



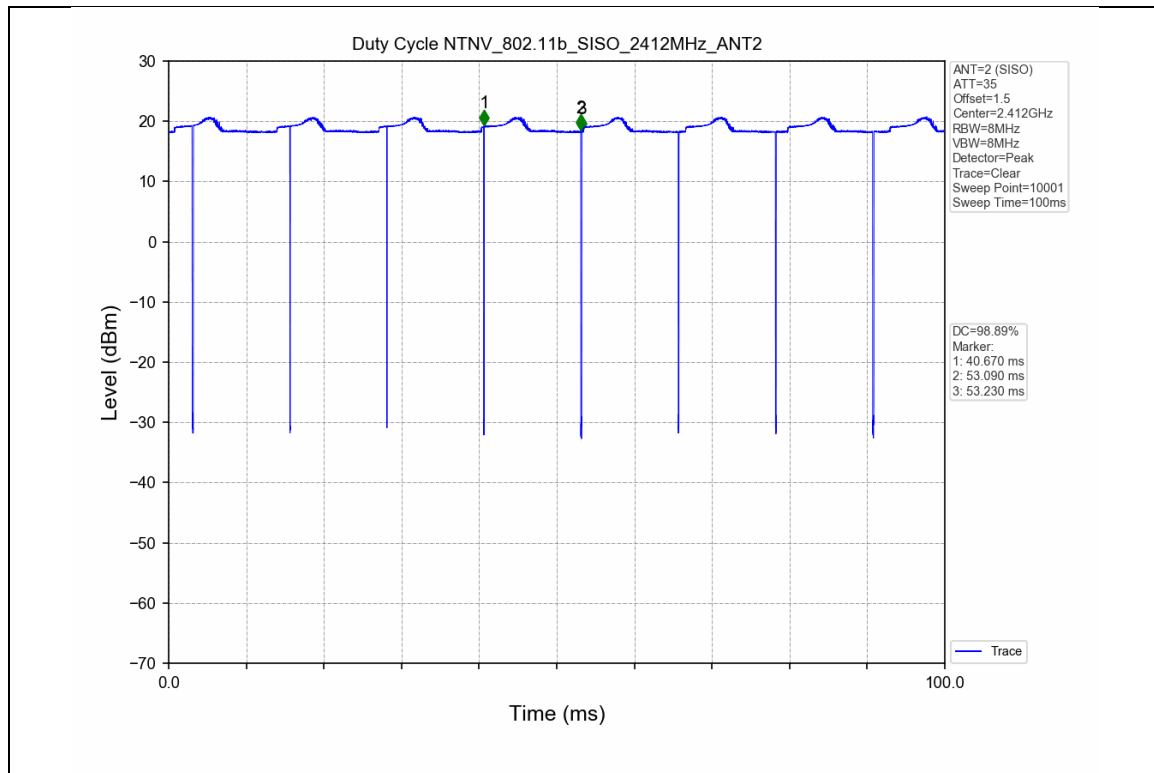
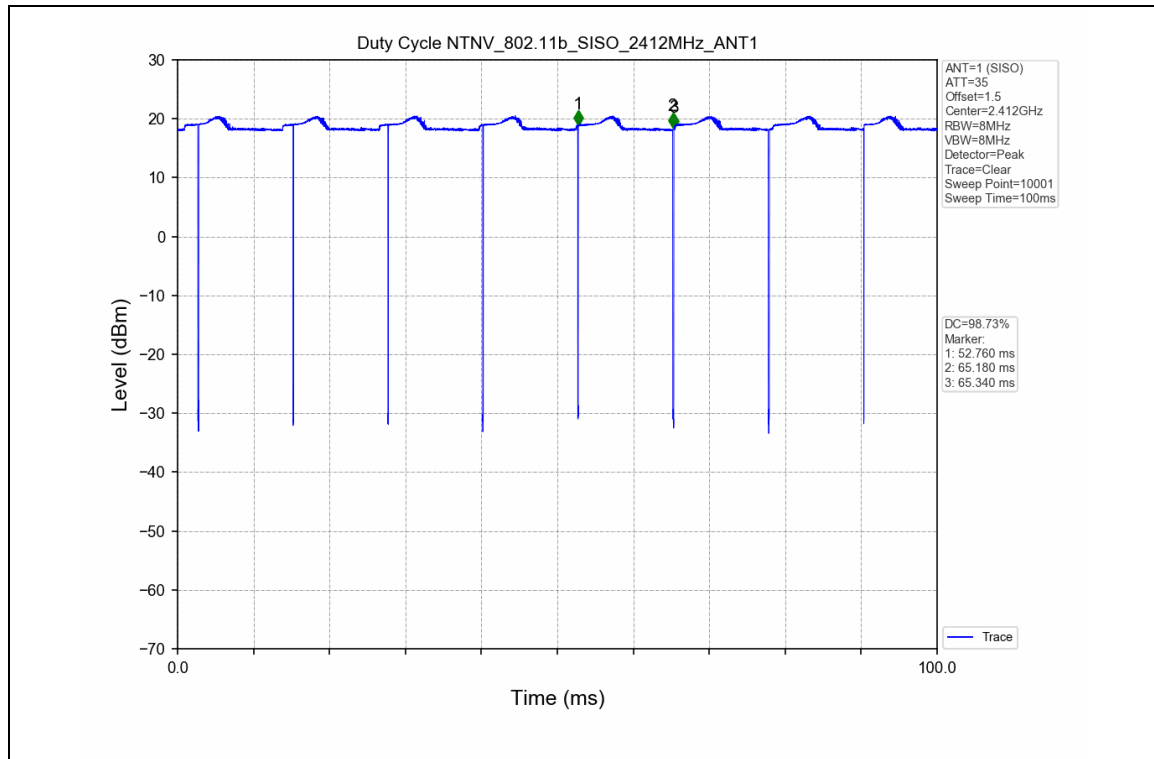
Appendix A for SHEM210500508801

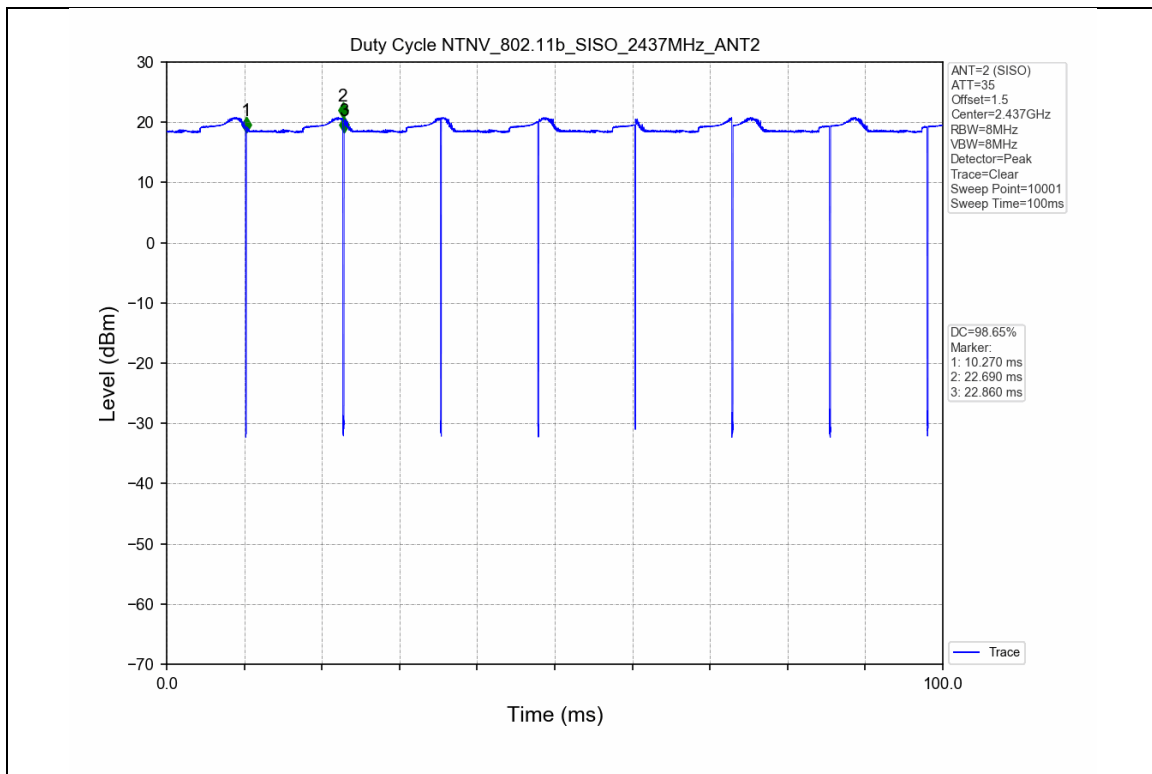
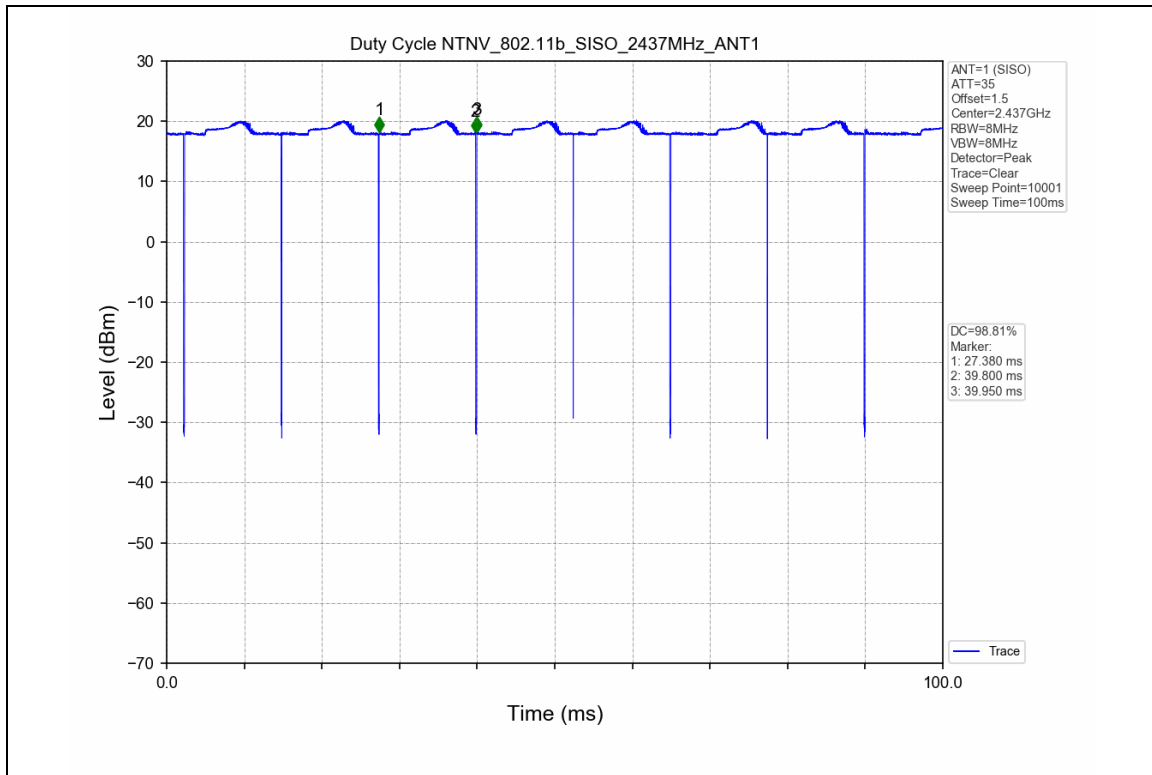
1. Duty Cycle

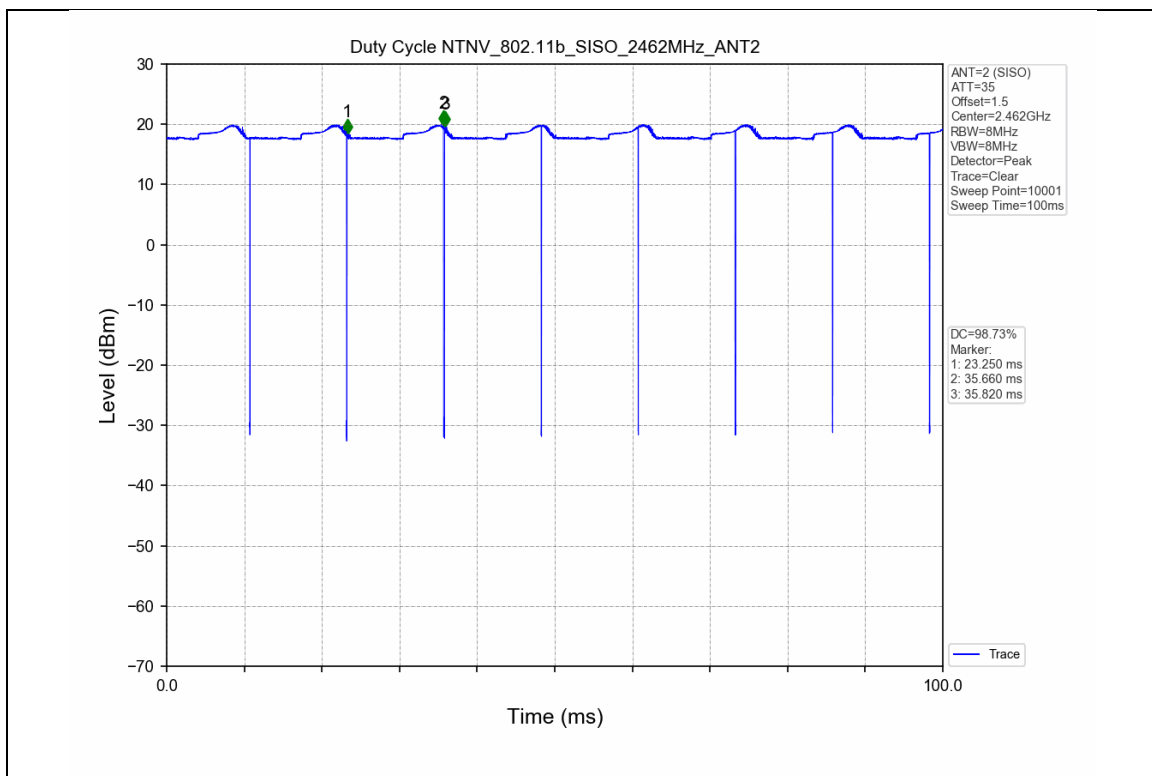
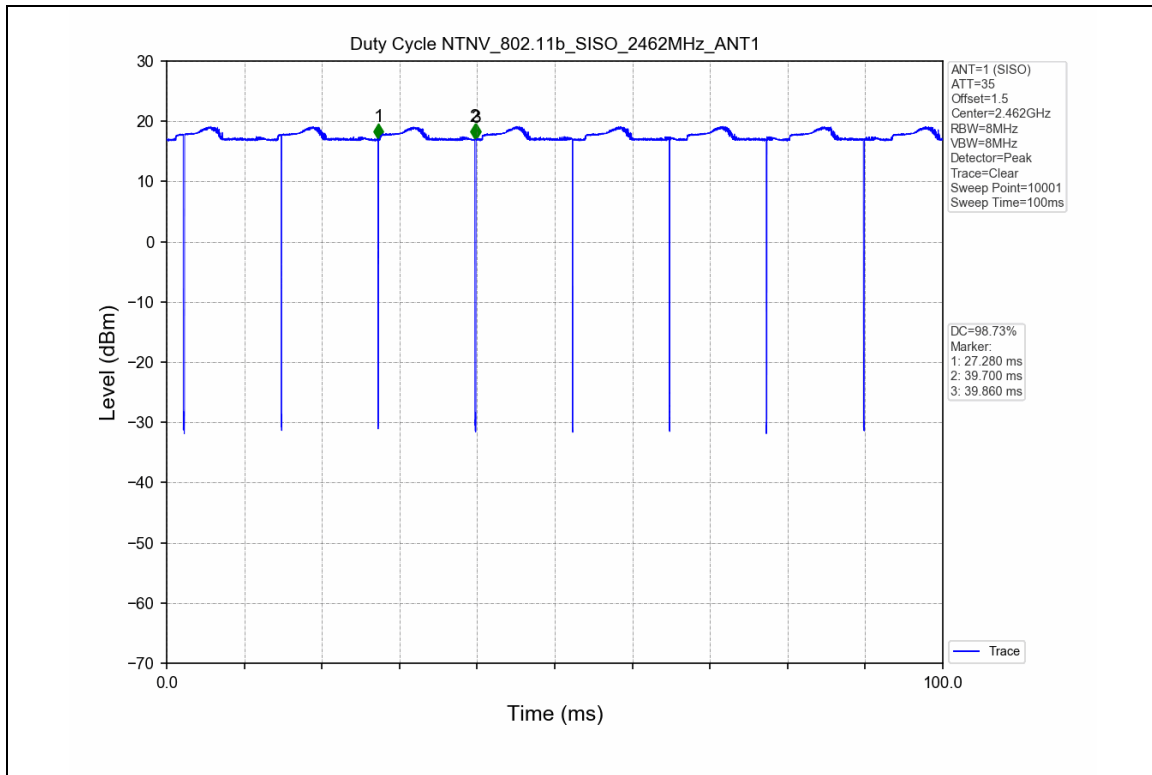
1.1 Test Result

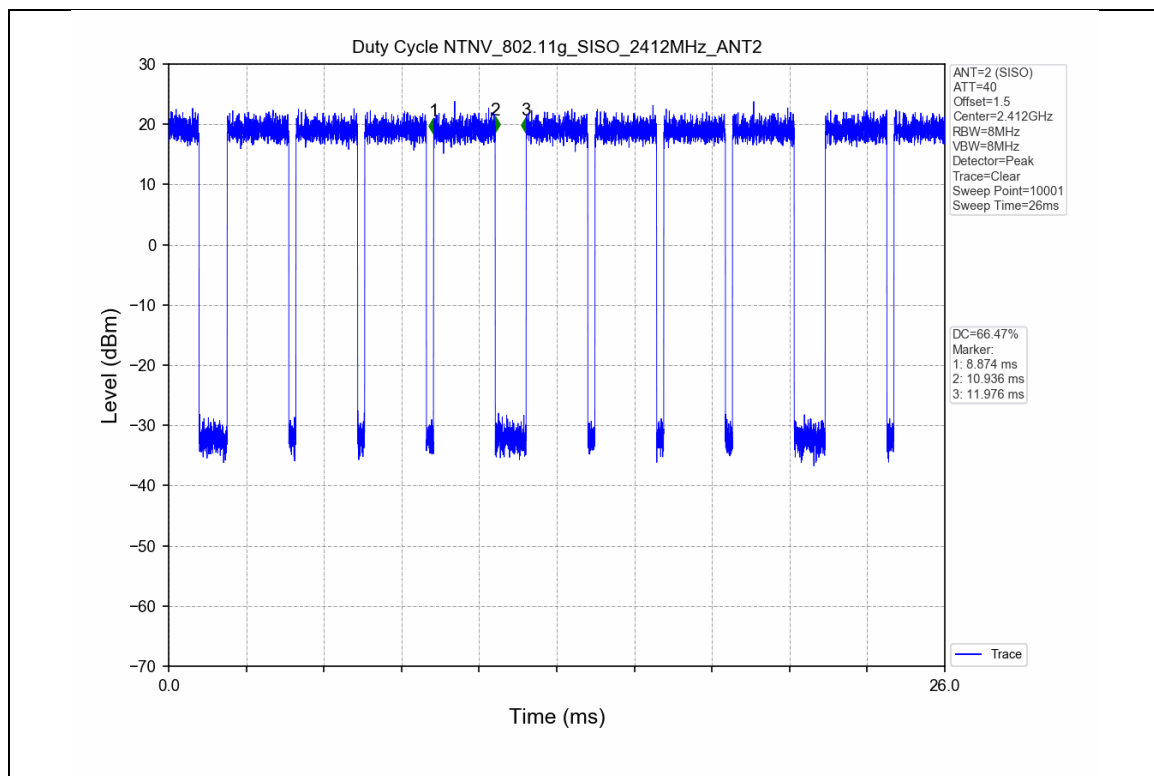
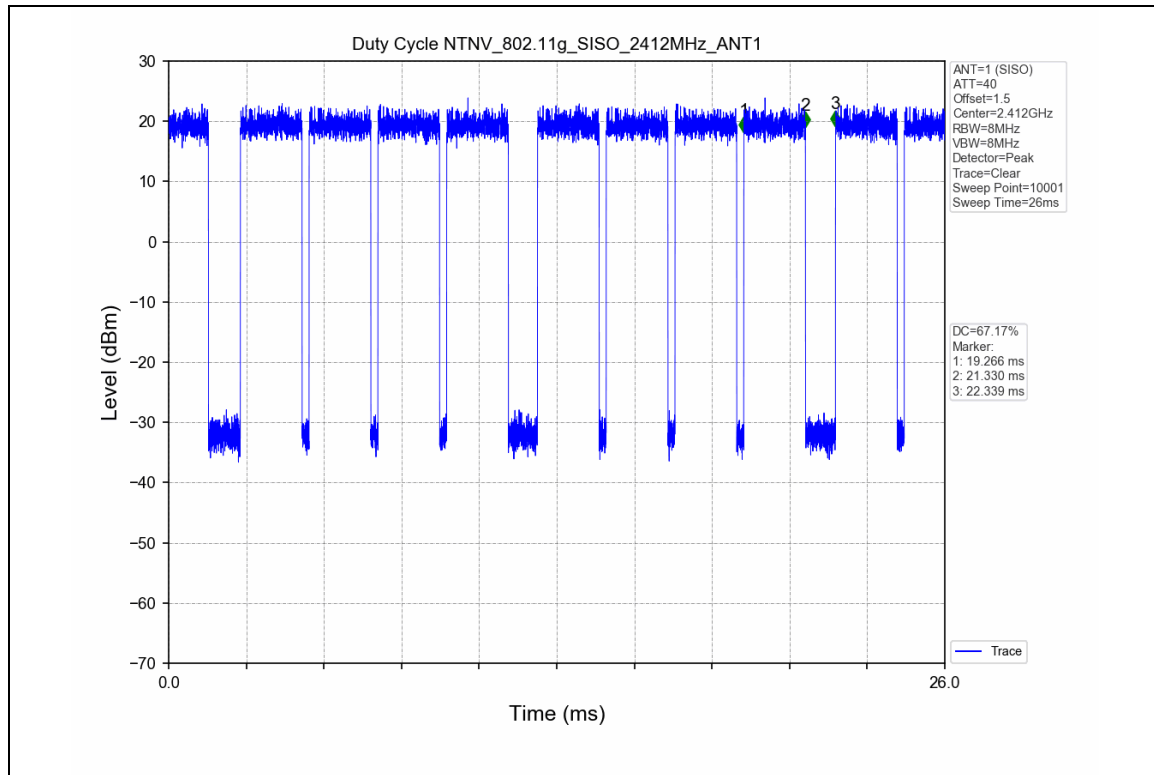
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.580	98.73	0.06
			2	12.420	12.560	98.89	0.05
	2437	SISO	1	12.420	12.570	98.81	0.05
			2	12.420	12.590	98.65	0.06
	2462	SISO	1	12.420	12.580	98.73	0.06
			2	12.410	12.570	98.73	0.06
802.11g	2412	SISO	1	2.064	3.073	67.17	1.73
			2	2.062	3.102	66.47	1.77
	2437	SISO	1	2.064	3.073	67.17	1.73
			2	2.062	2.303	89.54	0.48
	2462	SISO	1	2.065	3.105	66.51	1.77
			2	2.038	3.034	67.17	1.73
802.11n(HT20)	2412	MIMO	1	1.919	3.489	55.00	2.60
			2	1.917	3.422	56.02	2.52
	2437	MIMO	1	1.919	3.487	55.03	2.59
			2	1.919	3.486	55.05	2.59
	2462	MIMO	1	1.921	3.455	55.60	2.55
			2	1.898	3.448	55.05	2.59
802.11n(HT40)	2422	MIMO	1	0.933	6.432	14.51	8.38
			2	0.923	6.315	14.62	8.35
	2437	MIMO	1	0.921	6.383	14.43	8.41
			2	0.936	6.456	14.50	8.39
	2452	MIMO	1	0.944	6.432	14.68	8.33
			2	0.944	6.433	14.67	8.34

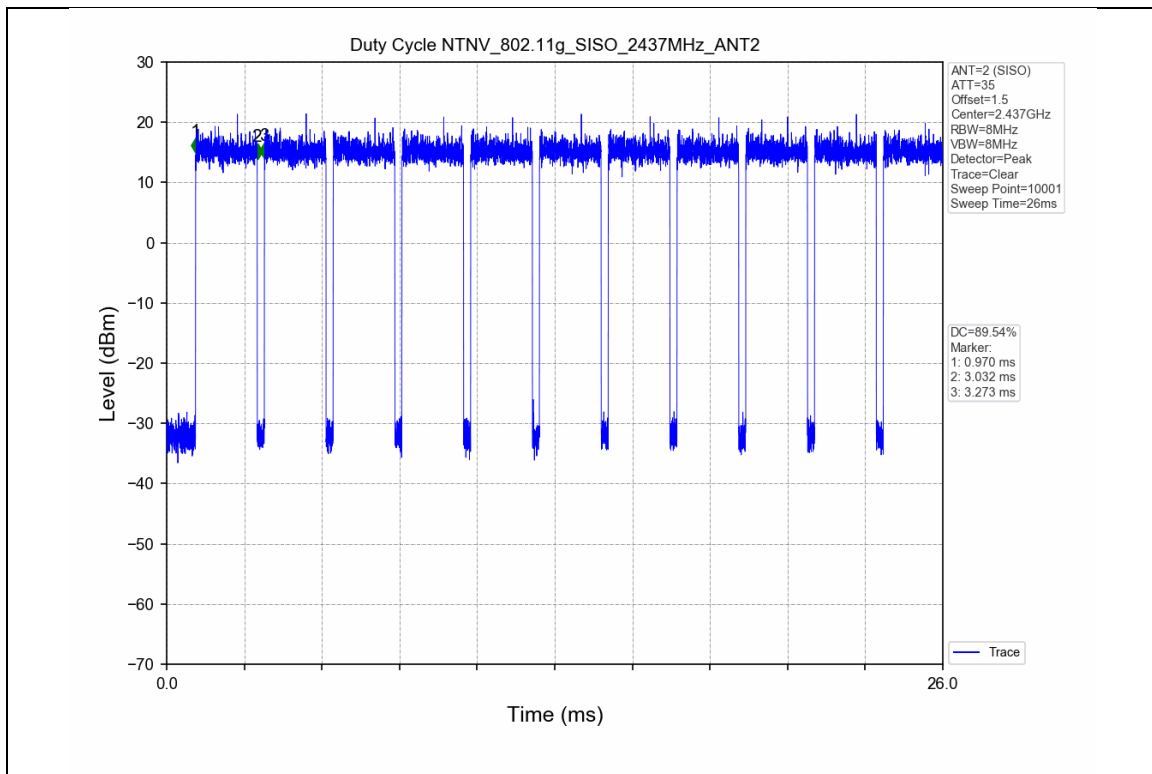
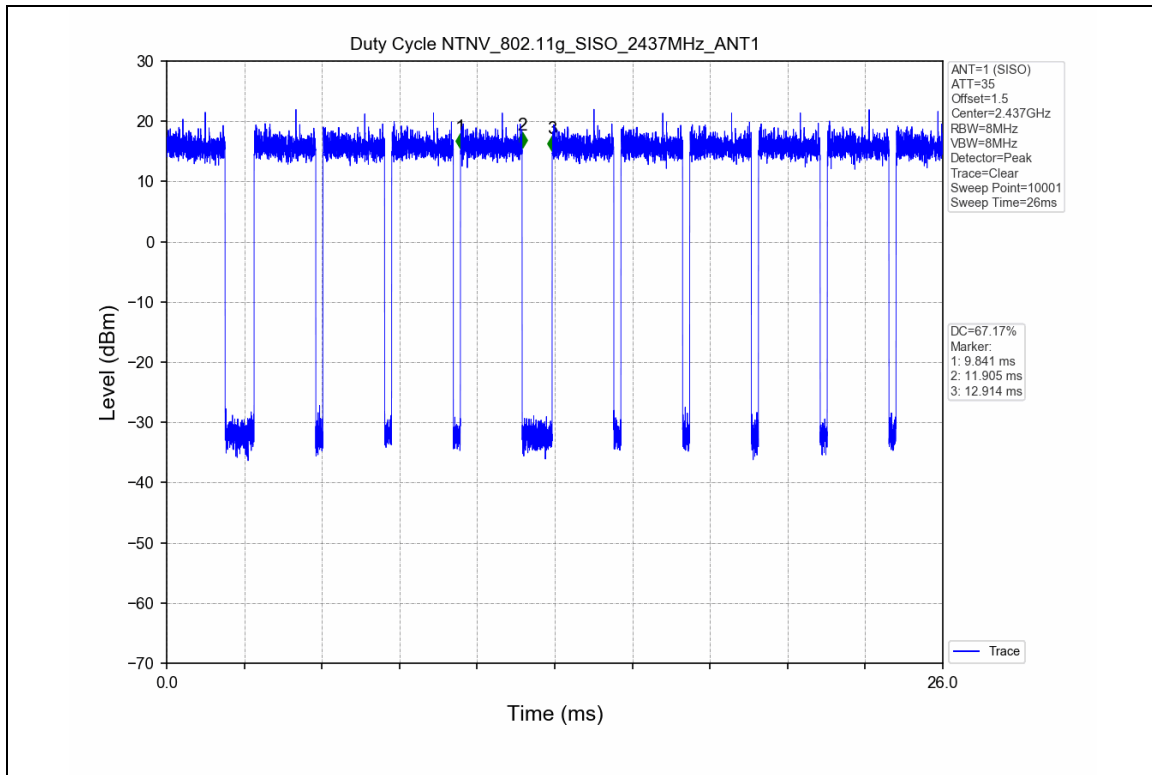
1.2 Test Graph

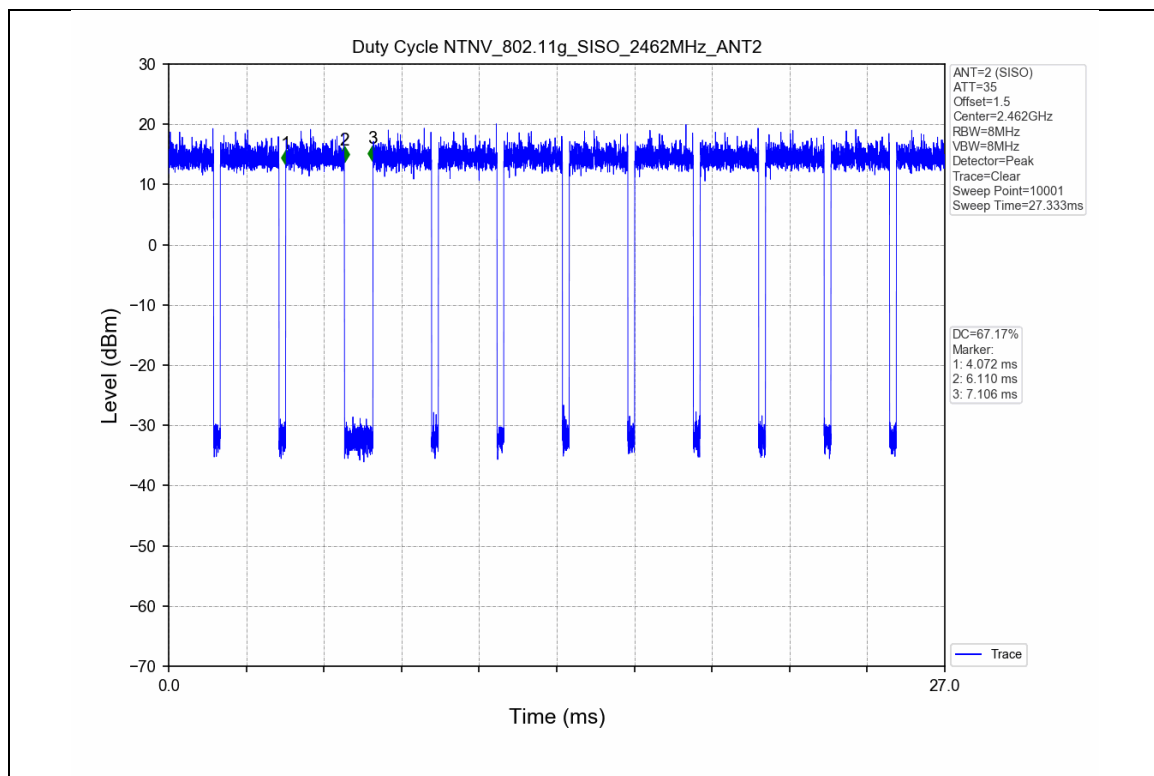
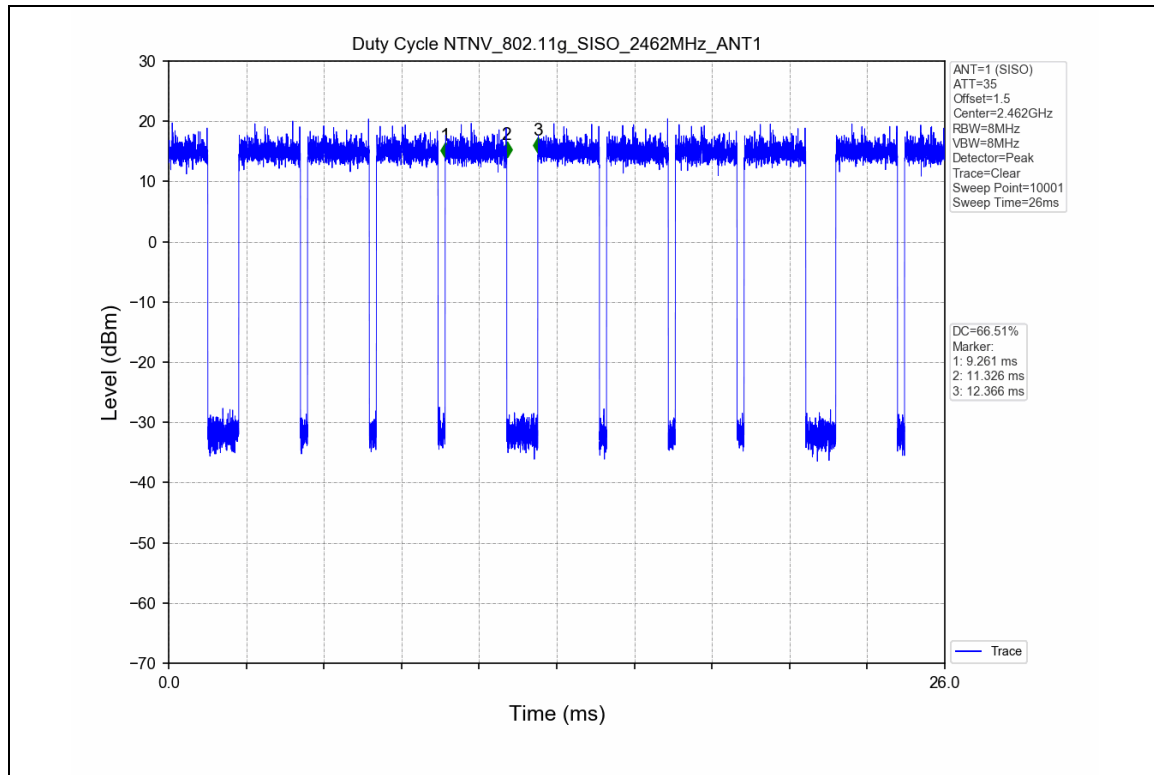


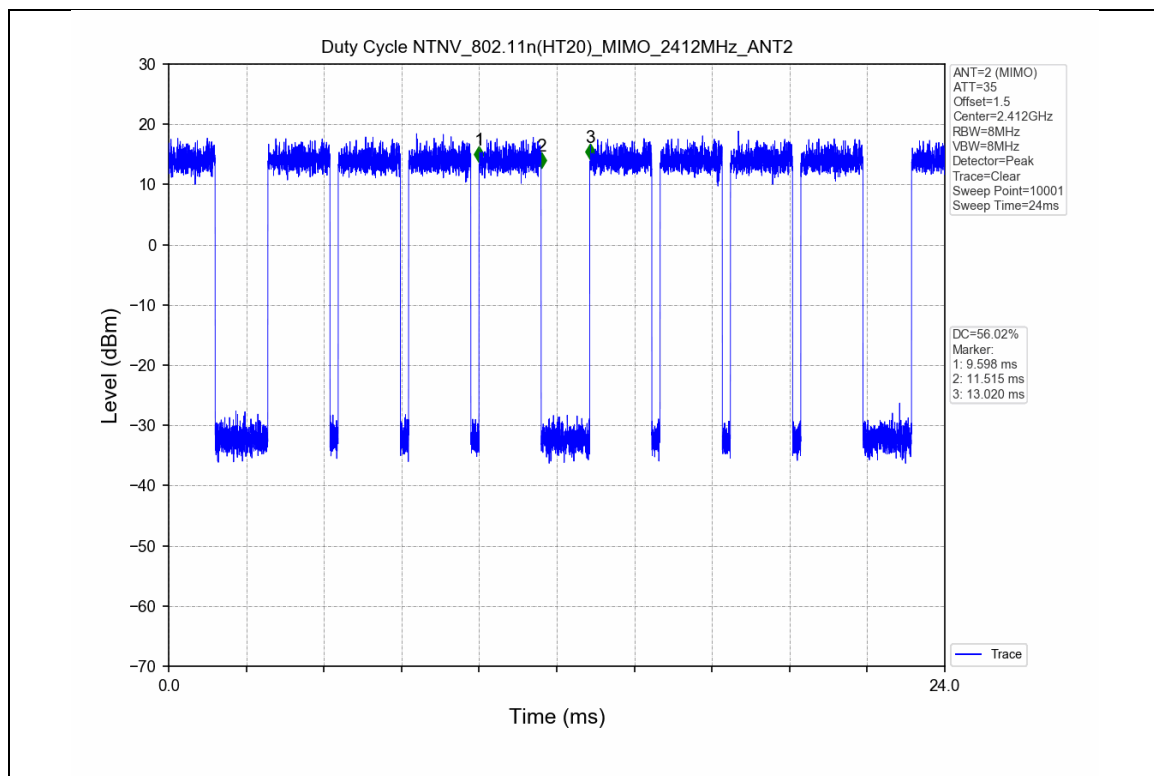
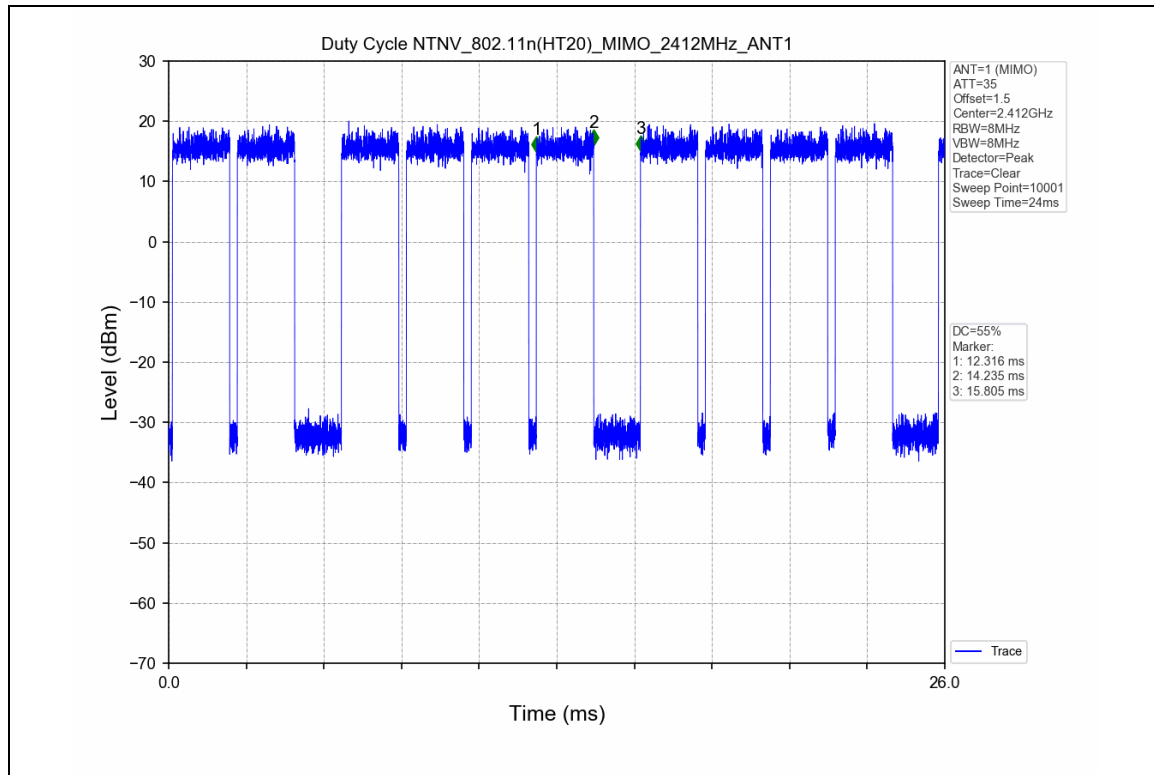


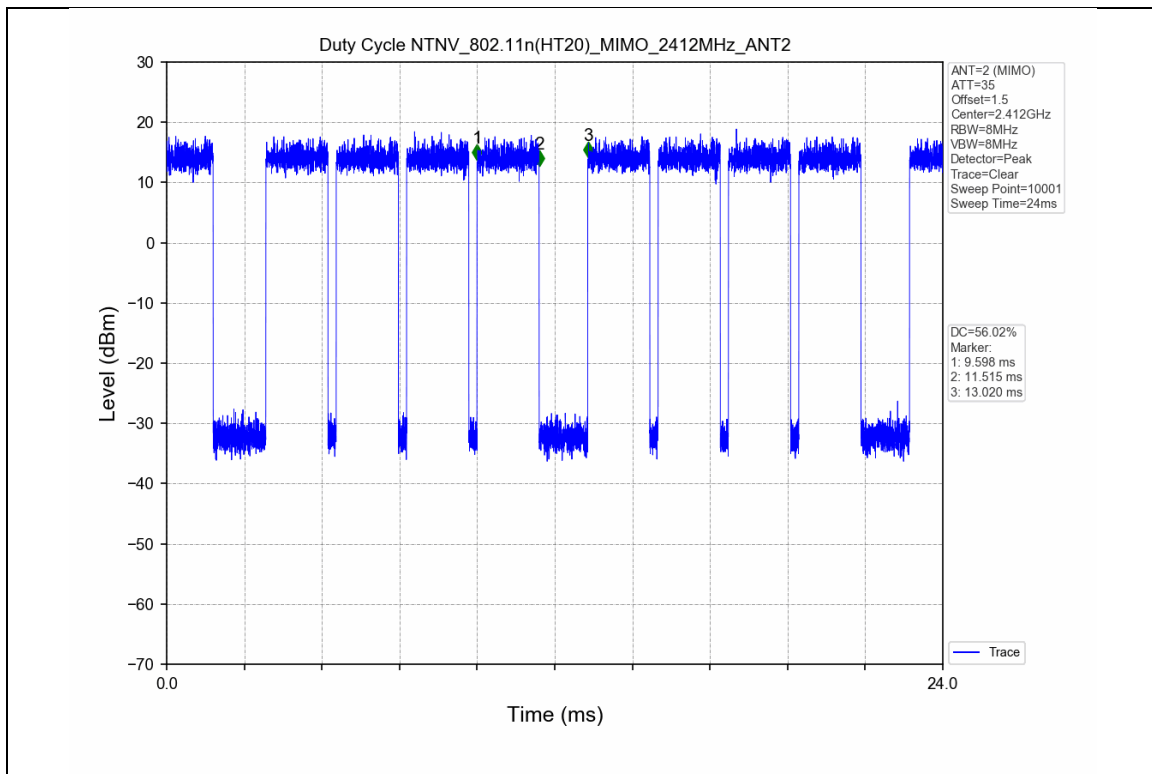
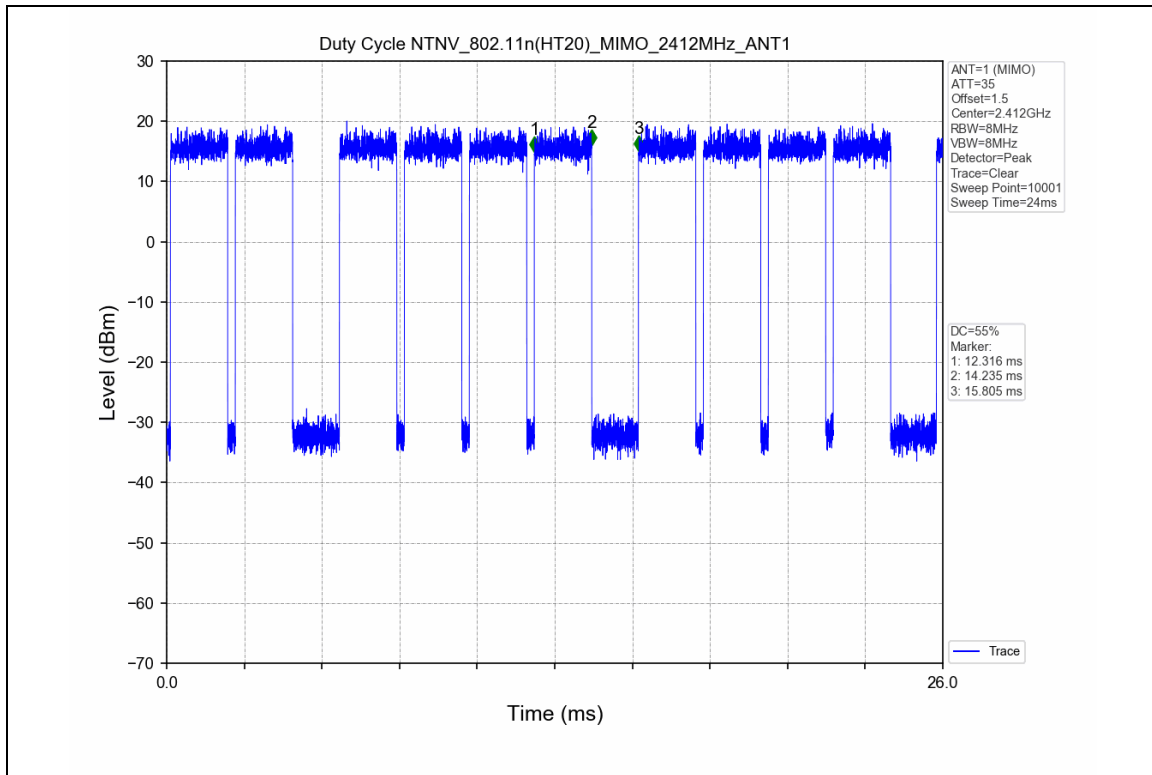


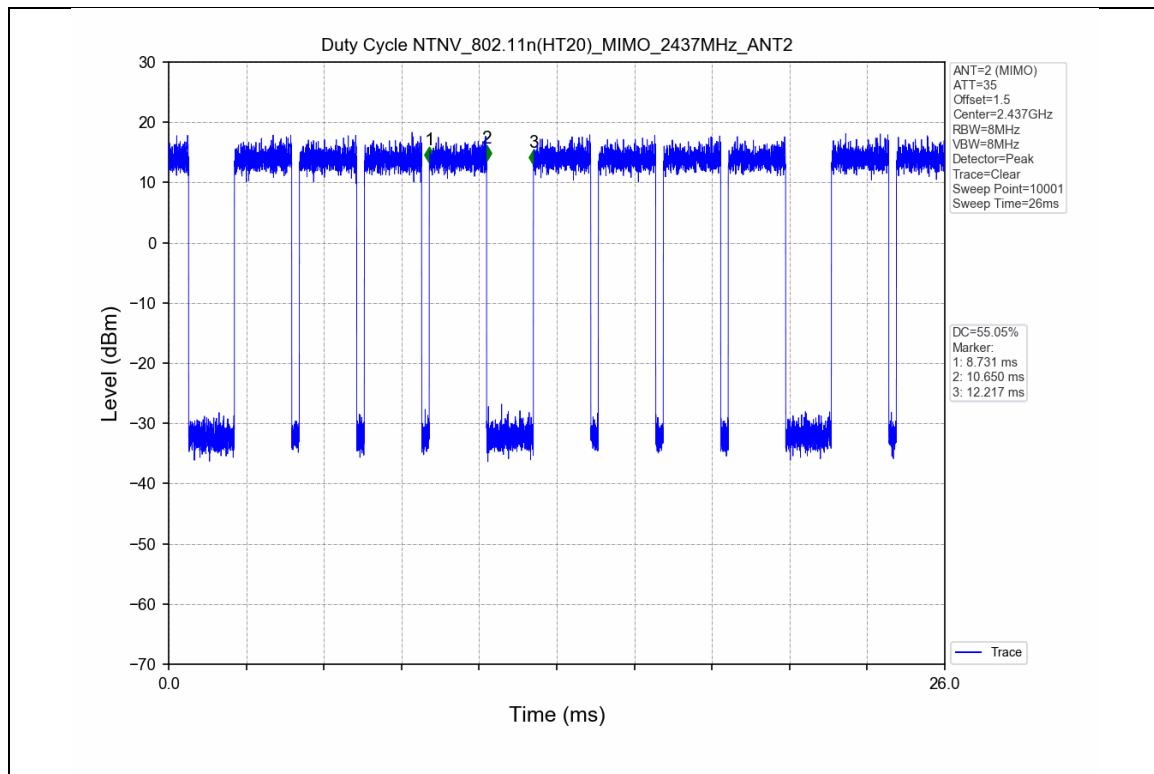
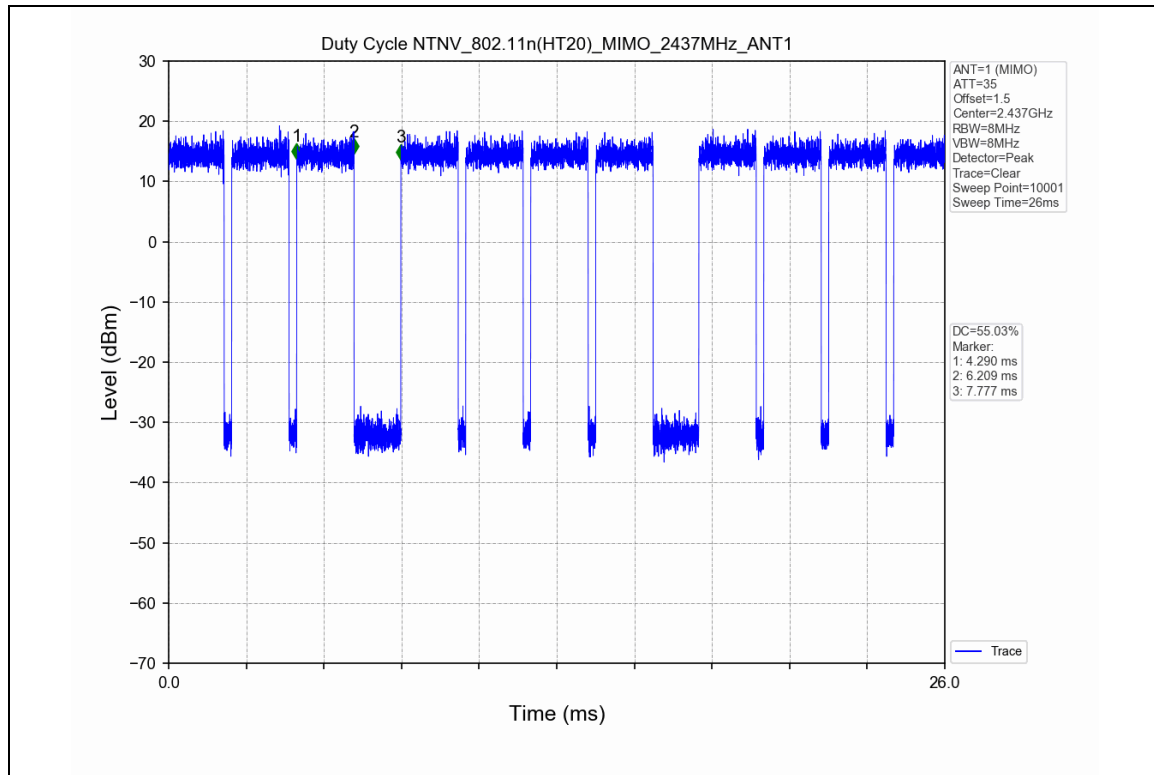


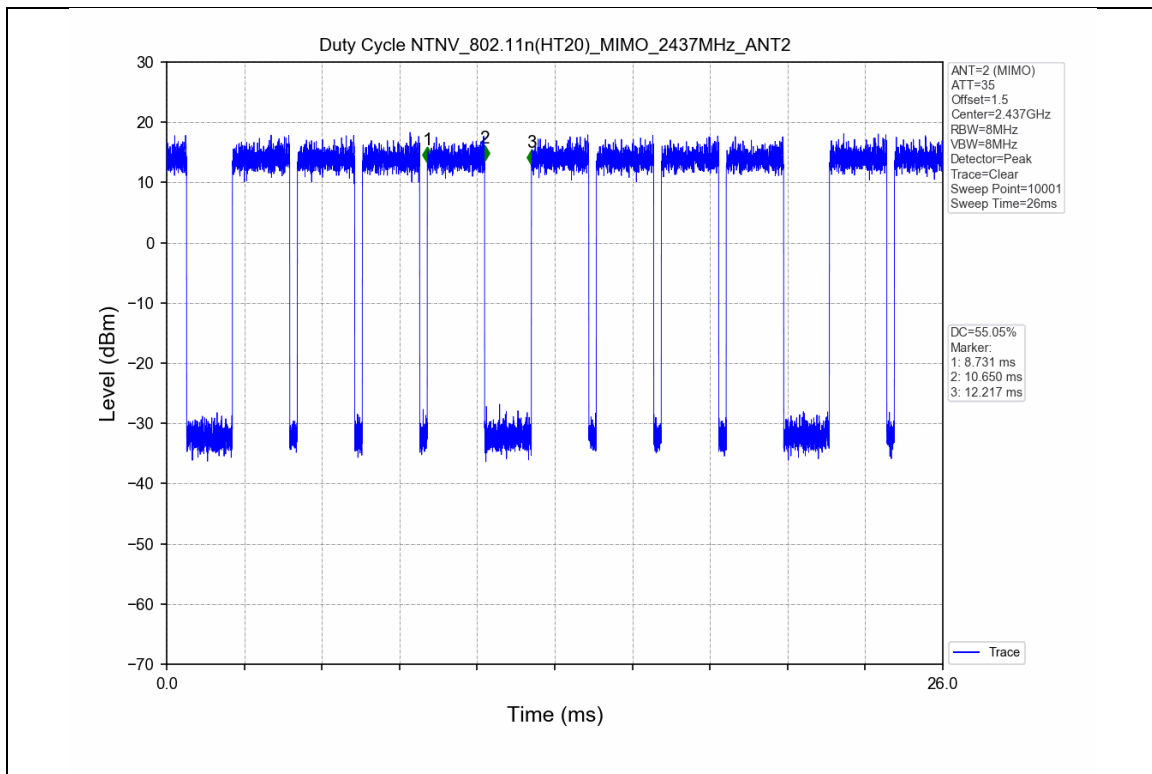
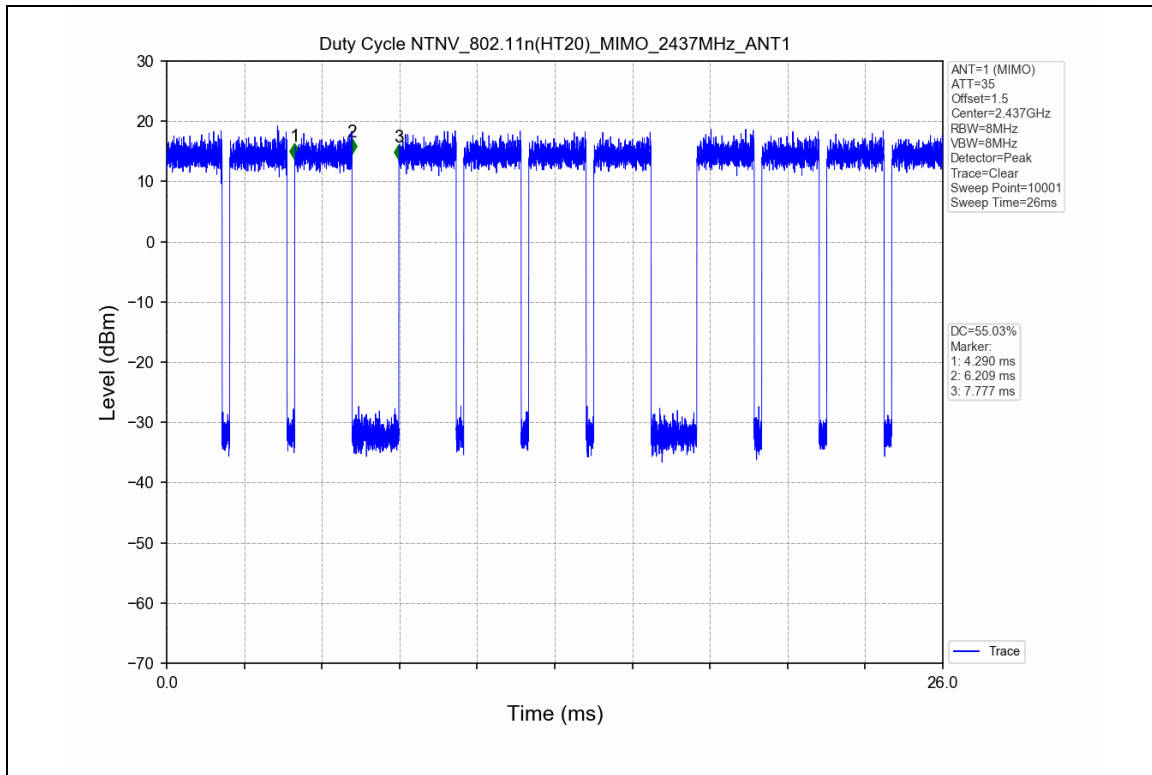


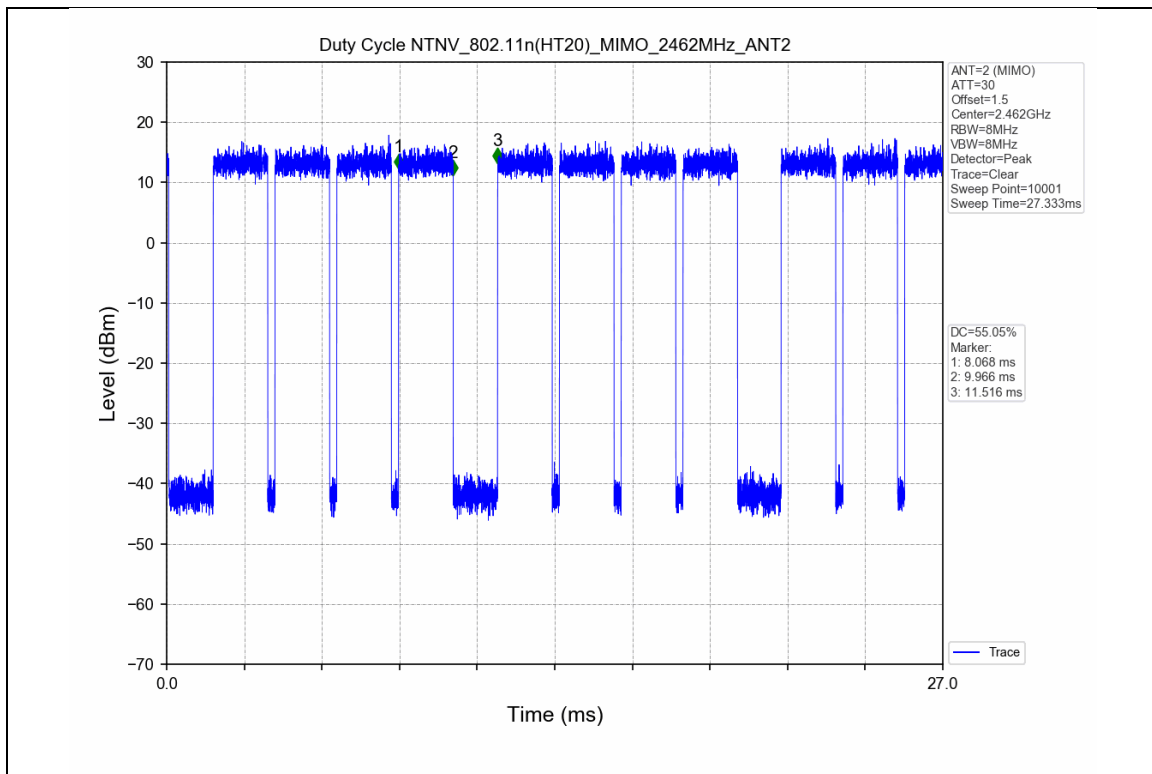
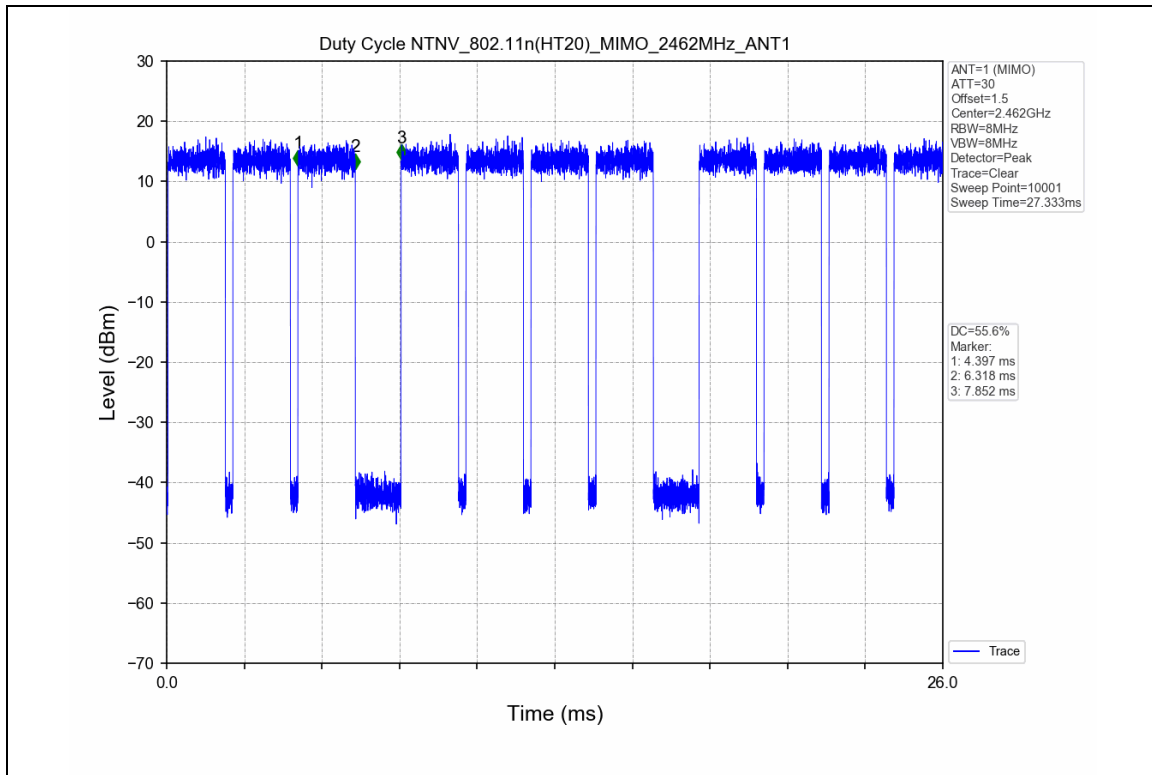


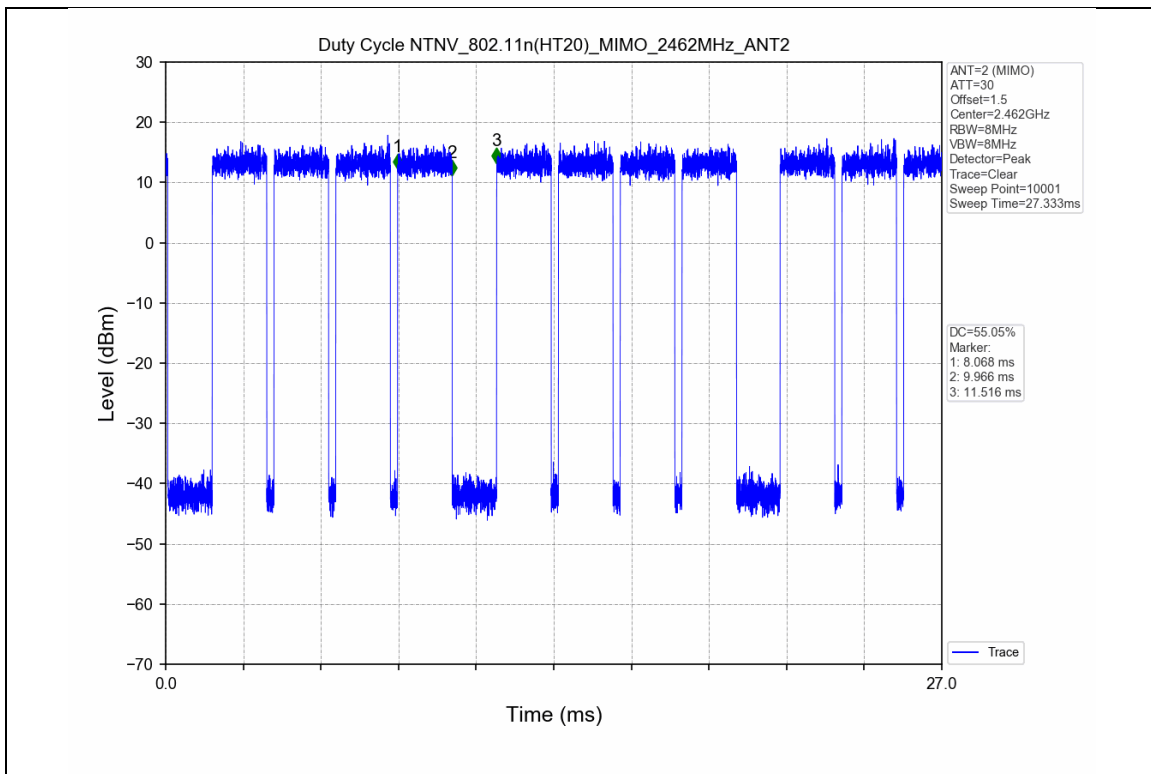
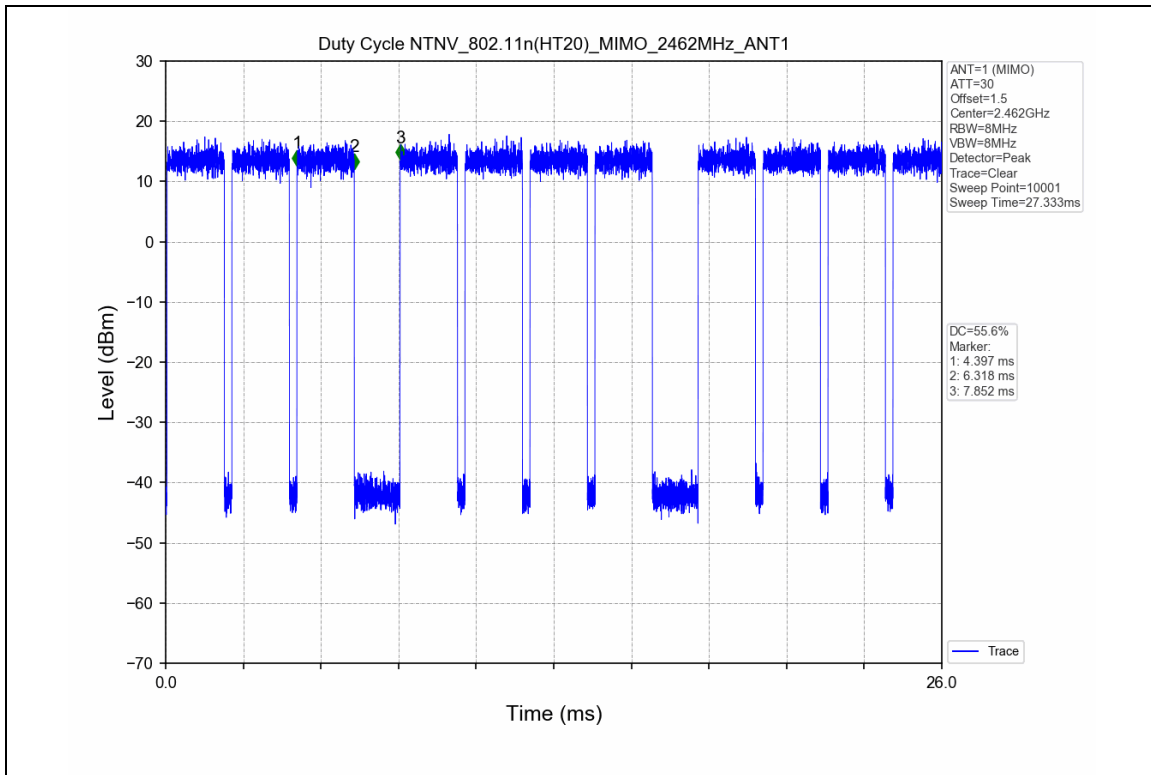


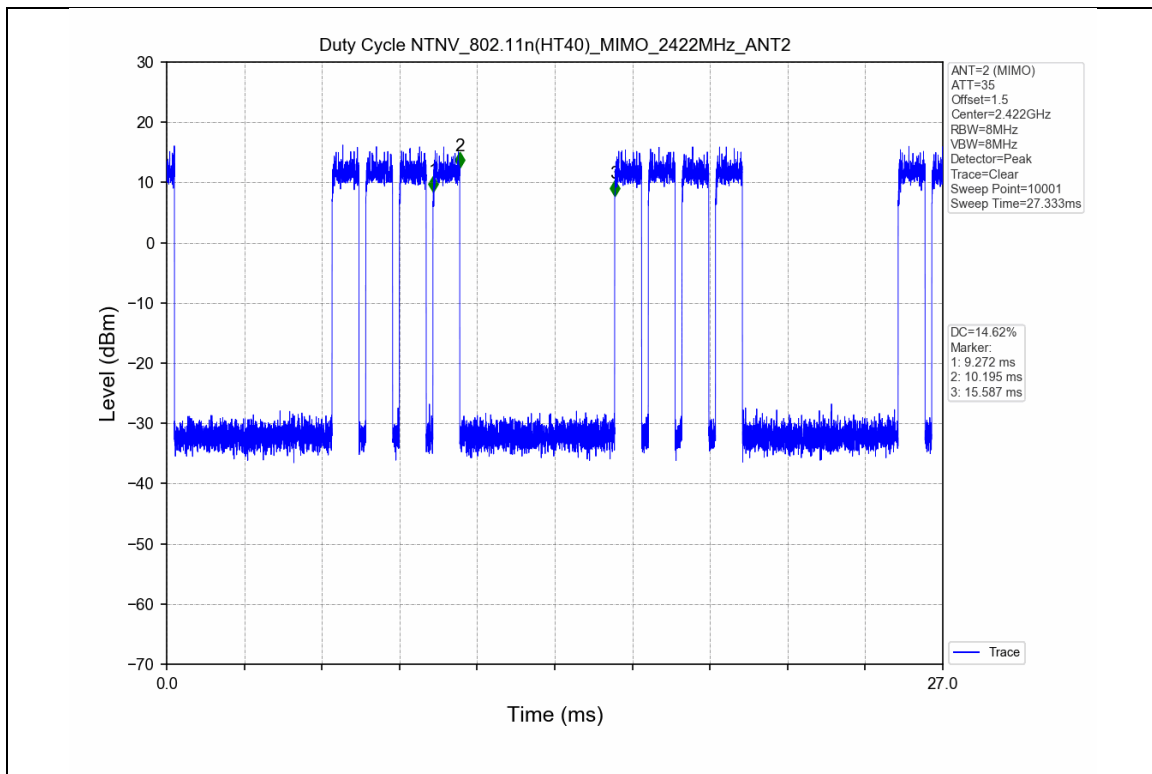
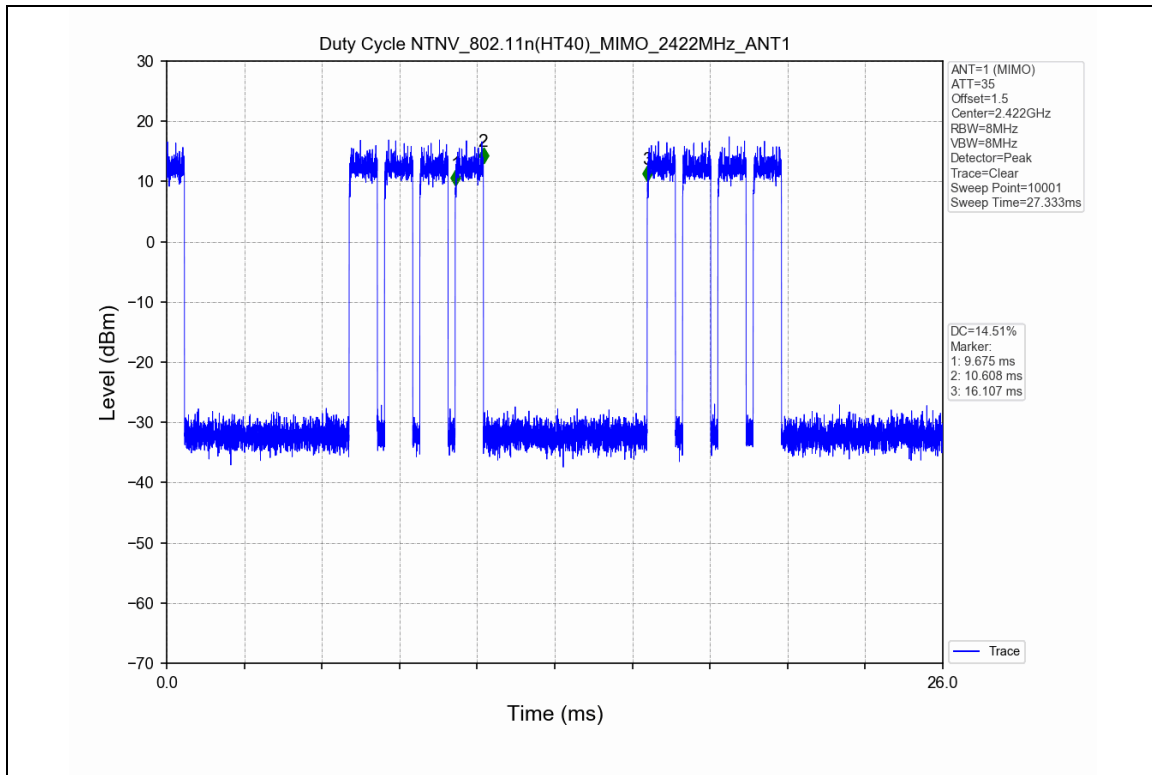


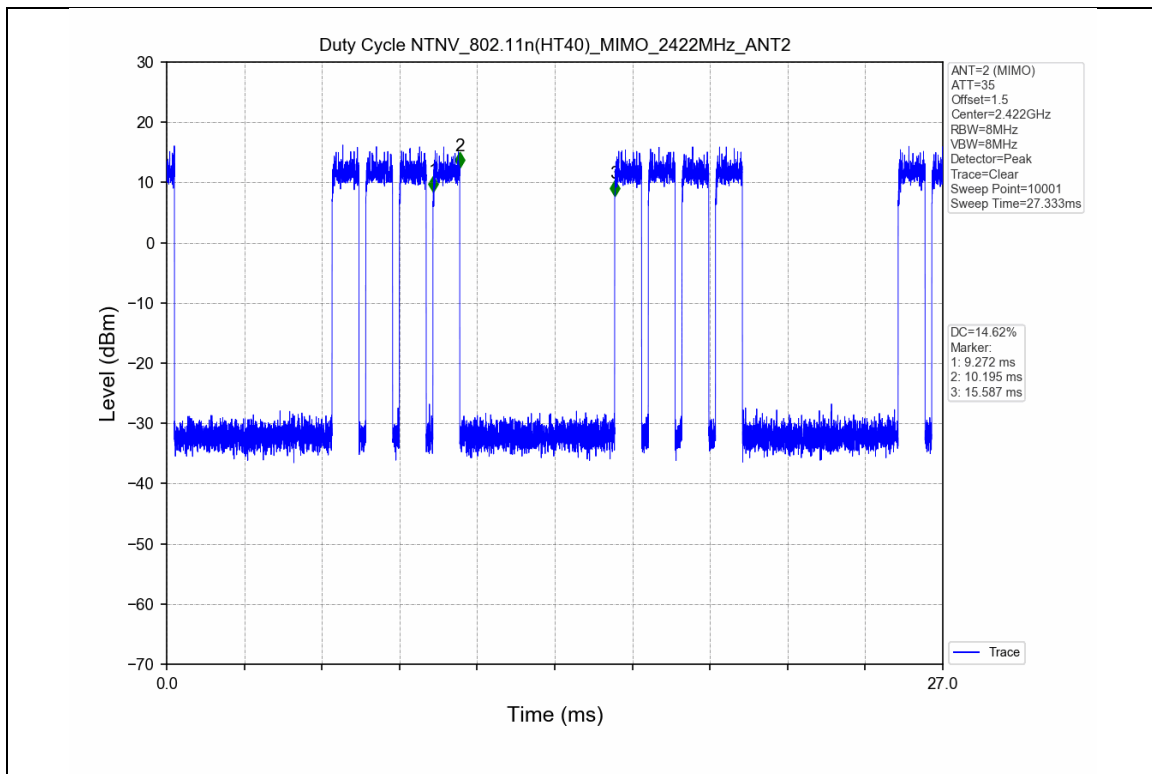
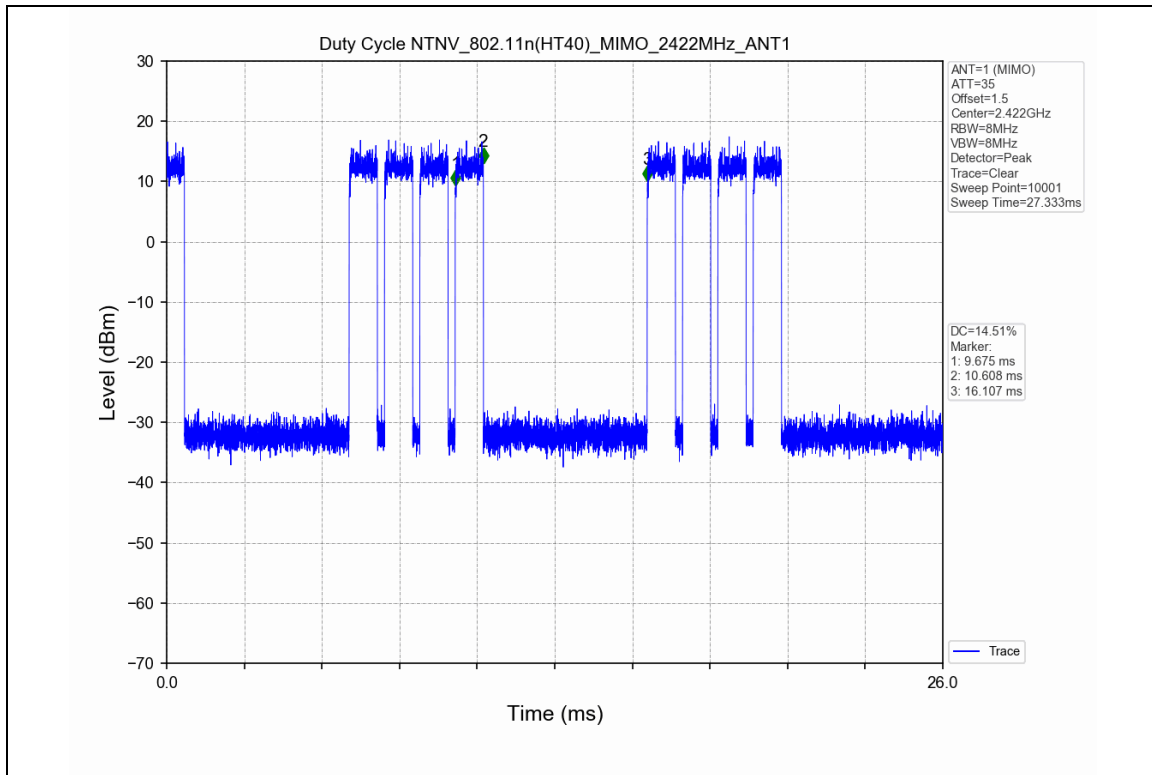


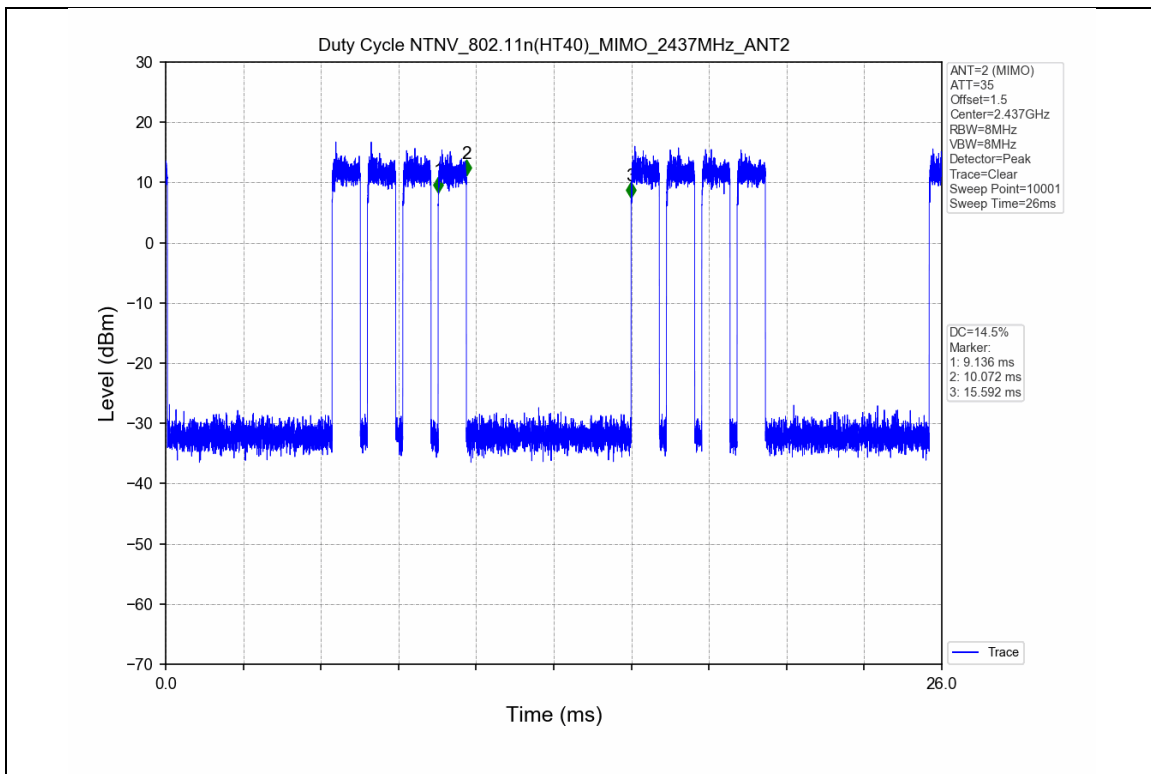
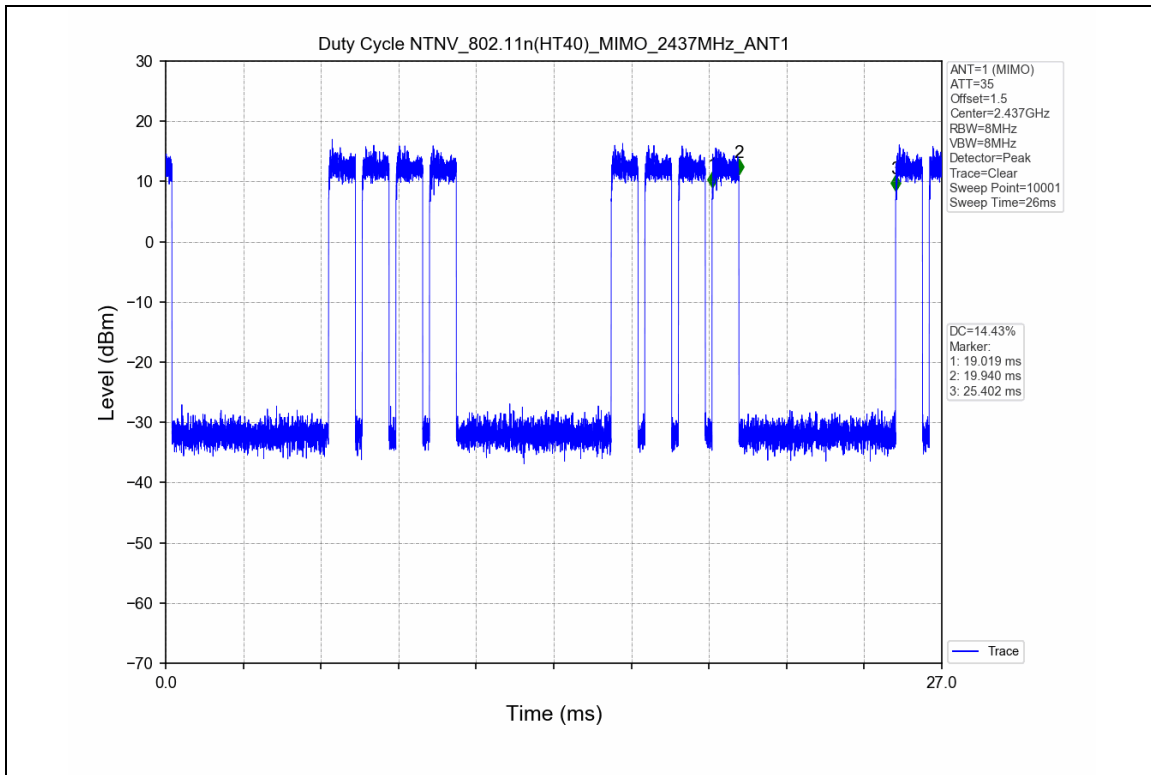


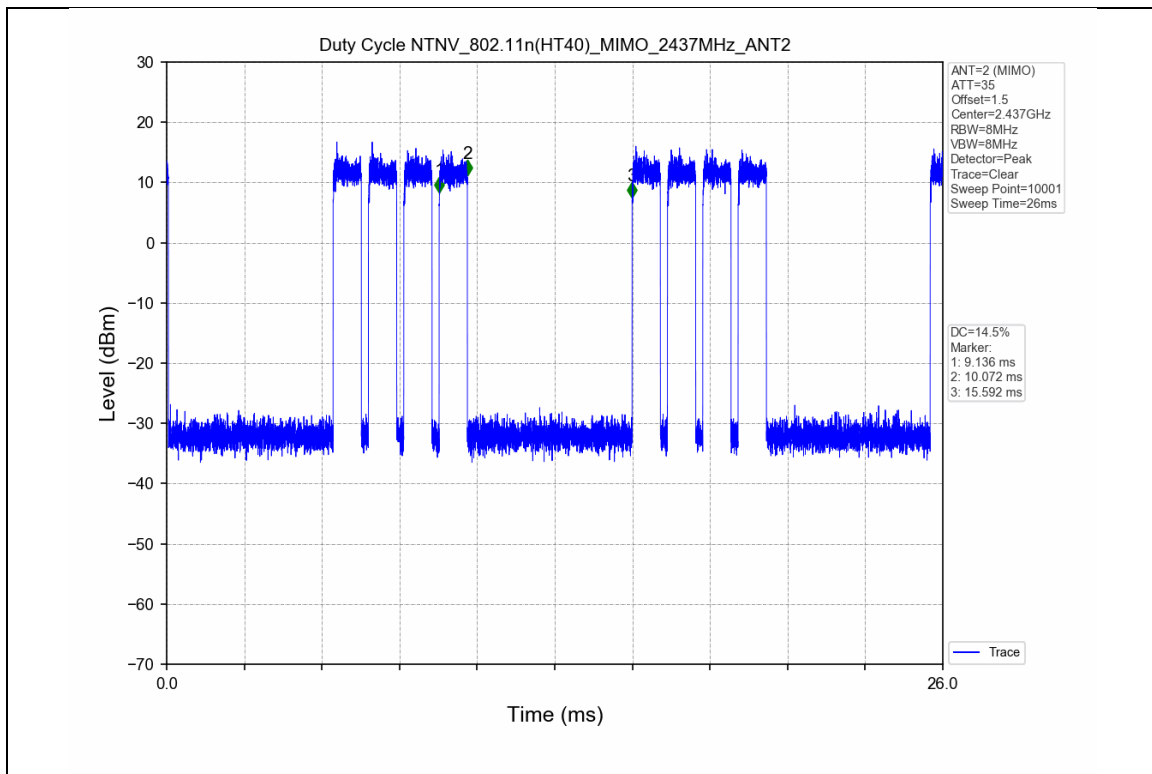
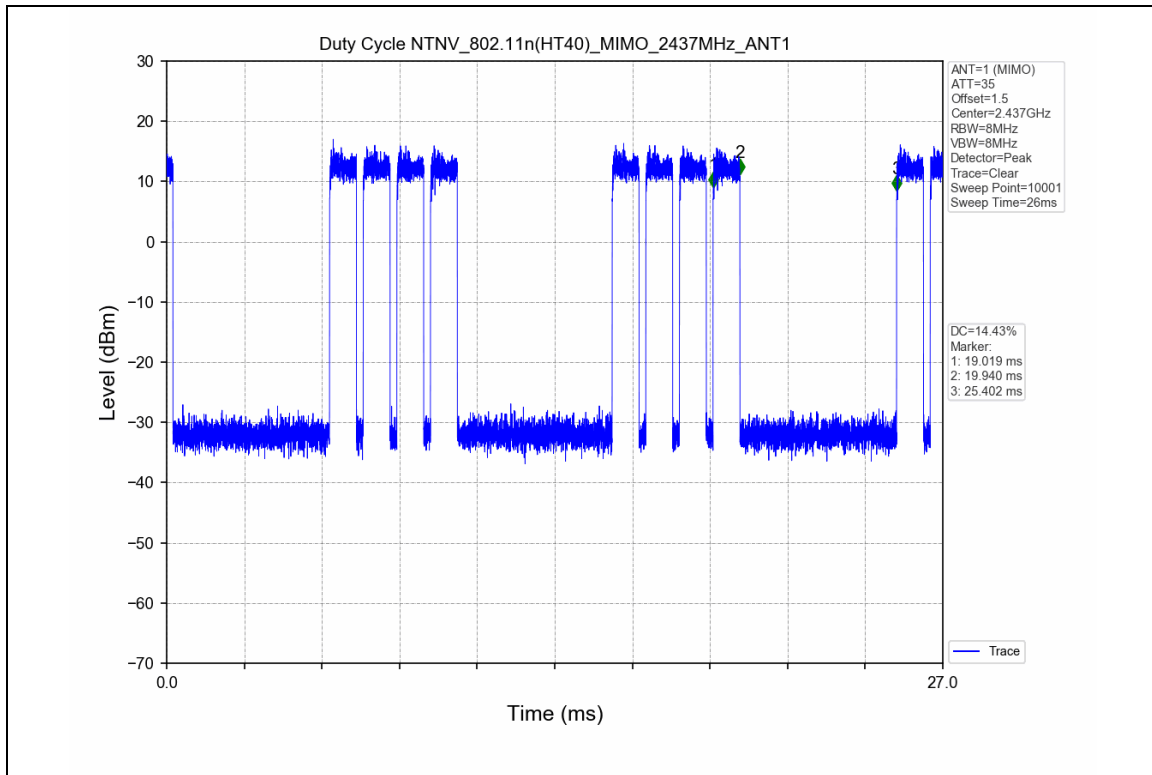


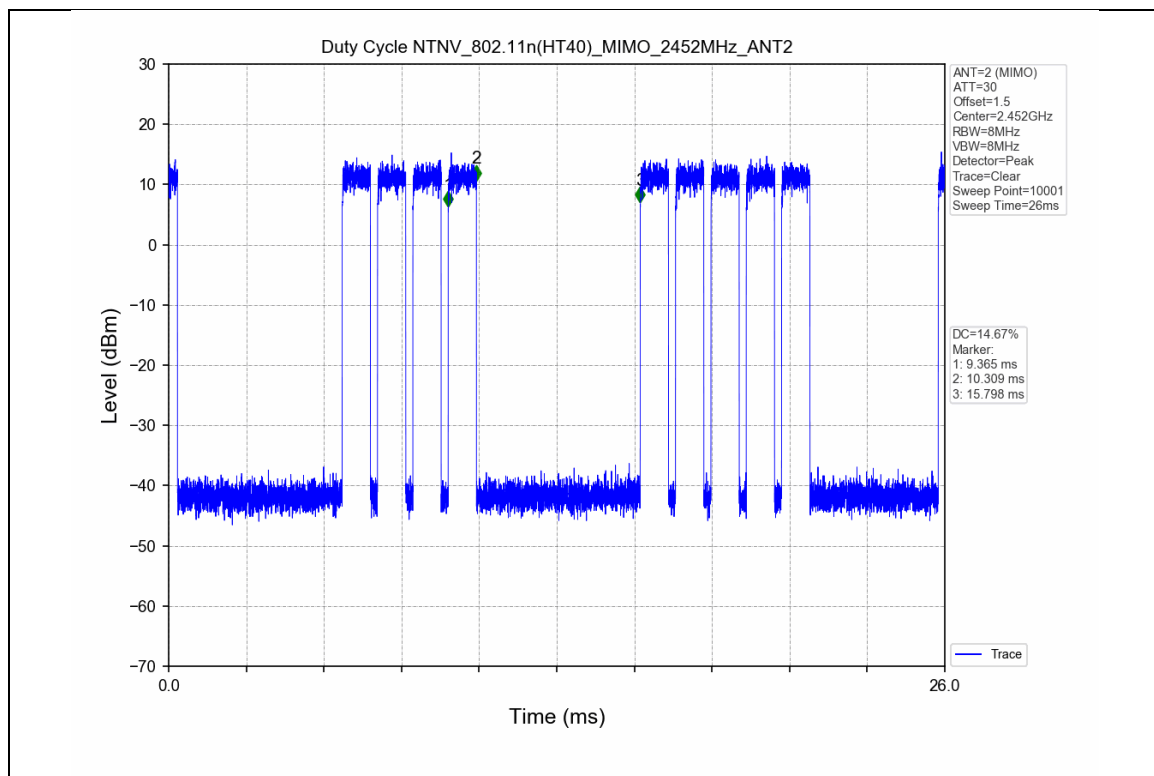
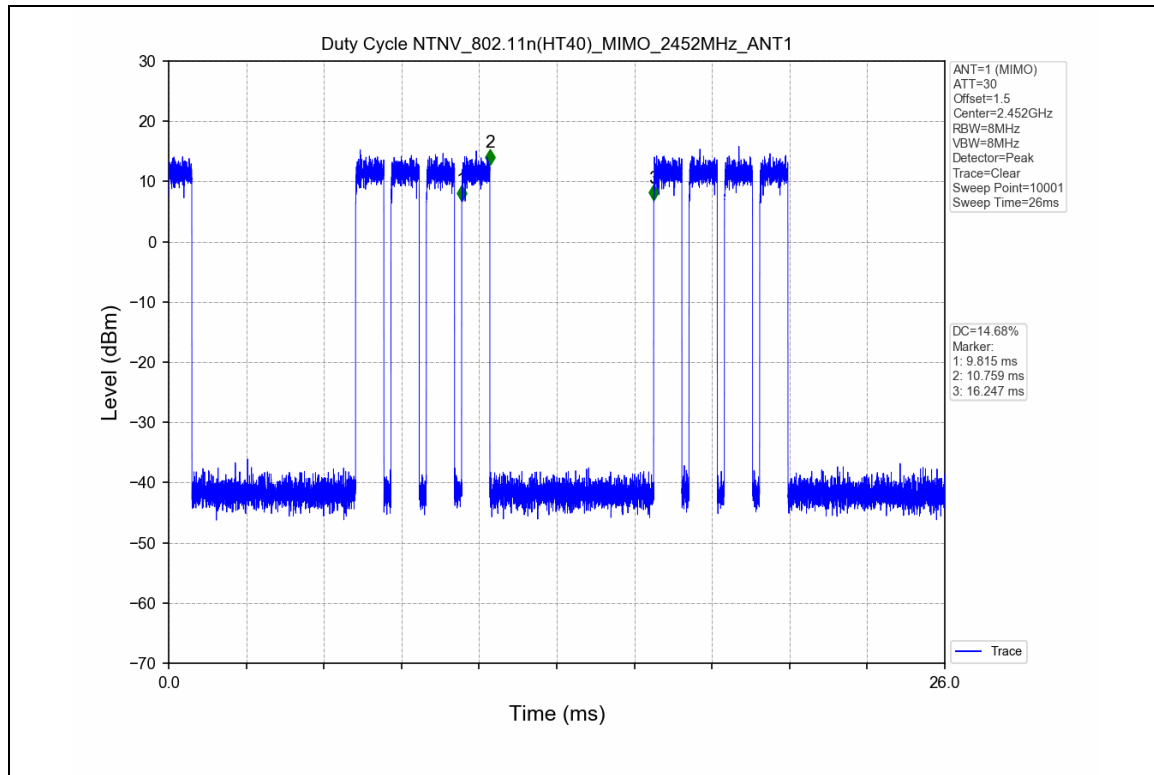


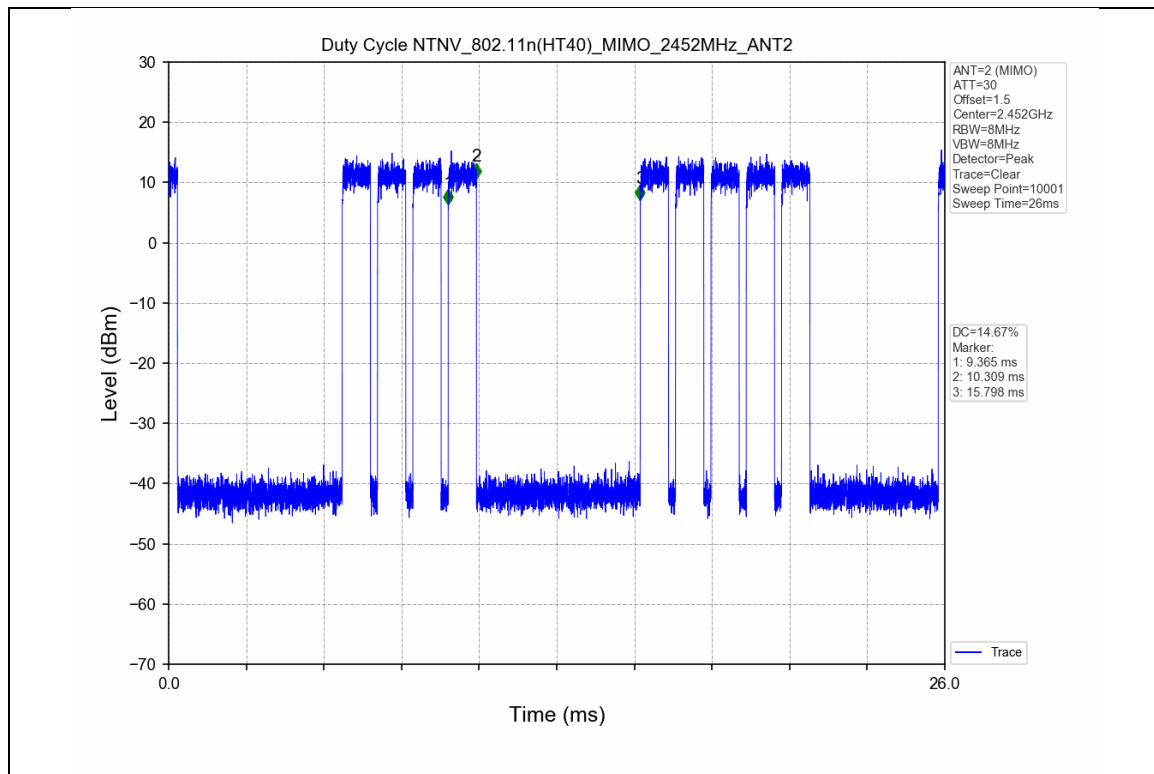
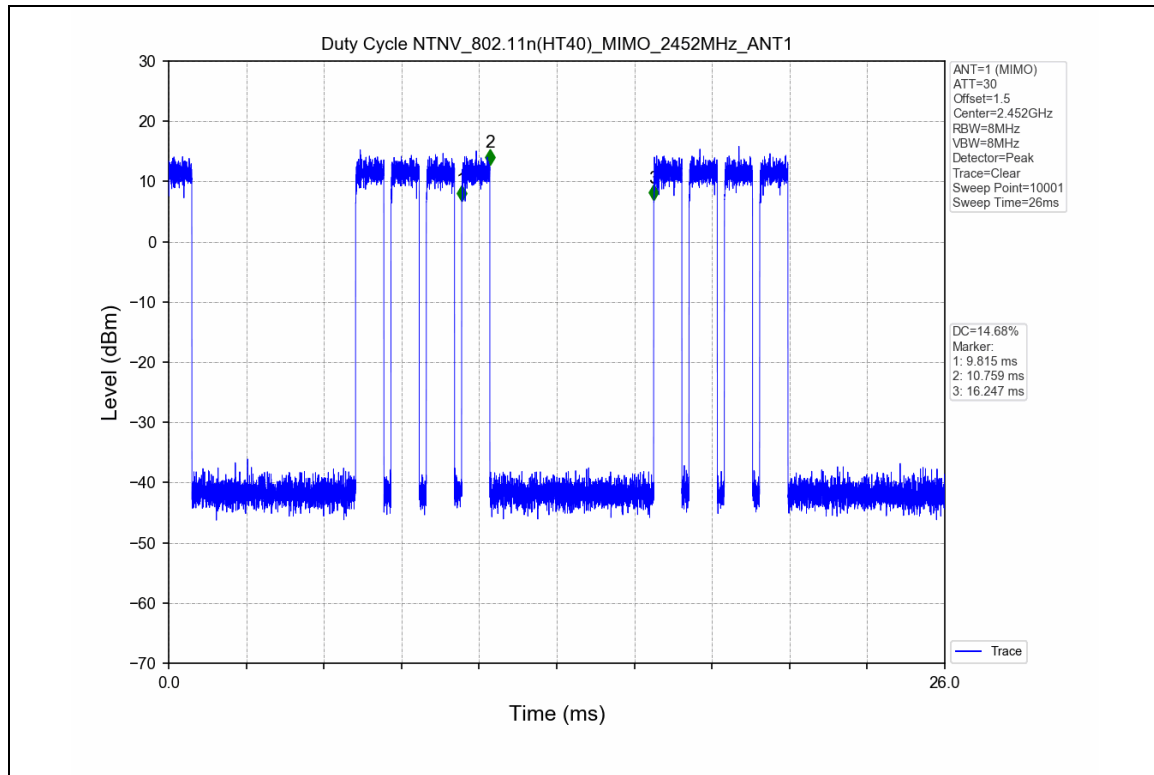












2. Bandwidth

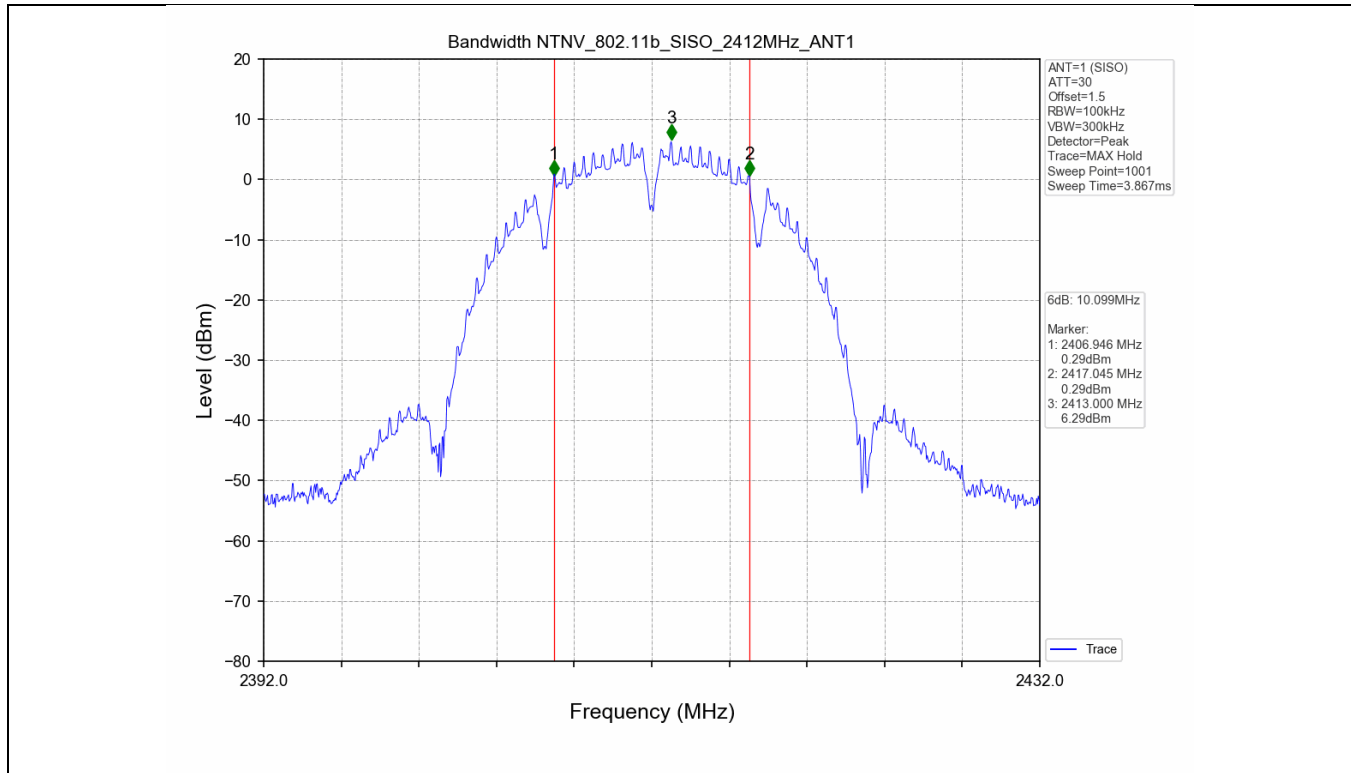
2.1 Test Result

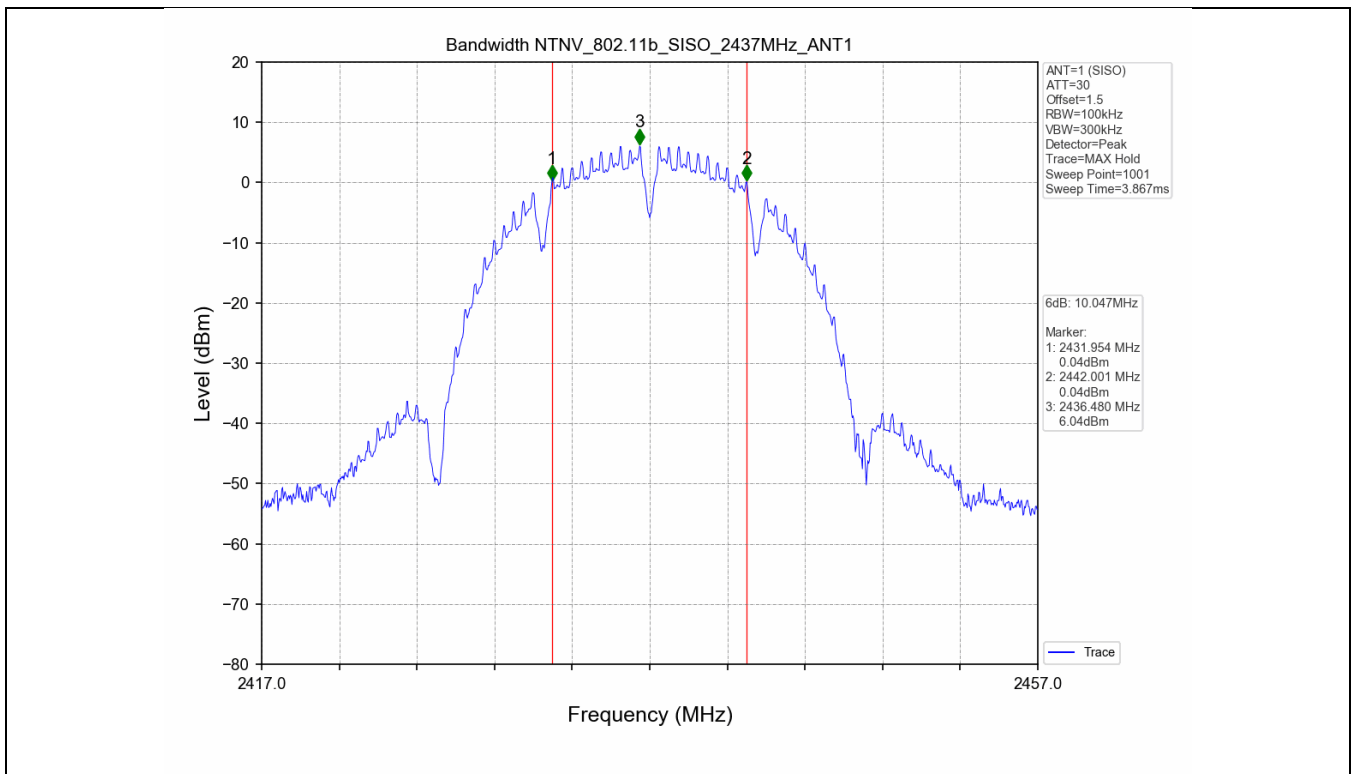
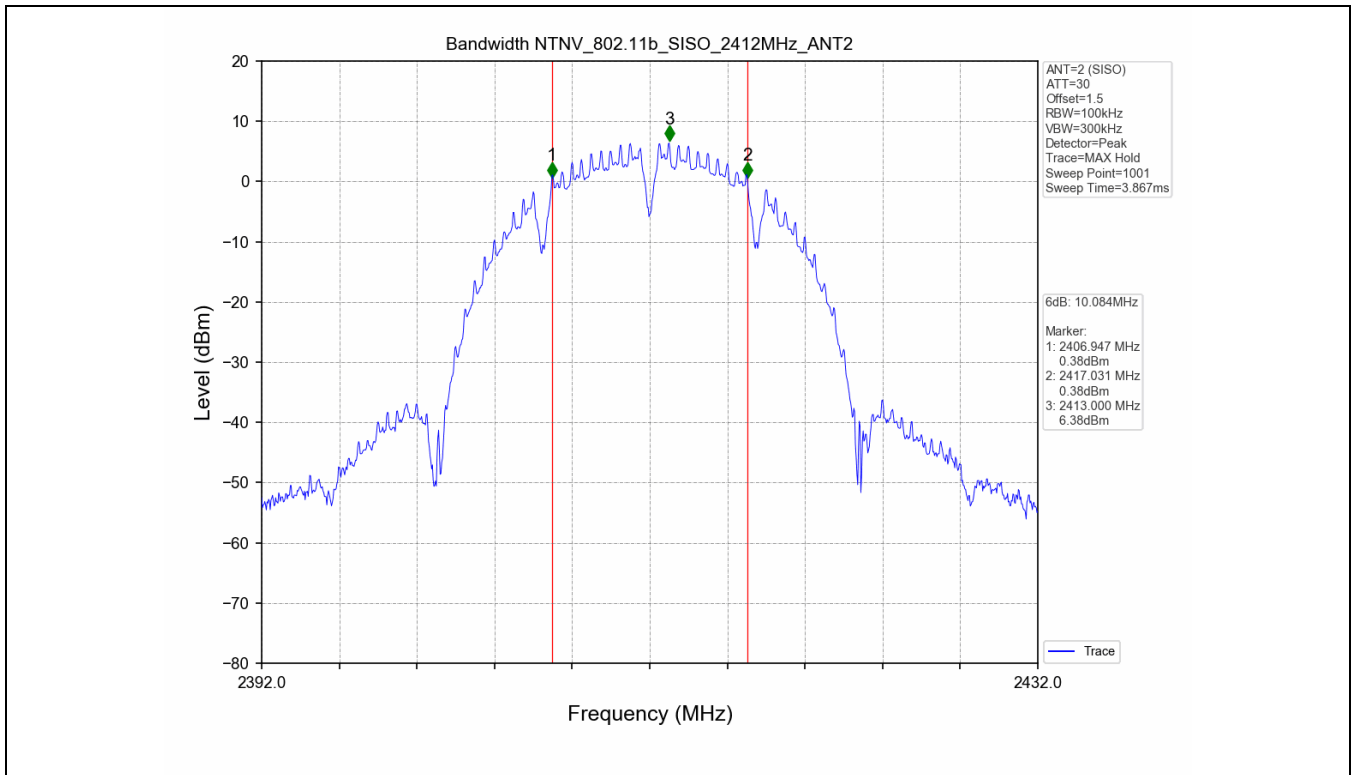
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.099	≥0.5	PASS
			2	10.084	≥0.5	PASS
	2437	SISO	1	10.047	≥0.5	PASS
			2	10.072	≥0.5	PASS
	2462	SISO	1	10.045	≥0.5	PASS
			2	10.106	≥0.5	PASS
802.11g	2412	SISO	1	16.366	≥0.5	PASS
			2	16.364	≥0.5	PASS
	2437	SISO	1	16.359	≥0.5	PASS
			2	16.401	≥0.5	PASS
	2462	SISO	1	16.383	≥0.5	PASS
			2	16.397	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	17.539	≥0.5	PASS
			2	17.326	≥0.5	PASS
	2437	MIMO	1	17.579	≥0.5	PASS
			2	17.583	≥0.5	PASS
	2462	MIMO	1	17.564	≥0.5	PASS
			2	17.582	≥0.5	PASS
802.11n(HT40)	2422	MIMO	1	35.365	≥0.5	PASS
			2	35.600	≥0.5	PASS
	2437	MIMO	1	35.704	≥0.5	PASS
			2	35.158	≥0.5	PASS
	2452	MIMO	1	35.507	≥0.5	PASS
			2	35.141	≥0.5	PASS

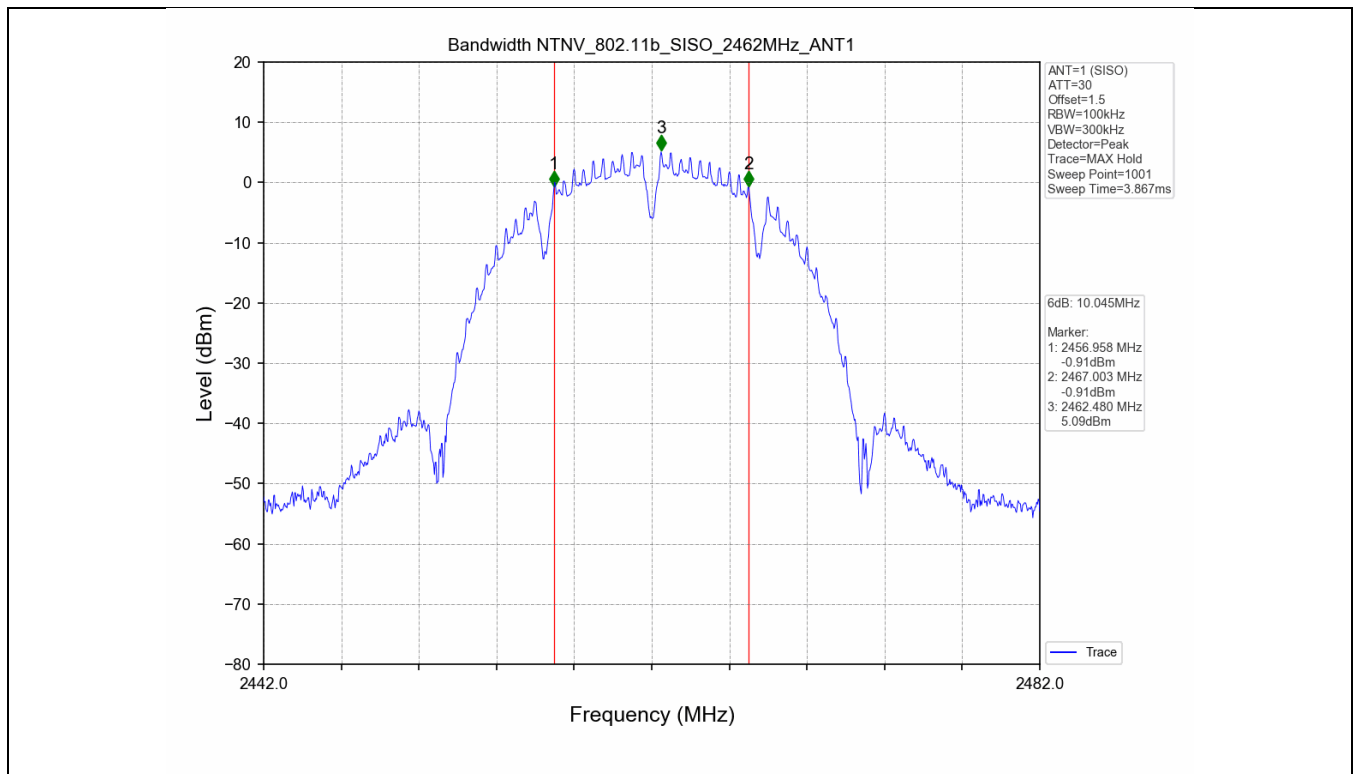
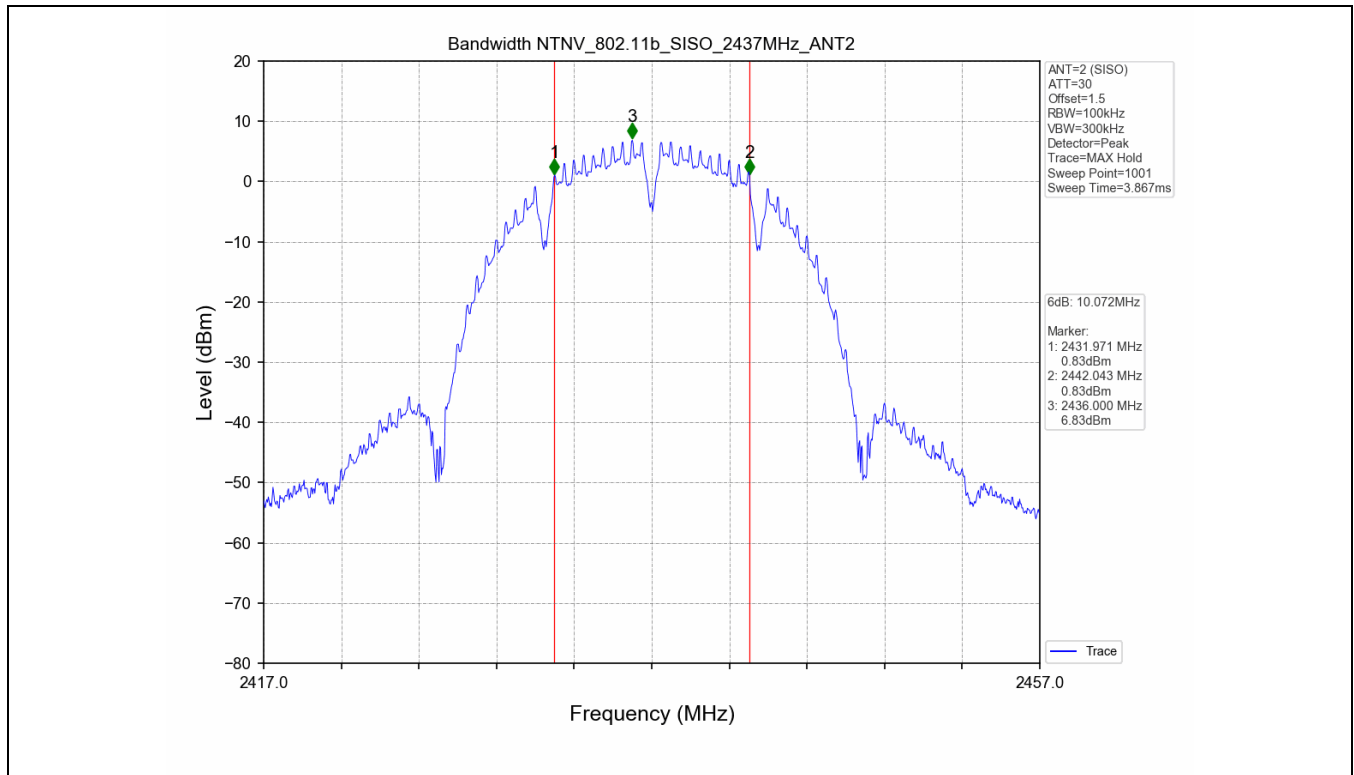
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.906	Only for Report Use
			2	14.933	Only for Report Use
	2437	SISO	1	14.903	Only for Report Use
			2	14.912	Only for Report Use
	2462	SISO	1	14.950	Only for Report Use
			2	14.959	Only for Report Use
802.11g	2412	SISO	1	16.867	Only for Report Use
			2	16.772	Only for Report Use
	2437	SISO	1	16.808	Only for Report Use
			2	16.898	Only for Report Use
	2462	SISO	1	16.908	Only for Report Use
			2	16.842	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.846	Only for Report Use
			2	17.868	Only for Report Use
	2437	MIMO	1	17.818	Only for Report Use
			2	17.821	Only for Report Use
	2462	MIMO	1	17.893	Only for Report Use
			2	17.900	Only for Report Use
802.11n(HT40)	2422	MIMO	1	35.943	Only for Report Use
			2	35.999	Only for Report Use
	2437	MIMO	1	35.952	Only for Report Use
			2	35.974	Only for Report Use

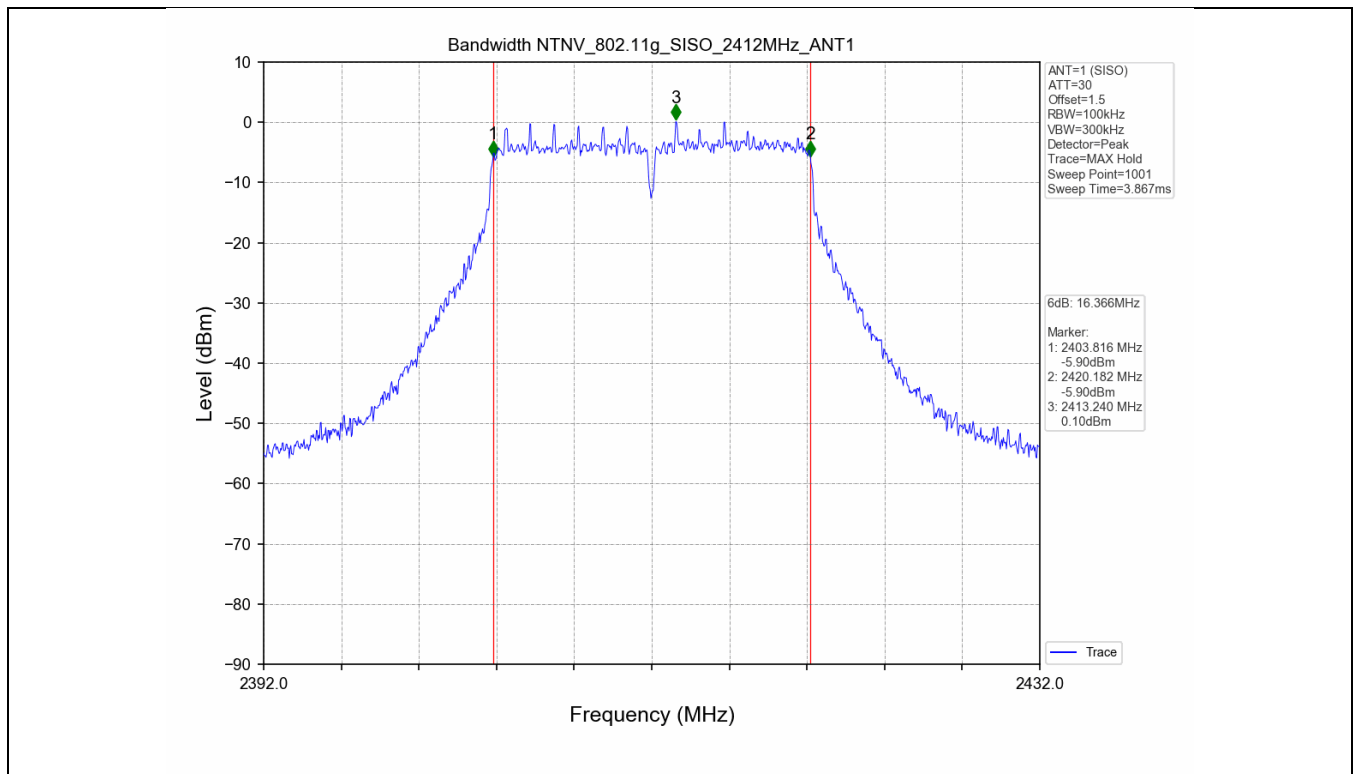
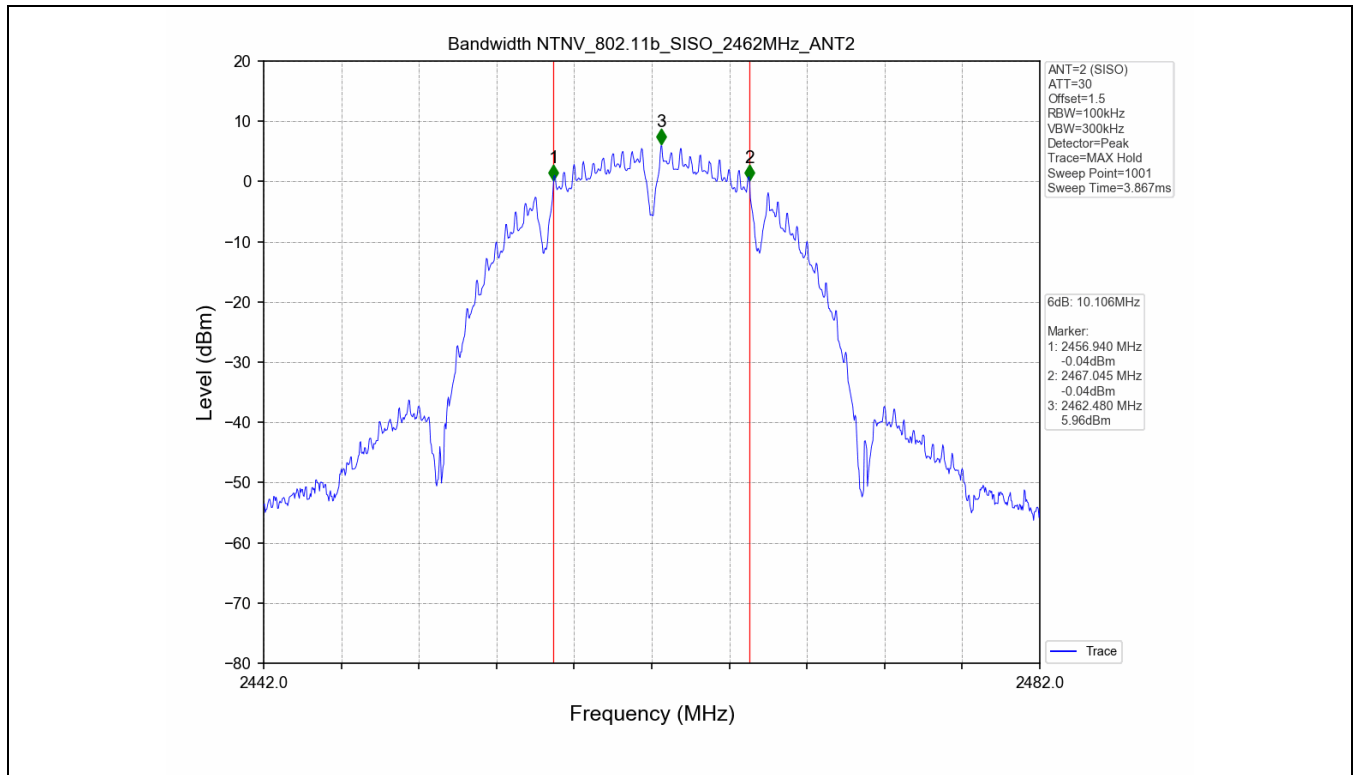
	2452	MIMO	1	36.048	Only for Report Use
			2	36.062	Only for Report Use

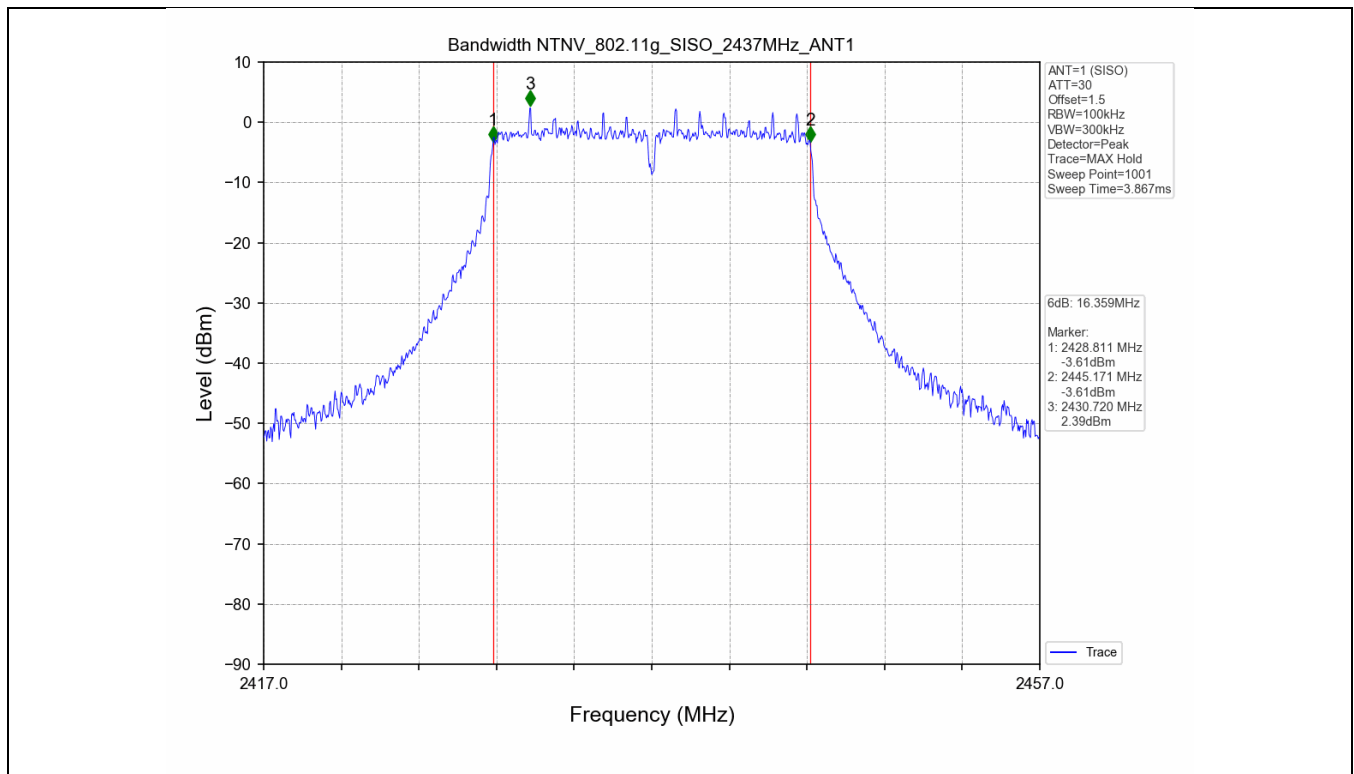
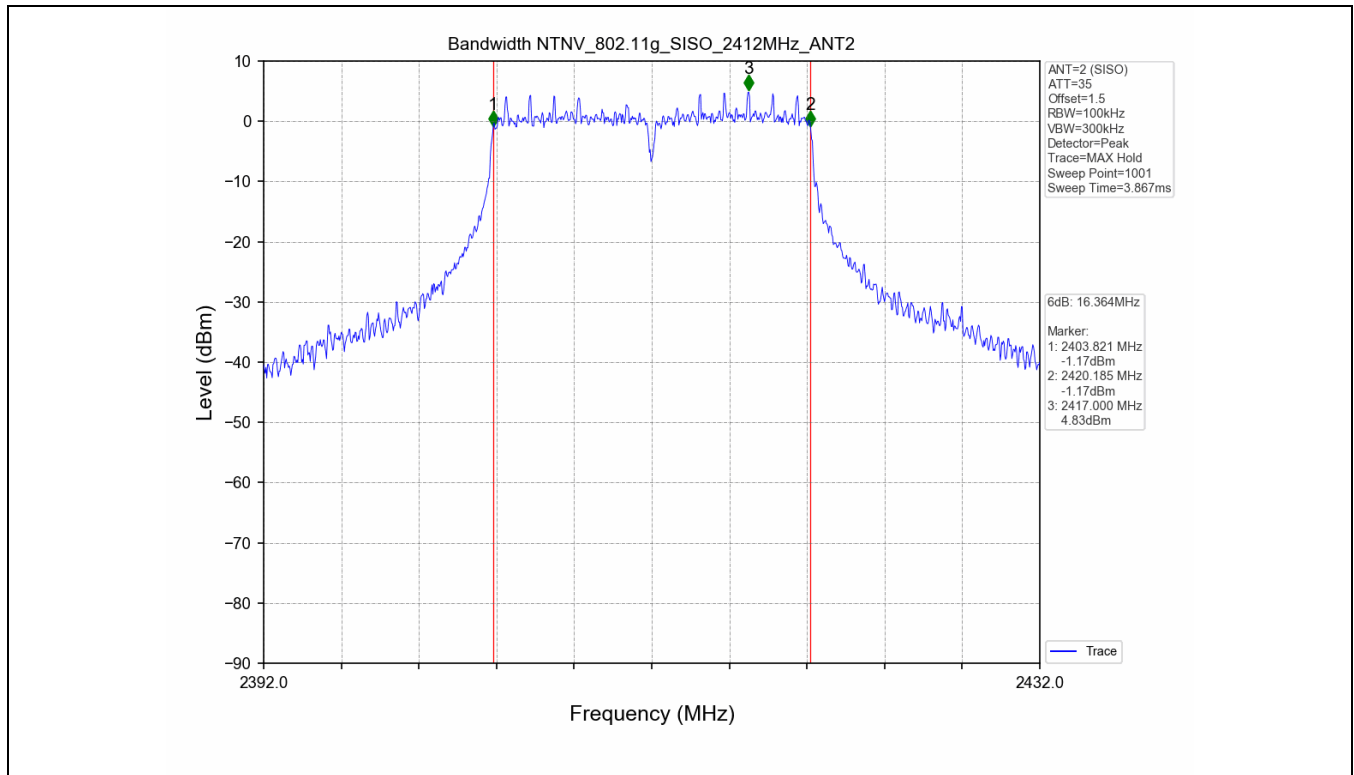
2.2 Test Graph - 6dB Bandwidth

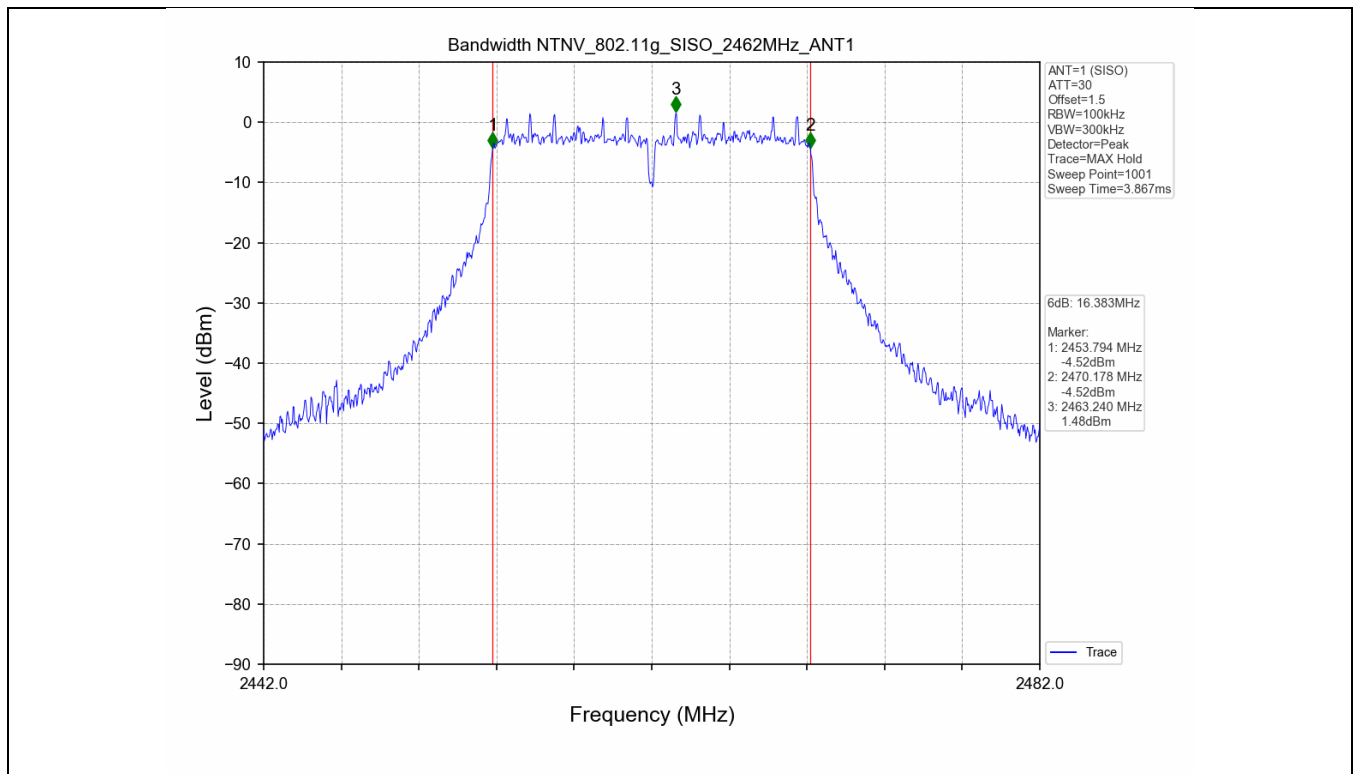
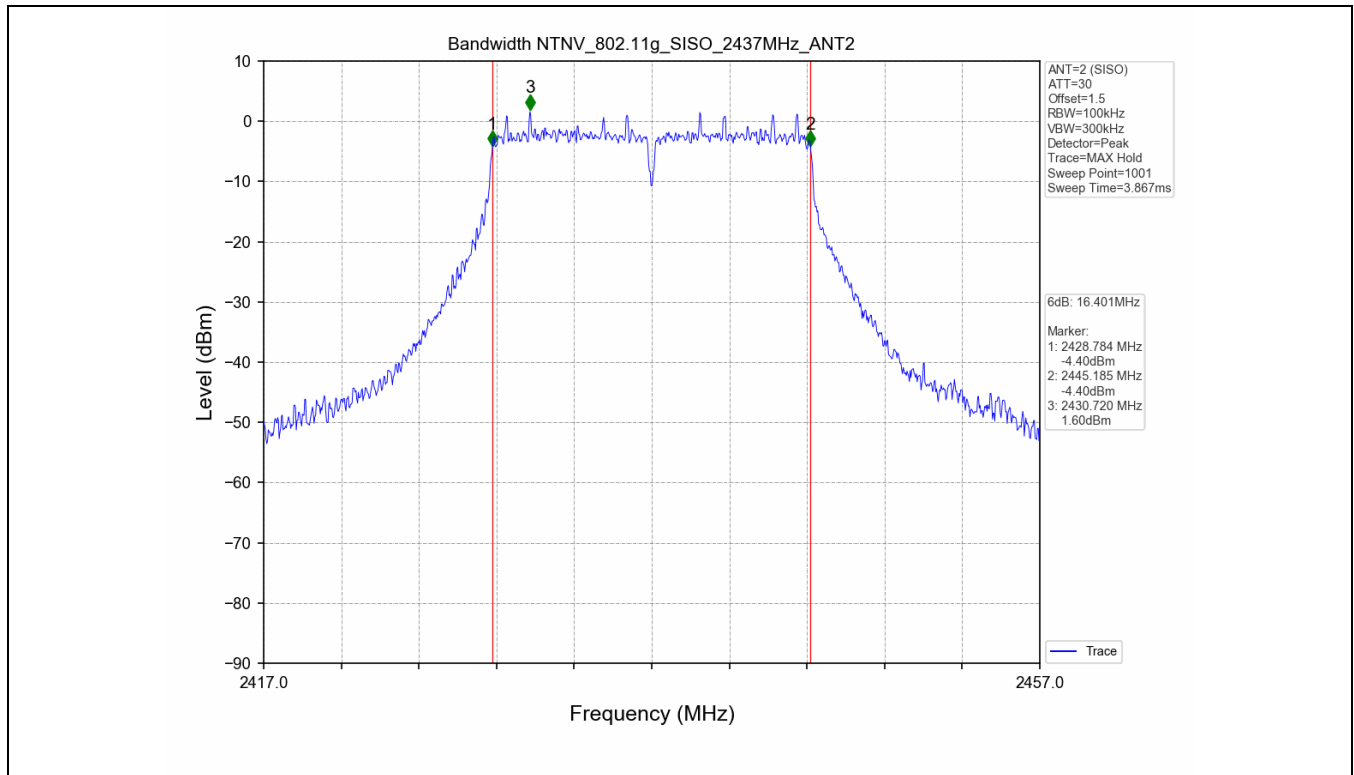


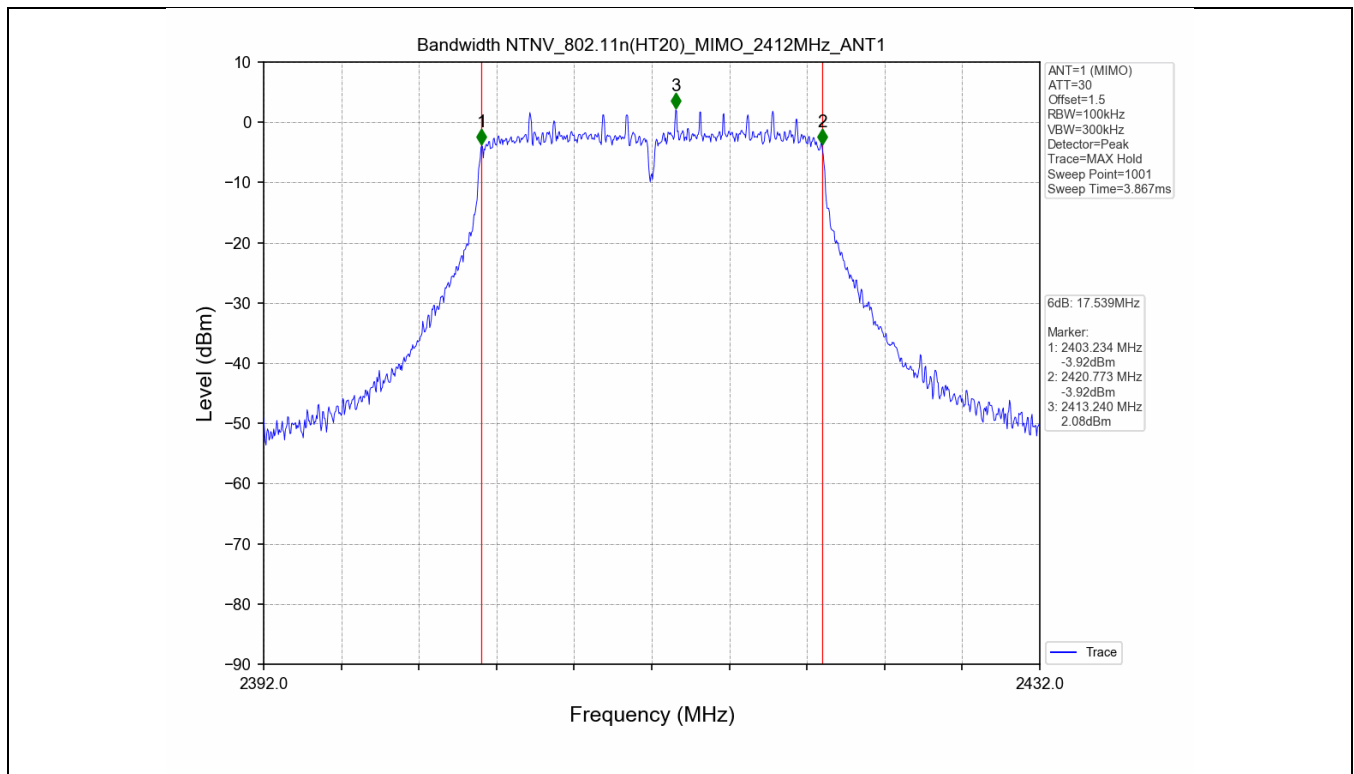
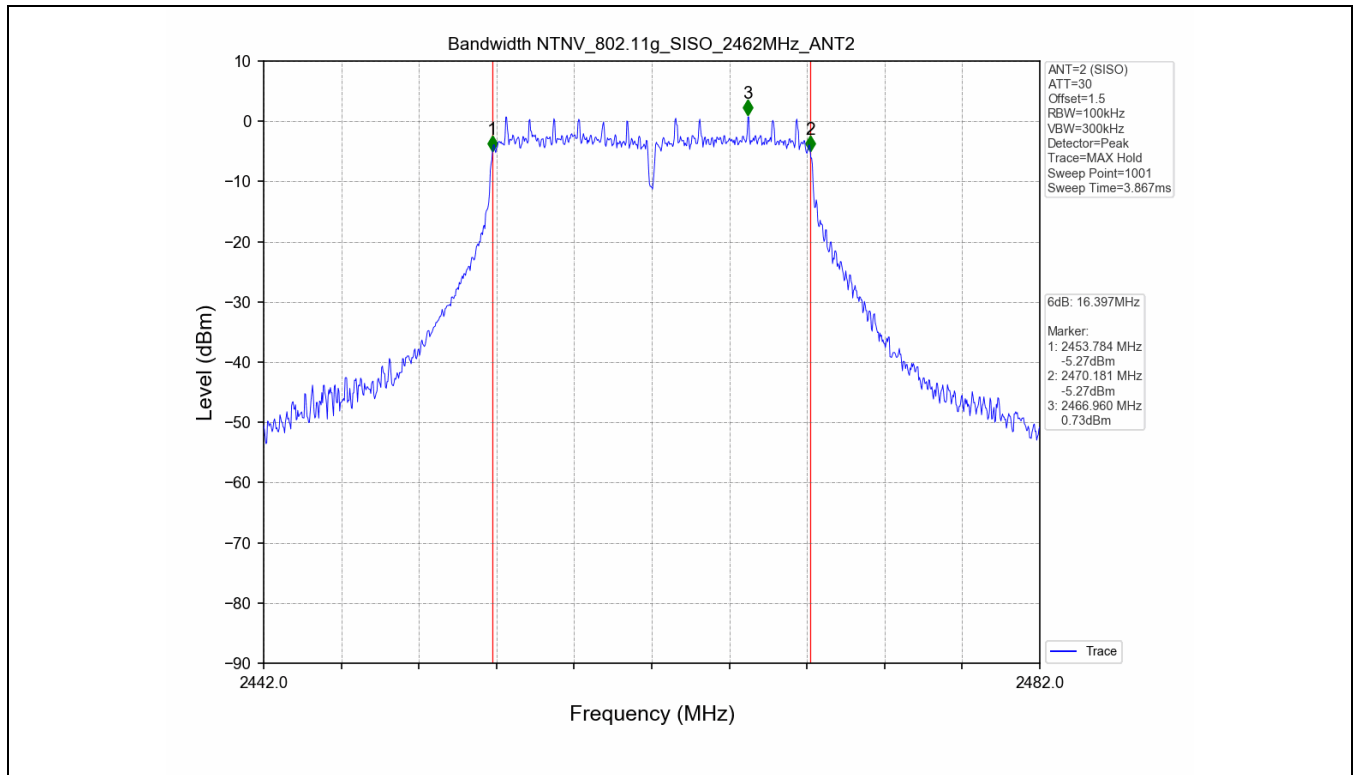


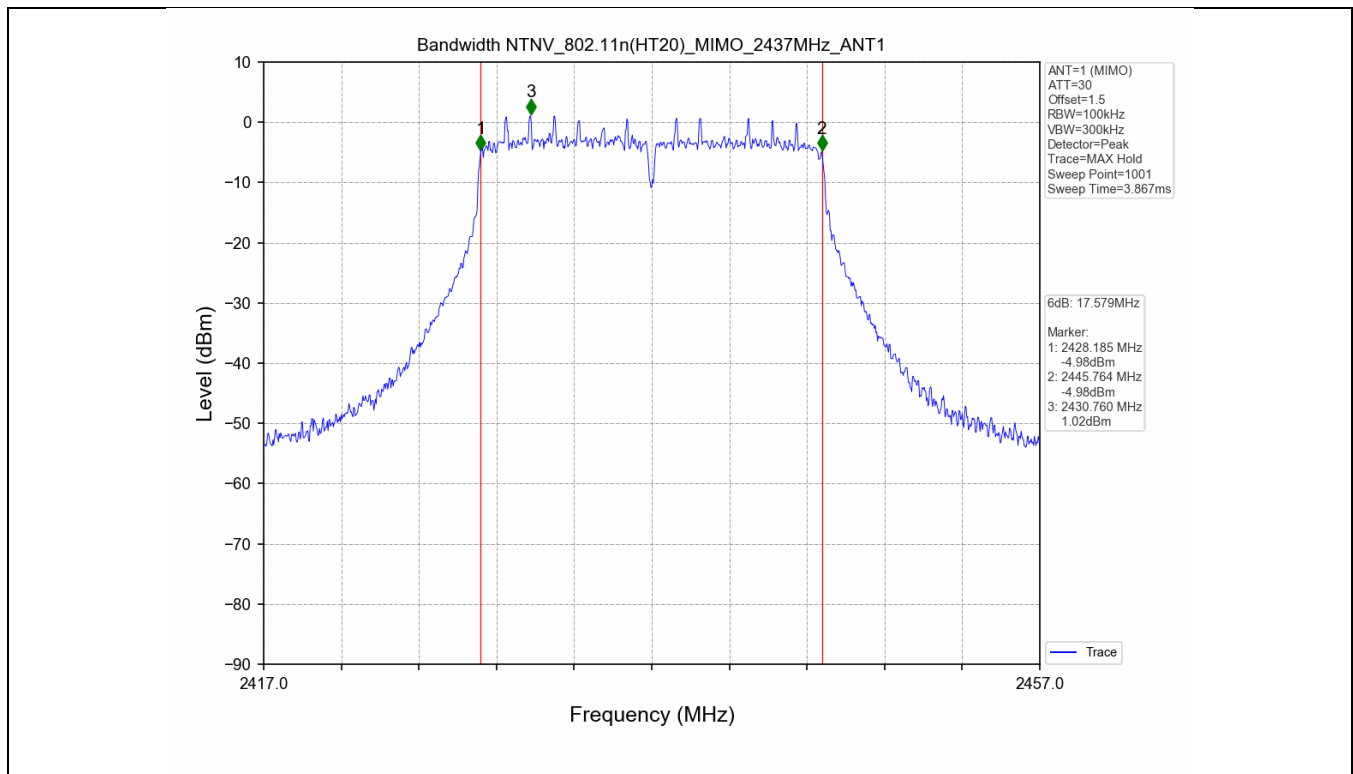
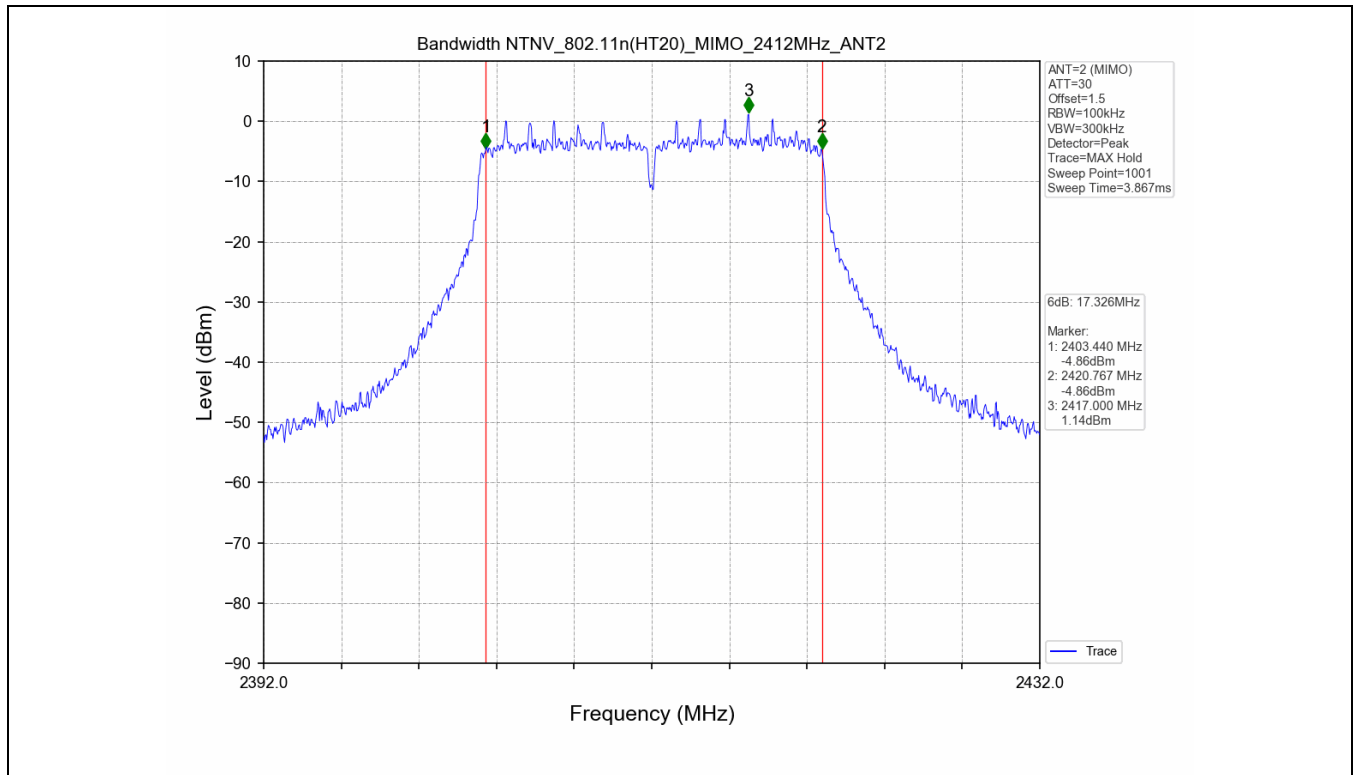


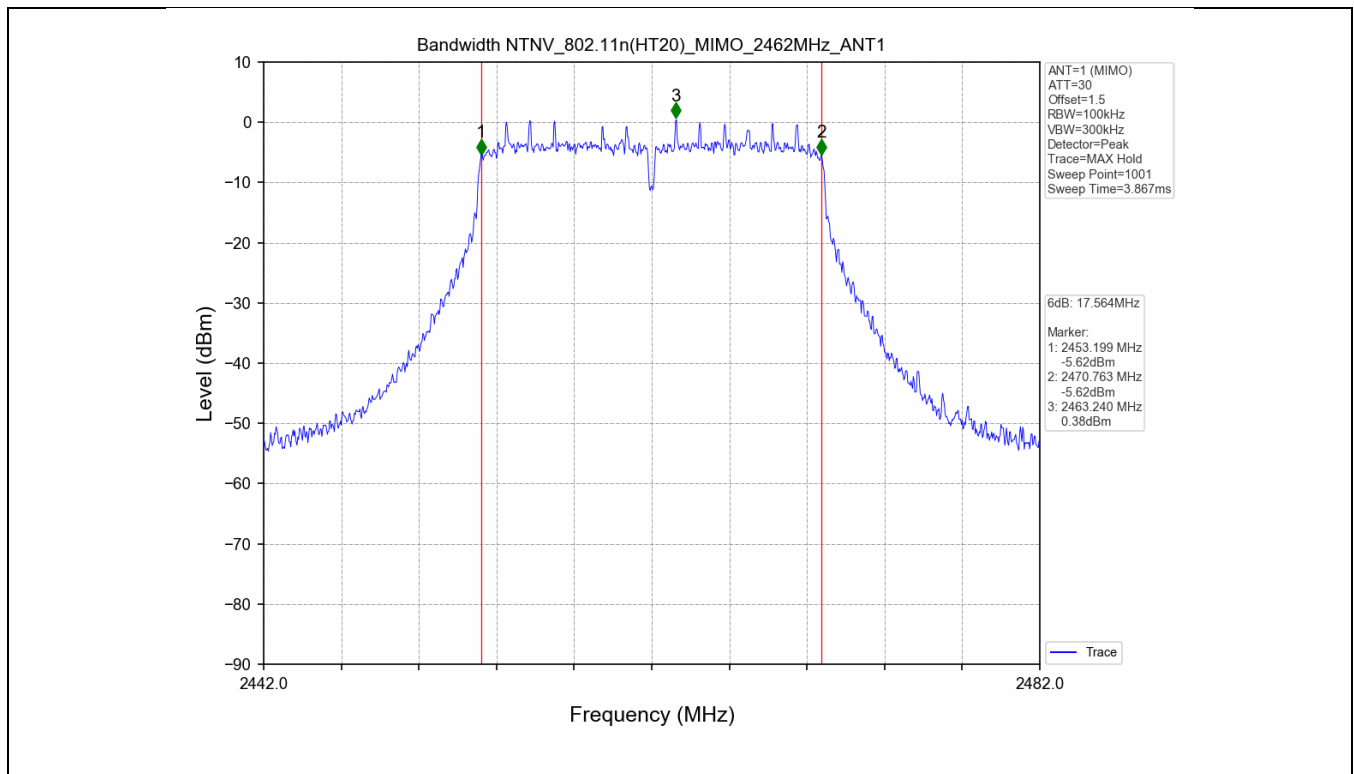
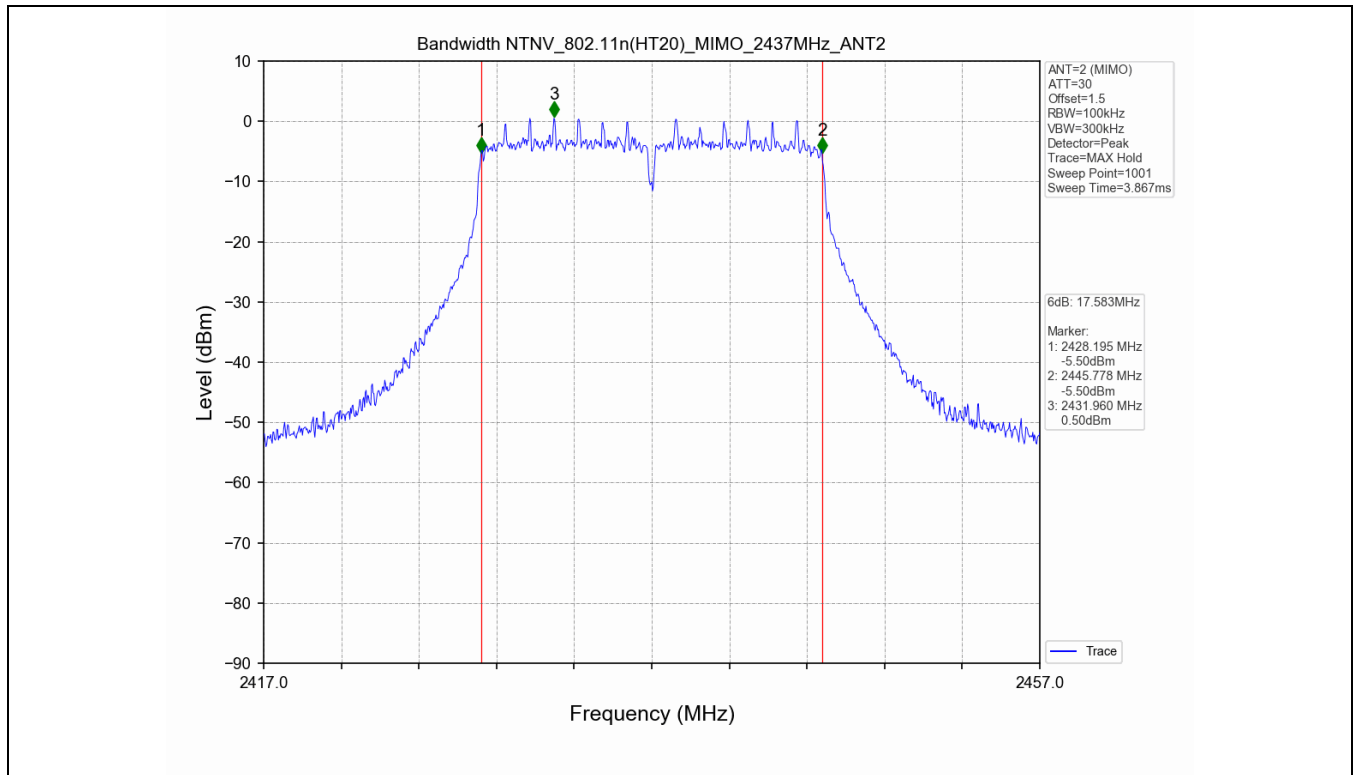


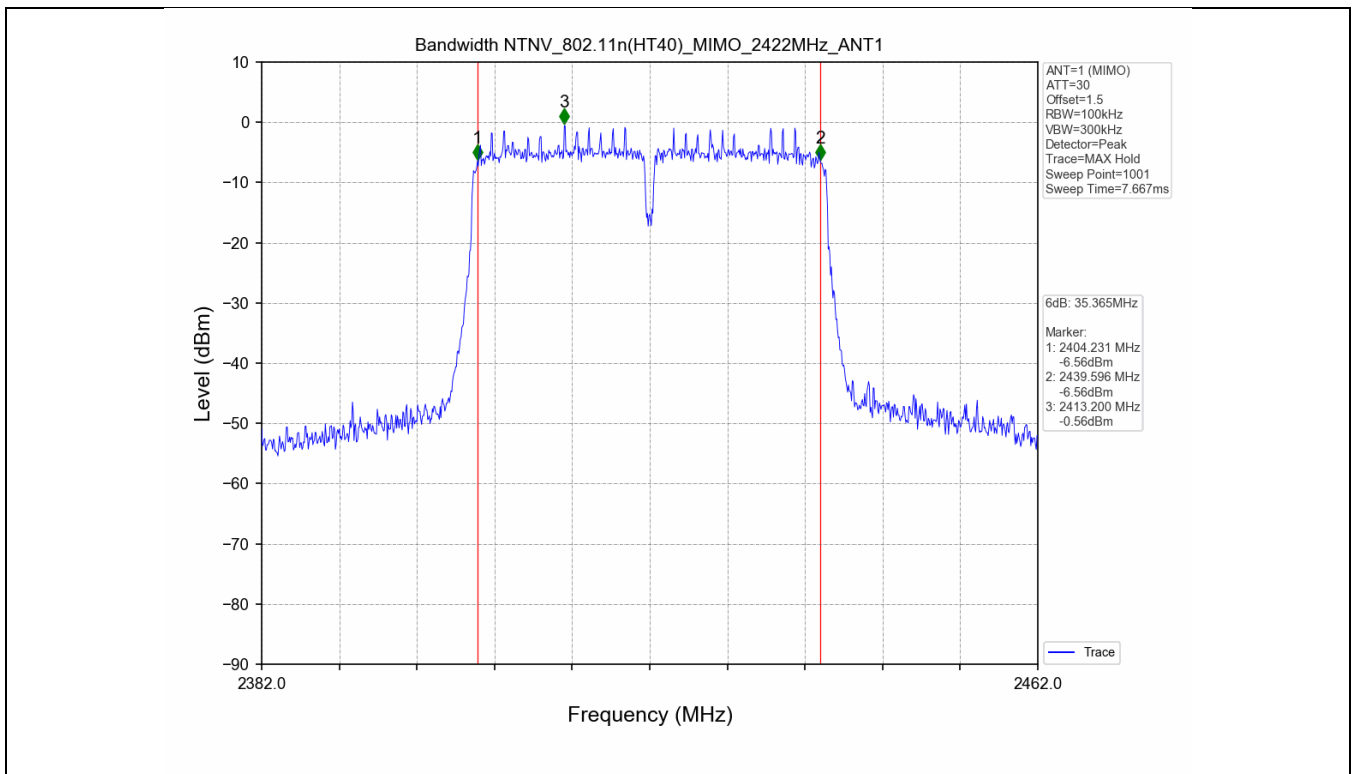
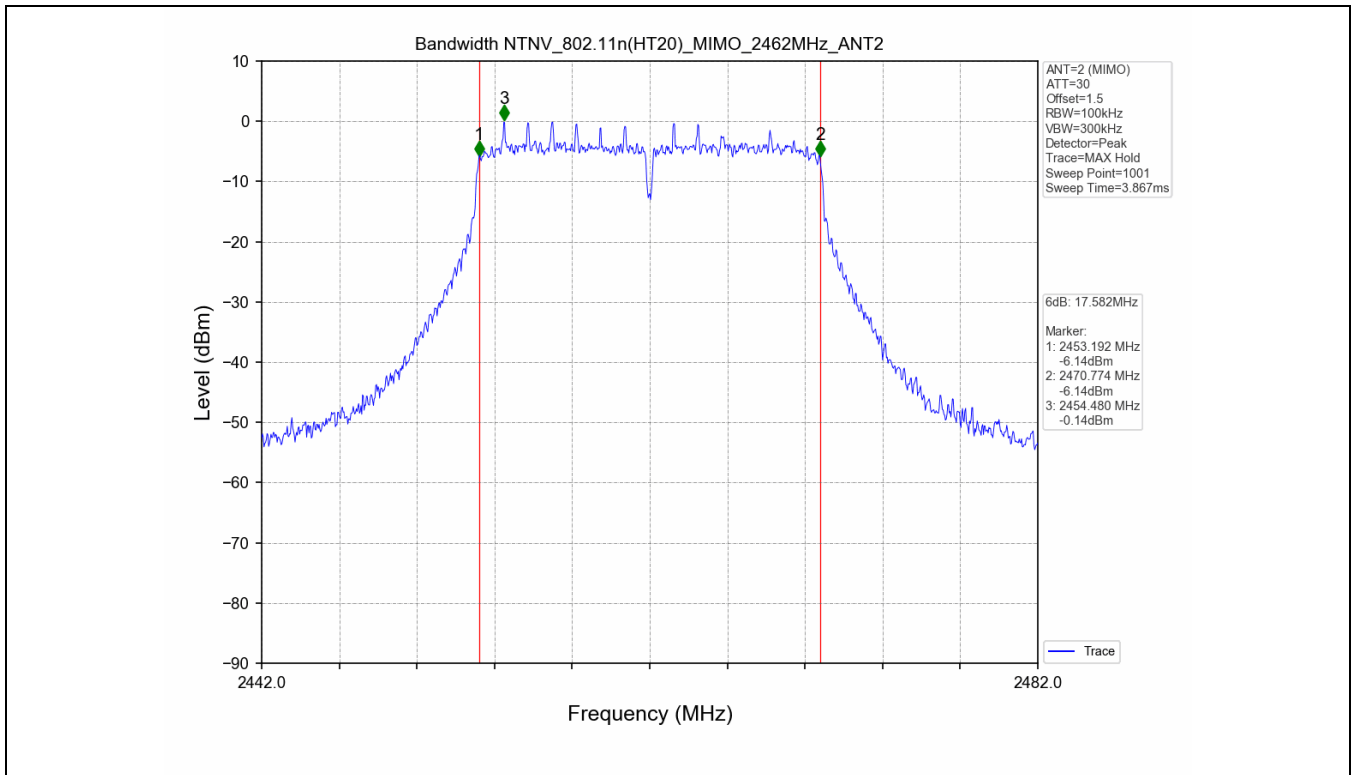


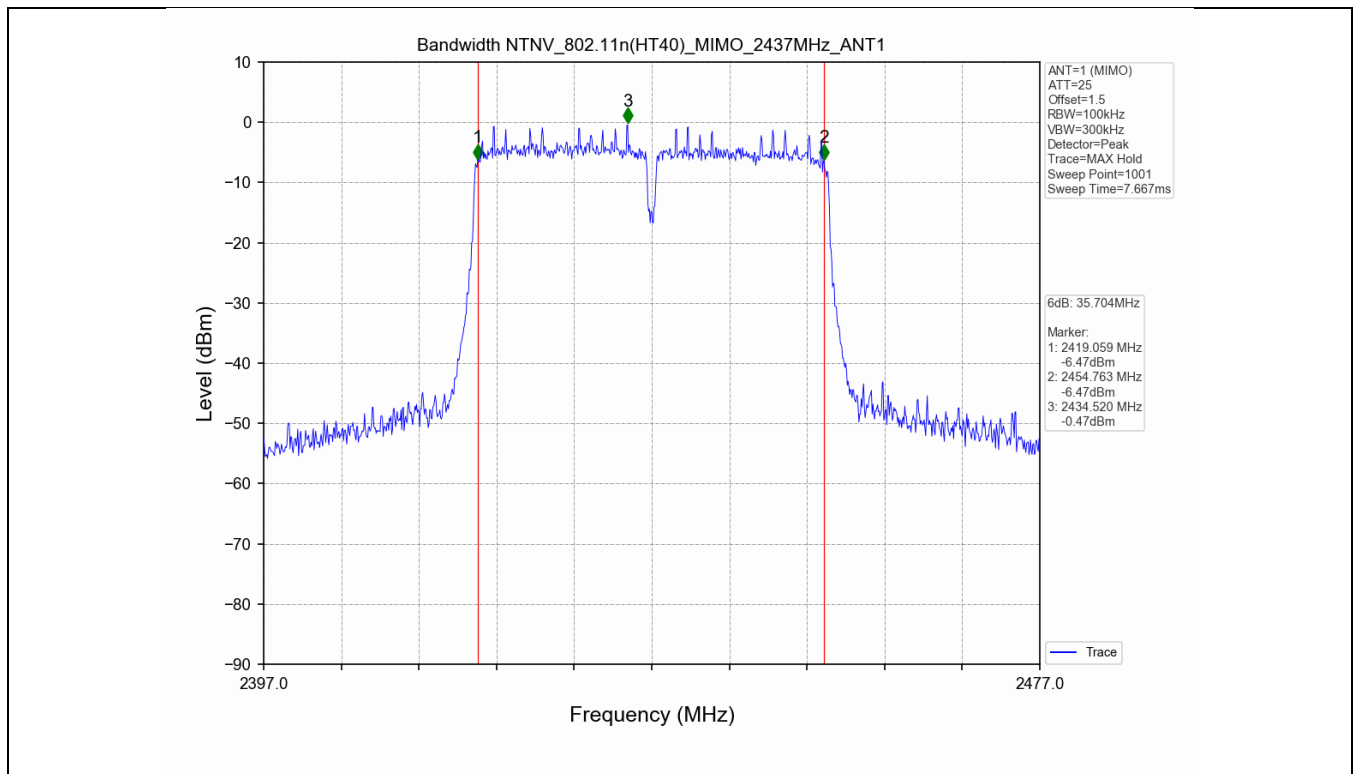
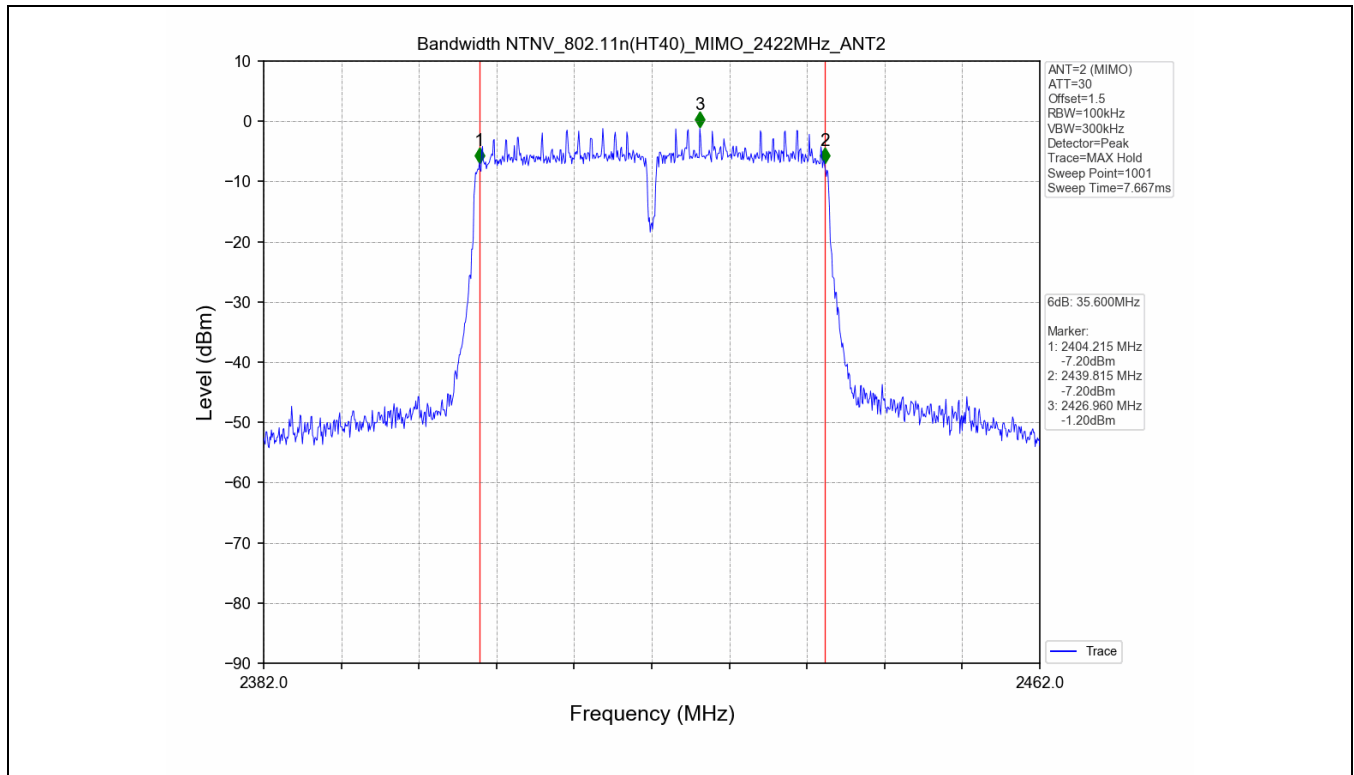


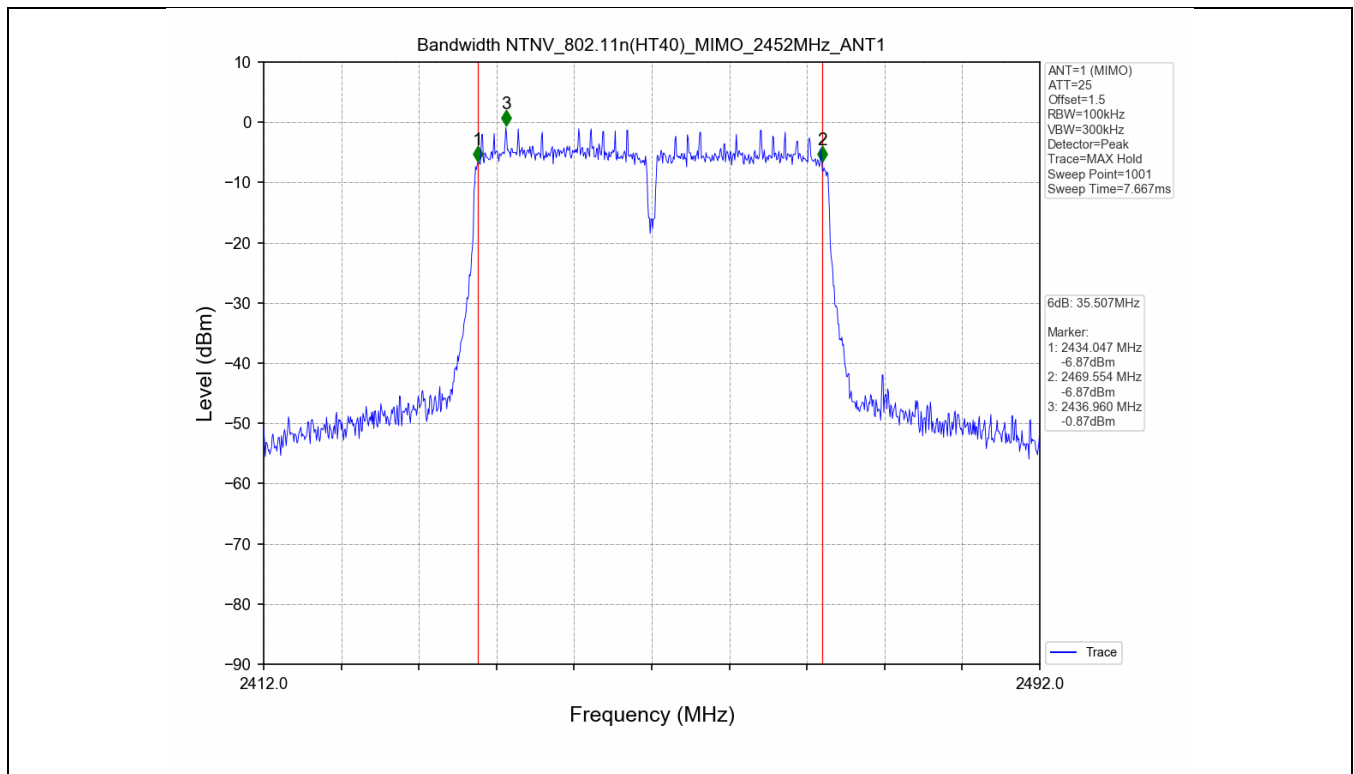
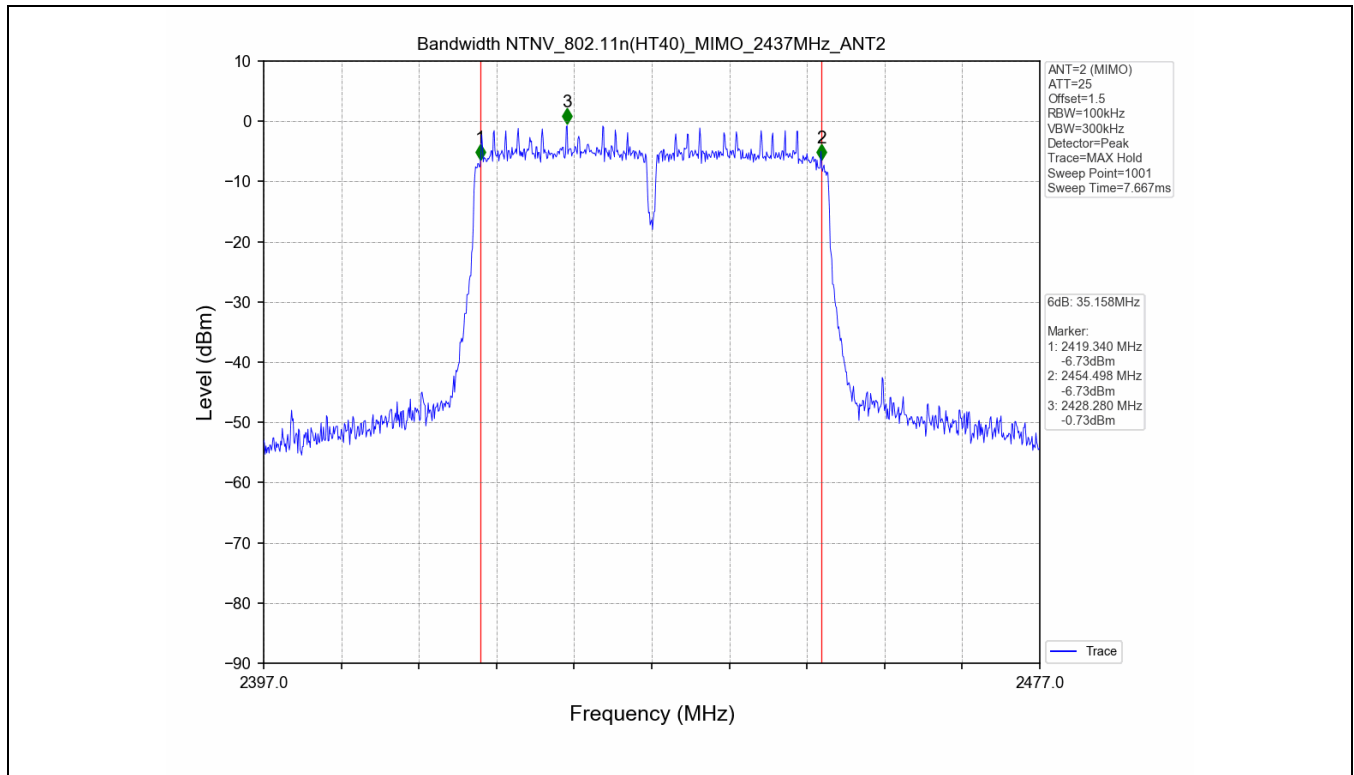


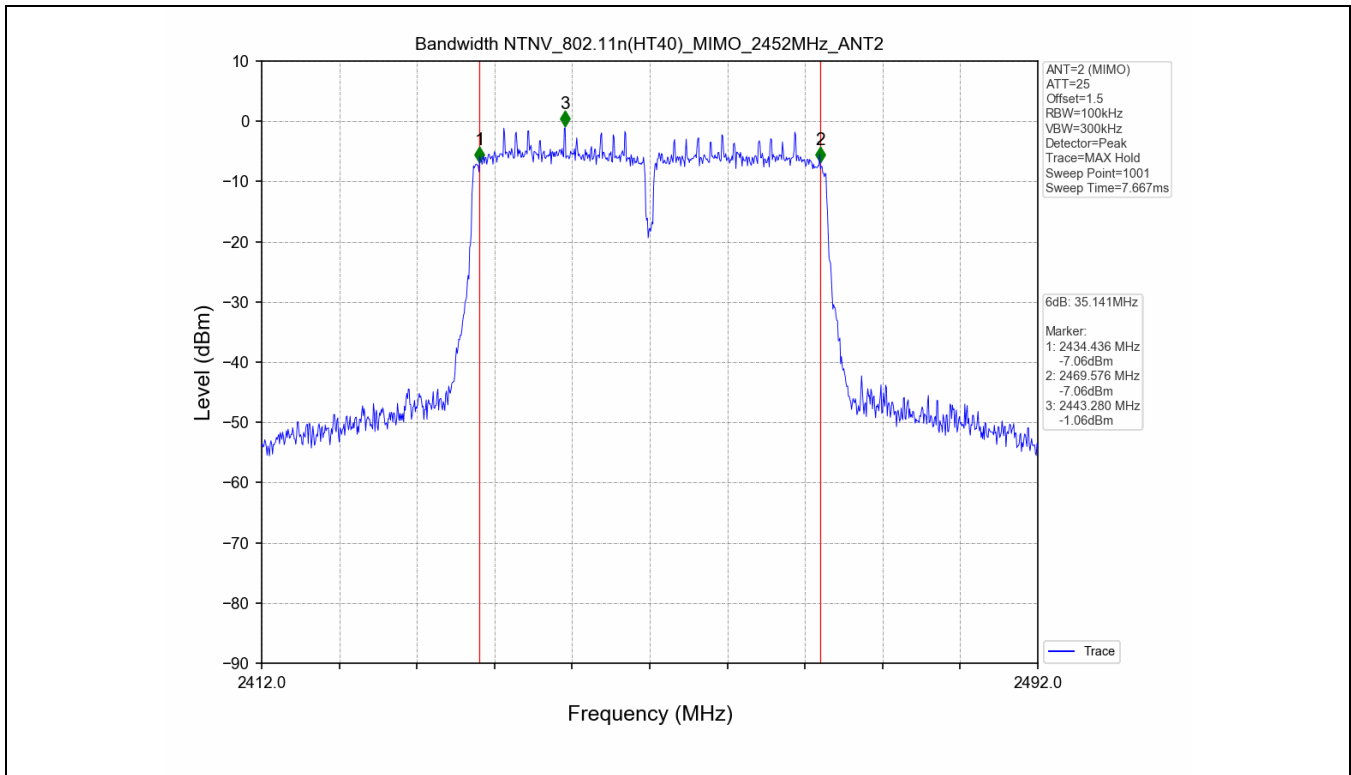




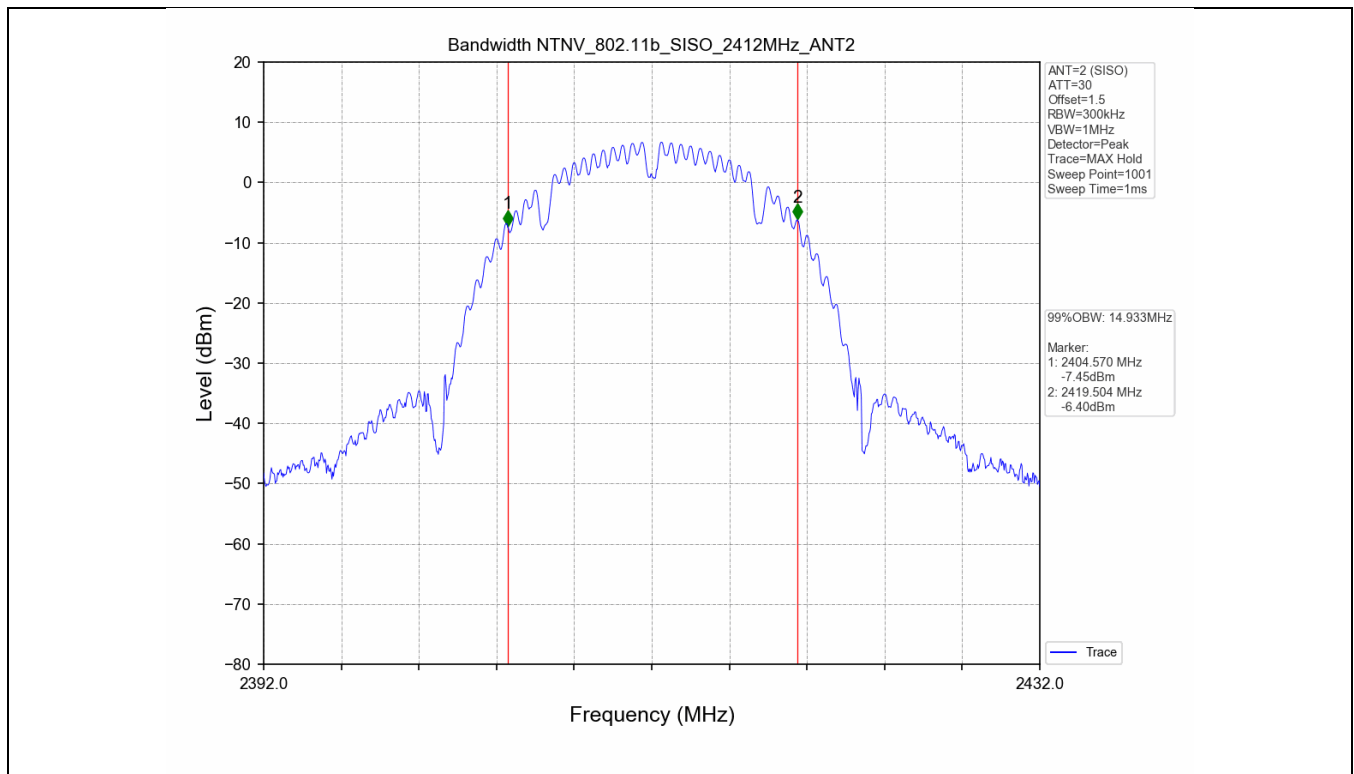
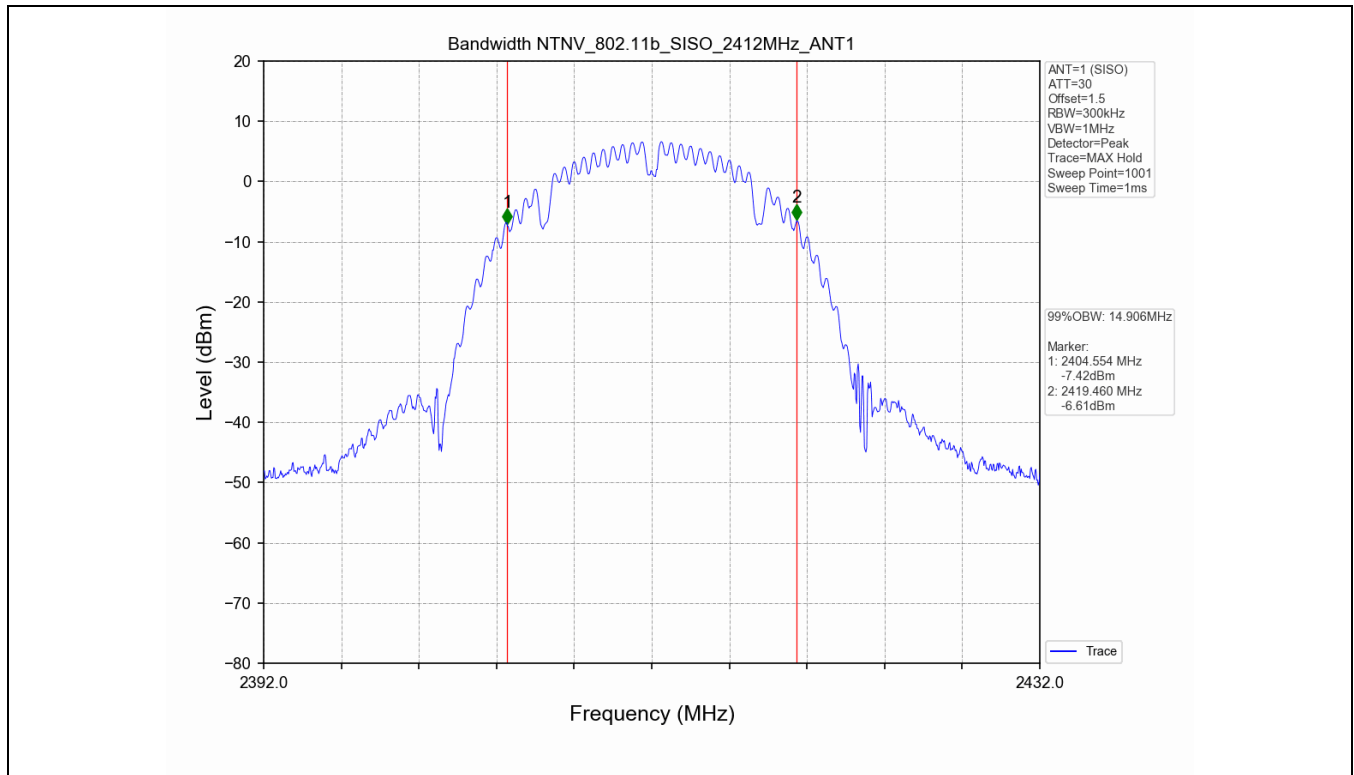


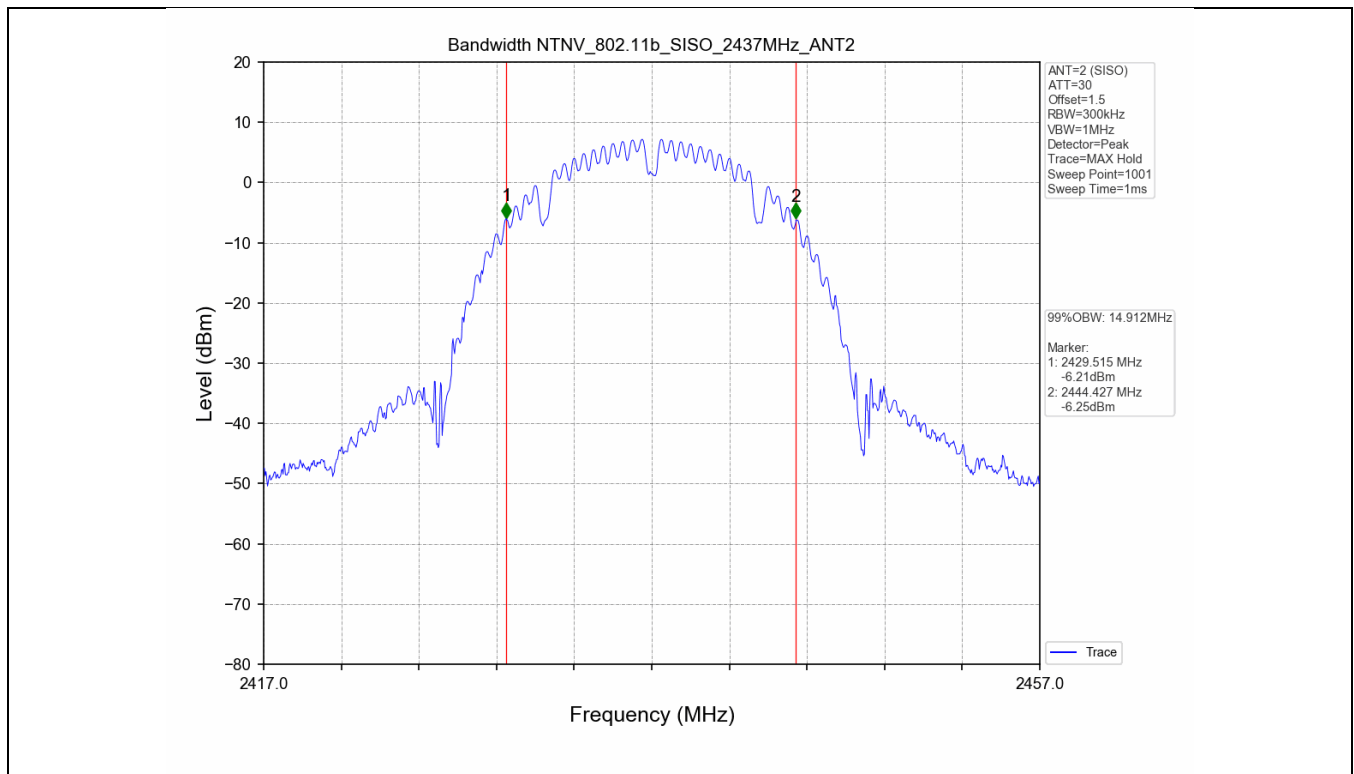
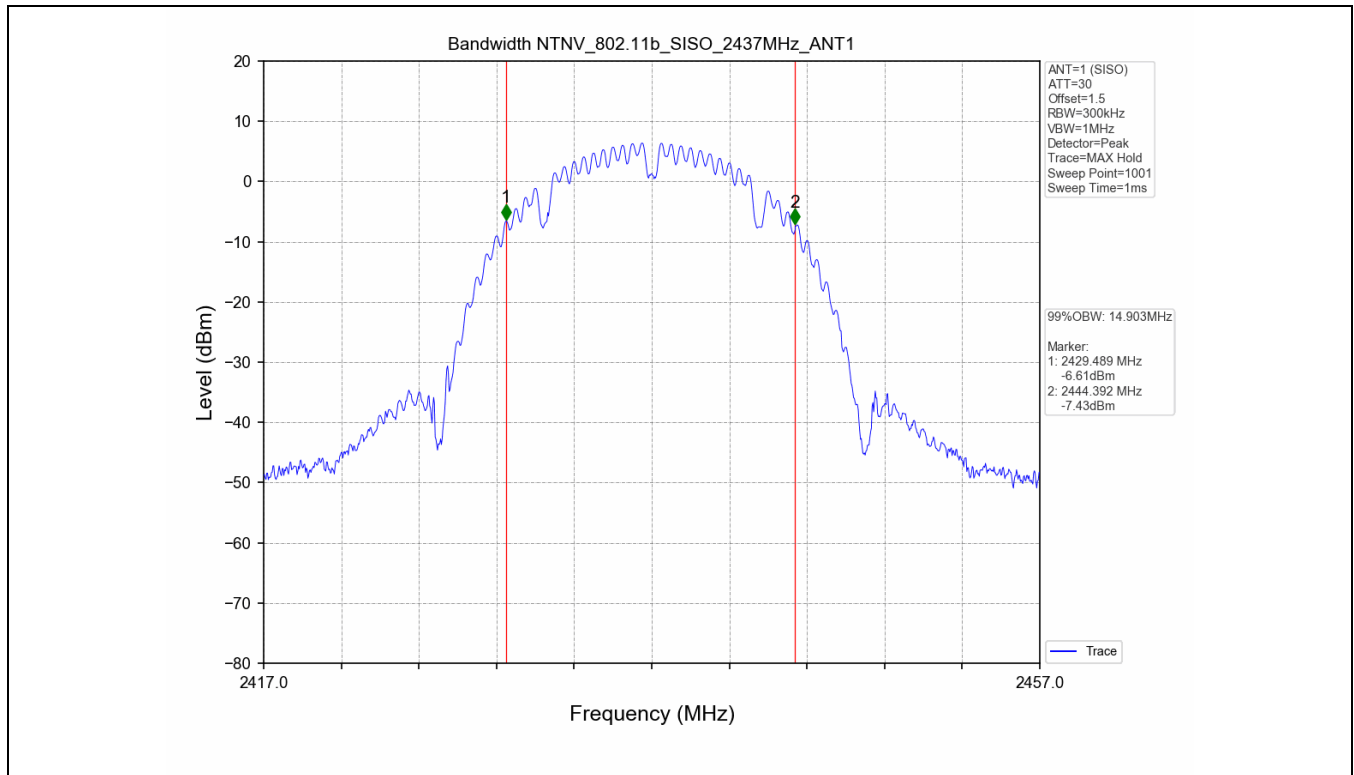


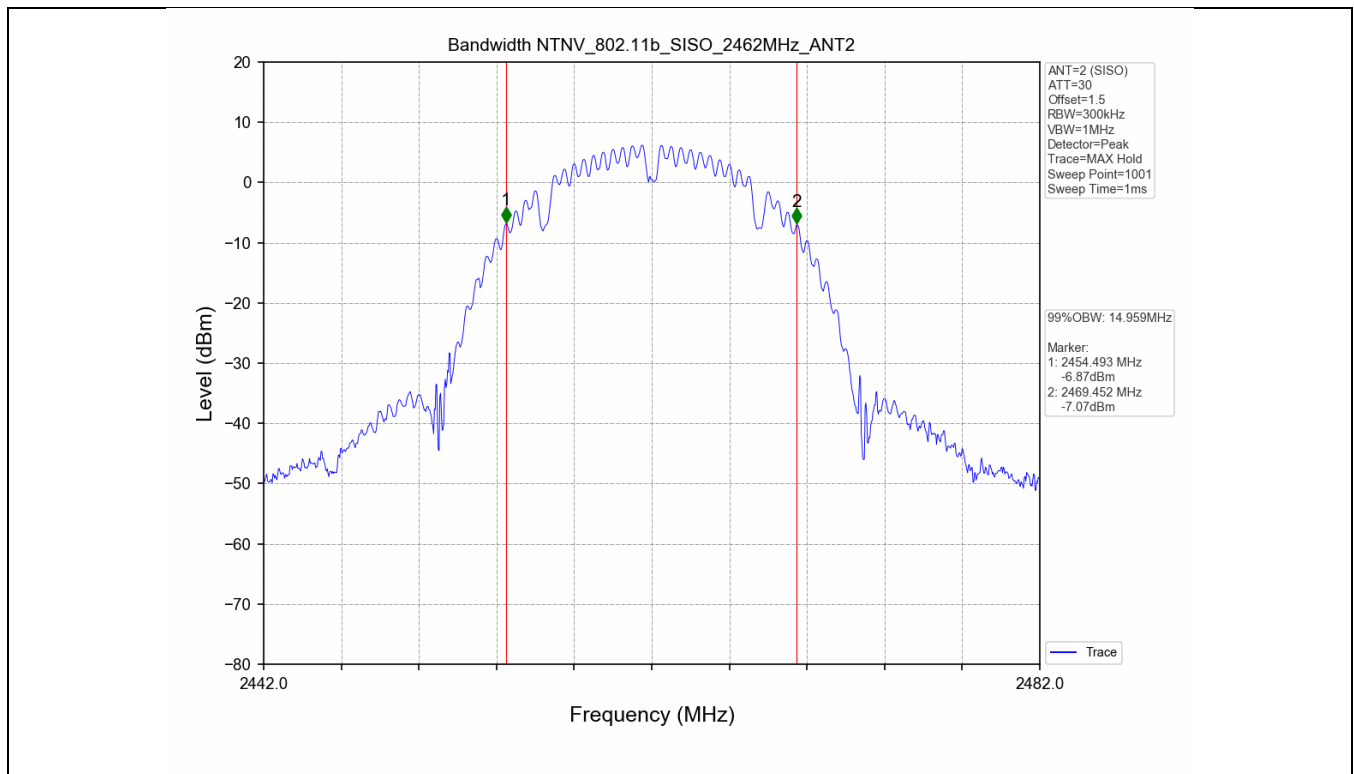
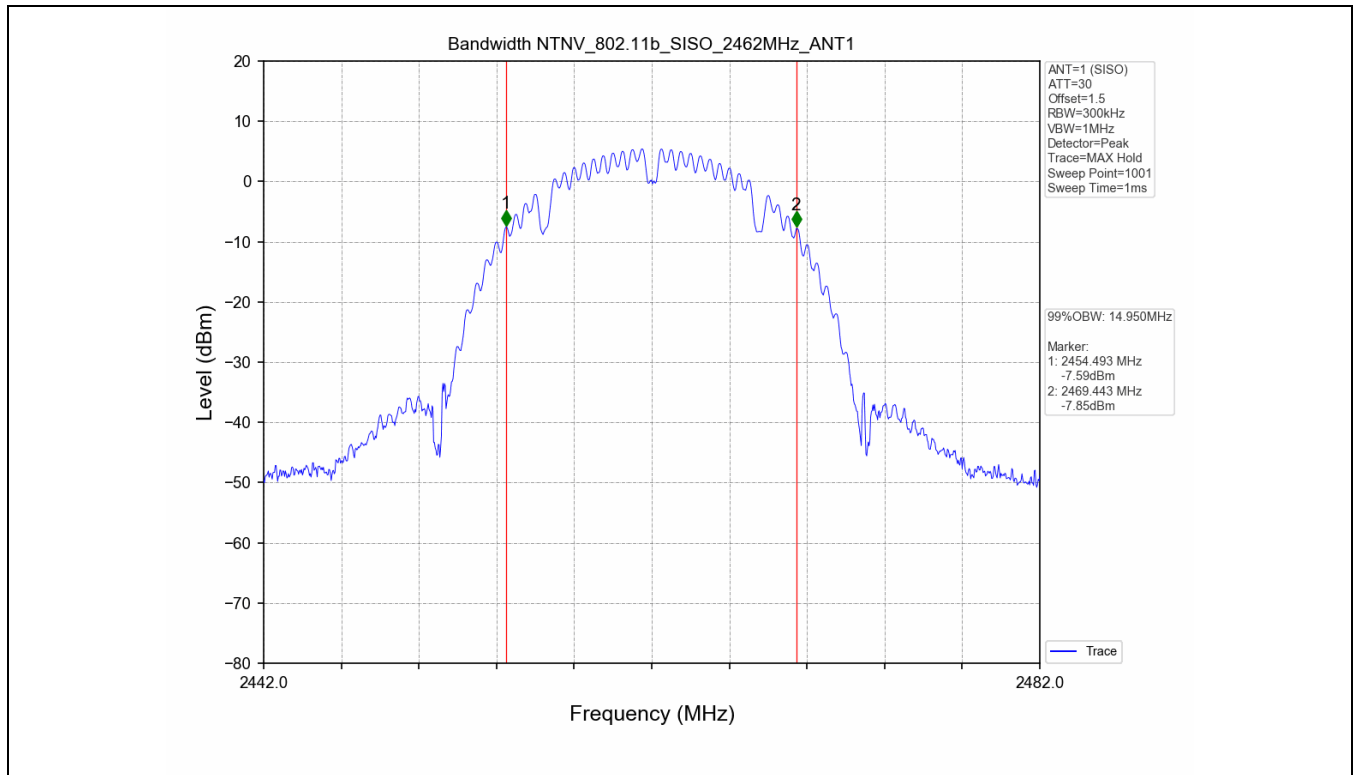


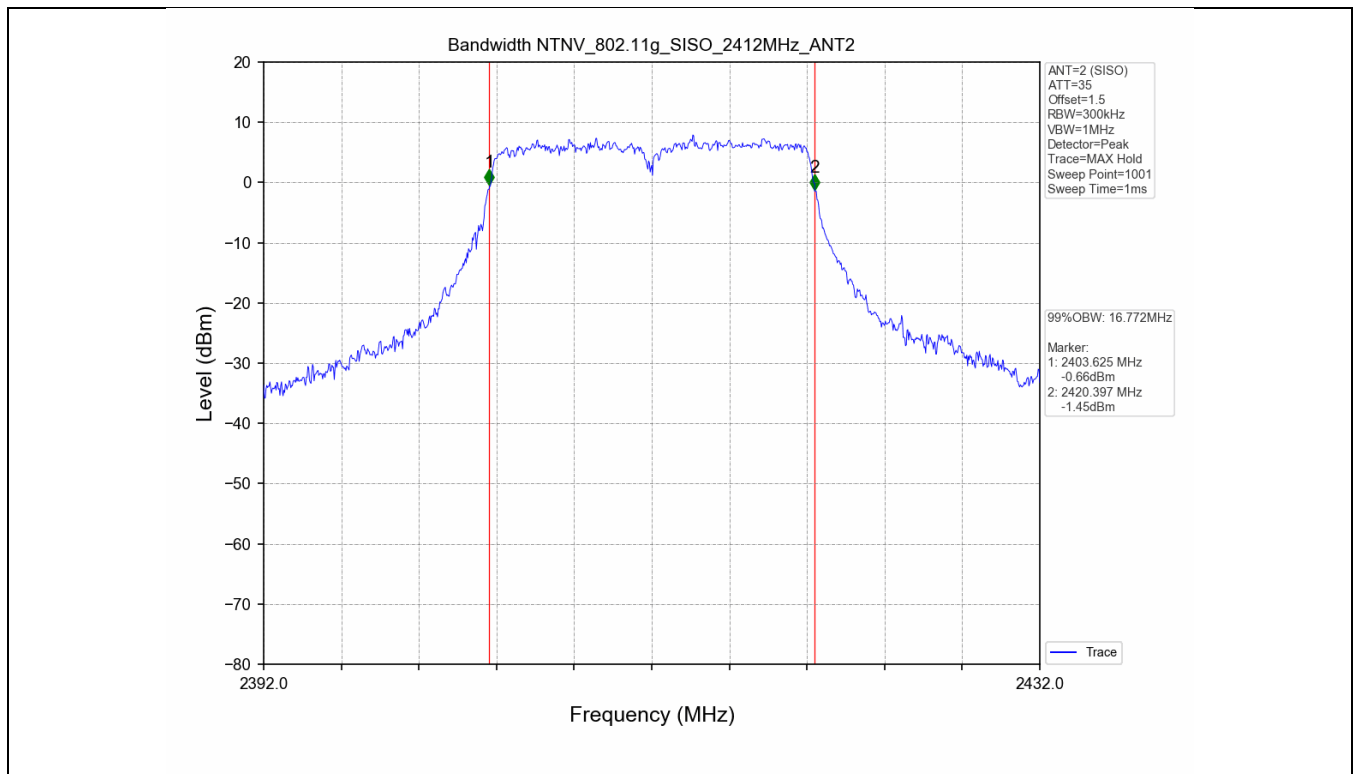
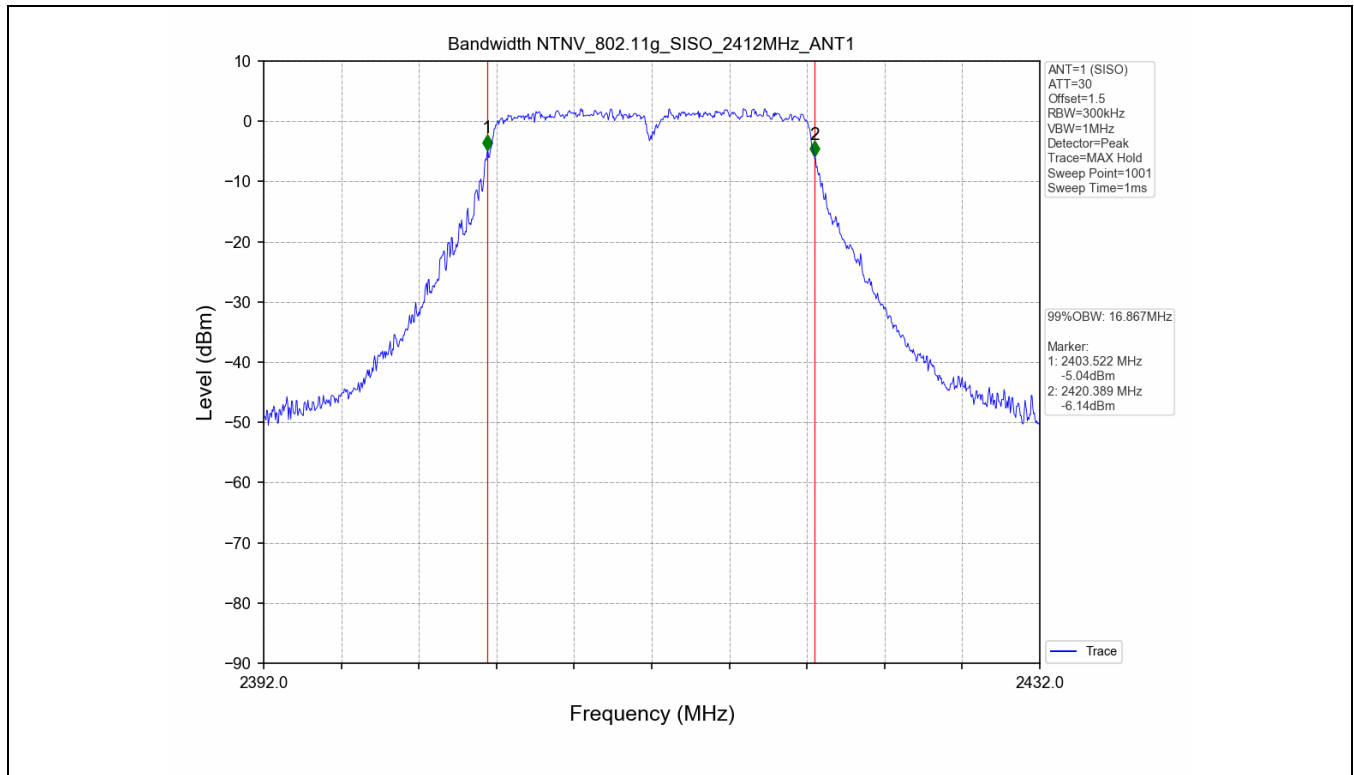


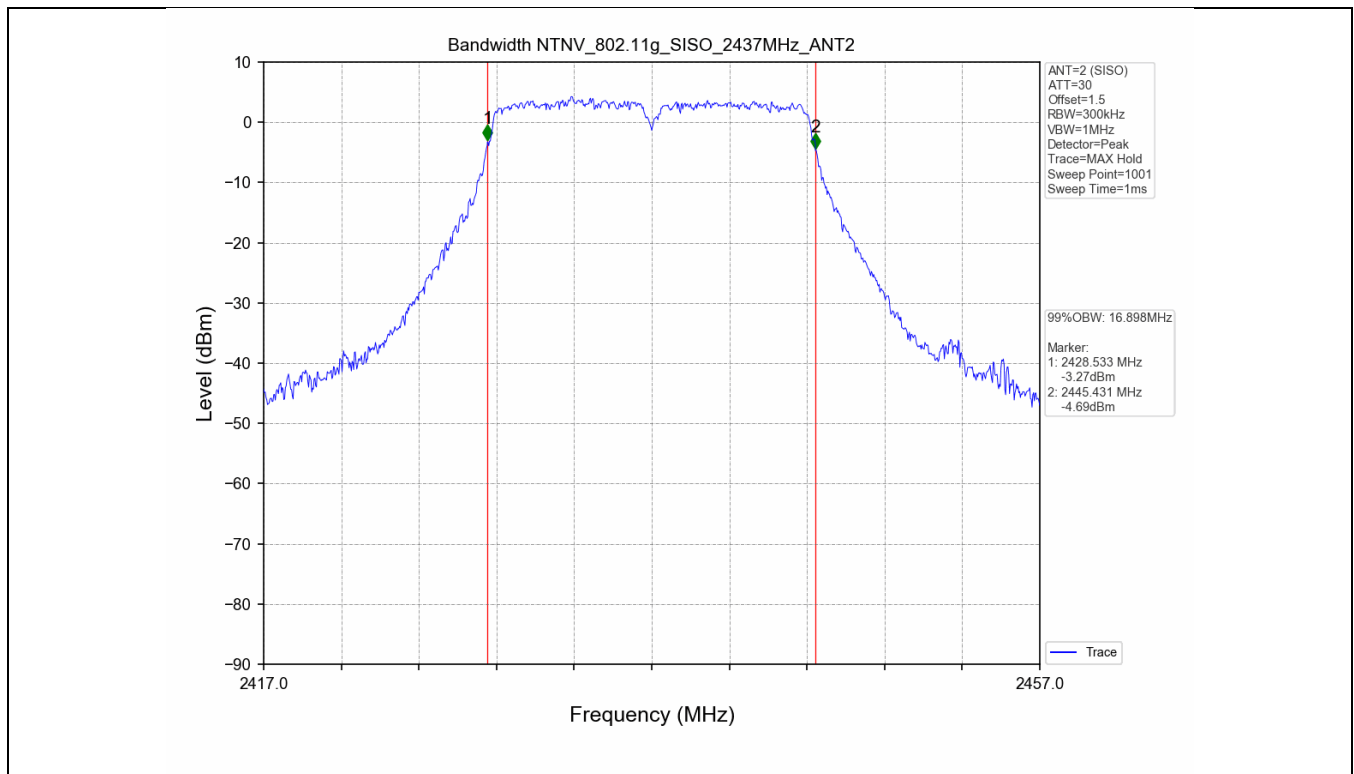
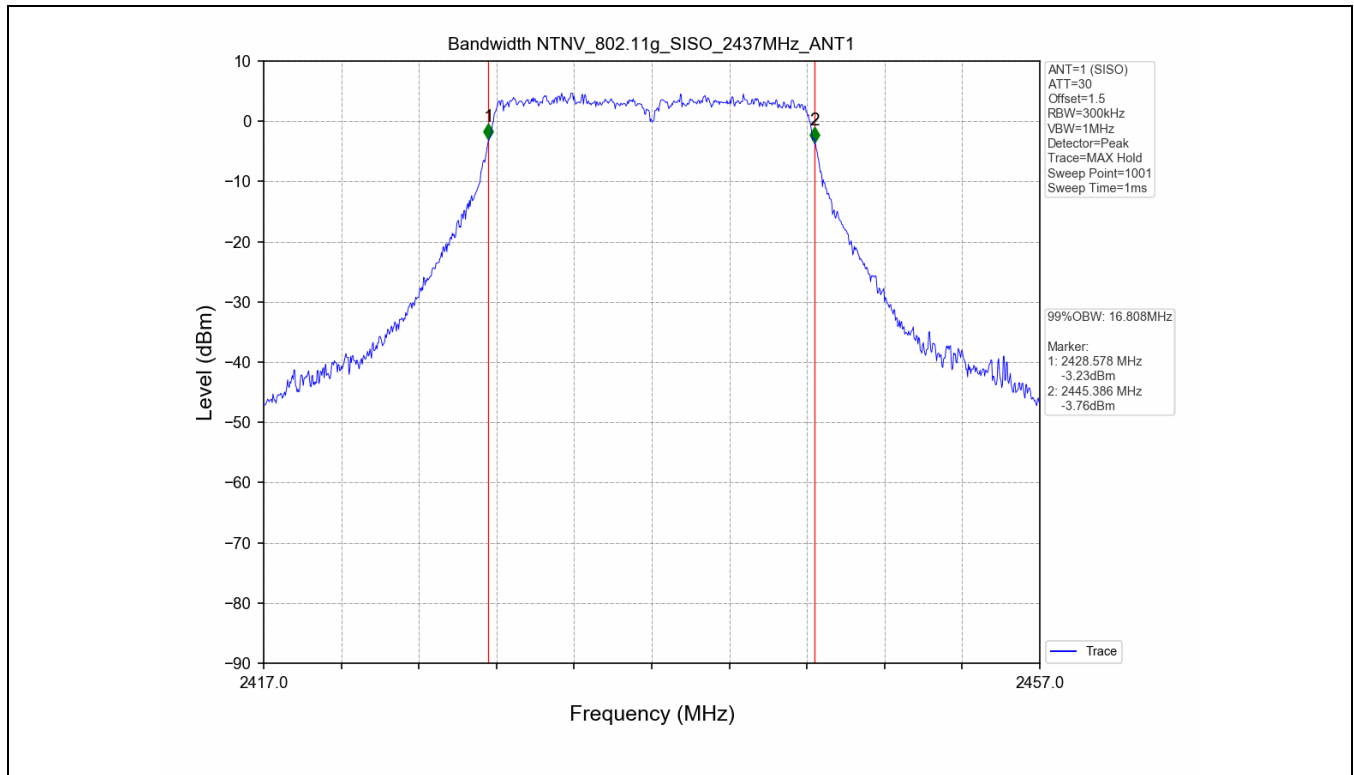
2.3 Test Graph - 99% Occupied Bandwidth

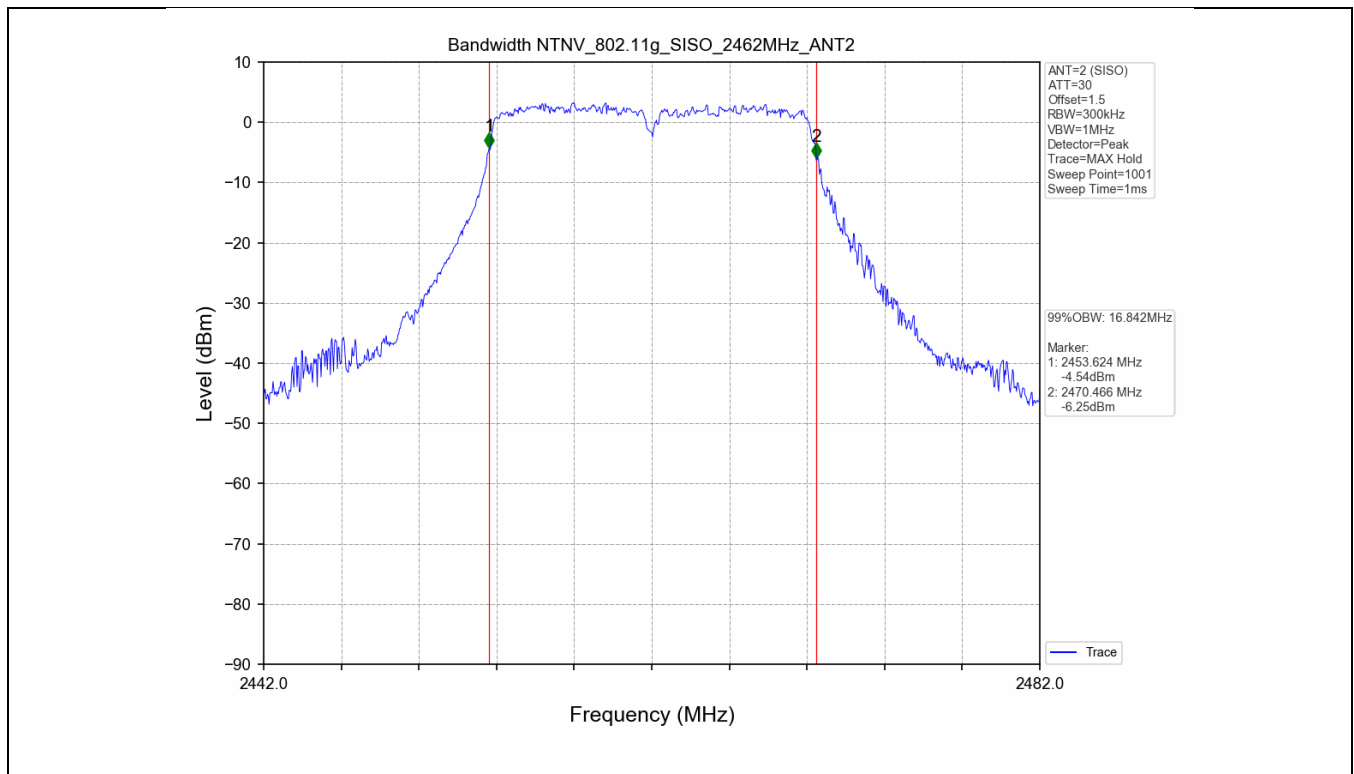
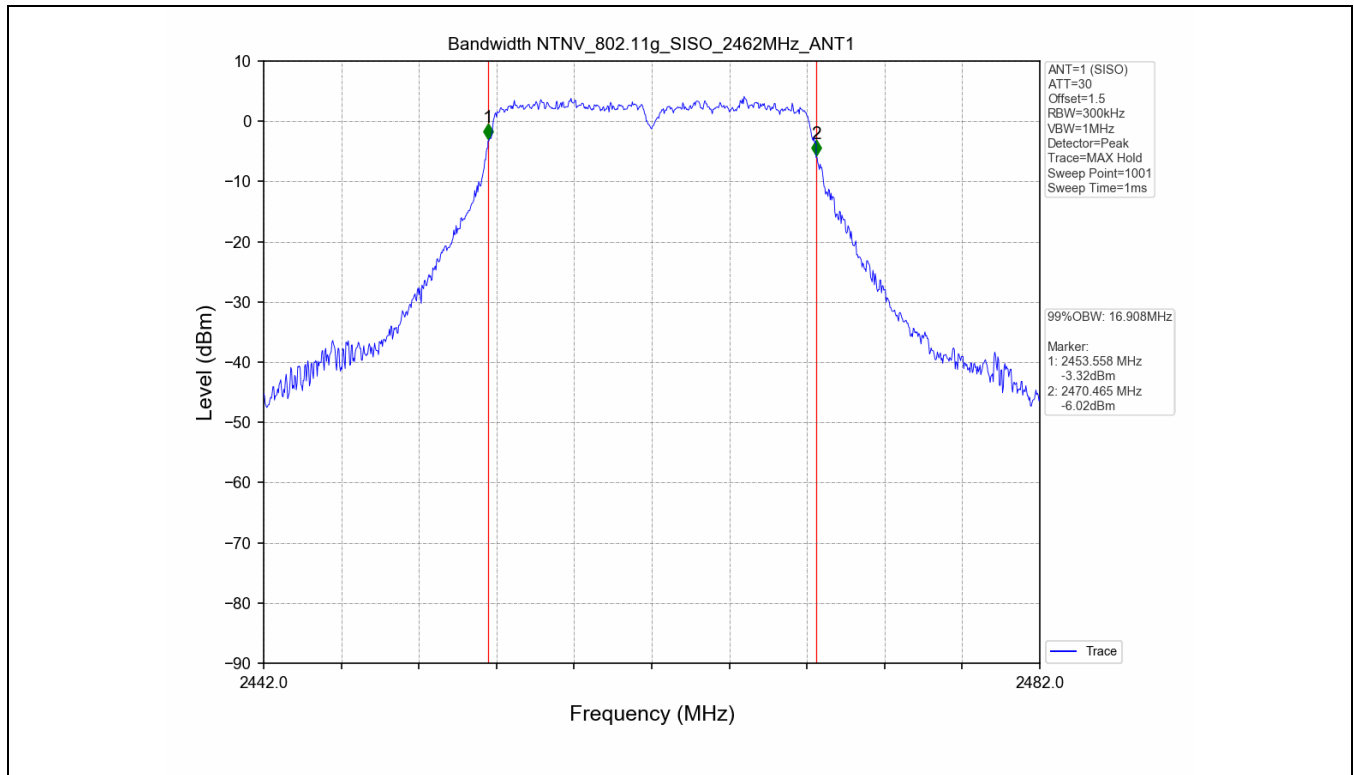


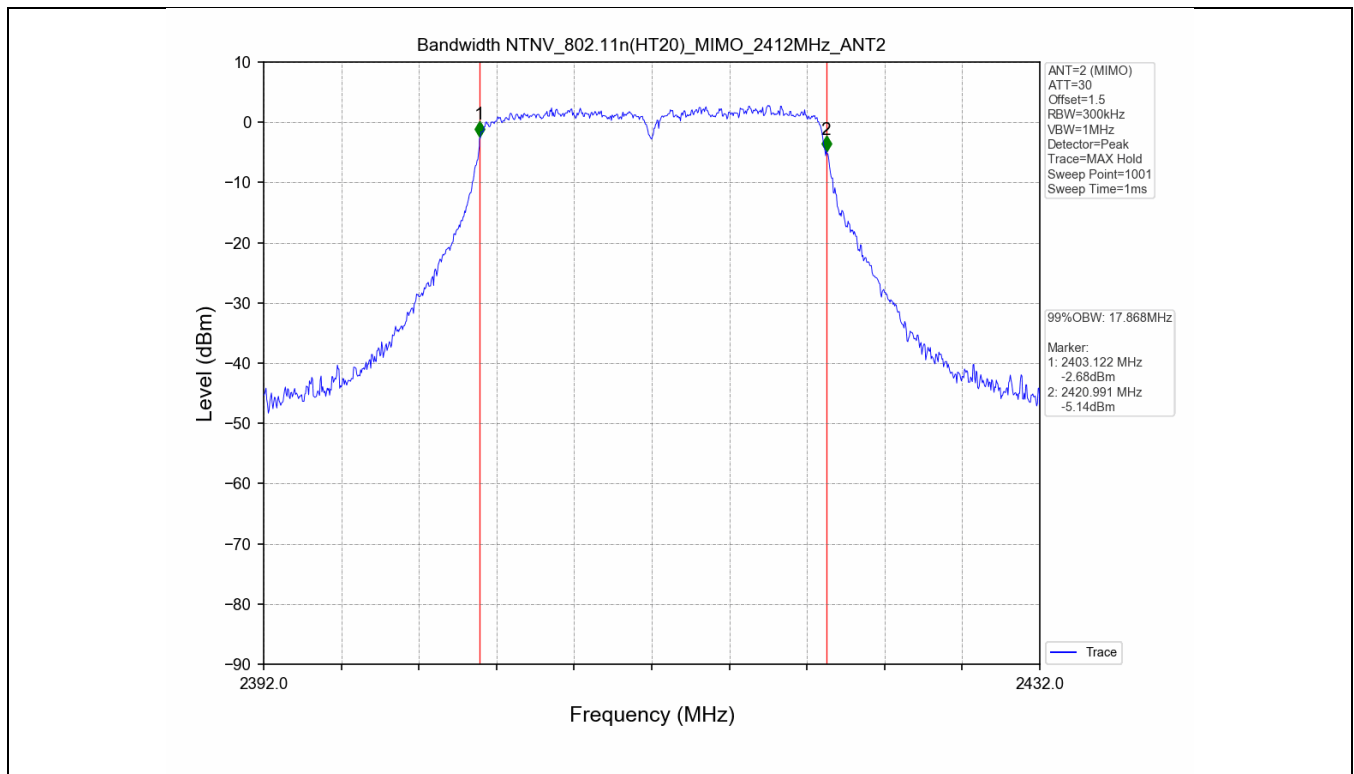
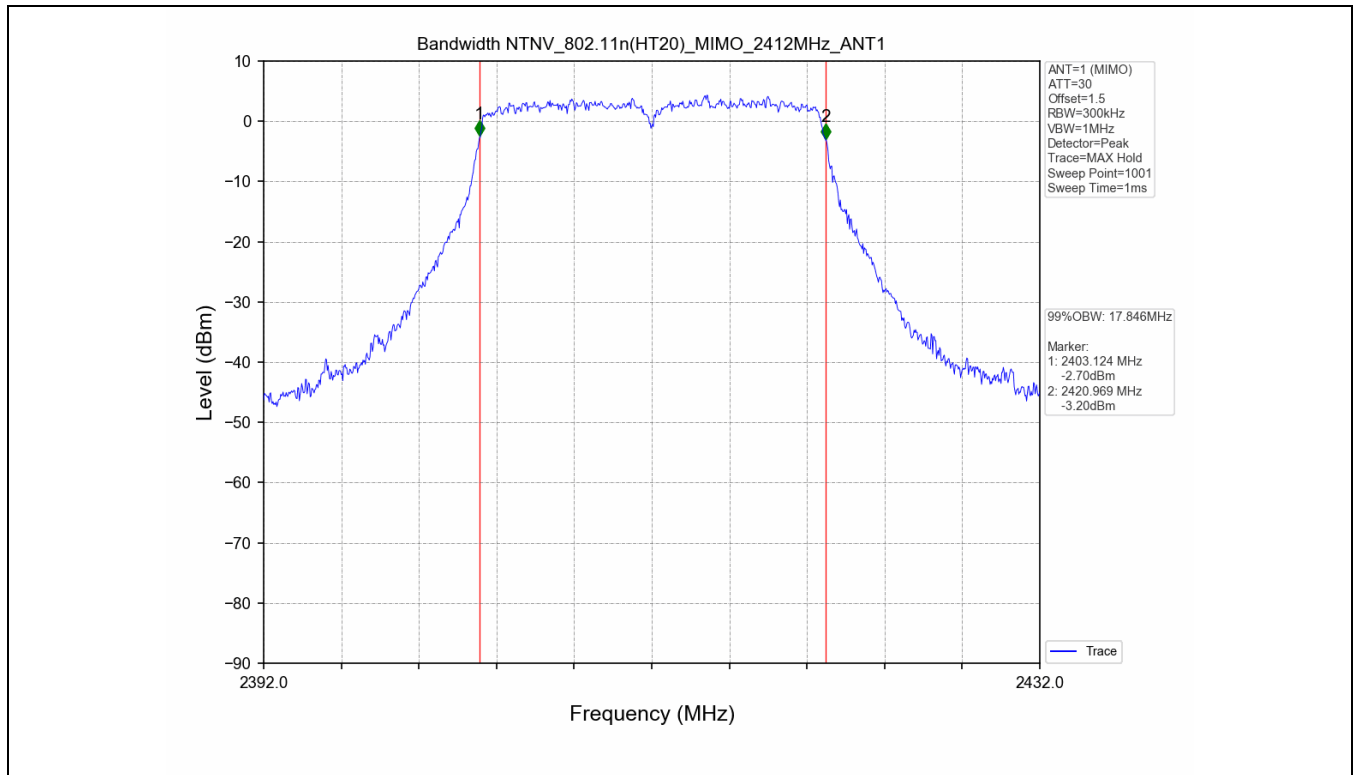


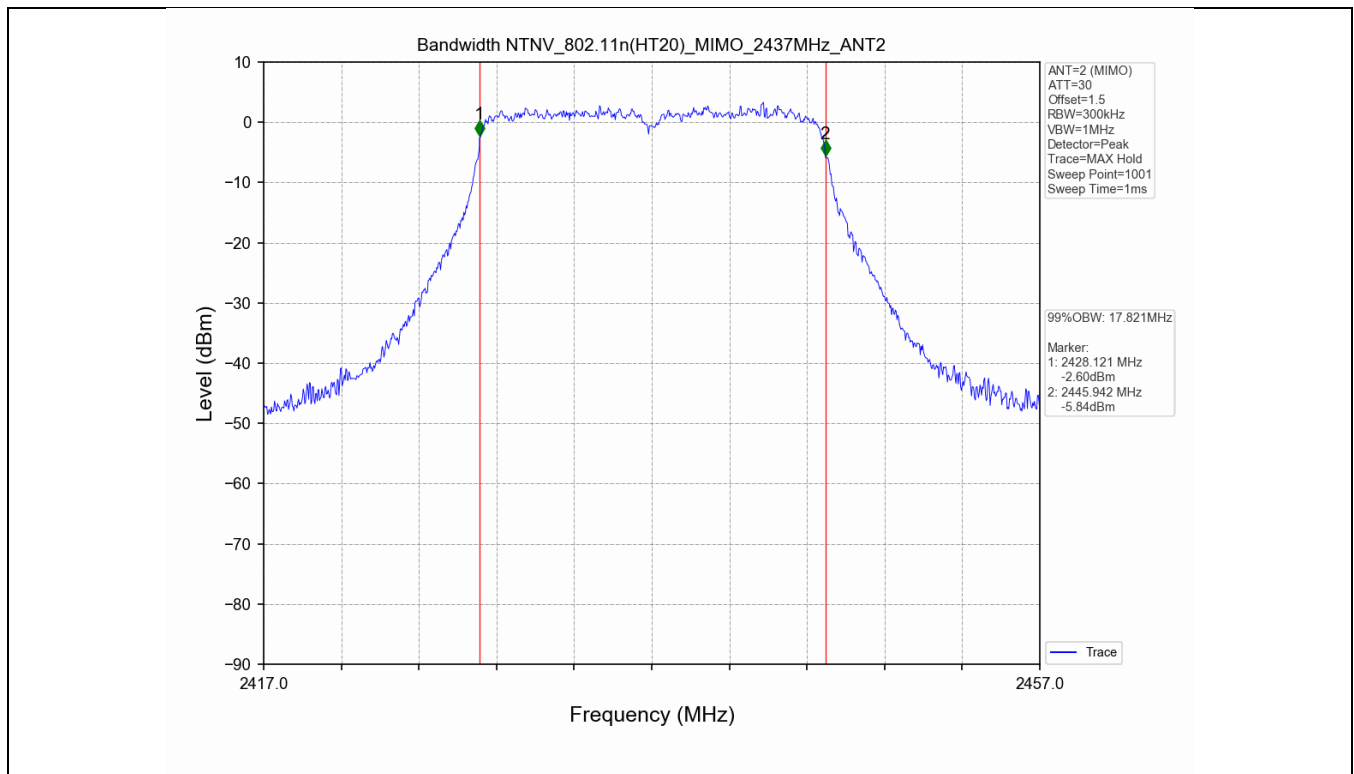
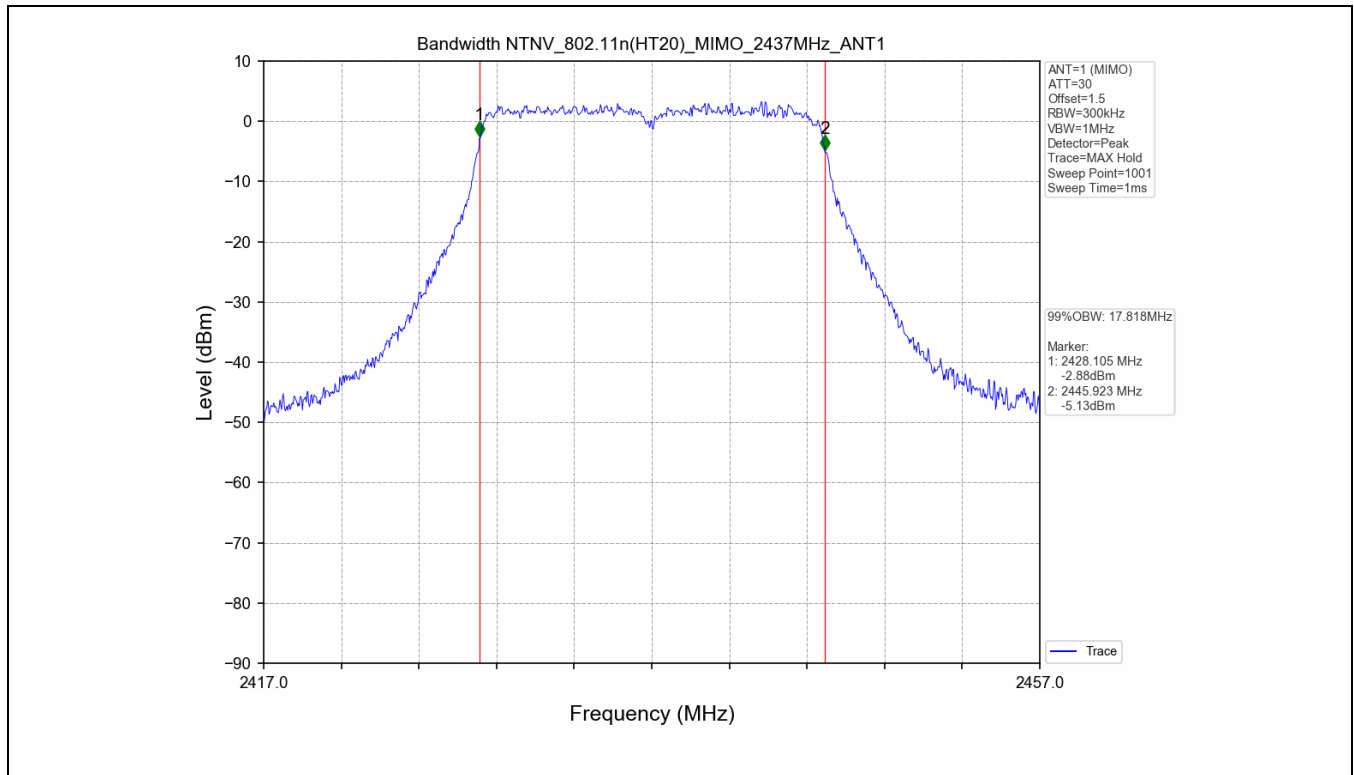


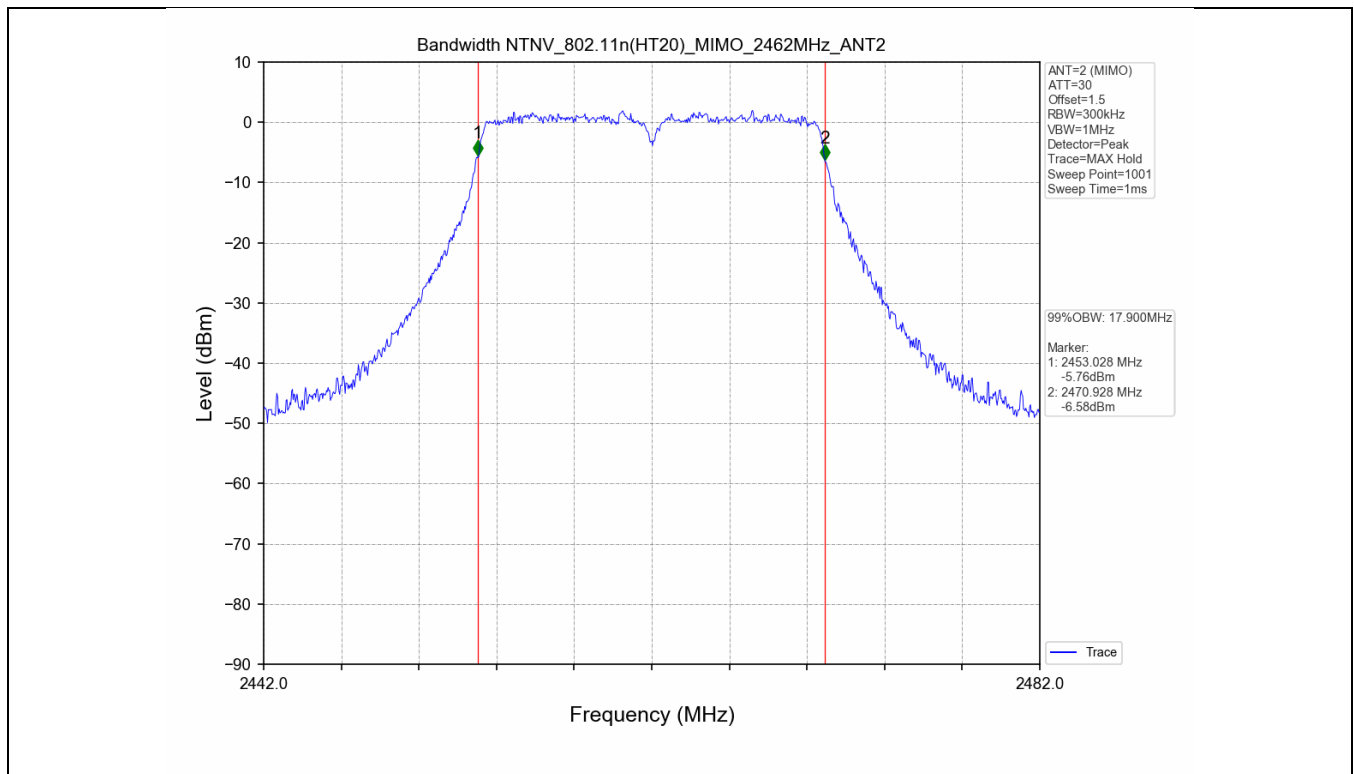
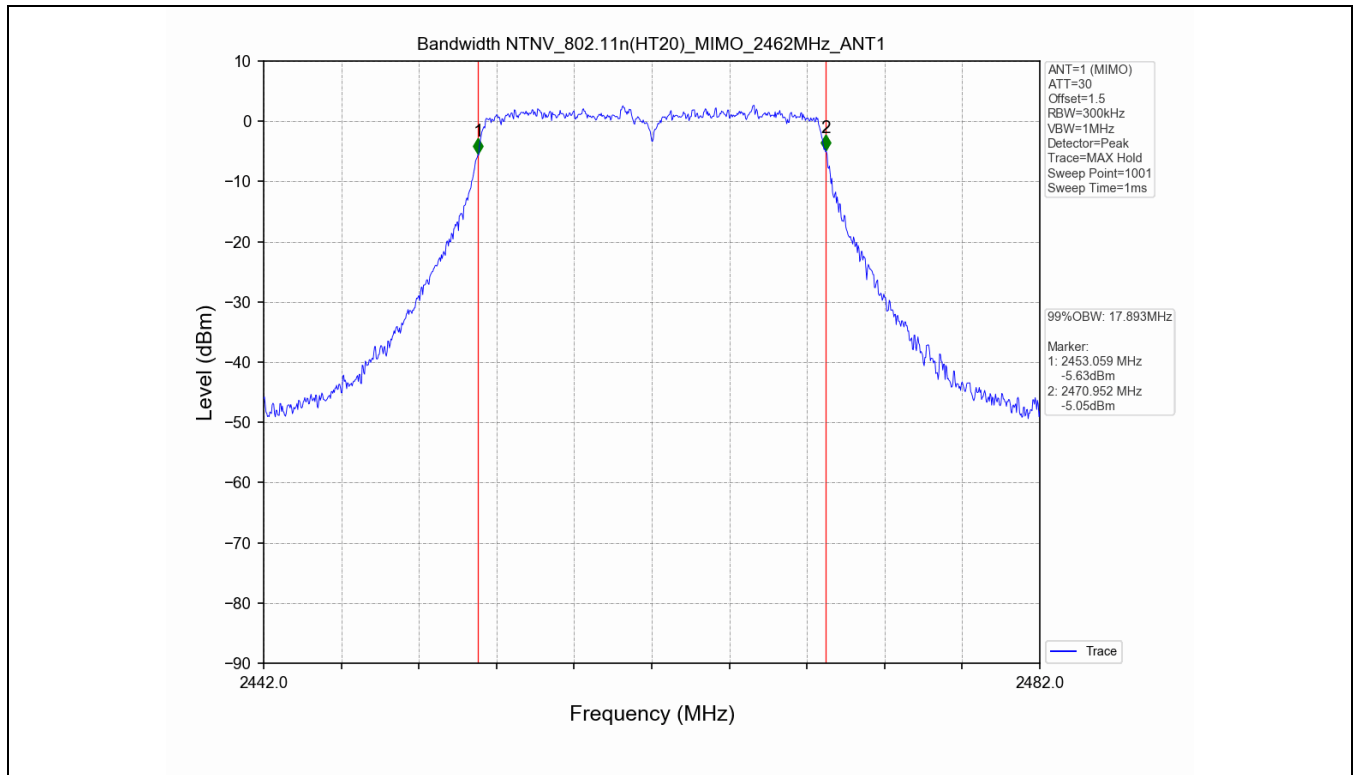


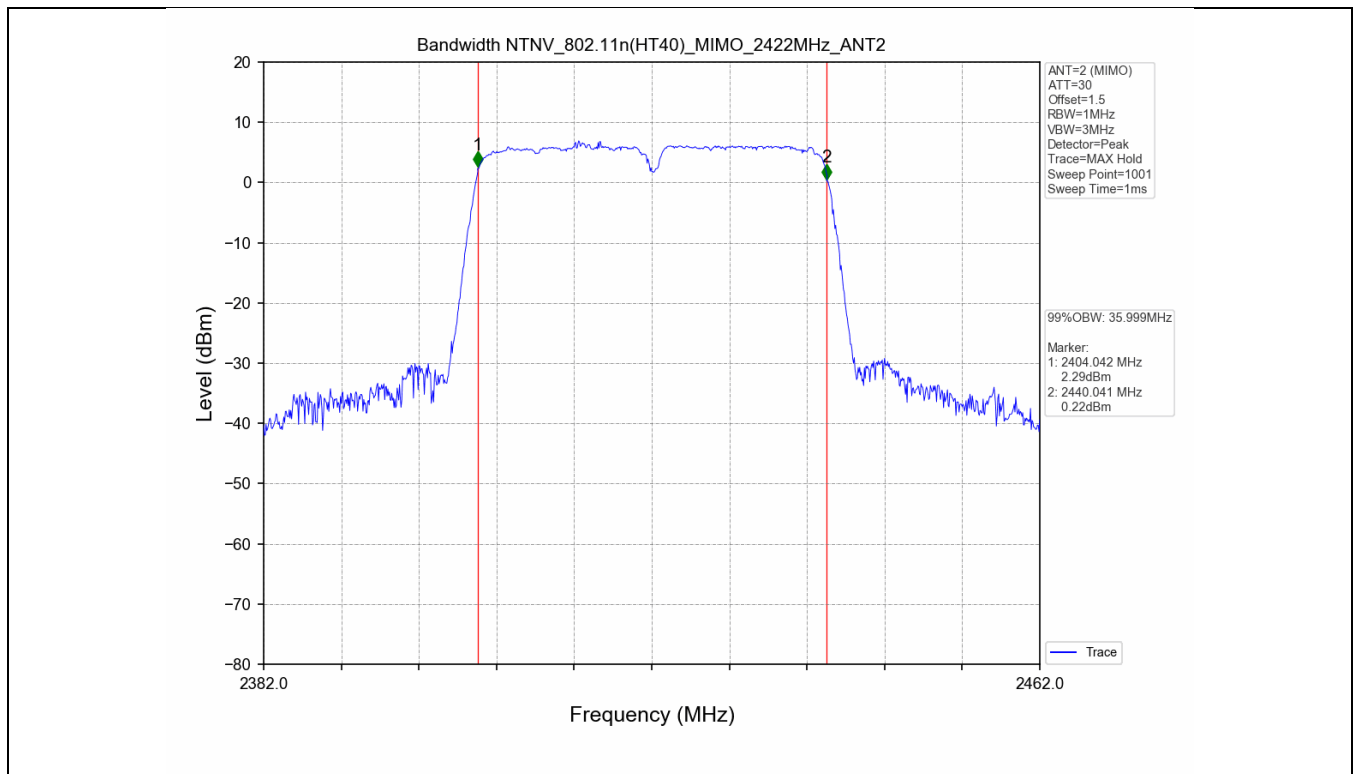
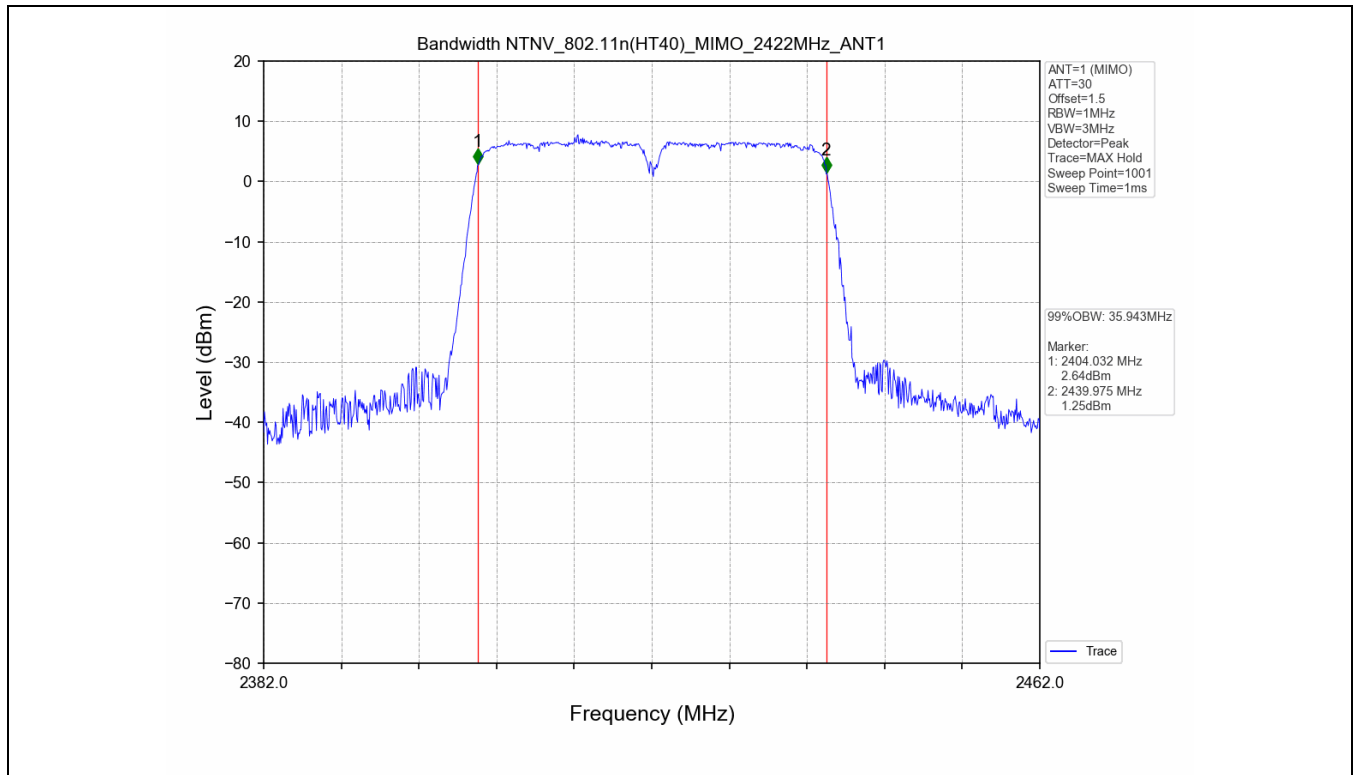


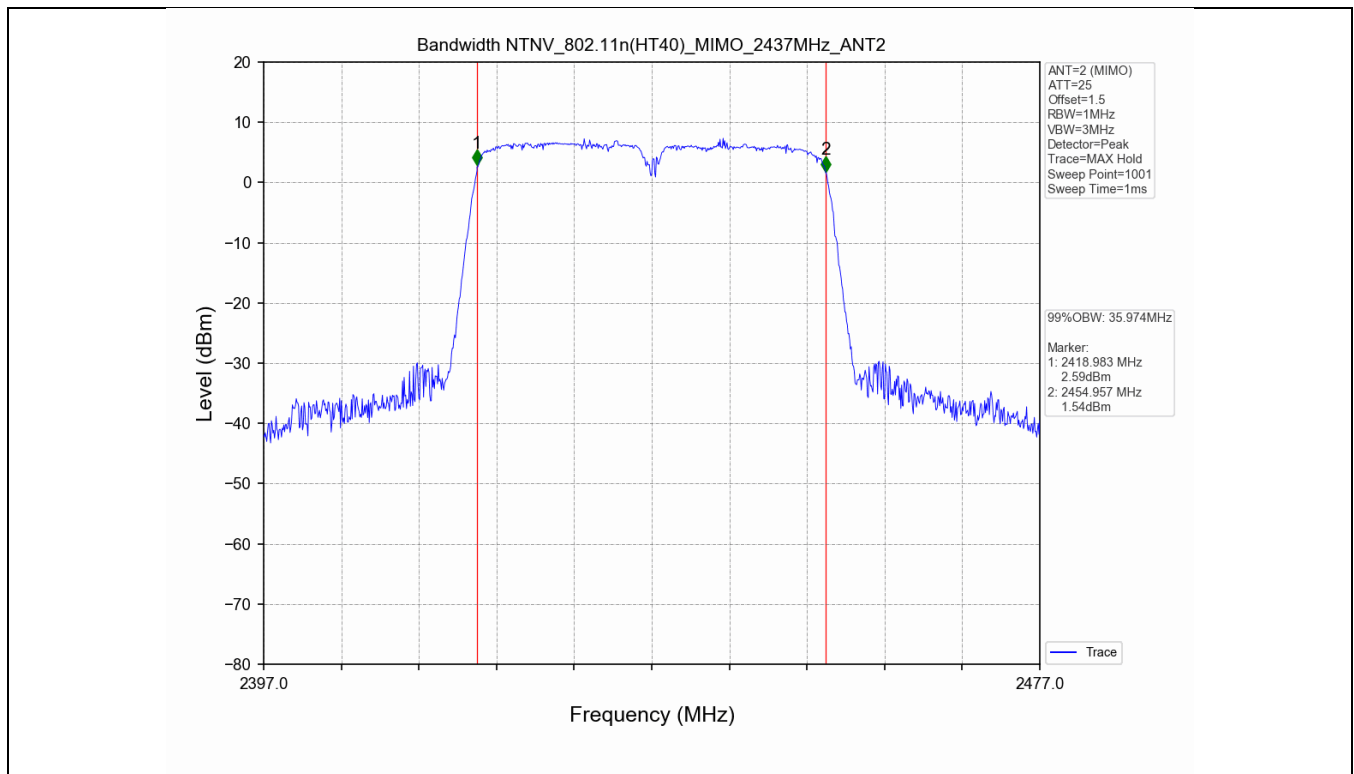
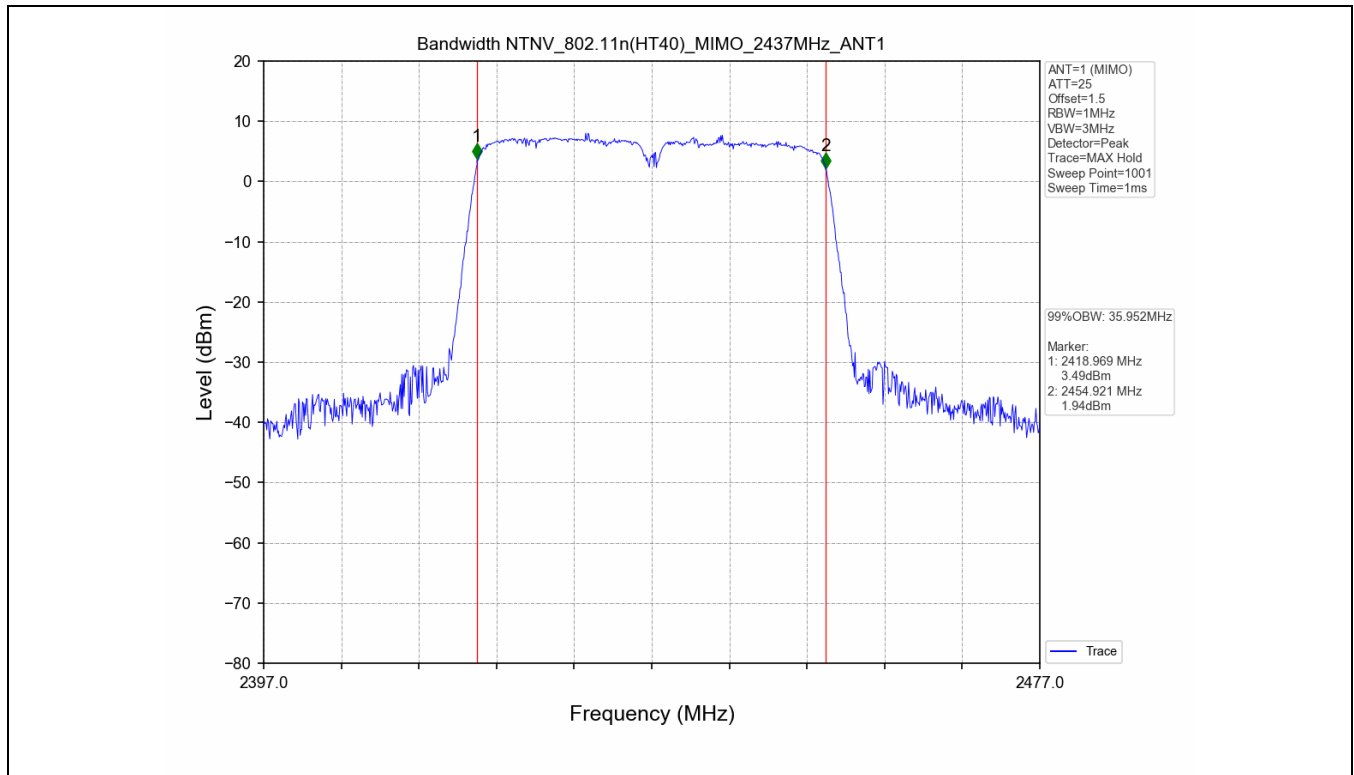


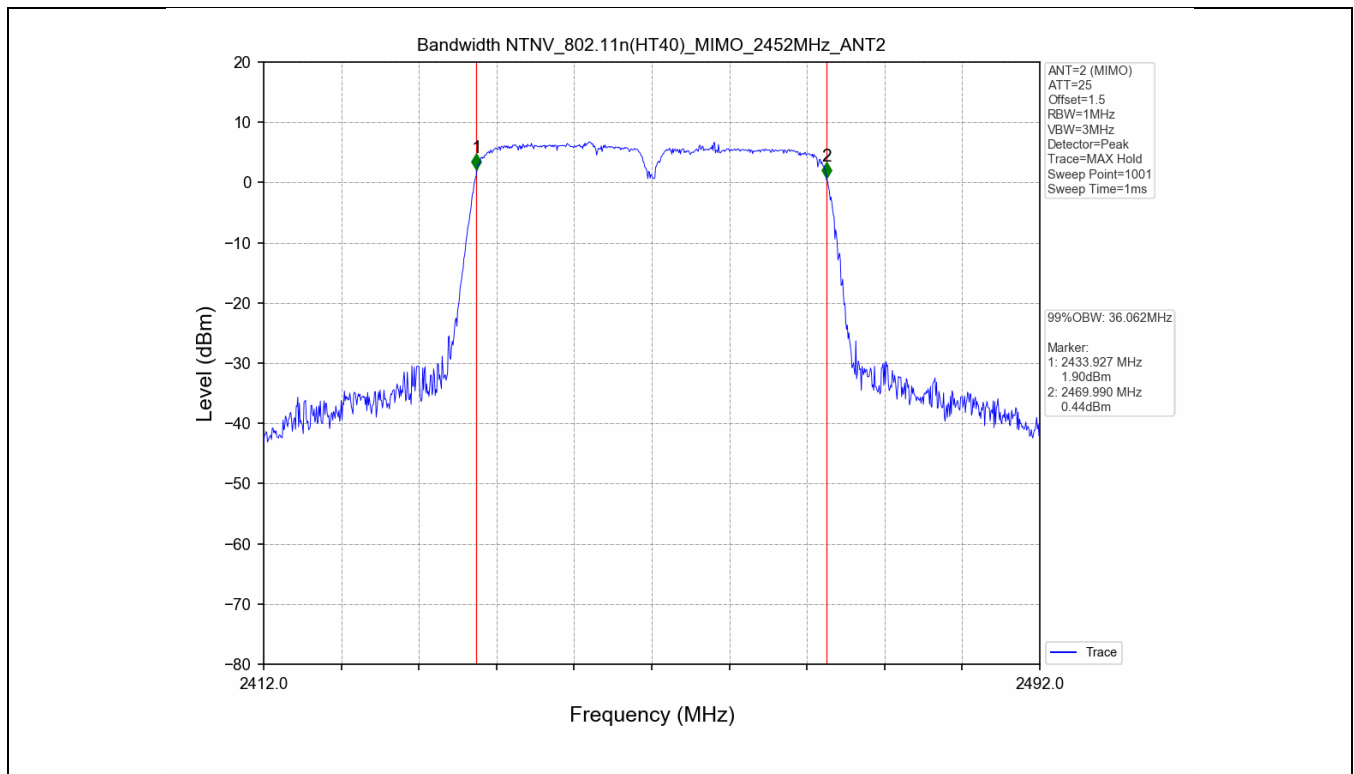
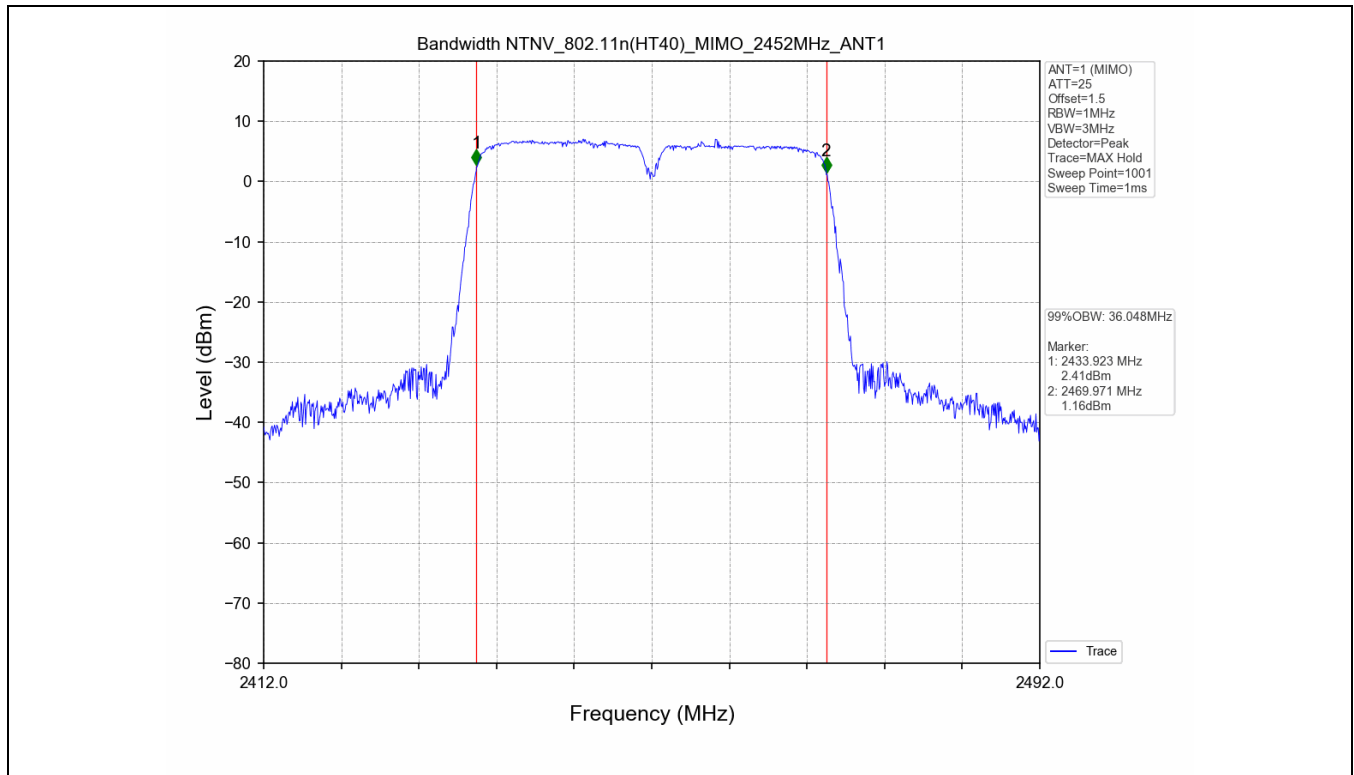












3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	17.96	17.99	/	30	PASS
	2437	SISO	17.73	18.34	/	30	PASS
	2462	SISO	16.78	17.43	/	30	PASS
802.11g	2412	SISO	21.13	20.26	/	30	PASS
	2437	SISO	21.06	20.55	/	30	PASS
	2462	SISO	20.33	19.72	/	30	PASS
802.11n(HT20)	2412	MIMO	20.06	19.19	22.66	30	PASS
	2437	MIMO	19.88	19.47	22.69	30	PASS
	2462	MIMO	19.19	18.78	22.00	30	PASS
802.11n(HT40)	2422	MIMO	21.01	20.37	23.71	30	PASS
	2437	MIMO	21.19	20.75	23.99	30	PASS
	2452	MIMO	21.00	20.41	23.73	30	PASS

3.2 Test Graph

