

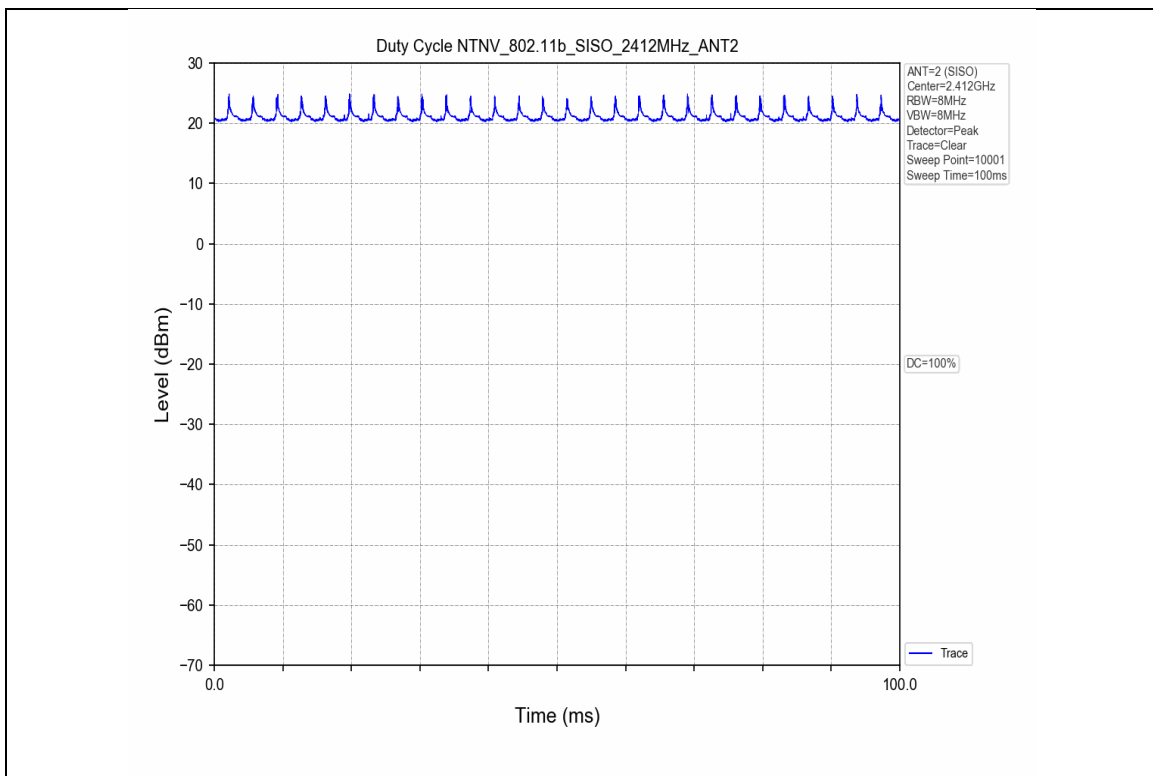
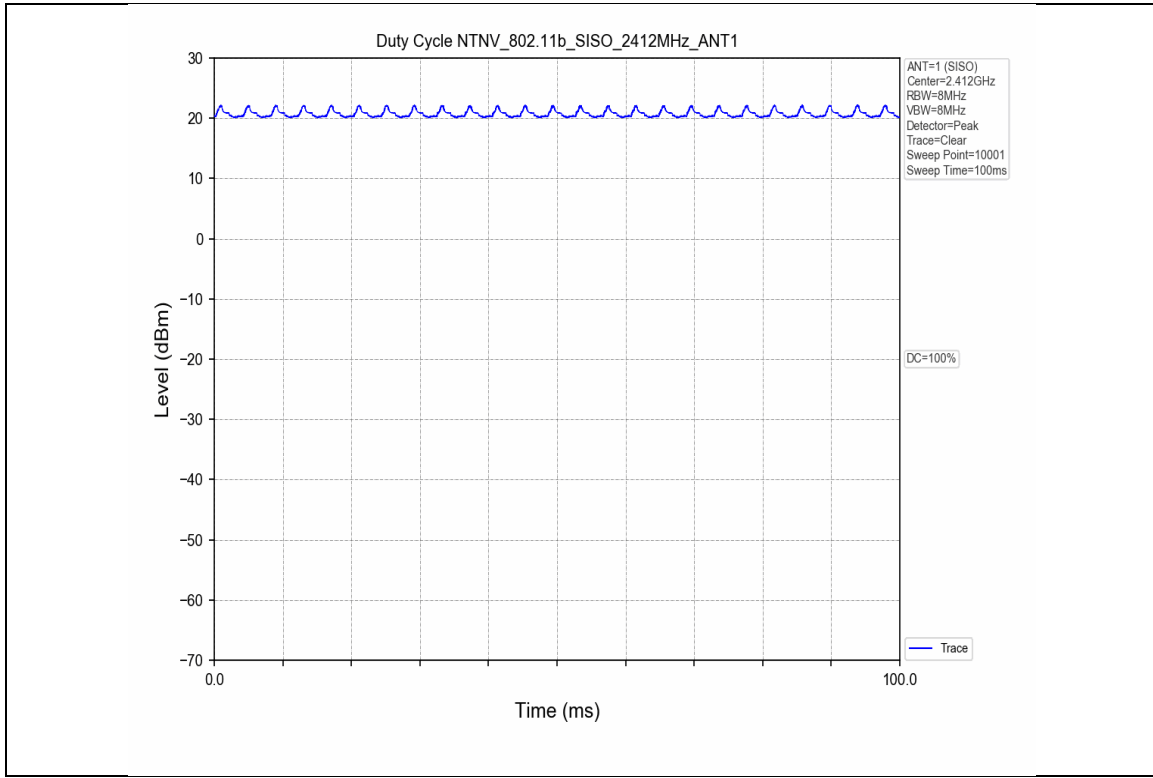
Appendix for SHEM2103001820CR

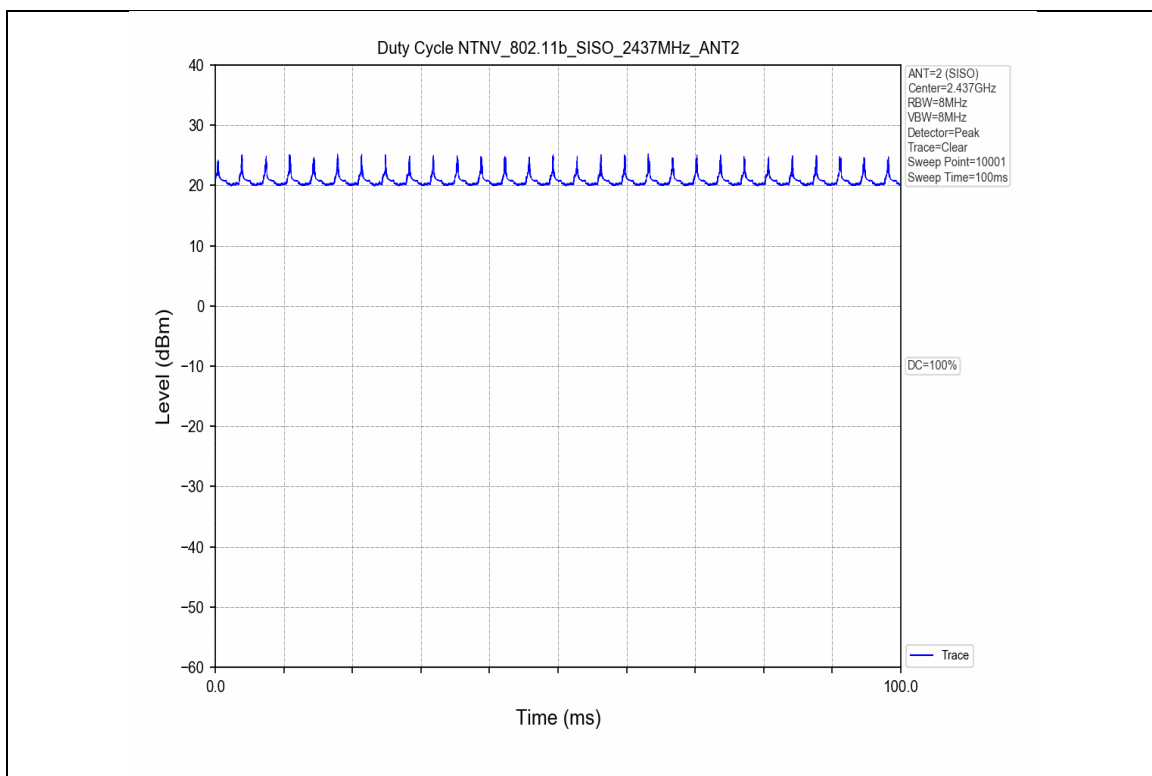
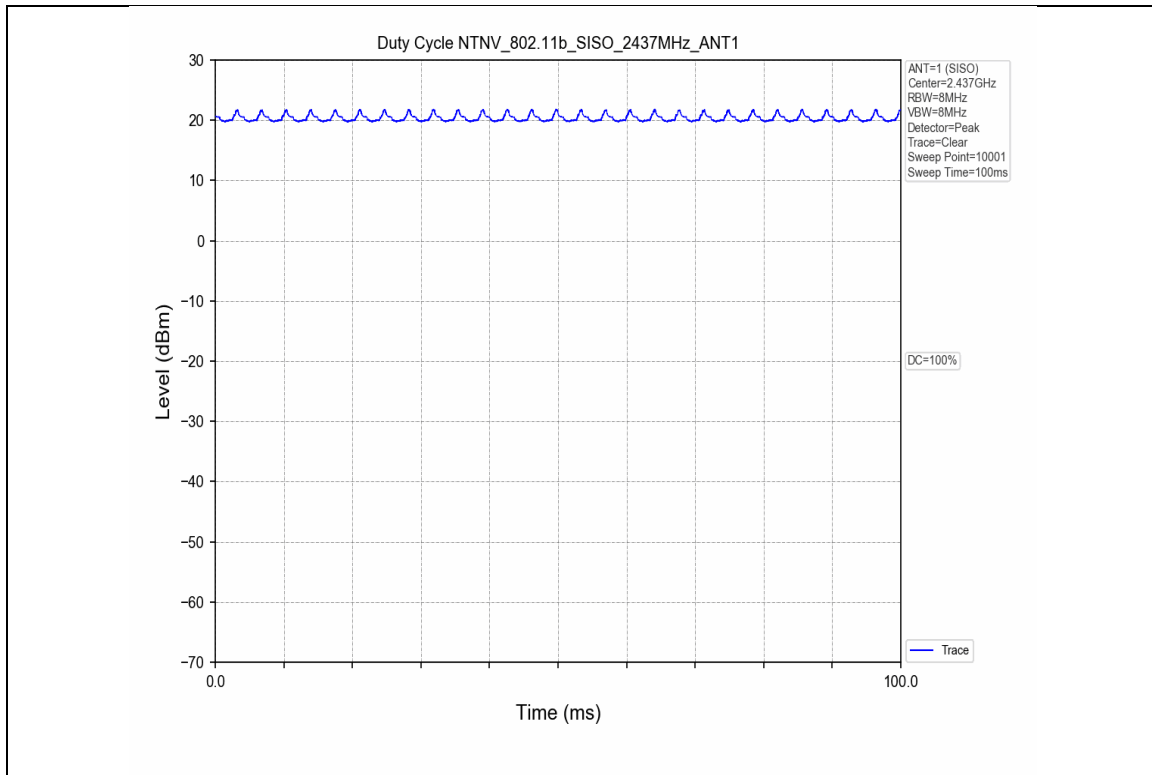
1. Duty Cycle

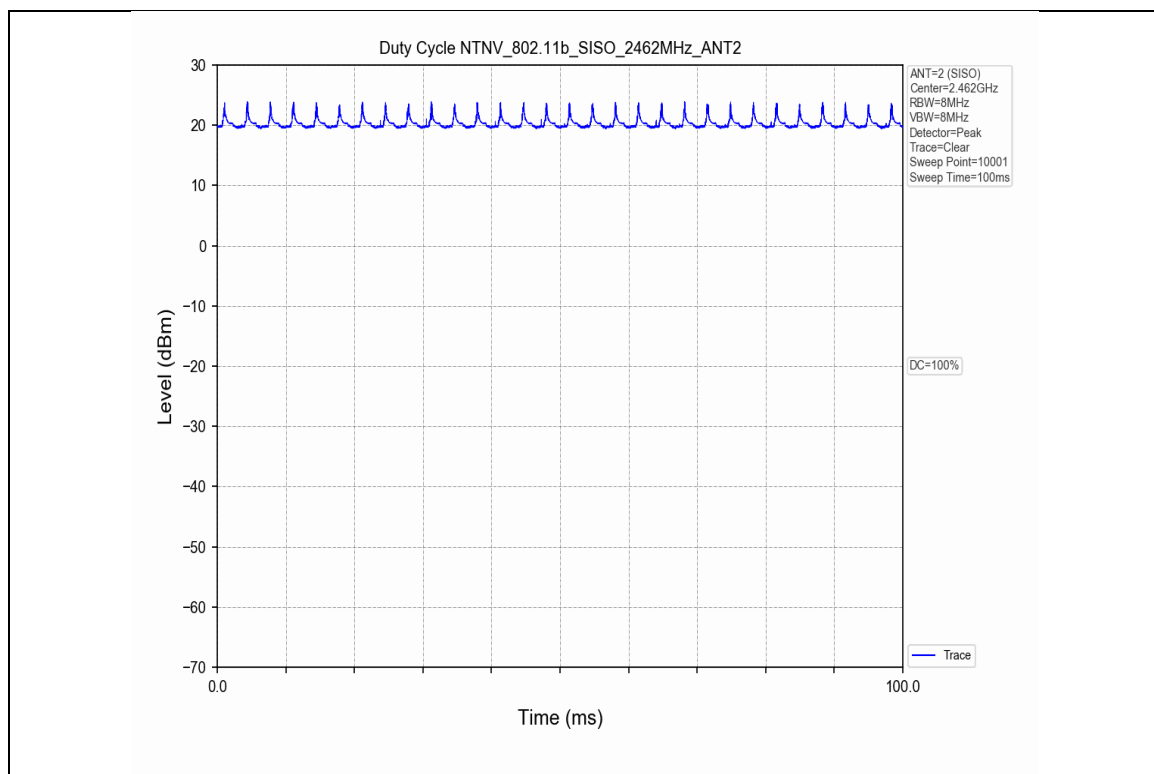
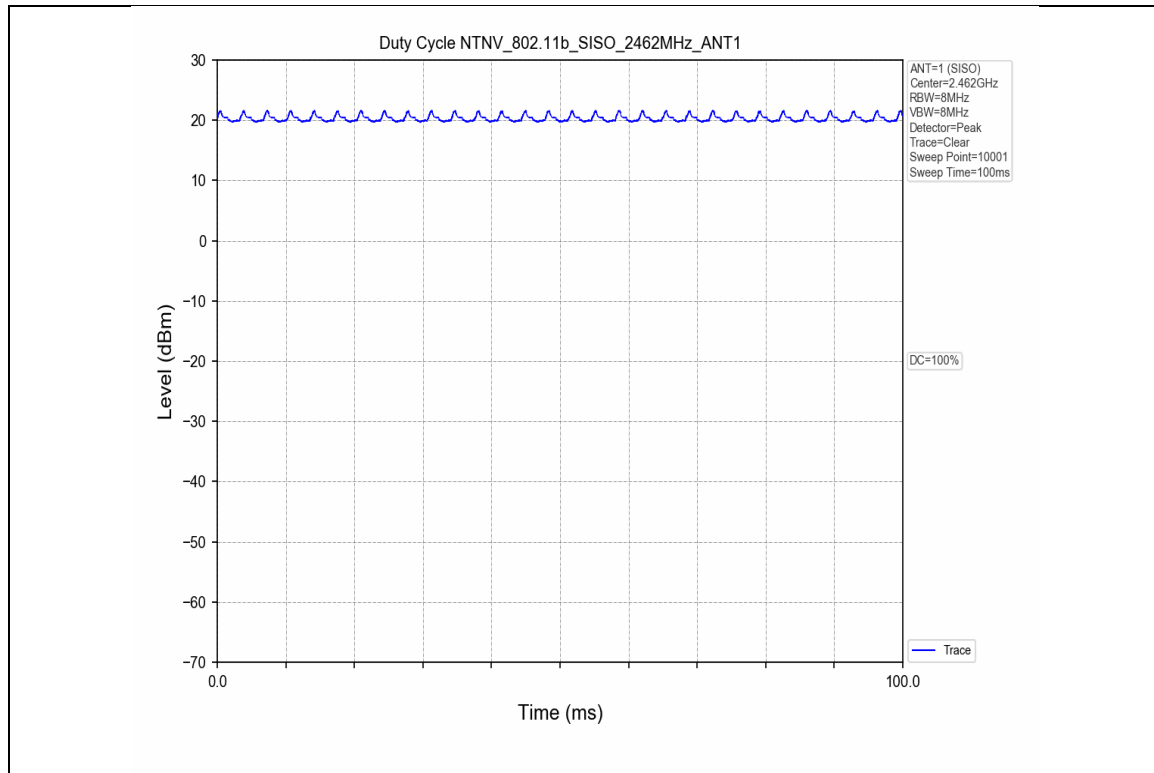
1.1 Test Result

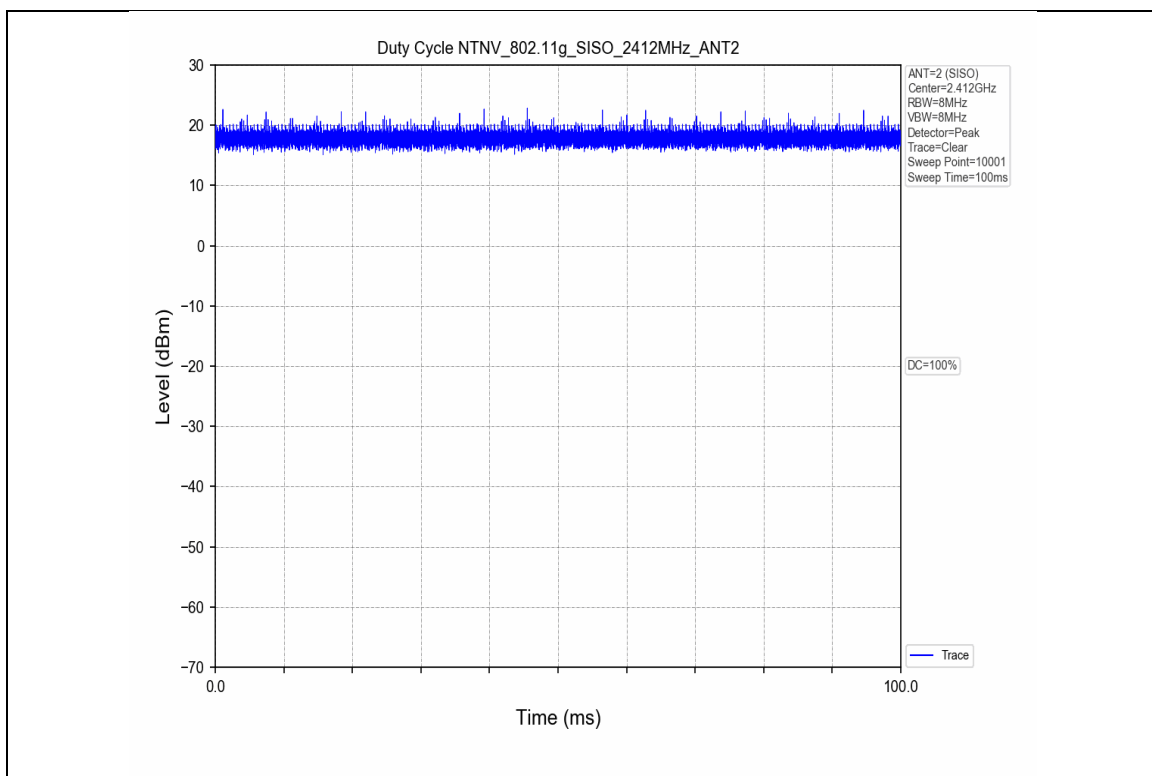
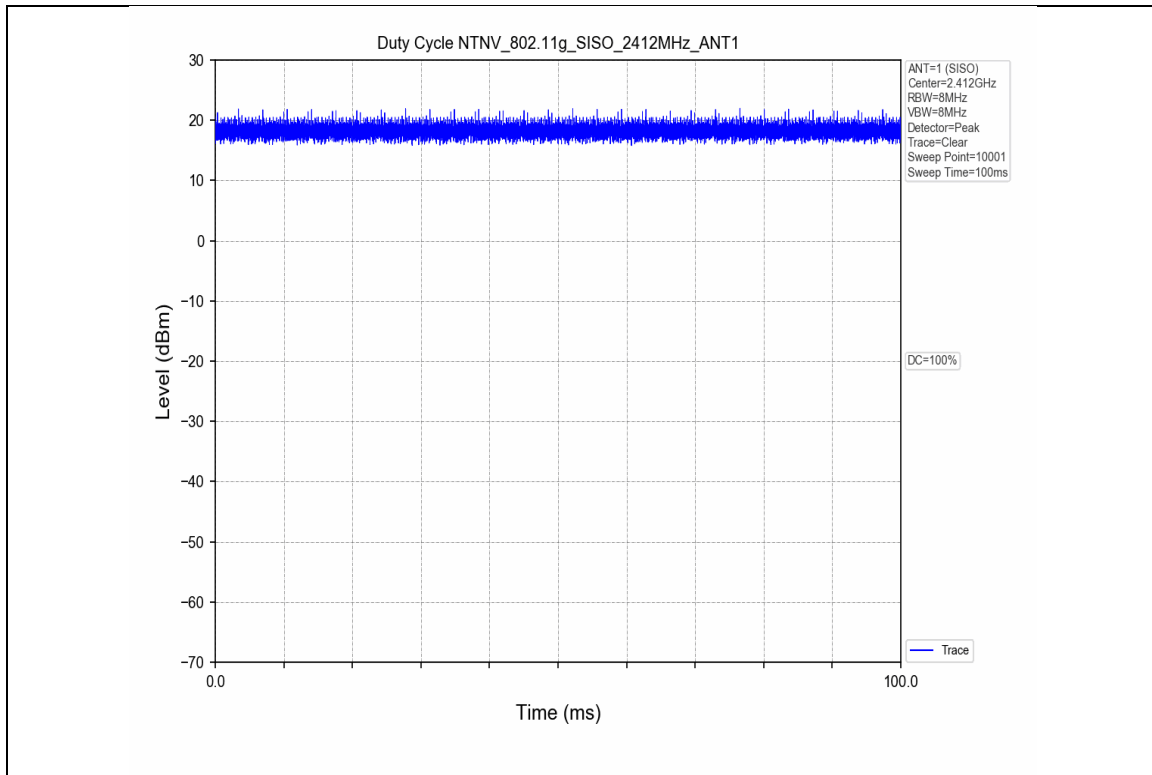
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
802.11n(HT20)	2412	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2437	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2462	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
802.11n(HT40)	2422	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2437	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00
	2452	MIMO	1	100.000	100.000	100.00	0.00
			2	100.000	100.000	100.00	0.00

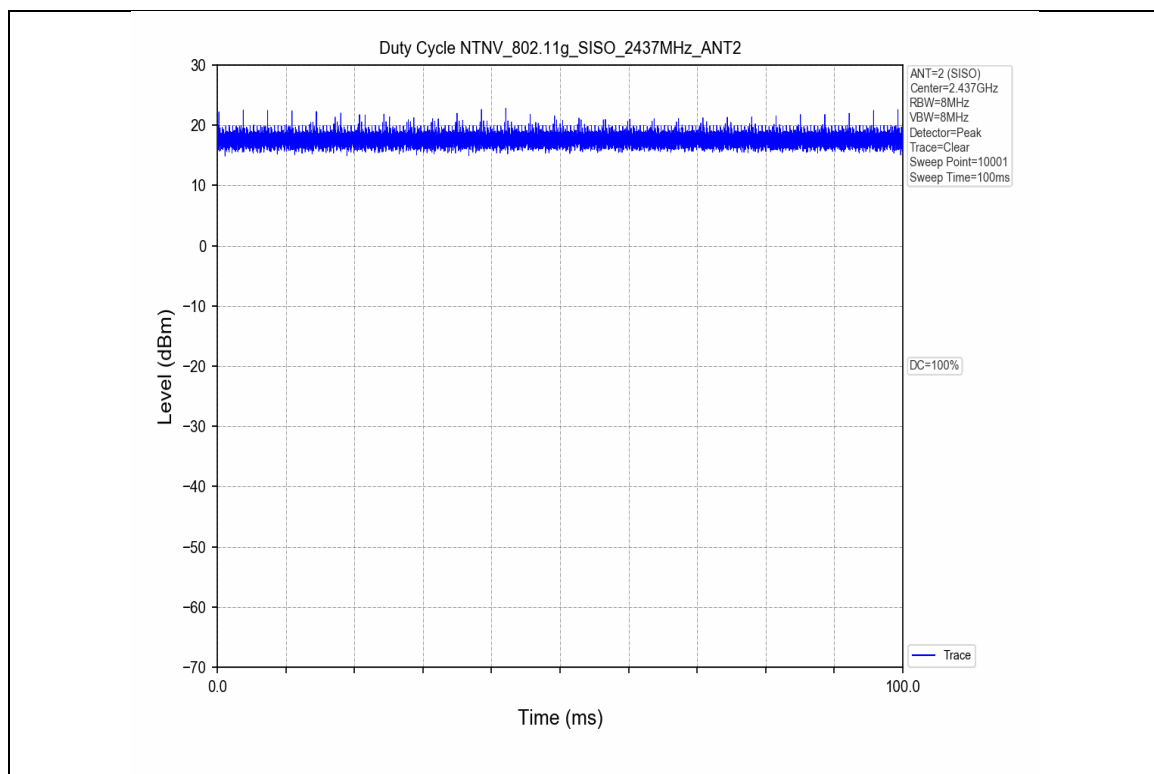
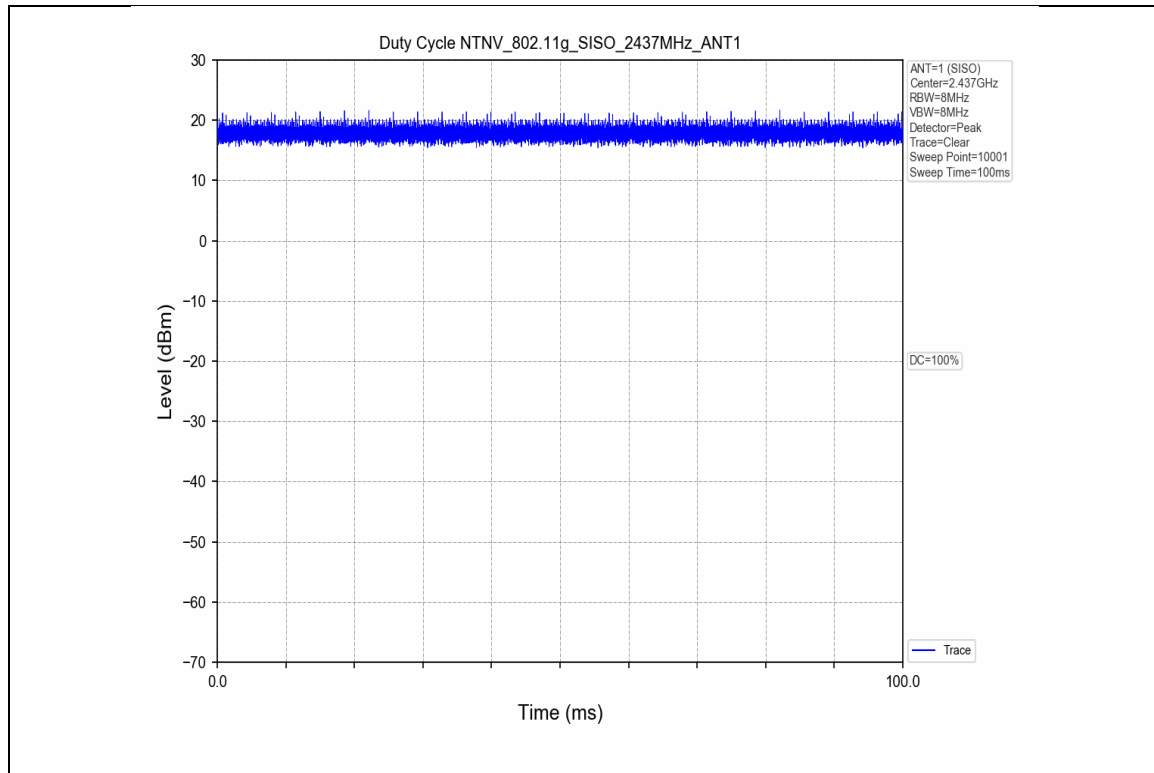
1.2 Test Graph

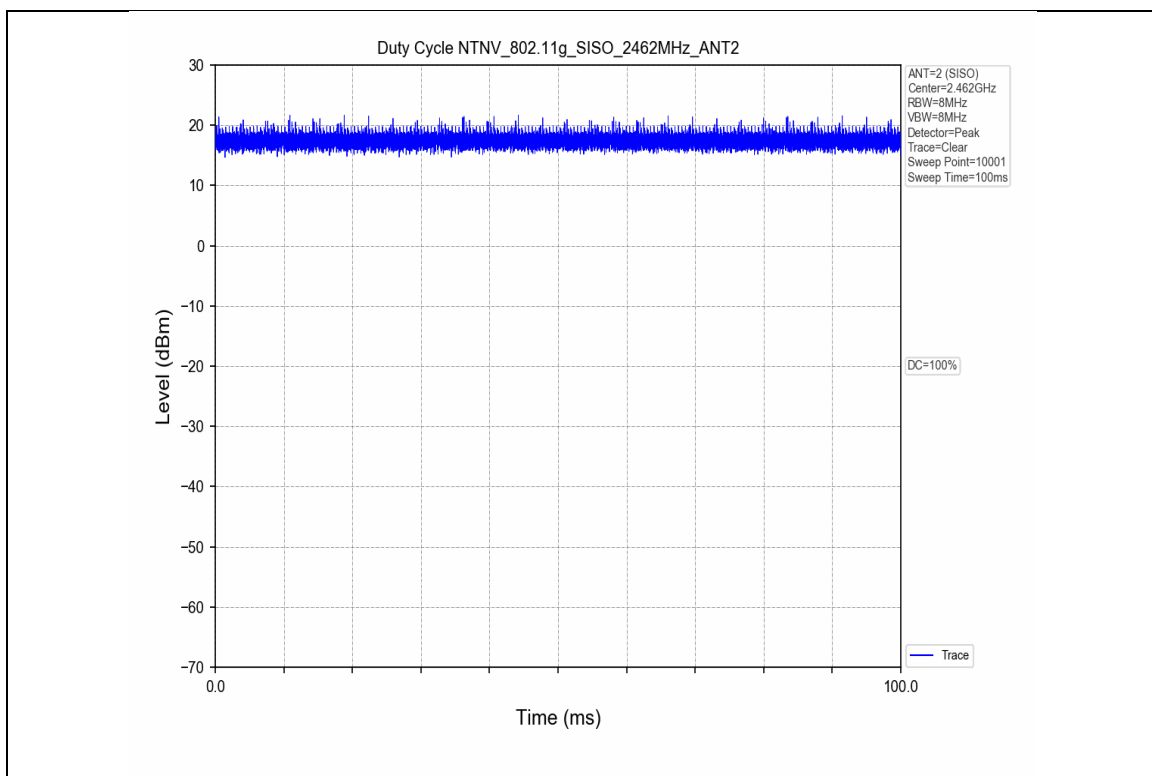
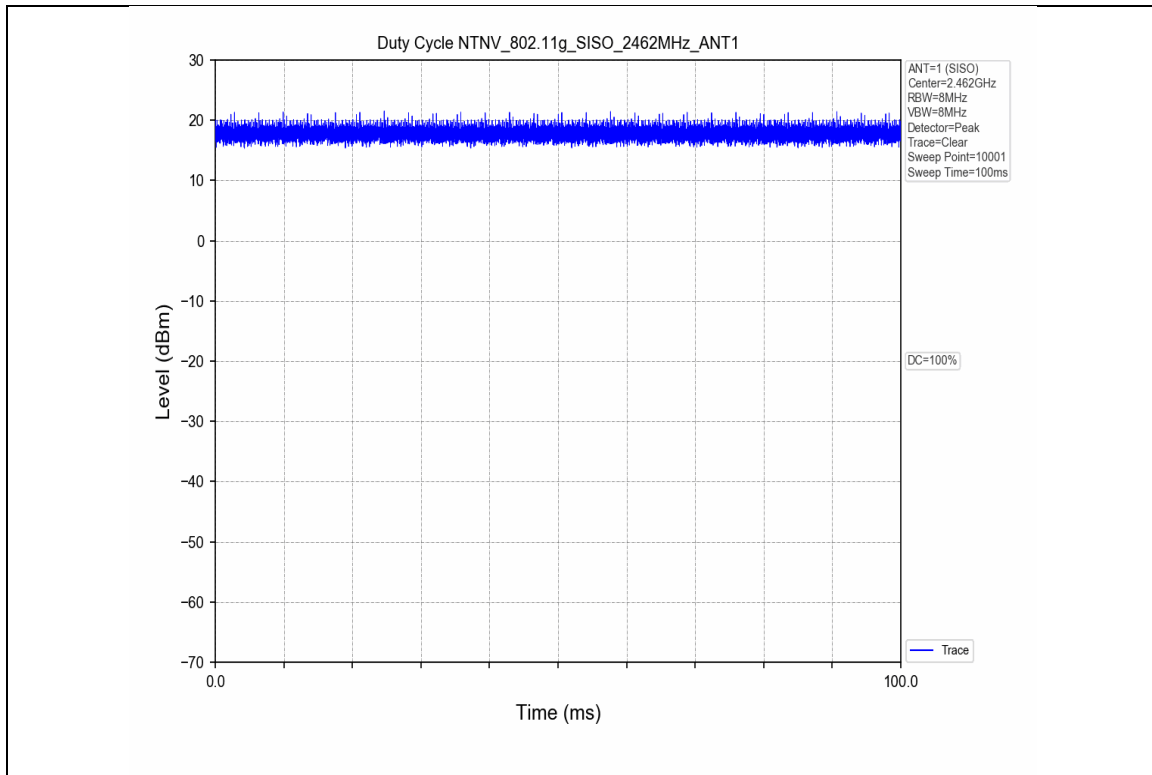


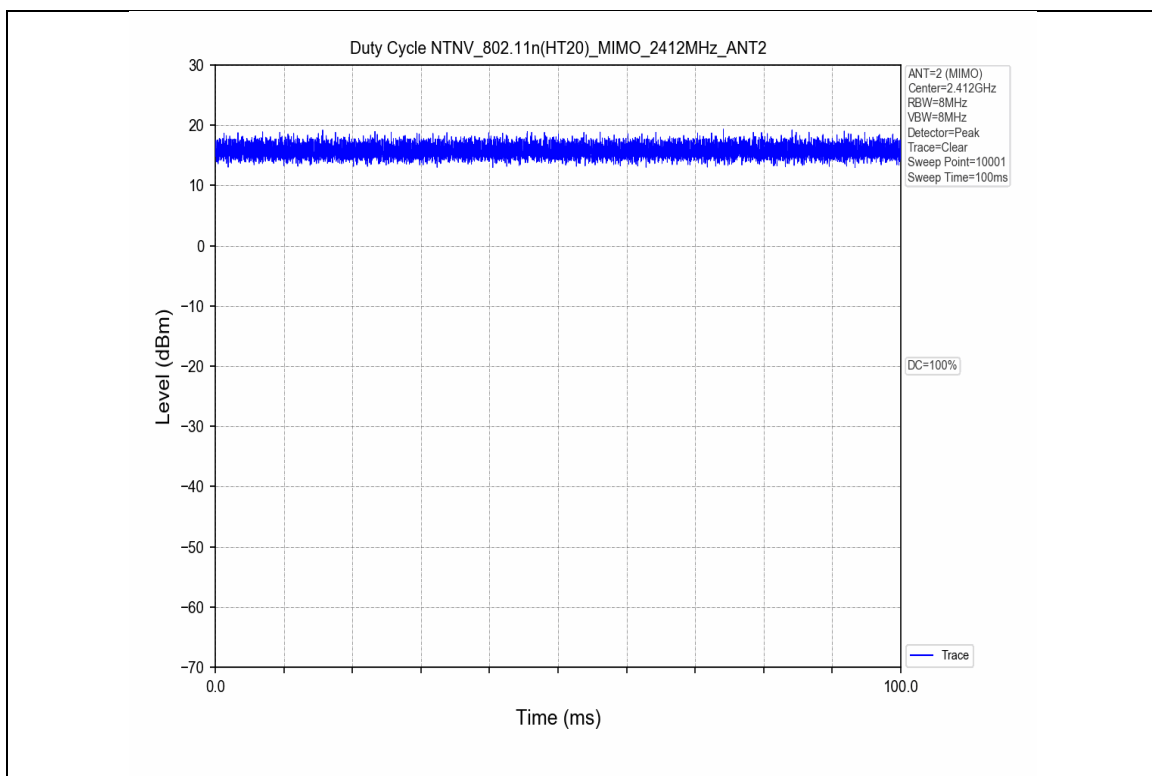
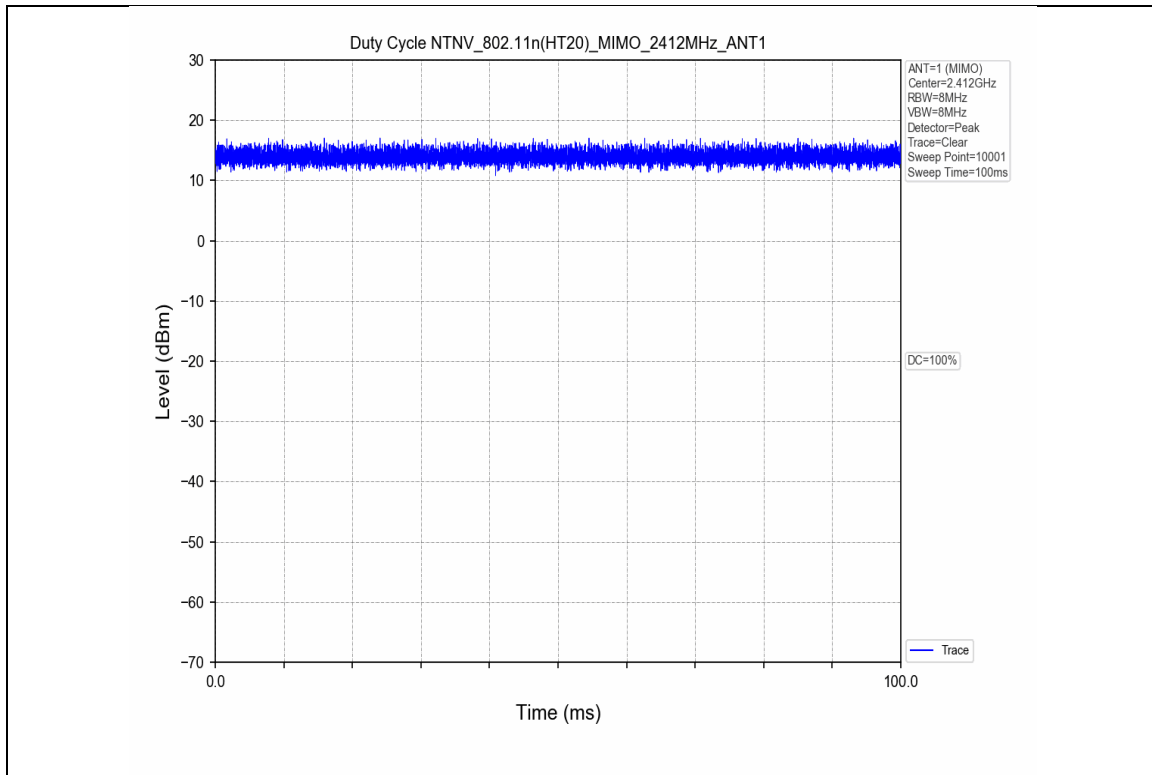


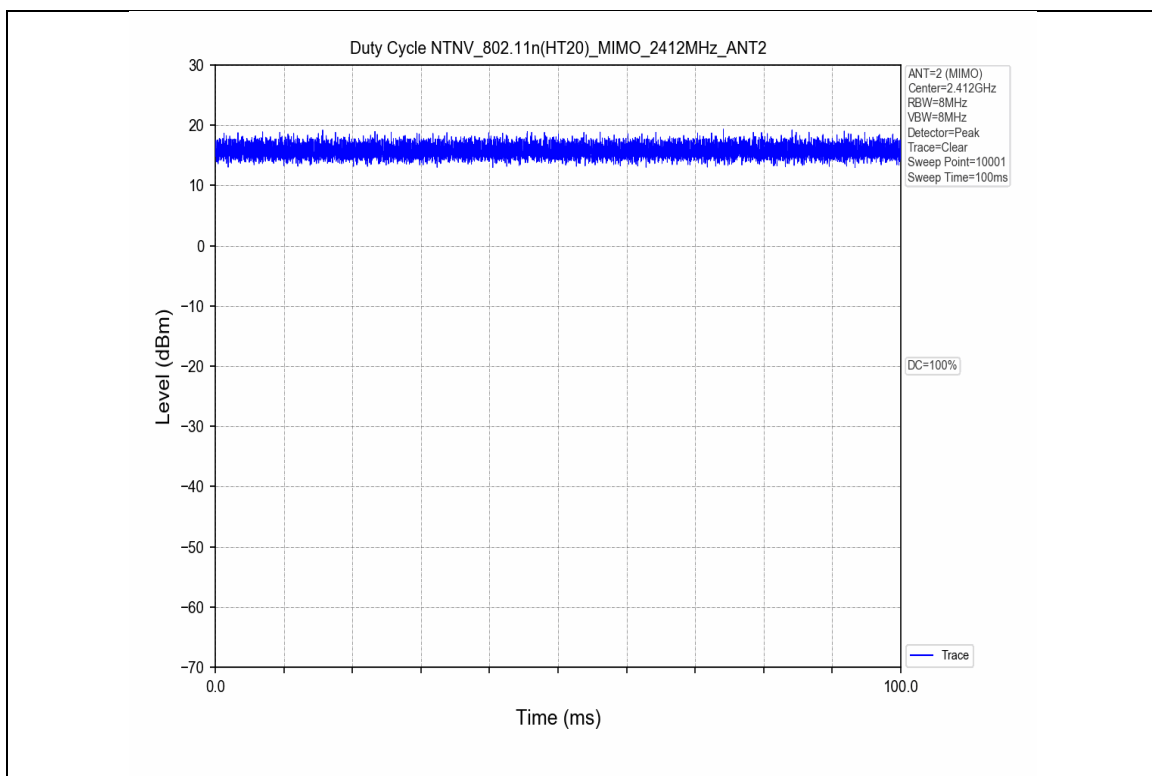
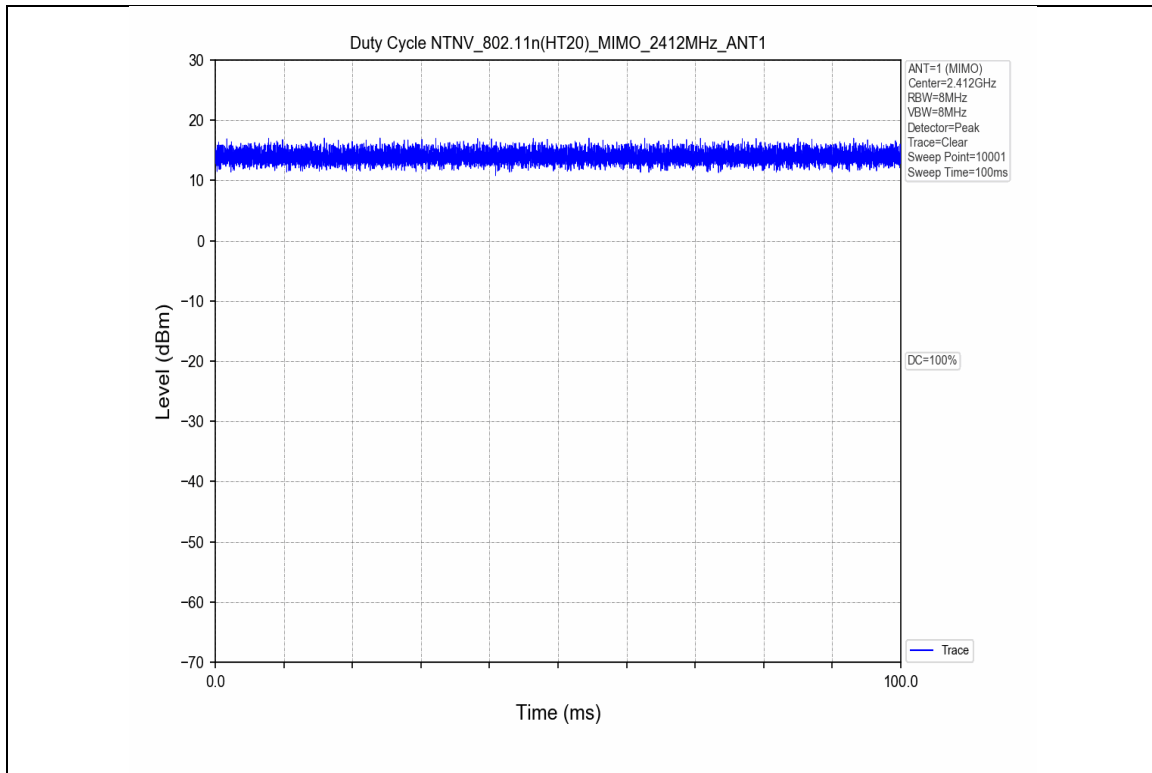


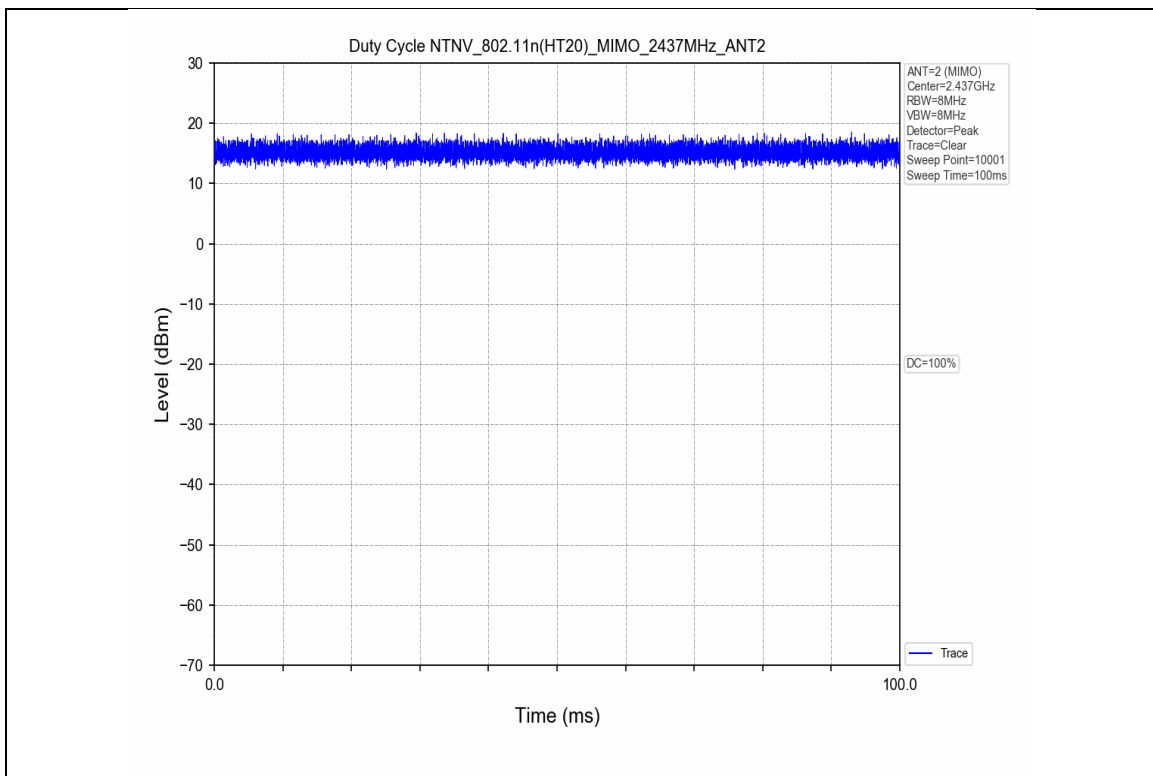
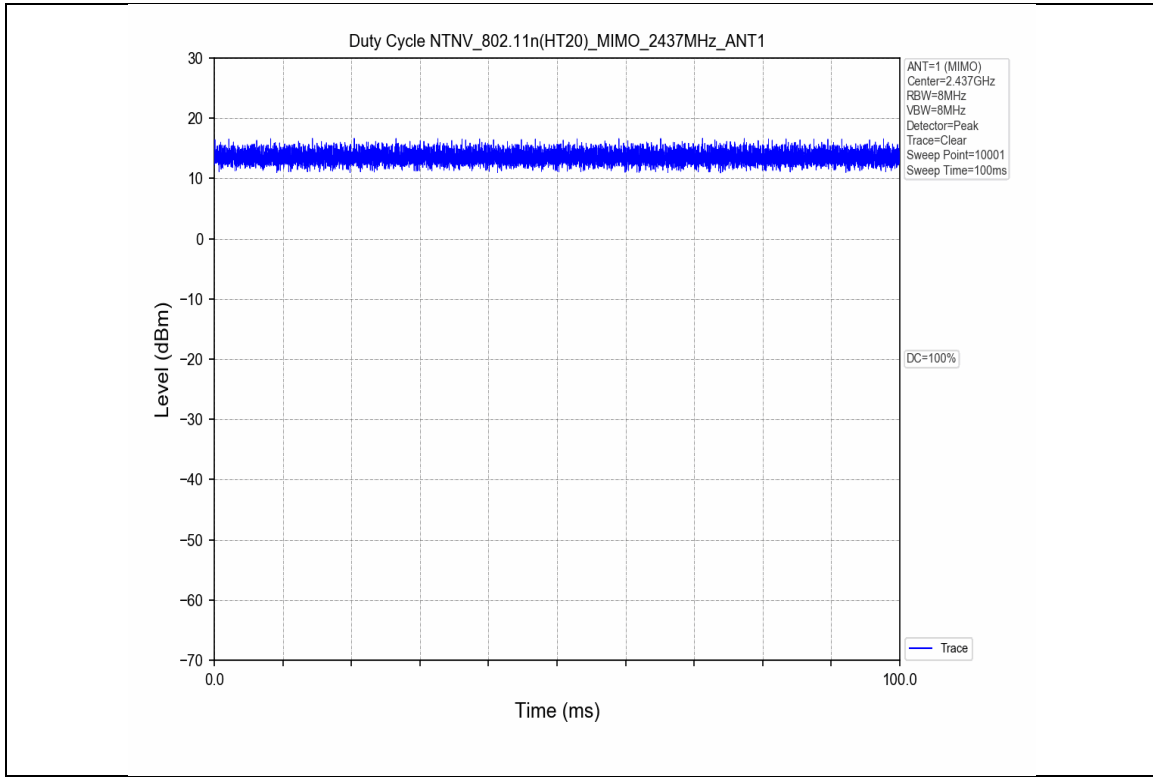


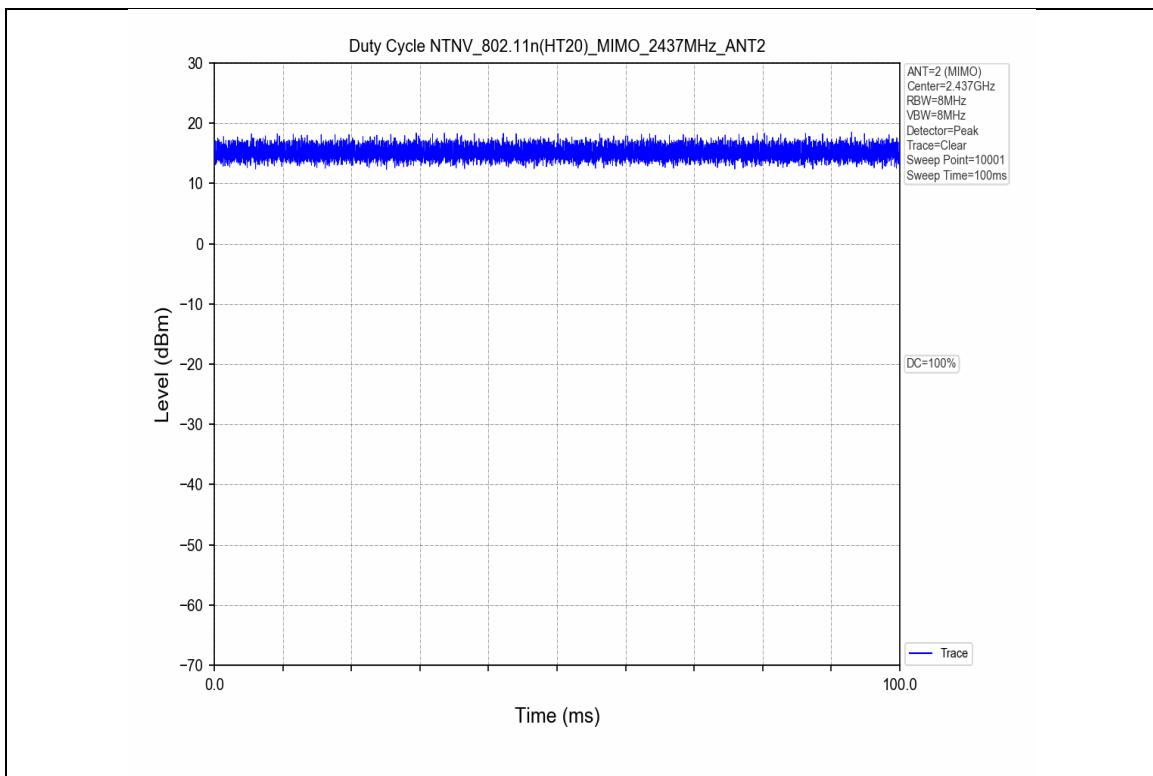
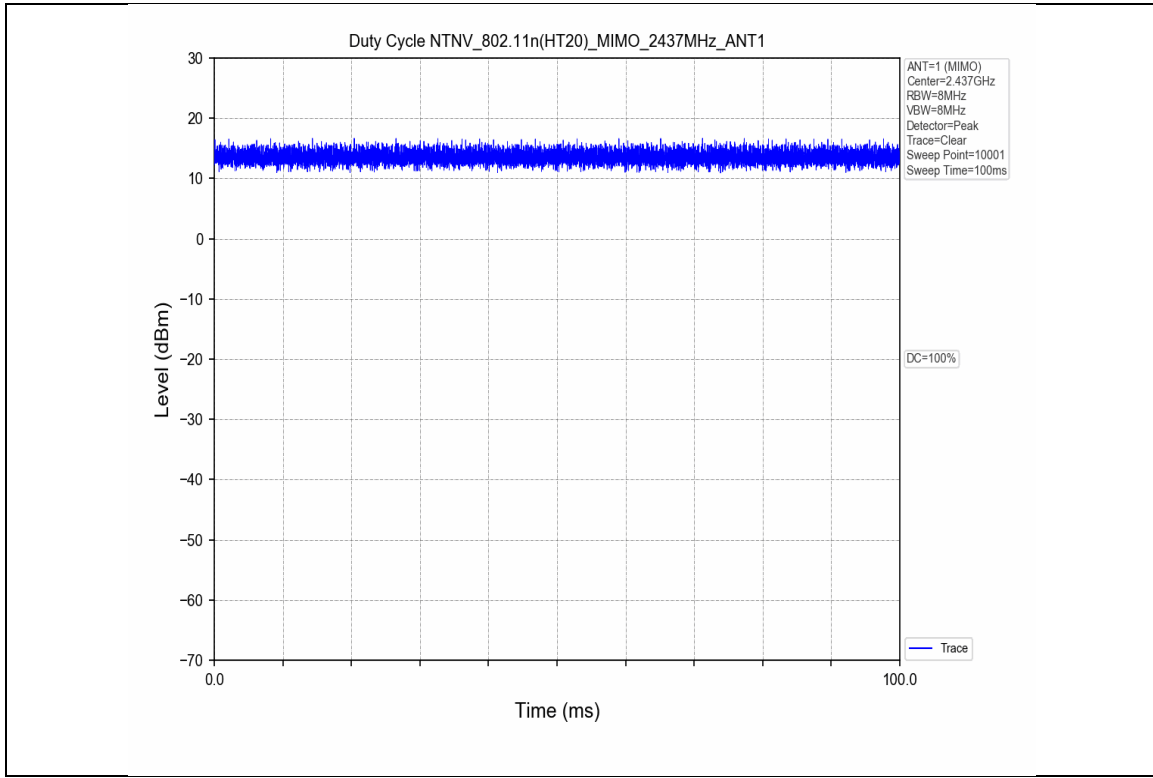


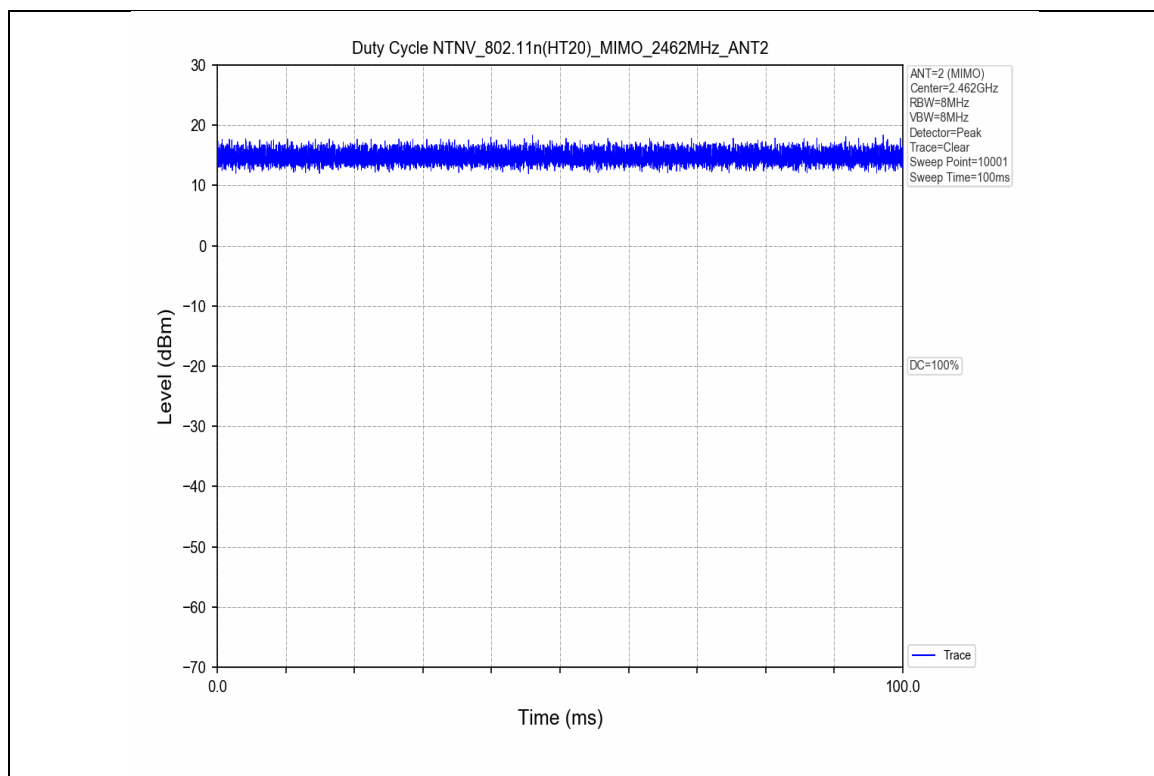
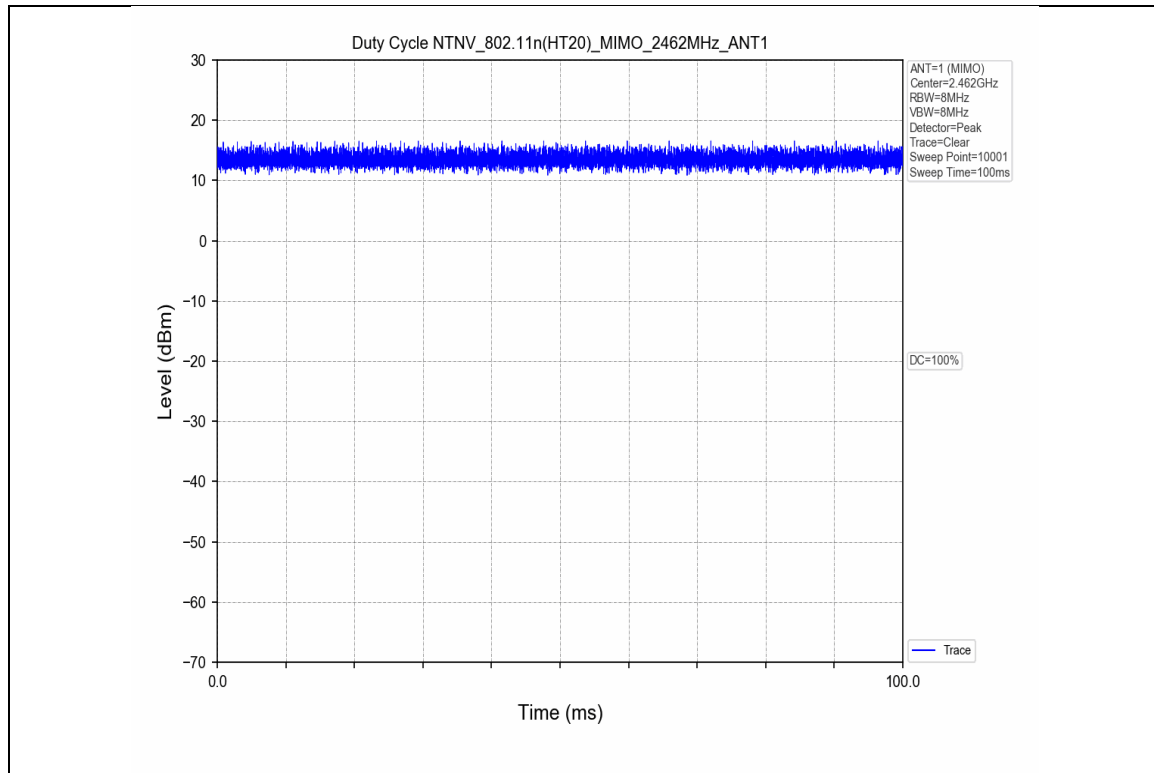


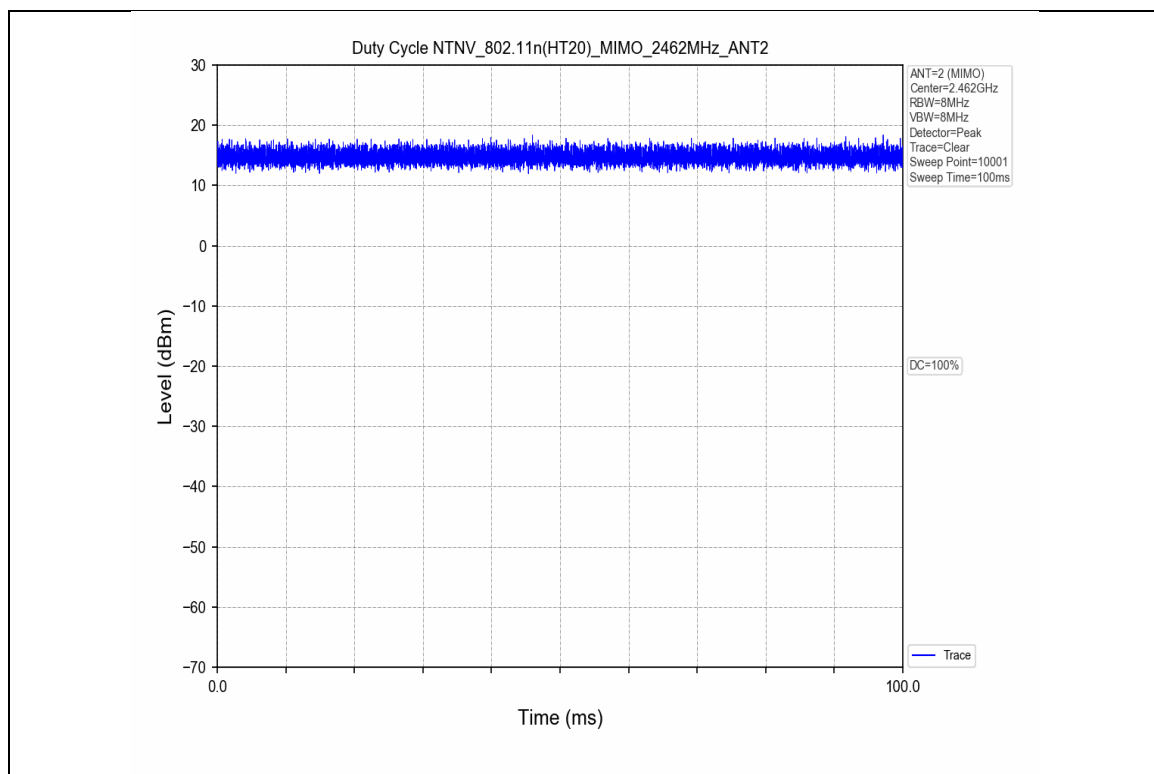
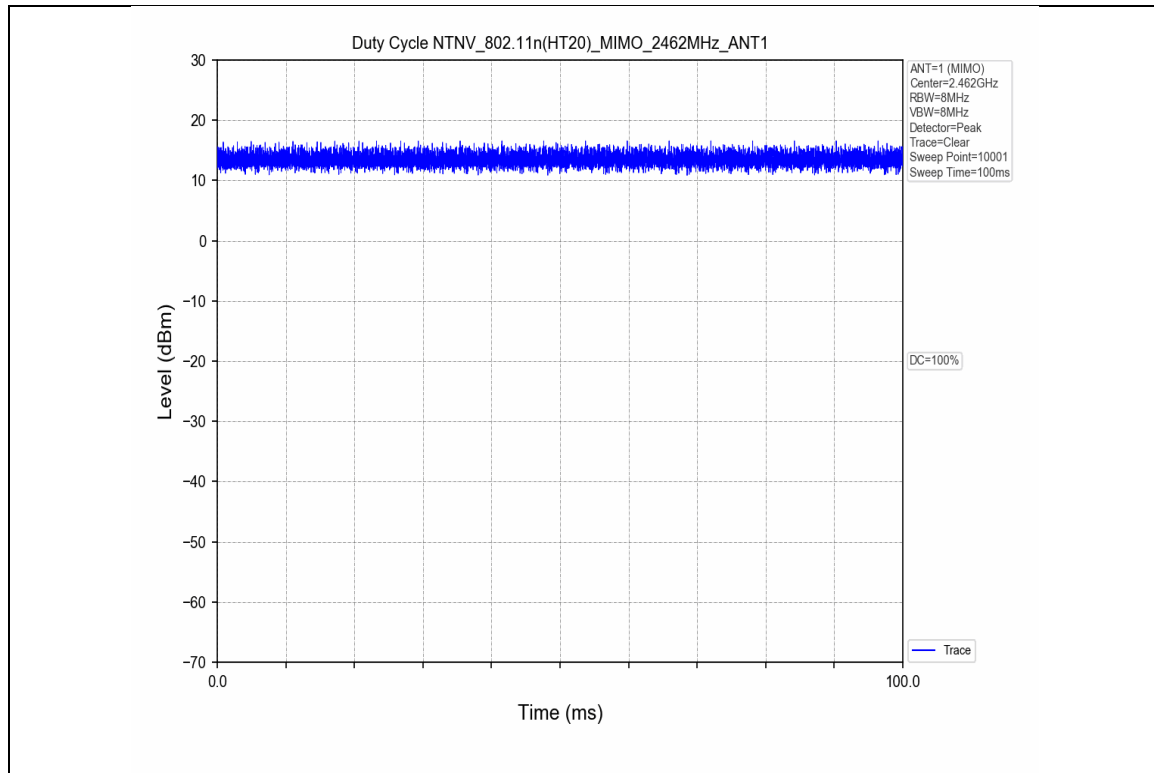


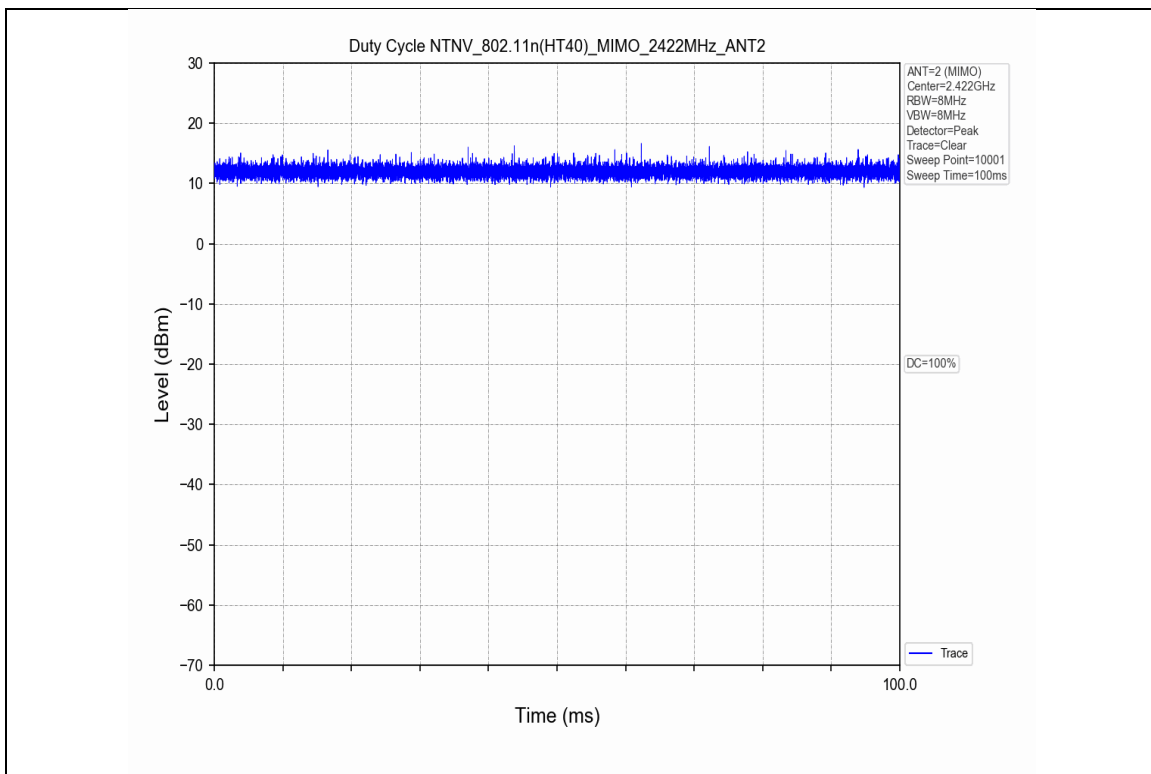
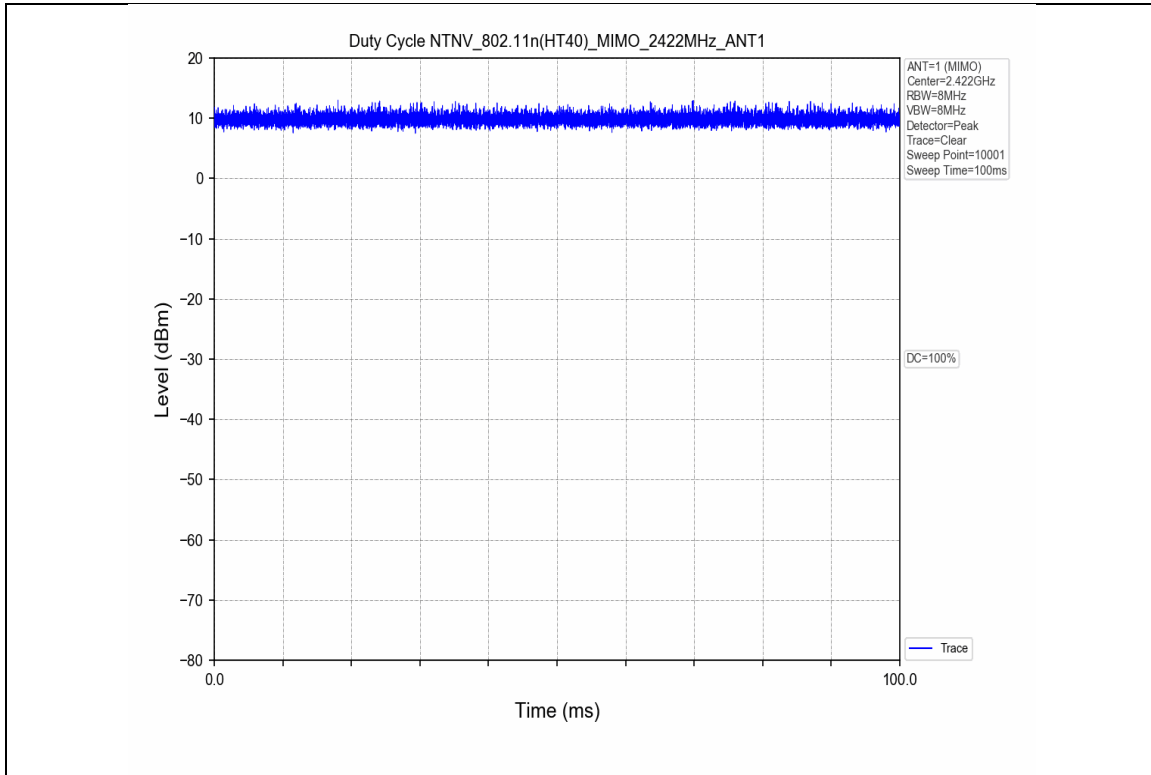


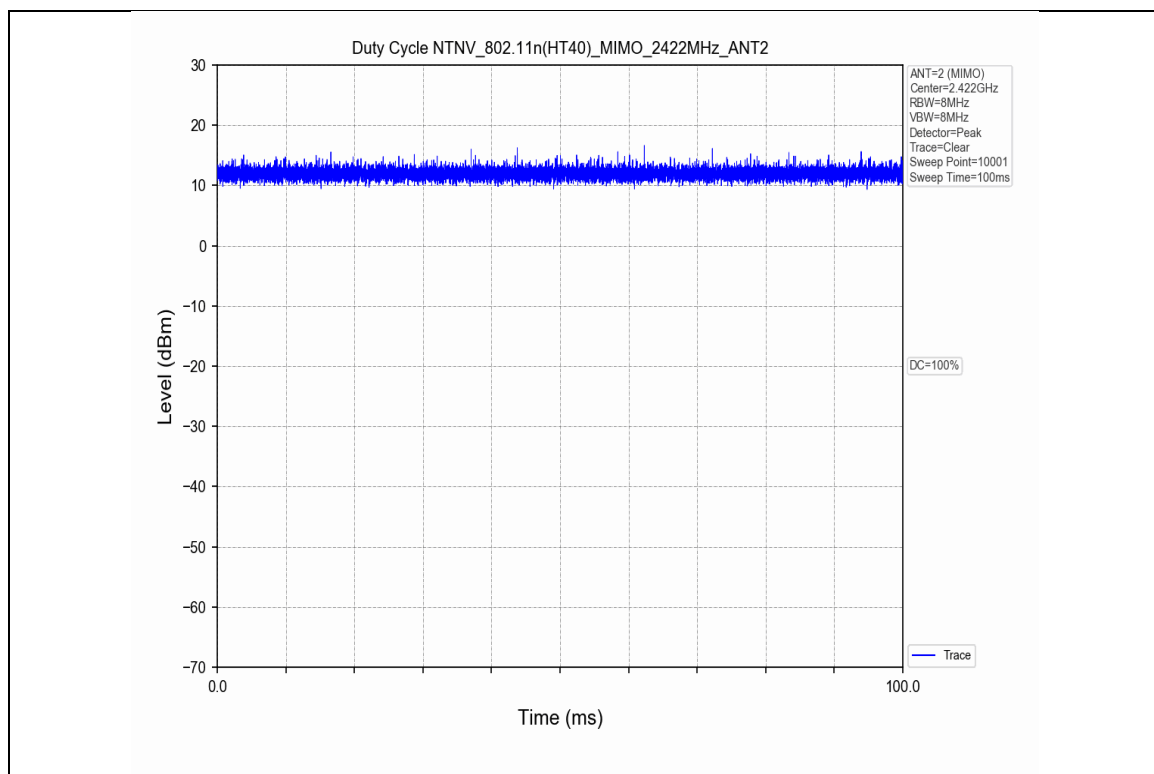
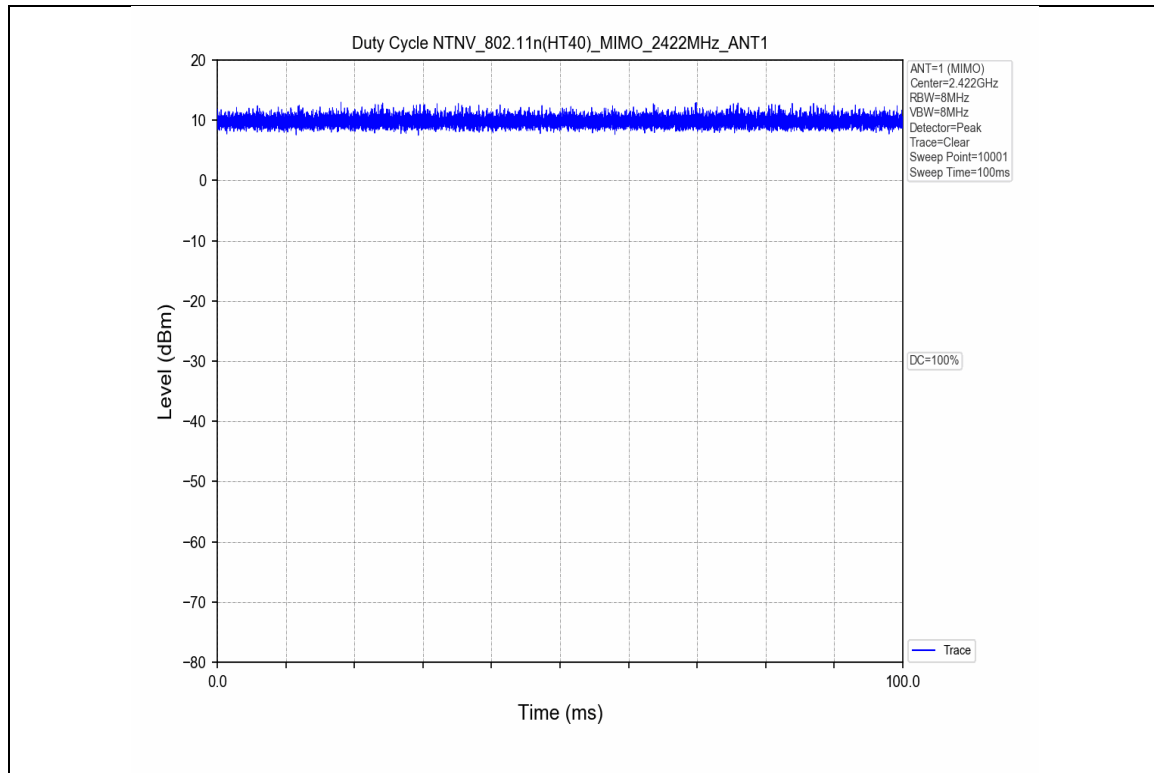


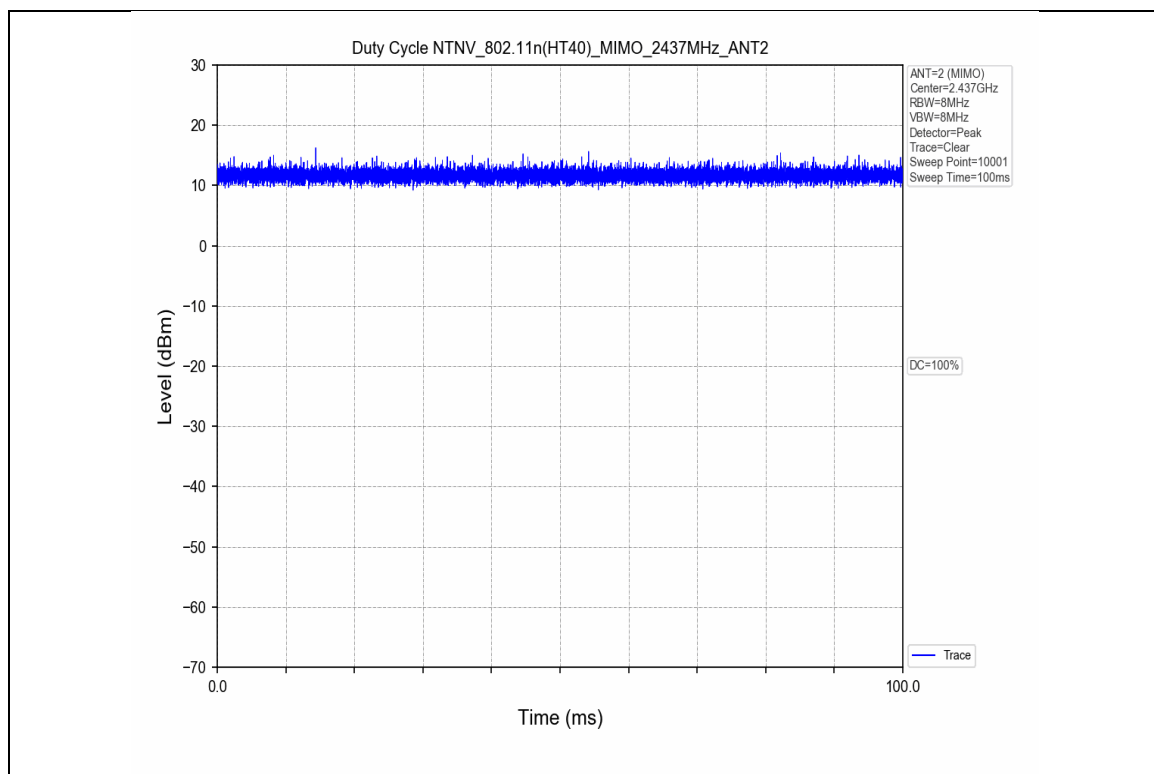
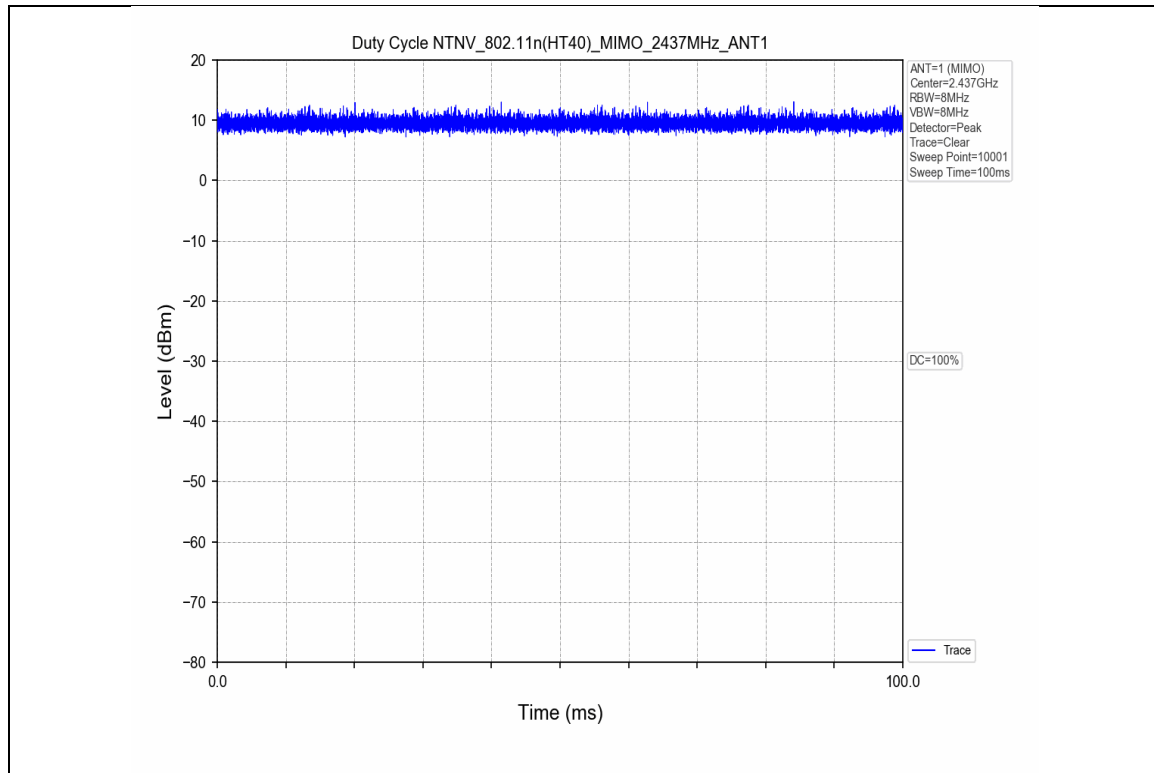


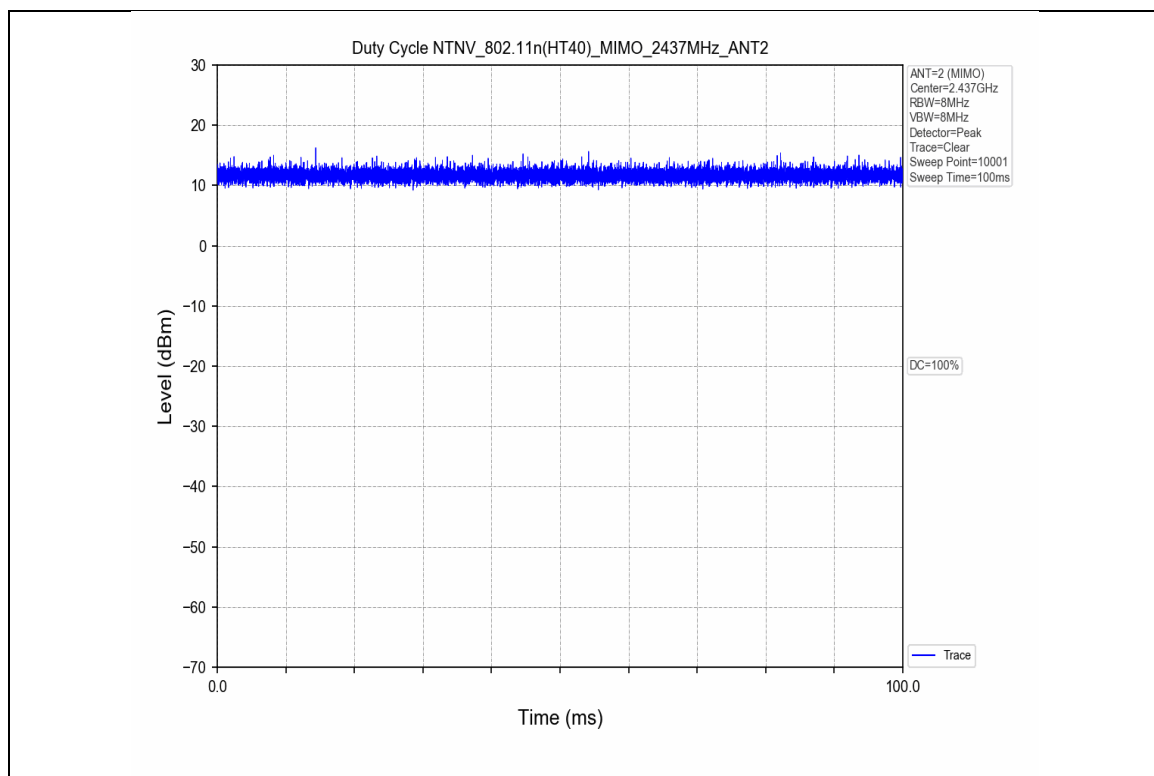
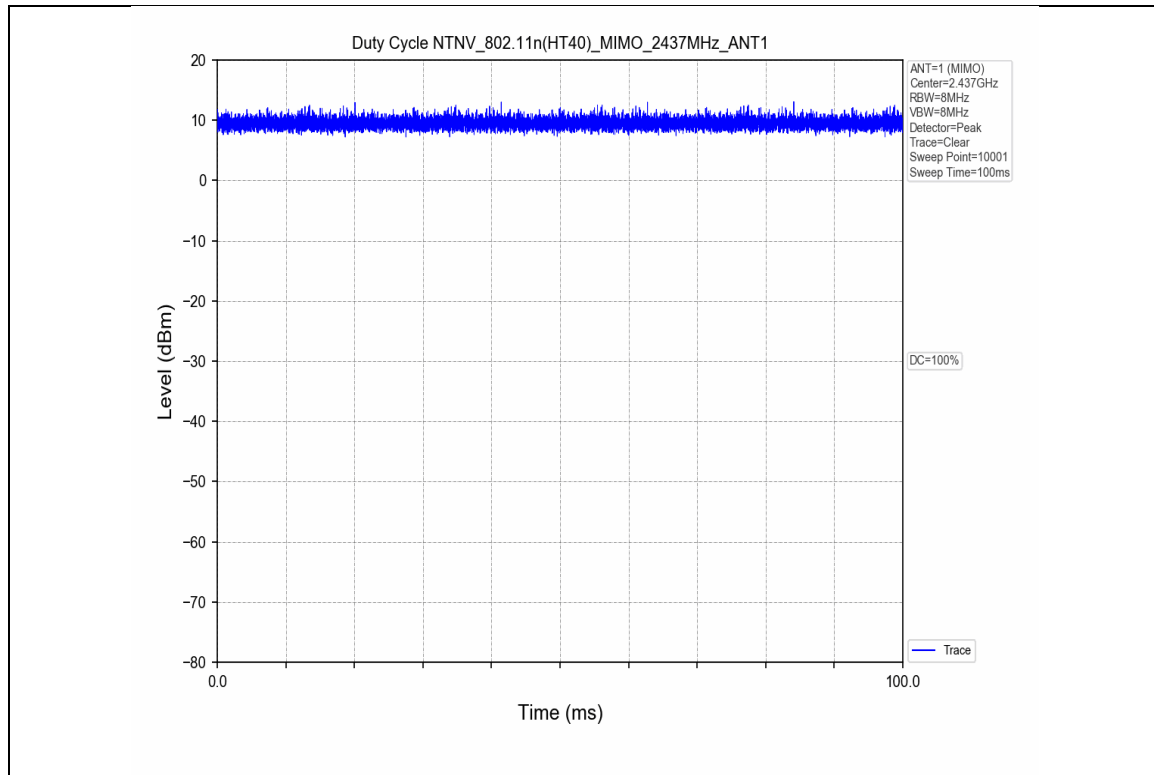


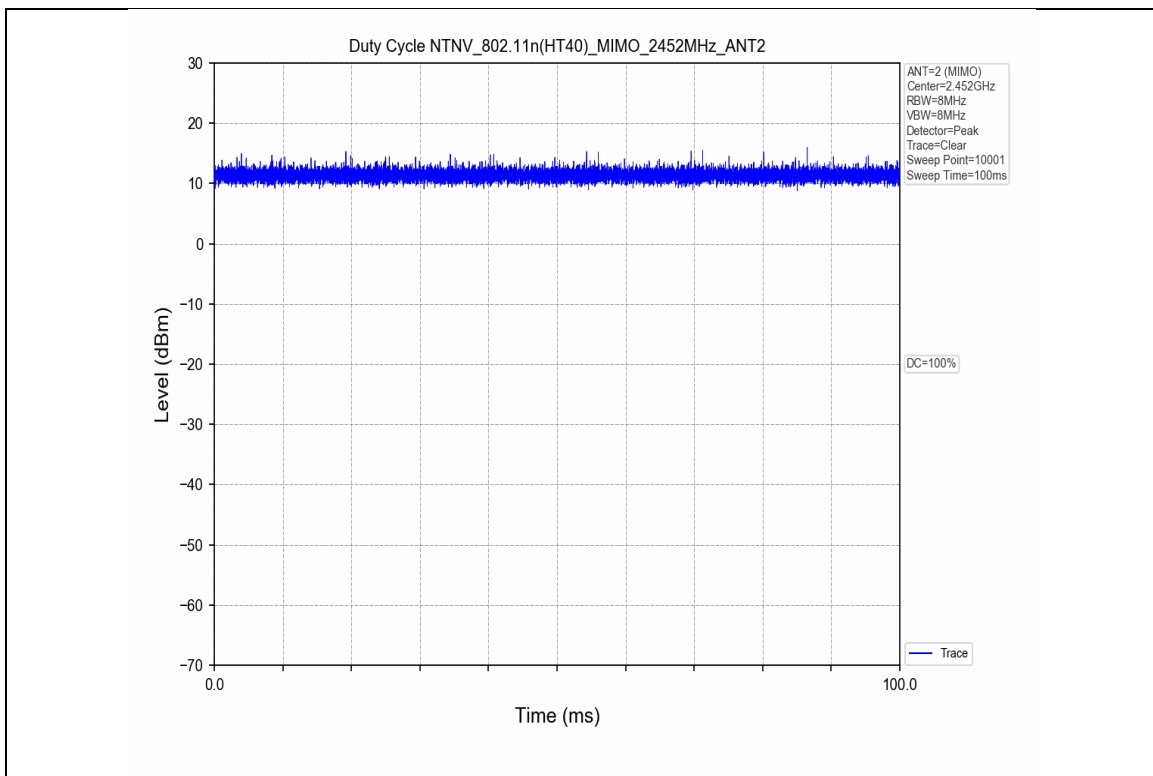
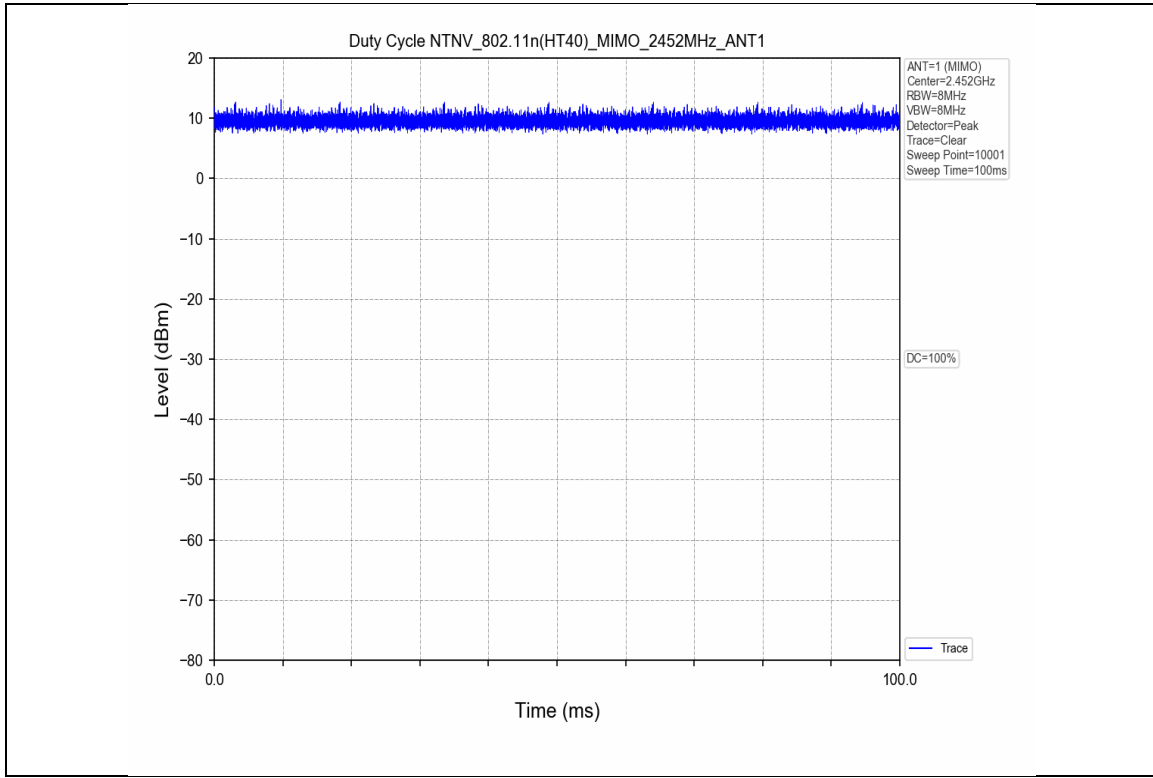


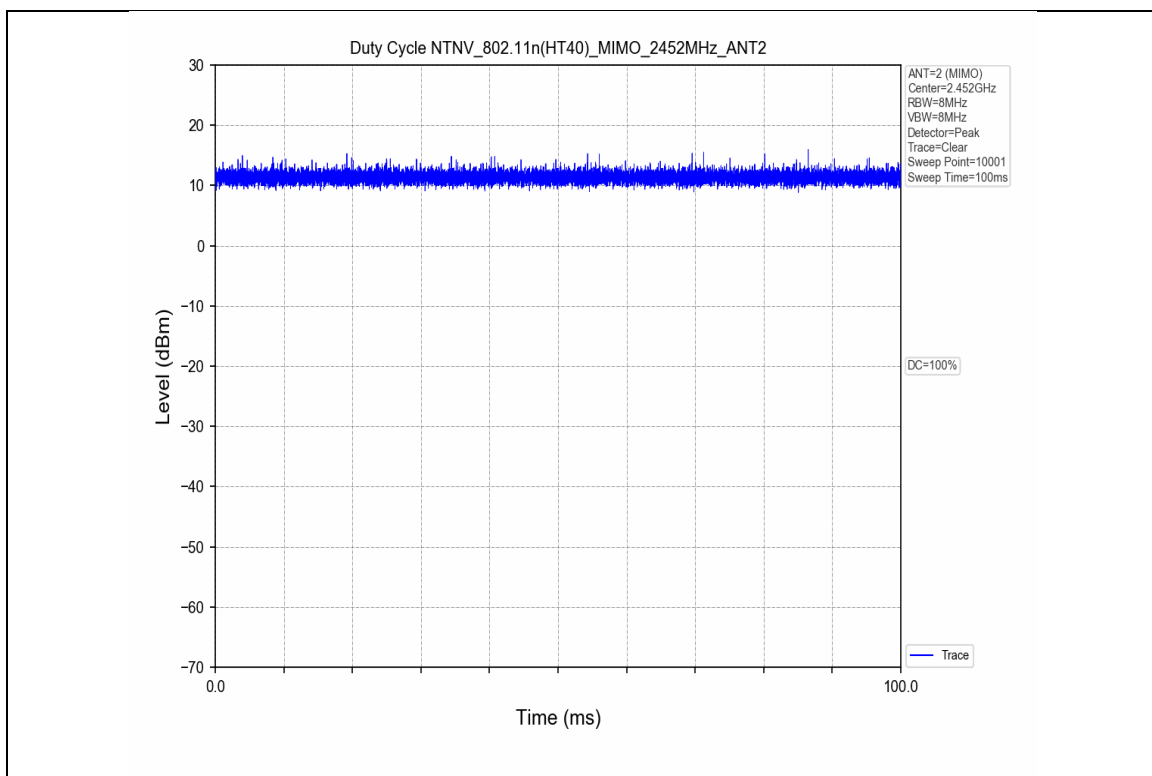
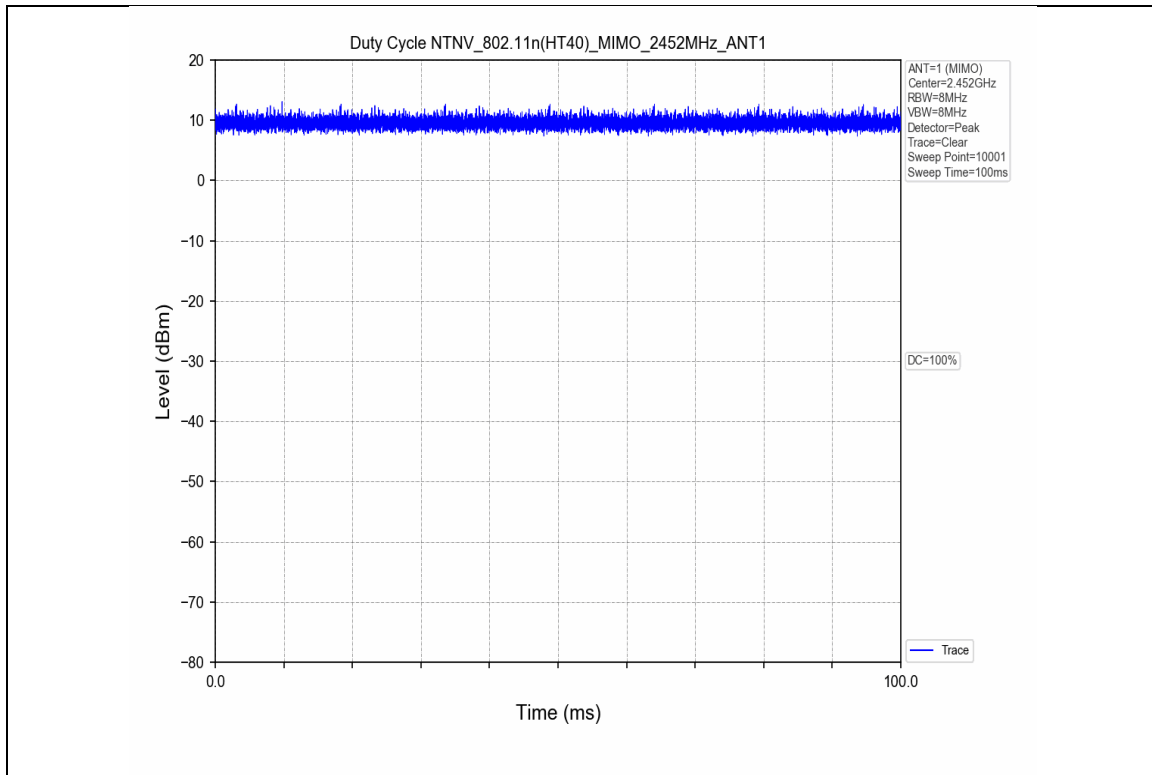












2. Bandwidth

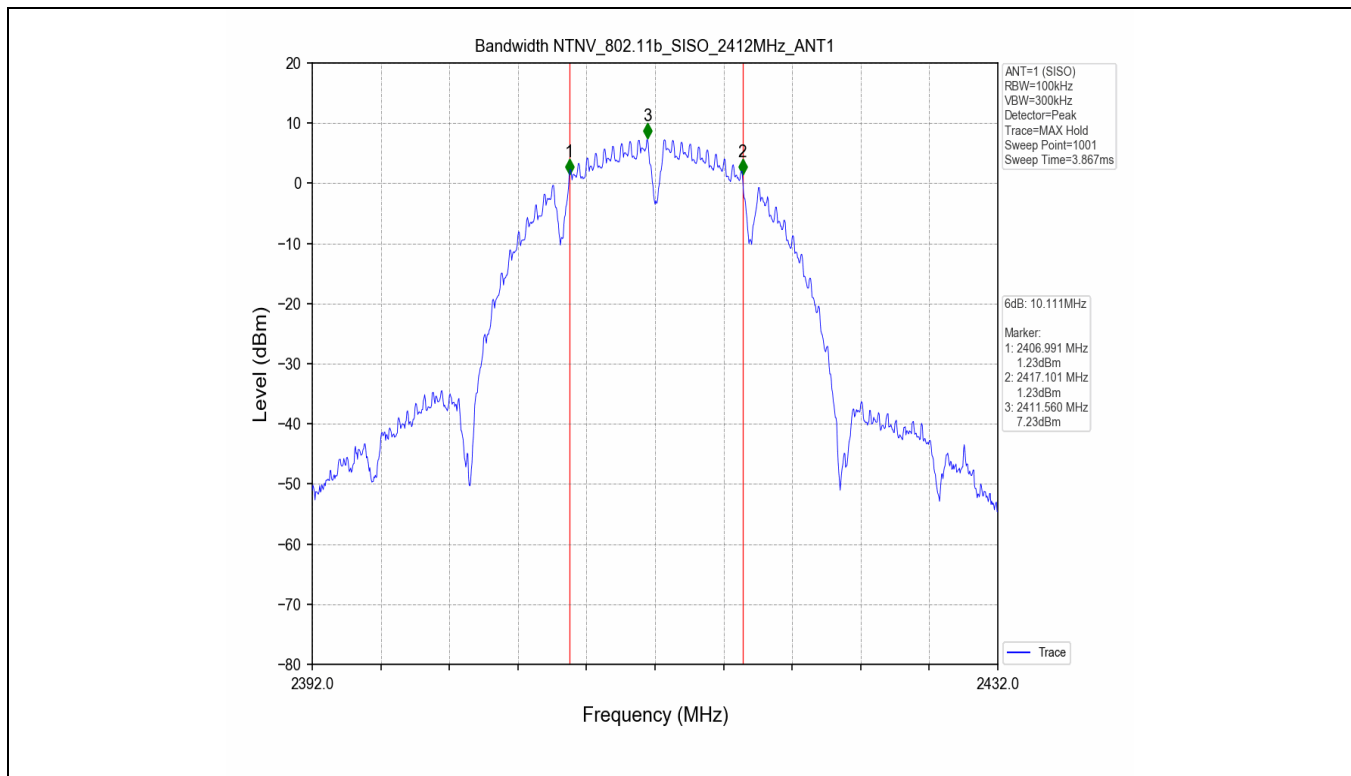
2.1 Test Result

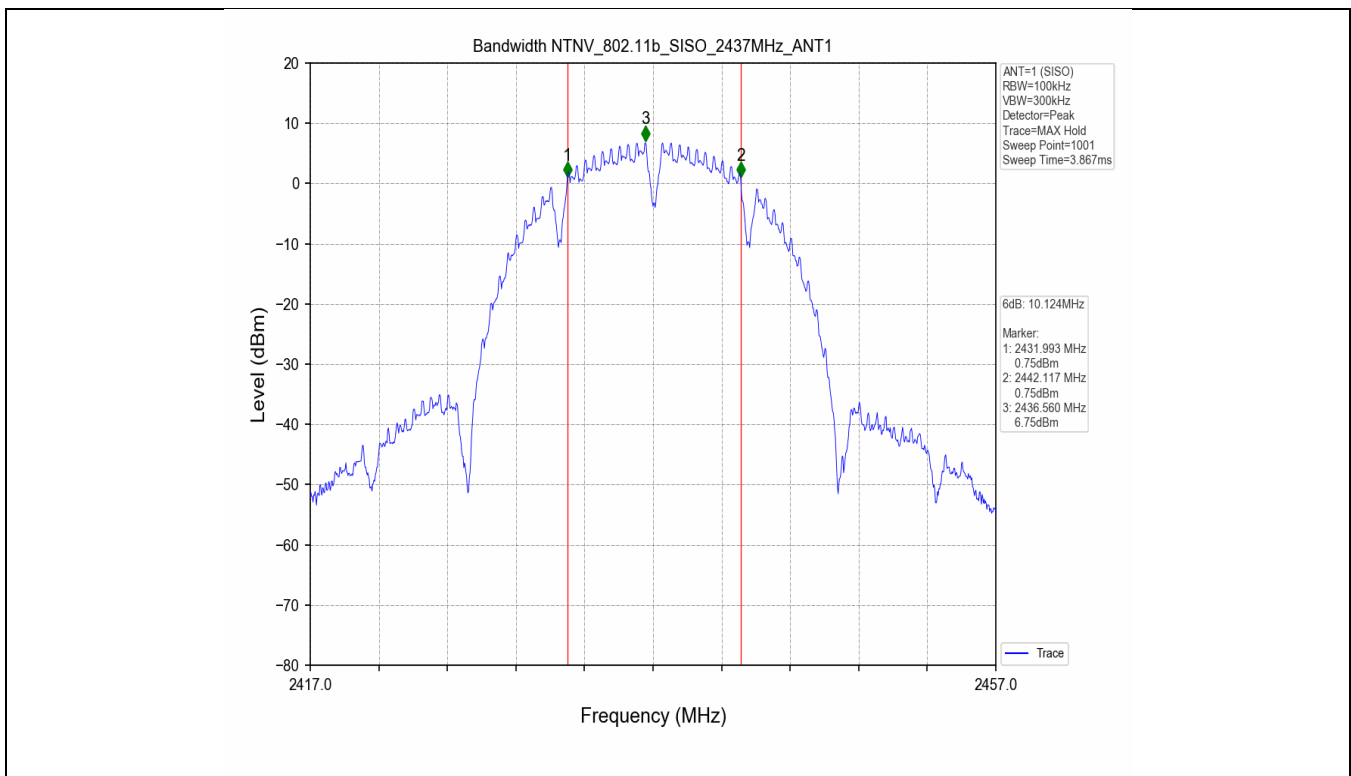
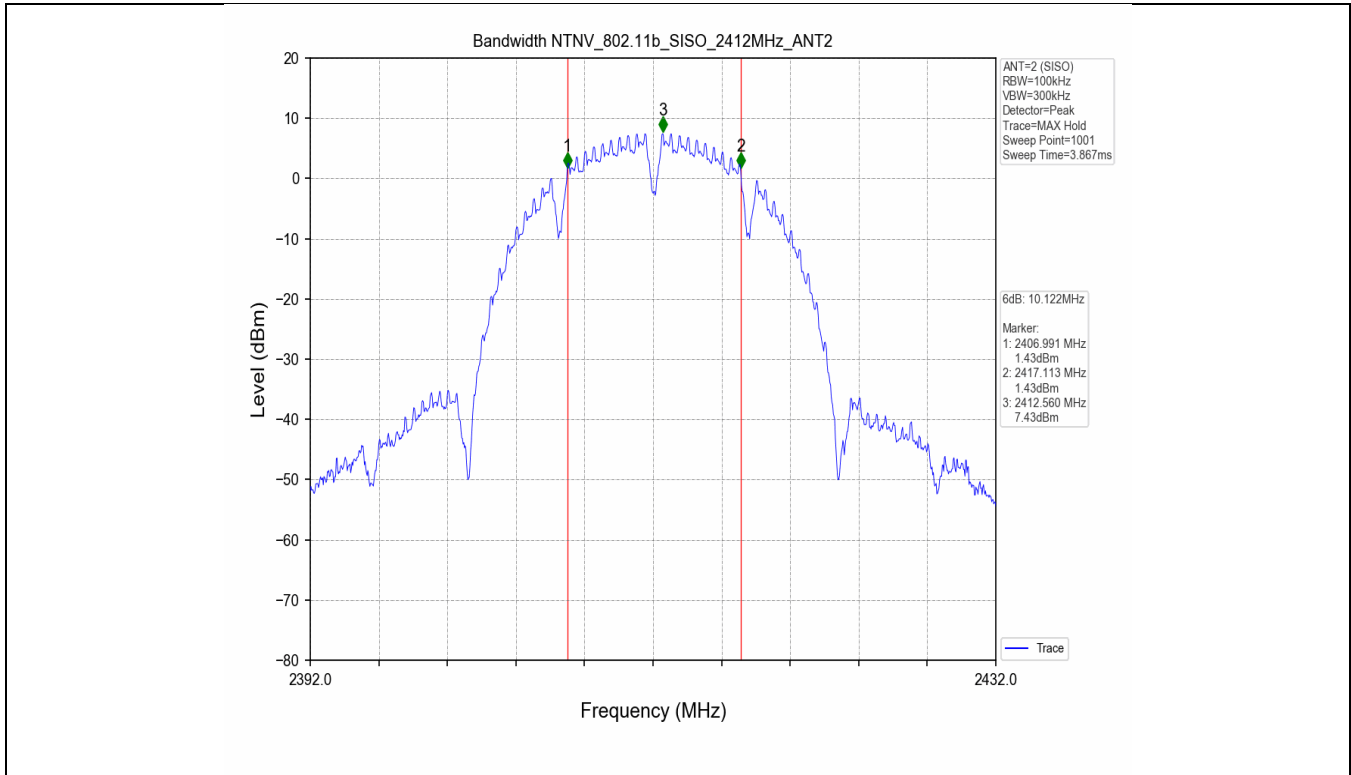
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.111	≥0.5	PASS
			2	10.122	≥0.5	PASS
	2437	SISO	1	10.124	≥0.5	PASS
			2	10.100	≥0.5	PASS
	2462	SISO	1	10.106	≥0.5	PASS
			2	10.115	≥0.5	PASS
802.11g	2412	SISO	1	16.579	≥0.5	PASS
			2	16.551	≥0.5	PASS
	2437	SISO	1	16.585	≥0.5	PASS
			2	16.558	≥0.5	PASS
	2462	SISO	1	16.565	≥0.5	PASS
			2	16.562	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	17.739	≥0.5	PASS
			2	17.746	≥0.5	PASS
	2437	MIMO	1	17.736	≥0.5	PASS
			2	17.744	≥0.5	PASS
	2462	MIMO	1	17.748	≥0.5	PASS
			2	17.756	≥0.5	PASS
802.11n(HT40)	2422	MIMO	1	36.462	≥0.5	PASS
			2	36.480	≥0.5	PASS
	2437	MIMO	1	36.482	≥0.5	PASS
			2	36.487	≥0.5	PASS
	2452	MIMO	1	36.485	≥0.5	PASS
			2	36.481	≥0.5	PASS

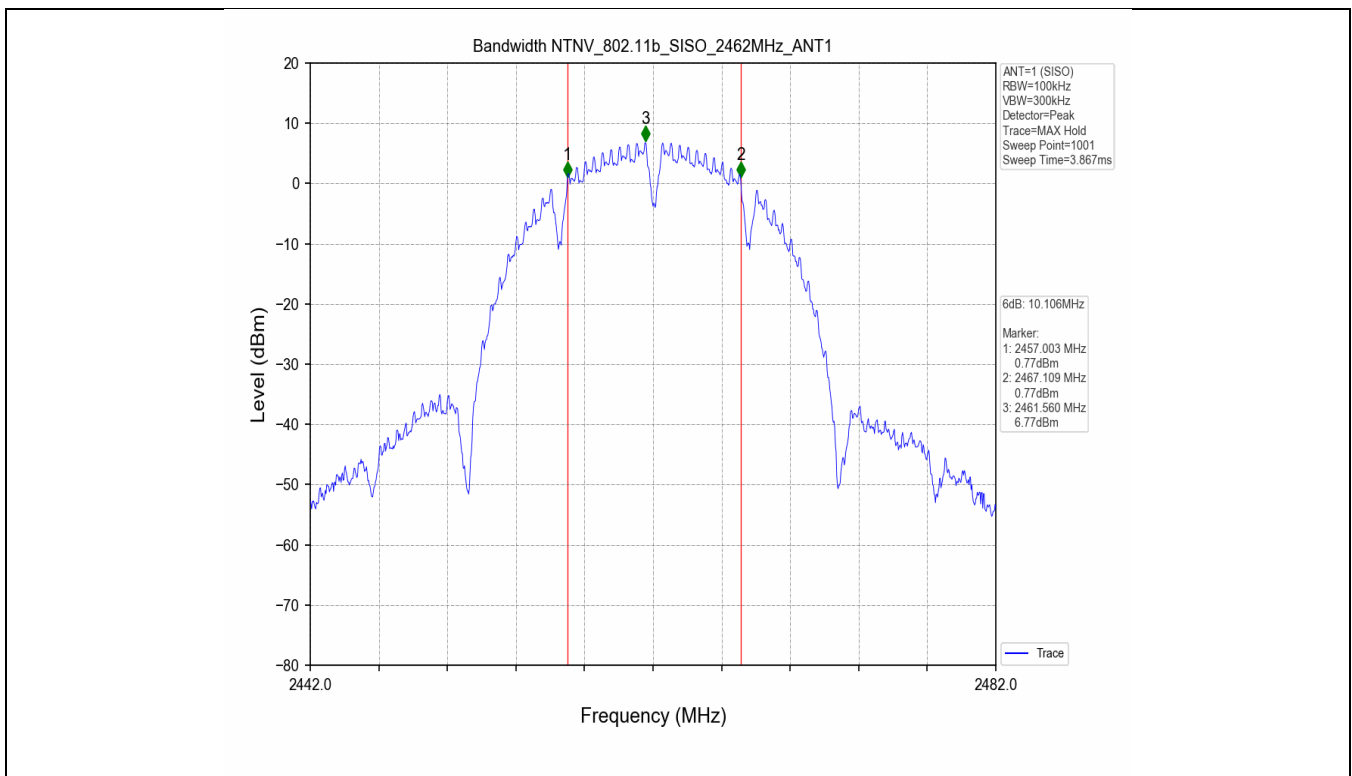
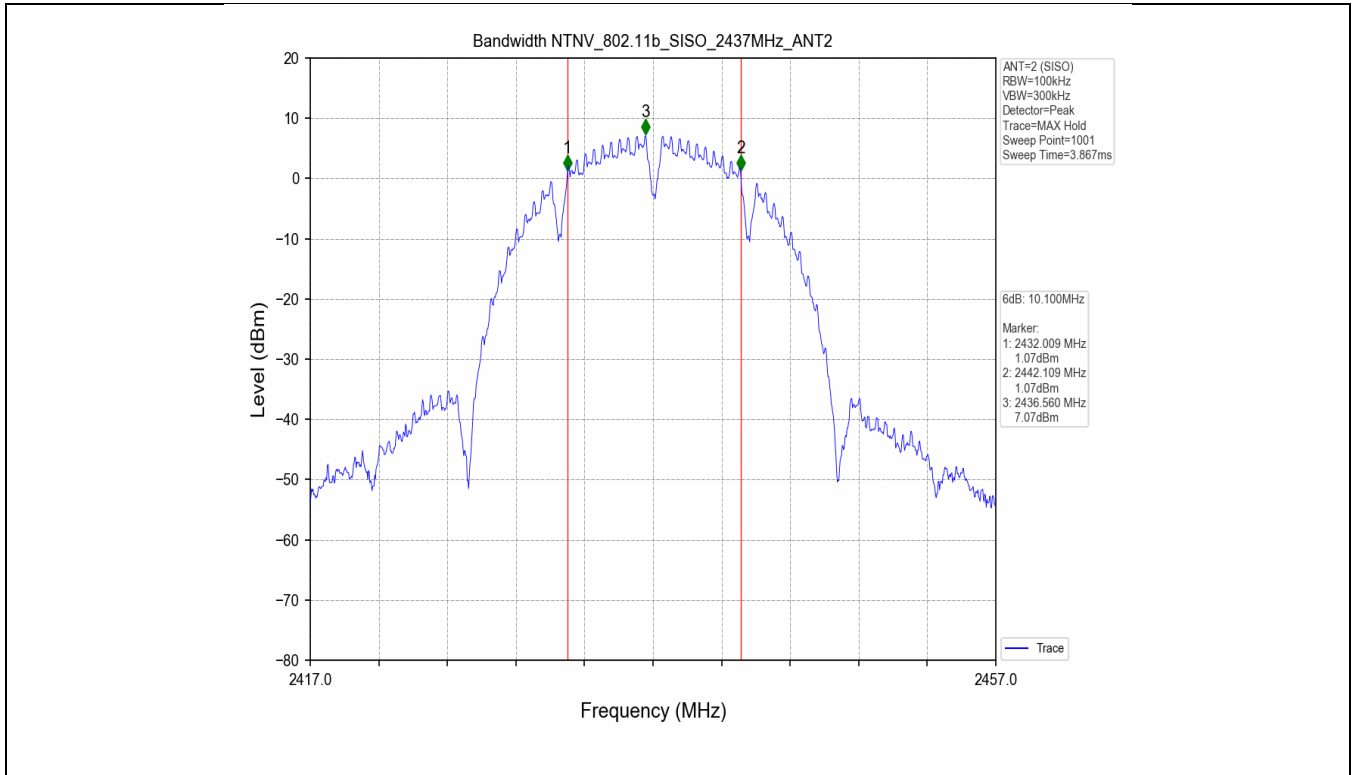
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.948	Only for Report Use
			2	14.897	Only for Report Use
	2437	SISO	1	14.940	Only for Report Use
			2	14.921	Only for Report Use
	2462	SISO	1	14.933	Only for Report Use
			2	14.906	Only for Report Use
802.11g	2412	SISO	1	16.774	Only for Report Use
			2	16.722	Only for Report Use
	2437	SISO	1	16.810	Only for Report Use
			2	16.704	Only for Report Use
	2462	SISO	1	16.781	Only for Report Use
			2	16.716	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.793	Only for Report Use
			2	17.810	Only for Report Use
	2437	MIMO	1	17.802	Only for Report Use
			2	17.816	Only for Report Use
	2462	MIMO	1	17.794	Only for Report Use
			2	17.803	Only for Report Use
802.11n(HT40)	2422	MIMO	1	35.958	Only for Report Use
			2	35.985	Only for Report Use
	2437	MIMO	1	35.972	Only for Report Use

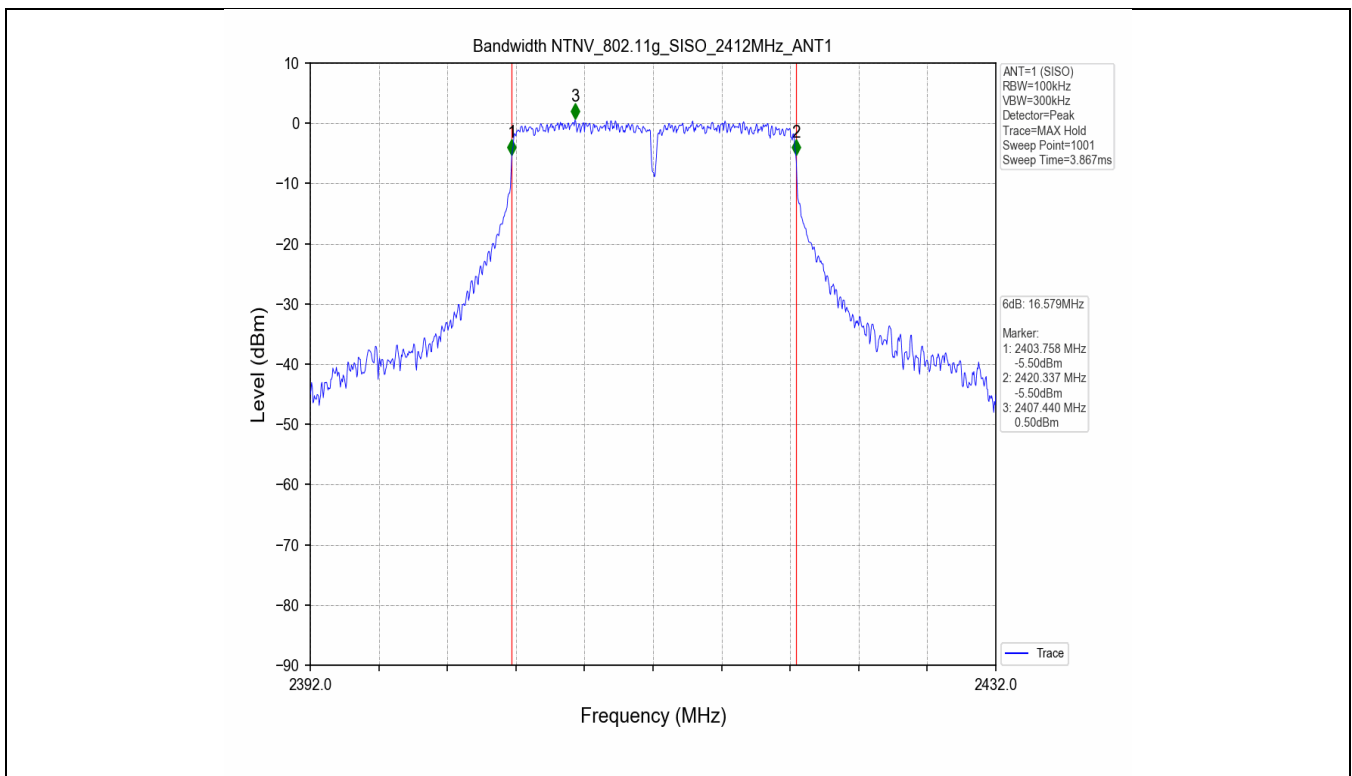
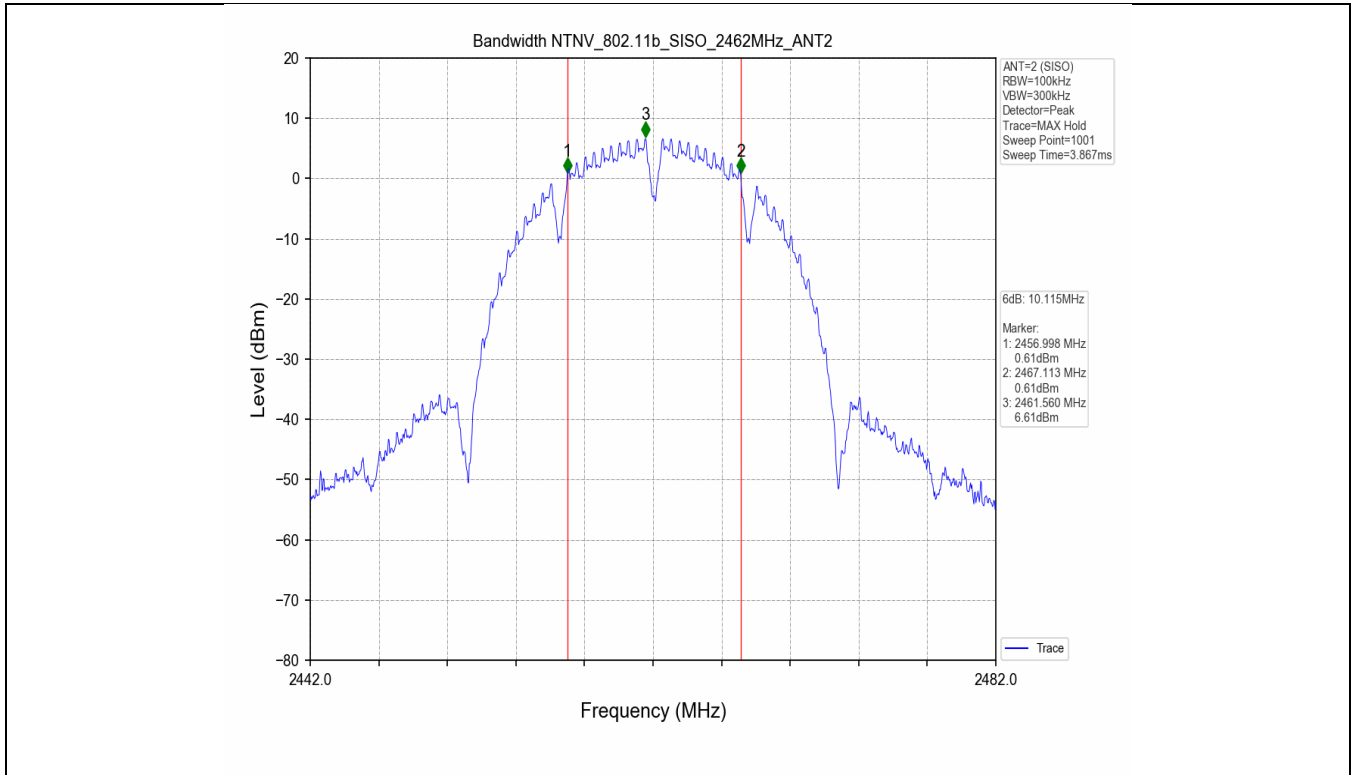
	2452	MIMO	2	35.998	Only for Report Use
			1	35.964	Only for Report Use
			2	36.006	Only for Report Use

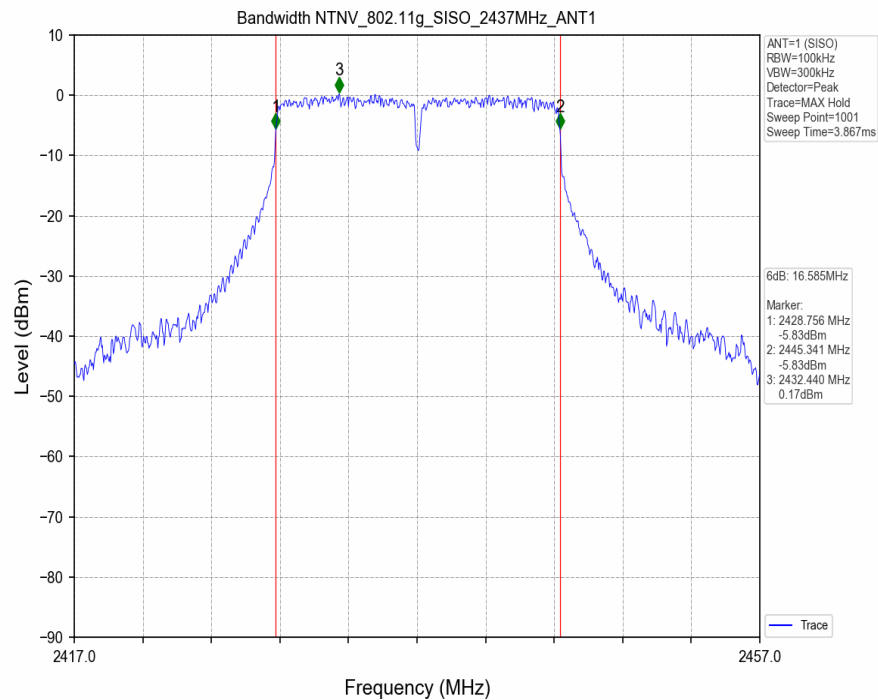
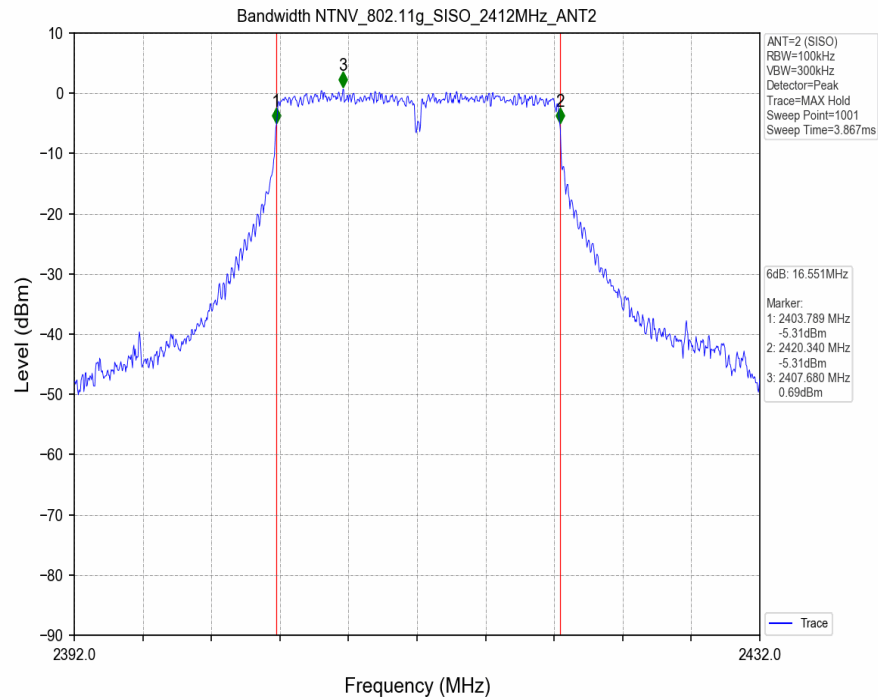
2.2 Test Graph - 6dB Bandwidth

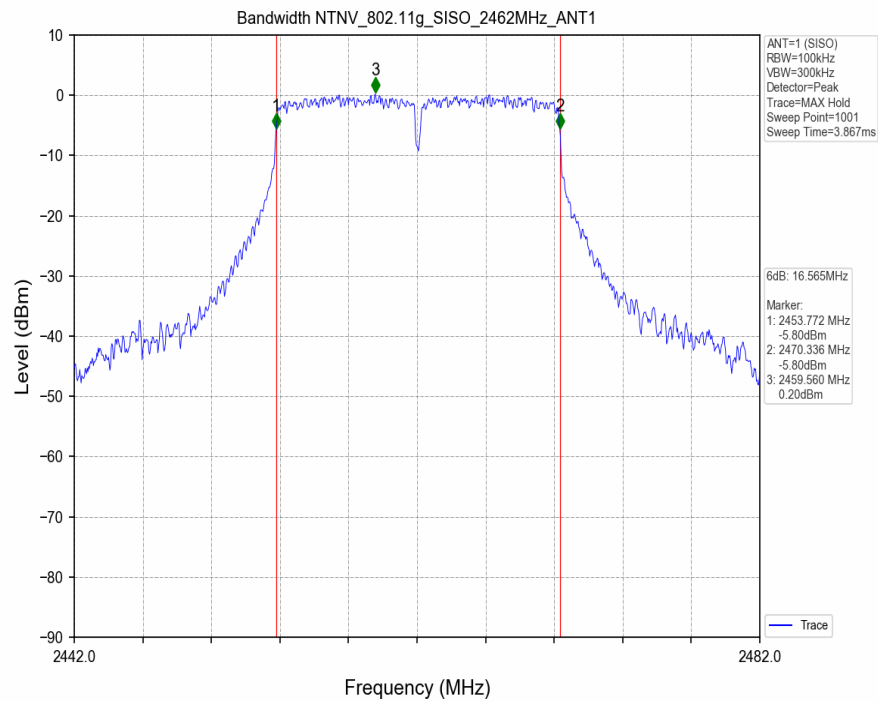
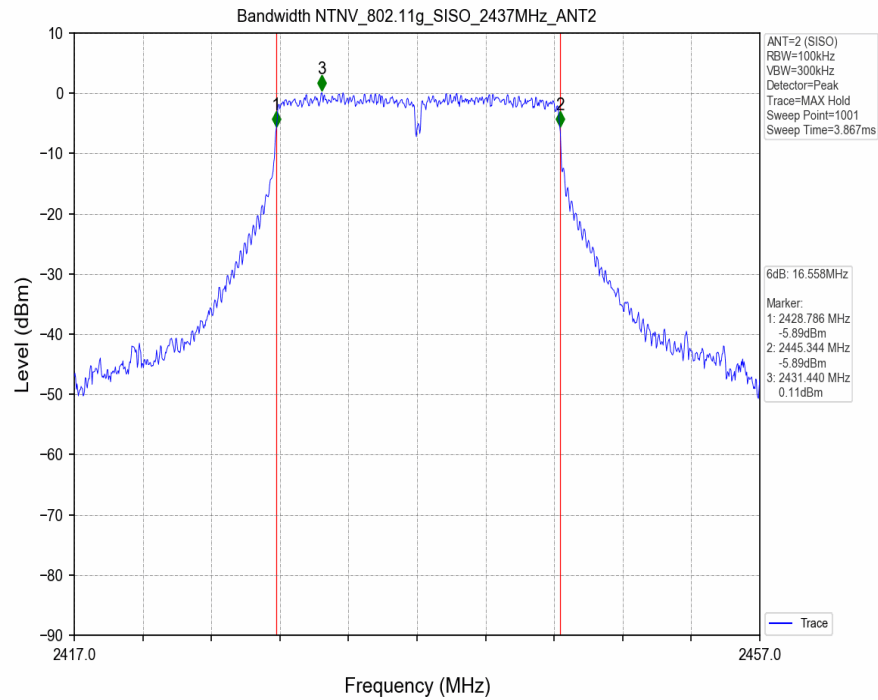


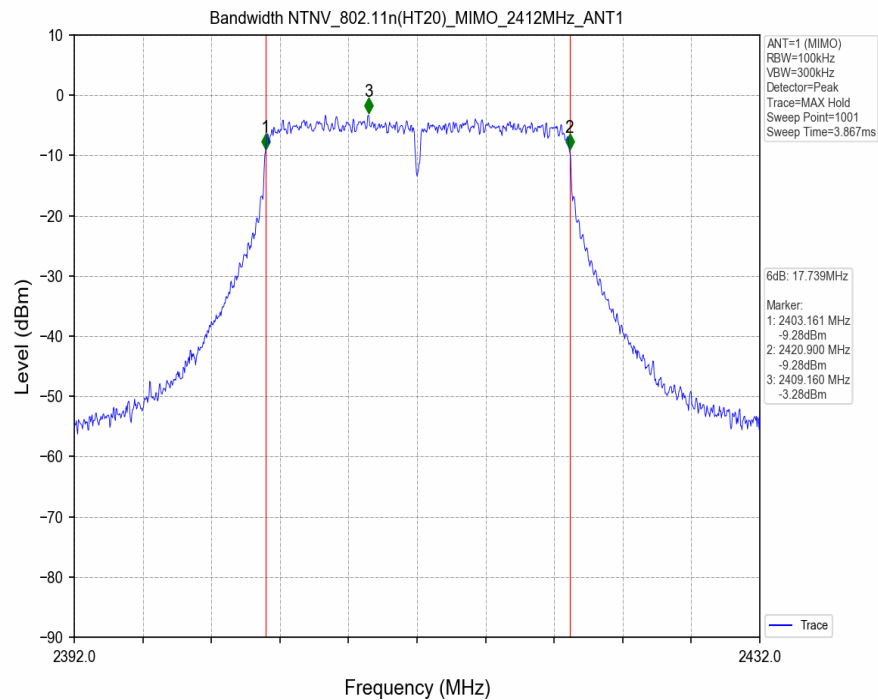
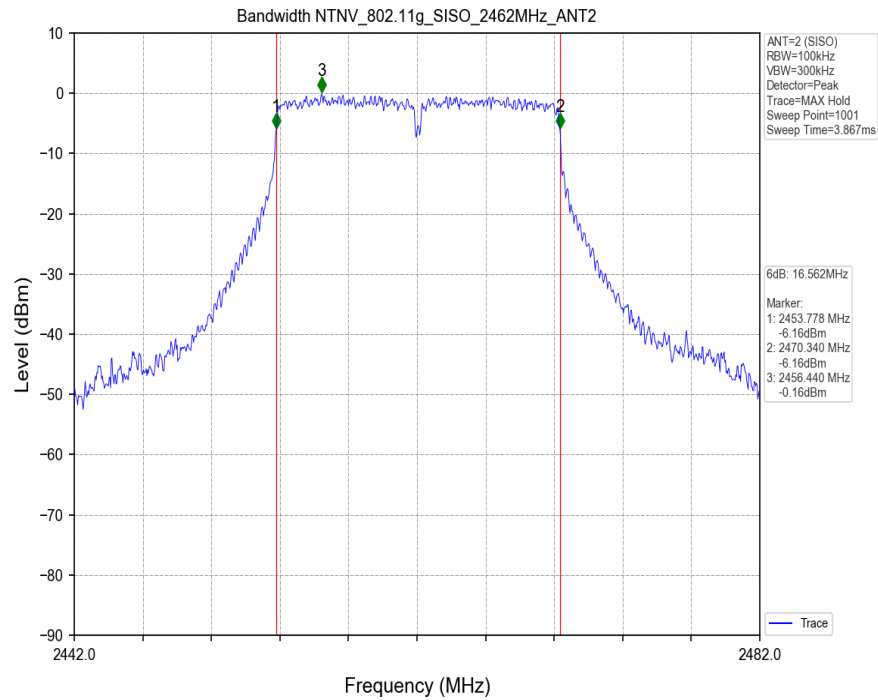


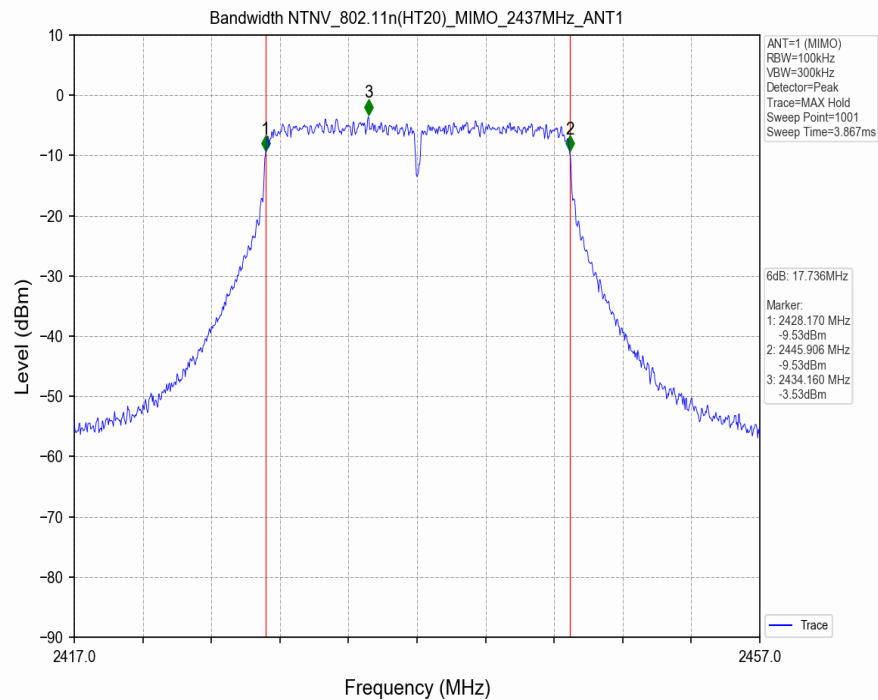
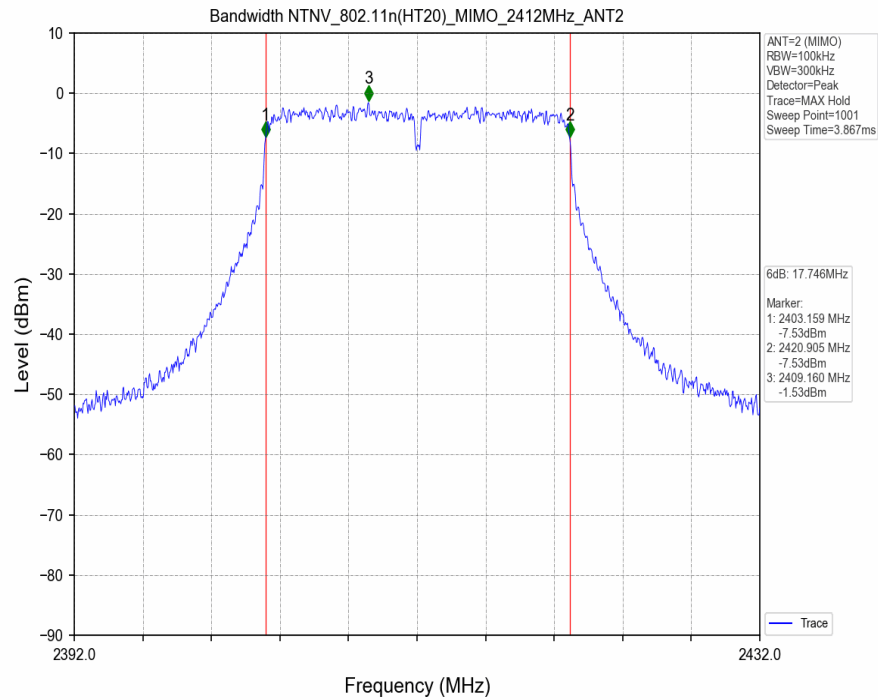


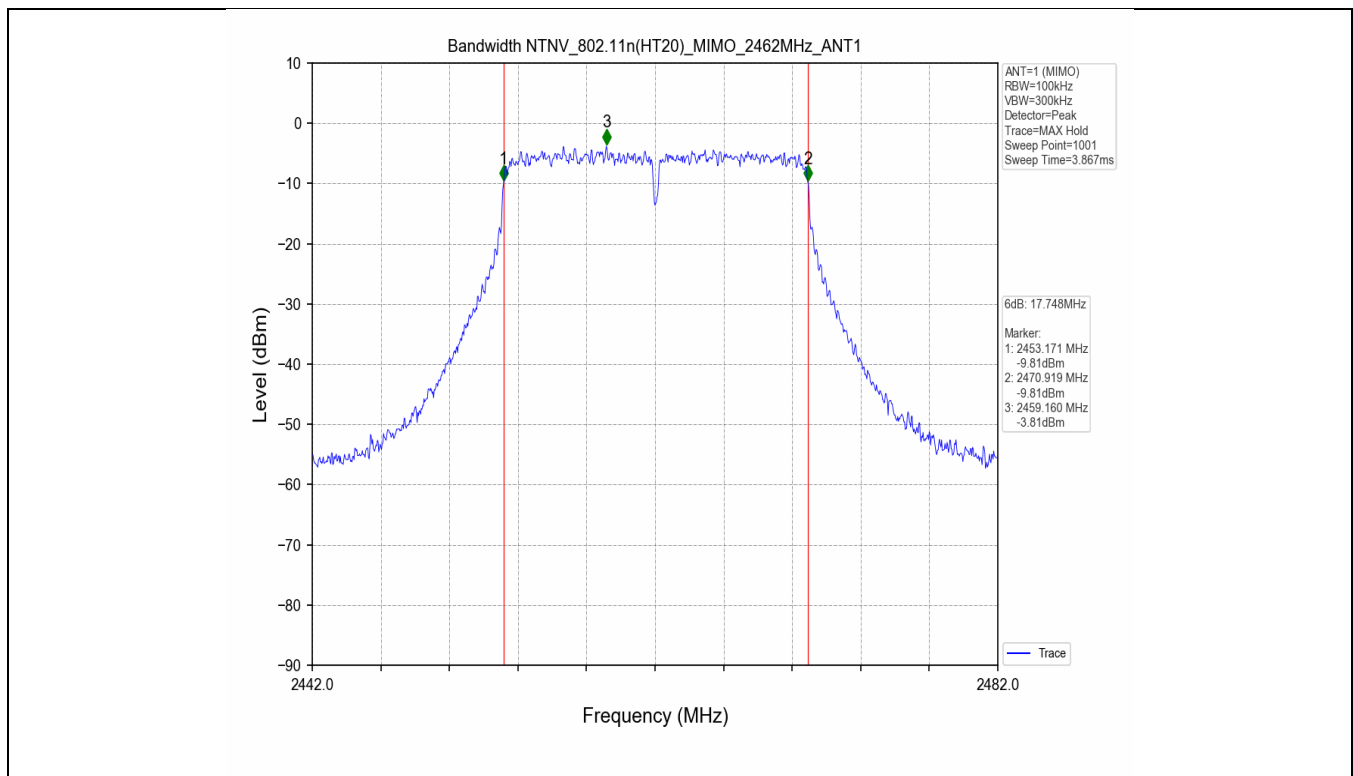
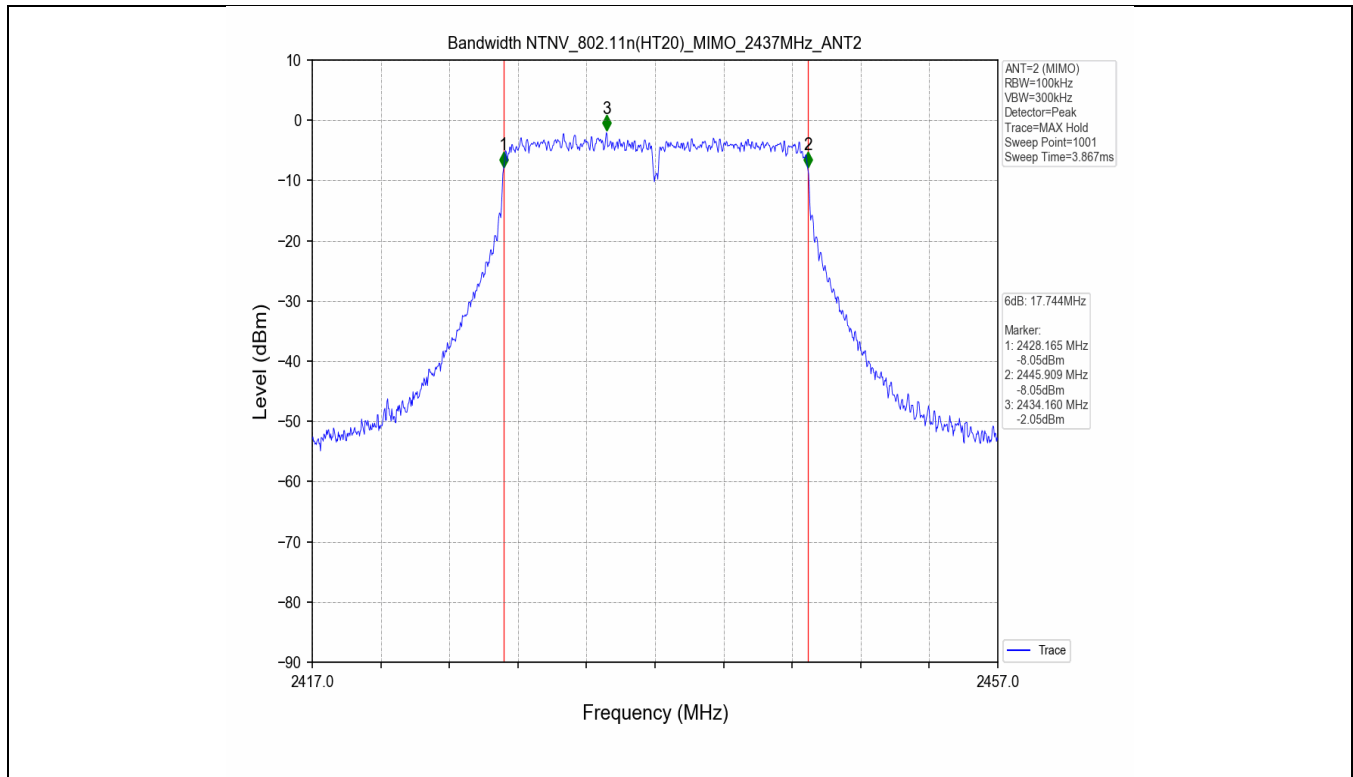


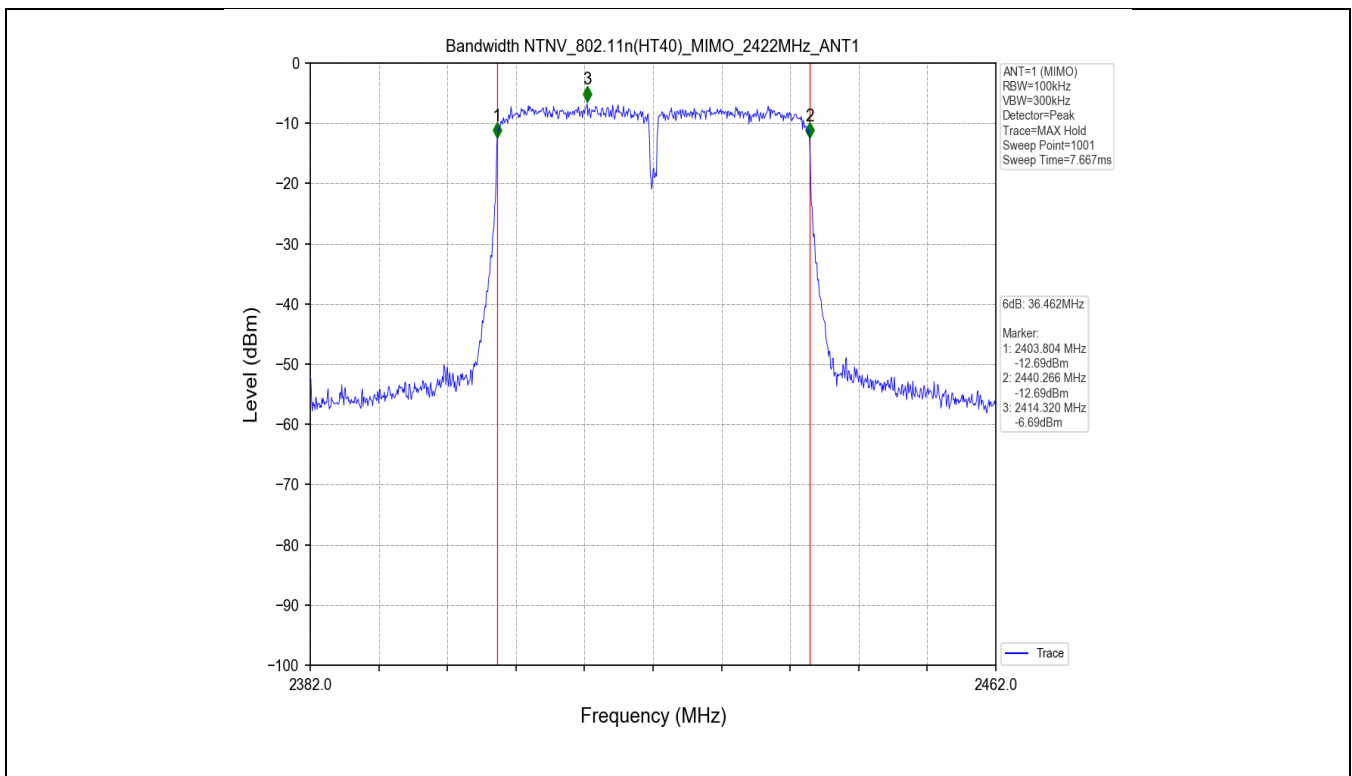
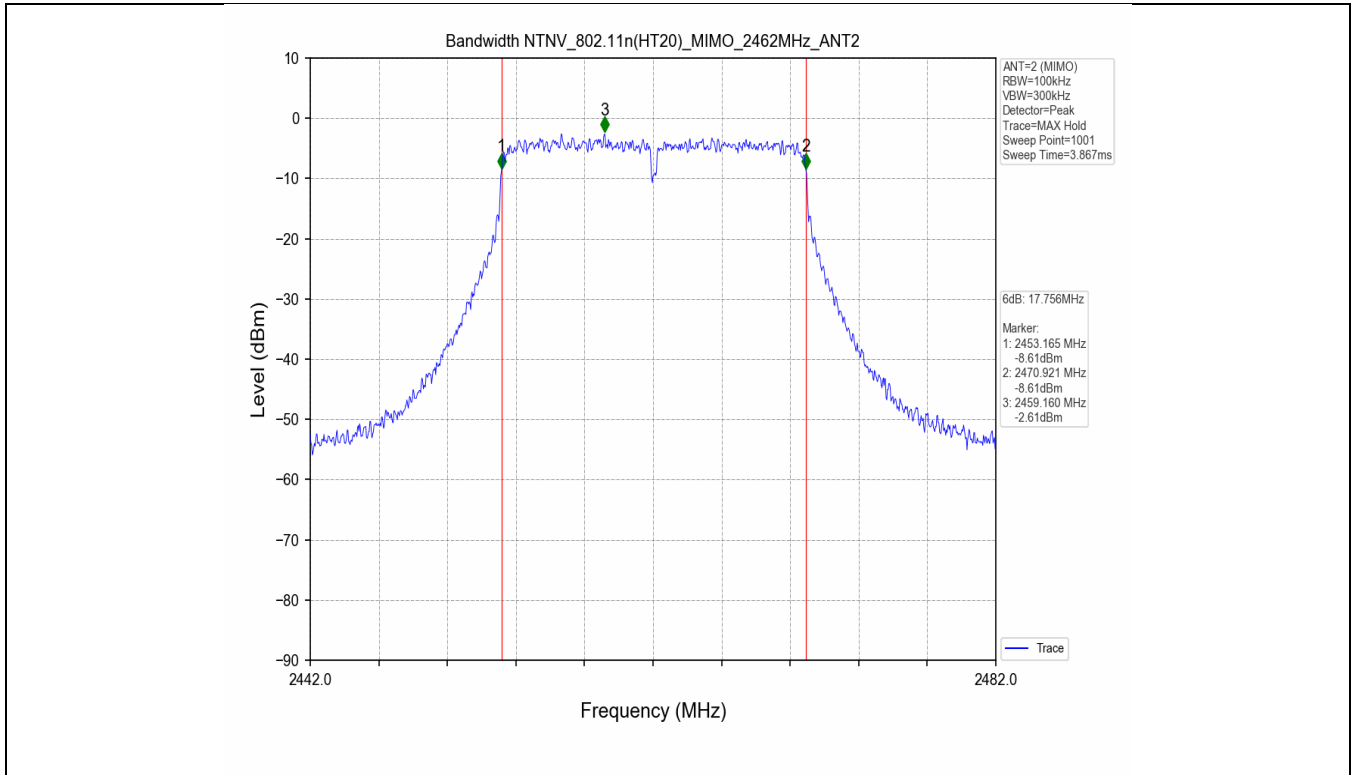


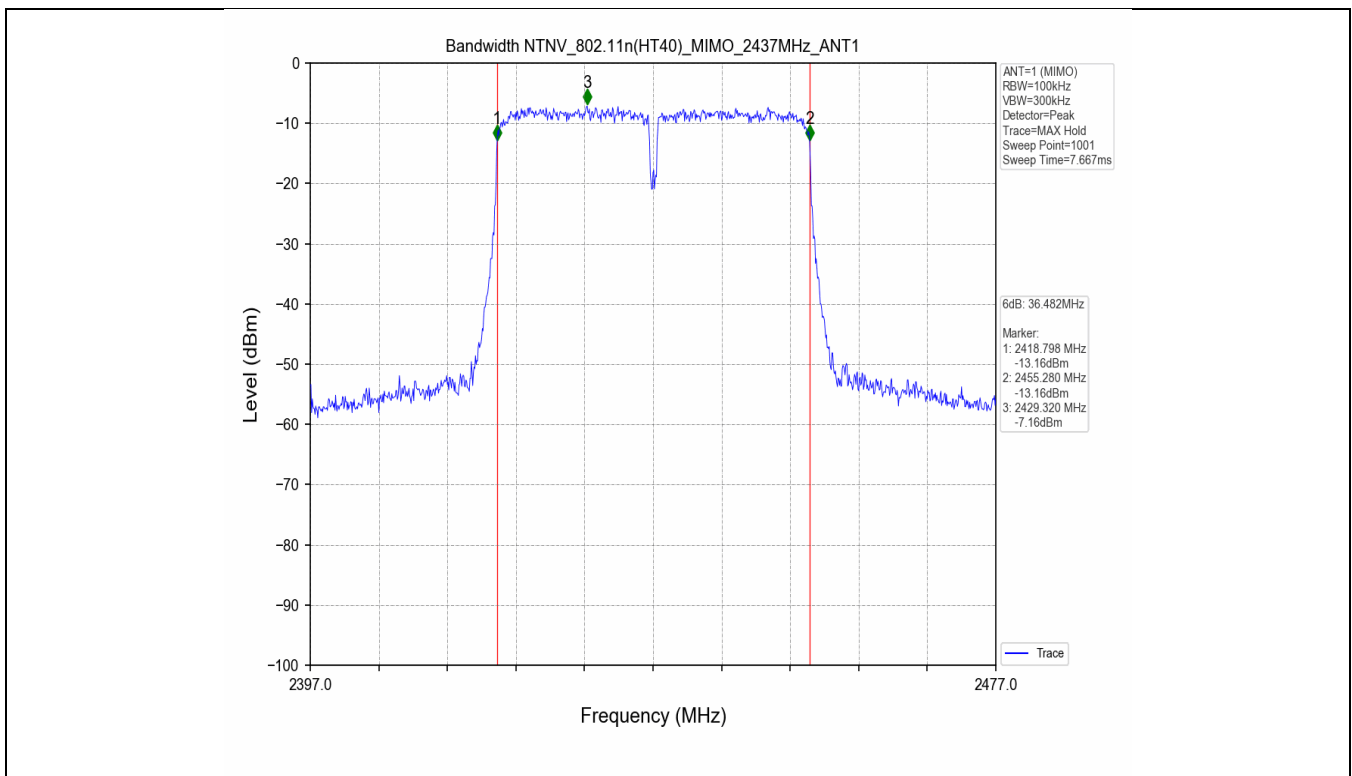
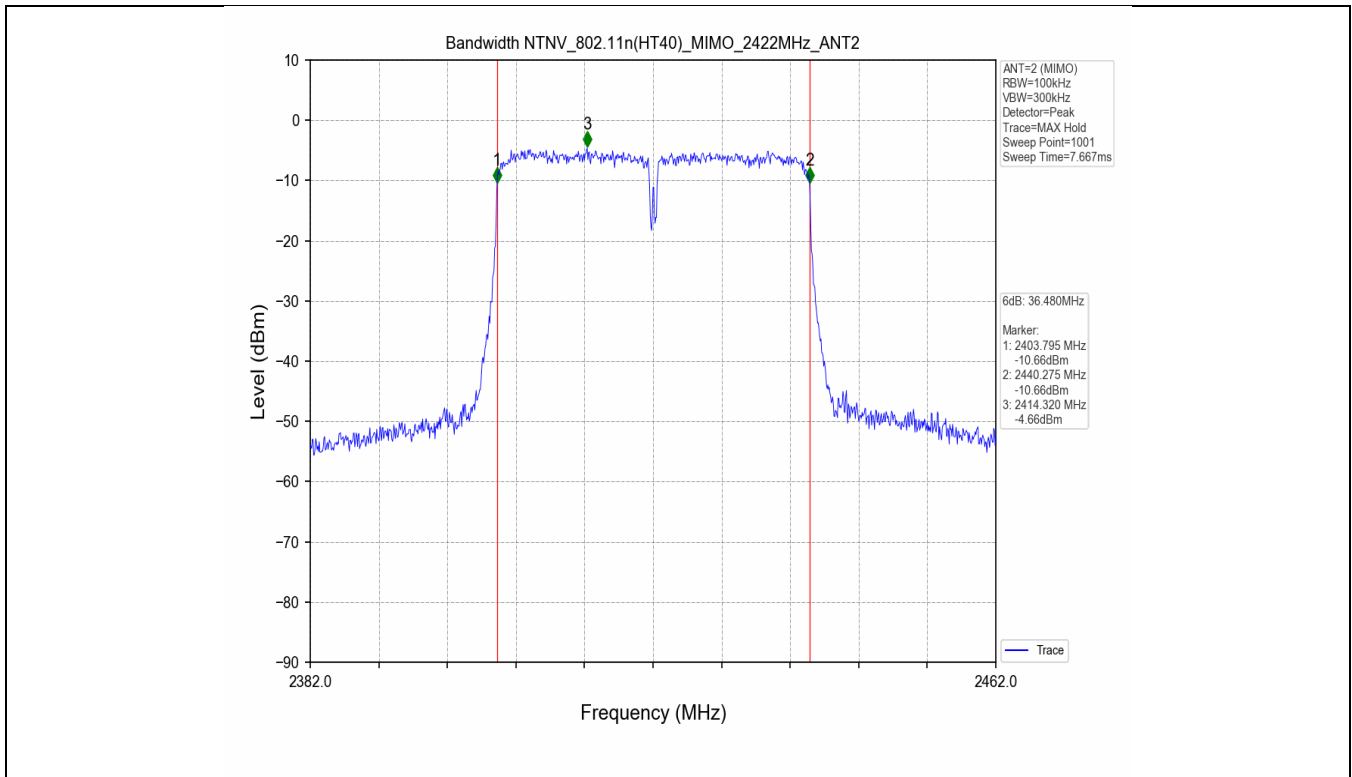


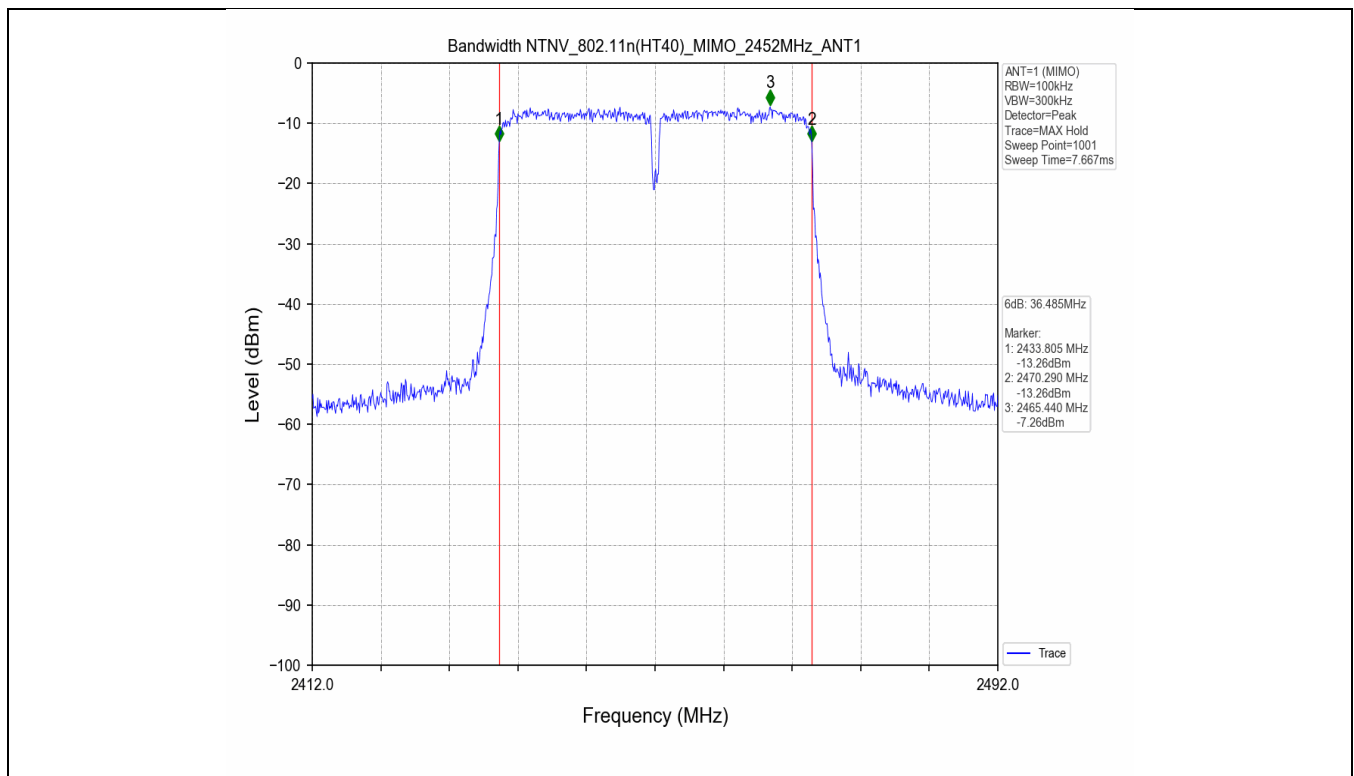
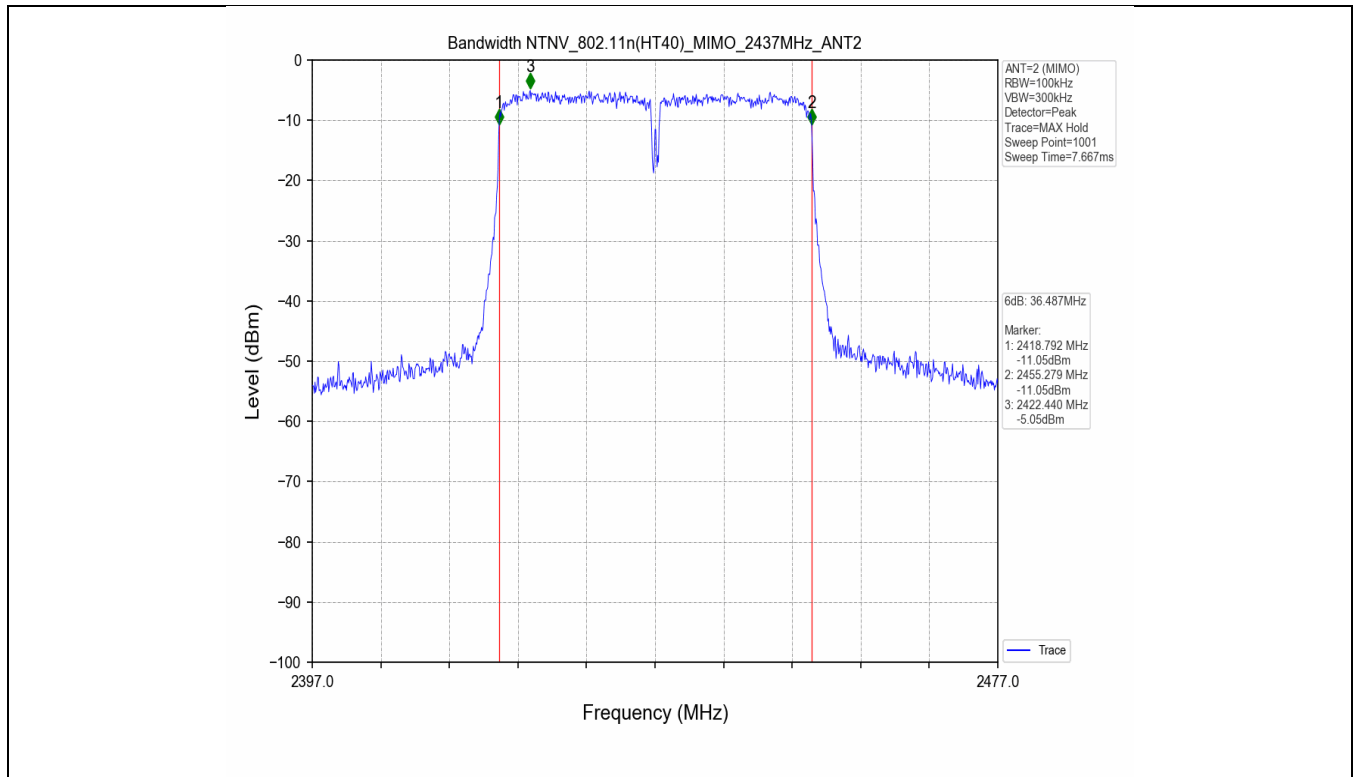


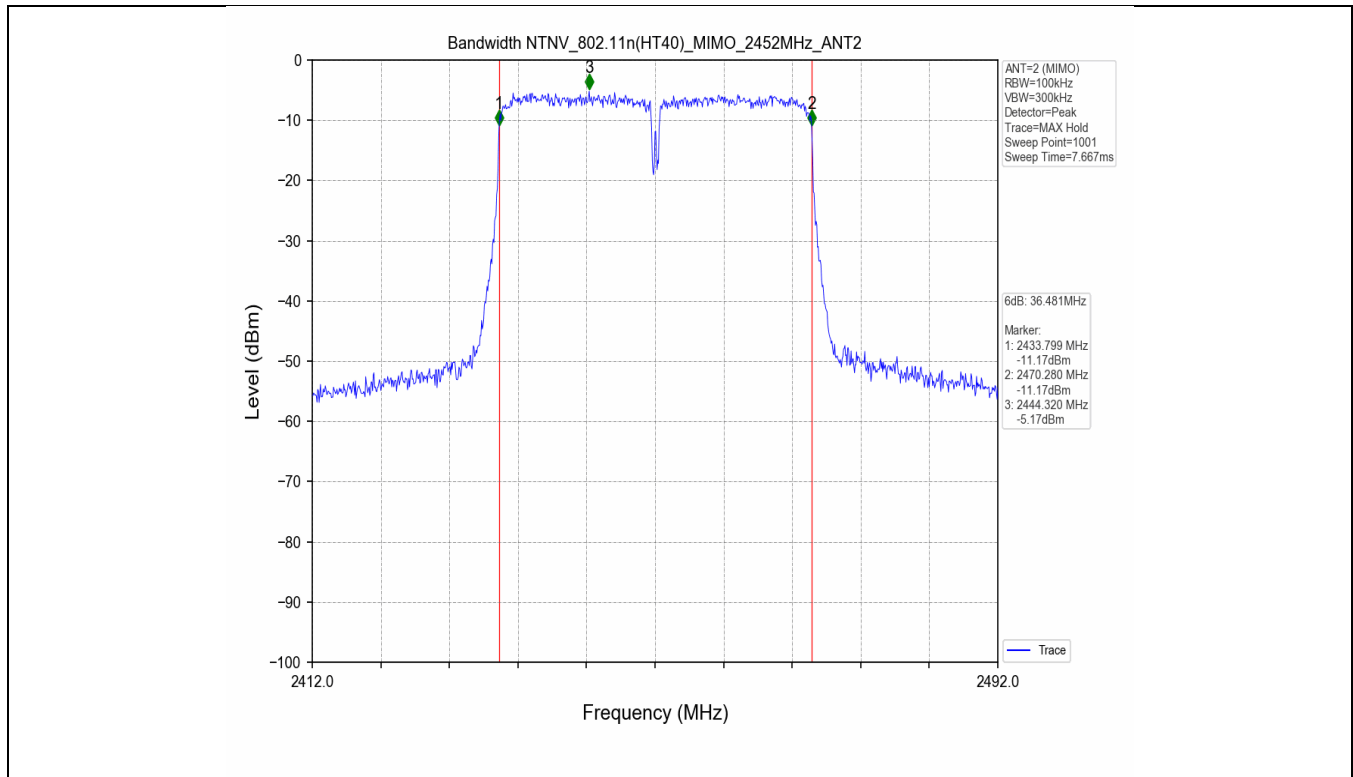




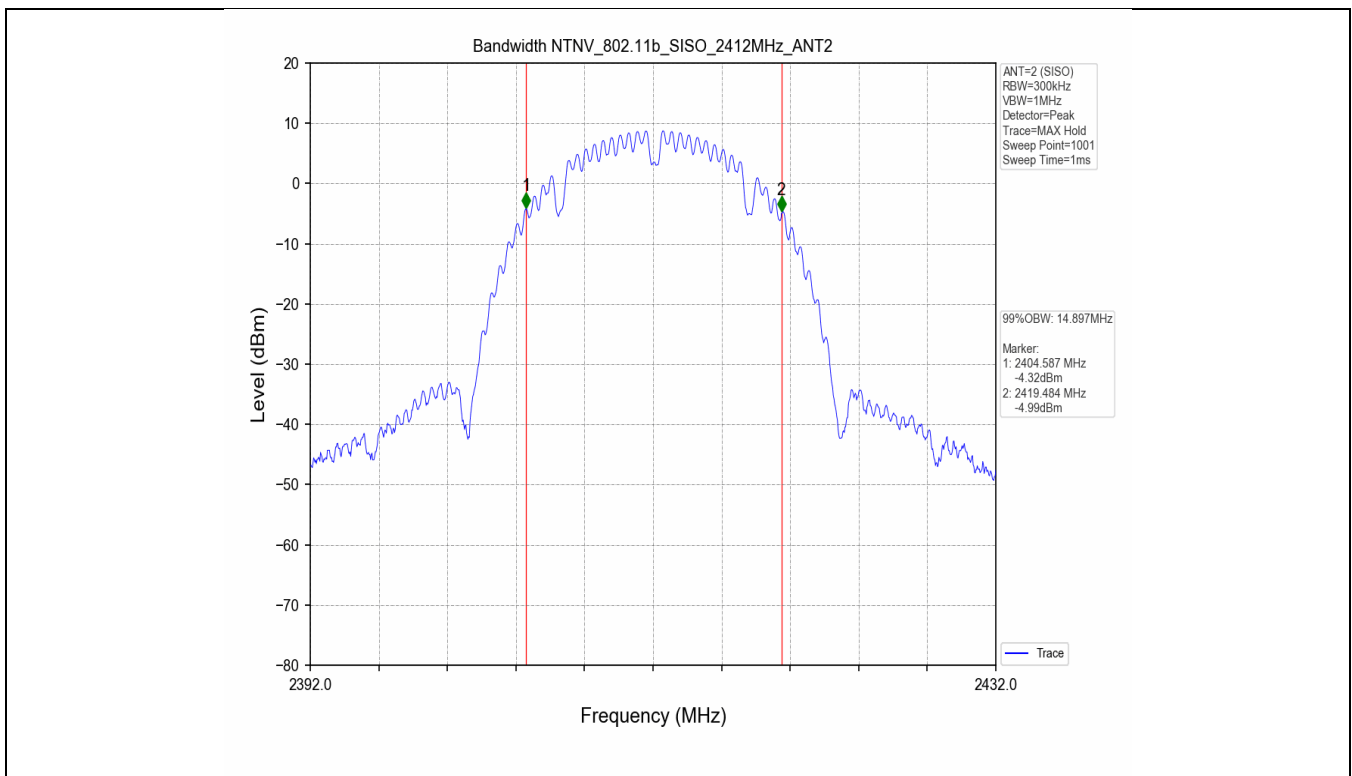
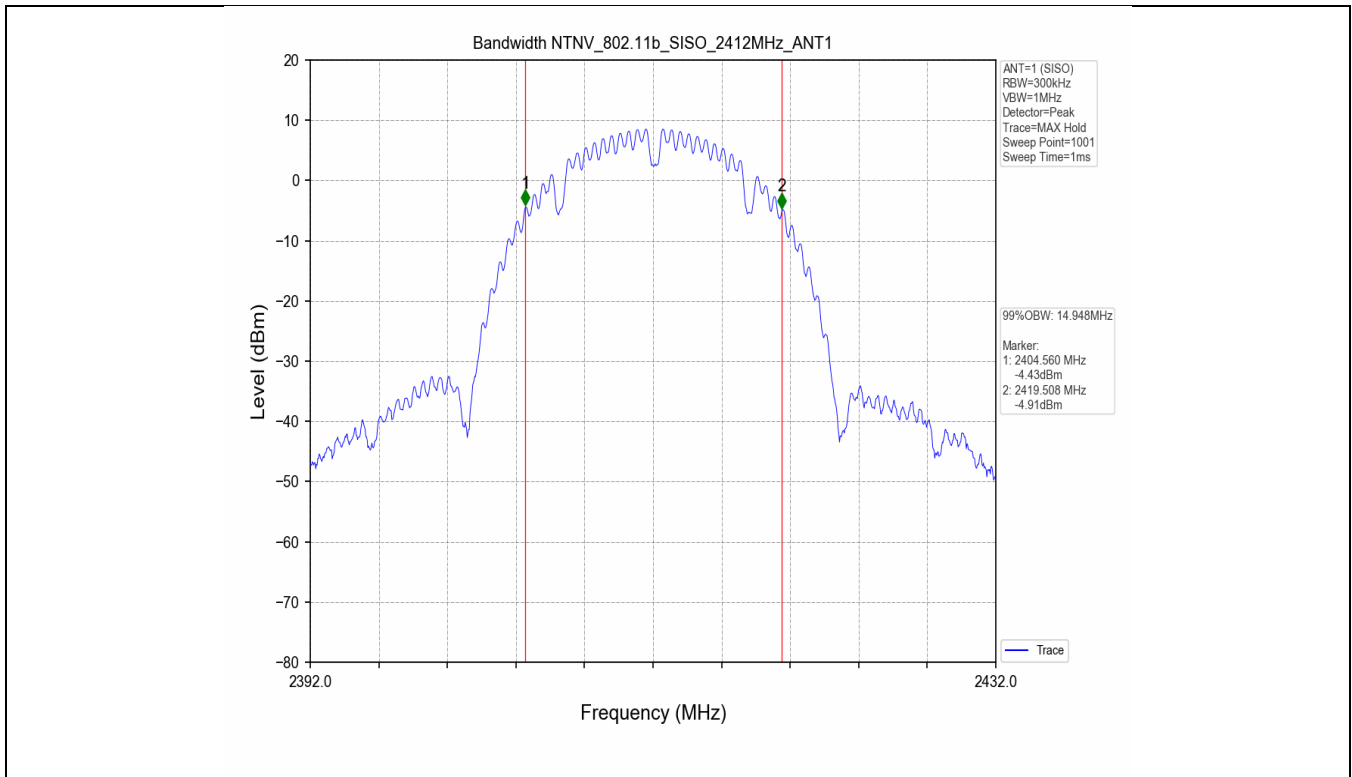


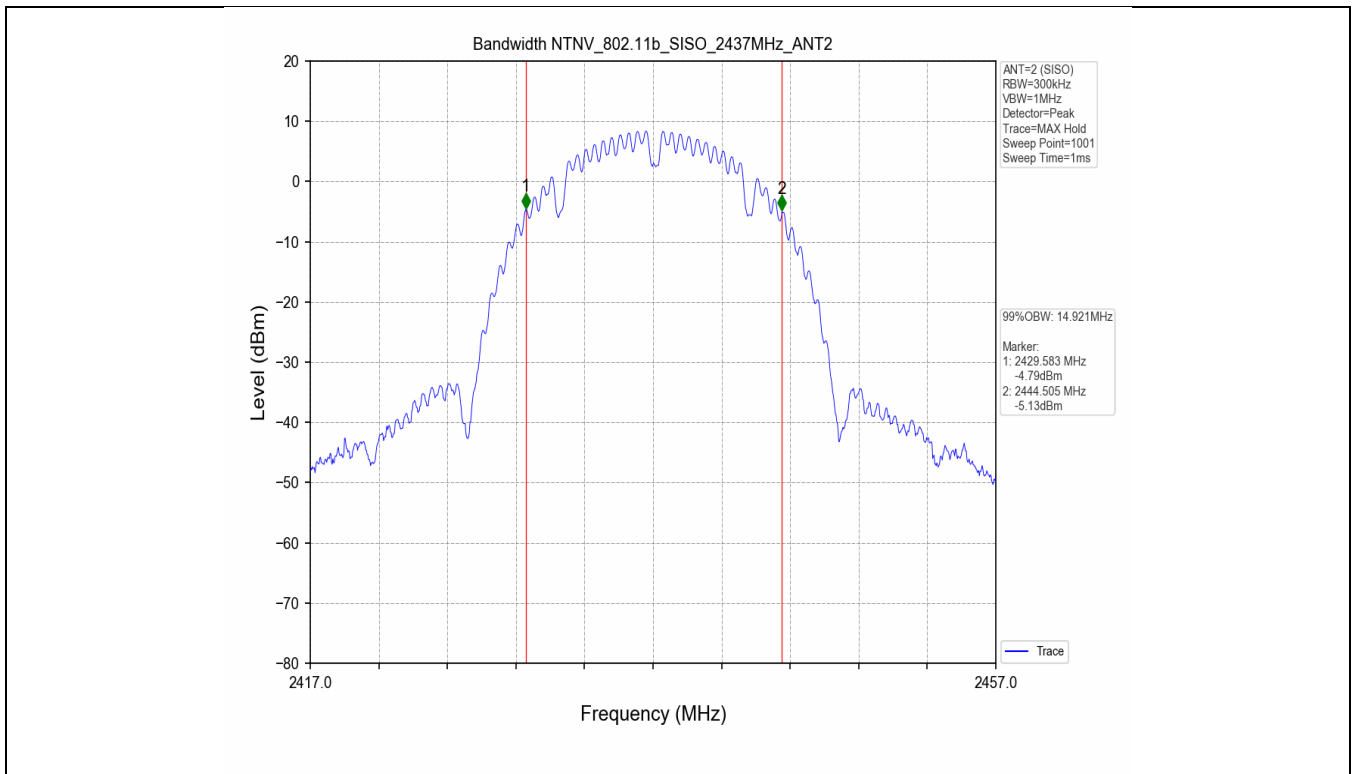
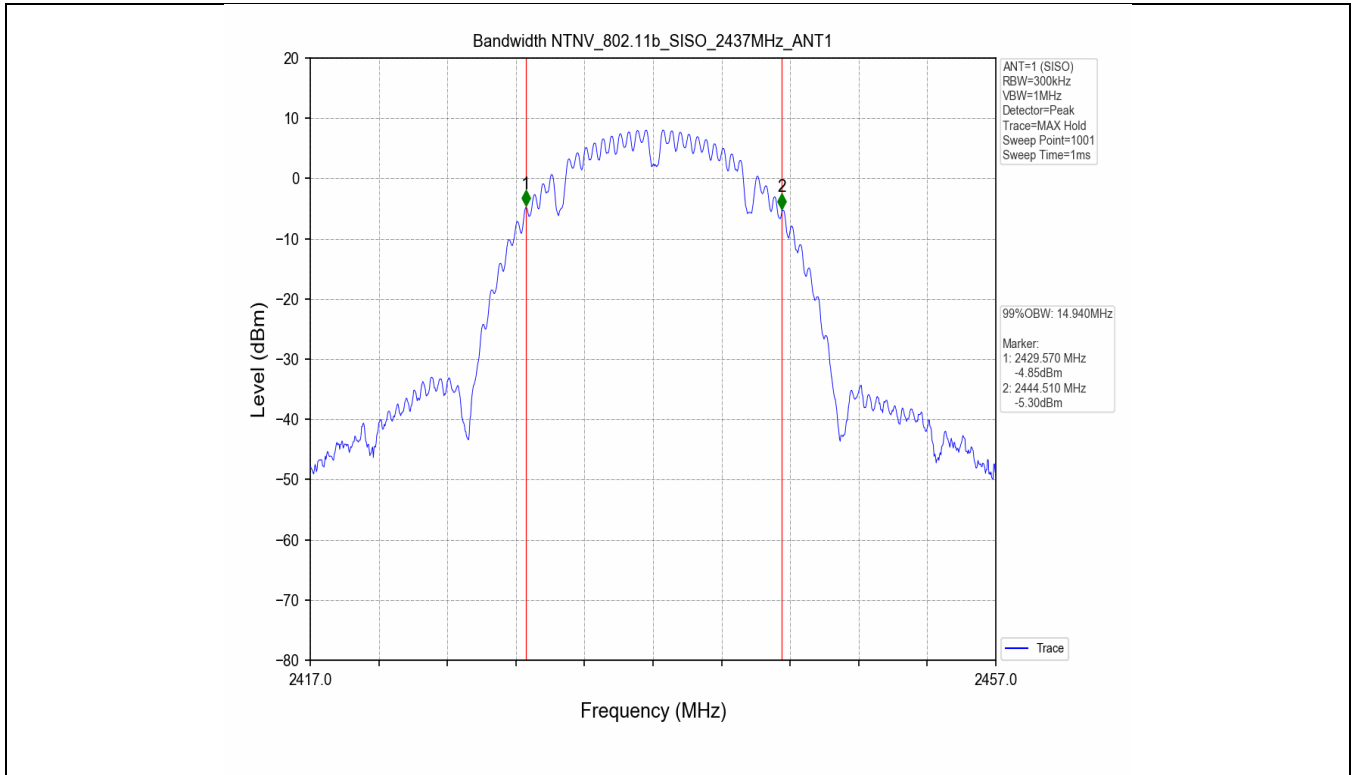


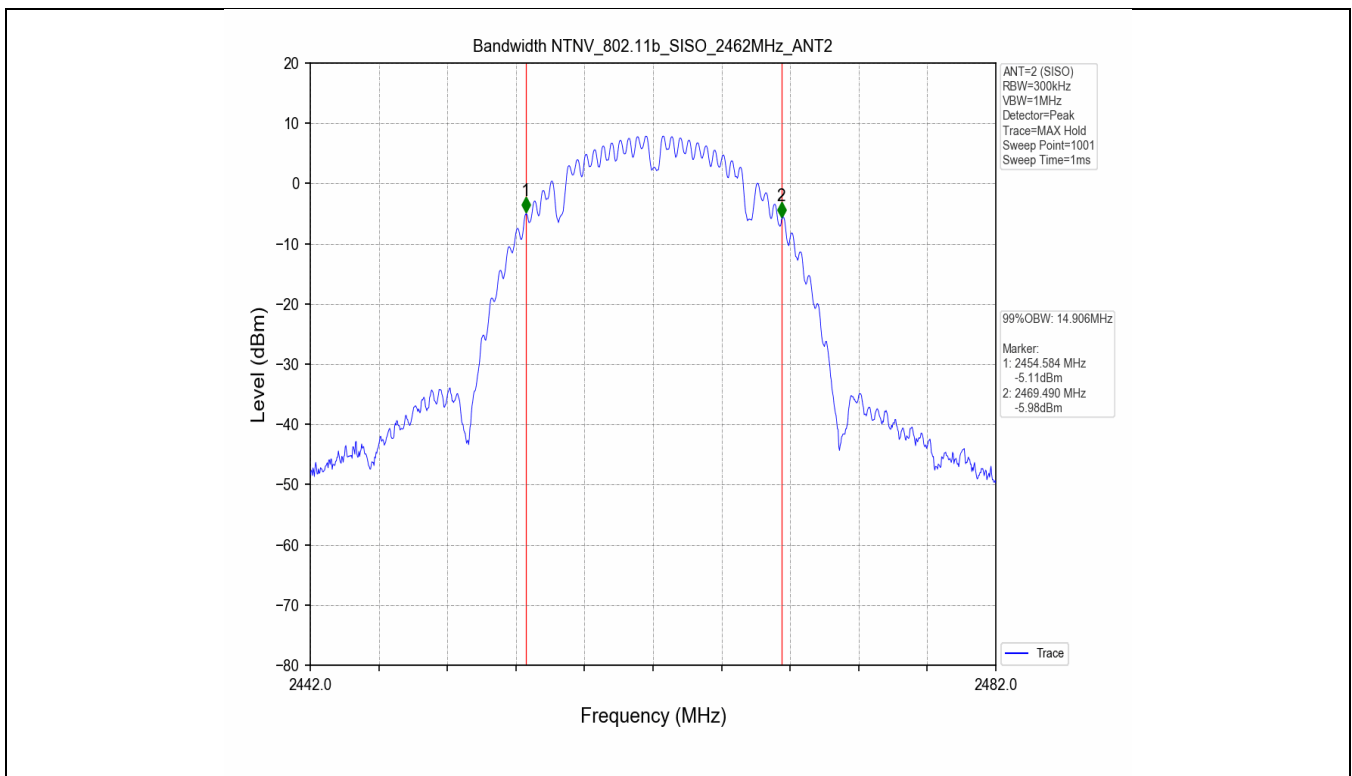
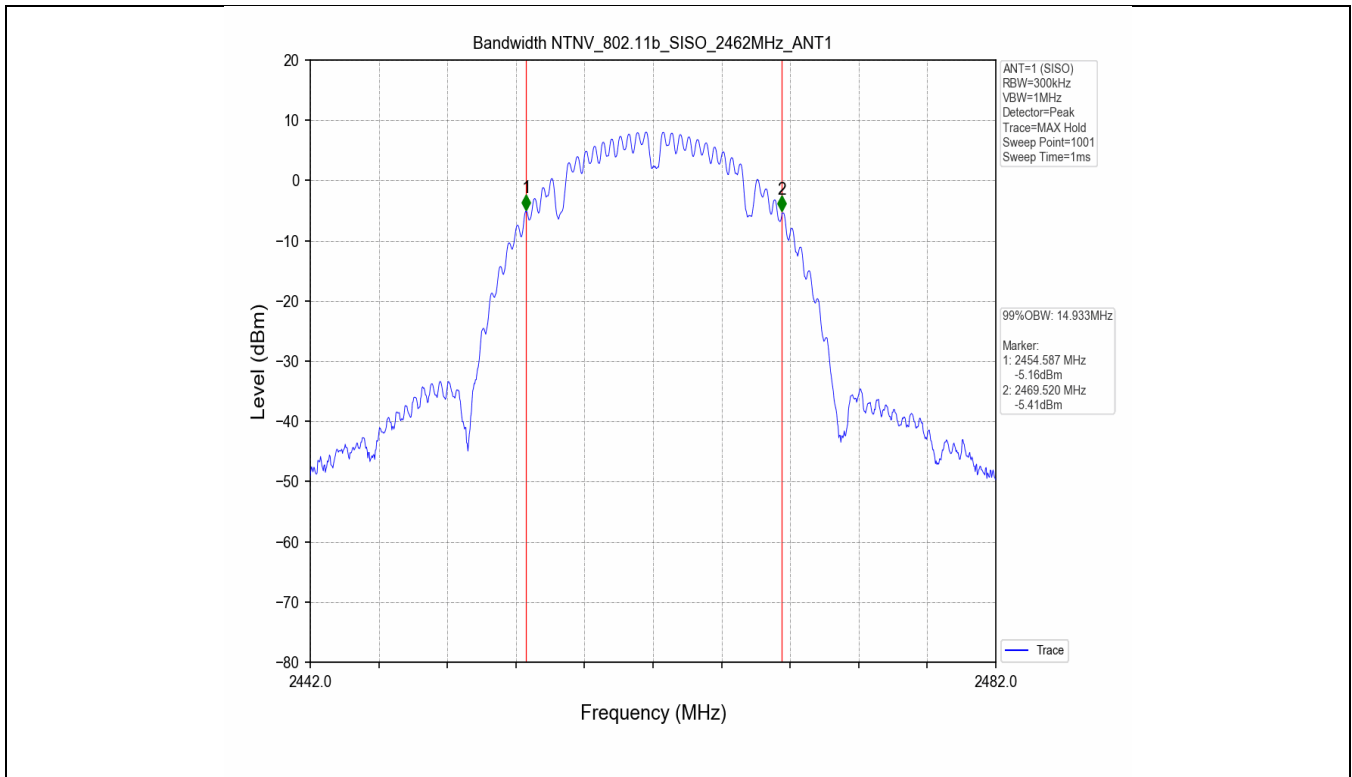


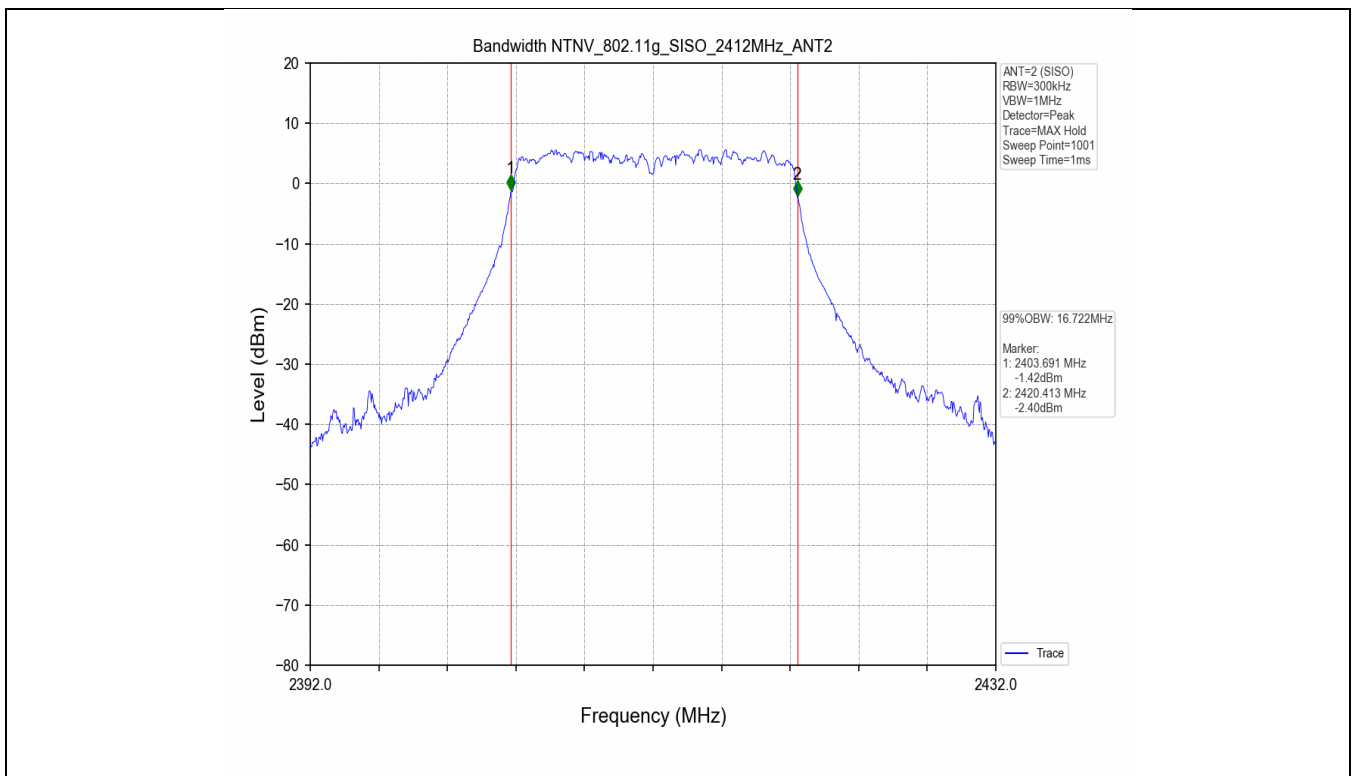
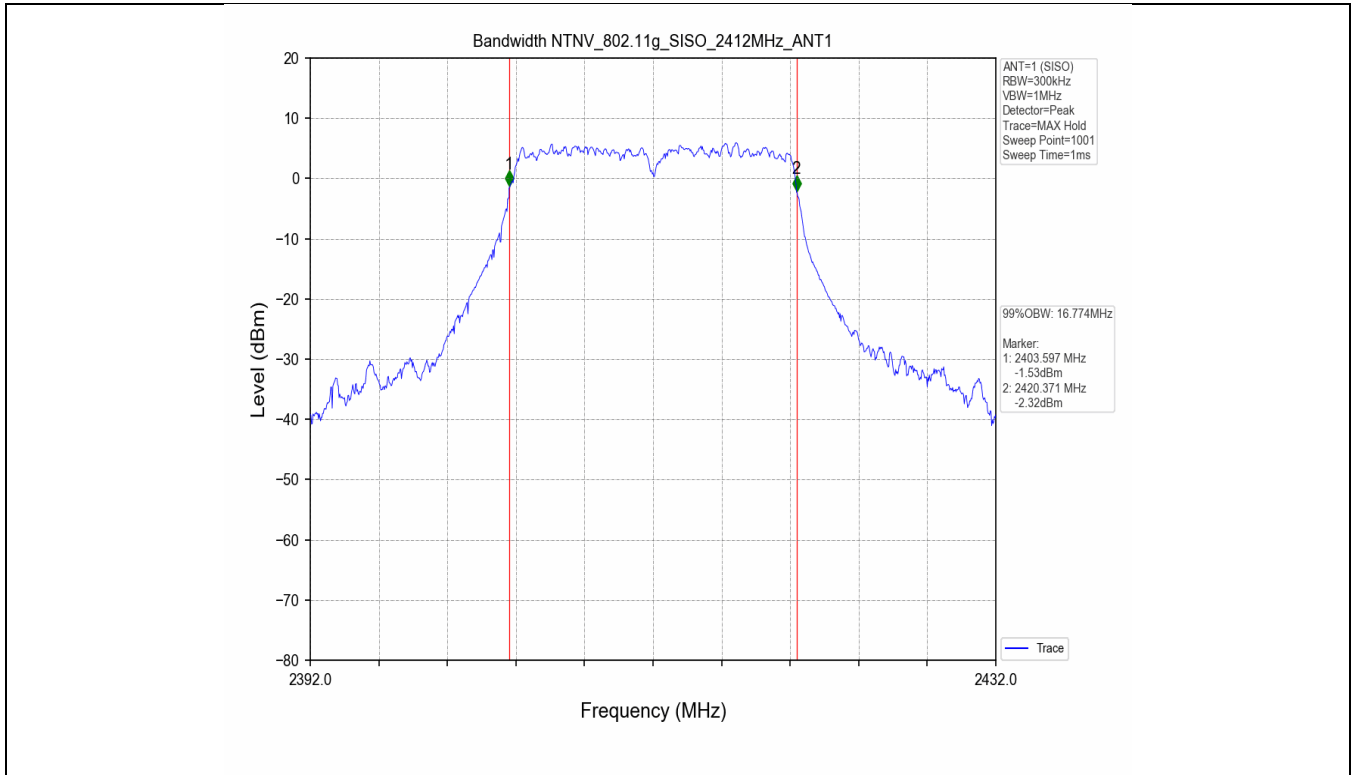


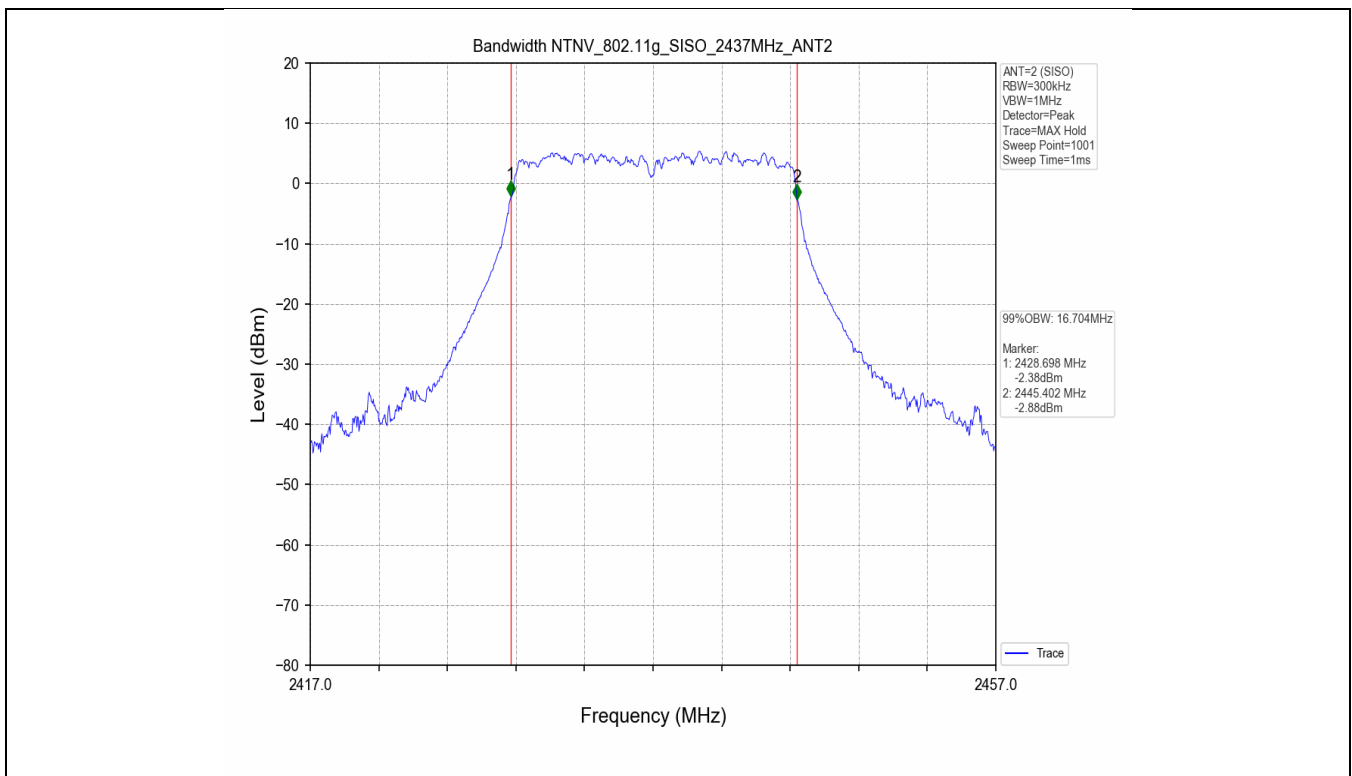
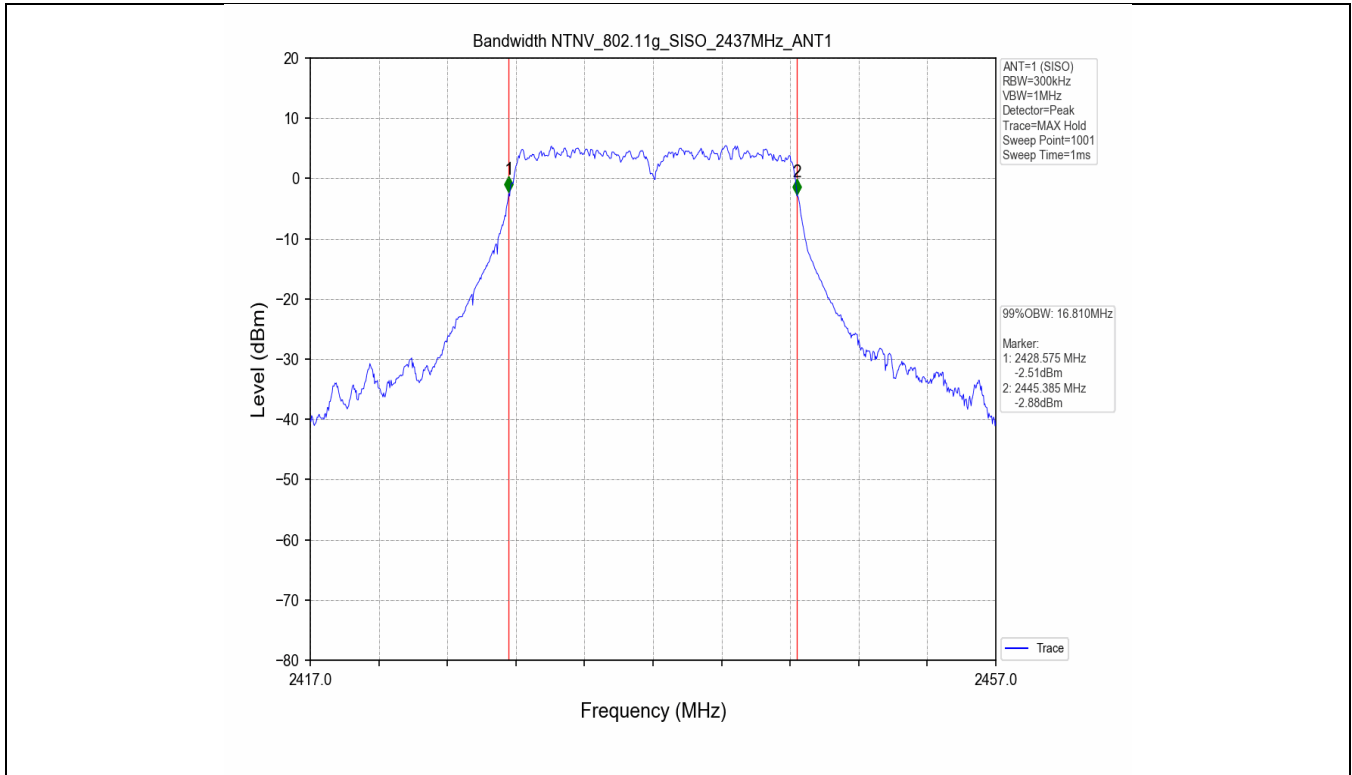
2.3 Test Graph - 99% Occupied Bandwidth

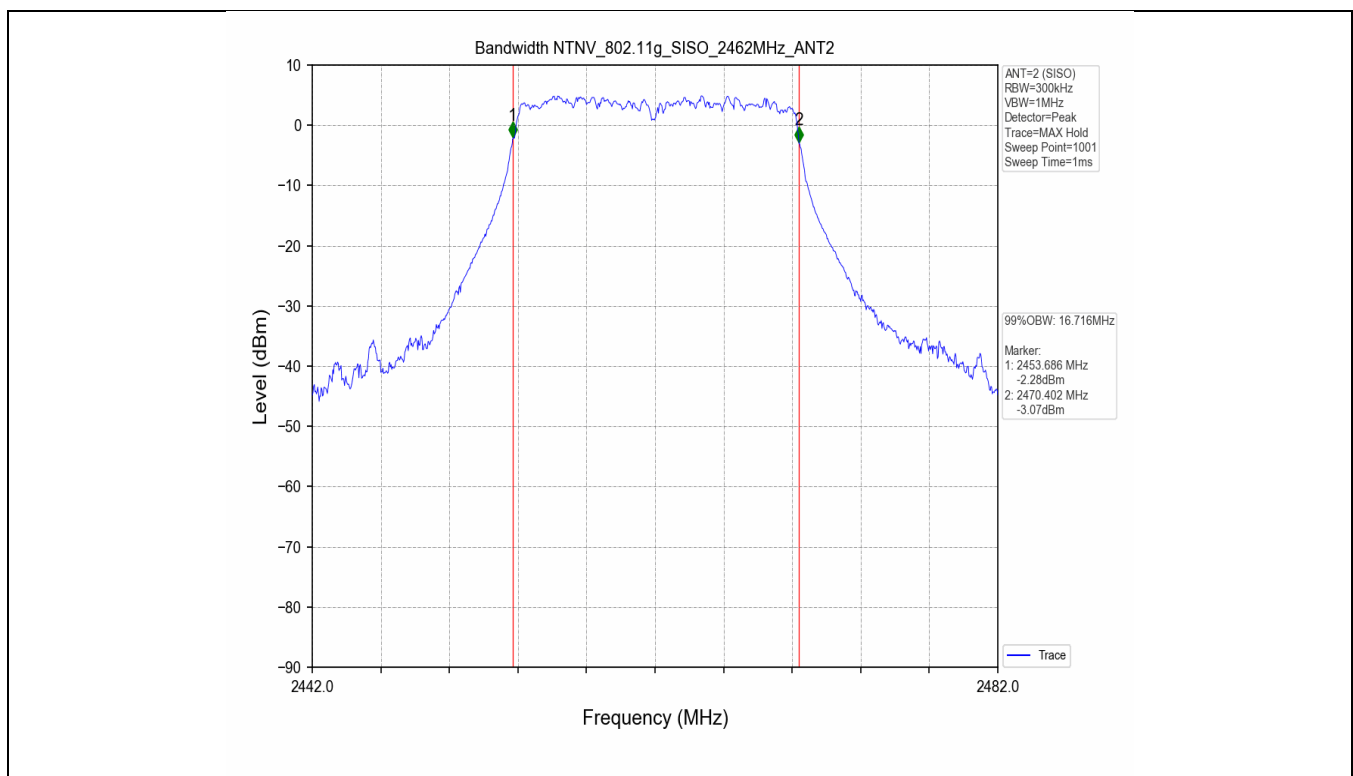
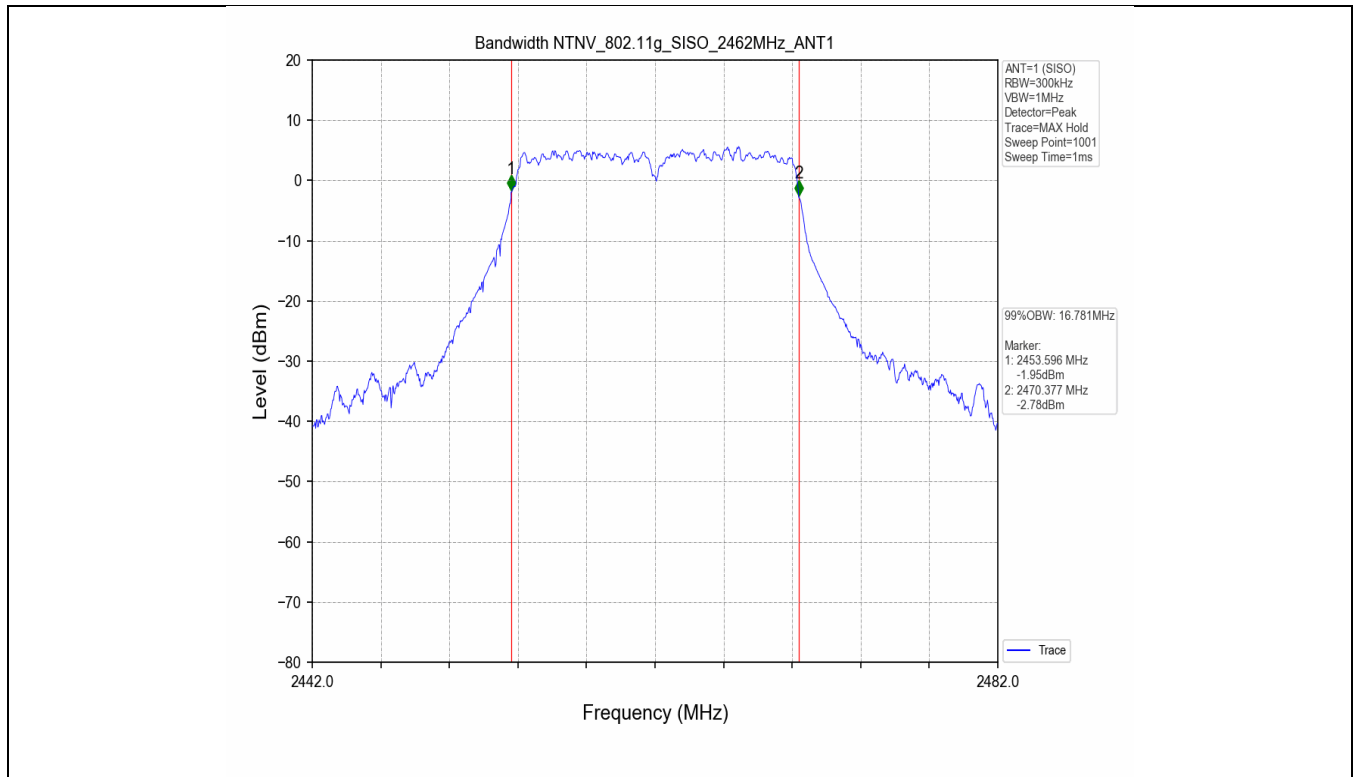


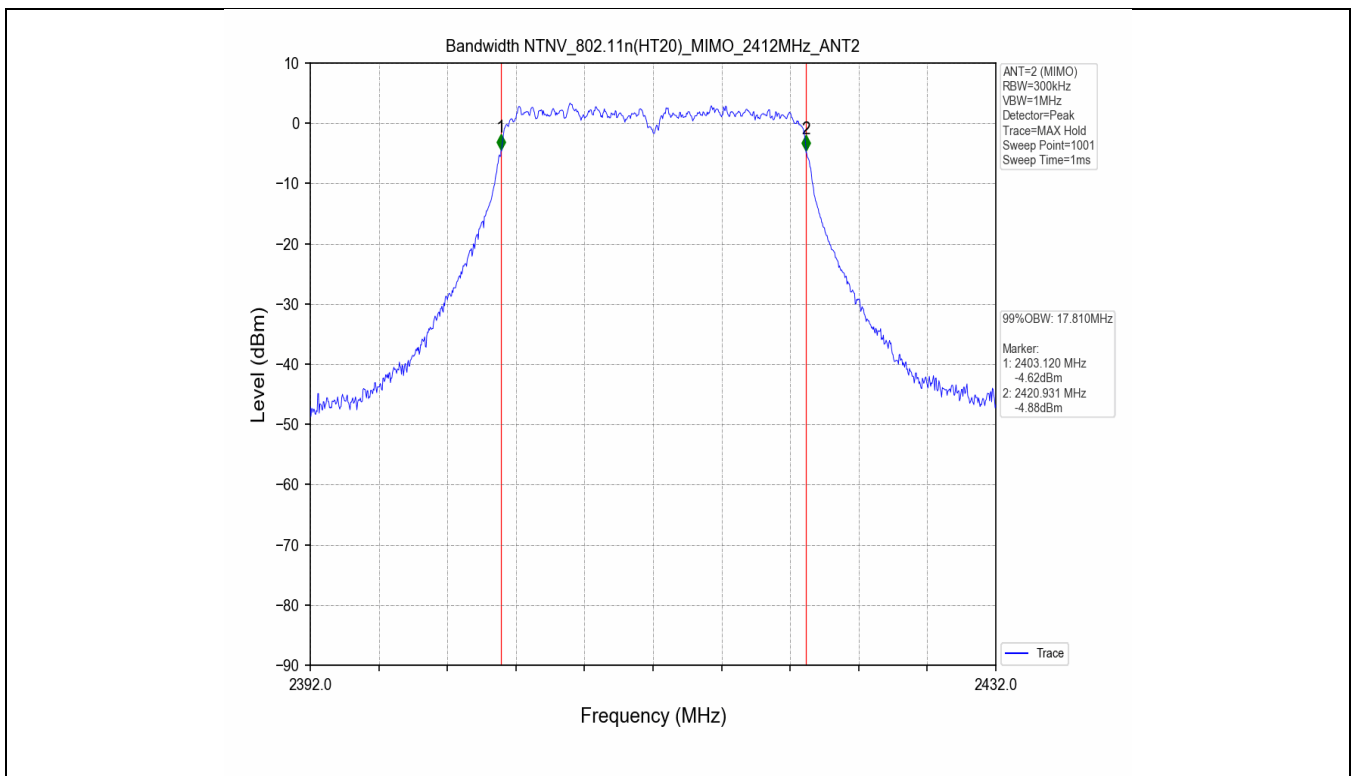
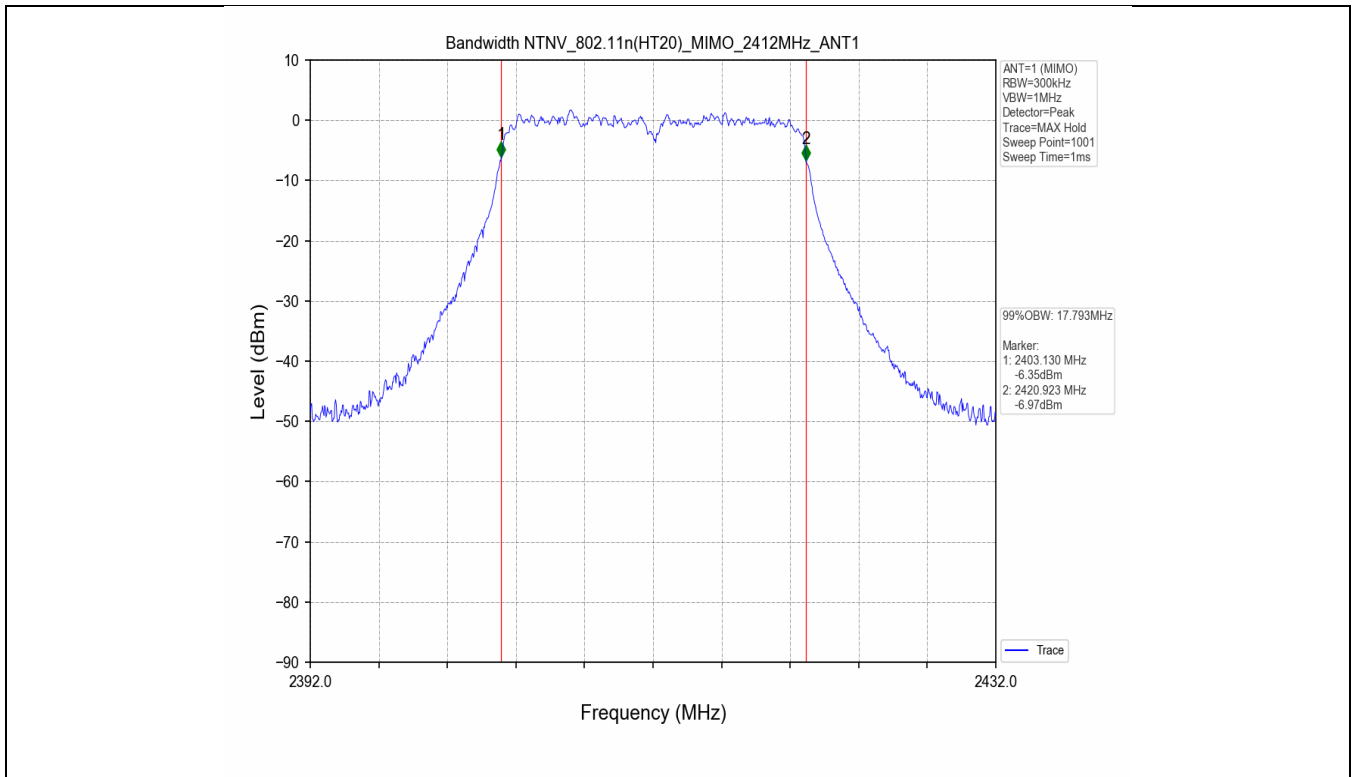


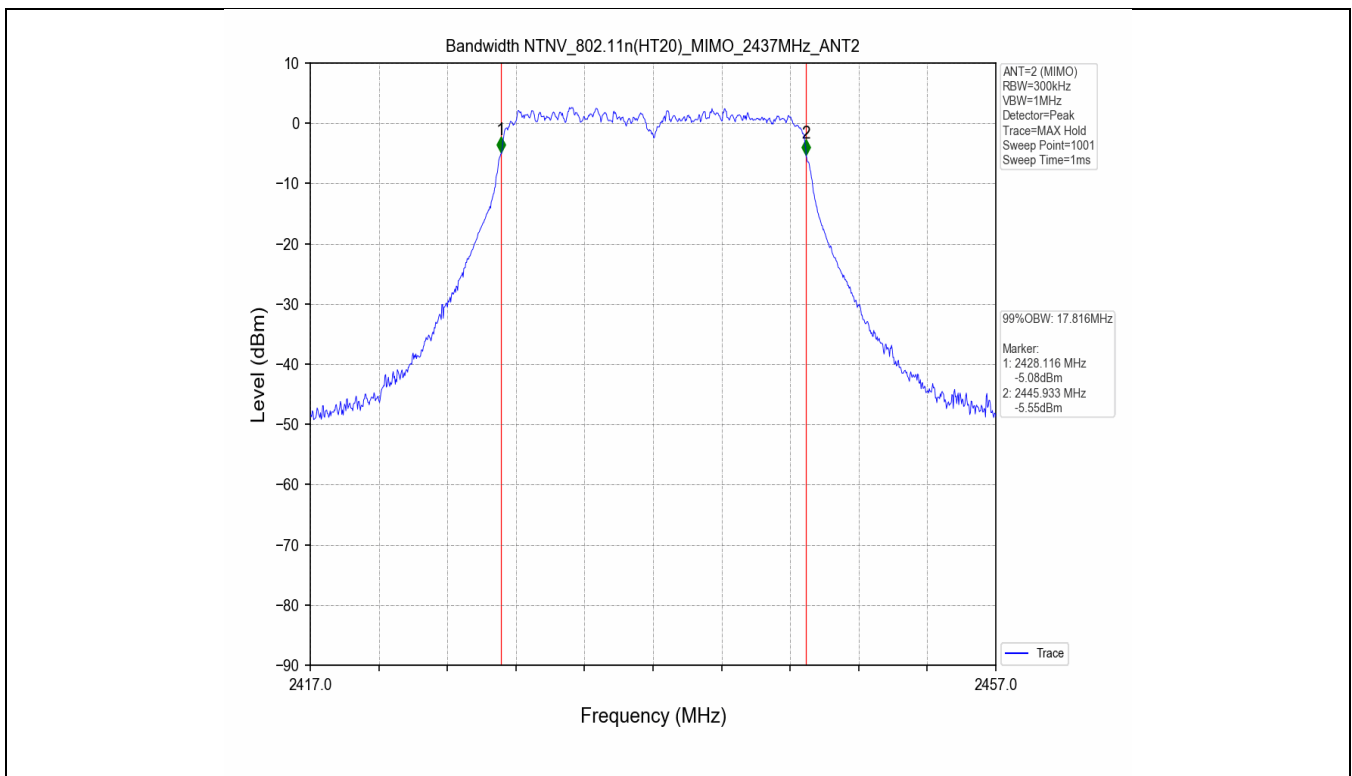
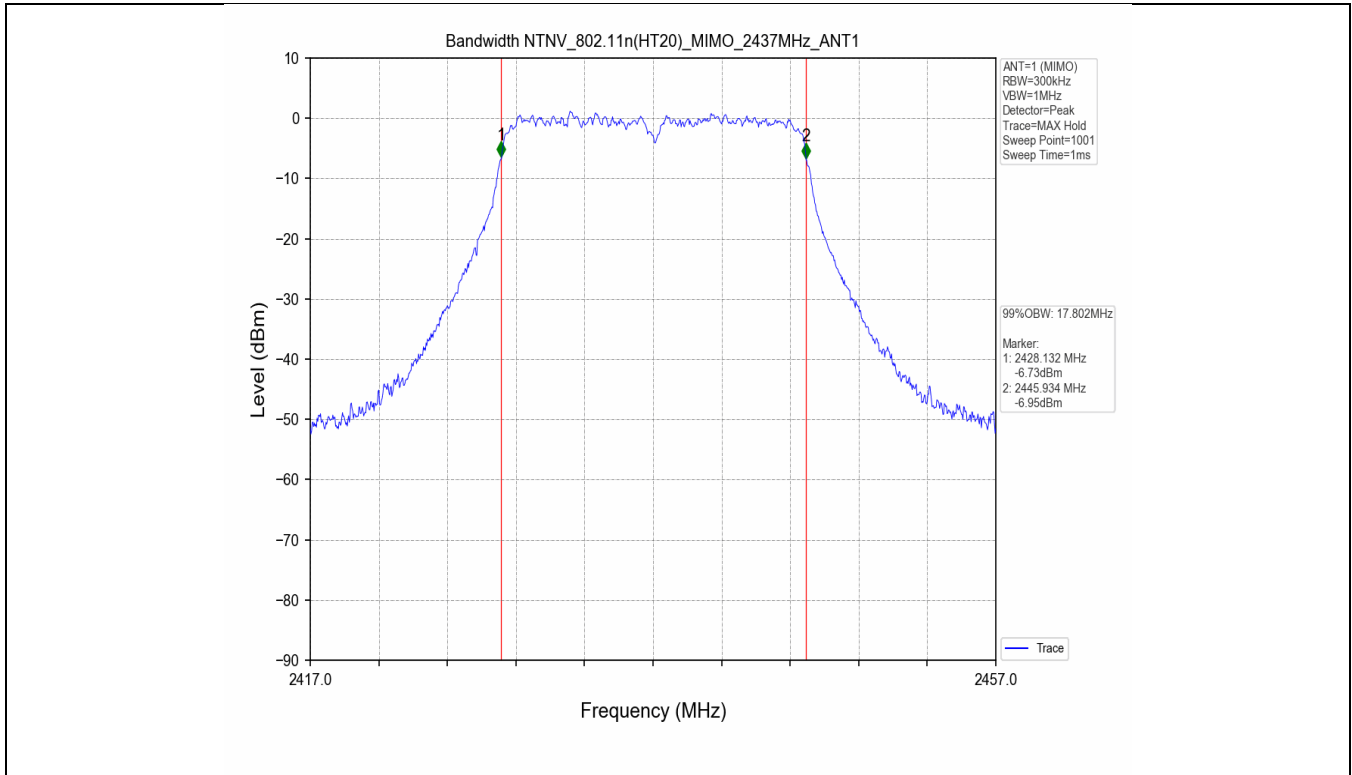


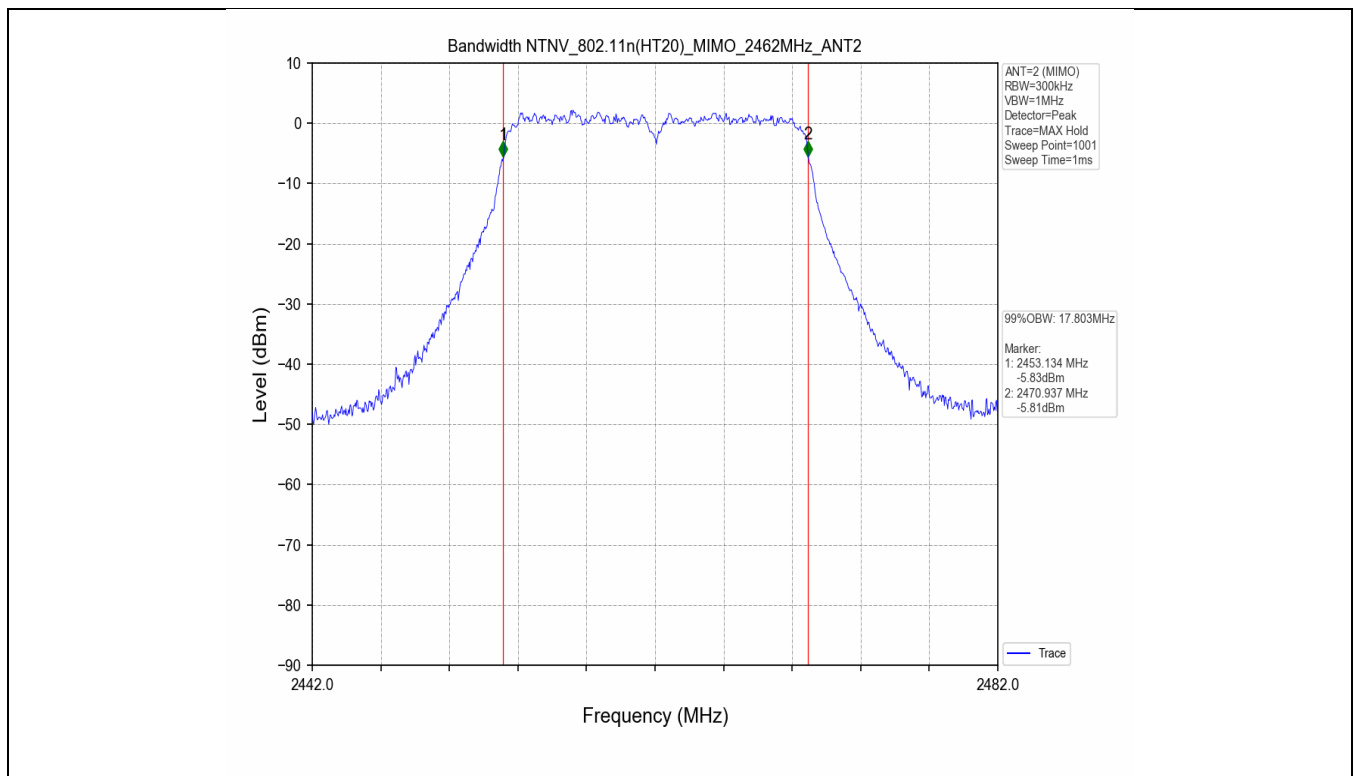
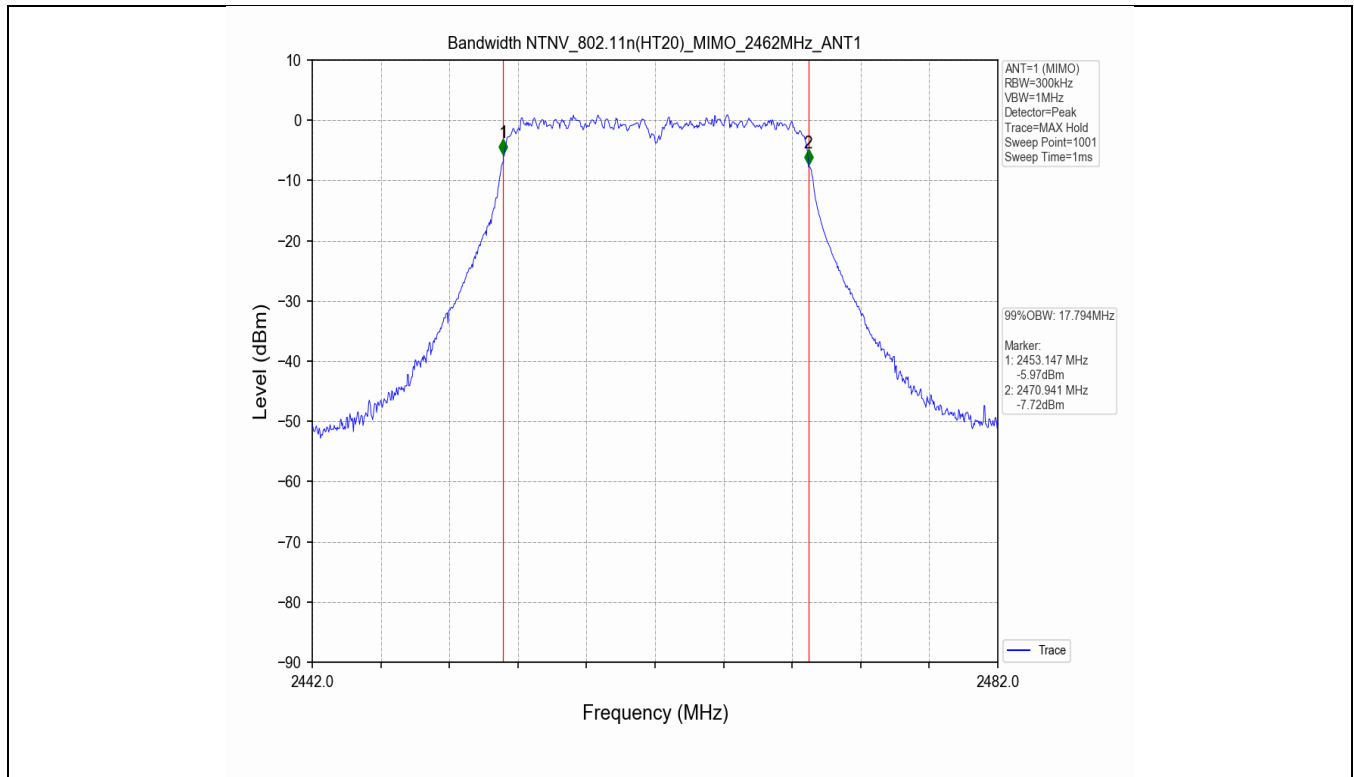


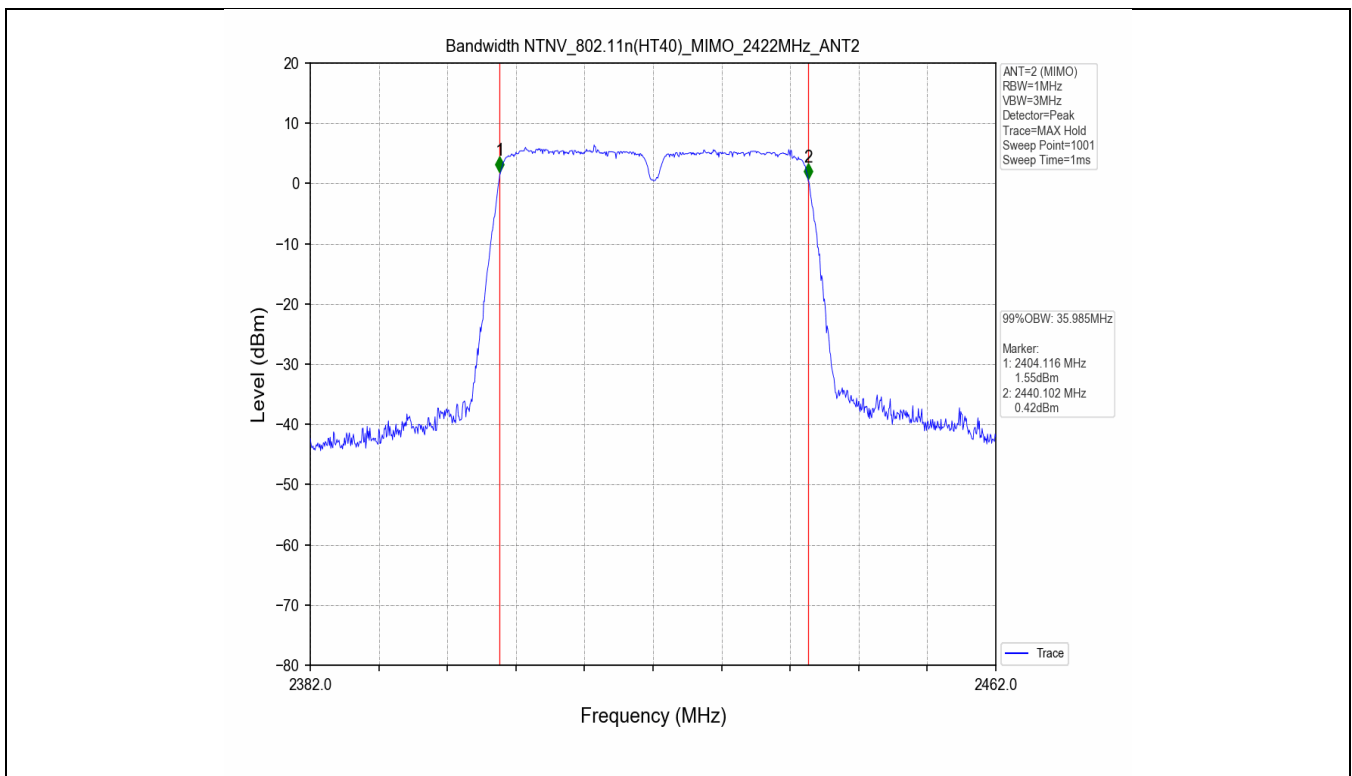
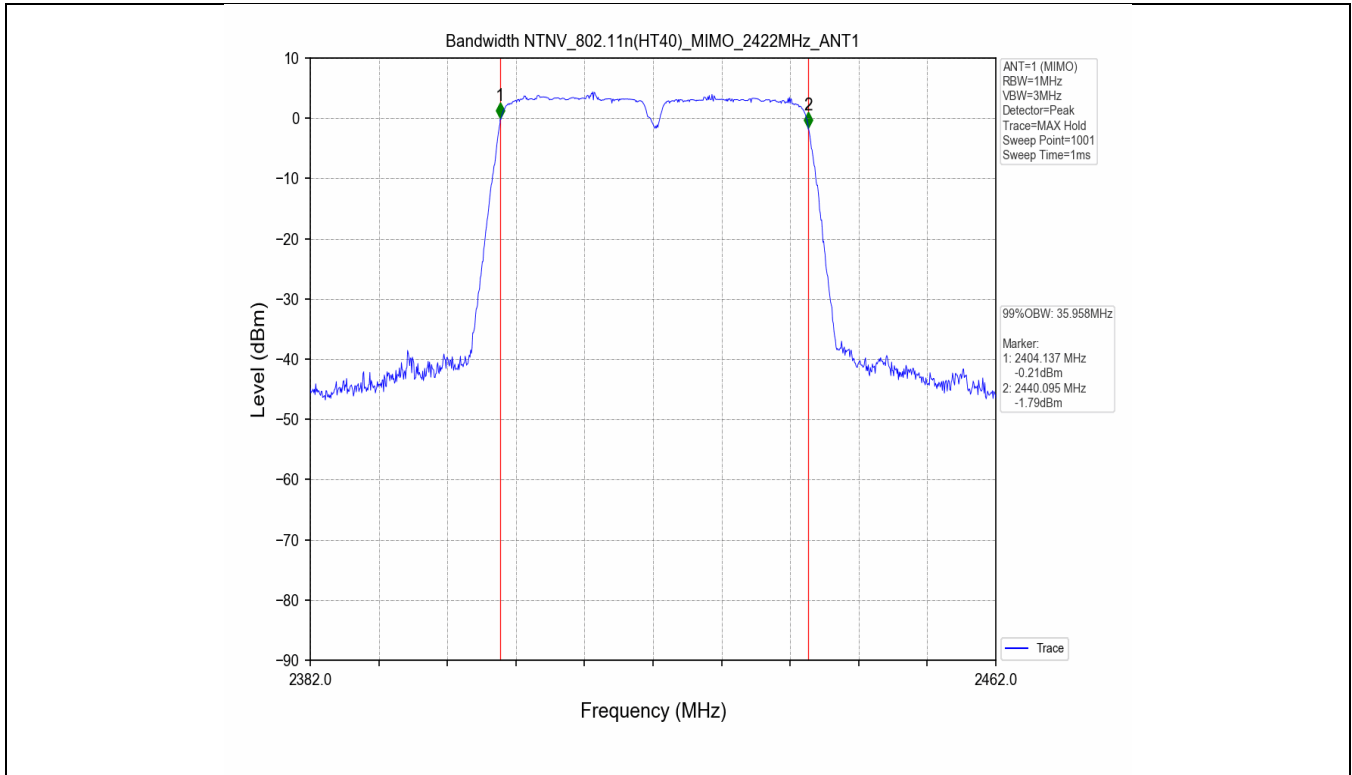


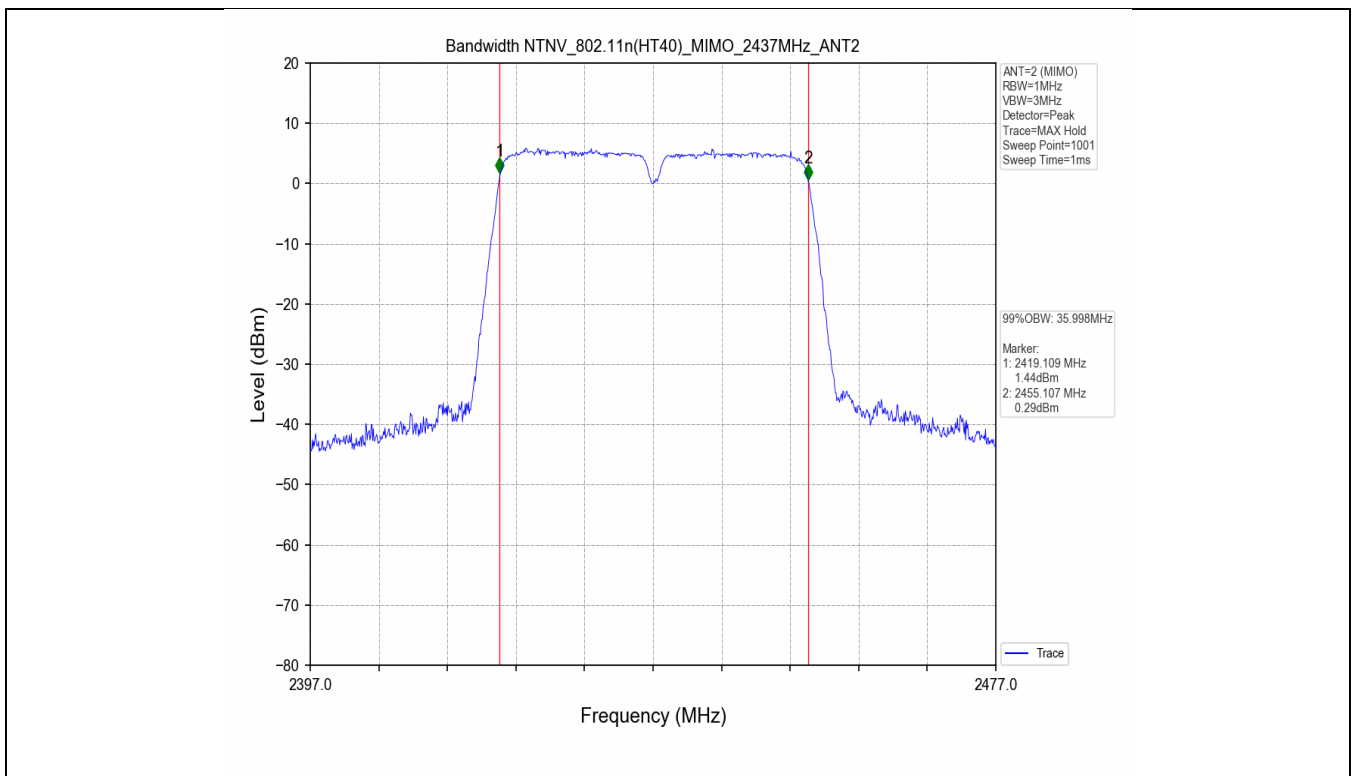
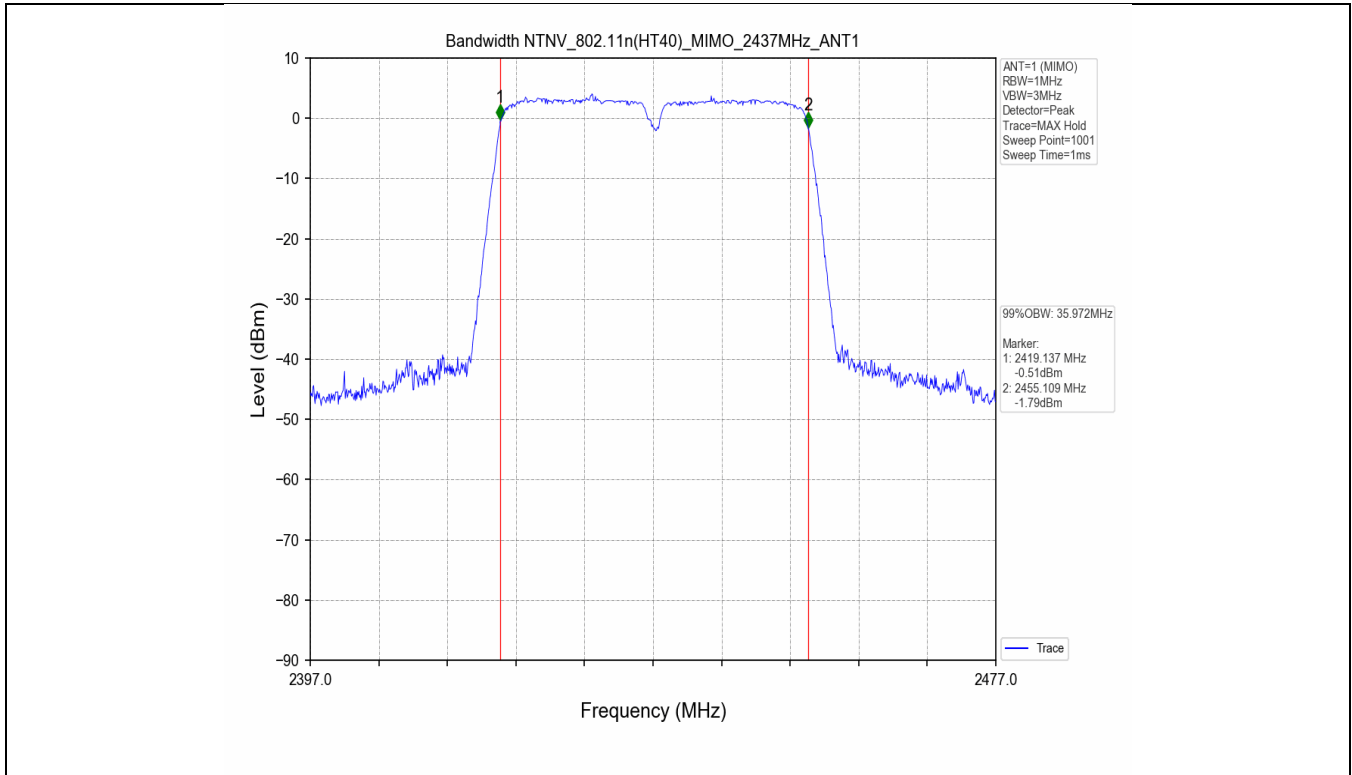


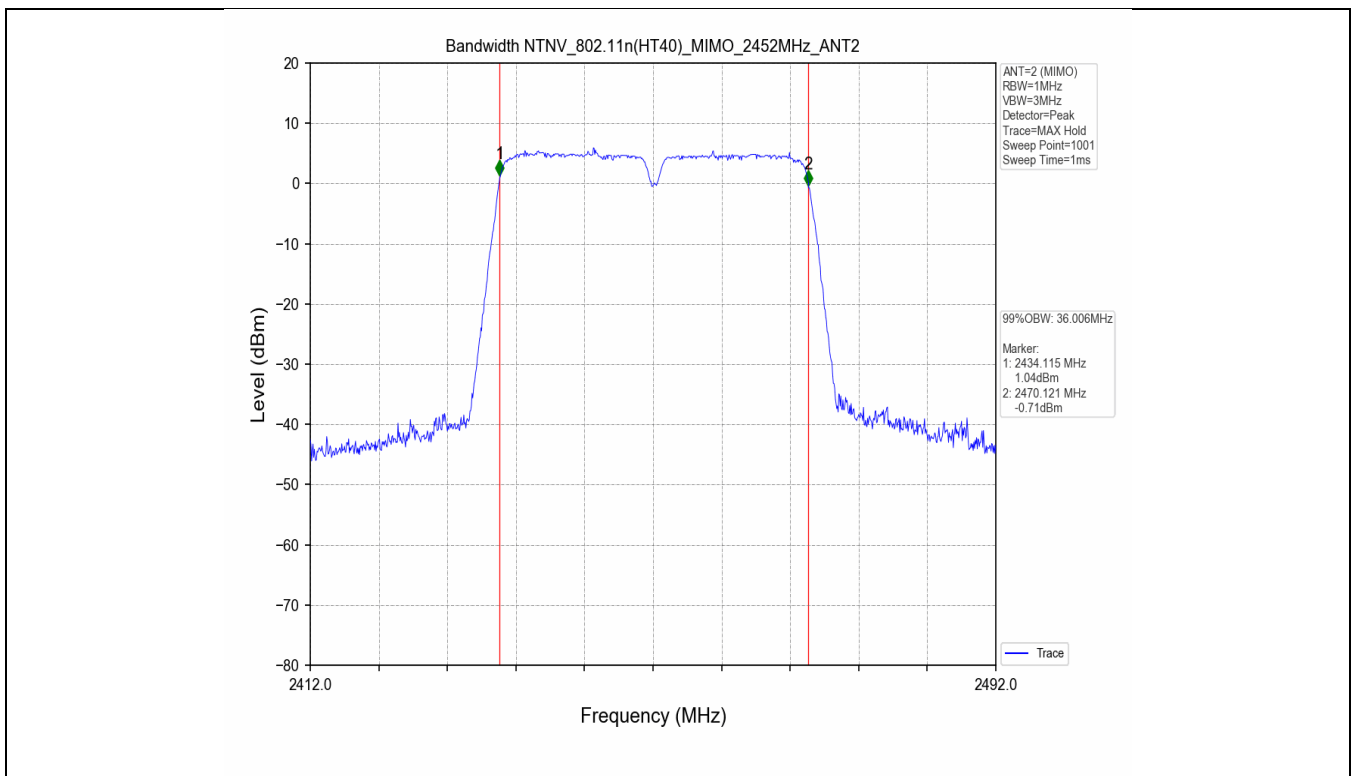
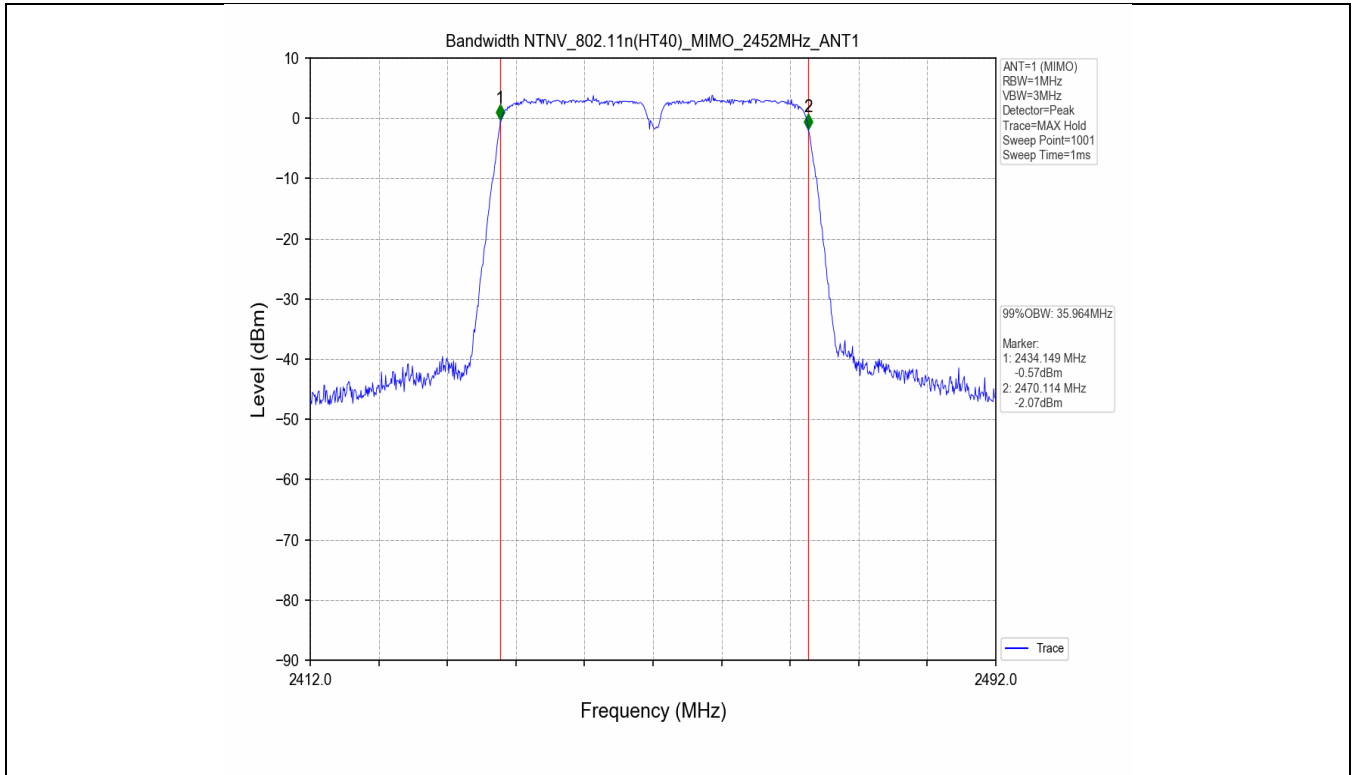












3. Maximum Conducted Output Power

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	19.71	20.01	/	30	PASS
	2437	SISO	19.30	19.55	/	30	PASS
	2462	SISO	19.19	19.14	/	30	PASS
802.11g	2412	SISO	22.23	22.18	/	30	PASS
	2437	SISO	21.91	21.84	/	30	PASS
	2462	SISO	21.89	21.47	/	30	PASS
802.11n(HT20)	2412	MIMO	18.24	20.03	22.24	30	PASS
	2437	MIMO	17.90	19.47	21.77	30	PASS
	2462	MIMO	17.82	19.07	21.50	30	PASS
802.11n(HT40)	2422	MIMO	18.02	20.08	22.18	30	PASS
	2437	MIMO	17.73	19.87	21.94	30	PASS
	2452	MIMO	17.85	19.58	21.81	30	PASS

3.2 Test Graph

