



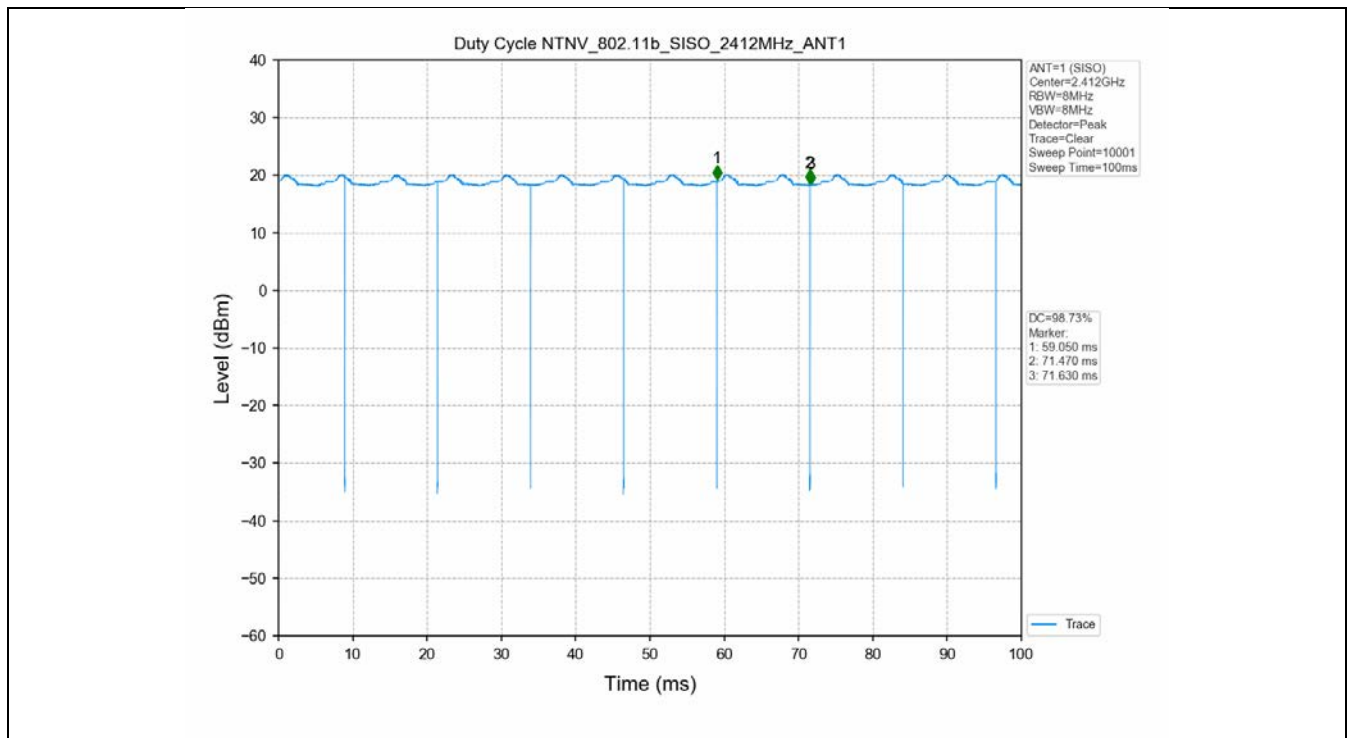
Appendix A for SHEM200600462801

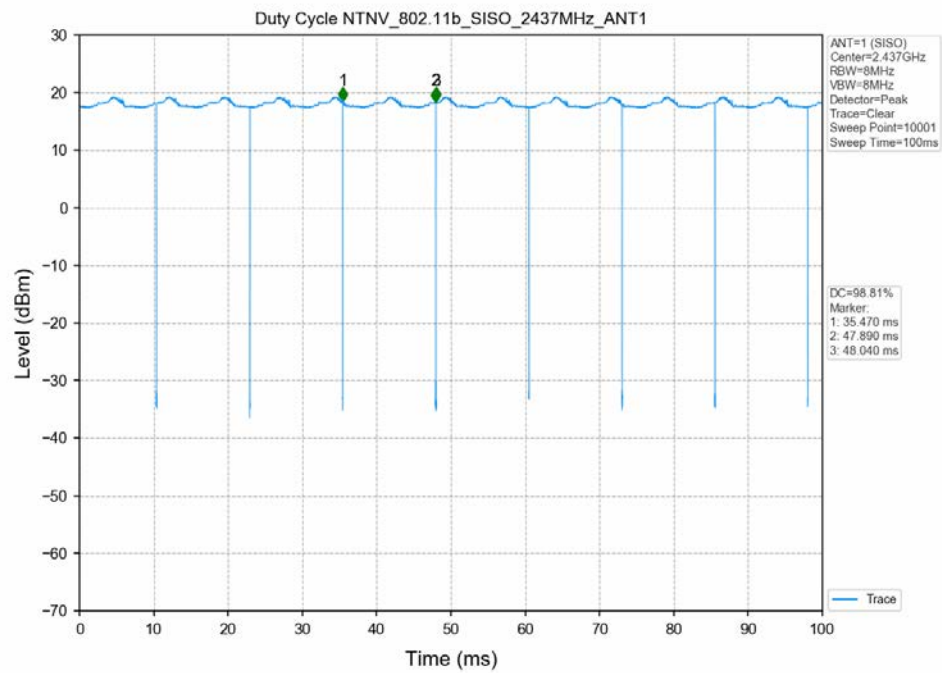
1. Duty Cycle

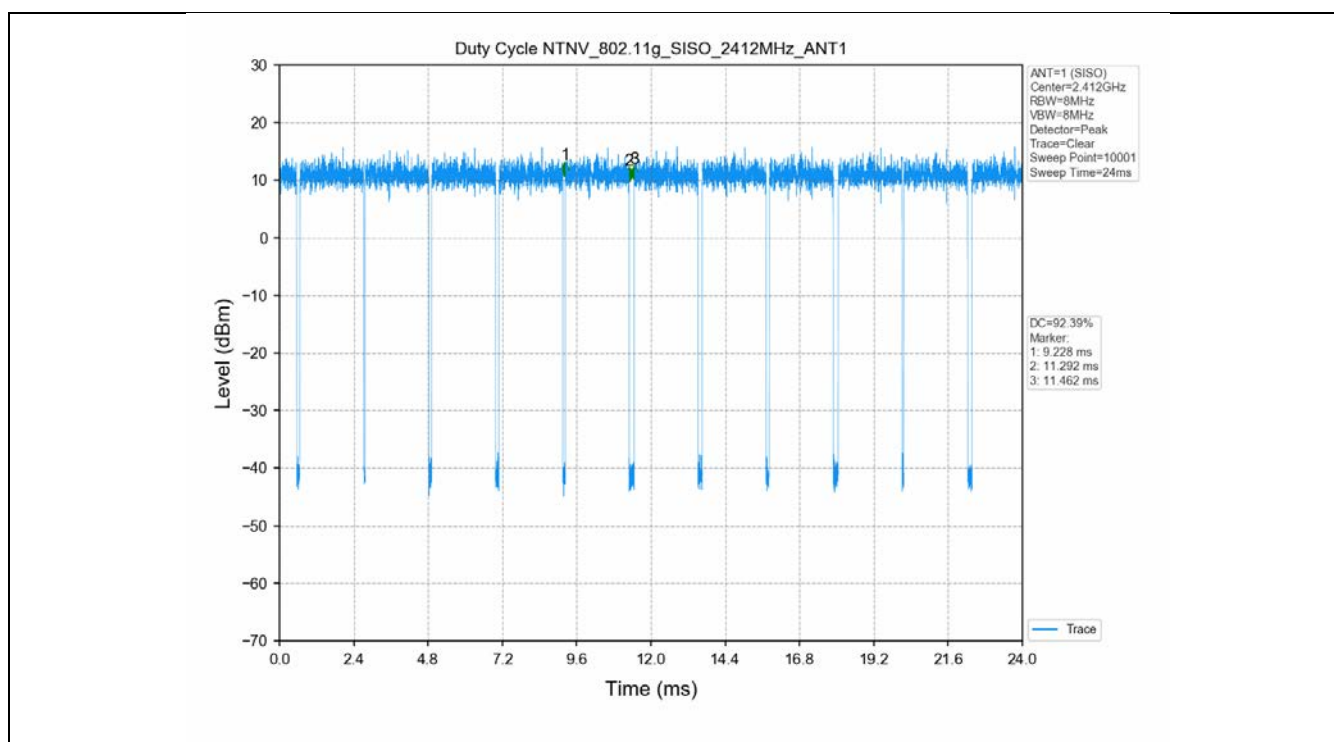
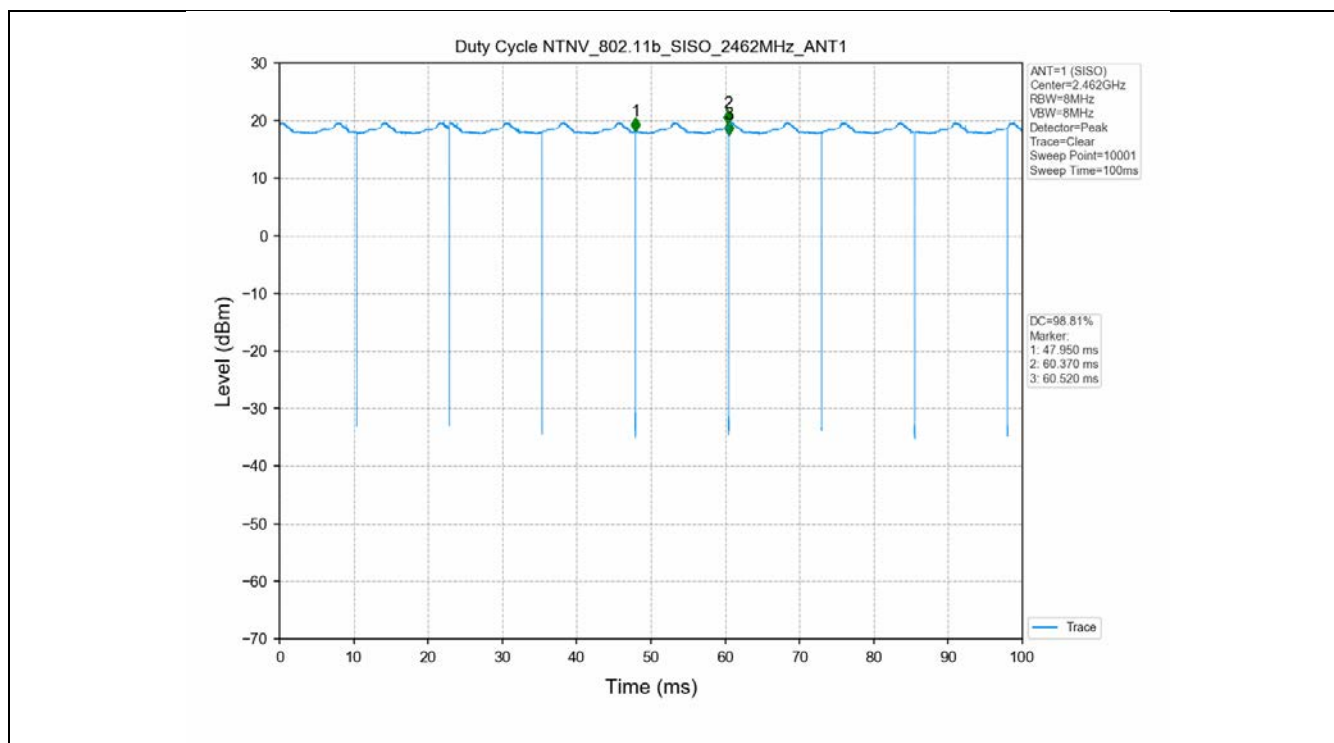
1.1 Test Result

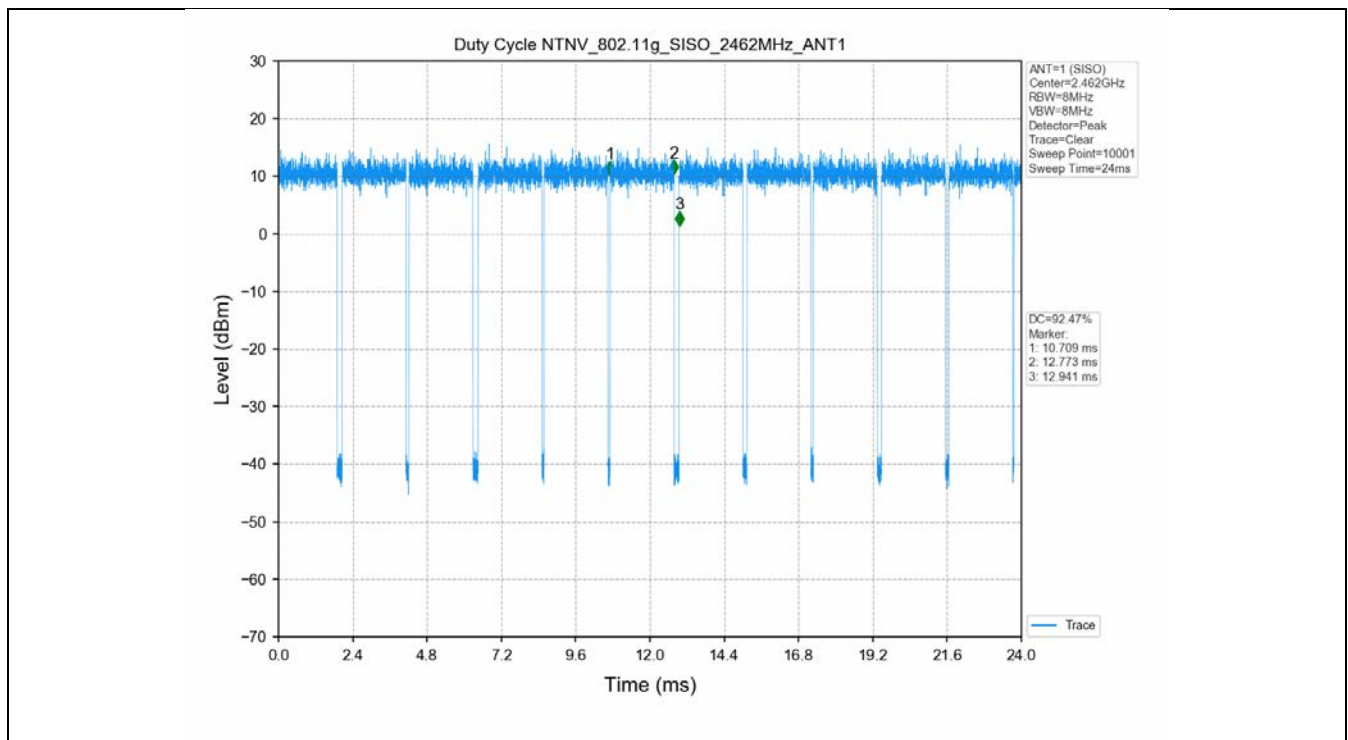
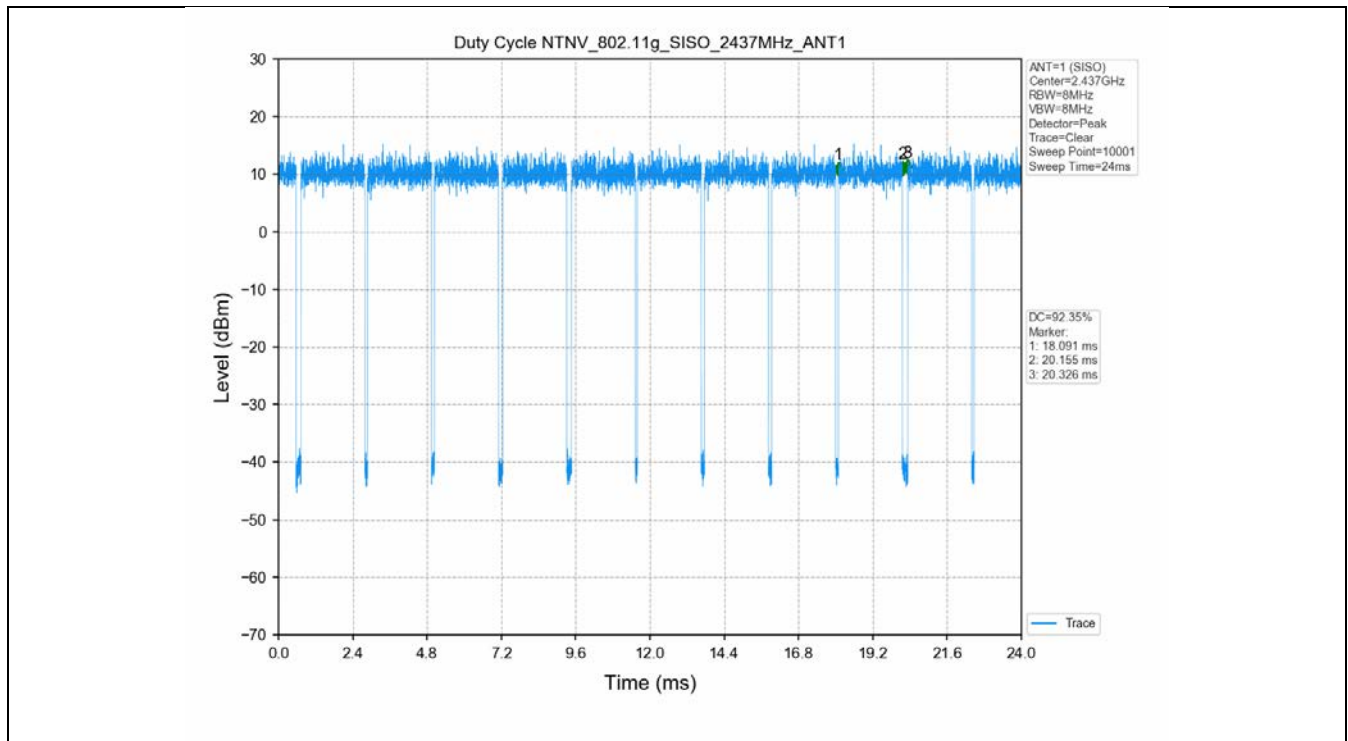
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.580	98.73	0.06
	2437	SISO	1	12.420	12.570	98.81	0.05
	2462	SISO	1	12.420	12.570	98.81	0.05
802.11g	2412	SISO	1	2.064	2.234	92.39	0.34
	2437	SISO	1	2.064	2.235	92.35	0.35
	2462	SISO	1	2.064	2.232	92.47	0.34
802.11n(HT20)	2412	MIMO	1	1.890	2.058	91.84	0.37
	2437	MIMO	1	1.921	2.064	93.07	0.31
	2462	MIMO	1	1.921	2.072	92.71	0.33
802.11n(HT40)	2422	MIMO	1	0.918	1.081	84.92	0.71
	2437	MIMO	1	0.916	1.073	85.37	0.69
	2452	MIMO	1	0.916	1.037	88.33	0.54

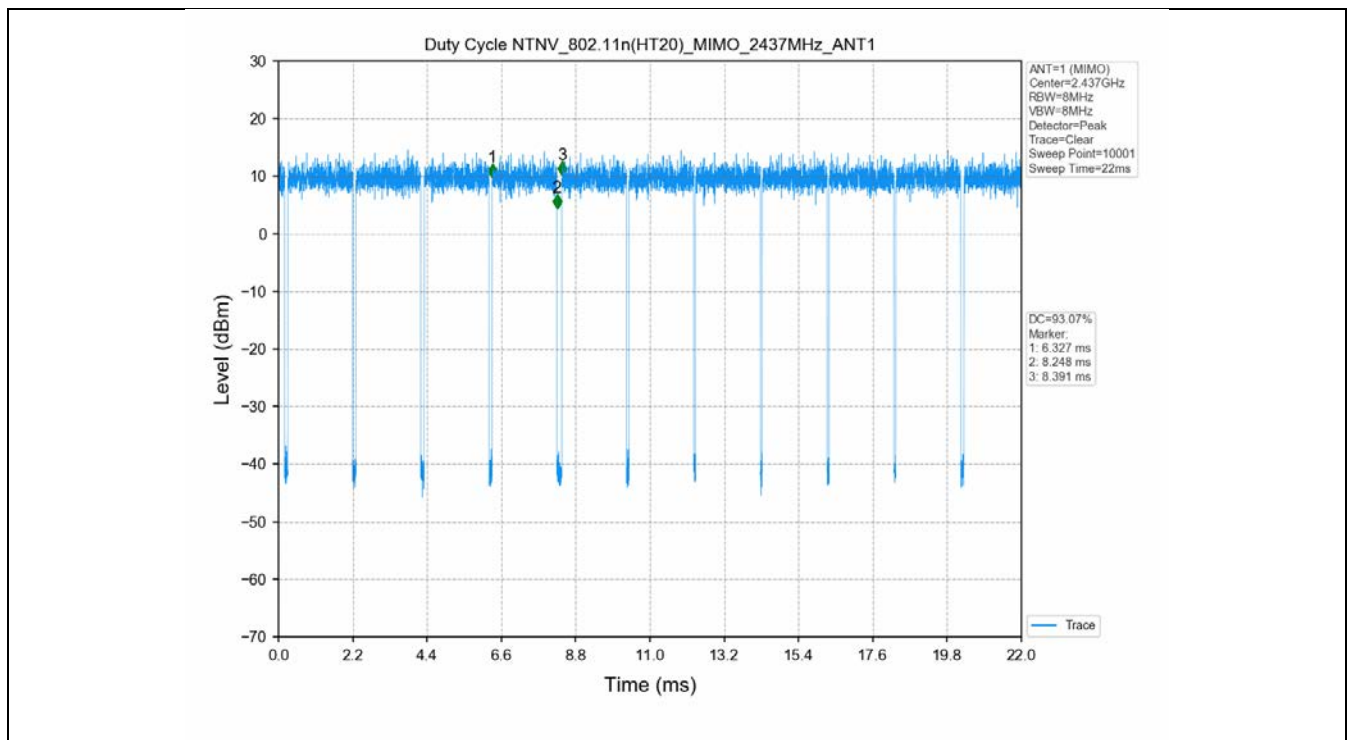
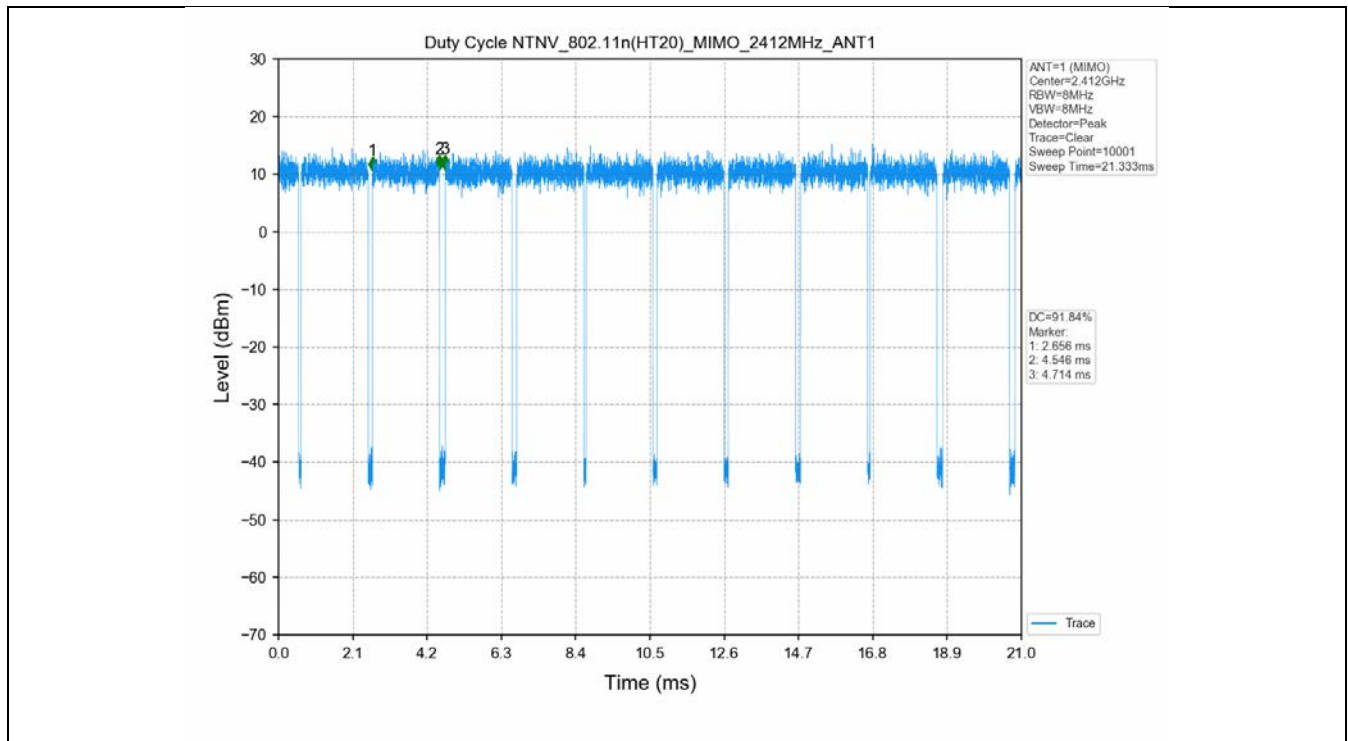
1.2 Test Graph

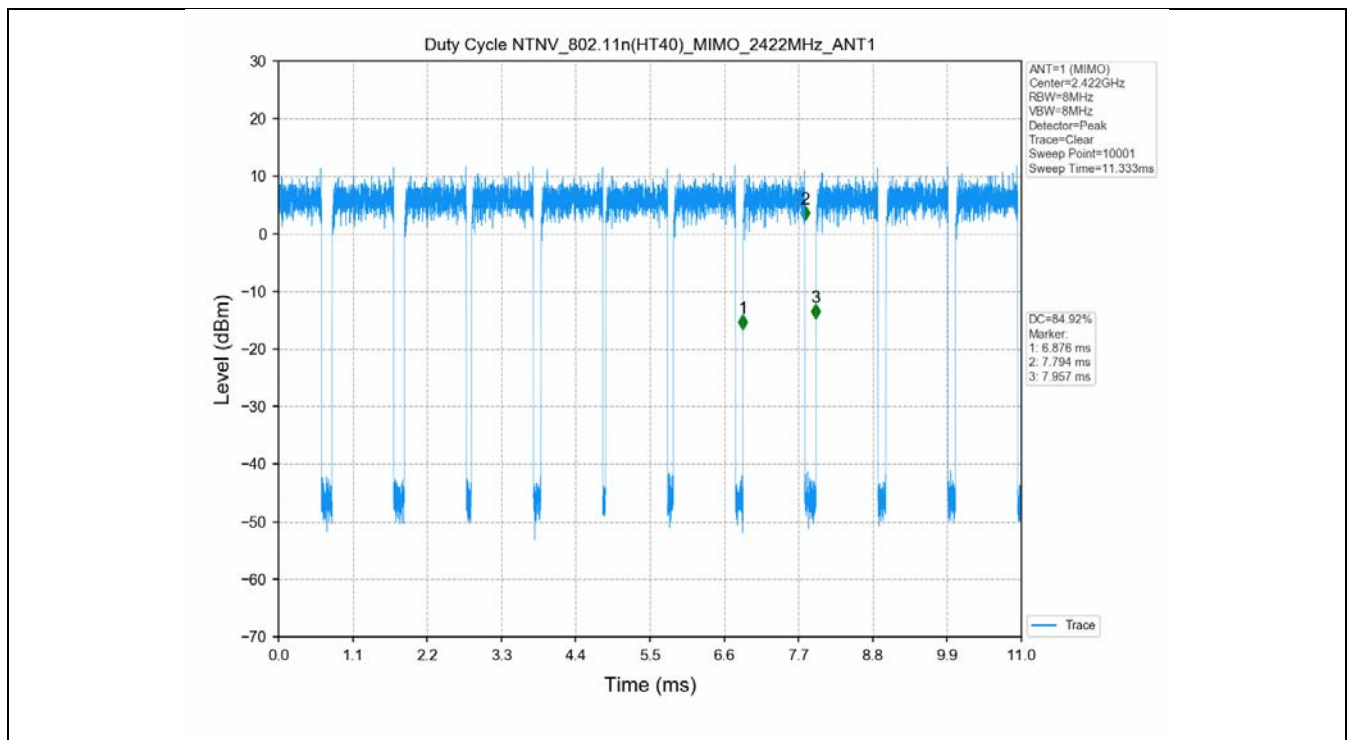
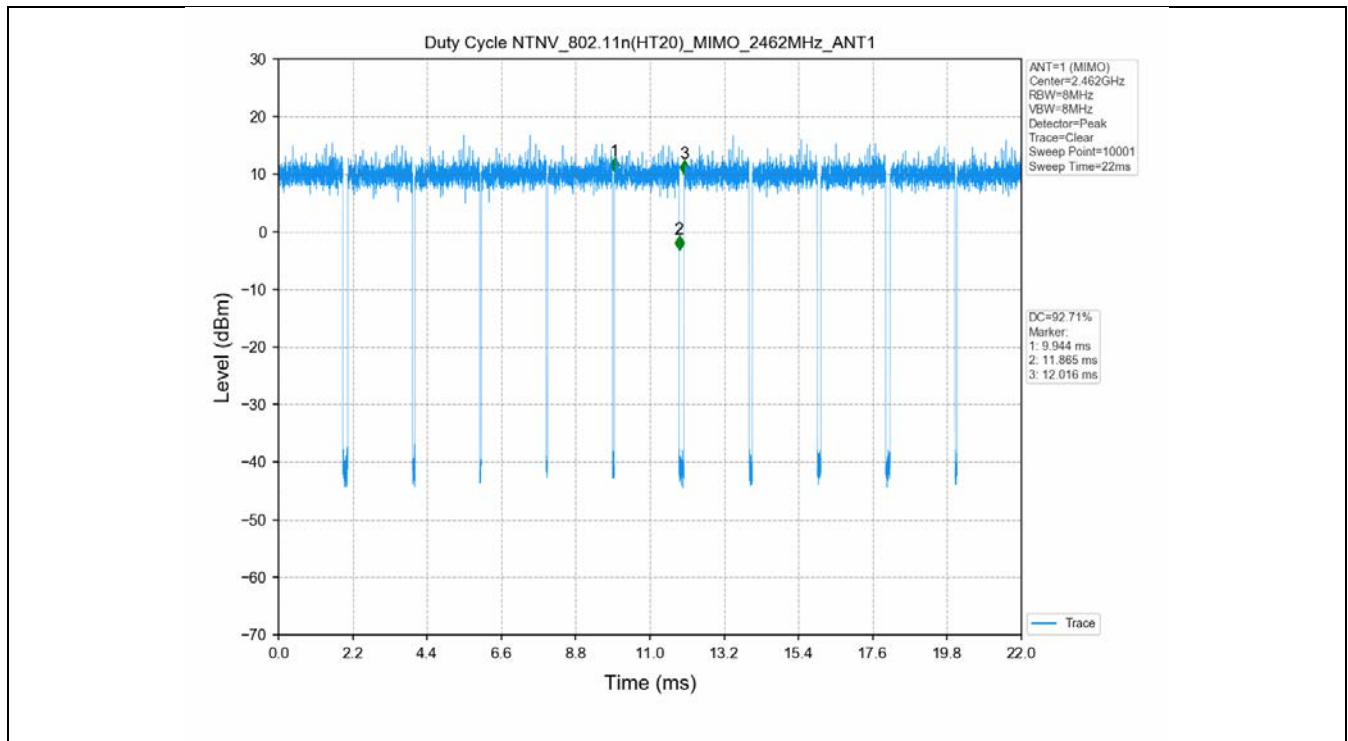


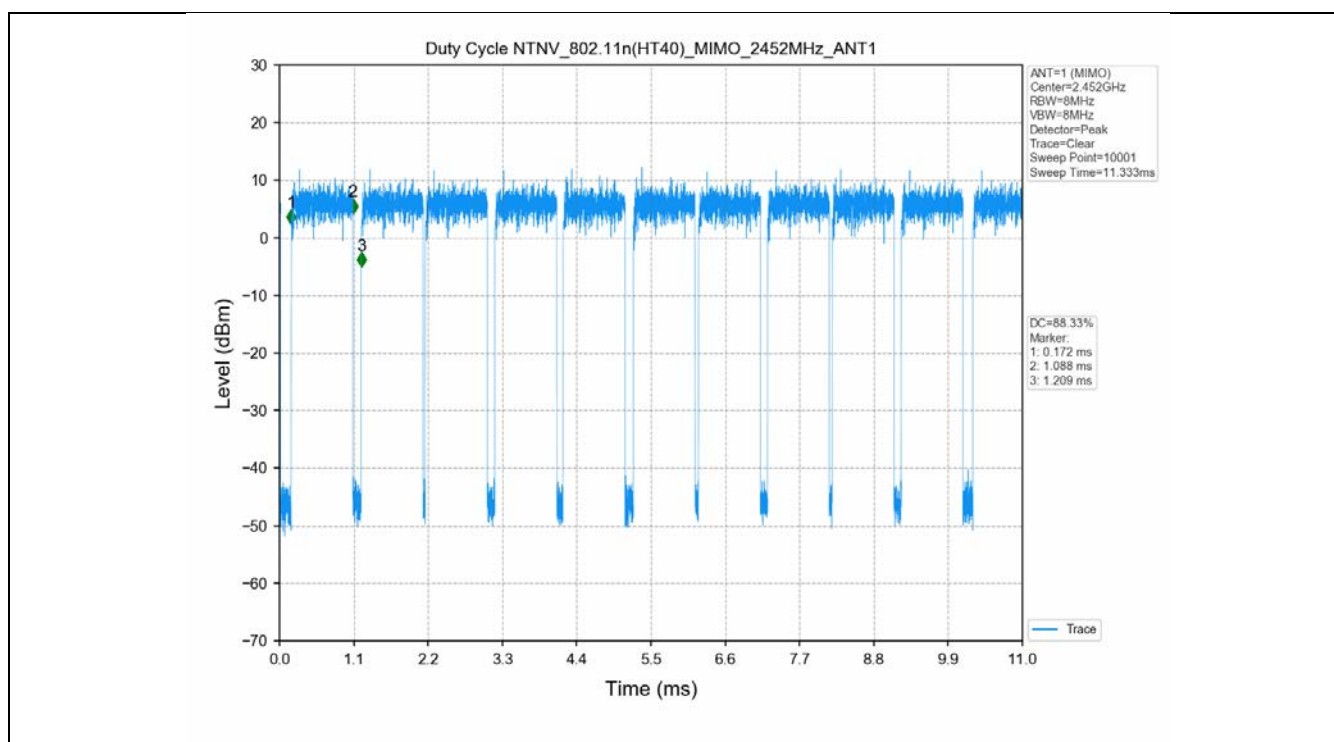
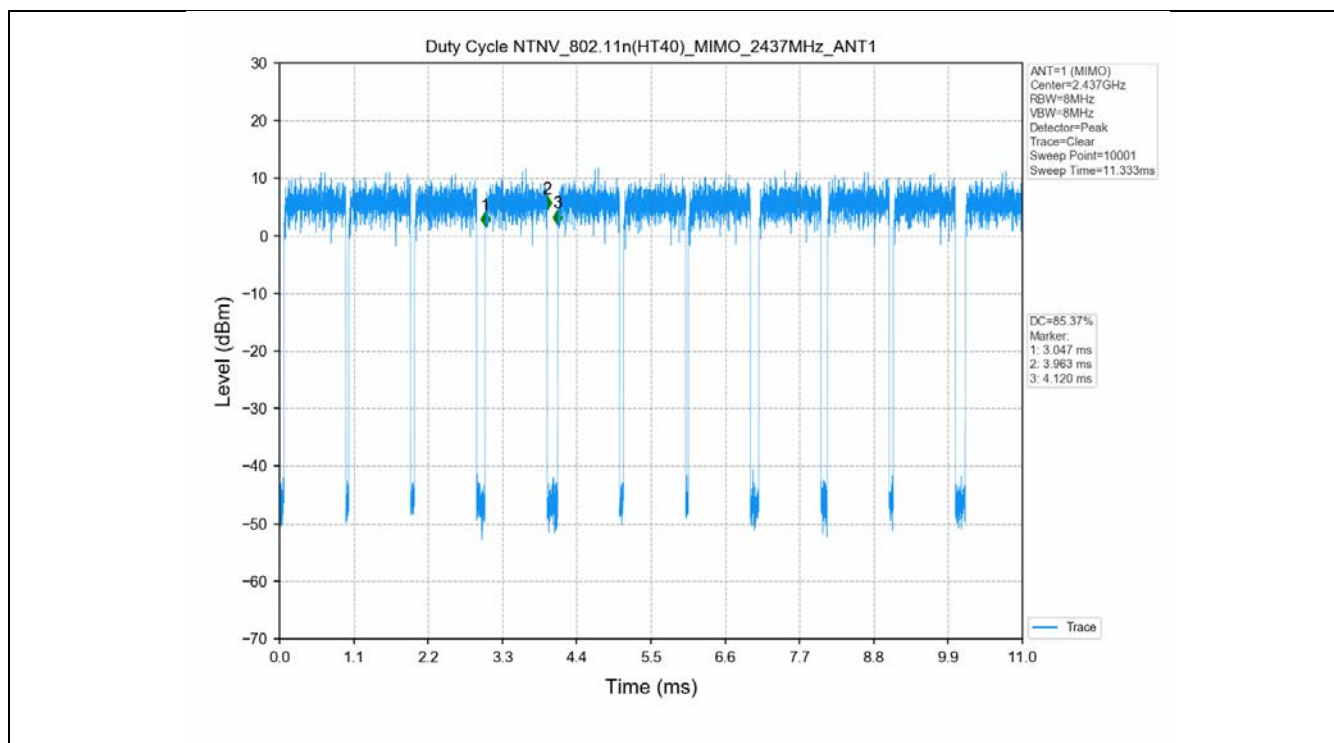














2. Bandwidth

2.1 Test Result

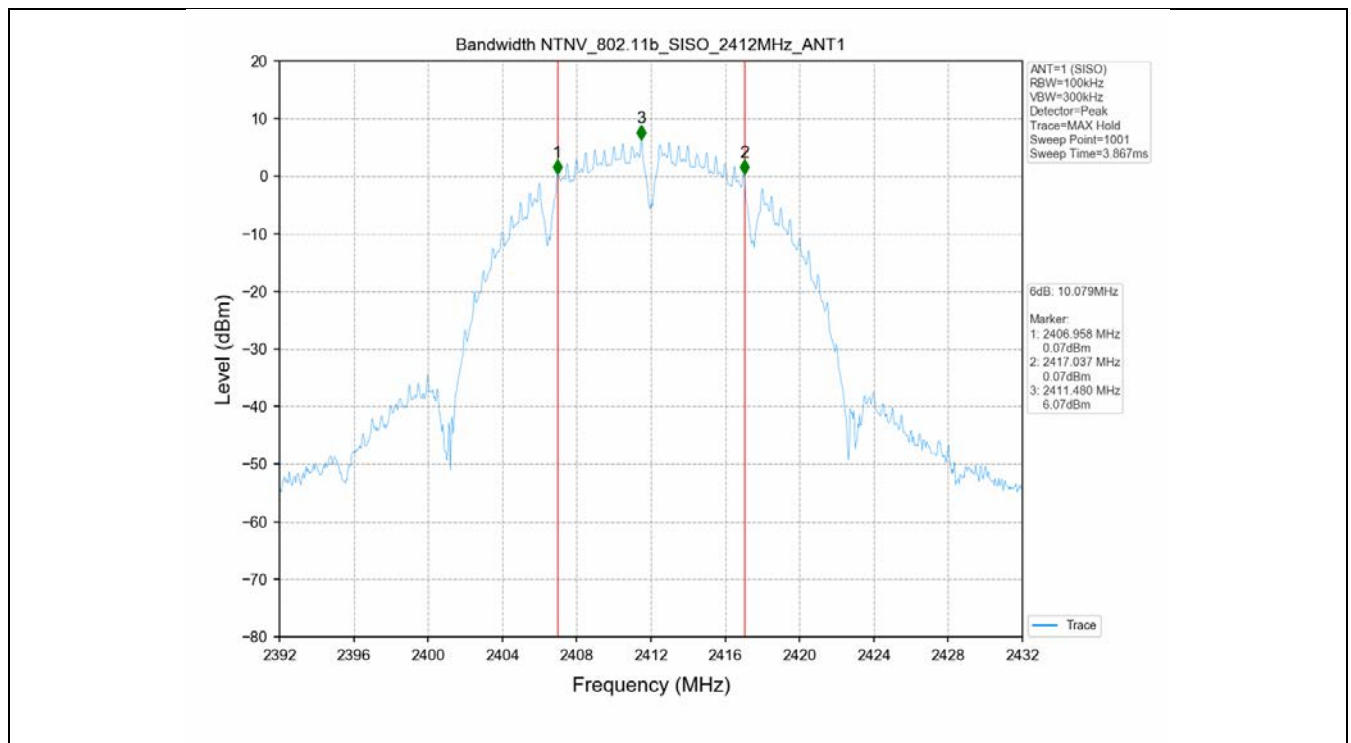
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth					Verdict
				Test Result (MHz)	Limits (MHz)	1.5*BW (MHz)	Span using in the PSD (MHz)	Span using in the Power (MHz)	
802.11b	2412	SISO	1	10.079	≥0.5	15.119	15.119	15.119	PASS
			2	10.097	≥0.5	15.146	15.146	15.146	PASS
	2437	SISO	1	9.627	≥0.5	14.441	14.441	14.441	PASS
			2	10.095	≥0.5	15.143	15.143	15.143	PASS
	2462	SISO	1	10.101	≥0.5	15.152	15.152	15.152	PASS
			2	10.065	≥0.5	15.098	15.098	15.098	PASS
802.11g	2412	SISO	1	16.385	≥0.5	24.578	24.578	24.578	PASS
			2	16.396	≥0.5	24.594	24.594	24.594	PASS
	2437	SISO	1	16.410	≥0.5	24.615	24.615	24.615	PASS
			2	16.416	≥0.5	24.624	24.624	24.624	PASS
	2462	SISO	1	16.388	≥0.5	24.582	24.582	24.582	PASS
			2	16.400	≥0.5	24.600	24.600	24.600	PASS
802.11n(HT20)	2412	MIMO	1	17.580	≥0.5	26.370	26.370	26.370	PASS
			2	17.595	≥0.5	26.393	26.393	26.393	PASS
	2437	MIMO	1	17.583	≥0.5	26.375	26.375	26.375	PASS
			2	17.608	≥0.5	26.412	26.412	26.412	PASS
	2462	MIMO	1	17.589	≥0.5	26.384	26.384	26.384	PASS
			2	17.548	≥0.5	26.322	26.322	26.322	PASS
802.11n(HT40)	2422	MIMO	1	35.712	≥0.5	53.568	53.568	53.568	PASS
			2	35.773	≥0.5	53.660	53.660	53.660	PASS
	2437	MIMO	1	35.561	≥0.5	53.342	53.342	53.342	PASS
			2	35.677	≥0.5	53.516	53.516	53.516	PASS
	2452	MIMO	1	35.742	≥0.5	53.613	53.613	53.613	PASS
			2	35.513	≥0.5	53.270	53.270	53.270	PASS

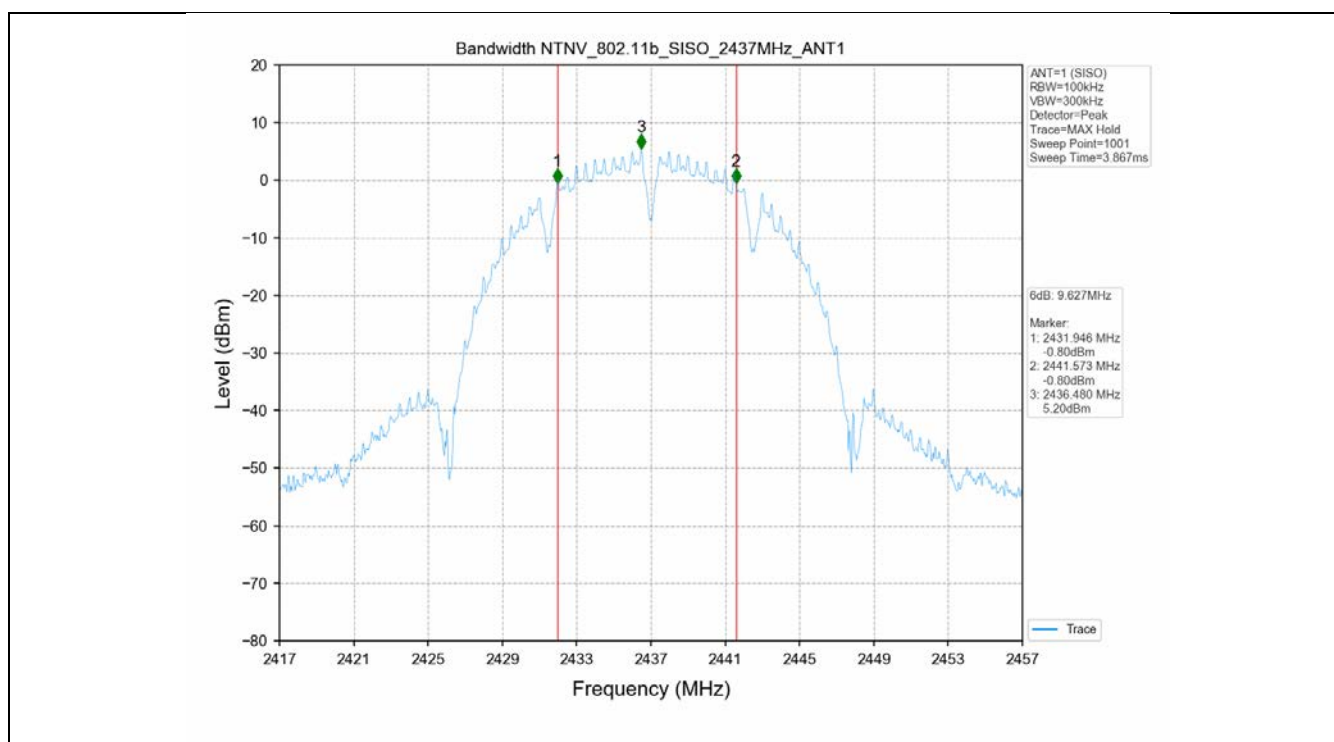
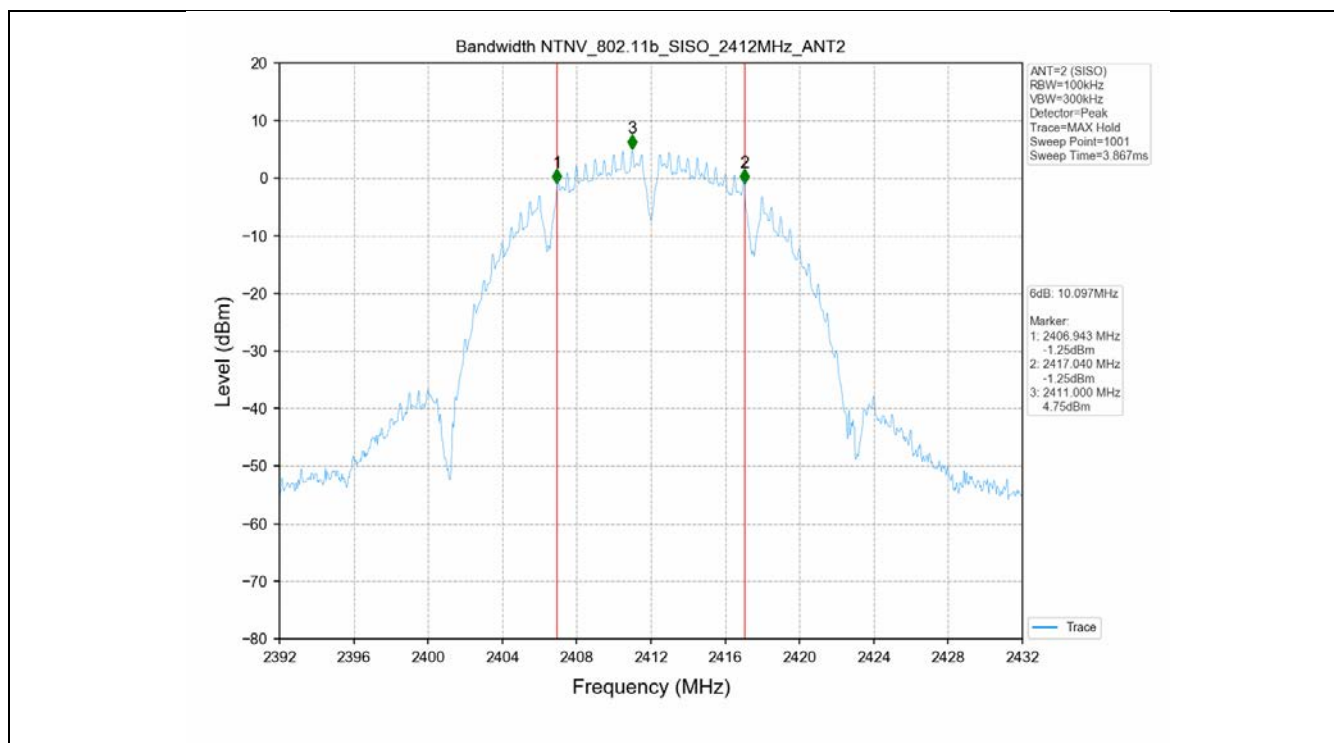
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.924	Only for Report Use
			2	14.948	Only for Report Use
	2437	SISO	1	14.960	Only for Report Use
			2	14.955	Only for Report Use
	2462	SISO	1	14.924	Only for Report Use
			2	14.913	Only for Report Use
802.11g	2412	SISO	1	16.984	Only for Report Use
			2	16.894	Only for Report Use
	2437	SISO	1	16.902	Only for Report Use
			2	16.847	Only for Report Use
	2462	SISO	1	16.851	Only for Report Use
			2	16.815	Only for Report Use
802.11n(HT20)	2412	MIMO	1	18.005	Only for Report Use
			2	18.018	Only for Report Use
	2437	MIMO	1	17.910	Only for Report Use

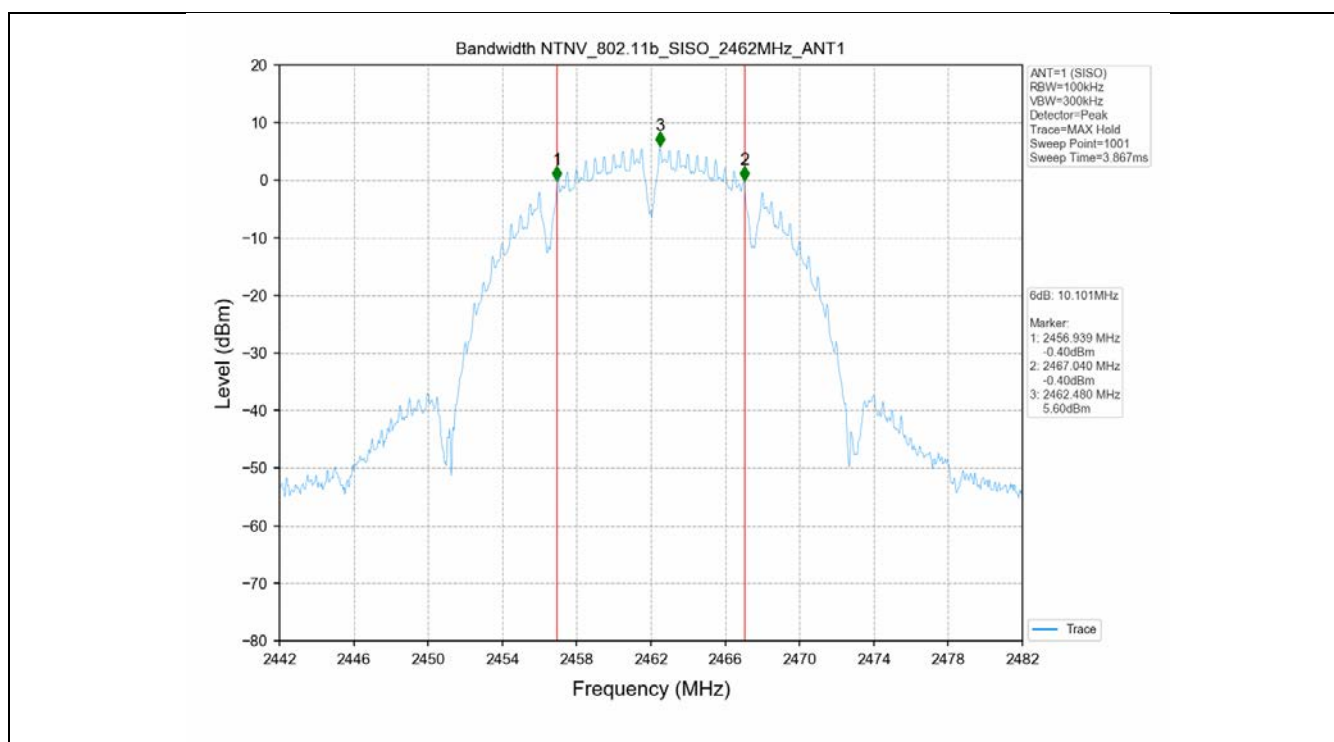
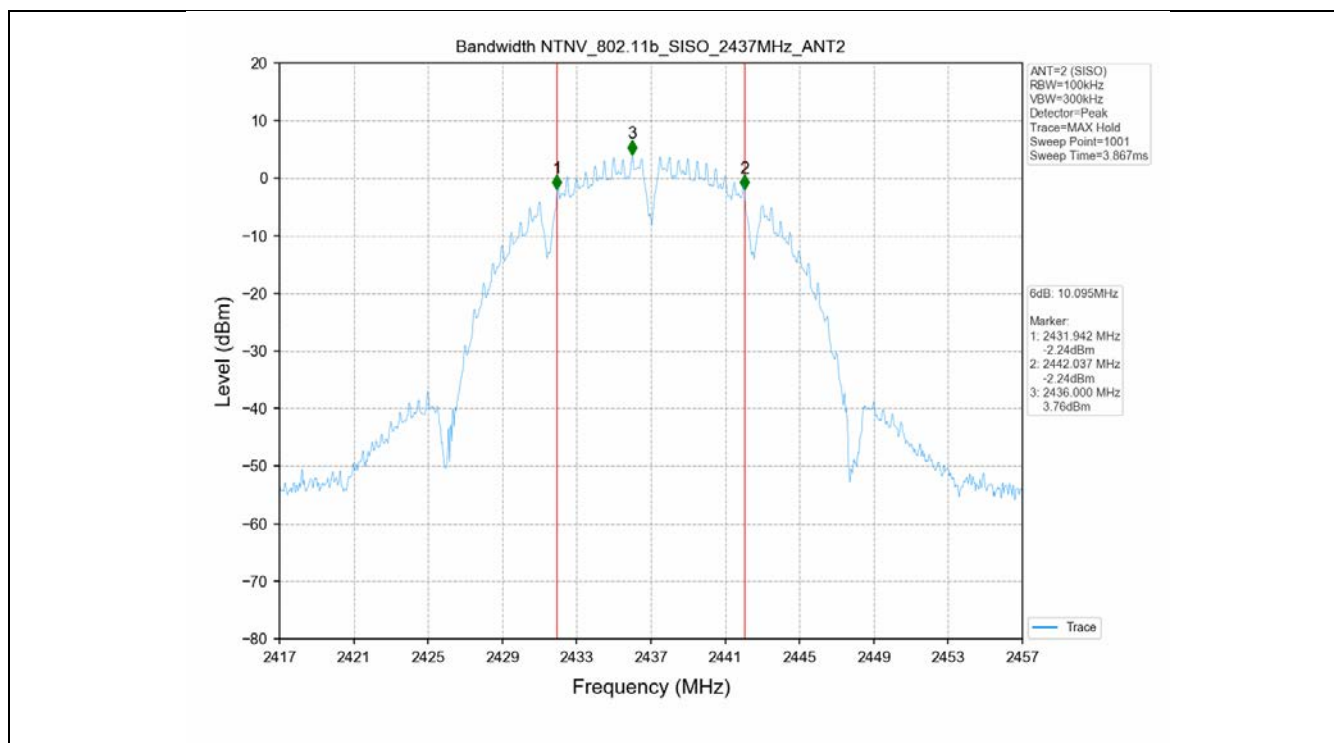


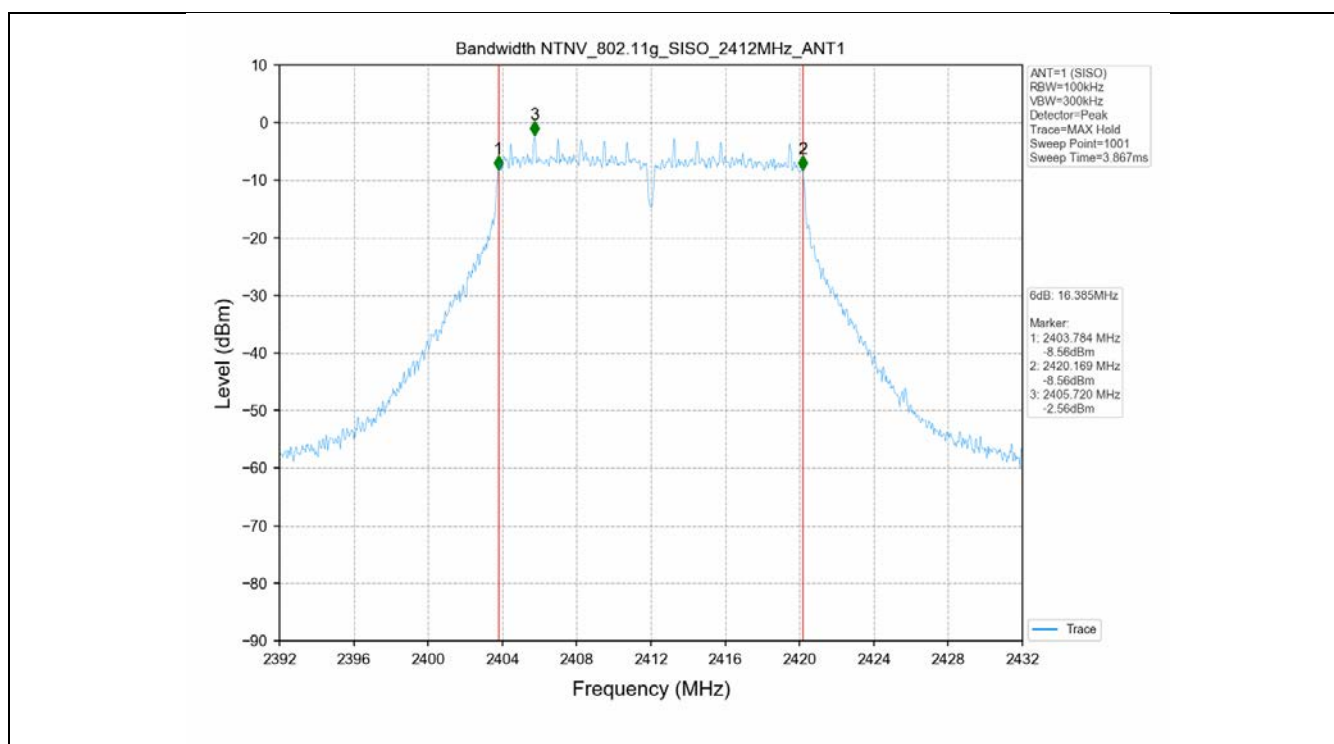
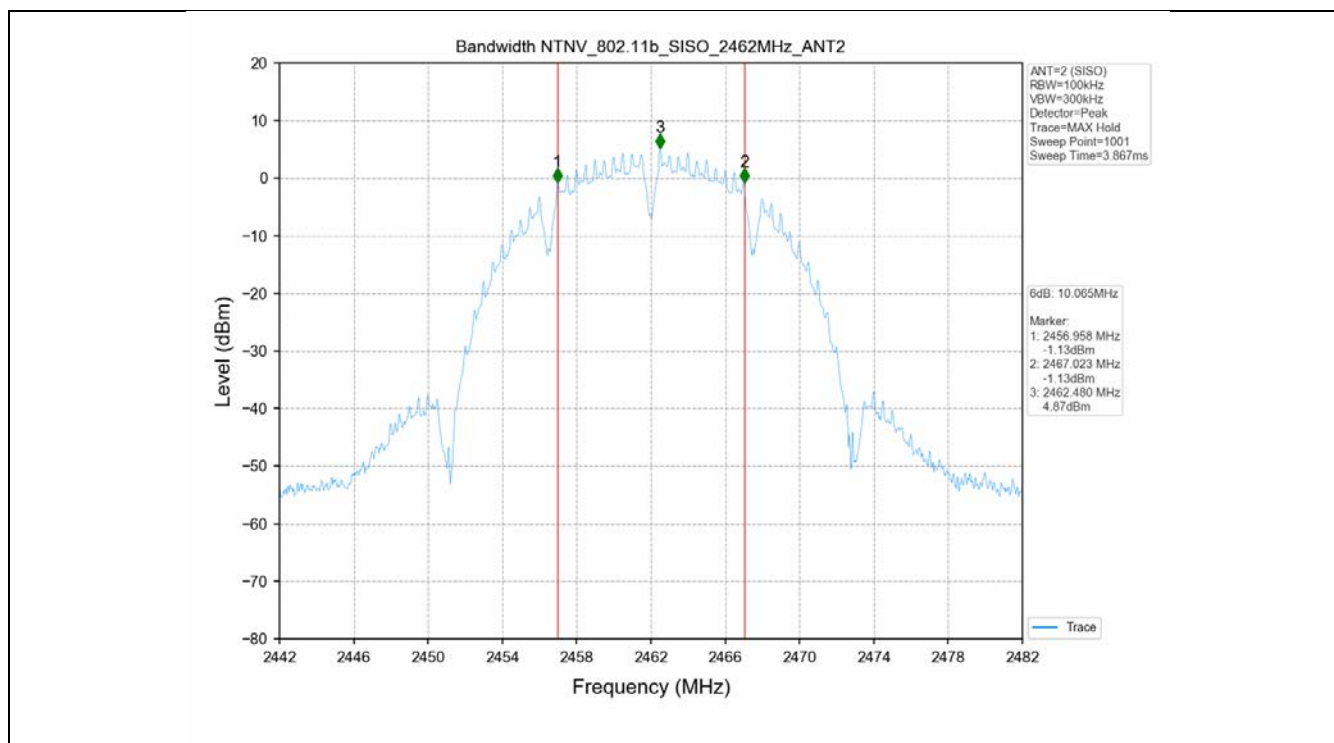
802.11n(HT40)	2462	MIMO	2	17.926	Only for Report Use
			1	17.840	Only for Report Use
	2422	MIMO	2	17.847	Only for Report Use
			1	36.055	Only for Report Use
	2437	MIMO	2	36.121	Only for Report Use
			1	36.063	Only for Report Use
	2452	MIMO	2	36.130	Only for Report Use
			1	36.023	Only for Report Use
			2	36.071	Only for Report Use

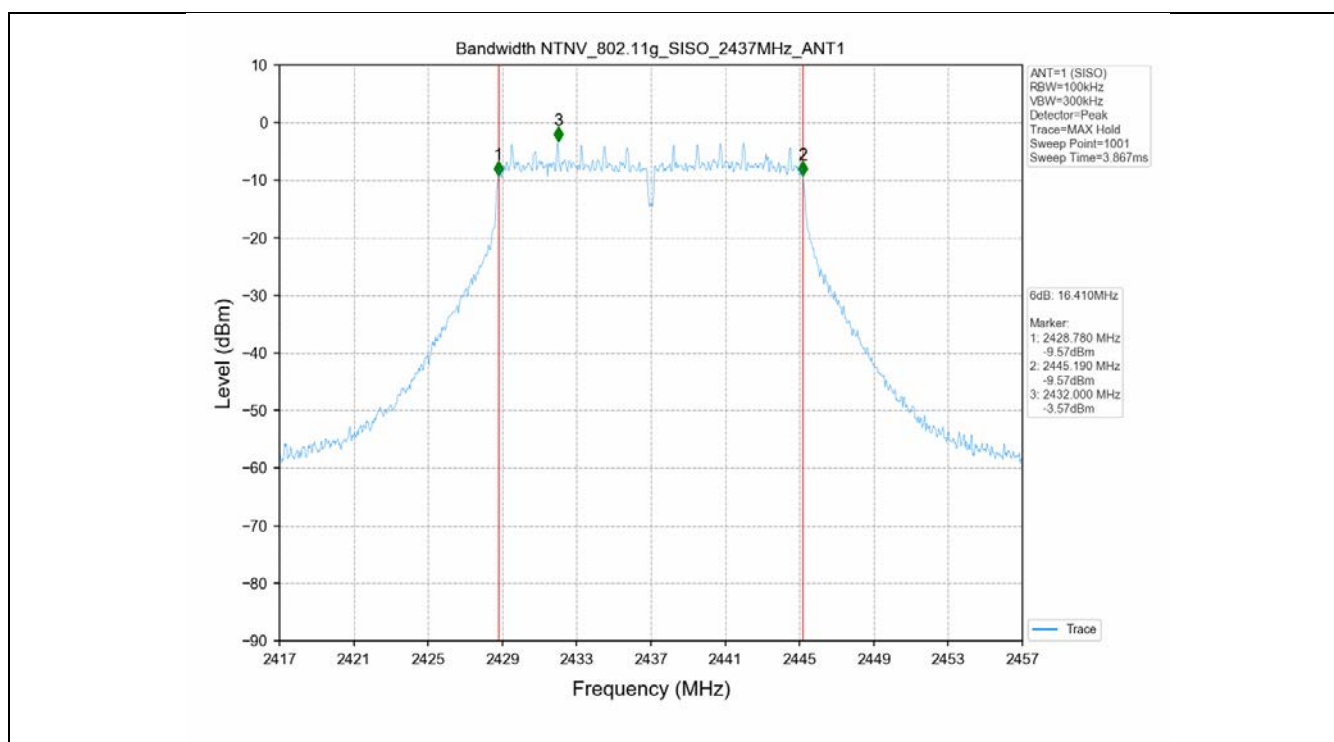
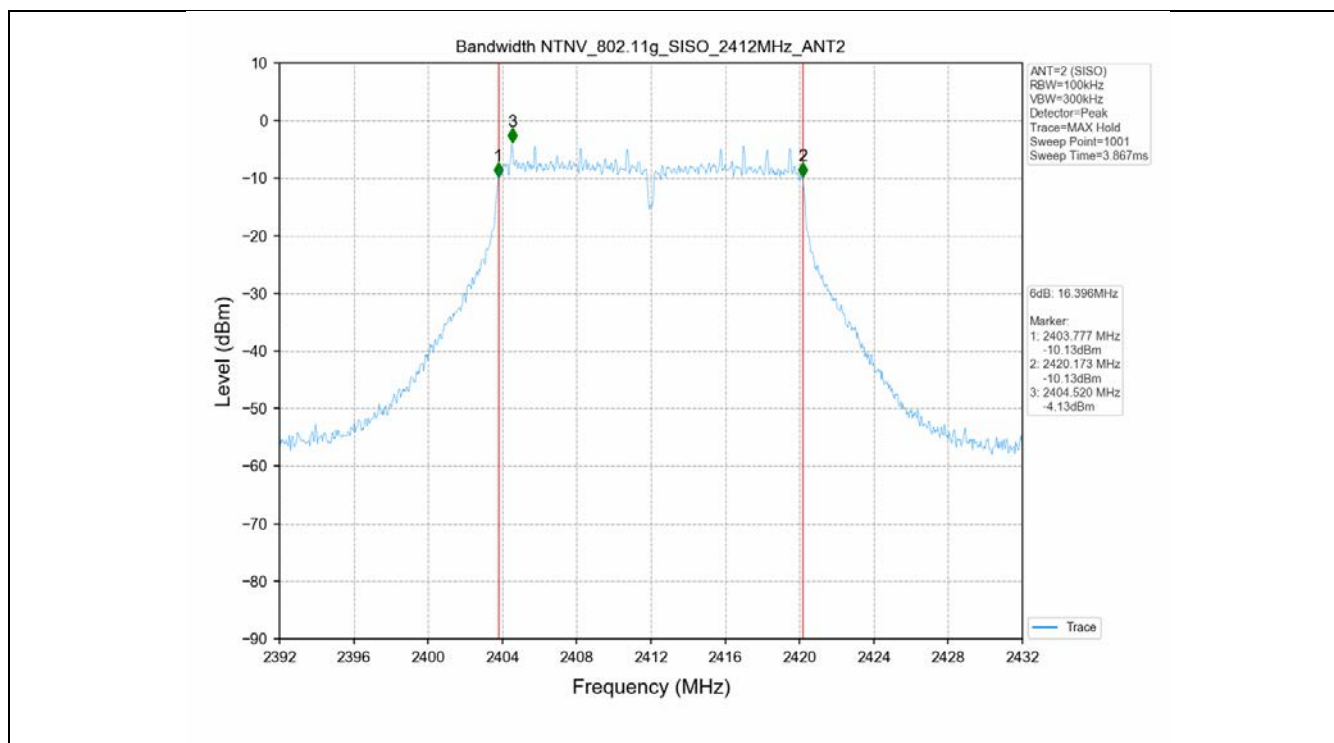
2.2 Test Graph - 6dB Bandwidth

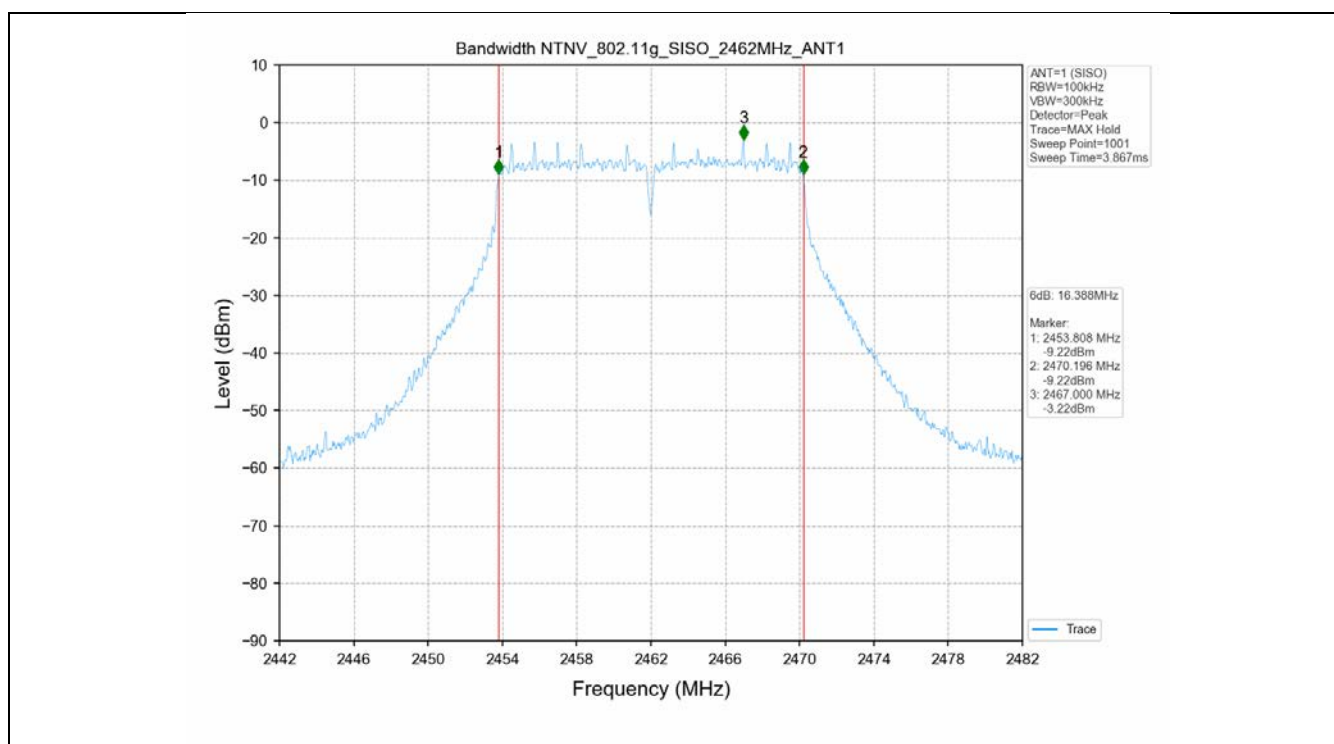
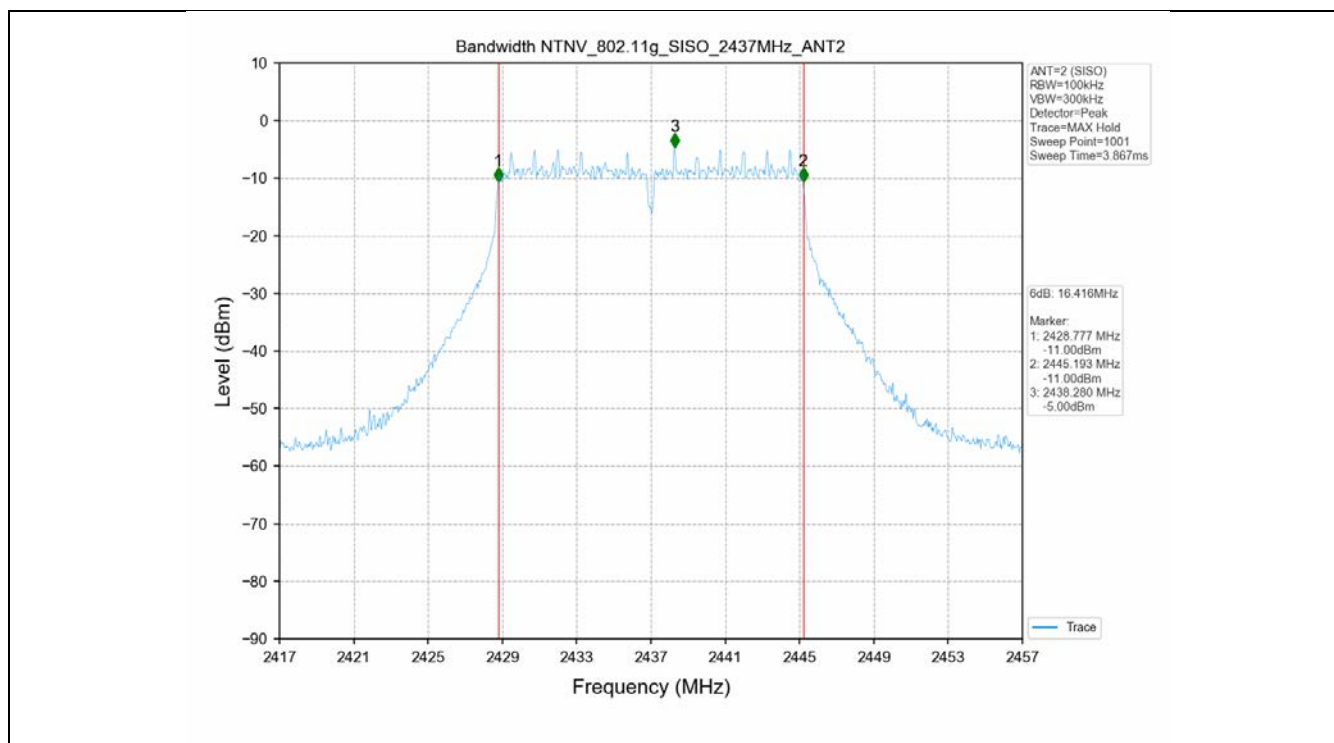


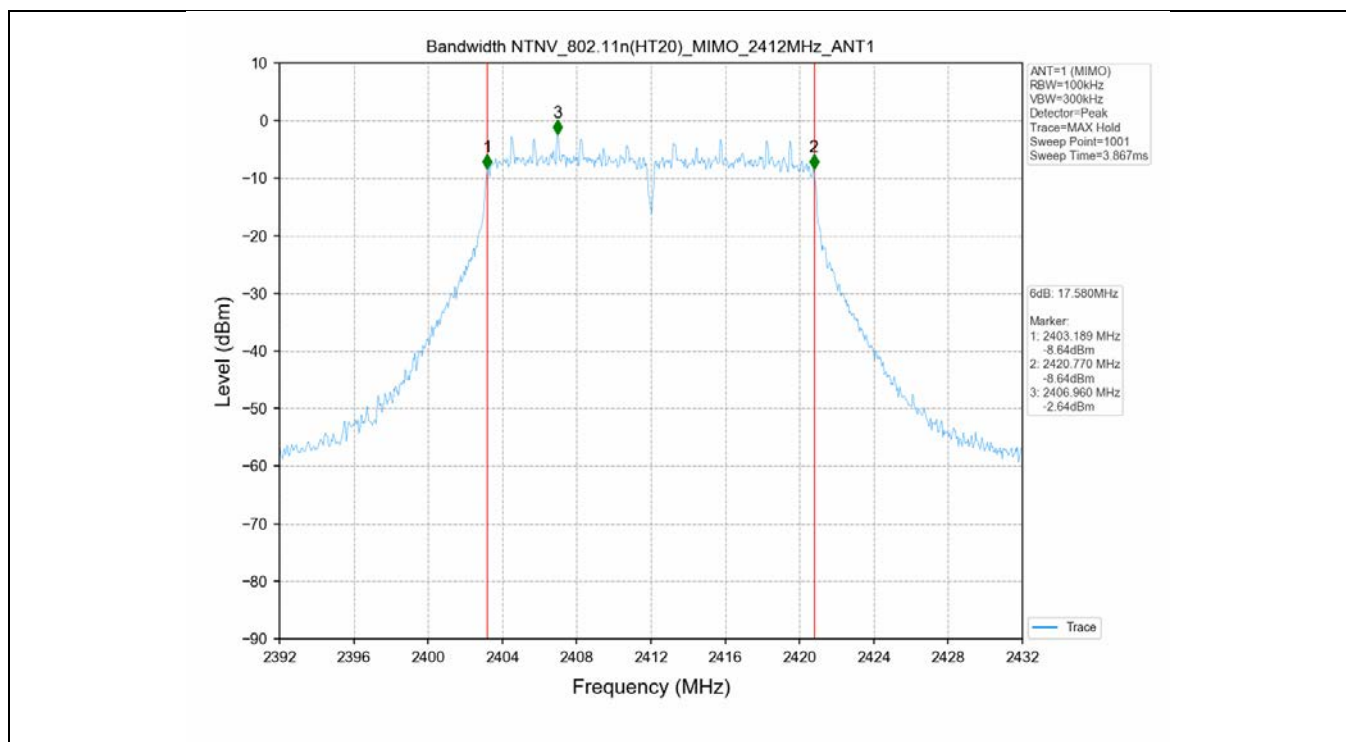
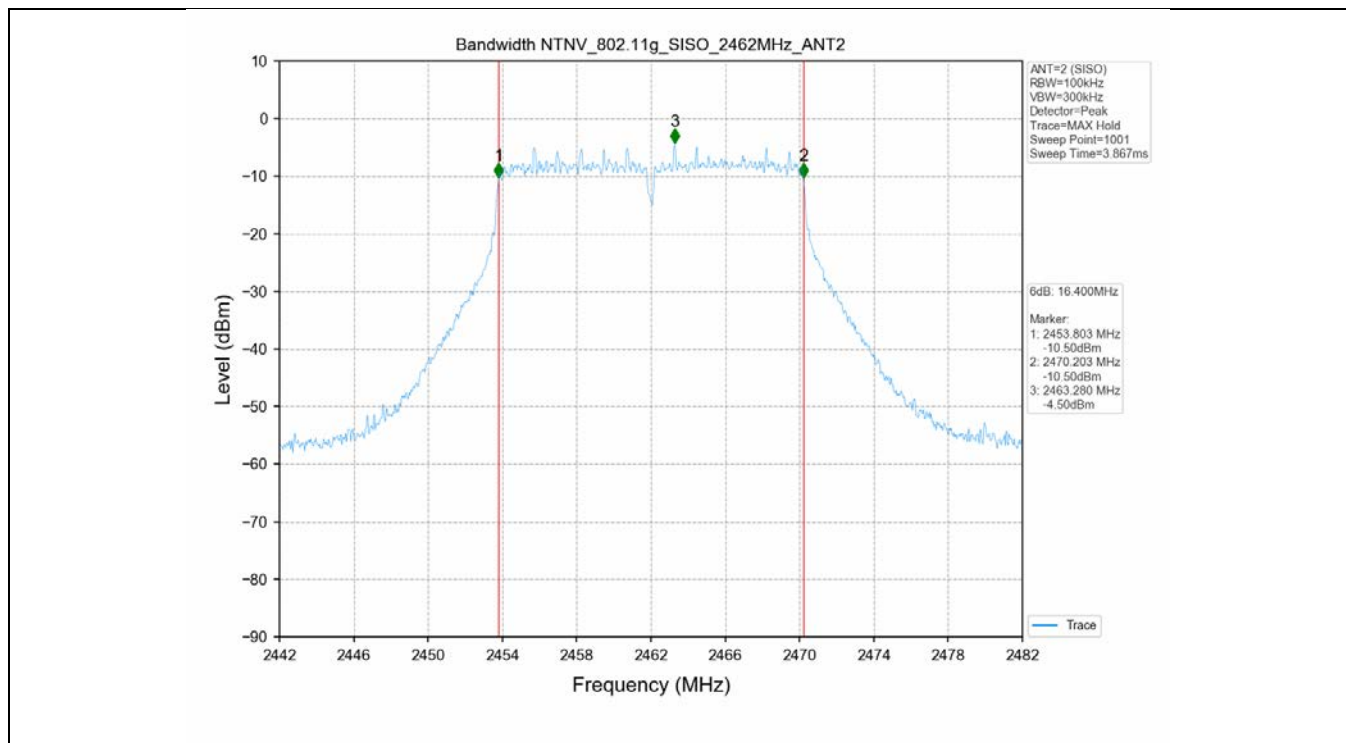


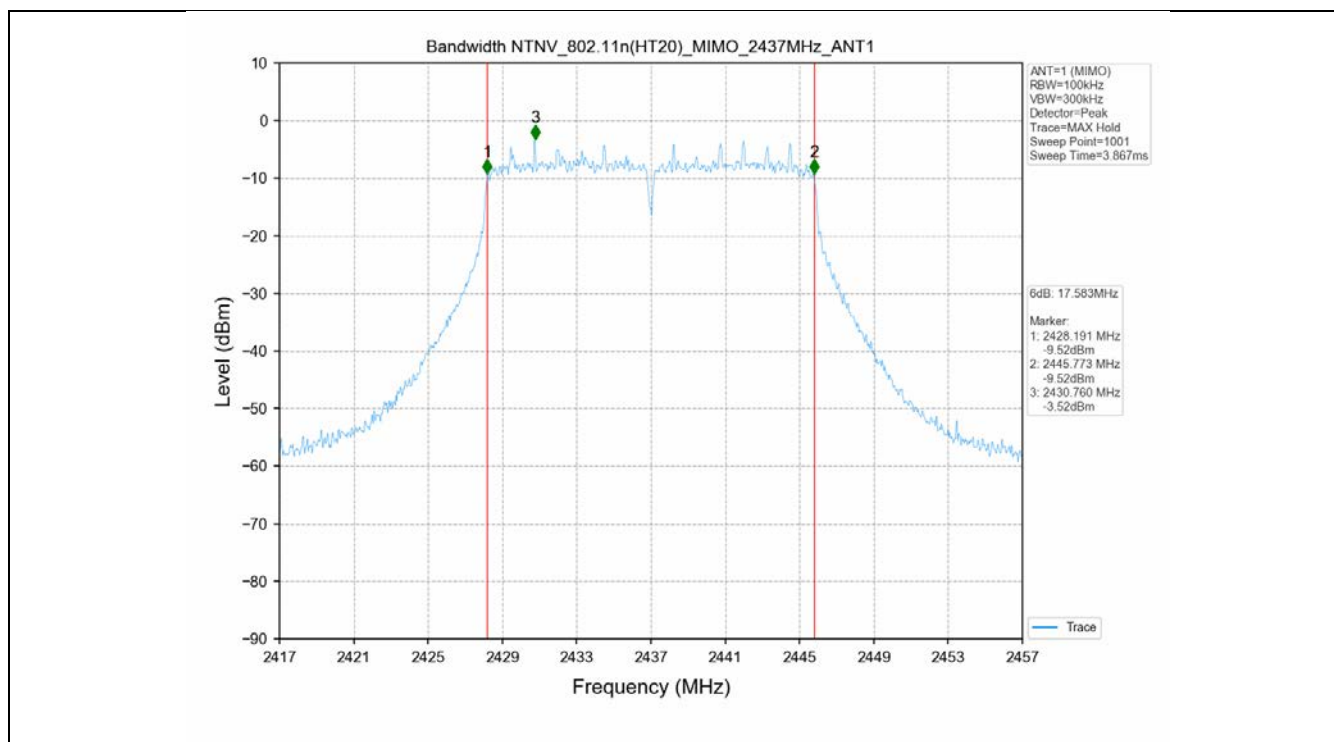
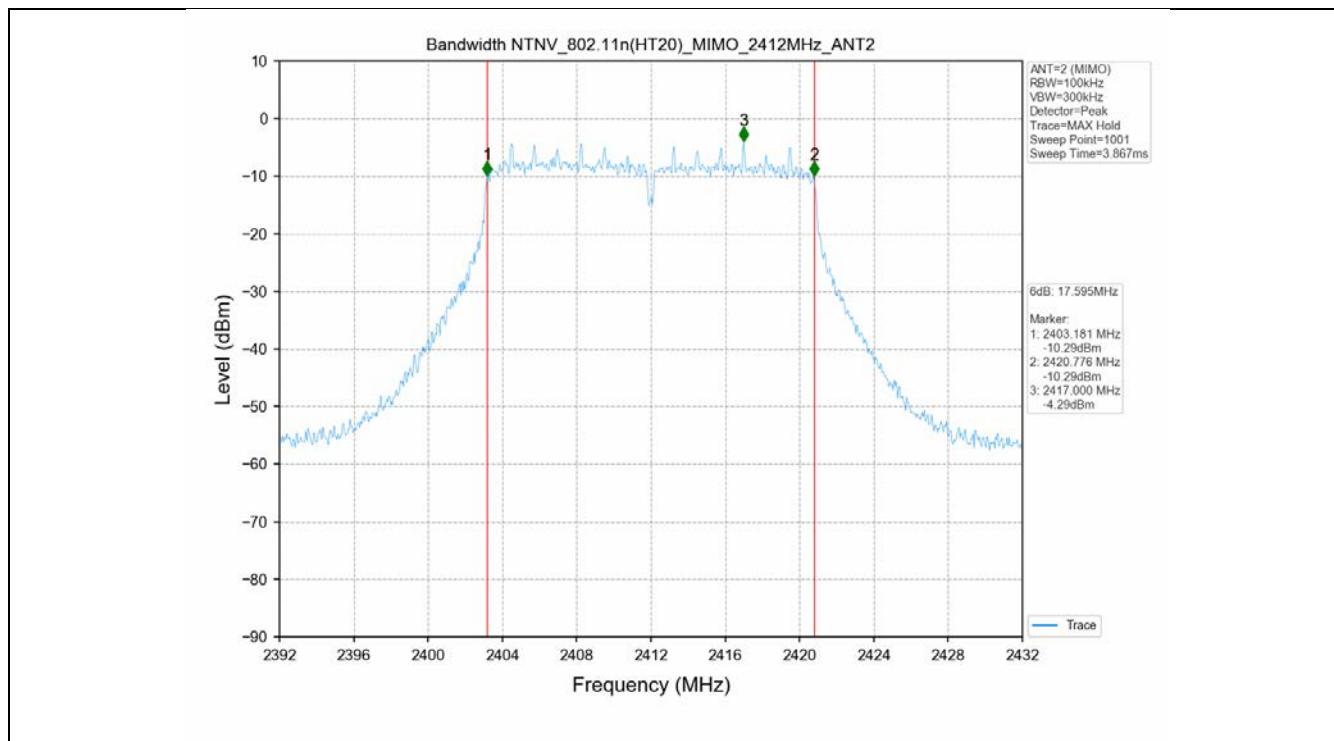


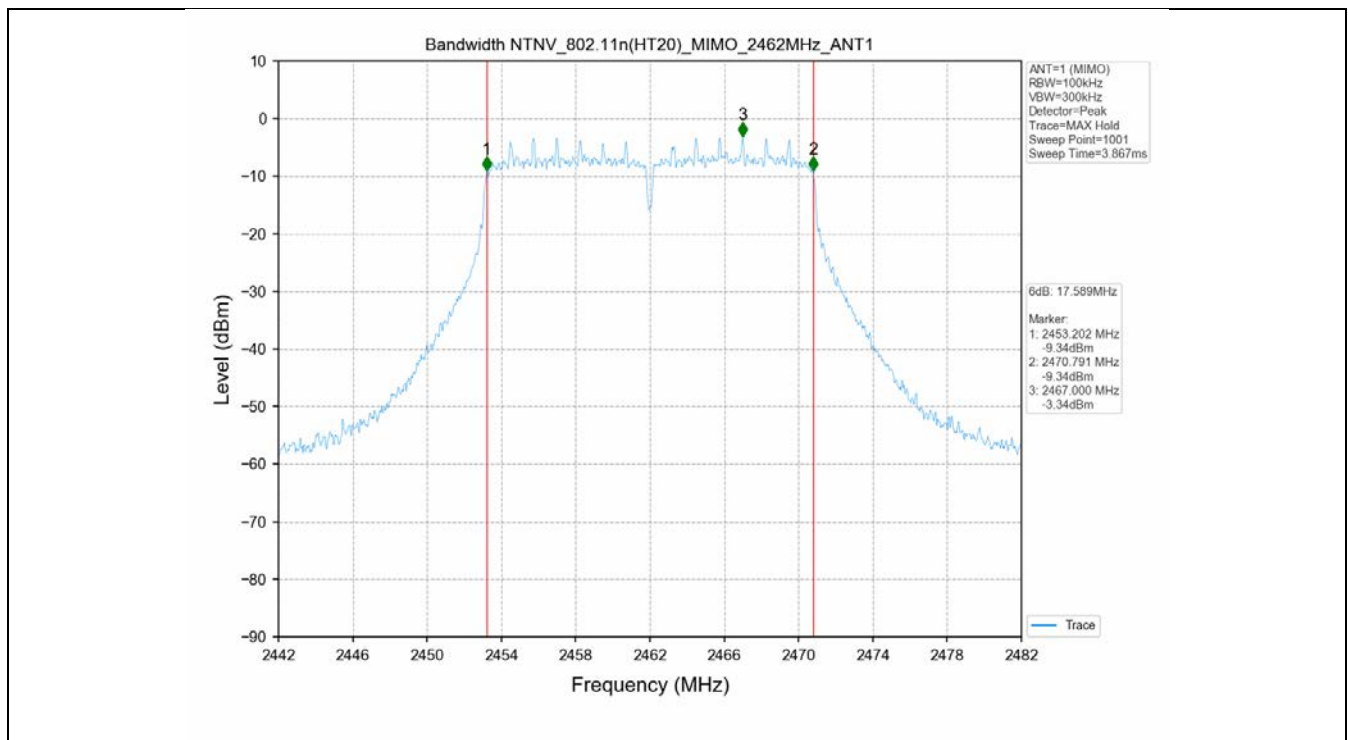
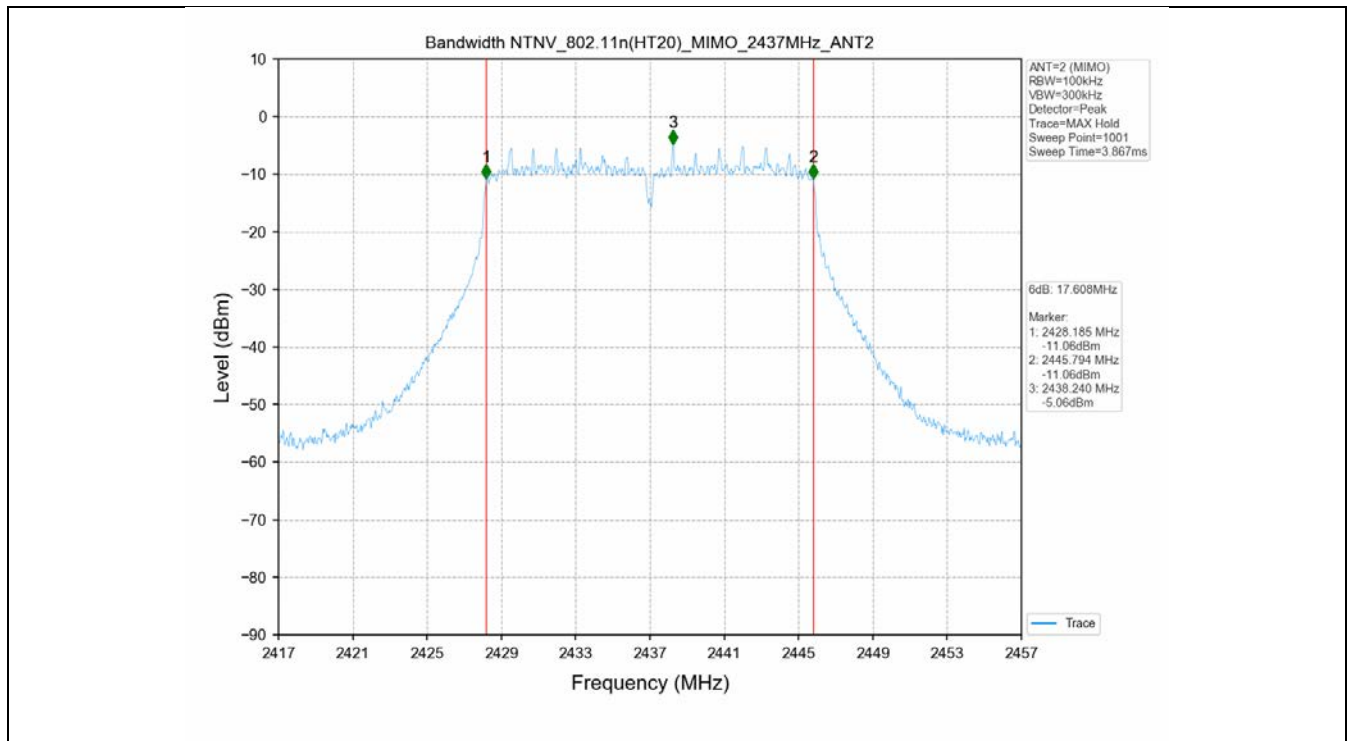


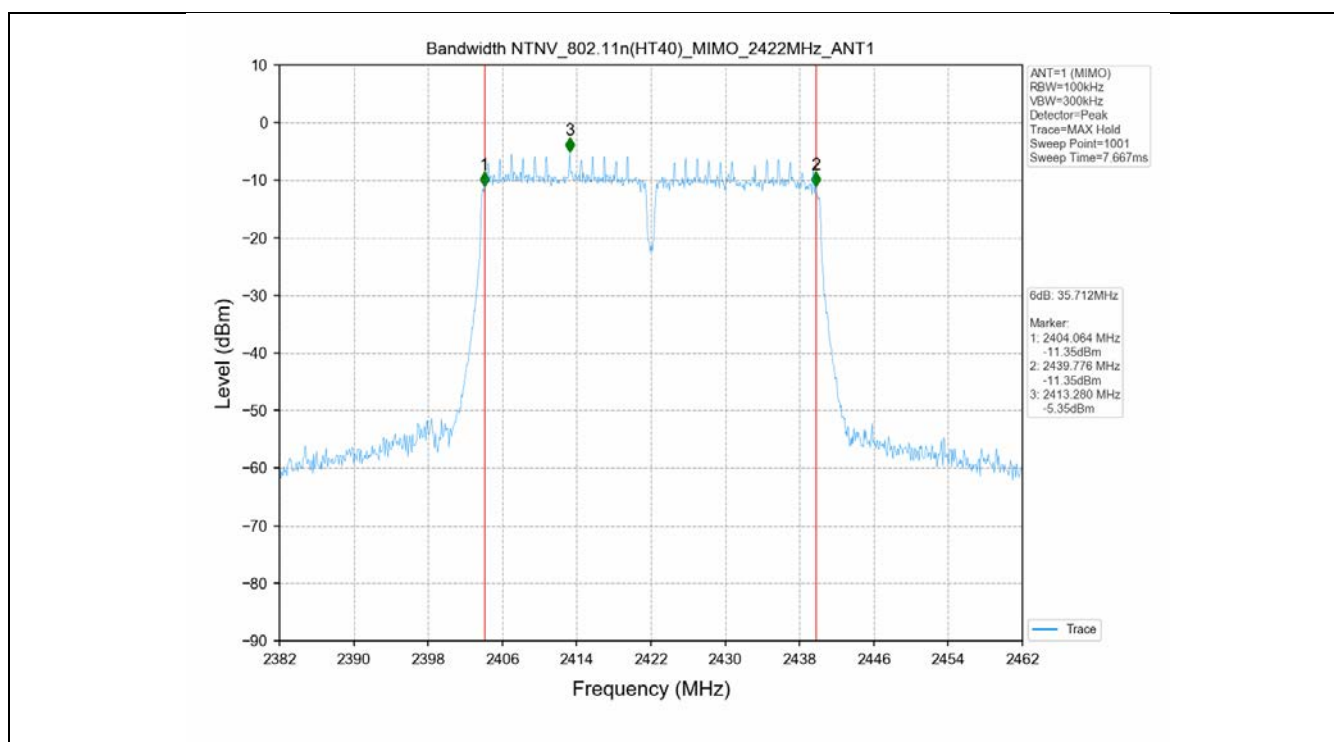
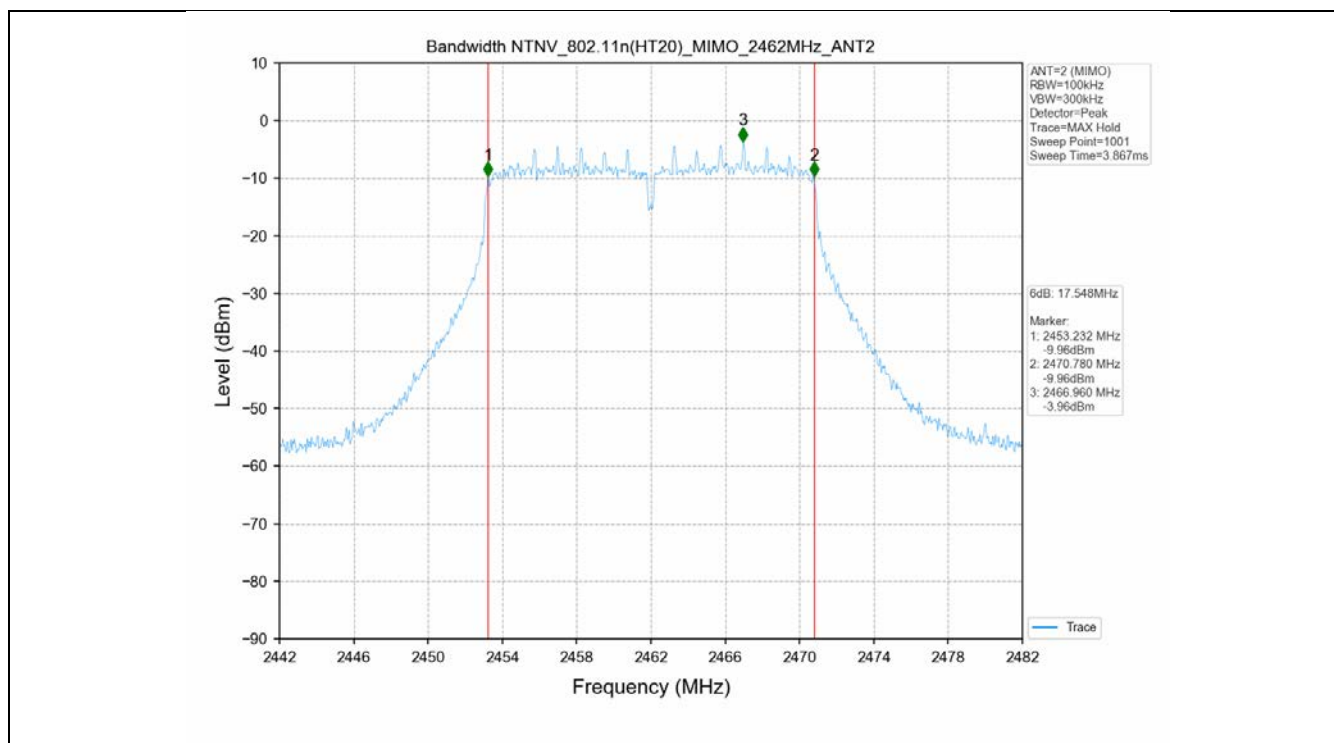


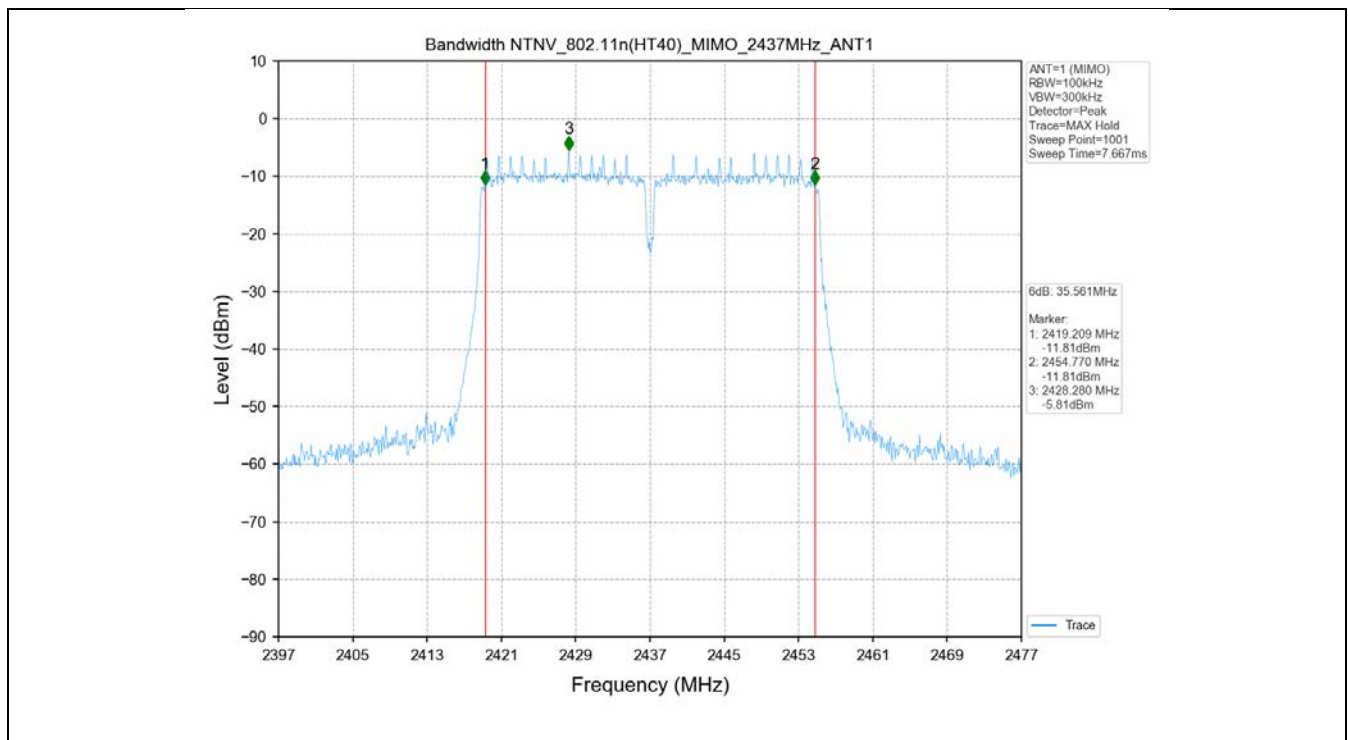
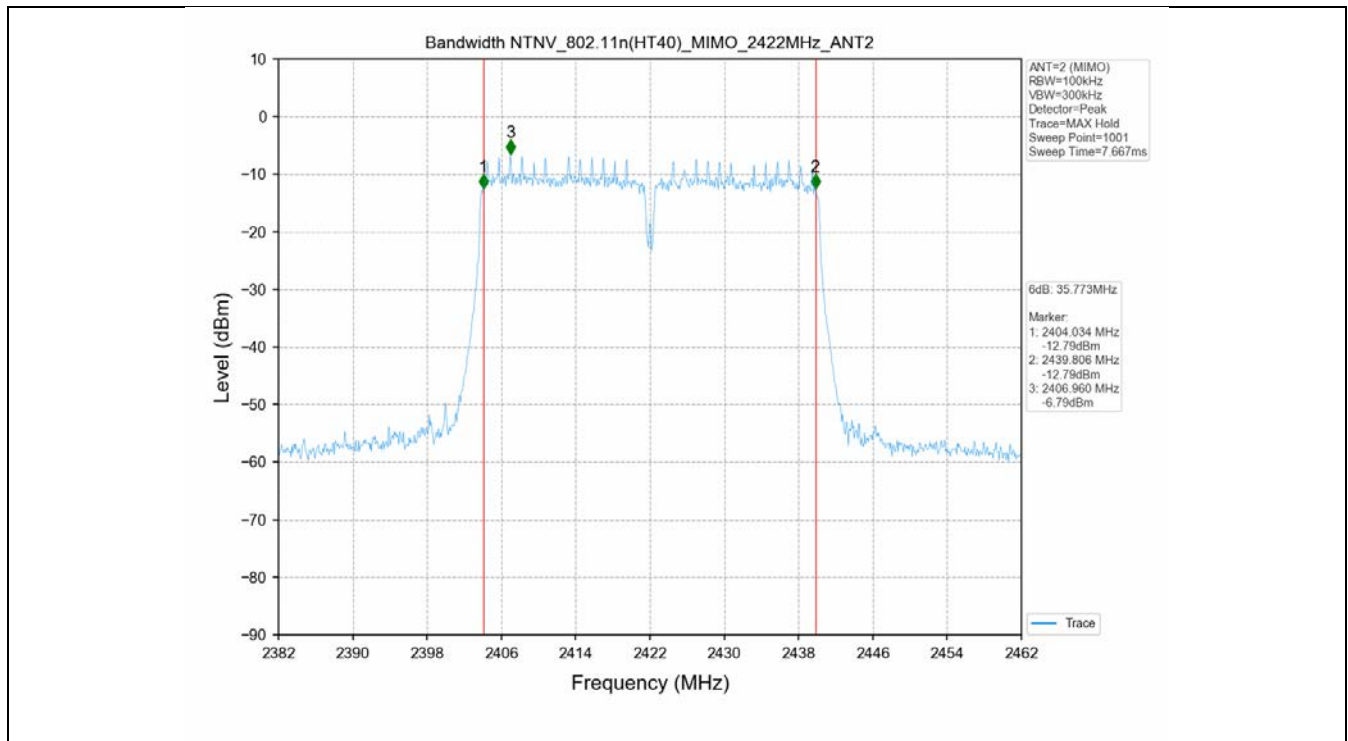


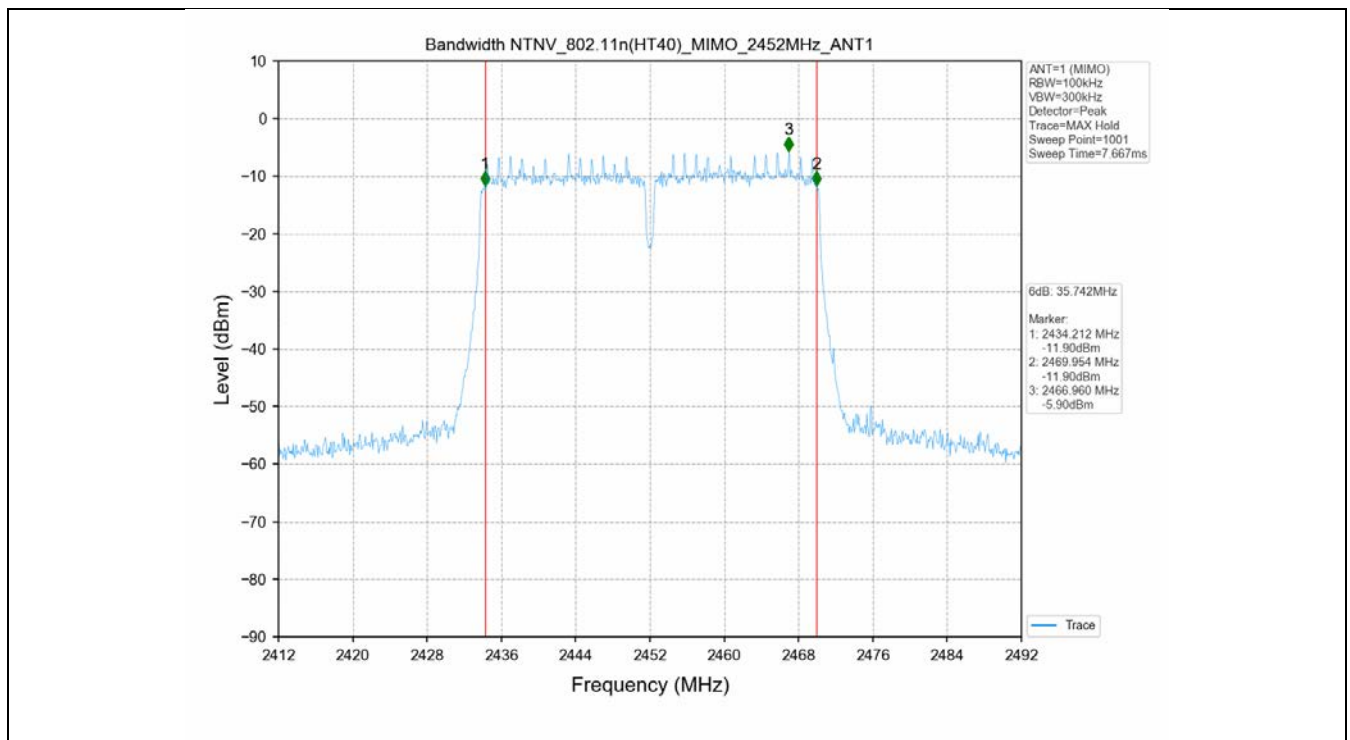
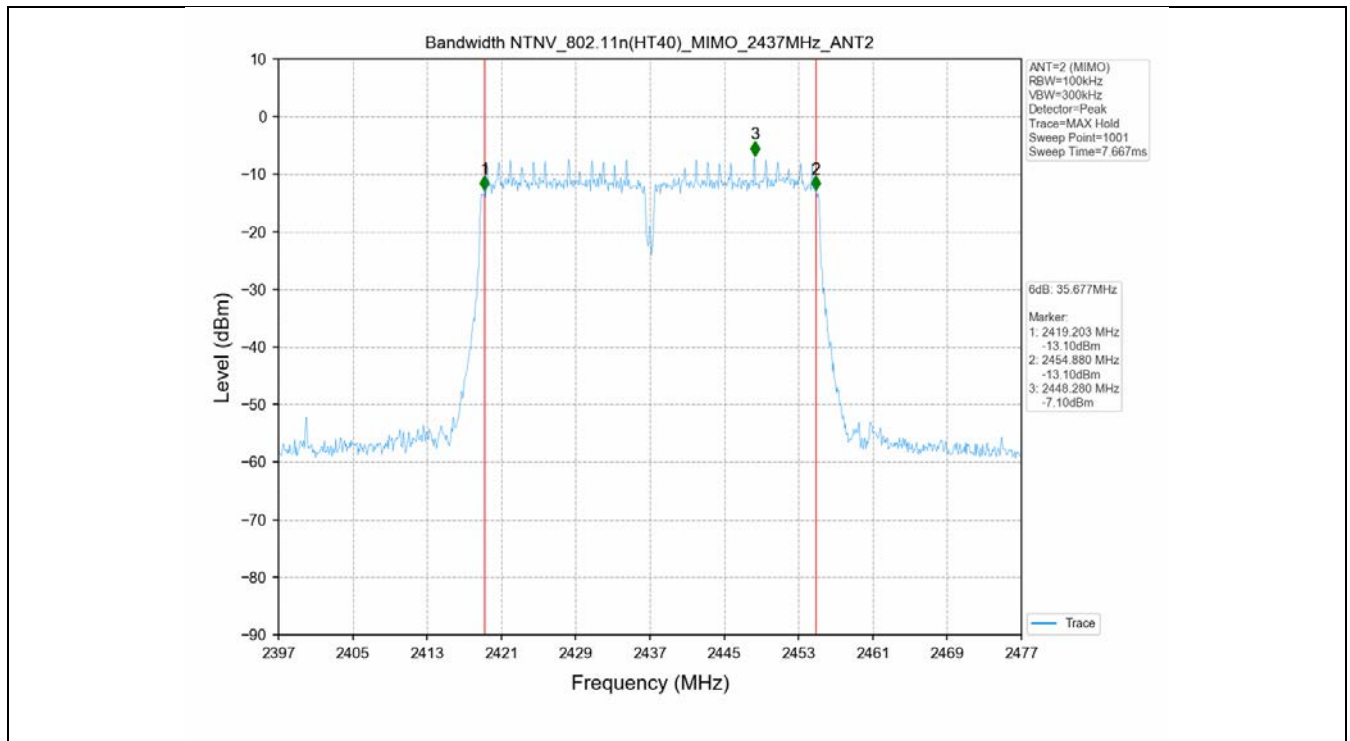


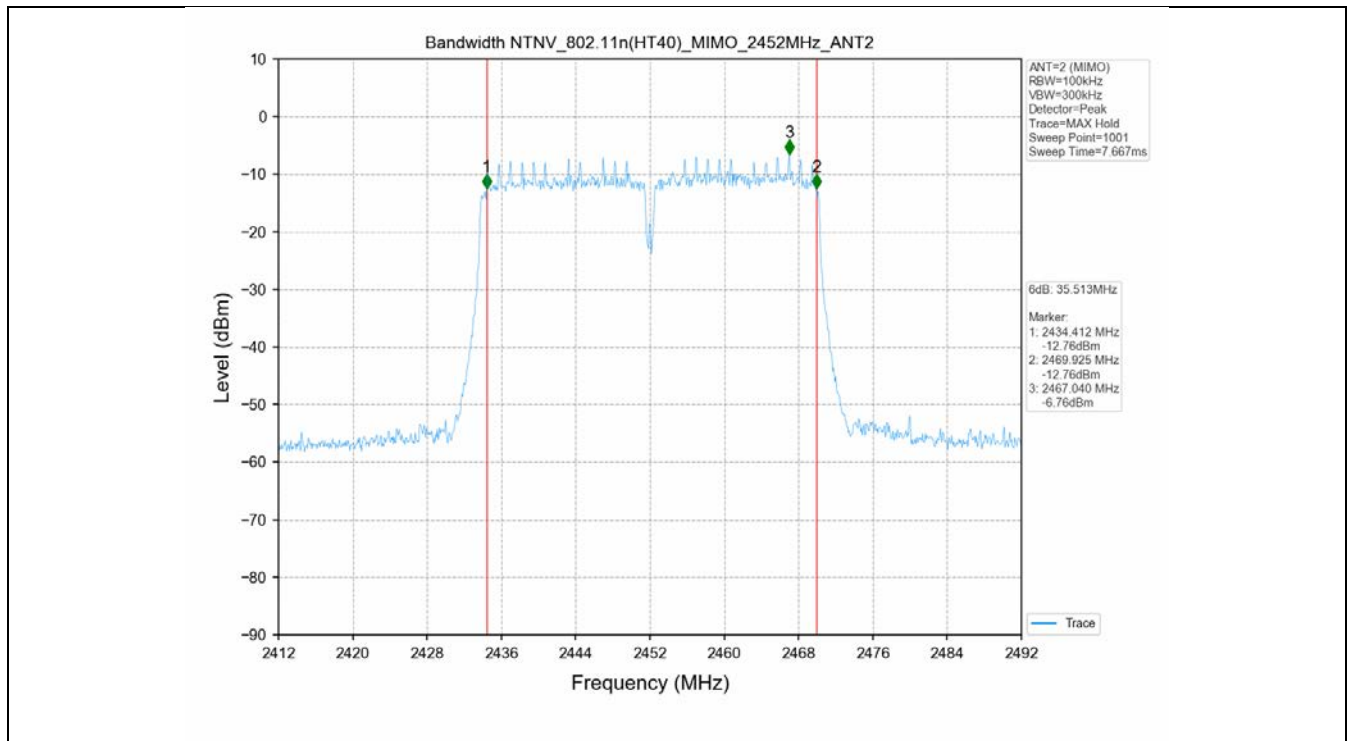




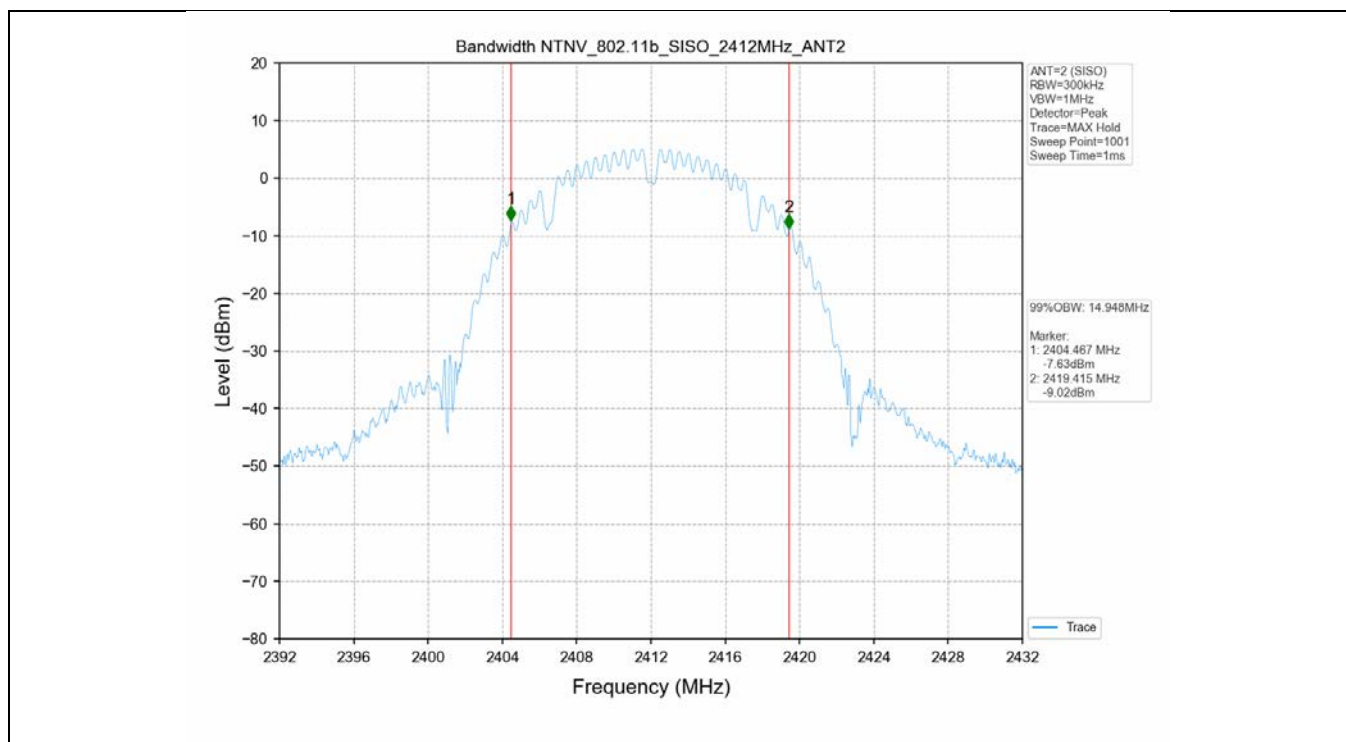
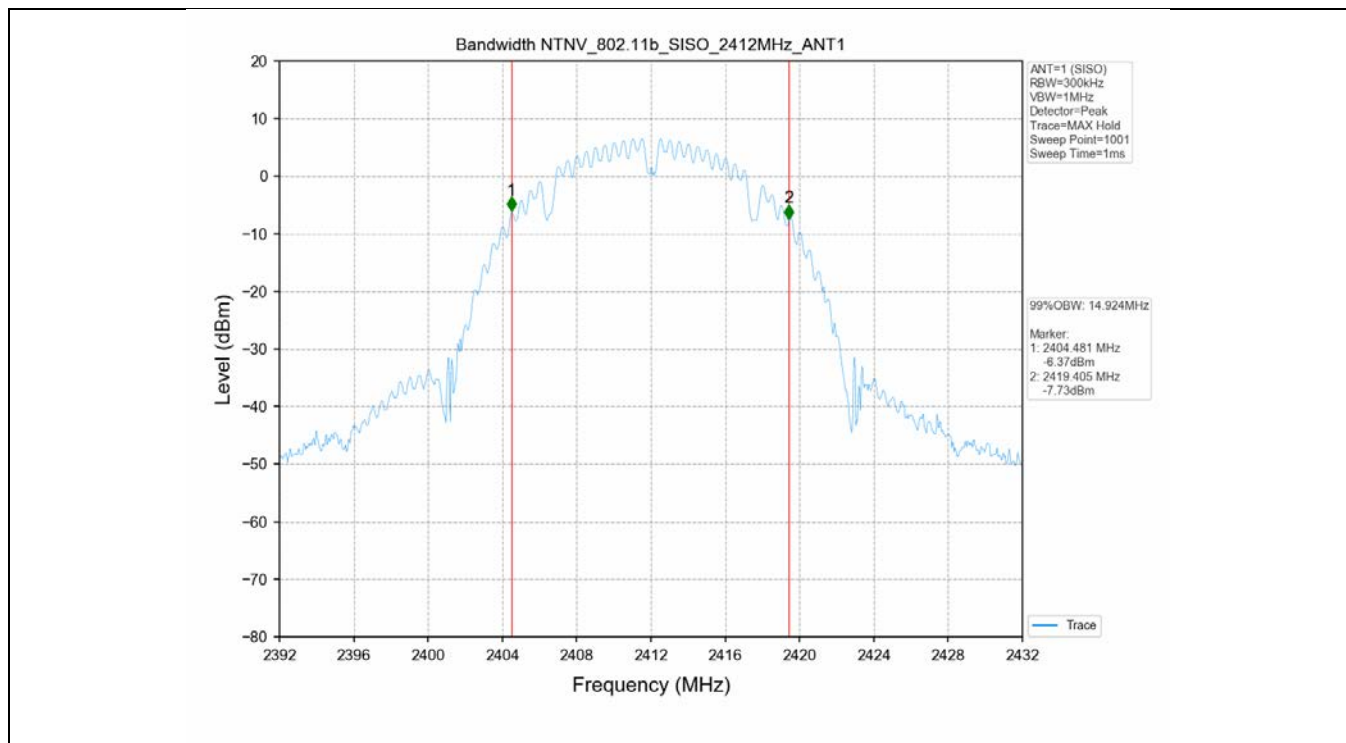


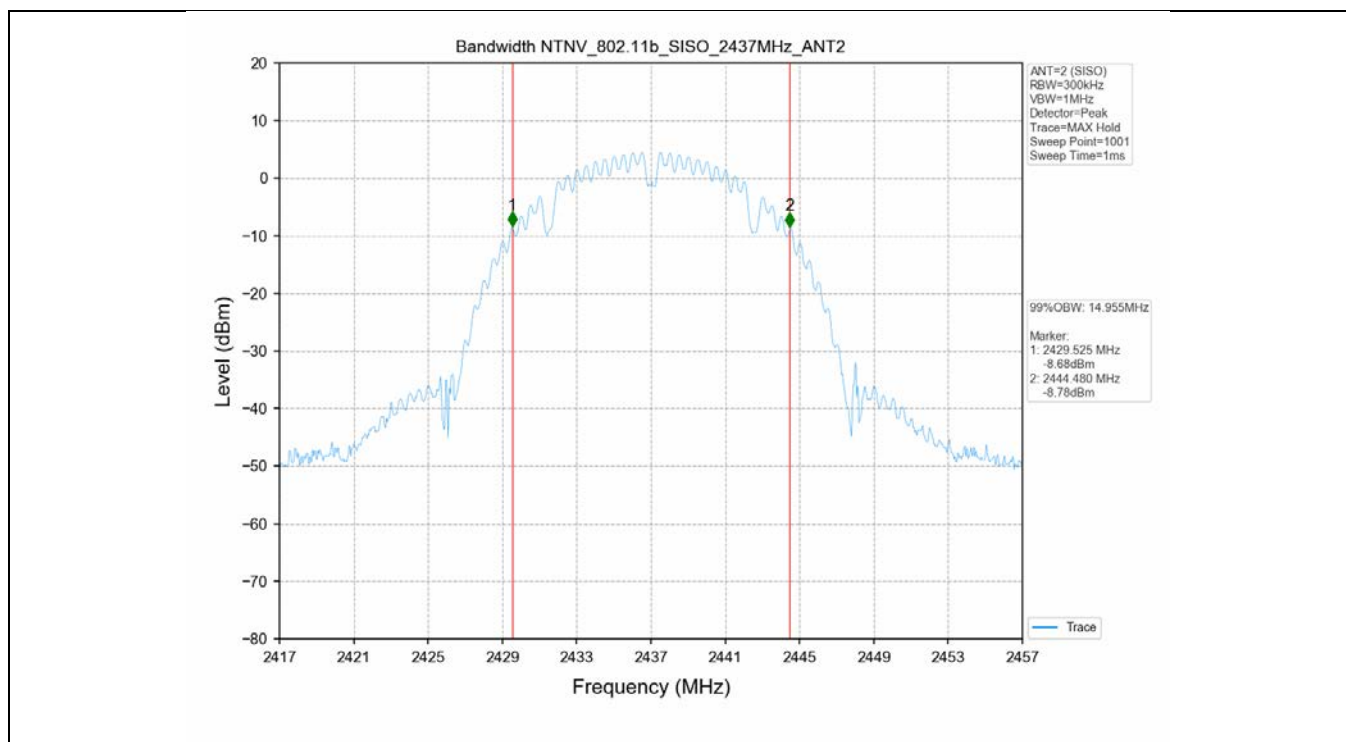
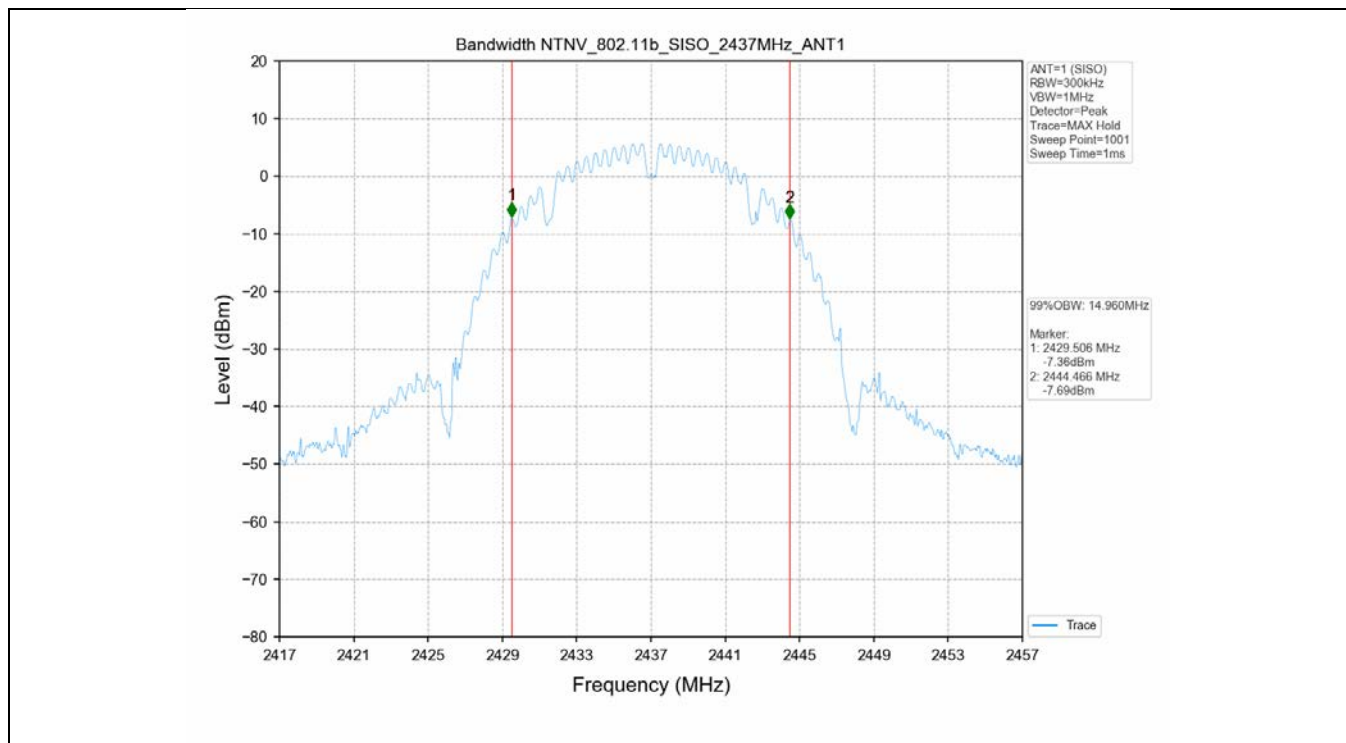


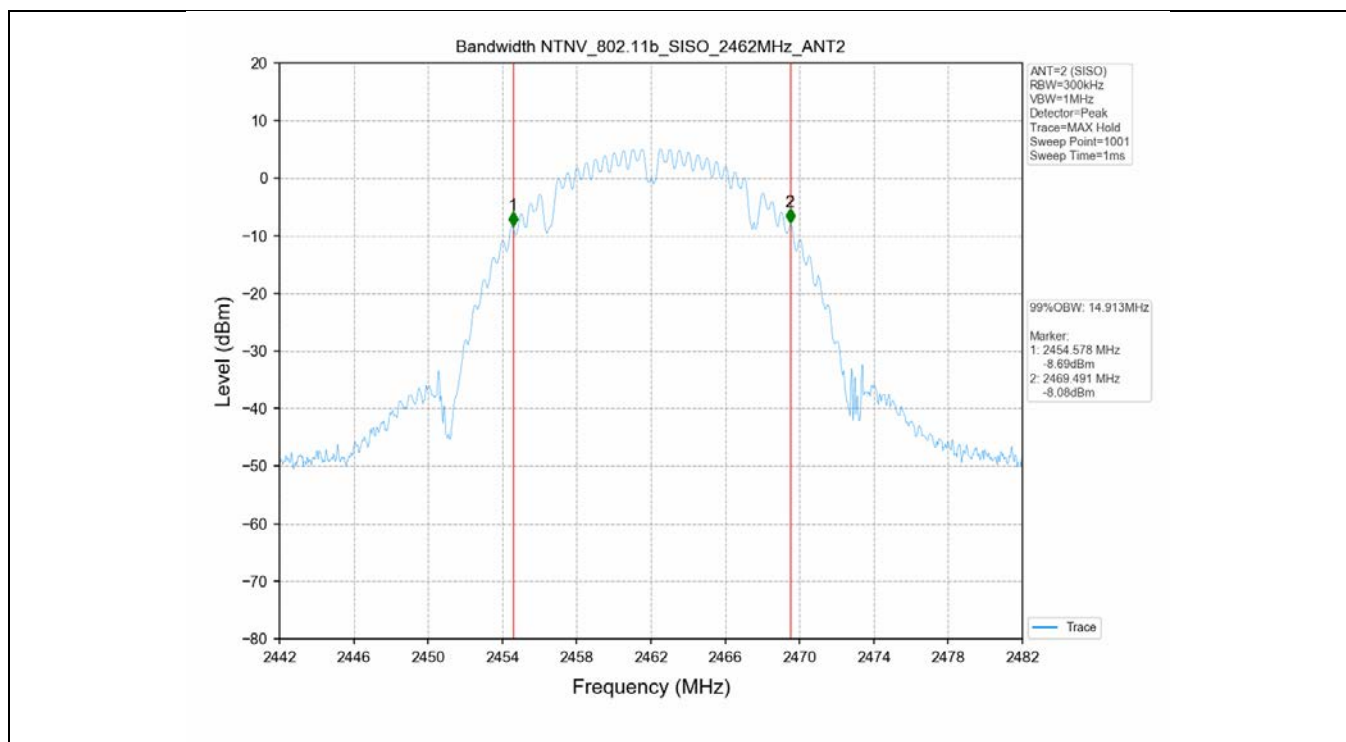
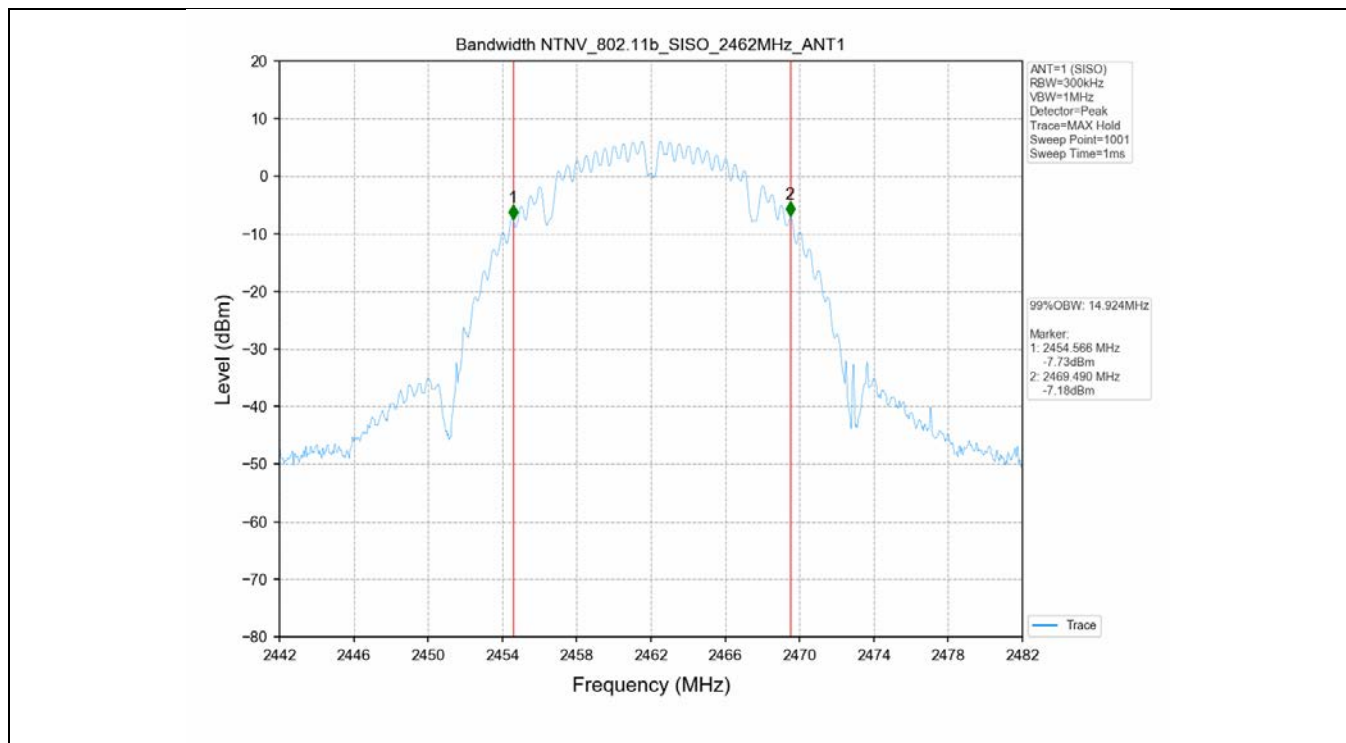


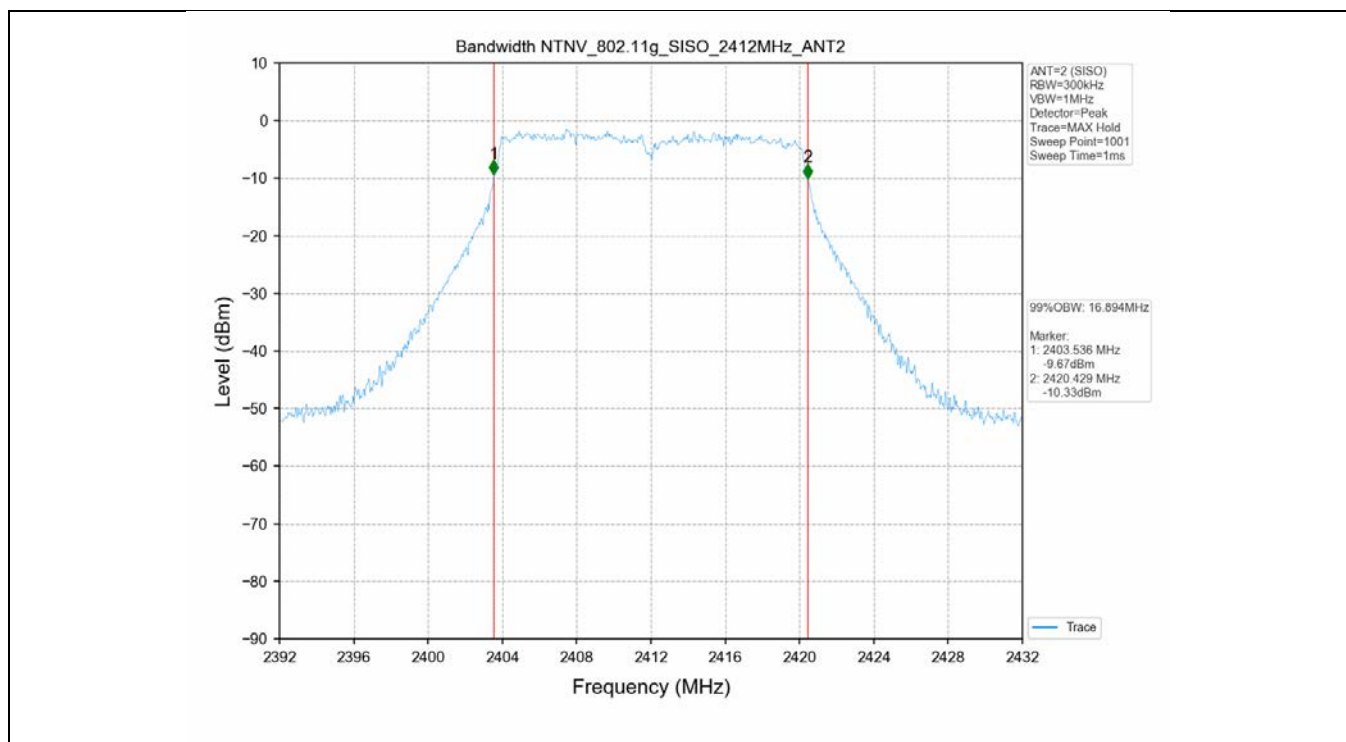
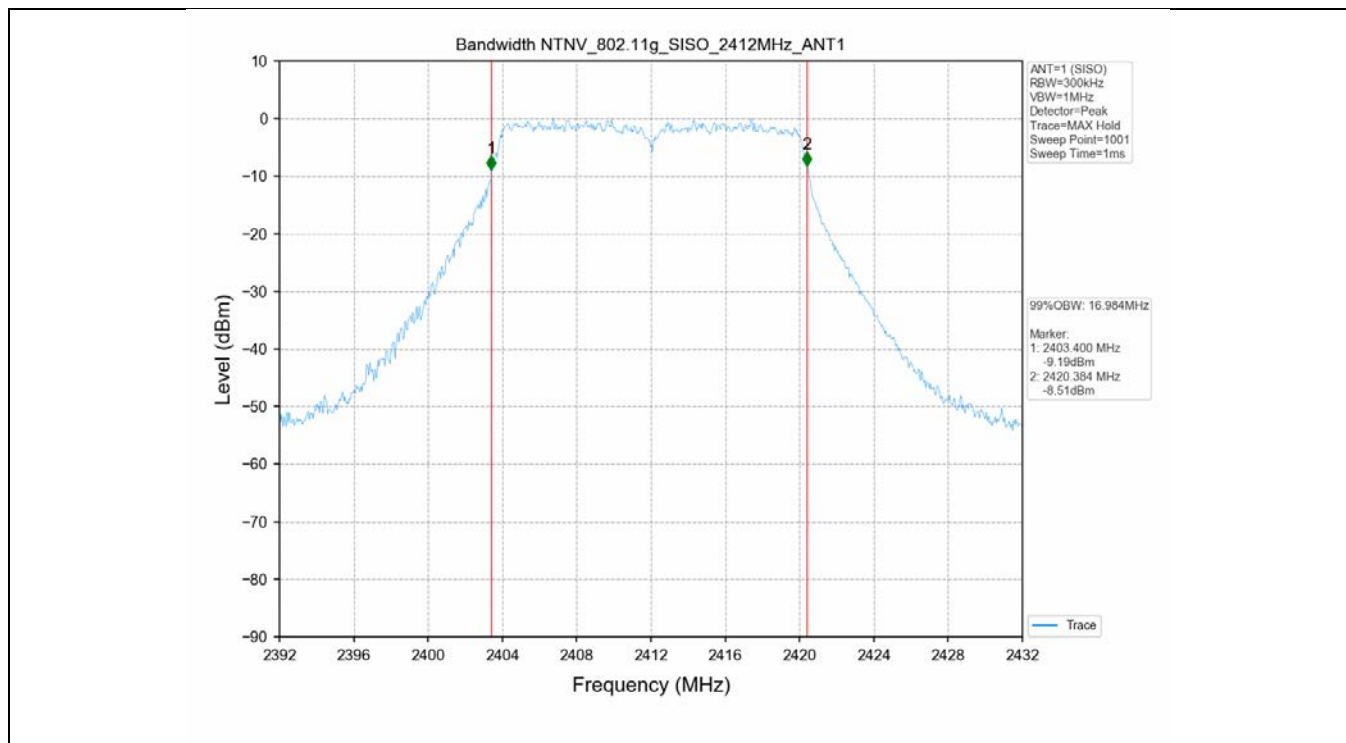


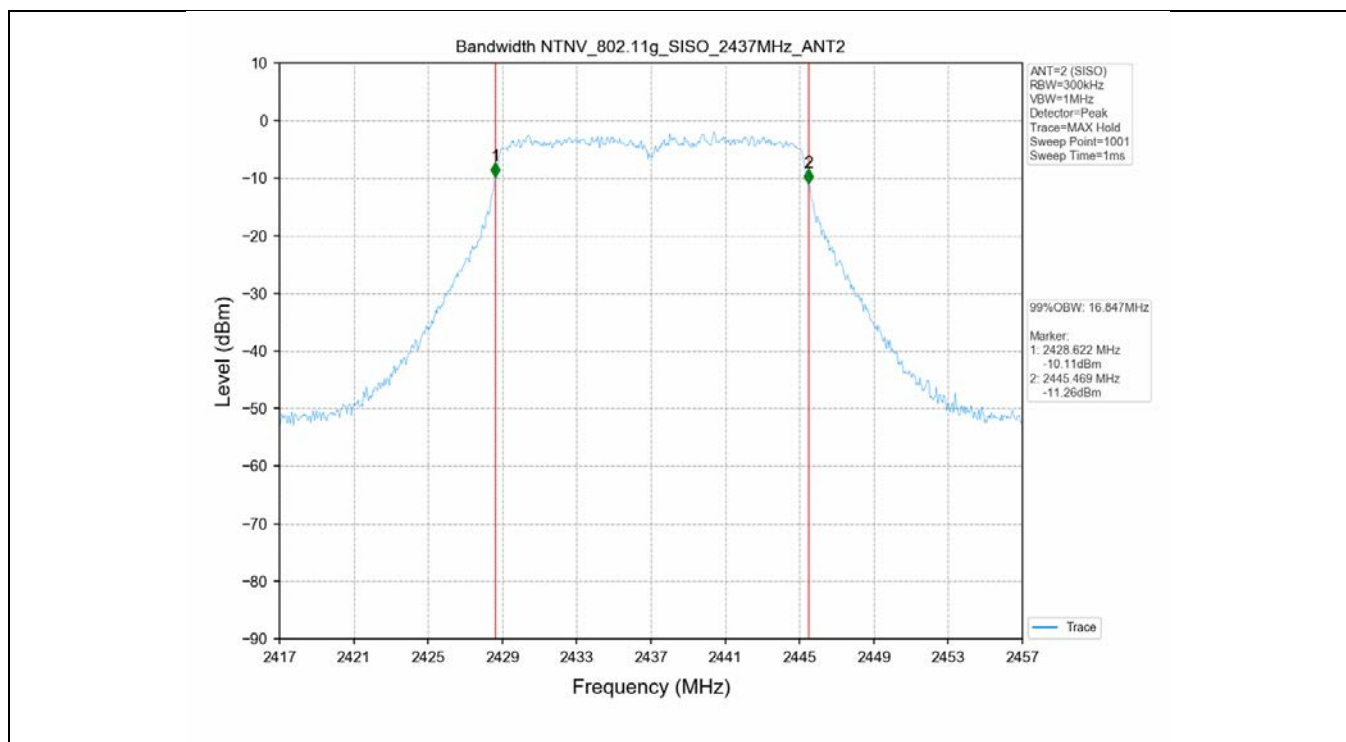
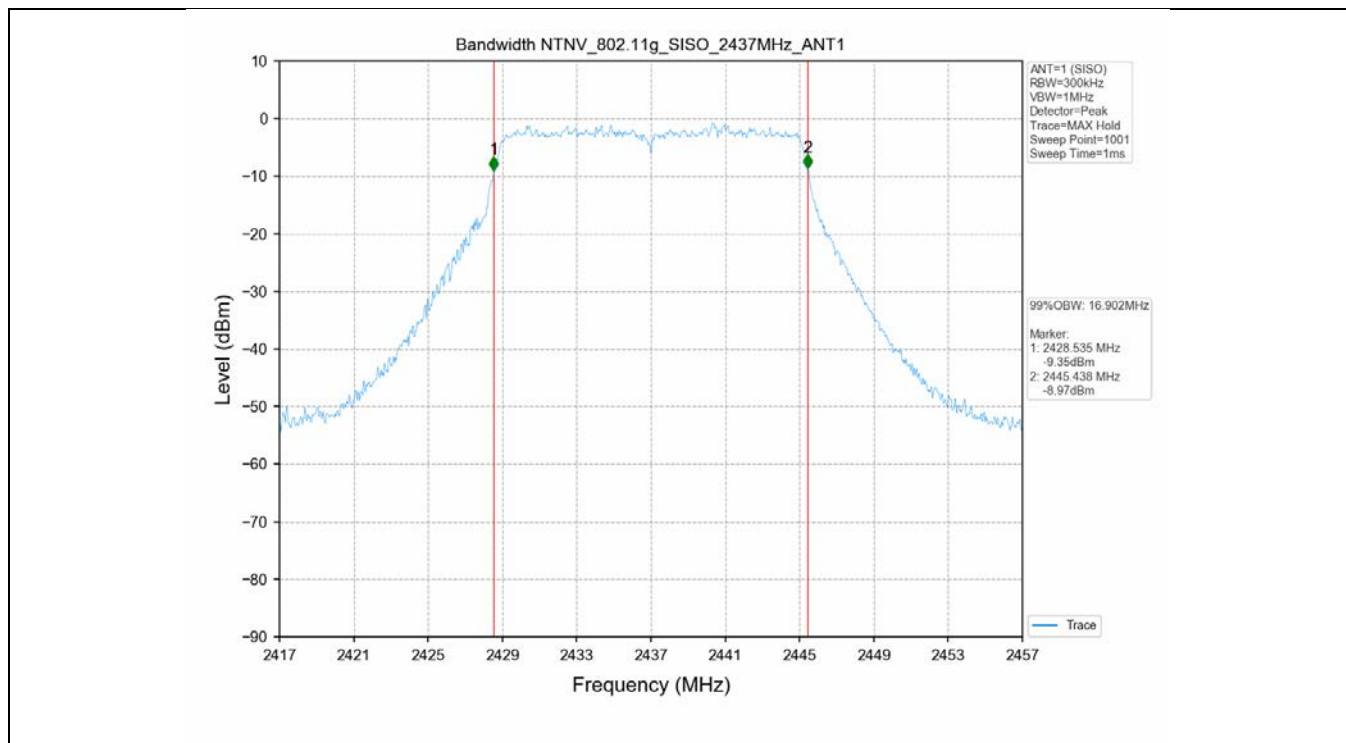
2.3 Test Graph - 99% Occupied Bandwidth

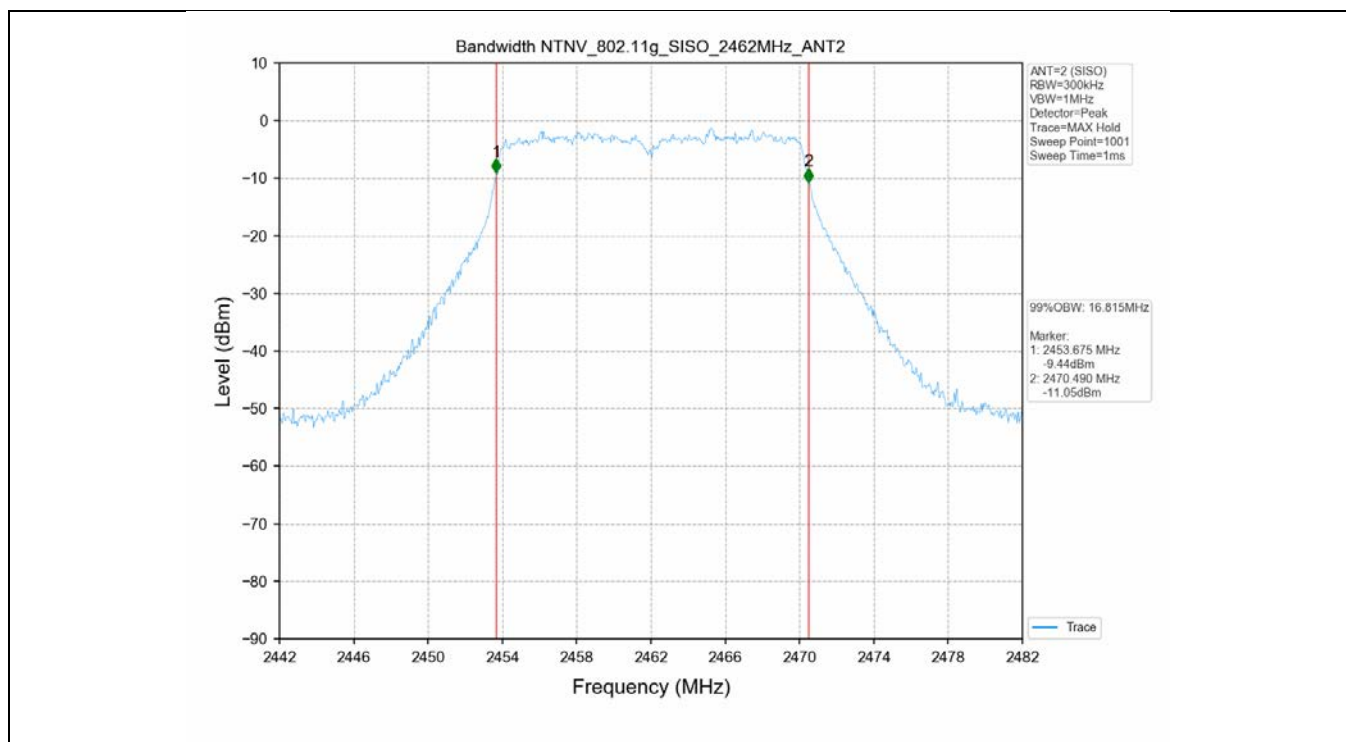
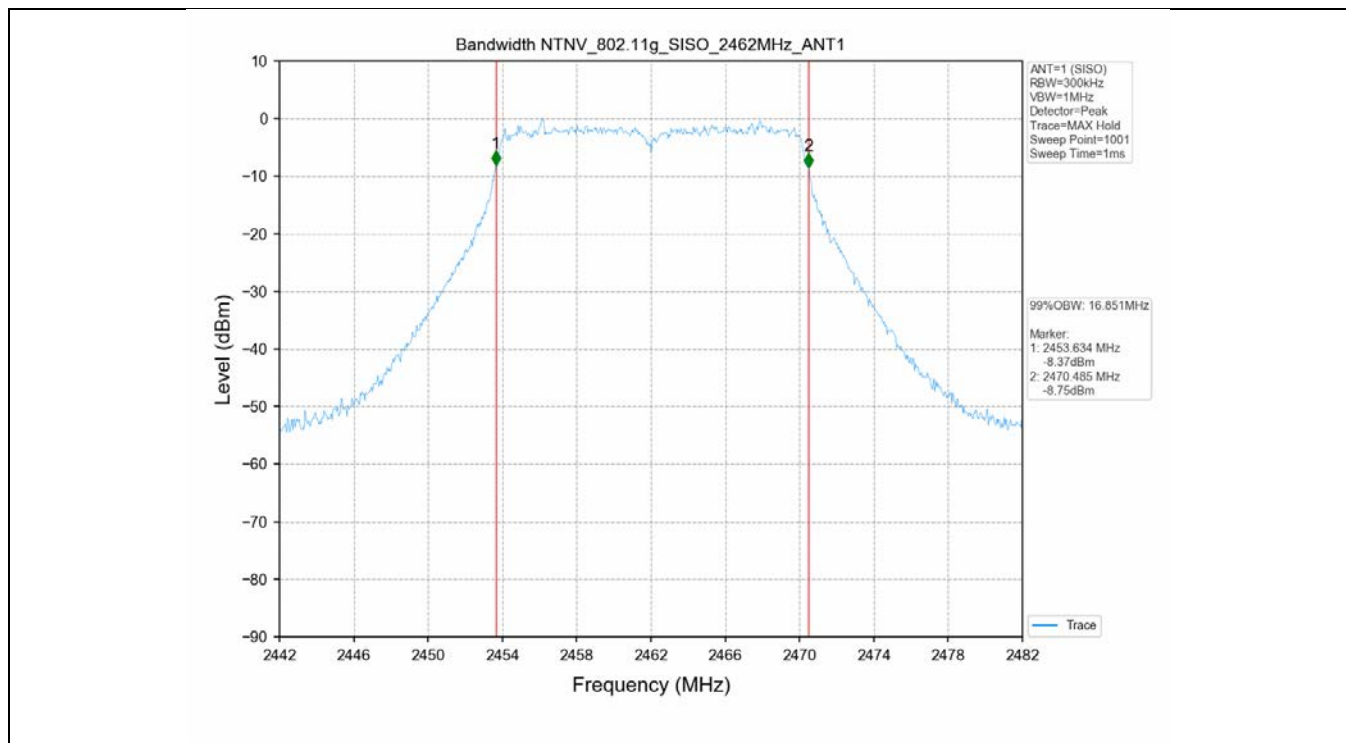


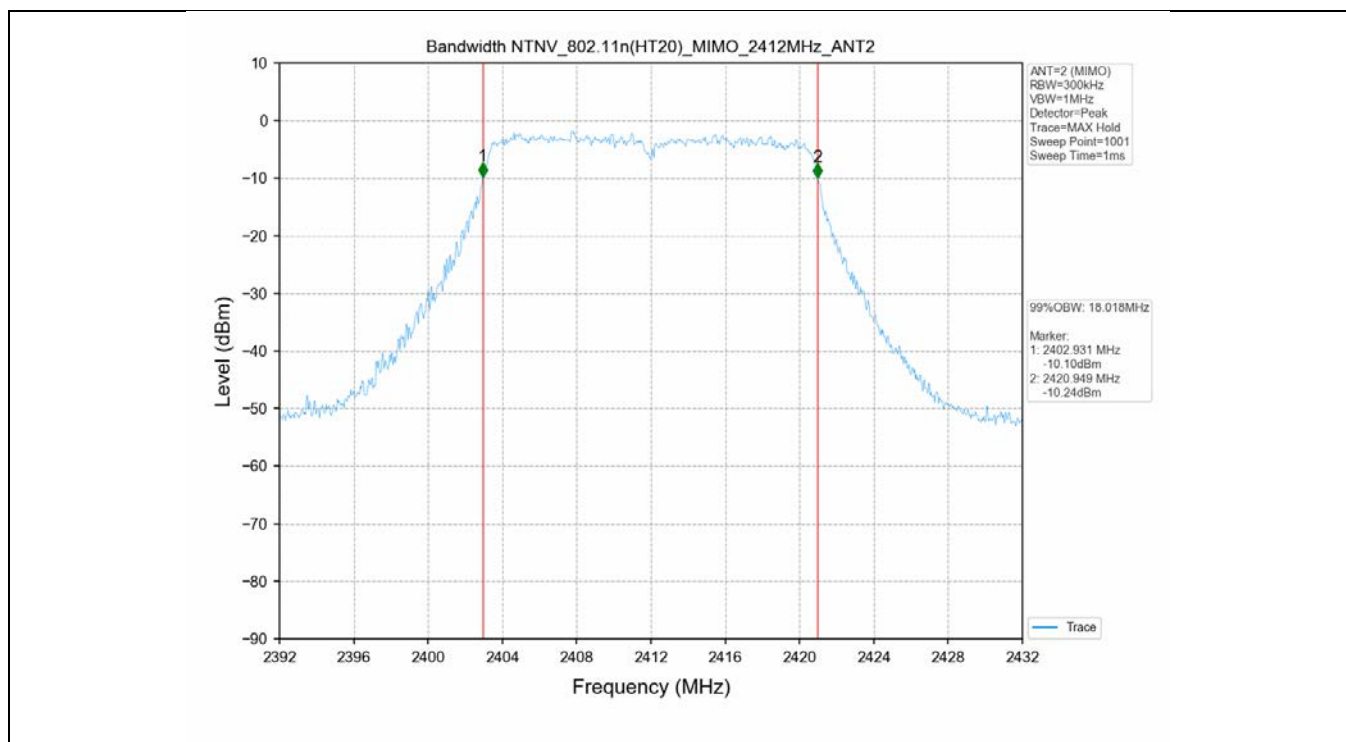
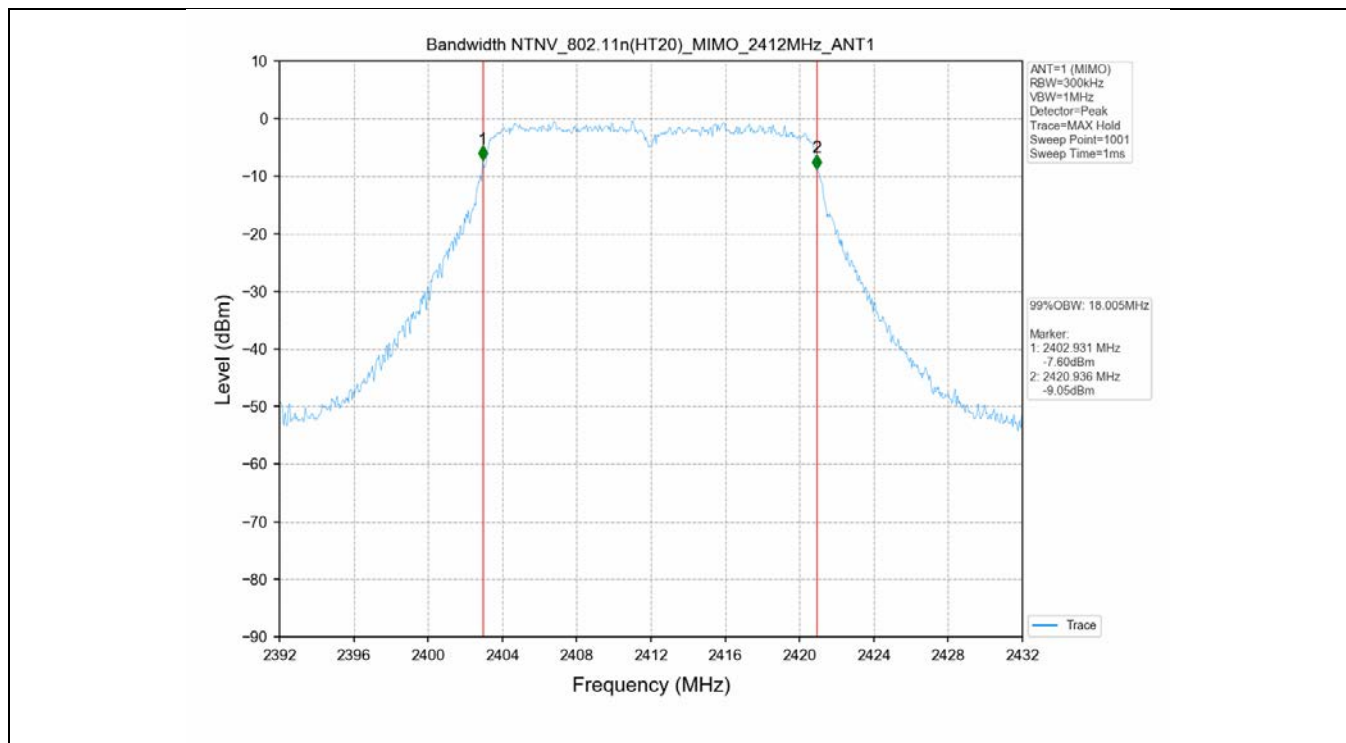


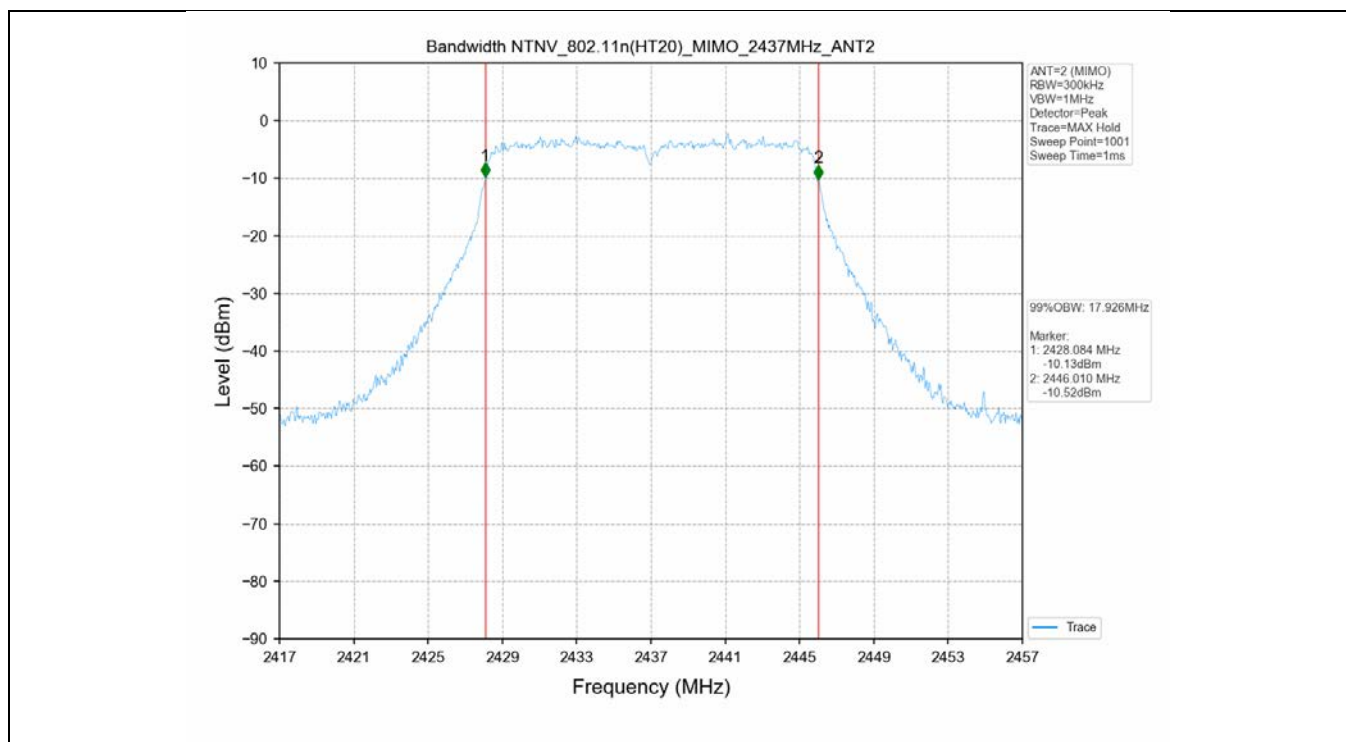
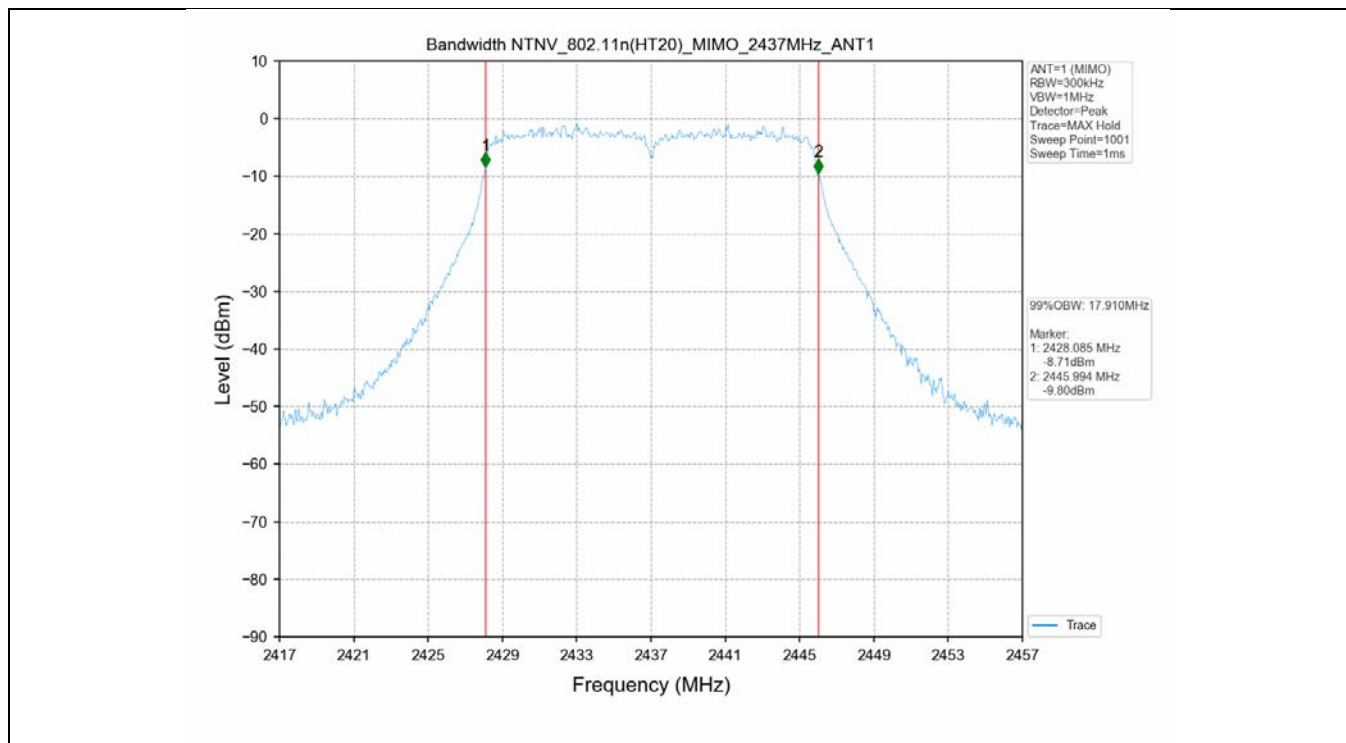


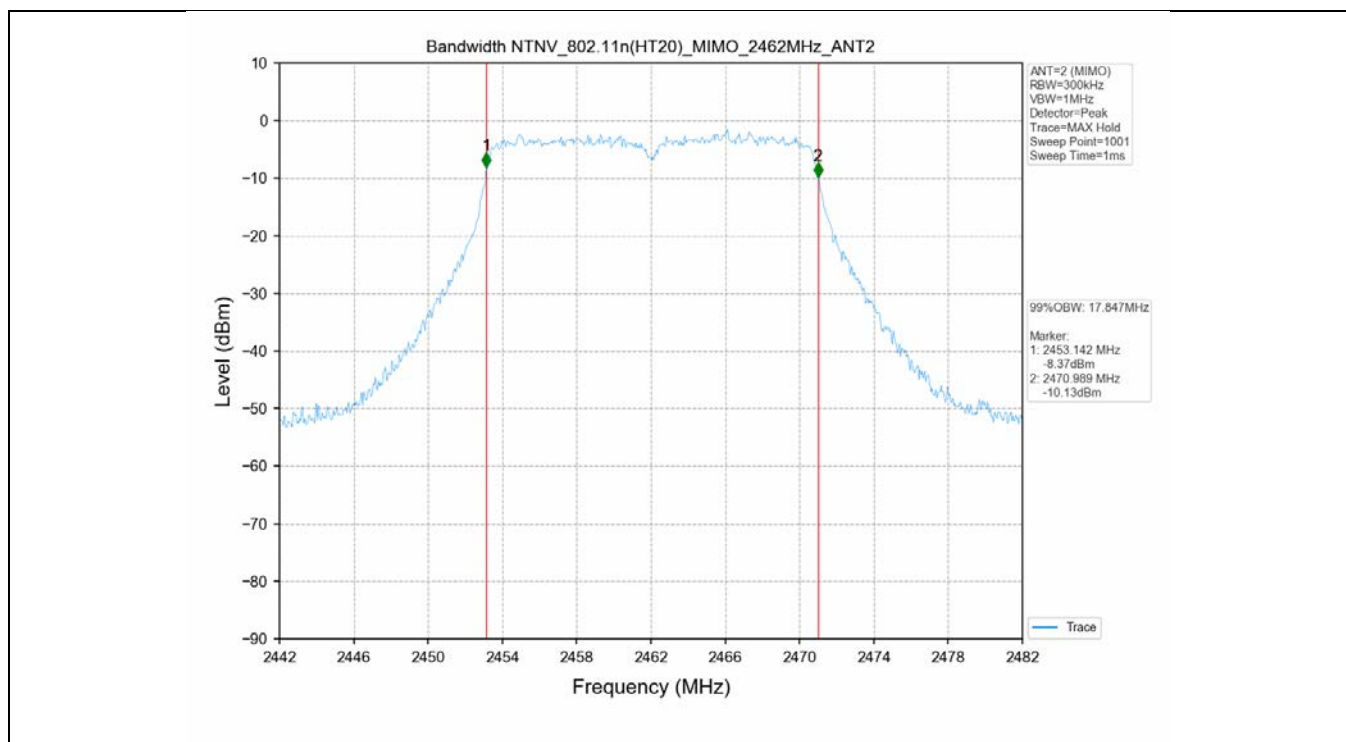
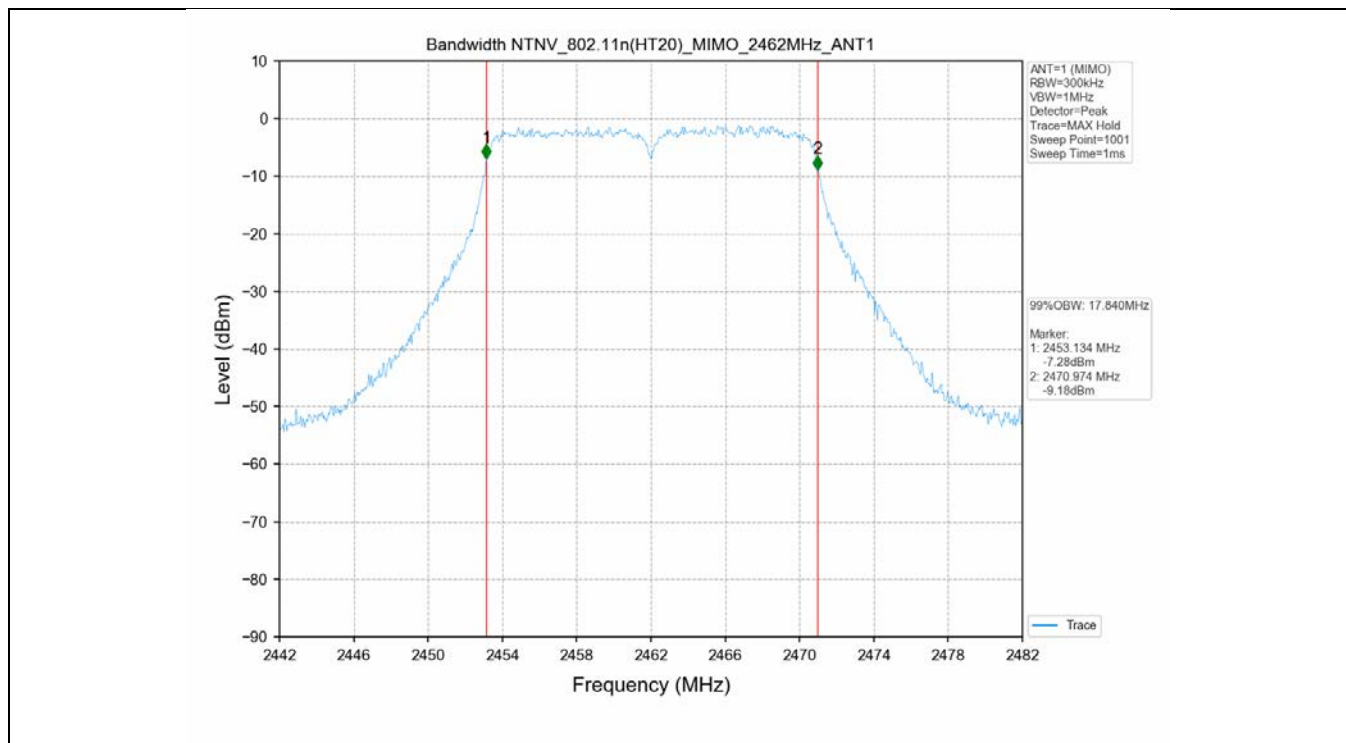


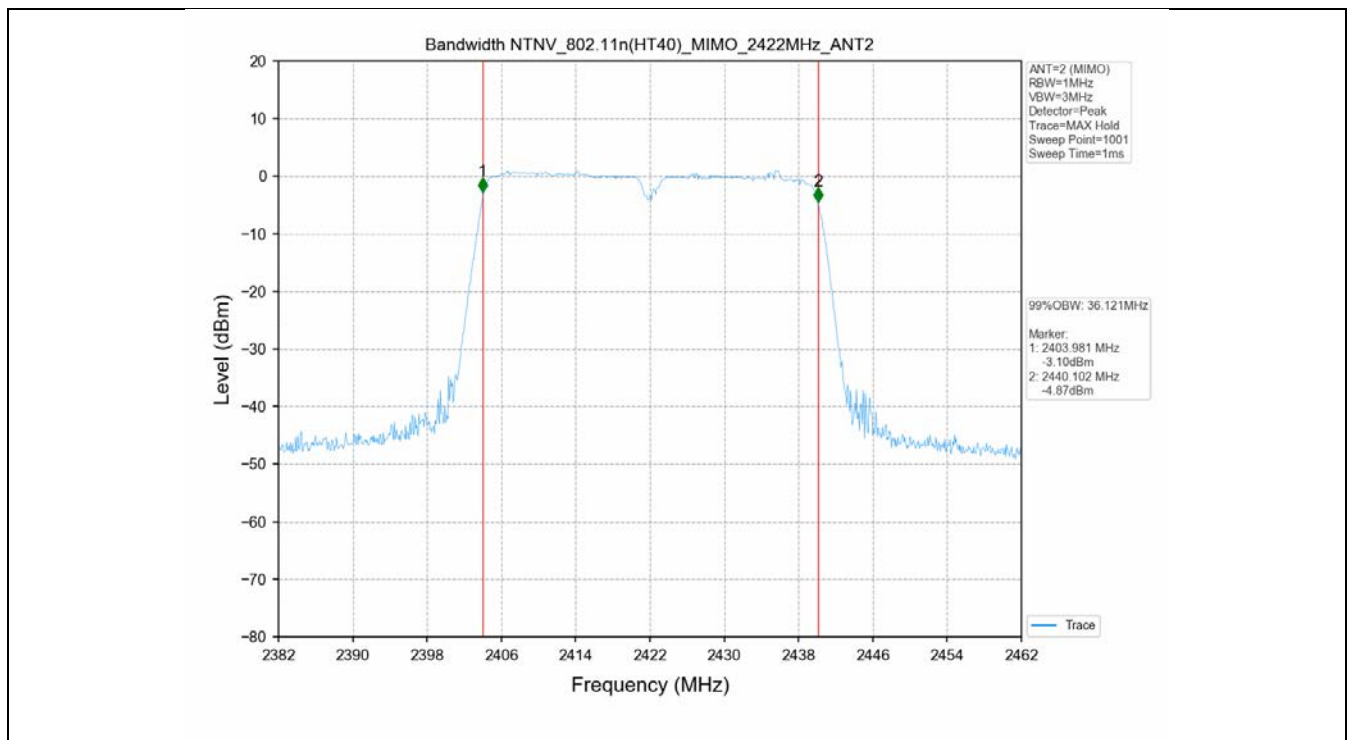
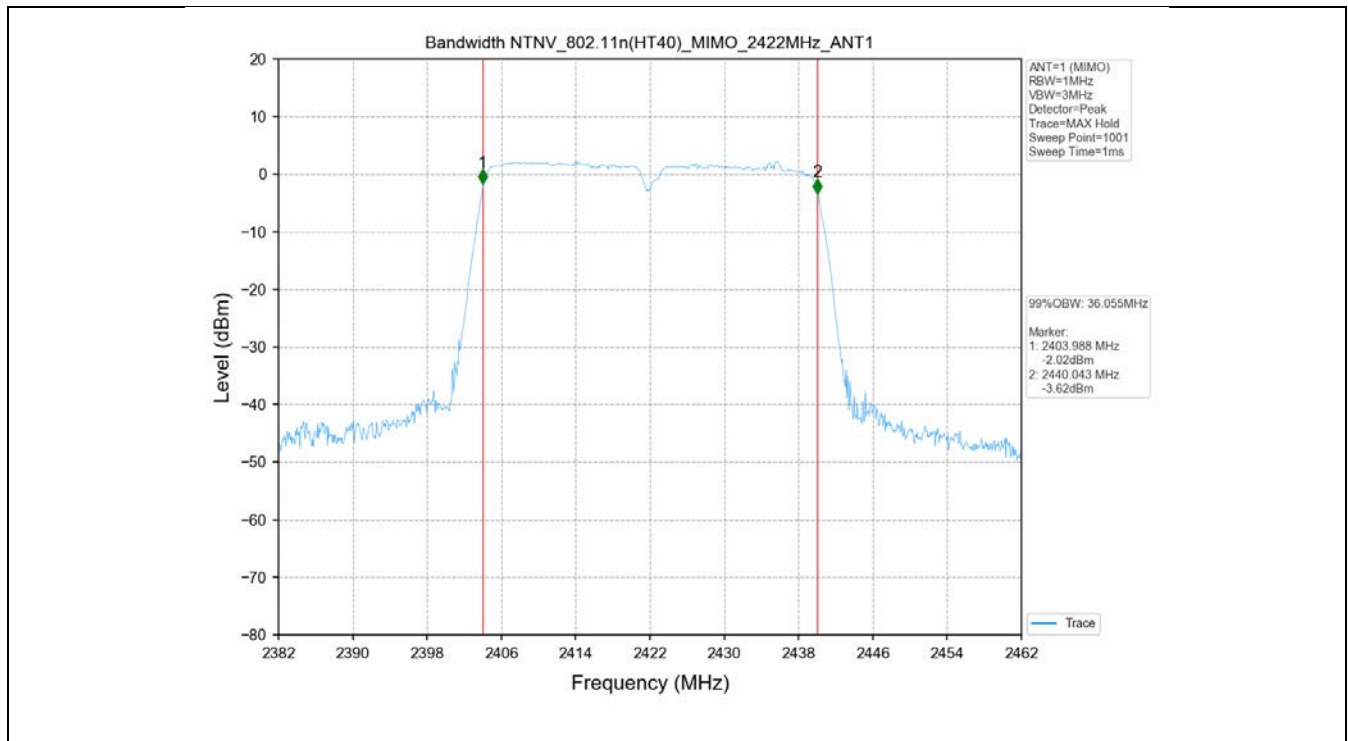


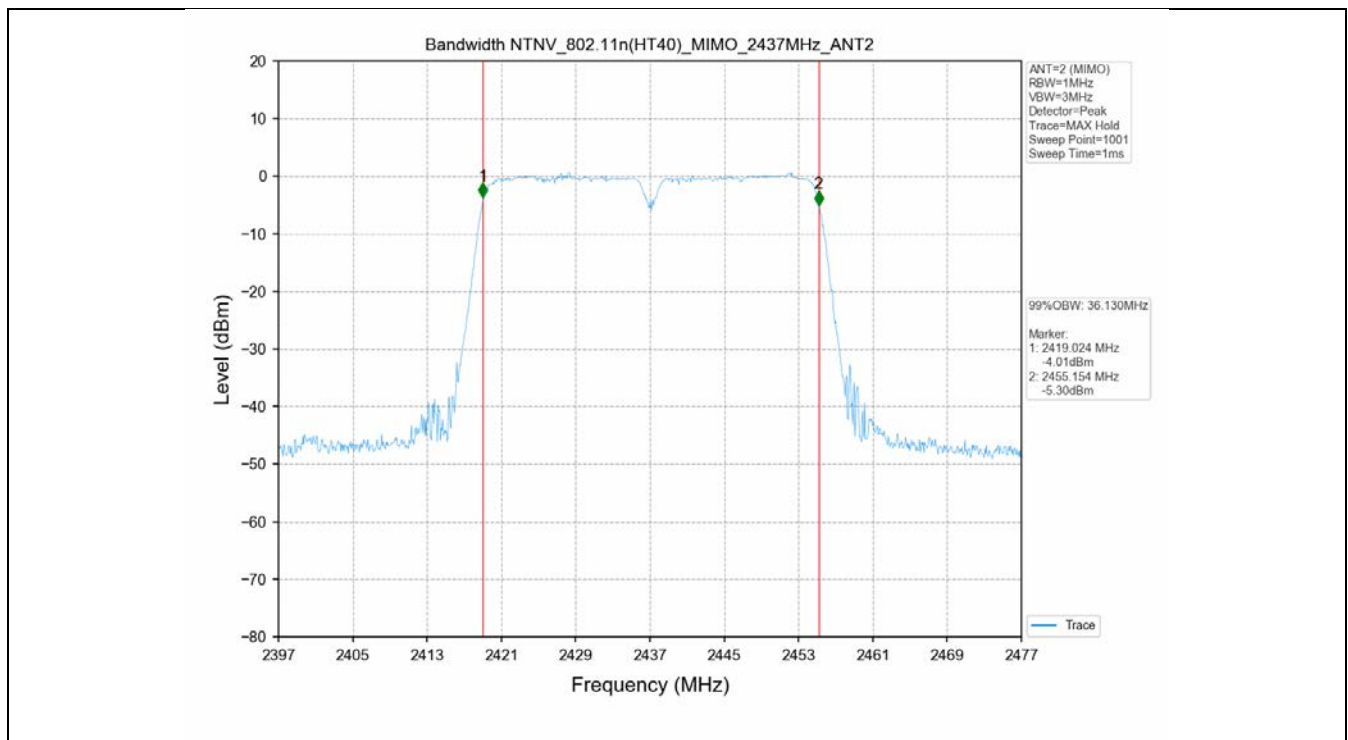
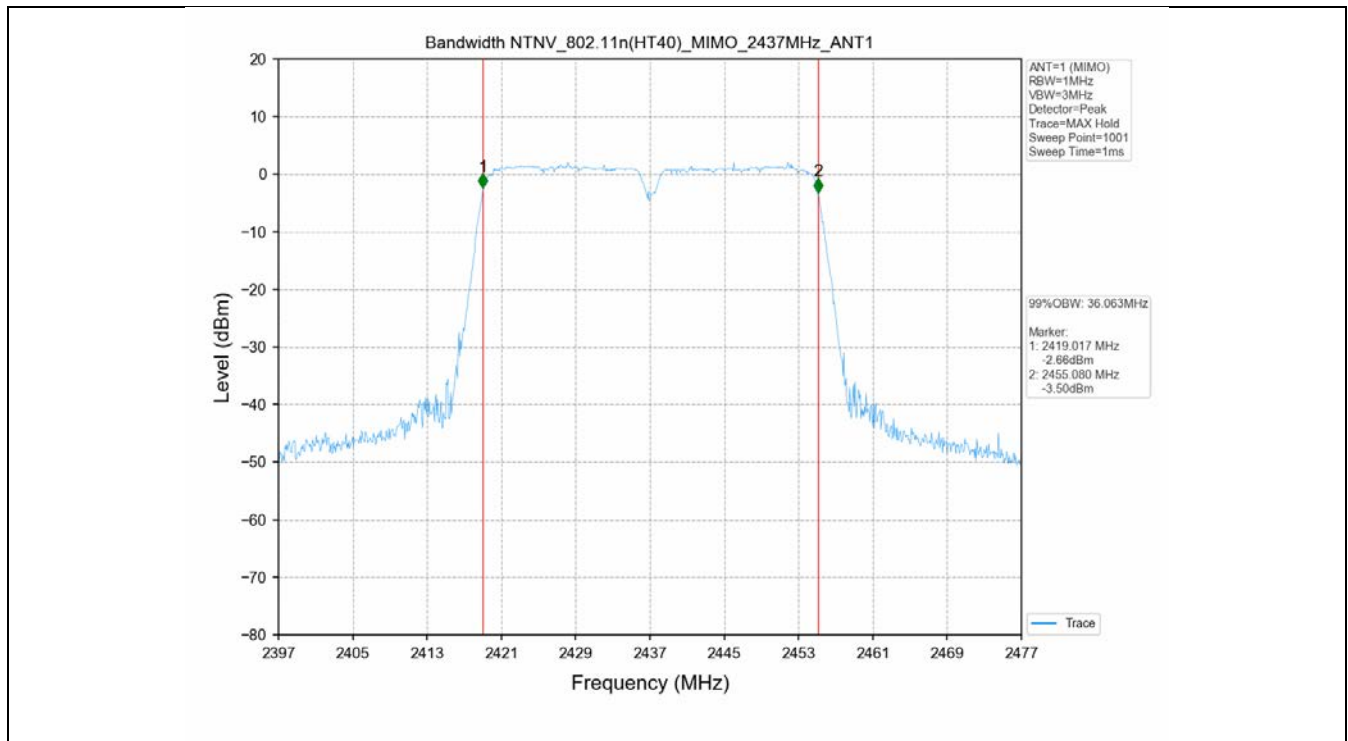


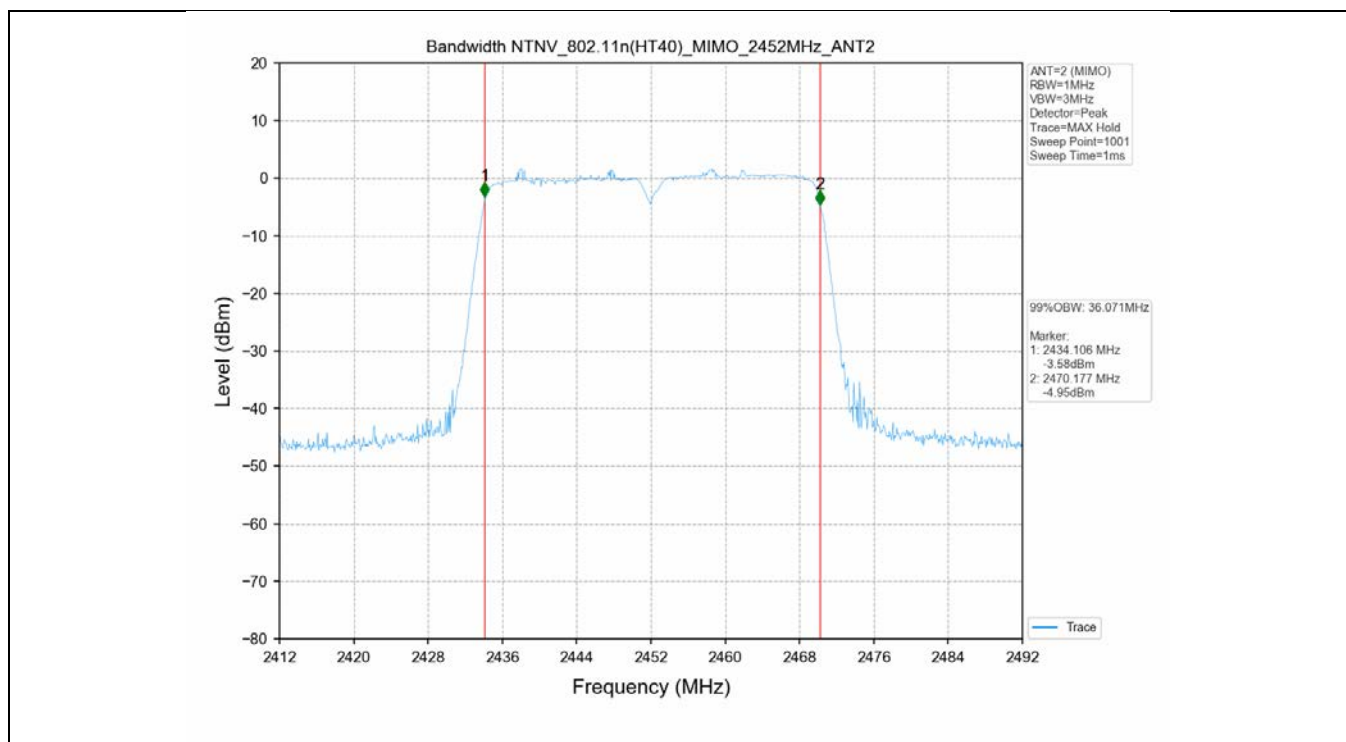
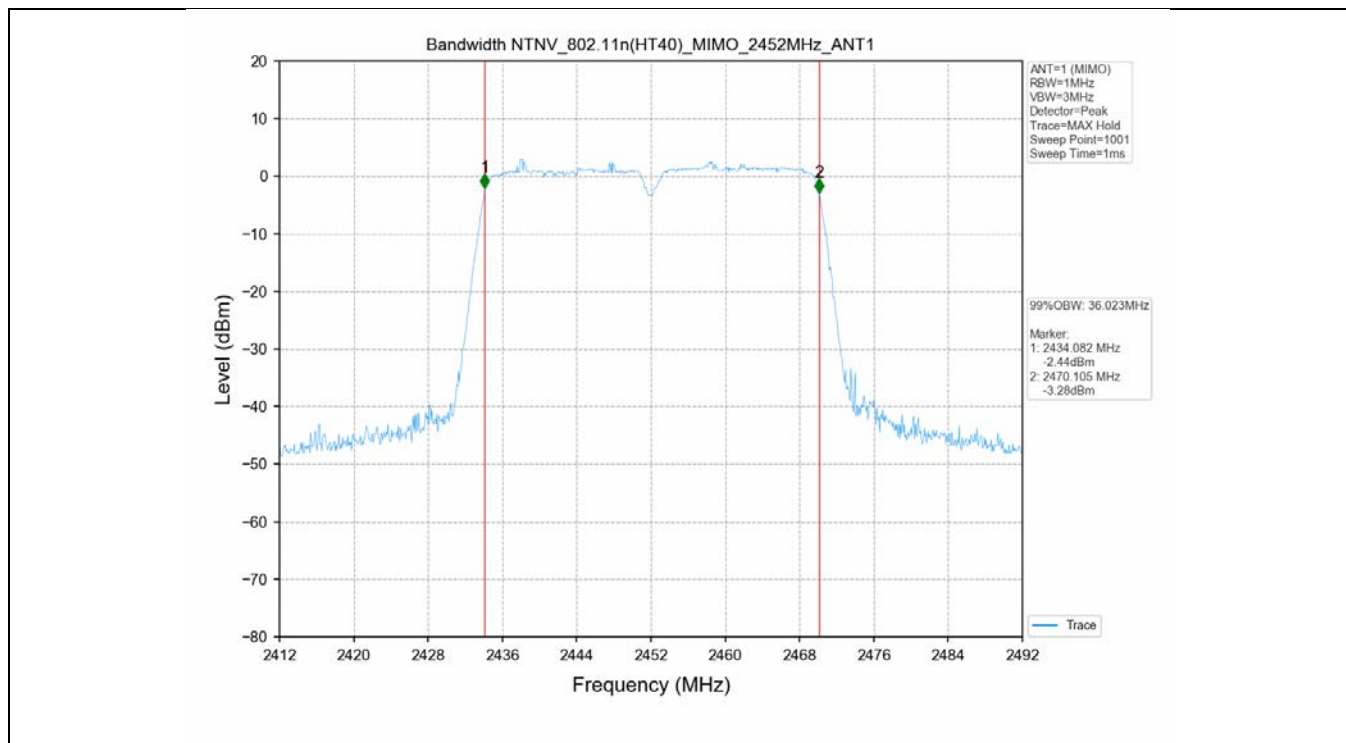














3. Maximum Conducted Output Power

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	17.67	16.32	/	30	PASS
	2437	SISO	16.90	15.71	/	30	PASS
	2462	SISO	17.24	16.33	/	30	PASS
802.11g	2412	SISO	16.17	14.77	/	30	PASS
	2437	SISO	15.37	14.09	/	30	PASS
	2462	SISO	15.75	14.68	/	30	PASS
802.11n(HT20)	2412	MIMO	16.24	14.67	18.54	30	PASS
	2437	MIMO	15.33	14.05	17.75	30	PASS
	2462	MIMO	15.69	14.65	18.21	30	PASS
802.11n(HT40)	2422	MIMO	16.24	14.90	18.63	30	PASS
	2437	MIMO	15.88	14.66	18.32	30	PASS
	2452	MIMO	16.04	14.98	18.55	30	PASS

3.2 Test Graph

