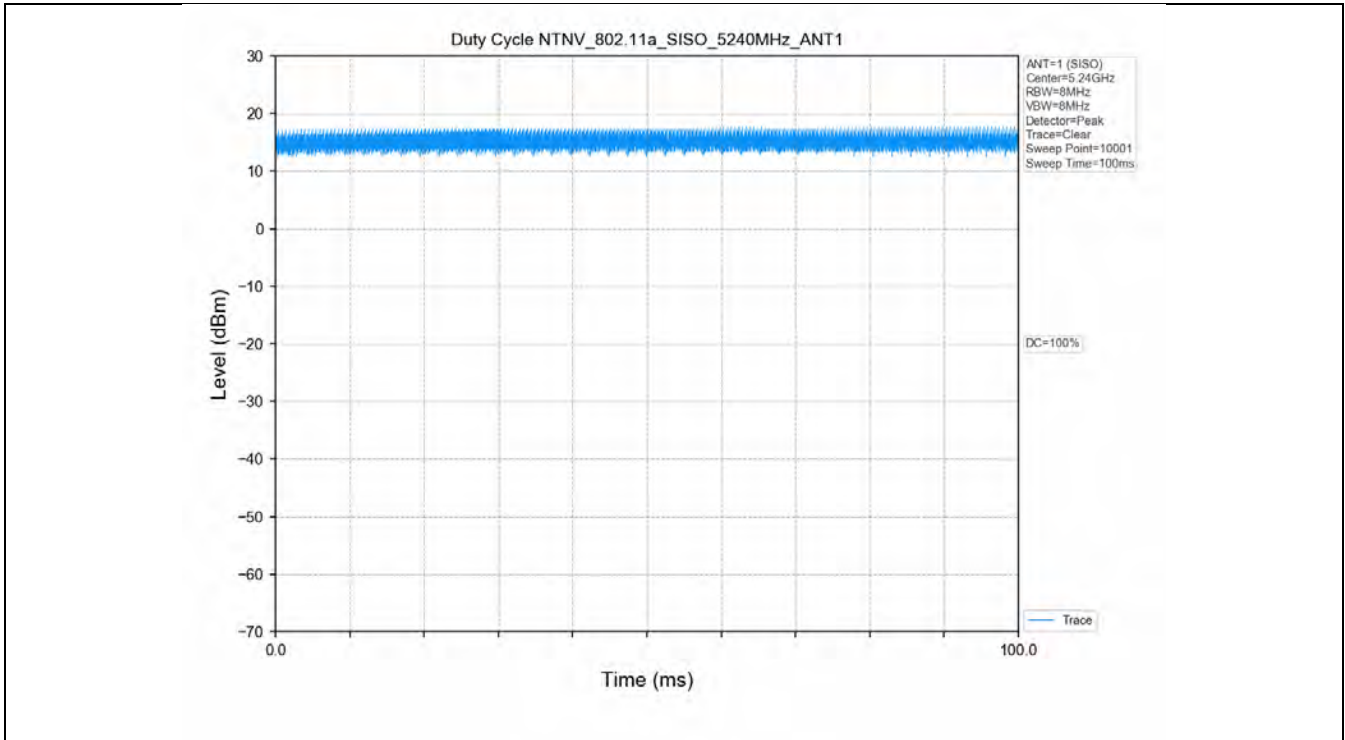
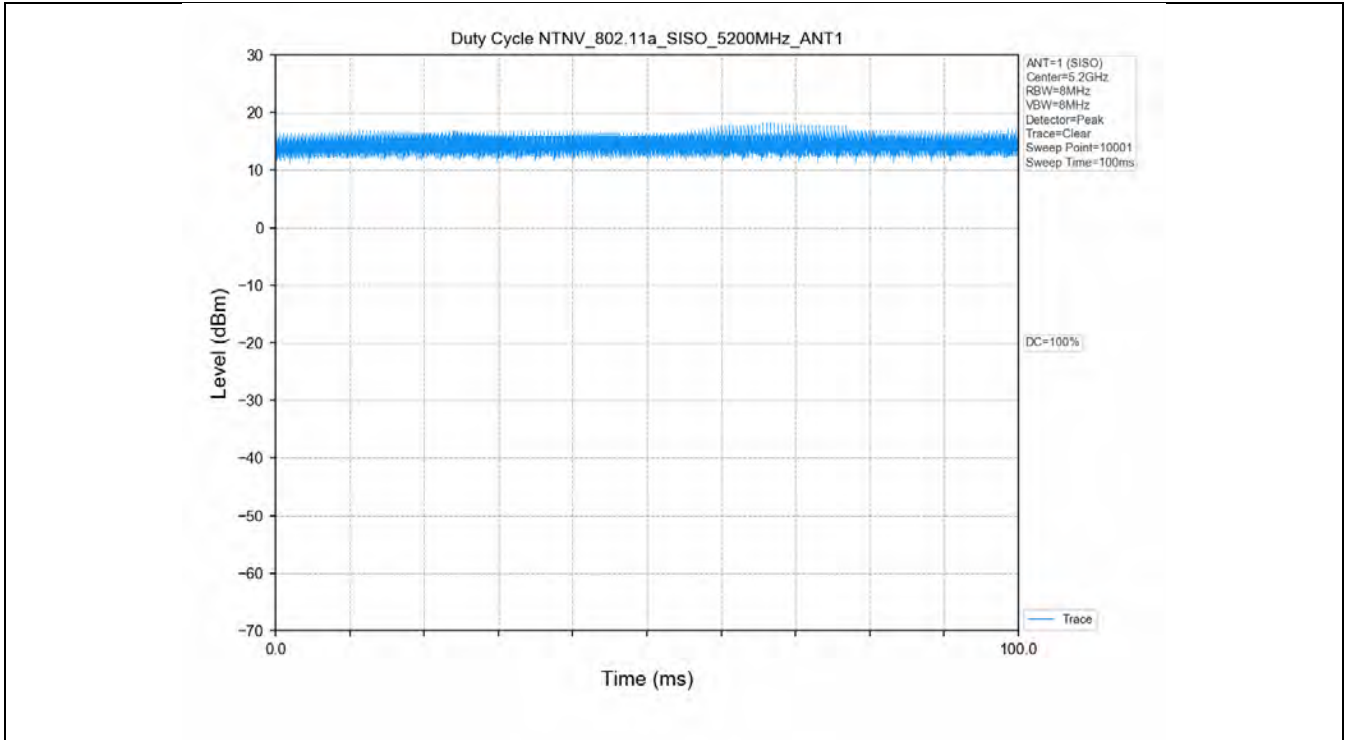
1.1 Test Result

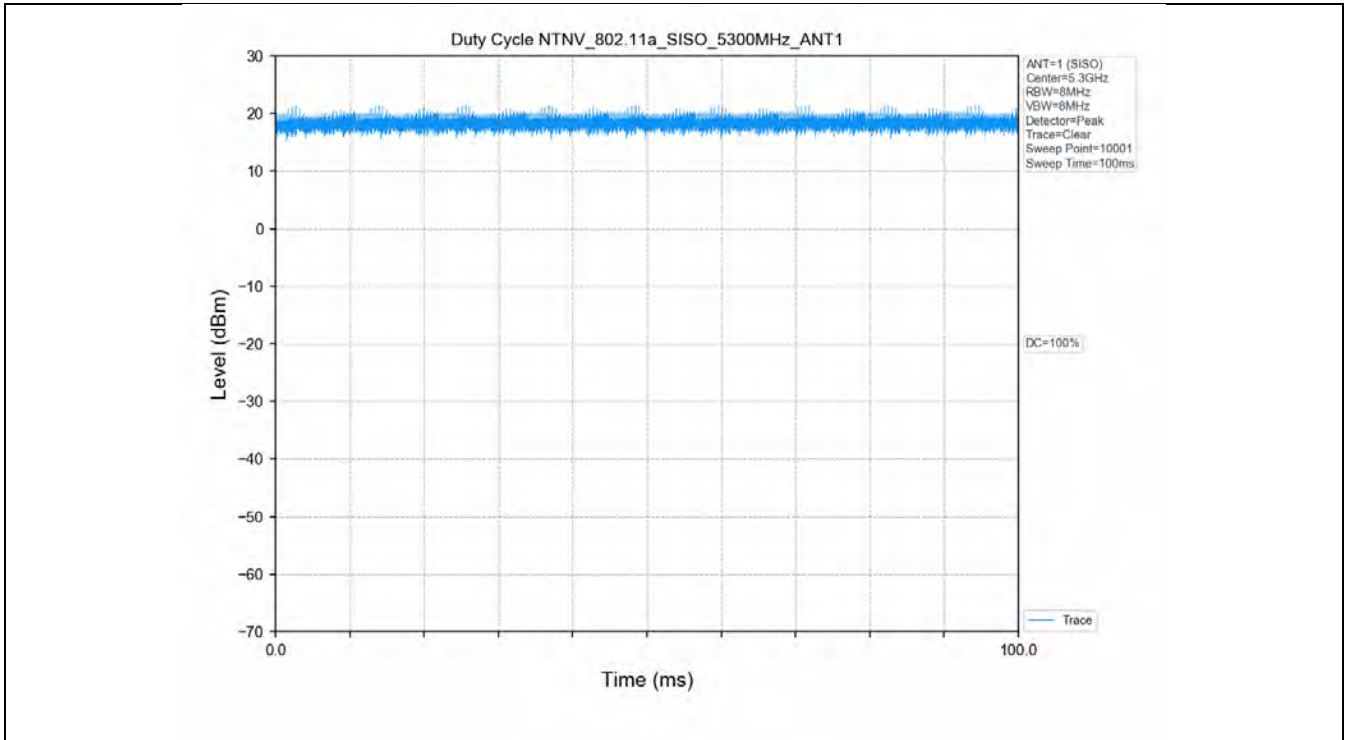
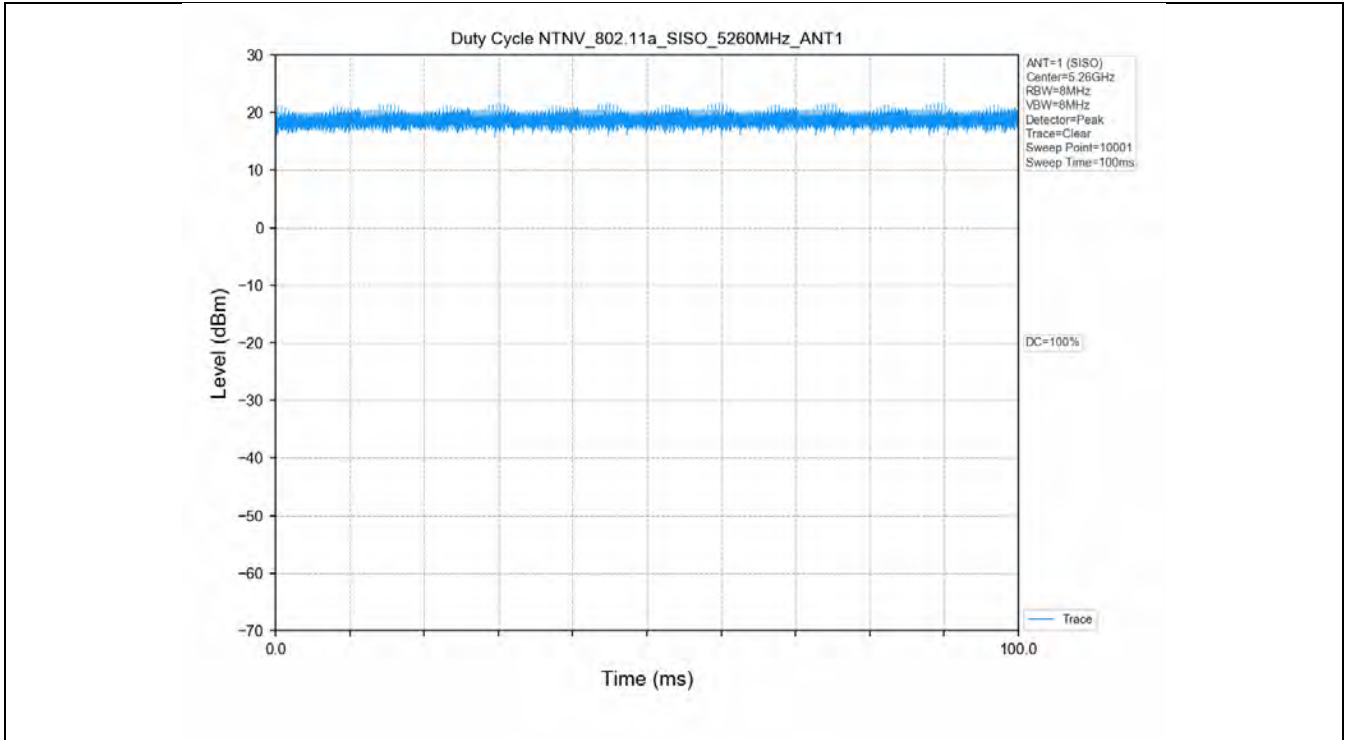
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	100	100	100	0
	5200	SISO	1	100	100	100	0
	5240	SISO	1	100	100	100	0
	5260	SISO	1	100	100	100	0
	5300	SISO	1	100	100	100	0
	5320	SISO	1	100	100	100	0
	5500	SISO	1	100	100	100	0
	5600	SISO	1	100	100	100	0
	5700	SISO	1	100	100	100	0
	5745	SISO	1	1.36	1.614	84.26	0.74
	5785	SISO	1	1.36	1.613	84.31	0.74
5825	SISO	1	1.36	1.614	84.26	0.74	
802.11n(HT20)	5180	MIMO	1	100	100	100	0
	5200	MIMO	1	100	100	100	0
	5240	MIMO	1	100	100	100	0
	5260	MIMO	1	100	100	100	0
	5300	MIMO	1	100	100	100	0
	5320	MIMO	1	100	100	100	0
	5500	MIMO	1	100	100	100	0
	5600	MIMO	1	100	100	100	0
	5700	MIMO	1	100	100	100	0
	5745	MIMO	1	1.271	1.525	83.34	0.79
	5785	MIMO	1	1.272	1.526	83.36	0.79
5825	MIMO	1	1.272	1.525	83.41	0.79	
802.11n(HT40)	5190	MIMO	1	100	100	100	0
	5230	MIMO	1	100	100	100	0
	5270	MIMO	1	100	100	100	0
	5310	MIMO	1	100	100	100	0
	5510	MIMO	1	100	100	100	0
	5590	MIMO	1	100	100	100	0
	5670	MIMO	1	100	100	100	0
	5755	MIMO	1	0.632	0.886	71.33	1.47
	5795	MIMO	1	0.632	0.885	71.41	1.46
802.11ac(VHT20)	5180	MIMO	1	100	100	100	0
	5200	MIMO	1	100	100	100	0
	5240	MIMO	1	100	100	100	0
	5260	MIMO	1	100	100	100	0
	5300	MIMO	1	100	100	100	0
	5320	MIMO	1	100	100	100	0
	5500	MIMO	1	100	100	100	0
	5600	MIMO	1	100	100	100	0
	5700	MIMO	1	100	100	100	0
	5745	MIMO	1	1.275	1.529	83.39	0.79
	5785	MIMO	1	1.276	1.53	83.4	0.79
5825	MIMO	1	1.276	1.53	83.4	0.79	

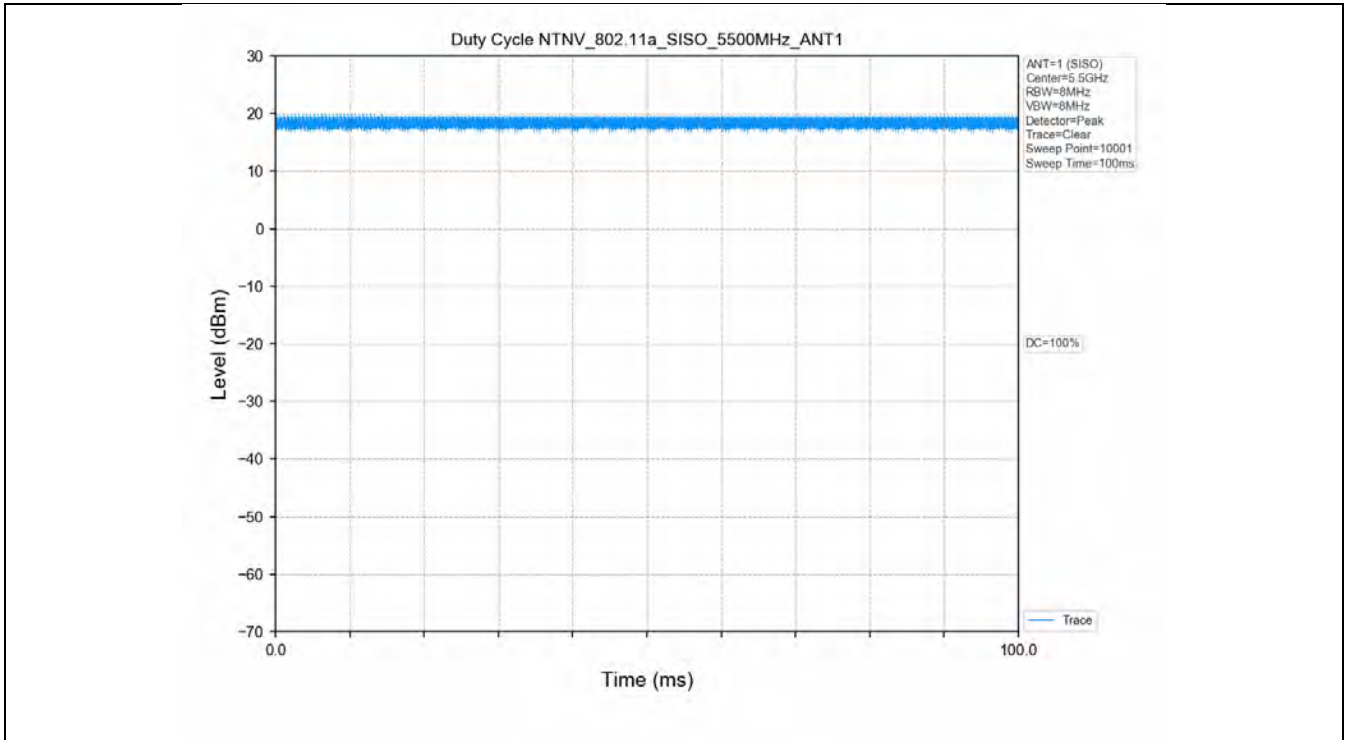
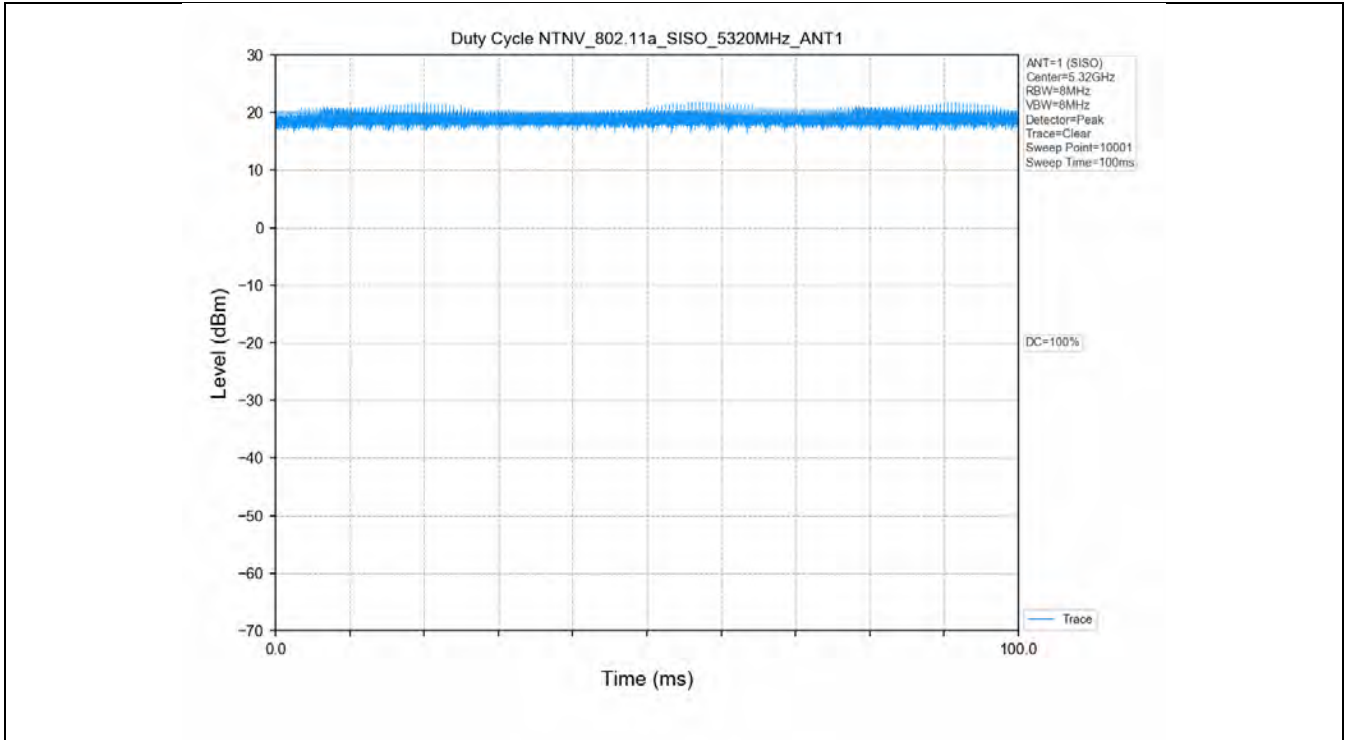
802.11ac(VHT40)	5190	MIMO	1	100	100	100	0
	5230	MIMO	1	100	100	100	0
	5270	MIMO	1	100	100	100	0
	5310	MIMO	1	100	100	100	0
	5510	MIMO	1	100	100	100	0
	5590	MIMO	1	100	100	100	0
	5670	MIMO	1	100	100	100	0
	5755	MIMO	1	0.636	0.889	71.54	1.45
5795	MIMO	1	0.636	0.89	71.46	1.46	
802.11ac(VHT80)	5210	MIMO	1	100	100	100	0
	5290	MIMO	1	100	100	100	0
	5530	MIMO	1	100	100	100	0
	5610	MIMO	1	100	100	100	0
	5775	MIMO	1	0.318	0.569	55.89	2.53

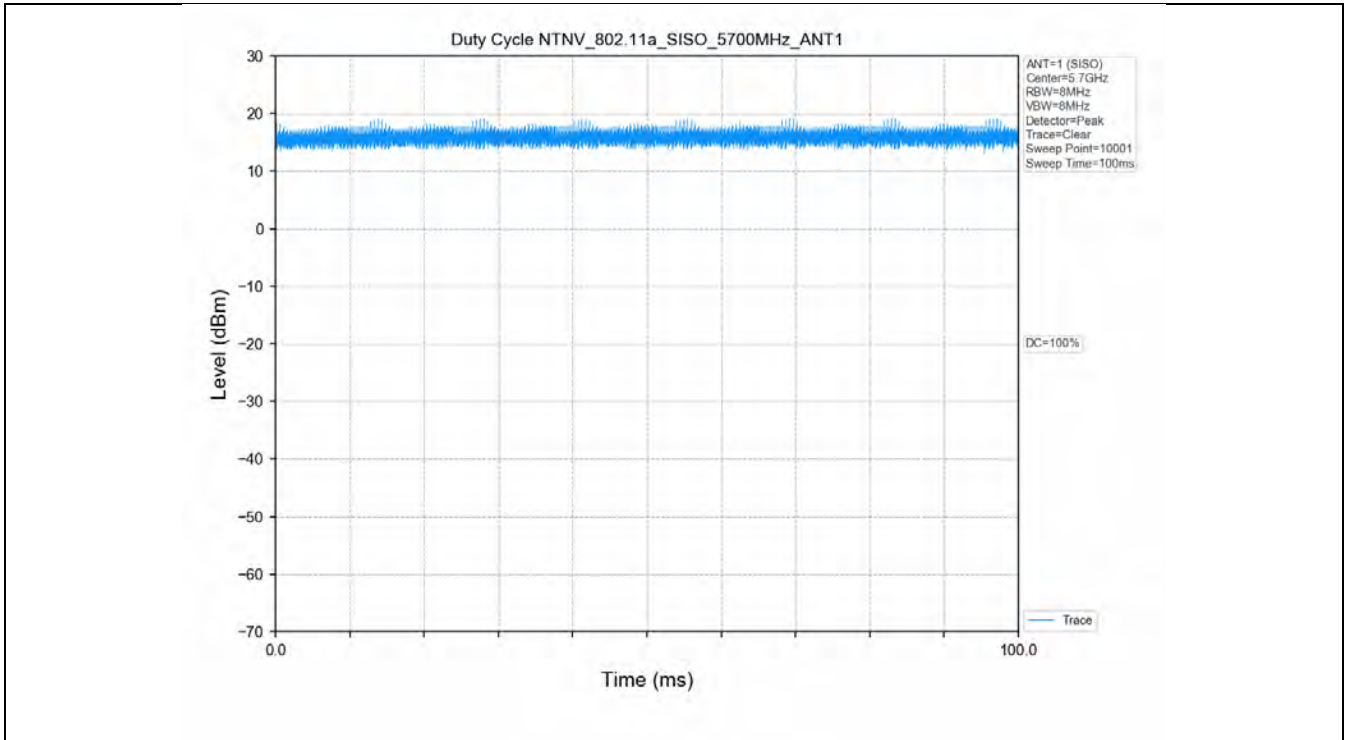
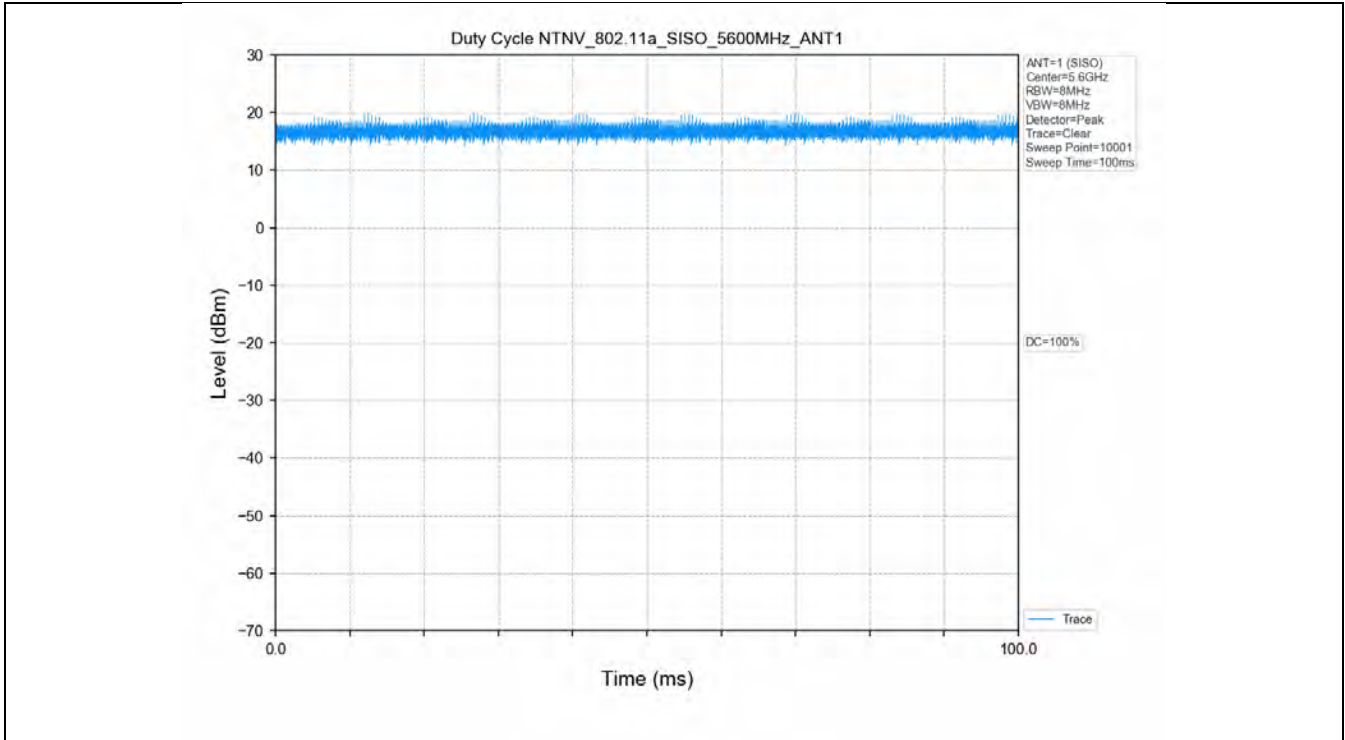
1.2 Test Graph

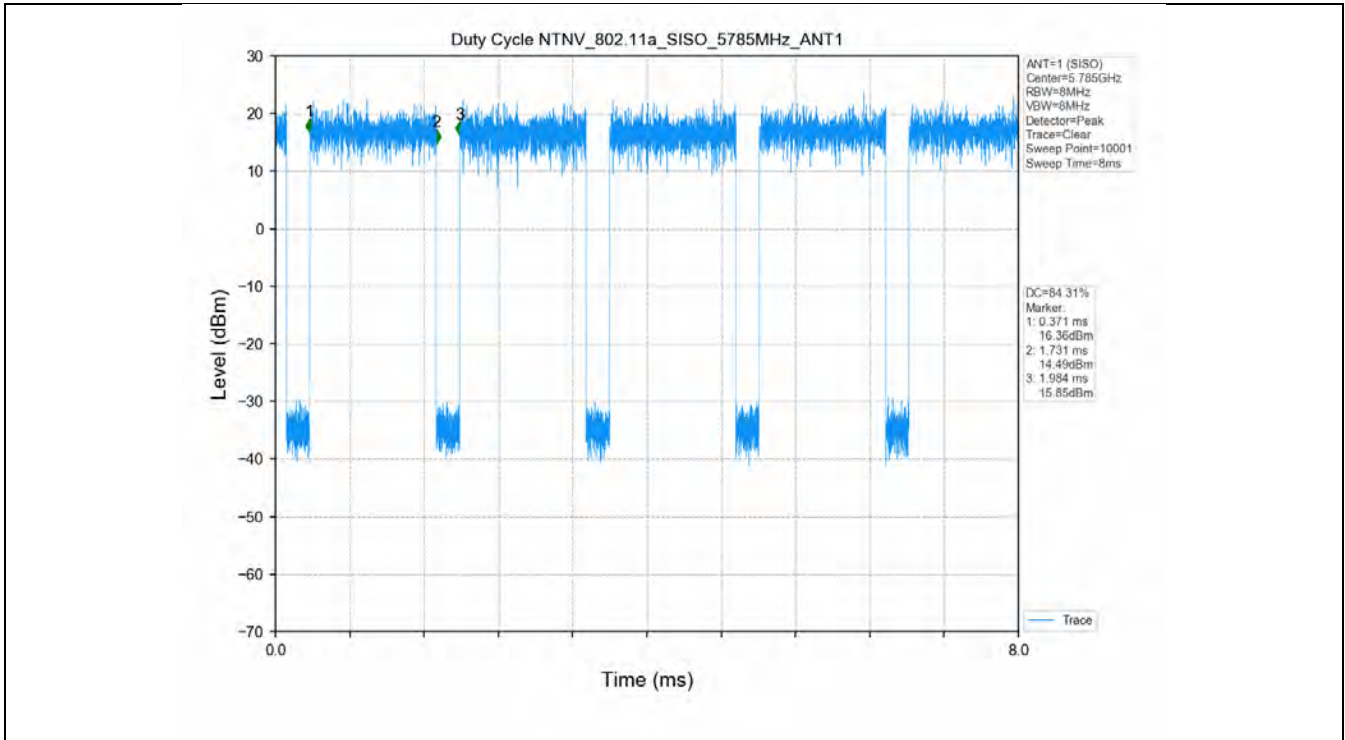
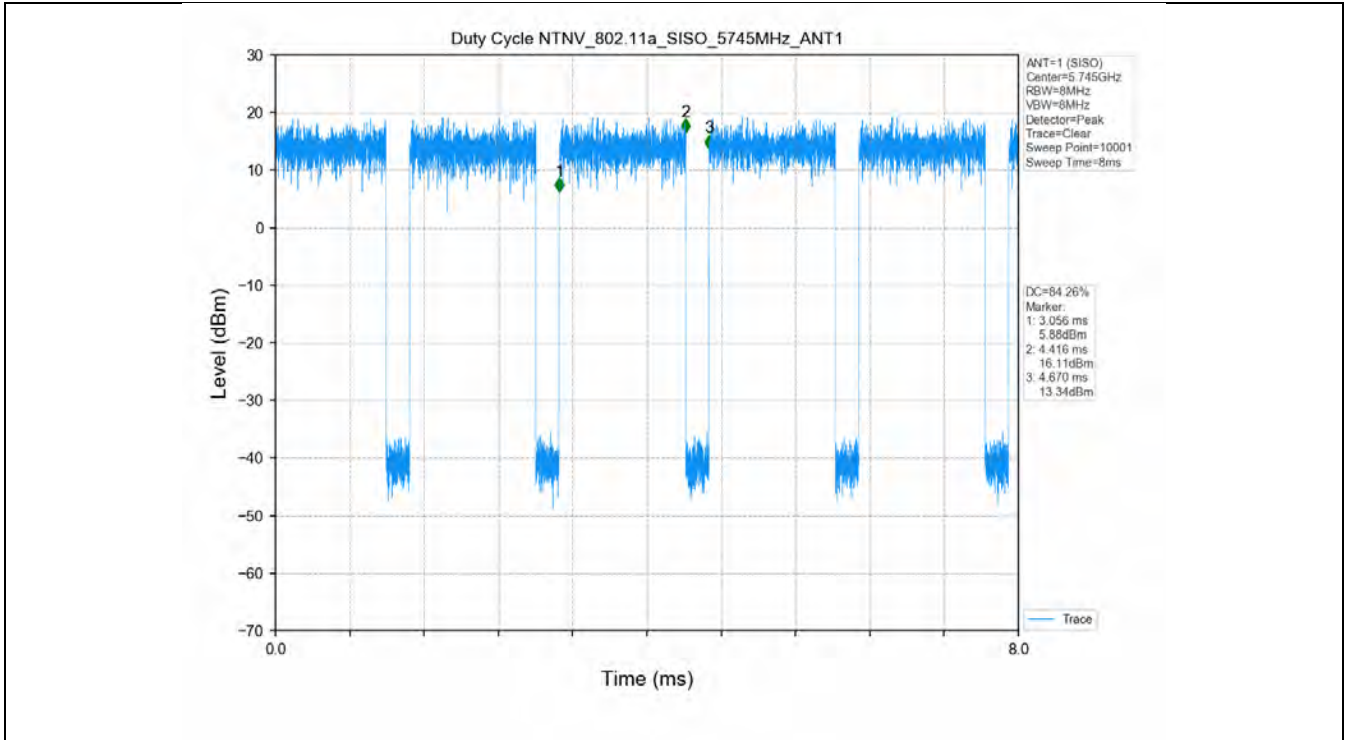


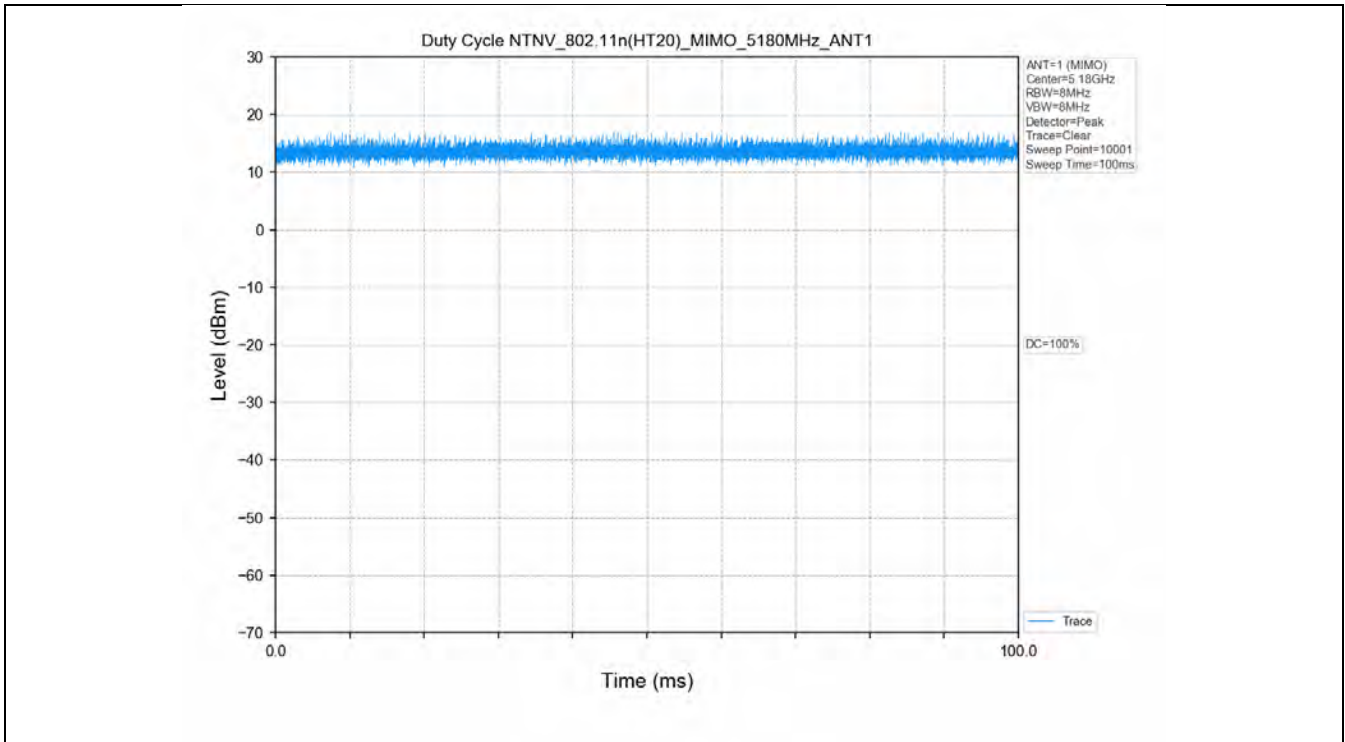
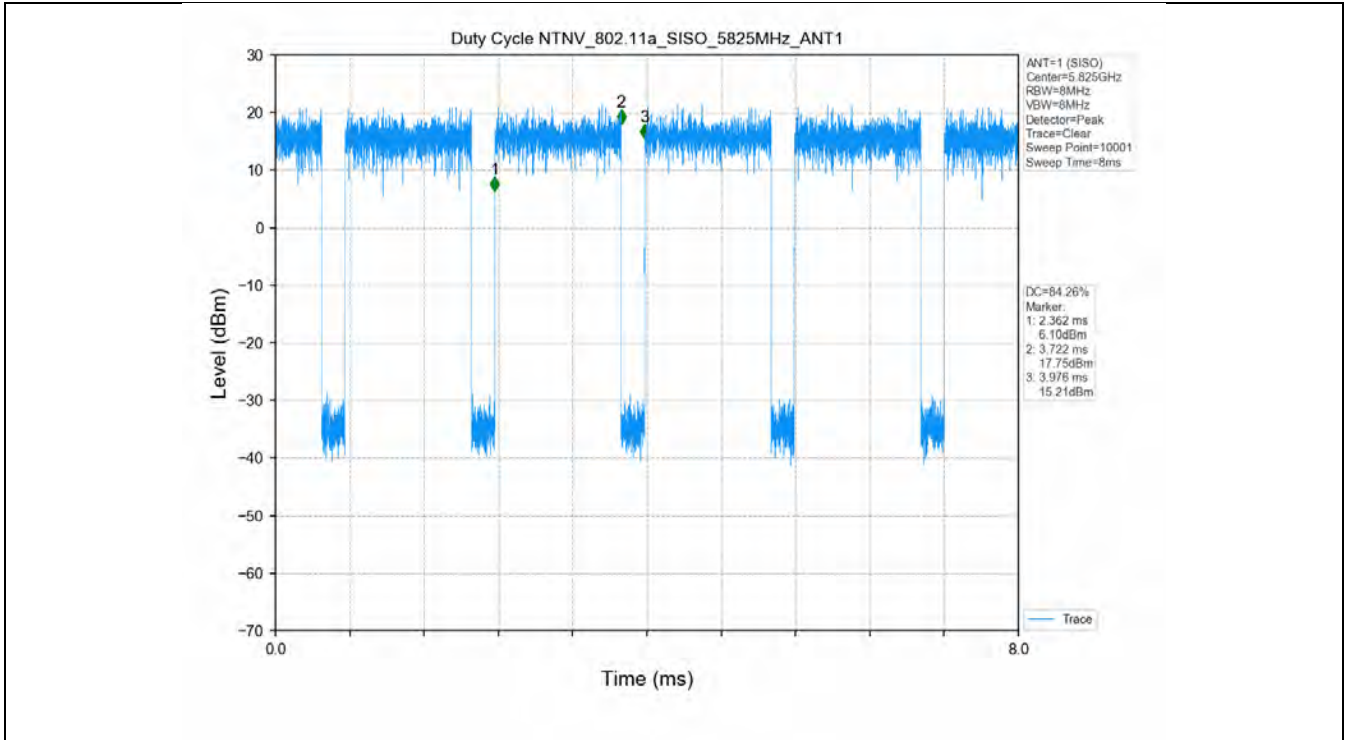


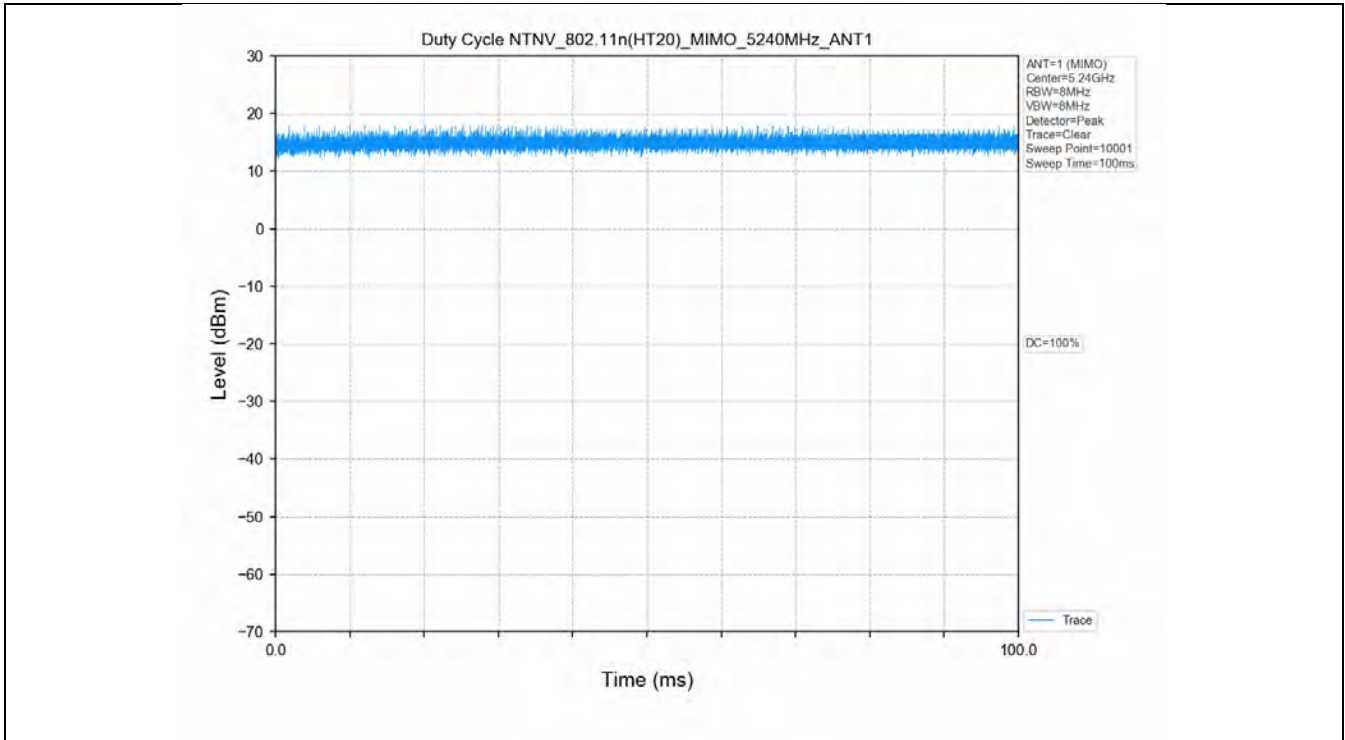
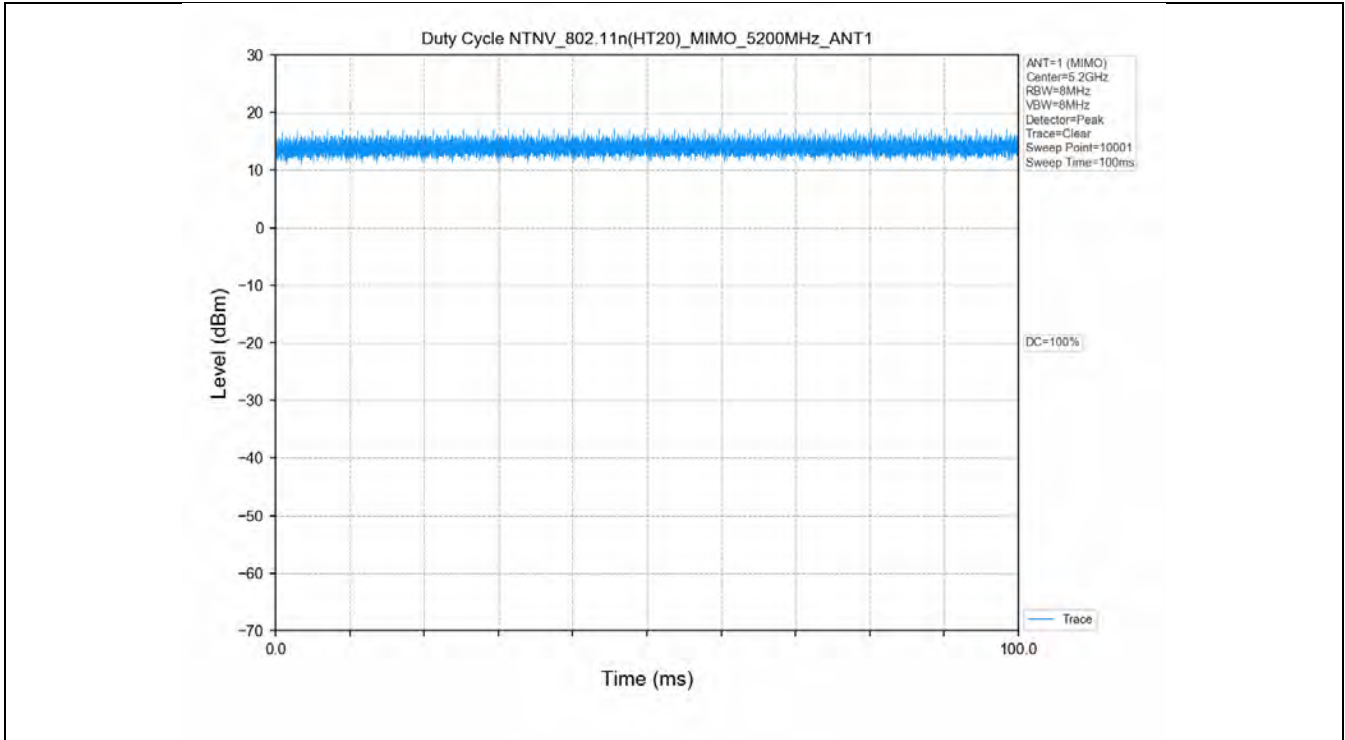


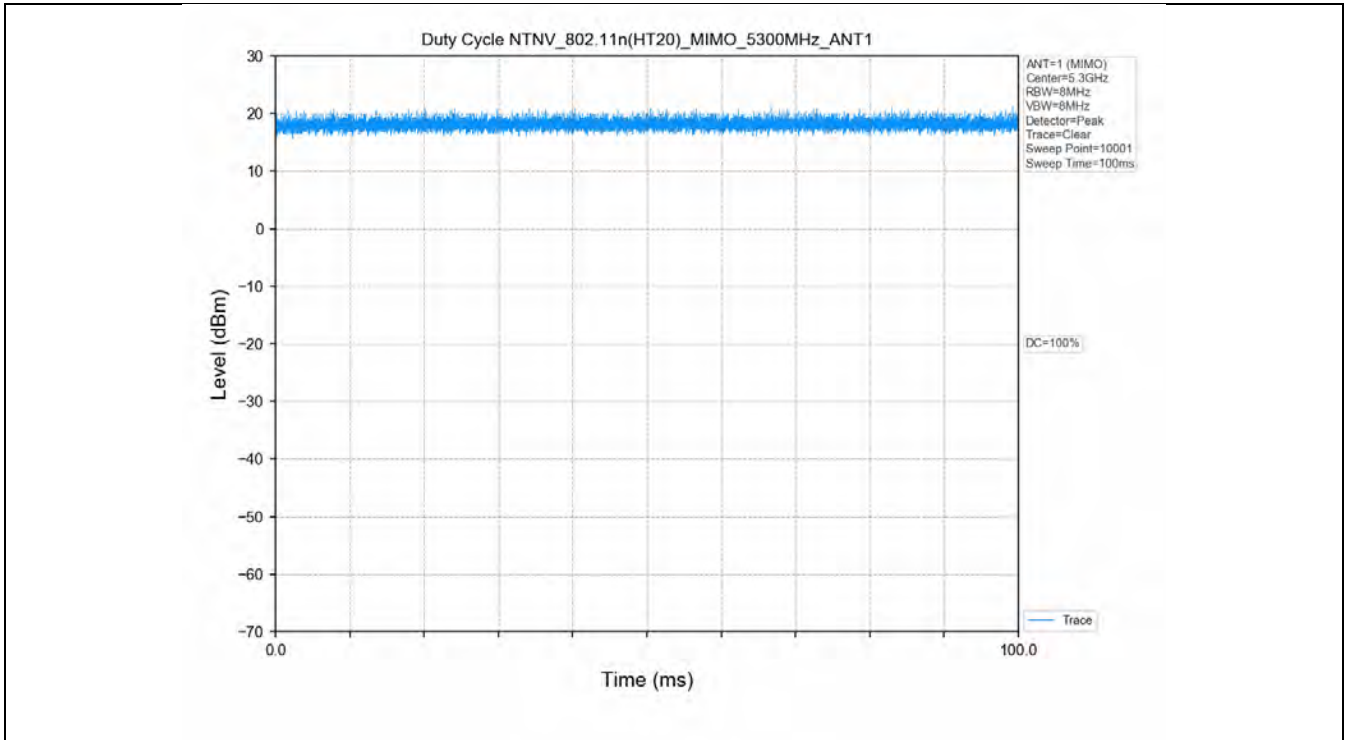
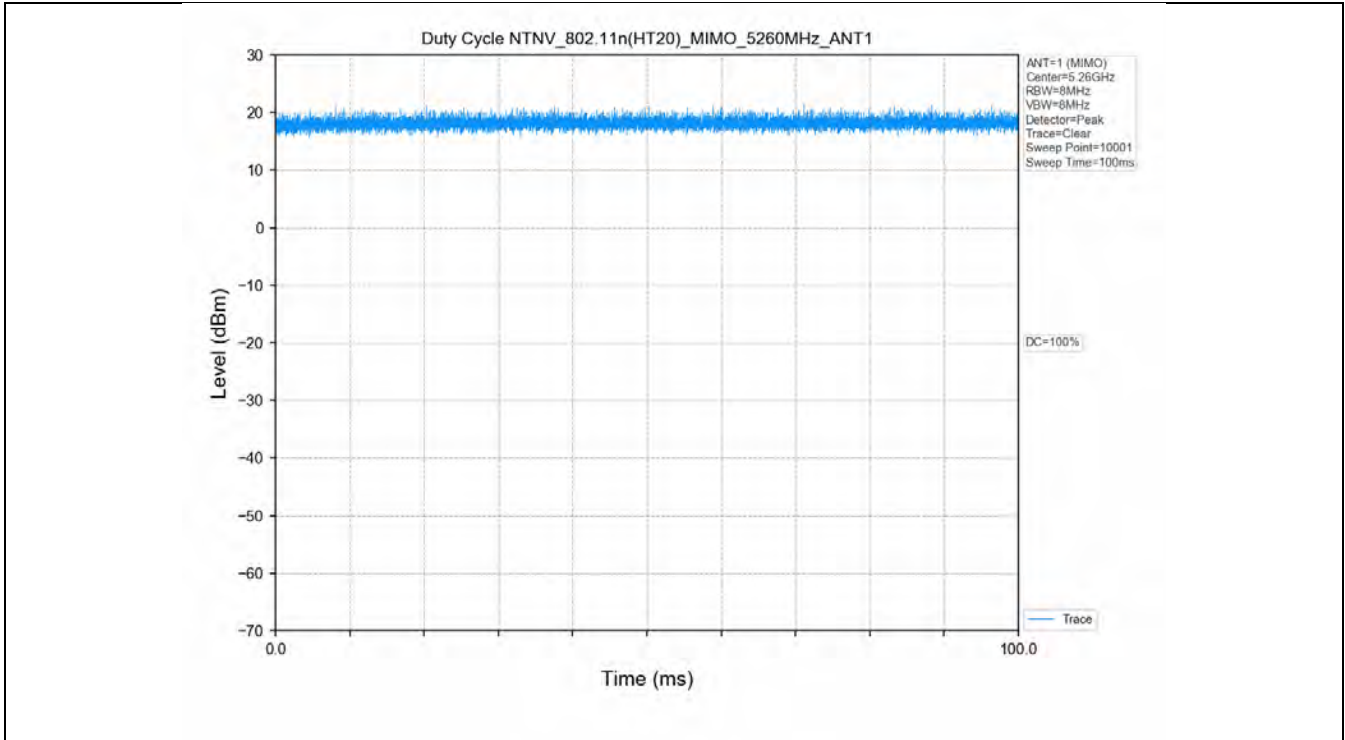


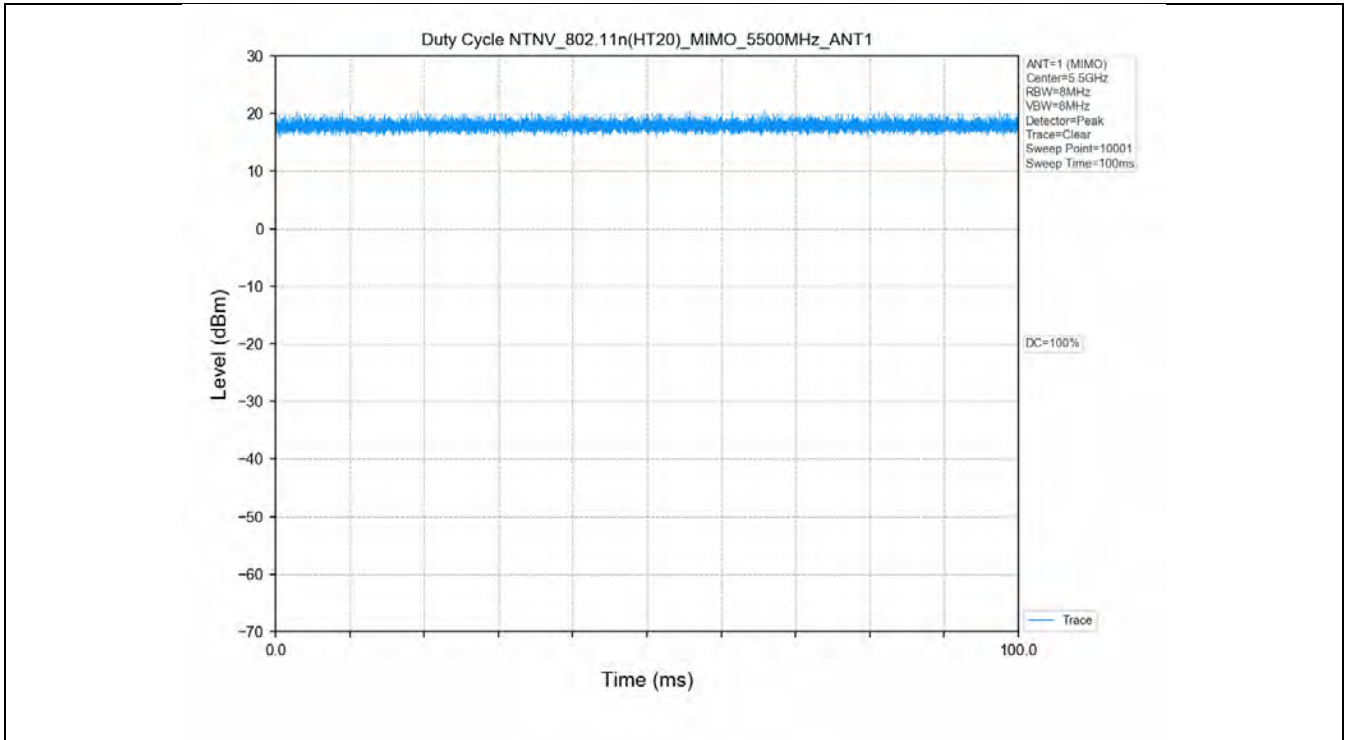
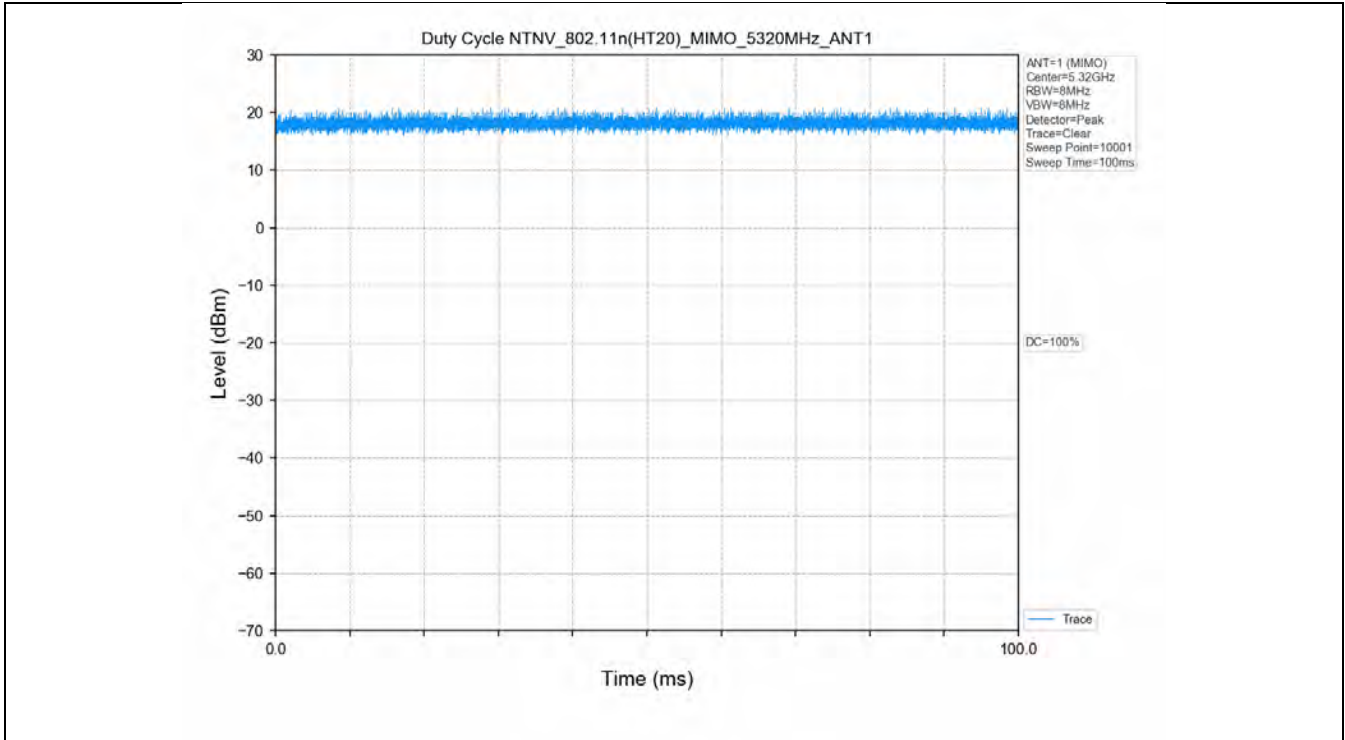


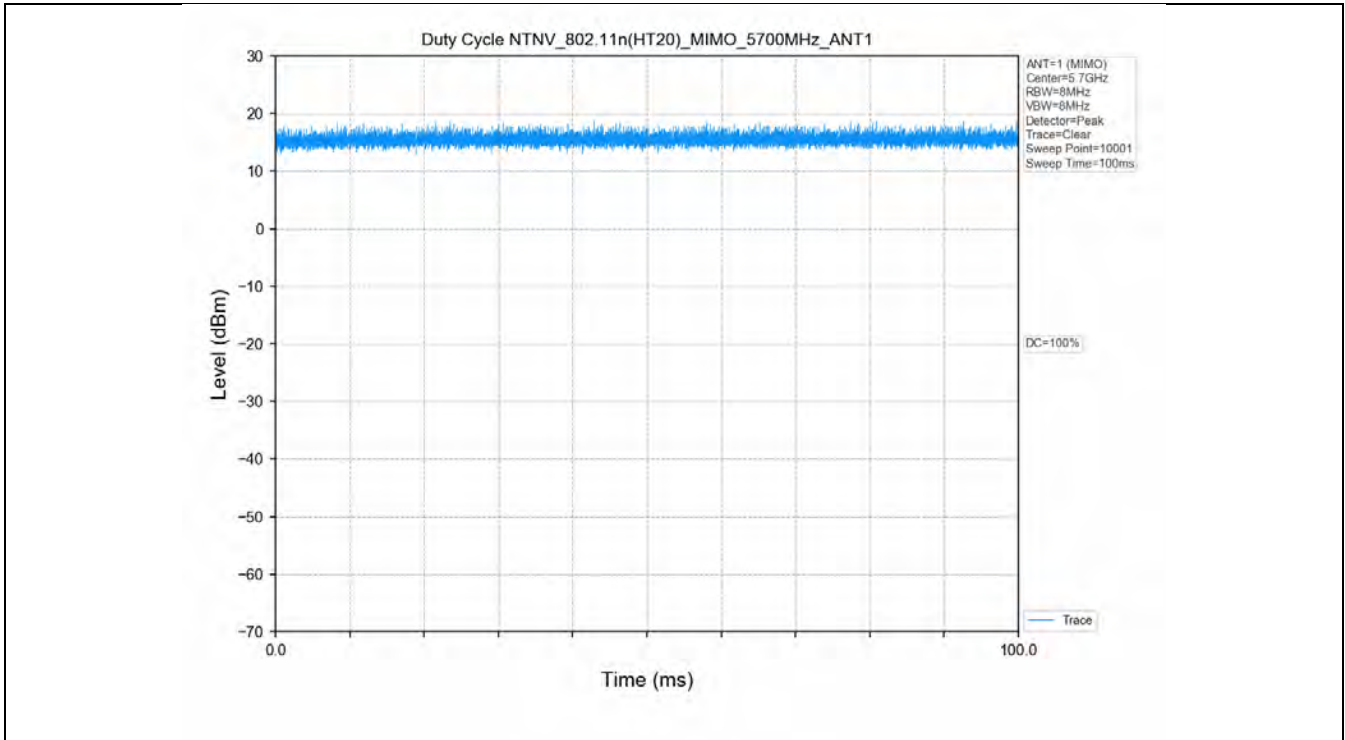
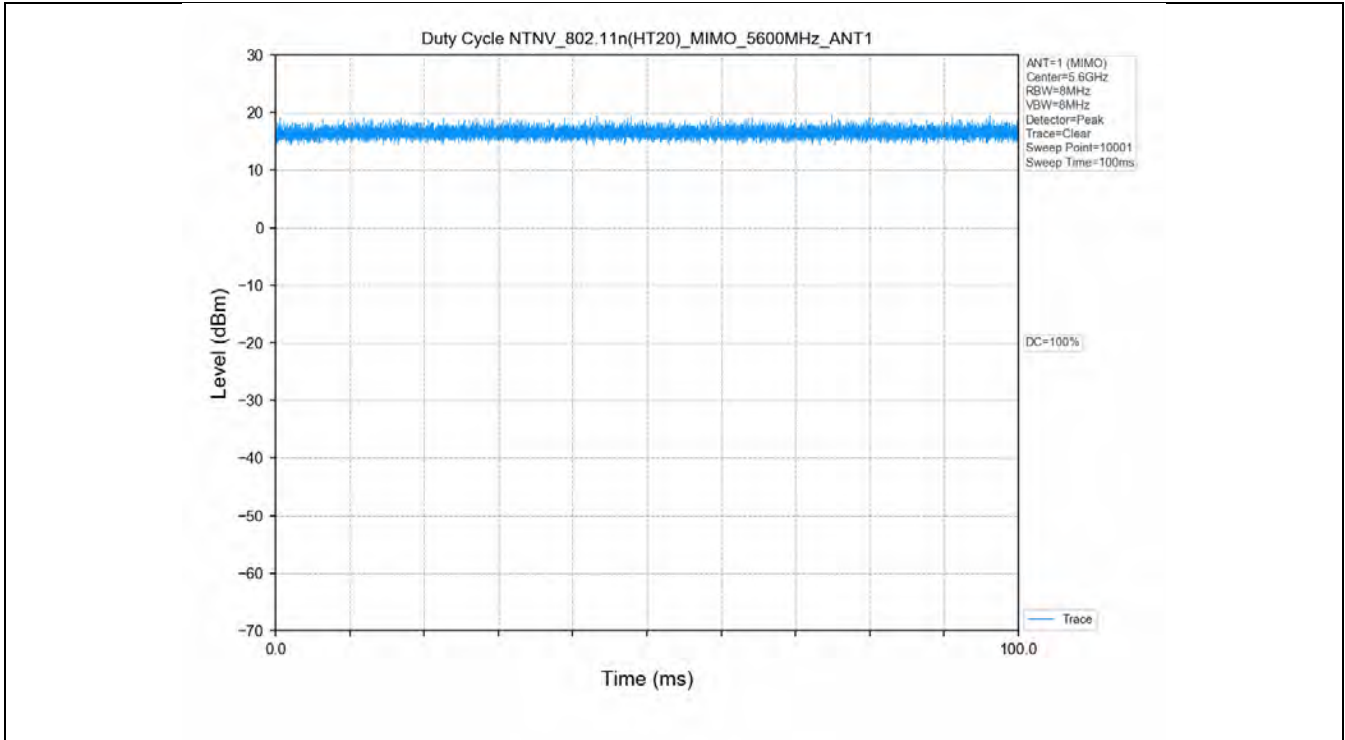


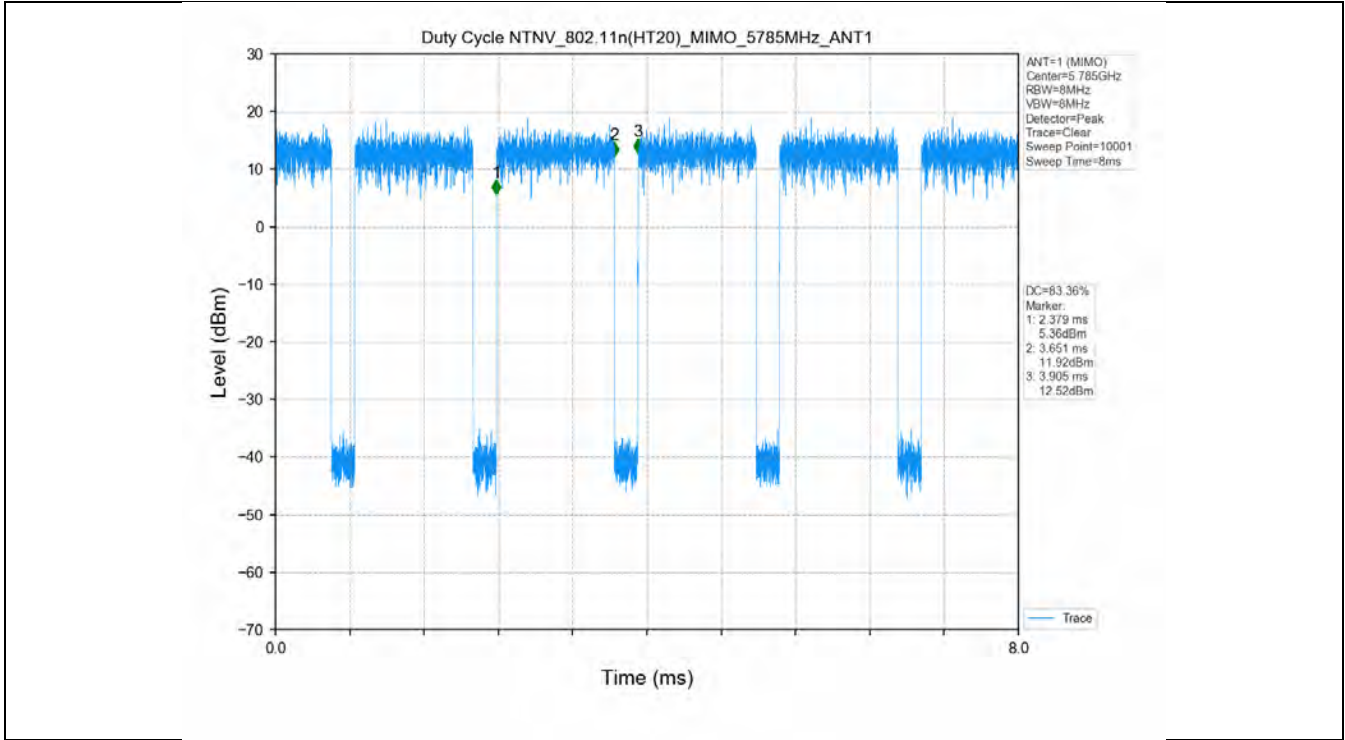
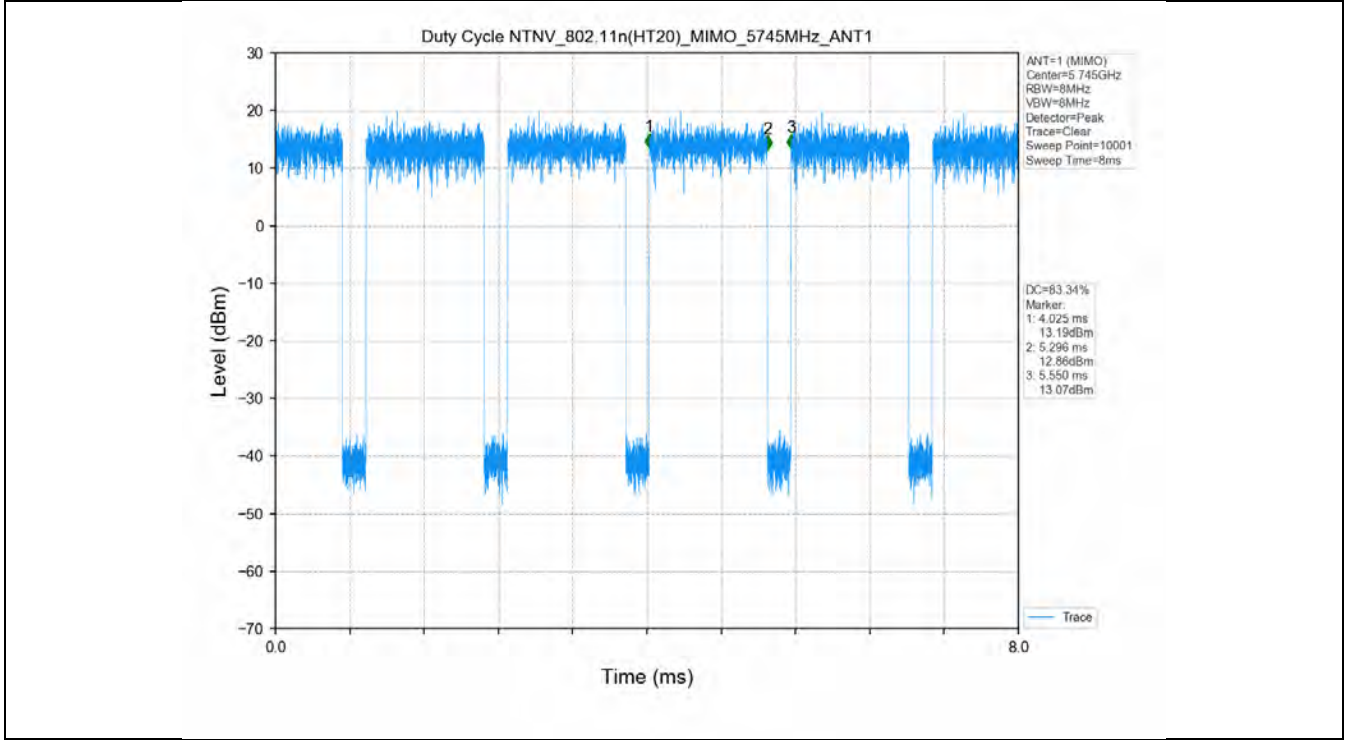


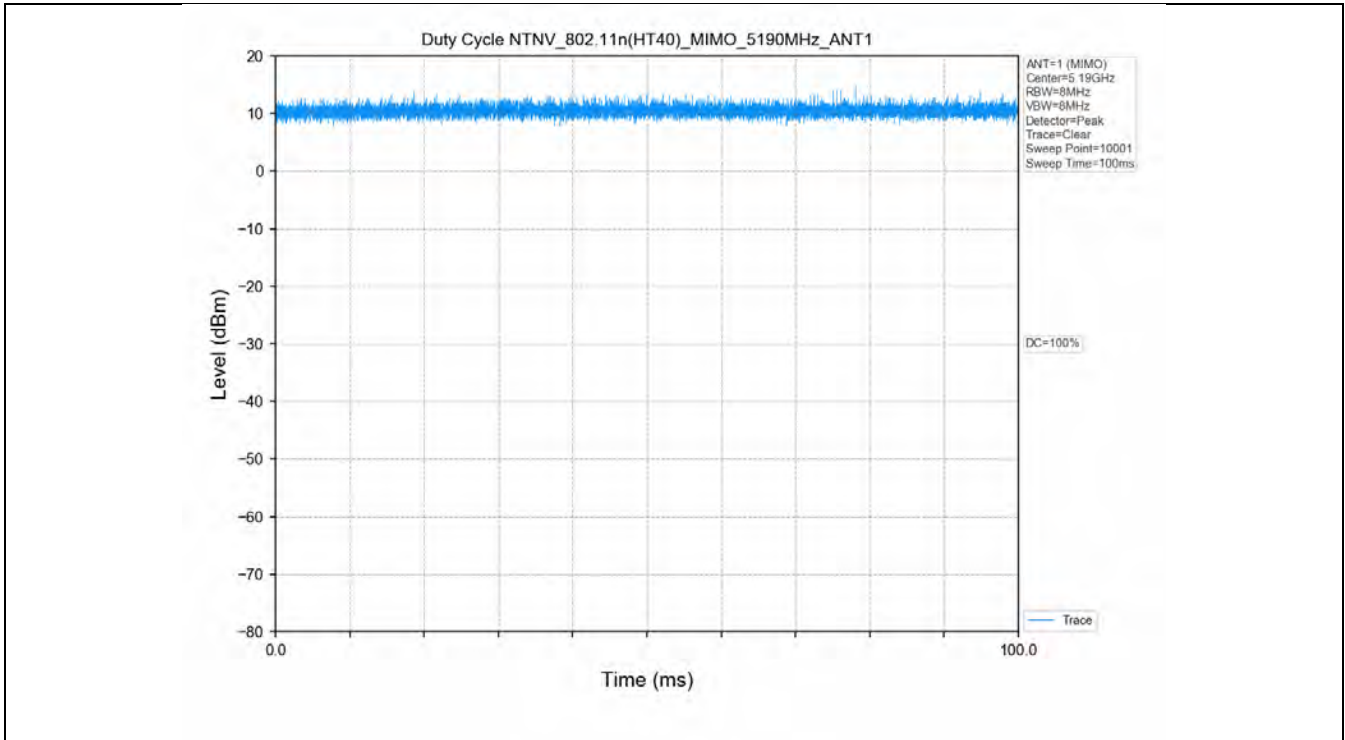
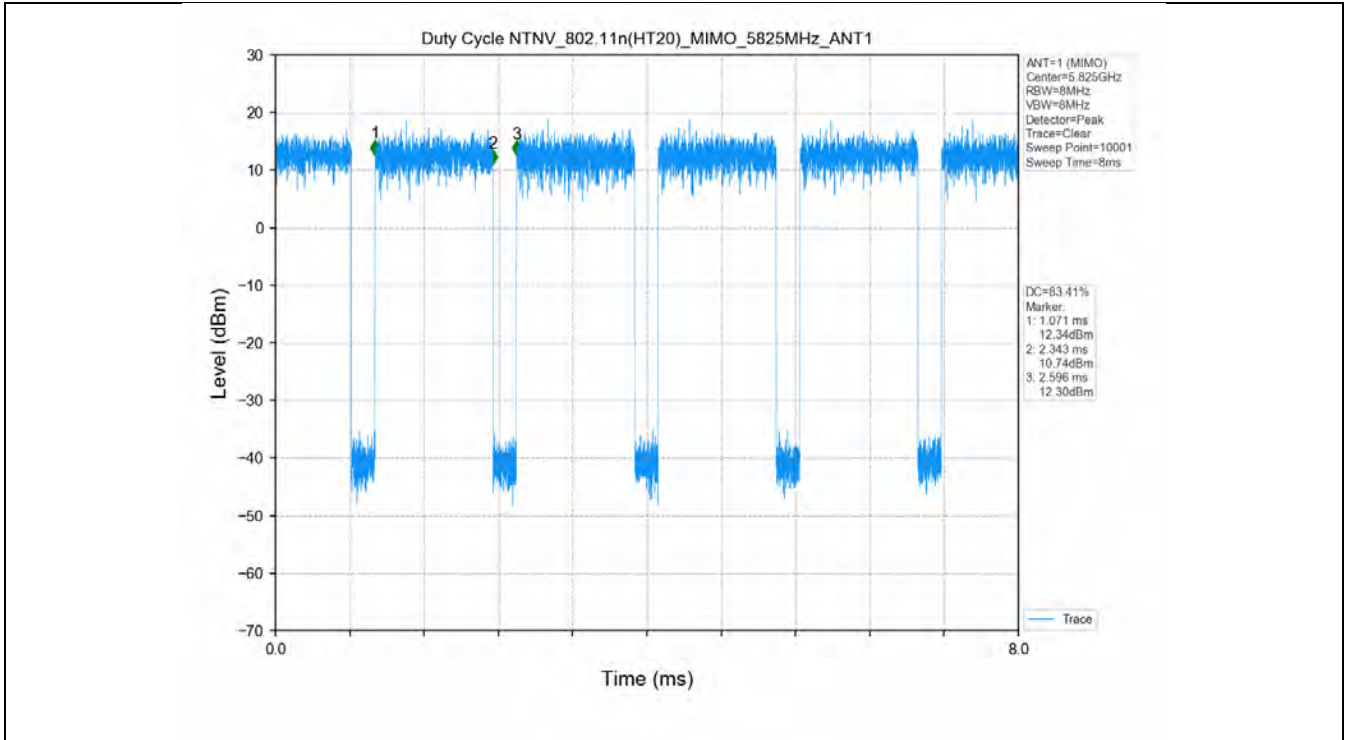


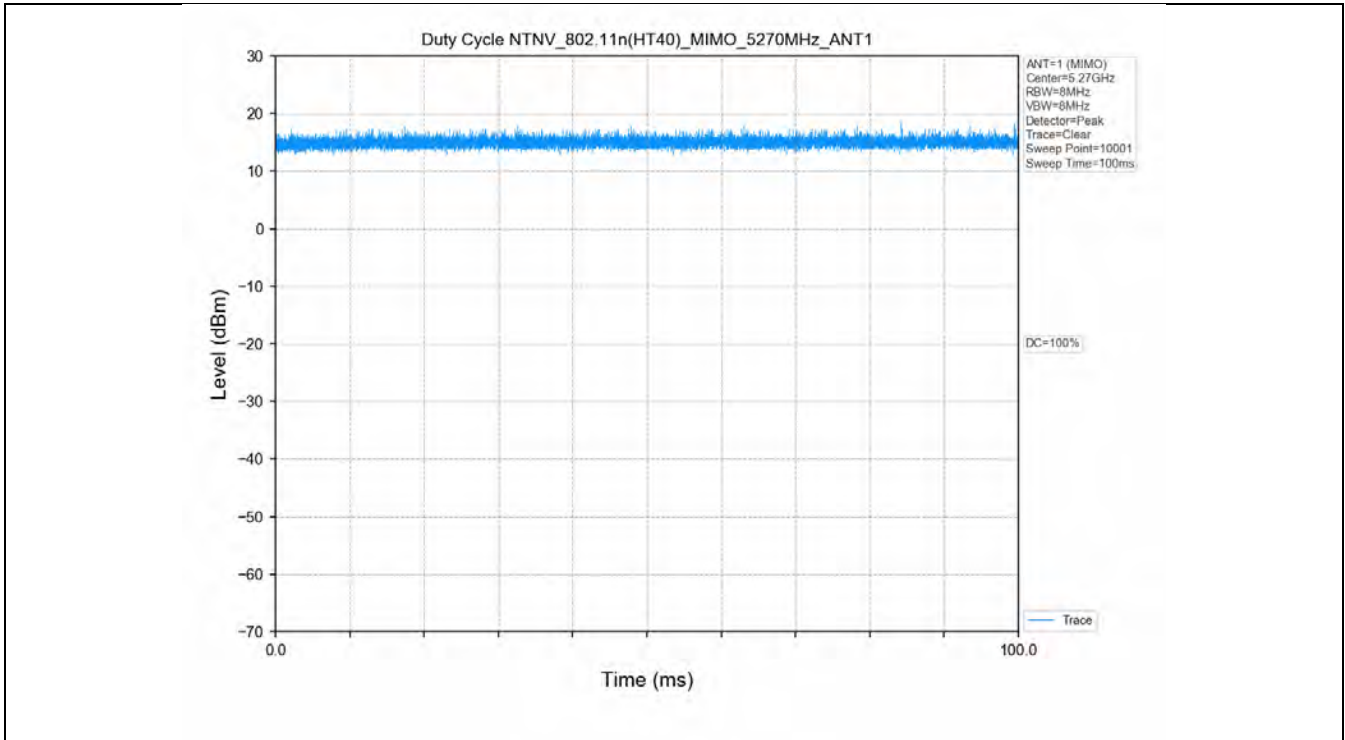
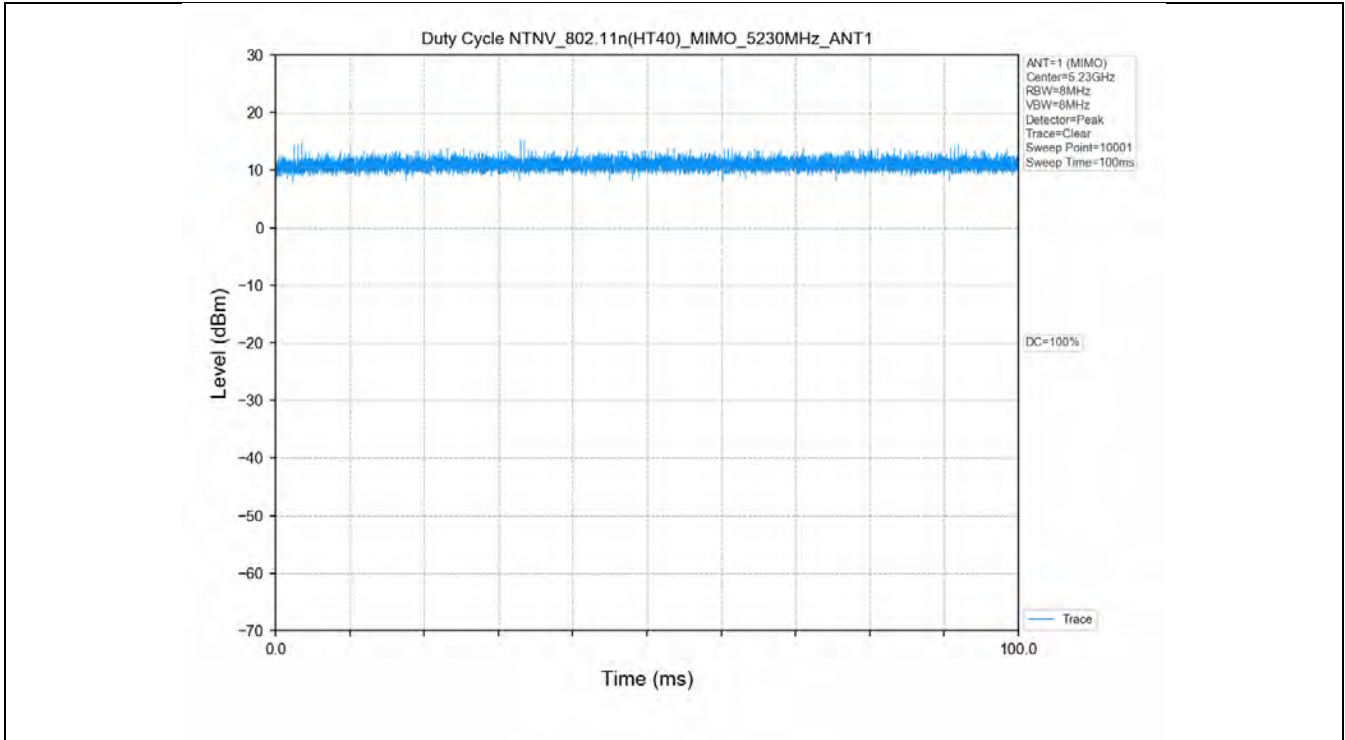


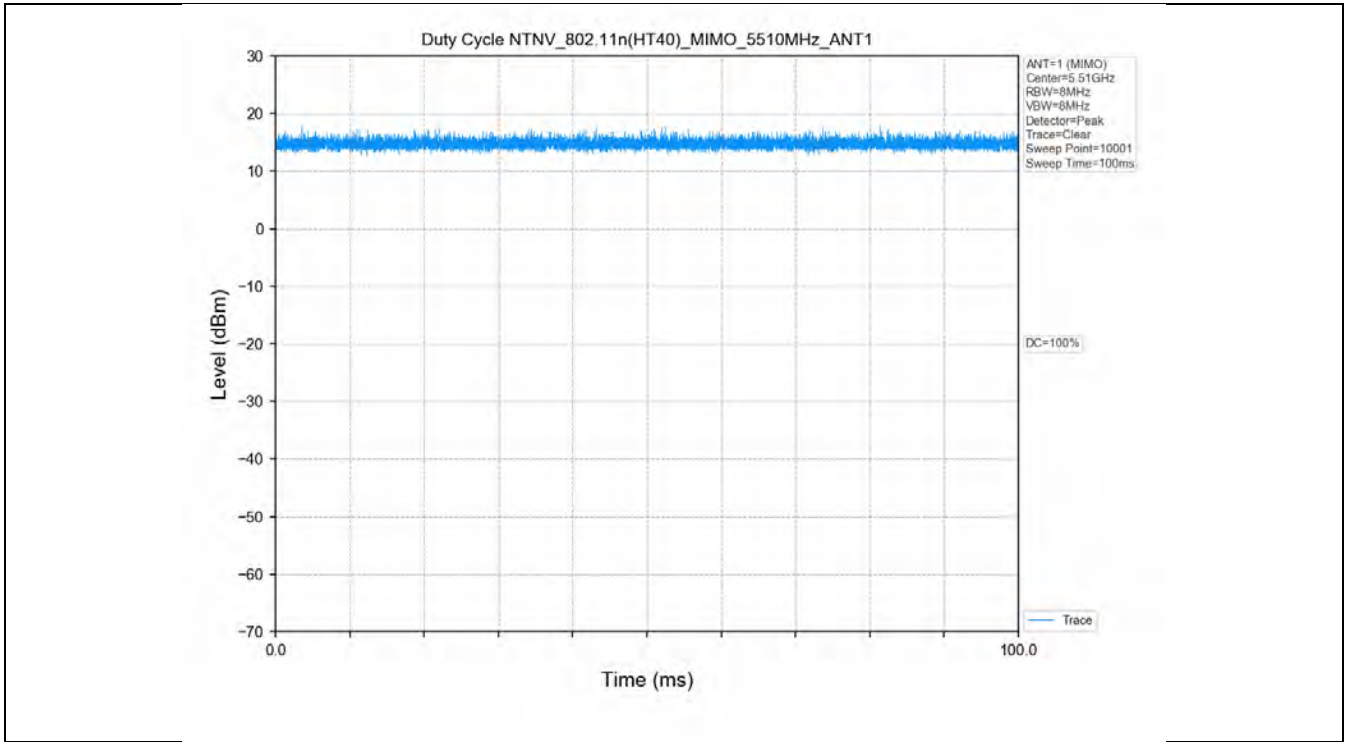
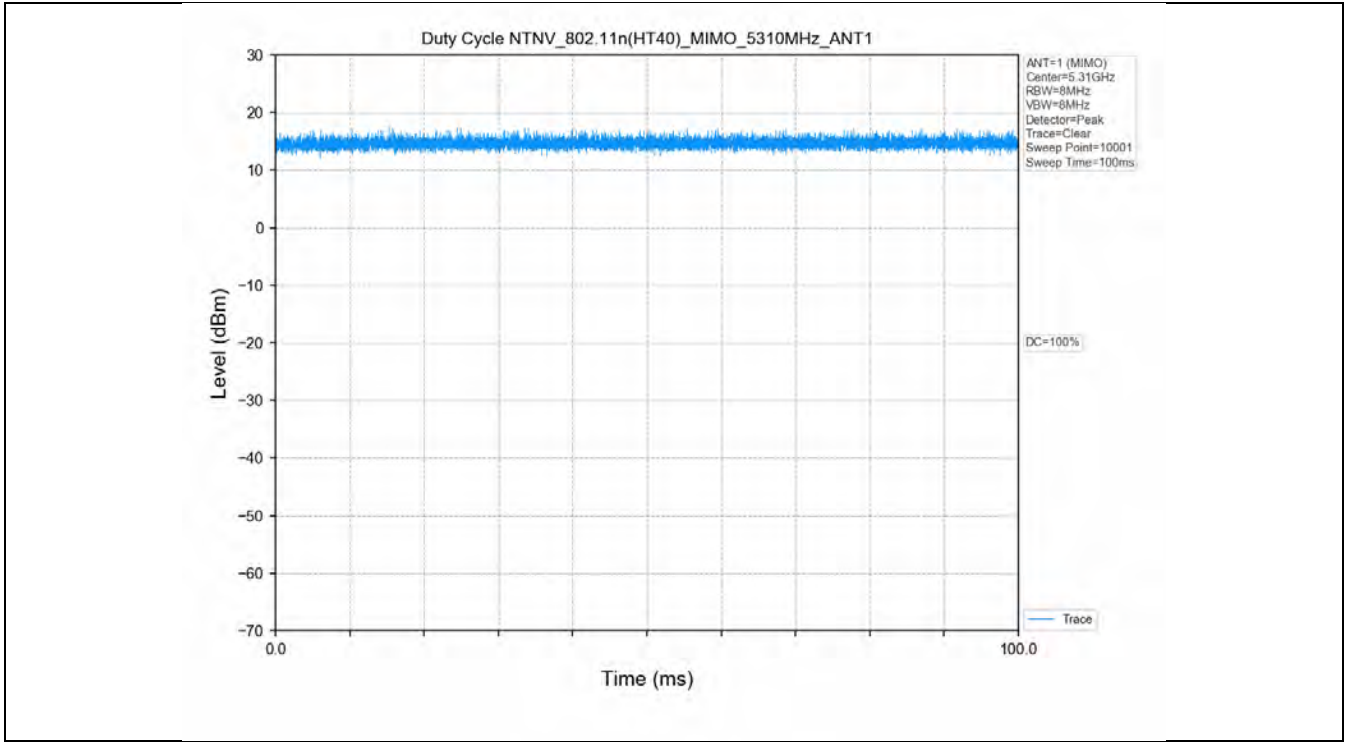


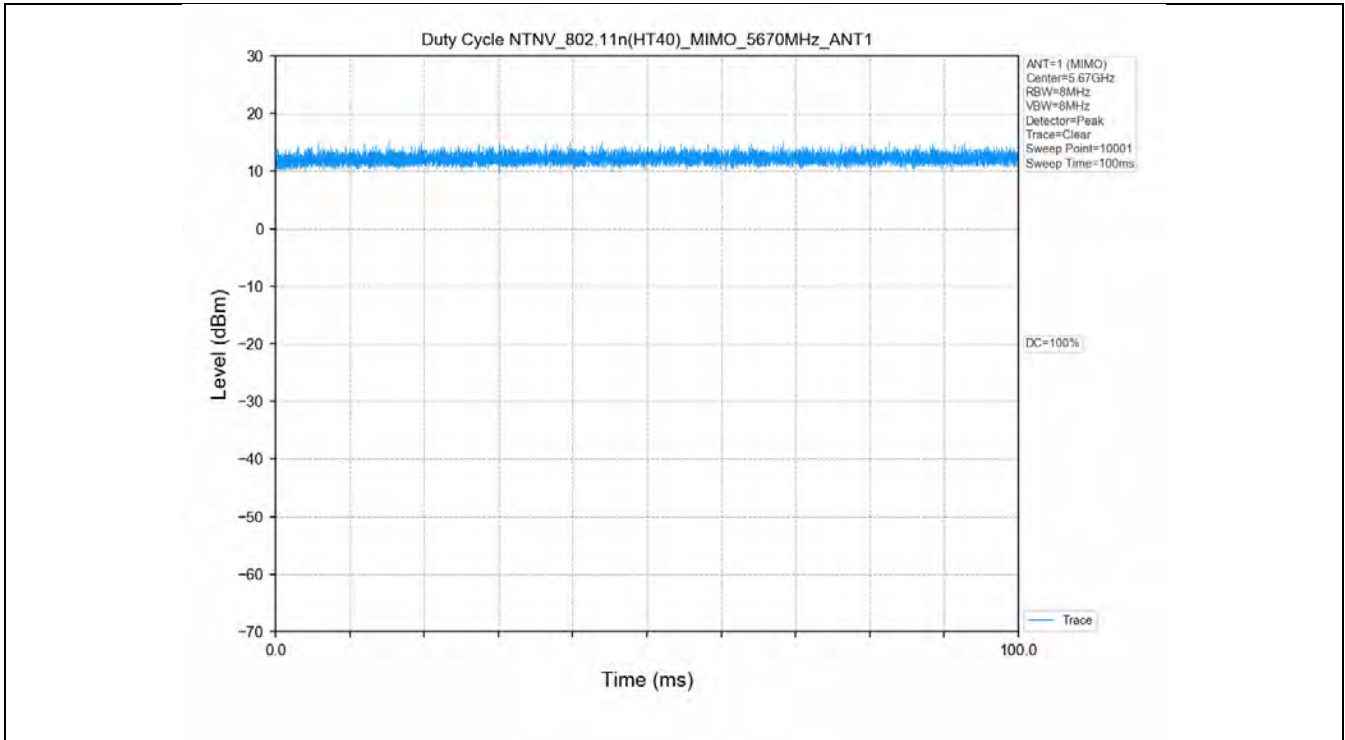
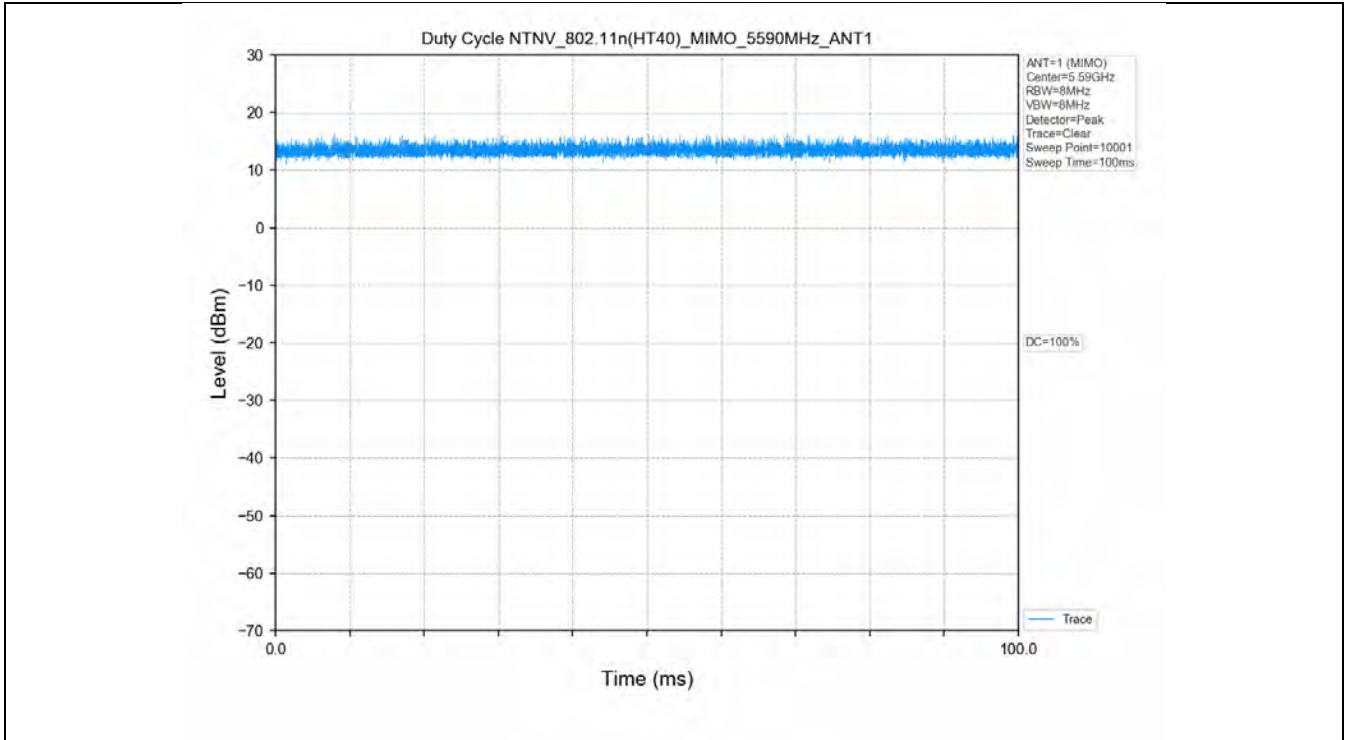


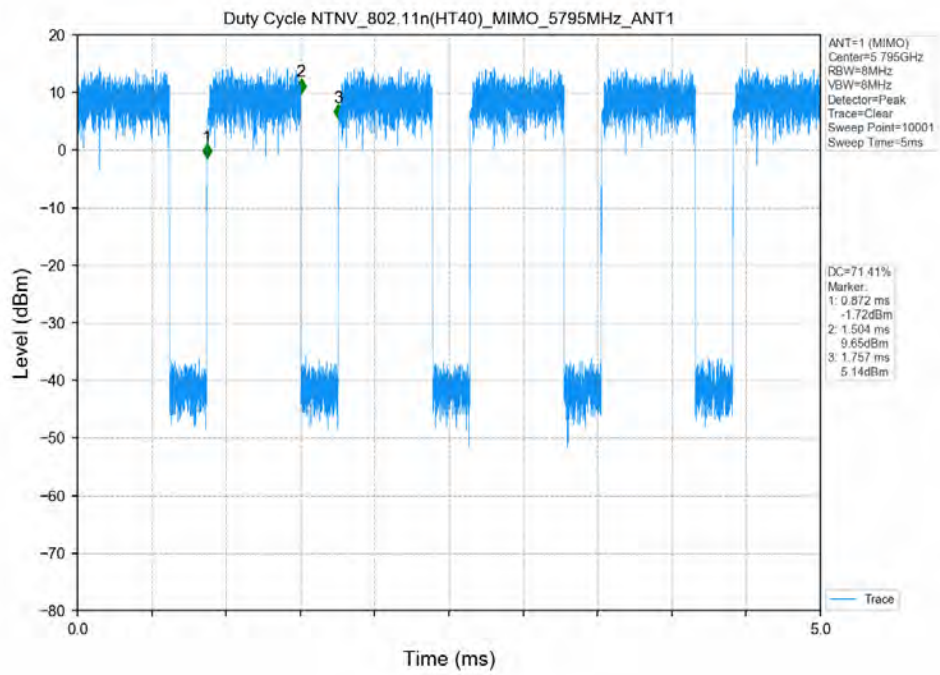
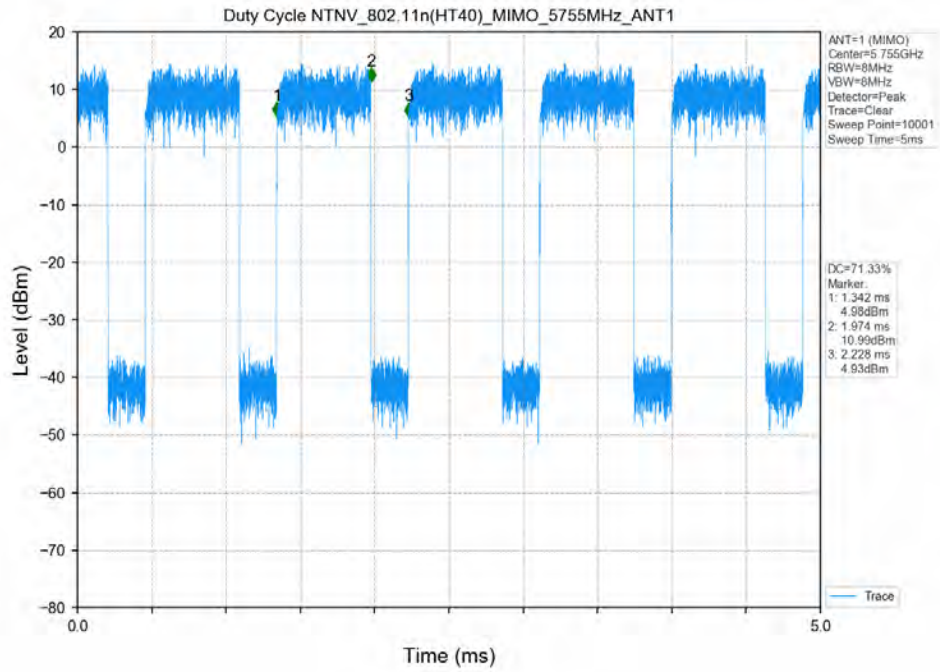


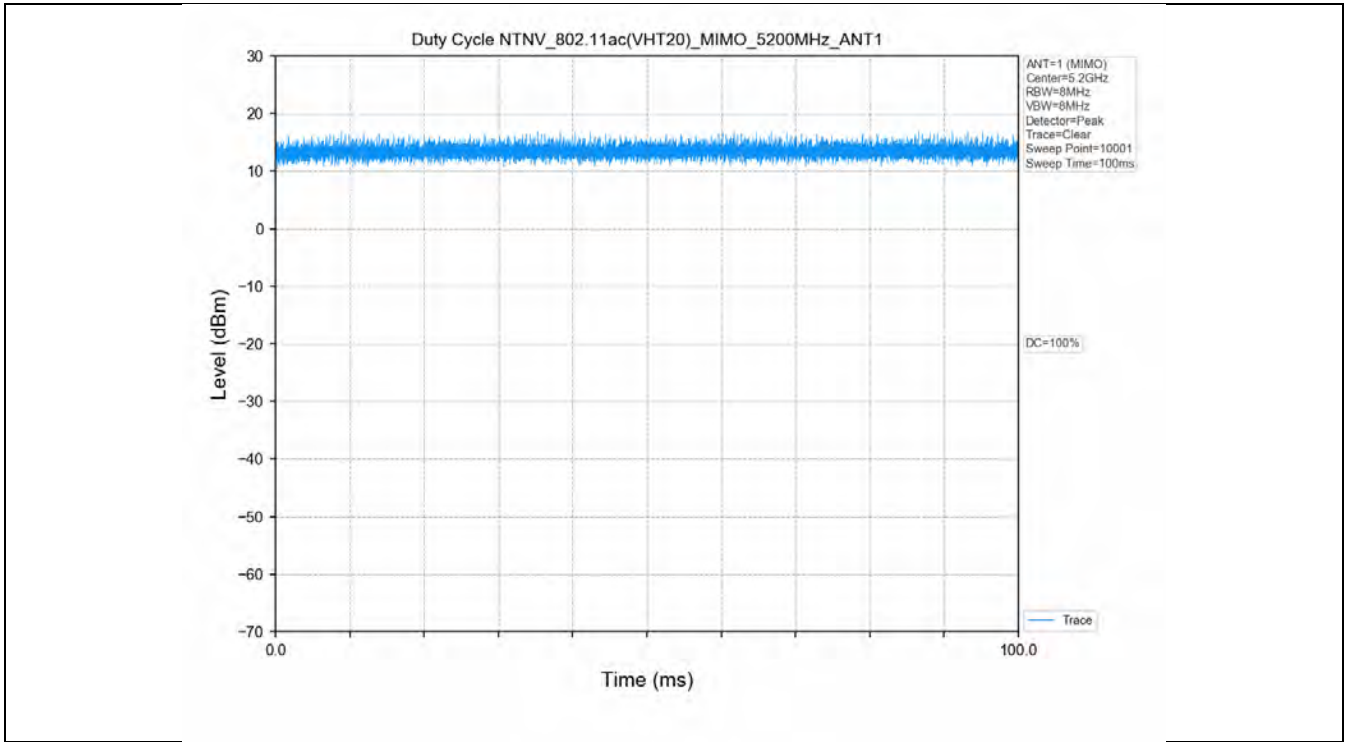
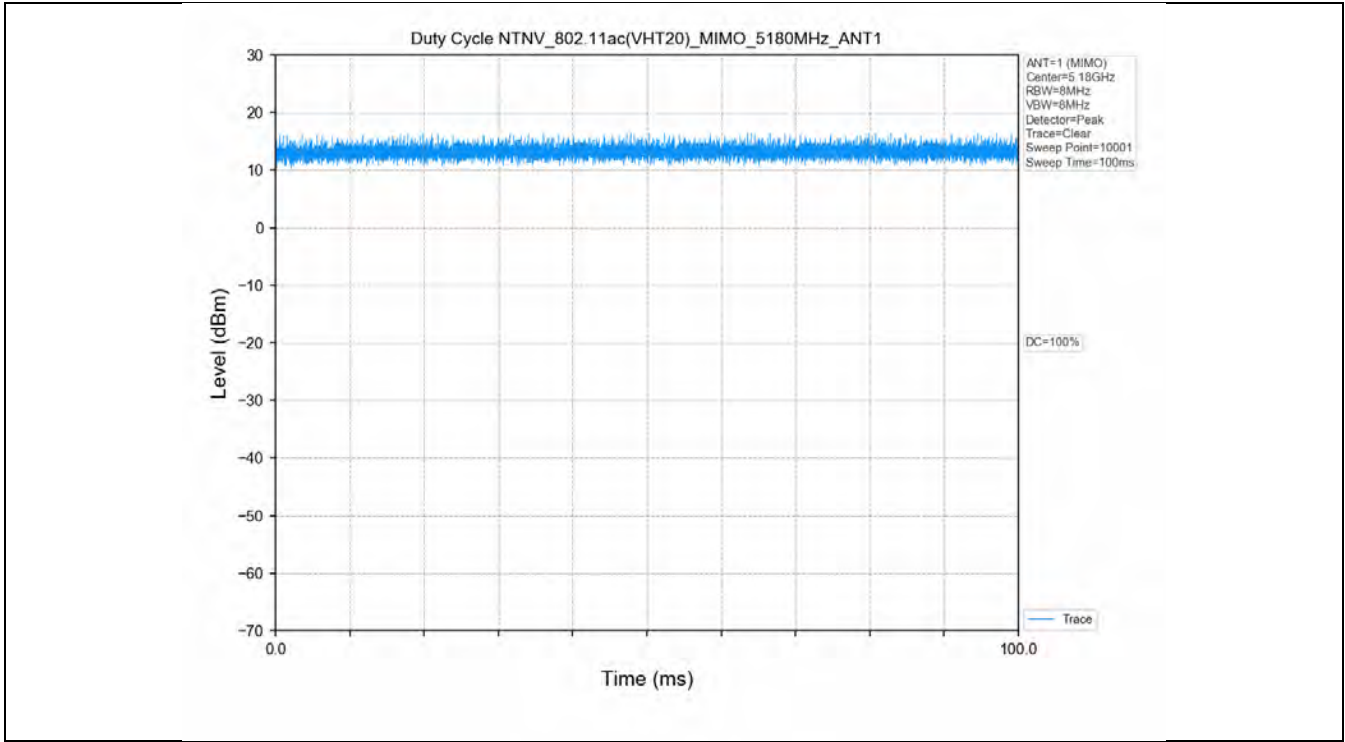


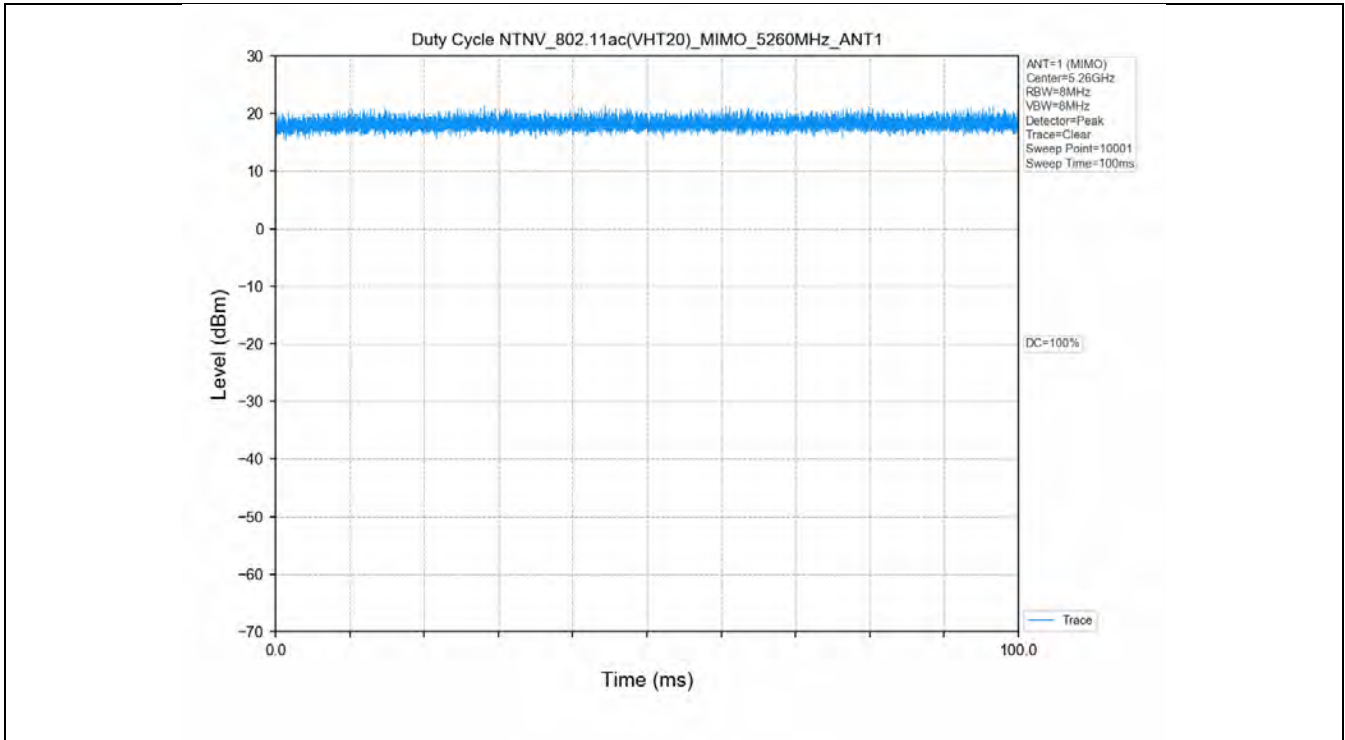
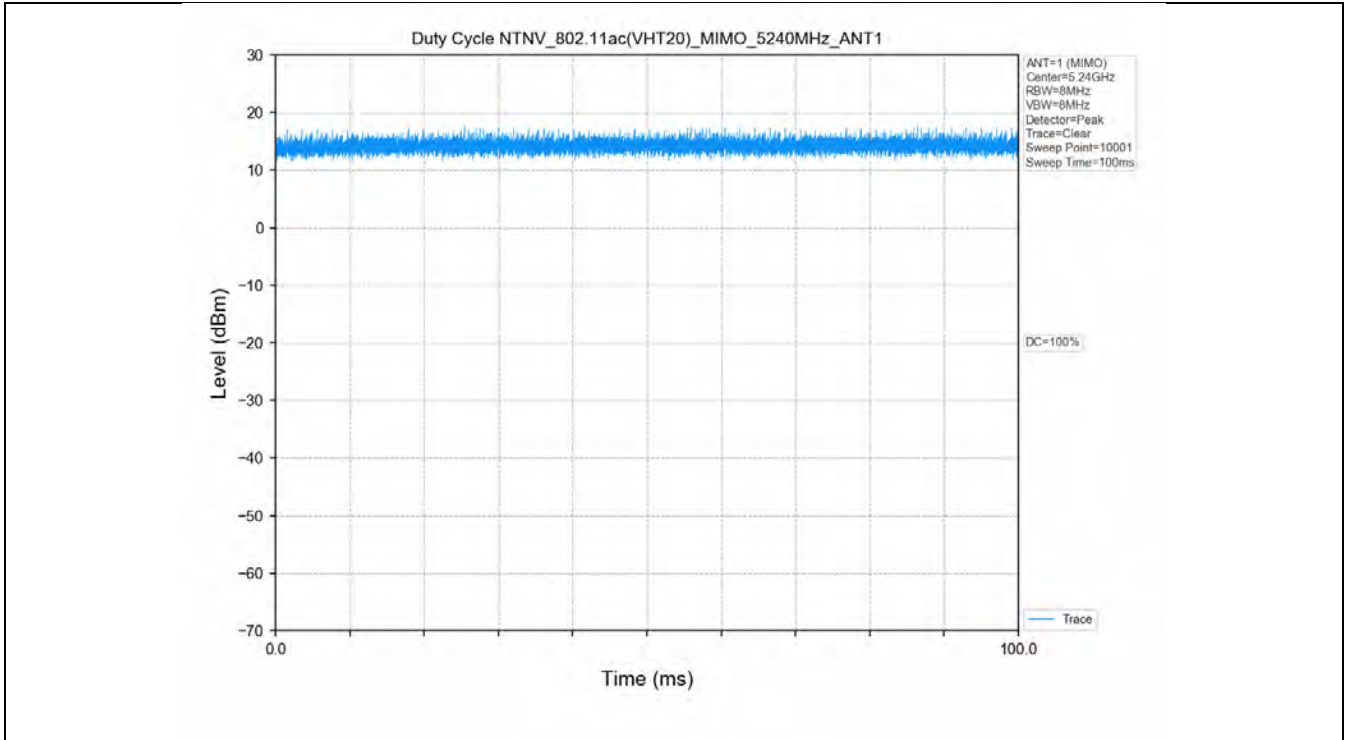


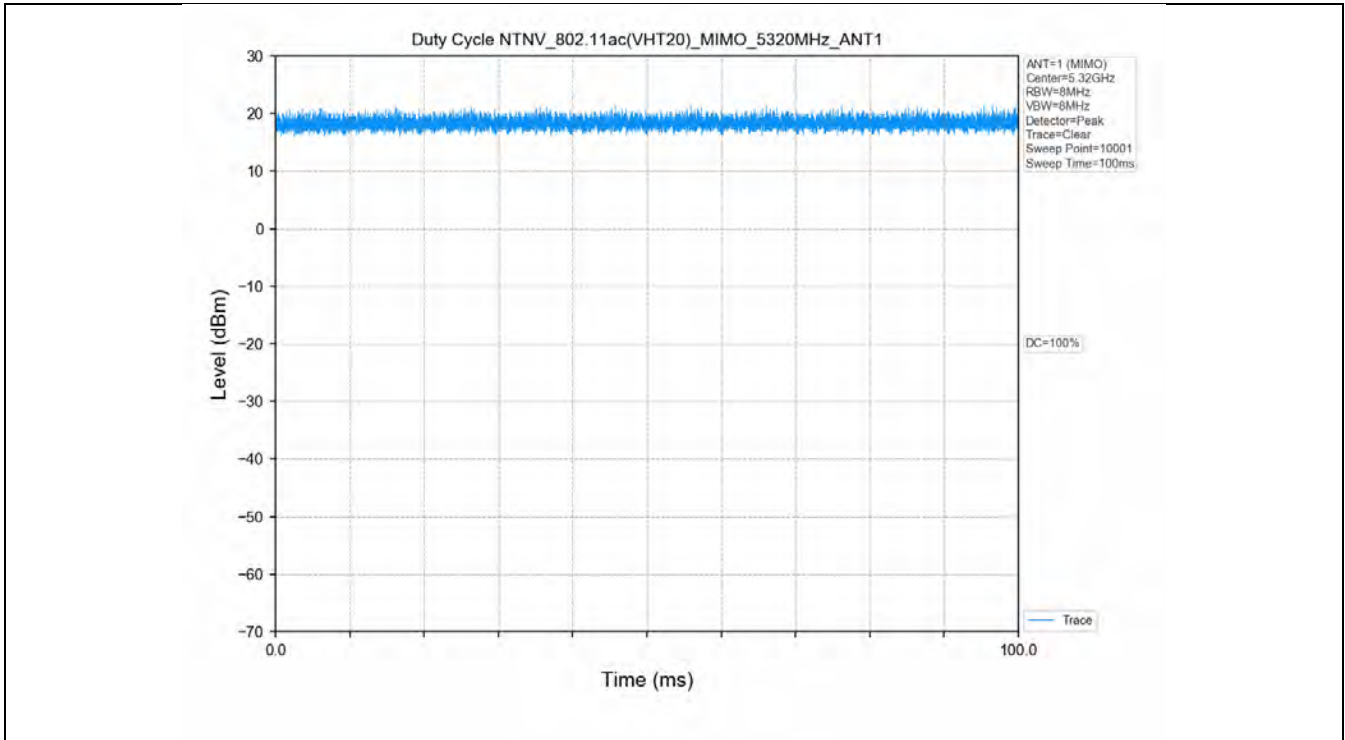
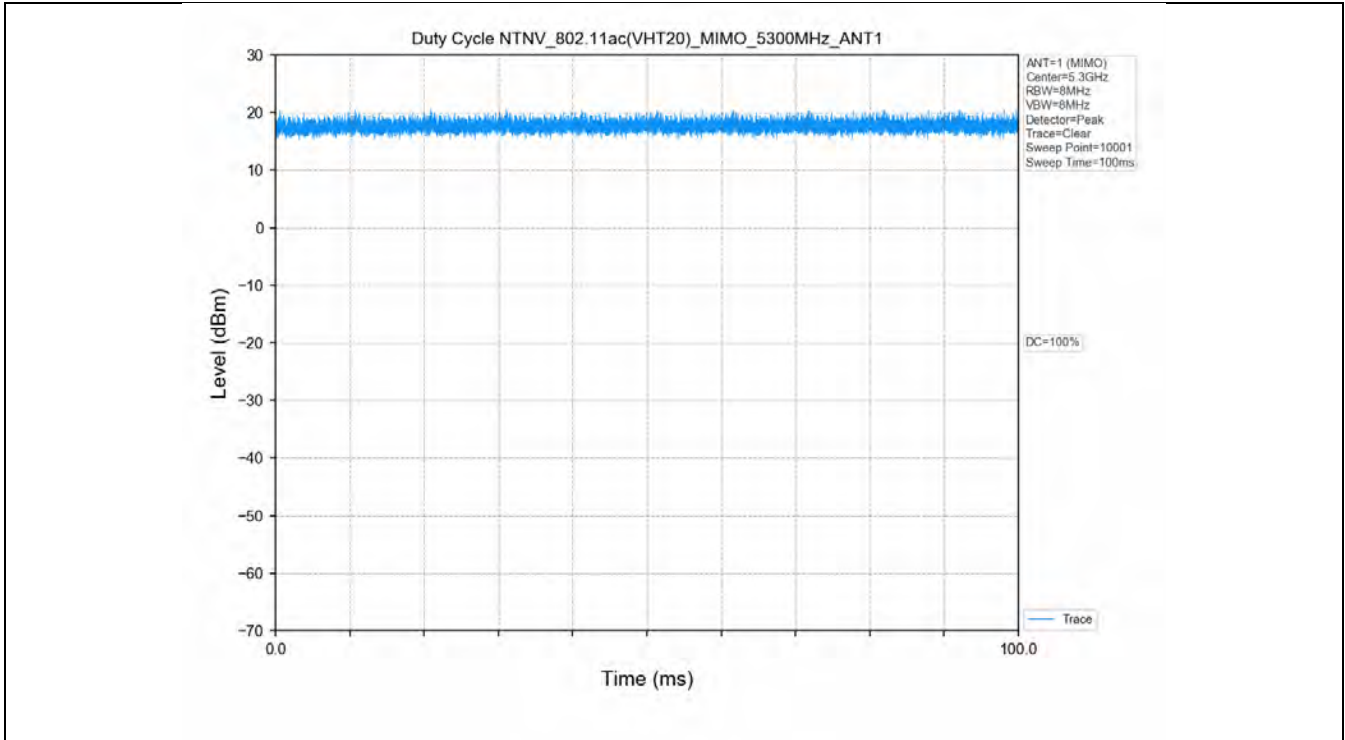


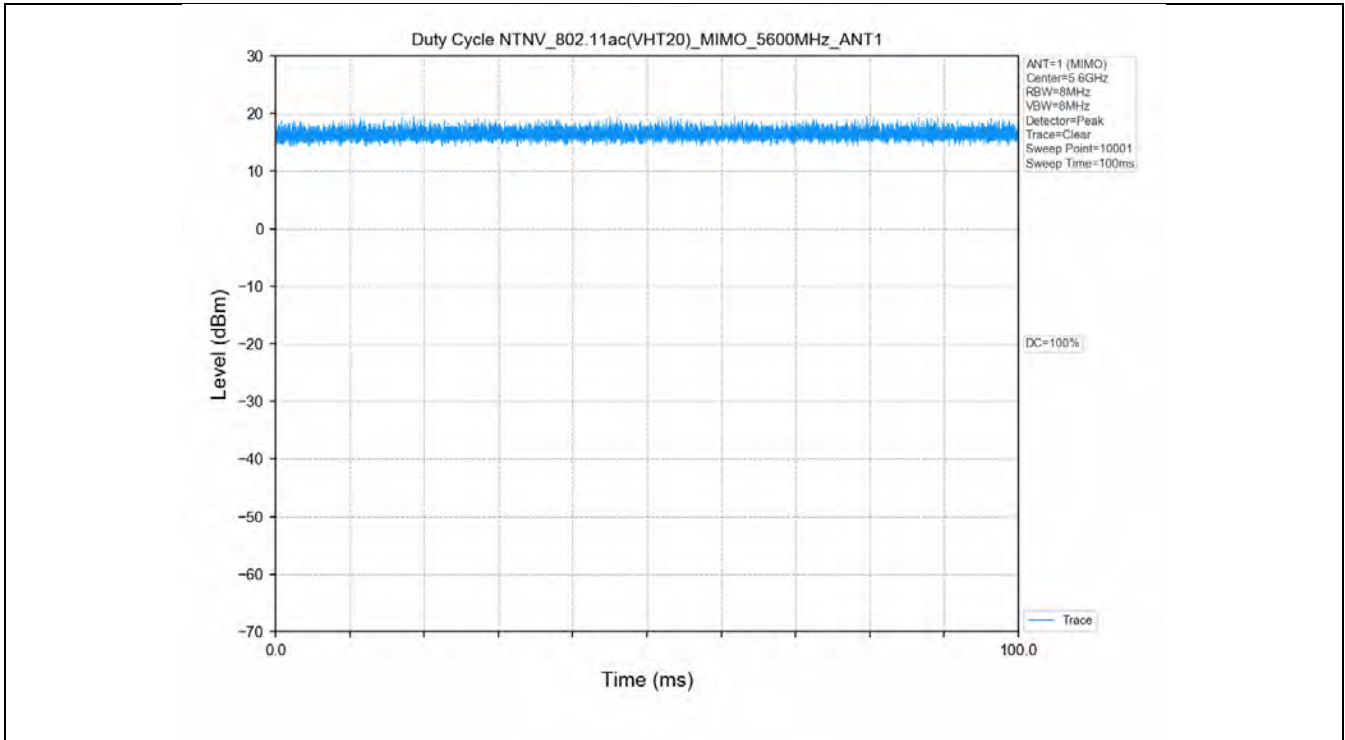
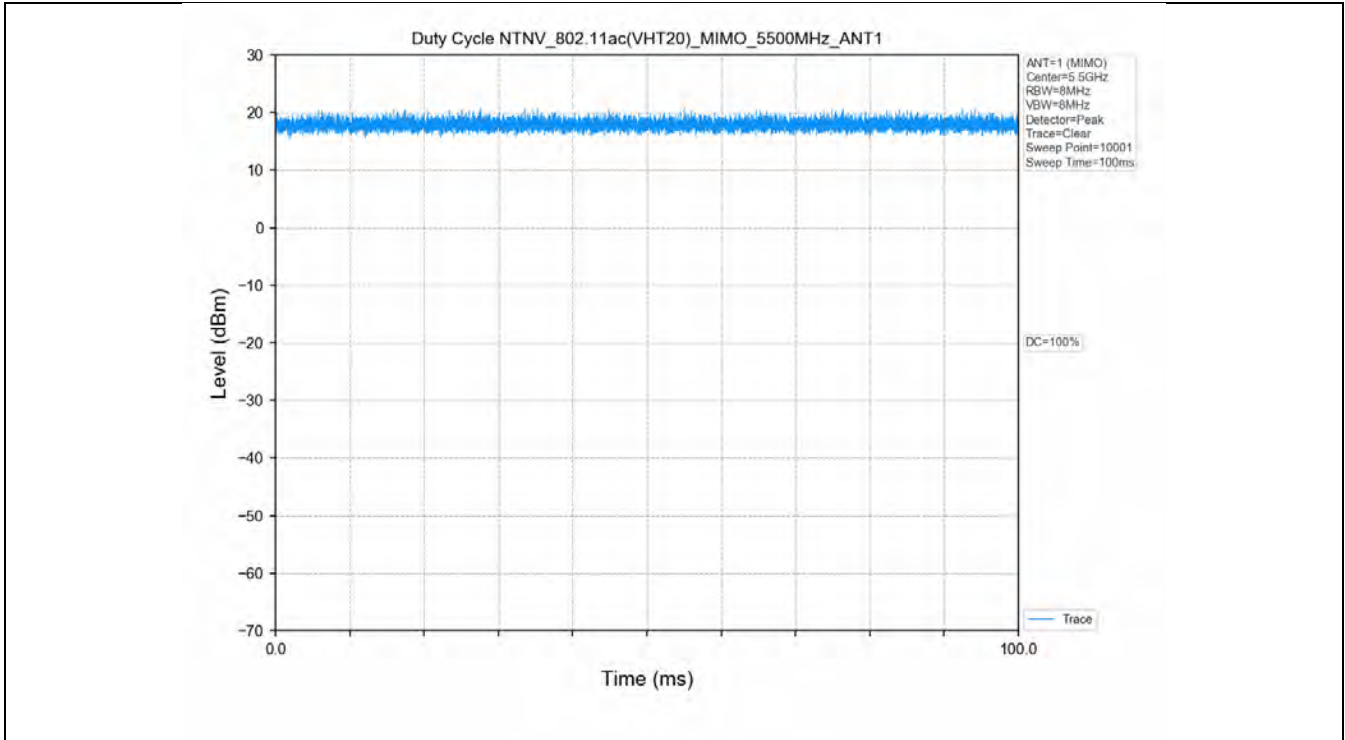


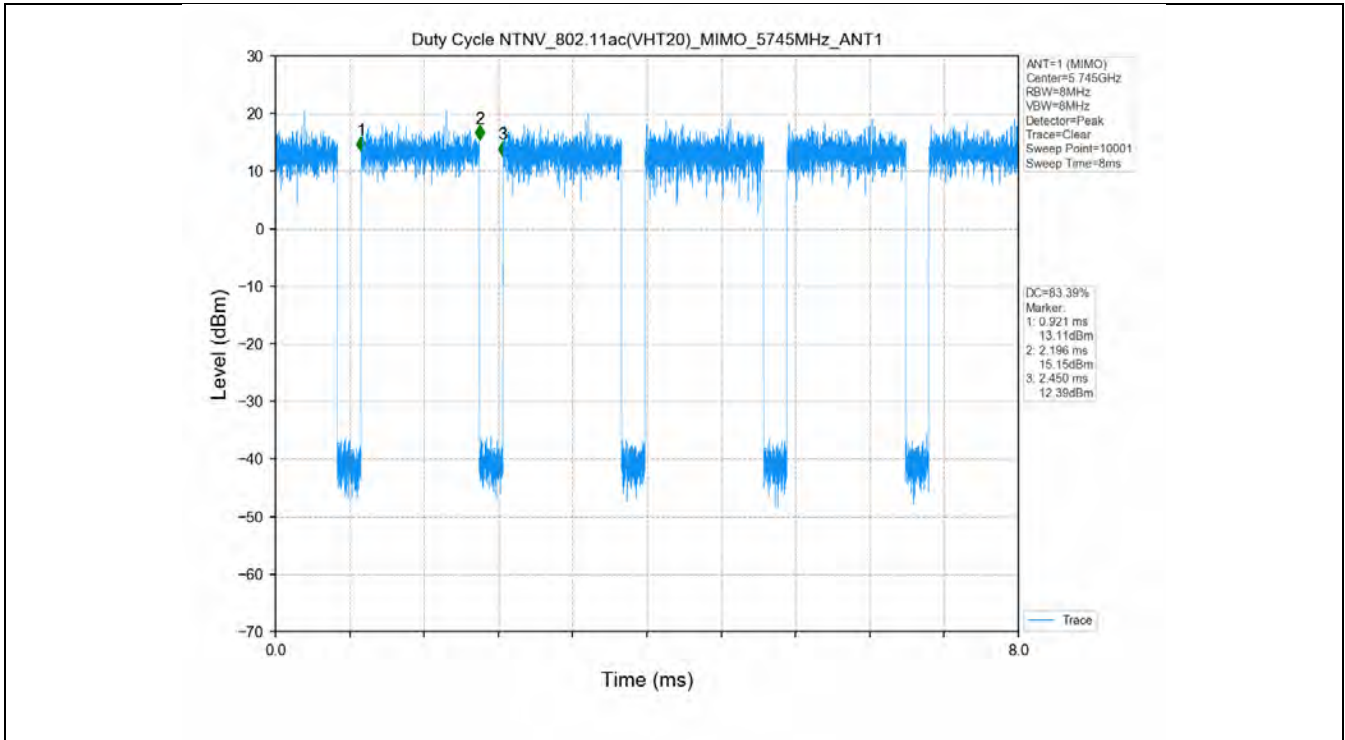
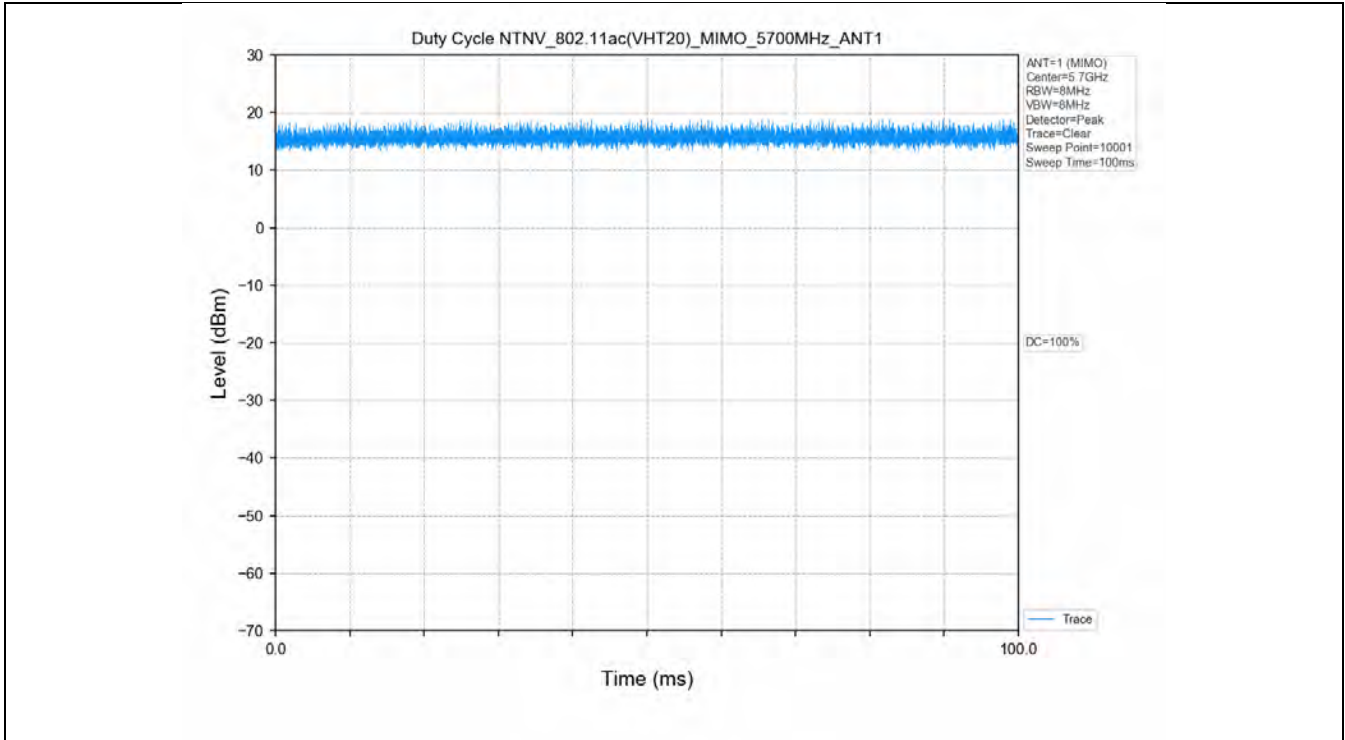


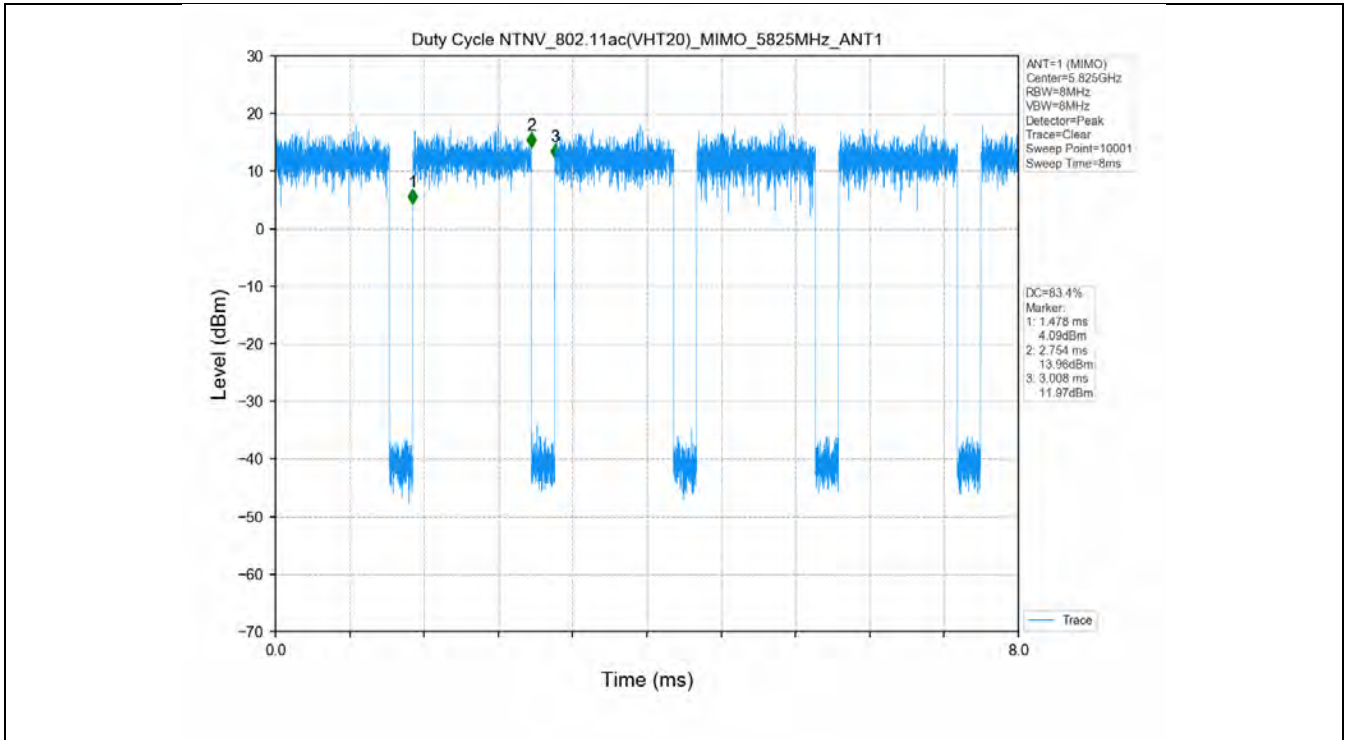
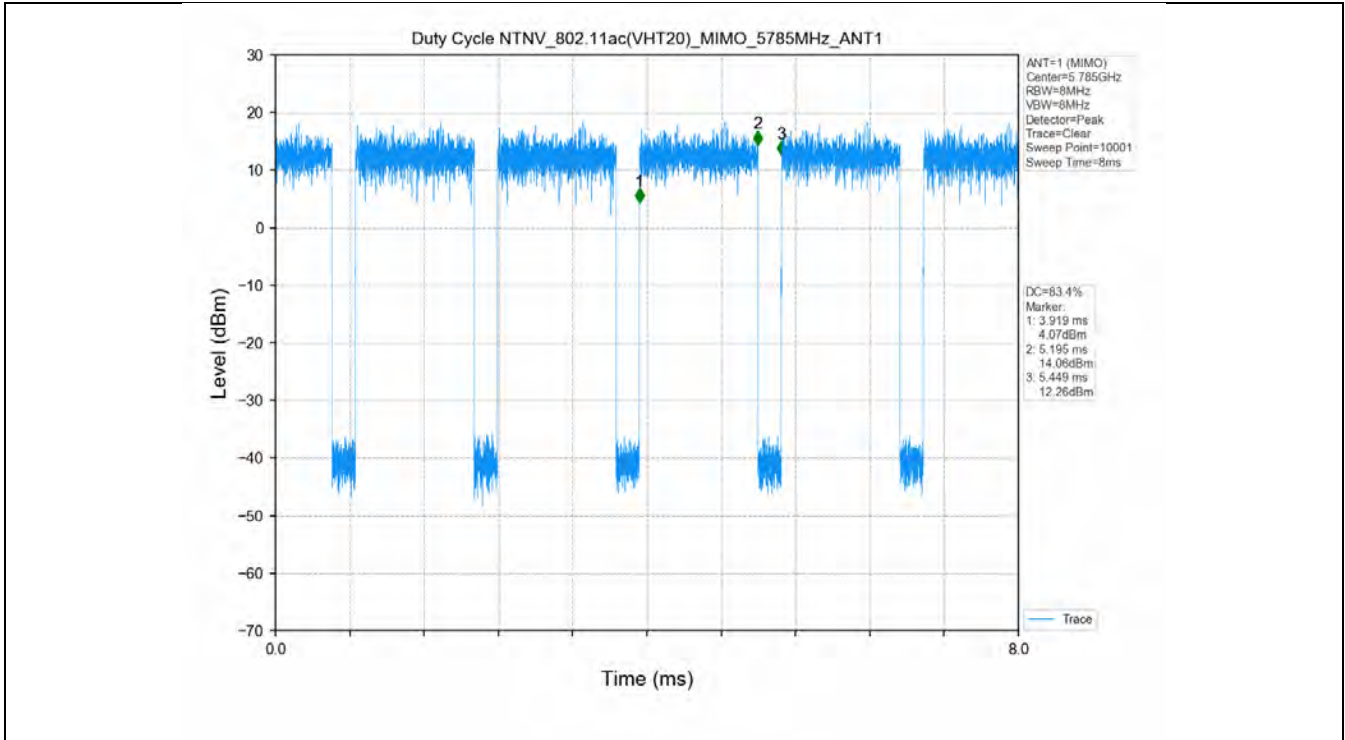


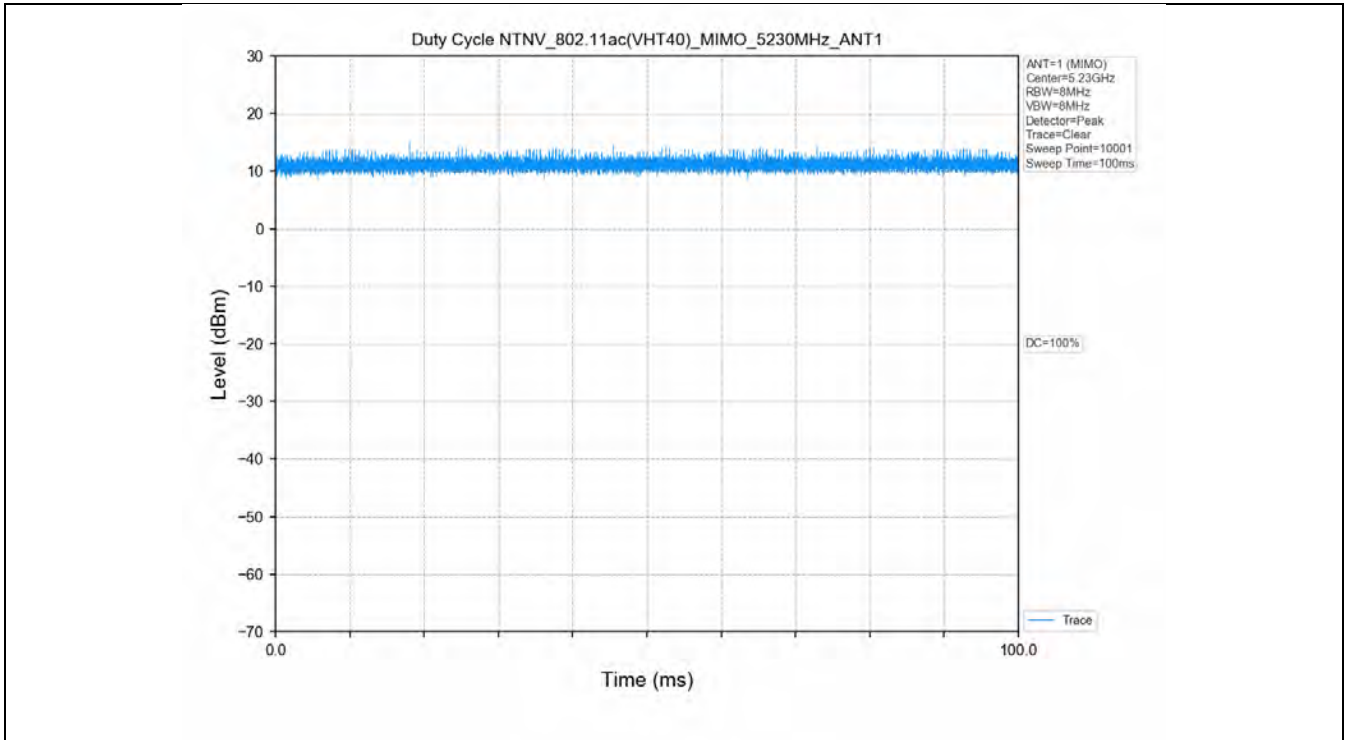
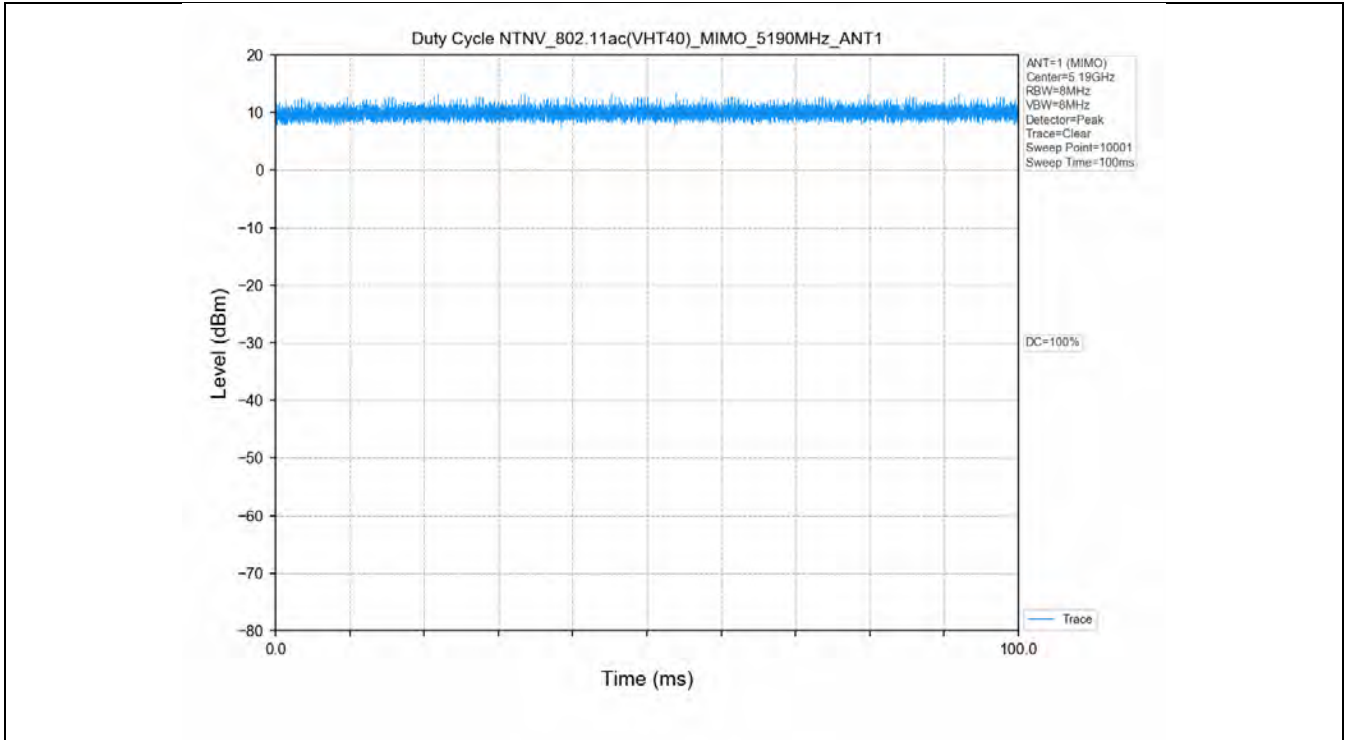


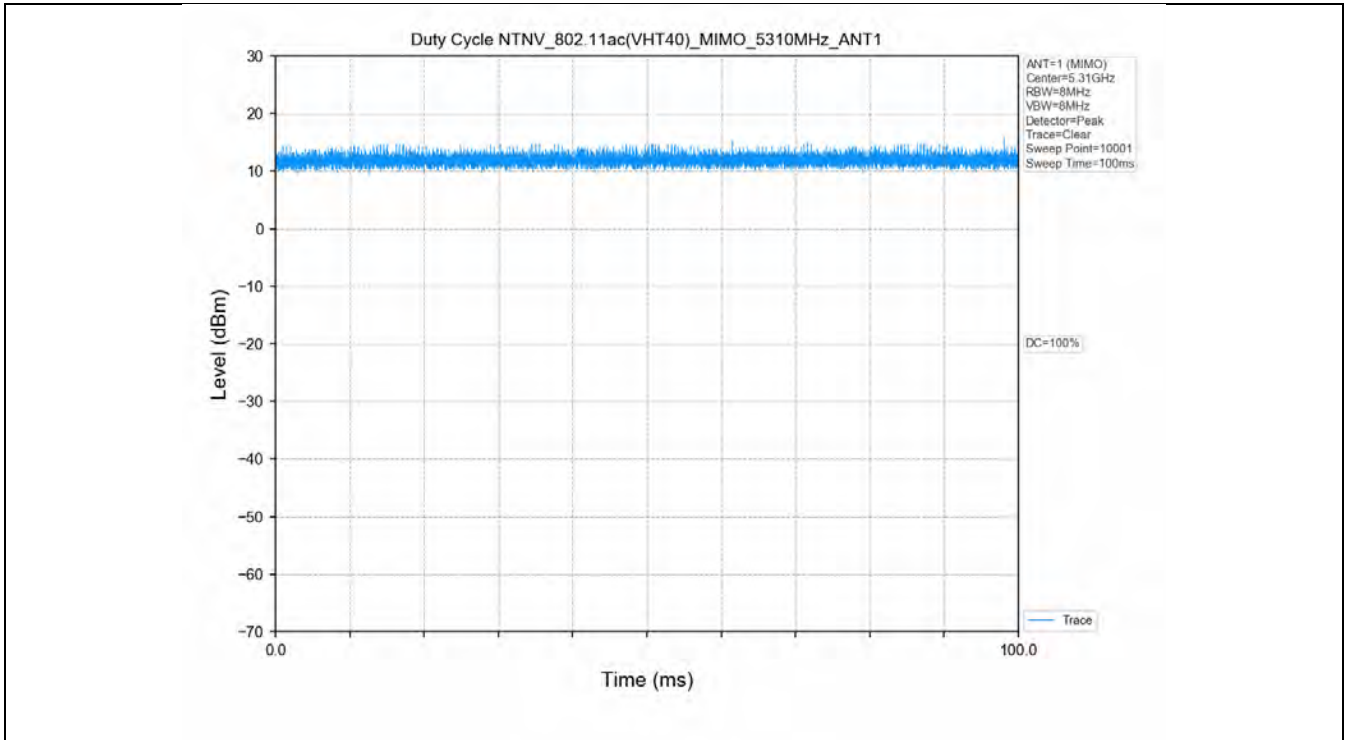
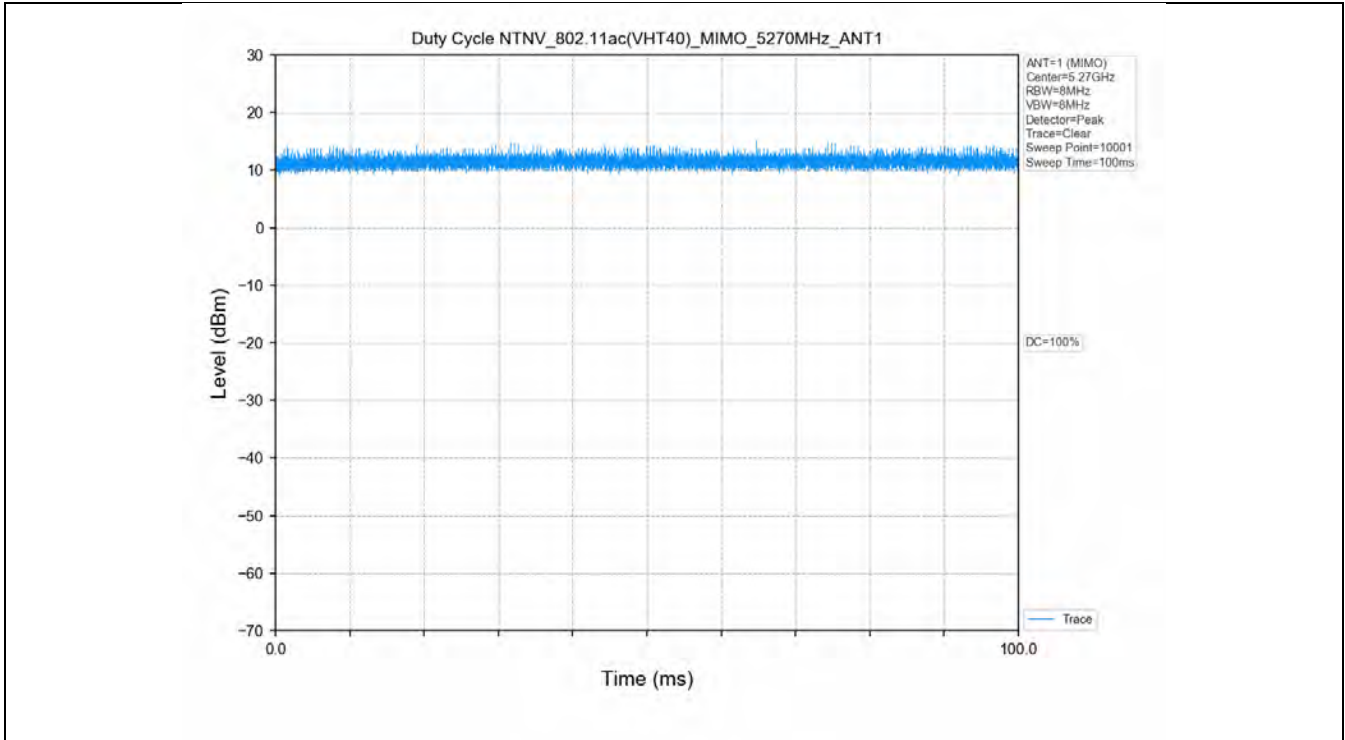


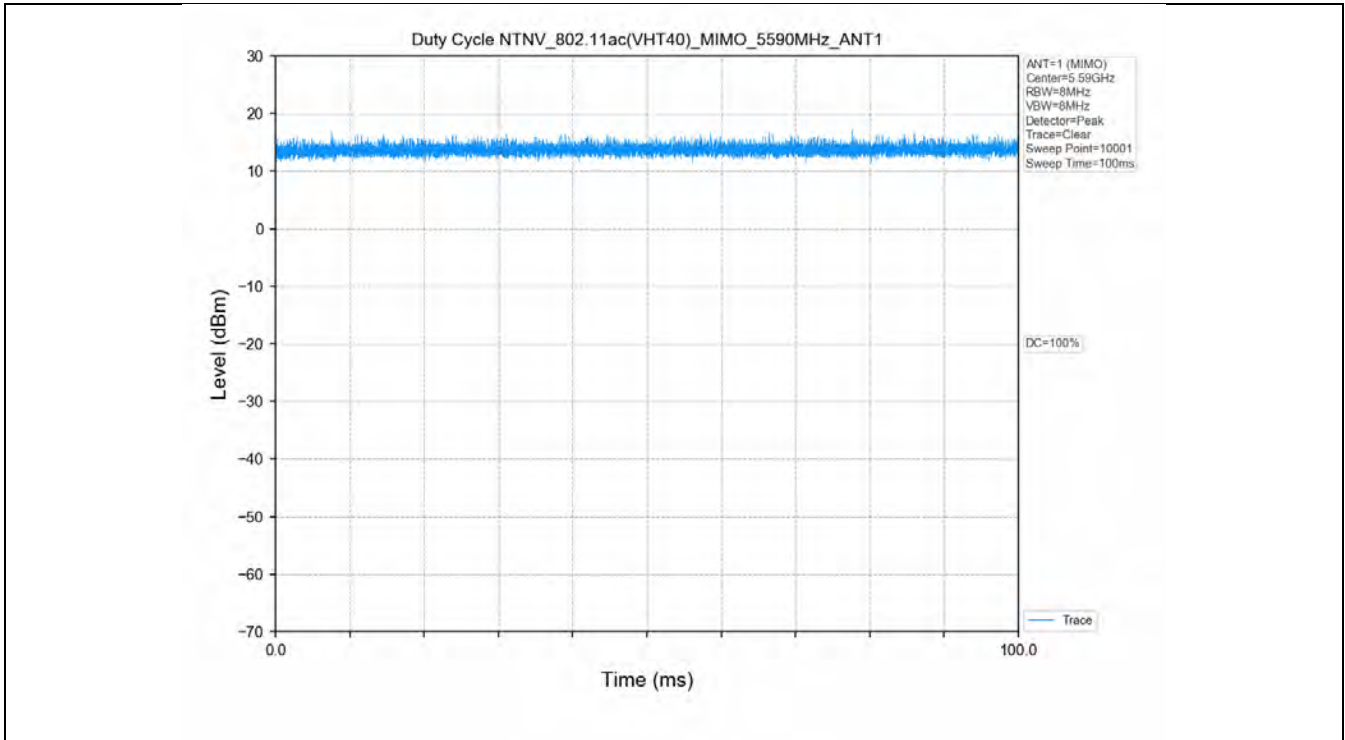
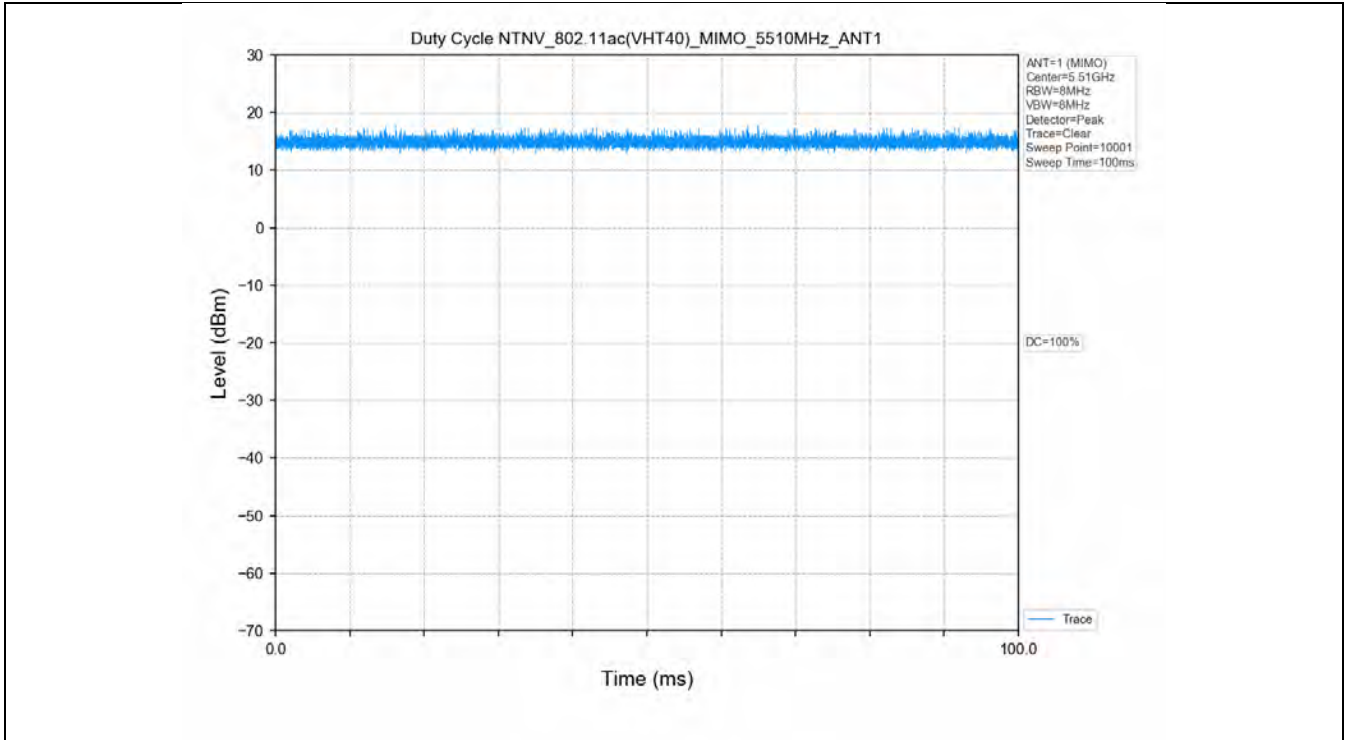


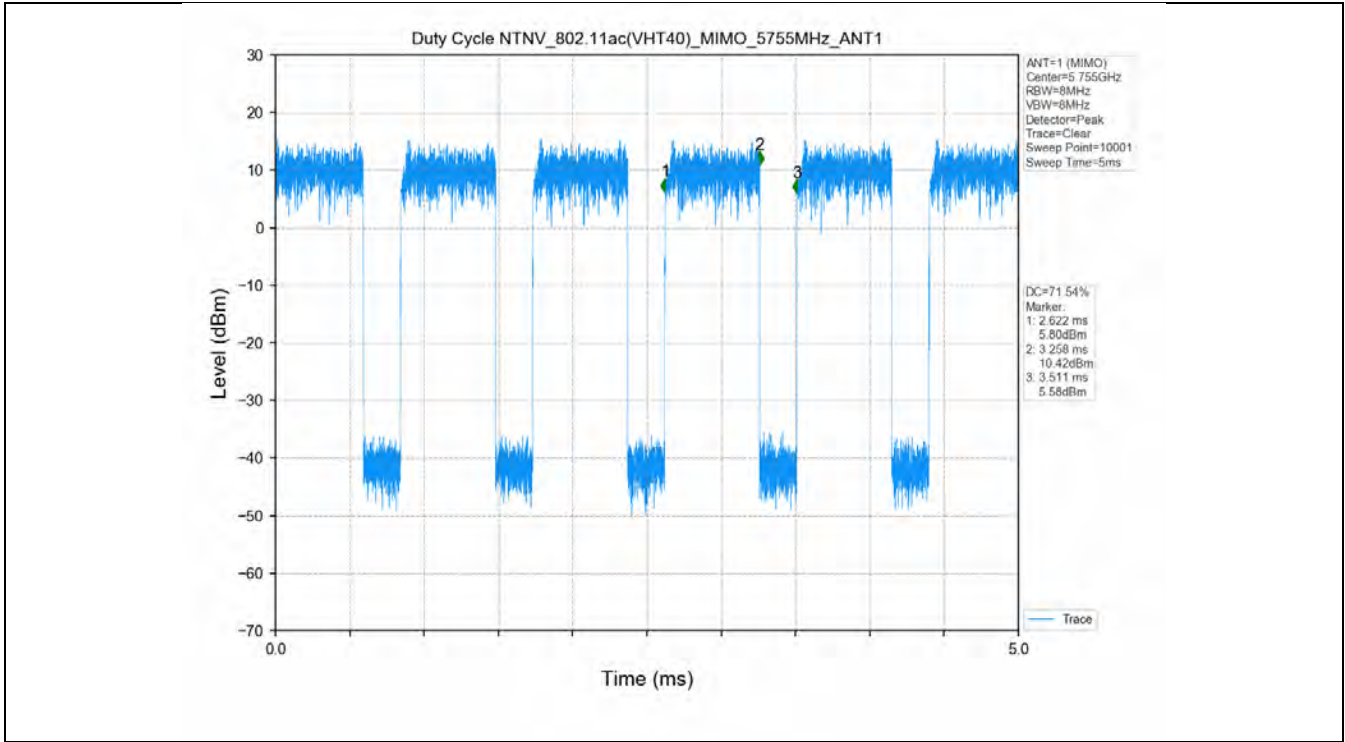
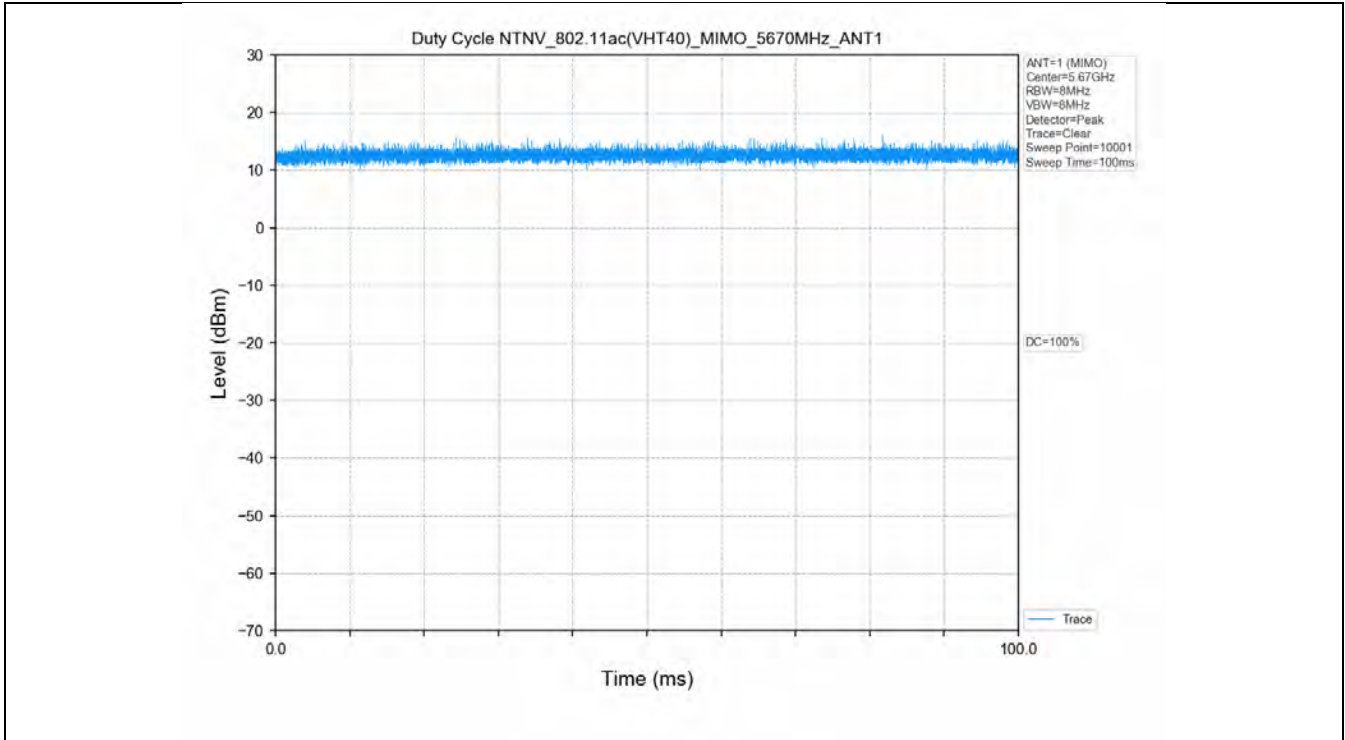


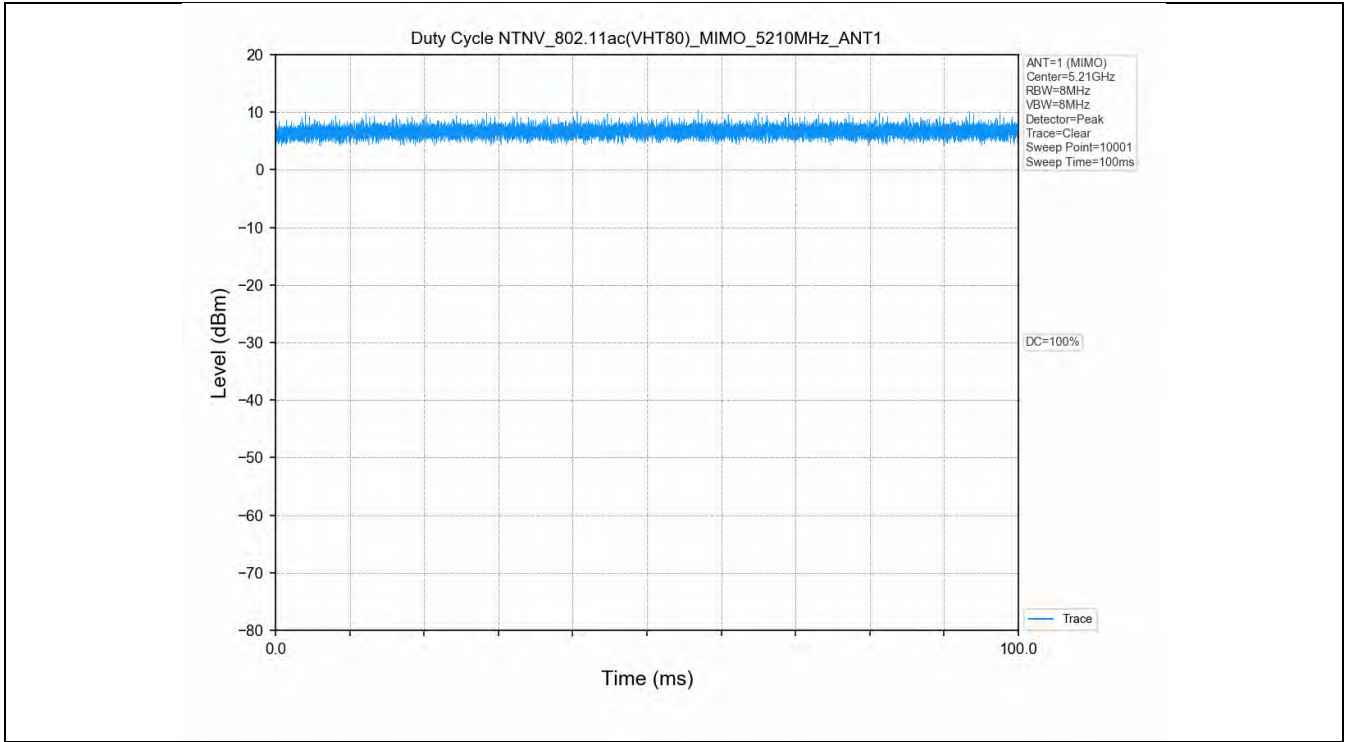
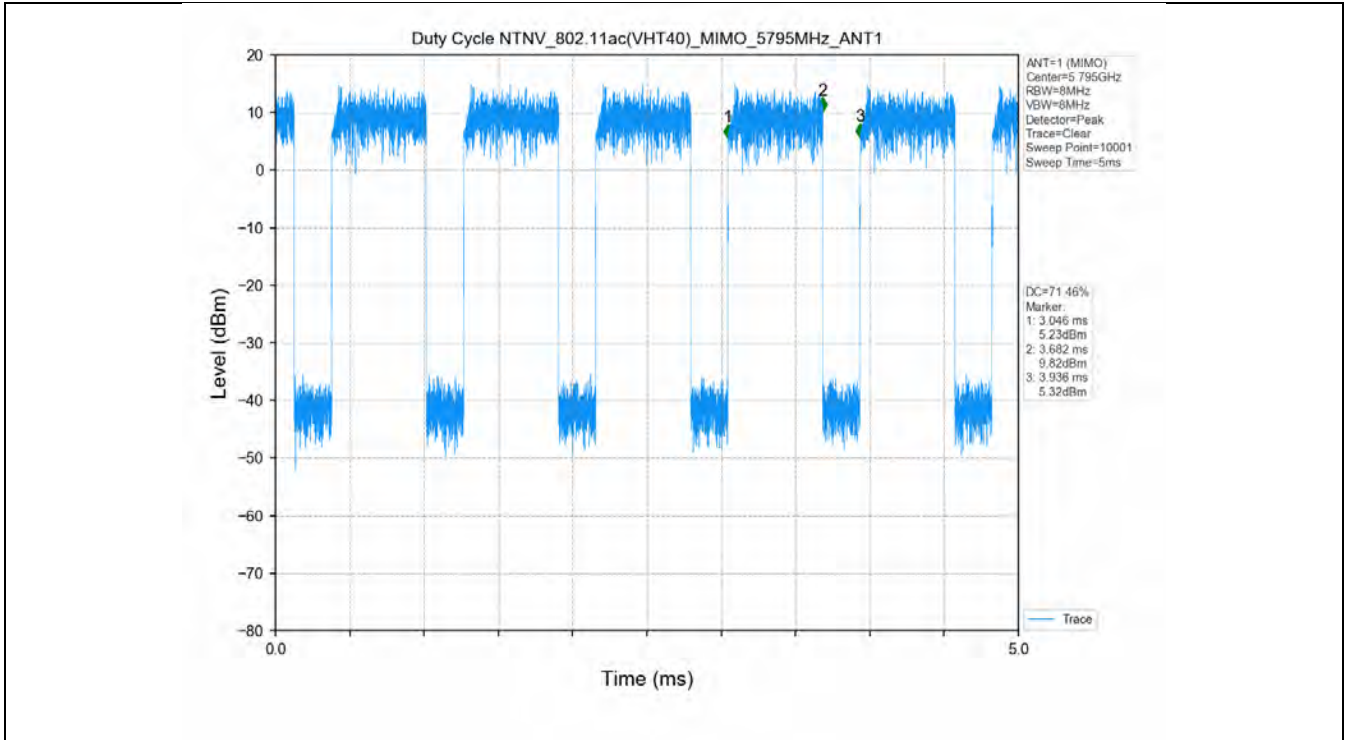


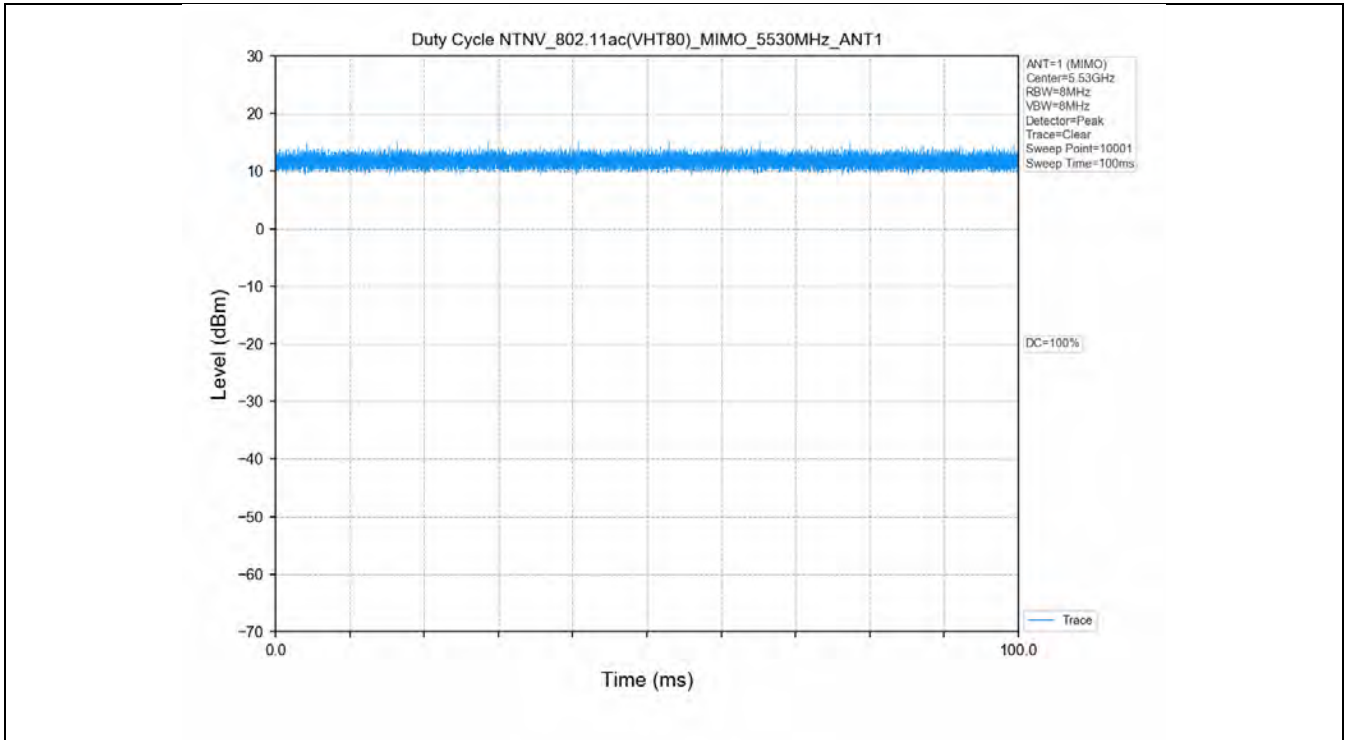
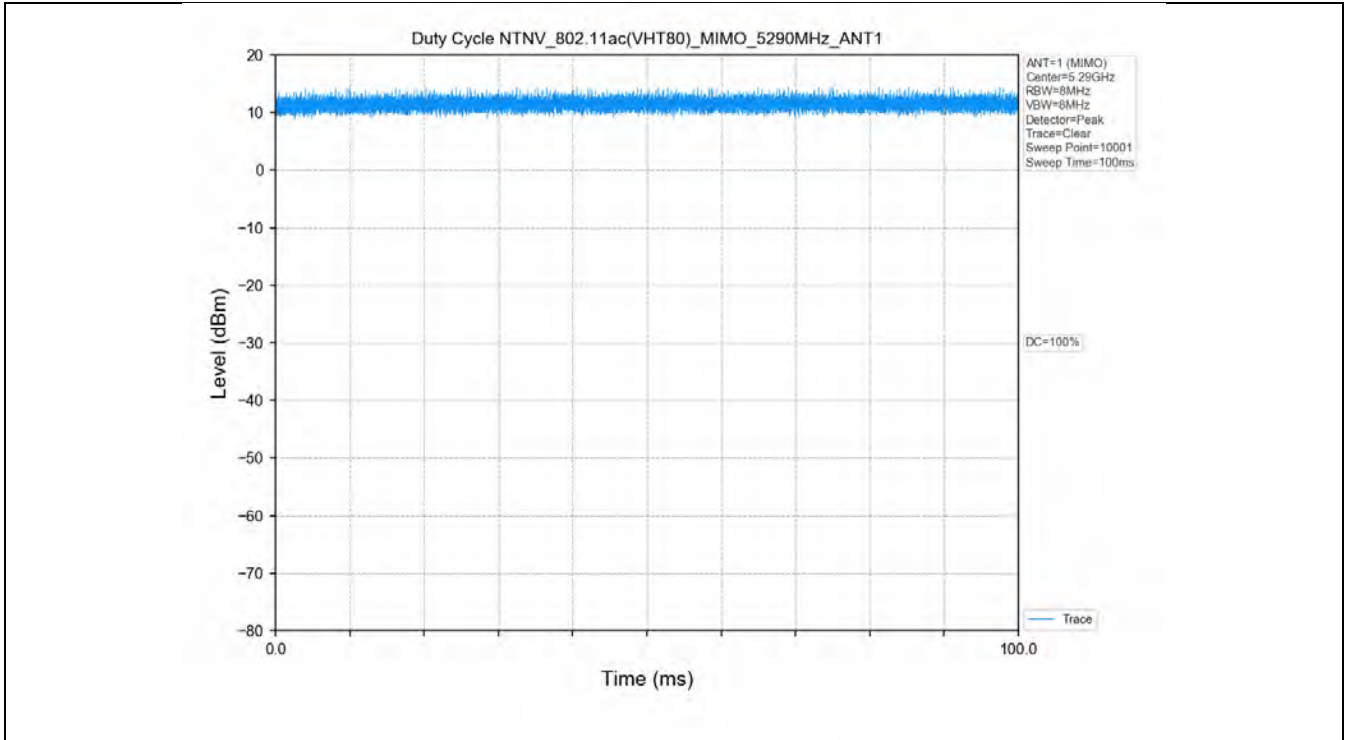


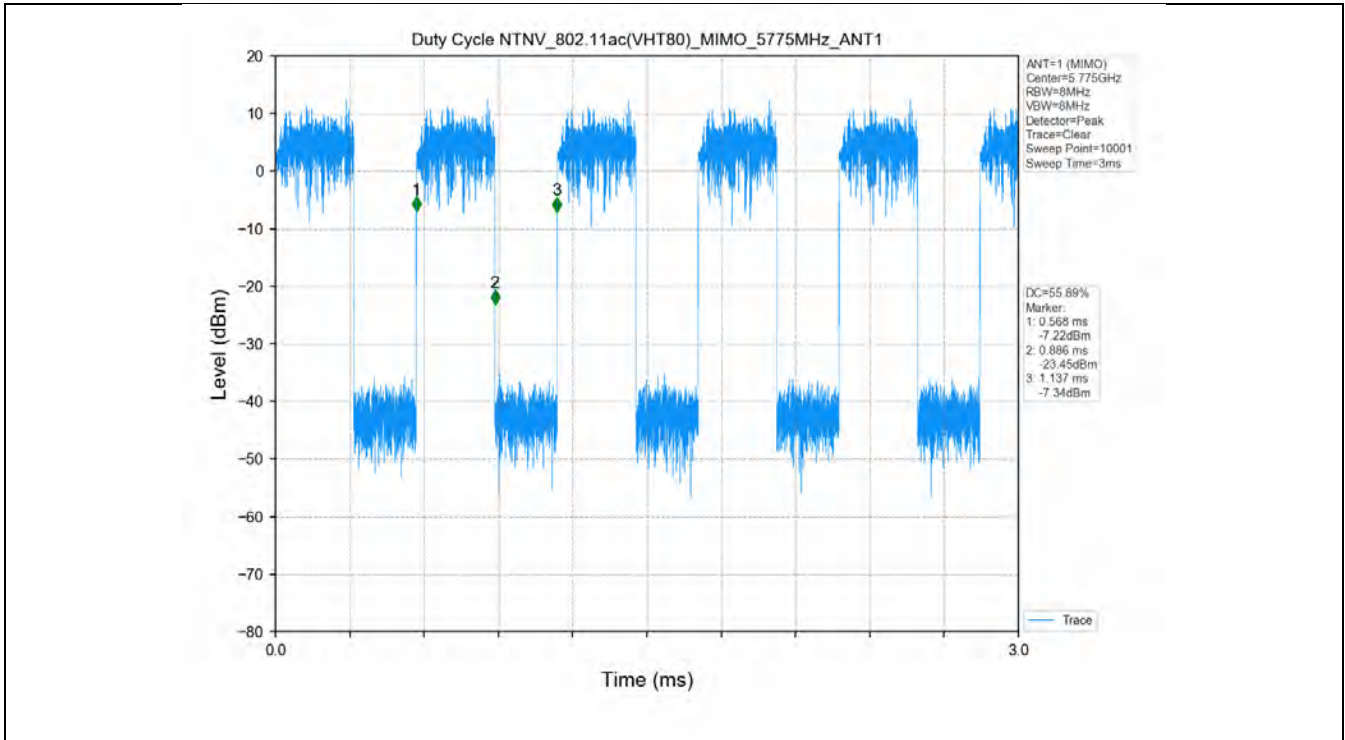
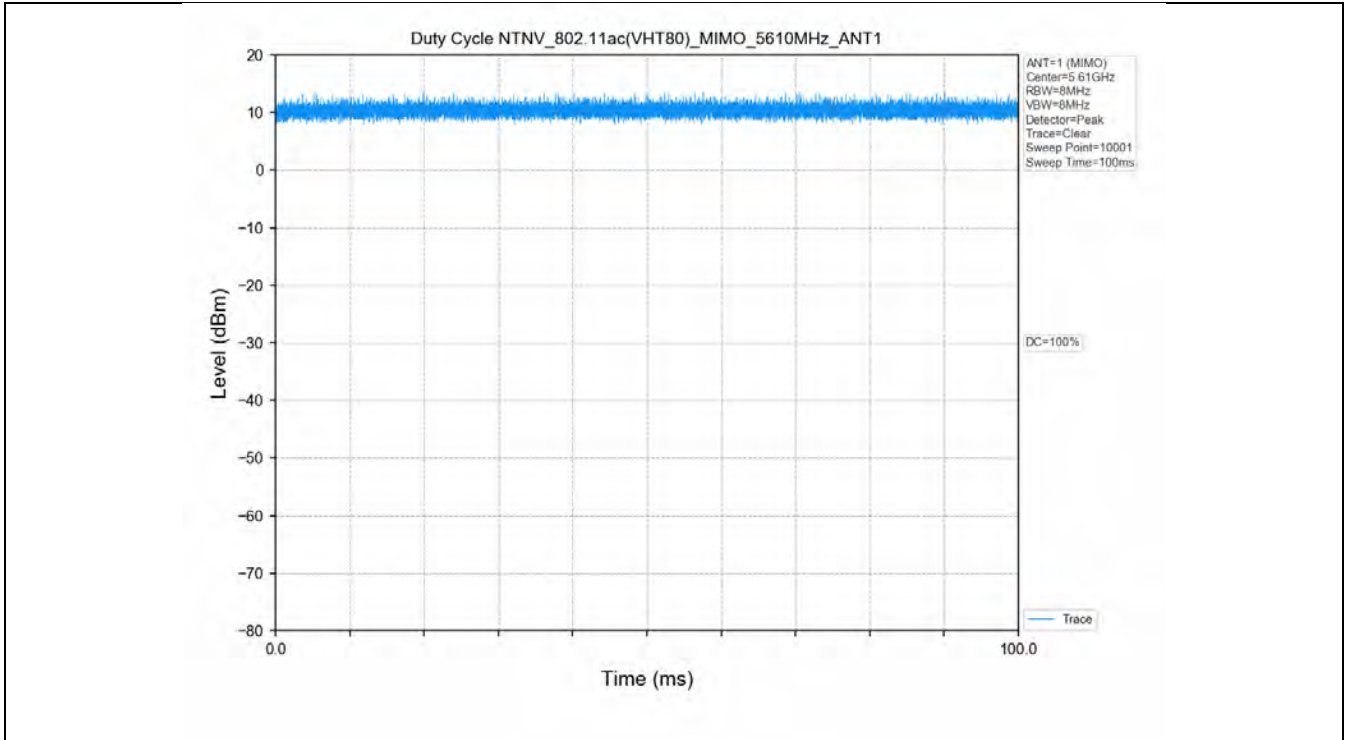












2. Bandwidth

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	19.883	Only for Report Use	PASS
			2	24.887	Only for Report Use	PASS
	5200	SISO	1	20.125	Only for Report Use	PASS
			2	24.599	Only for Report Use	PASS
	5240	SISO	1	19.729	Only for Report Use	PASS
			2	21.146	Only for Report Use	PASS
	5260	SISO	1	26.592	Only for Report Use	PASS
			2	35.285	Only for Report Use	PASS
	5300	SISO	1	29.242	Only for Report Use	PASS
			2	34.326	Only for Report Use	PASS
	5320	SISO	1	34.307	Only for Report Use	PASS
			2	35.42	Only for Report Use	PASS
	5500	SISO	1	35.661	Only for Report Use	PASS
			2	34.4	Only for Report Use	PASS
	5600	SISO	1	25.647	Only for Report Use	PASS
			2	34.132	Only for Report Use	PASS
	5700	SISO	1	25.302	Only for Report Use	PASS
			2	34.206	Only for Report Use	PASS
5745	SISO	1	16.425	≥0.5	PASS	
		2	16.388	≥0.5	PASS	
5785	SISO	1	16.363	≥0.5	PASS	
		2	16.388	≥0.5	PASS	
5825	SISO	1	16.361	≥0.5	PASS	
		2	16.405	≥0.5	PASS	
802.11n(HT20)	5180	MIMO	1	20.614	Only for Report Use	PASS
			2	21.119	Only for Report Use	PASS
	5200	MIMO	1	20.629	Only for Report Use	PASS
			2	21.575	Only for Report Use	PASS
	5240	MIMO	1	20.677	Only for Report Use	PASS
			2	21.472	Only for Report Use	PASS
	5260	MIMO	1	26.482	Only for Report Use	PASS
			2	39.997	Only for Report Use	PASS
	5300	MIMO	1	27.384	Only for Report Use	PASS
			2	37.897	Only for Report Use	PASS
	5320	MIMO	1	29.688	Only for Report Use	PASS
			2	41.311	Only for Report Use	PASS
	5500	MIMO	1	39.197	Only for Report Use	PASS
			2	39.419	Only for Report Use	PASS
	5600	MIMO	1	30.294	Only for Report Use	PASS
			2	34.028	Only for Report Use	PASS
	5700	MIMO	1	25.203	Only for Report Use	PASS
			2	33.188	Only for Report Use	PASS
5745	MIMO	1	17.603	≥0.5	PASS	
		2	17.62	≥0.5	PASS	
5785	MIMO	1	17.594	≥0.5	PASS	
		2	17.597	≥0.5	PASS	
5825	MIMO	1	17.606	≥0.5	PASS	
		2	17.585	≥0.5	PASS	
802.11n(HT40)	5190	MIMO	1	41.557	Only for Report Use	PASS
			2	52.631	Only for Report Use	PASS
	5230	MIMO	1	41.211	Only for Report Use	PASS
			2	43.079	Only for Report Use	PASS

	5270	MIMO	1	60.824	Only for Report Use	PASS	
			2	80.15	Only for Report Use	PASS	
	5310	MIMO	1	64.408	Only for Report Use	PASS	
			2	71.916	Only for Report Use	PASS	
	5510	MIMO	1	77.213	Only for Report Use	PASS	
			2	70.554	Only for Report Use	PASS	
	5590	MIMO	1	63.739	Only for Report Use	PASS	
			2	69.539	Only for Report Use	PASS	
	5670	MIMO	1	62.507	Only for Report Use	PASS	
			2	84.16	Only for Report Use	PASS	
	802.11n(HT40)	5755	MIMO	1	35.572	≥0.5	PASS
				2	35.732	≥0.5	PASS
5795		MIMO	1	35.768	≥0.5	PASS	
			2	35.264	≥0.5	PASS	
802.11ac(VHT20)	5180	MIMO	1	20.78	Only for Report Use	PASS	
			2	21.4	Only for Report Use	PASS	
	5200	MIMO	1	20.918	Only for Report Use	PASS	
			2	21.607	Only for Report Use	PASS	
	5240	MIMO	1	20.804	Only for Report Use	PASS	
			2	21.562	Only for Report Use	PASS	
	5260	MIMO	1	22.953	Only for Report Use	PASS	
			2	41.808	Only for Report Use	PASS	
	5300	MIMO	1	31.575	Only for Report Use	PASS	
			2	37.006	Only for Report Use	PASS	
	5320	MIMO	1	33.225	Only for Report Use	PASS	
			2	42.45	Only for Report Use	PASS	
	5500	MIMO	1	38.477	Only for Report Use	PASS	
			2	35.536	Only for Report Use	PASS	
	5600	MIMO	1	29.13	Only for Report Use	PASS	
			2	40.224	Only for Report Use	PASS	
	5700	MIMO	1	23.045	Only for Report Use	PASS	
			2	35.572	Only for Report Use	PASS	
	5745	MIMO	1	17.605	≥0.5	PASS	
			2	17.572	≥0.5	PASS	
5785	MIMO	1	17.171	≥0.5	PASS		
		2	17.59	≥0.5	PASS		
5825	MIMO	1	17.602	≥0.5	PASS		
		2	17.616	≥0.5	PASS		
802.11ac(VHT40)	5190	MIMO	1	41.92	Only for Report Use	PASS	
			2	47.404	Only for Report Use	PASS	
	5230	MIMO	1	41.491	Only for Report Use	PASS	
			2	43.626	Only for Report Use	PASS	
	5270	MIMO	1	42.644	Only for Report Use	PASS	
			2	46.211	Only for Report Use	PASS	
	5310	MIMO	1	41.178	Only for Report Use	PASS	
			2	42.001	Only for Report Use	PASS	
	5510	MIMO	1	79.732	Only for Report Use	PASS	
			2	77.989	Only for Report Use	PASS	
	5590	MIMO	1	61.793	Only for Report Use	PASS	
			2	71.399	Only for Report Use	PASS	
	5670	MIMO	1	65.526	Only for Report Use	PASS	
			2	79.732	Only for Report Use	PASS	
	5755	MIMO	1	35.248	≥0.5	PASS	
			2	35.367	≥0.5	PASS	
5795	MIMO	1	35.484	≥0.5	PASS		
		2	35.452	≥0.5	PASS		
802.11ac(VHT80)	5210	MIMO	1	82.472	Only for Report Use	PASS	

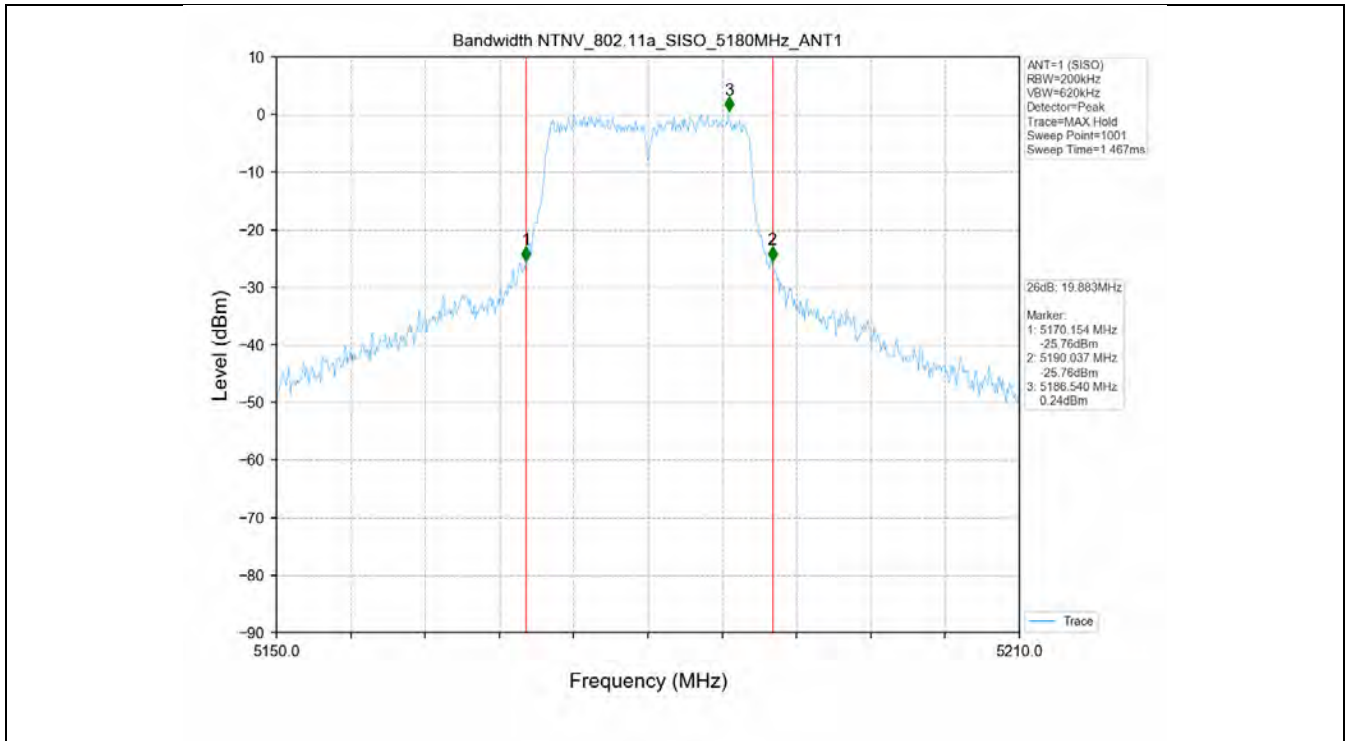
		2	82.932	Only for Report Use	PASS
5290	MIMO	1	109.739	Only for Report Use	PASS
		2	156.106	Only for Report Use	PASS
5530	MIMO	1	125.817	Only for Report Use	PASS
		2	155.905	Only for Report Use	PASS
5610	MIMO	1	122.208	Only for Report Use	PASS
		2	157.315	Only for Report Use	PASS
5775	MIMO	1	75.046	≥0.5	PASS
		2	75.437	≥0.5	PASS

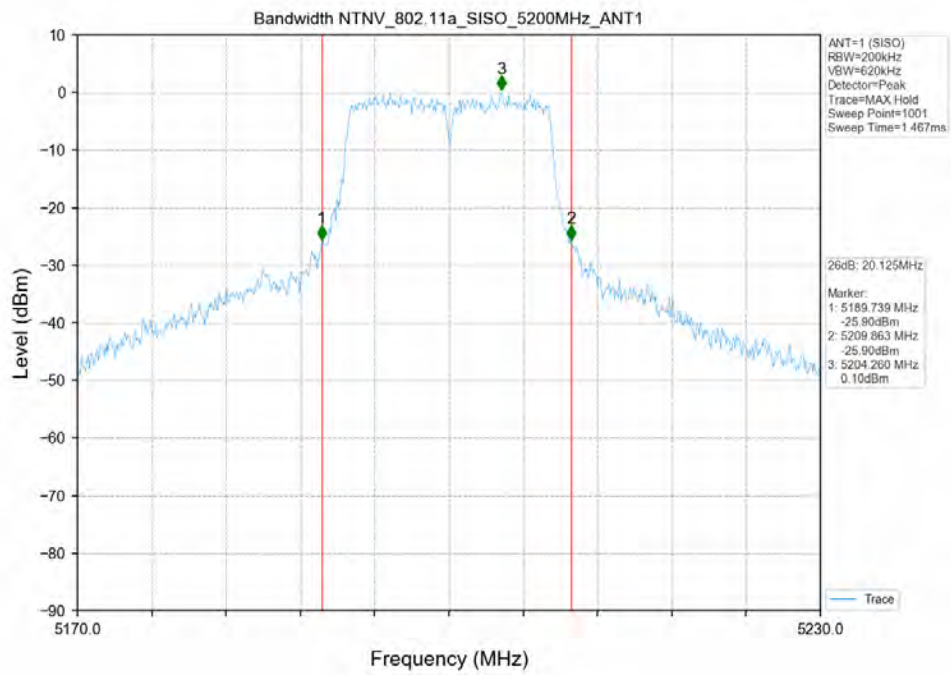
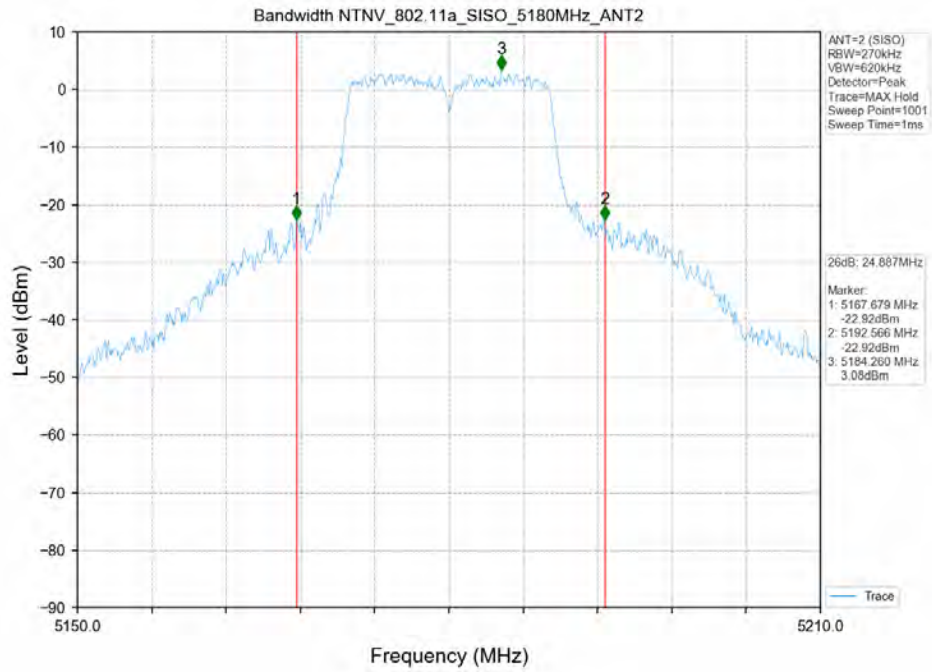
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.665	Only for Report Use
			2	16.73	Only for Report Use
	5200	SISO	1	16.65	Only for Report Use
			2	16.7	Only for Report Use
	5240	SISO	1	16.644	Only for Report Use
			2	16.677	Only for Report Use
	5260	SISO	1	16.888	Only for Report Use
			2	18.163	Only for Report Use
	5300	SISO	1	16.951	Only for Report Use
			2	17.111	Only for Report Use
	5320	SISO	1	17.301	Only for Report Use
			2	18.027	Only for Report Use
	5500	SISO	1	19.758	Only for Report Use
			2	17.163	Only for Report Use
	5600	SISO	1	16.959	Only for Report Use
			2	17.104	Only for Report Use
	5700	SISO	1	16.827	Only for Report Use
			2	17.008	Only for Report Use
	5745	SISO	1	16.43	Only for Report Use
			2	16.482	Only for Report Use
5785	SISO	1	16.446	Only for Report Use	
		2	16.464	Only for Report Use	
5825	SISO	1	16.427	Only for Report Use	
		2	16.428	Only for Report Use	
802.11n(HT20)	5180	MIMO	1	17.655	Only for Report Use
			2	17.793	Only for Report Use
	5200	MIMO	1	17.647	Only for Report Use
			2	17.76	Only for Report Use
	5240	MIMO	1	17.685	Only for Report Use
			2	17.711	Only for Report Use
	5260	MIMO	1	17.817	Only for Report Use
			2	18.829	Only for Report Use
	5300	MIMO	1	17.947	Only for Report Use
			2	18.143	Only for Report Use
	5320	MIMO	1	17.957	Only for Report Use
			2	18.27	Only for Report Use
	5500	MIMO	1	19.029	Only for Report Use
			2	18.24	Only for Report Use
	5600	MIMO	1	17.861	Only for Report Use
			2	18.22	Only for Report Use
	5700	MIMO	1	17.765	Only for Report Use
			2	18.015	Only for Report Use
	5745	MIMO	1	17.608	Only for Report Use
			2	17.659	Only for Report Use
5785	MIMO	1	17.603	Only for Report Use	
		2	17.642	Only for Report Use	
5825	MIMO	1	17.595	Only for Report Use	
		2	17.622	Only for Report Use	
802.11n(HT40)	5190	MIMO	1	36.629	Only for Report Use
			2	37.08	Only for Report Use
	5230	MIMO	1	36.573	Only for Report Use
			2	36.866	Only for Report Use
	5270	MIMO	1	37.146	Only for Report Use
2			39.376	Only for Report Use	
5310	MIMO	1	37.286	Only for Report Use	

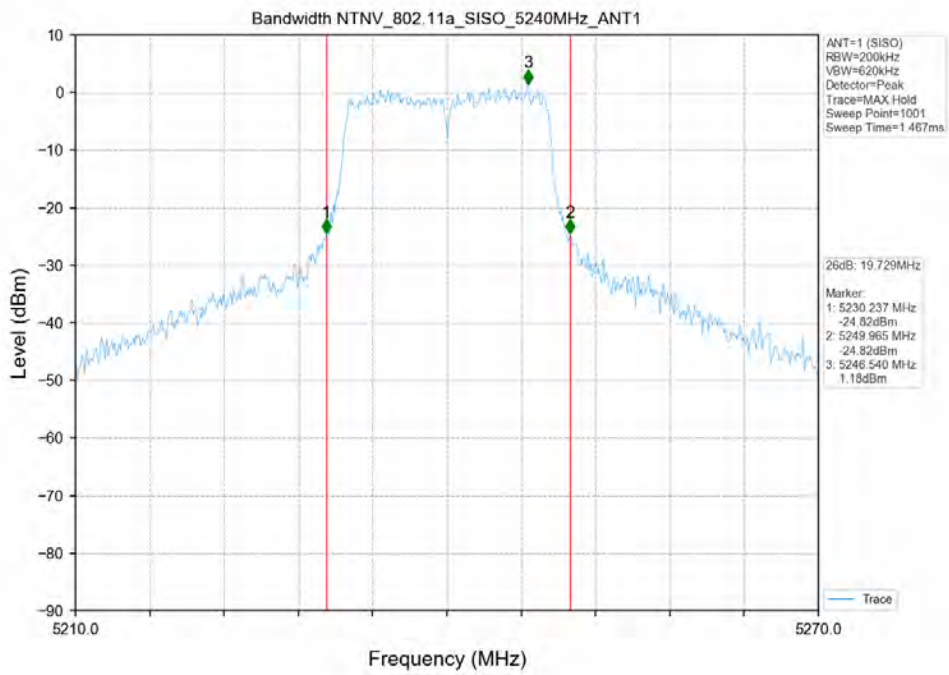
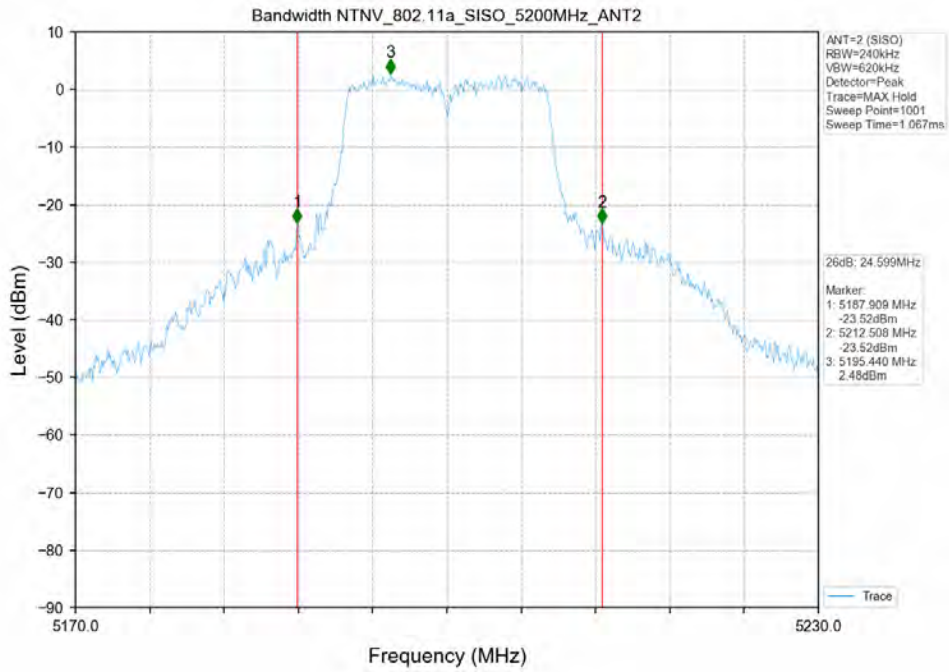
			2	38.058	Only for Report Use
	5510	MIMO	1	38.297	Only for Report Use
			2	37.656	Only for Report Use
	5590	MIMO	1	37.094	Only for Report Use
			2	37.665	Only for Report Use
	5670	MIMO	1	37.002	Only for Report Use
			2	37.938	Only for Report Use
	5755	MIMO	1	36.493	Only for Report Use
			2	36.734	Only for Report Use
	5795	MIMO	1	36.546	Only for Report Use
			2	36.872	Only for Report Use
802.11ac(VHT20)	5180	MIMO	1	17.635	Only for Report Use
			2	17.765	Only for Report Use
	5200	MIMO	1	17.651	Only for Report Use
			2	17.756	Only for Report Use
	5240	MIMO	1	17.643	Only for Report Use
			2	17.745	Only for Report Use
	5260	MIMO	1	17.874	Only for Report Use
			2	19.032	Only for Report Use
	5300	MIMO	1	17.919	Only for Report Use
			2	18.311	Only for Report Use
	5320	MIMO	1	17.974	Only for Report Use
			2	18.424	Only for Report Use
	5500	MIMO	1	19.014	Only for Report Use
			2	18.227	Only for Report Use
	5600	MIMO	1	17.819	Only for Report Use
			2	18.23	Only for Report Use
	5700	MIMO	1	17.85	Only for Report Use
			2	18.042	Only for Report Use
5745	MIMO	1	17.617	Only for Report Use	
		2	17.67	Only for Report Use	
5785	MIMO	1	17.612	Only for Report Use	
		2	17.655	Only for Report Use	
5825	MIMO	1	17.6	Only for Report Use	
		2	17.626	Only for Report Use	
802.11ac(VHT40)	5190	MIMO	1	36.575	Only for Report Use
			2	37.013	Only for Report Use
	5230	MIMO	1	36.573	Only for Report Use
			2	36.806	Only for Report Use
	5270	MIMO	1	36.578	Only for Report Use
			2	37.089	Only for Report Use
	5310	MIMO	1	36.59	Only for Report Use
			2	36.84	Only for Report Use
	5510	MIMO	1	38.145	Only for Report Use
			2	37.834	Only for Report Use
	5590	MIMO	1	37.103	Only for Report Use
			2	37.827	Only for Report Use
5670	MIMO	1	37.027	Only for Report Use	
		2	38.228	Only for Report Use	
5755	MIMO	1	36.342	Only for Report Use	
		2	36.564	Only for Report Use	
5795	MIMO	1	36.332	Only for Report Use	
		2	36.616	Only for Report Use	
802.11ac(VHT80)	5210	MIMO	1	75.319	Only for Report Use
			2	75.608	Only for Report Use
	5290	MIMO	1	75.946	Only for Report Use
			2	76.933	Only for Report Use

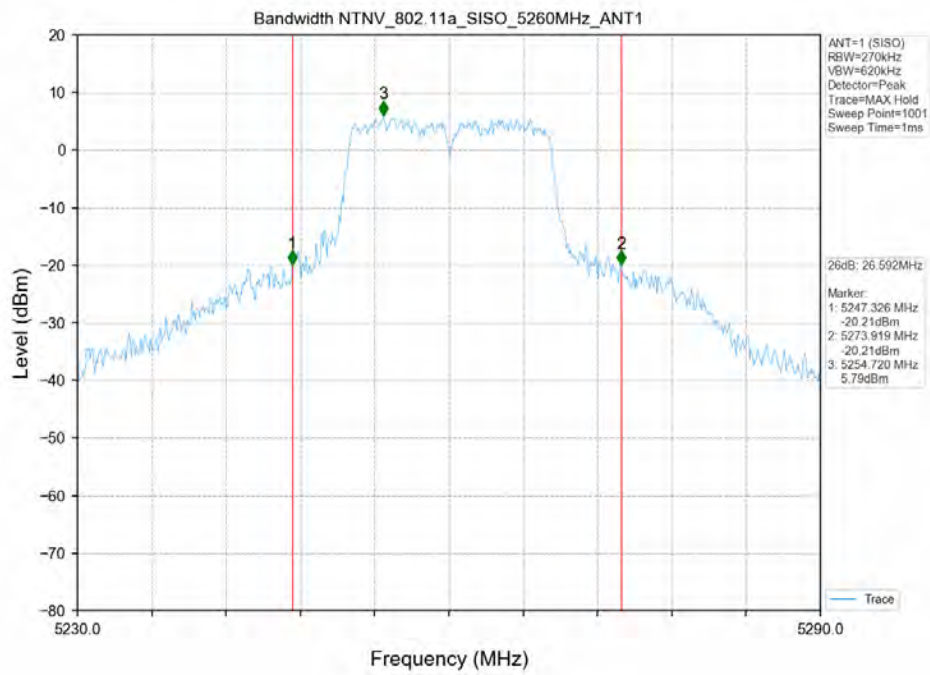
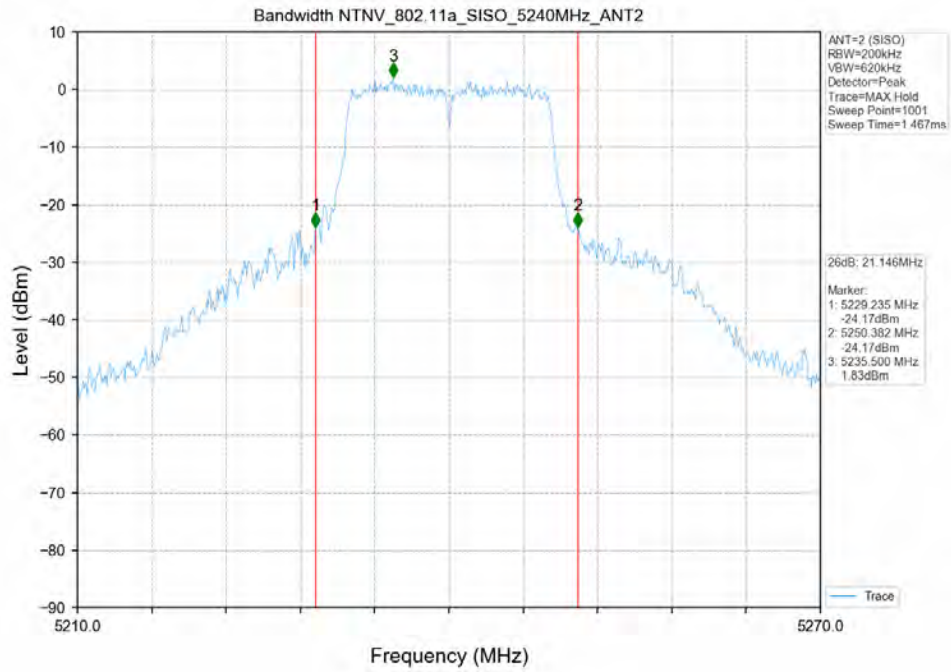
5530	MIMO	1	76.061	Only for Report Use
		2	77.285	Only for Report Use
5610	MIMO	1	75.733	Only for Report Use
		2	76.658	Only for Report Use
5775	MIMO	1	75.036	Only for Report Use
		2	75.862	Only for Report Use

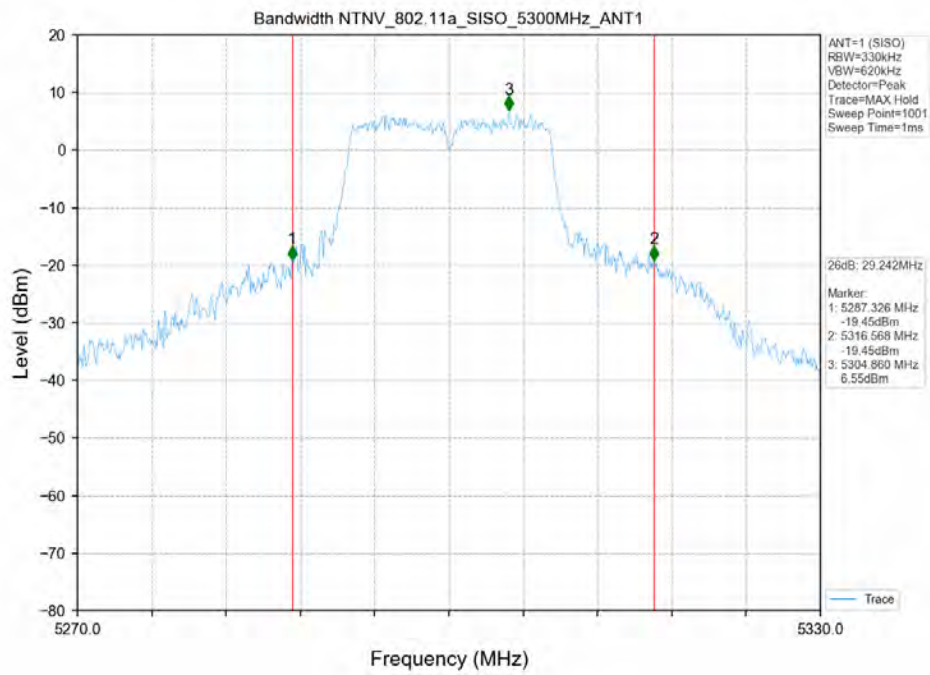
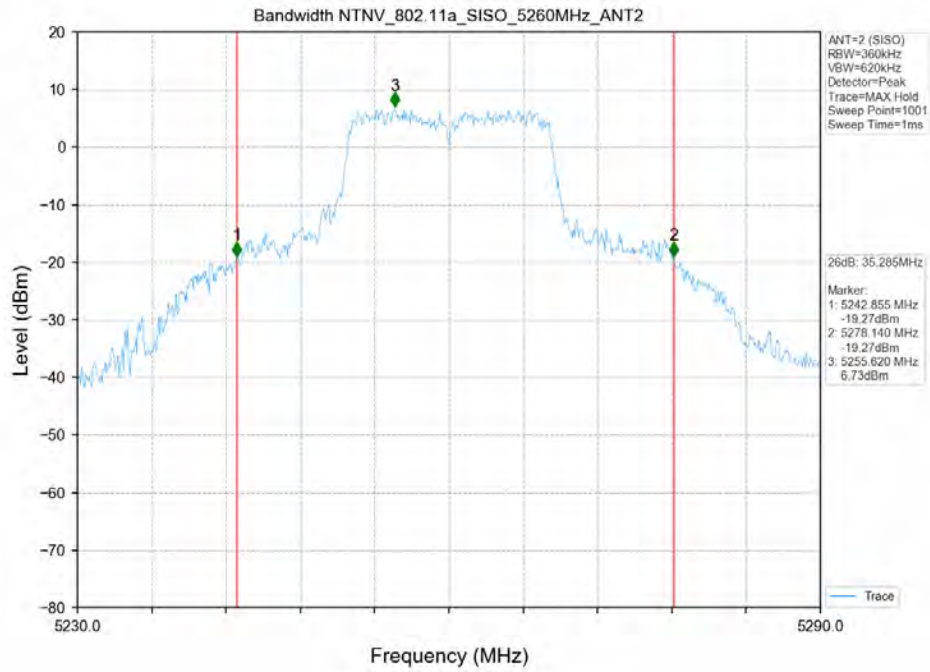
2.2 Test Graph - Emission Bandwidth

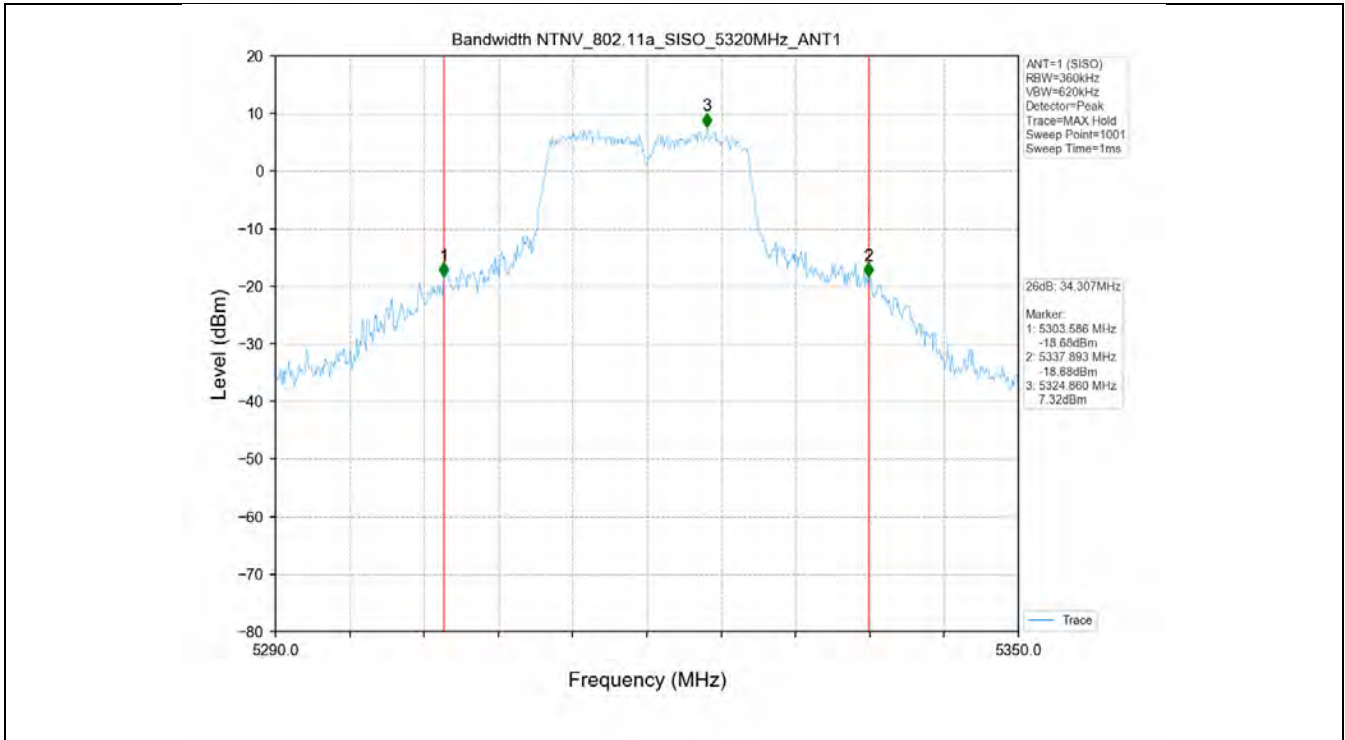
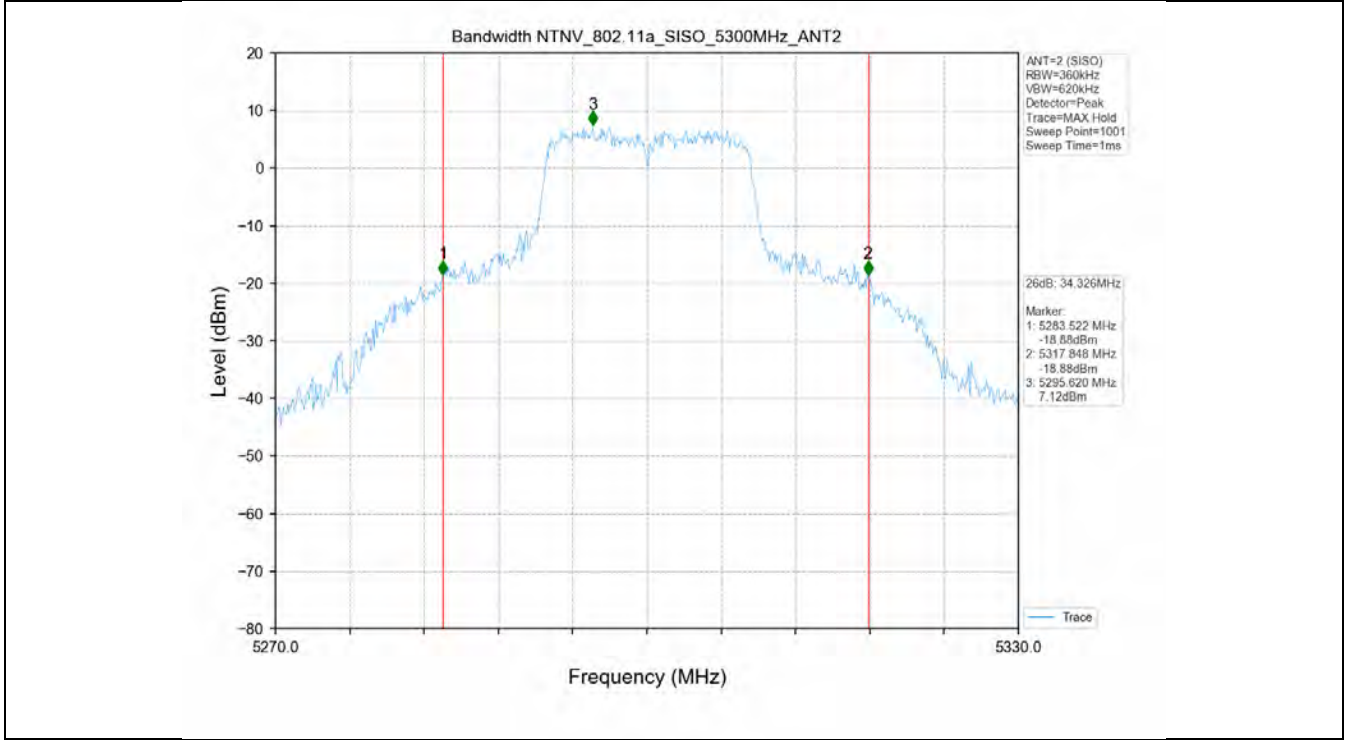


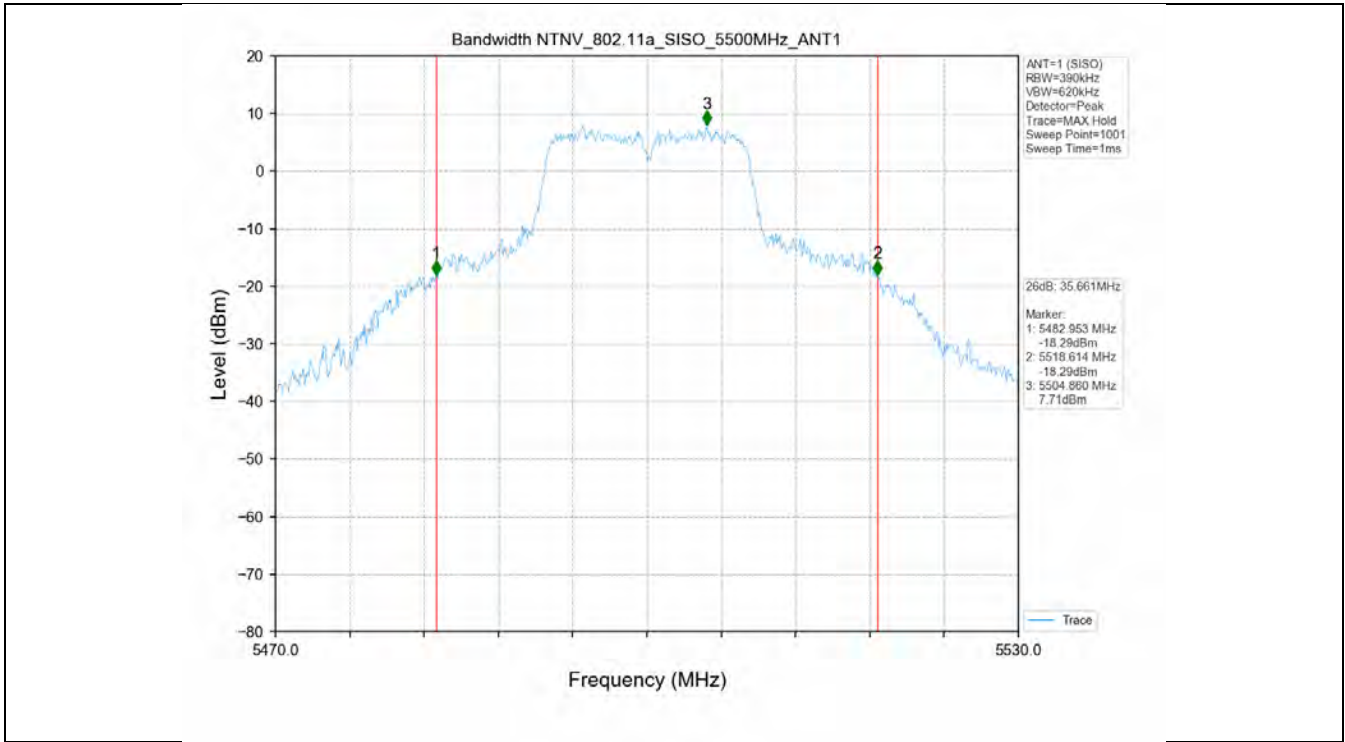
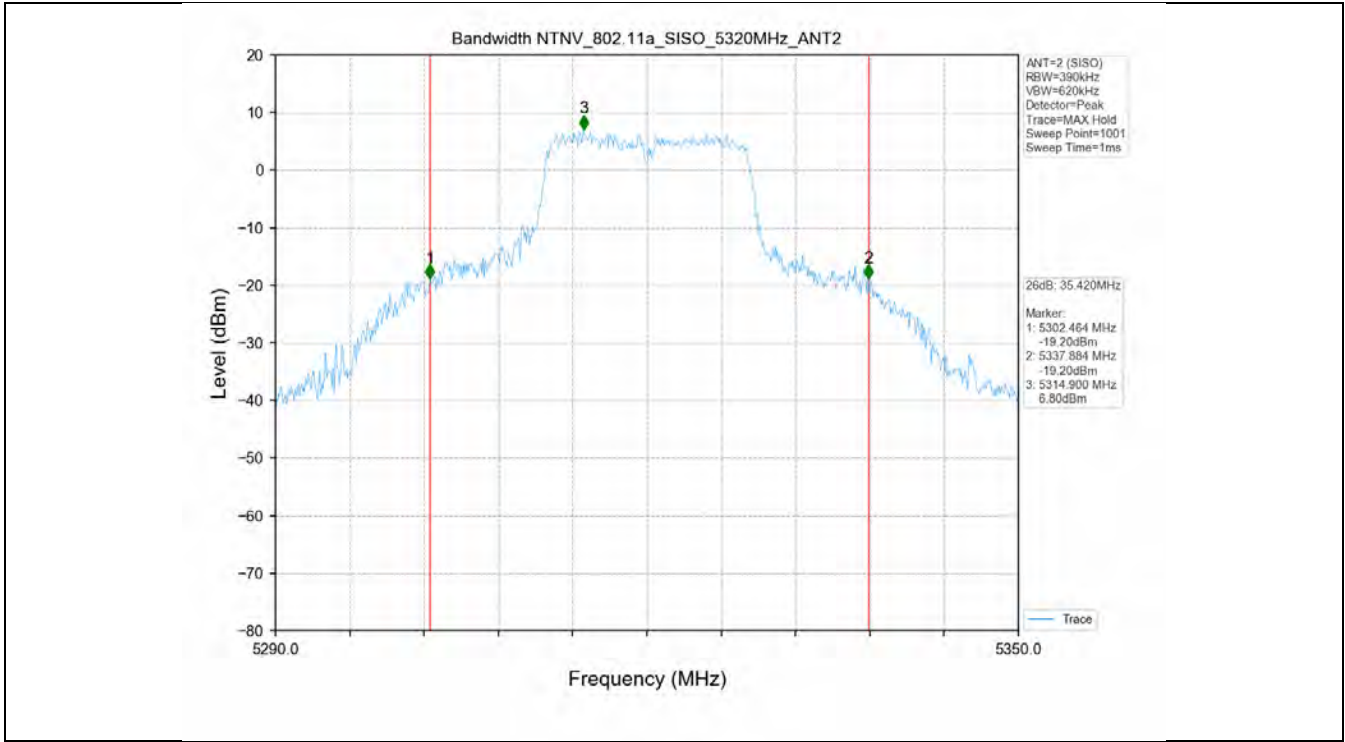


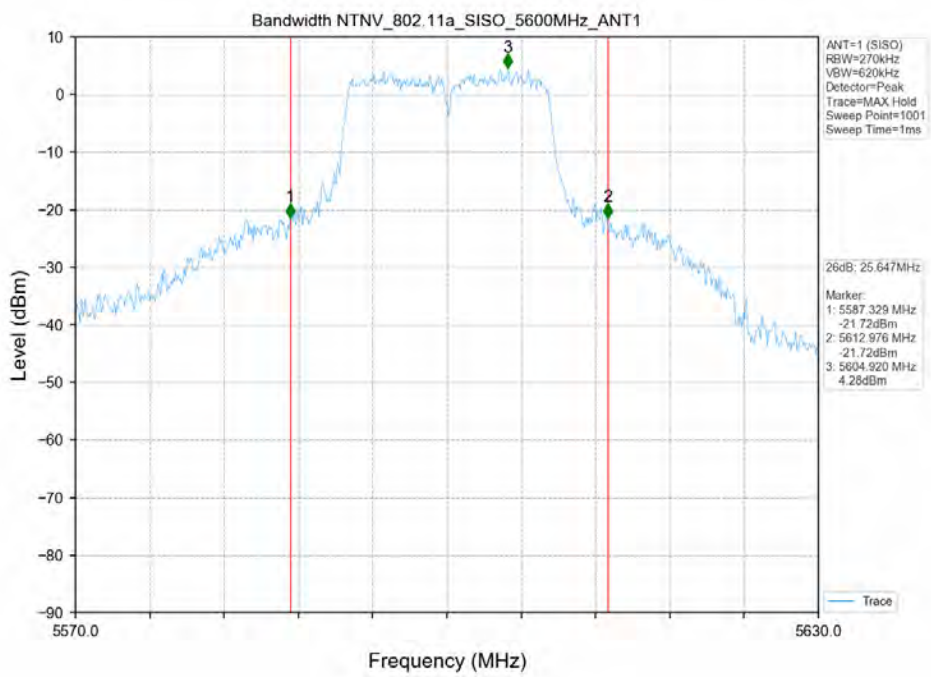
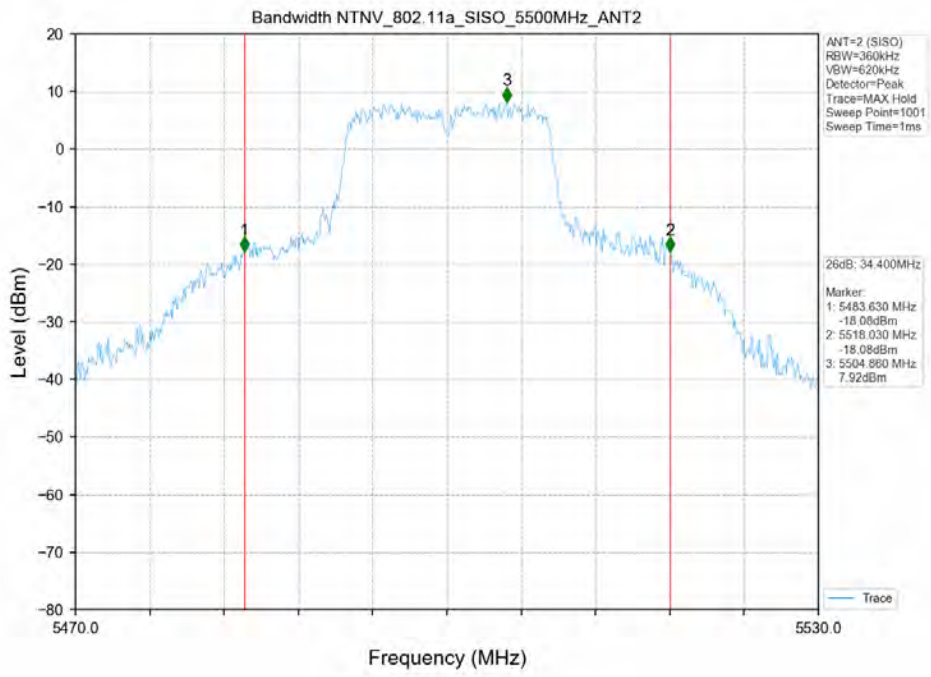


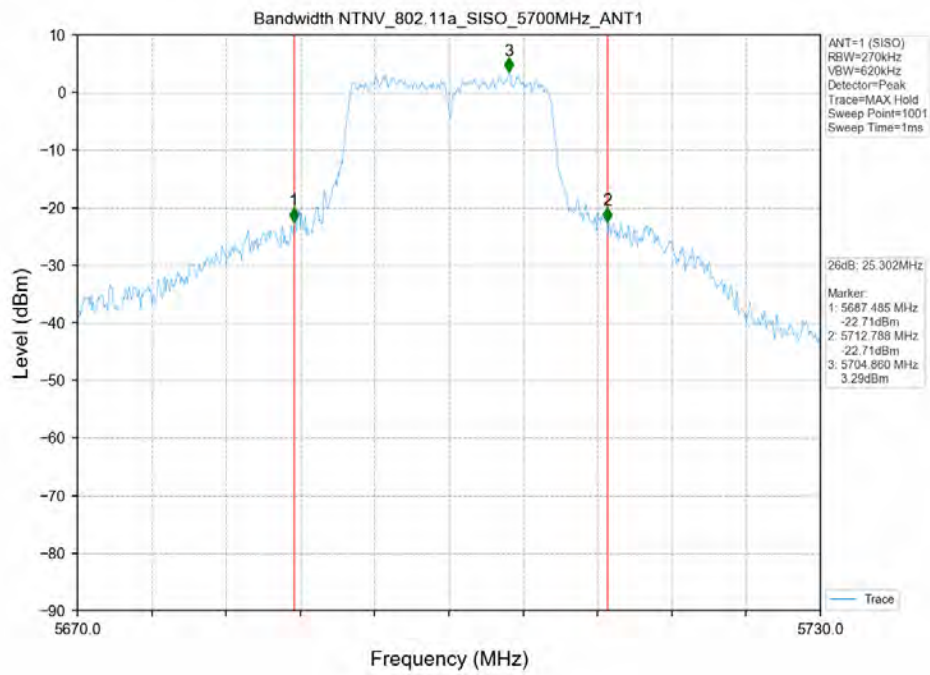
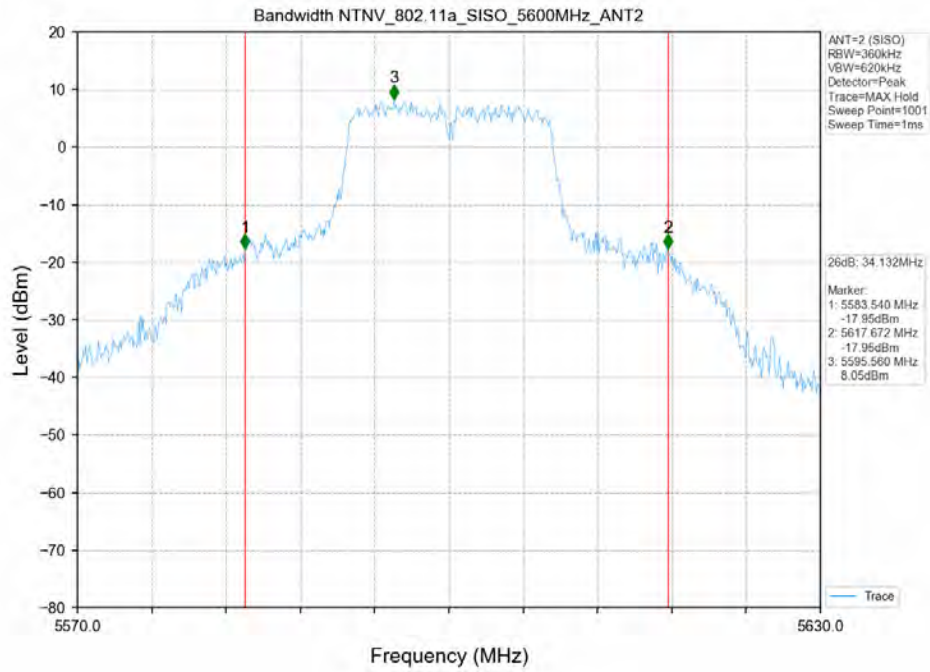


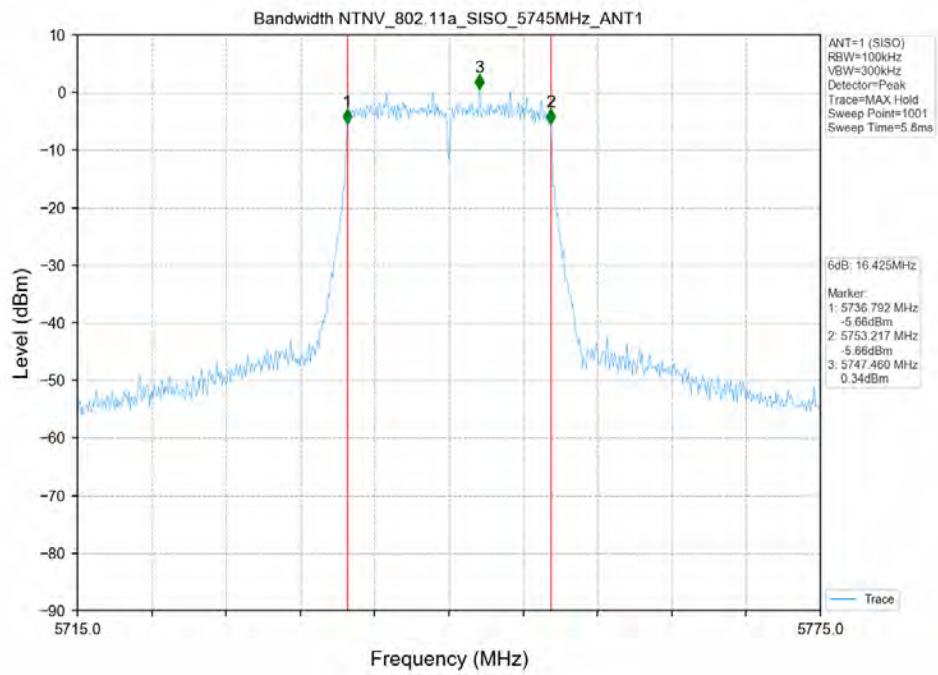
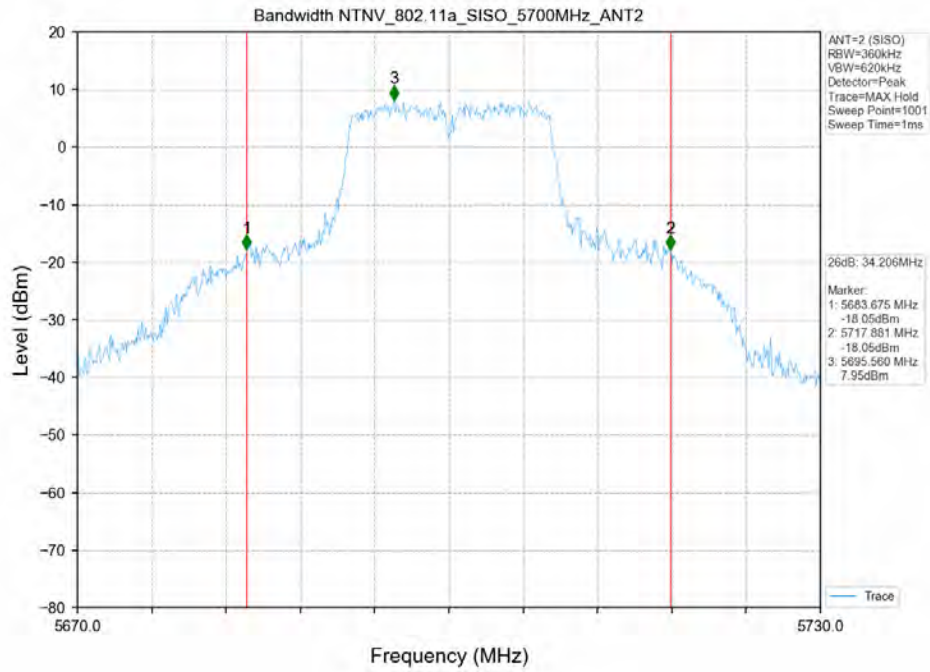


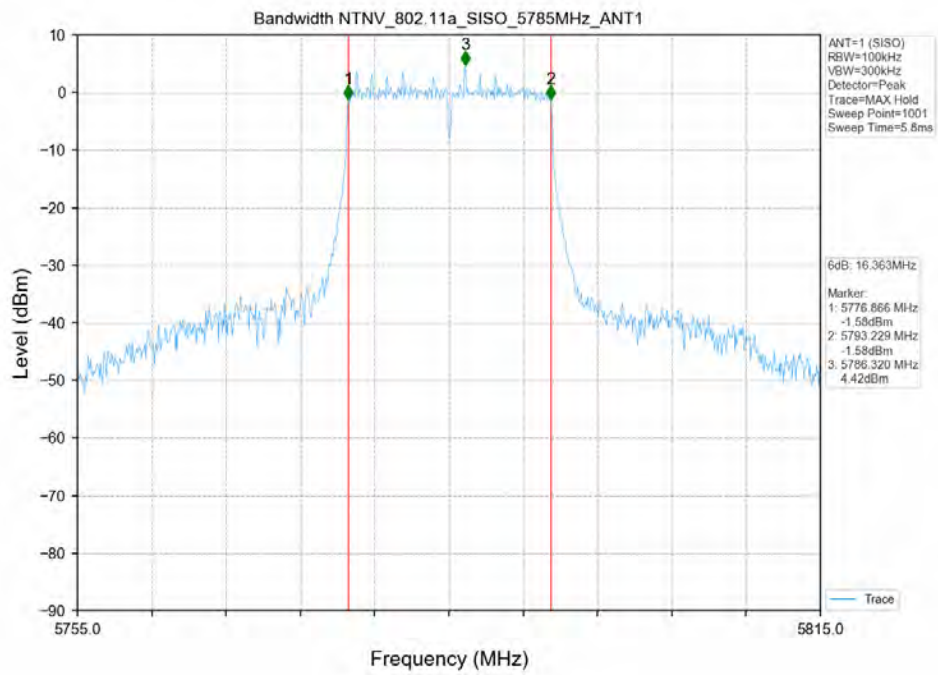
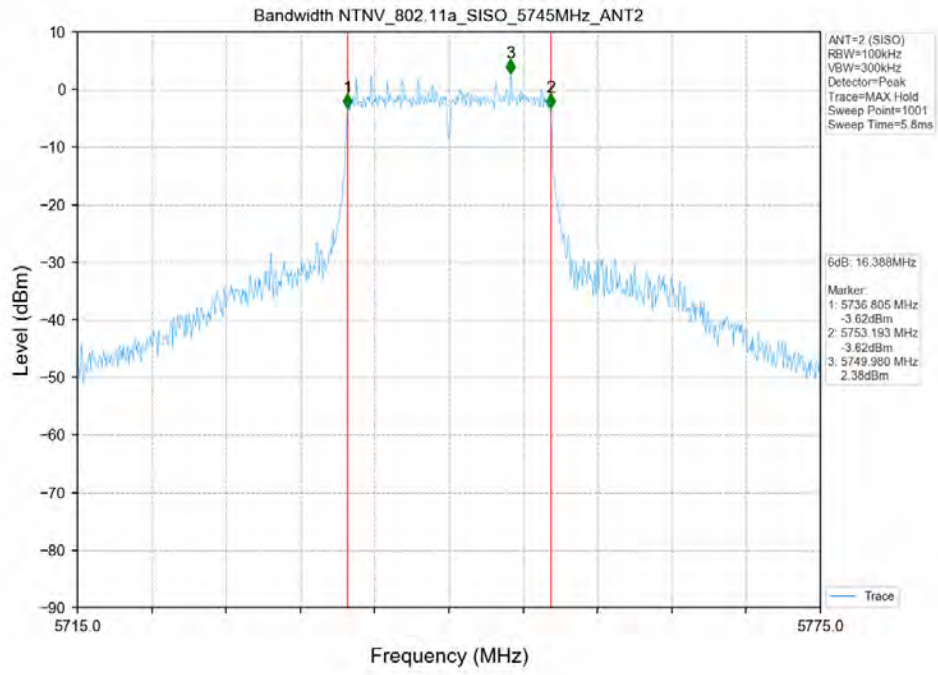


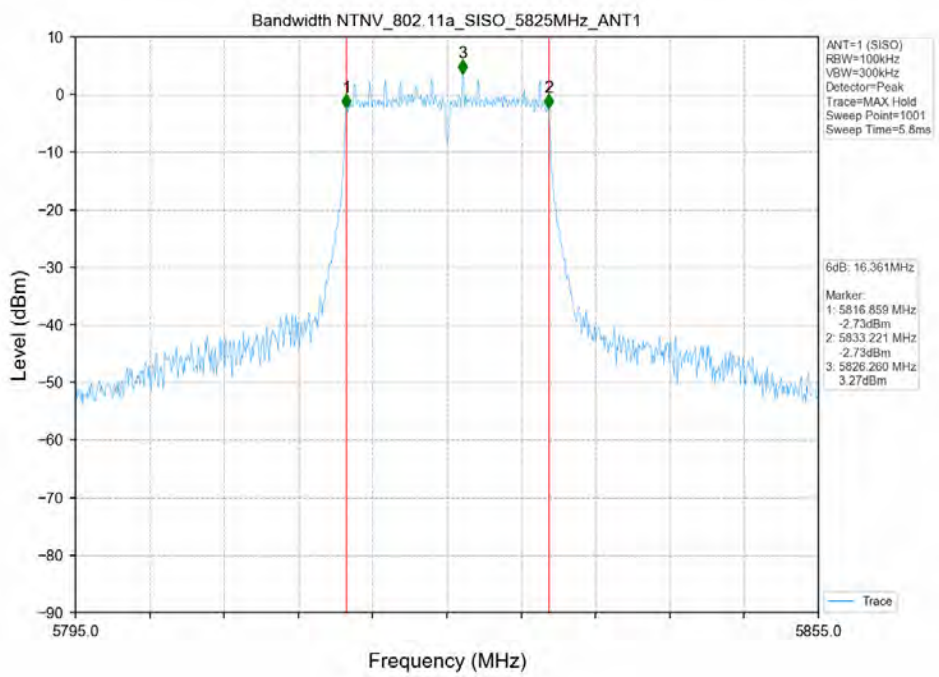
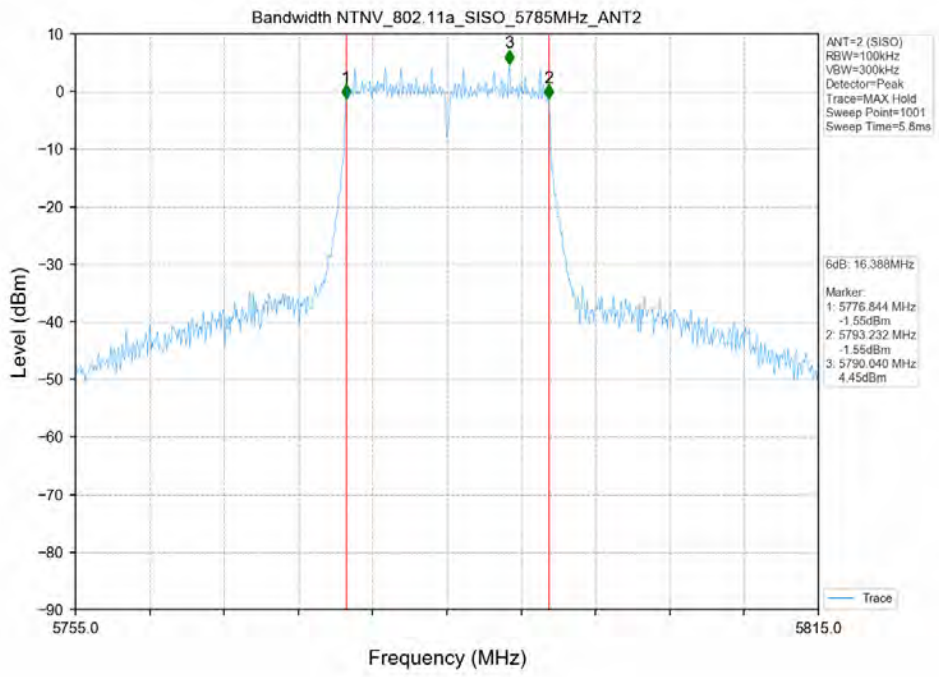


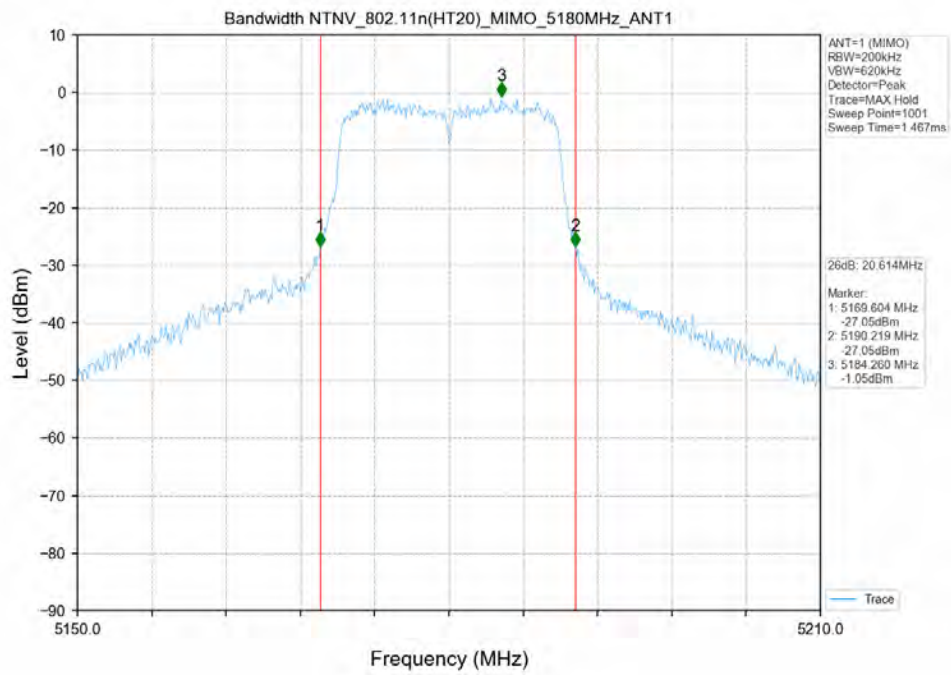
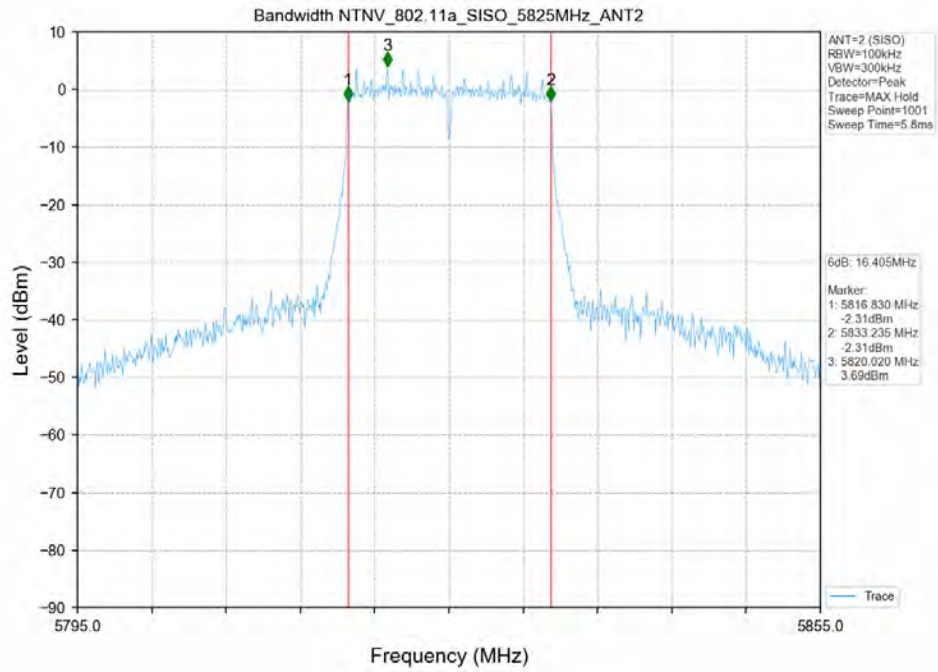


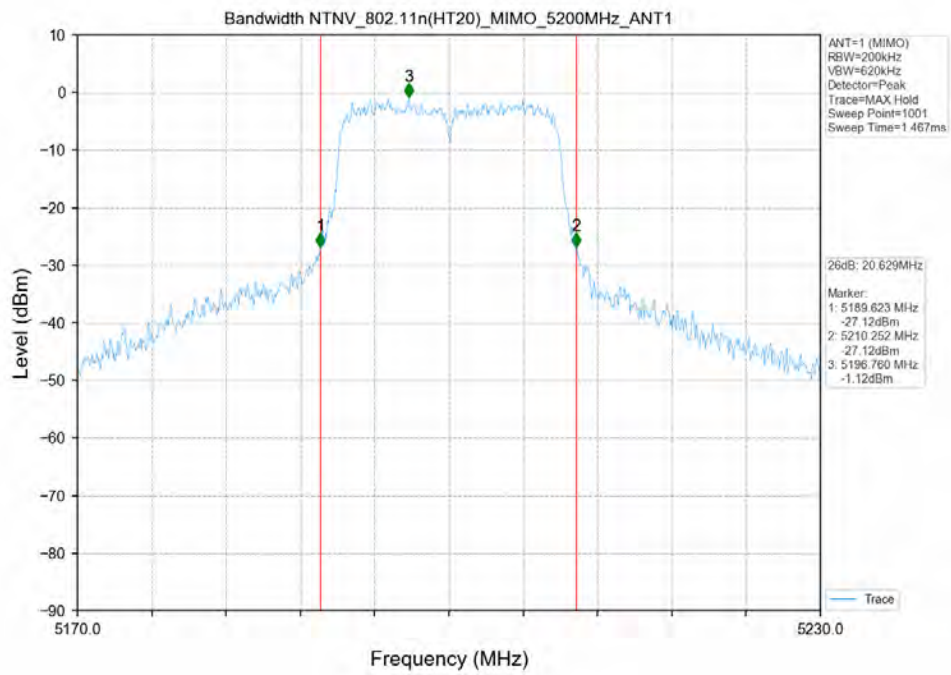
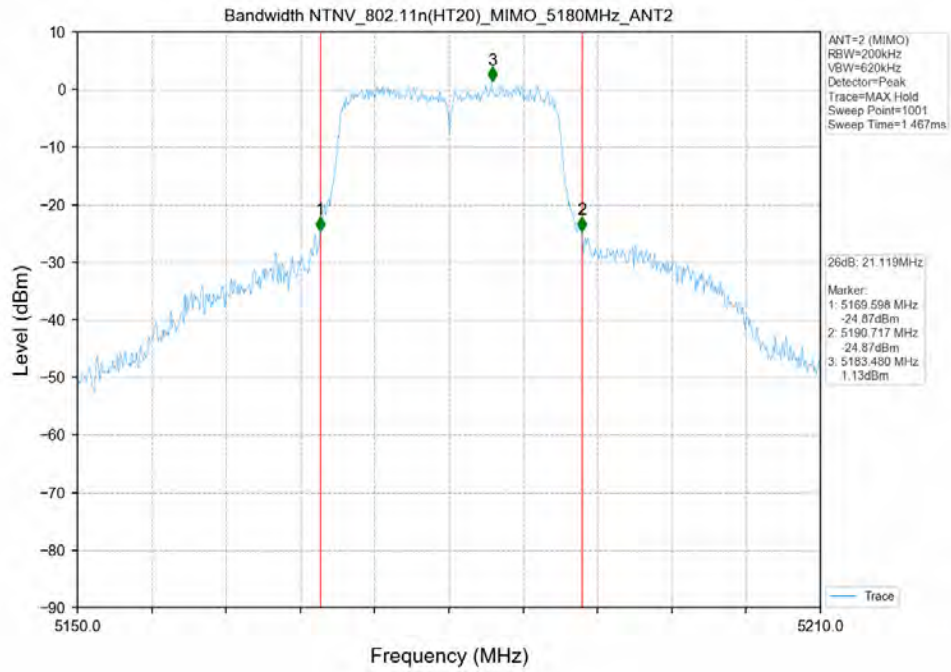


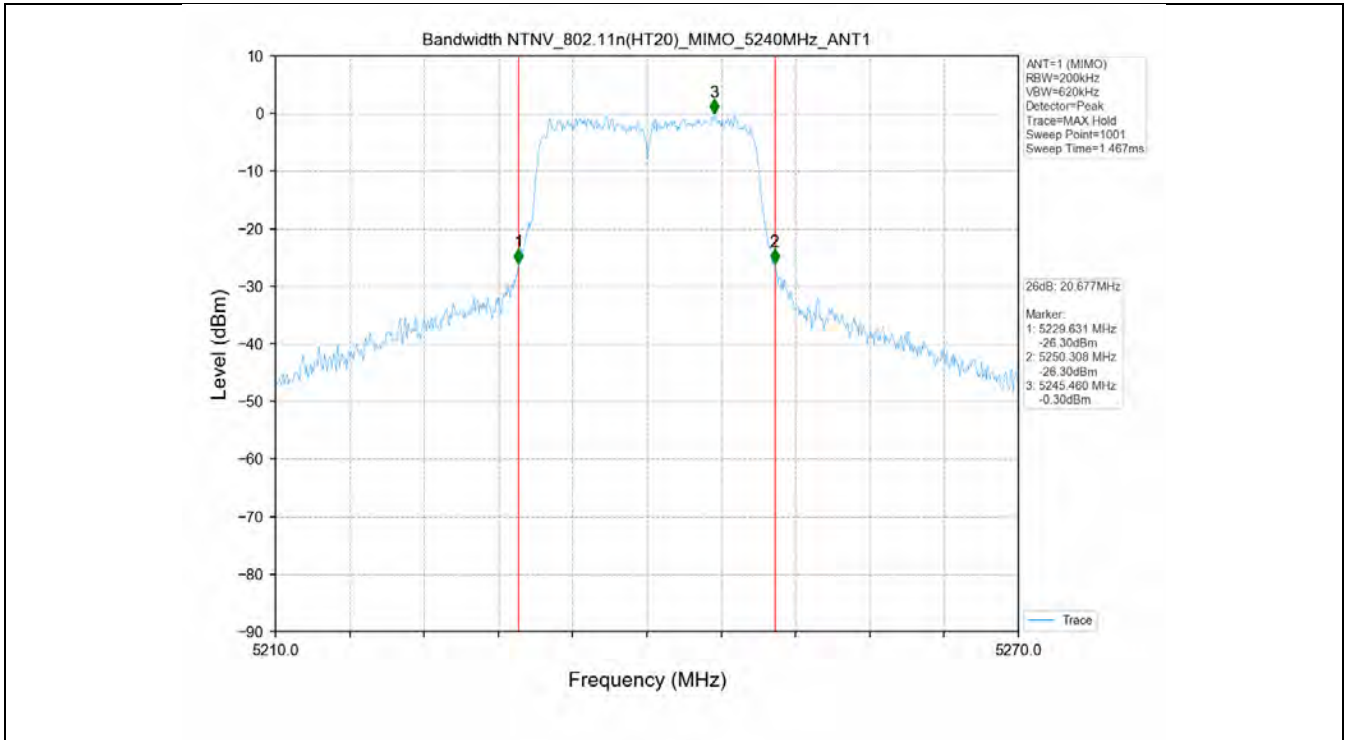
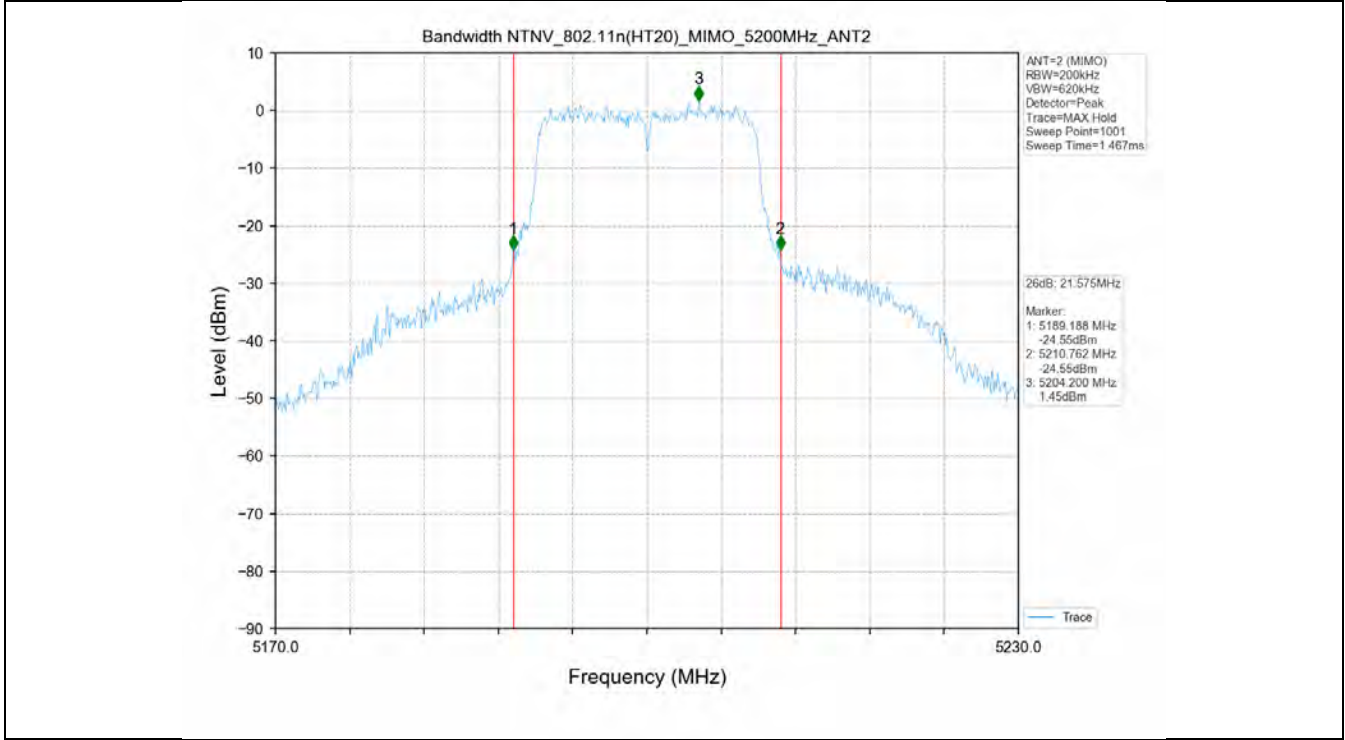


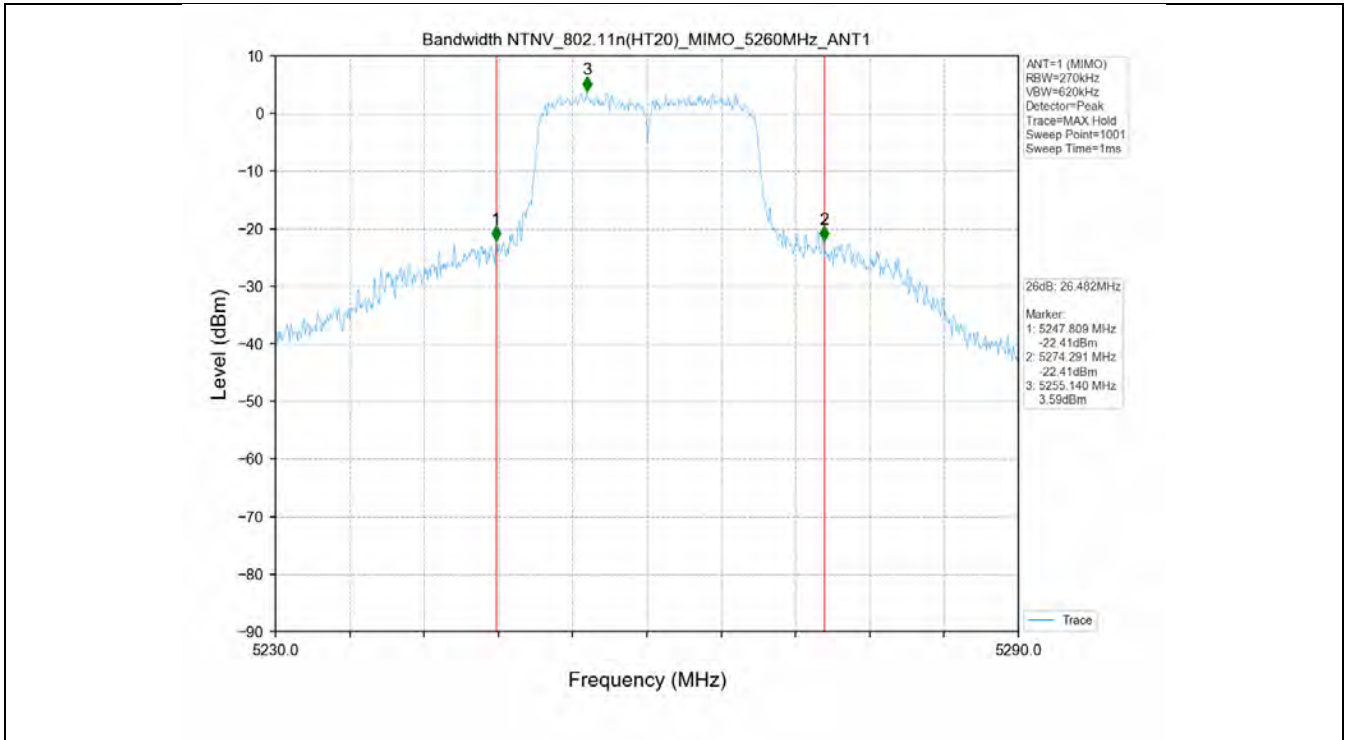
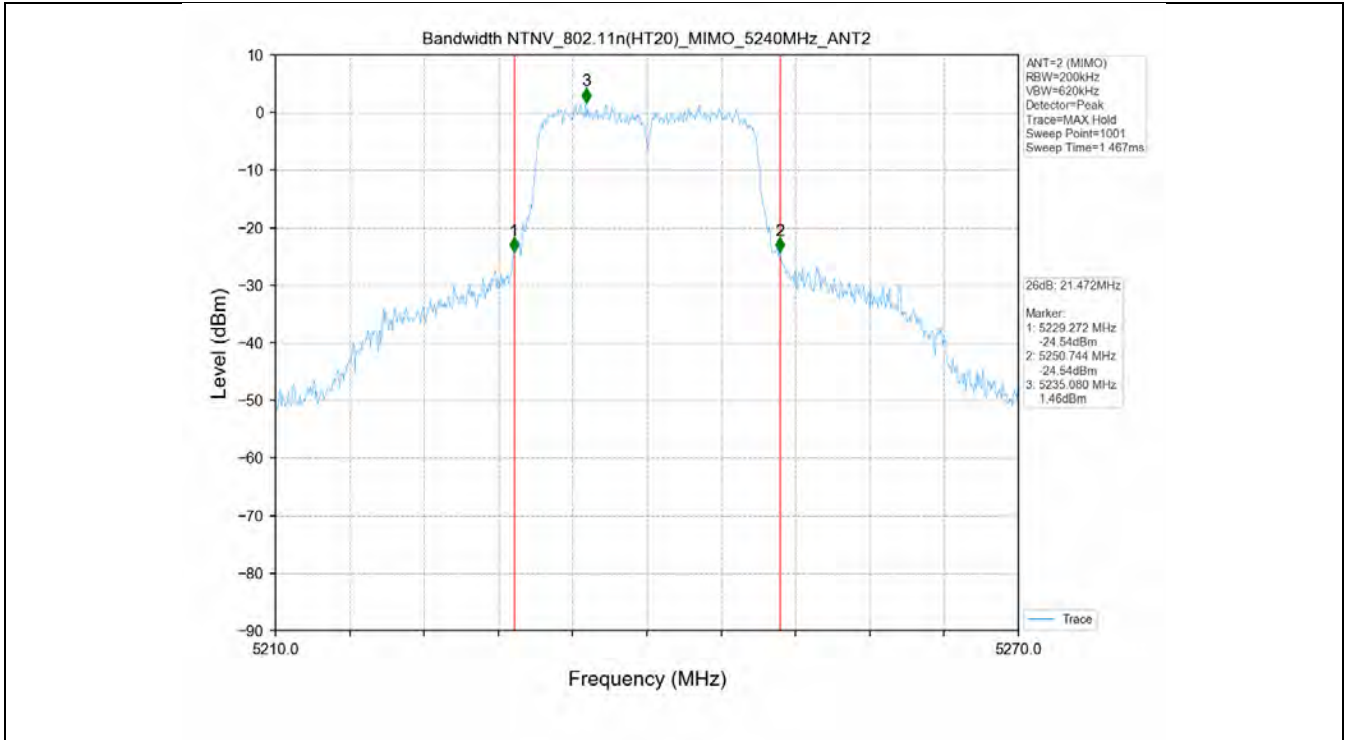


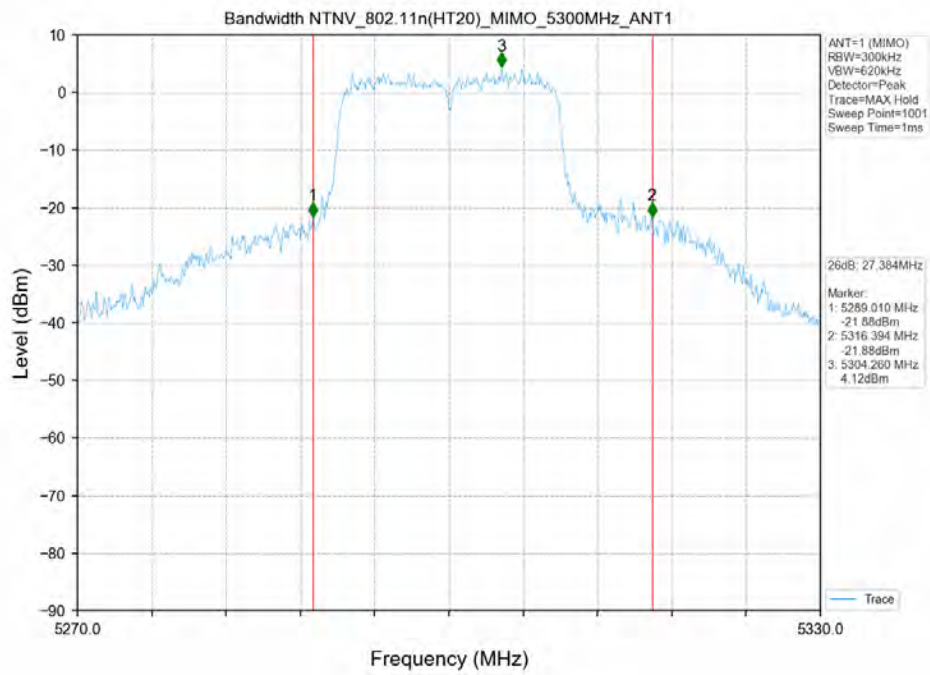
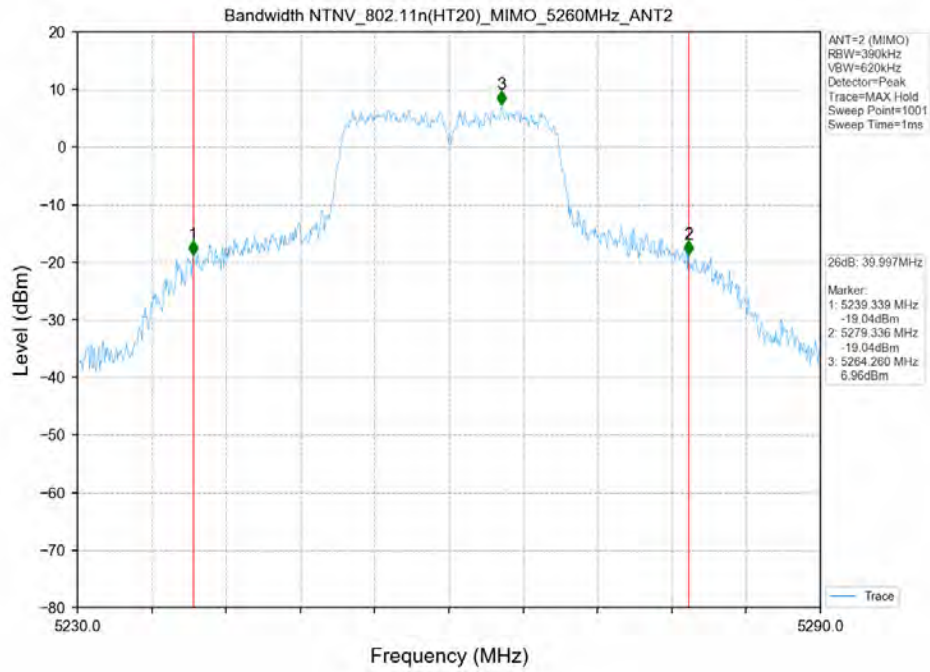


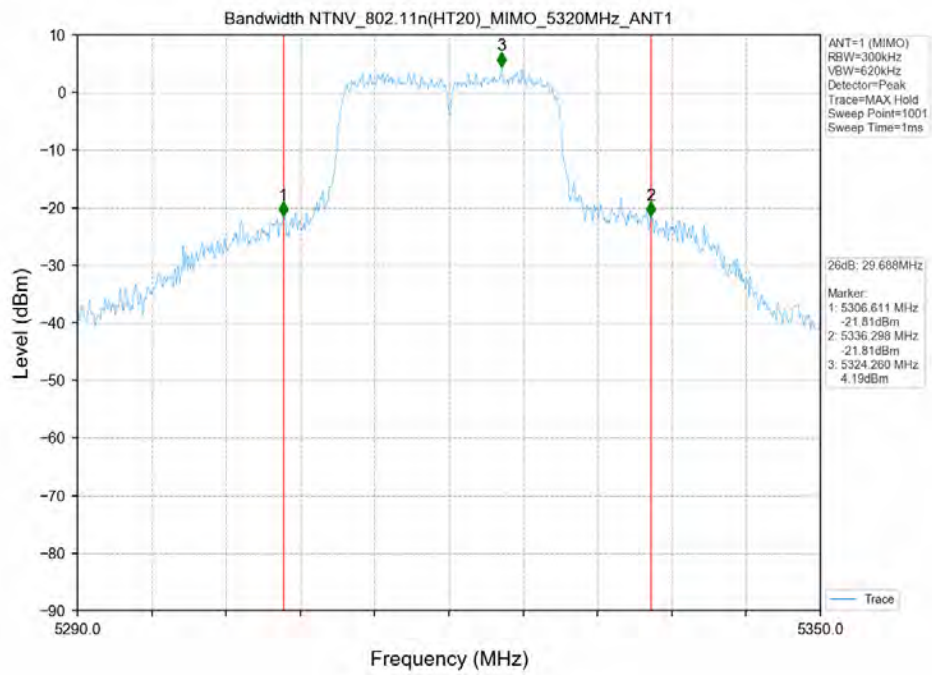
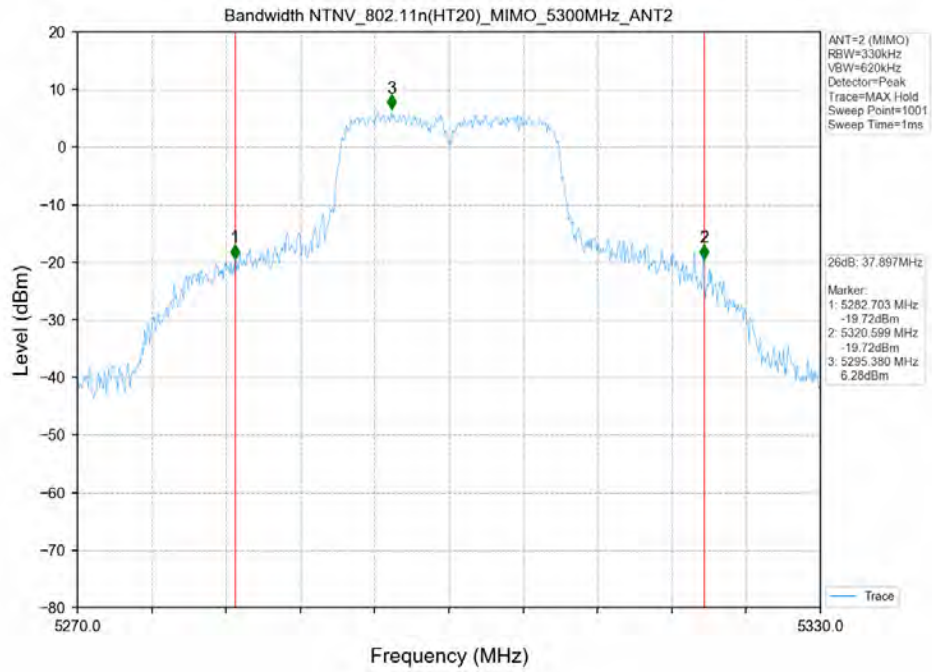


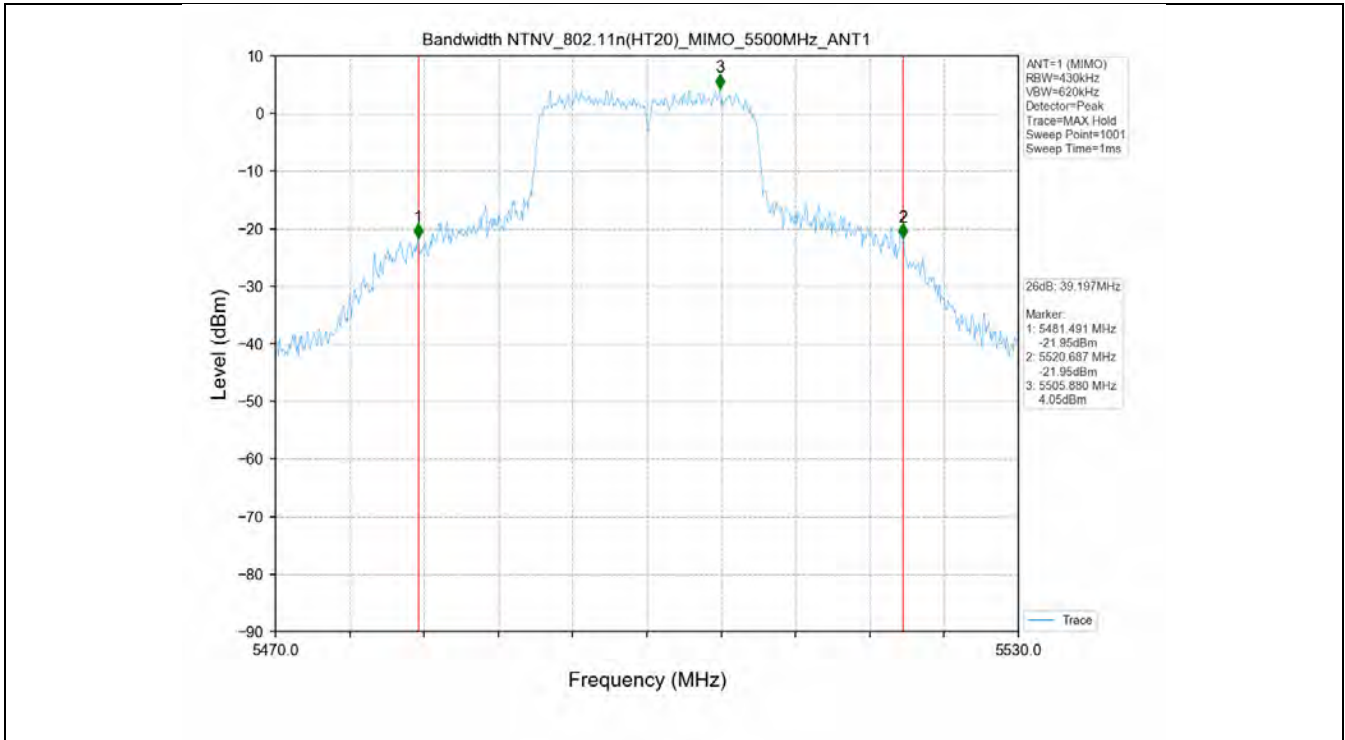
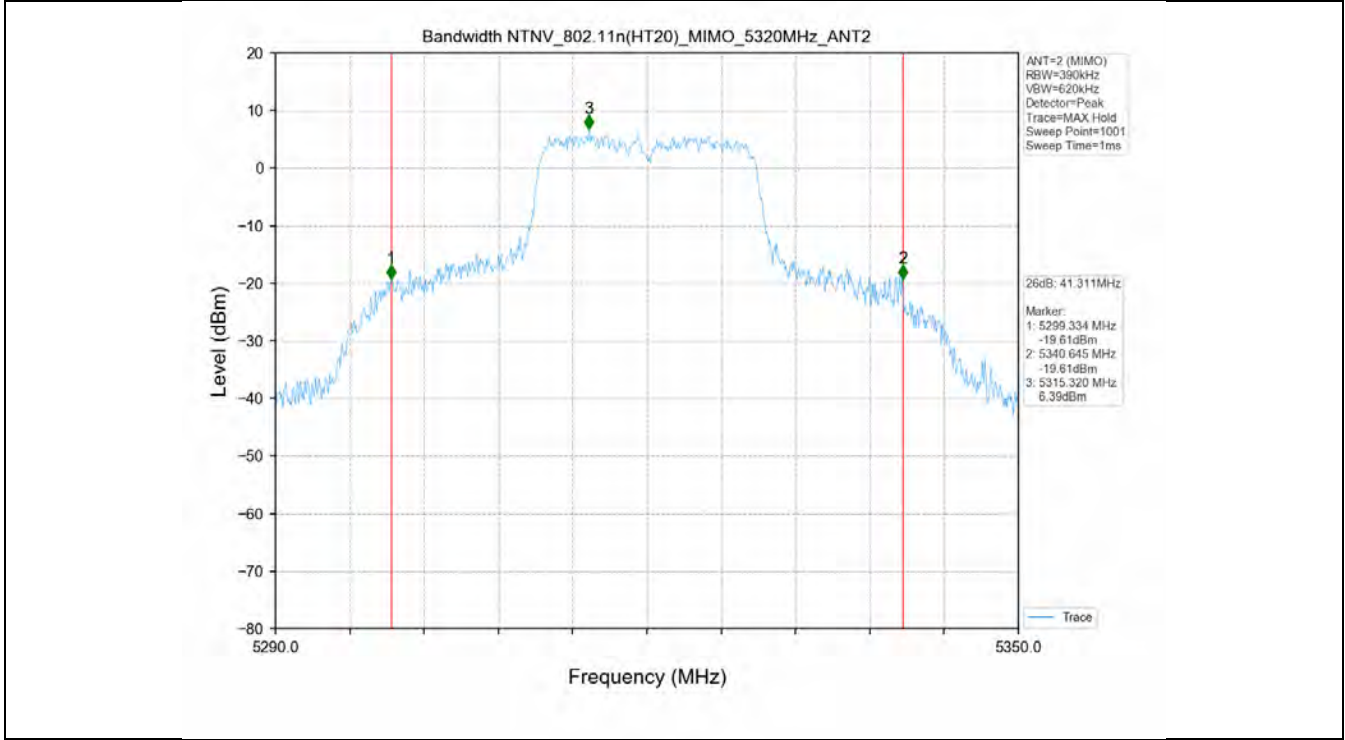


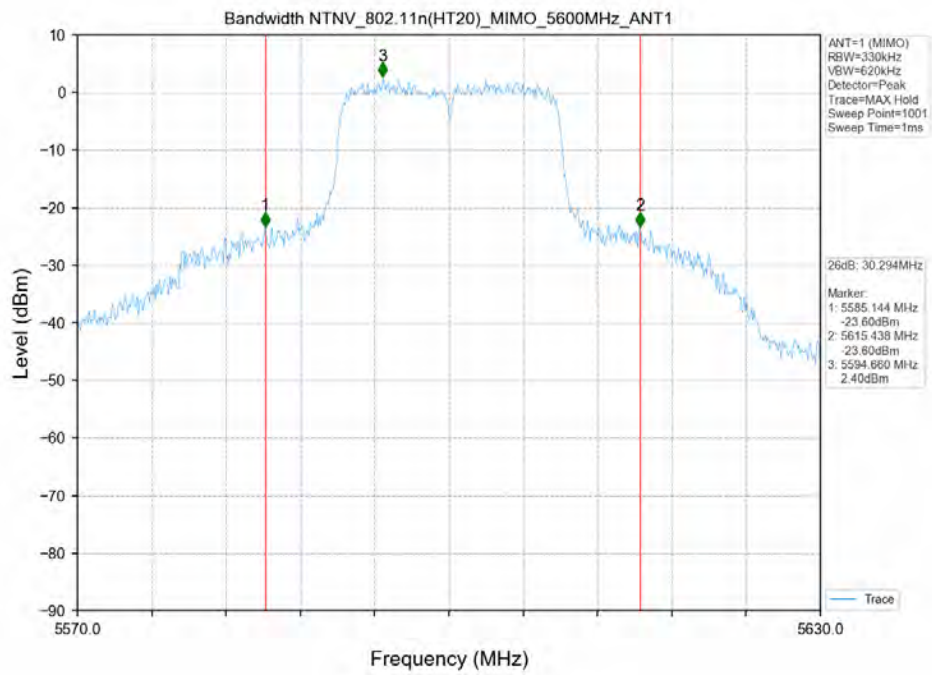
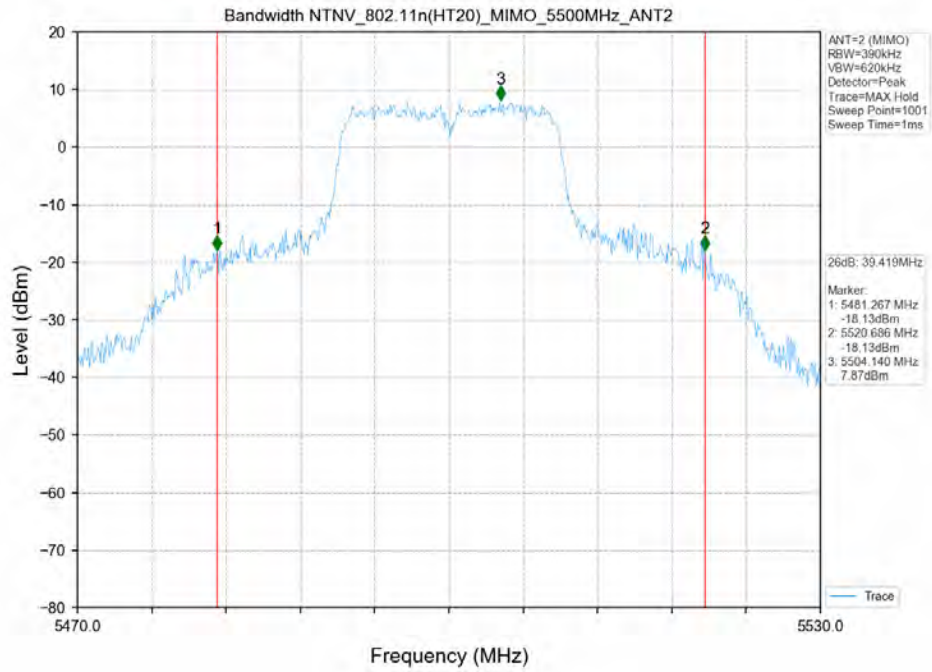


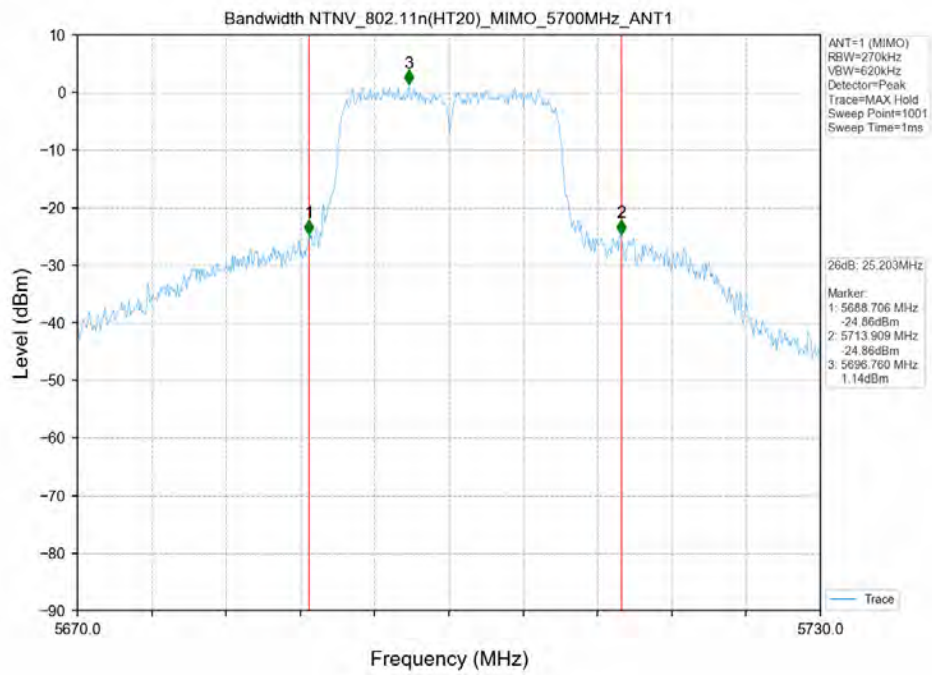
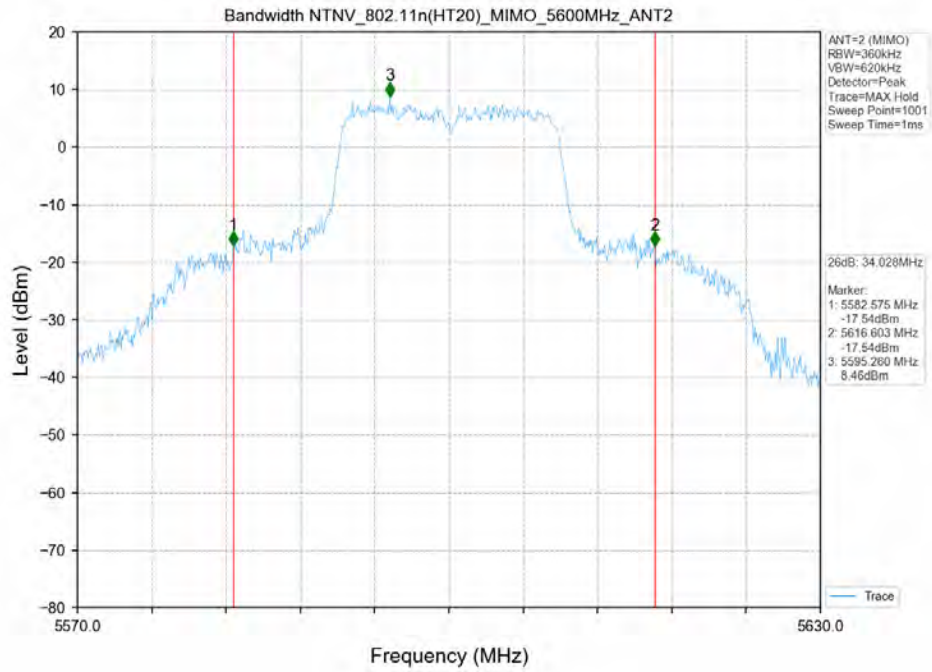


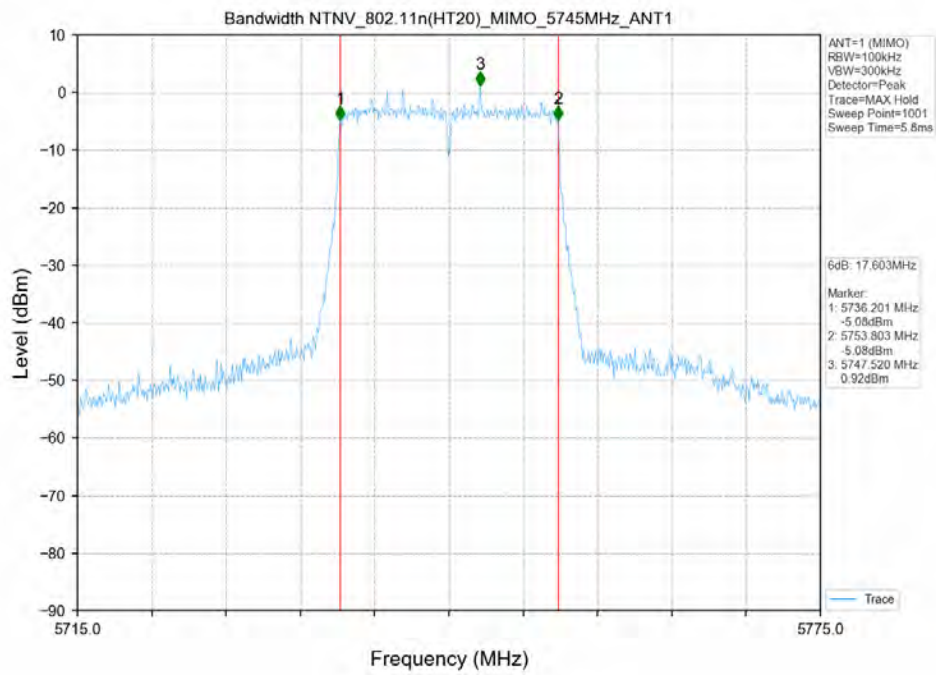
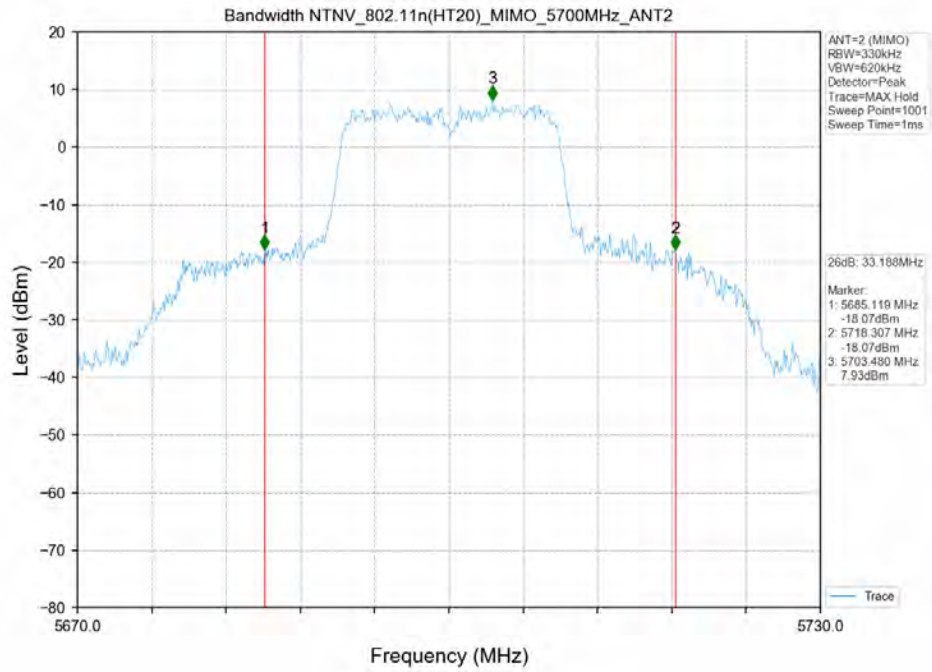


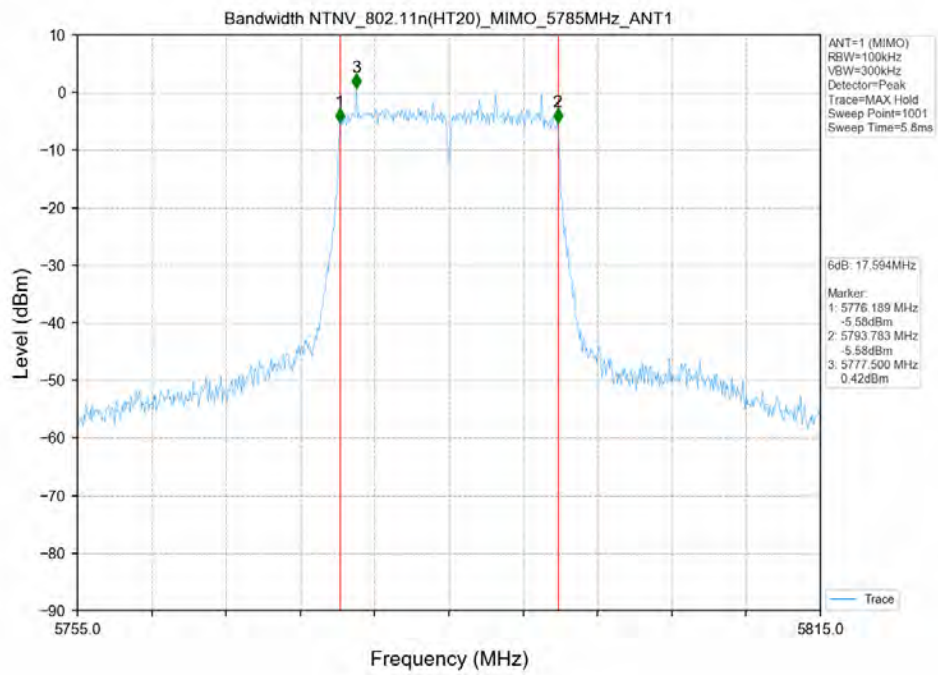
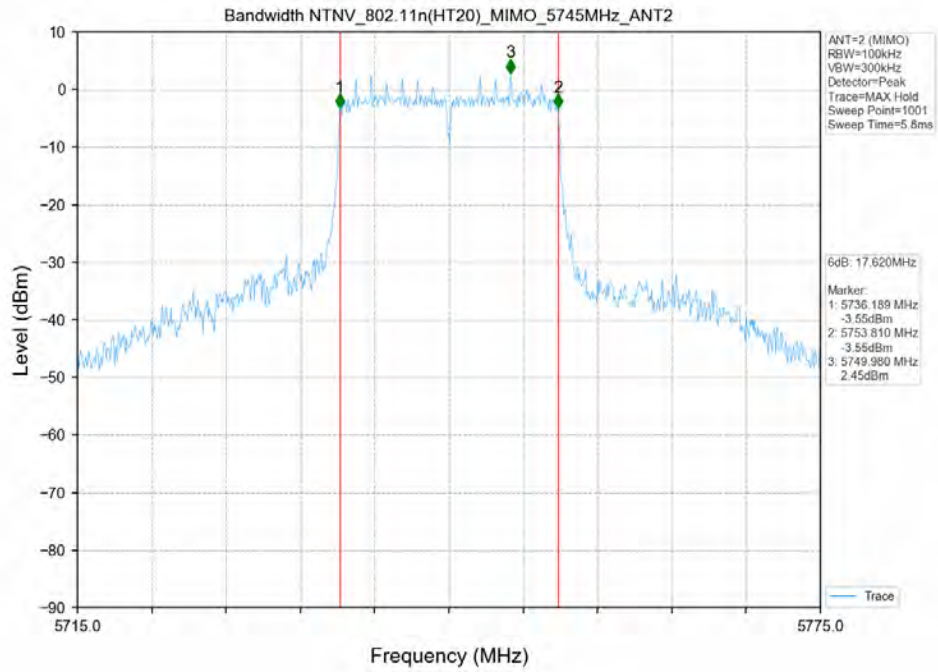


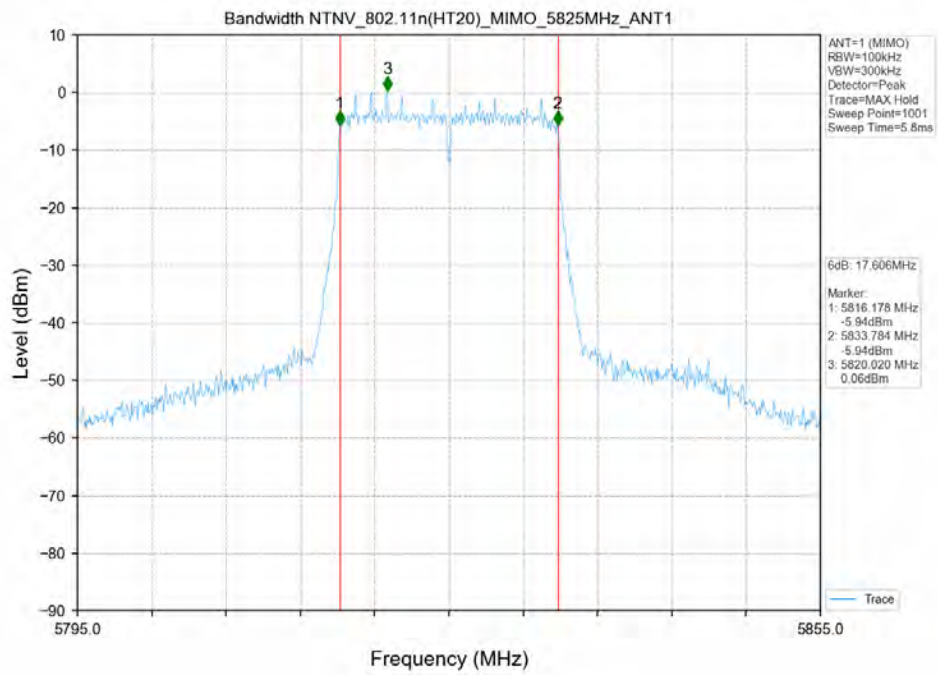
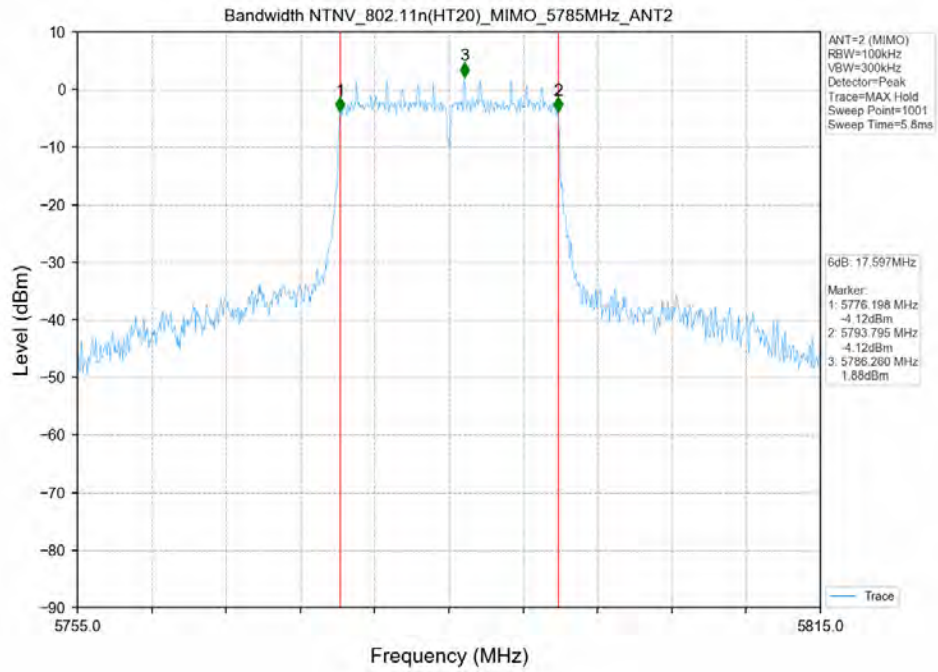


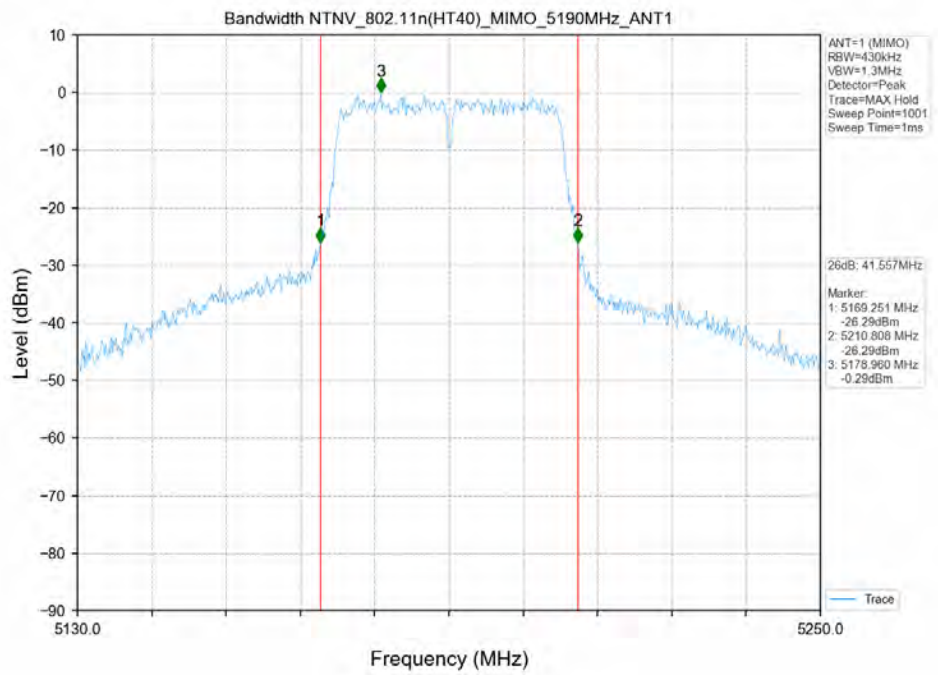
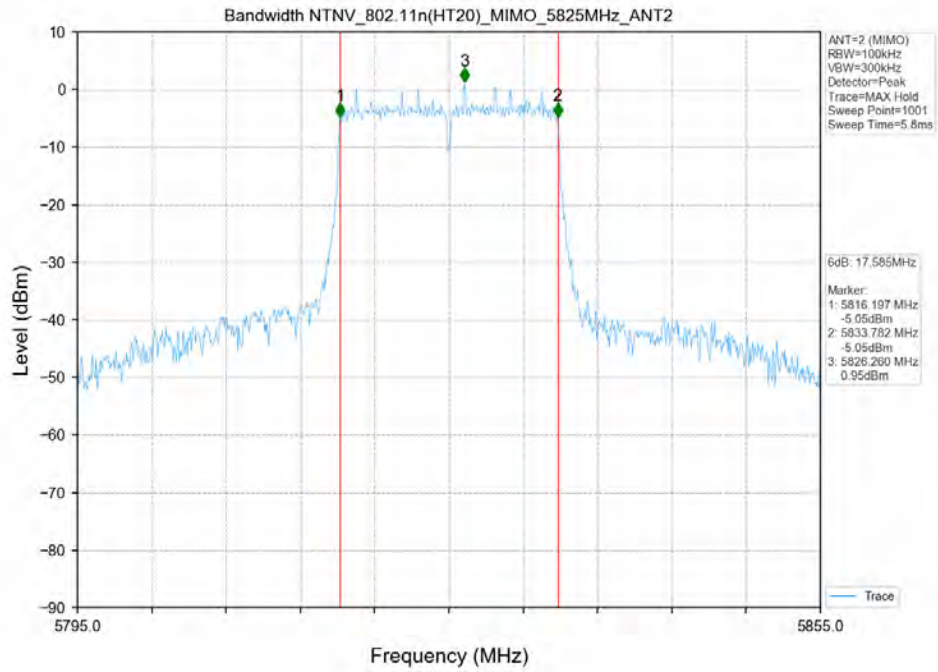


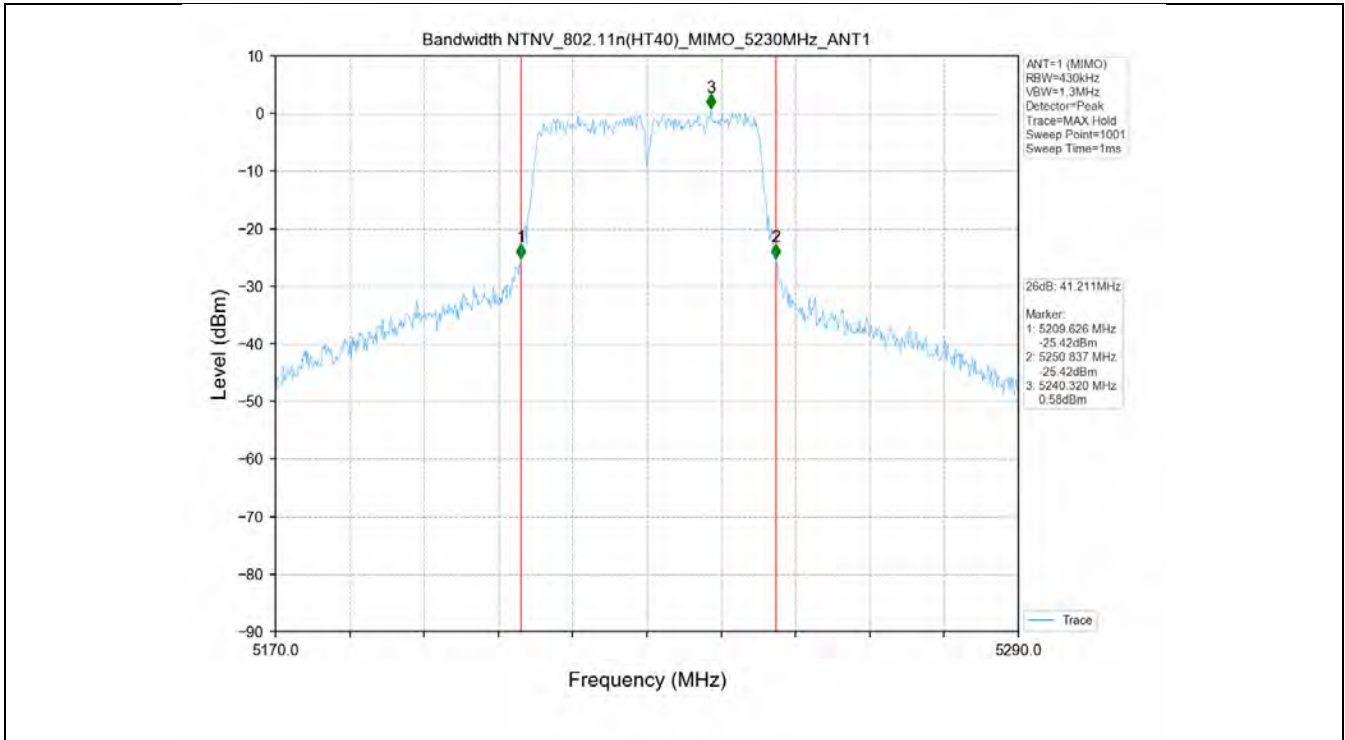
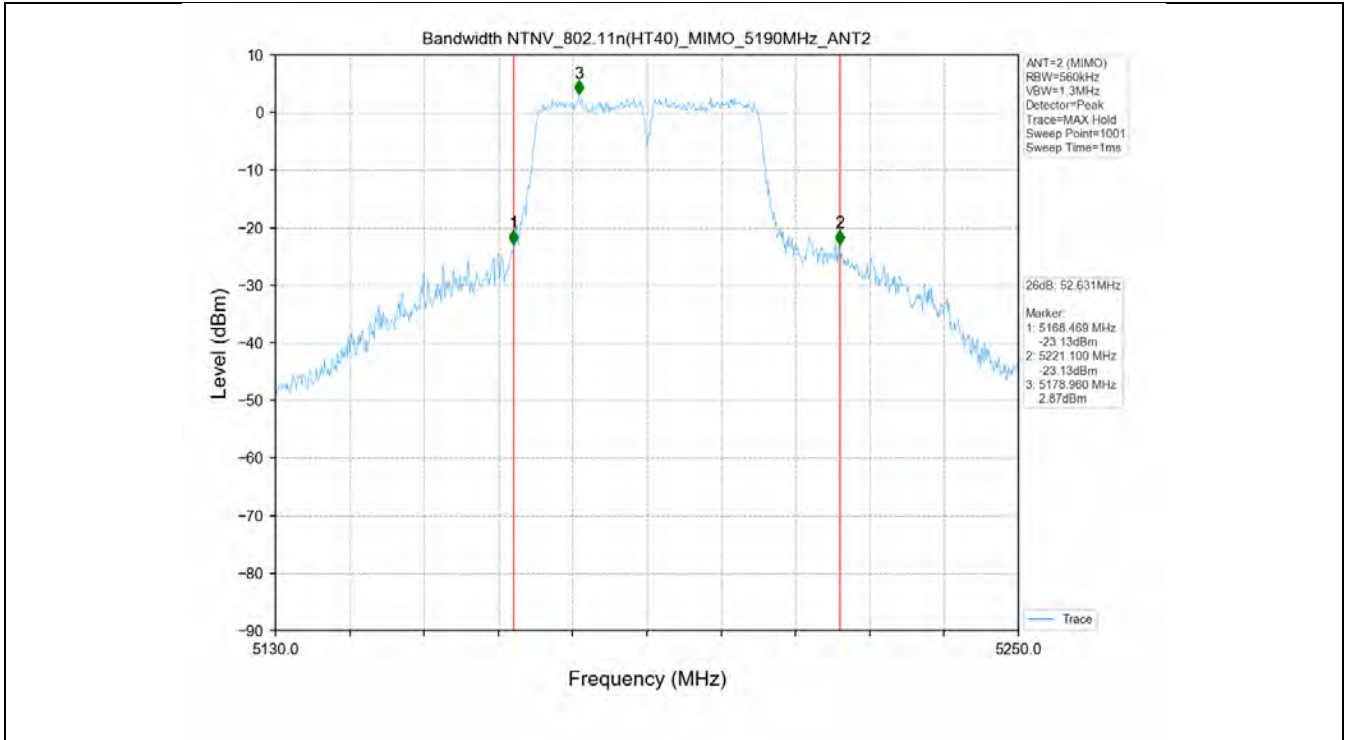


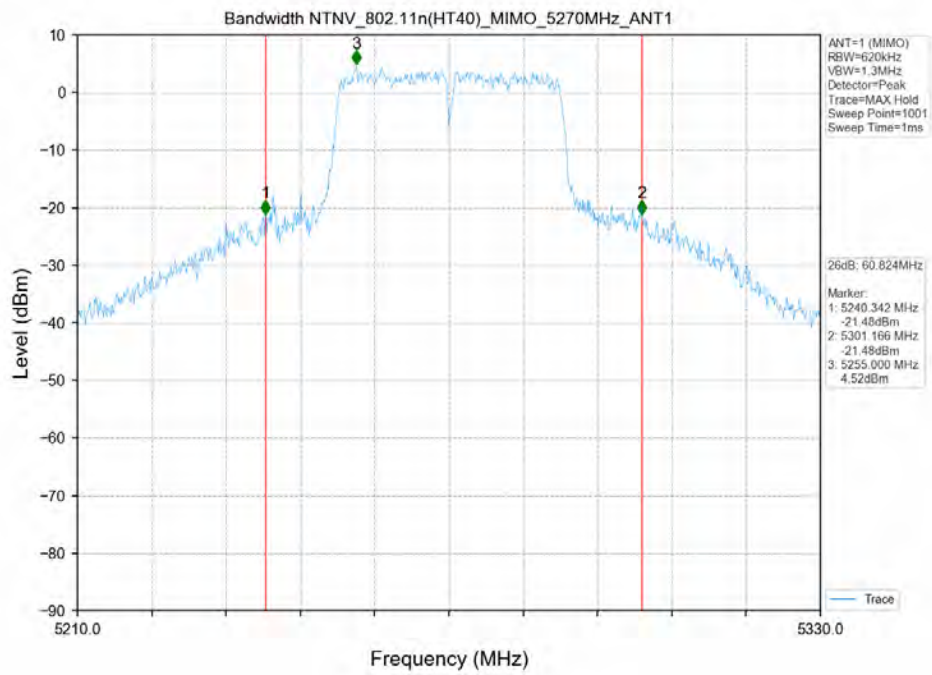
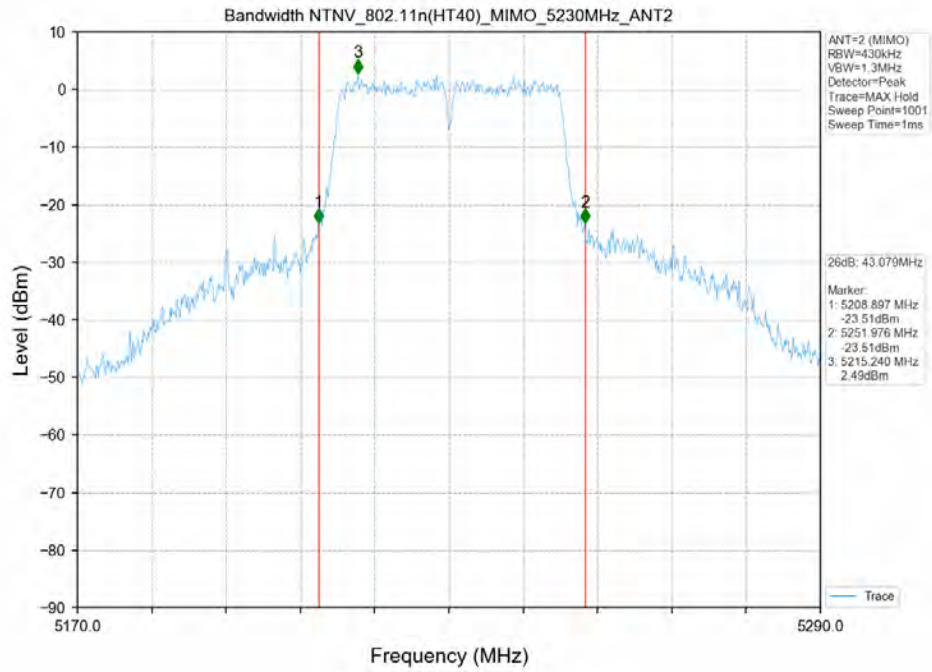


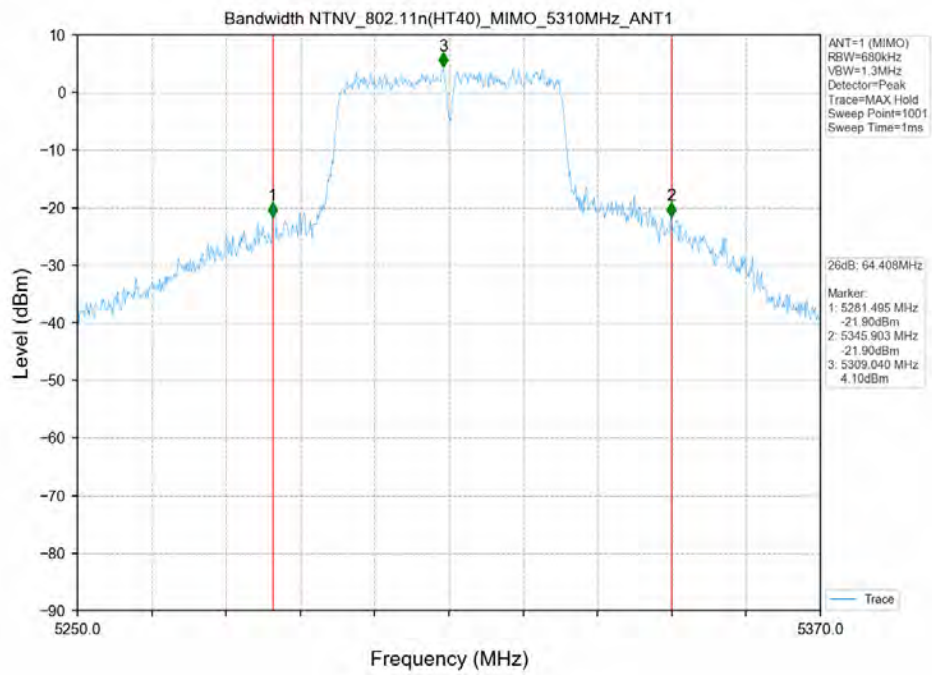
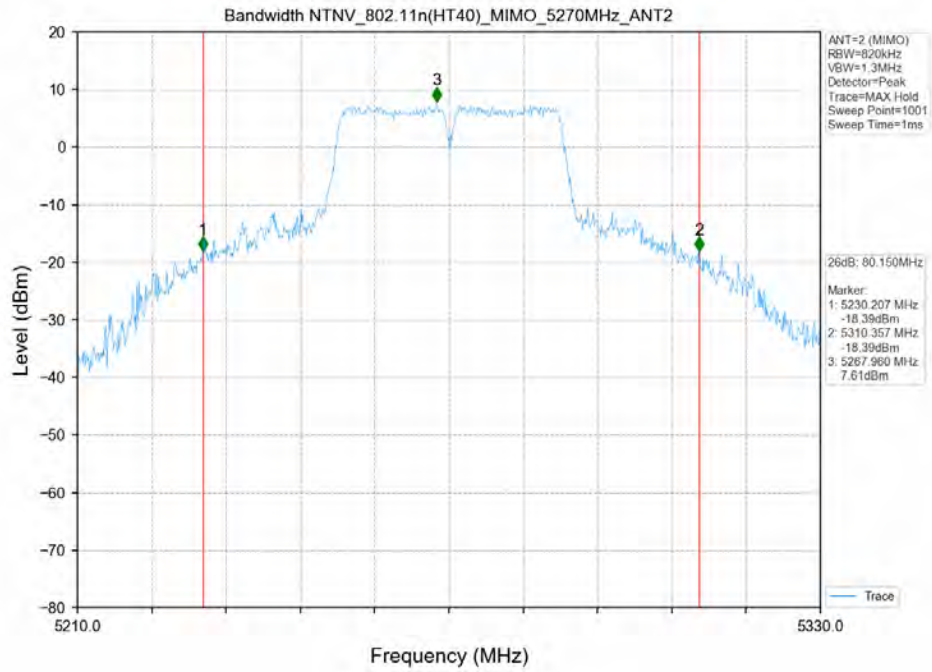


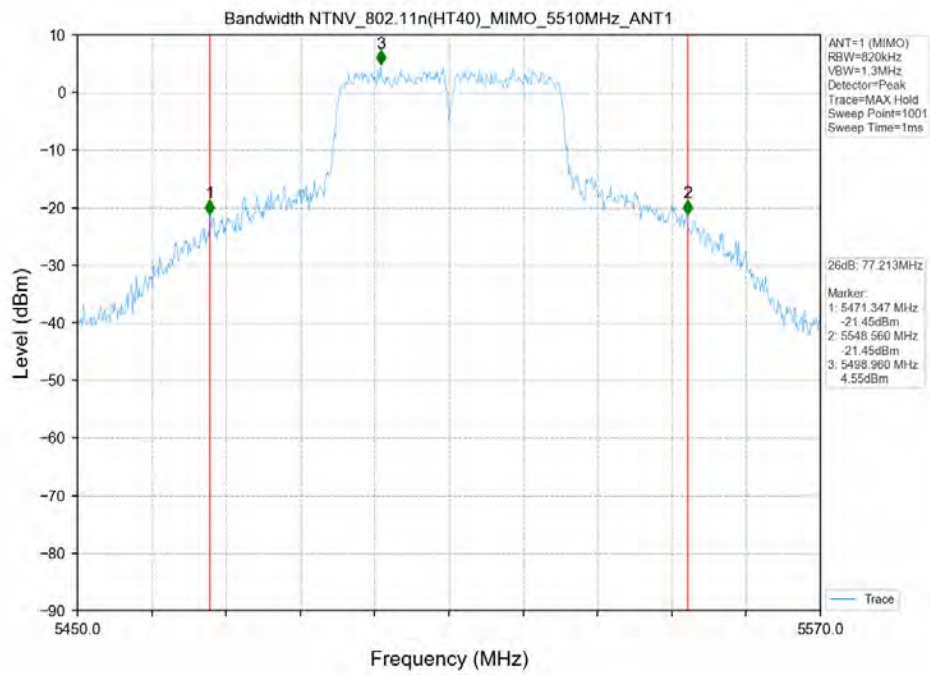
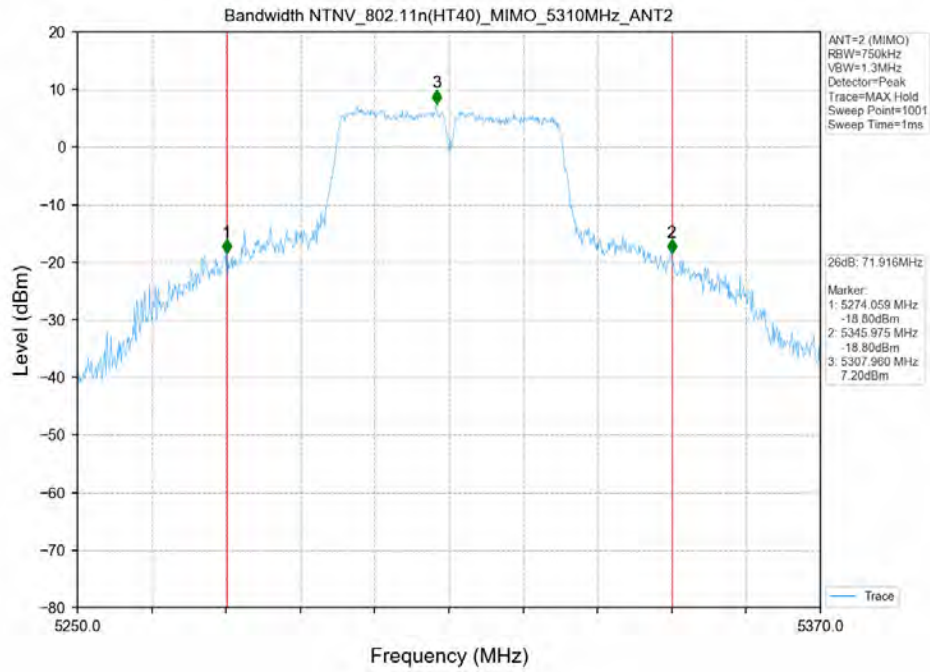


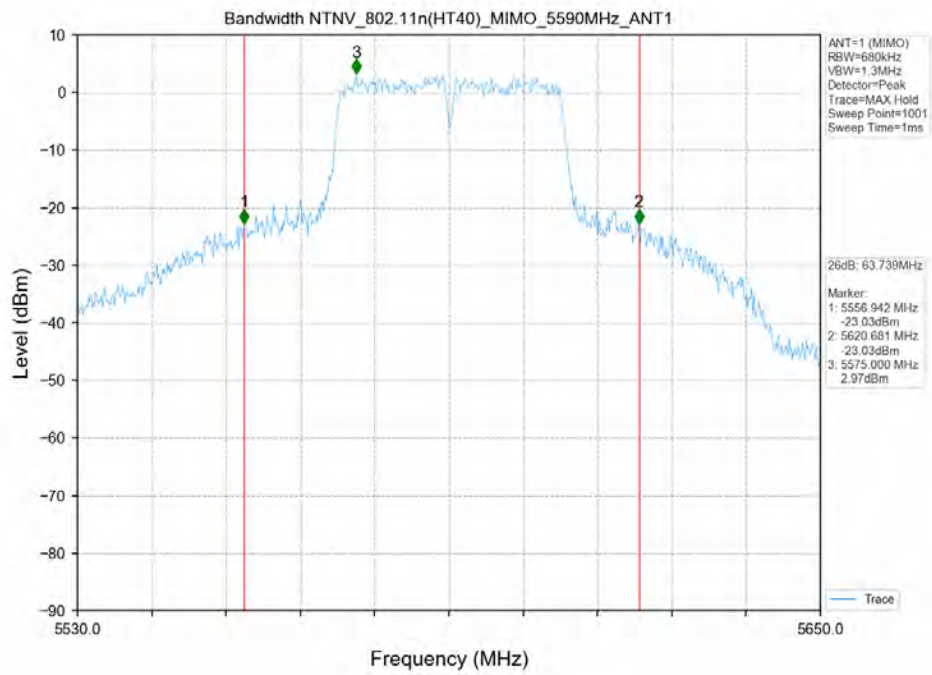
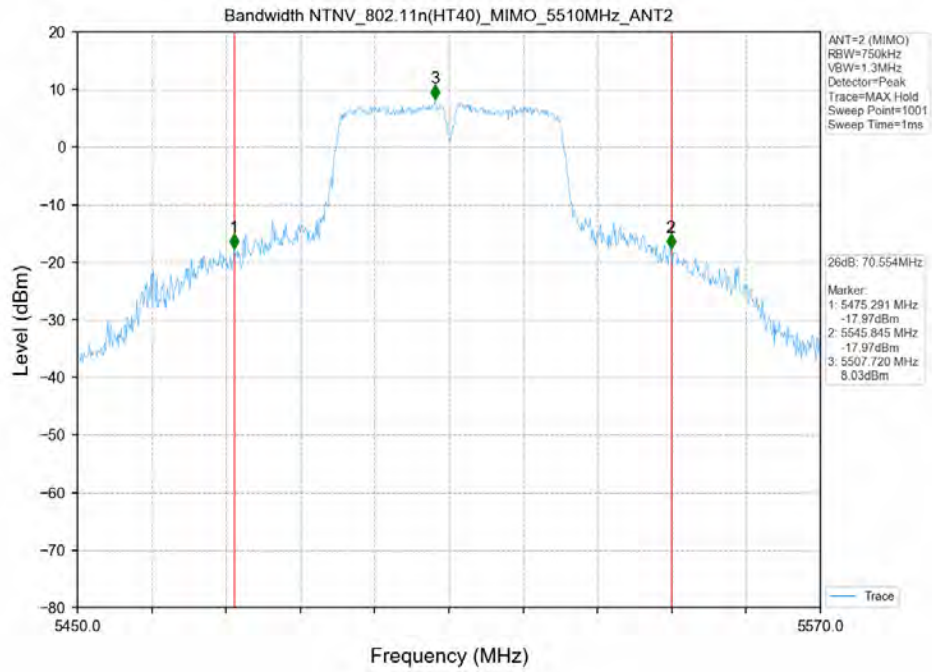


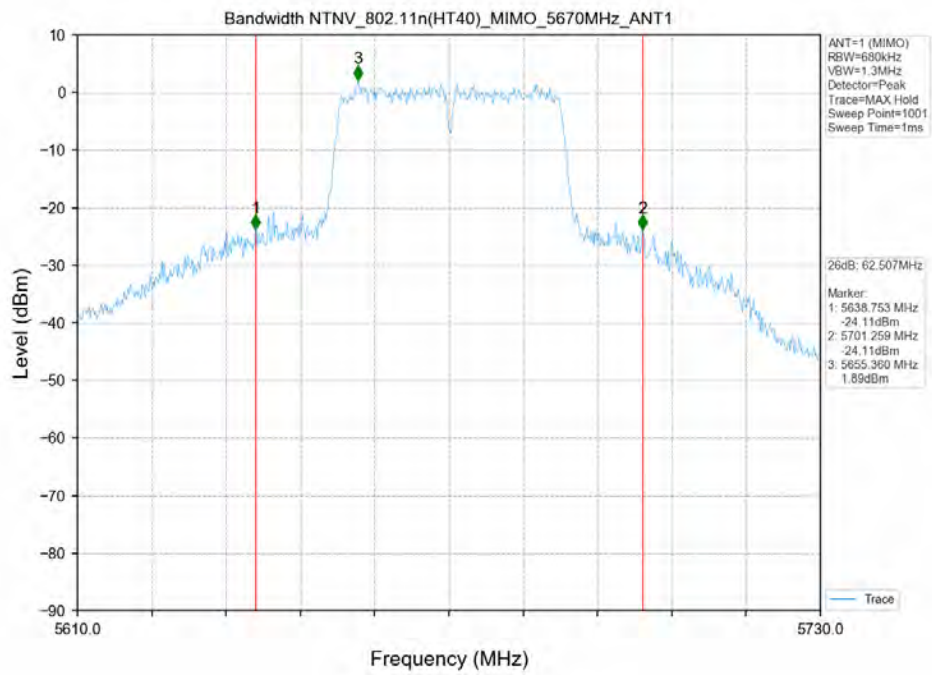
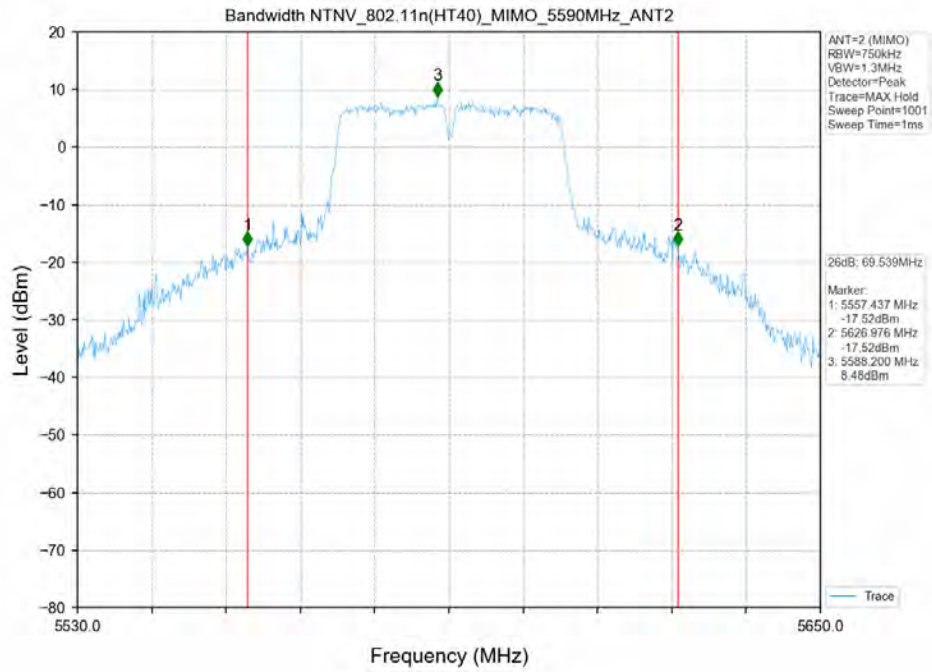


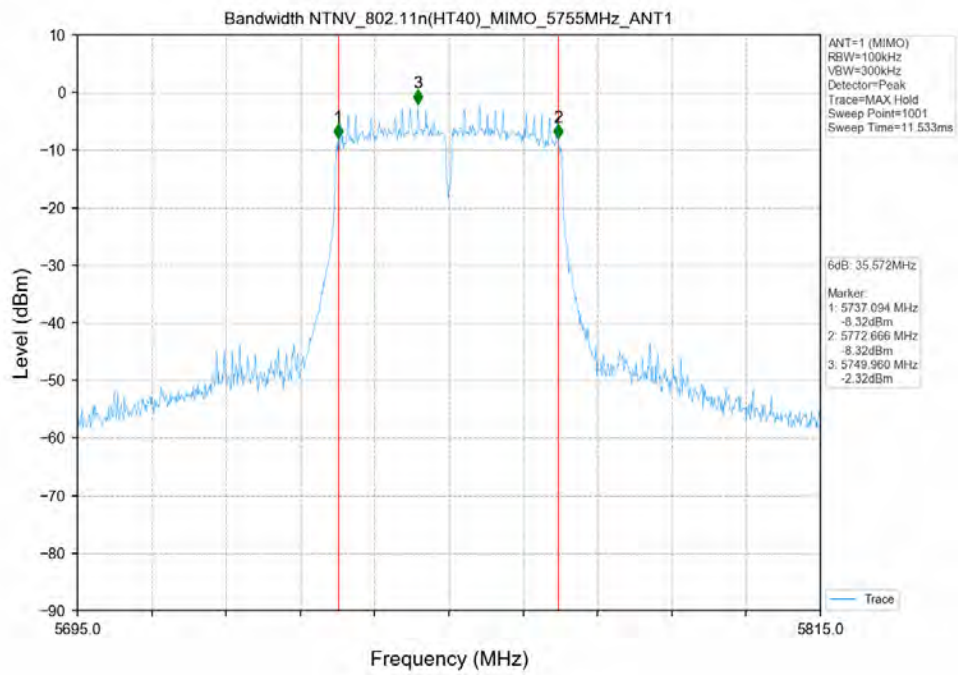
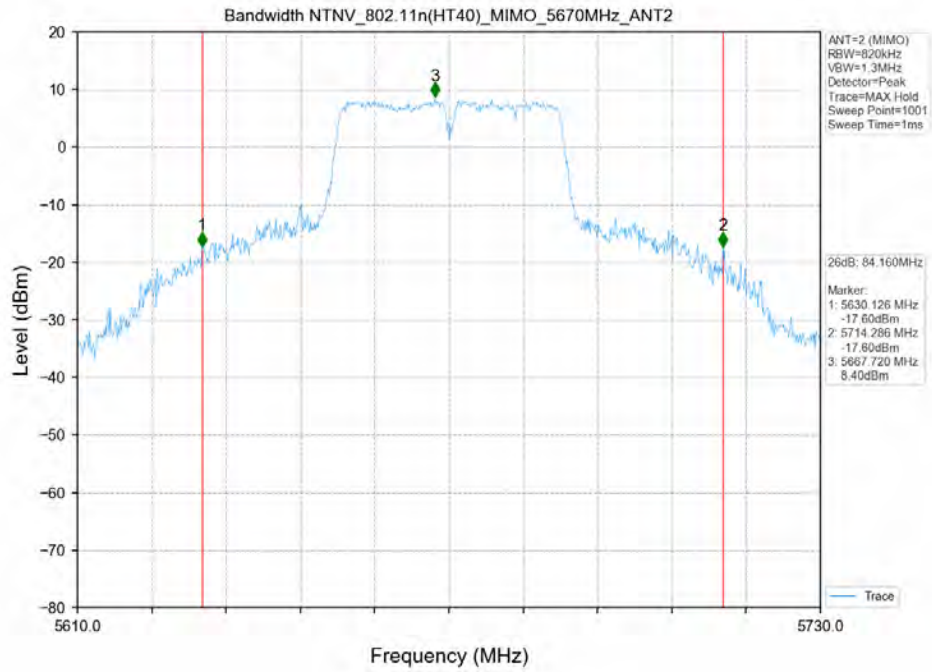


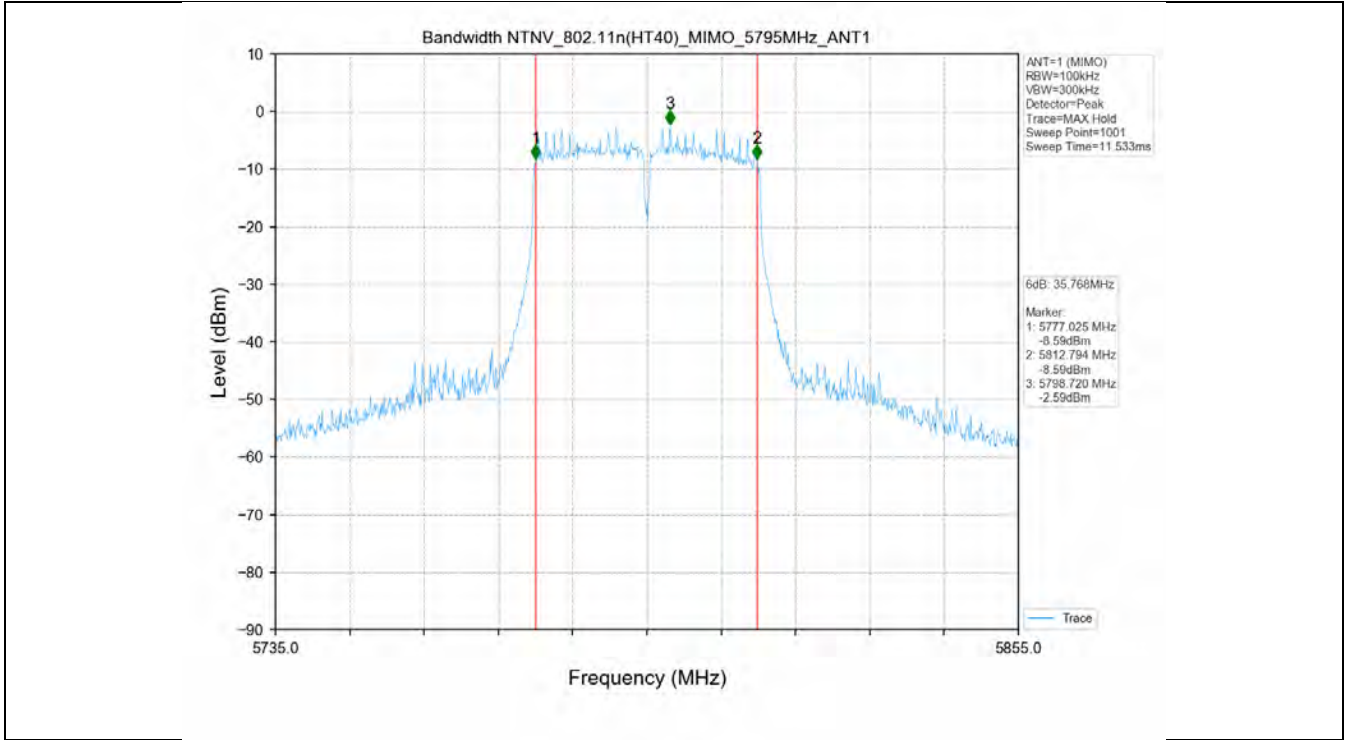
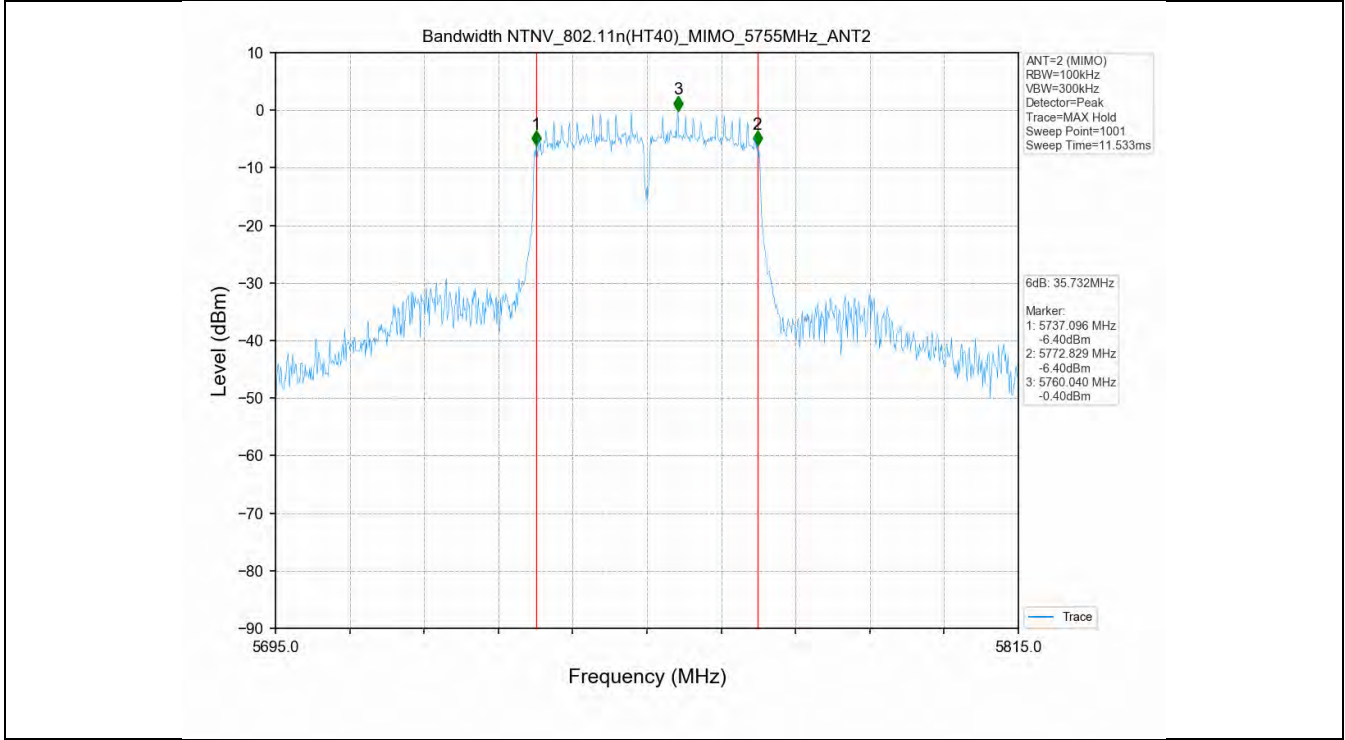


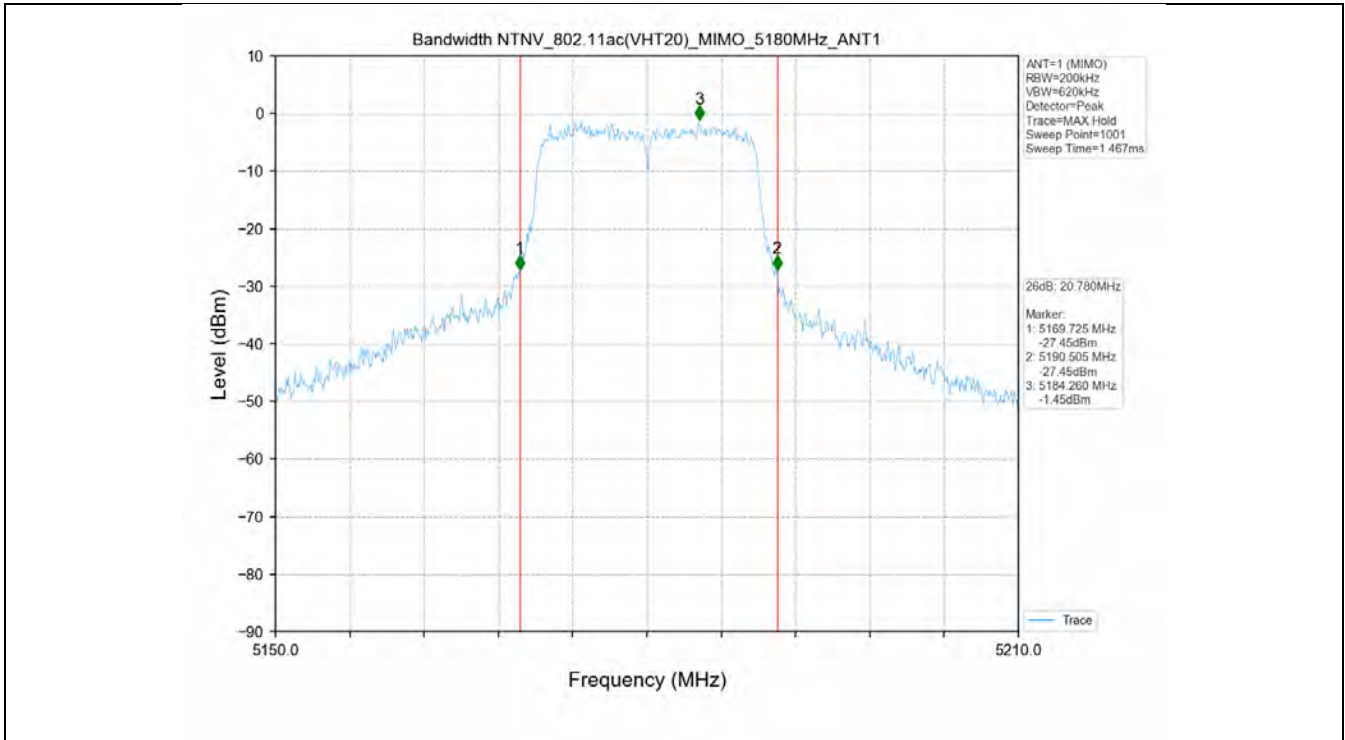
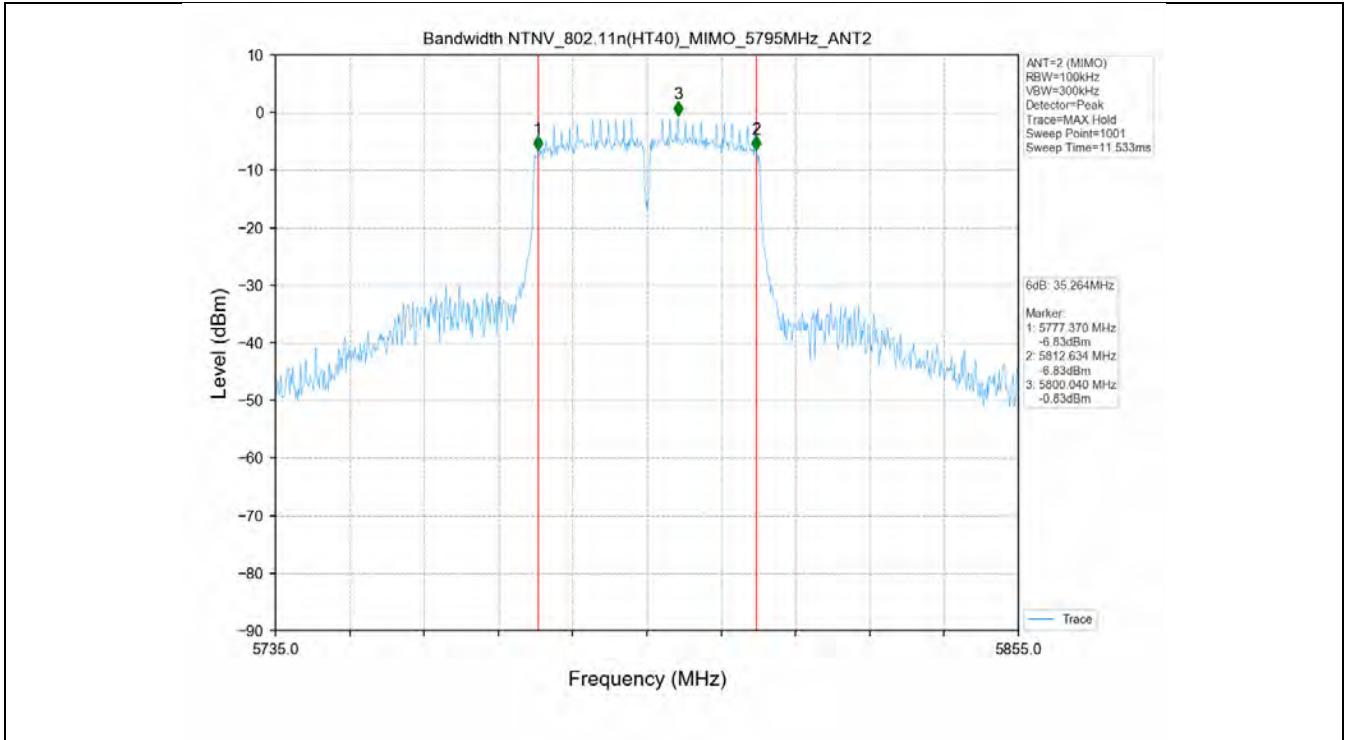


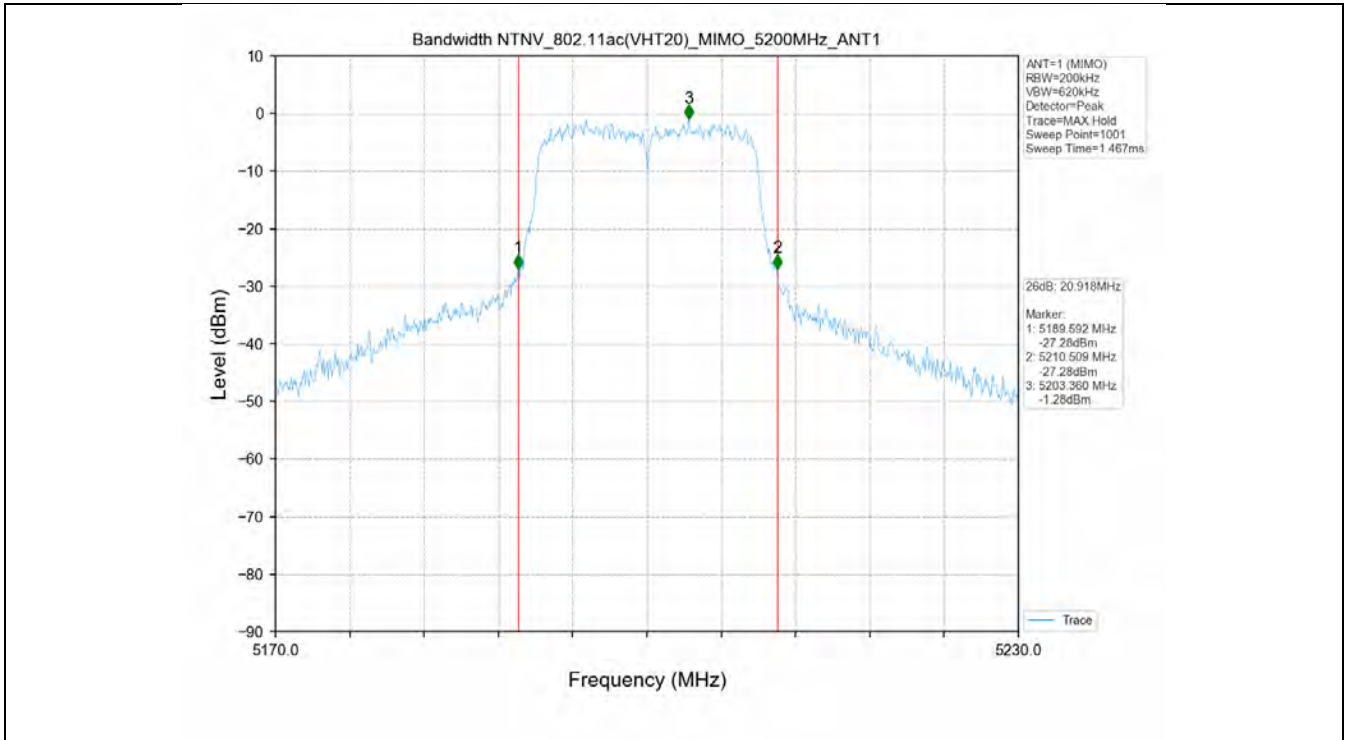
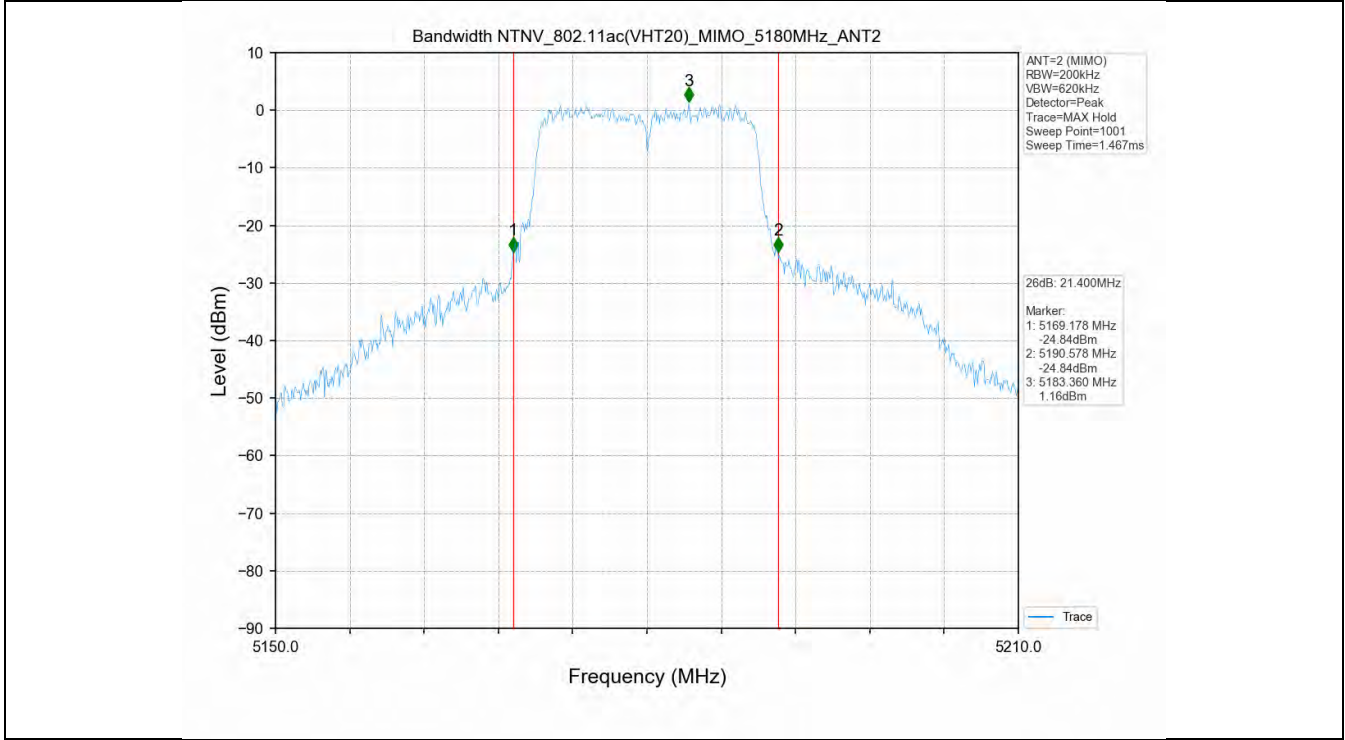


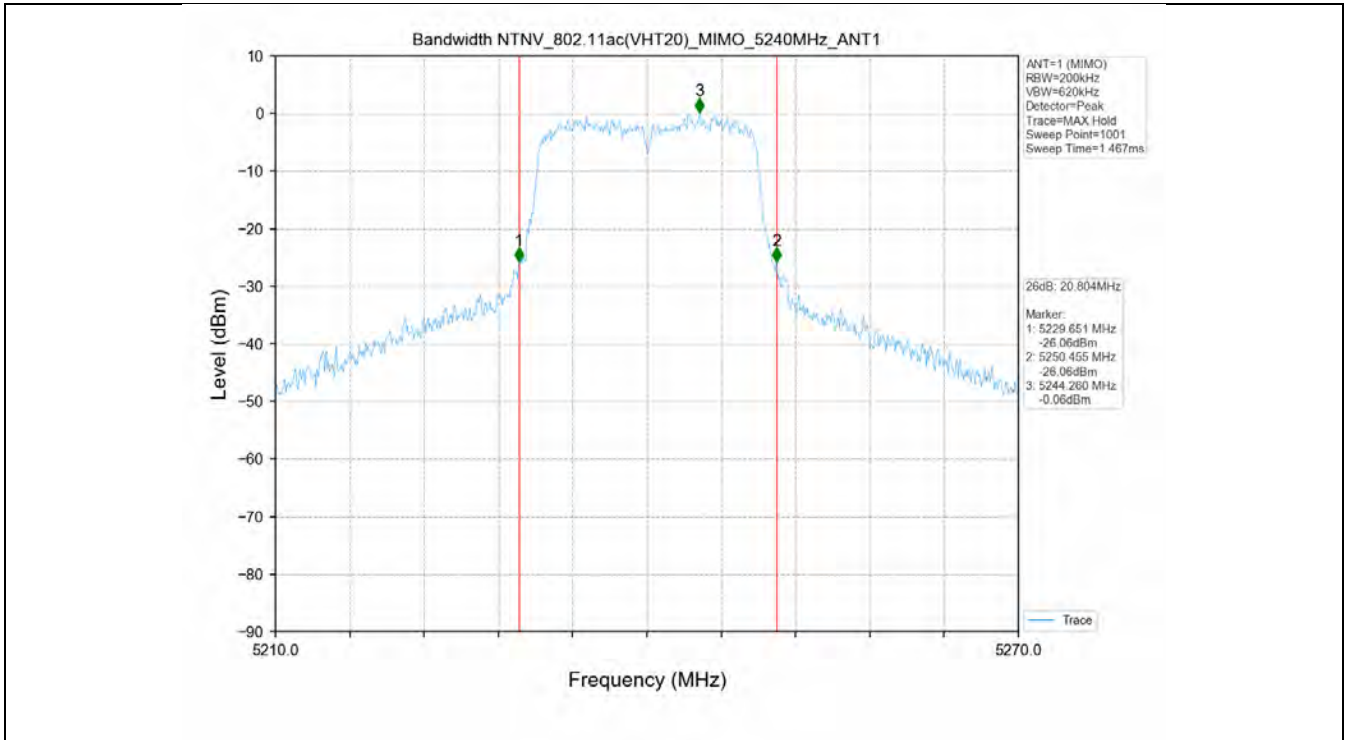
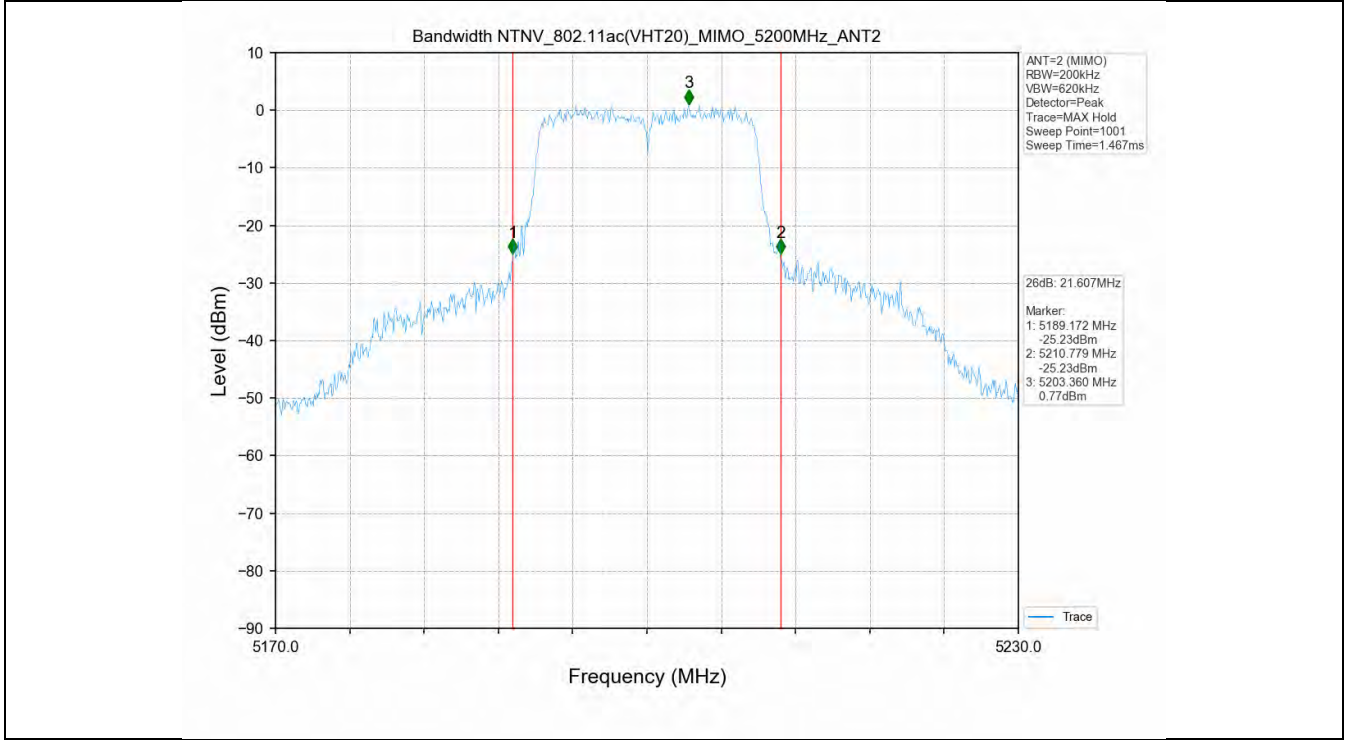


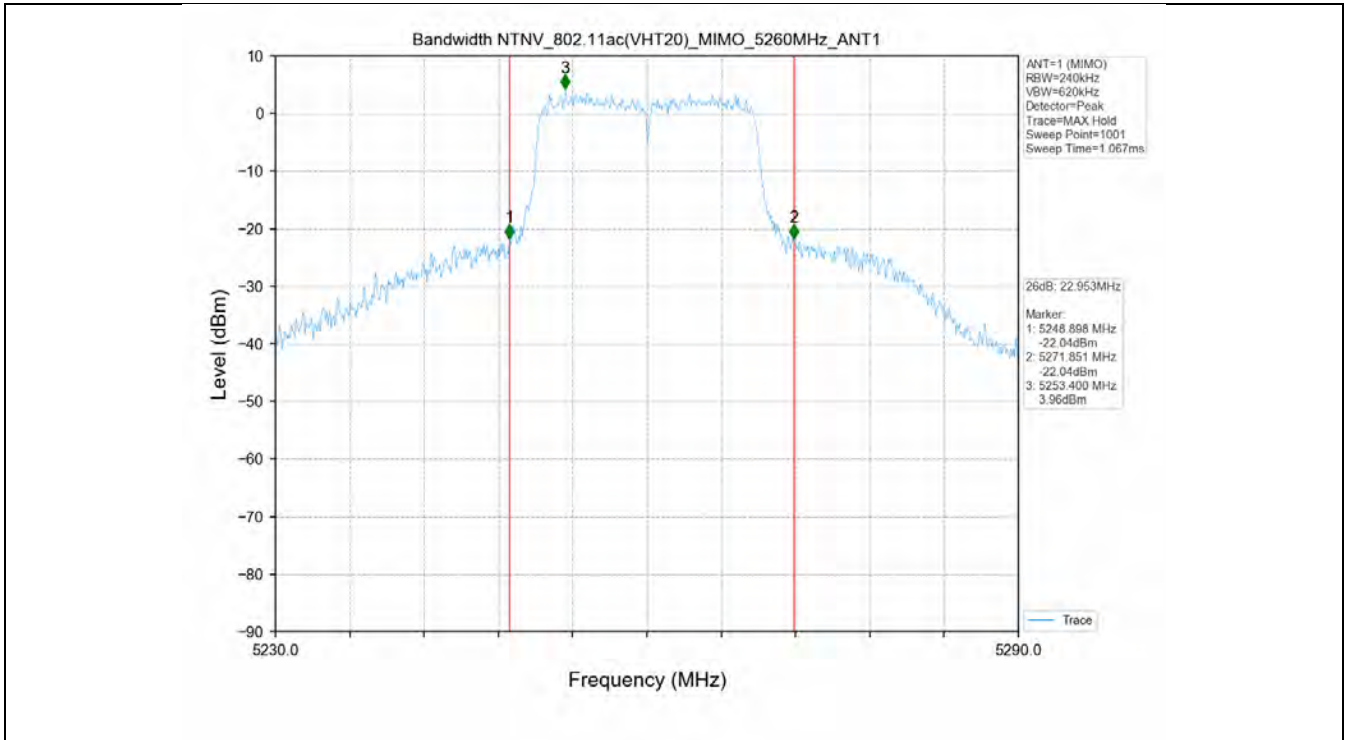
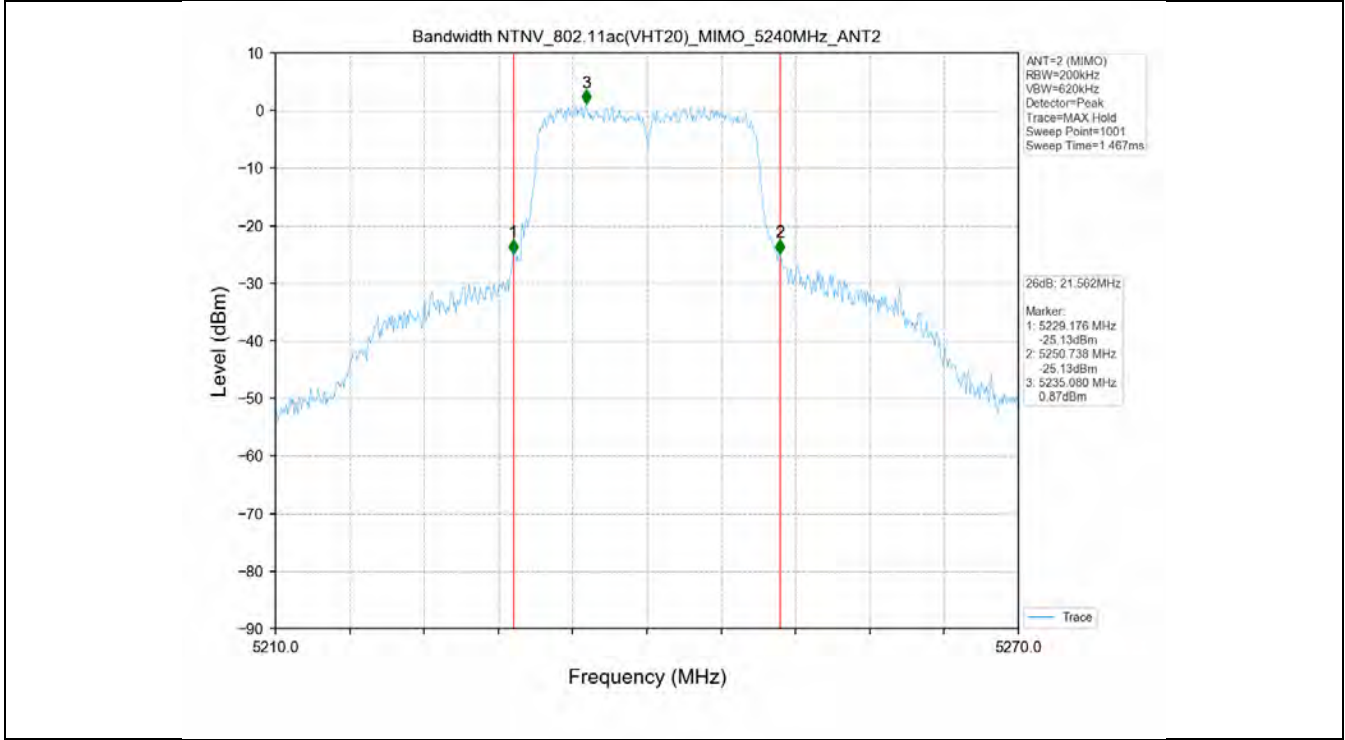


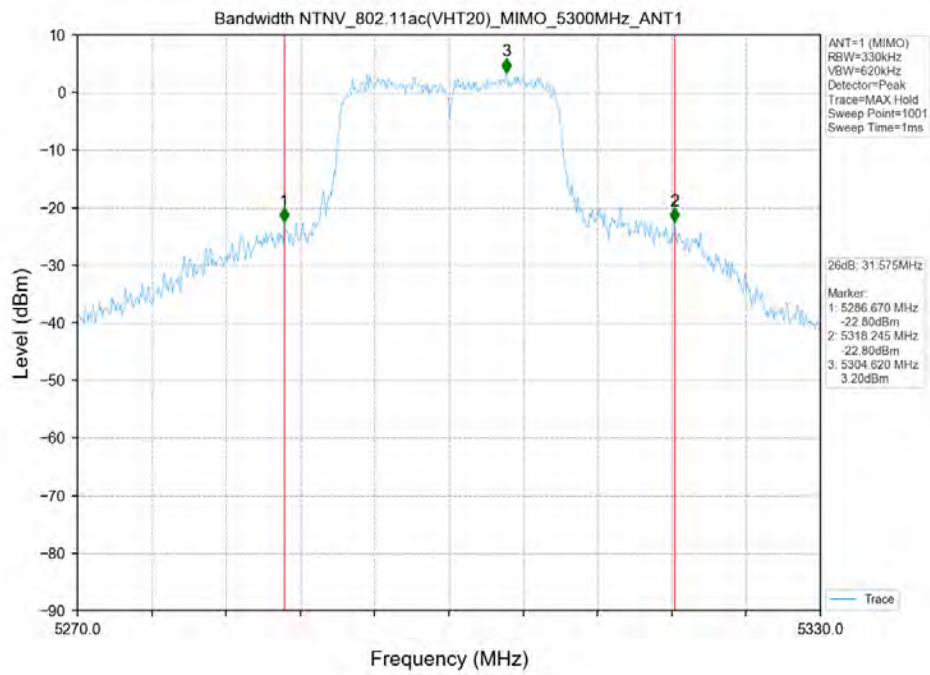
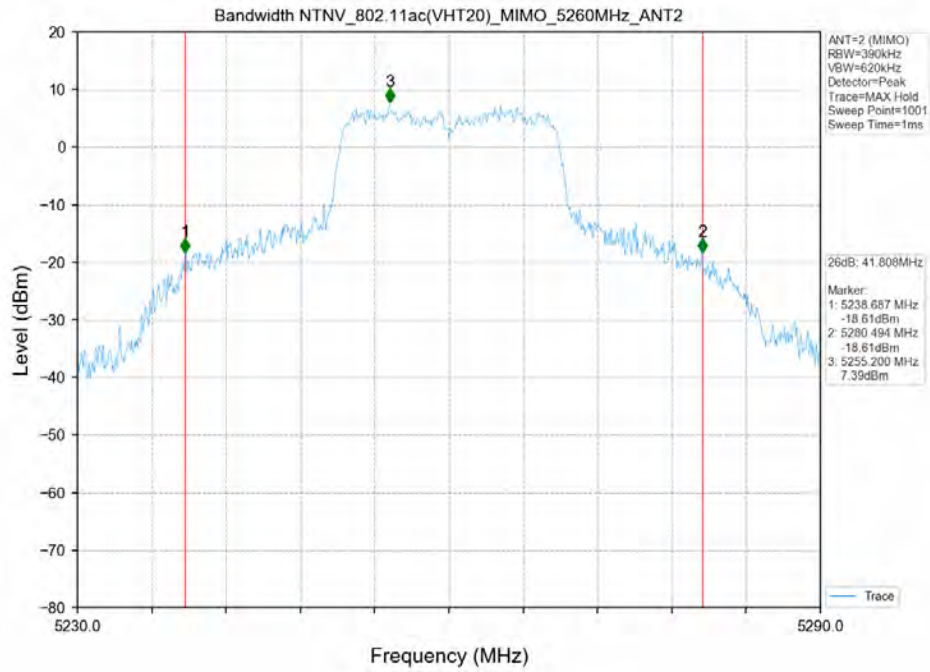


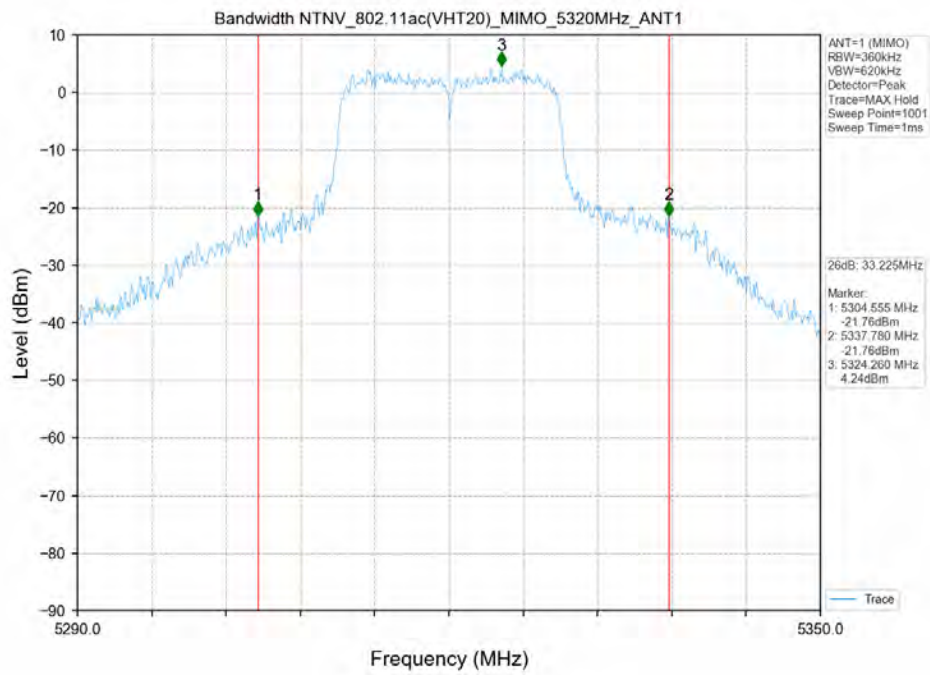
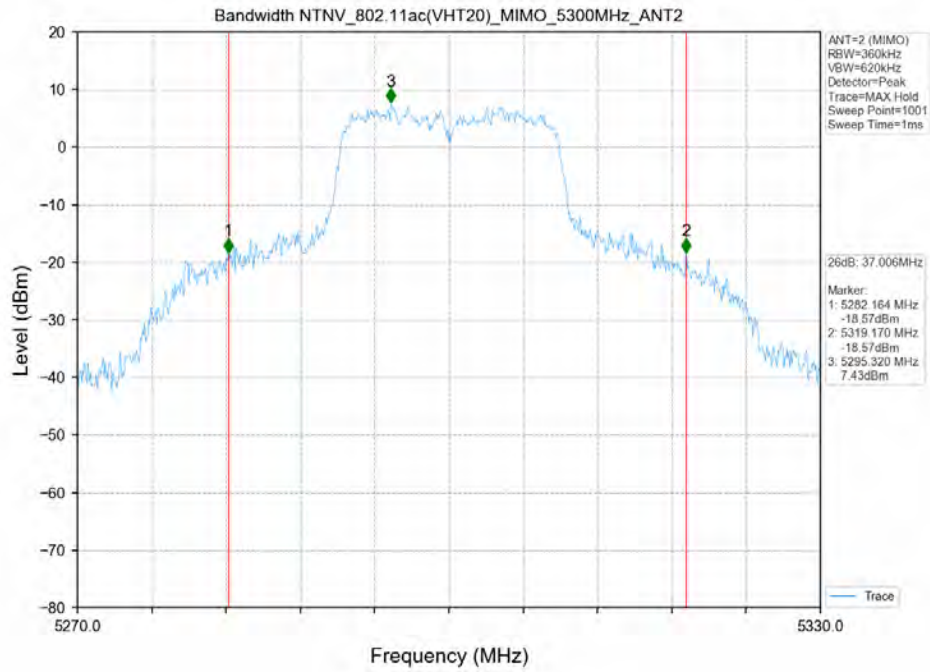


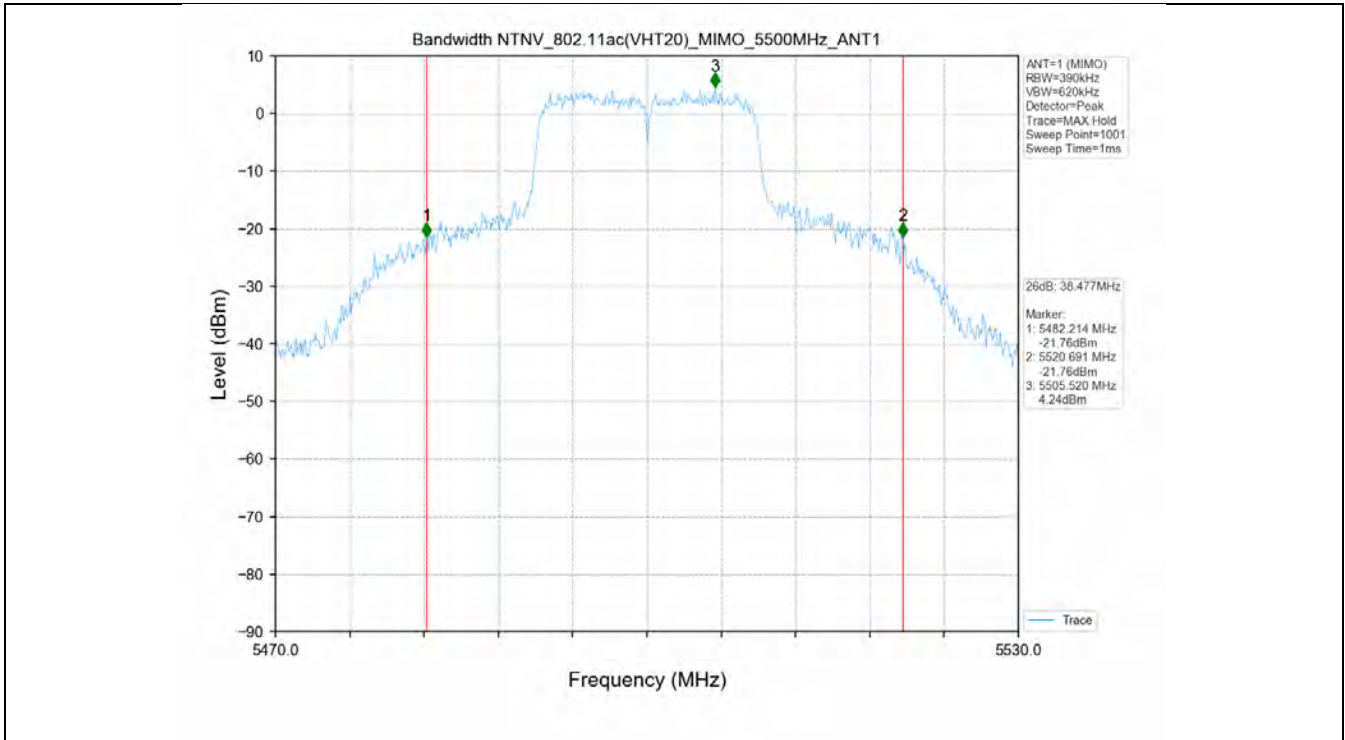
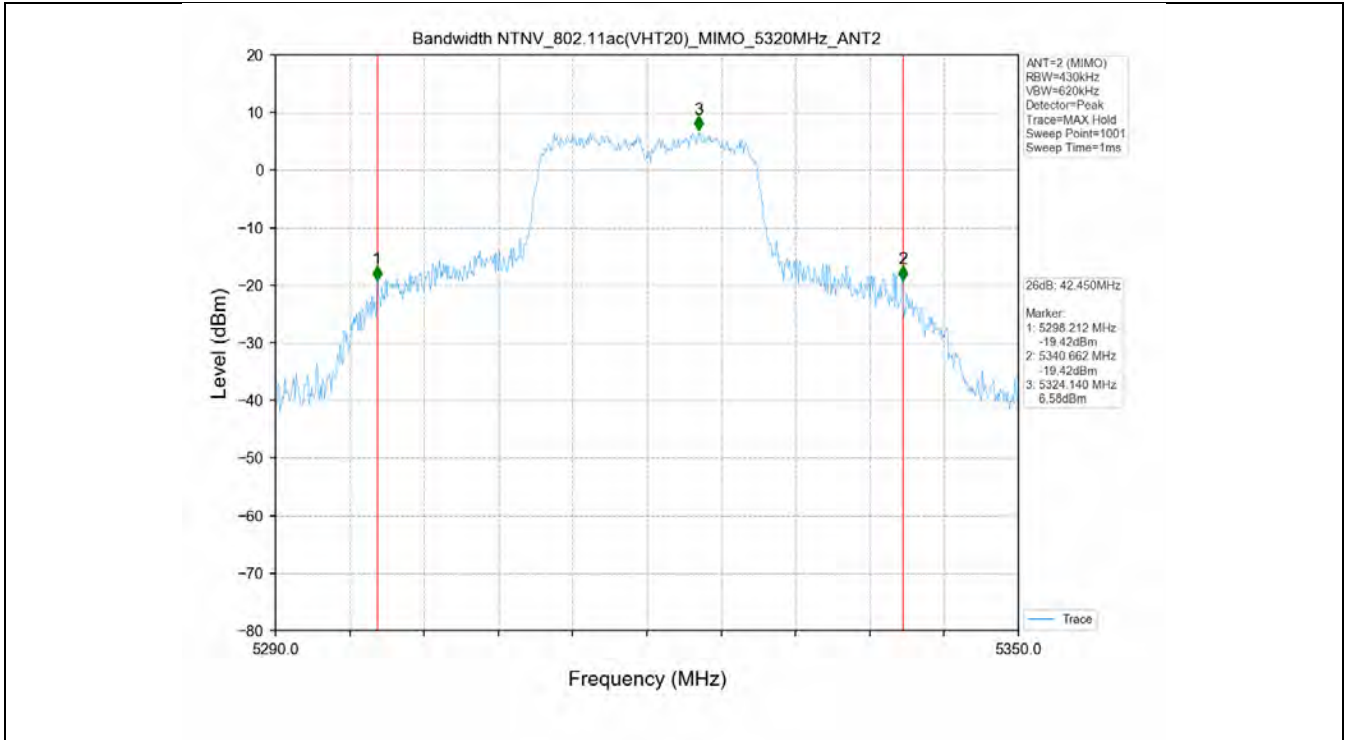


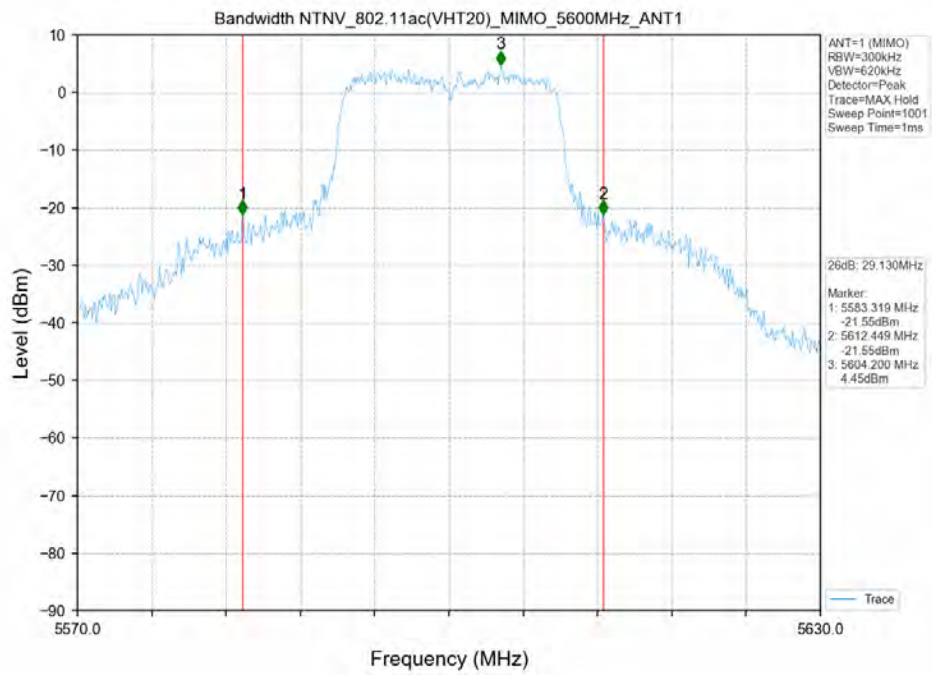
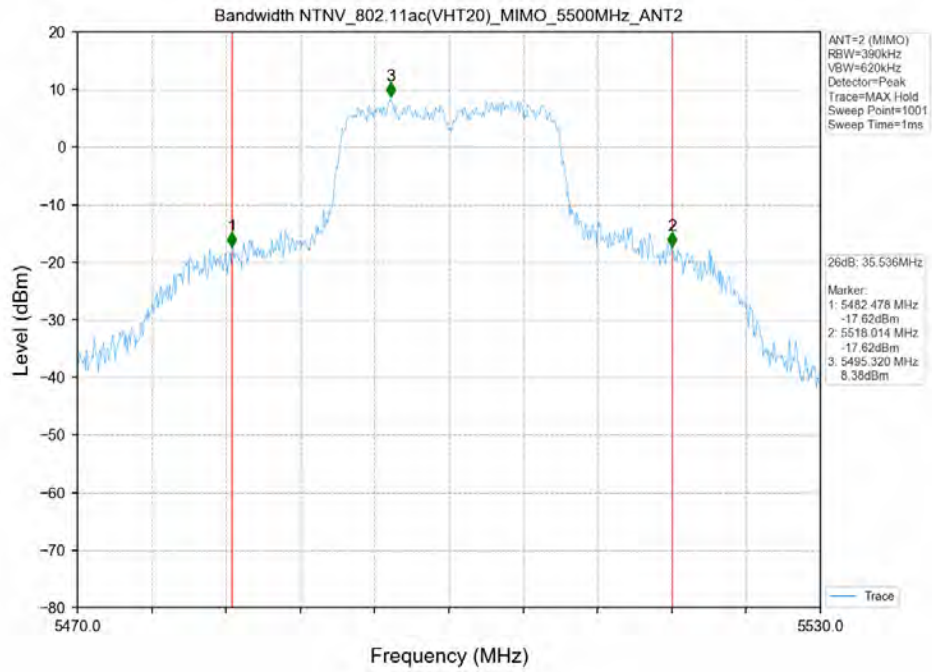


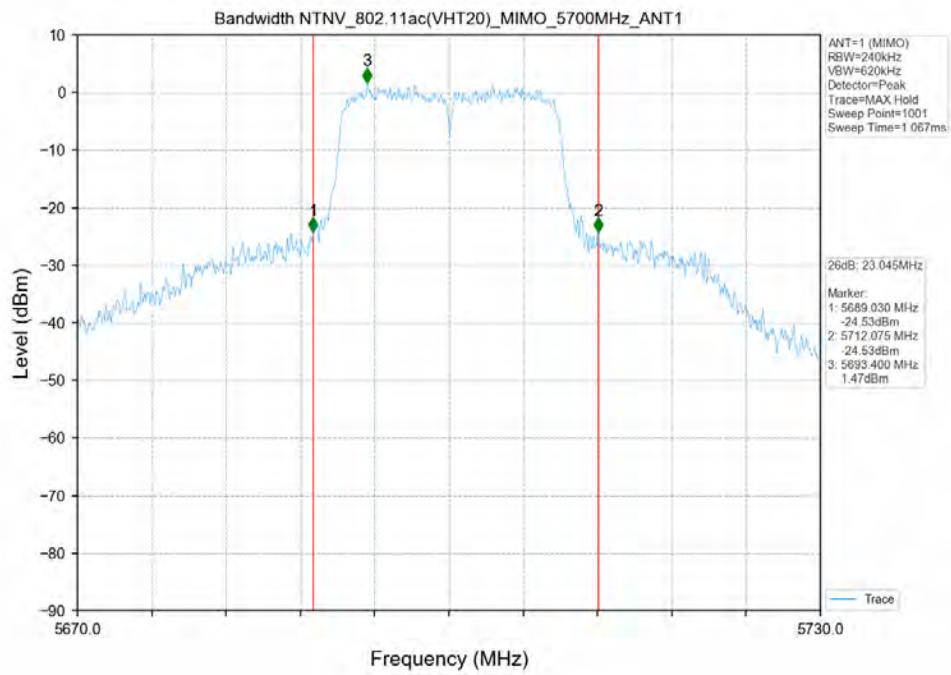
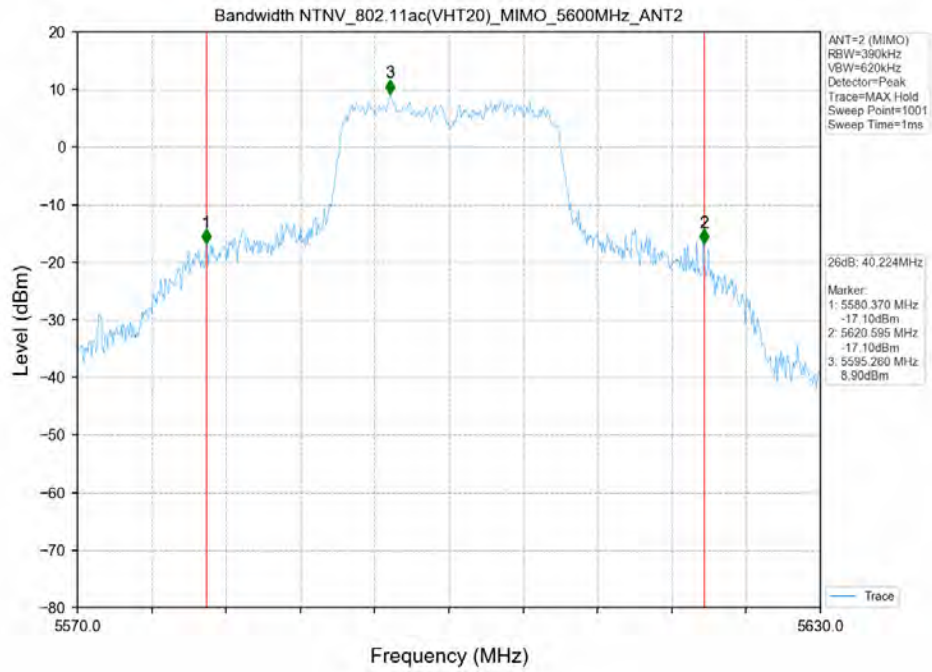


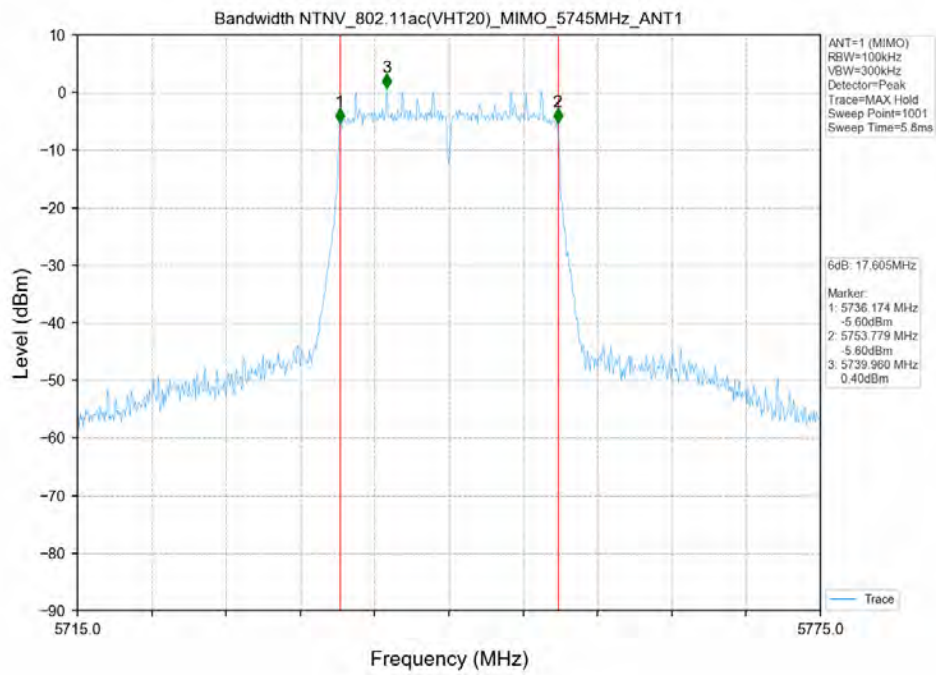
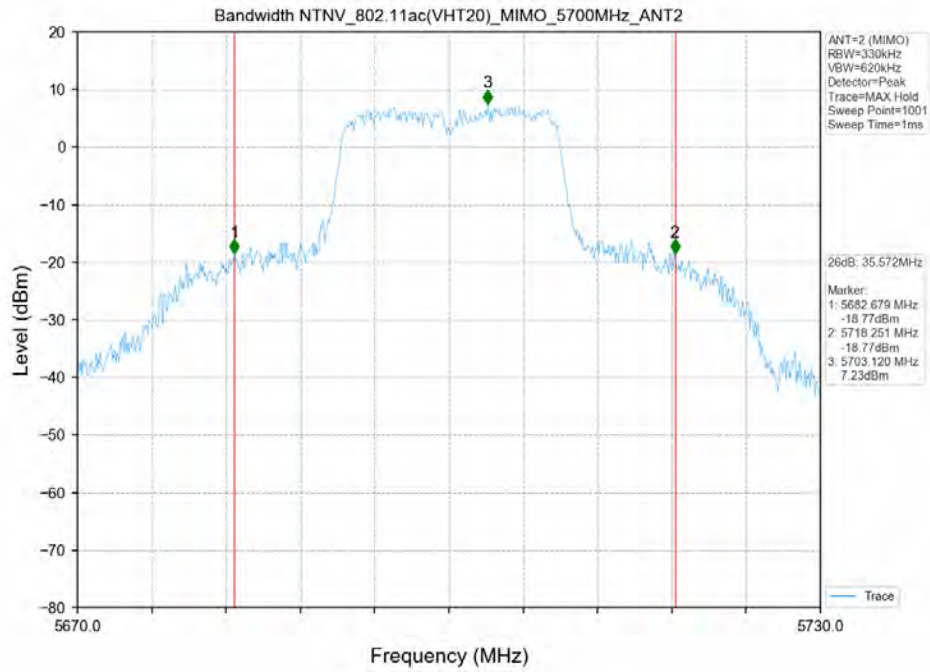


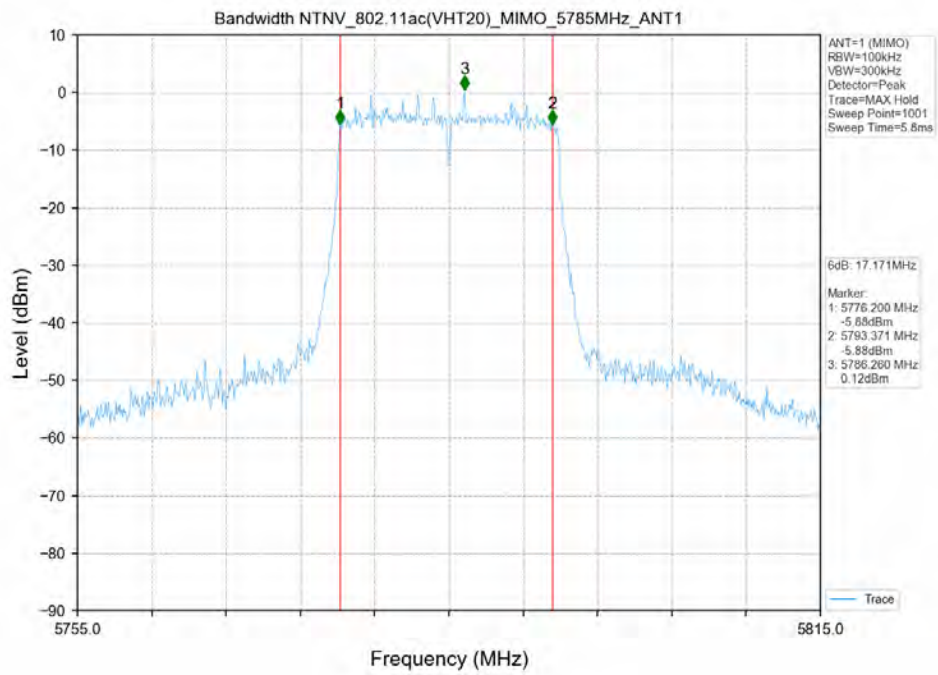
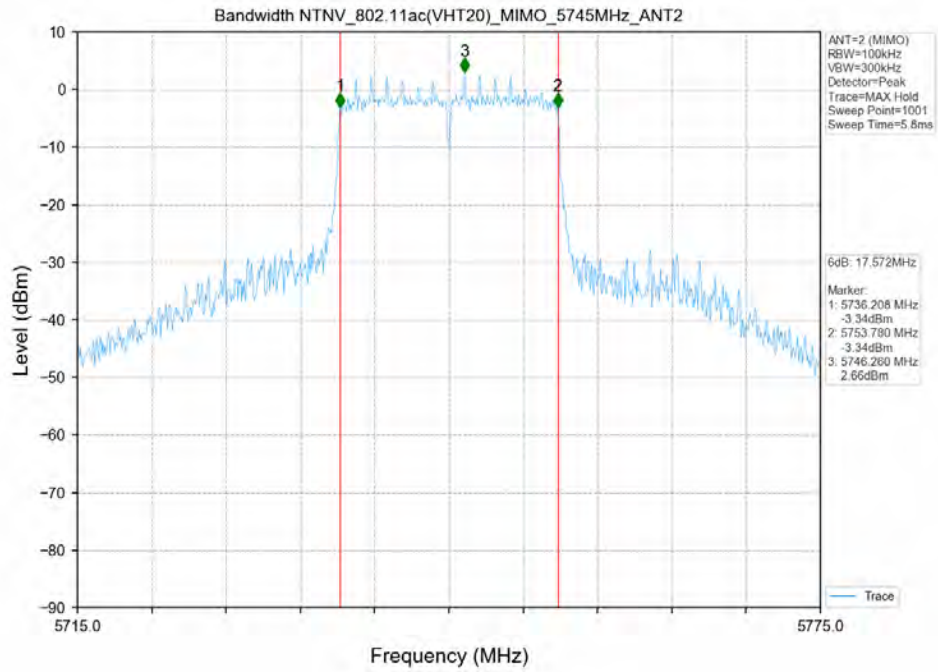


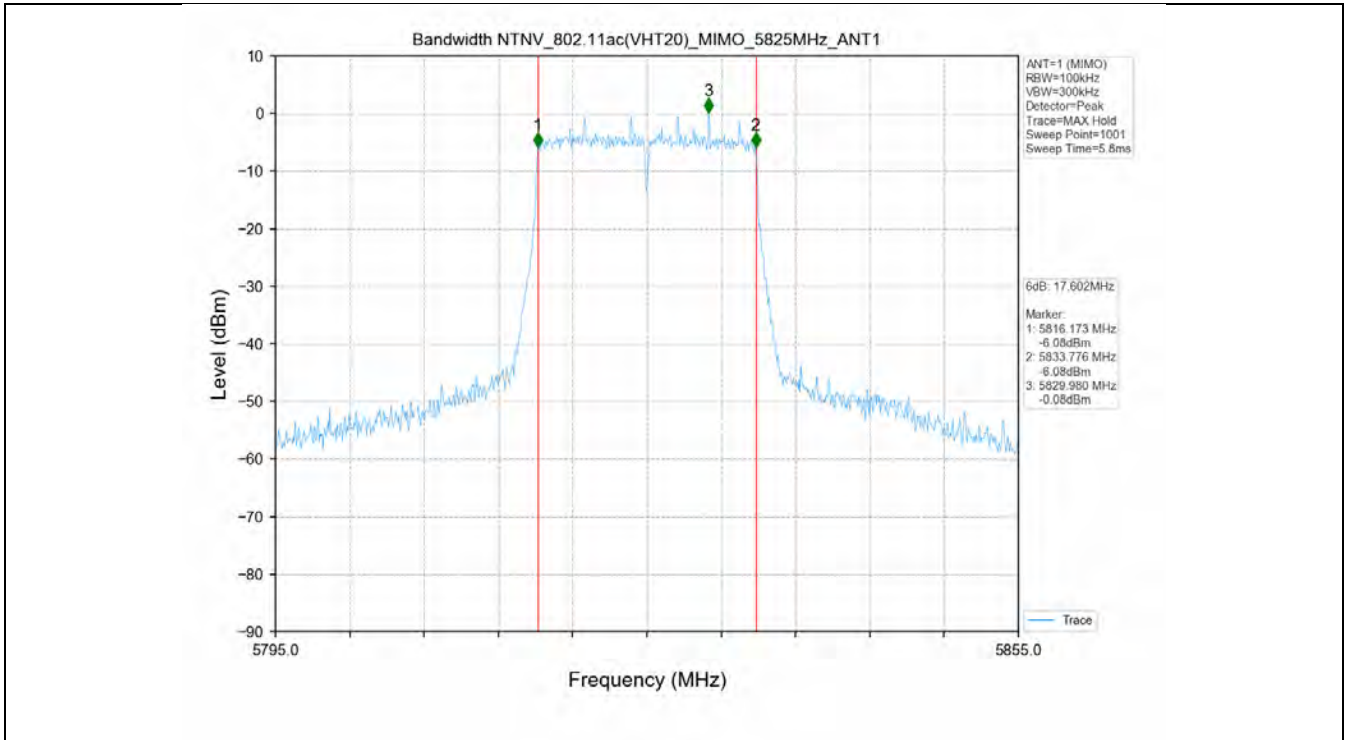
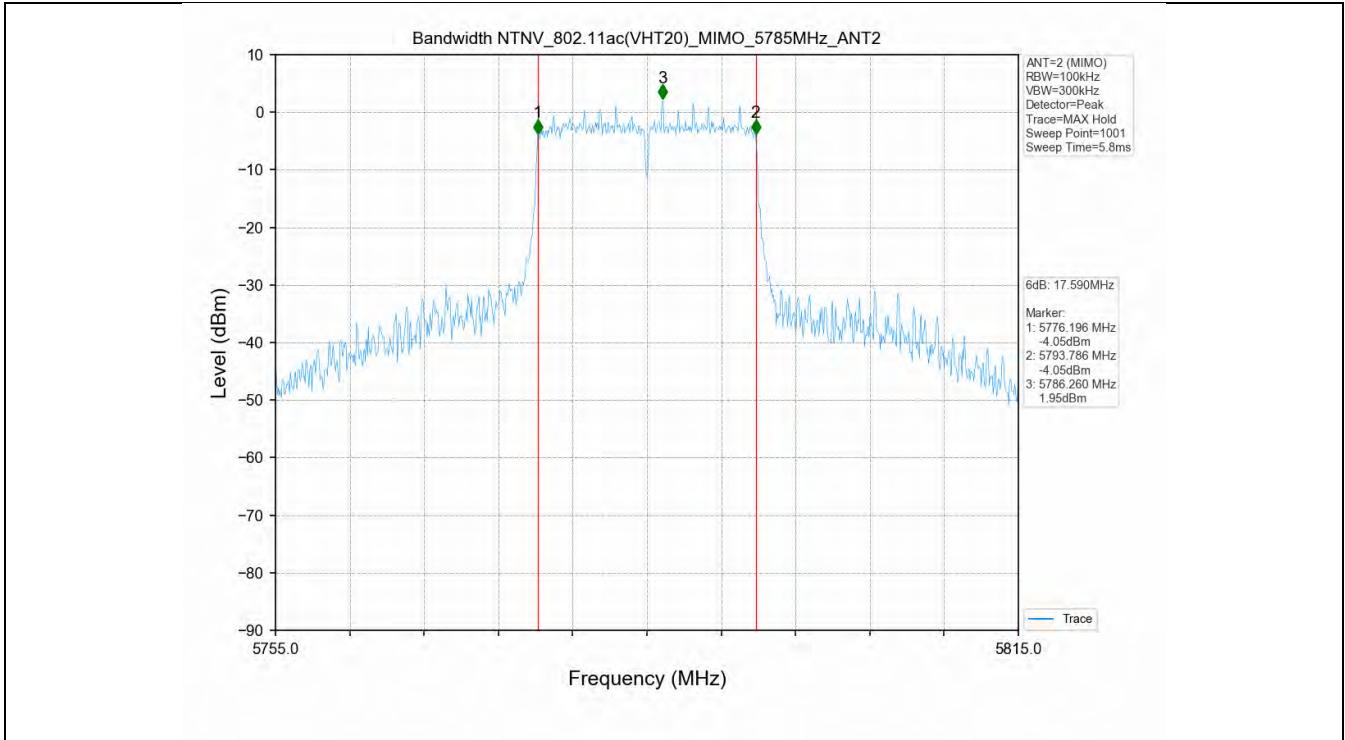


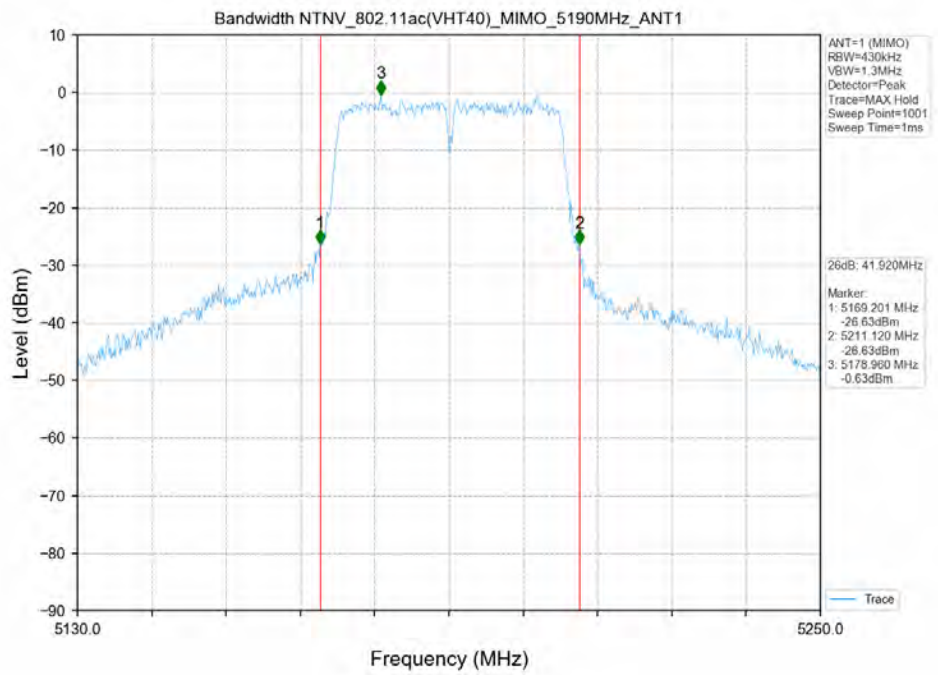
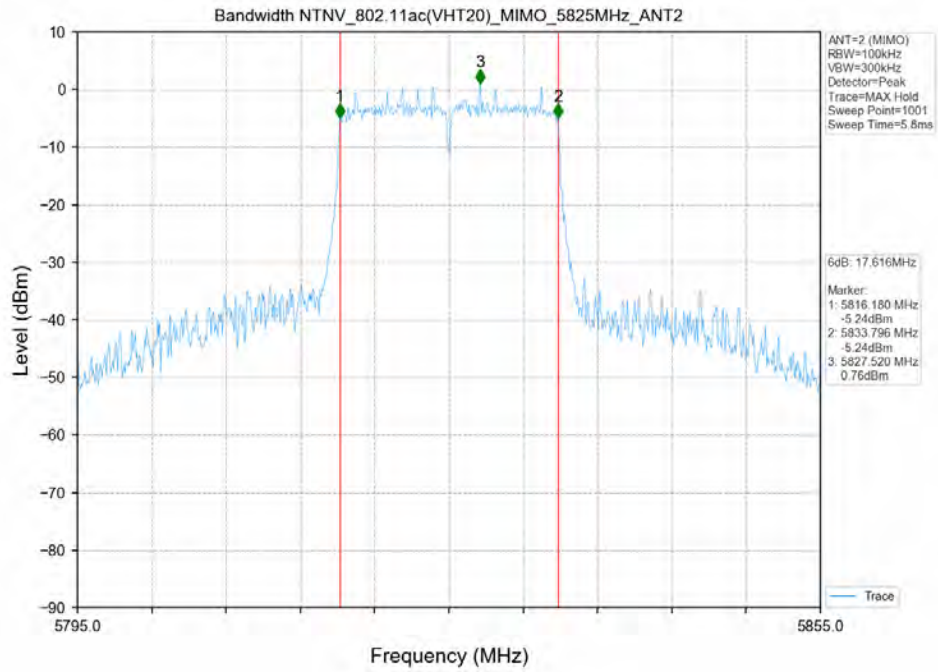


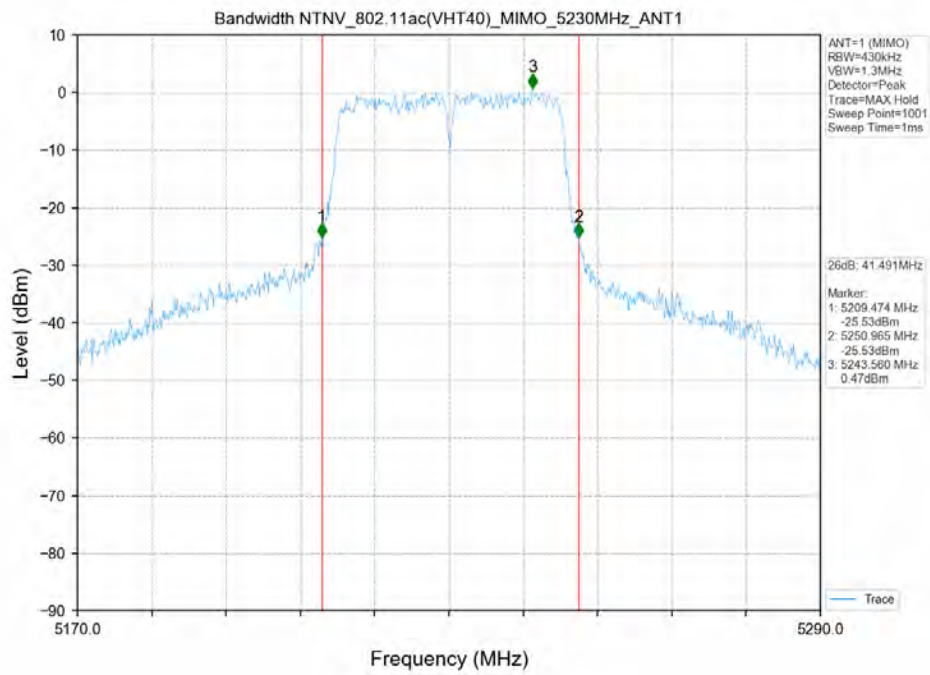
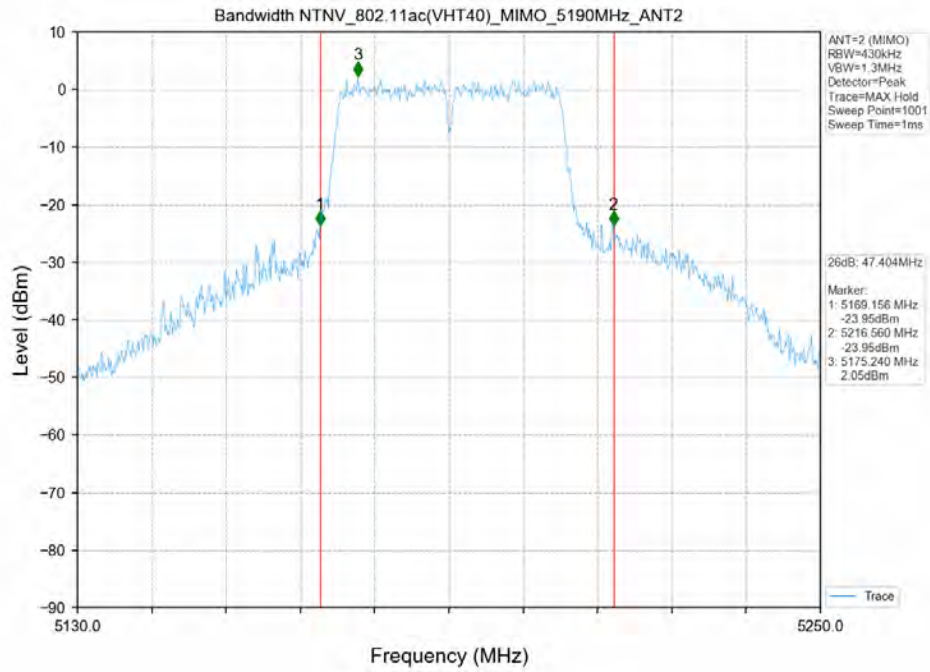


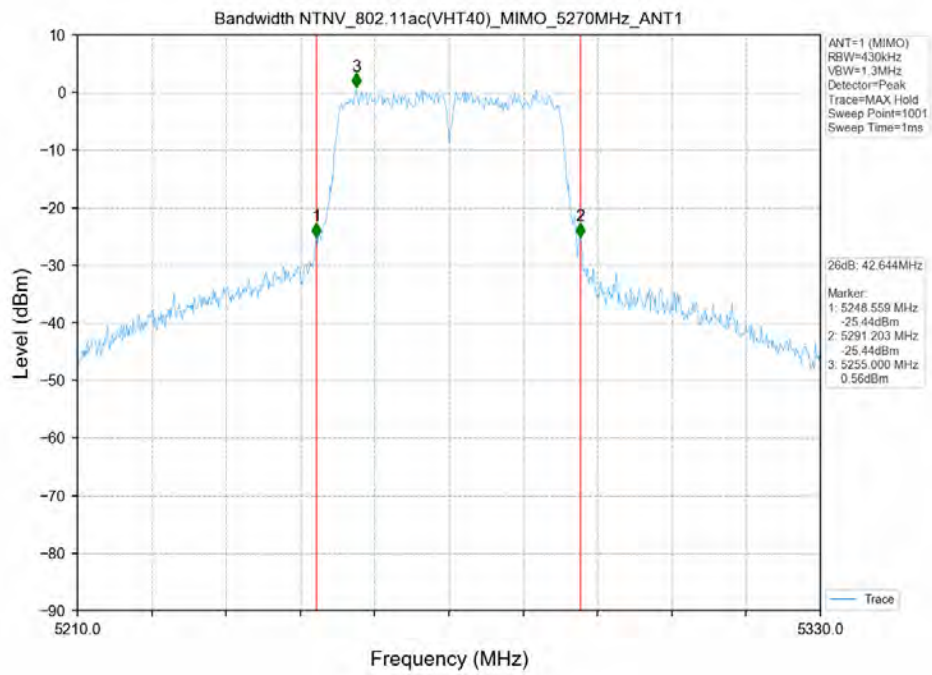
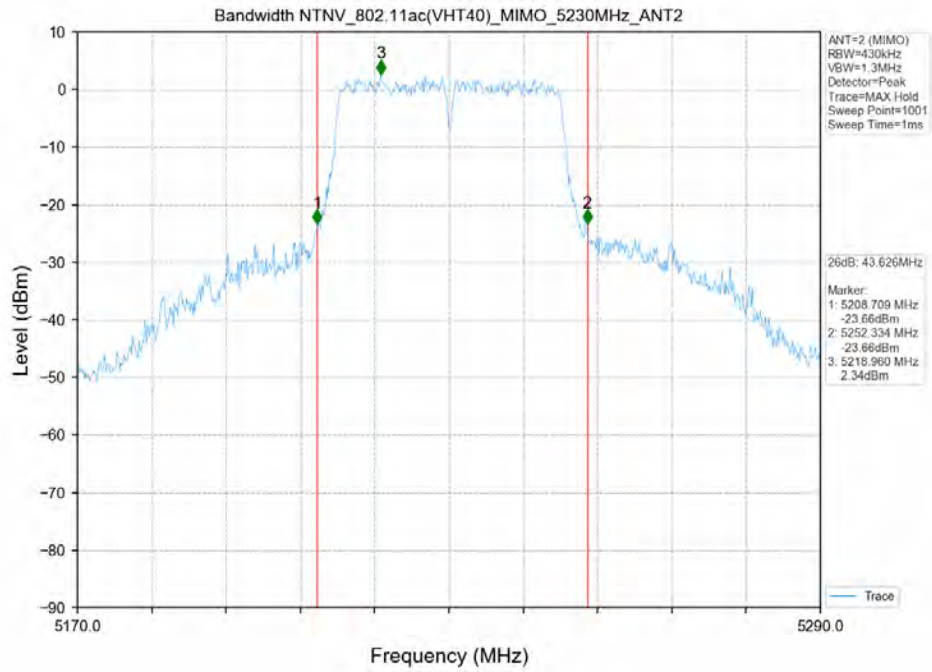


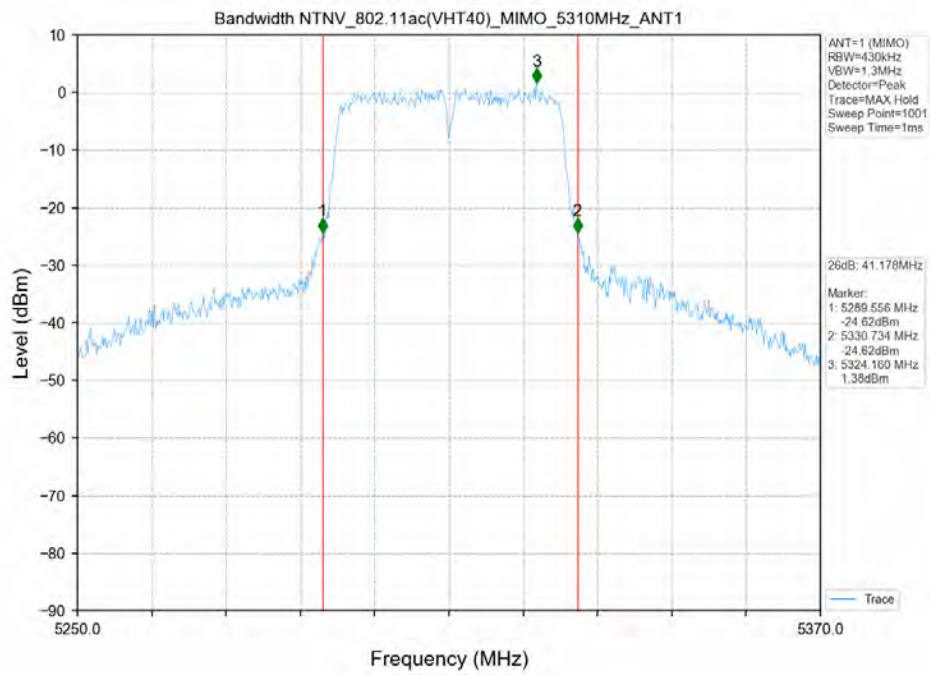
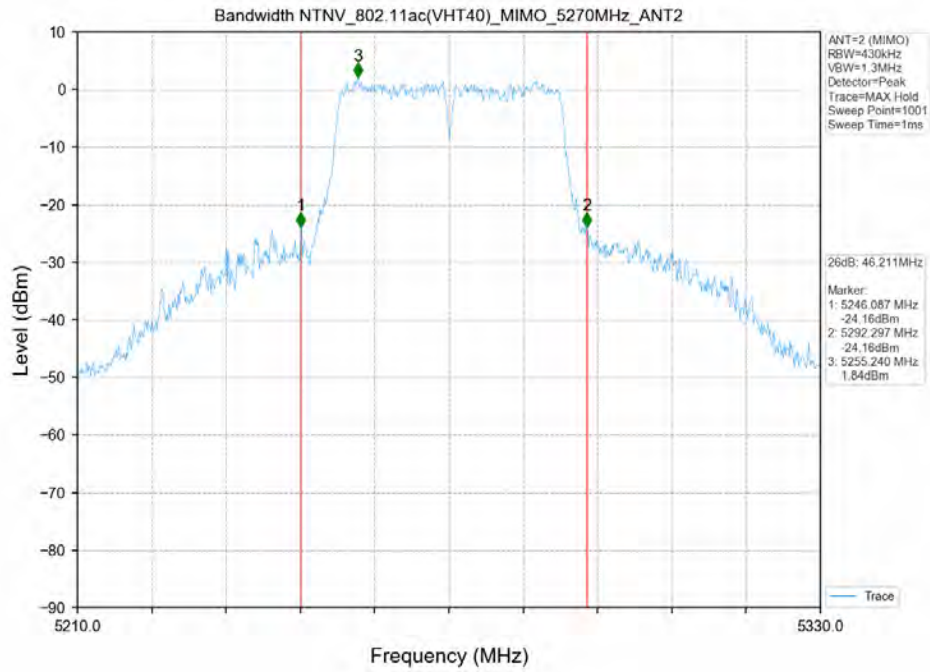


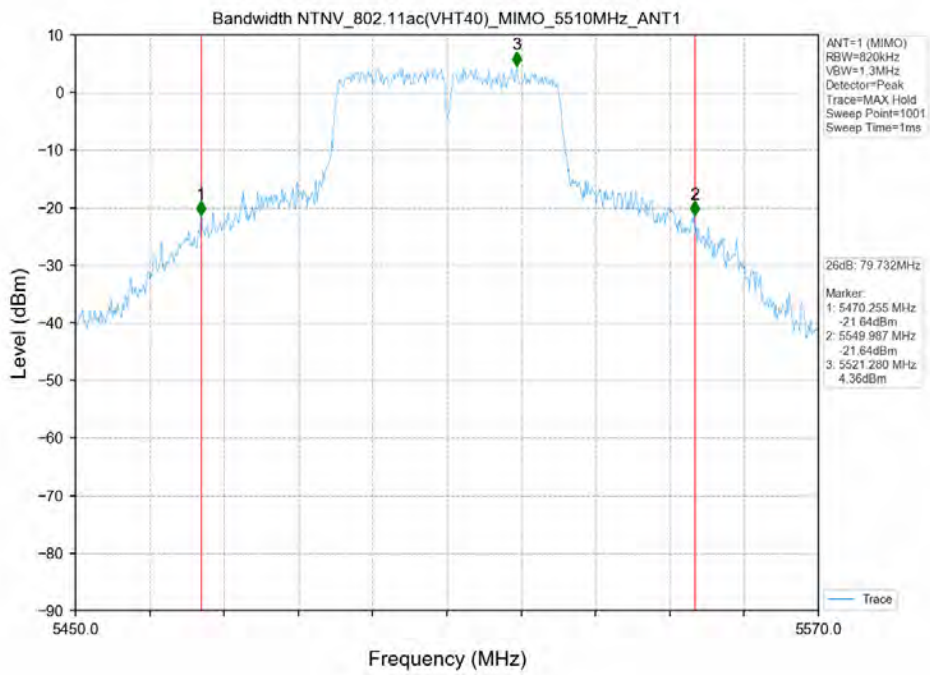
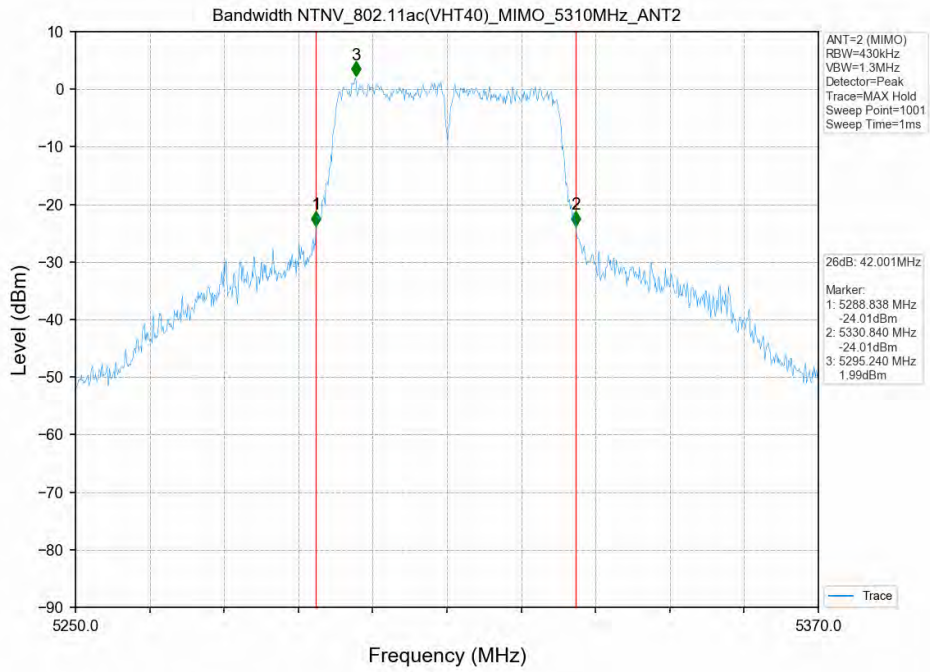


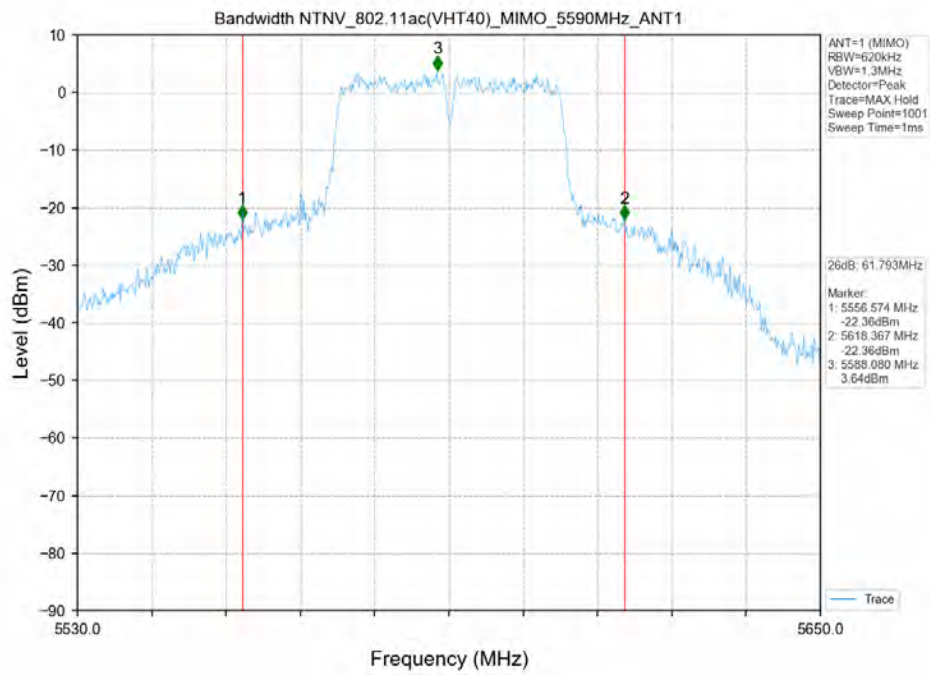
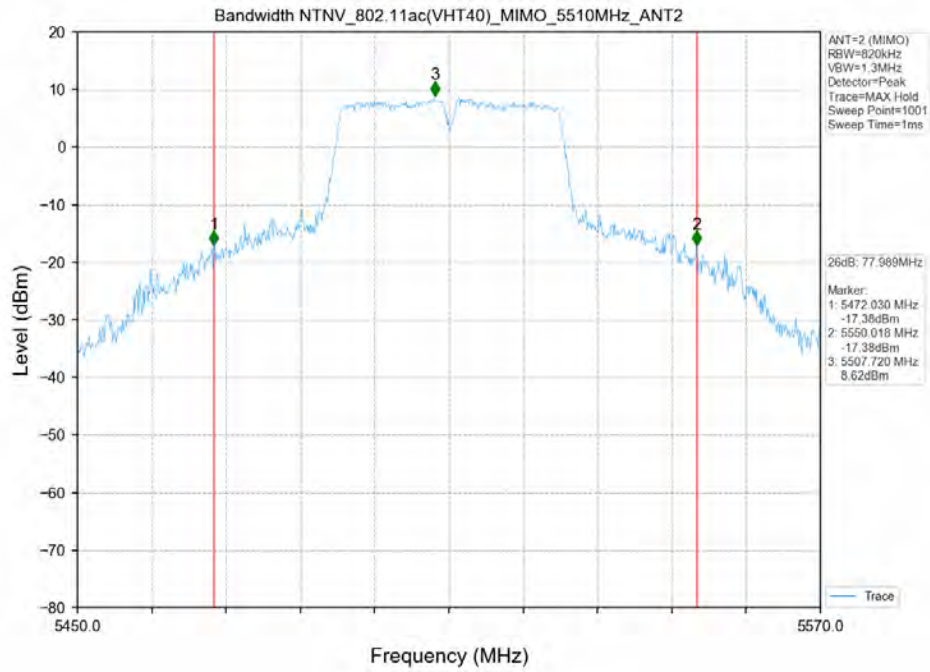


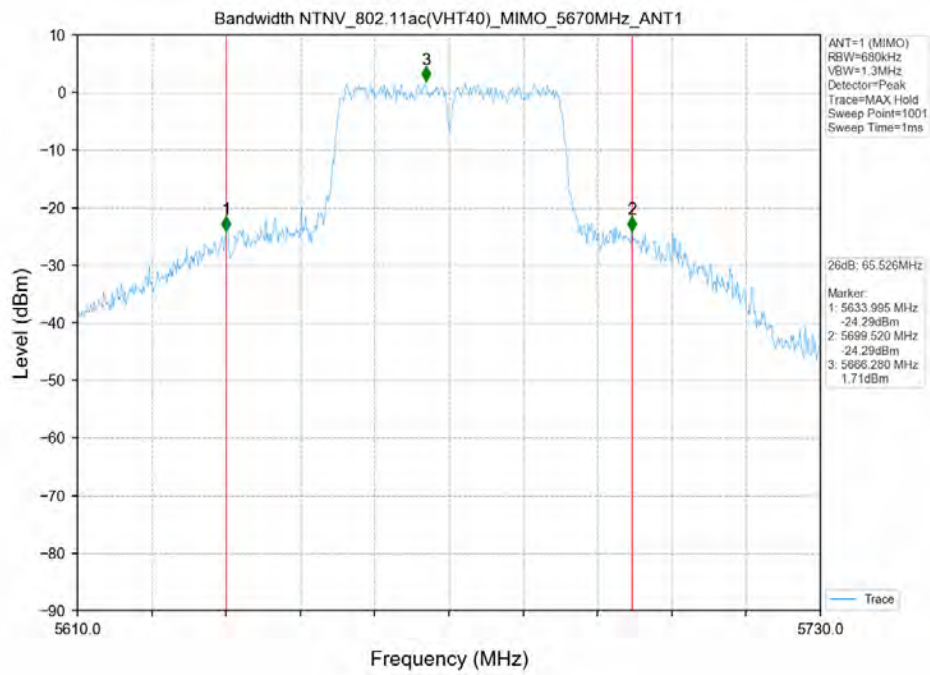
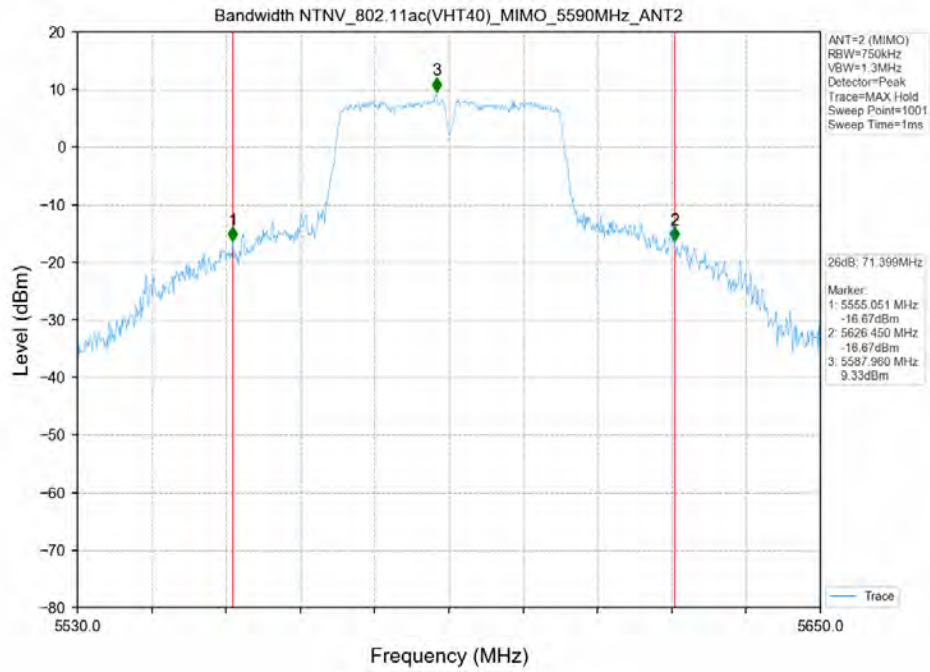


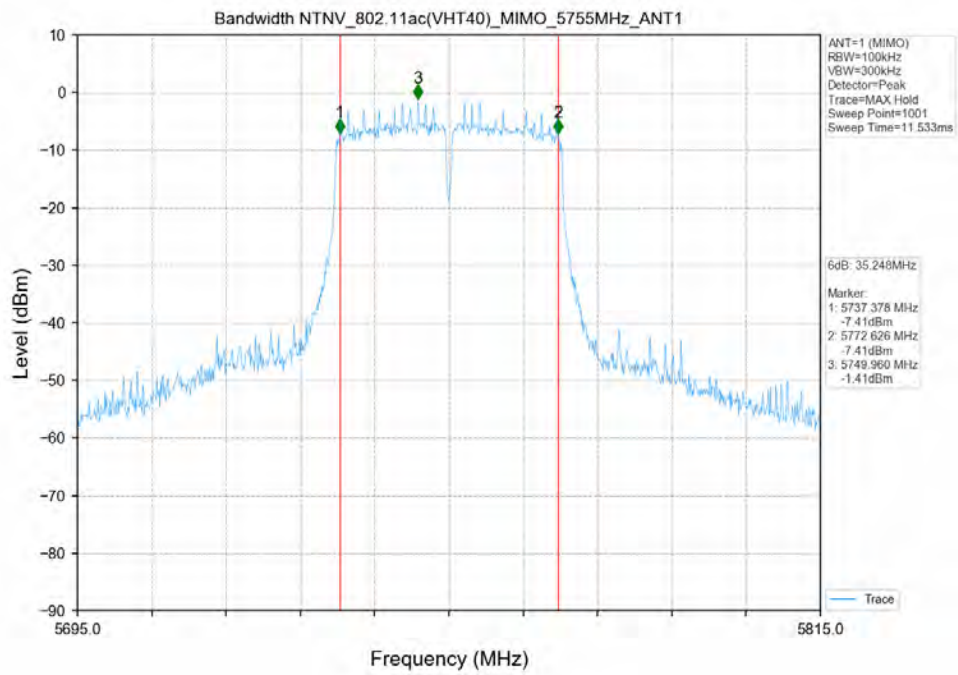
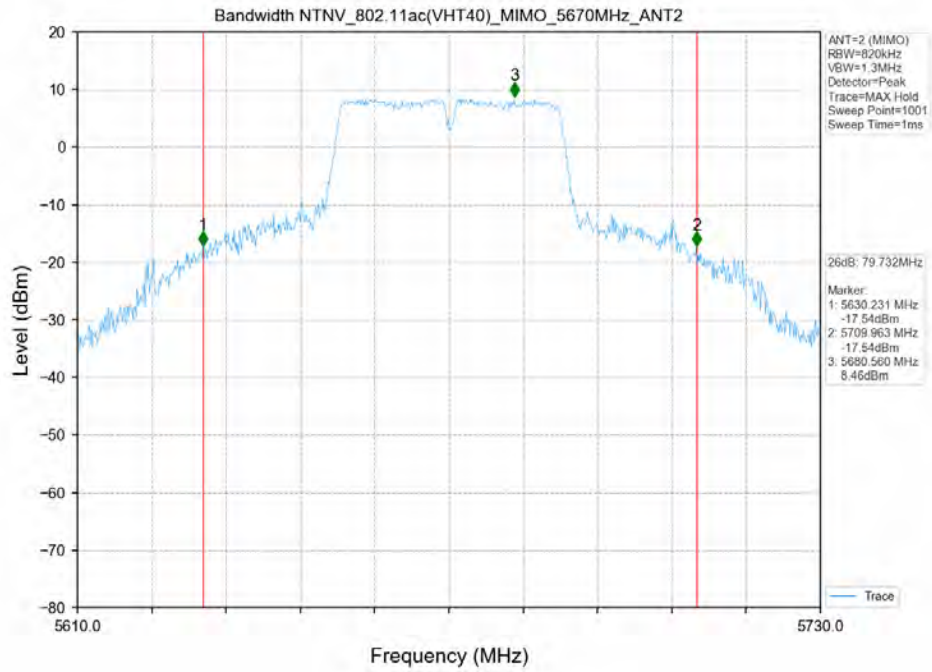


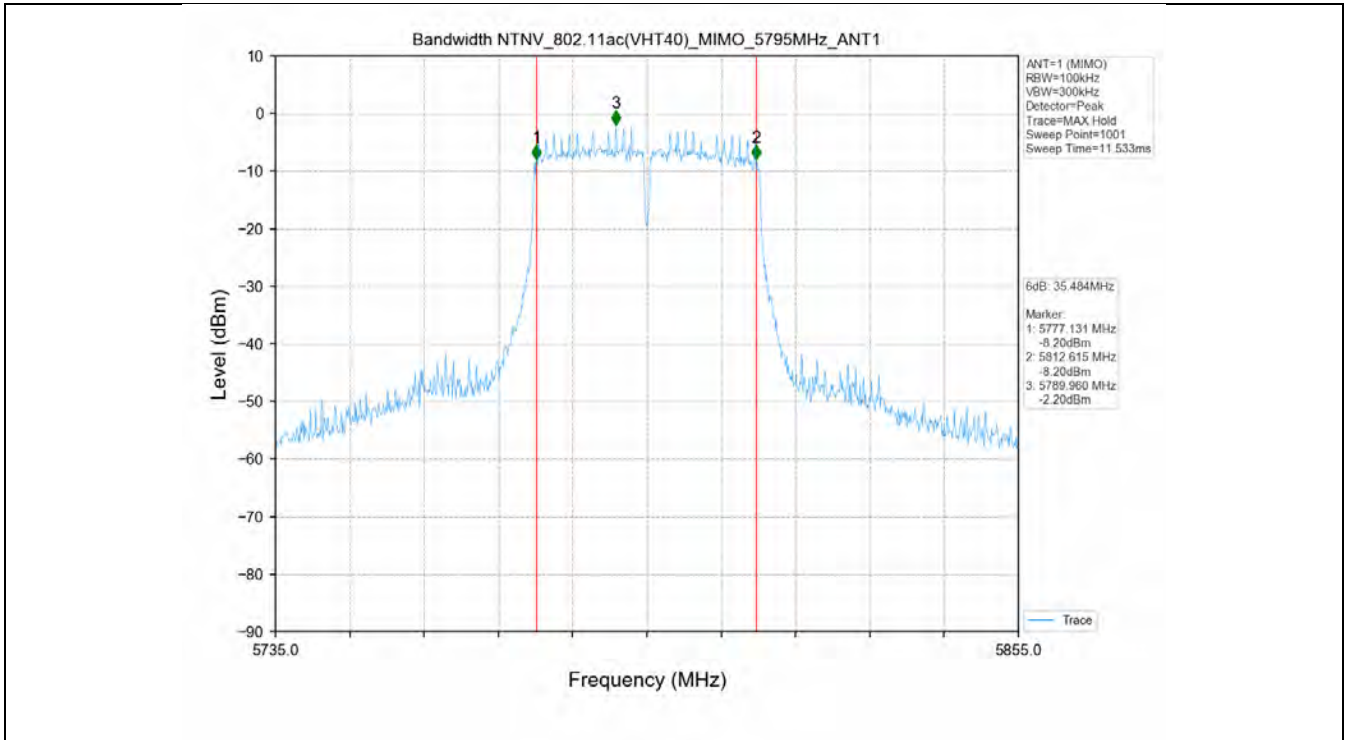
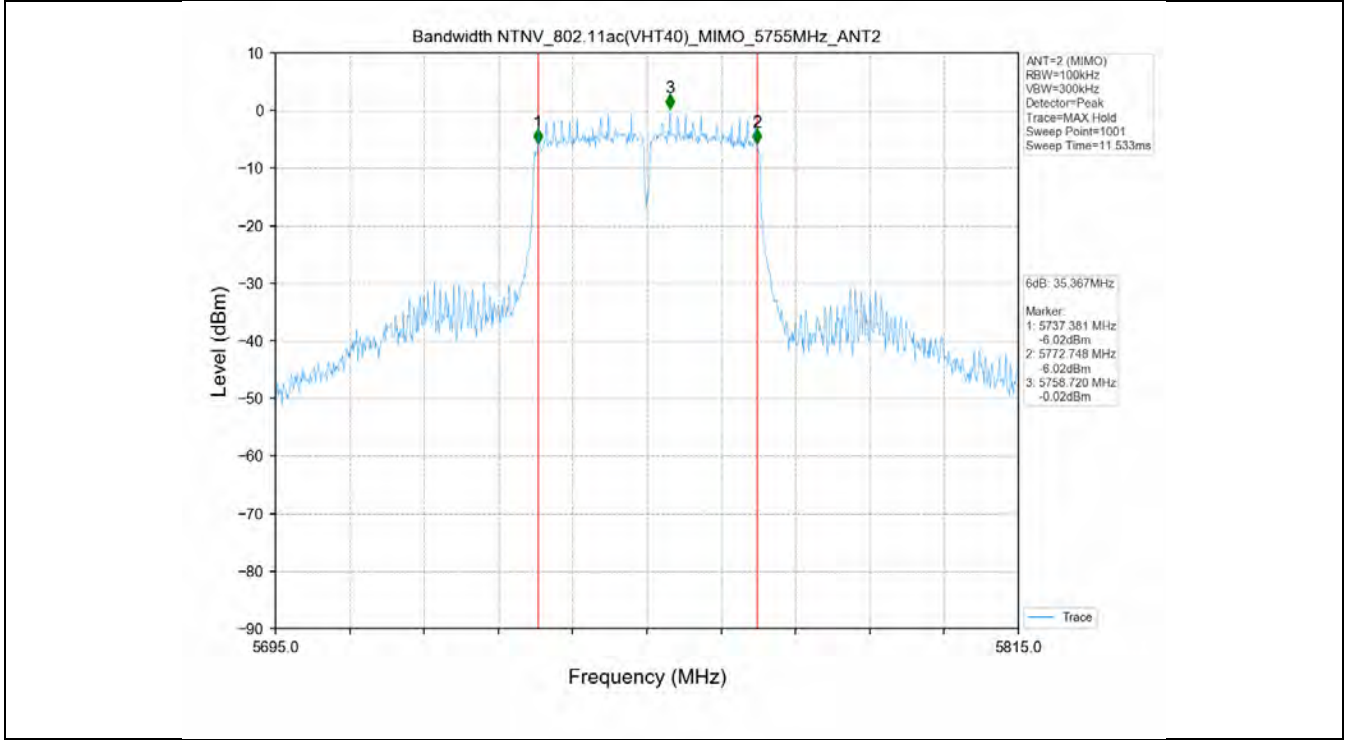


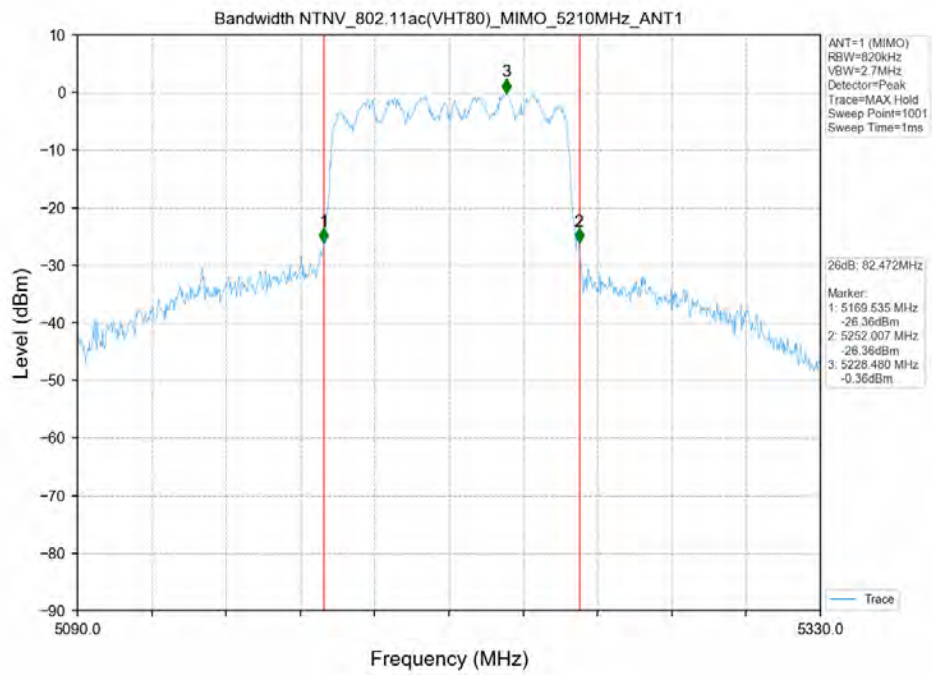
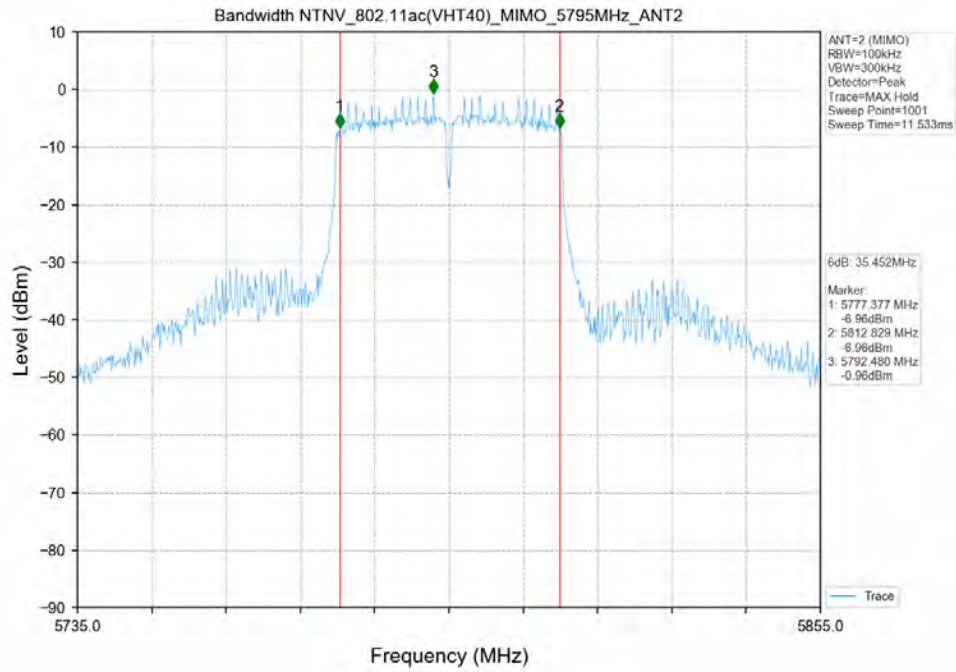


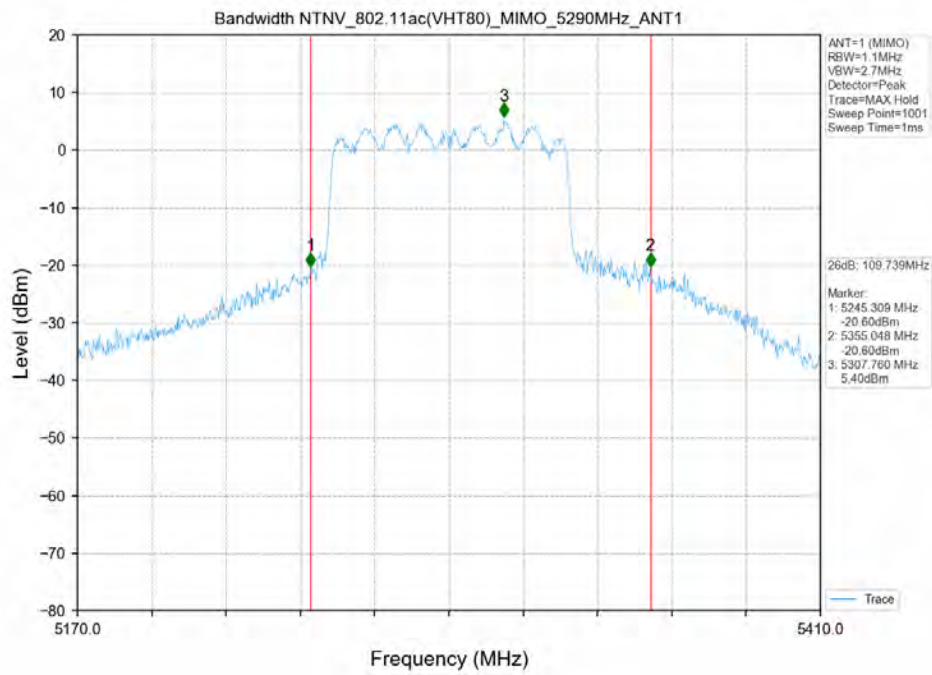
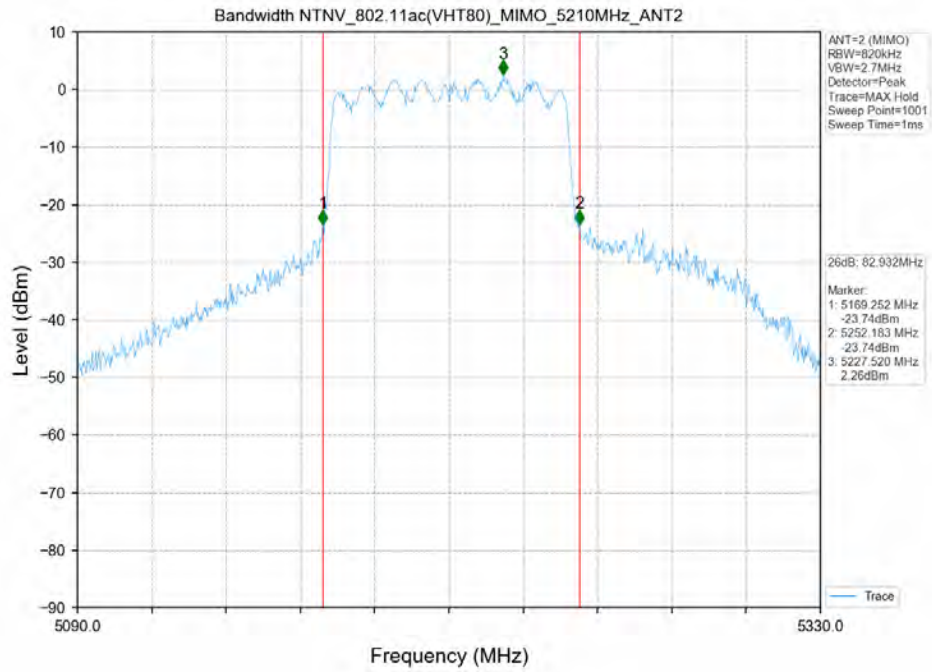


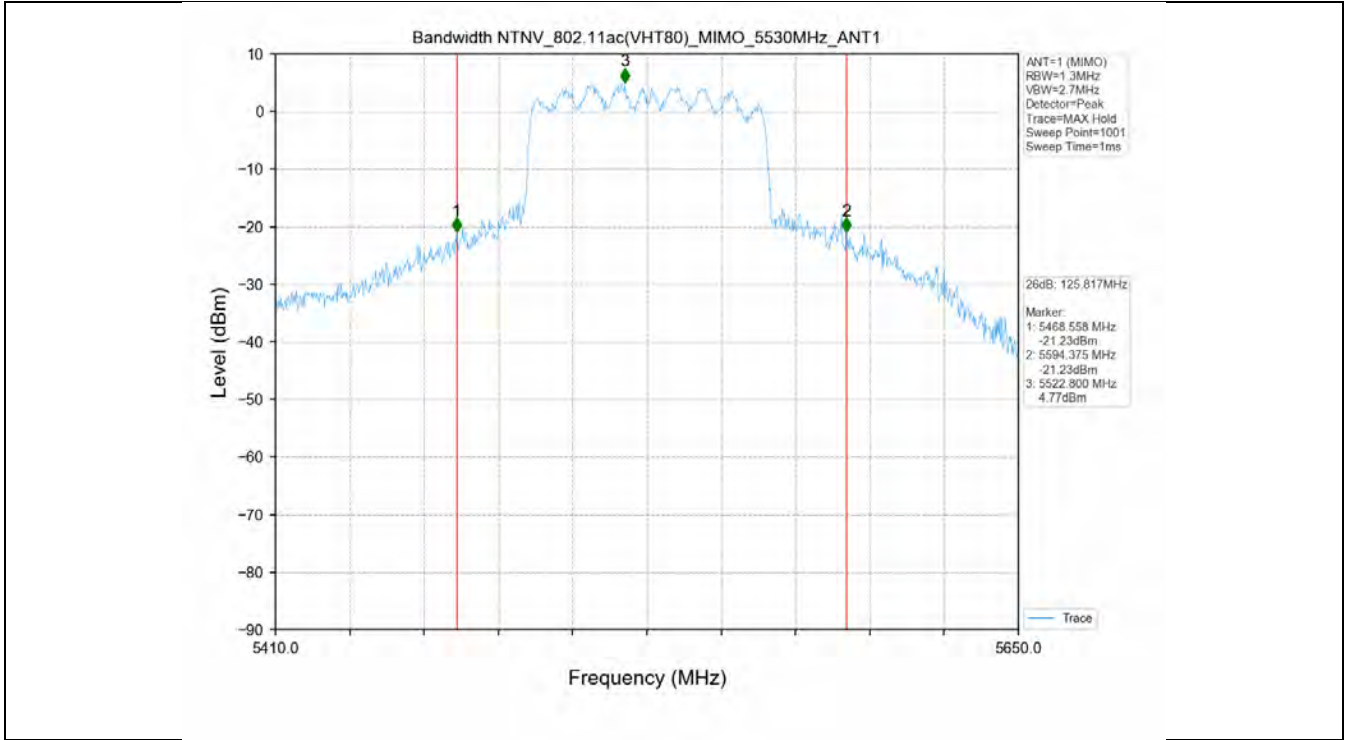
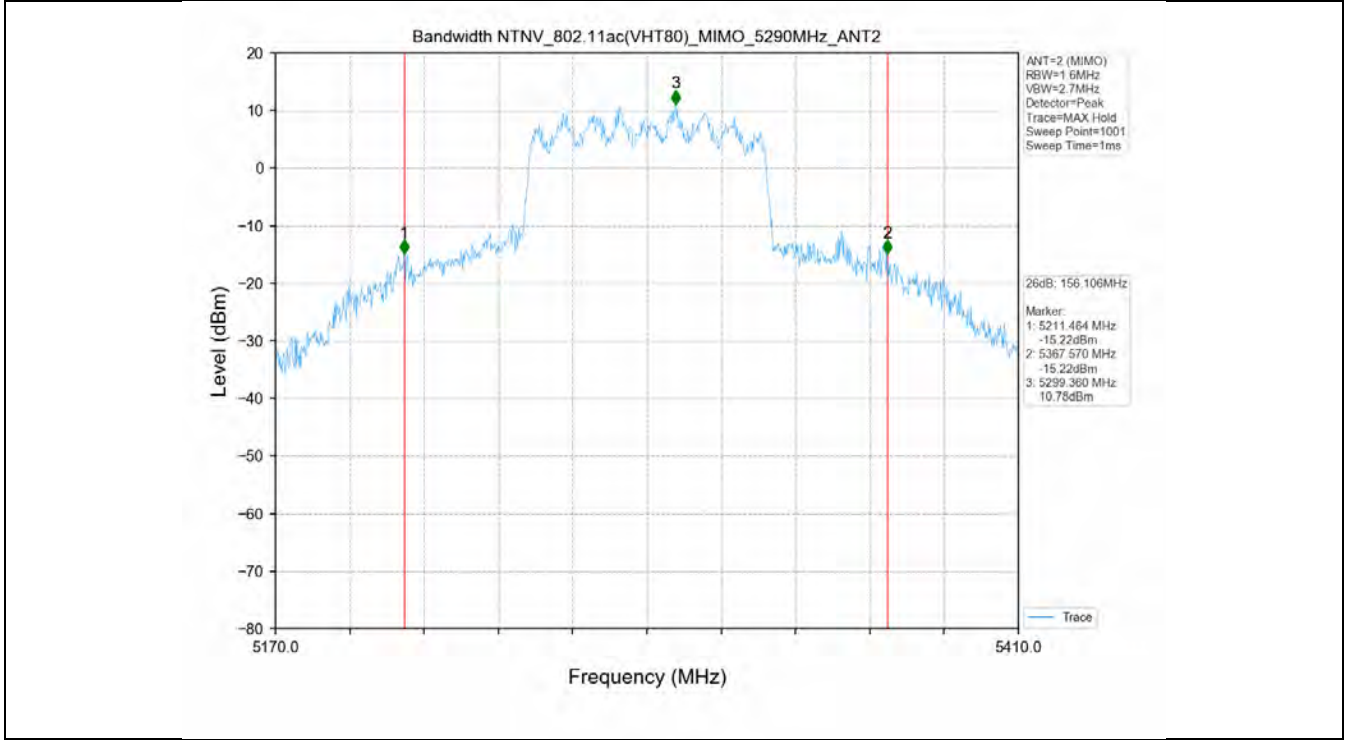


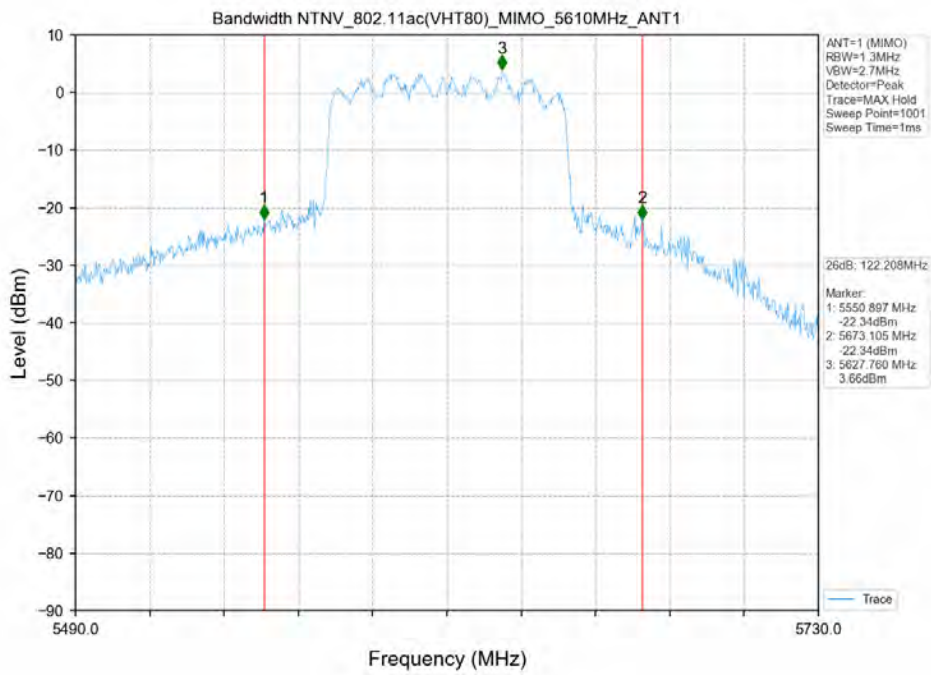
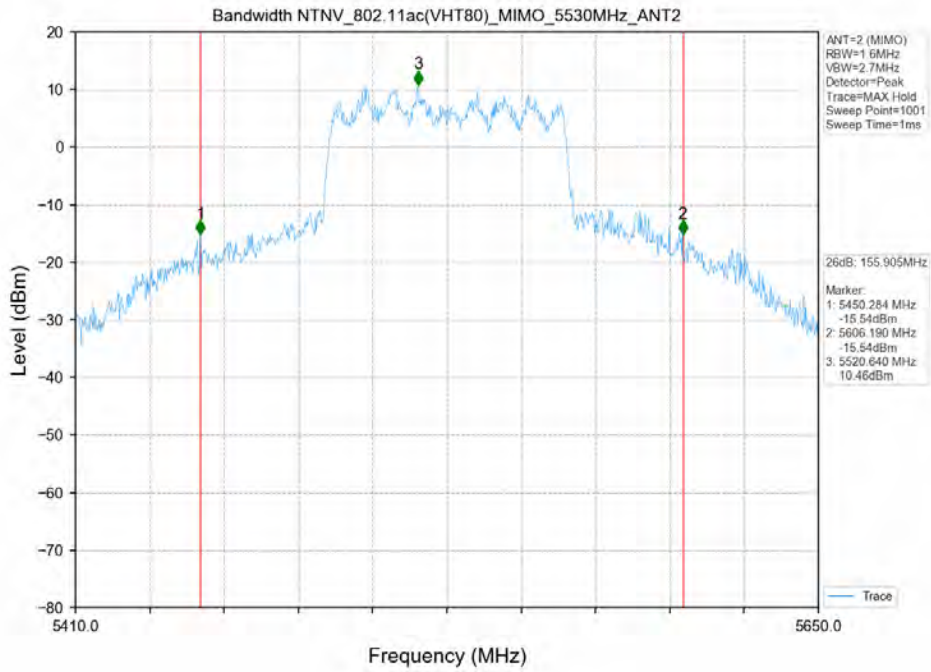


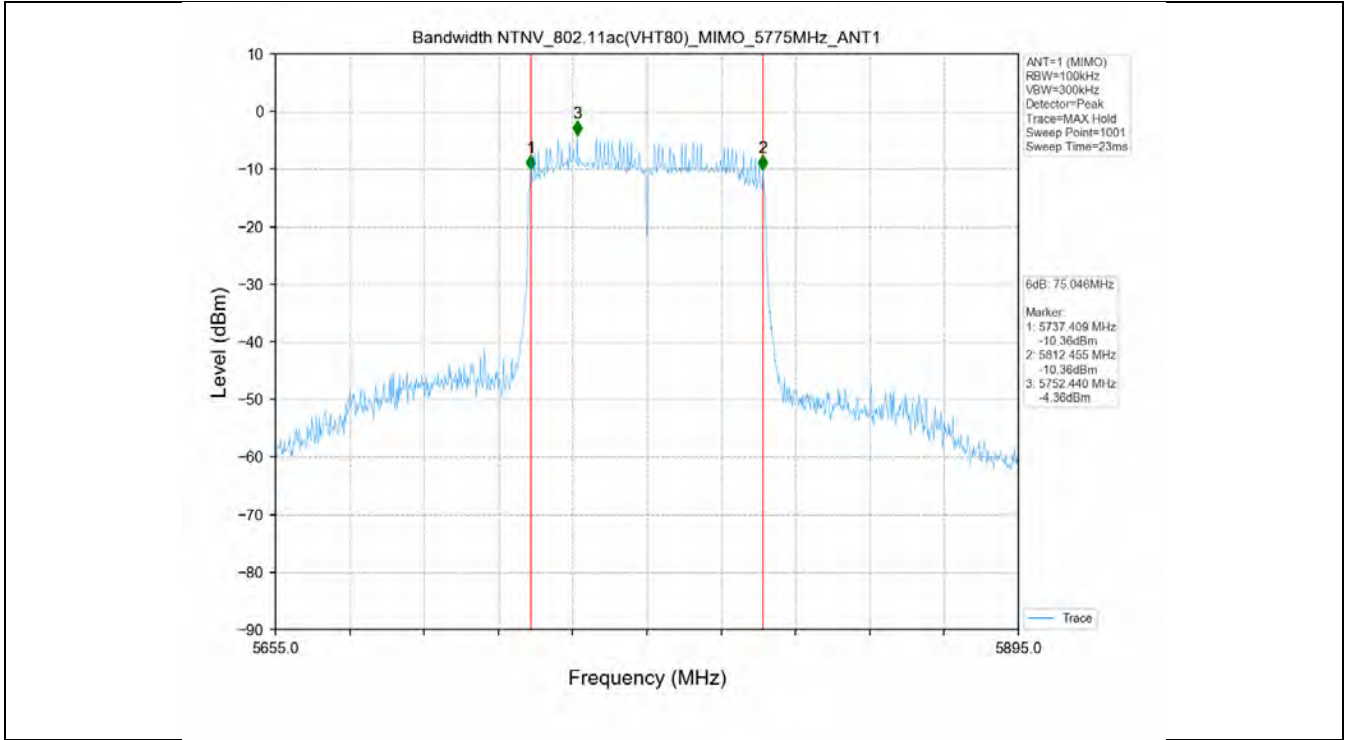
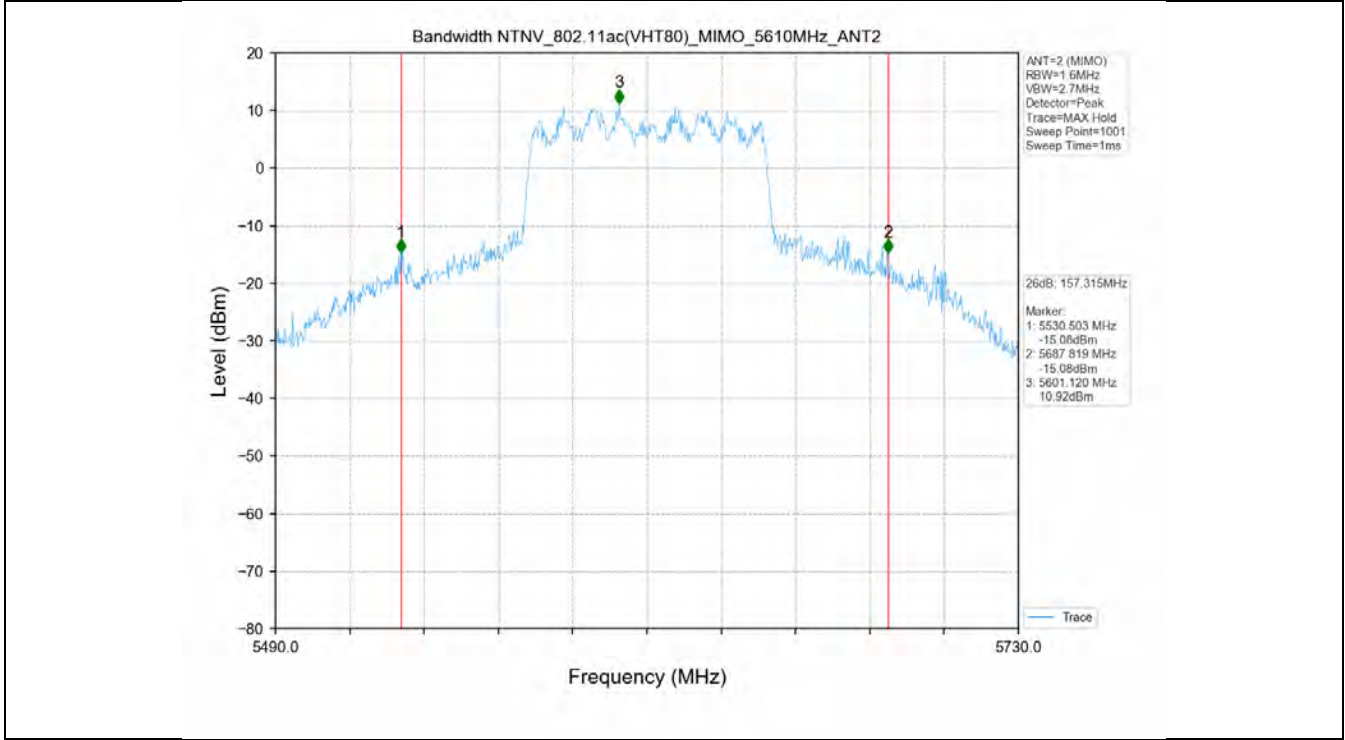


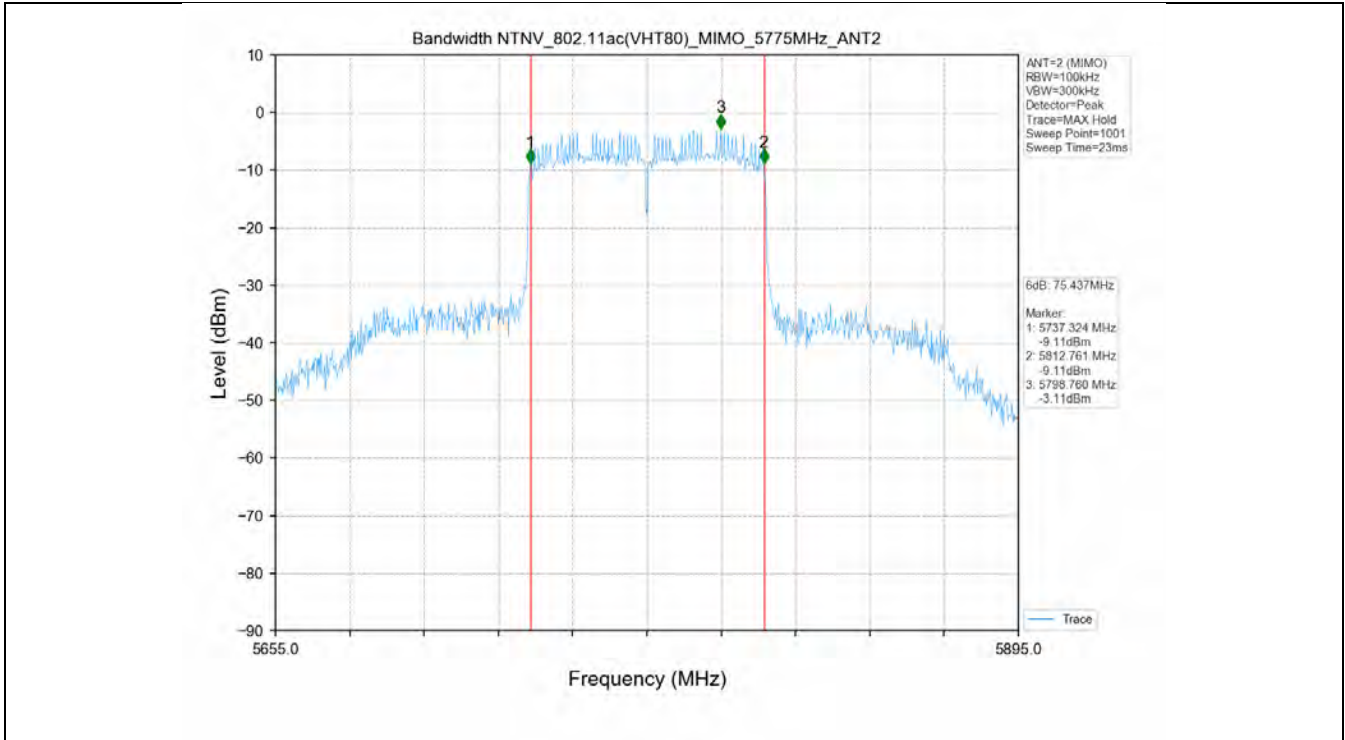












2.3 Test Graph - 99% Occupied Bandwidth

