



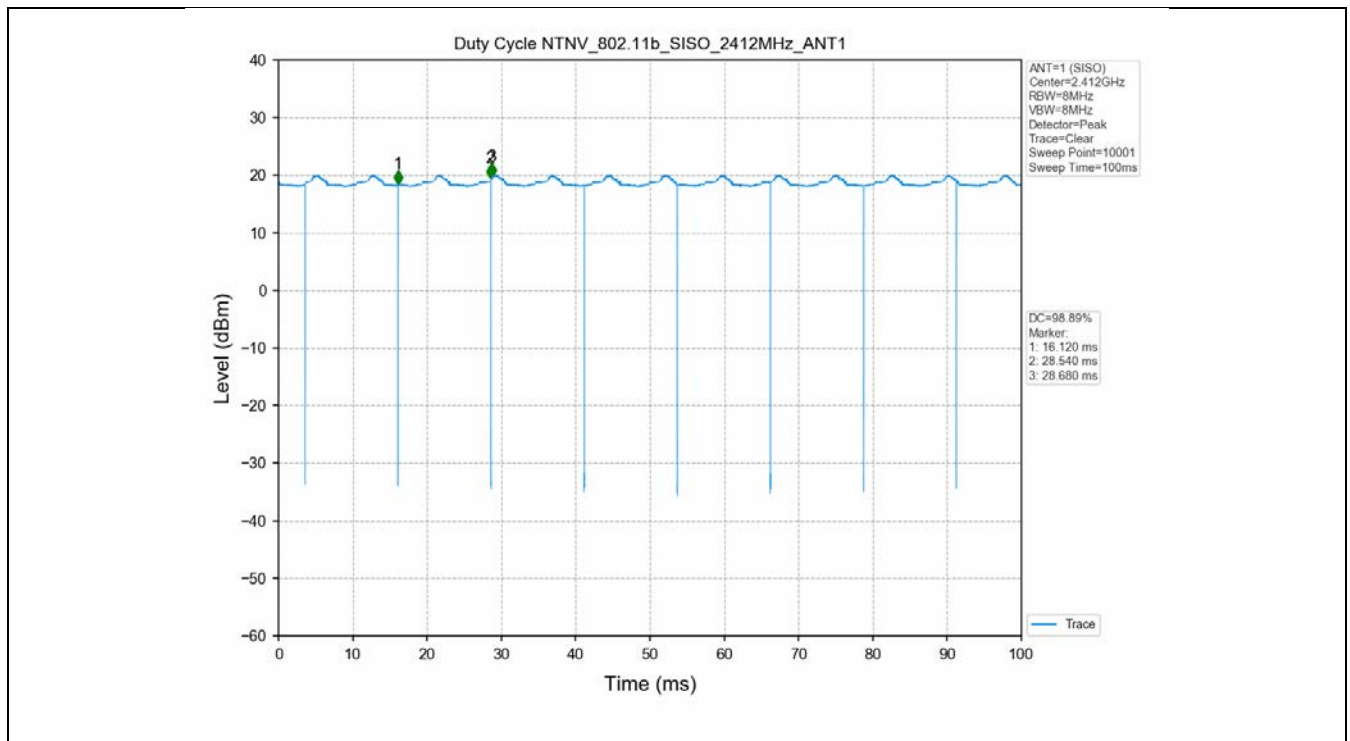
Appendix A for SHEM200600460501

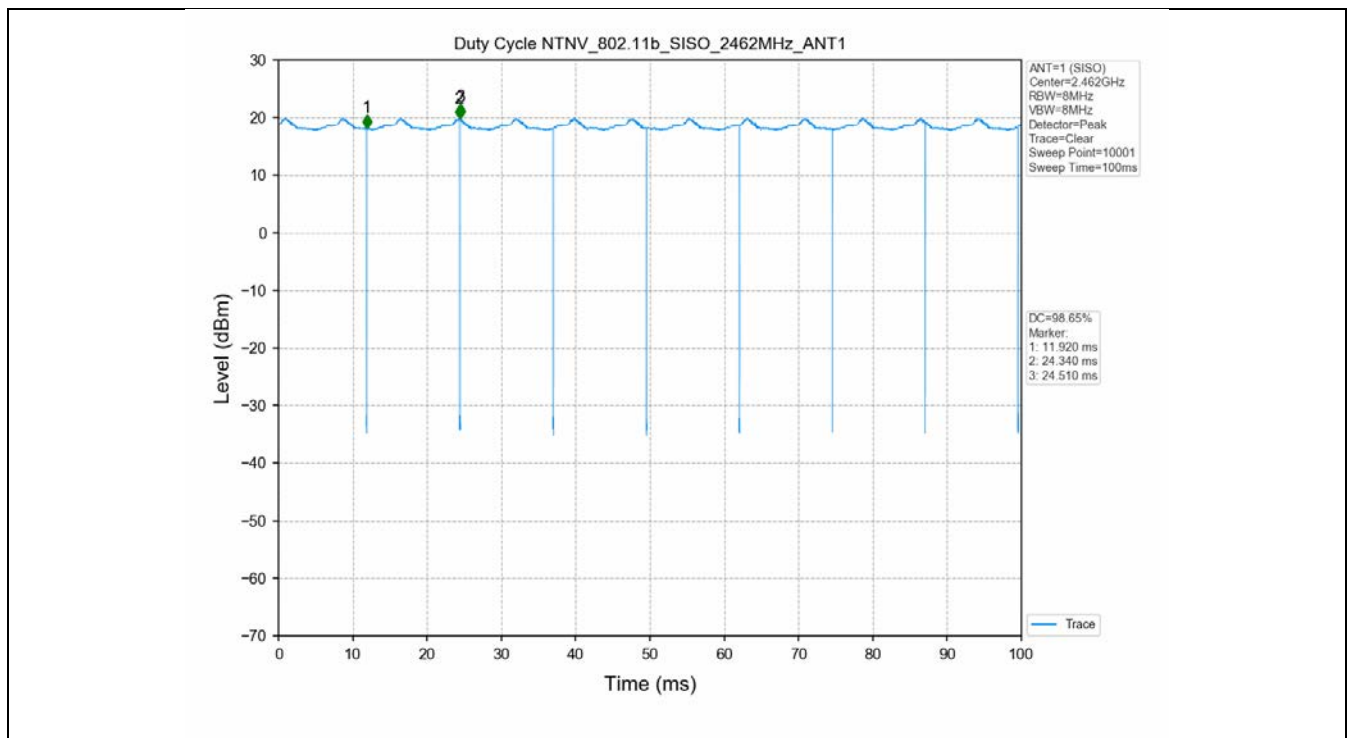
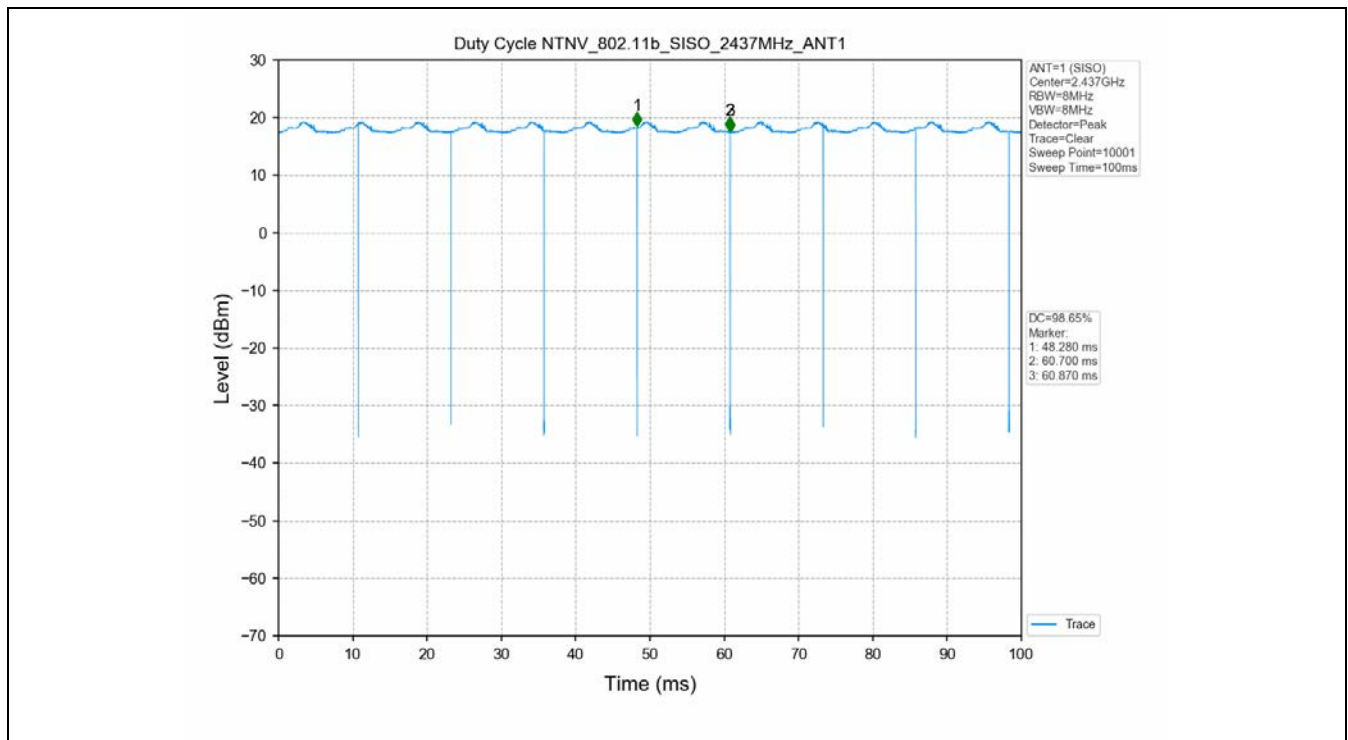
1. Duty Cycle

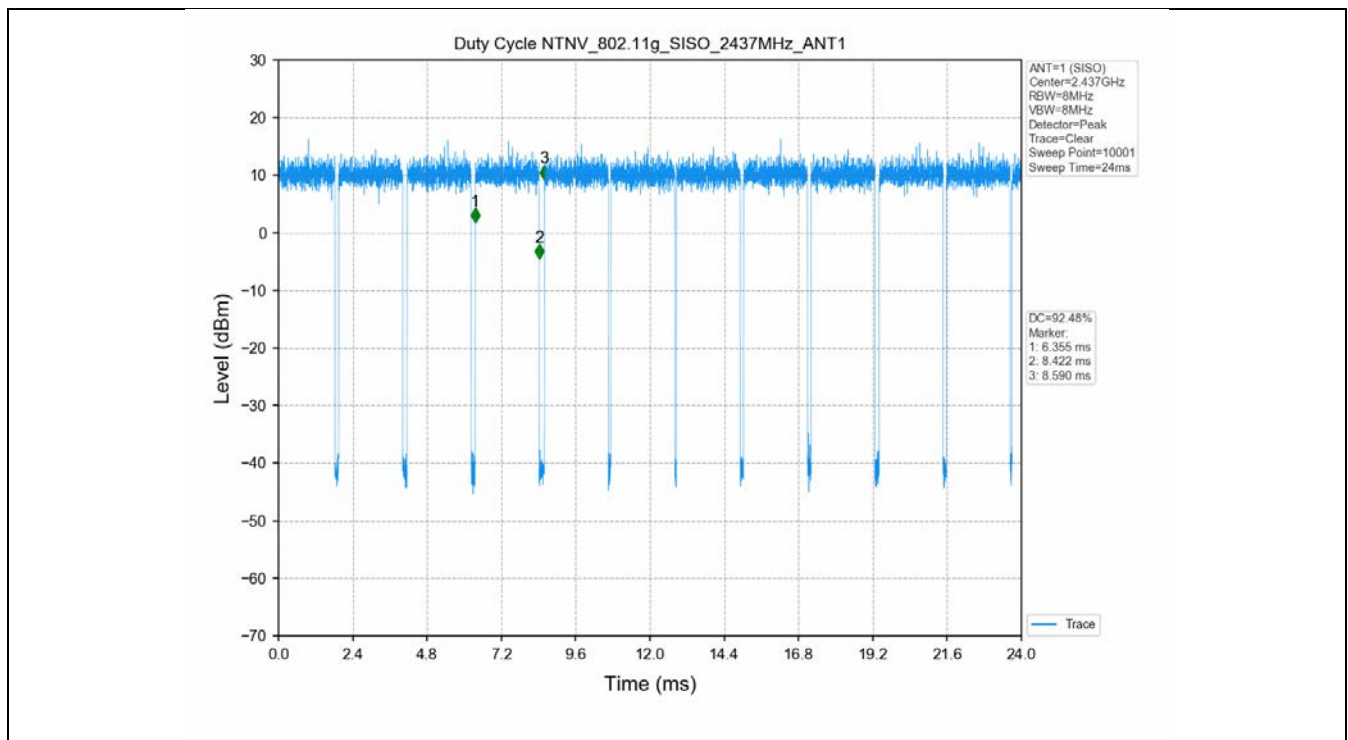
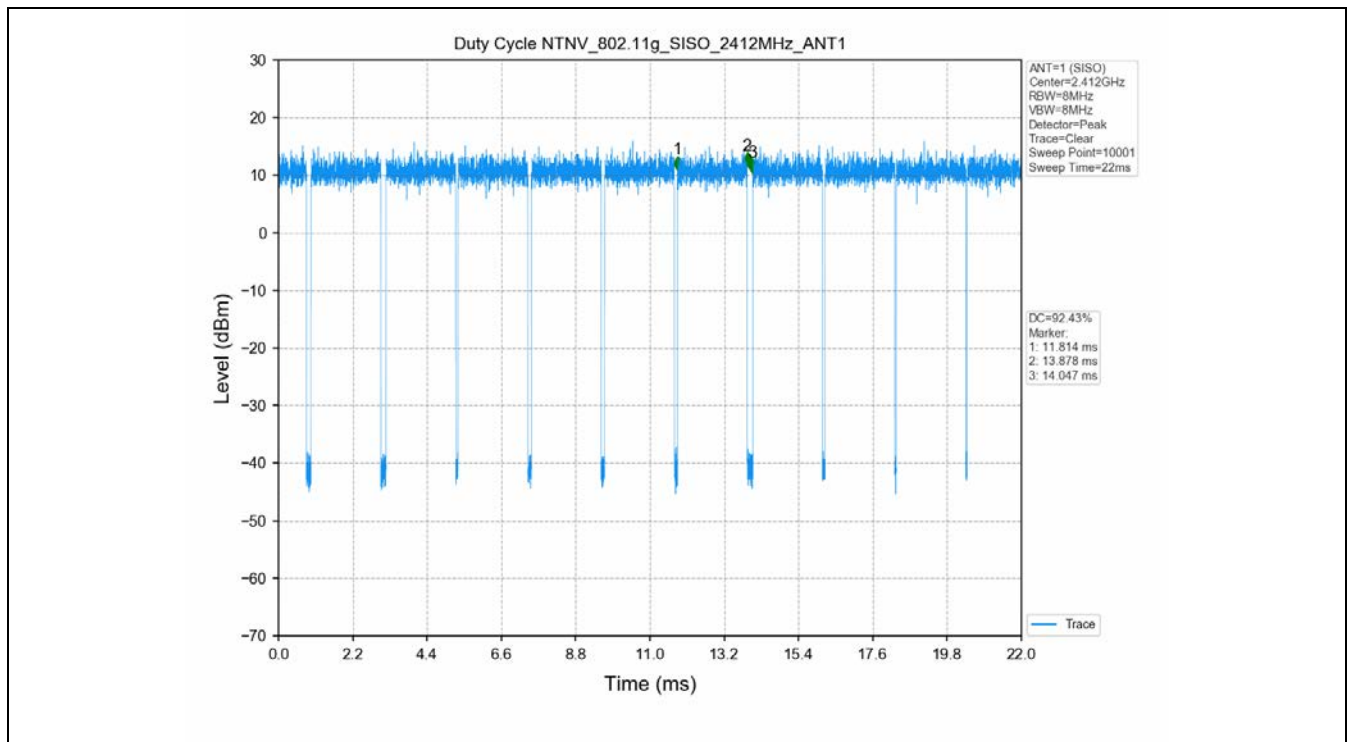
1.1 Test Result

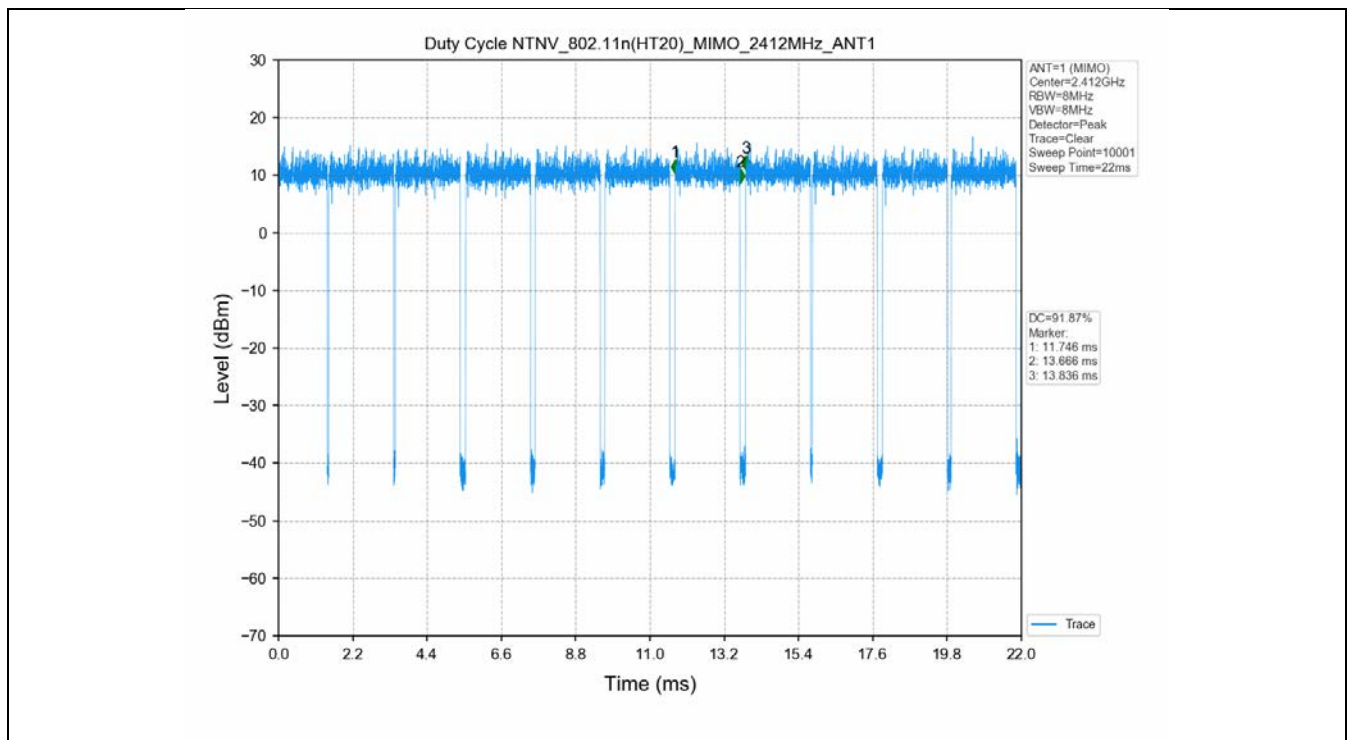
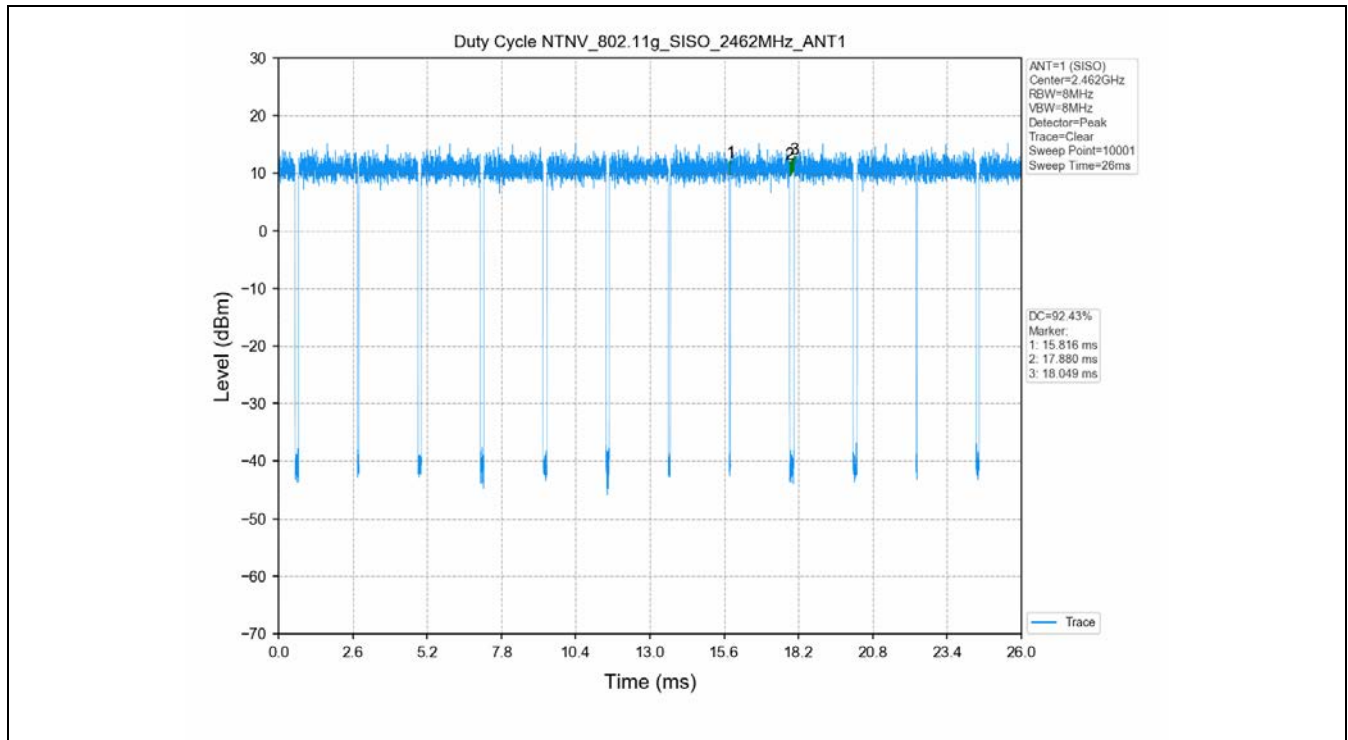
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.560	98.89	0.05
	2437	SISO	1	12.420	12.590	98.65	0.06
	2462	SISO	1	12.420	12.590	98.65	0.06
802.11g	2412	SISO	1	2.064	2.233	92.43	0.34
	2437	SISO	1	2.067	2.235	92.48	0.34
	2462	SISO	1	2.064	2.233	92.43	0.34
802.11n(HT20)	2412	MIMO	1	1.920	2.090	91.87	0.37
	2437	MIMO	1	1.920	2.081	92.26	0.35
	2462	MIMO	1	1.921	2.064	93.07	0.31
802.11n(HT40)	2422	MIMO	1	0.916	1.072	85.45	0.68
	2437	MIMO	1	0.916	1.081	84.74	0.72
	2452	MIMO	1	0.918	1.081	84.92	0.71

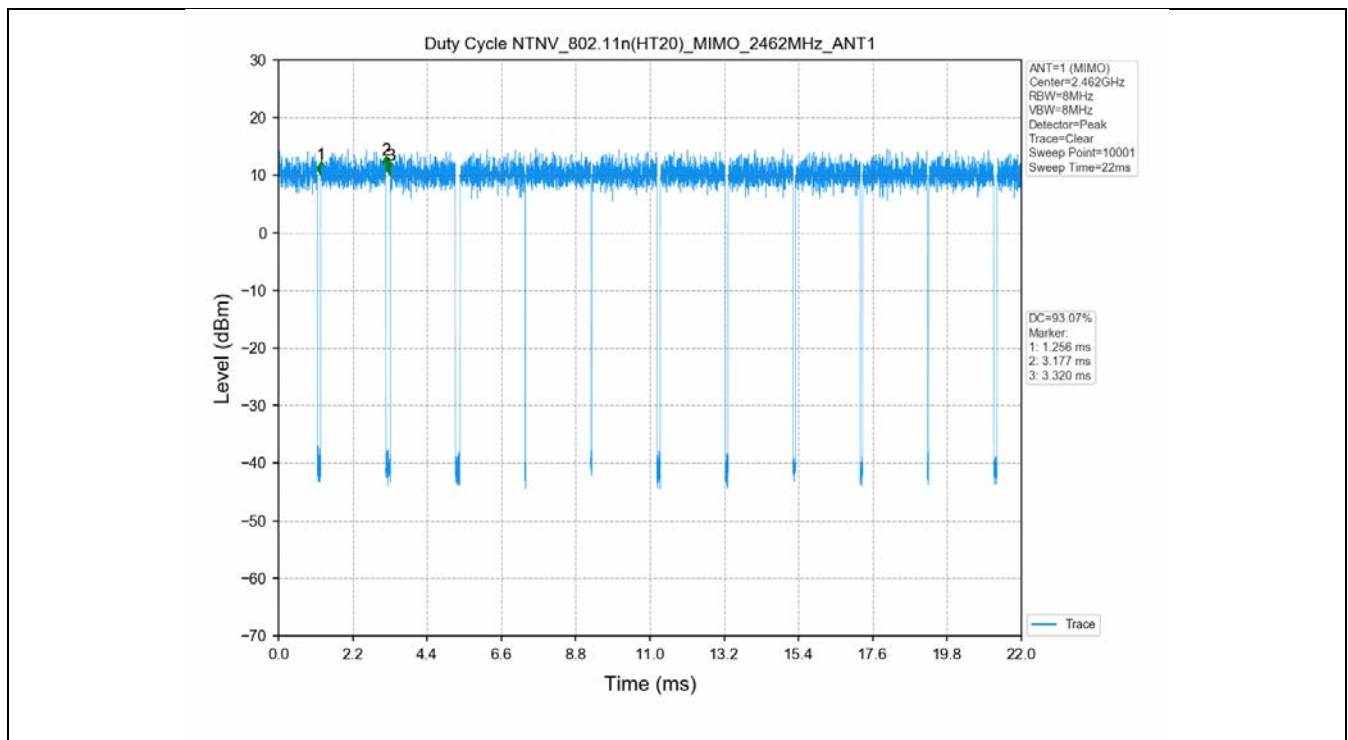
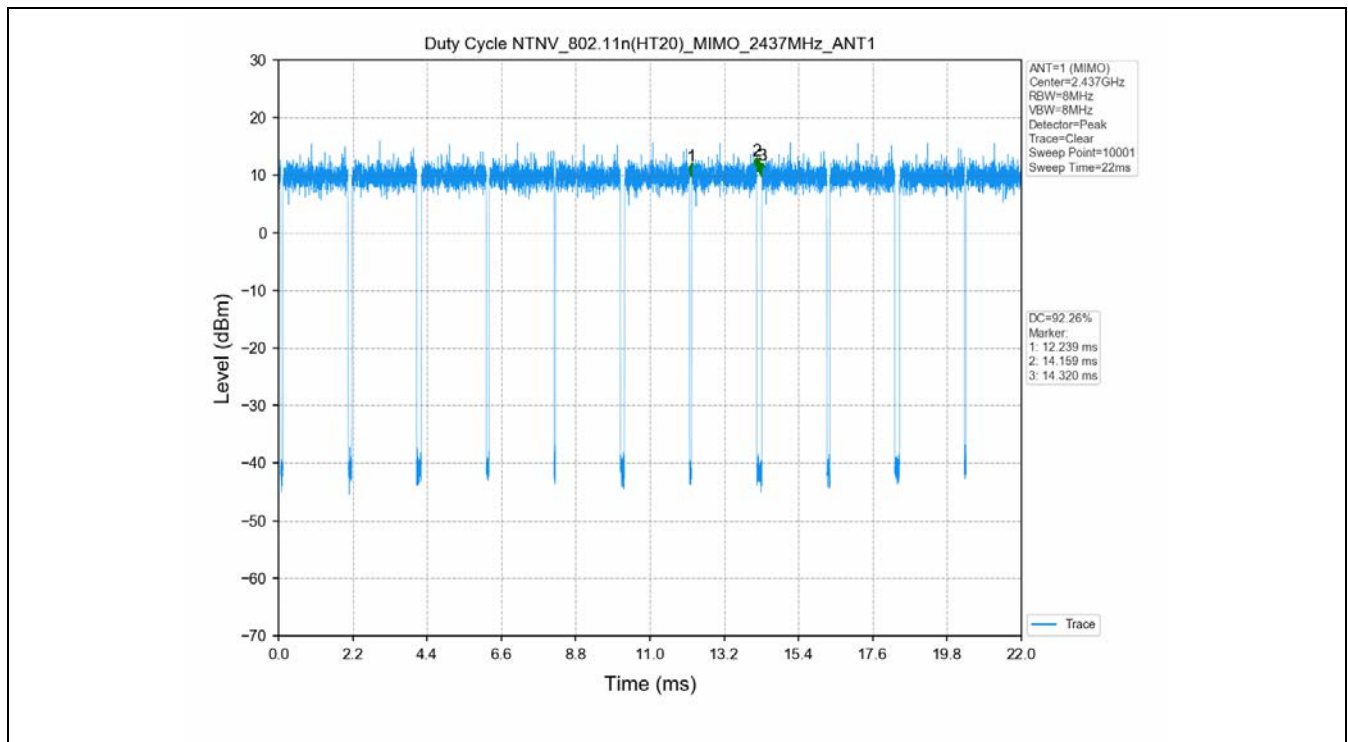
1.2 Test Graph

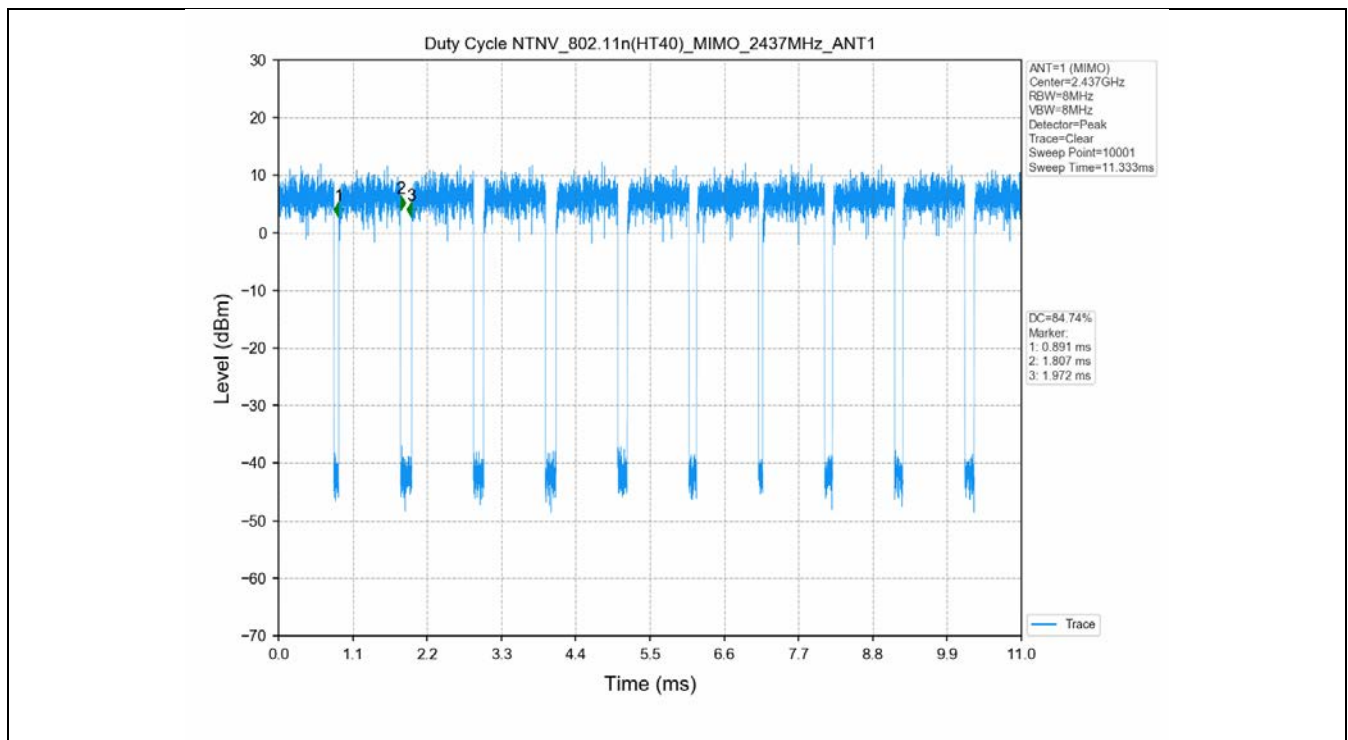
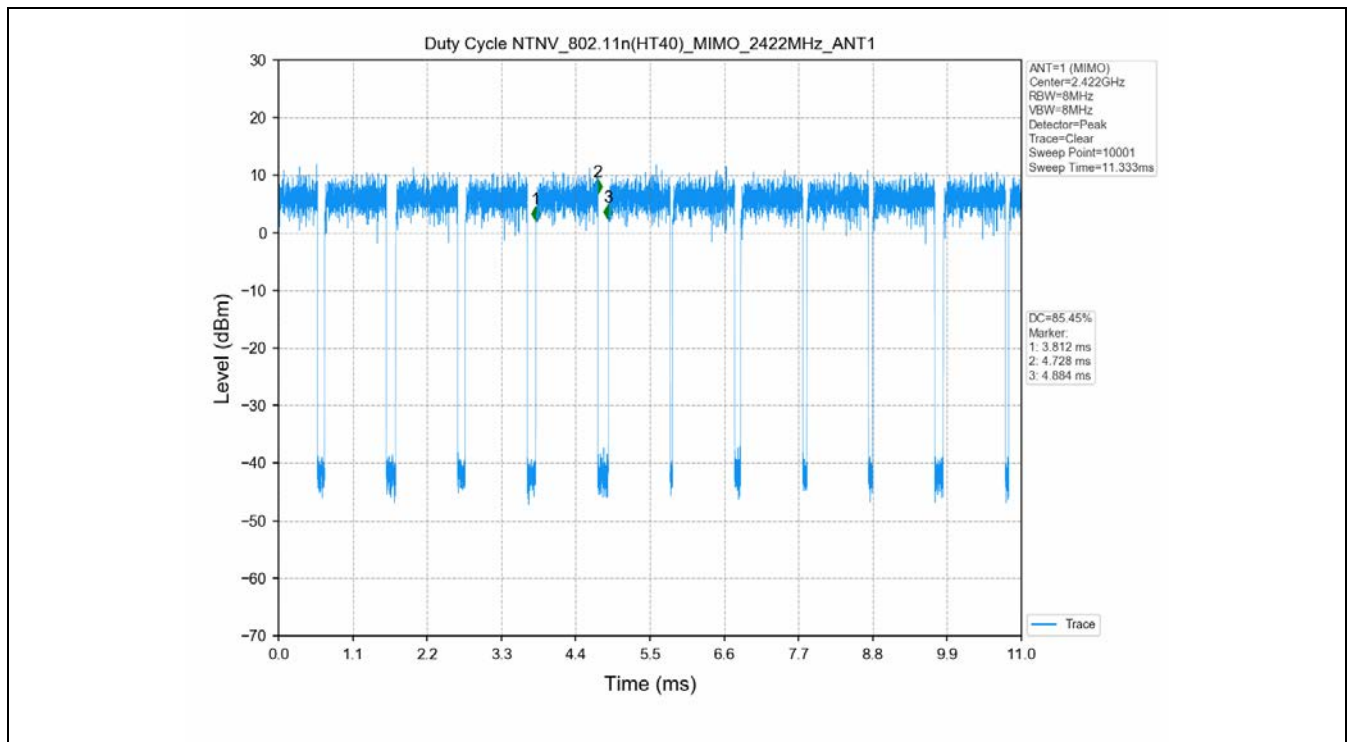


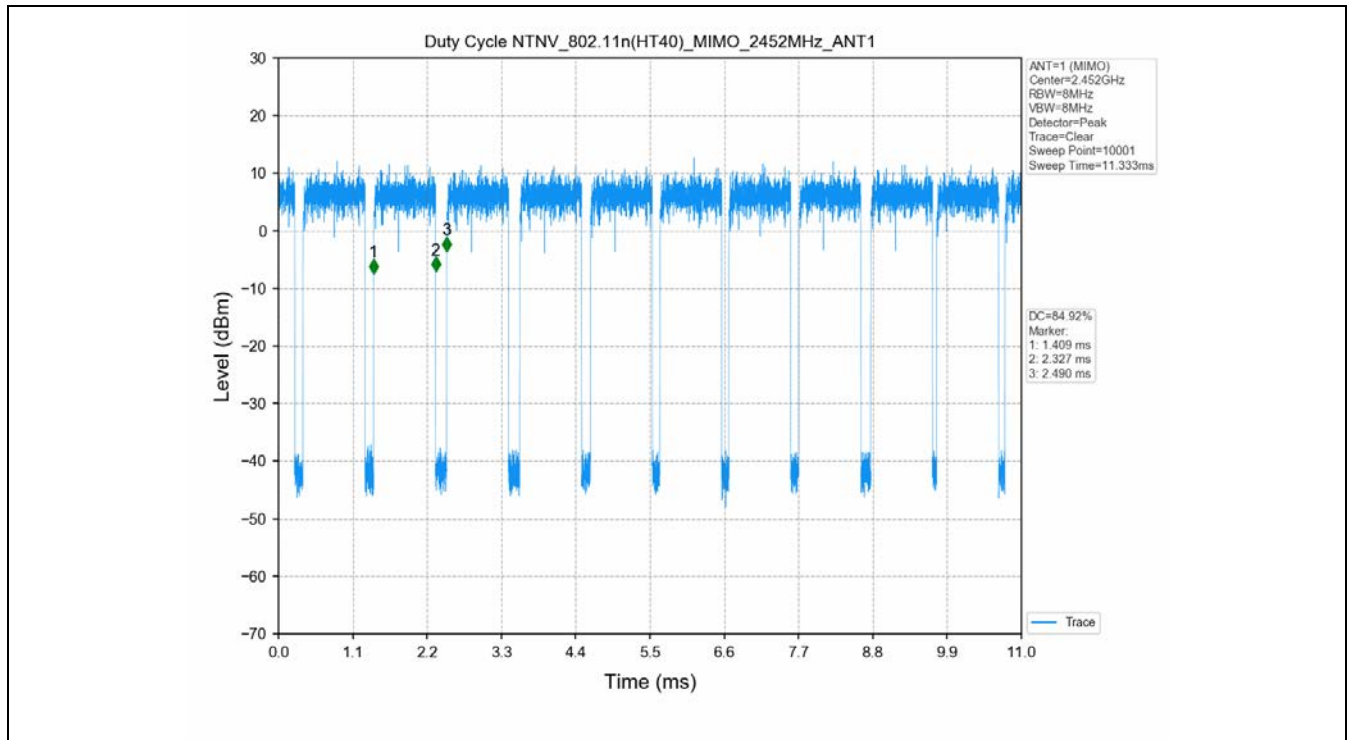












2. Bandwidth

2.1 Test Result

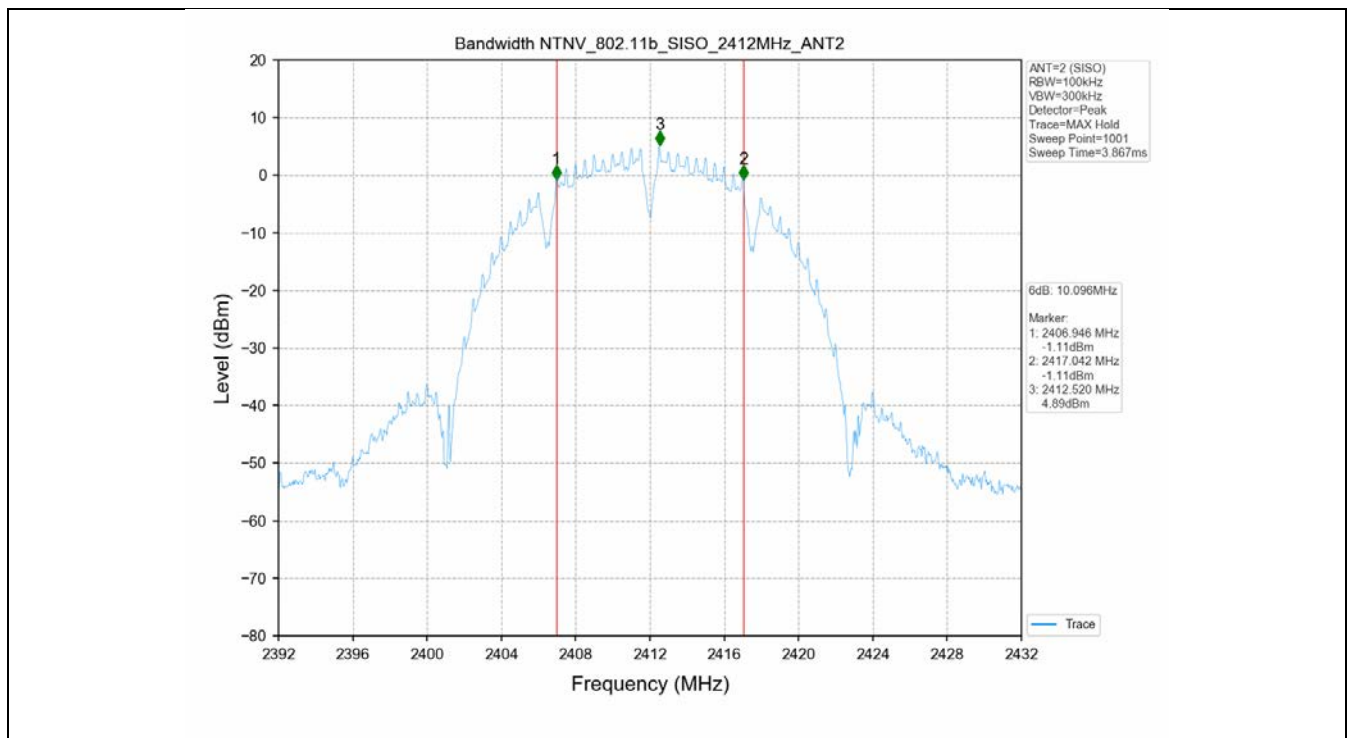
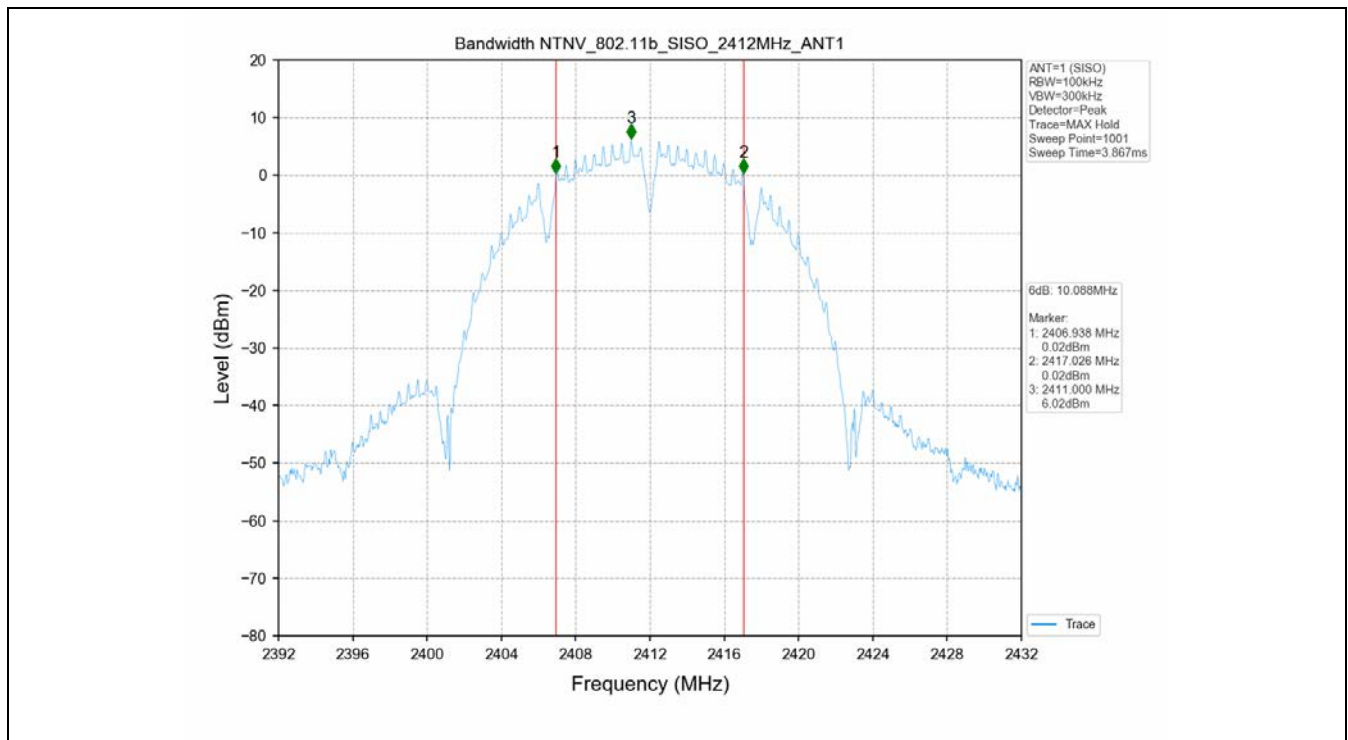
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	1.5*BW(MHz)	Span using in Power (MHz)	Span using in PSD (MHz)	Limits (MHz)	Verdict
				Test Result (MHz)					
802.11b	2412	SISO	1	10.088	15.13	15.13	15.13	≥0.5	PASS
			2	10.096	15.14	15.14	15.14	≥0.5	PASS
	2437	SISO	1	10.093	15.14	15.14	15.14	≥0.5	PASS
			2	10.088	15.13	15.13	15.13	≥0.5	PASS
	2462	SISO	1	10.102	15.15	15.15	15.15	≥0.5	PASS
			2	10.105	15.16	15.16	15.16	≥0.5	PASS
802.11g	2412	SISO	1	16.390	24.59	24.59	24.59	≥0.5	PASS
			2	16.372	24.56	24.56	24.56	≥0.5	PASS
	2437	SISO	1	16.390	24.59	24.59	24.59	≥0.5	PASS
			2	16.401	24.60	24.60	24.60	≥0.5	PASS
	2462	SISO	1	16.386	24.58	24.58	24.58	≥0.5	PASS
			2	16.394	24.59	24.59	24.59	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	17.576	26.36	26.36	26.36	≥0.5	PASS
			2	17.386	26.08	26.08	26.08	≥0.5	PASS
	2437	MIMO	1	17.610	26.42	26.42	26.42	≥0.5	PASS
			2	17.594	26.39	26.39	26.39	≥0.5	PASS
	2462	MIMO	1	17.586	26.38	26.38	26.38	≥0.5	PASS
			2	17.598	26.40	26.40	26.40	≥0.5	PASS

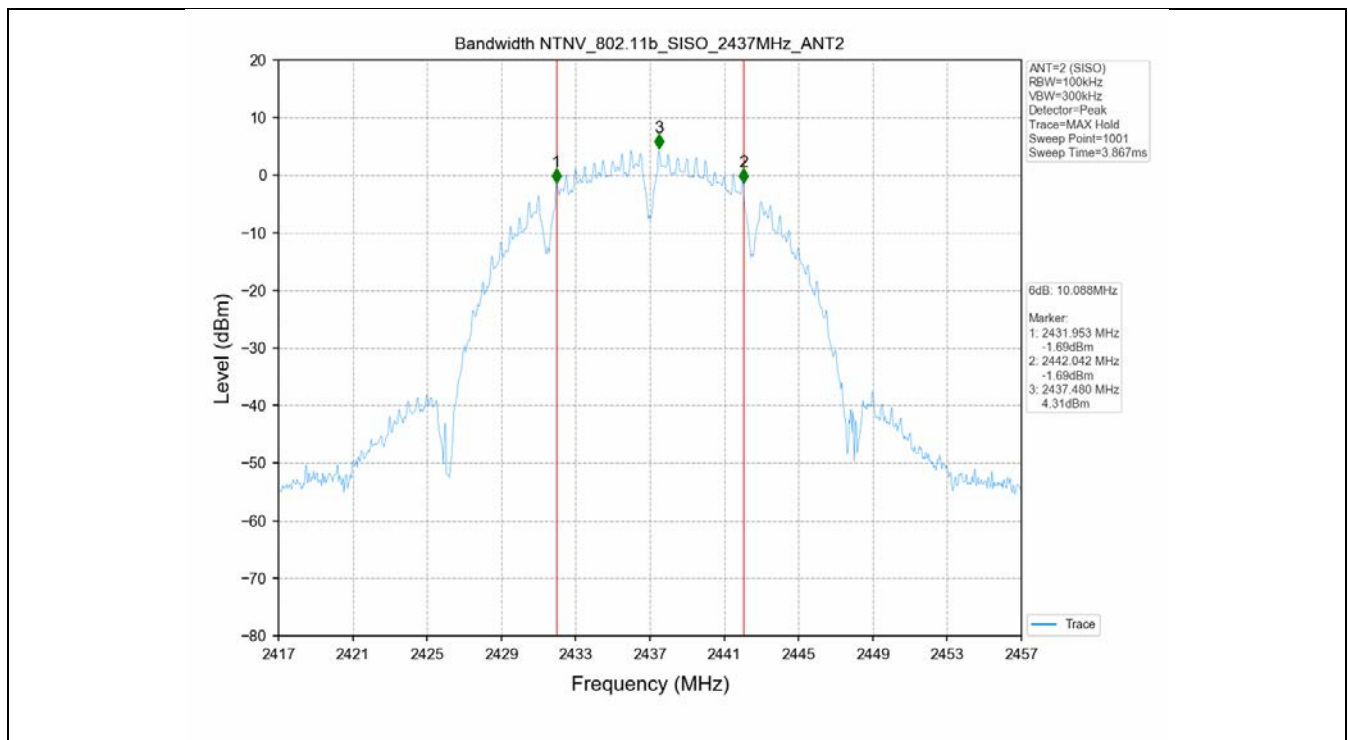
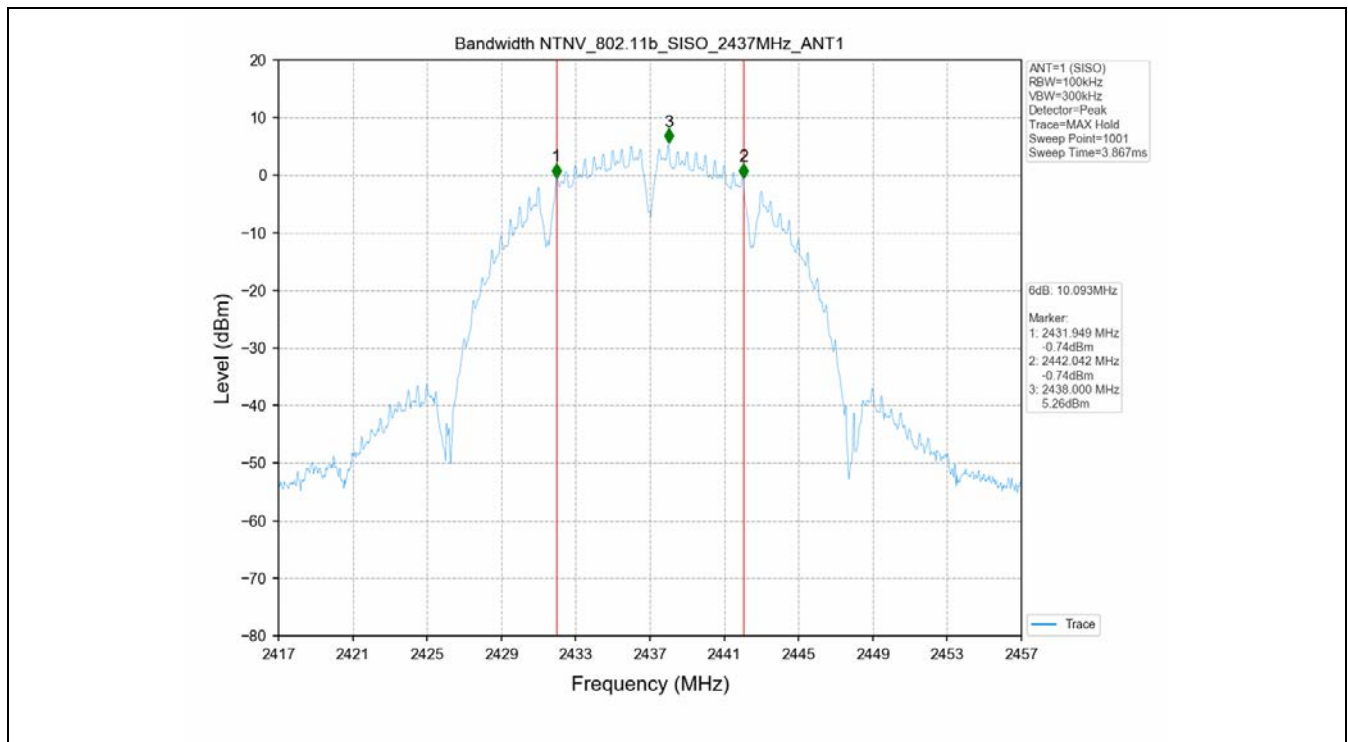


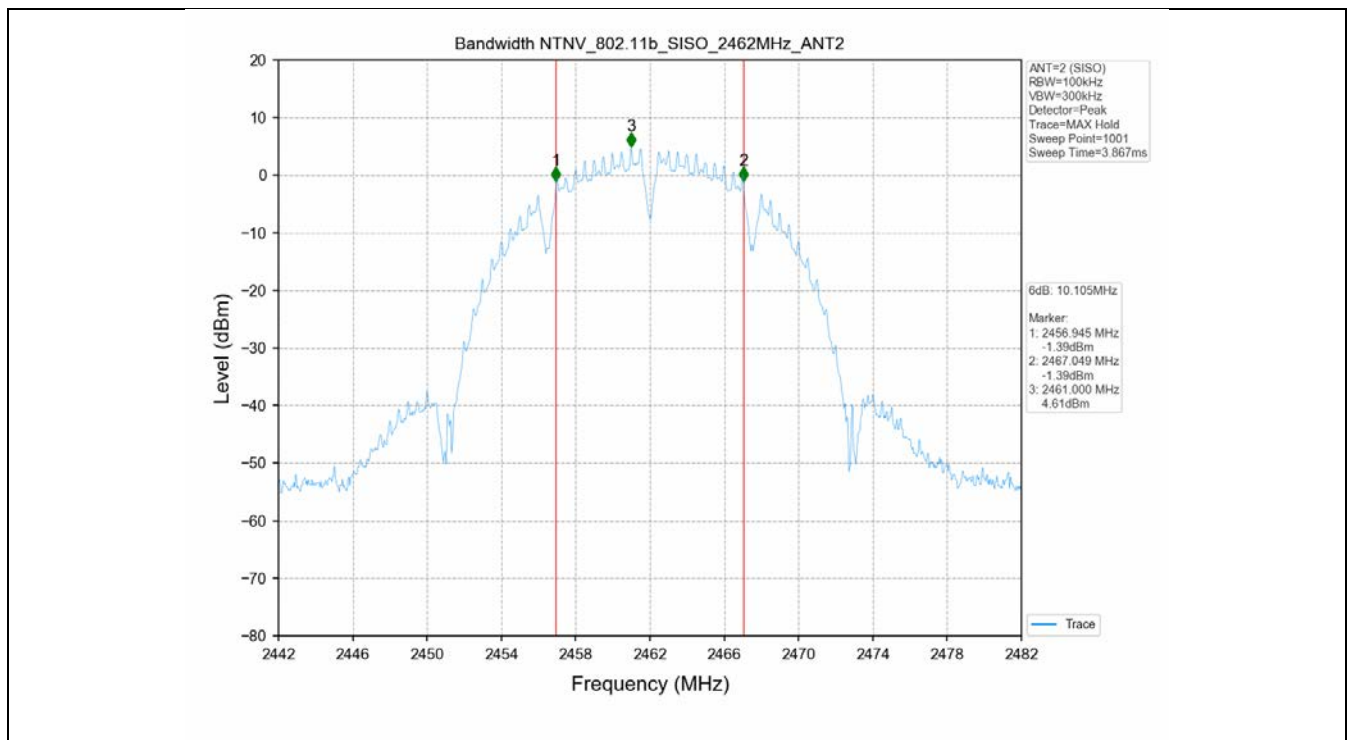
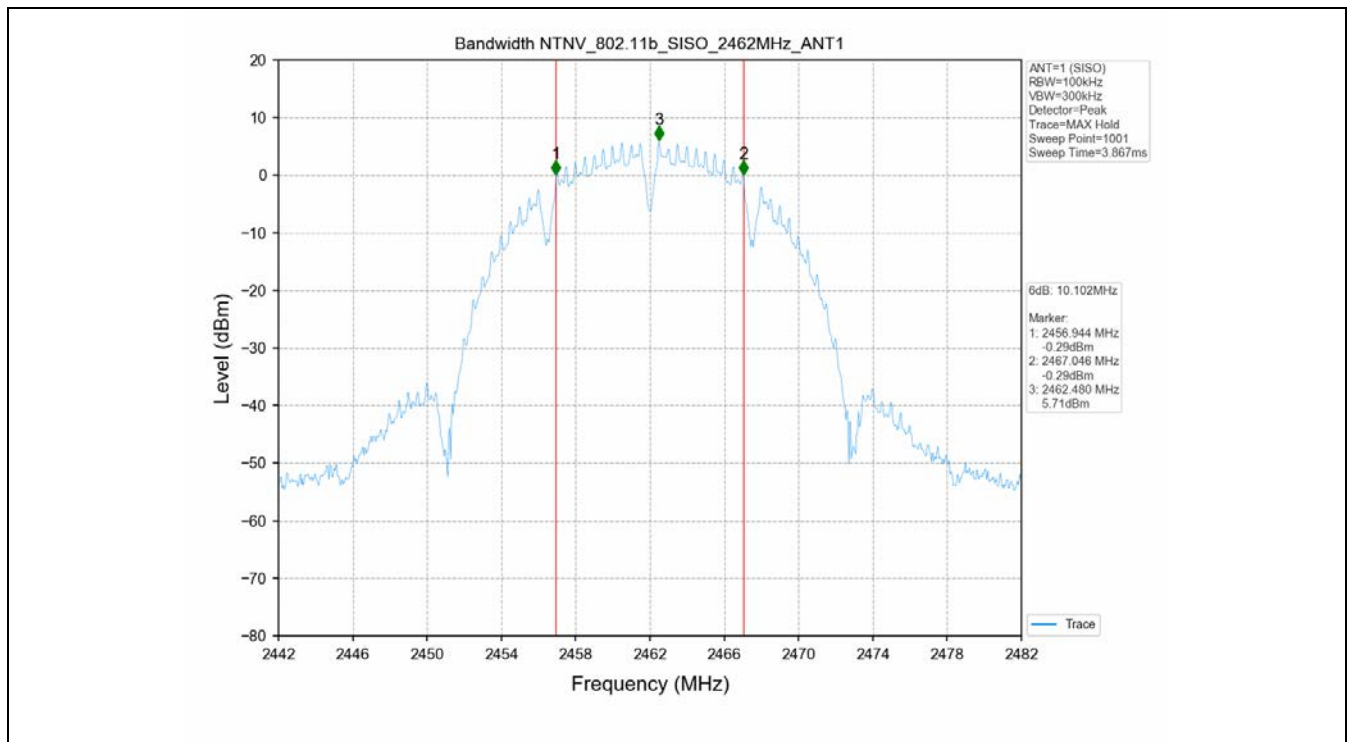
802.11n(HT40)	2422	MIMO	1	35.754	53.63	53.63	53.63	≥0.5	PASS
			2	35.758	53.64	53.64	53.64	≥0.5	PASS
	2437	MIMO	1	35.876	53.81	53.81	53.81	≥0.5	PASS
			2	35.775	53.66	53.66	53.66	≥0.5	PASS
	2452	MIMO	1	35.544	53.32	53.32	53.32	≥0.5	PASS
			2	35.501	53.25	53.25	53.25	≥0.5	PASS

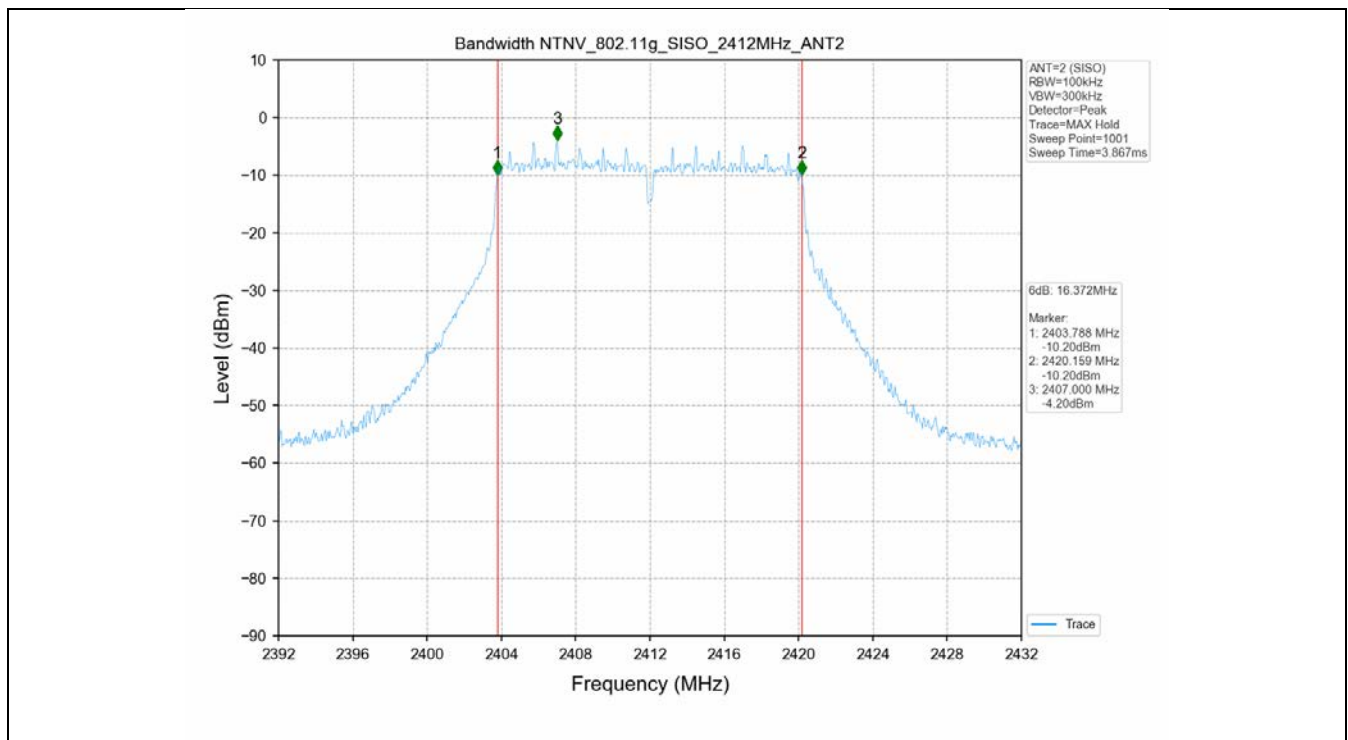
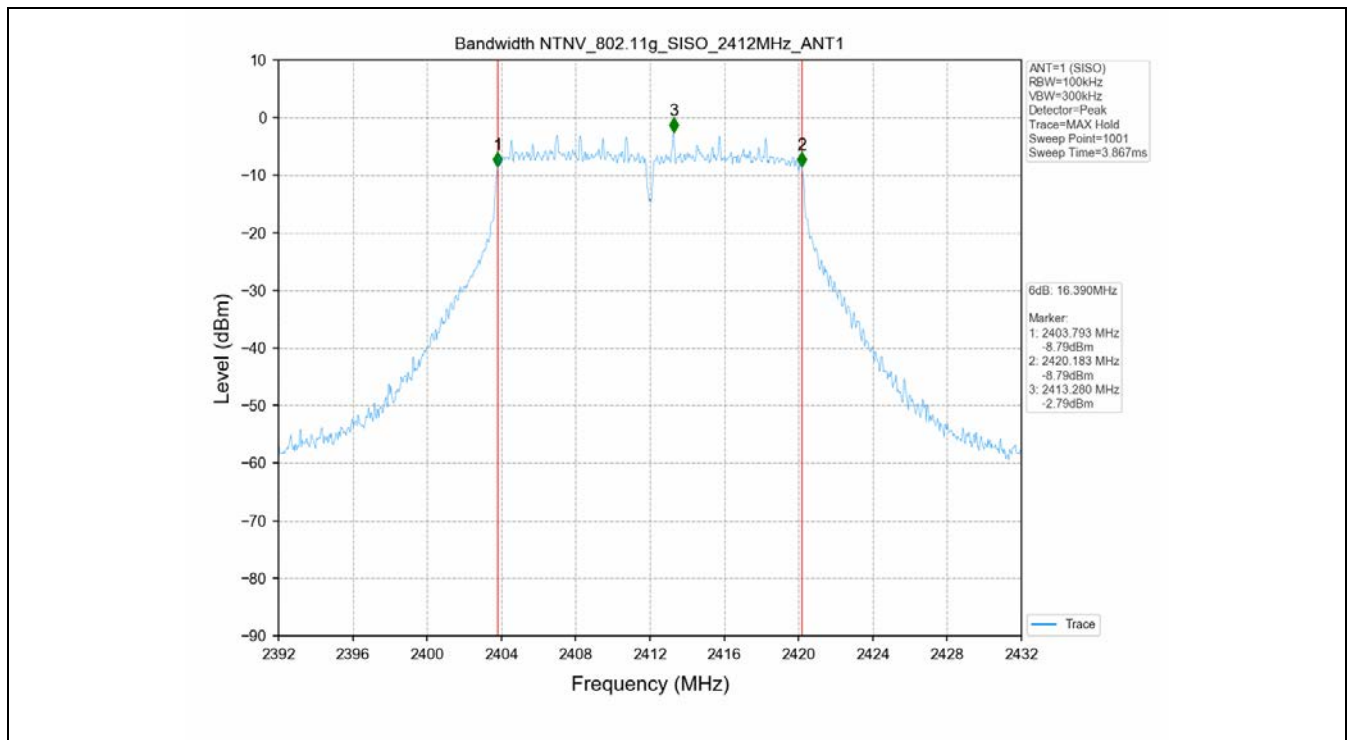
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.943	Only for Report Use
			2	14.925	Only for Report Use
	2437	SISO	1	14.955	Only for Report Use
			2	14.953	Only for Report Use
	2462	SISO	1	14.922	Only for Report Use
			2	14.916	Only for Report Use
802.11g	2412	SISO	1	16.936	Only for Report Use
			2	16.760	Only for Report Use
	2437	SISO	1	16.873	Only for Report Use
			2	16.836	Only for Report Use
	2462	SISO	1	17.011	Only for Report Use
			2	16.903	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.994	Only for Report Use
			2	17.967	Only for Report Use
	2437	MIMO	1	17.990	Only for Report Use
			2	17.994	Only for Report Use
	2462	MIMO	1	17.935	Only for Report Use
			2	17.929	Only for Report Use
802.11n(HT40)	2422	MIMO	1	36.097	Only for Report Use
			2	36.098	Only for Report Use
	2437	MIMO	1	36.119	Only for Report Use
			2	36.141	Only for Report Use
	2452	MIMO	1	36.050	Only for Report Use
			2	36.063	Only for Report Use

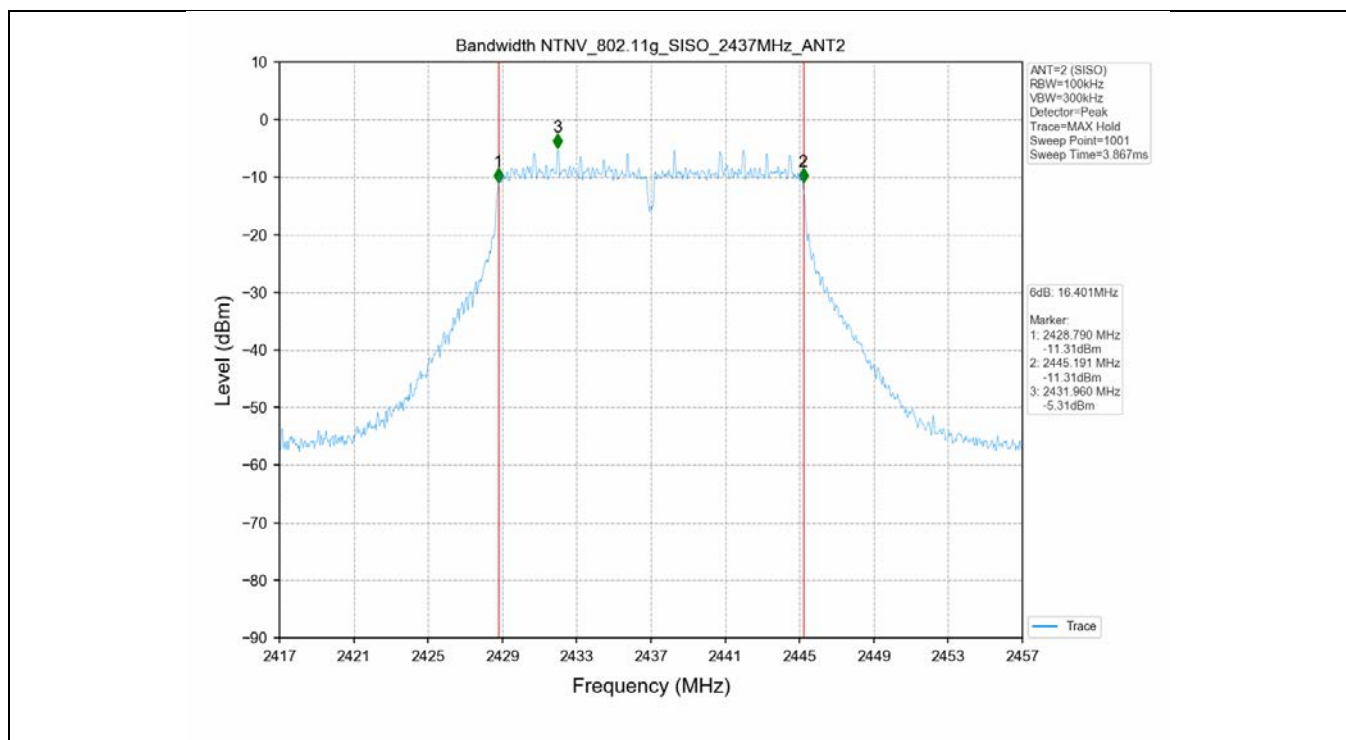
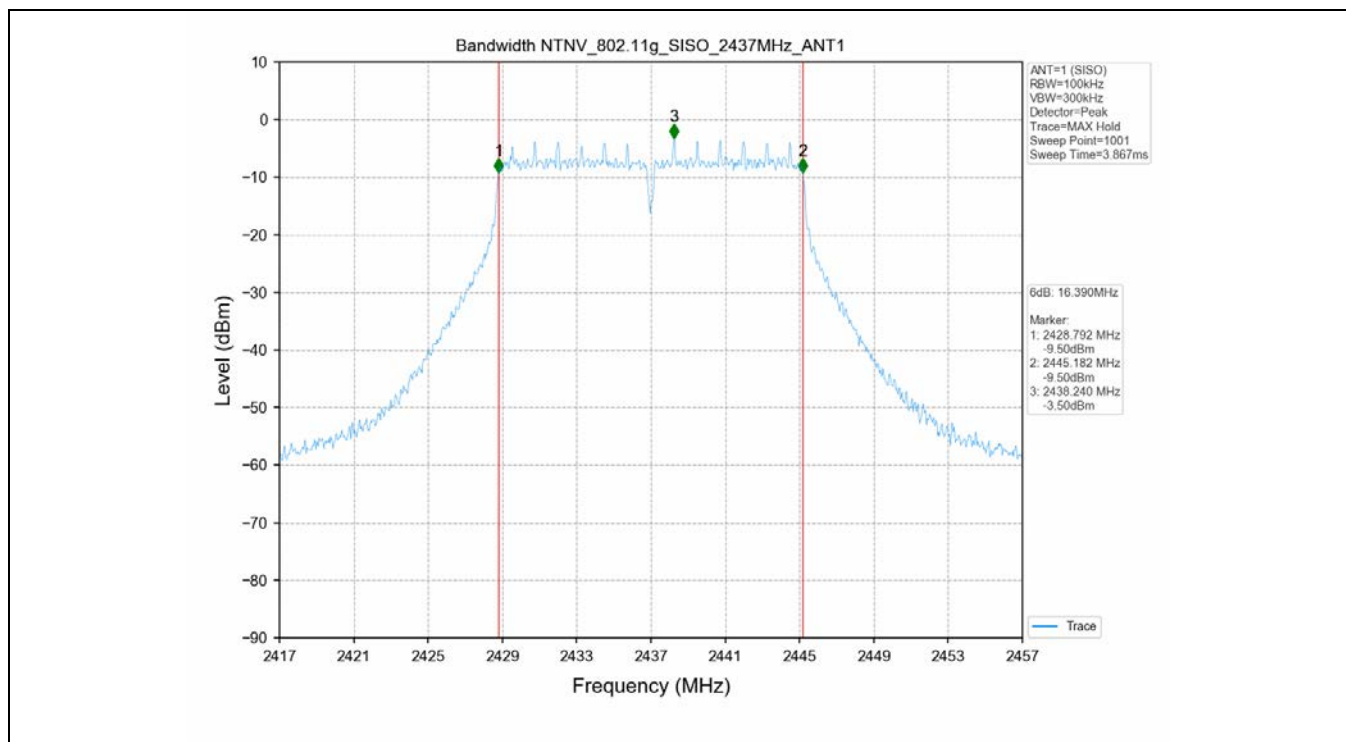
2.2 Test Graph - 6dB Bandwidth

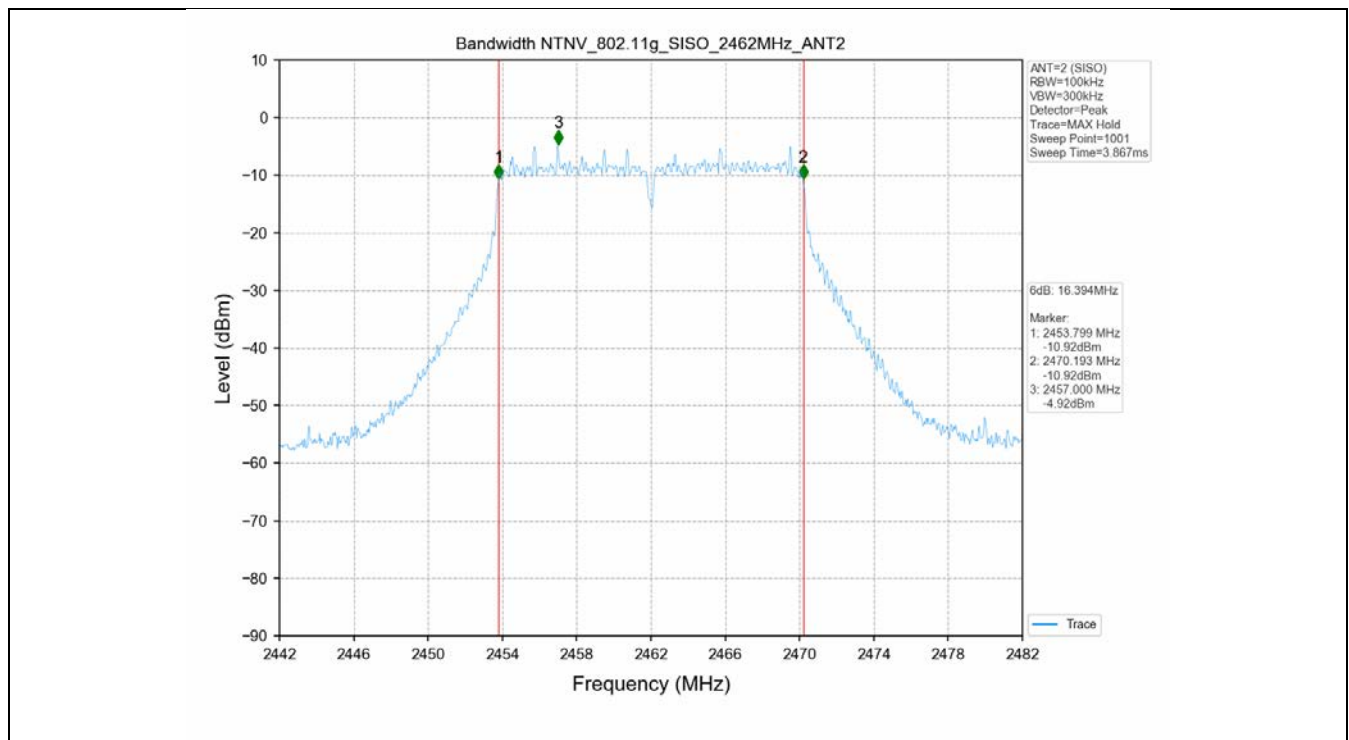
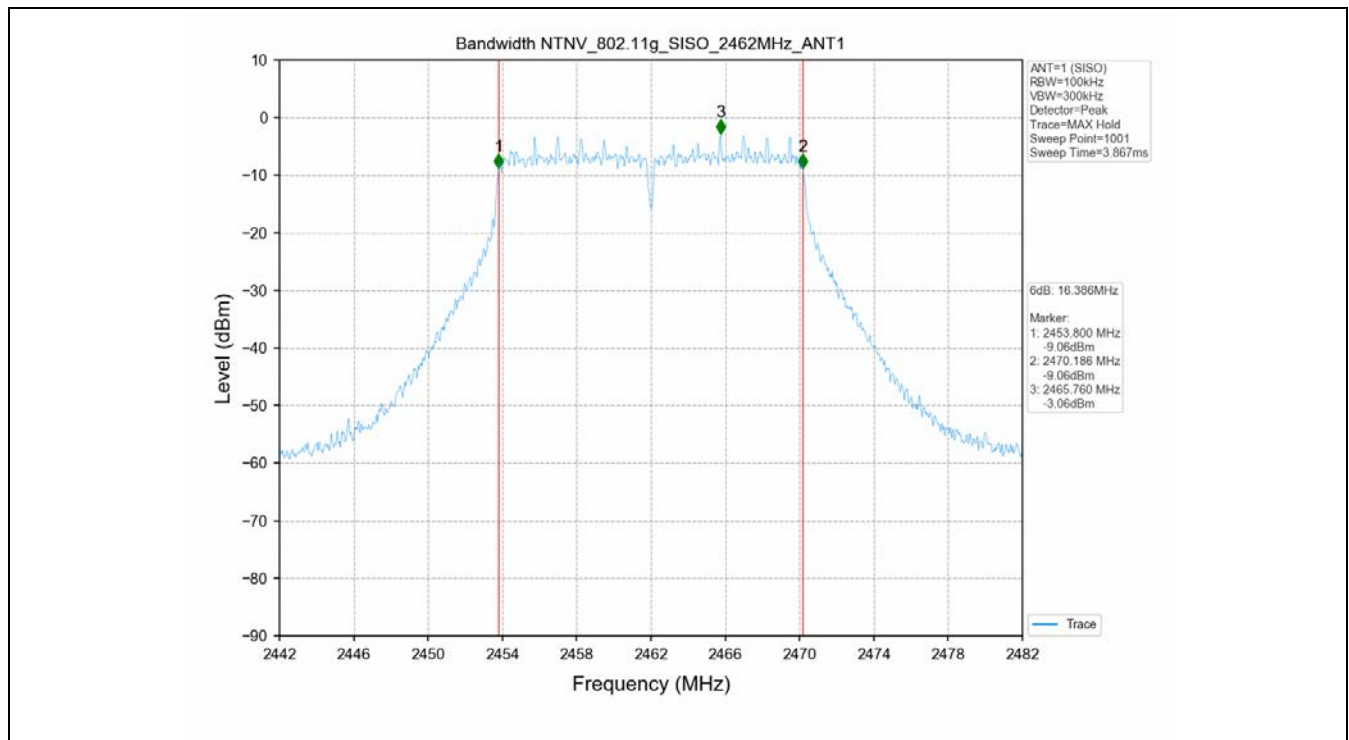


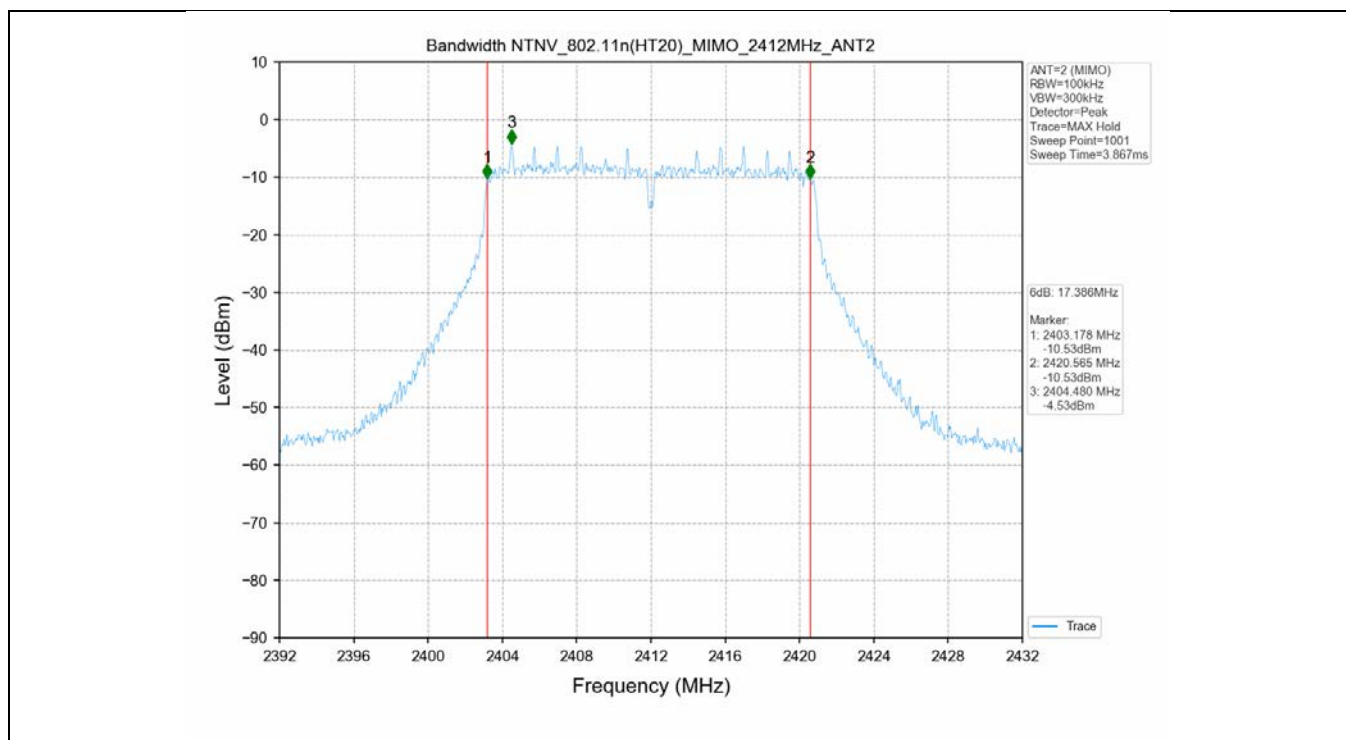
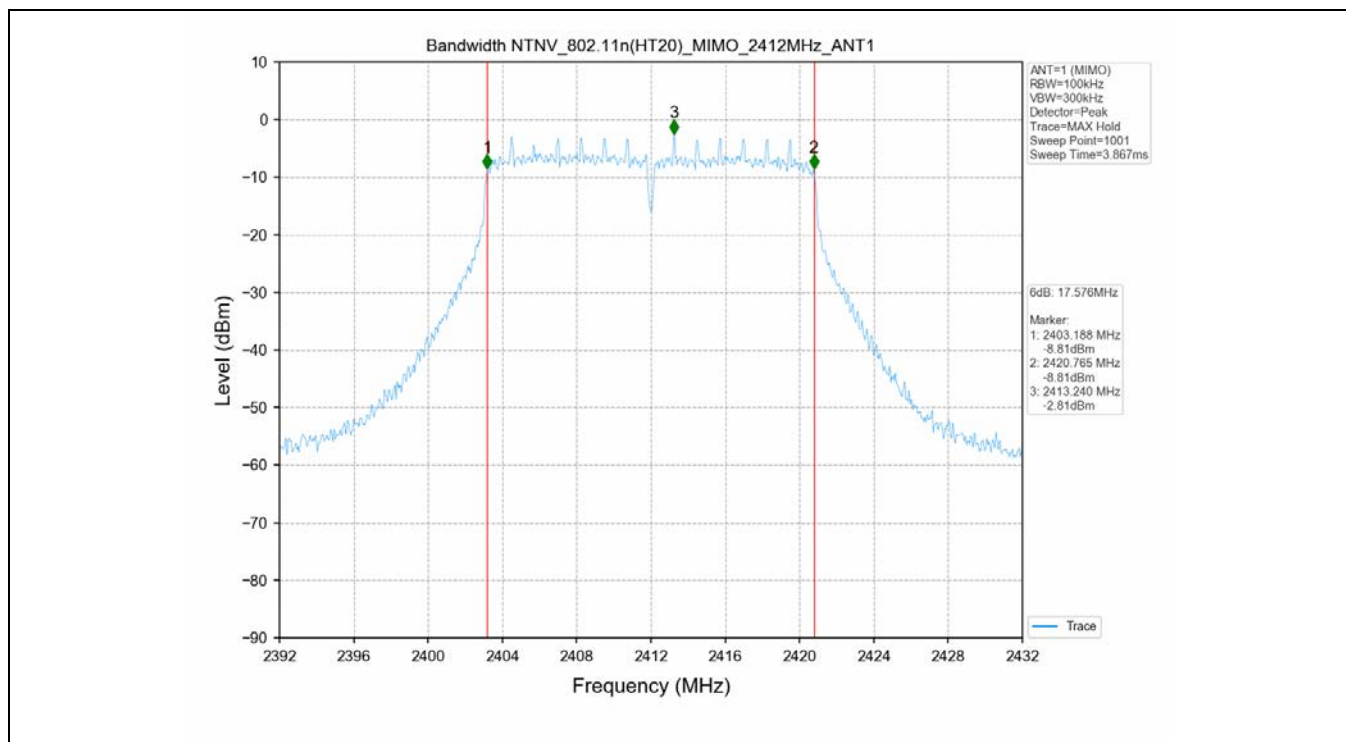


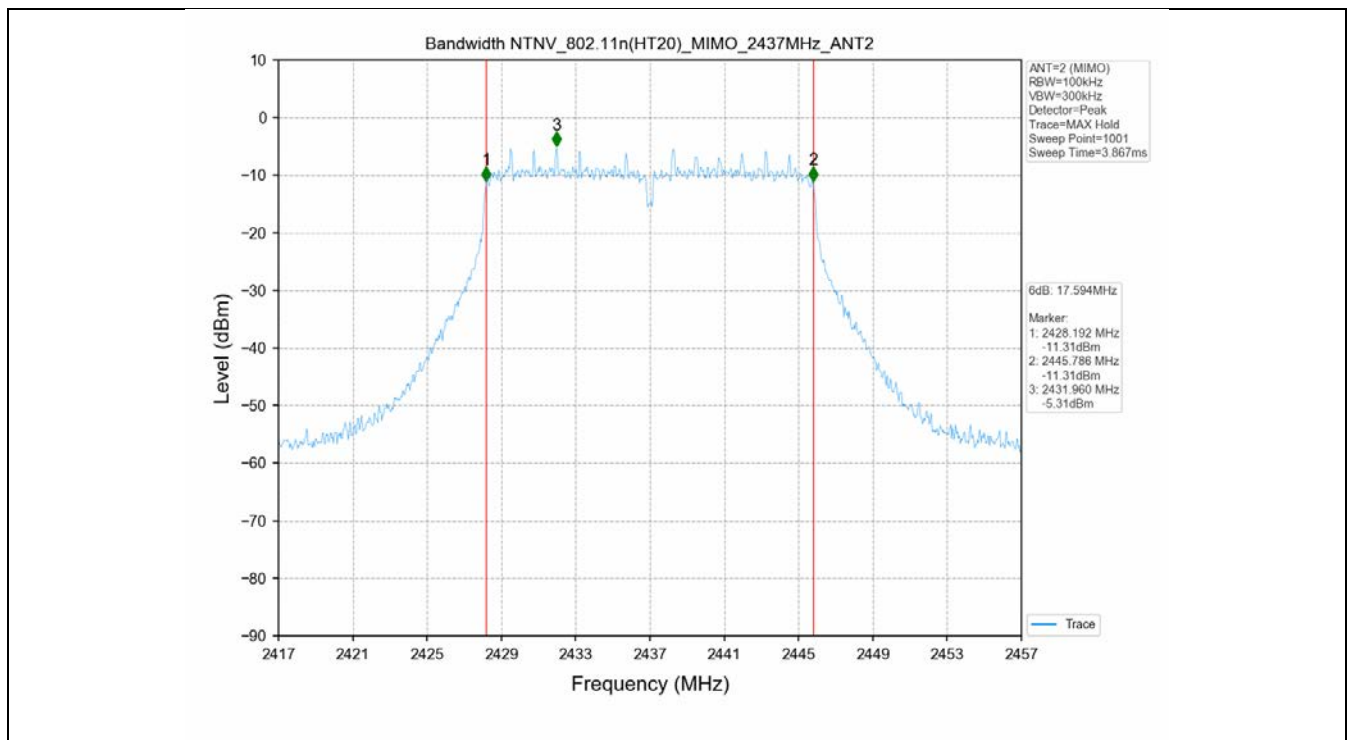
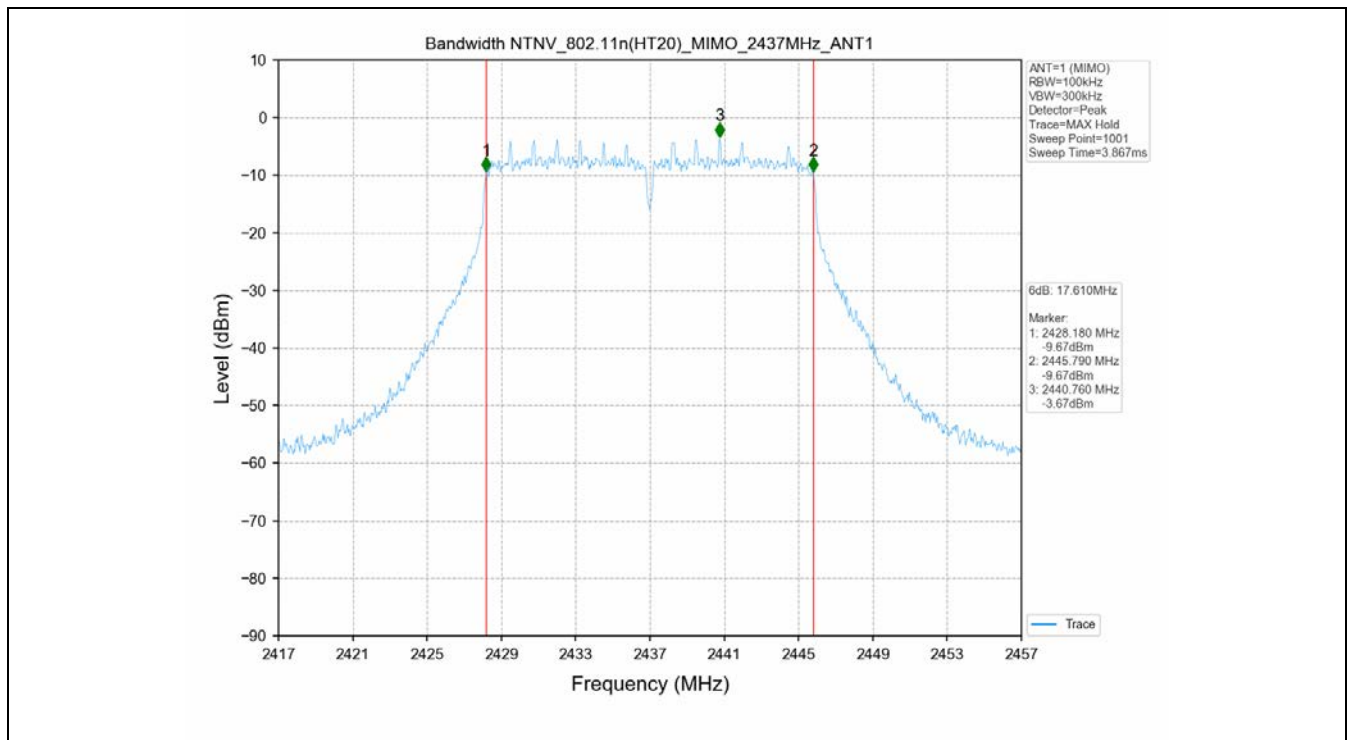


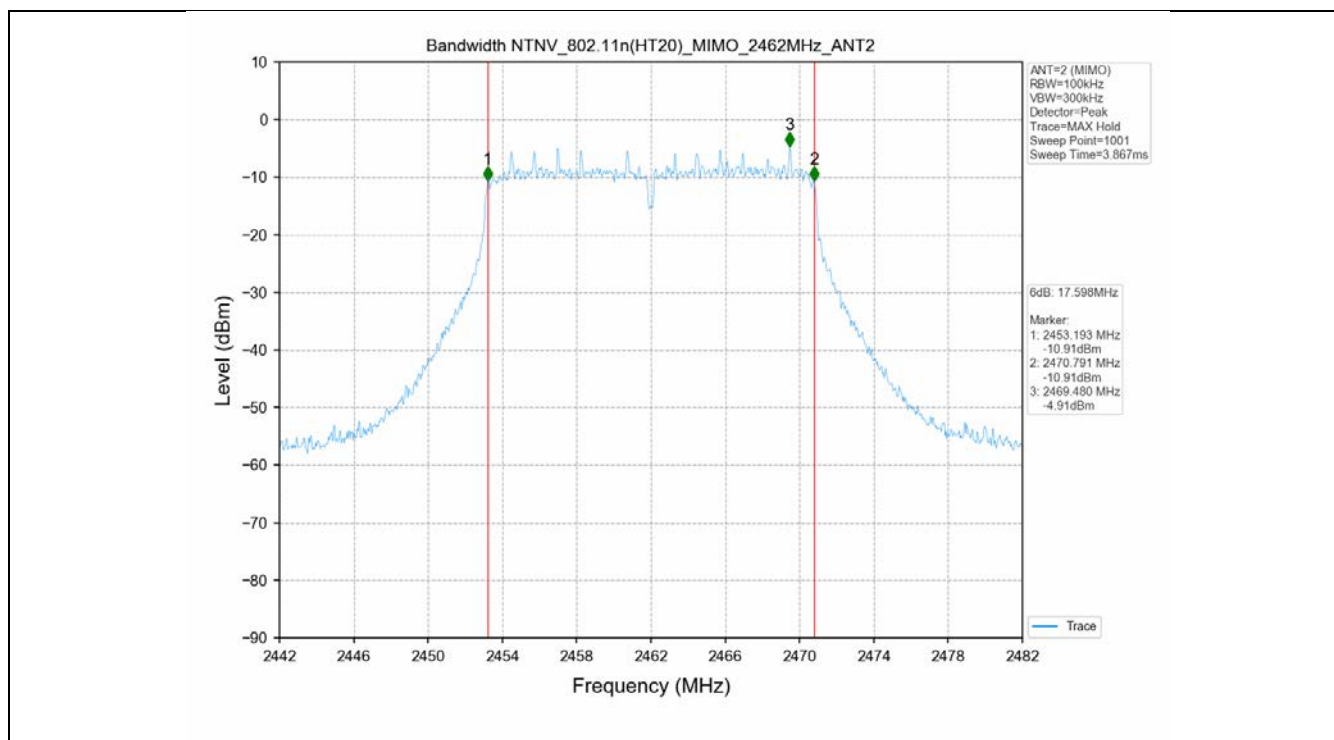
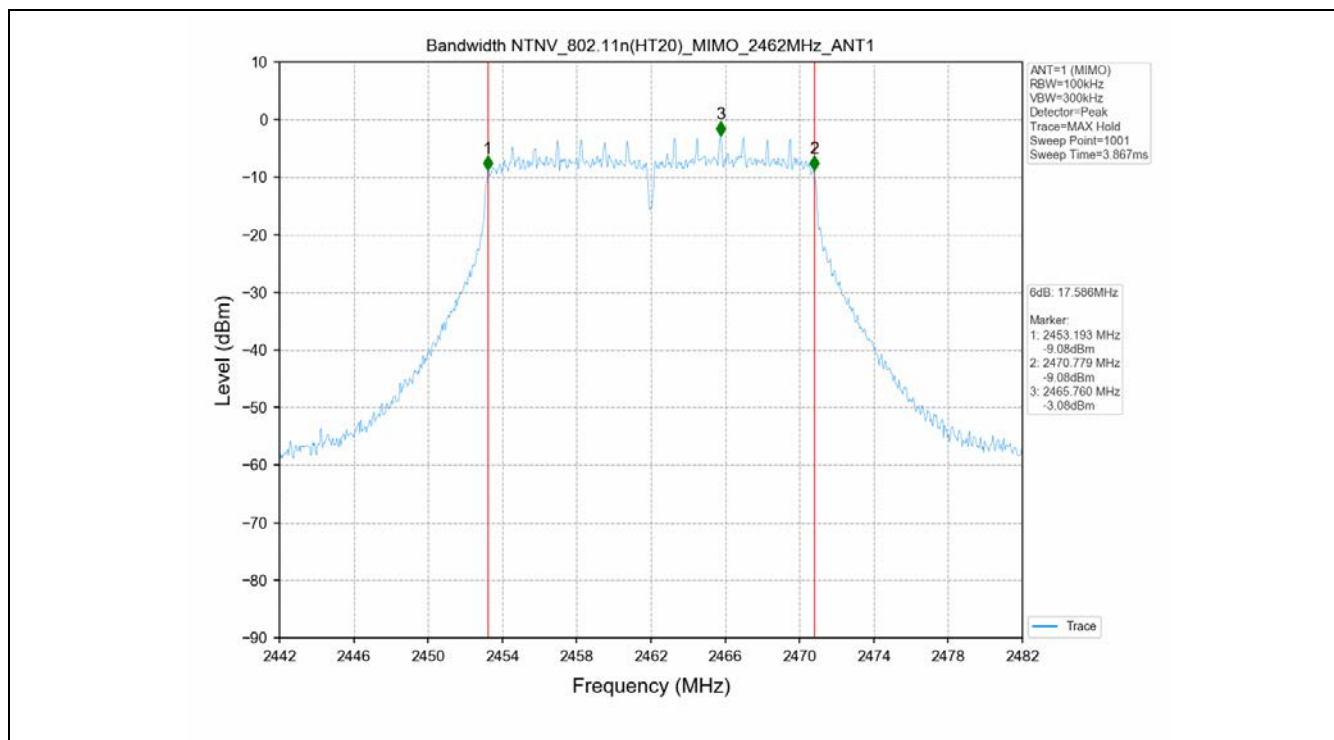


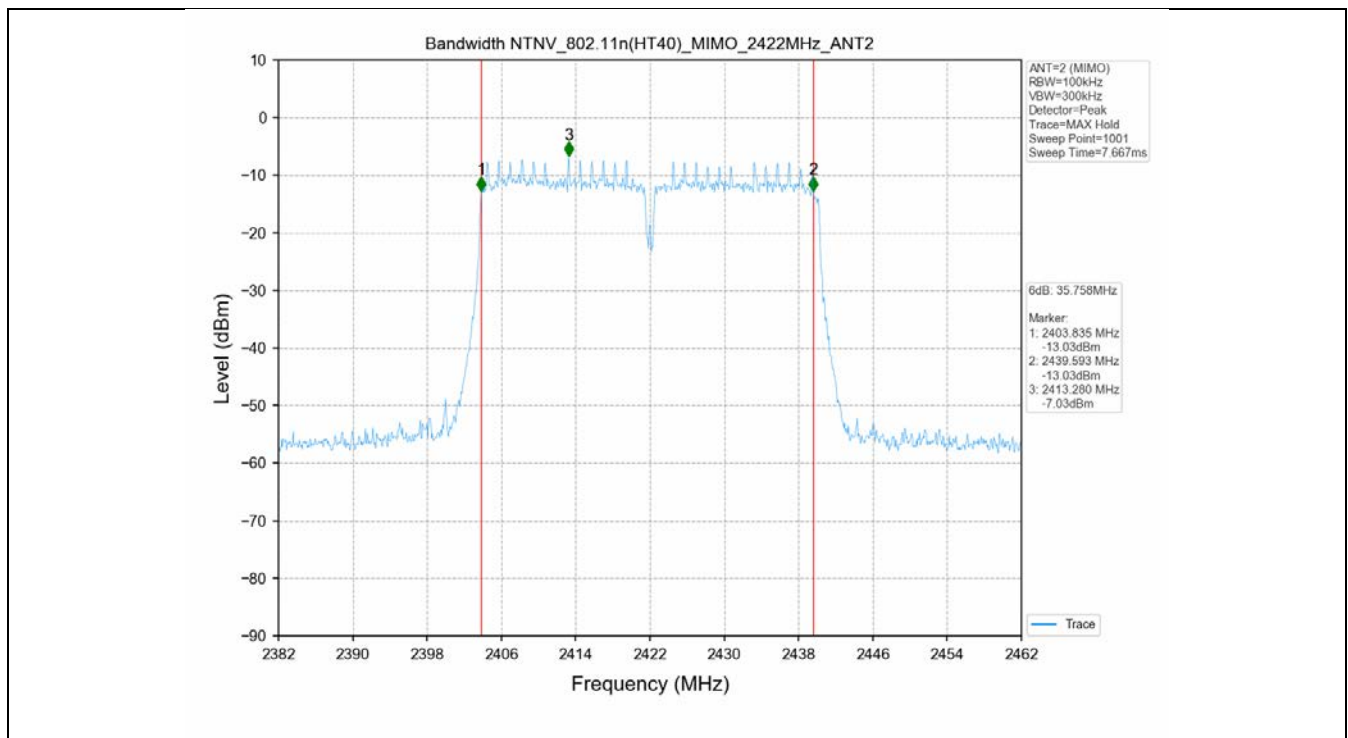
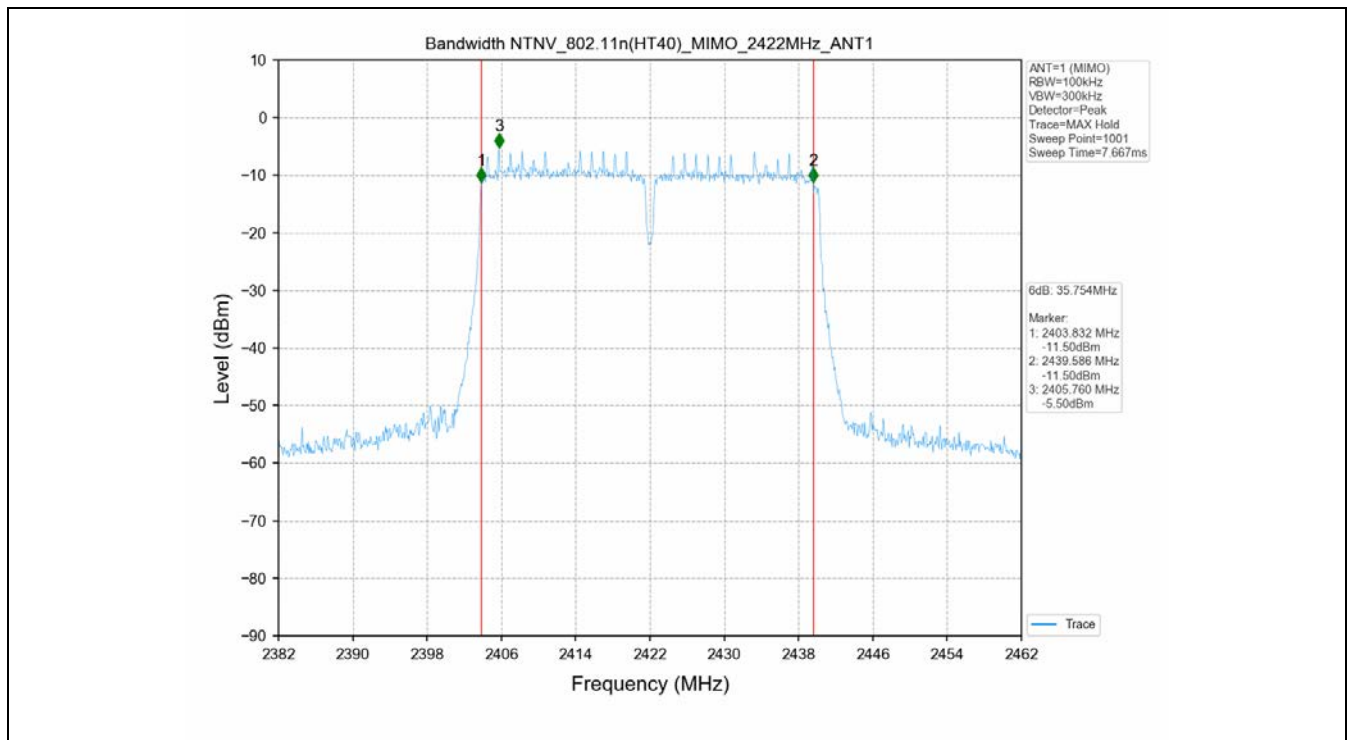


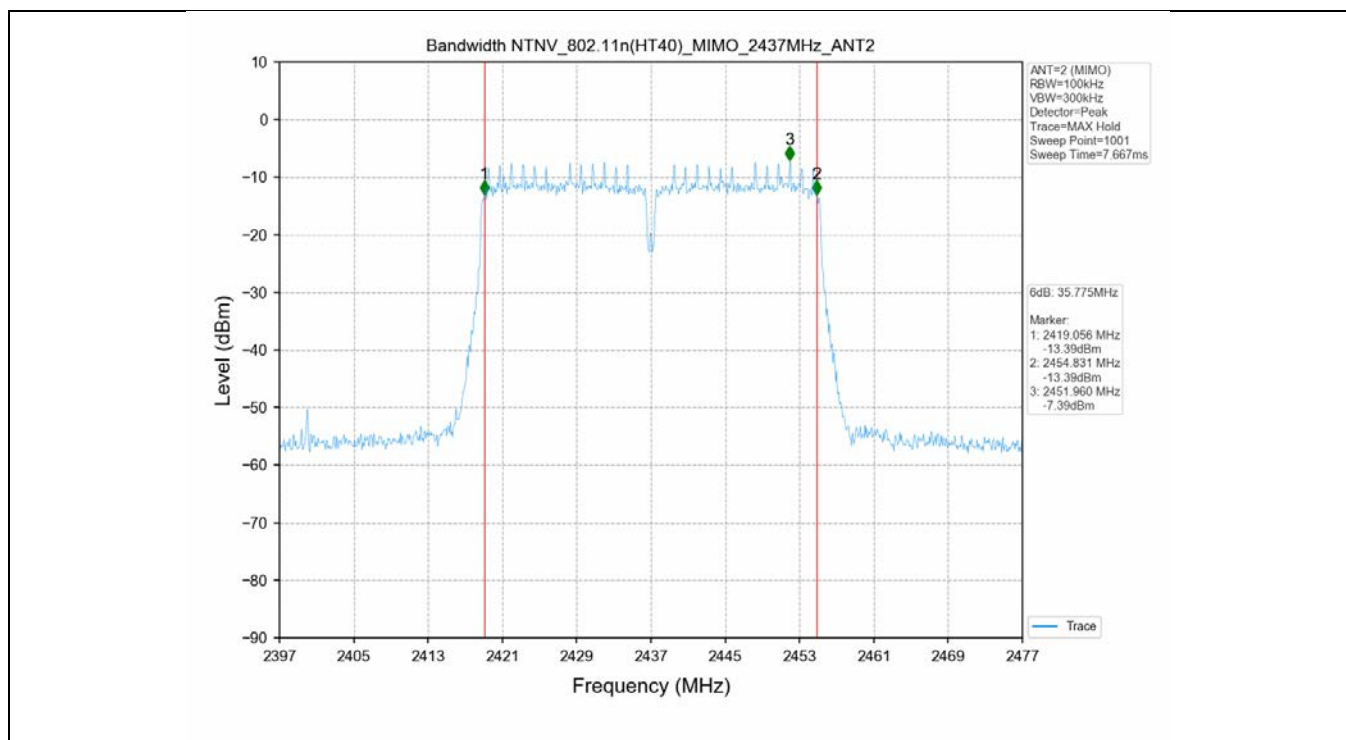
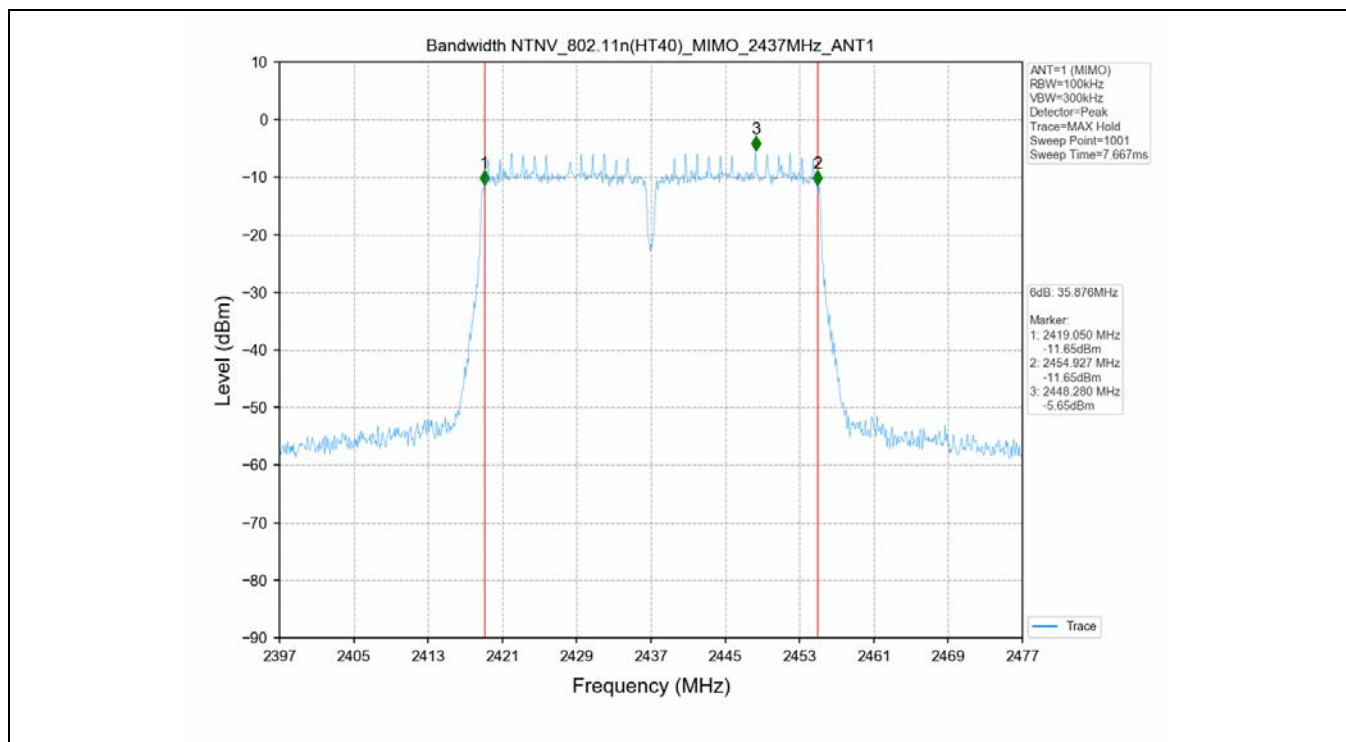


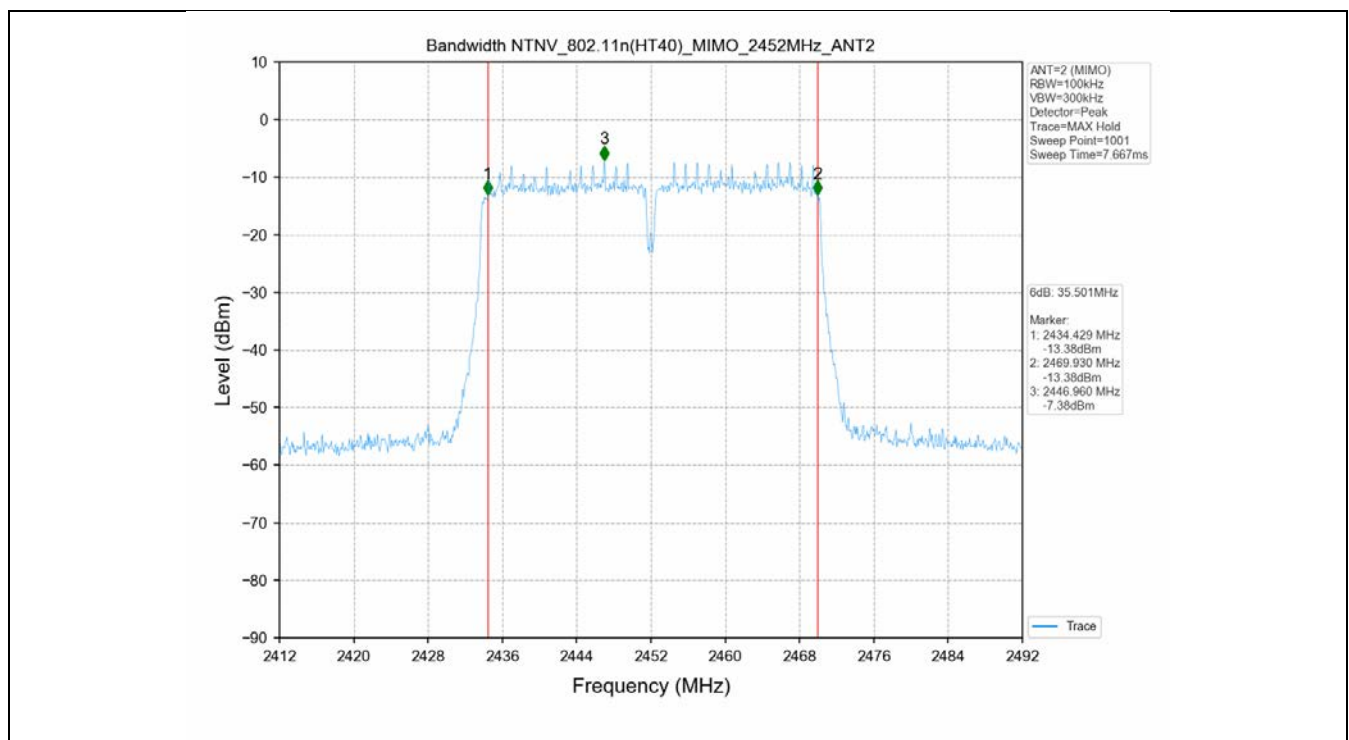
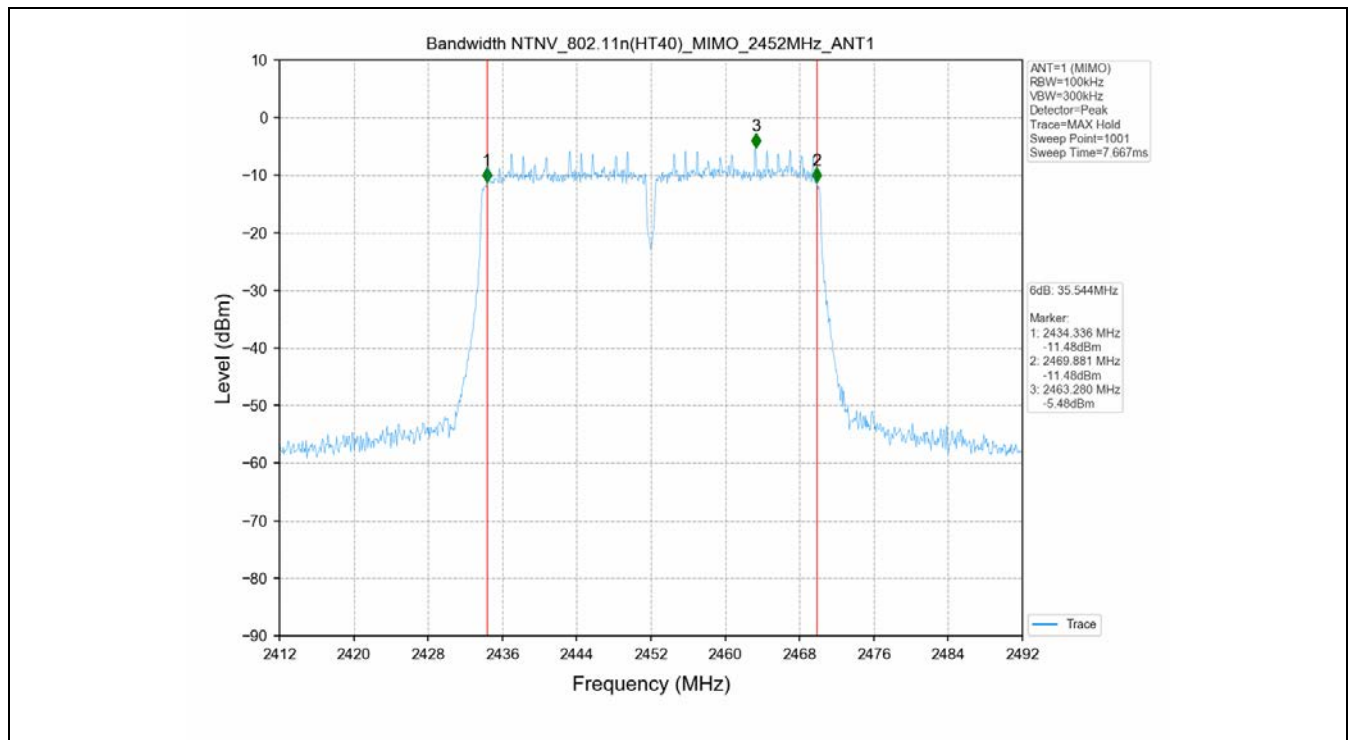




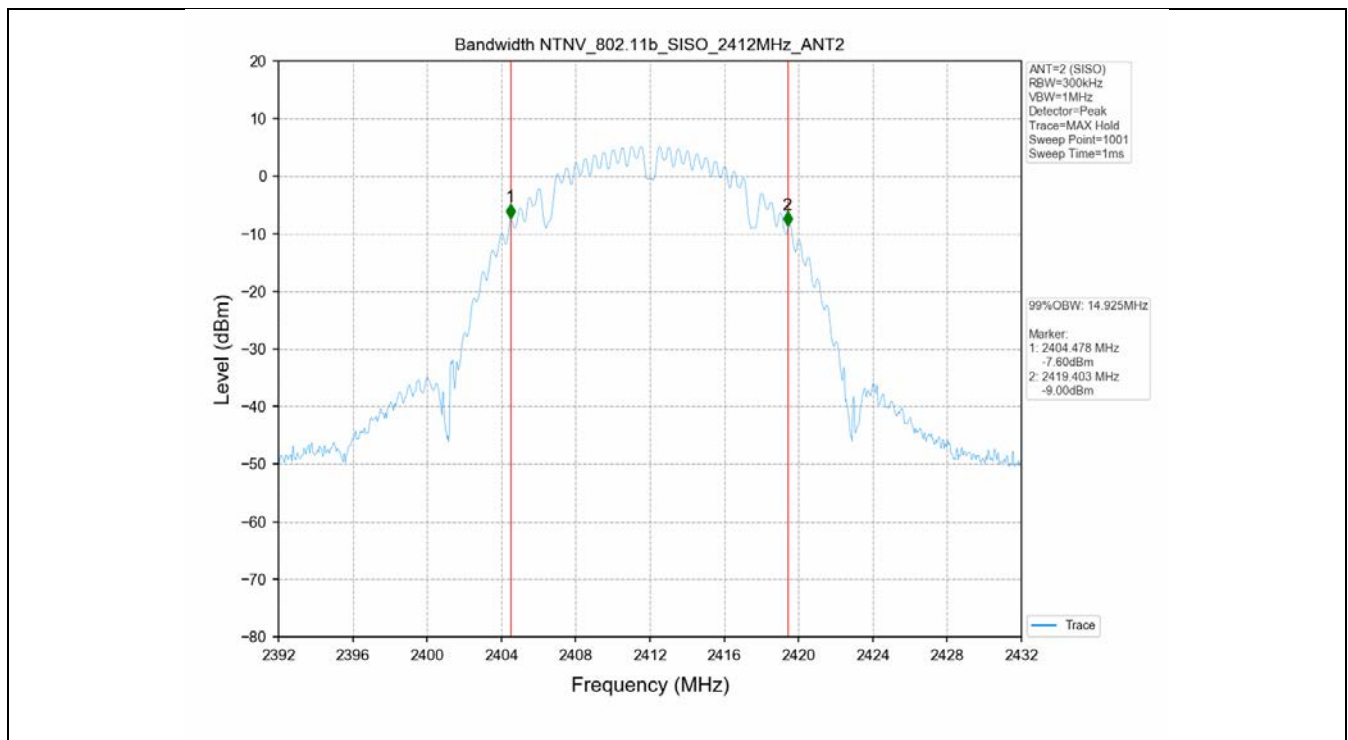
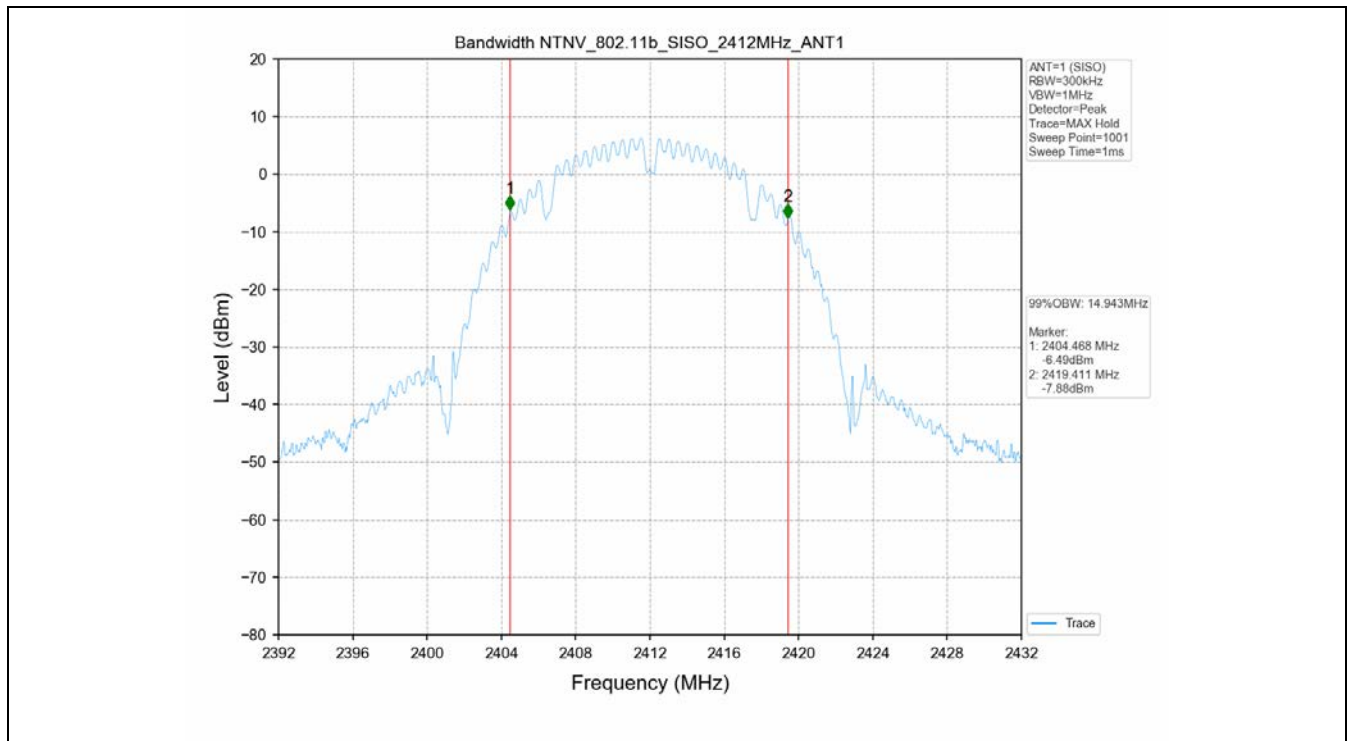


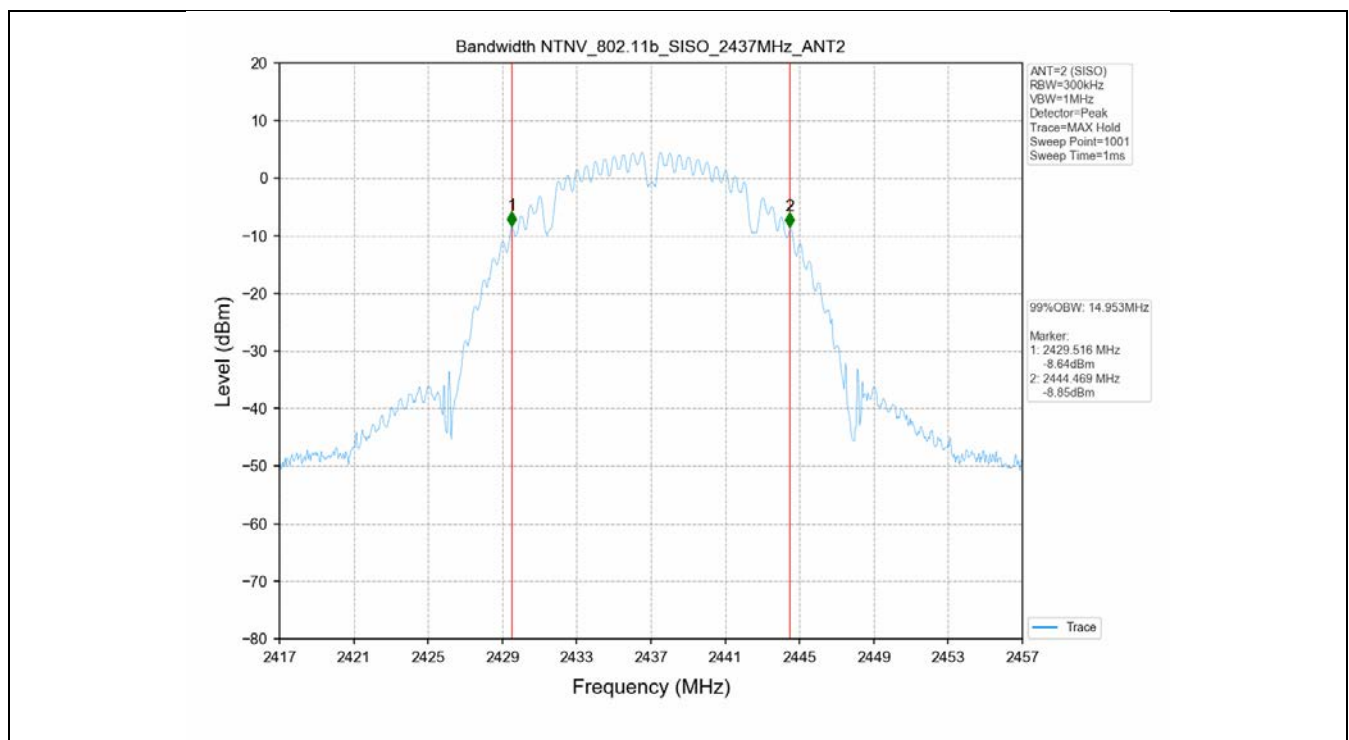
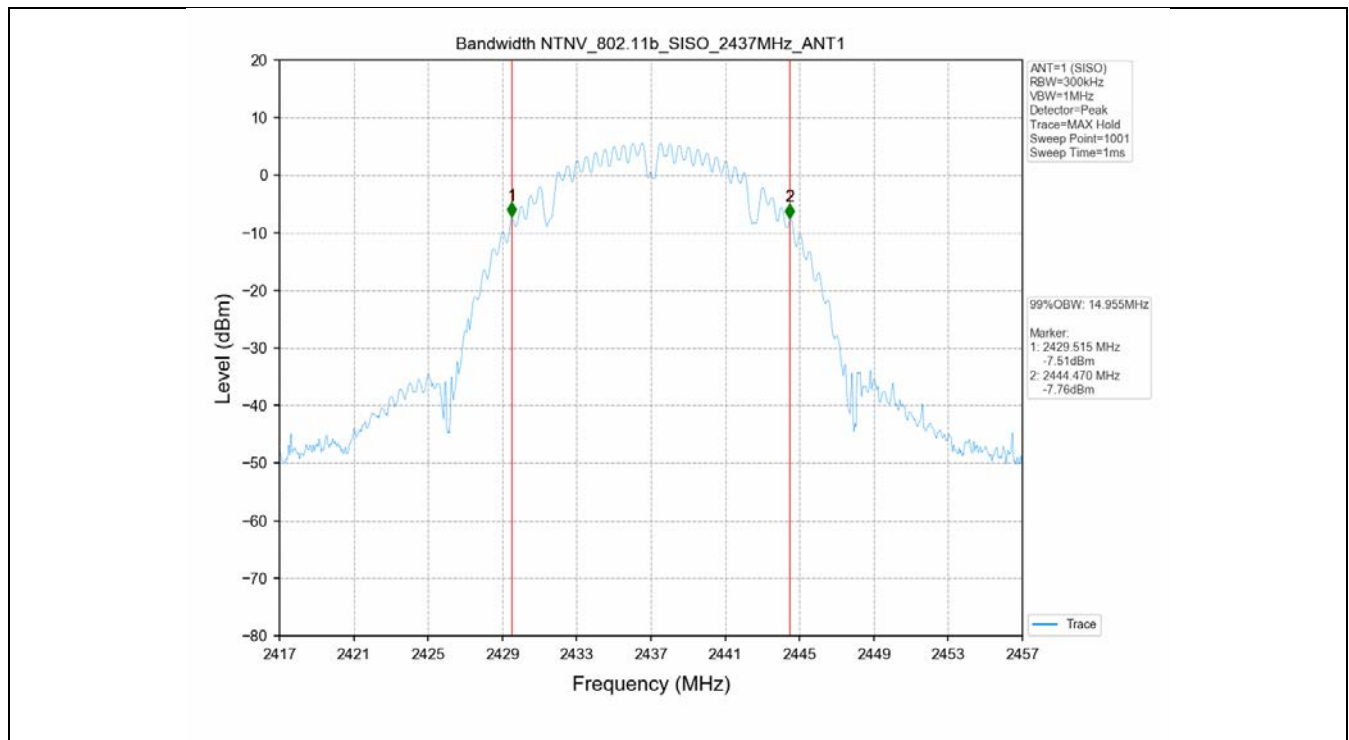


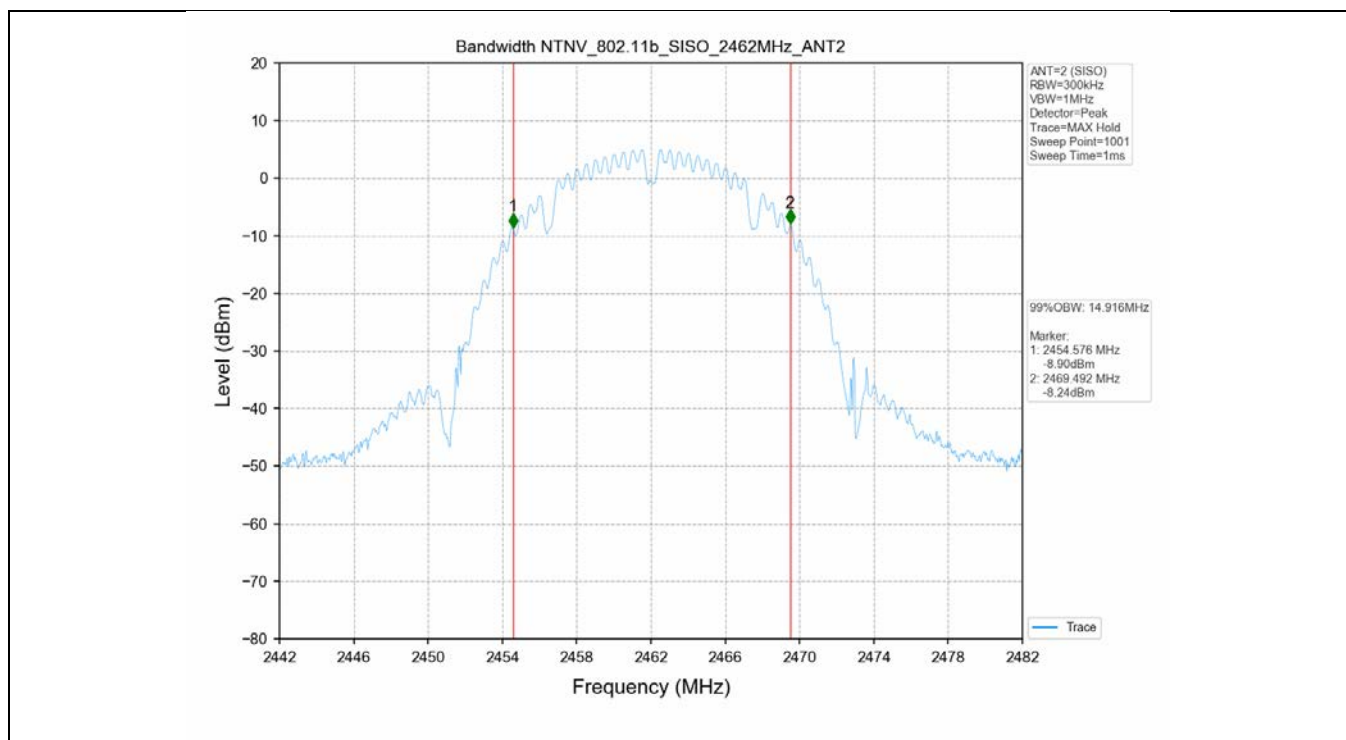
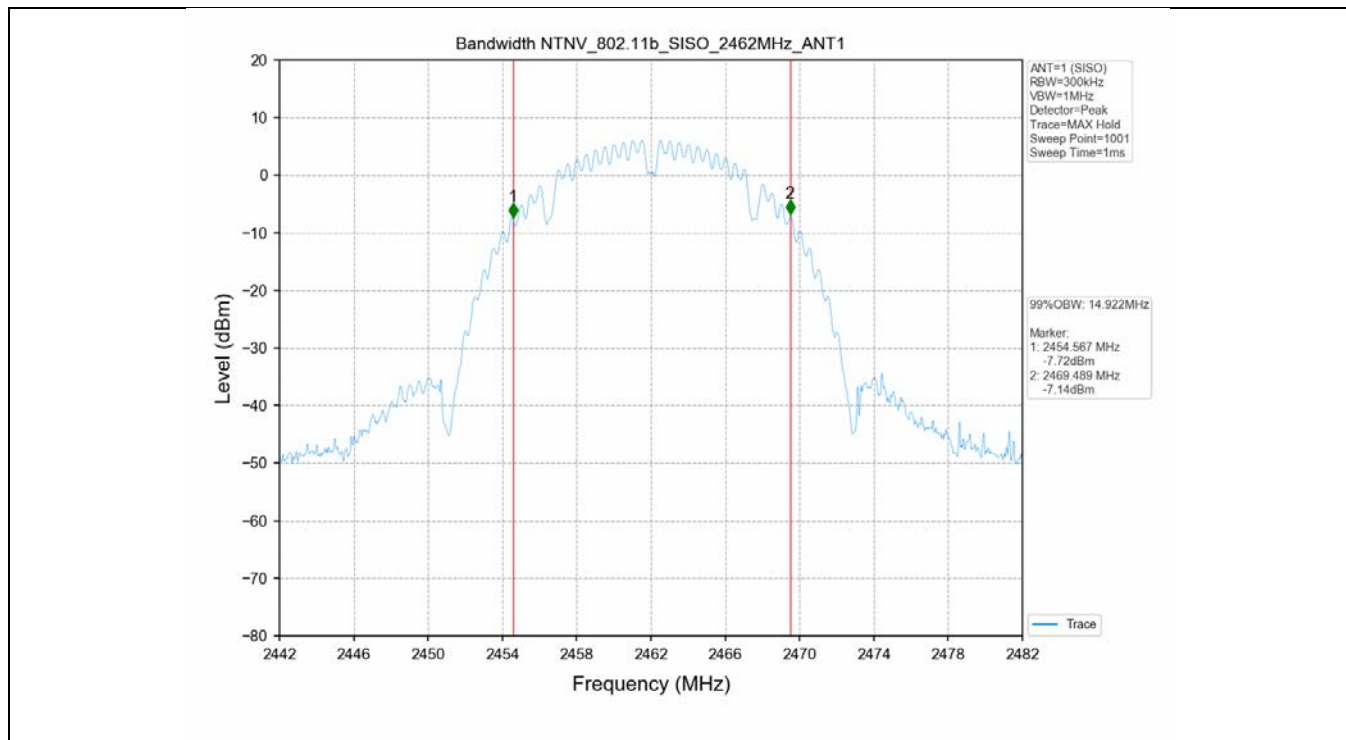


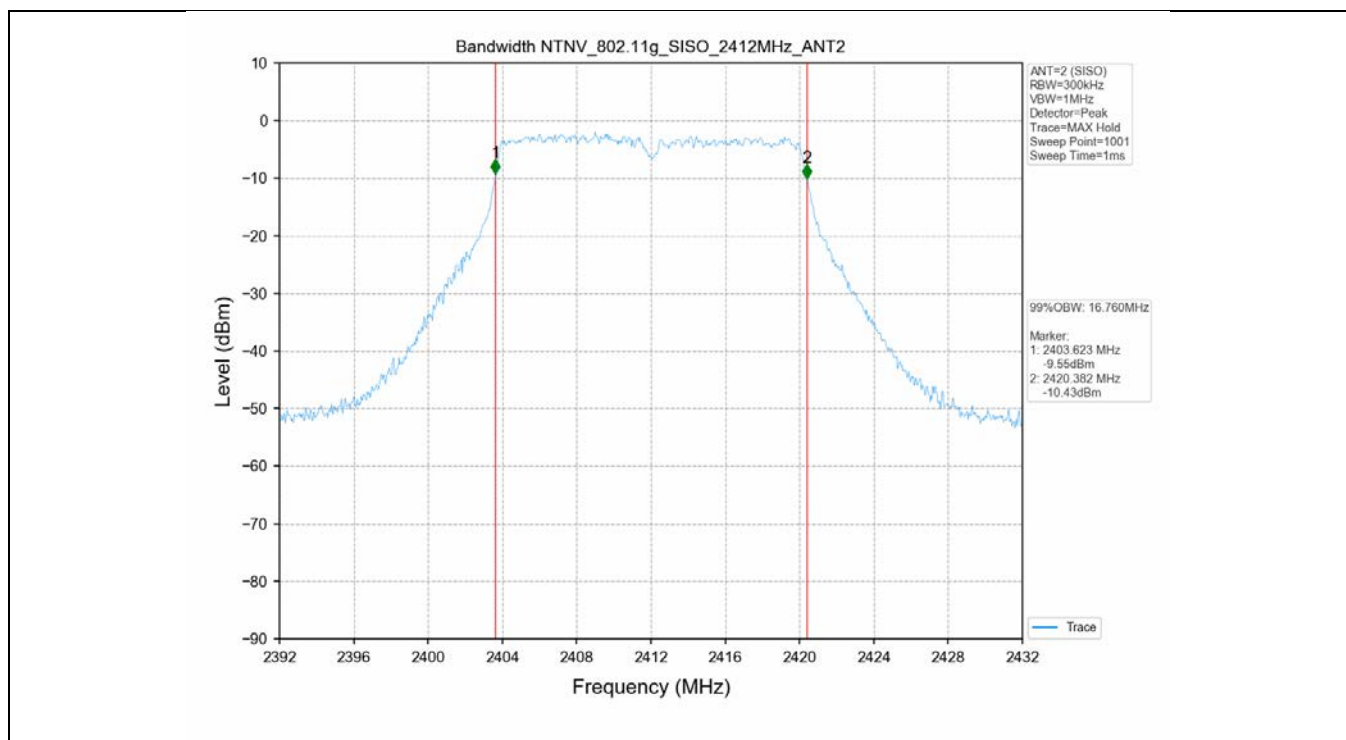
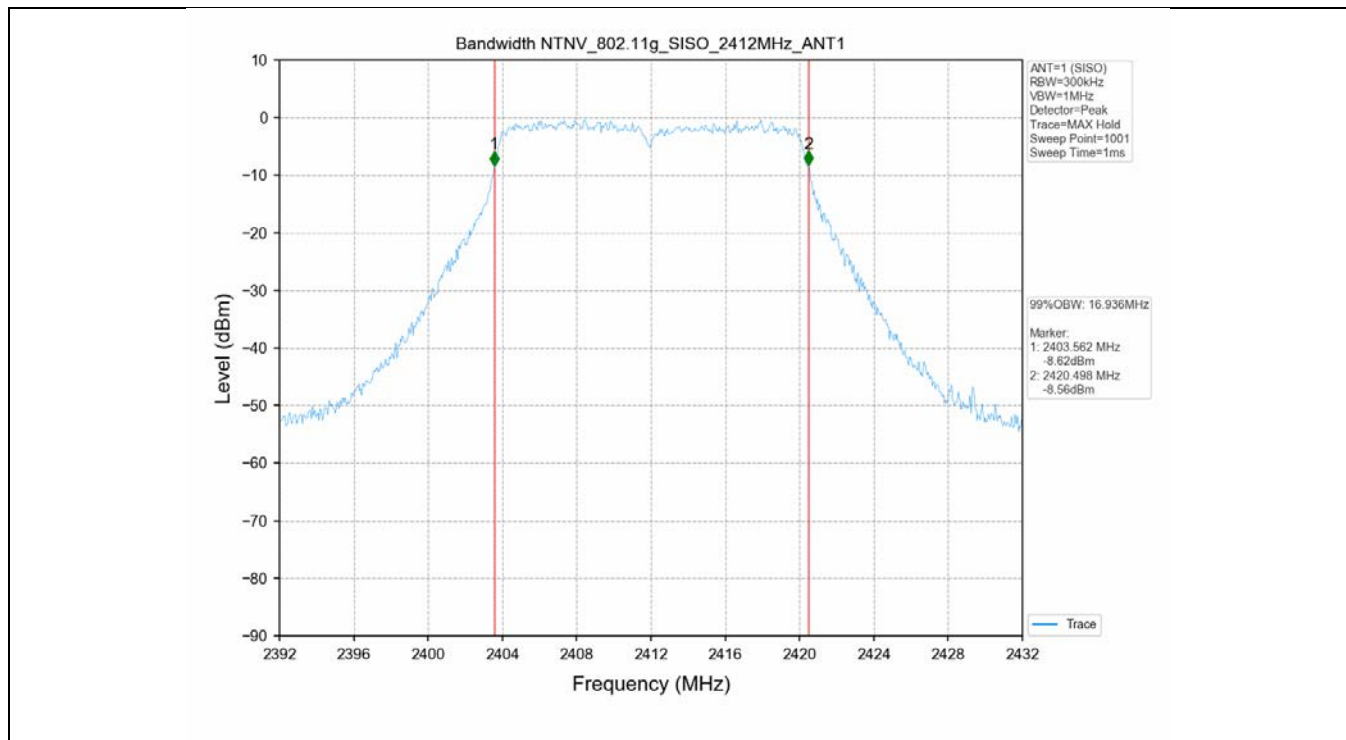


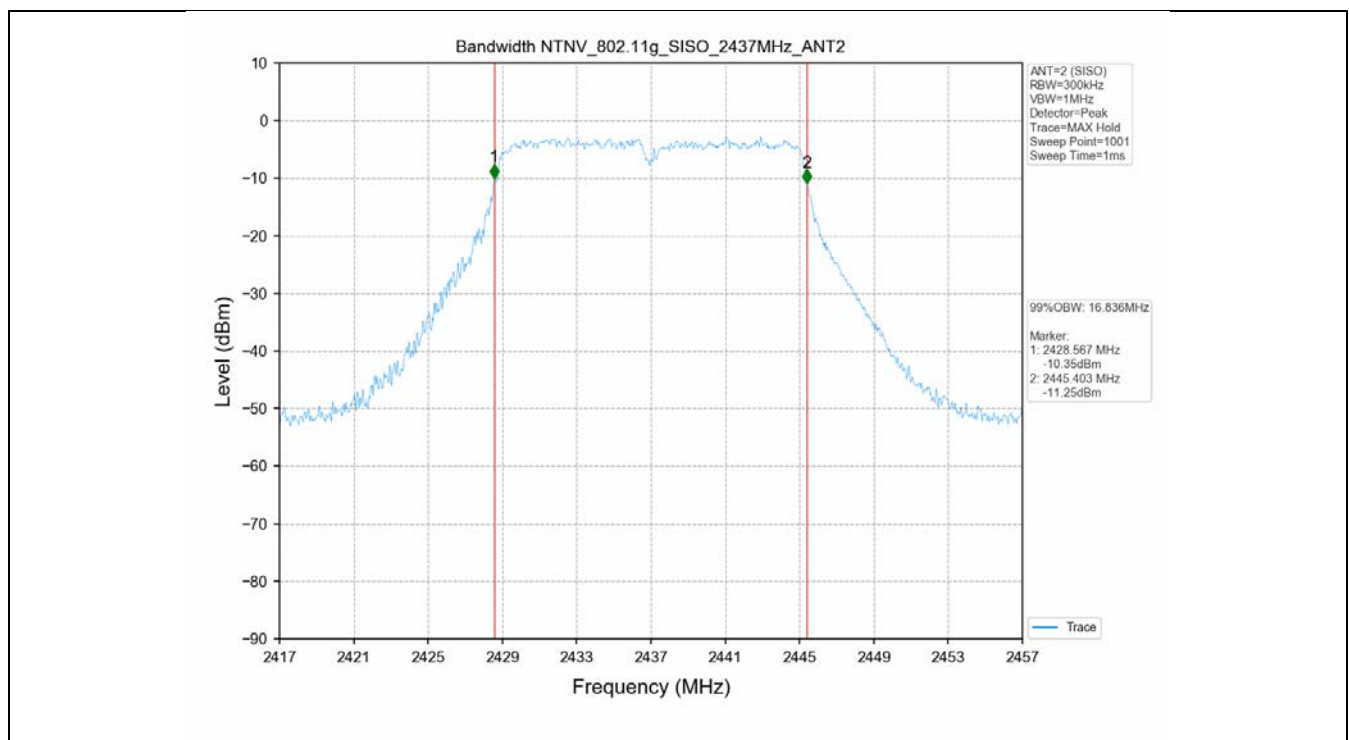
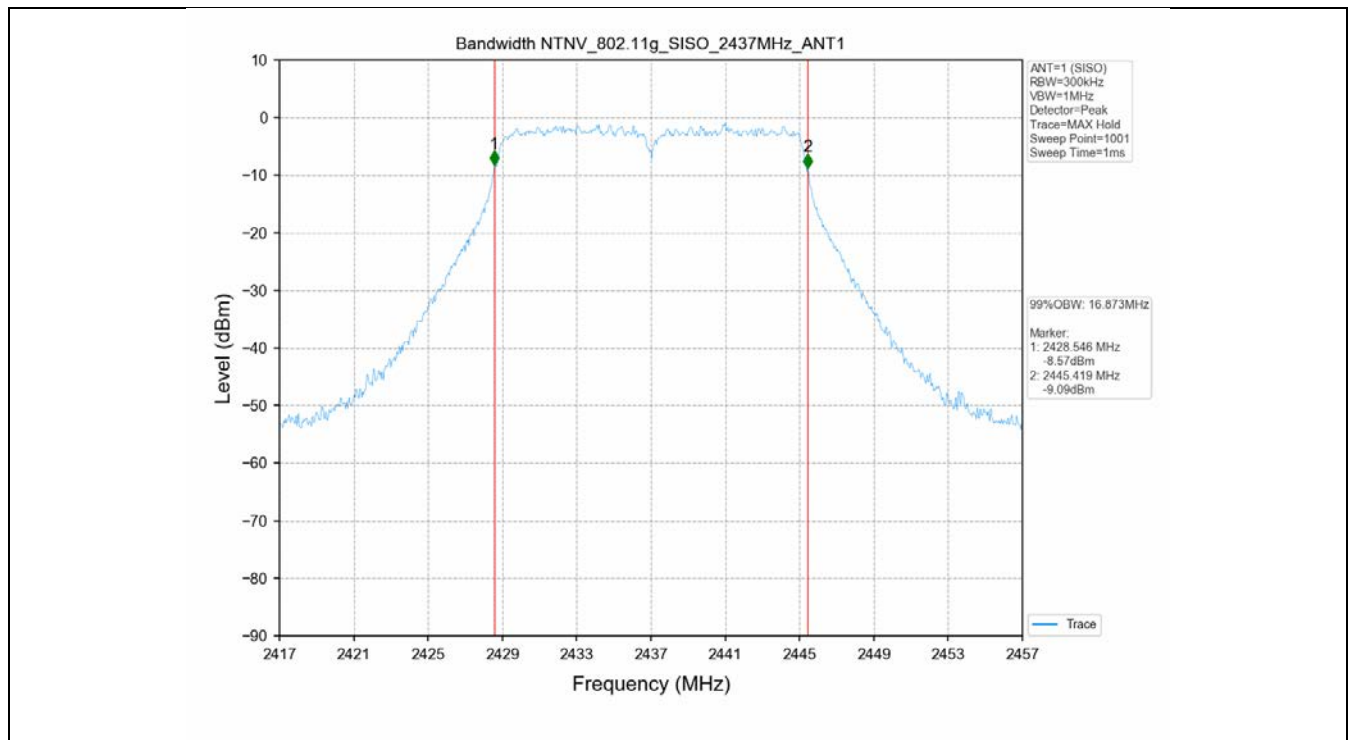
2.3 Test Graph - 99% Occupied Bandwidth

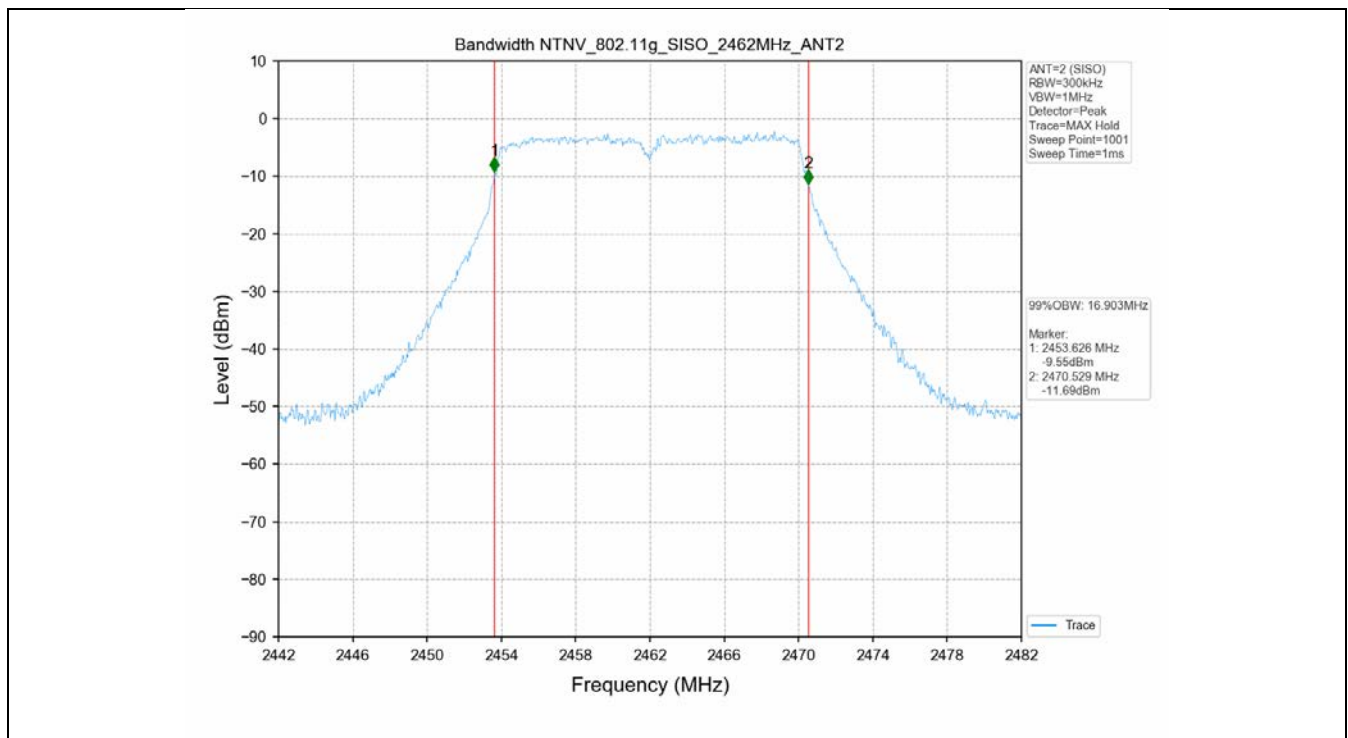
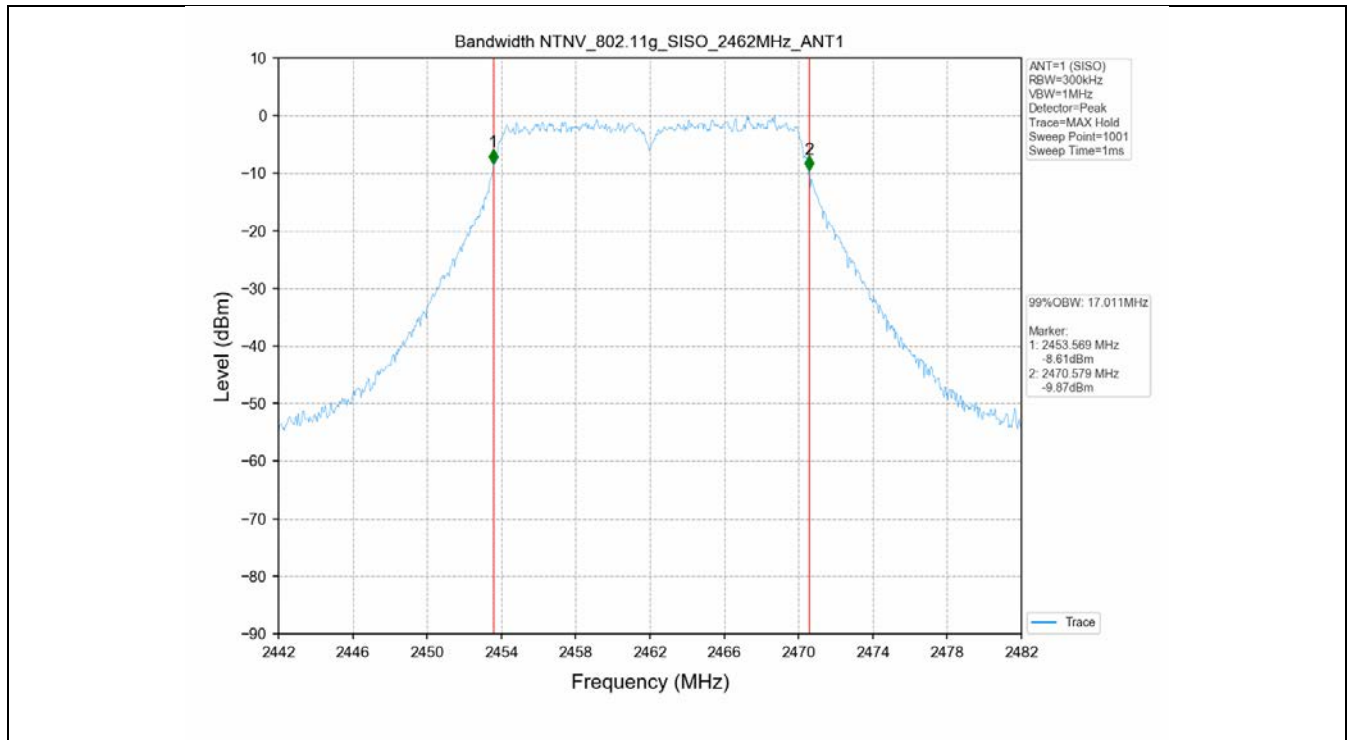


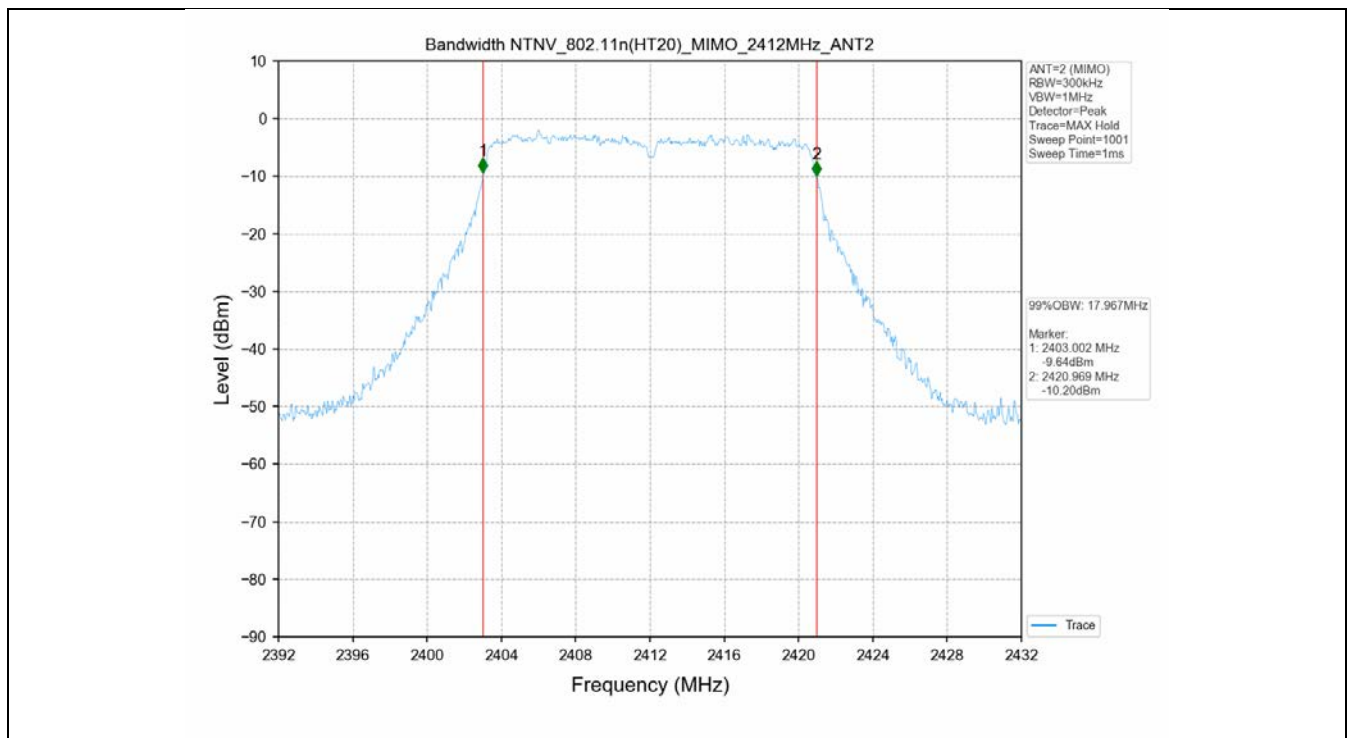
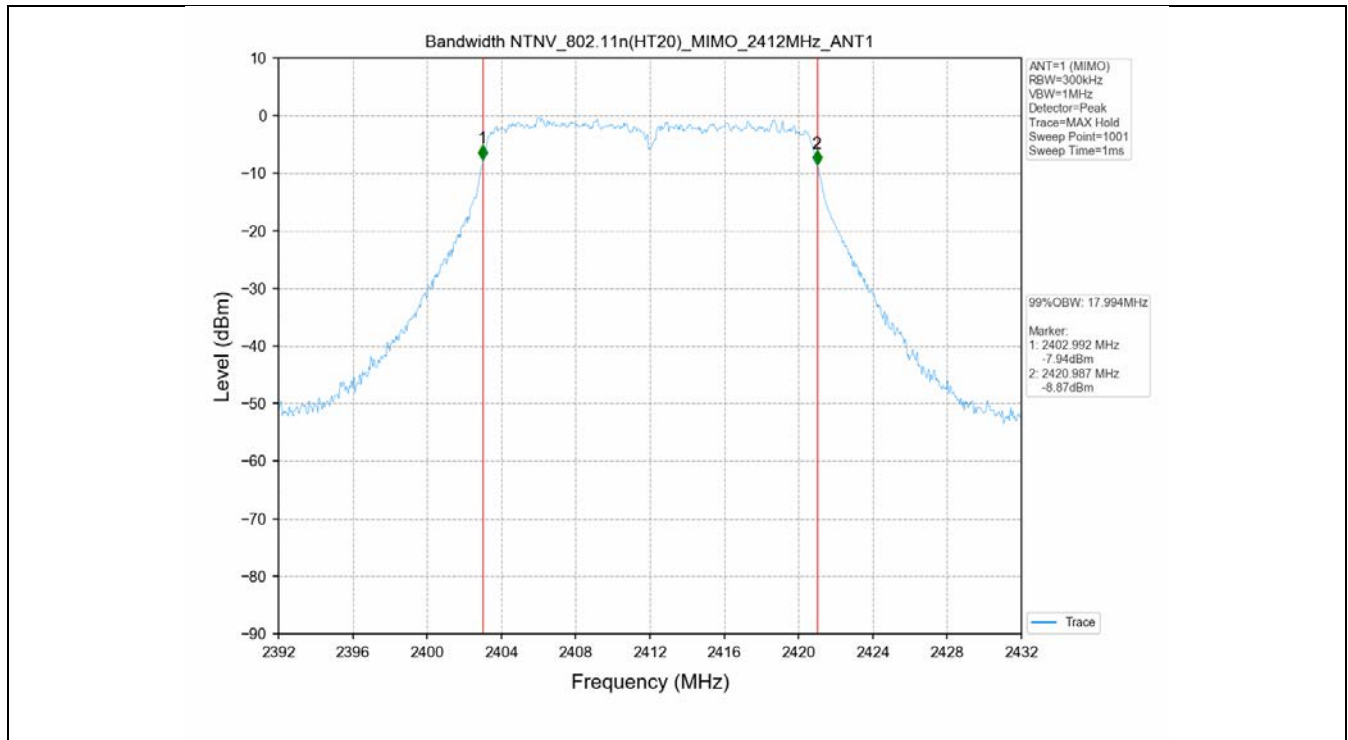


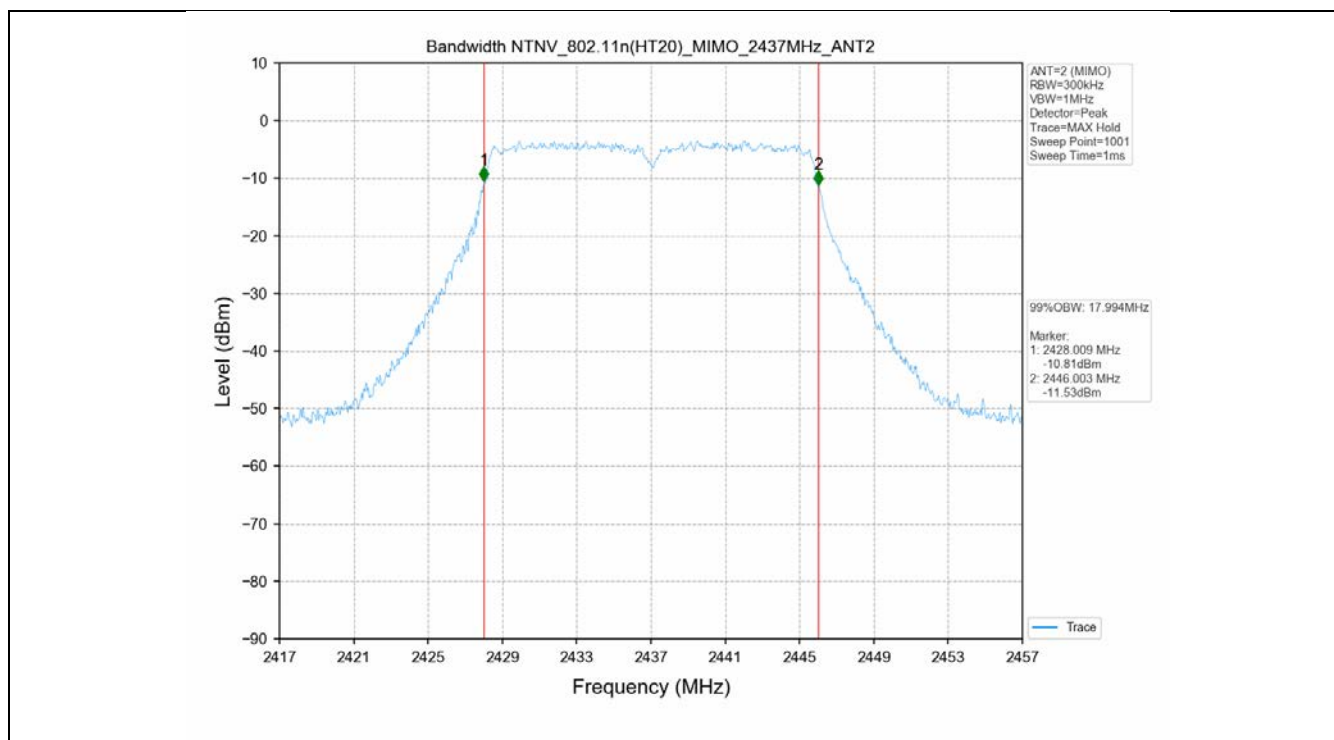
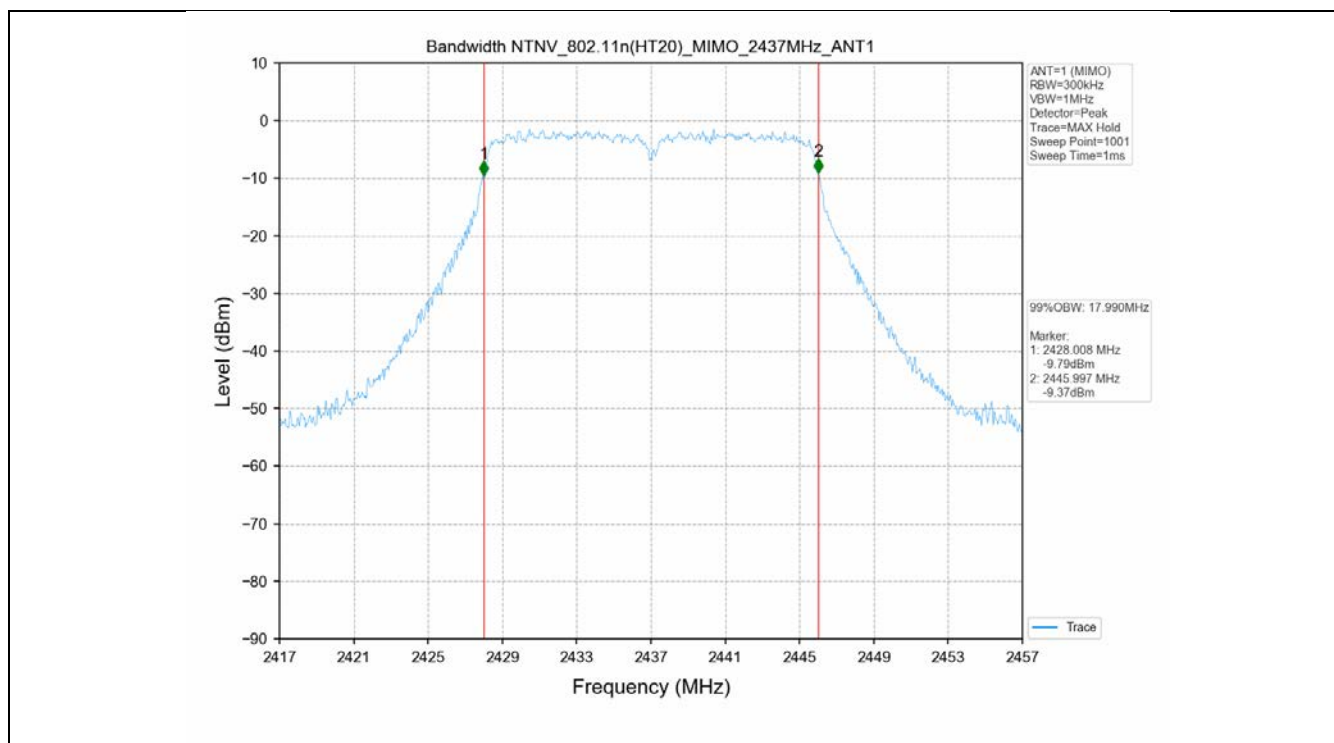


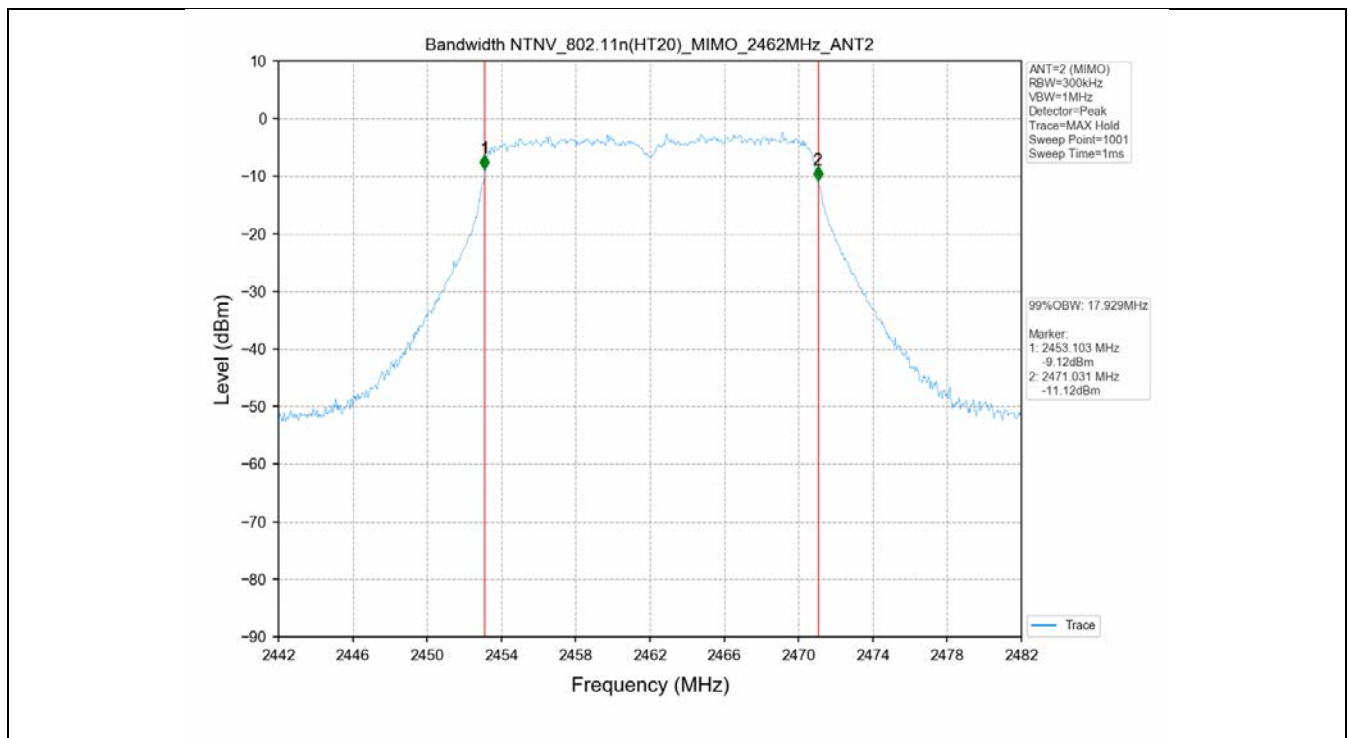
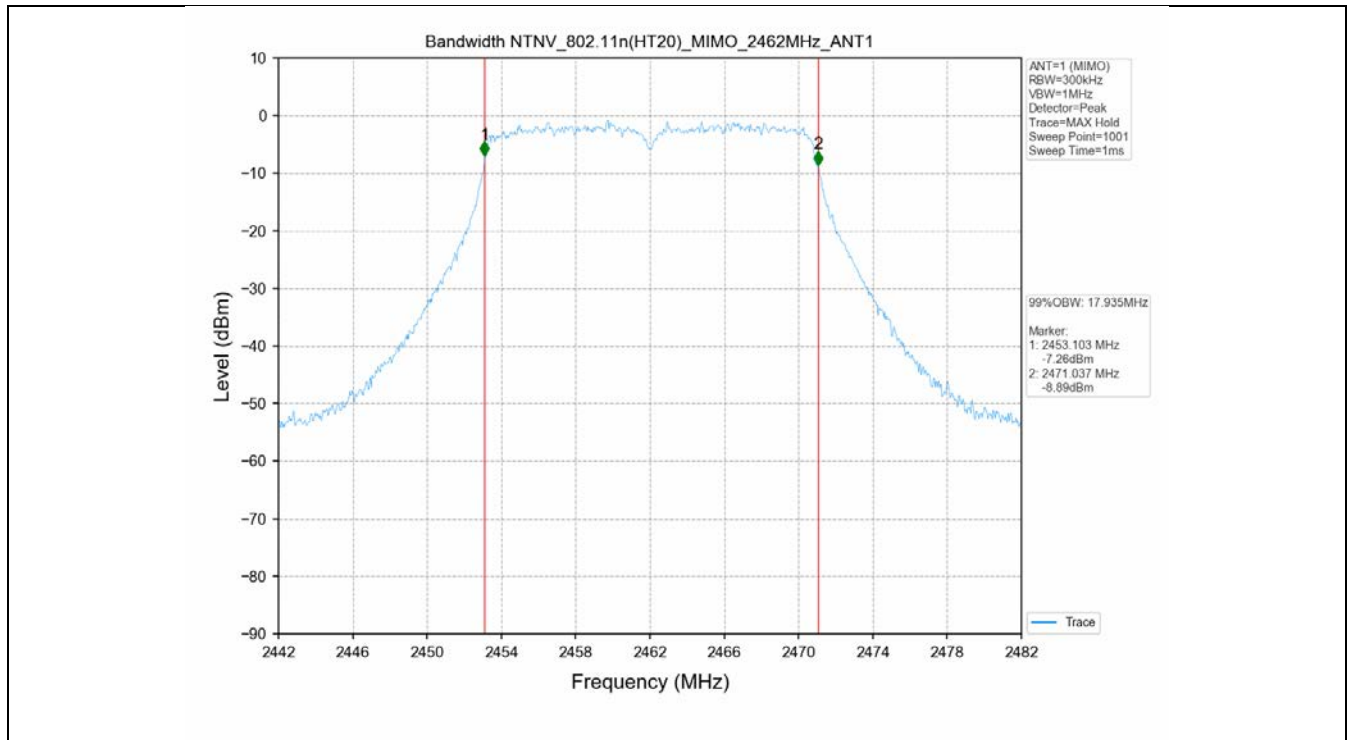


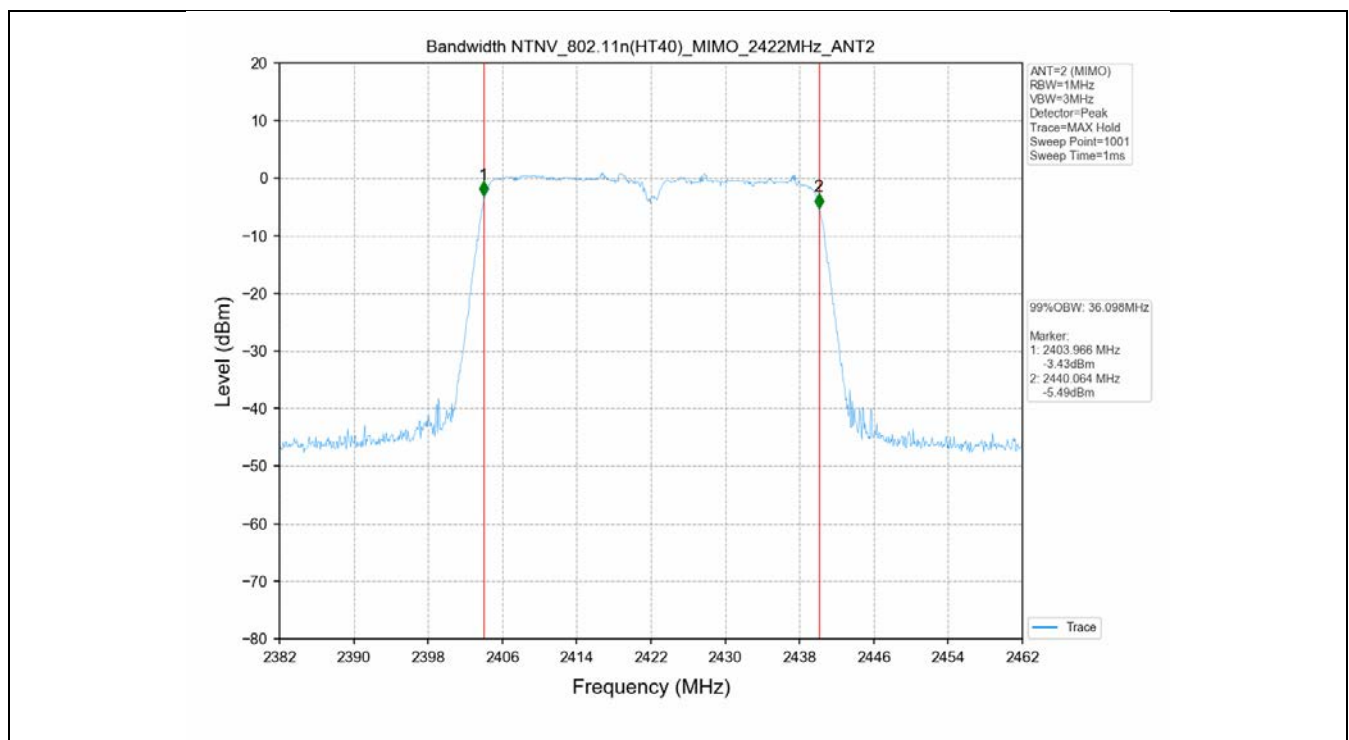
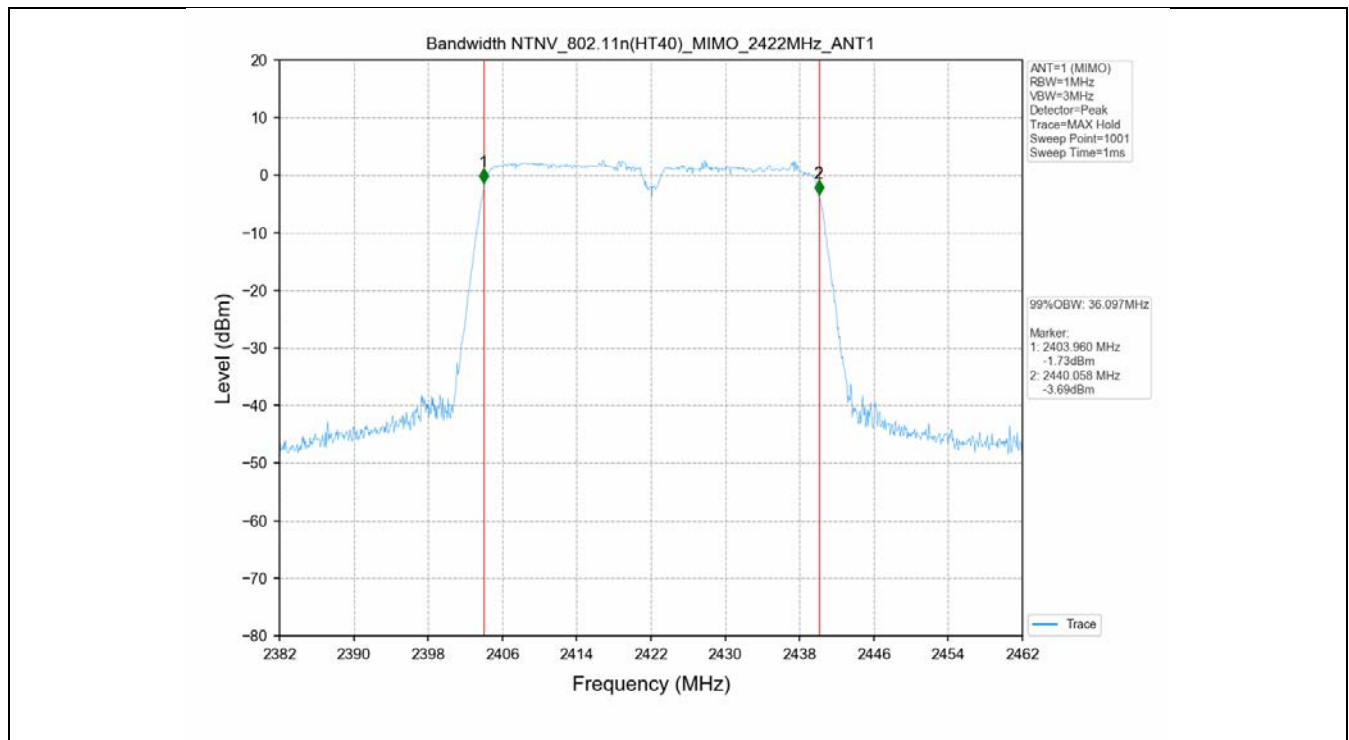


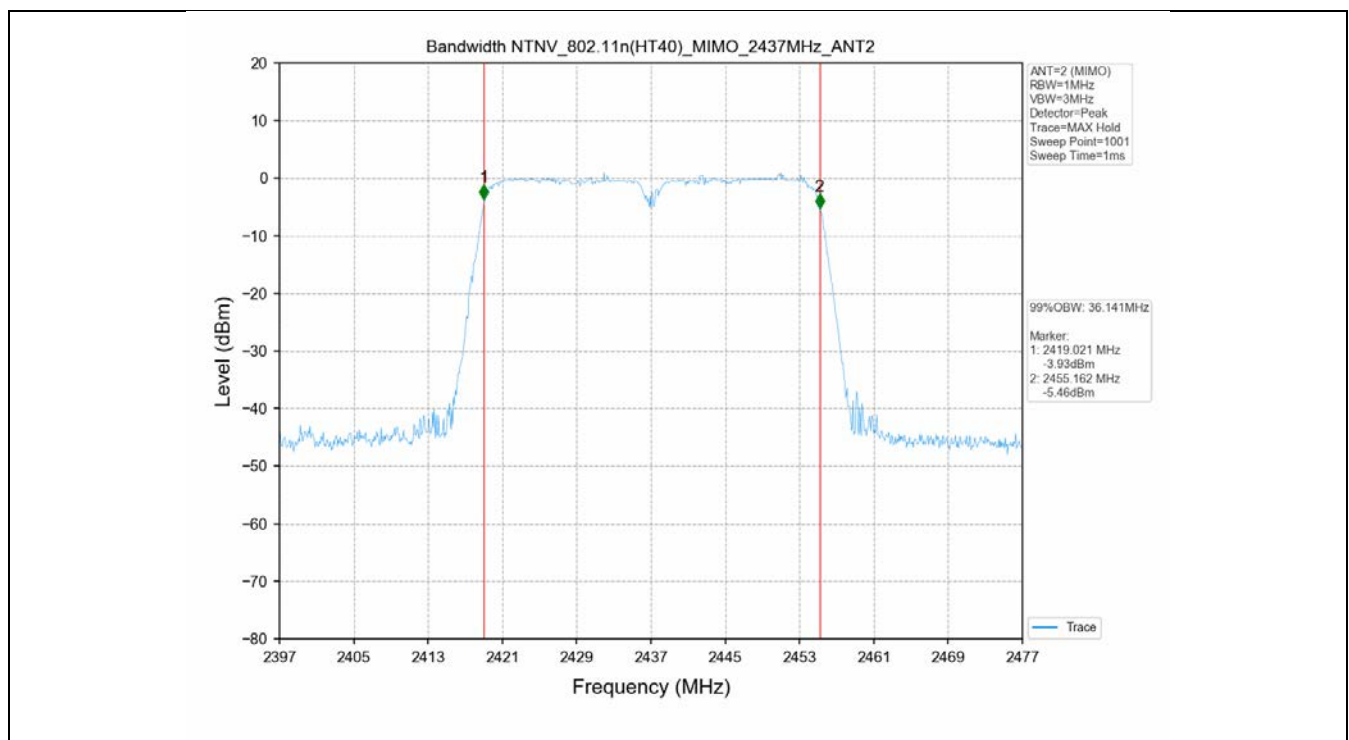
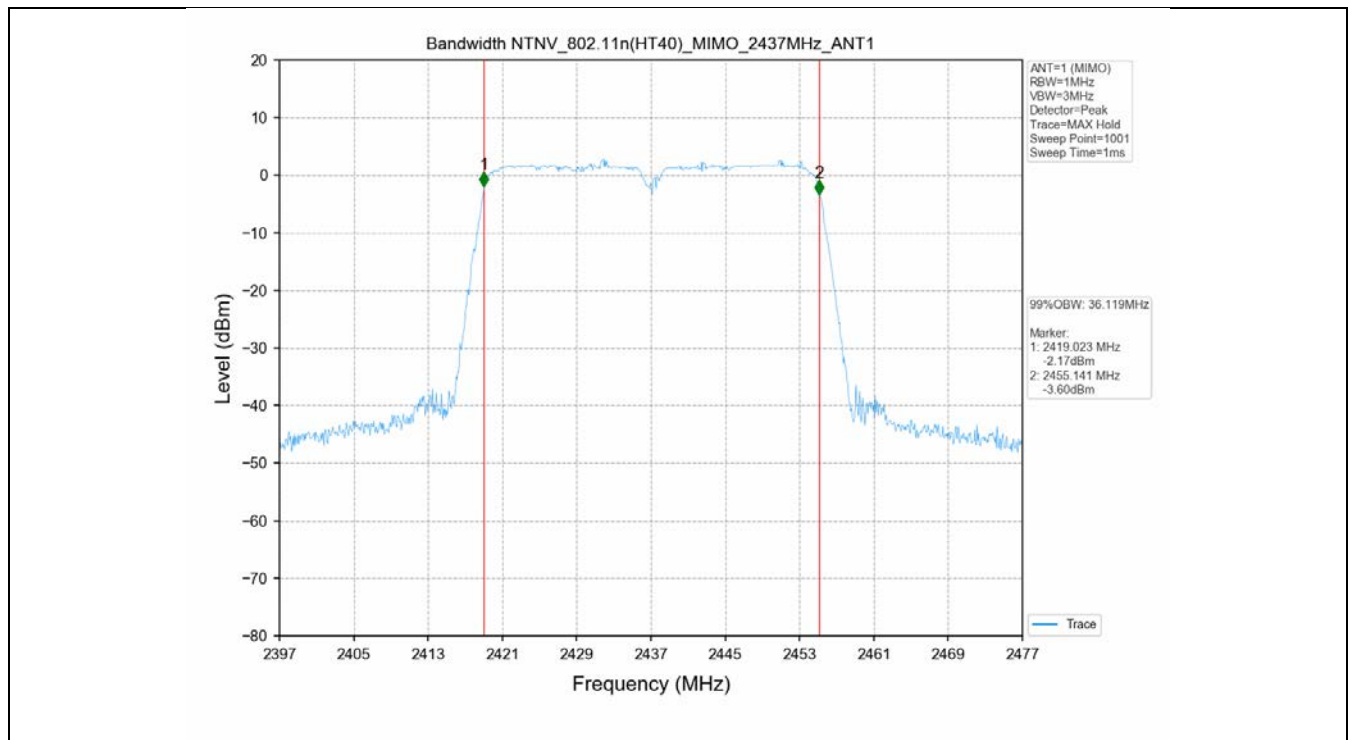


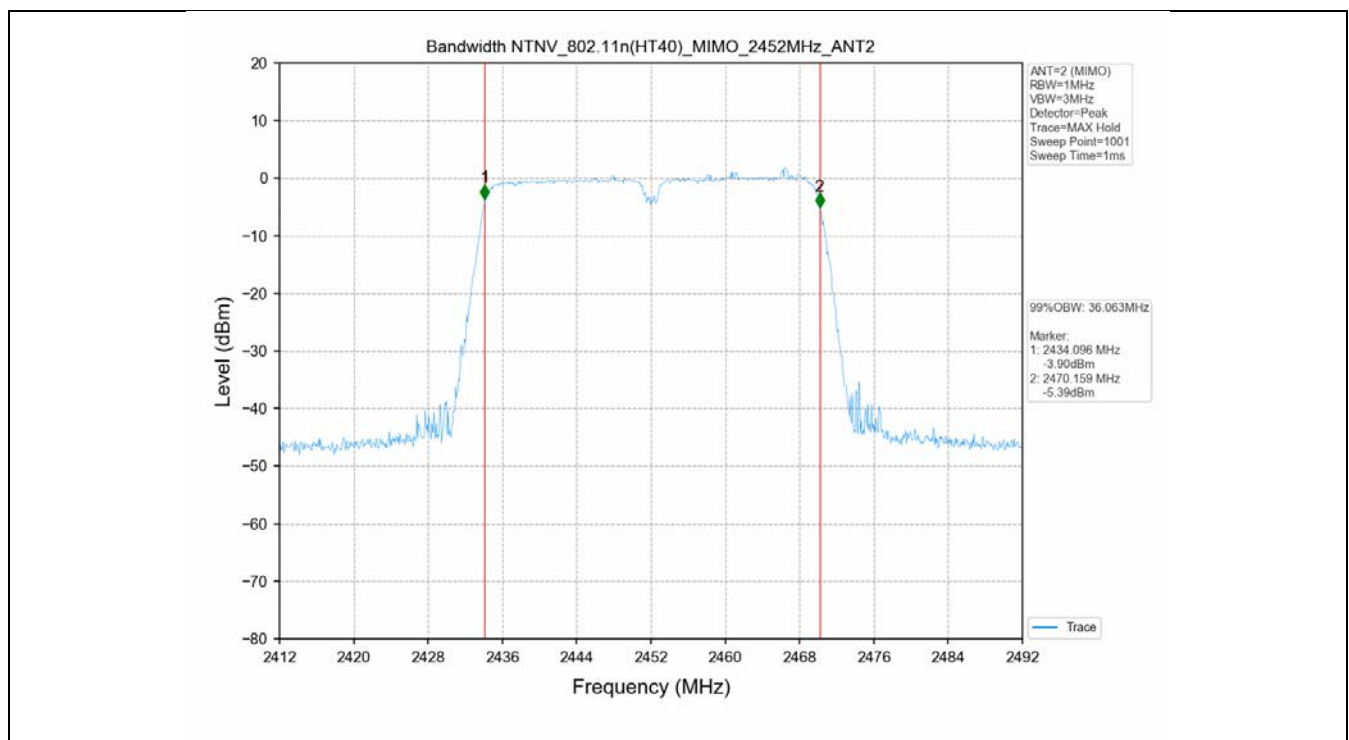
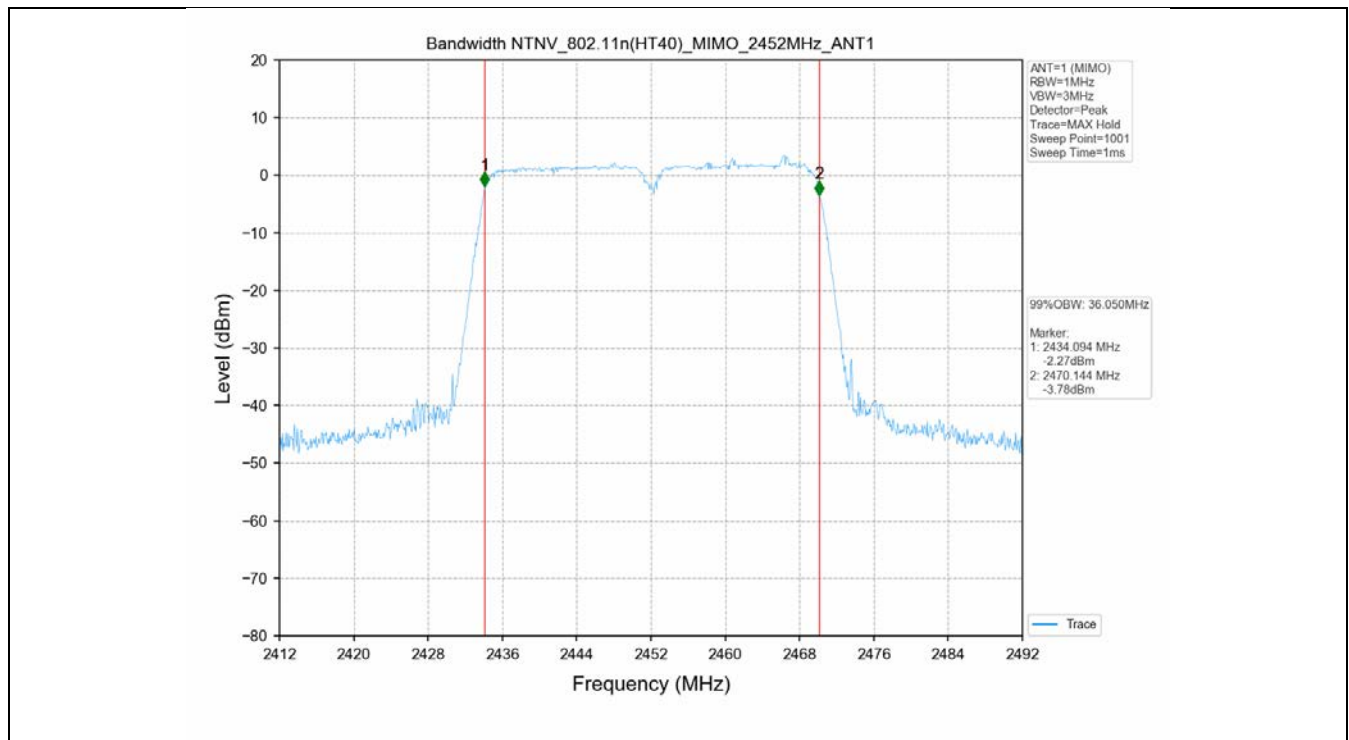














3. Maximum Conducted Output Power

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	17.53	16.49	/	30	PASS
	2437	SISO	16.87	15.78	/	30	PASS
	2462	SISO	17.35	16.26	/	30	PASS
802.11g	2412	SISO	16.13	14.54	/	30	PASS
	2437	SISO	15.45	13.76	/	30	PASS
	2462	SISO	15.86	14.15	/	30	PASS
802.11n(HT20)	2412	MIMO	16.08	14.46	18.36	30	PASS
	2437	MIMO	15.43	13.72	17.67	30	PASS
	2462	MIMO	15.90	14.21	18.15	30	PASS
802.11n(HT40)	2422	MIMO	16.36	14.68	18.61	30	PASS
	2437	MIMO	16.37	14.59	18.58	30	PASS
	2452	MIMO	16.35	14.68	18.61	30	PASS

3.2 Test Graph

