



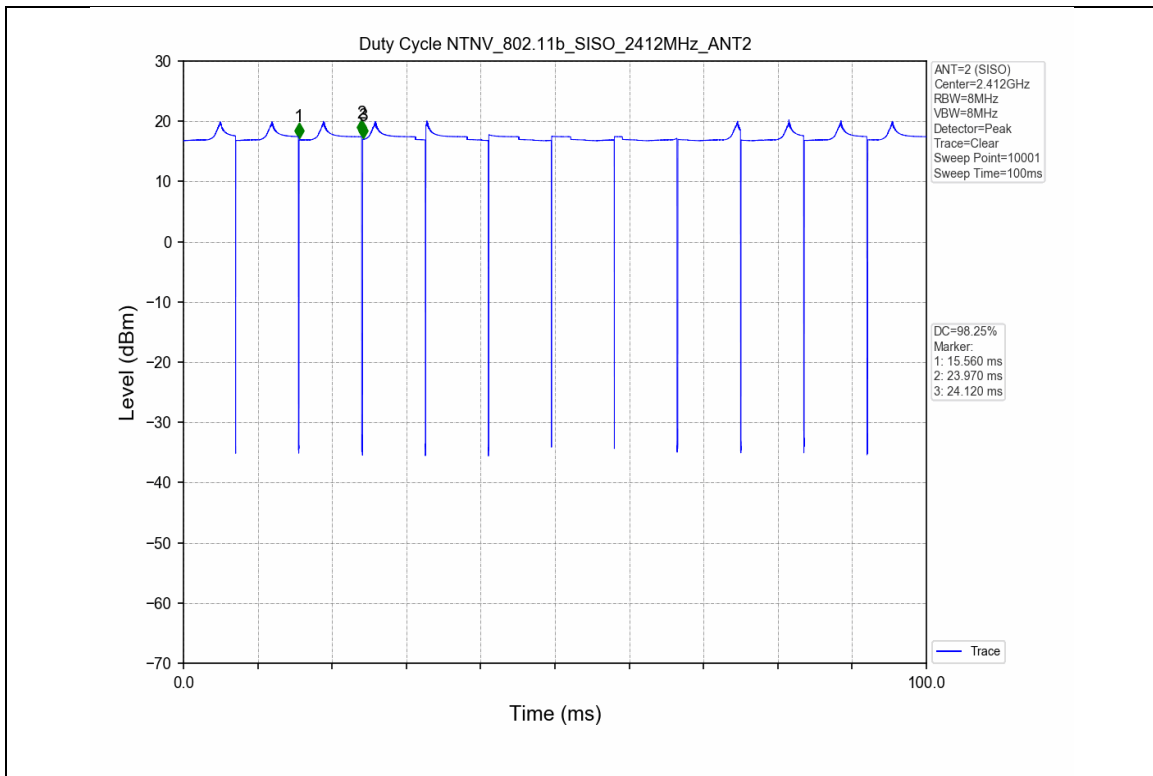
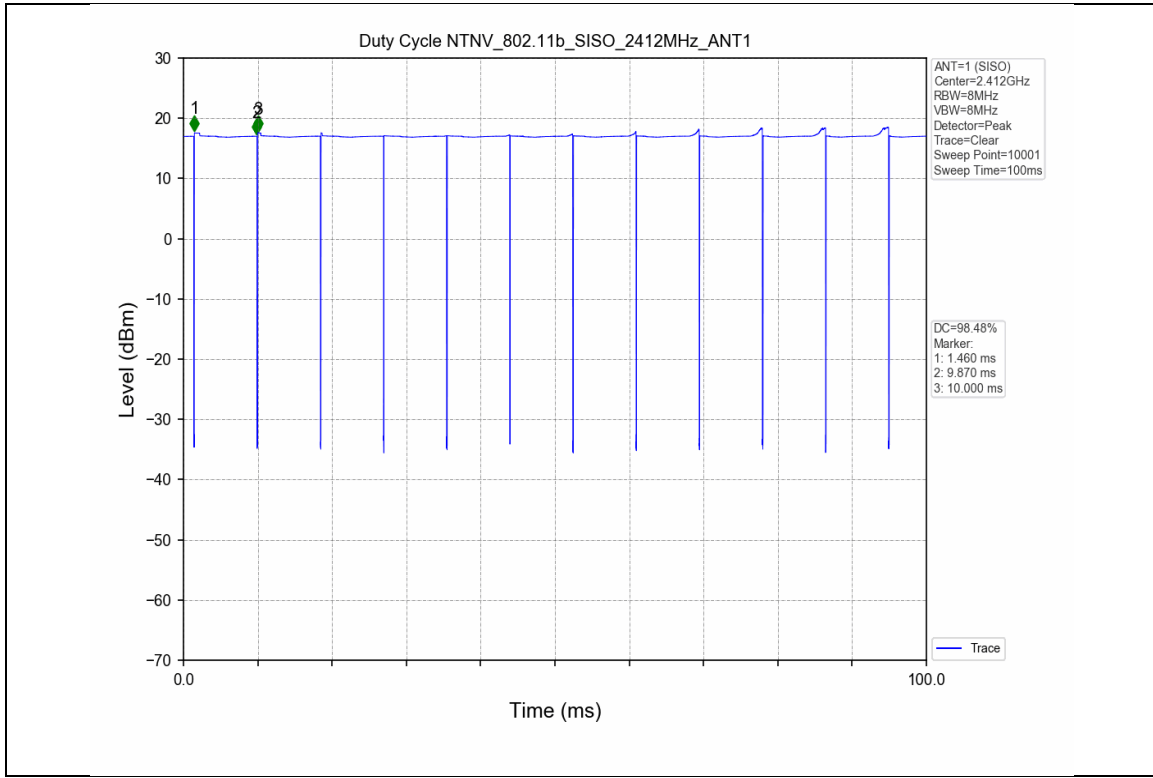
Appendix A for SHEM210200119601

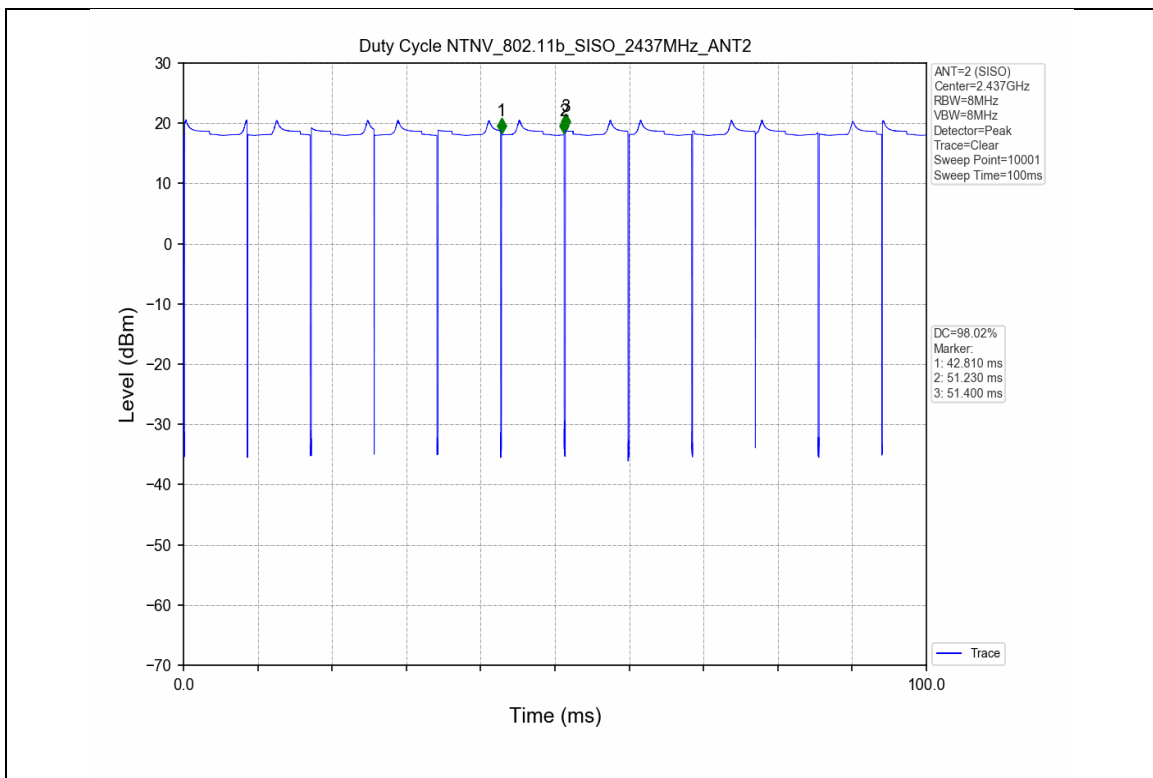
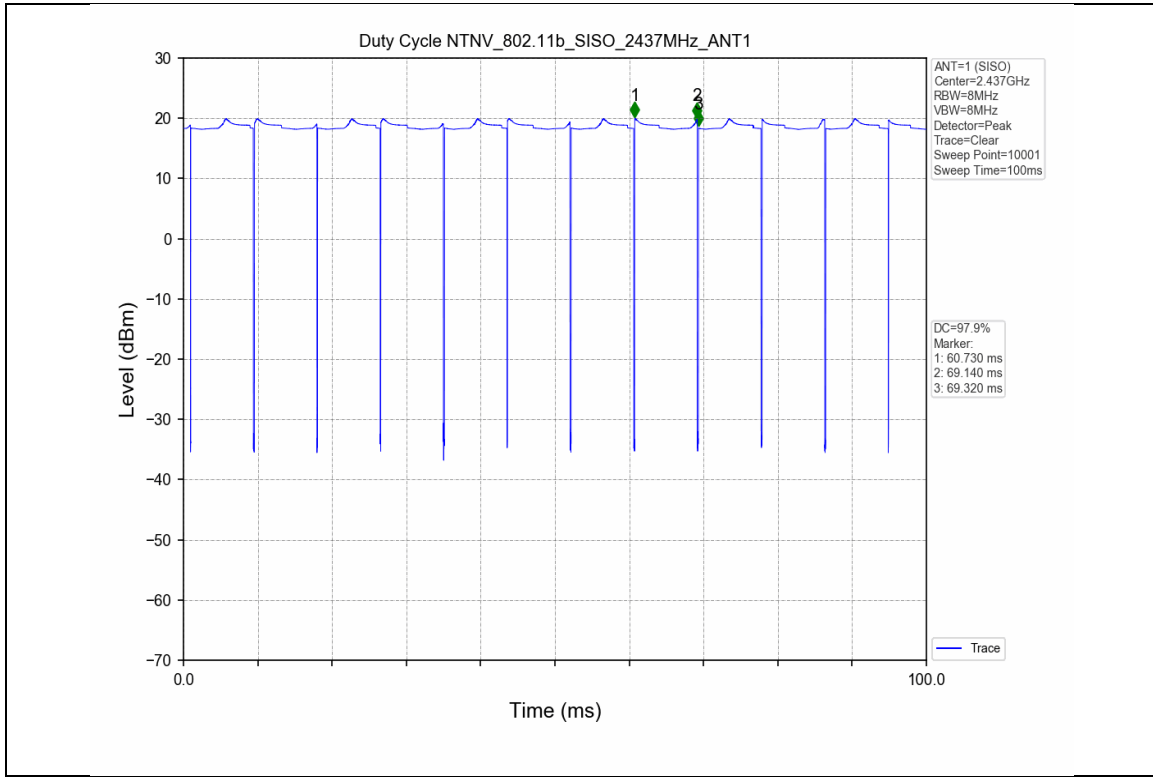
1. Duty Cycle

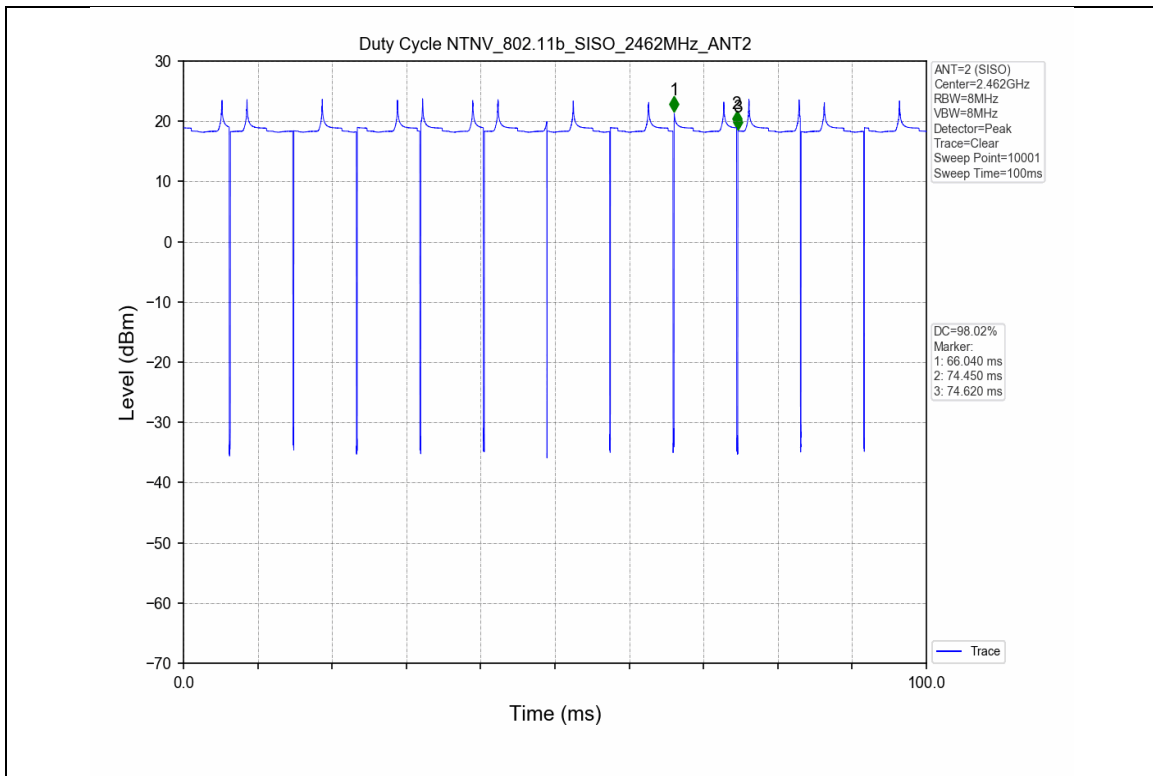
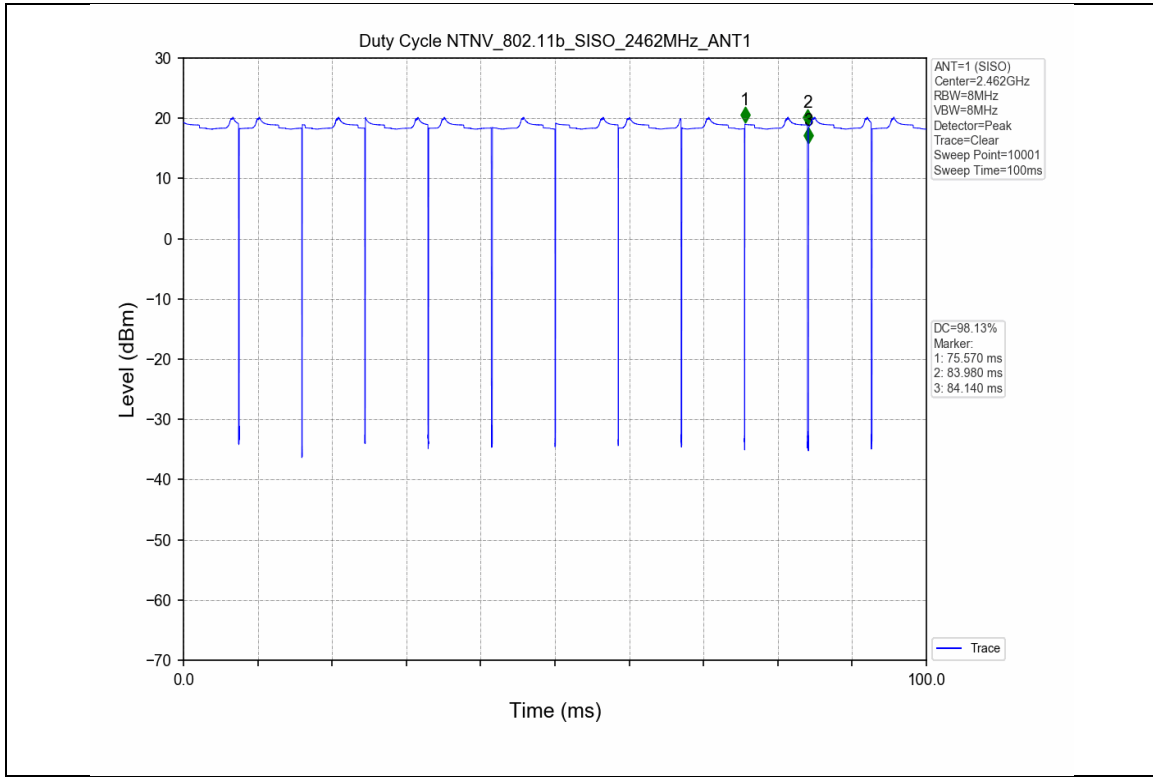
1.1 Test Result

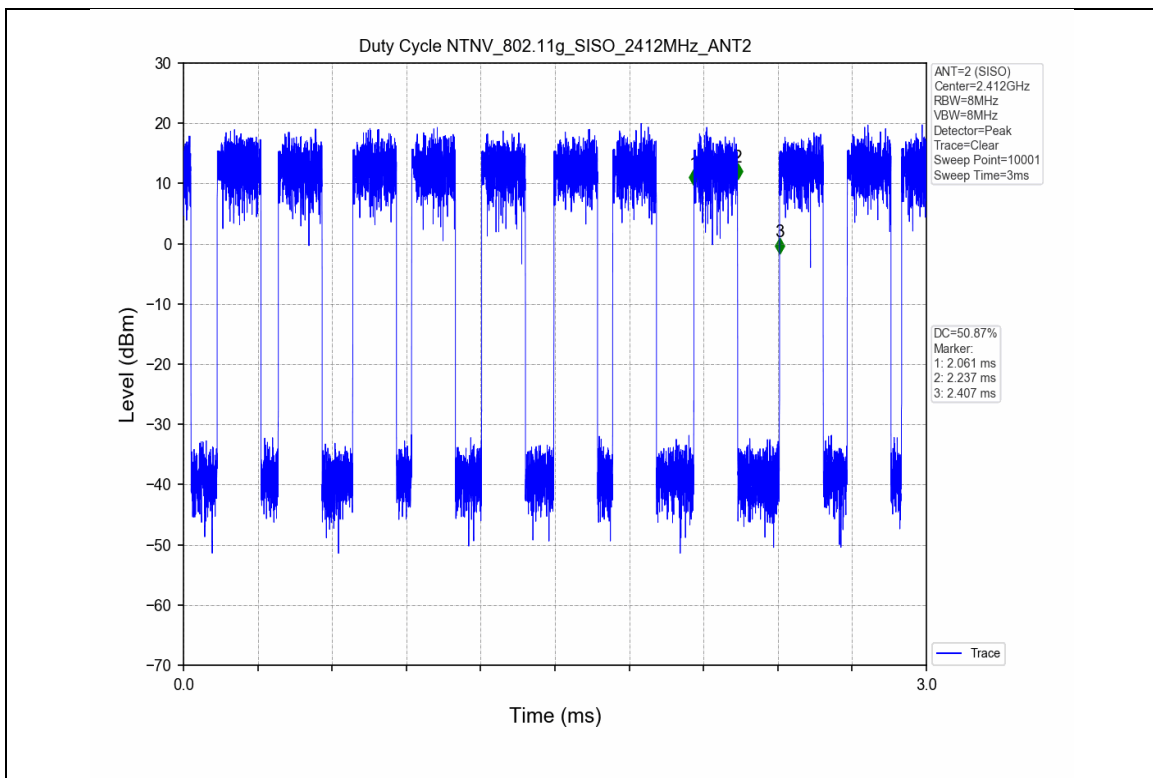
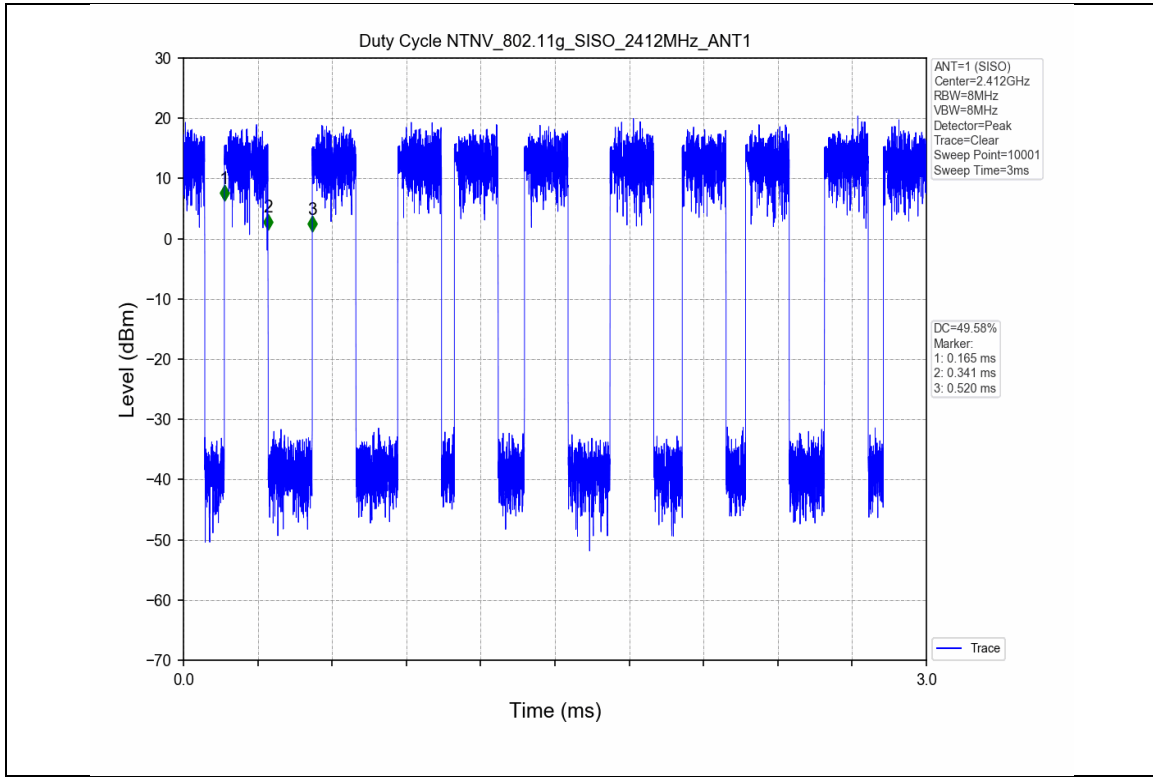
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.410	8.540	98.48	0.07
			2	8.410	8.560	98.25	0.08
	2437	SISO	1	8.410	8.590	97.90	0.09
			2	8.420	8.590	98.02	0.09
	2462	SISO	1	8.410	8.570	98.13	0.08
			2	8.410	8.580	98.02	0.09
802.11g	2412	SISO	1	0.176	0.355	49.58	3.05
			2	0.176	0.346	50.87	2.94
	2437	SISO	1	0.176	0.327	53.82	2.69
			2	0.176	0.345	51.01	2.92
	2462	SISO	1	0.175	0.345	50.72	2.95
			2	0.176	0.336	52.38	2.81
802.11n(HT20)	2412	MIMO	1	0.164	0.334	49.10	3.09
			2	0.164	0.298	55.03	2.59
	2437	MIMO	1	0.164	0.325	50.46	2.97
			2	0.164	0.342	47.95	3.19
	2462	MIMO	1	0.164	0.333	49.25	3.08
			2	0.164	0.333	49.25	3.08

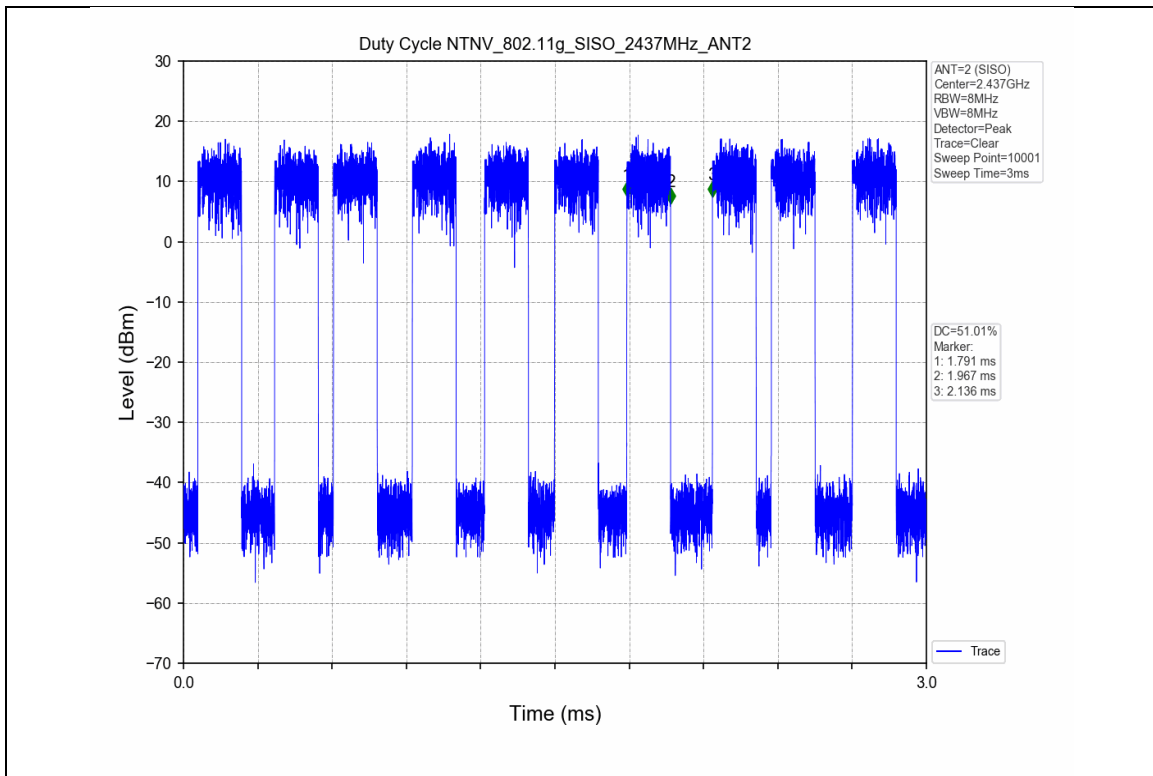
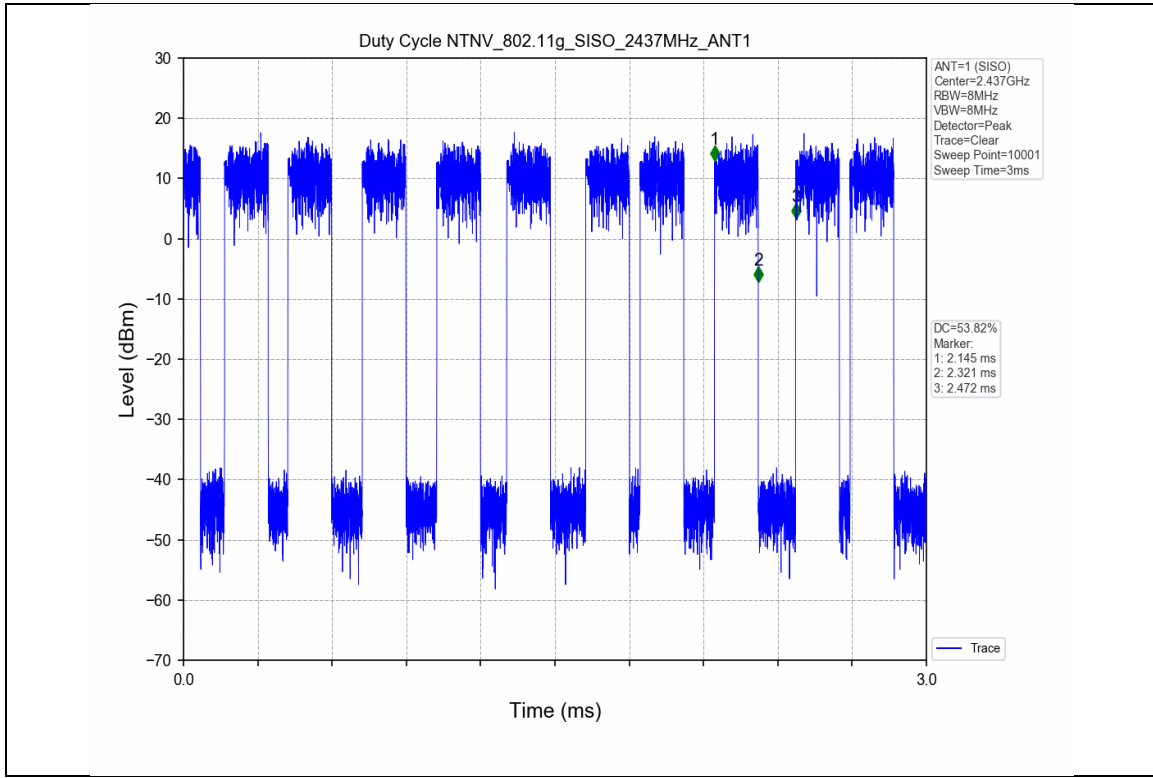
1.2 Test Graph

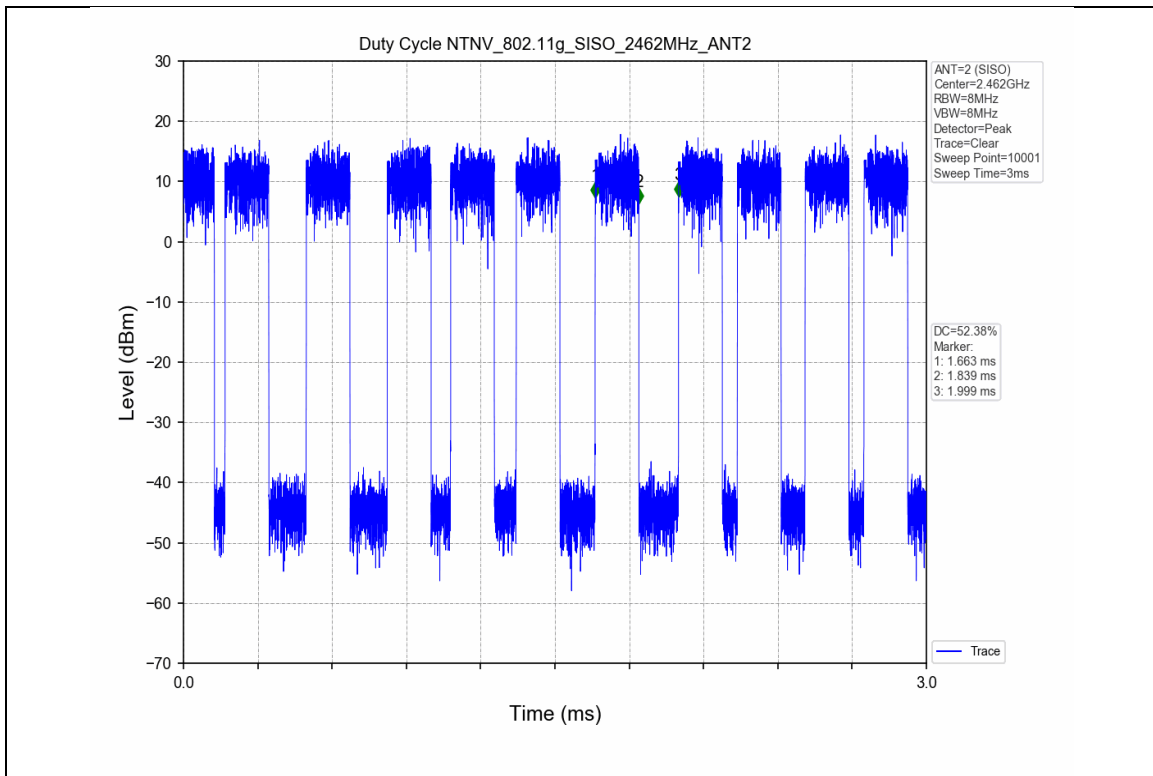
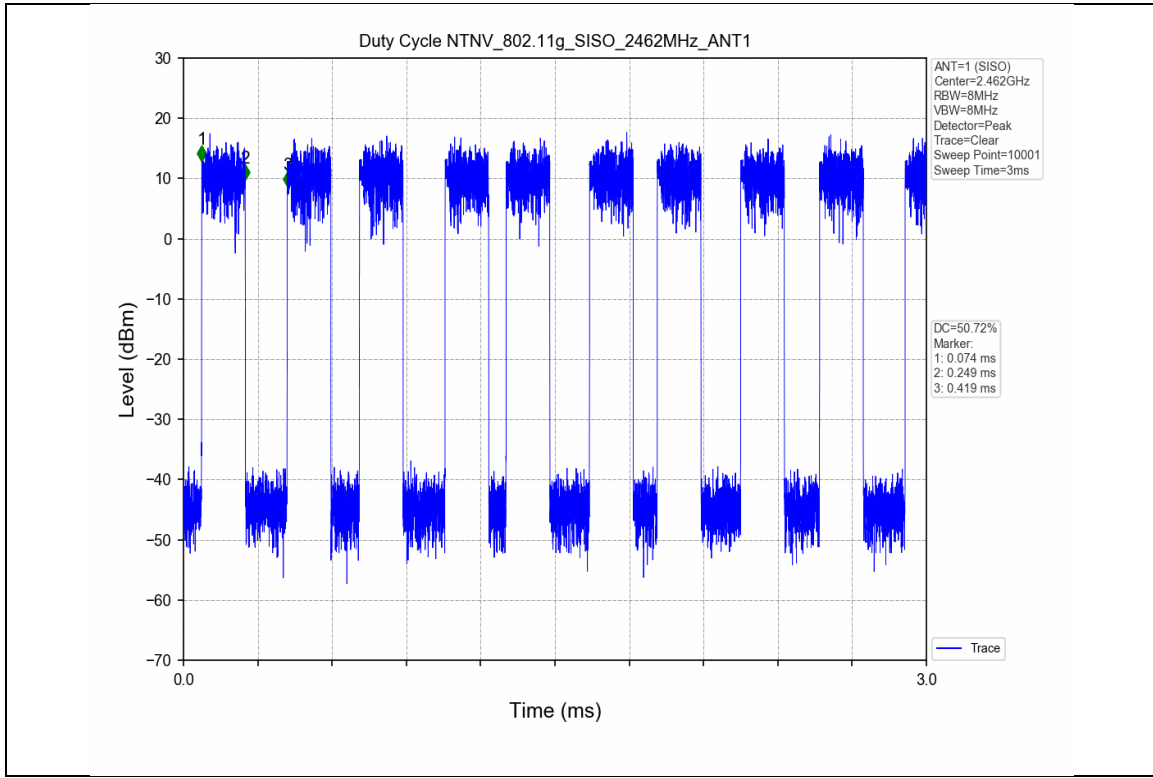


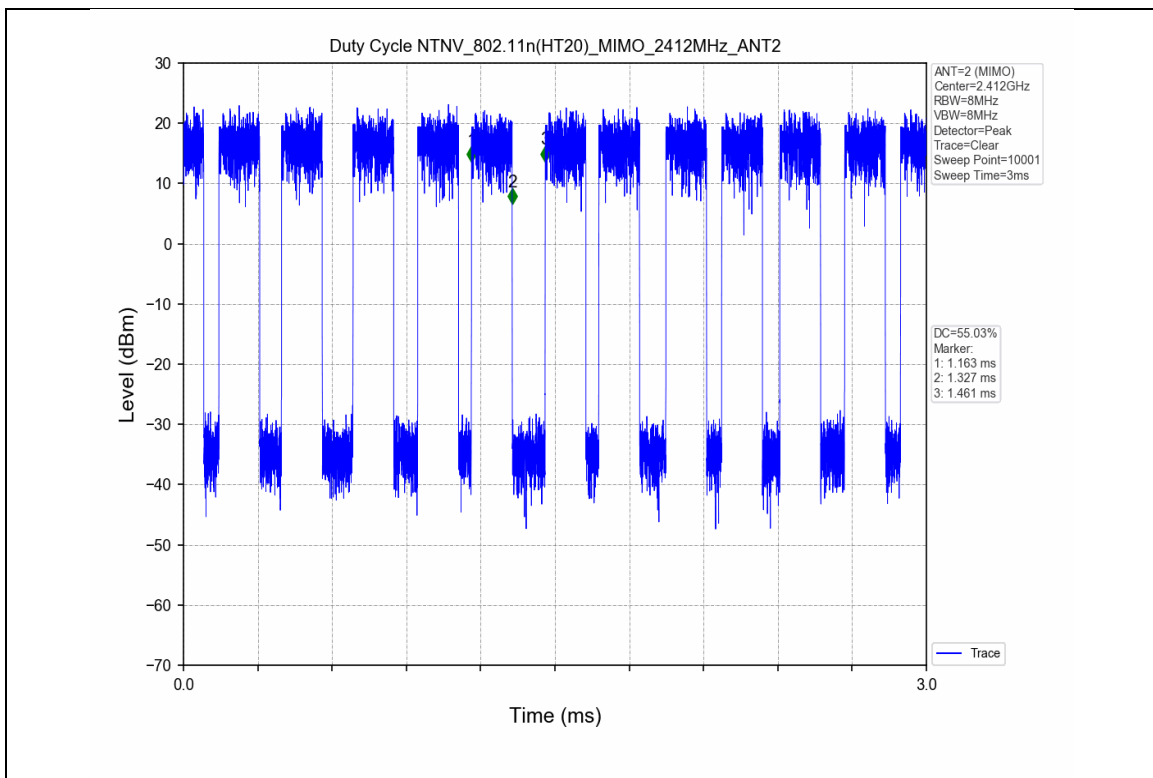
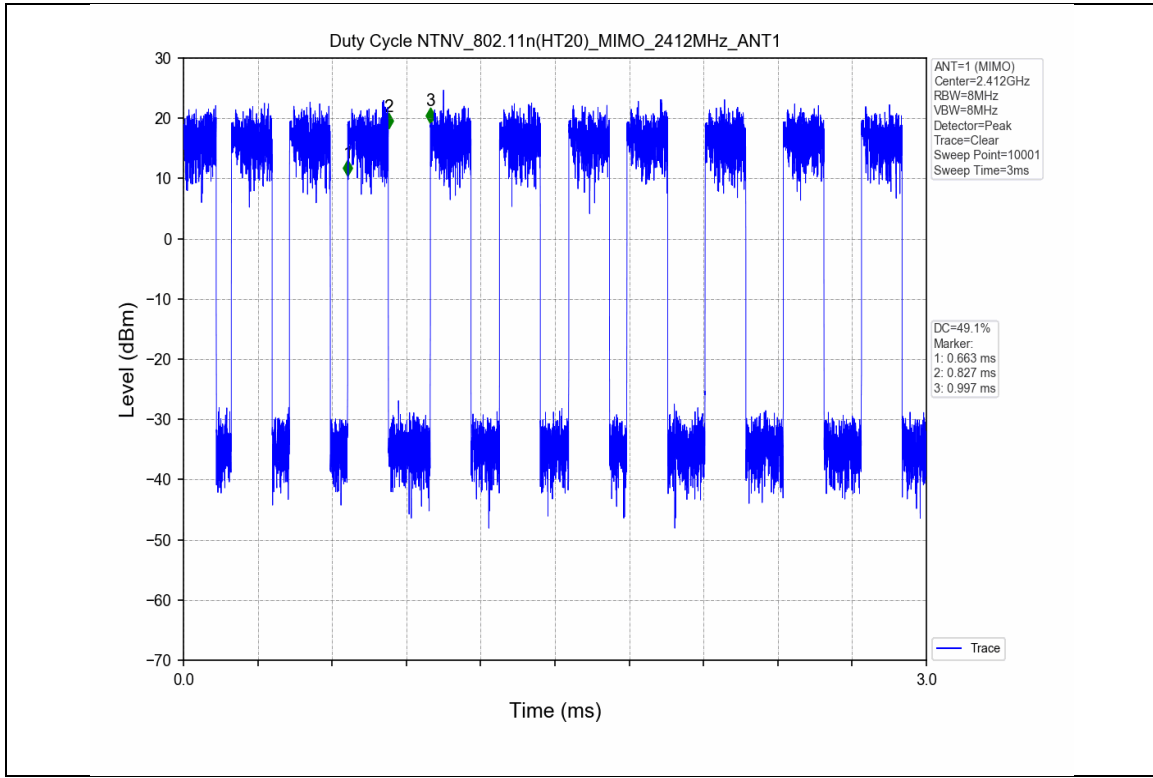


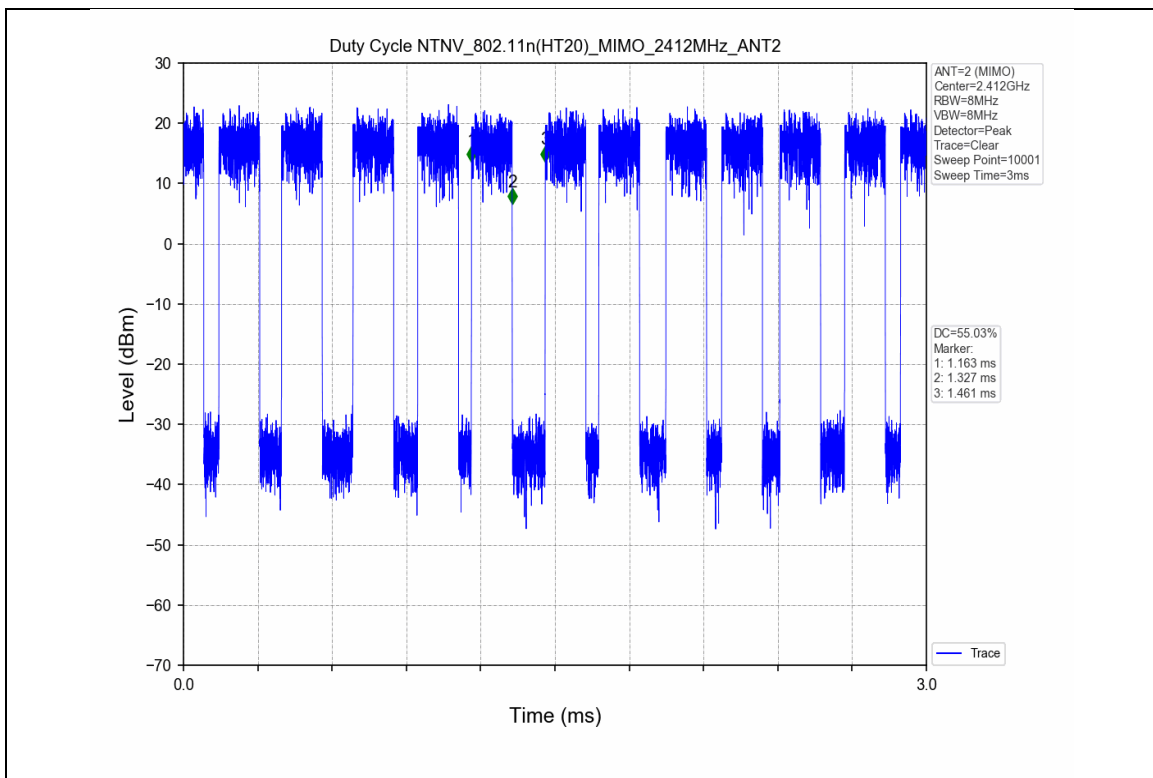
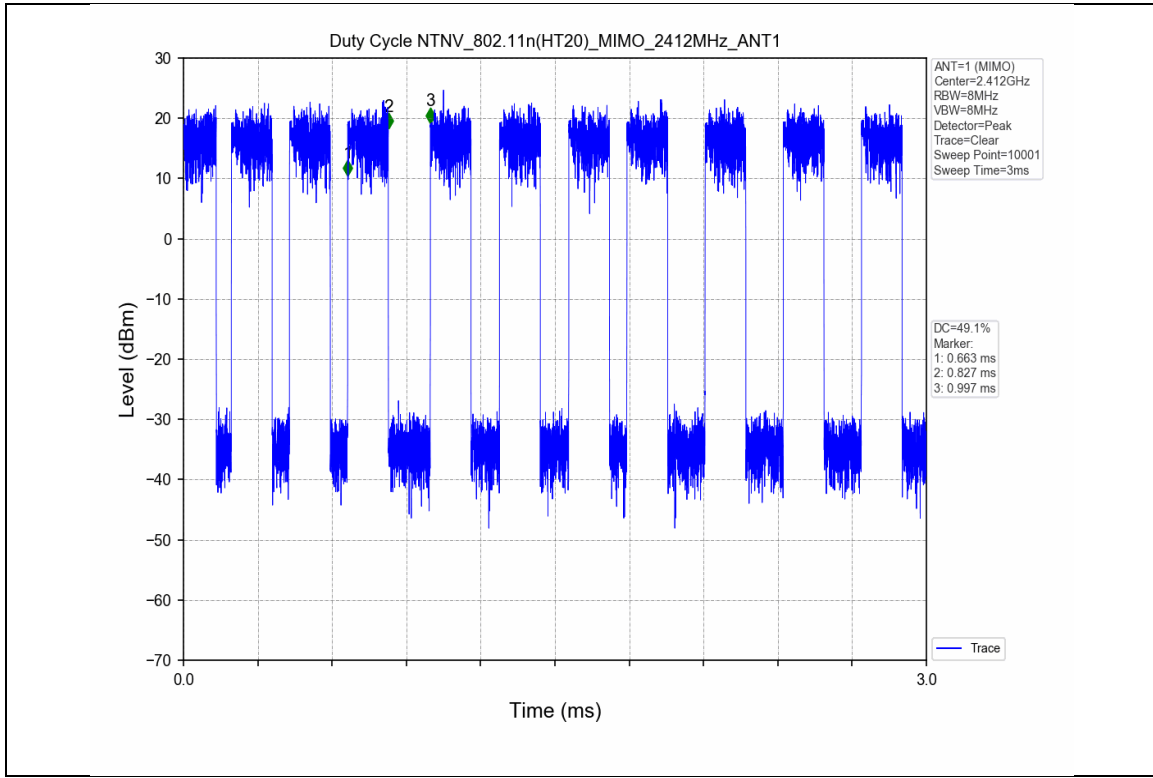


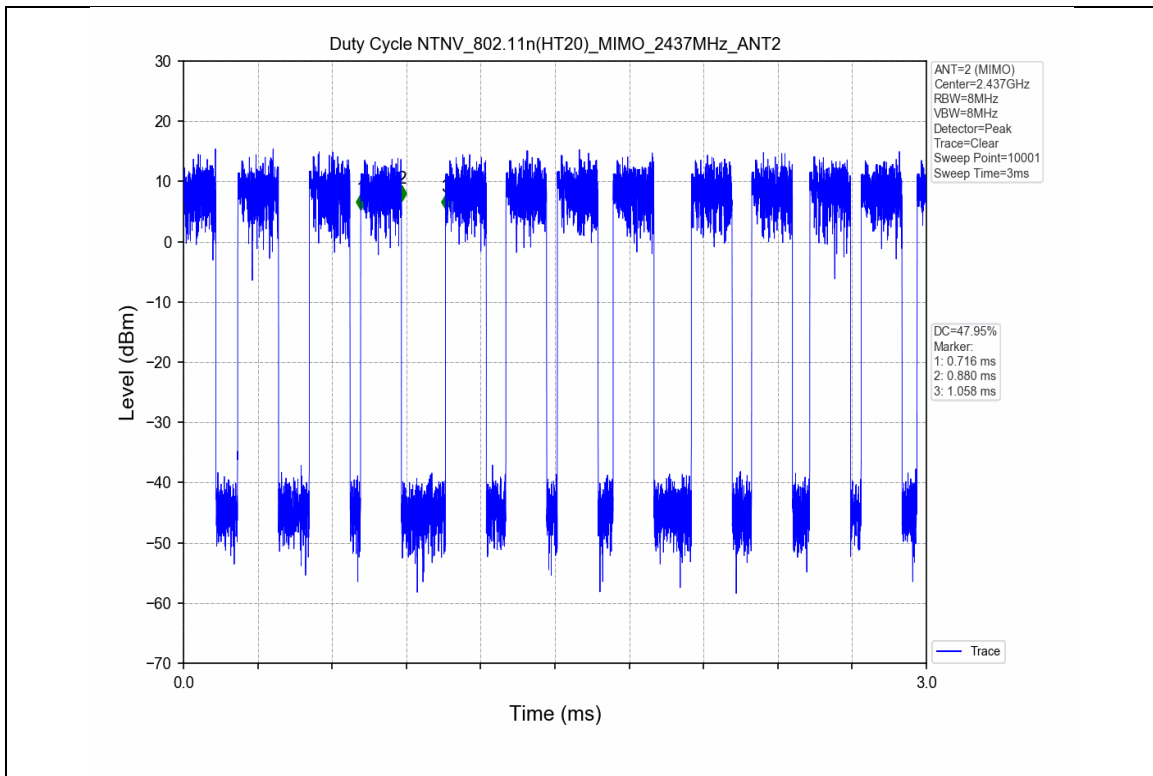
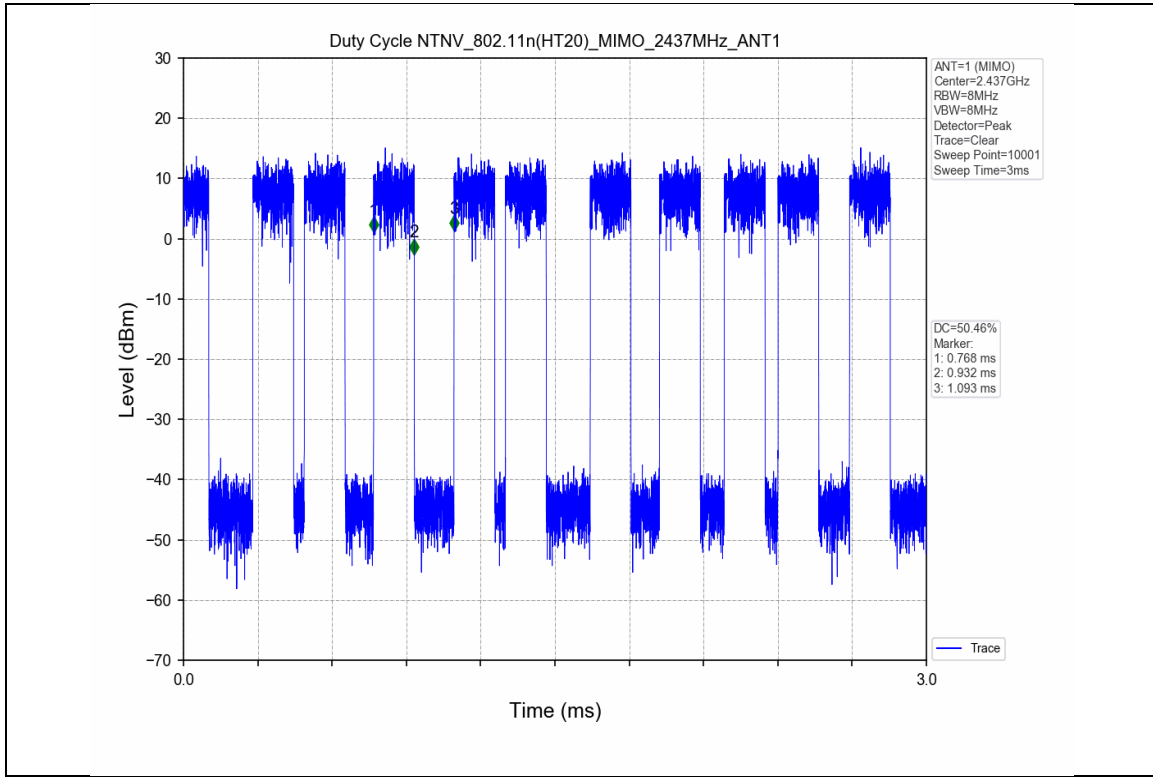


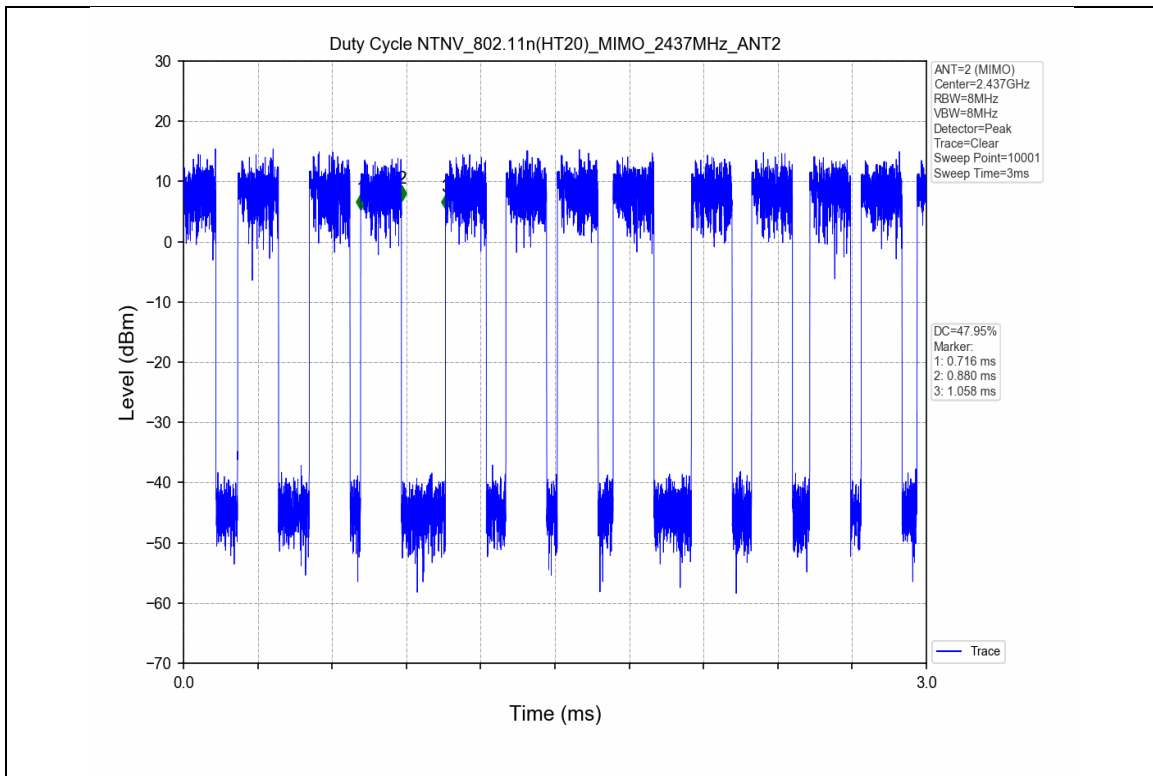
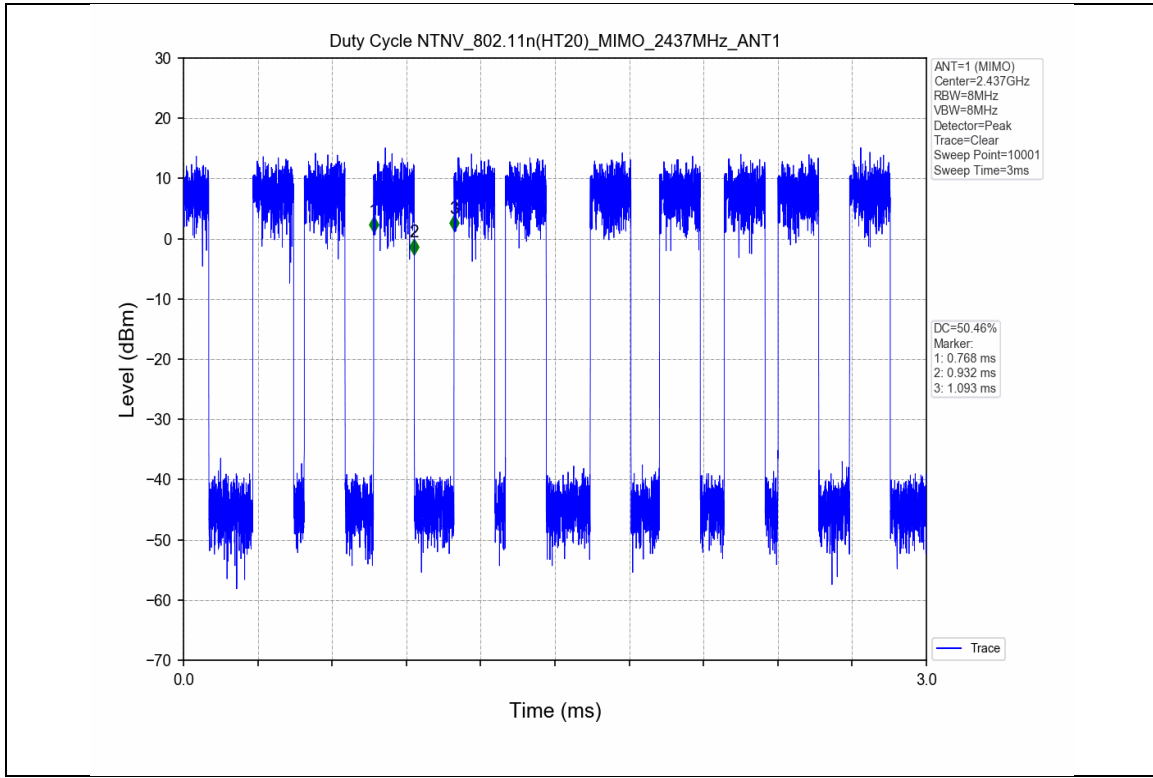


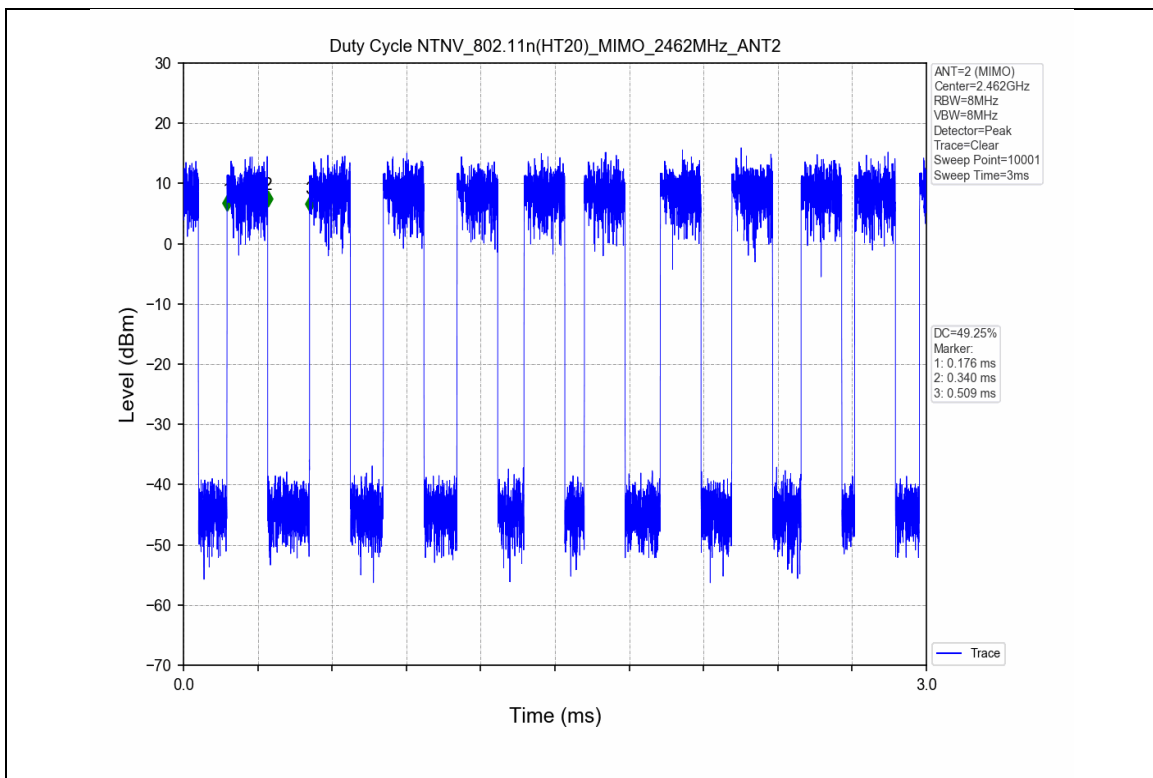
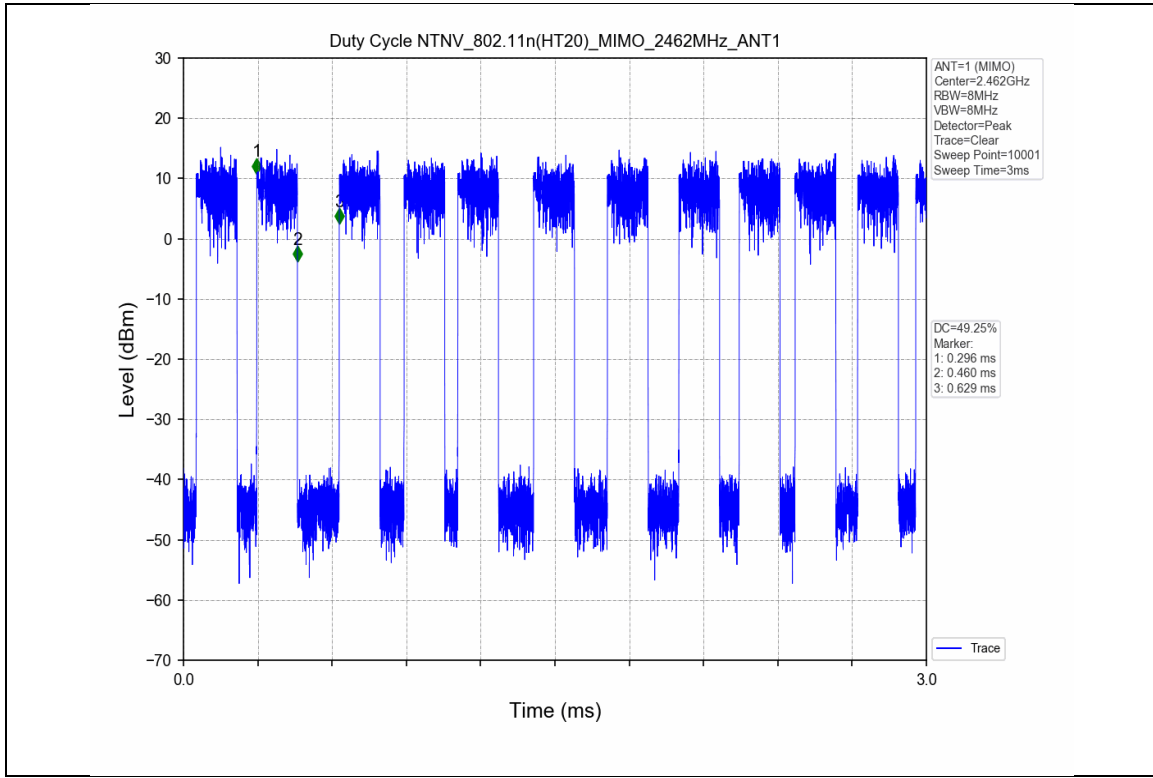


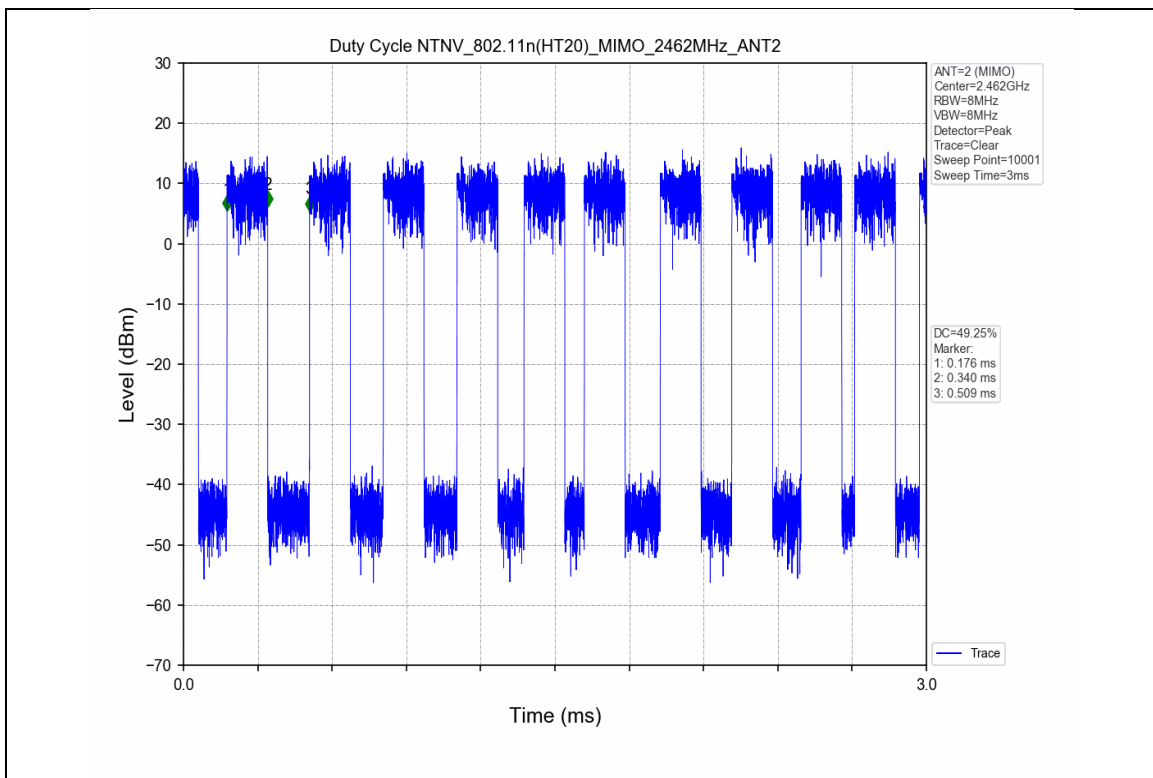
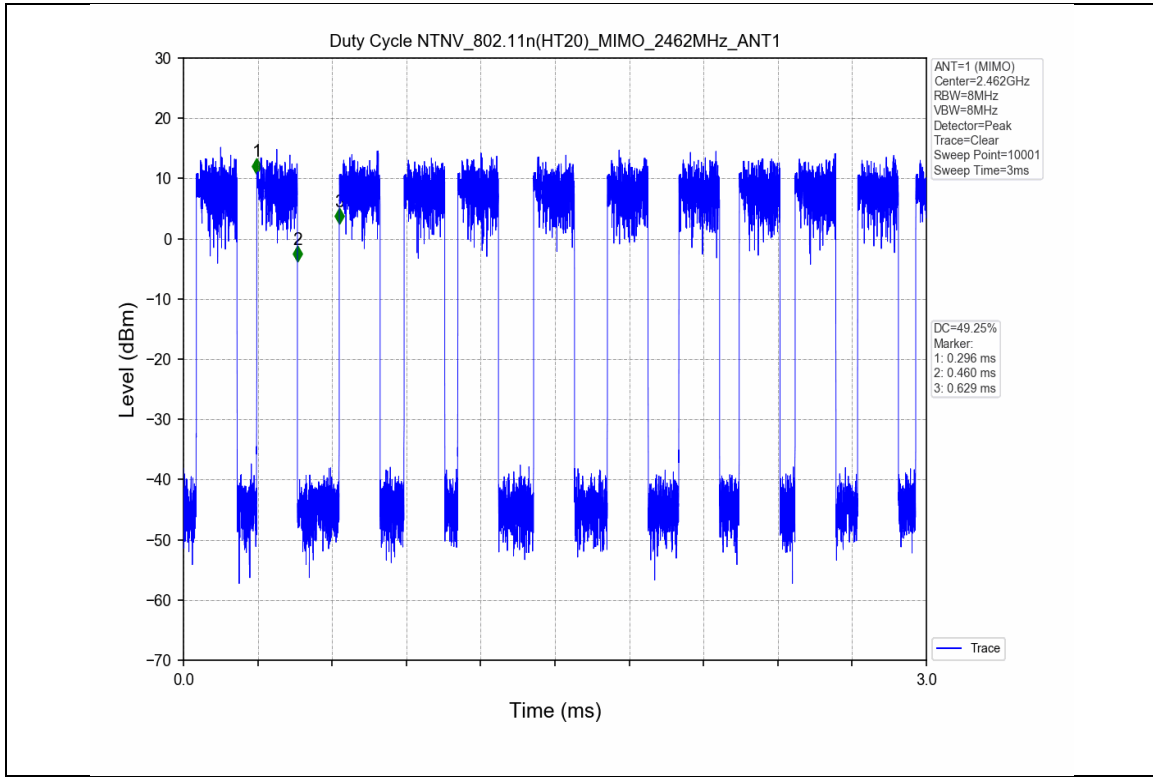














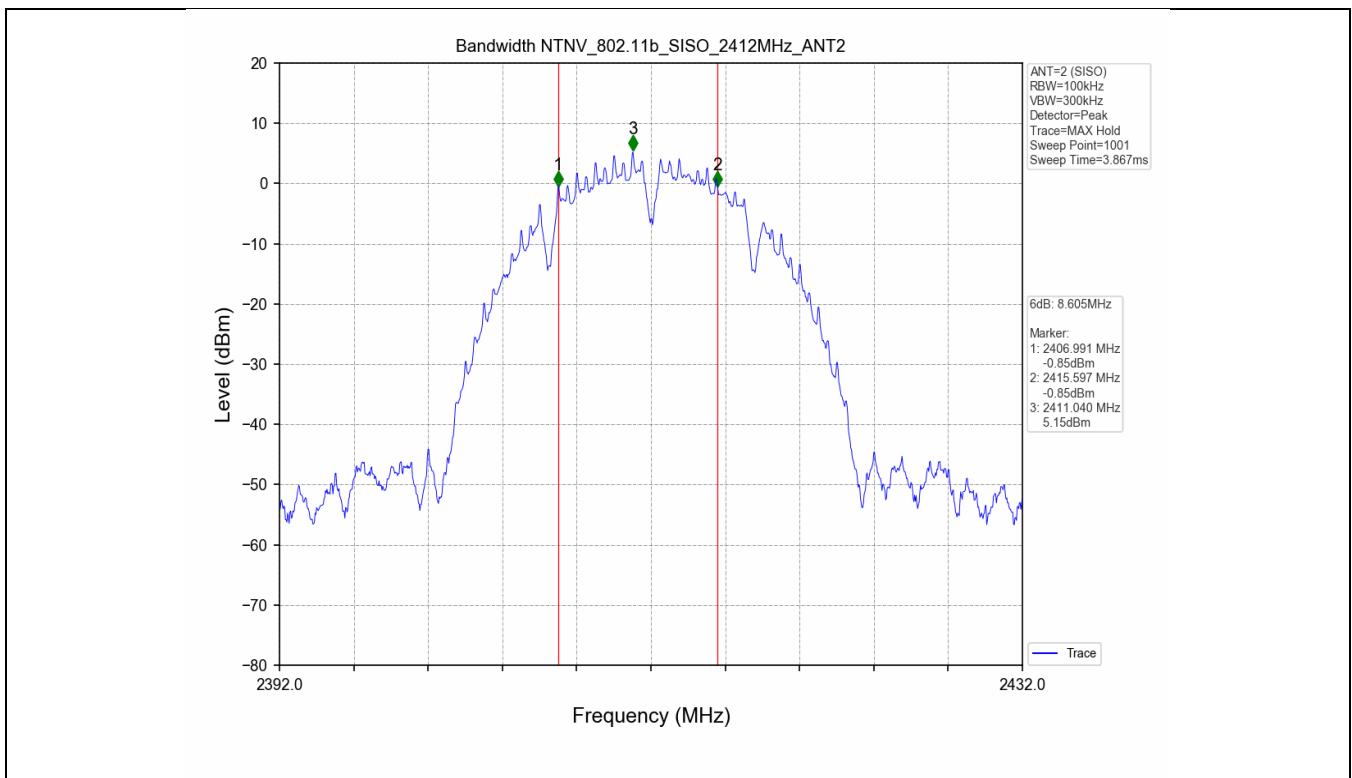
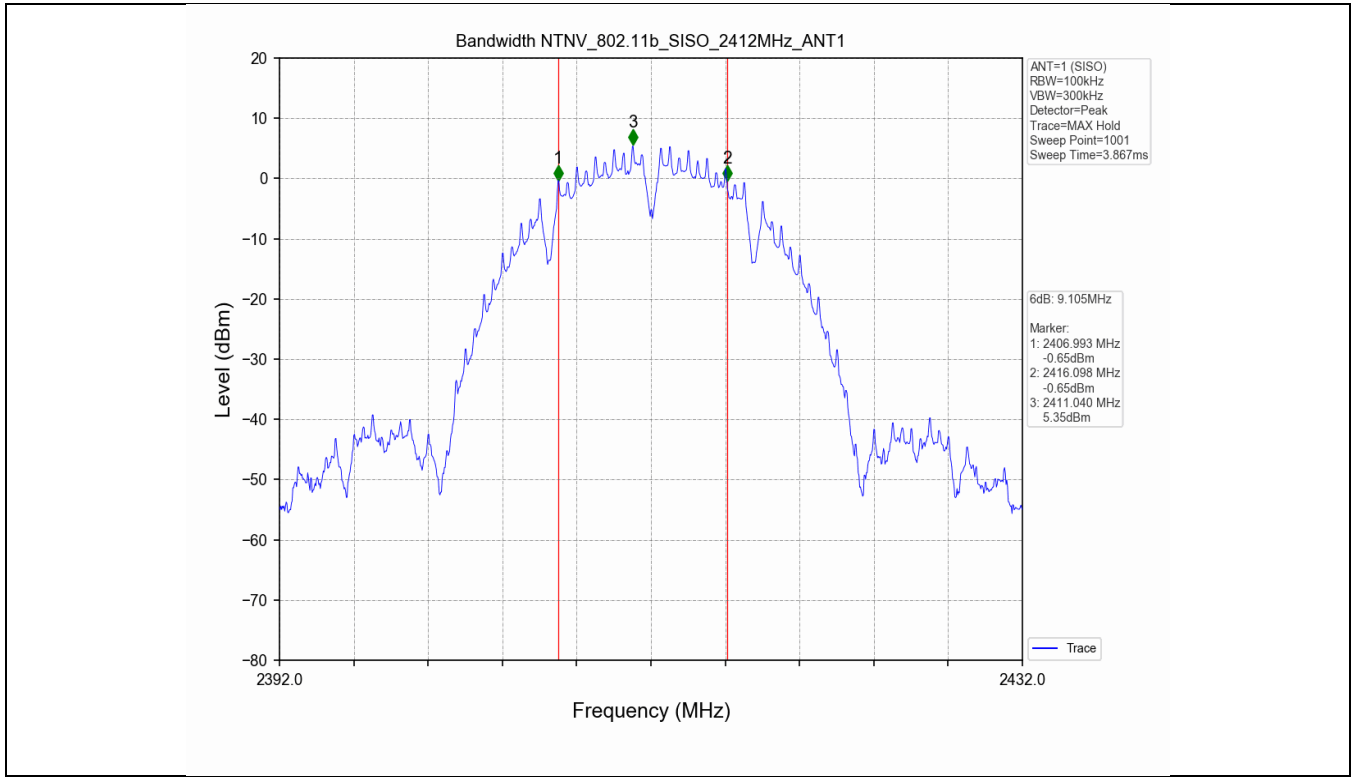
2. Bandwidth

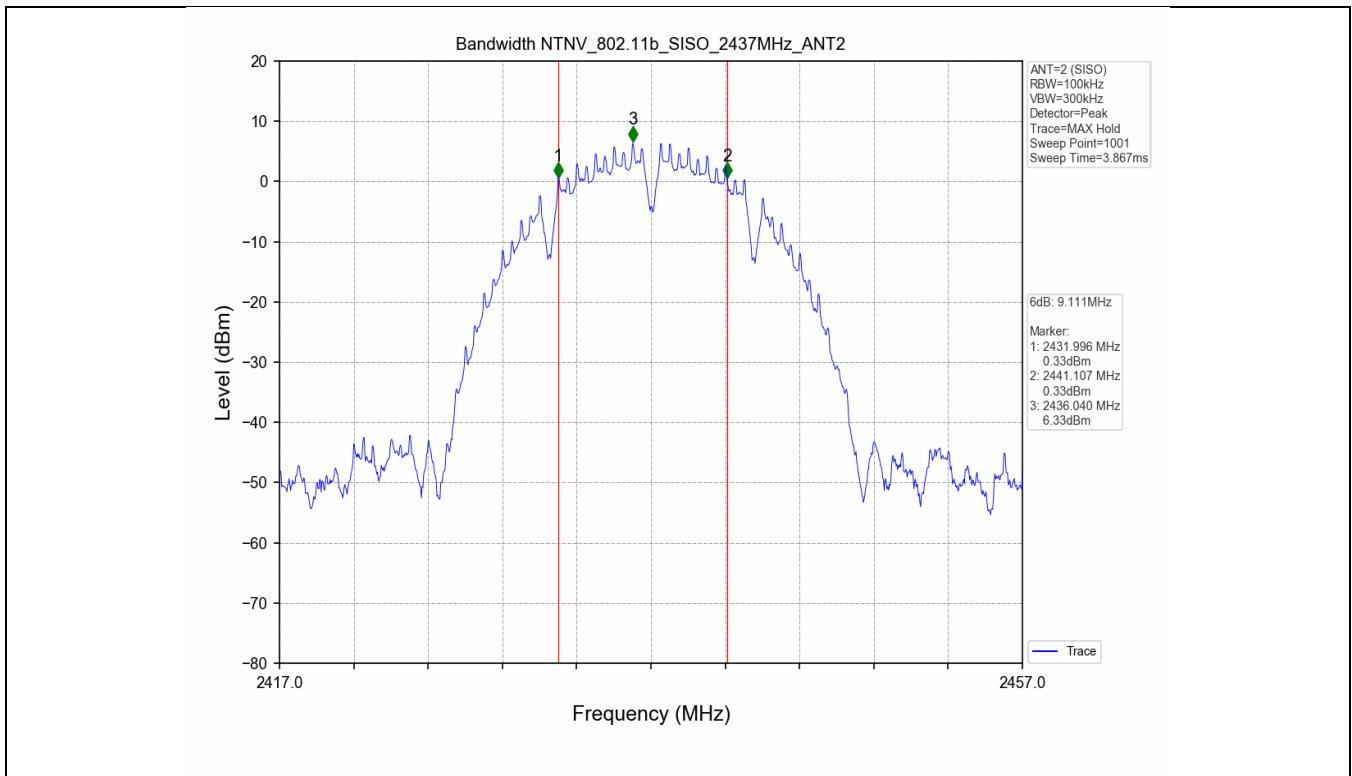
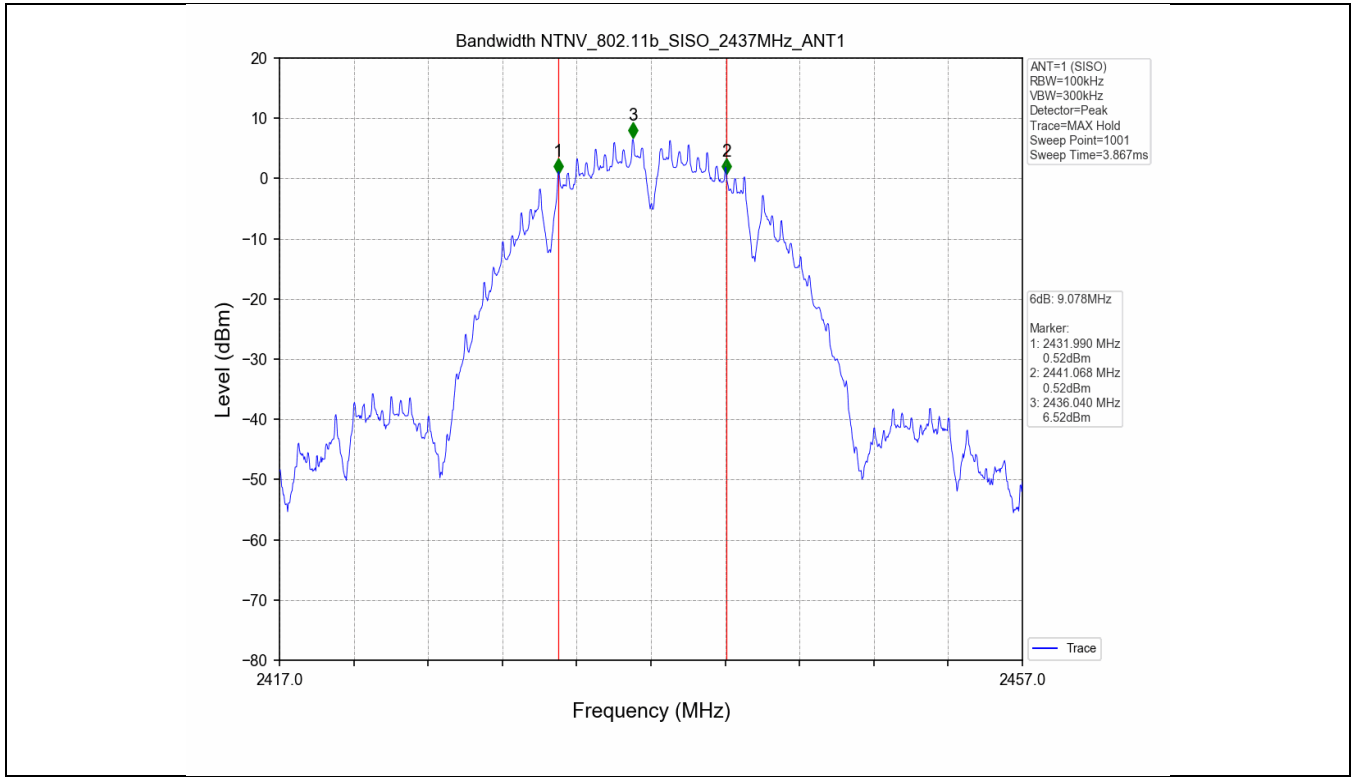
2.1 Test Result

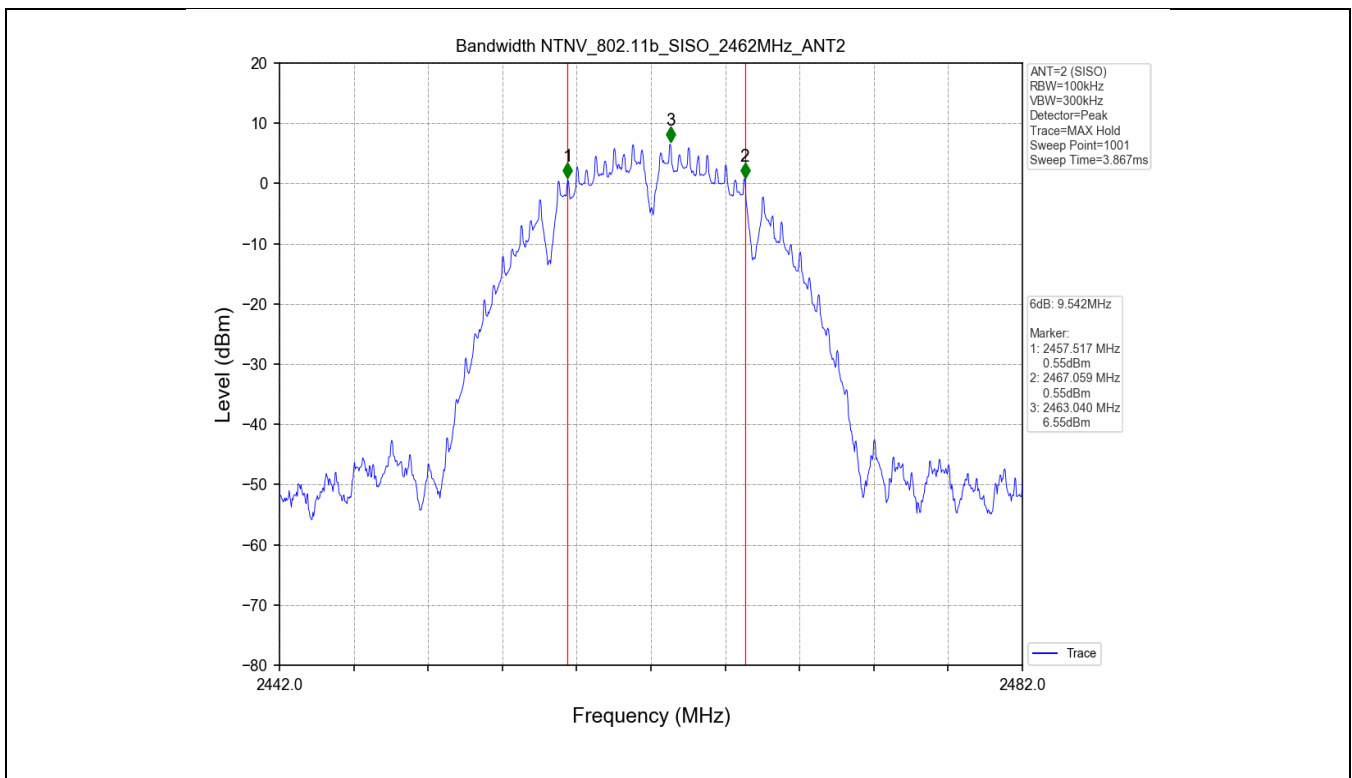
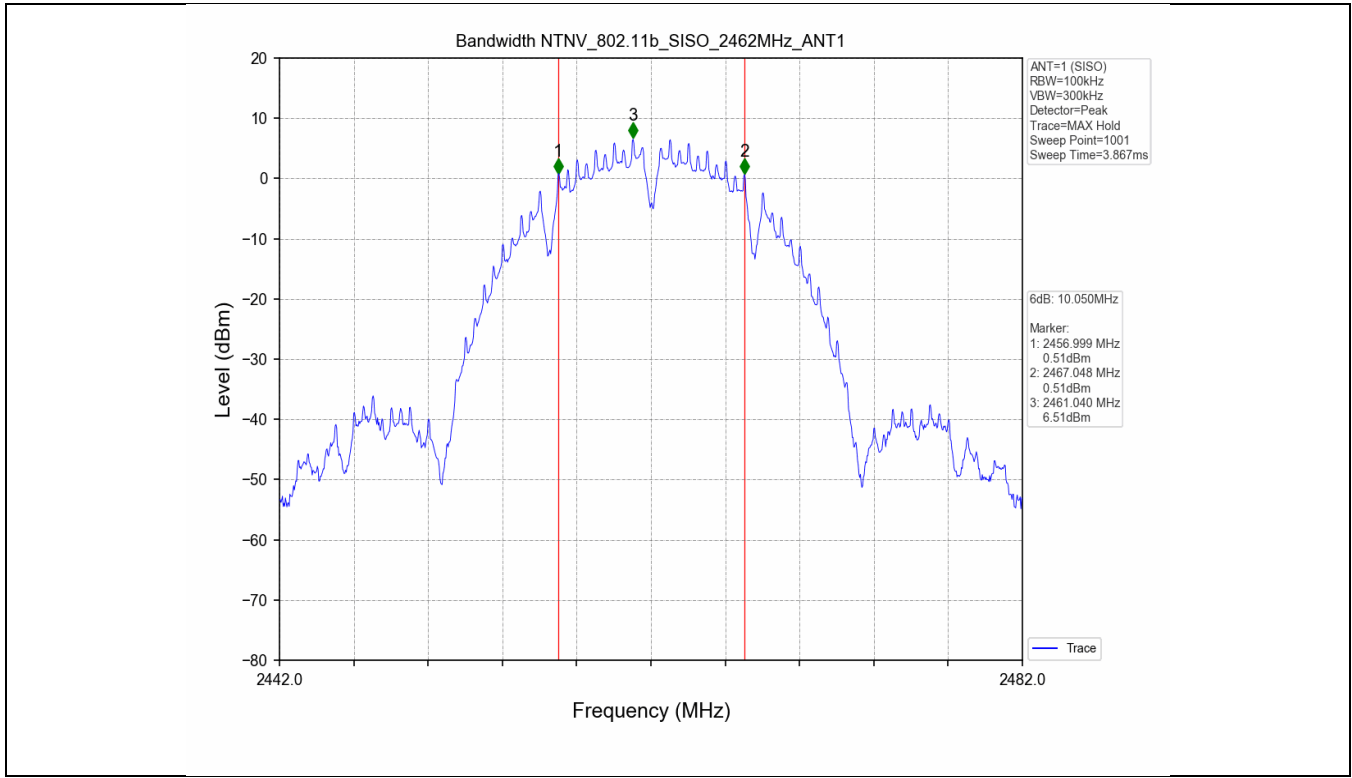
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.105	≥0.5	PASS
			2	8.605	≥0.5	PASS
	2437	SISO	1	9.078	≥0.5	PASS
			2	9.111	≥0.5	PASS
	2462	SISO	1	10.050	≥0.5	PASS
			2	9.542	≥0.5	PASS
802.11g	2412	SISO	1	15.106	≥0.5	PASS
			2	15.628	≥0.5	PASS
	2437	SISO	1	15.143	≥0.5	PASS
			2	15.394	≥0.5	PASS
	2462	SISO	1	15.130	≥0.5	PASS
			2	15.140	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	15.122	≥0.5	PASS
			2	15.139	≥0.5	PASS
	2437	MIMO	1	15.138	≥0.5	PASS
			2	15.765	≥0.5	PASS
	2462	MIMO	1	15.118	≥0.5	PASS
			2	15.136	≥0.5	PASS

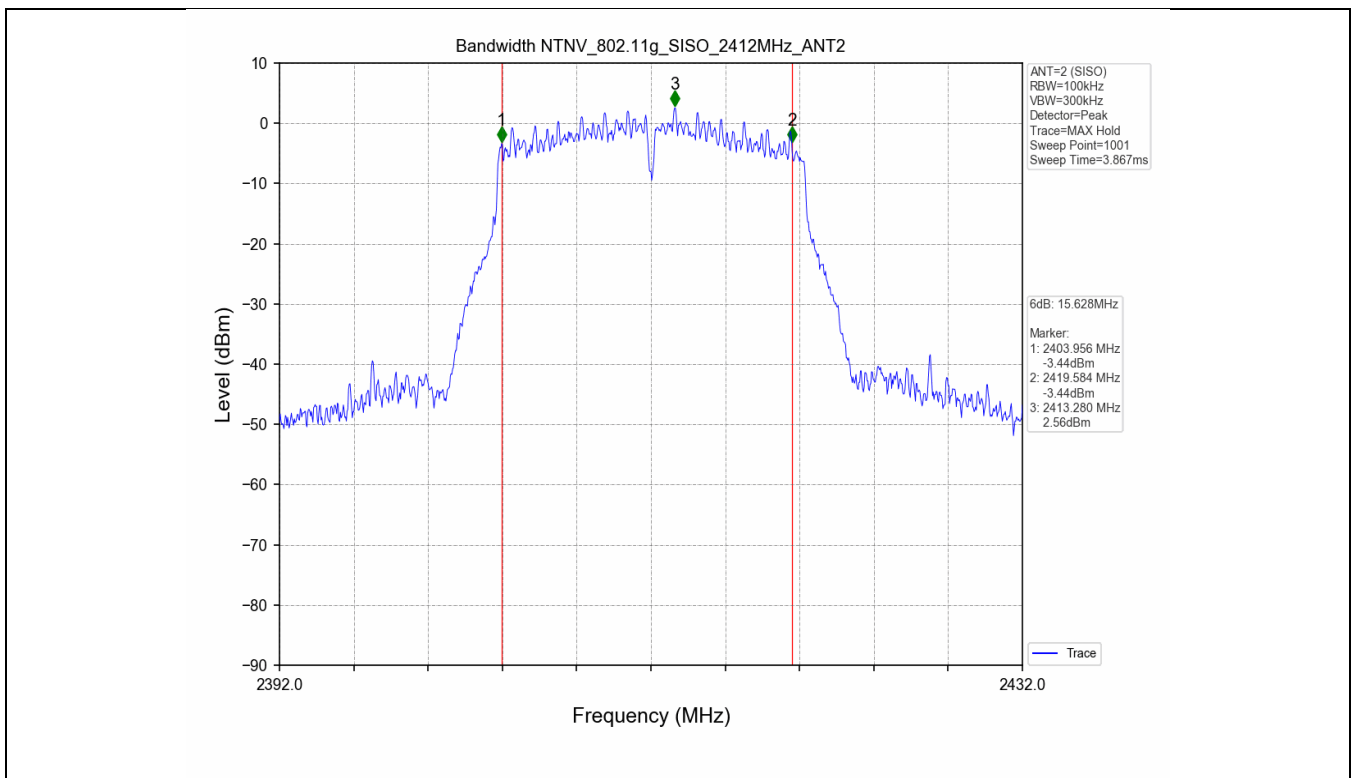
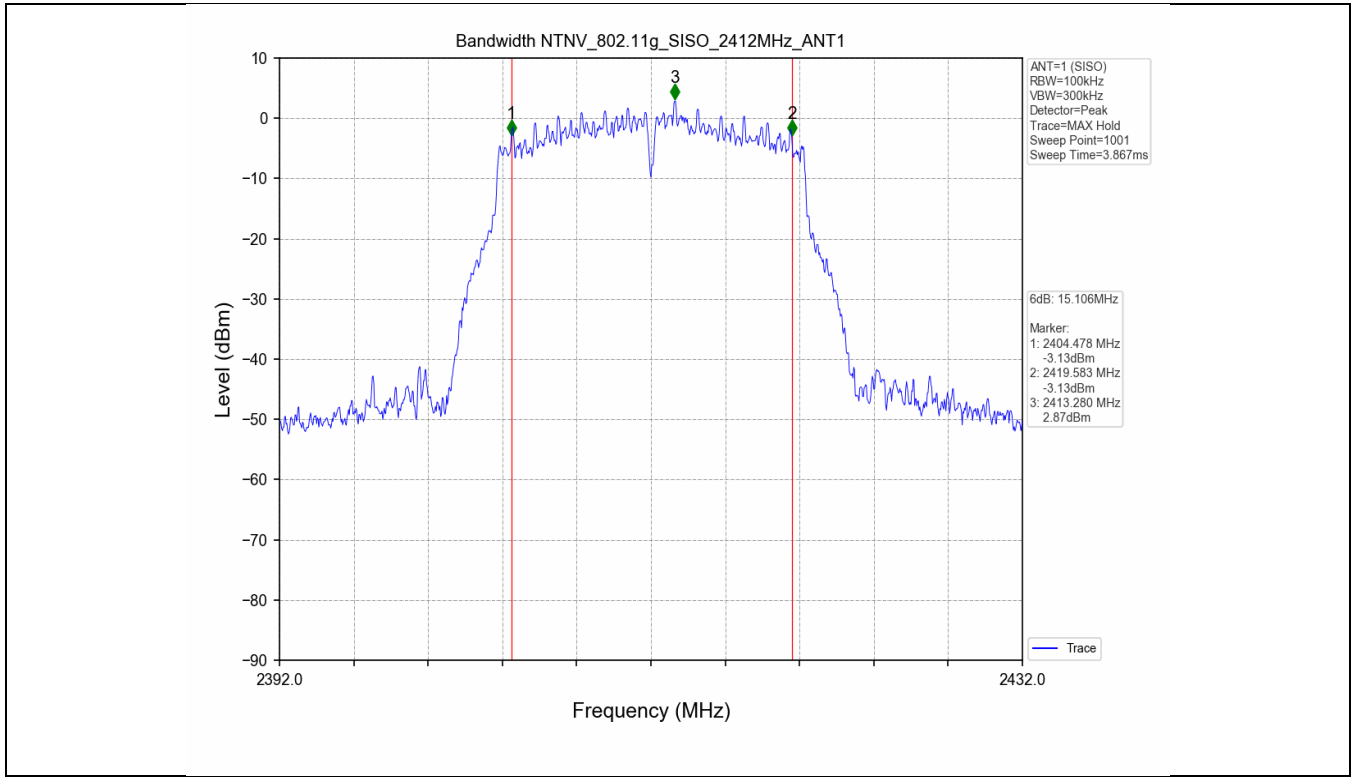
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.188	Only for Report Use
			2	14.118	Only for Report Use
	2437	SISO	1	14.338	Only for Report Use
			2	14.176	Only for Report Use
	2462	SISO	1	14.277	Only for Report Use
			2	14.103	Only for Report Use
802.11g	2412	SISO	1	16.462	Only for Report Use
			2	16.418	Only for Report Use
	2437	SISO	1	16.450	Only for Report Use
			2	16.447	Only for Report Use
	2462	SISO	1	16.482	Only for Report Use
			2	16.463	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.513	Only for Report Use
			2	17.654	Only for Report Use
	2437	MIMO	1	17.557	Only for Report Use
			2	17.681	Only for Report Use
	2462	MIMO	1	17.565	Only for Report Use
			2	17.661	Only for Report Use

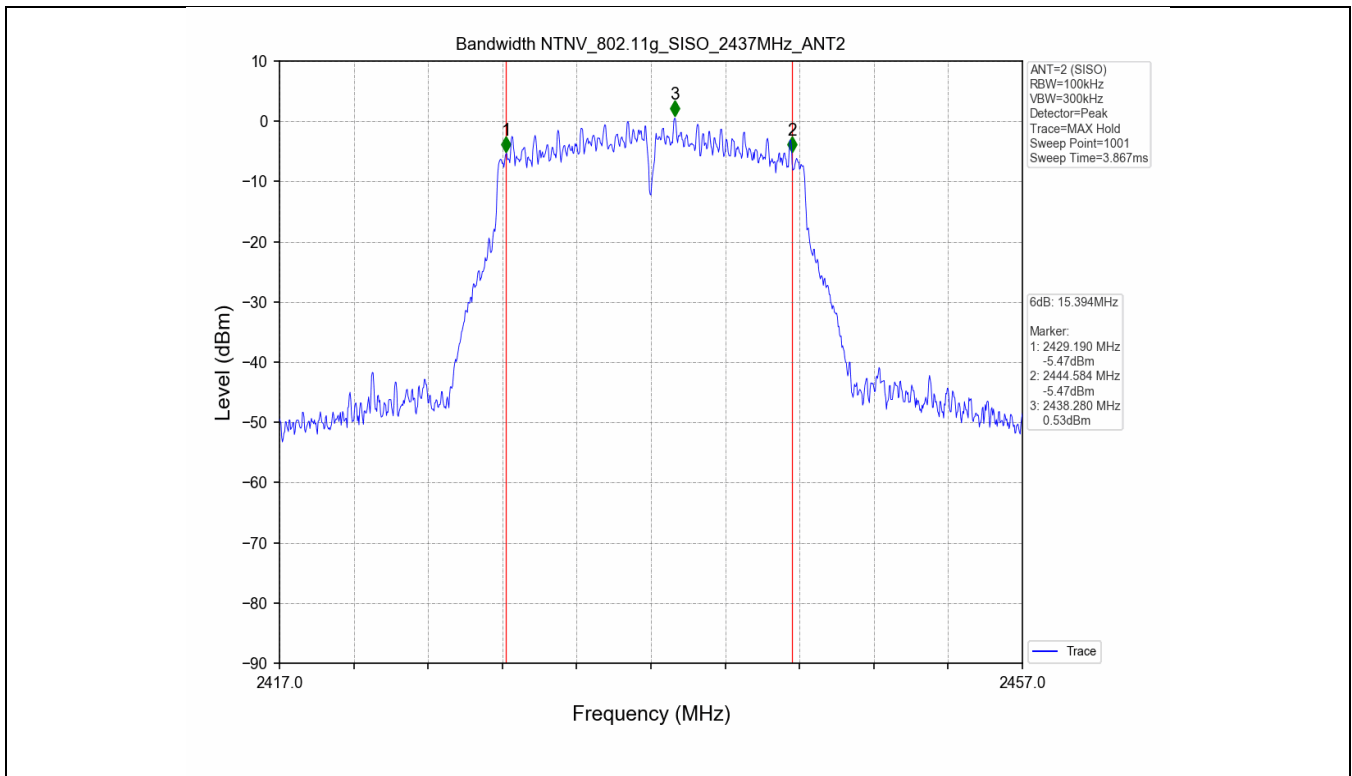
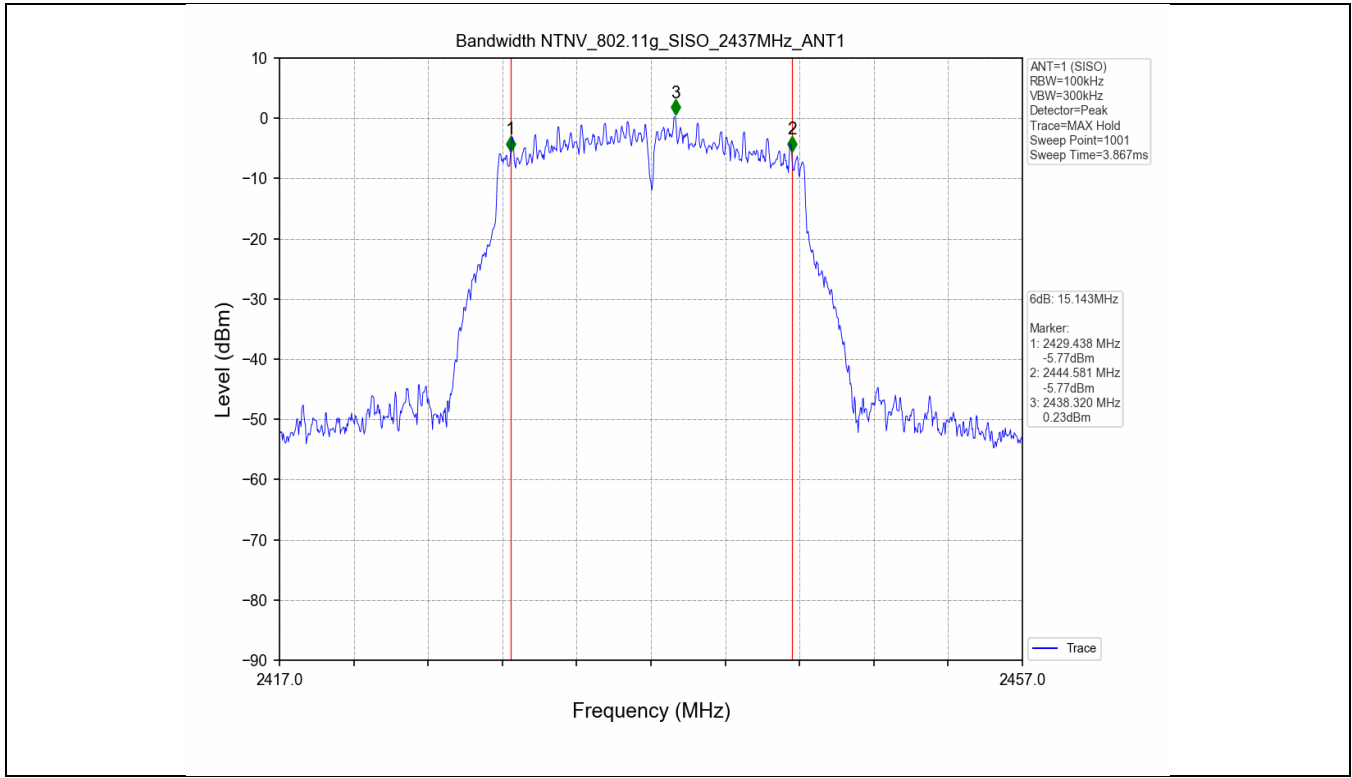
2.2 Test Graph - 6dB Bandwidth

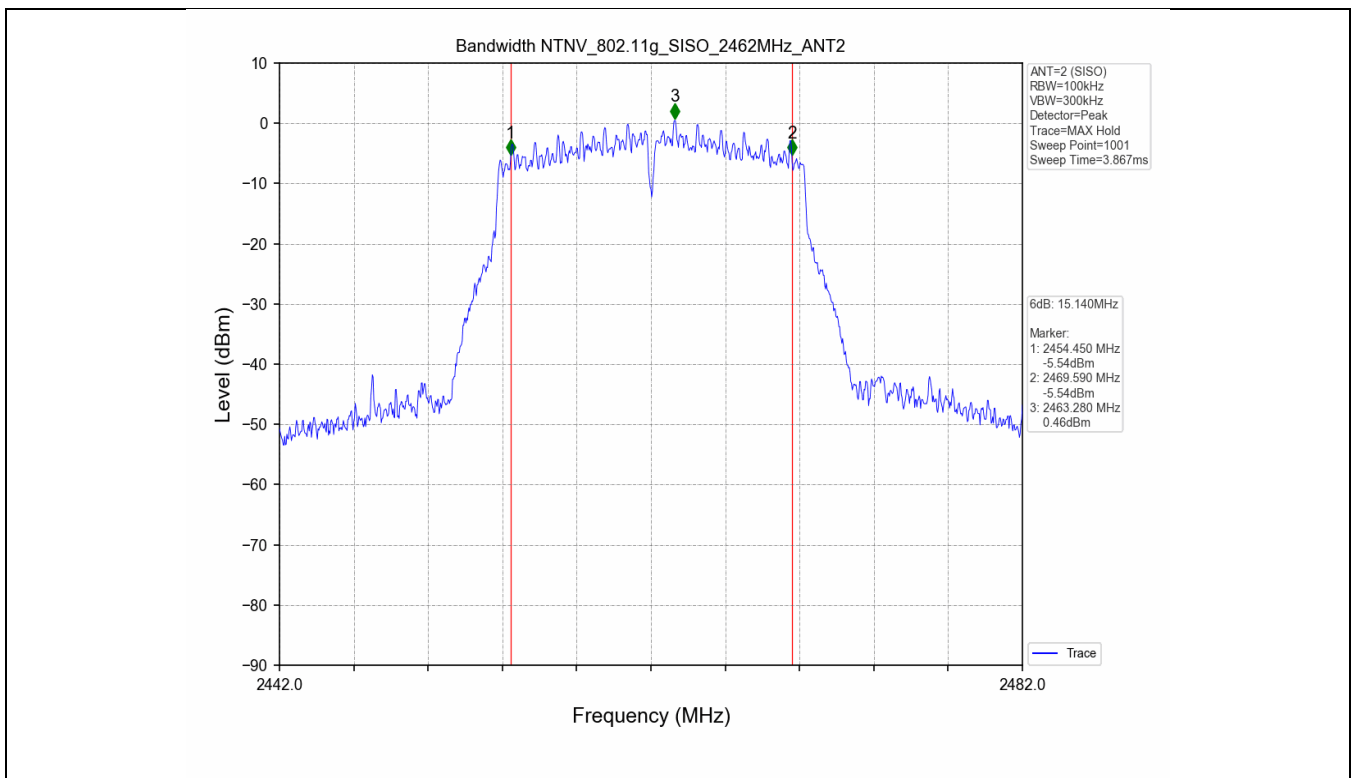
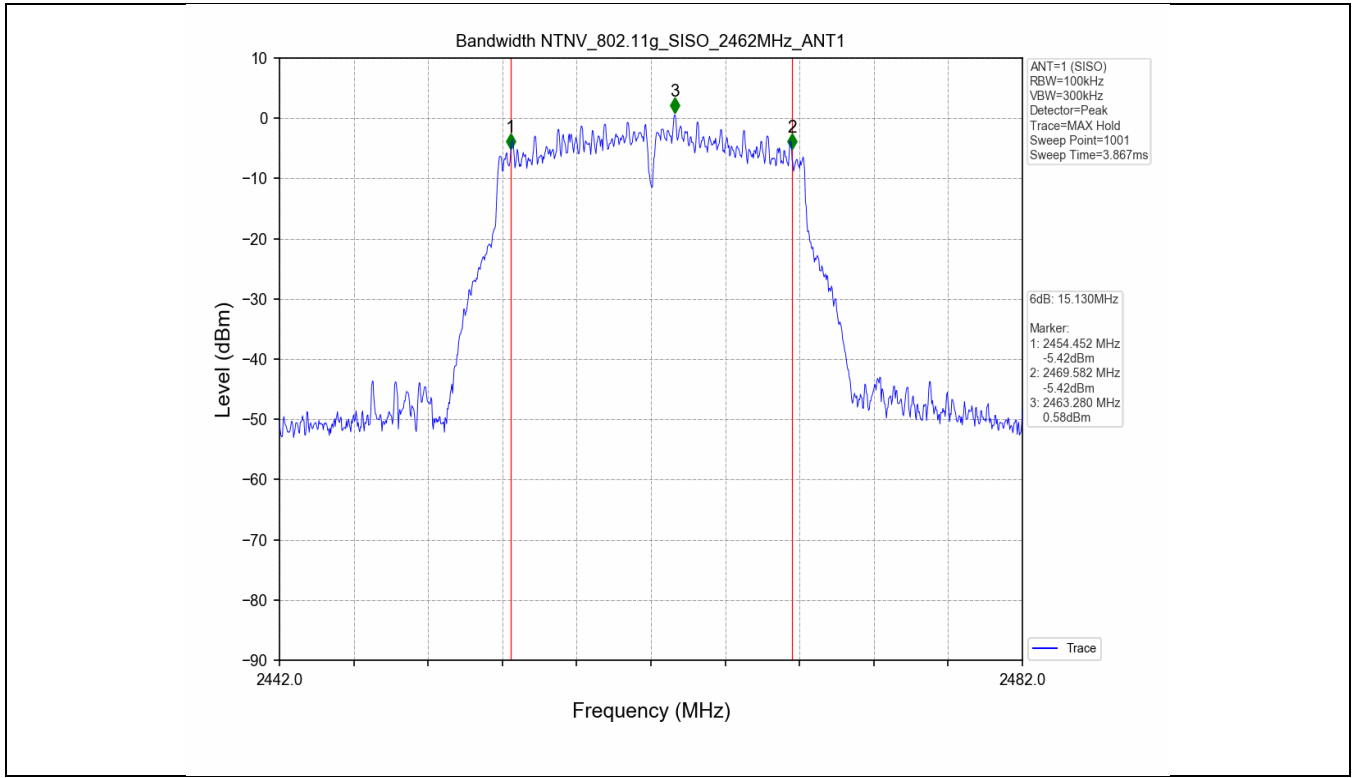


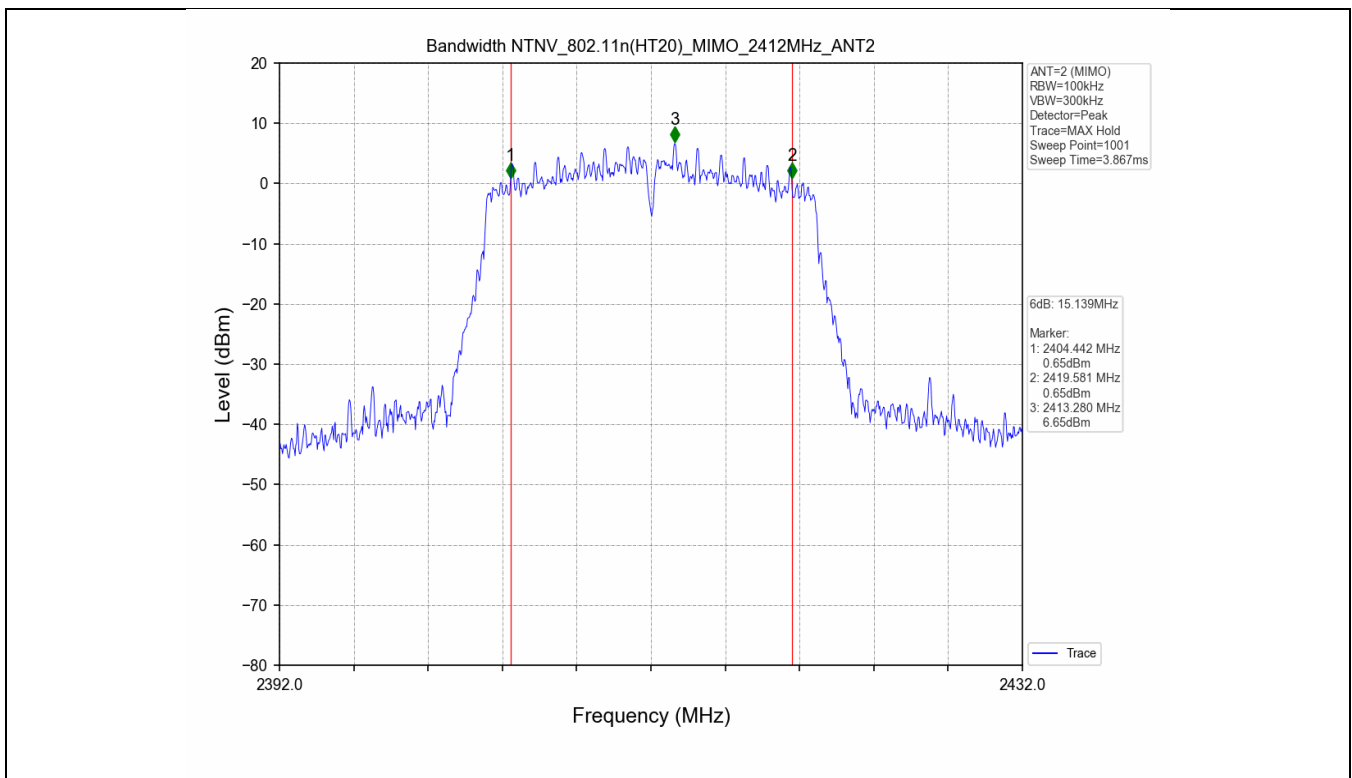
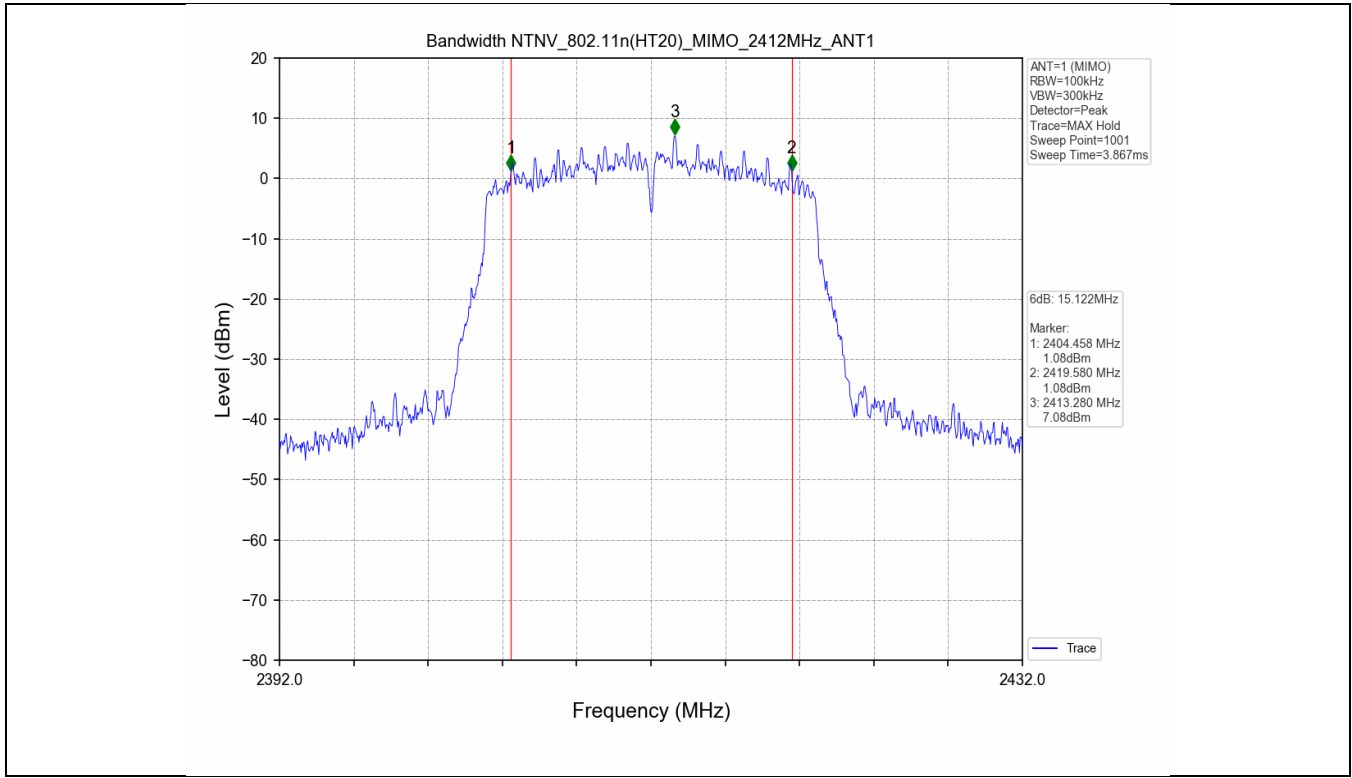


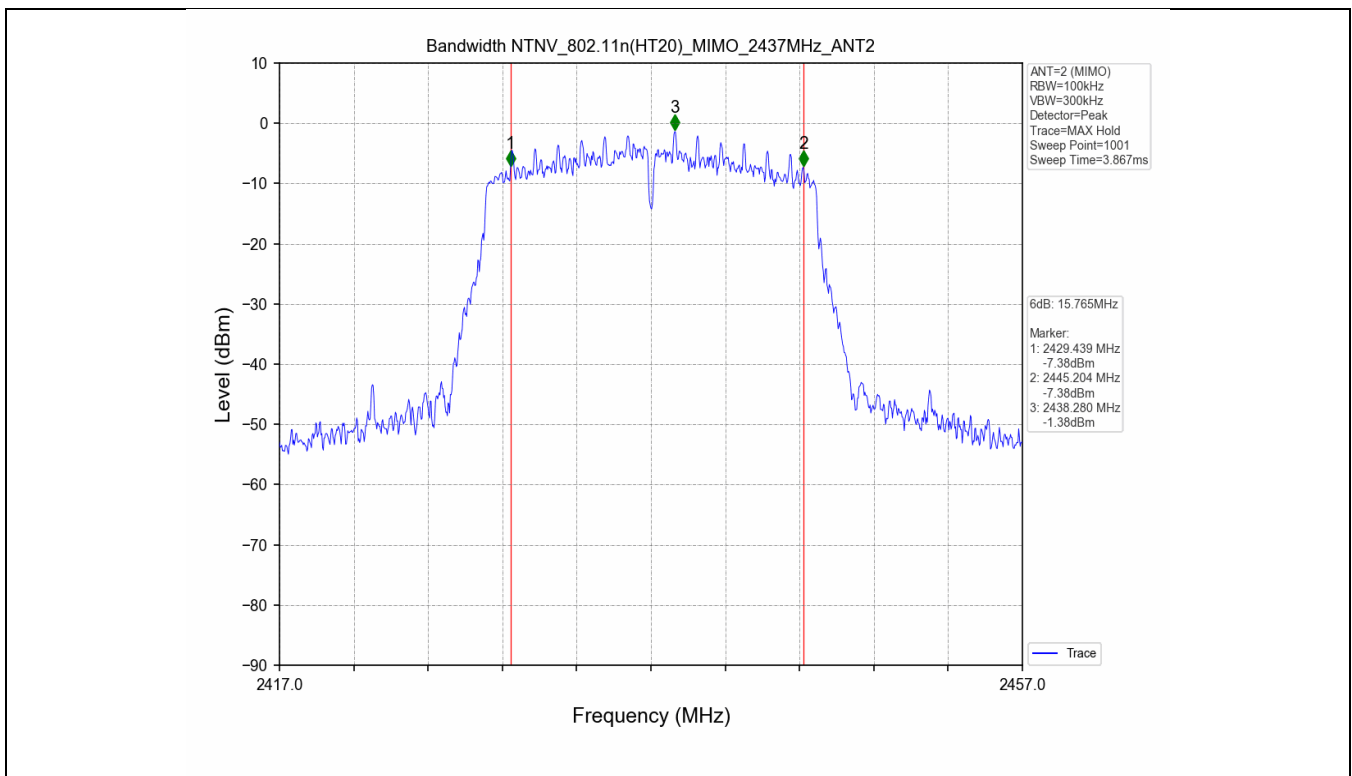
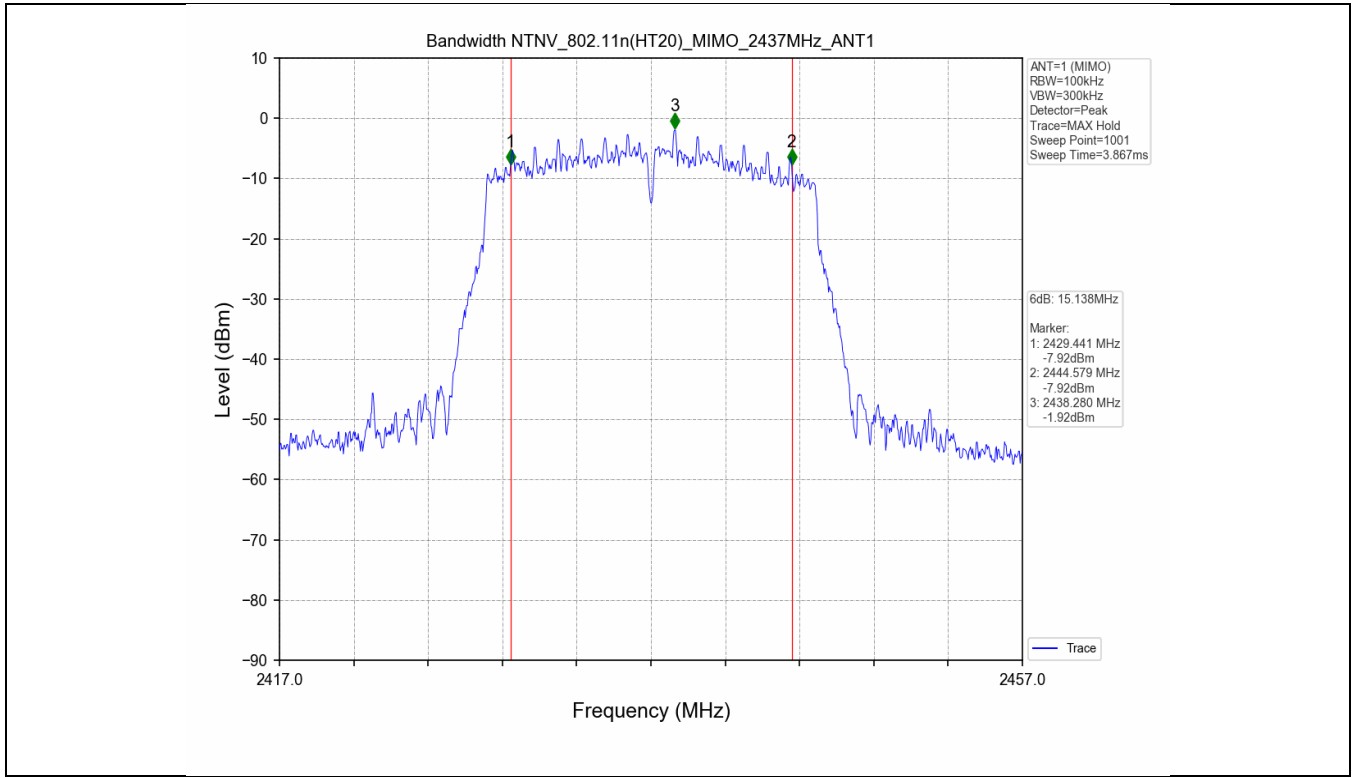


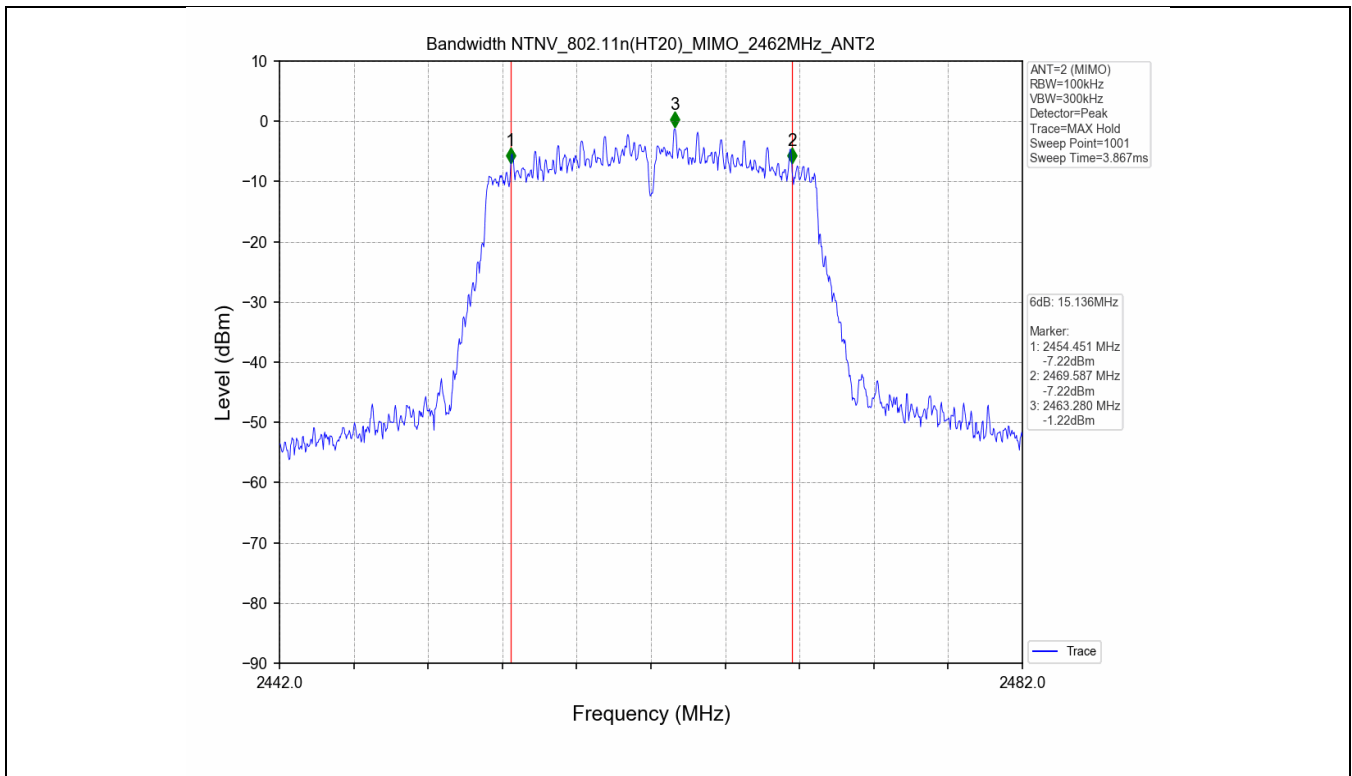
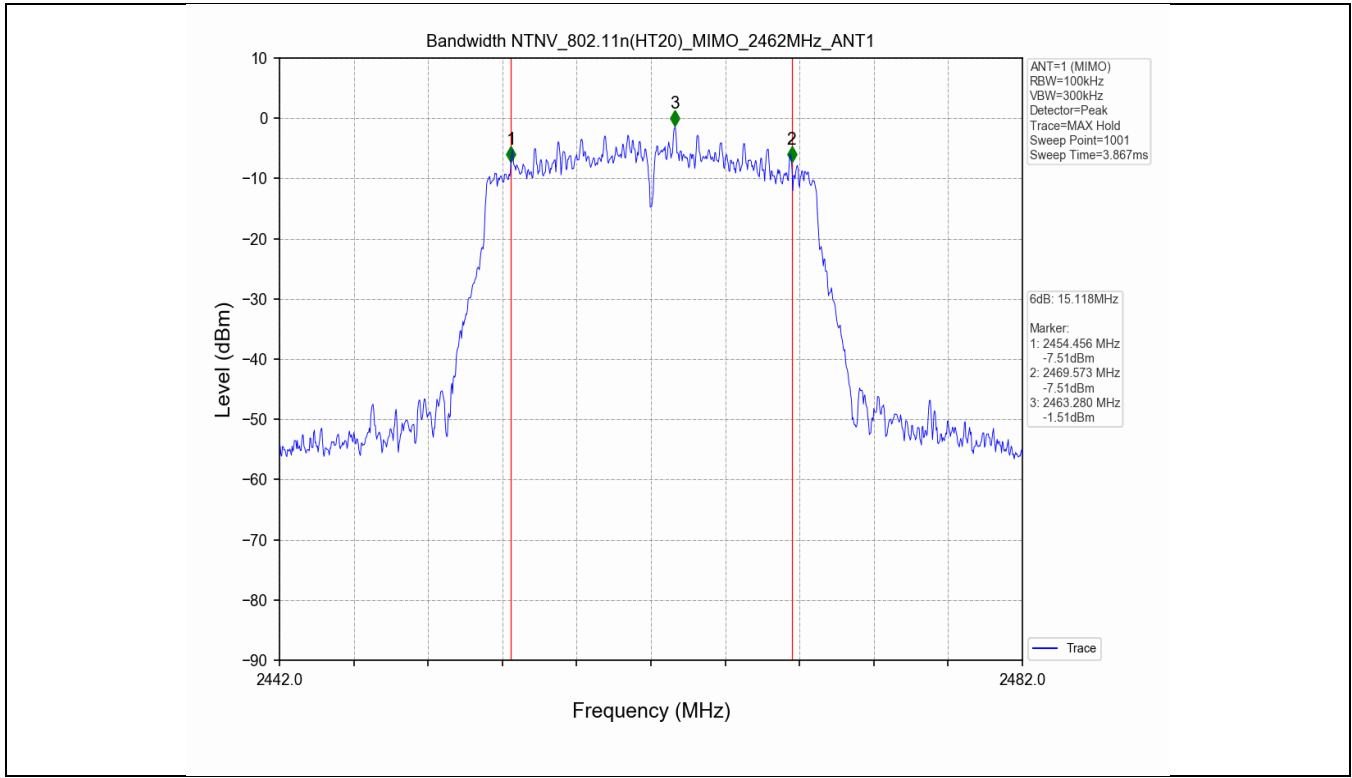






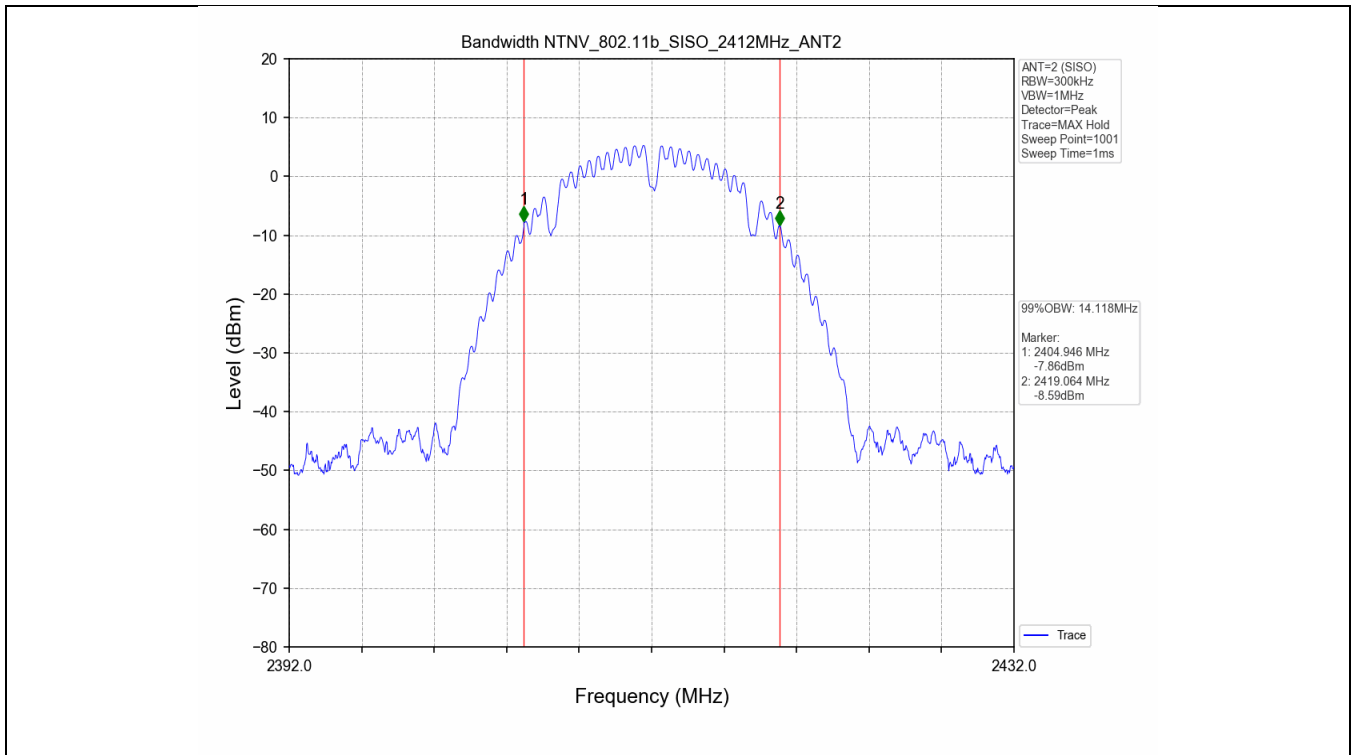
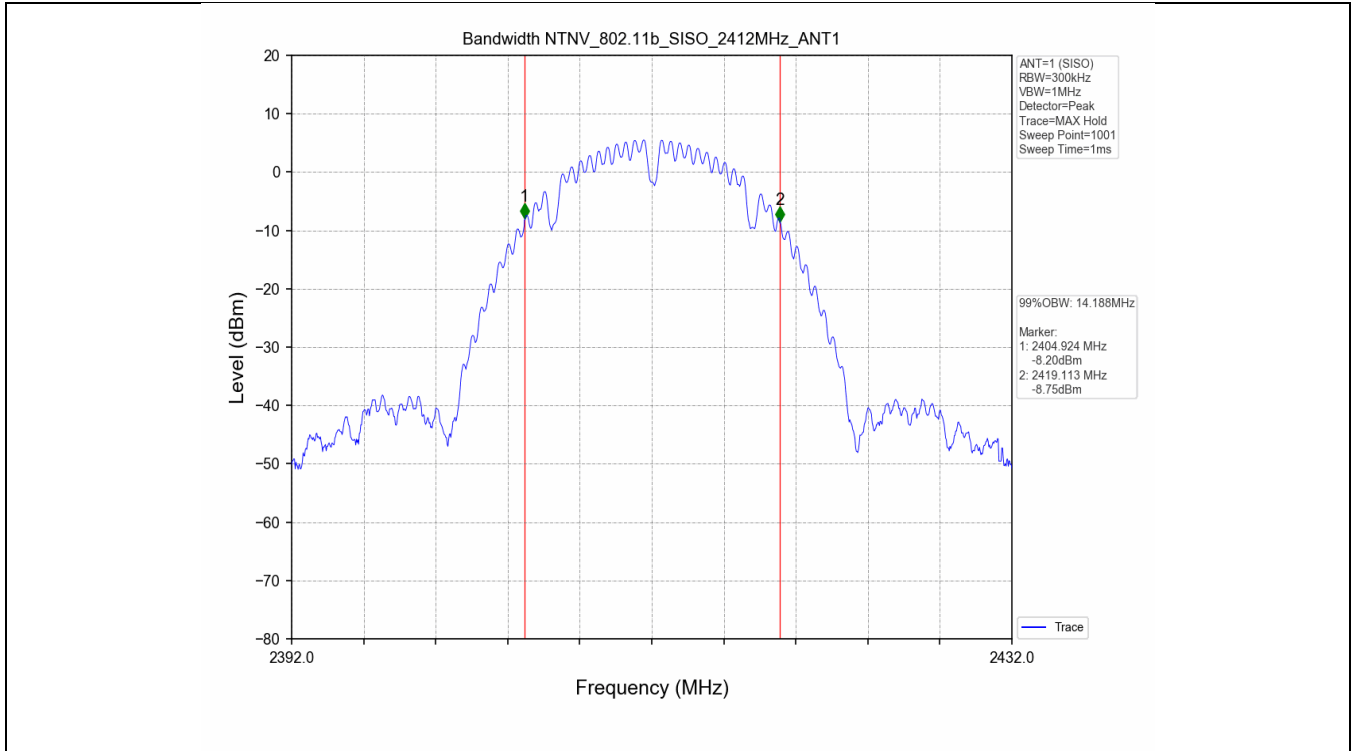


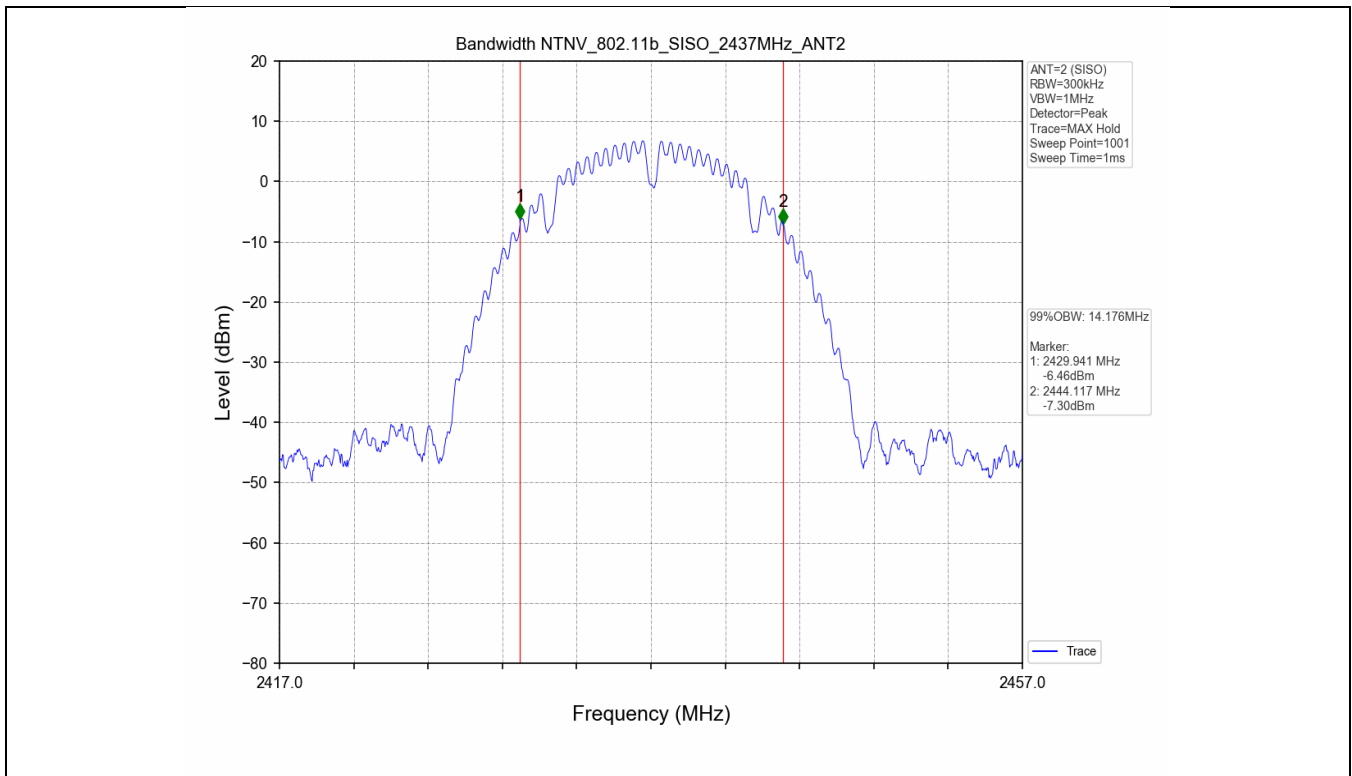
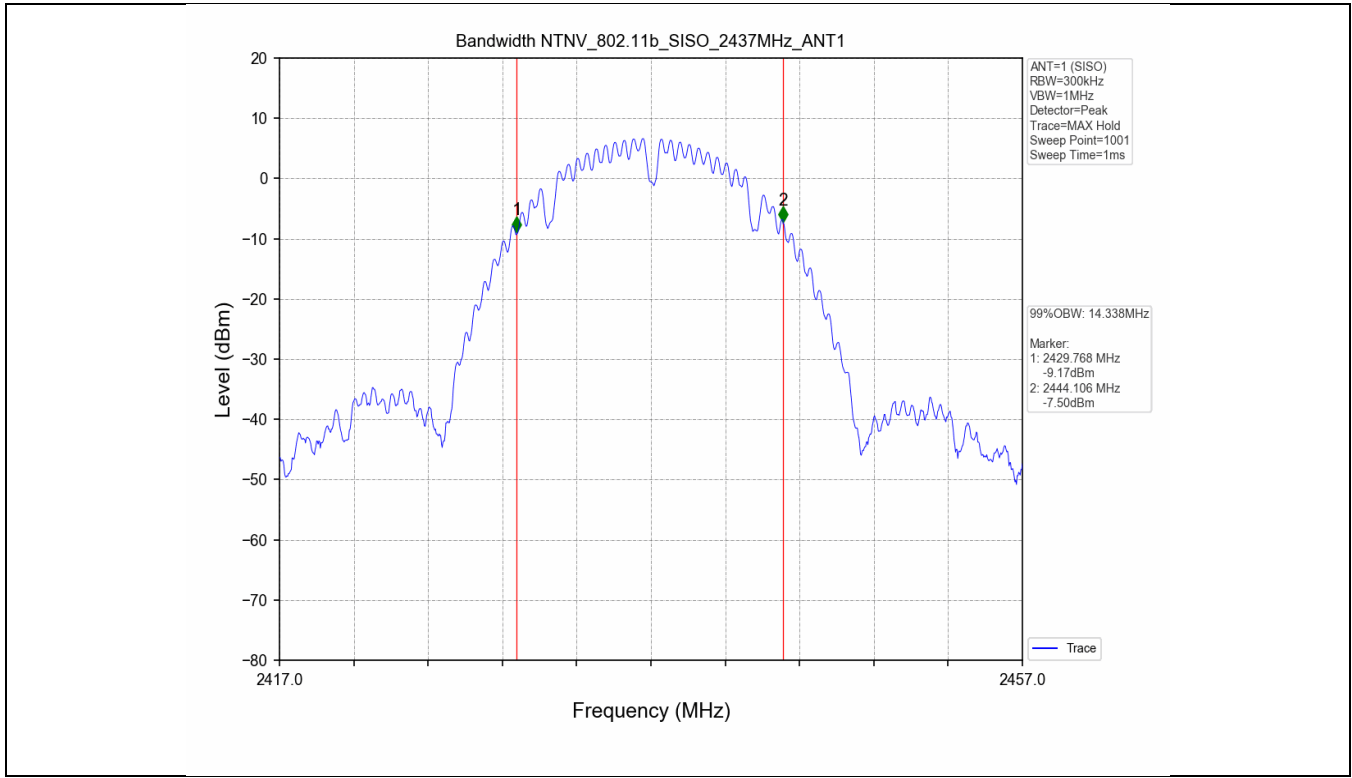


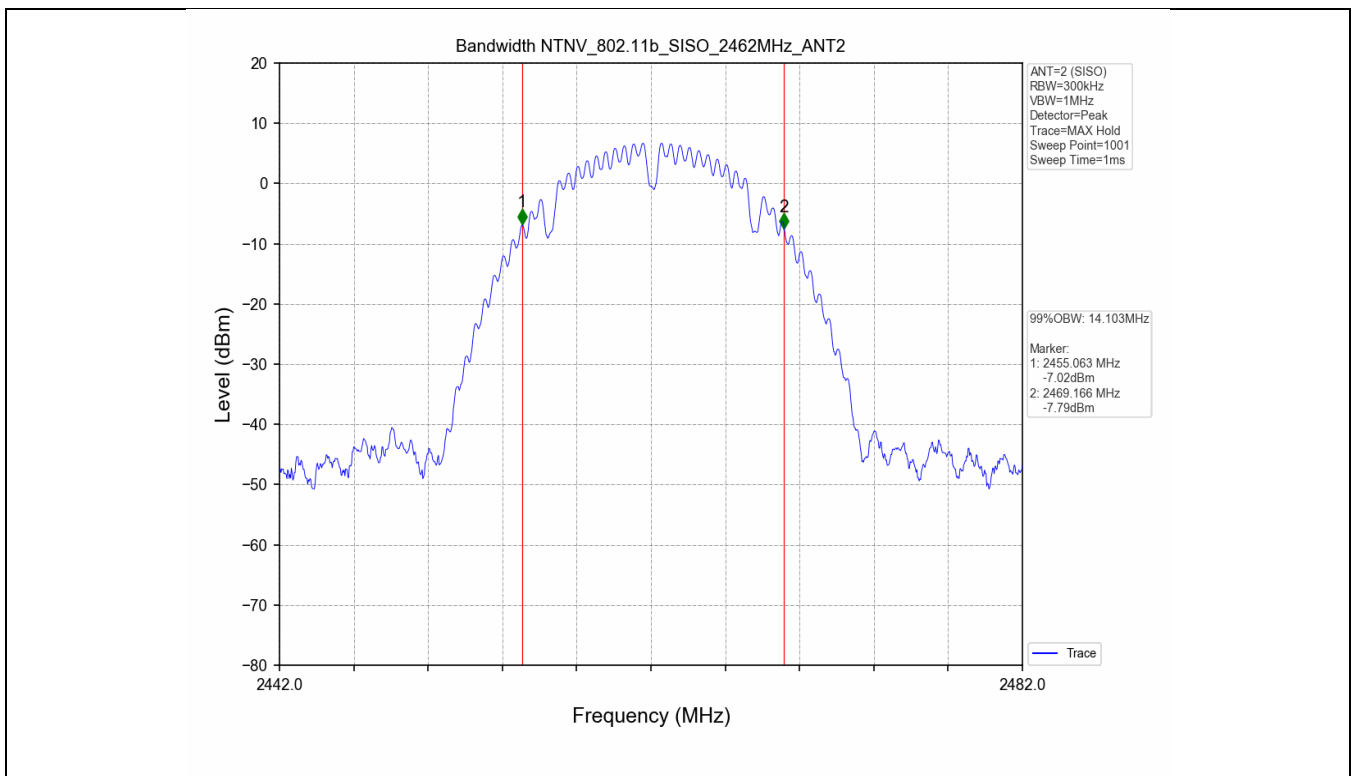
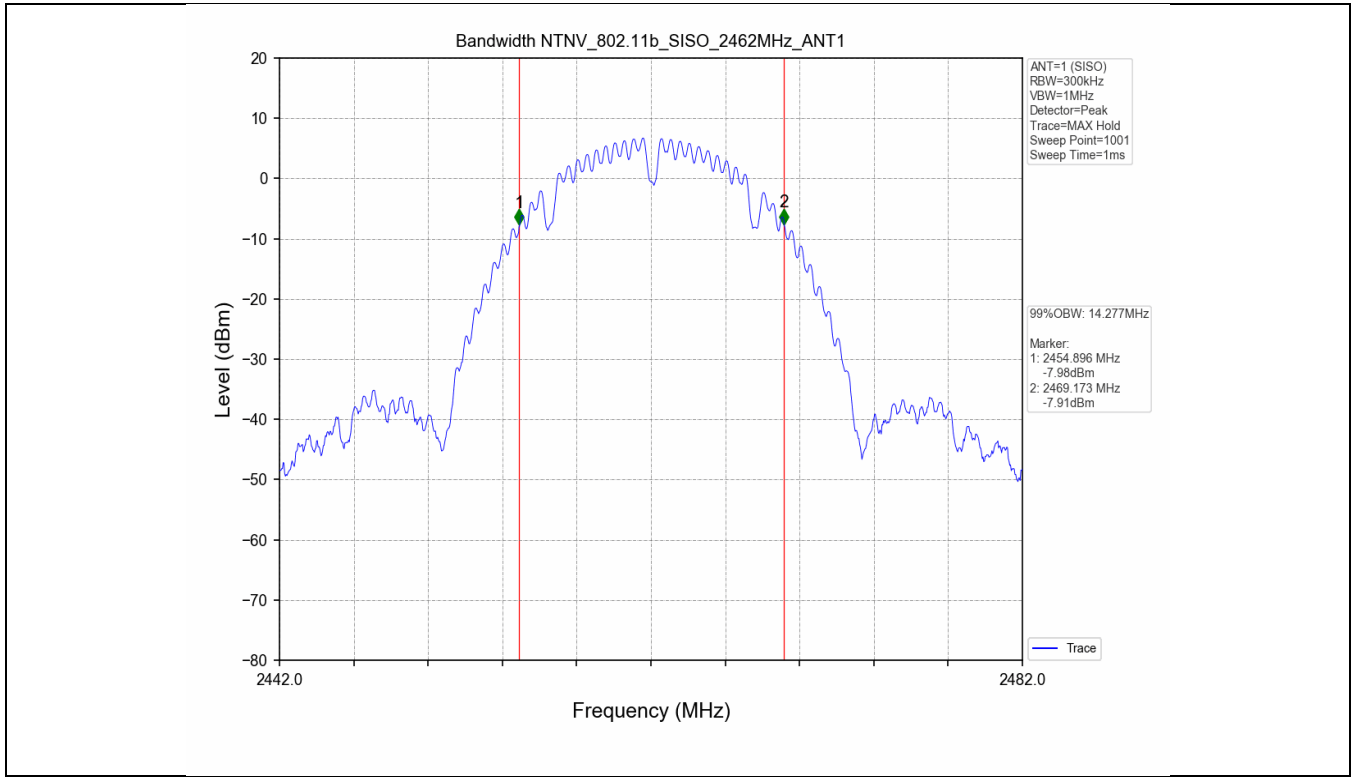


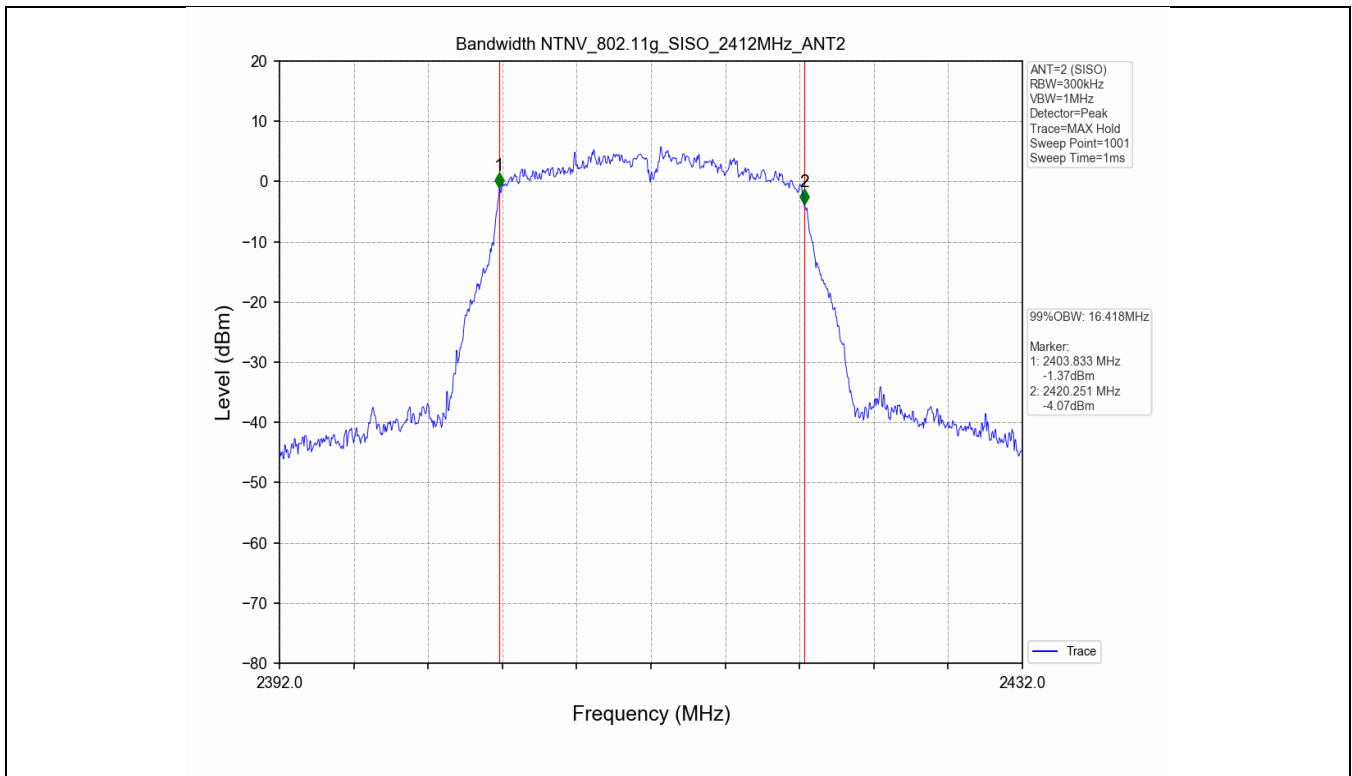
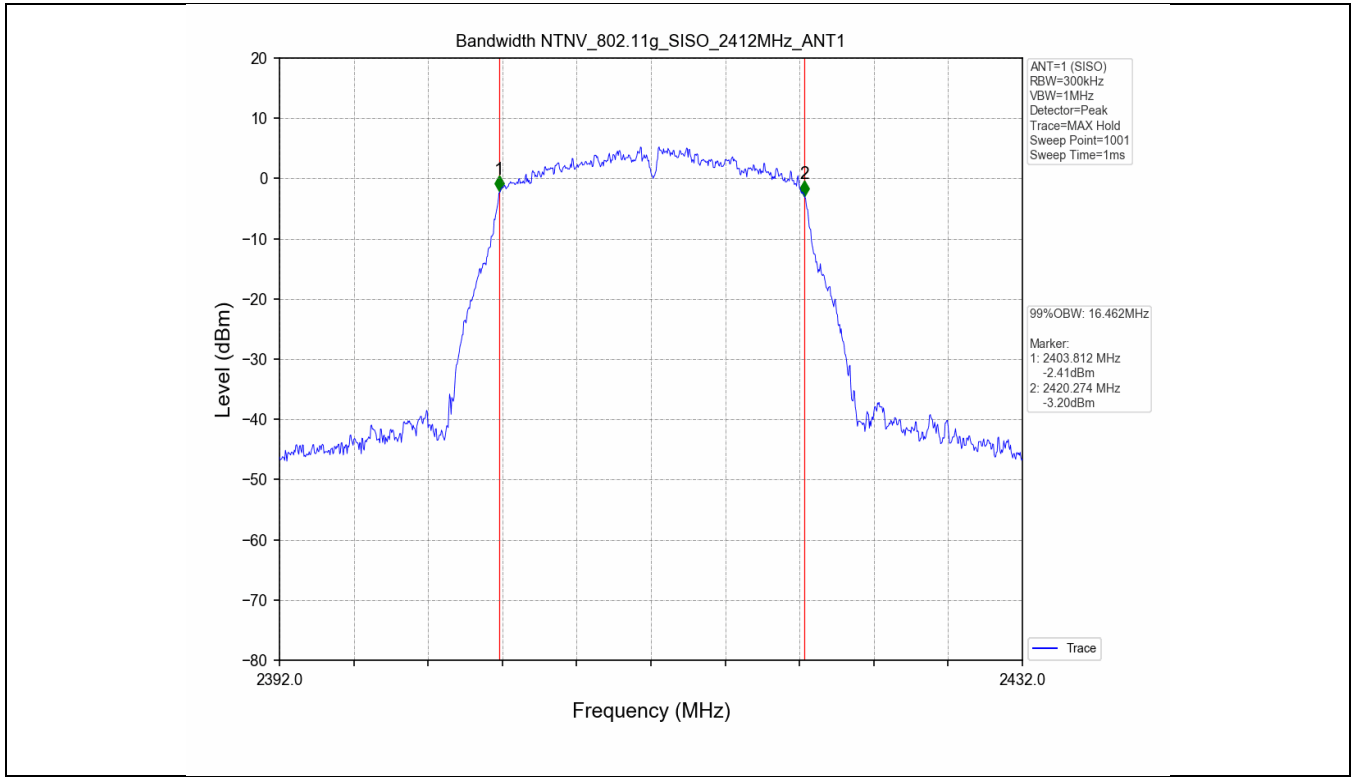


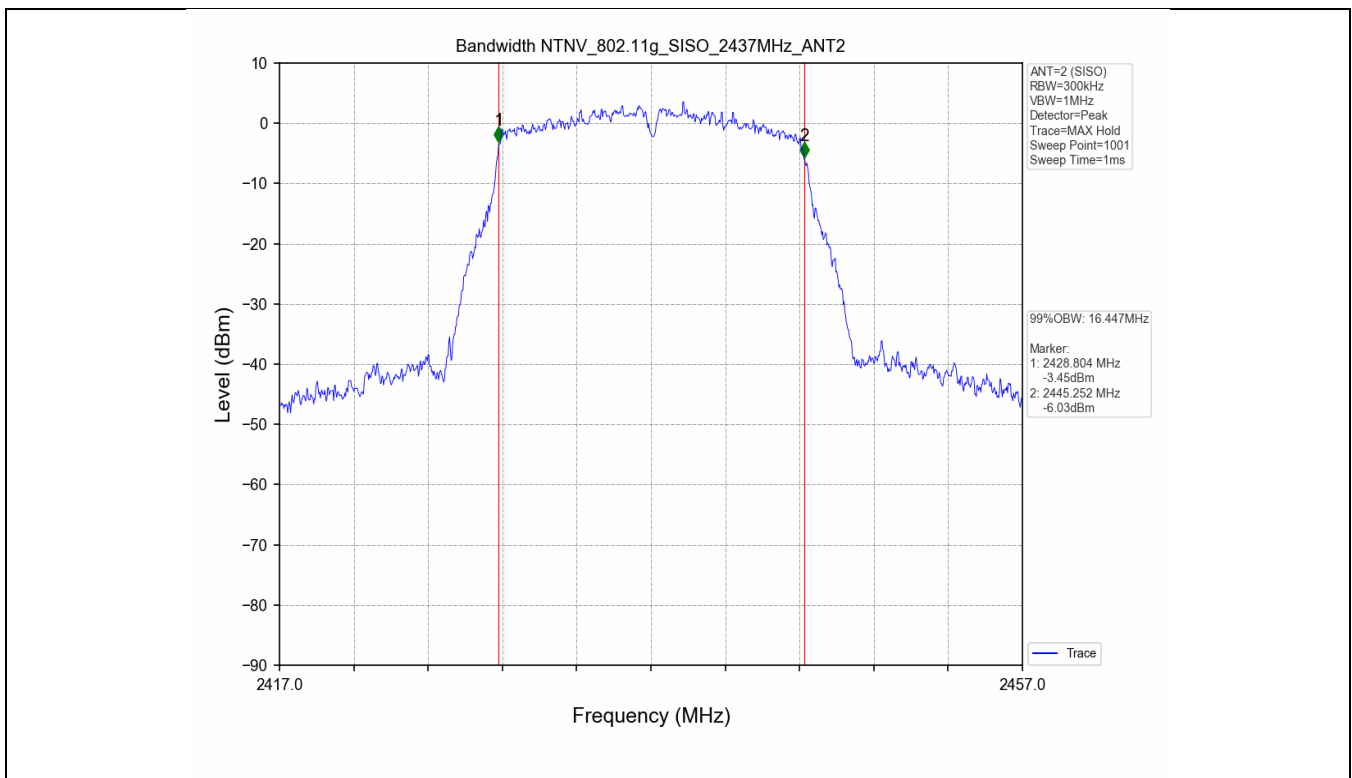
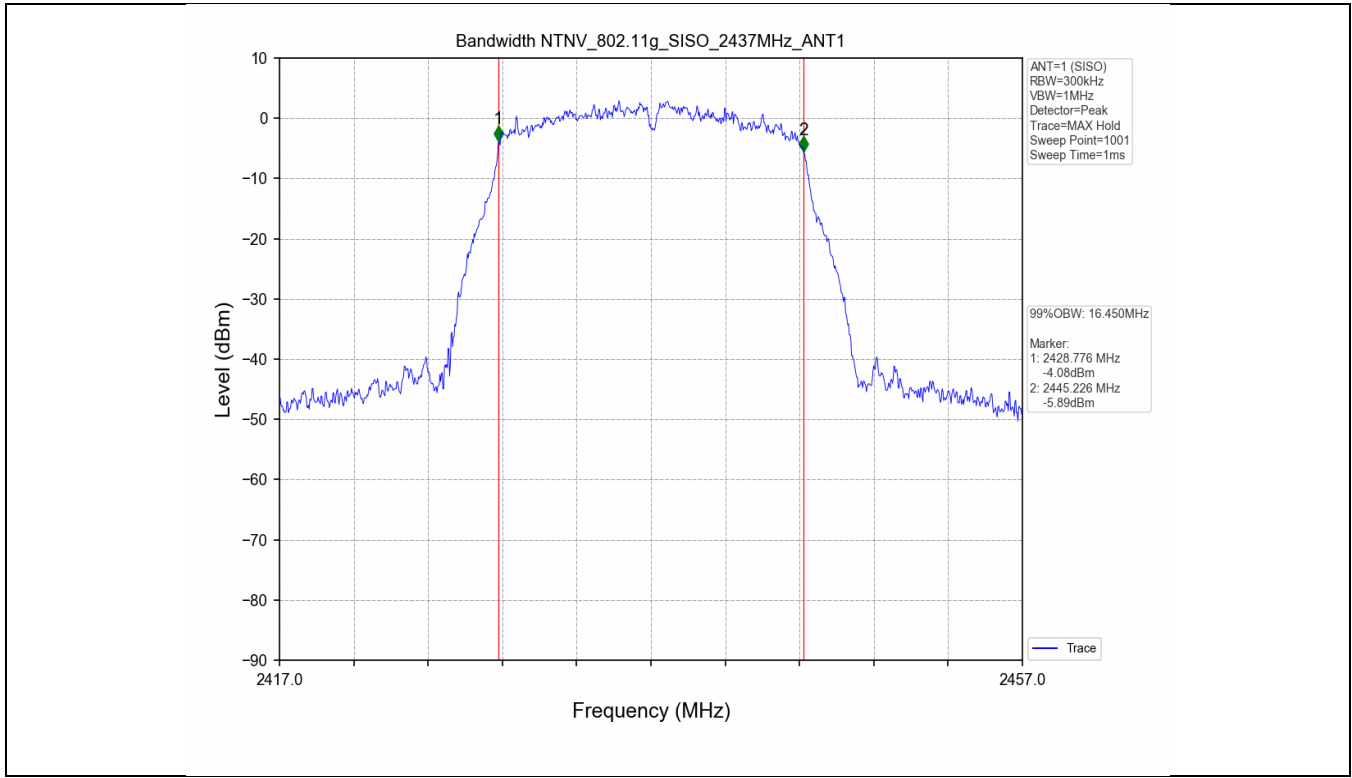
2.3 Test Graph - 99% Occupied Bandwidth

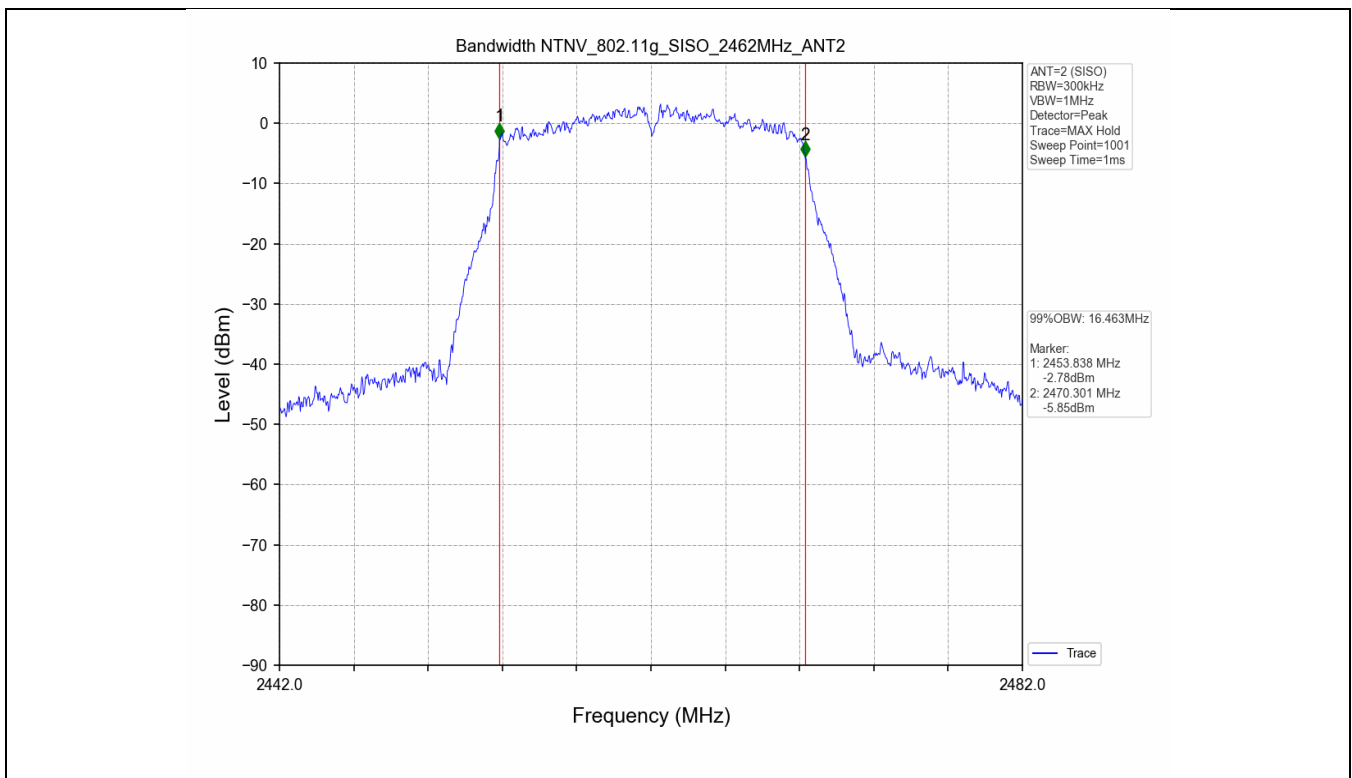
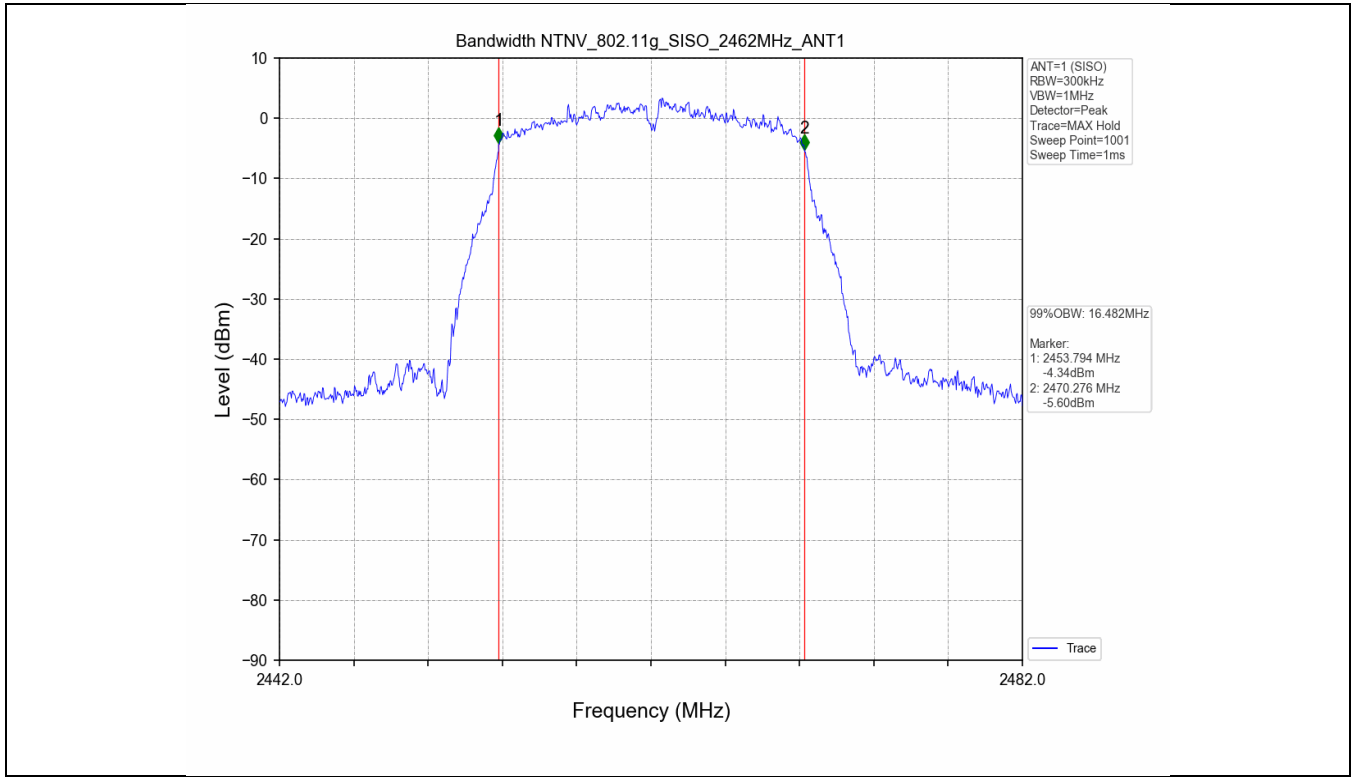


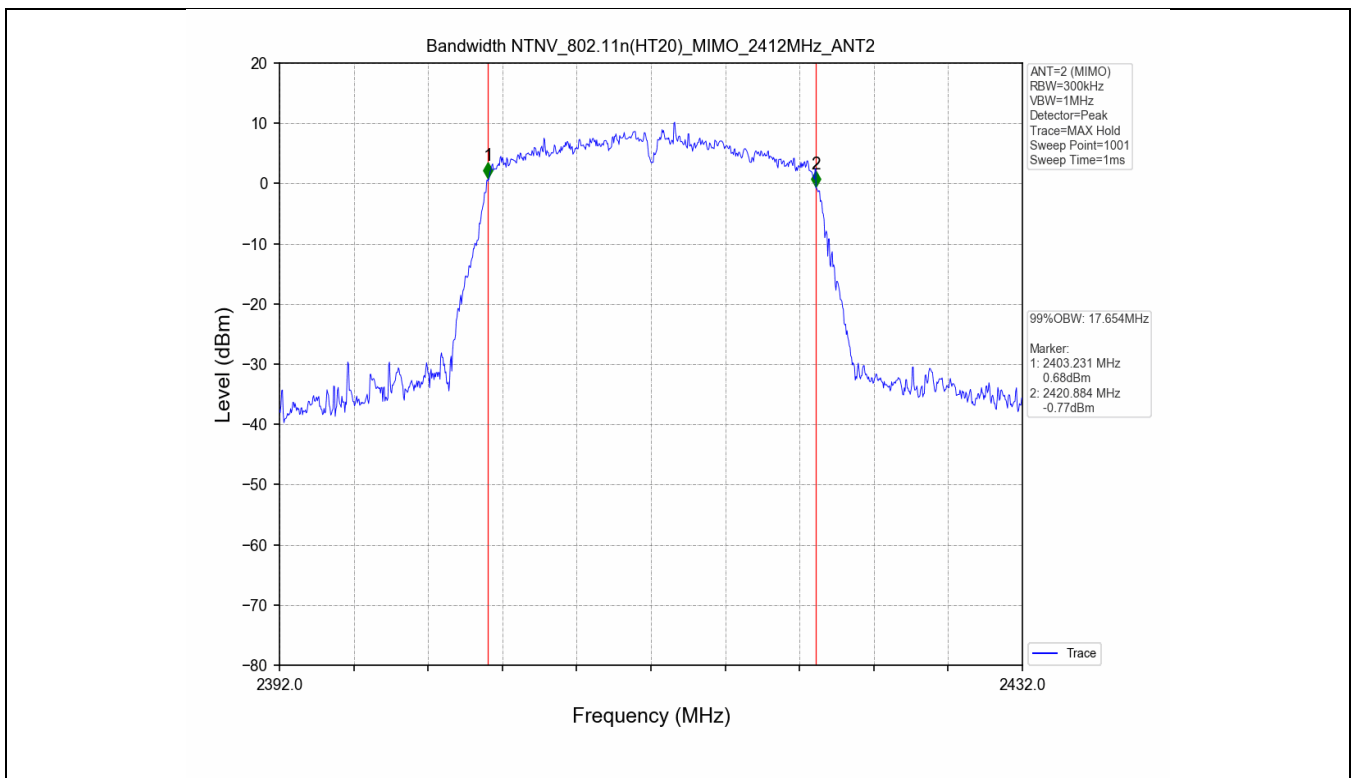
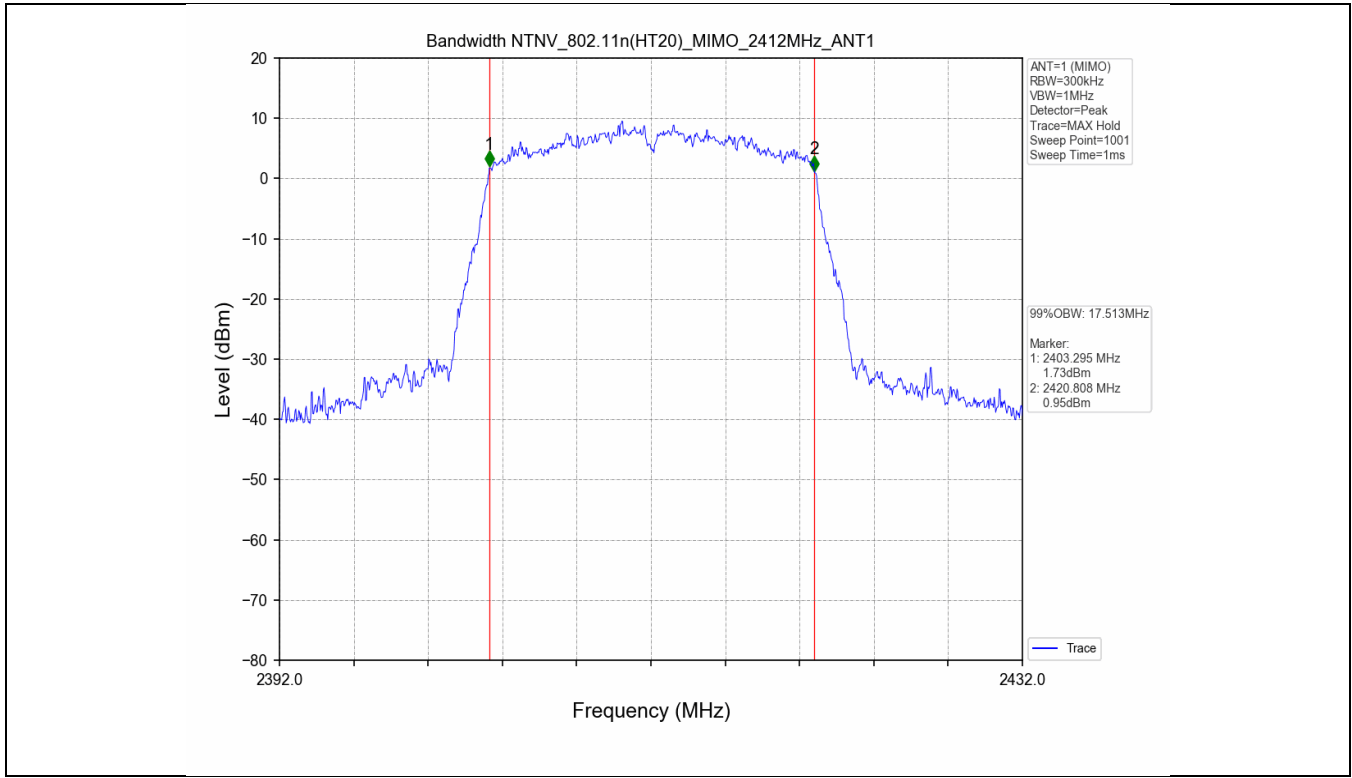


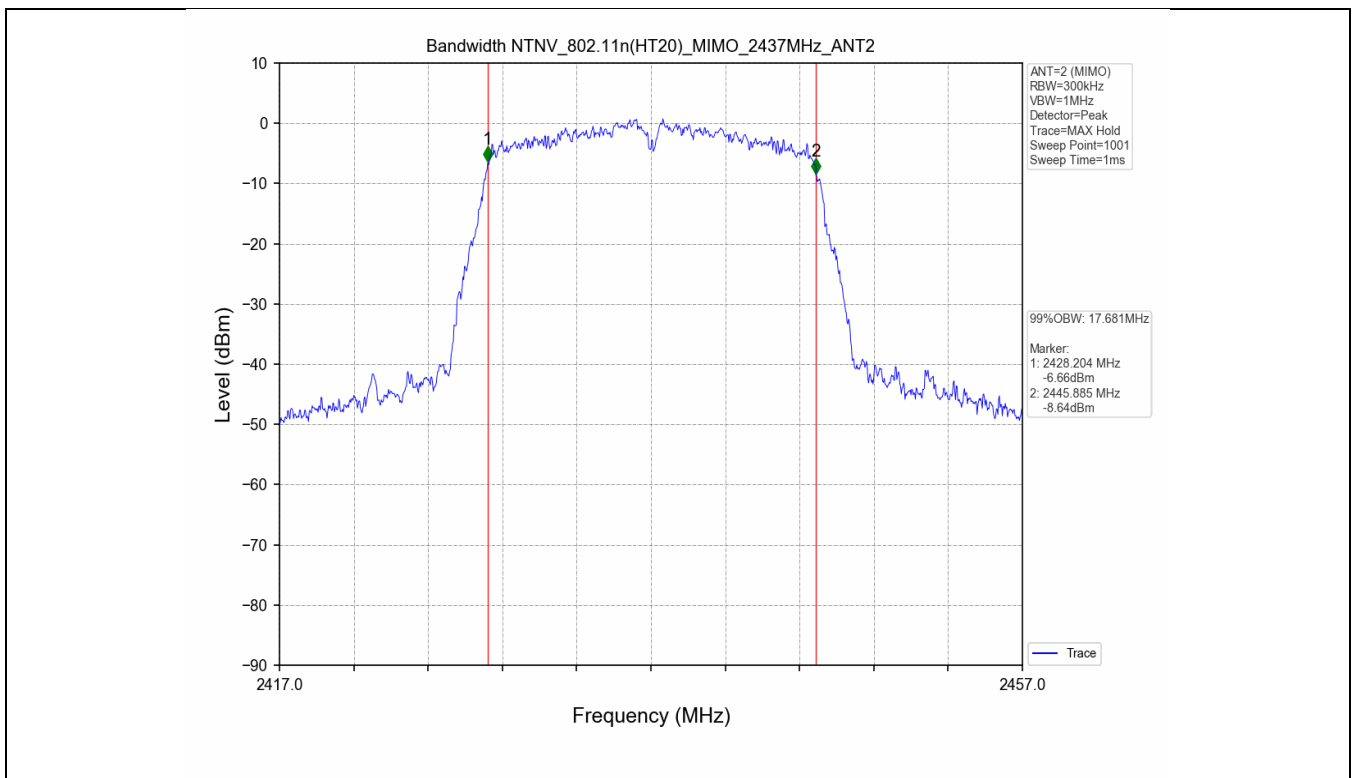
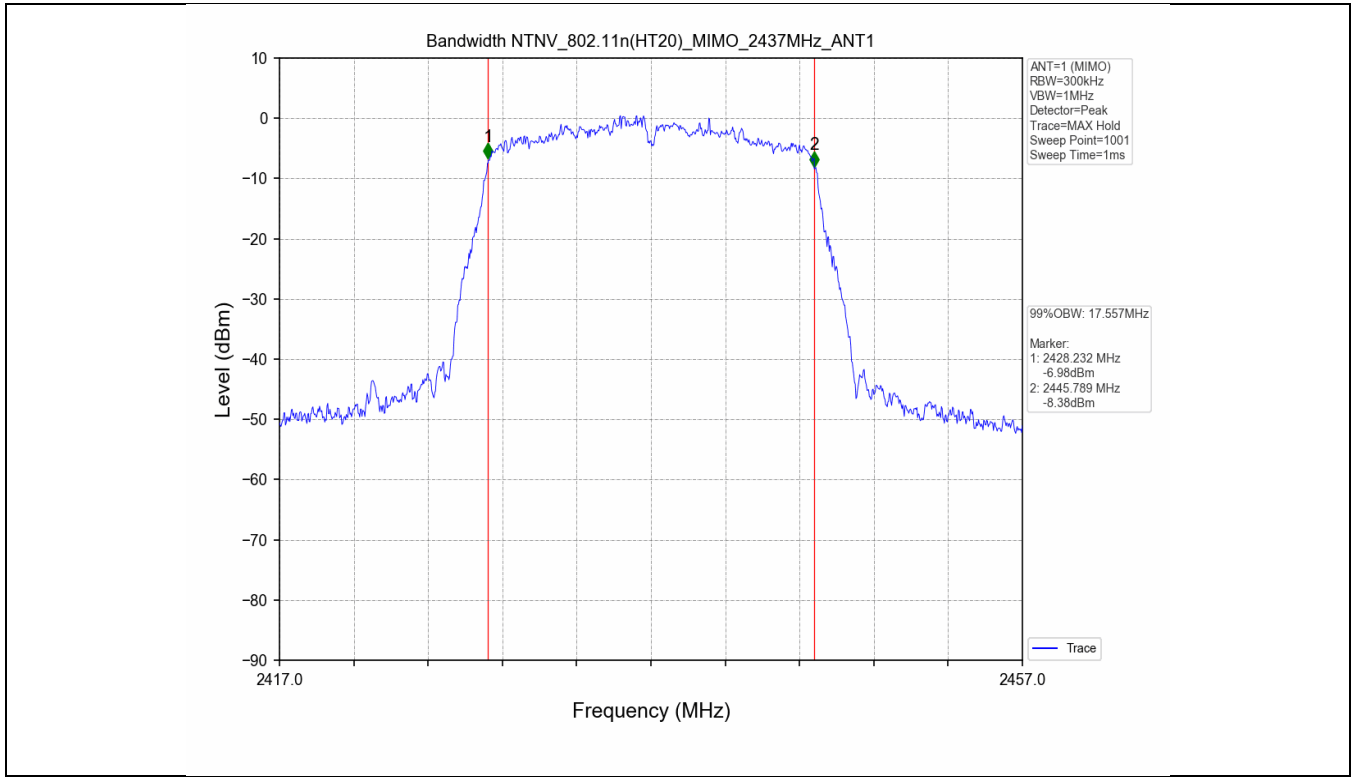


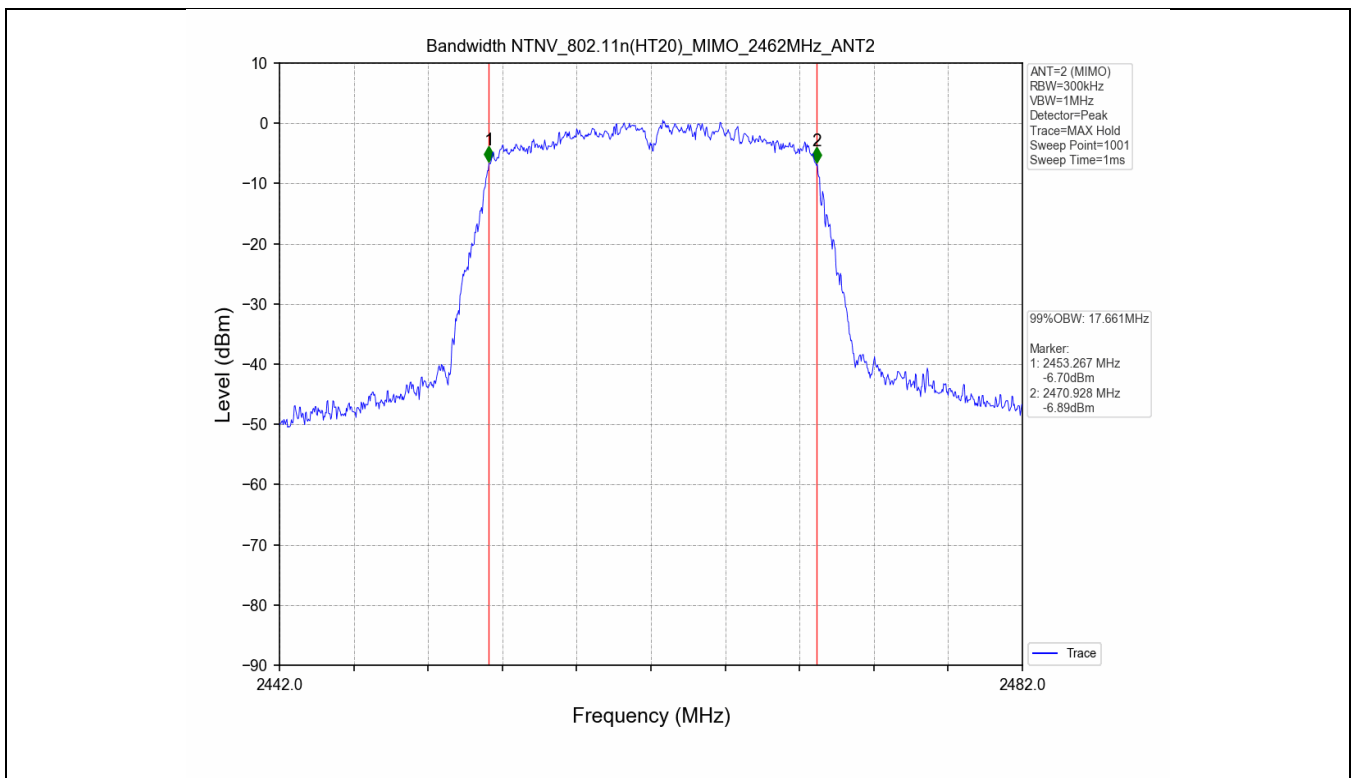
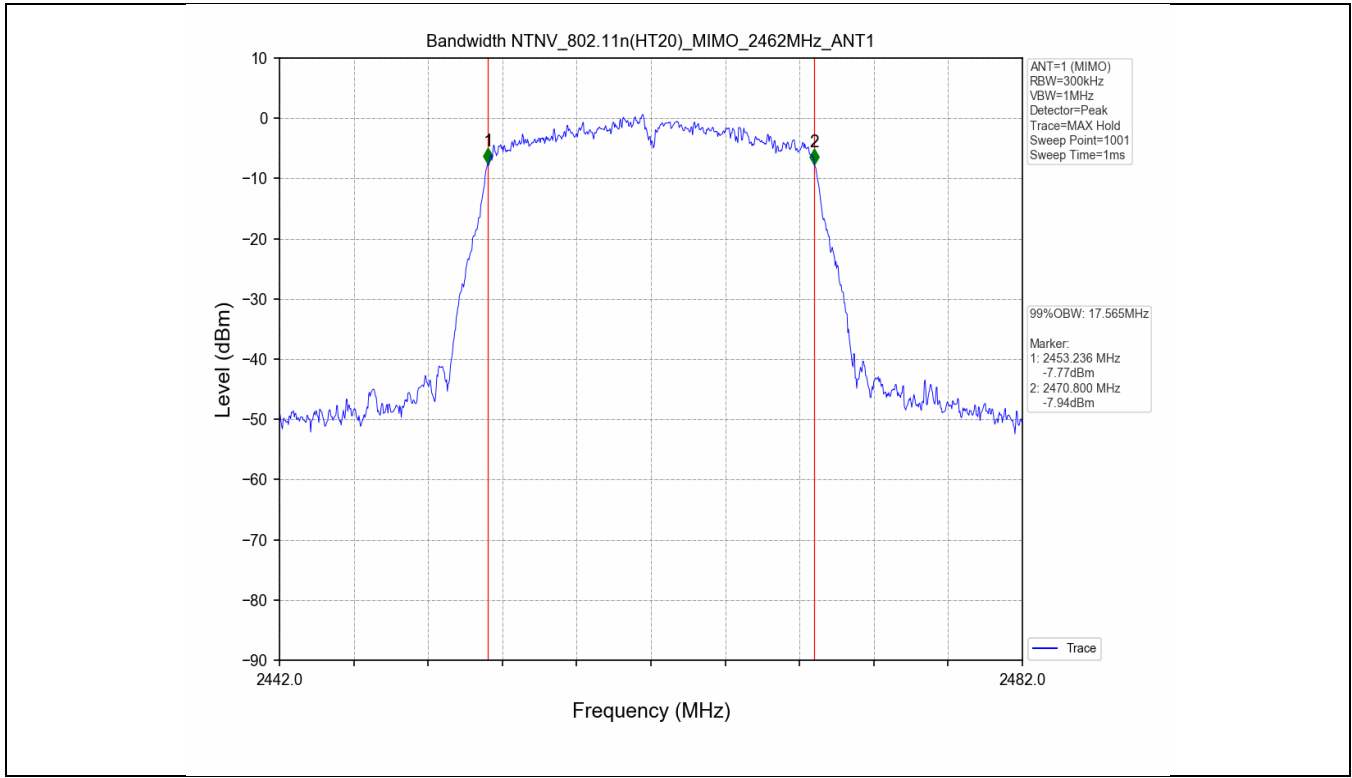














3. Maximum Conducted Output Power

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	17.88	/	30	PASS
	2437	SISO	17.36	17.46	/	30	PASS
	2462	SISO	17.61	17.53	/	30	PASS
802.11g	2412	SISO	17.64	17.99	/	30	PASS
	2437	SISO	17.36	17.79	/	30	PASS
	2462	SISO	17.47	17.64	/	30	PASS
802.11n(HT20)	2412	MIMO	15.47	15.80	18.65	30	PASS
	2437	MIMO	15.22	15.77	18.51	30	PASS
	2462	MIMO	15.32	15.63	18.49	30	PASS

3.2 Test Graph

