



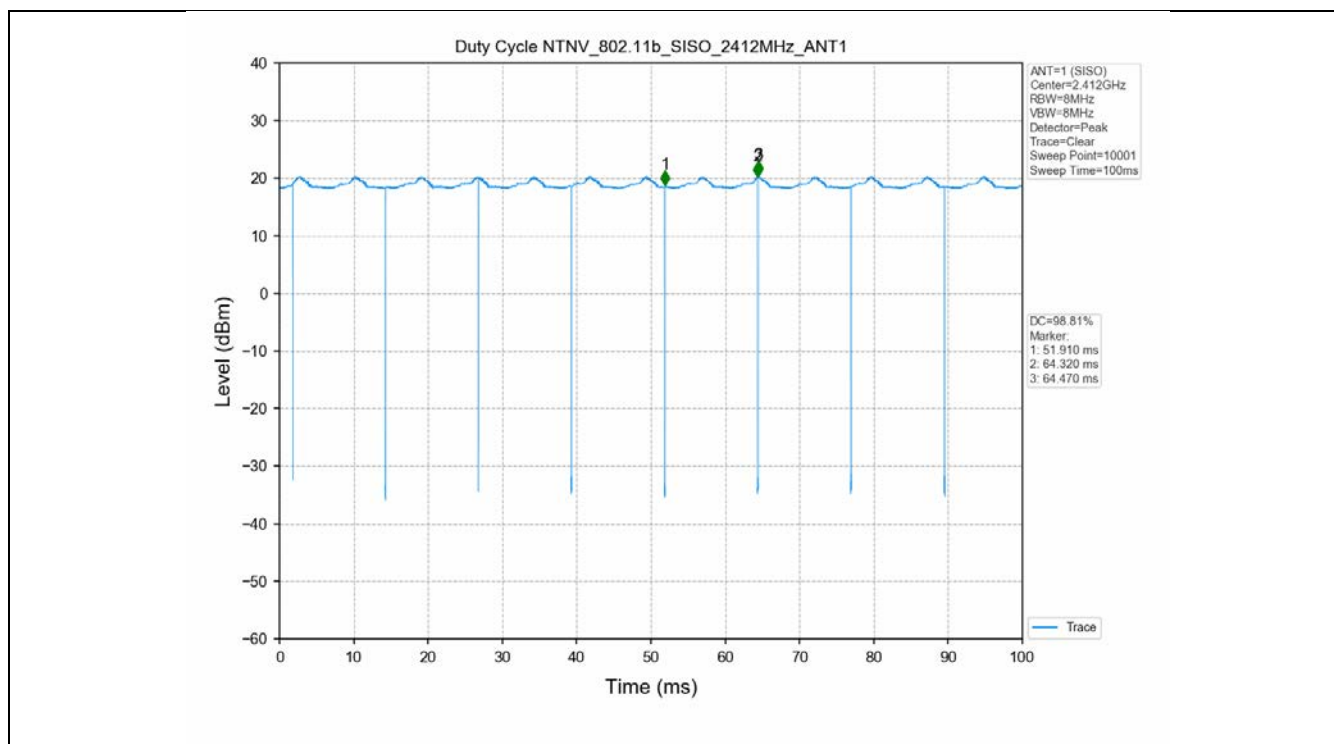
Appendix A for SHEM200600462201

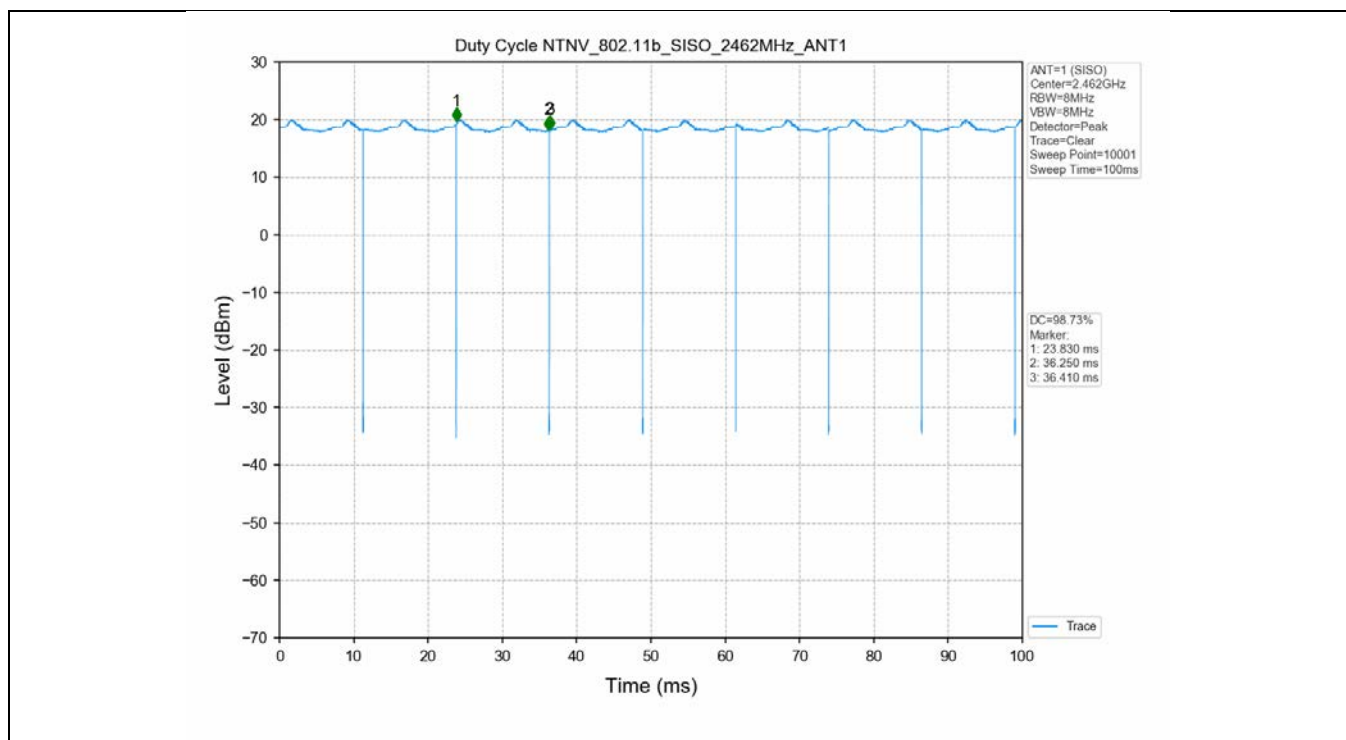
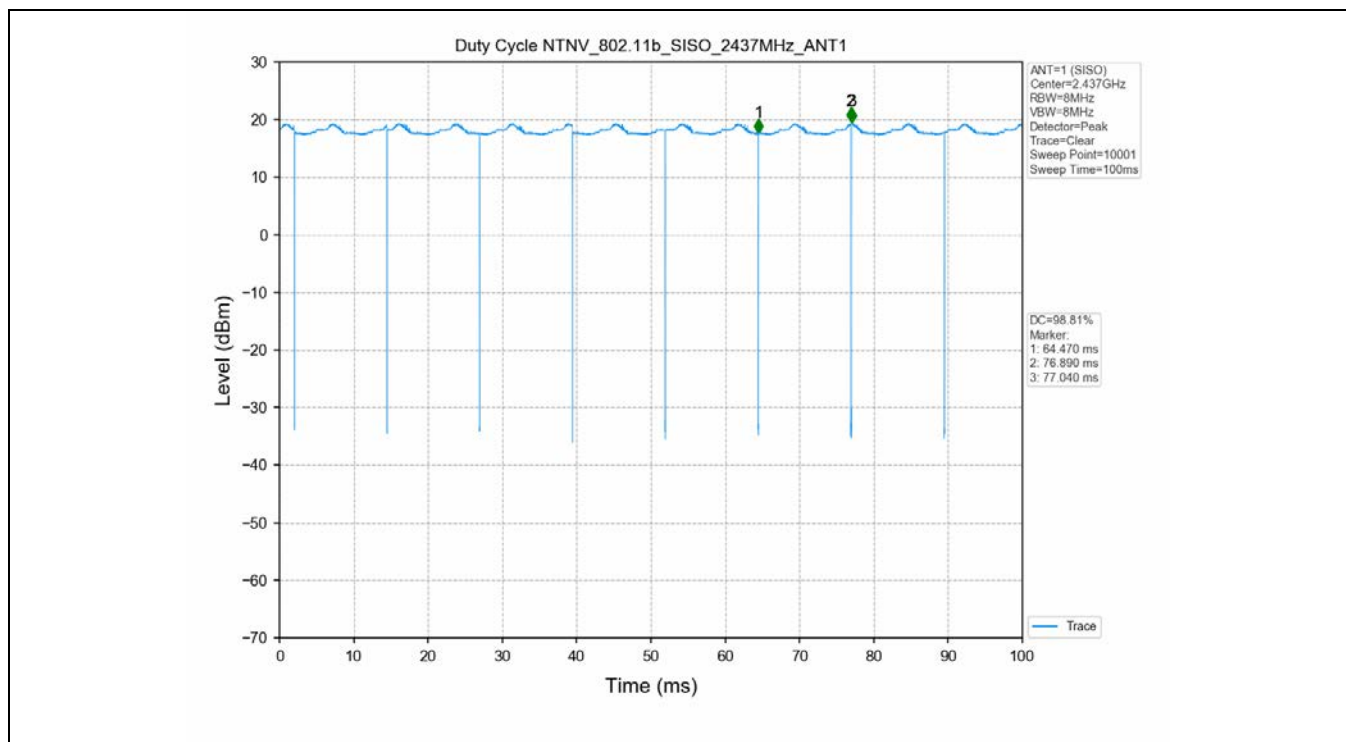
1. Duty Cycle

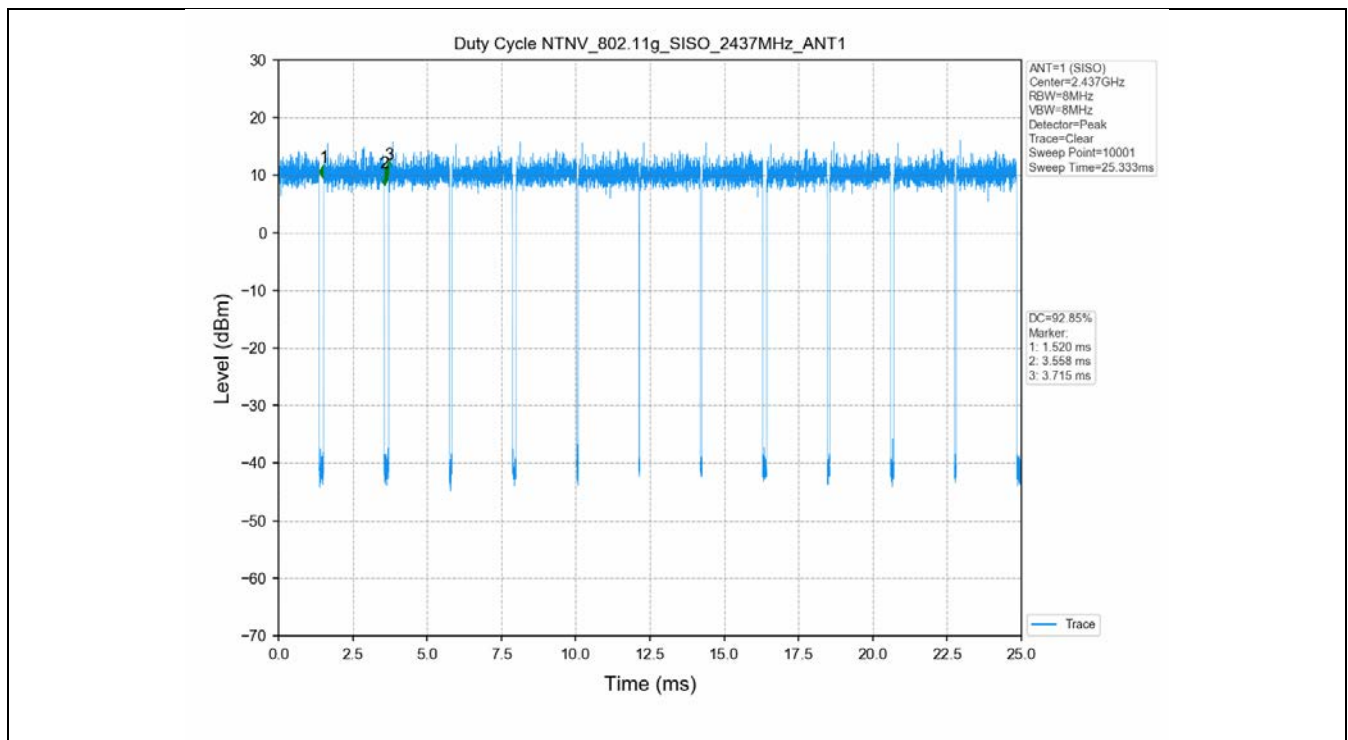
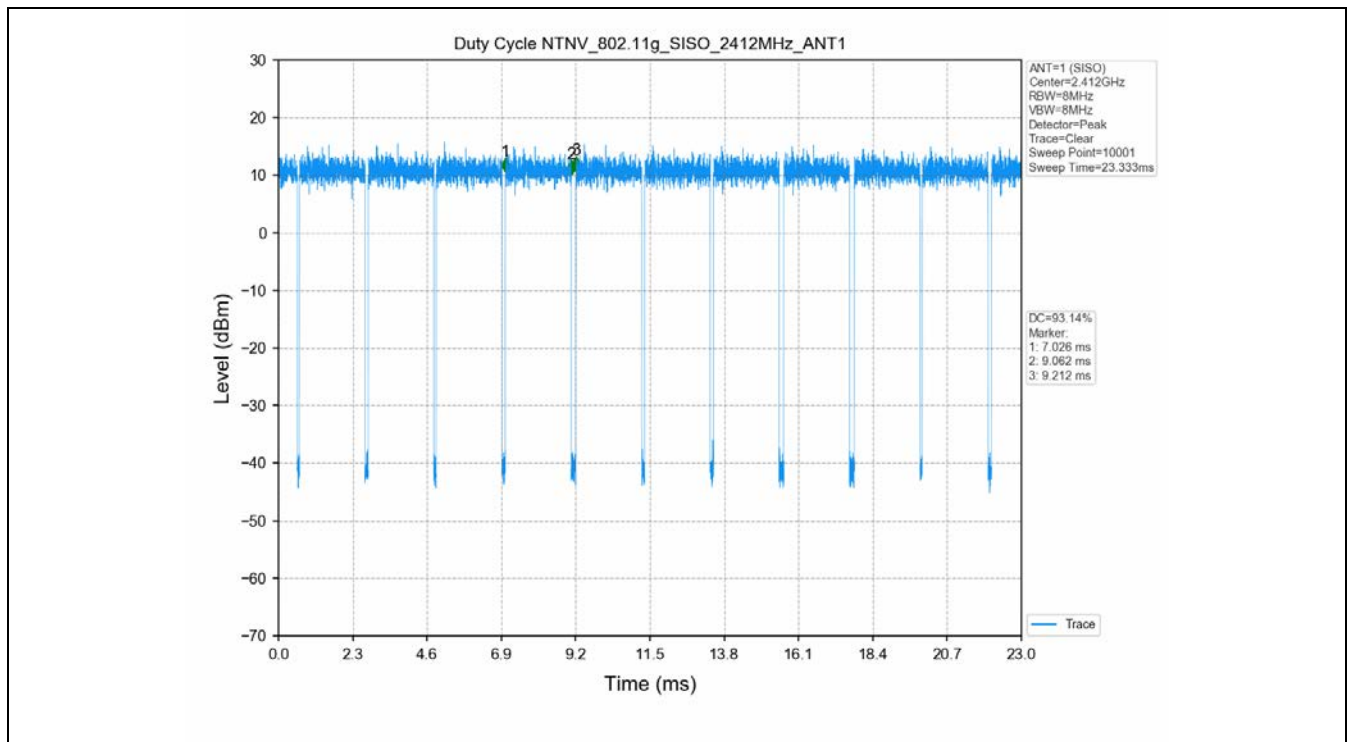
1.1 Test Result

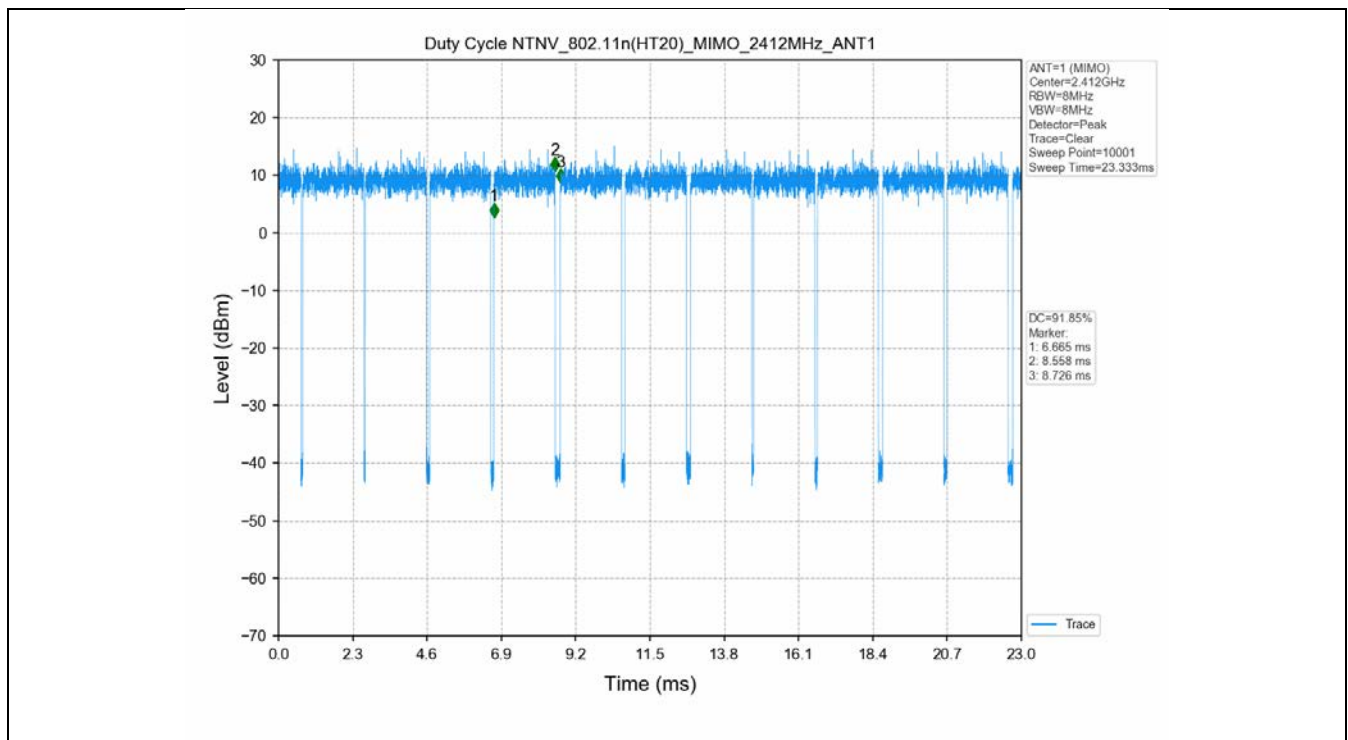
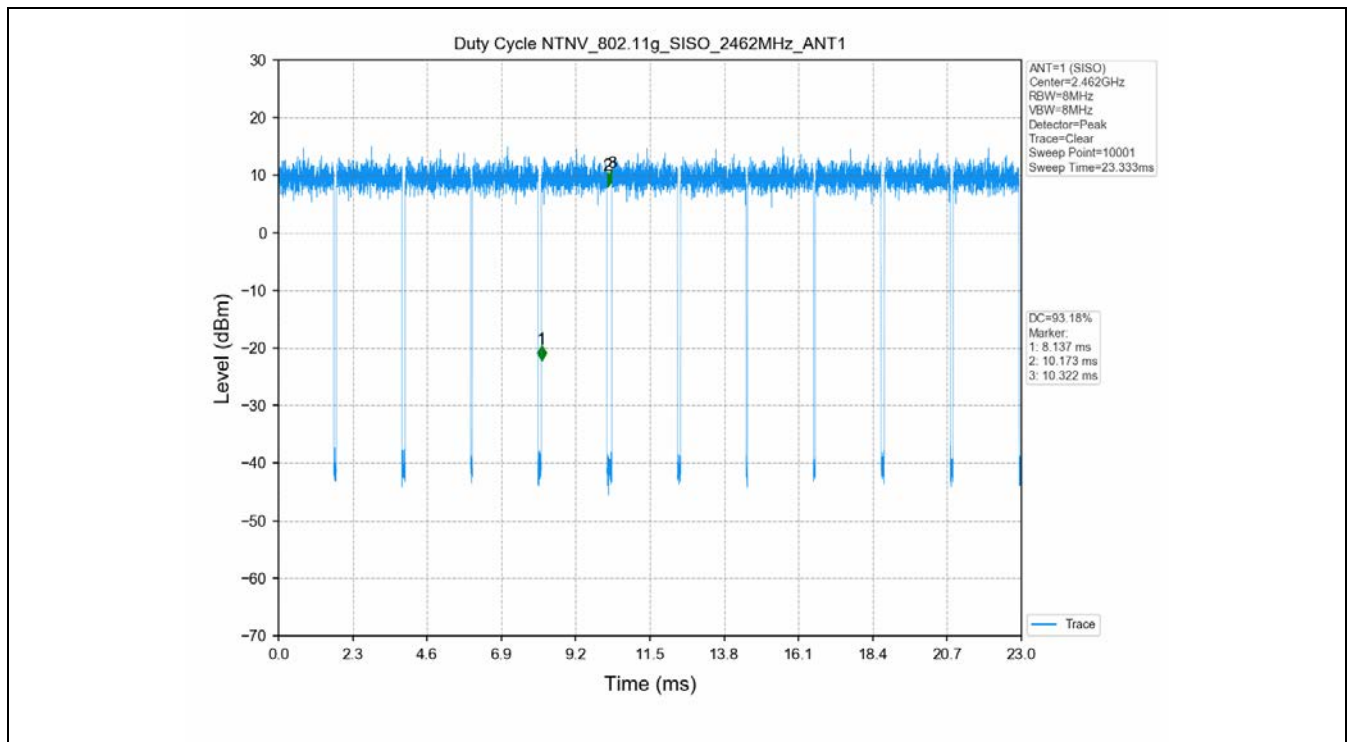
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.410	12.560	98.81	0.05
	2437	SISO	1	12.420	12.570	98.81	0.05
	2462	SISO	1	12.420	12.580	98.73	0.06
802.11g	2412	SISO	1	2.036	2.186	93.14	0.31
	2437	SISO	1	2.038	2.195	92.85	0.32
	2462	SISO	1	2.036	2.185	93.18	0.31
802.11n(HT20)	2412	MIMO	1	1.893	2.061	91.85	0.37
	2437	MIMO	1	1.895	2.052	92.35	0.35
	2462	MIMO	1	1.890	2.031	93.06	0.31
802.11n(HT40)	2422	MIMO	1	0.917	1.073	85.46	0.68
	2437	MIMO	1	0.918	1.030	89.13	0.50
	2452	MIMO	1	0.918	1.082	84.84	0.71

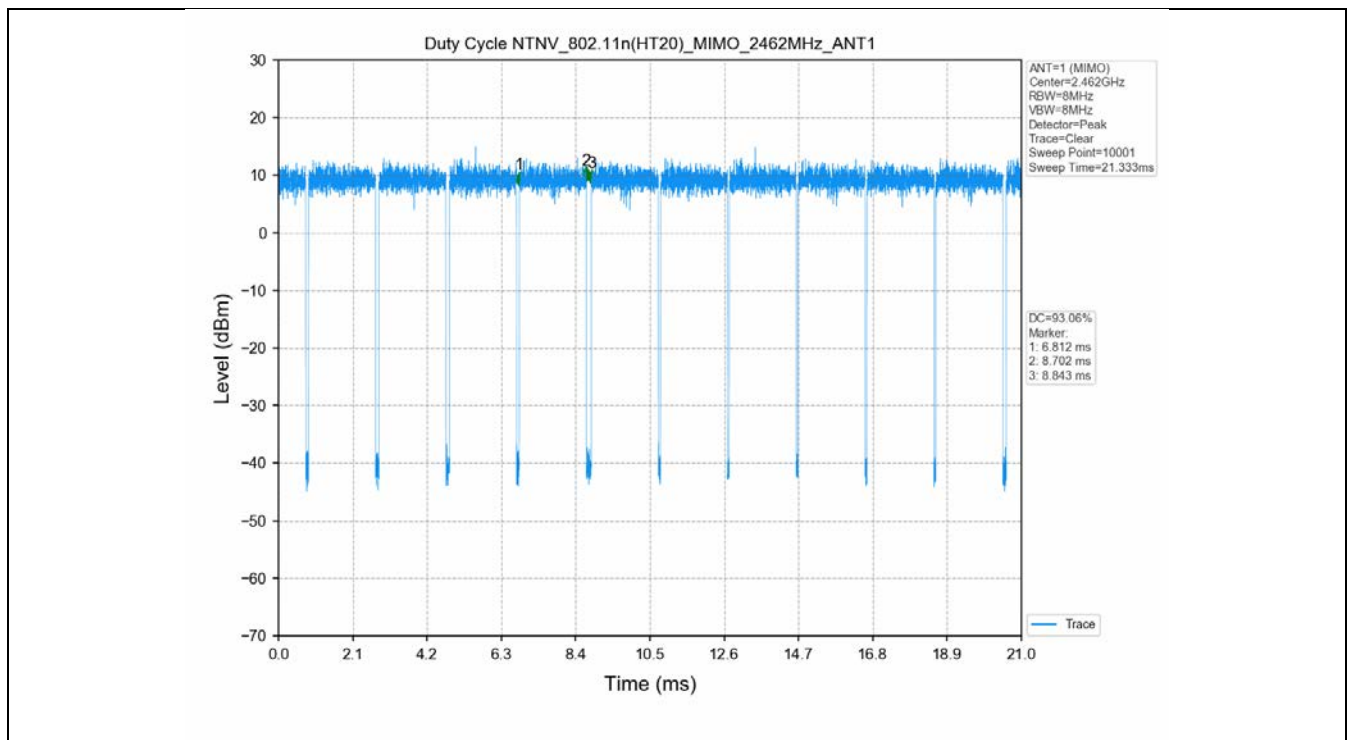
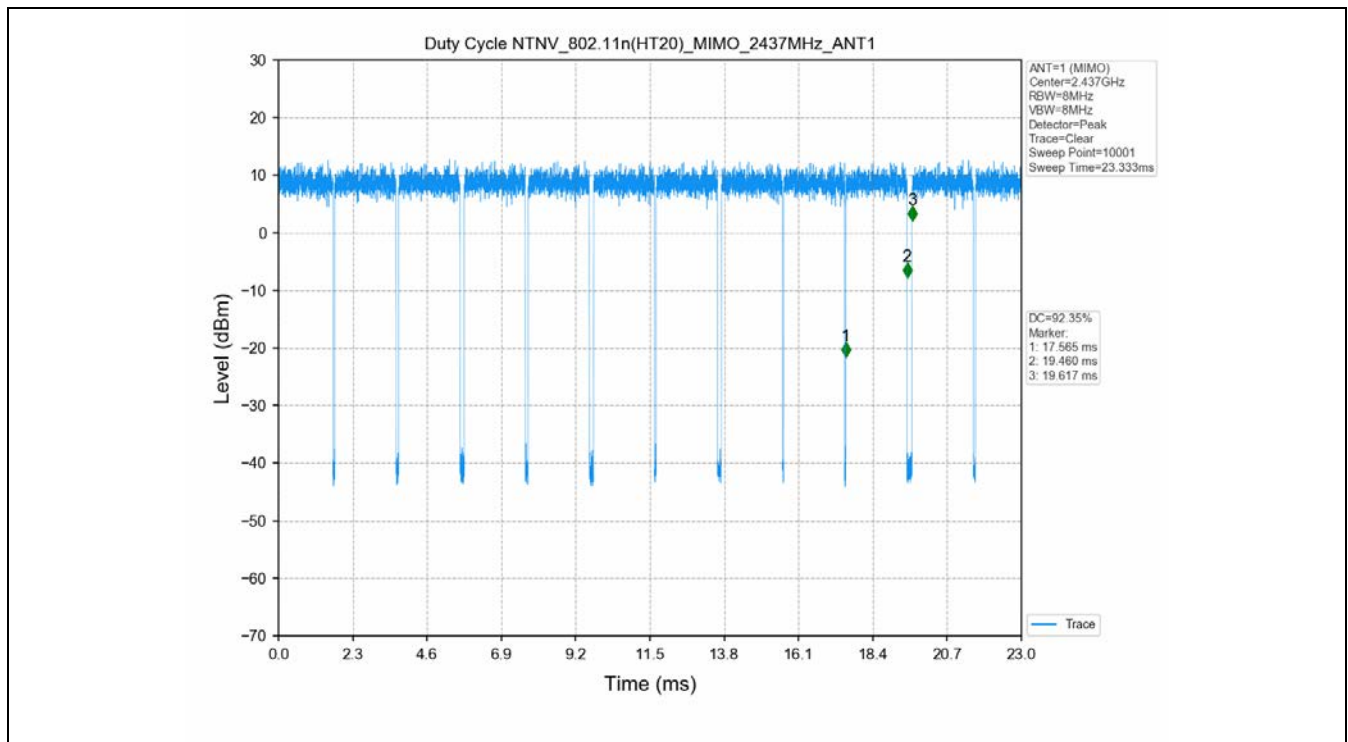
1.2 Test Graph

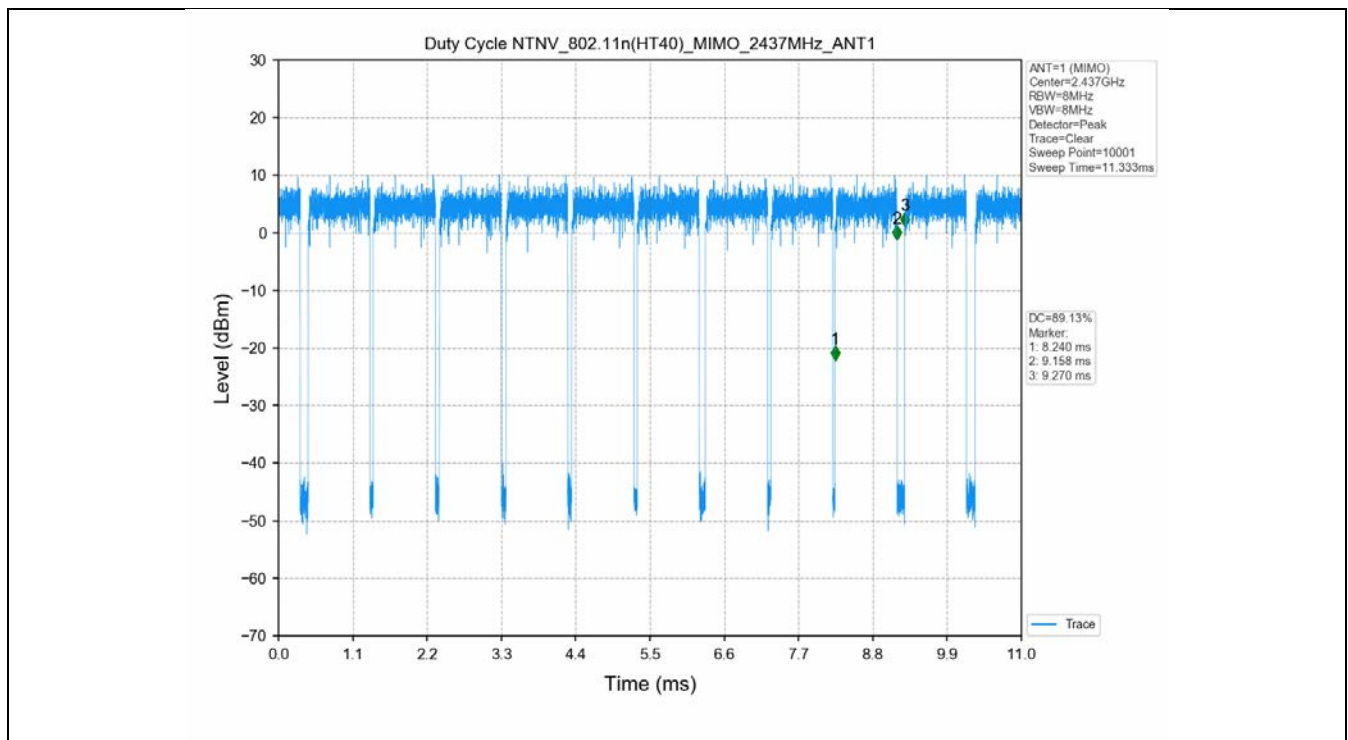
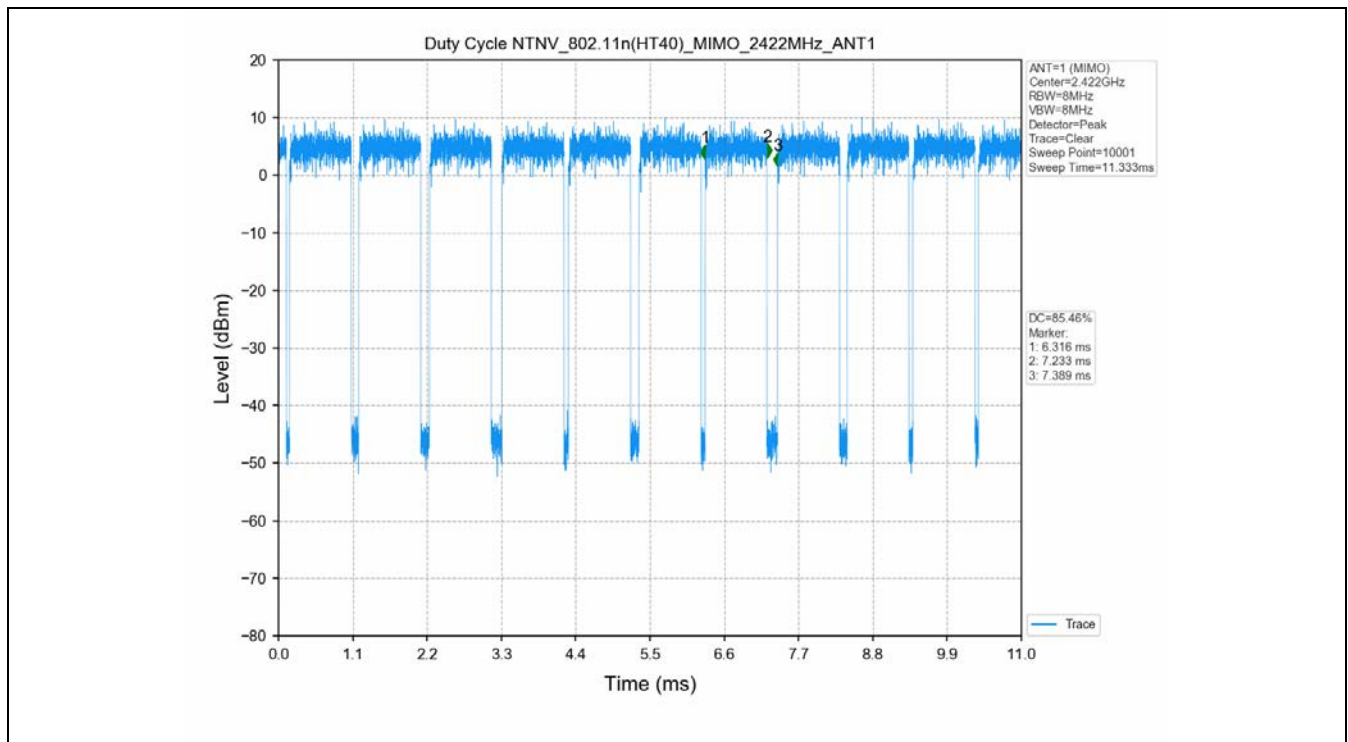


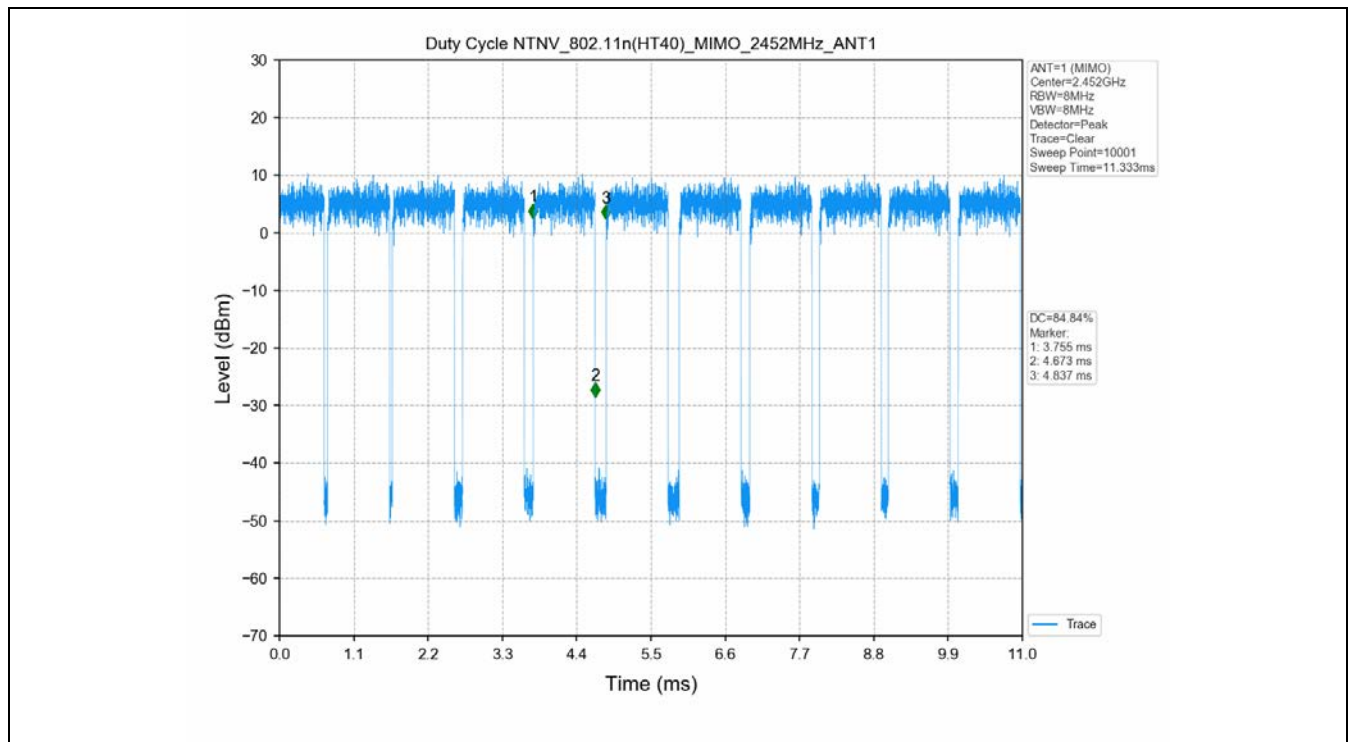












2. Bandwidth

2.1 Test Result

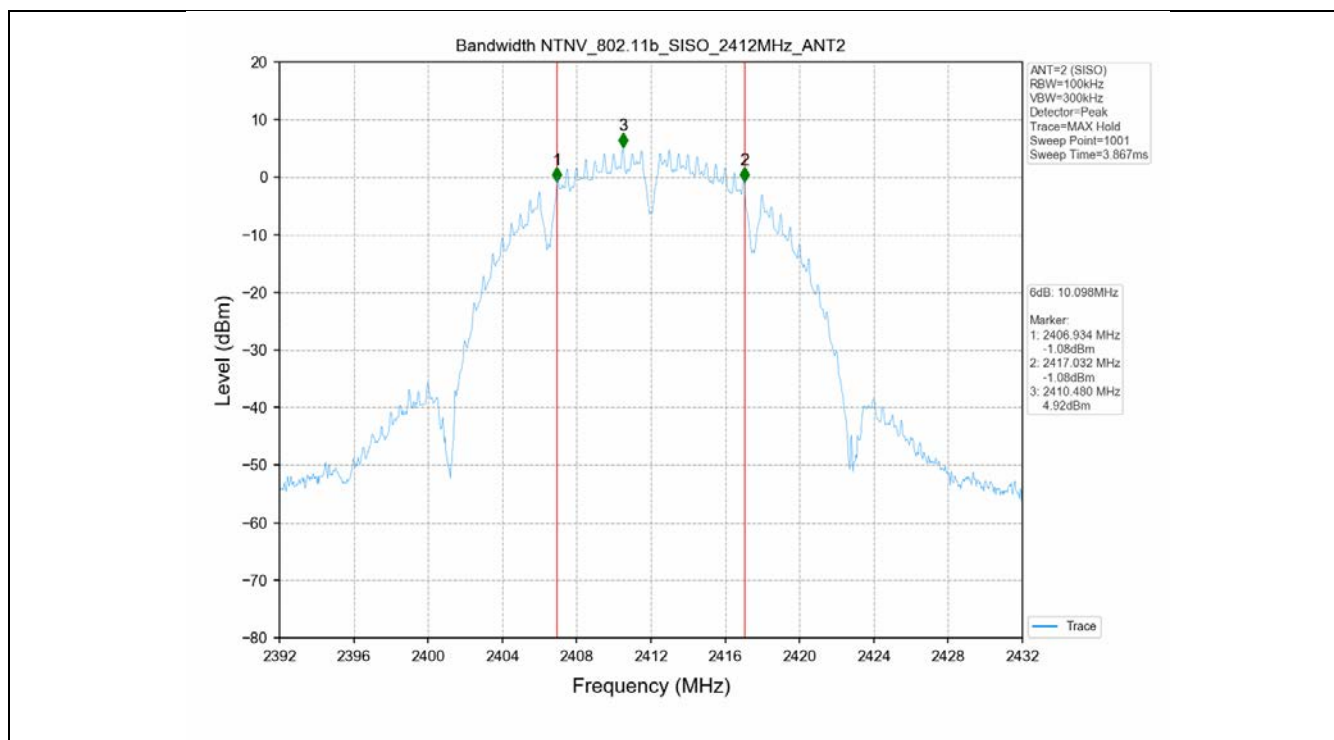
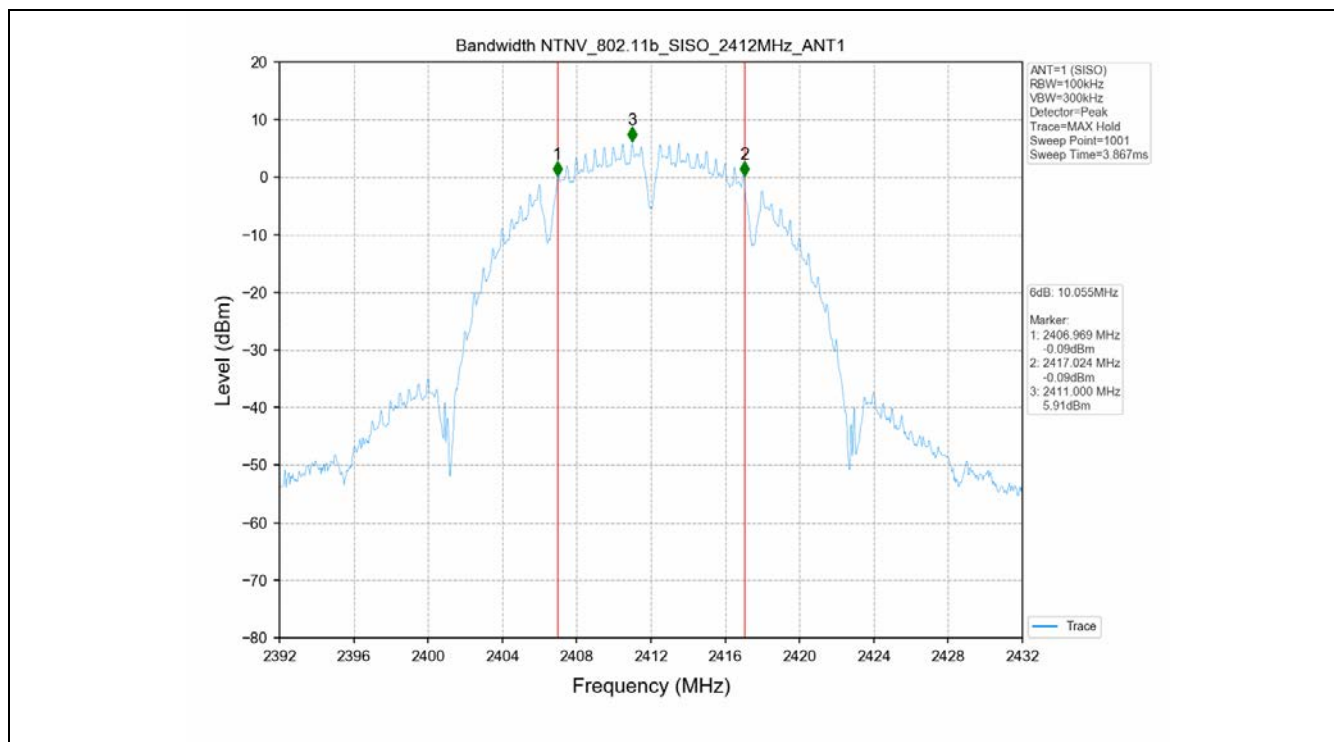
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	1.5*BW(MHz)	Span using in Power (MHz)	Span using in PSD (MHz)	Limits (MHz)	Verdict
				Test Result (MHz)					
802.11b	2412	SISO	1	10.055	15.08	15.08	15.08	≥0.5	PASS
			2	10.098	15.15	15.15	15.15	≥0.5	PASS
	2437	SISO	1	10.100	15.15	15.15	15.15	≥0.5	PASS
			2	9.637	14.46	14.46	14.46	≥0.5	PASS
	2462	SISO	1	10.045	15.07	15.07	15.07	≥0.5	PASS
			2	10.062	15.09	15.09	15.09	≥0.5	PASS
802.11g	2412	SISO	1	16.365	24.55	24.55	24.55	≥0.5	PASS
			2	16.399	24.60	24.60	24.60	≥0.5	PASS
	2437	SISO	1	16.384	24.58	24.58	24.58	≥0.5	PASS
			2	16.385	24.58	24.58	24.58	≥0.5	PASS
	2462	SISO	1	16.401	24.60	24.60	24.60	≥0.5	PASS
			2	16.387	24.58	24.58	24.58	≥0.5	PASS
802.11n(HT 20)	2412	MIMO	1	17.586	26.38	26.38	26.38	≥0.5	PASS
			2	17.383	26.07	26.07	26.07	≥0.5	PASS
	2437	MIMO	1	17.589	26.38	26.38	26.38	≥0.5	PASS
			2	17.611	26.42	26.42	26.42	≥0.5	PASS
	2462	MIMO	1	17.419	26.13	26.13	26.13	≥0.5	PASS
			2	17.571	26.36	26.36	26.36	≥0.5	PASS
802.11n(HT 40)	2422	MIMO	1	35.987	53.98	53.98	53.98	≥0.5	PASS

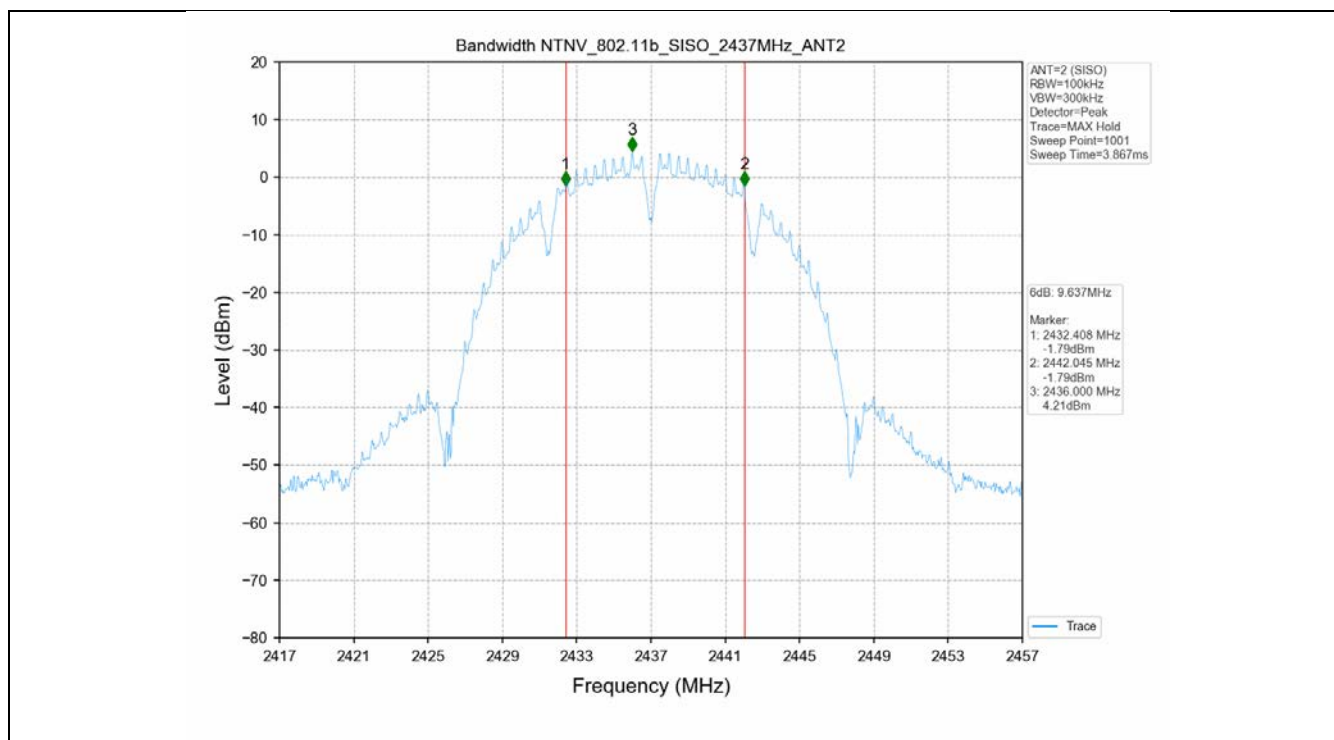
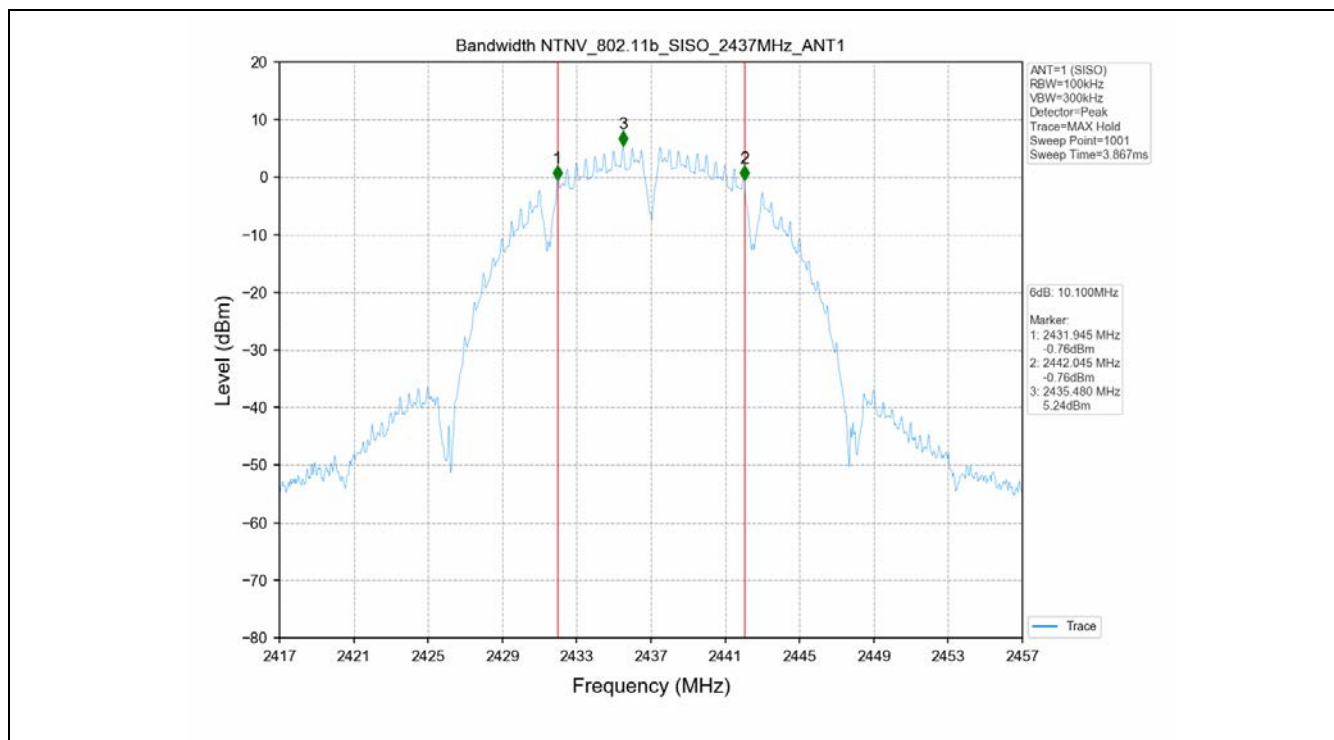


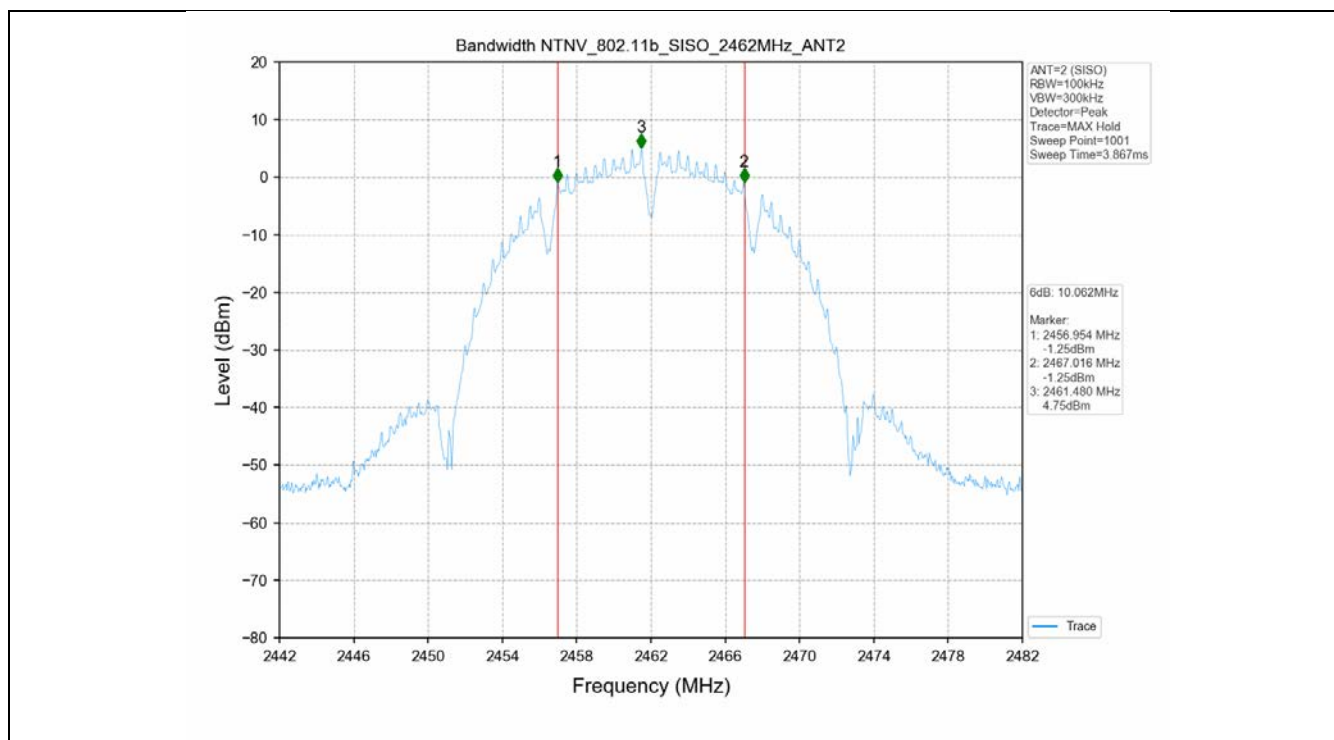
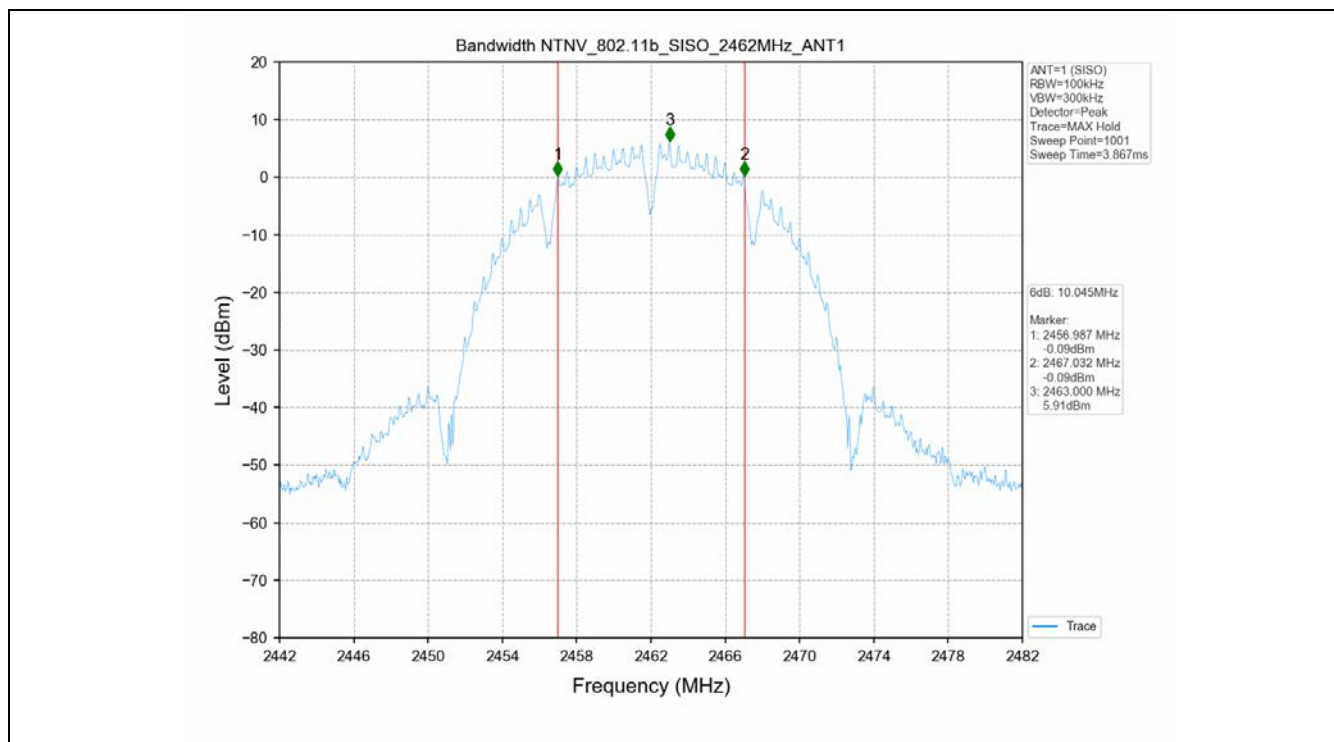
40)	2437	MIMO	2	35.699	53.55	53.55	53.55	≥0.5	PASS
			1	35.676	53.51	53.51	53.51	≥0.5	PASS
			2	35.958	53.94	53.94	53.94	≥0.5	PASS
	2452	MIMO	1	35.484	53.23	53.23	53.23	≥0.5	PASS
			2	35.795	53.69	53.69	53.69	≥0.5	PASS

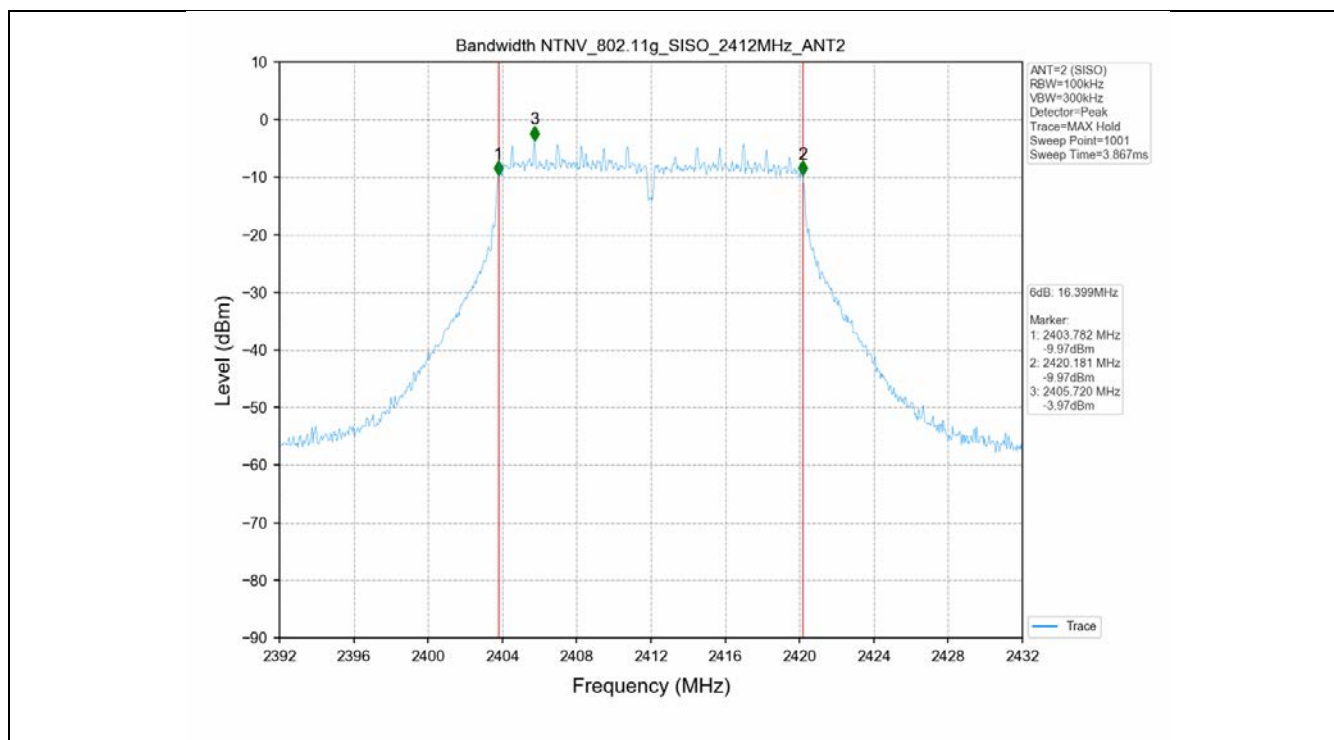
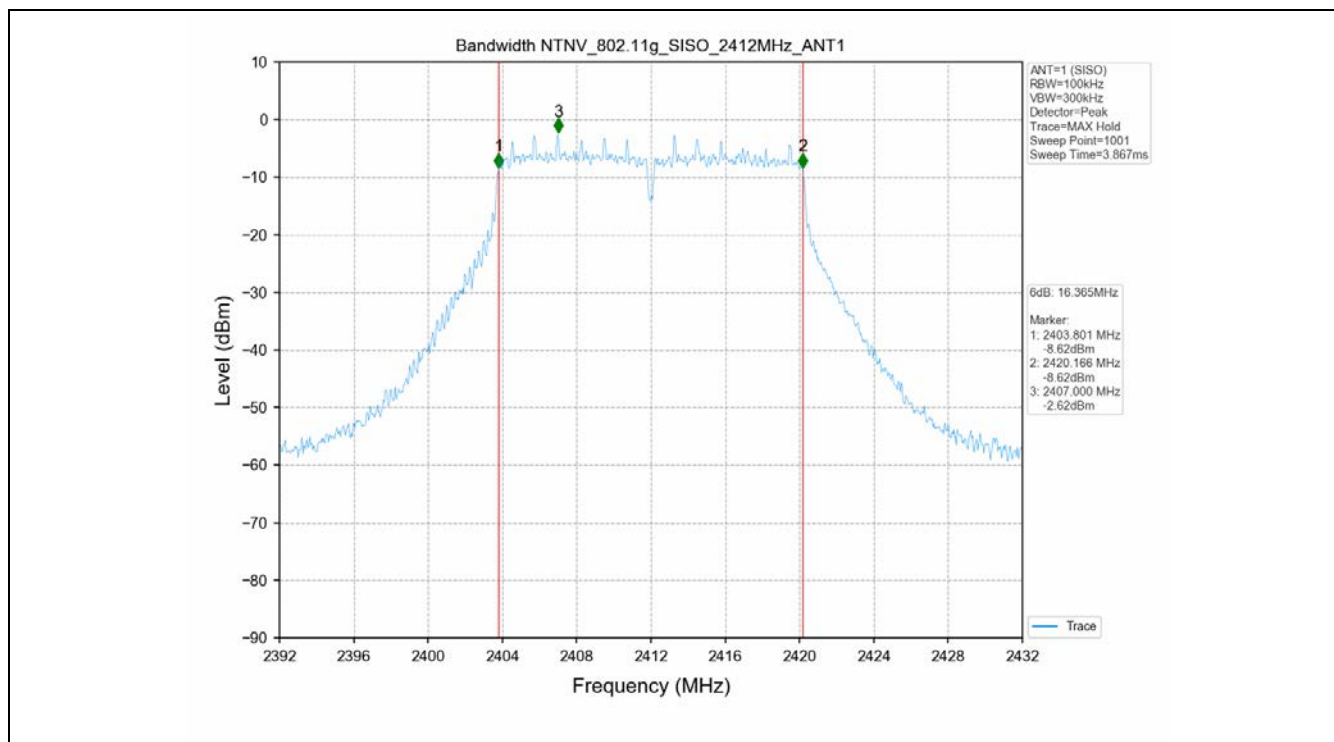
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.938	Only for Report Use
			2	14.926	Only for Report Use
	2437	SISO	1	14.959	Only for Report Use
			2	14.949	Only for Report Use
	2462	SISO	1	14.919	Only for Report Use
			2	14.916	Only for Report Use
802.11g	2412	SISO	1	16.874	Only for Report Use
			2	16.852	Only for Report Use
	2437	SISO	1	16.902	Only for Report Use
			2	16.801	Only for Report Use
	2462	SISO	1	16.815	Only for Report Use
			2	16.926	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.898	Only for Report Use
			2	17.892	Only for Report Use
	2437	MIMO	1	17.910	Only for Report Use
			2	17.886	Only for Report Use
	2462	MIMO	1	17.890	Only for Report Use
			2	17.900	Only for Report Use
802.11n(HT40)	2422	MIMO	1	36.095	Only for Report Use
			2	36.037	Only for Report Use
	2437	MIMO	1	36.108	Only for Report Use
			2	36.077	Only for Report Use
	2452	MIMO	1	36.071	Only for Report Use
			2	36.058	Only for Report Use

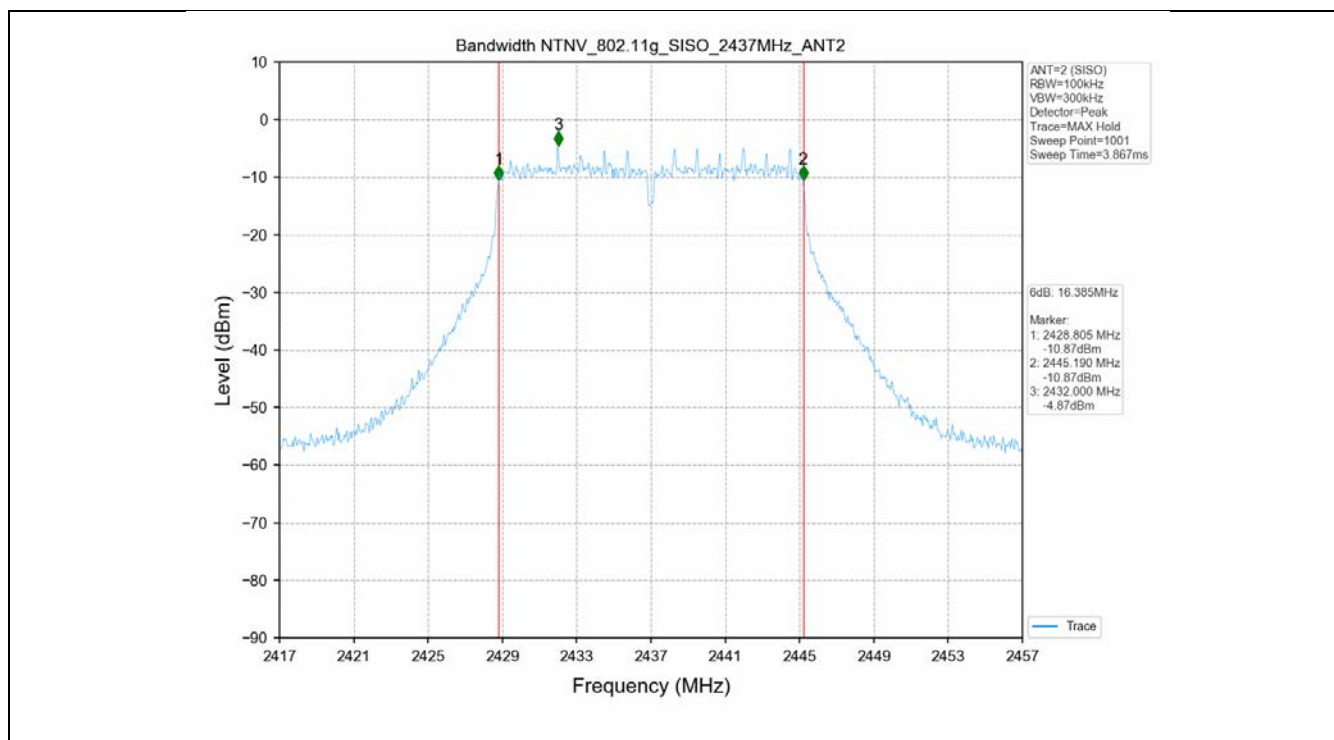
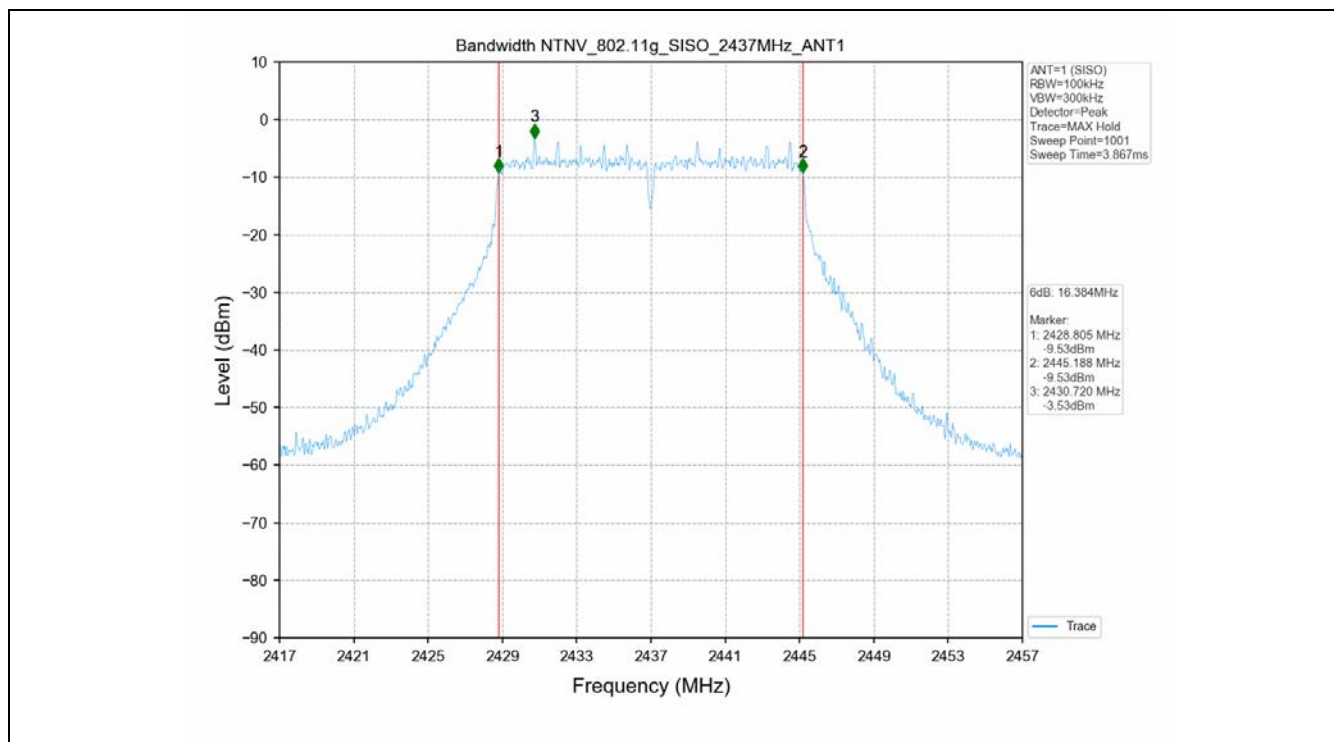
2.2 Test Graph - 6dB Bandwidth

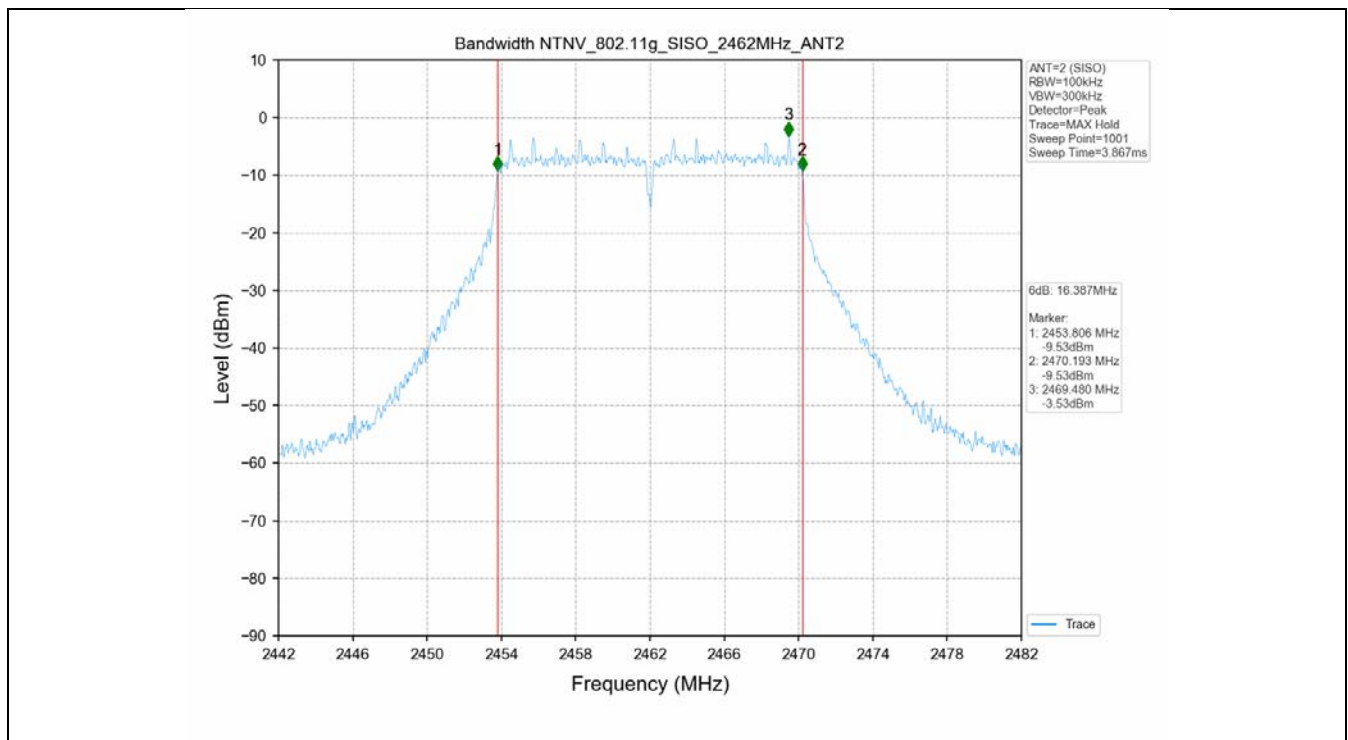
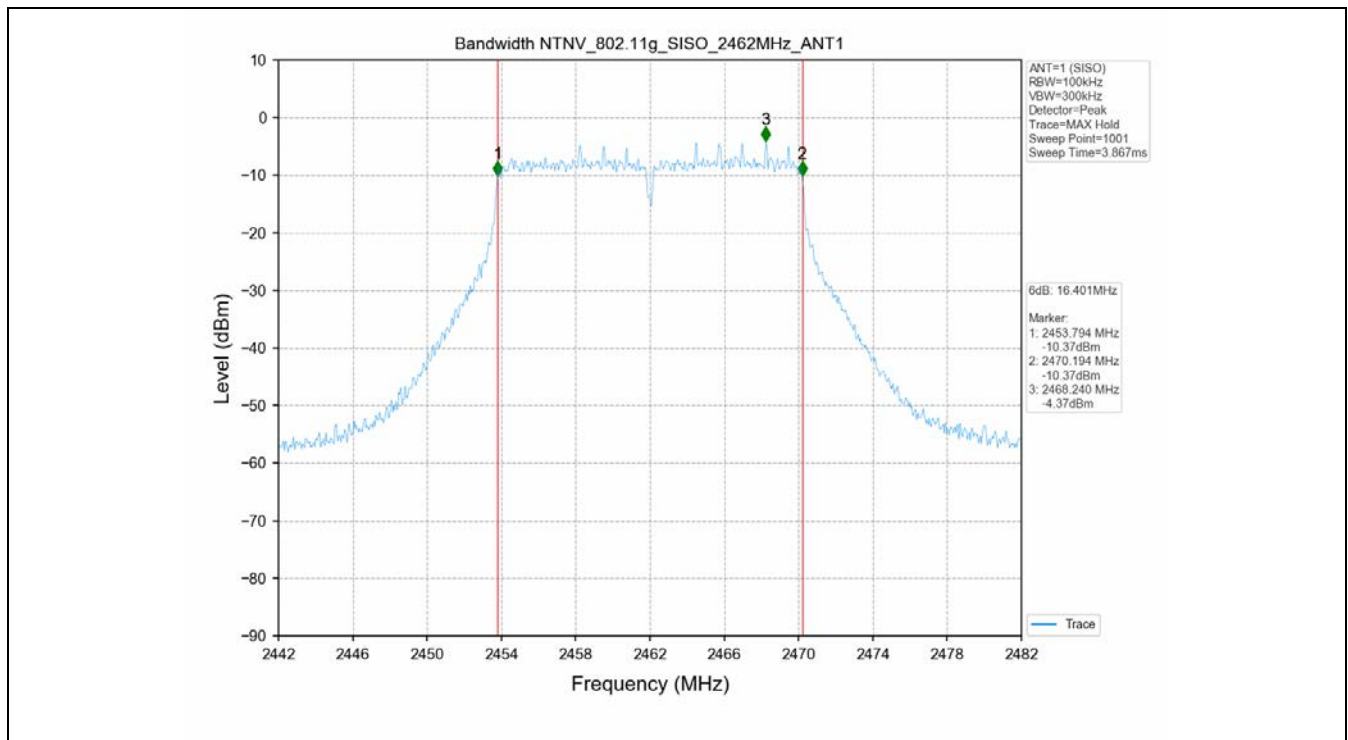


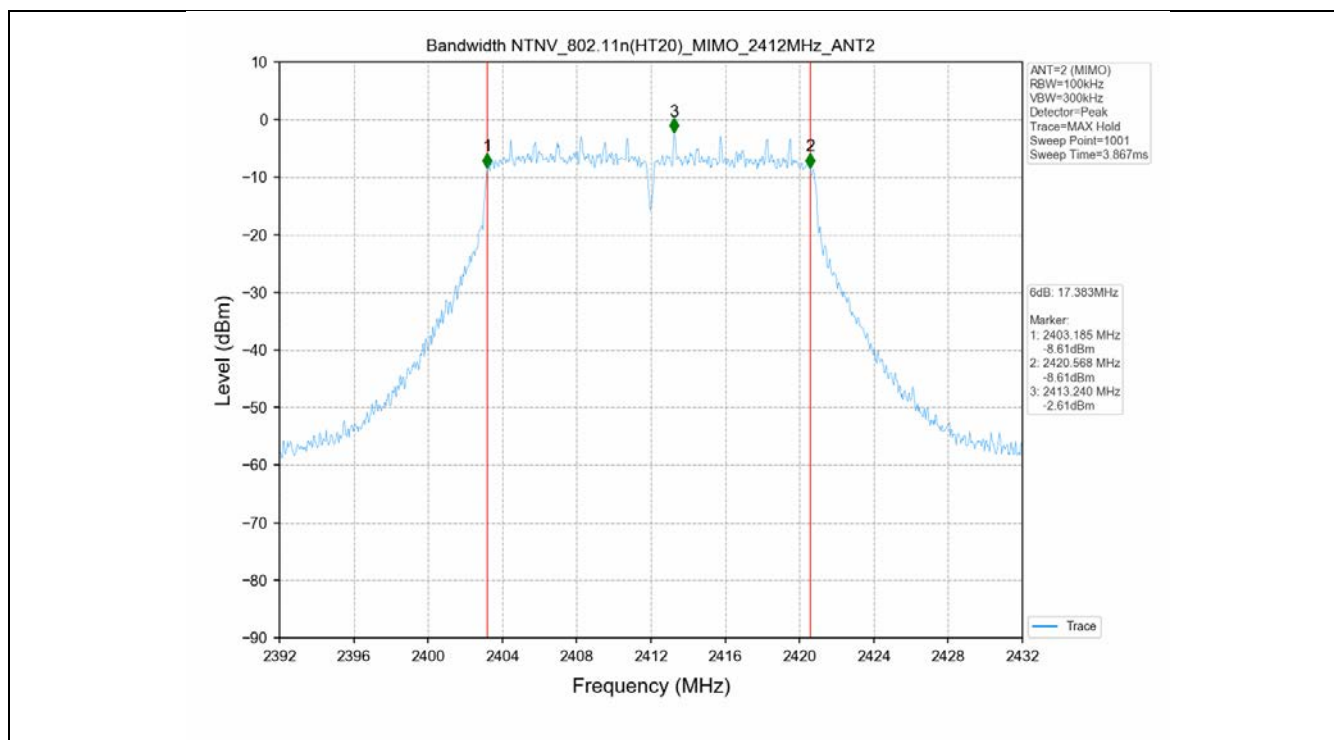
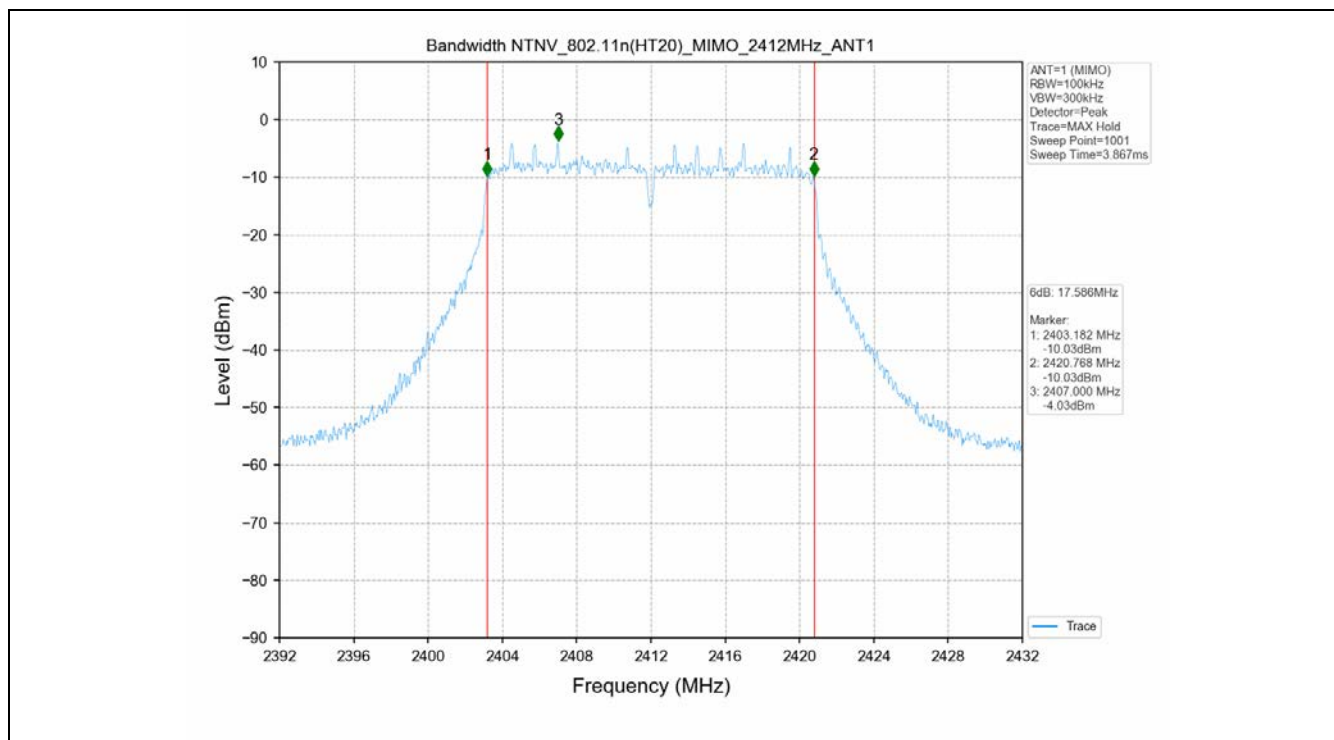


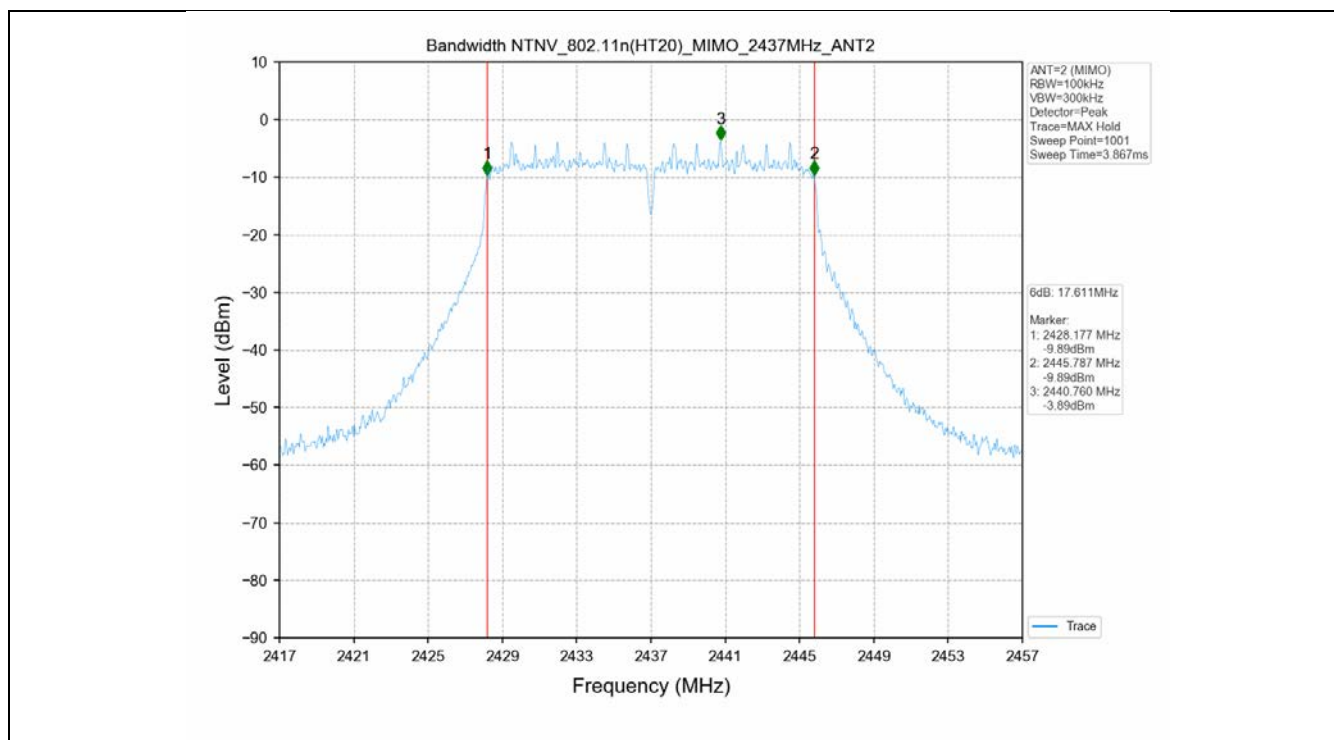
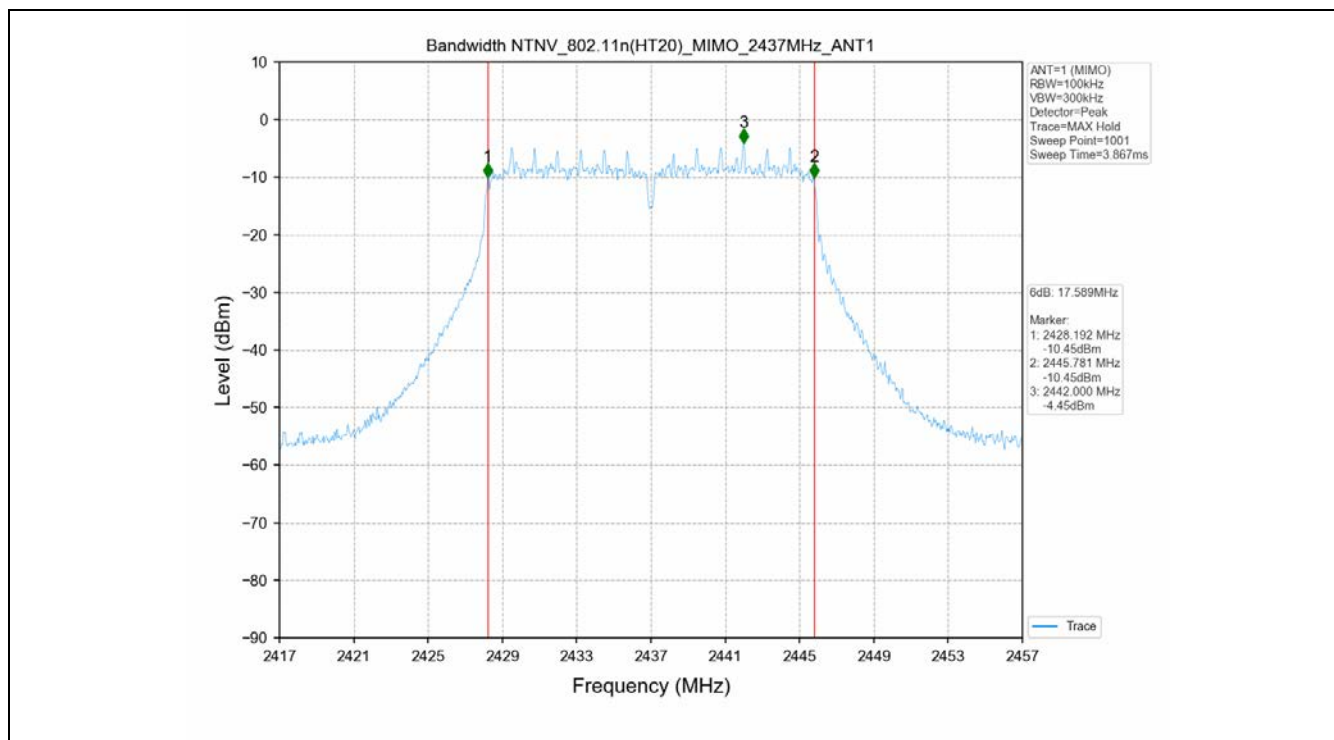


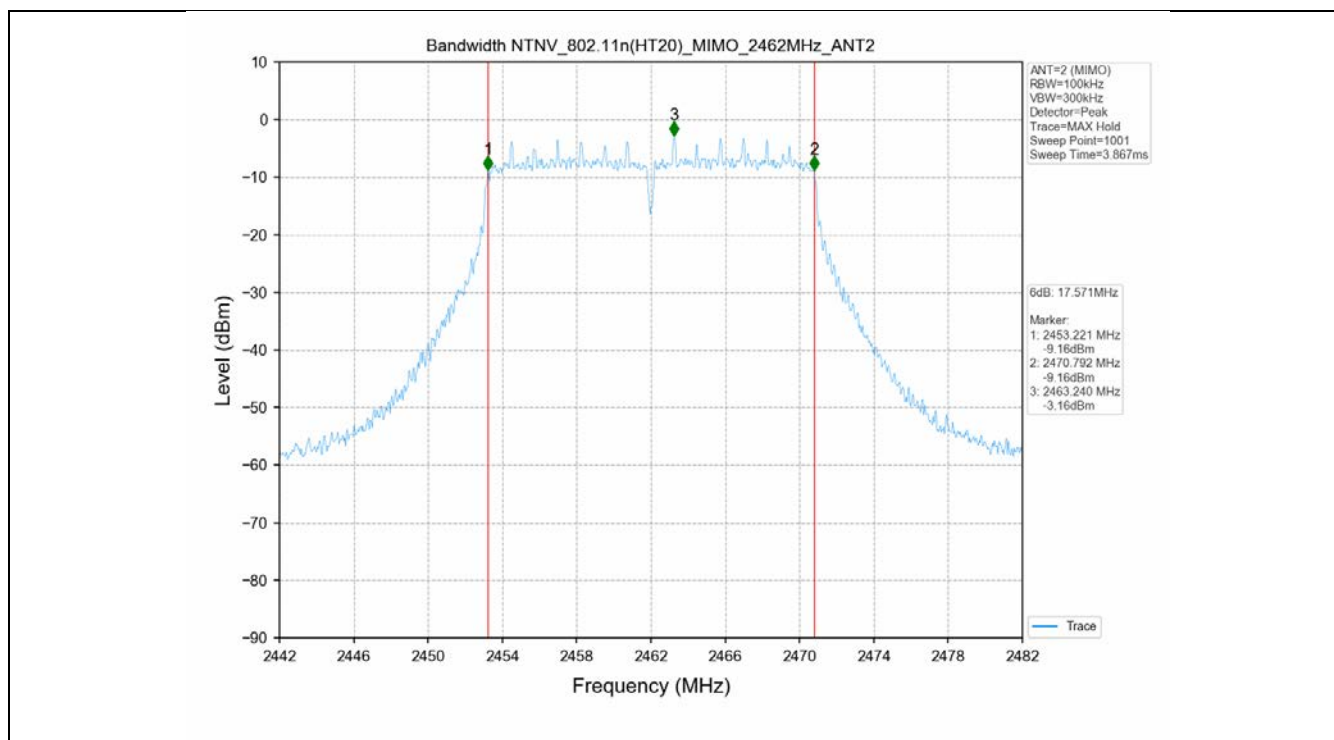
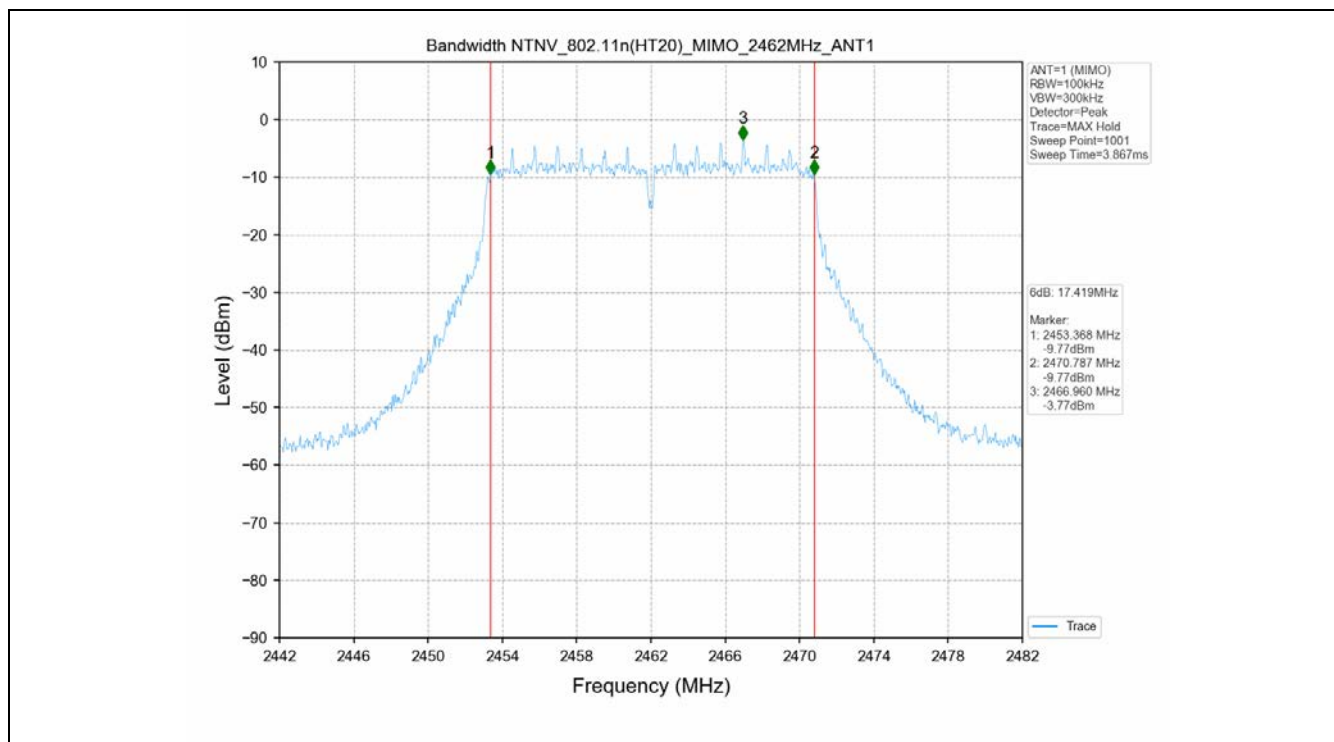


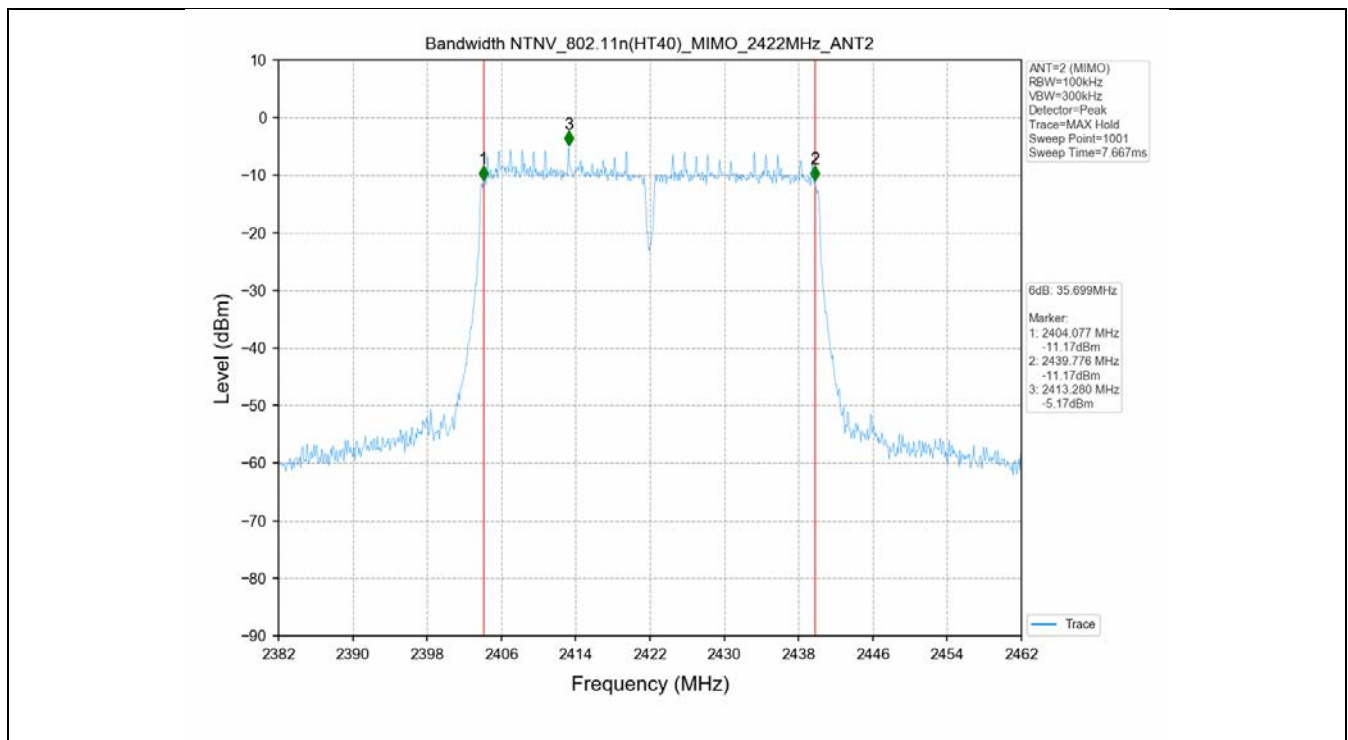
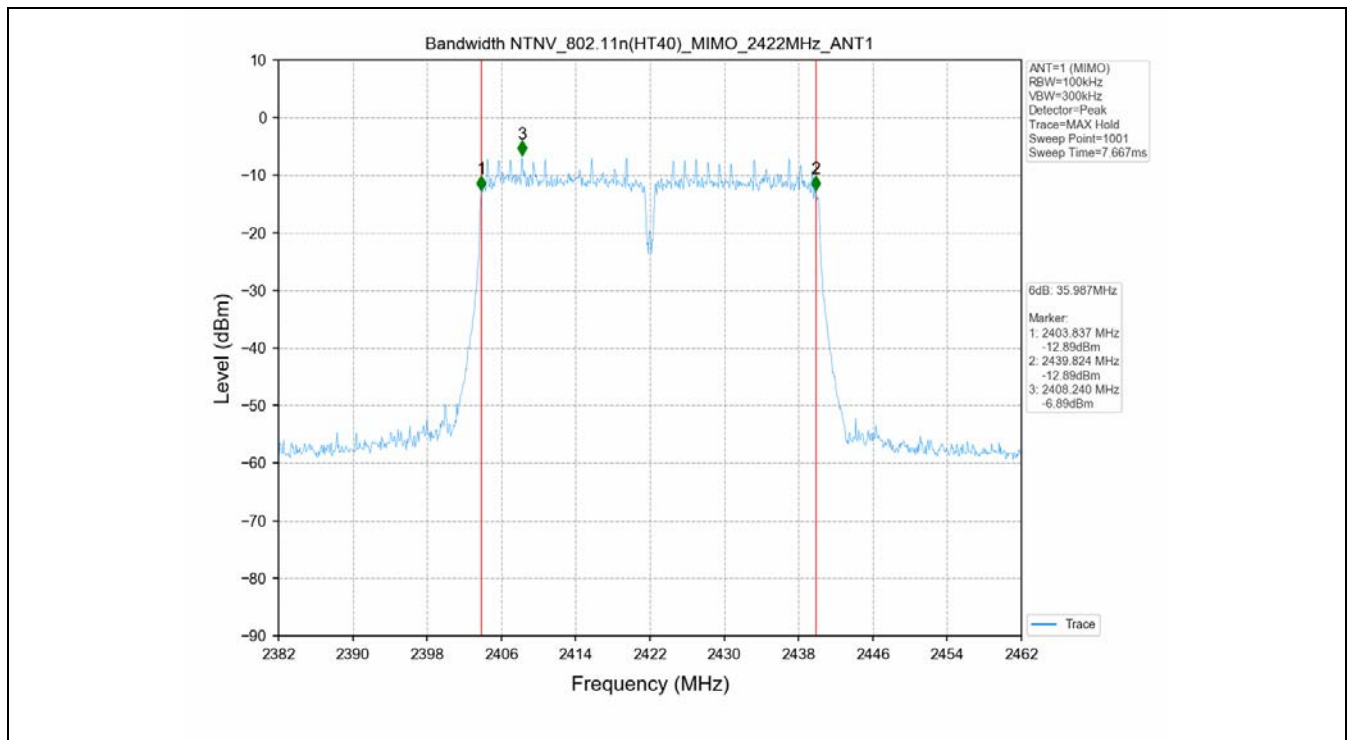


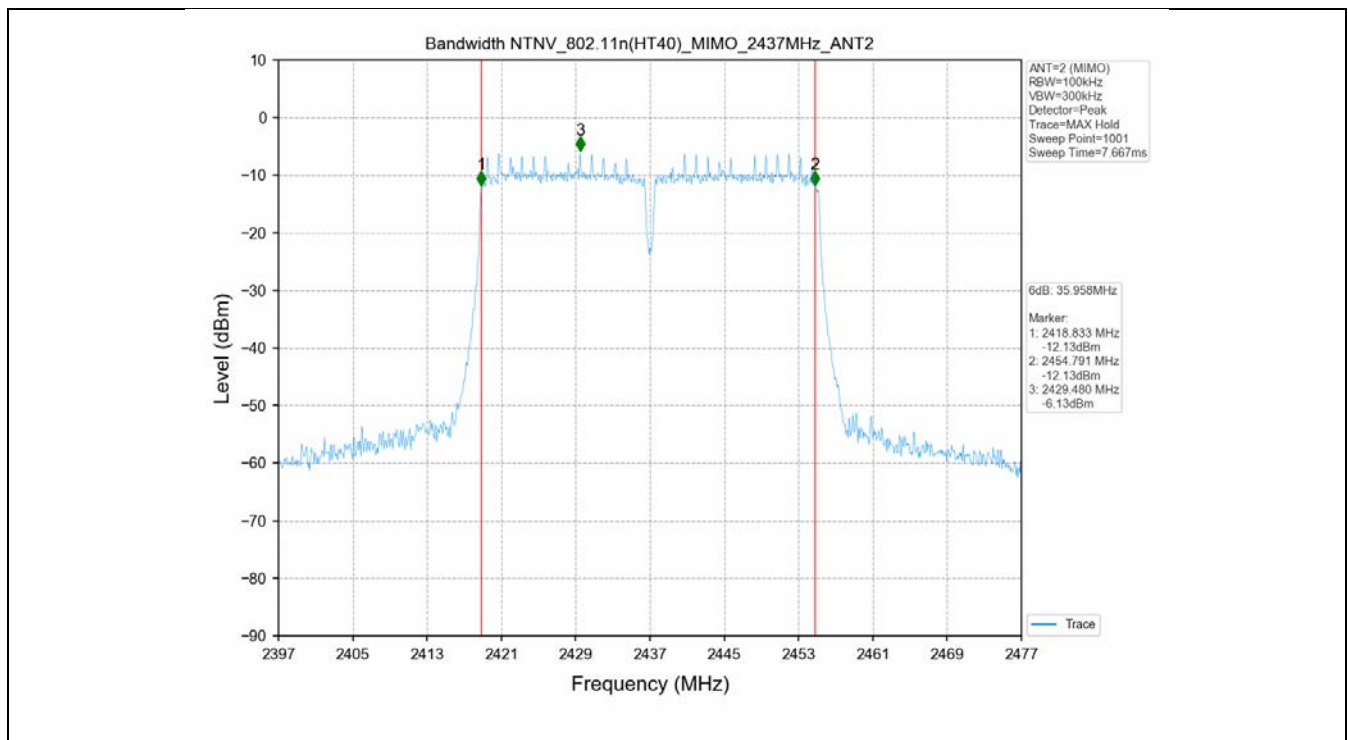
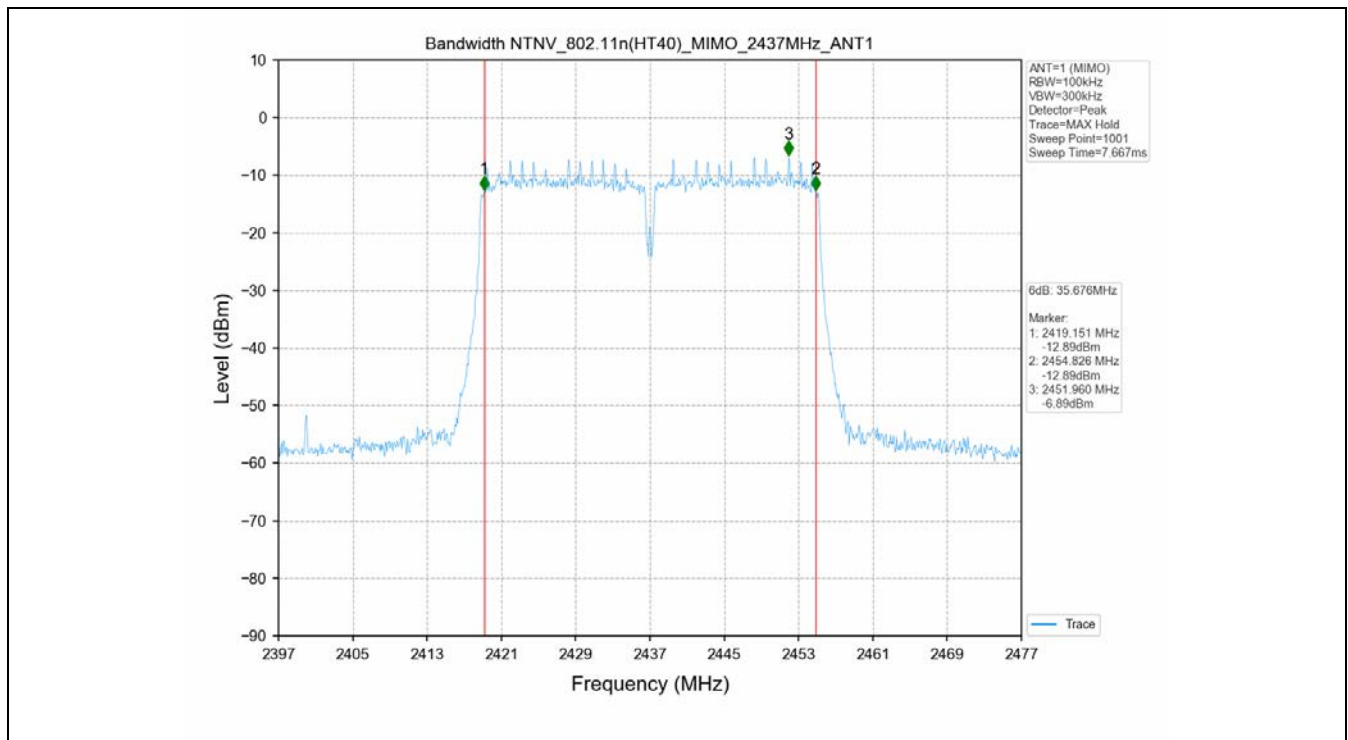


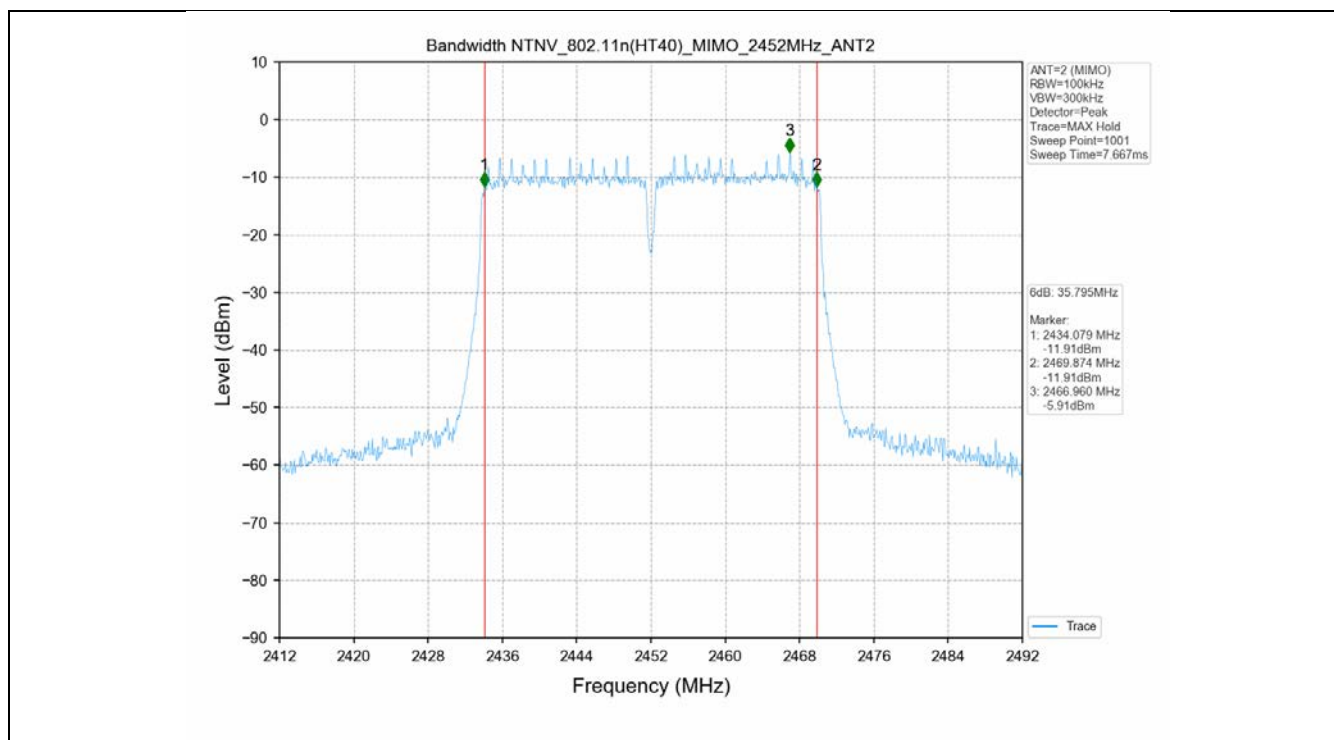
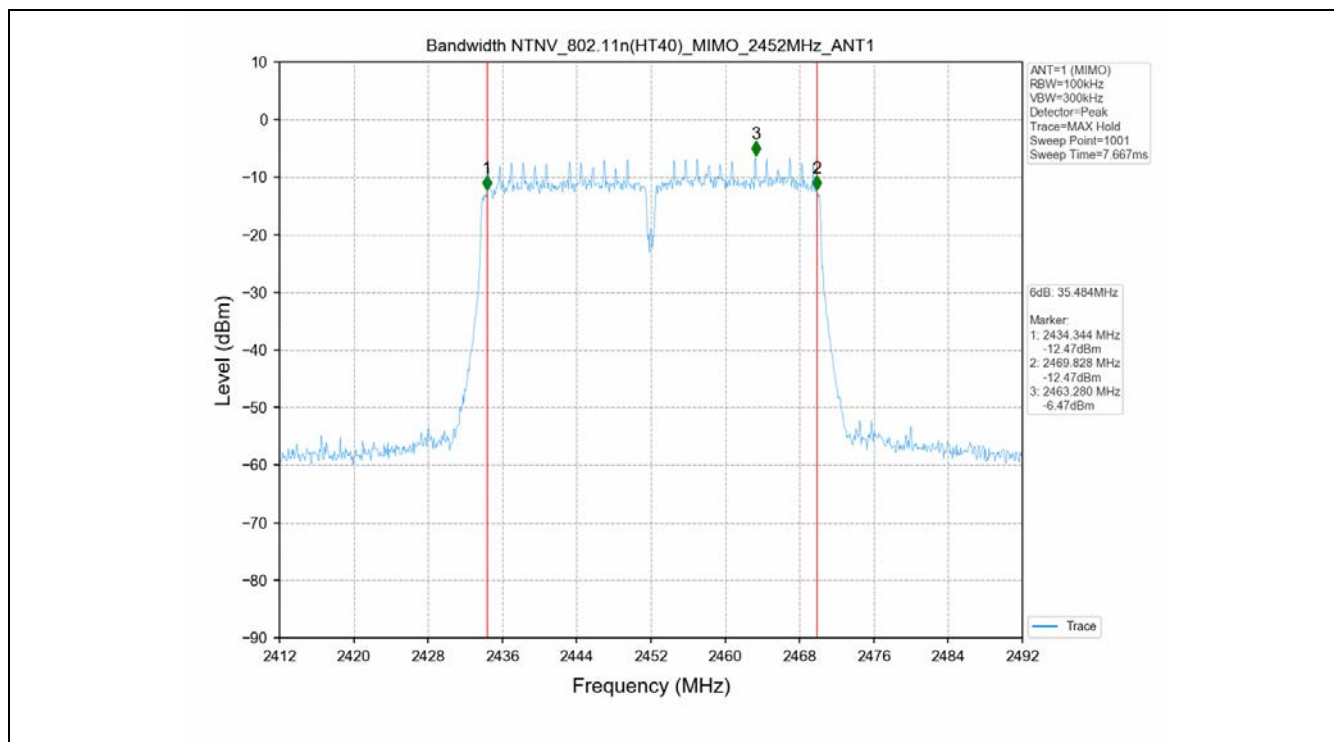






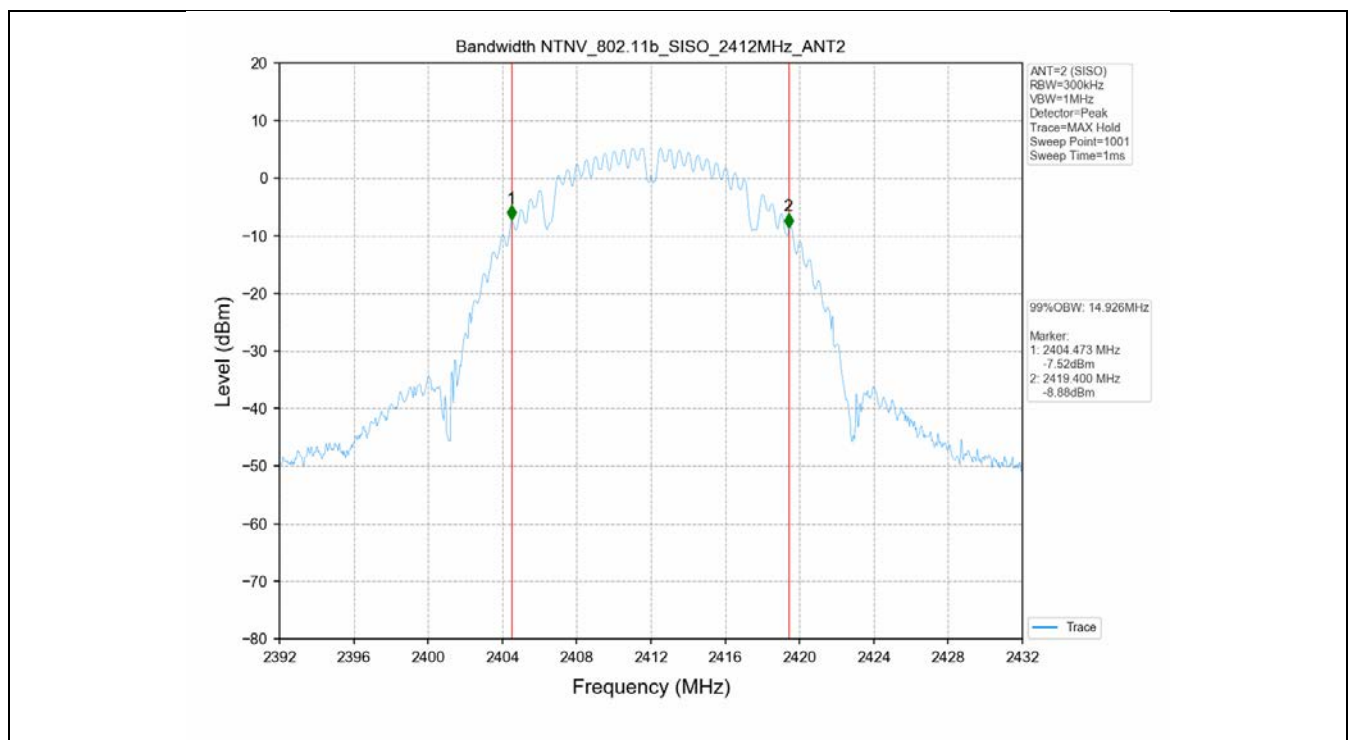
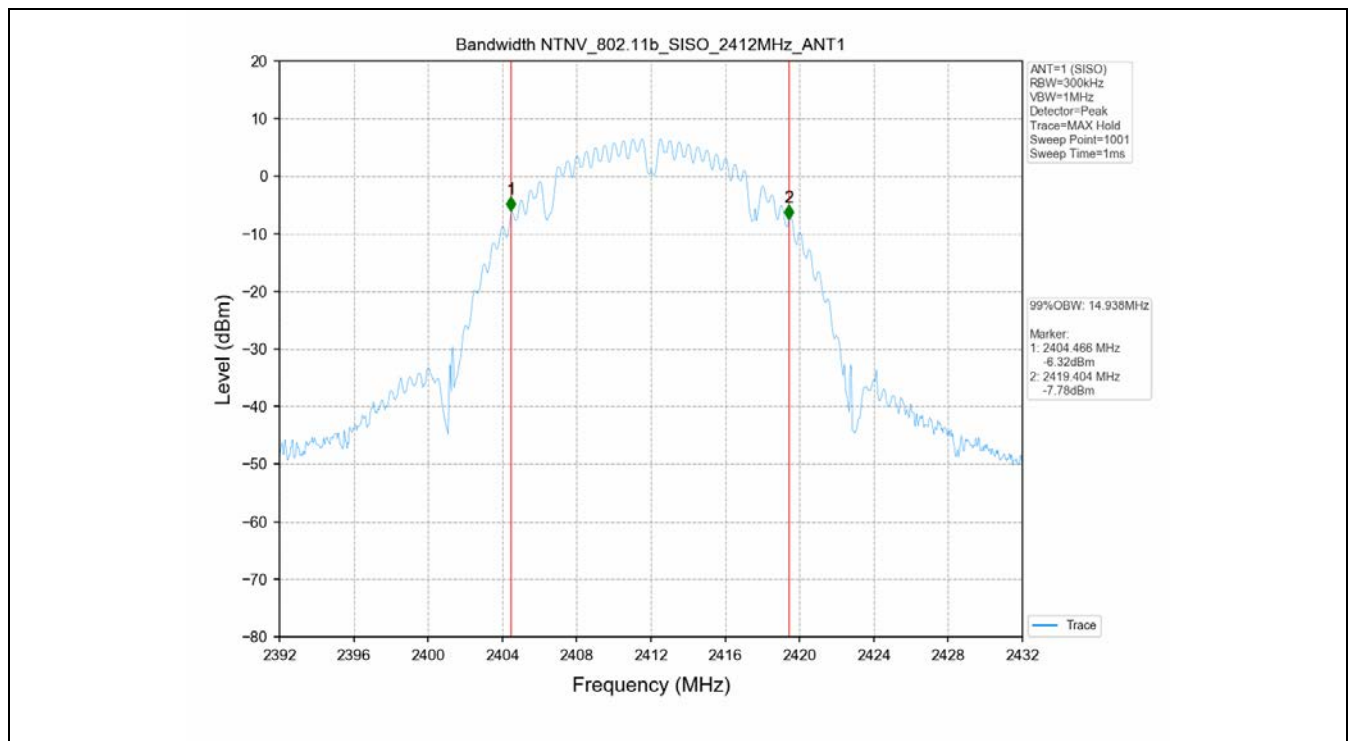


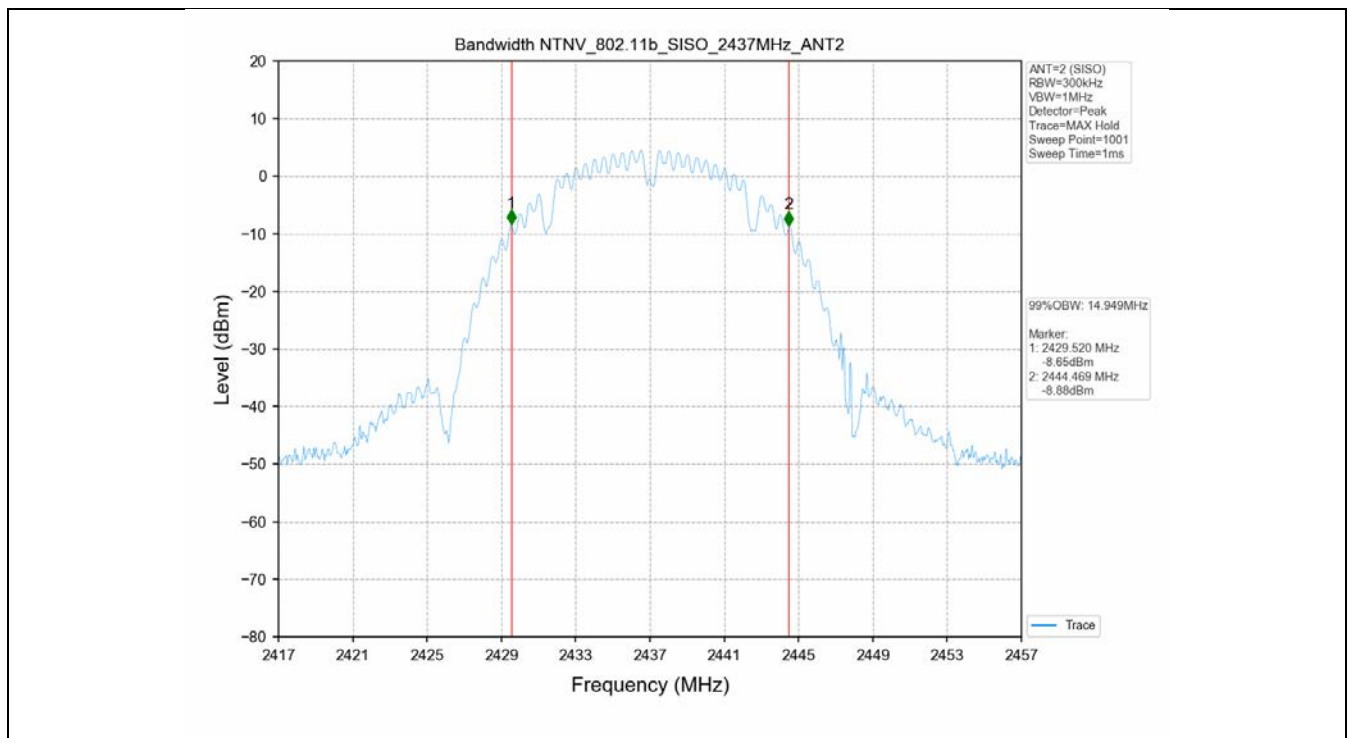
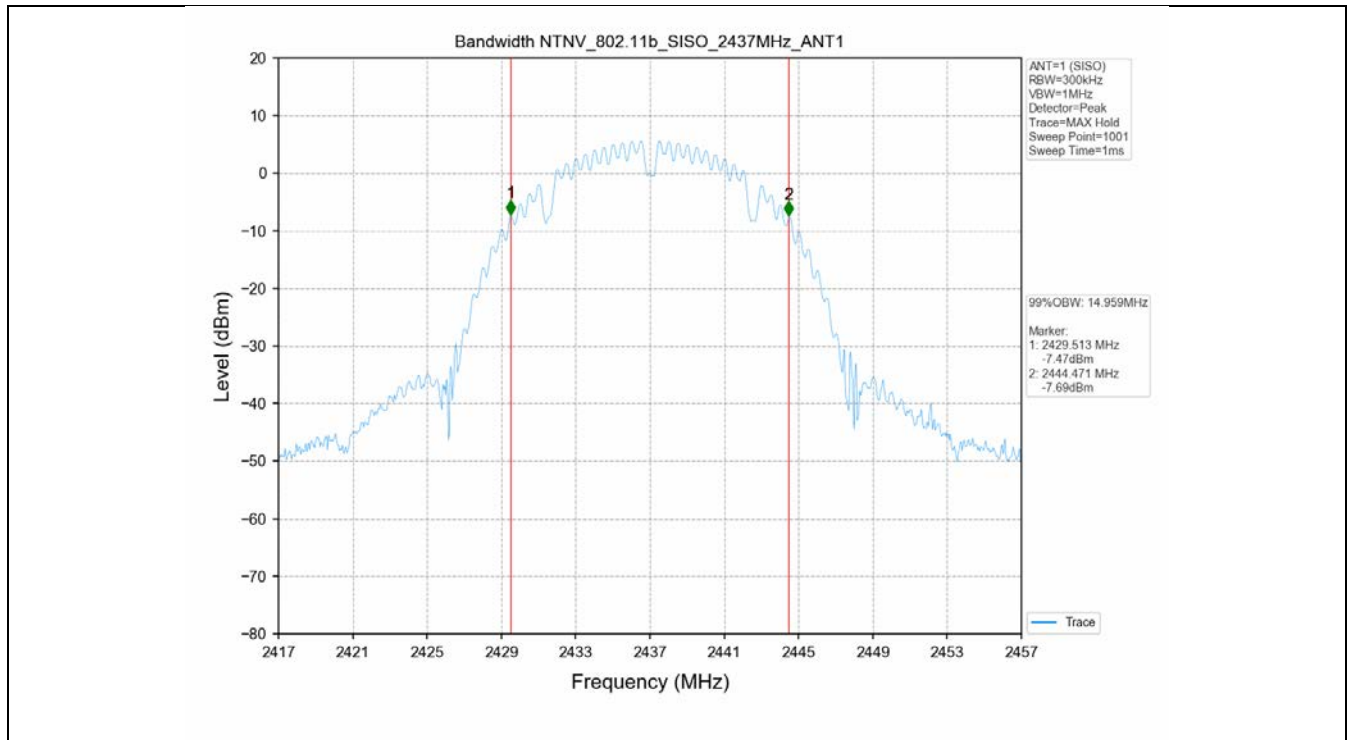


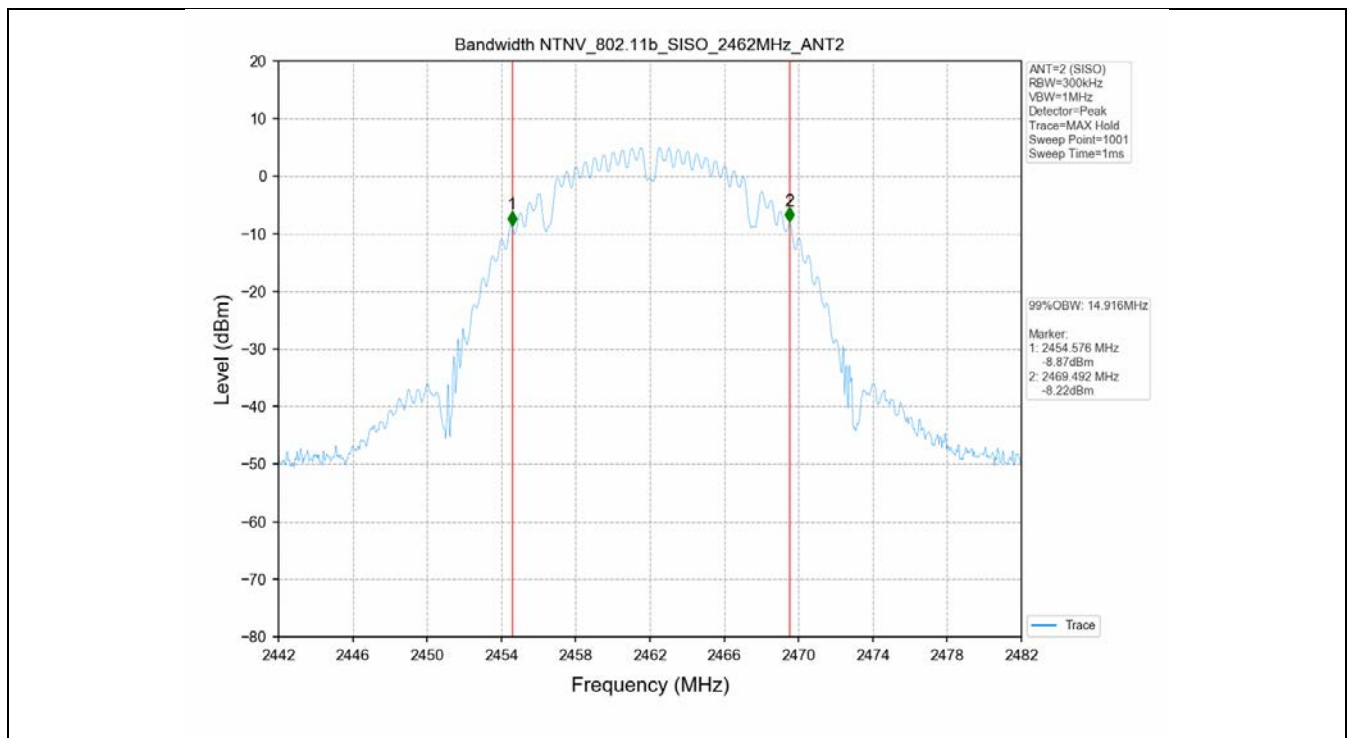
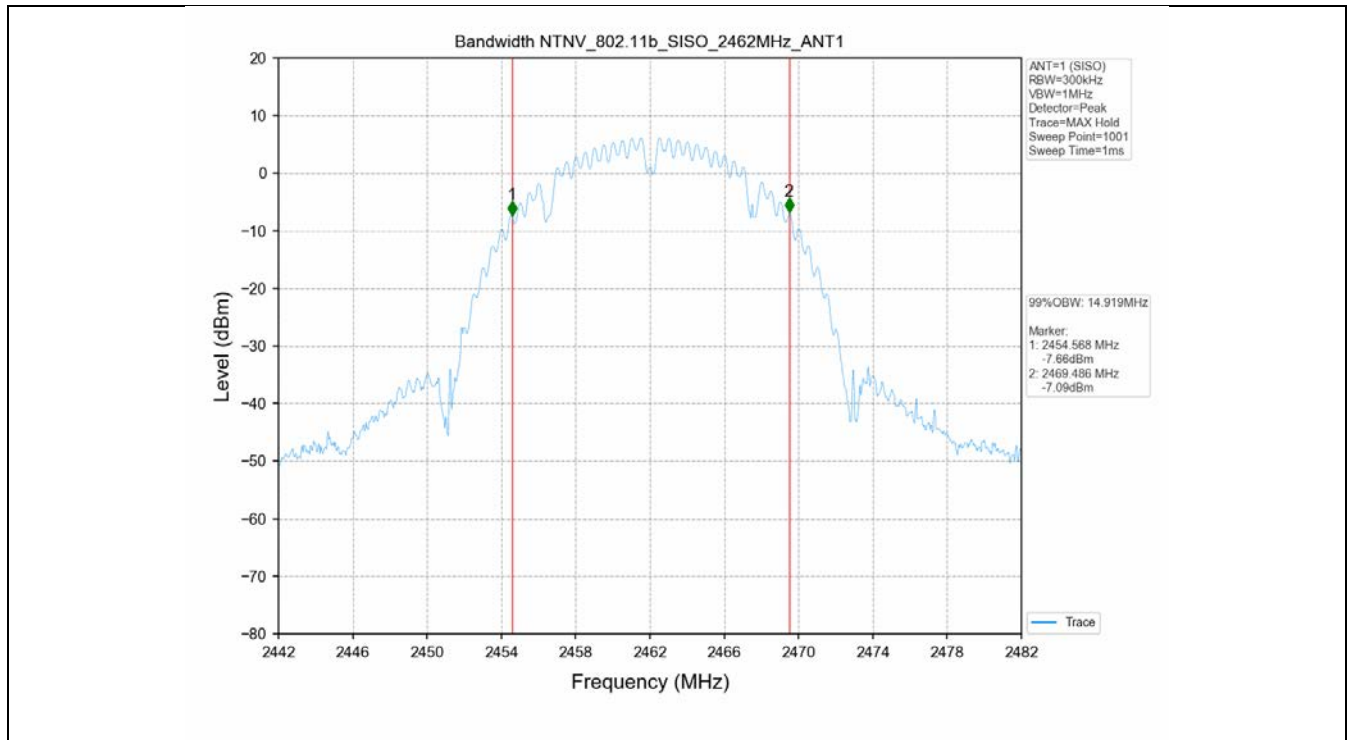


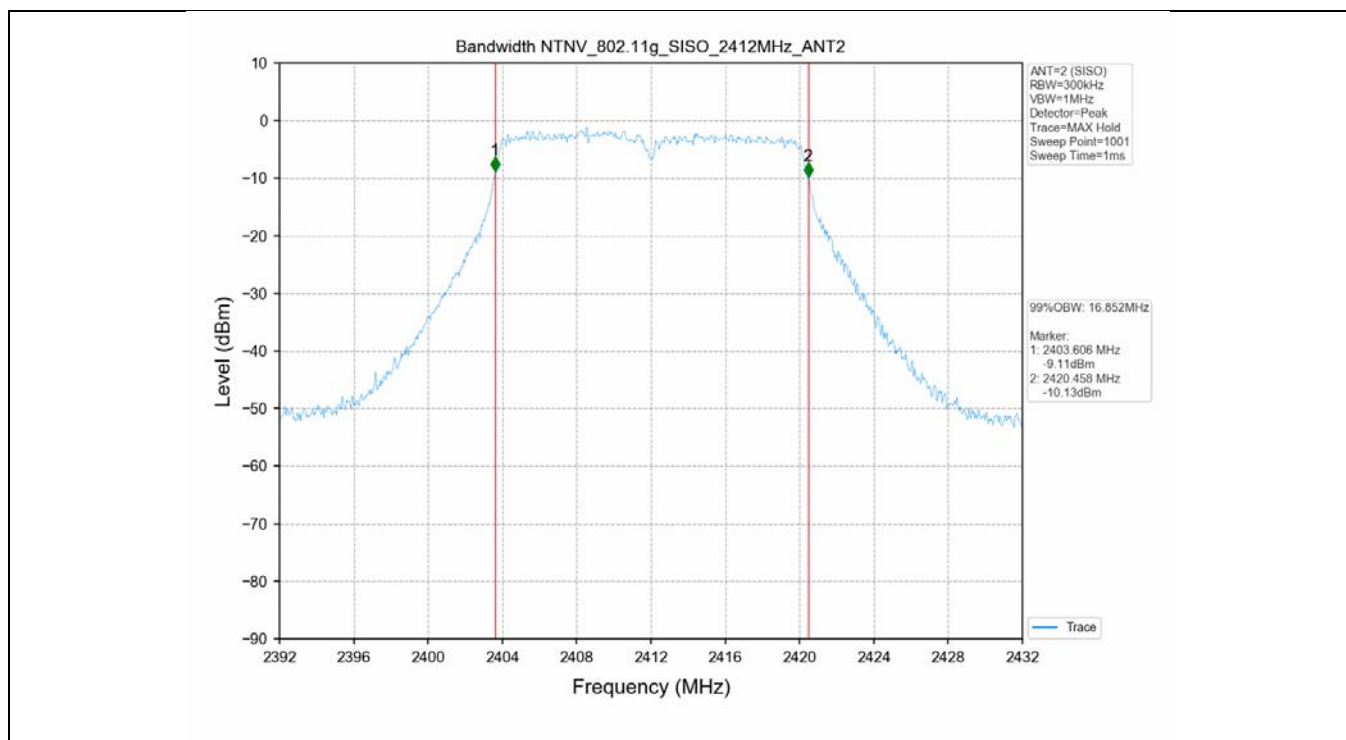
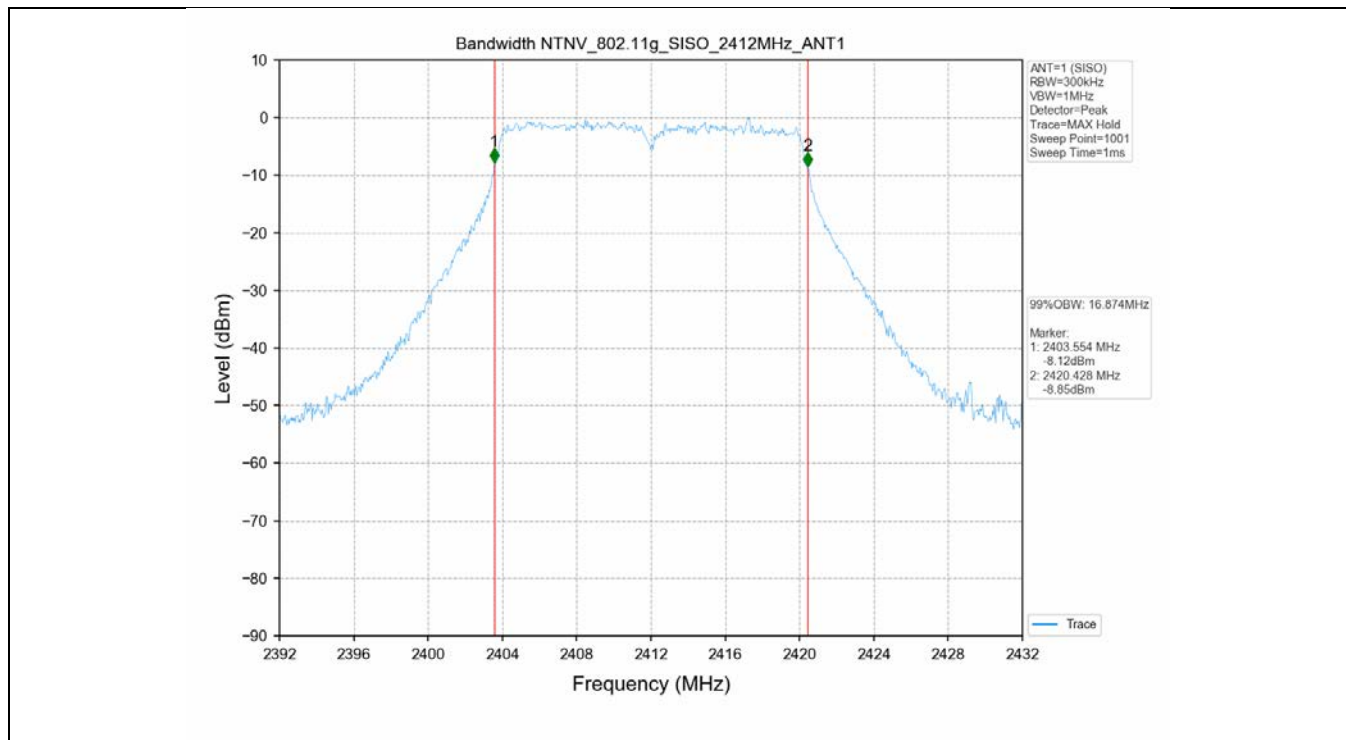


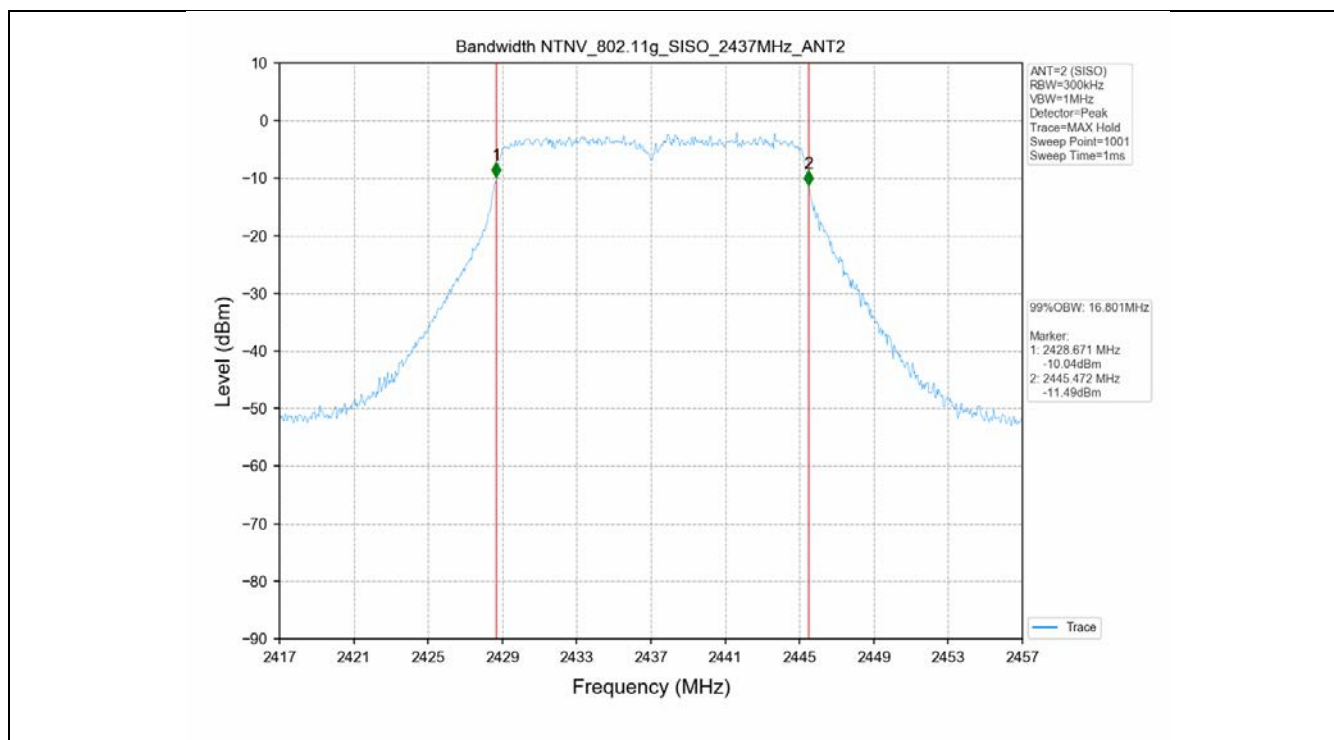
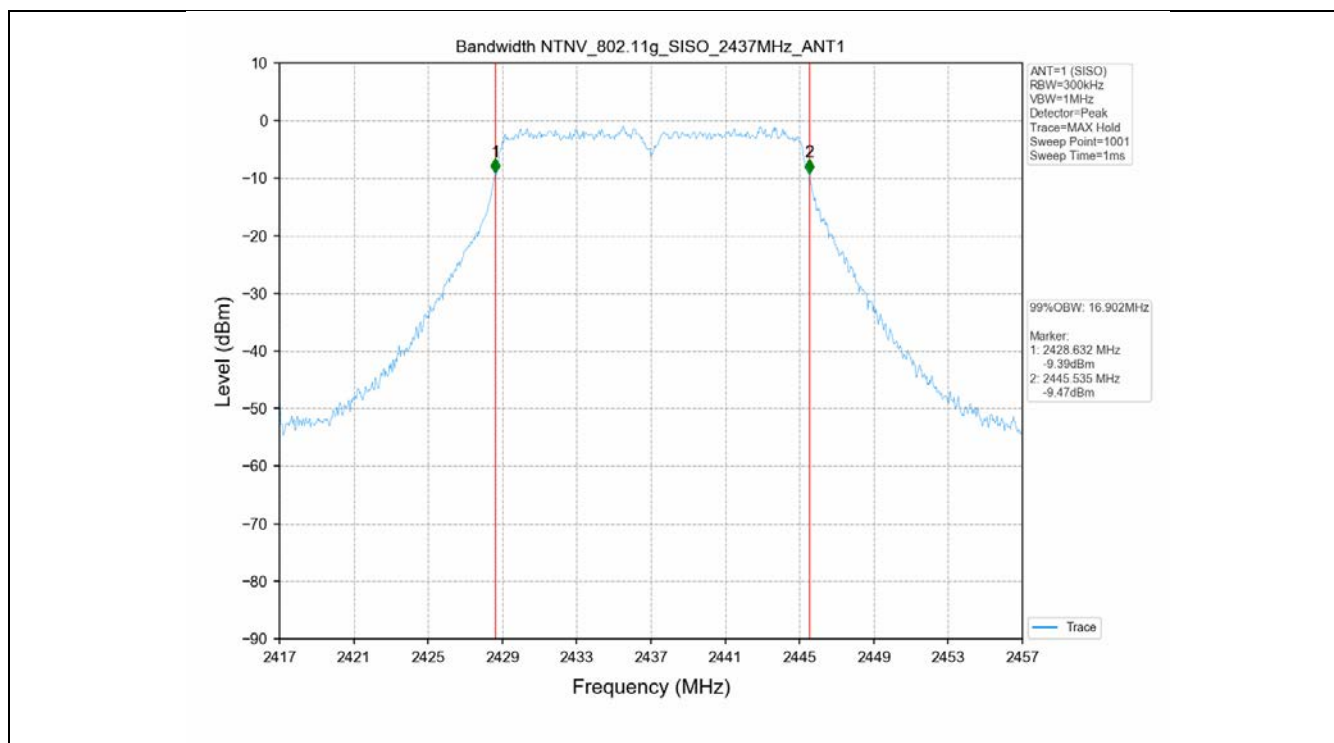
2.3 Test Graph - 99% Occupied Bandwidth

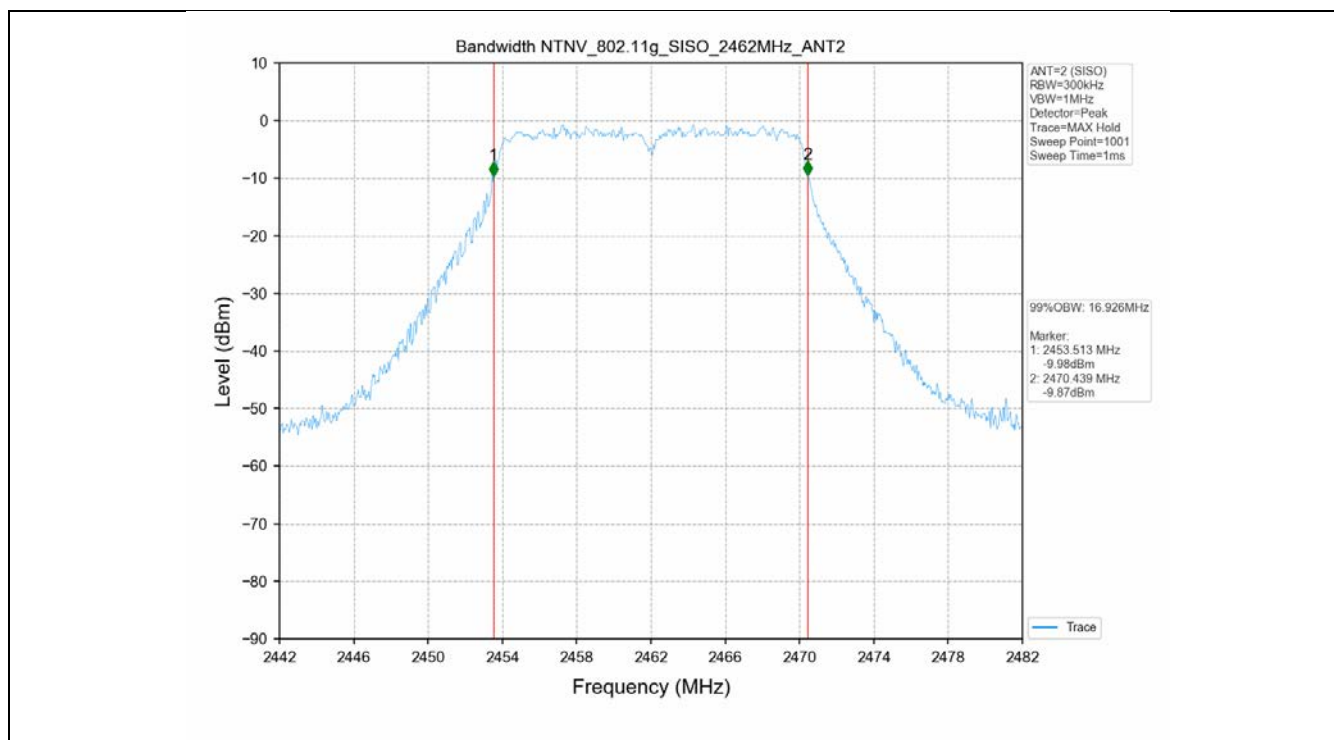
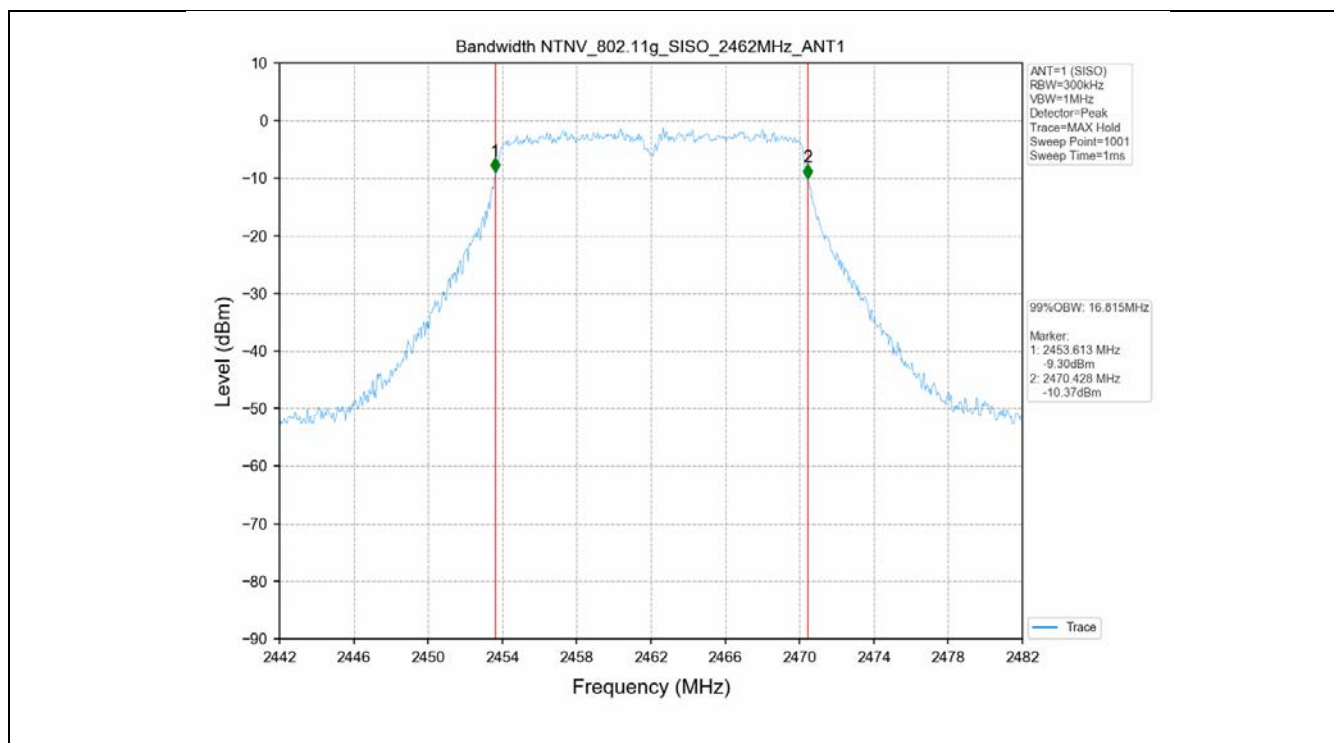


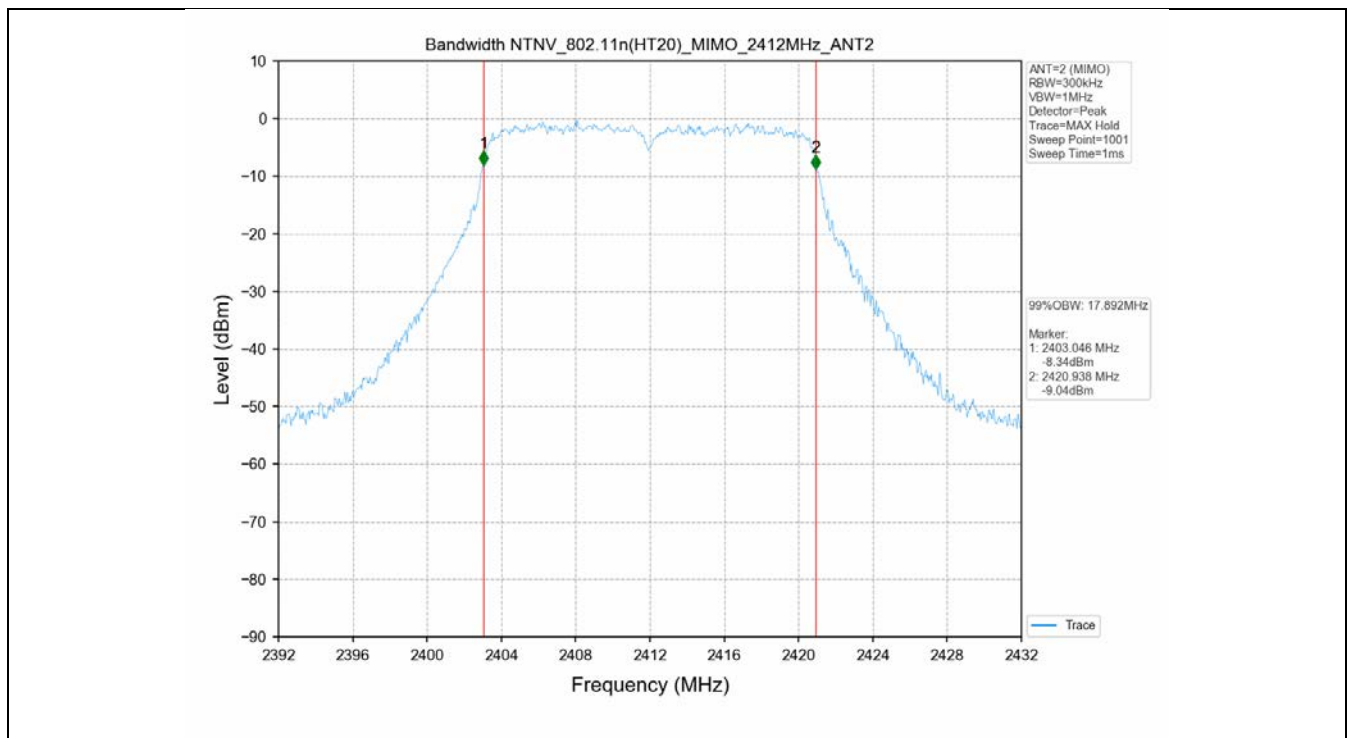
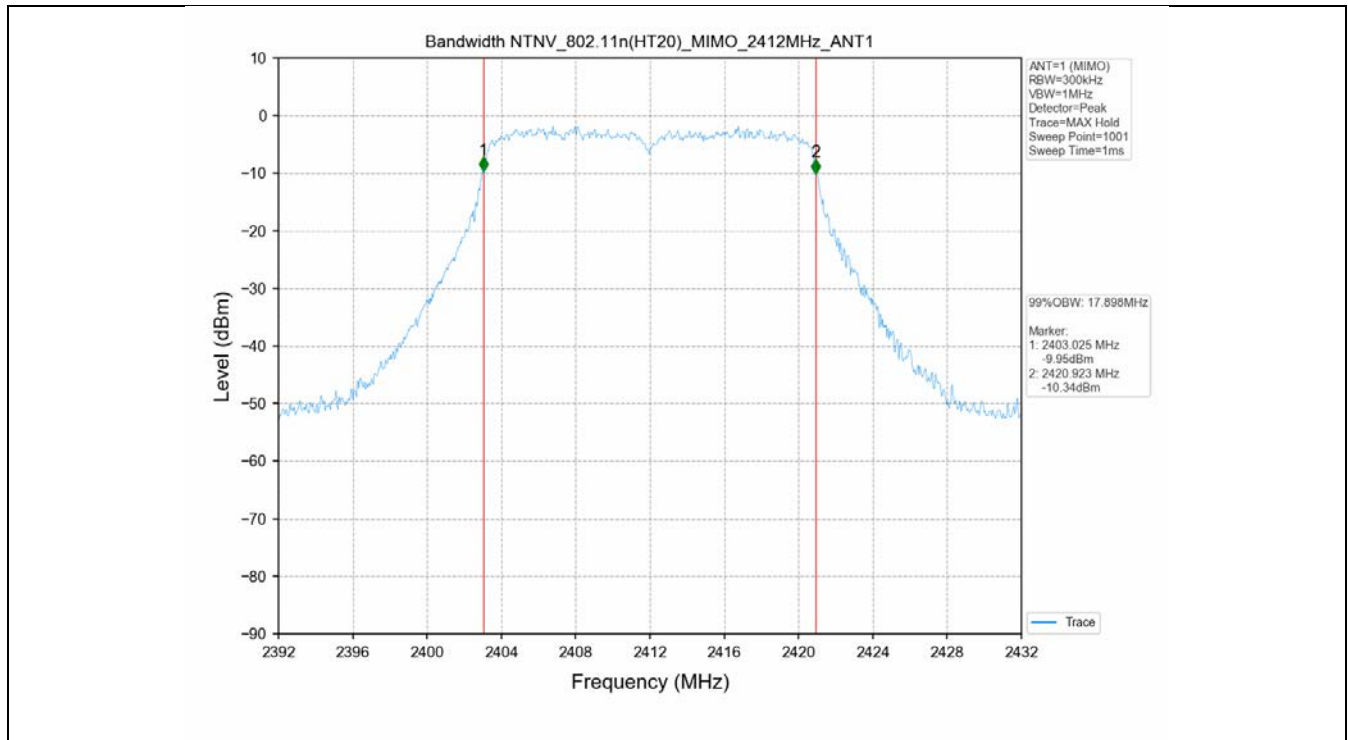


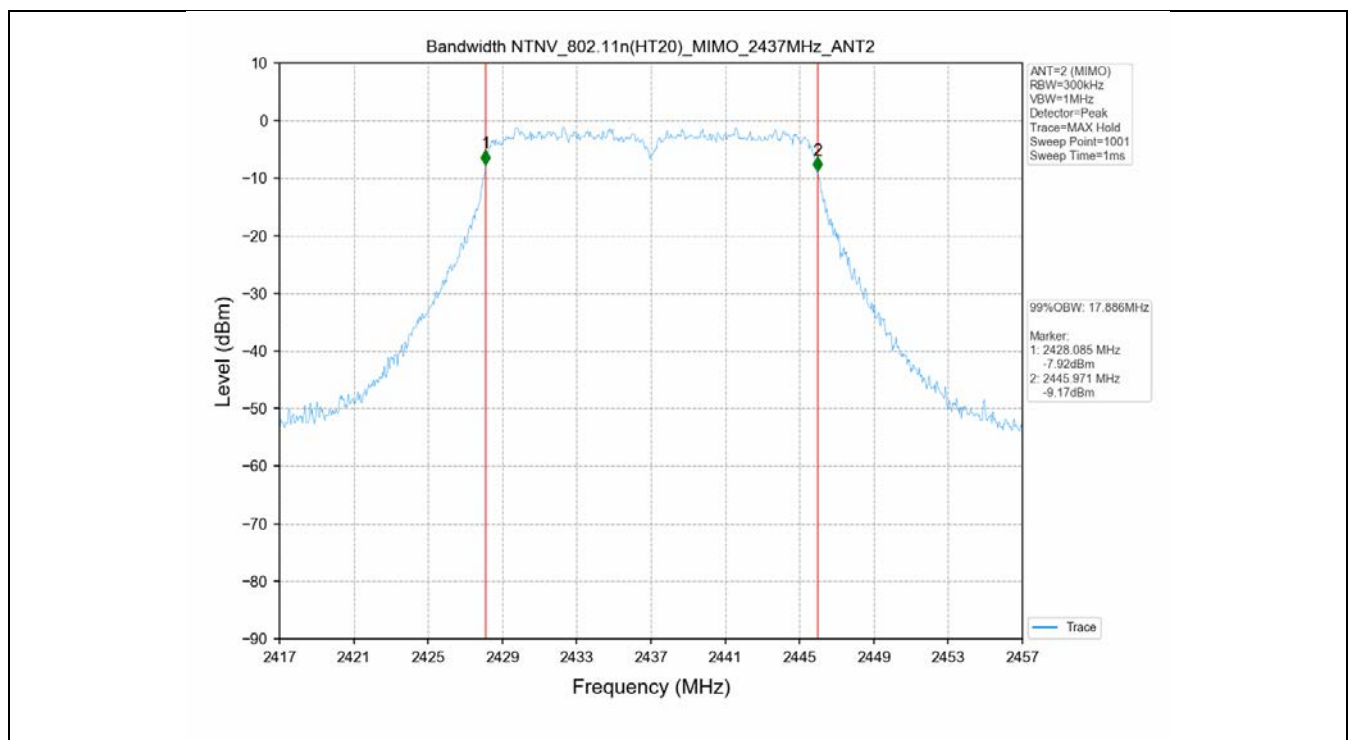
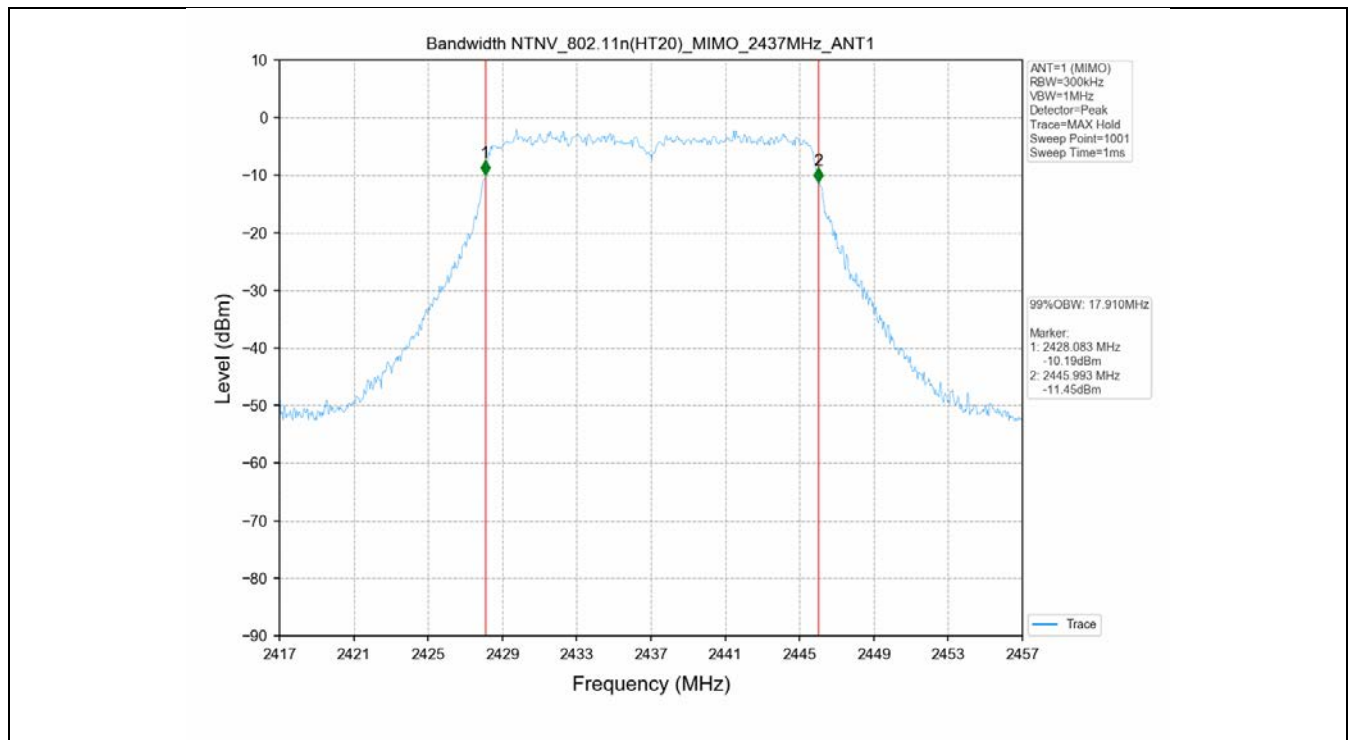


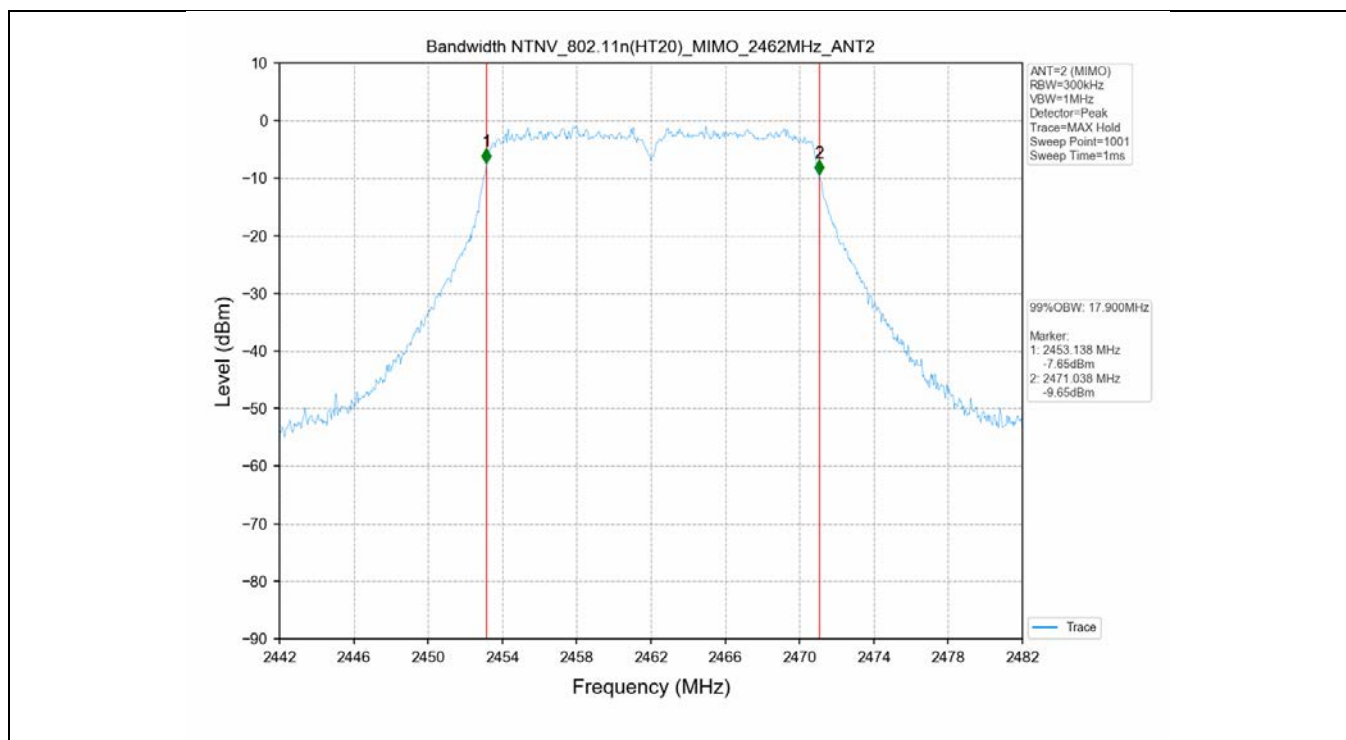
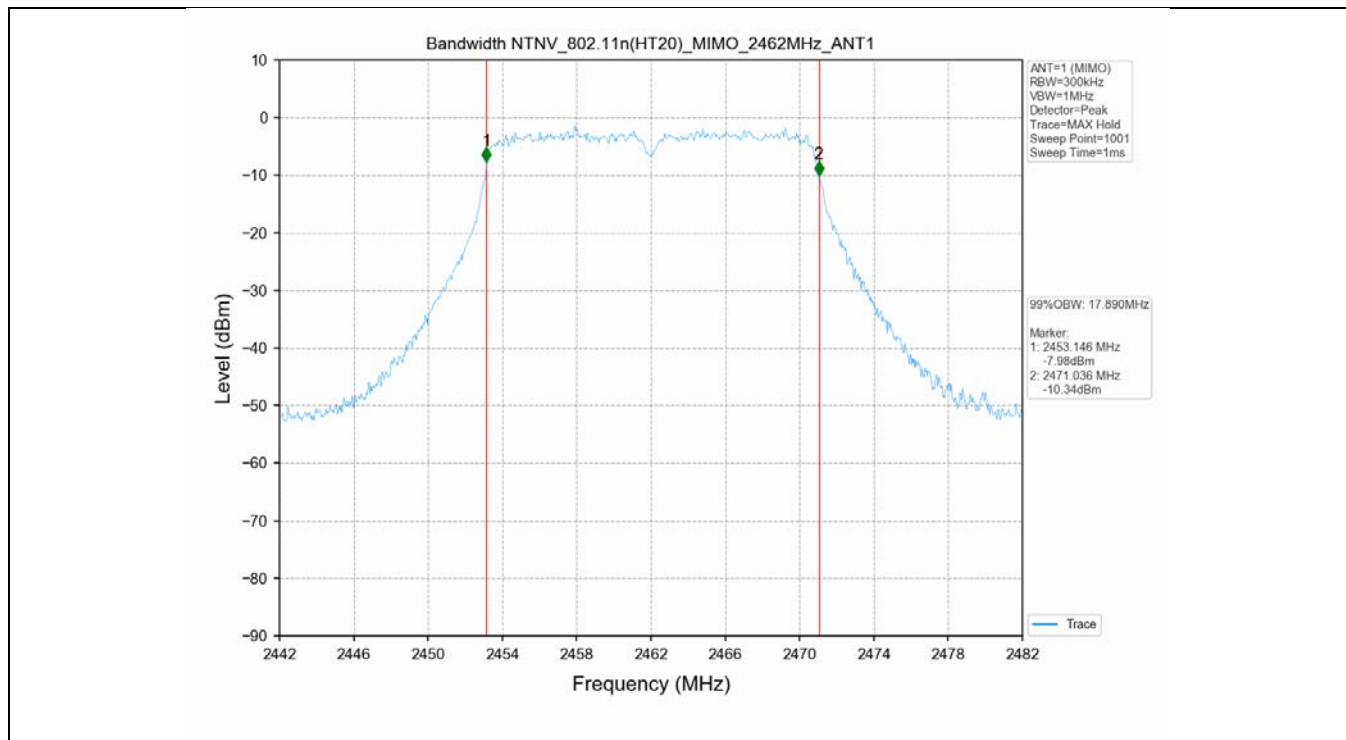


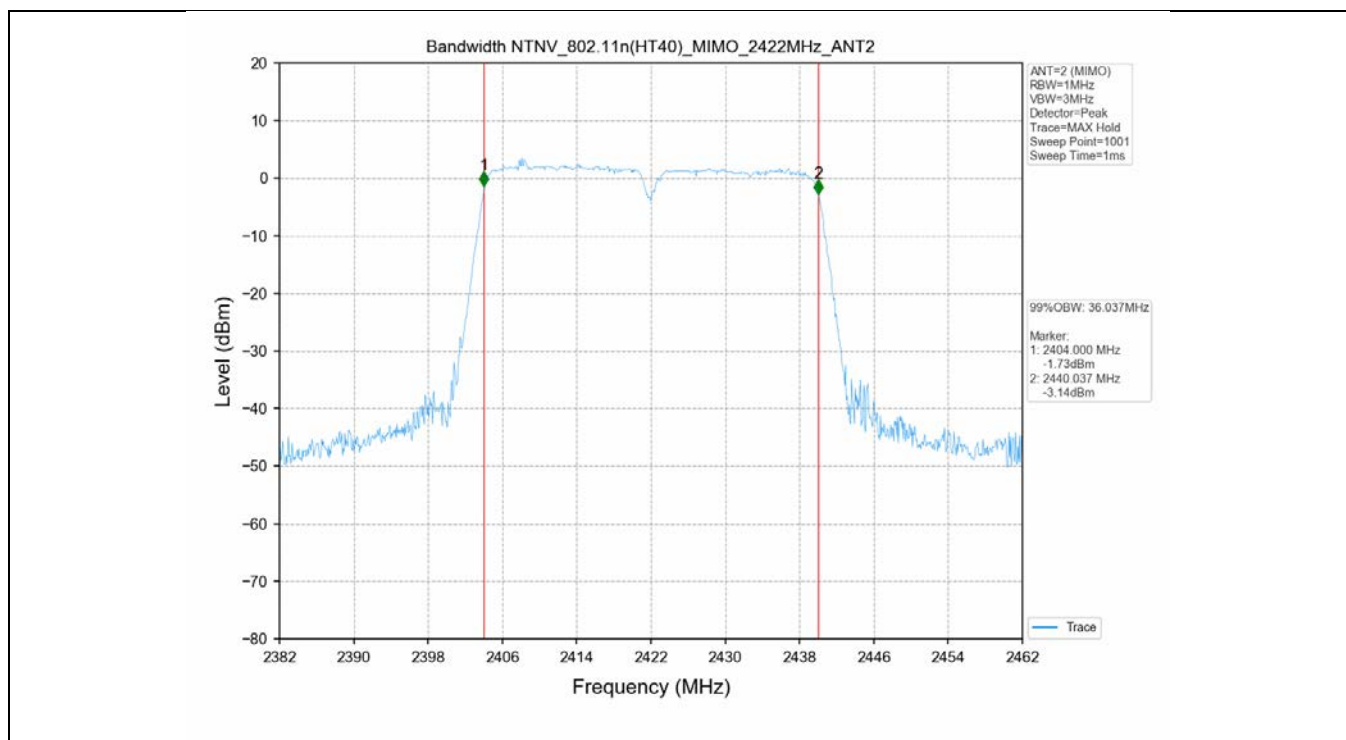
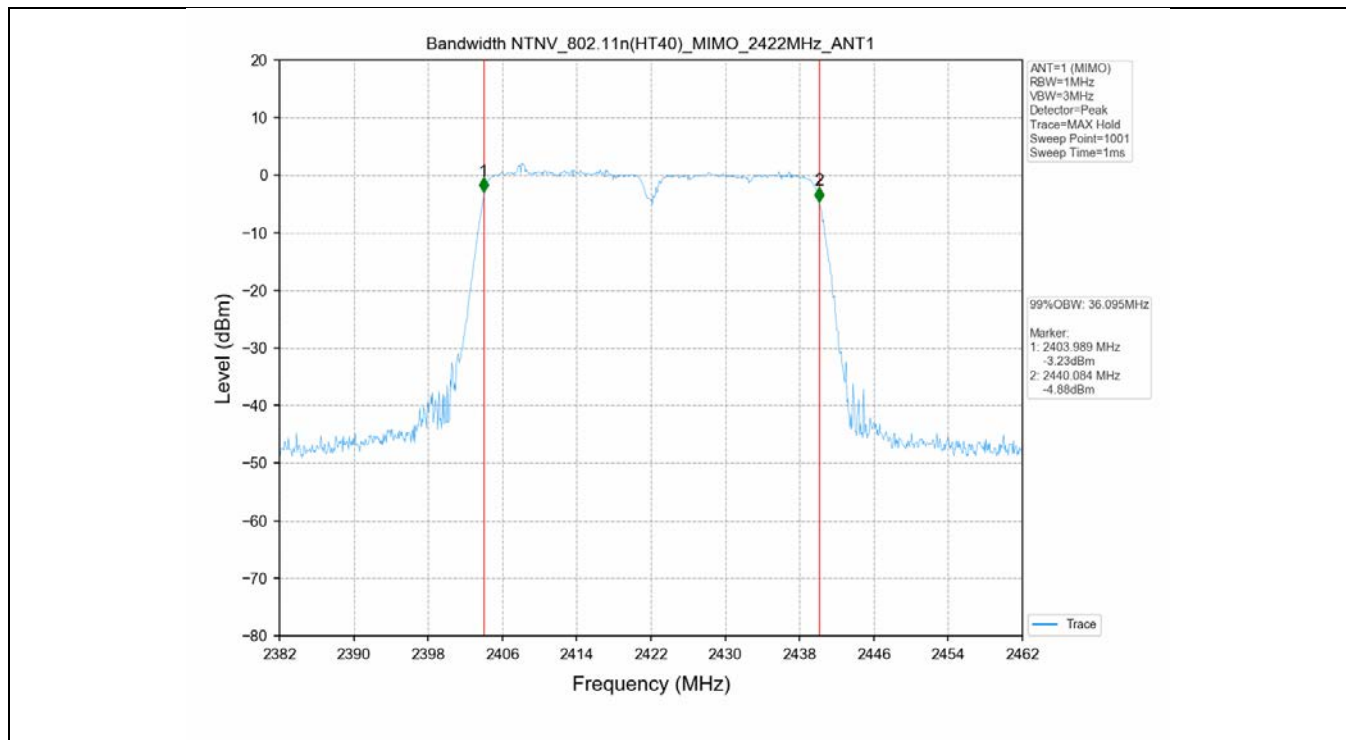


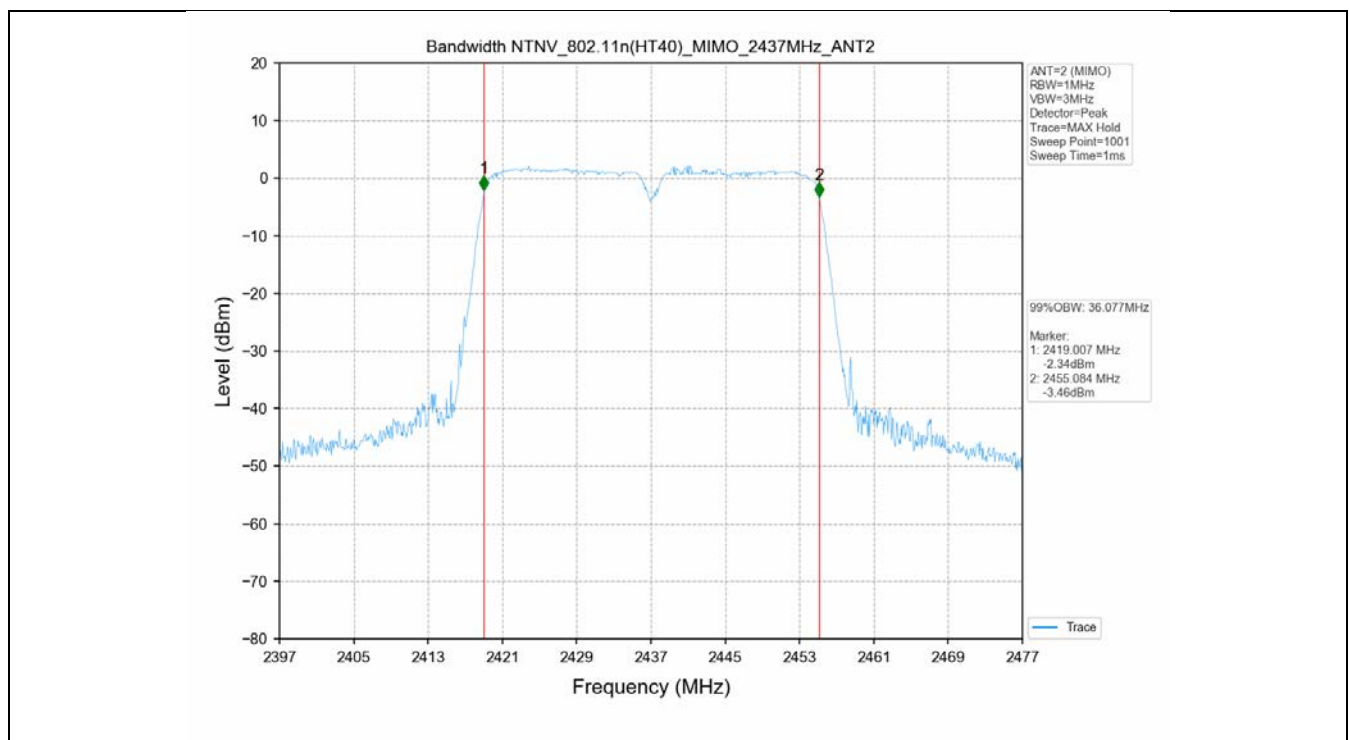
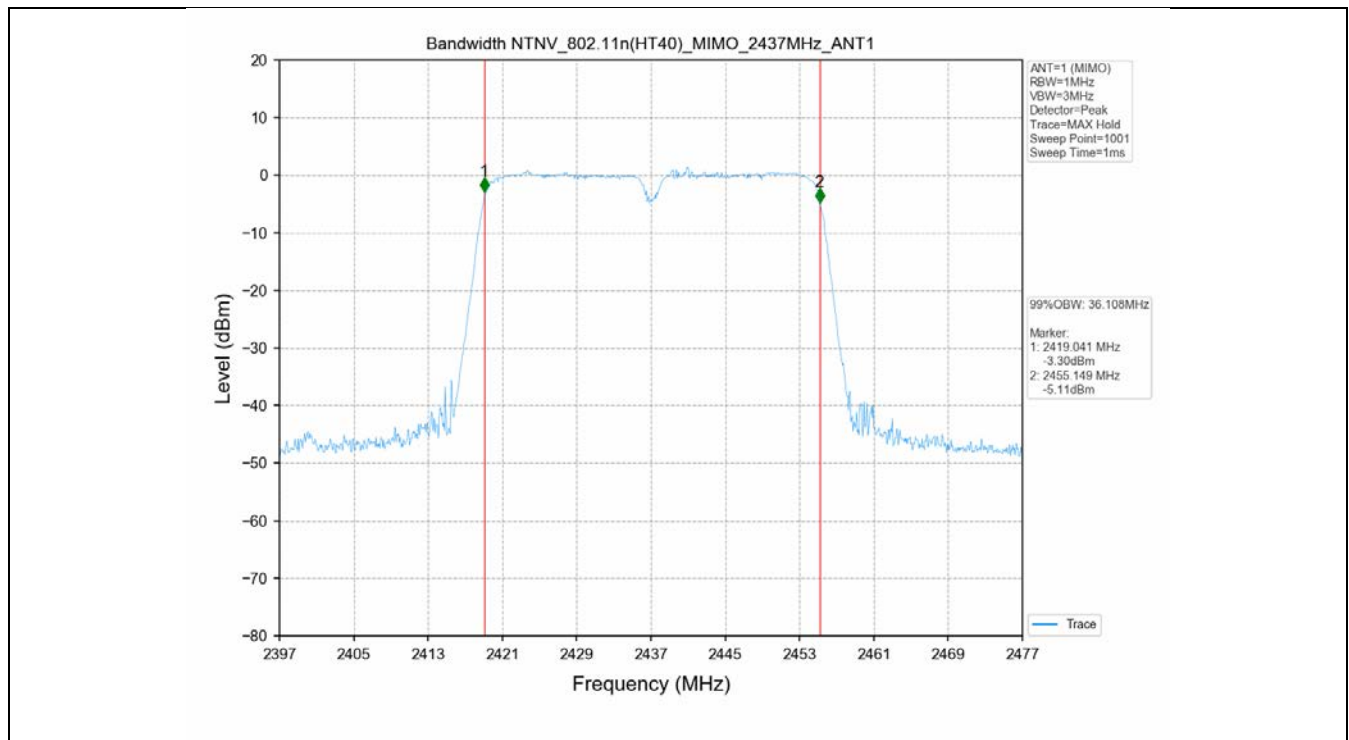


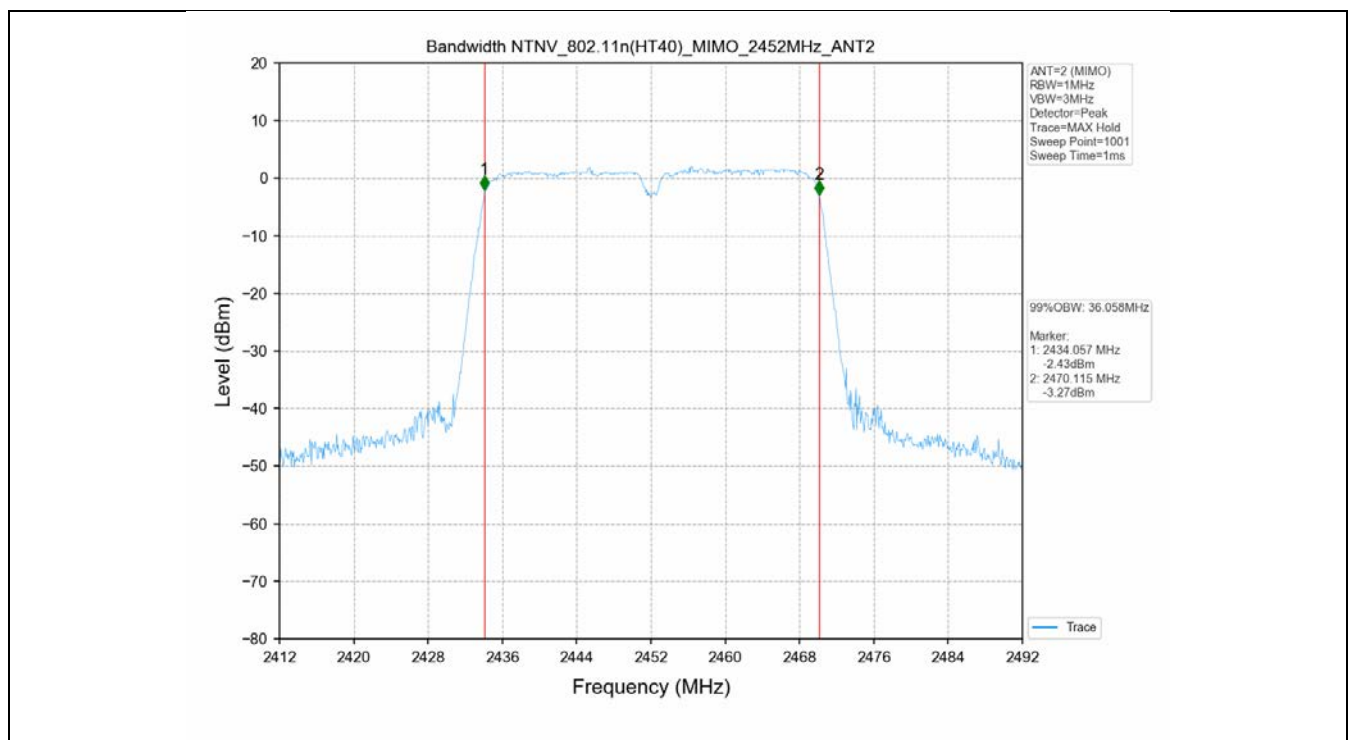
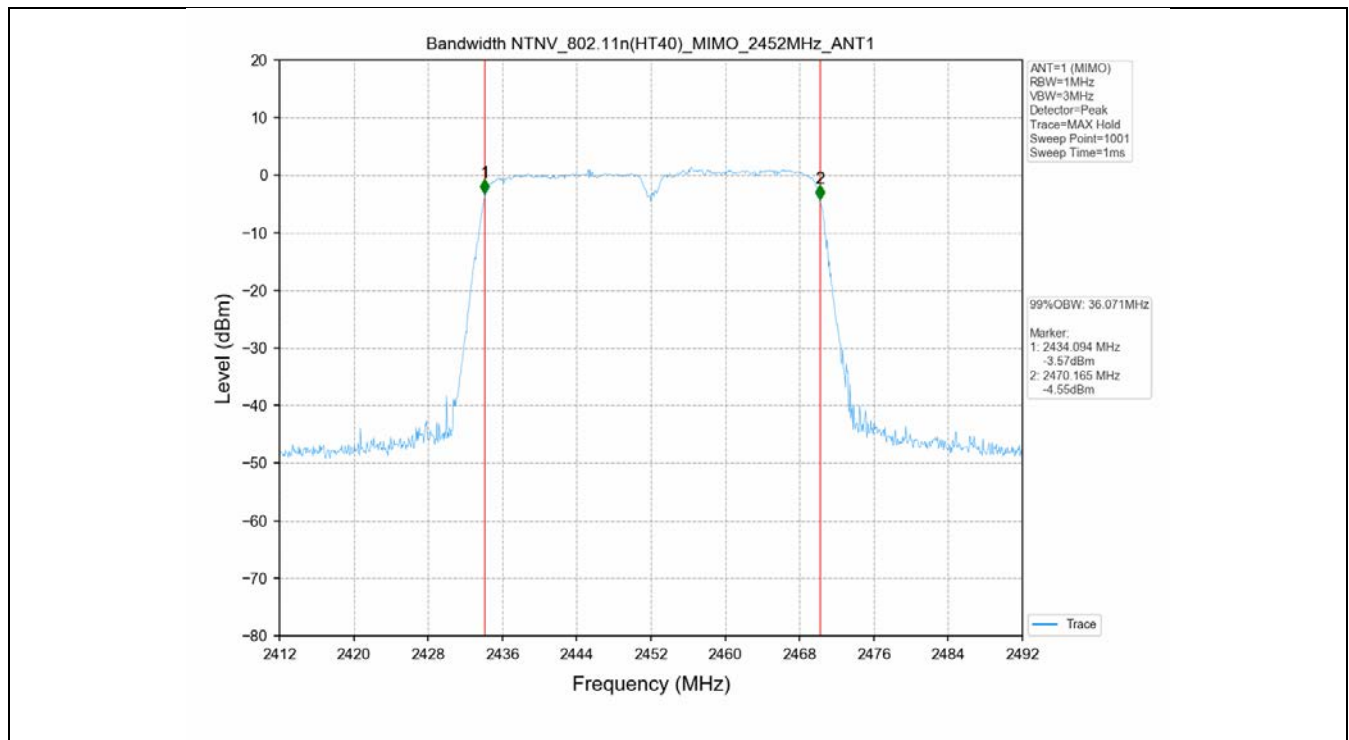














3. Maximum Conducted Output Power

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	17.68	16.56	/	30	PASS
	2437	SISO	16.92	15.79	/	30	PASS
	2462	SISO	17.40	16.28	/	30	PASS
802.11g	2412	SISO	16.17	15.19	/	30	PASS
	2437	SISO	15.48	14.29	/	30	PASS
	2462	SISO	14.88	15.64	/	30	PASS
802.11n(HT20)	2412	MIMO	14.83	16.29	18.63	30	PASS
	2437	MIMO	14.29	15.47	17.93	30	PASS
	2462	MIMO	14.85	15.59	18.25	30	PASS
802.11n(HT40)	2422	MIMO	15.05	16.37	18.77	30	PASS
	2437	MIMO	14.98	15.98	18.52	30	PASS
	2452	MIMO	15.17	15.95	18.59	30	PASS

3.2 Test Graph

