



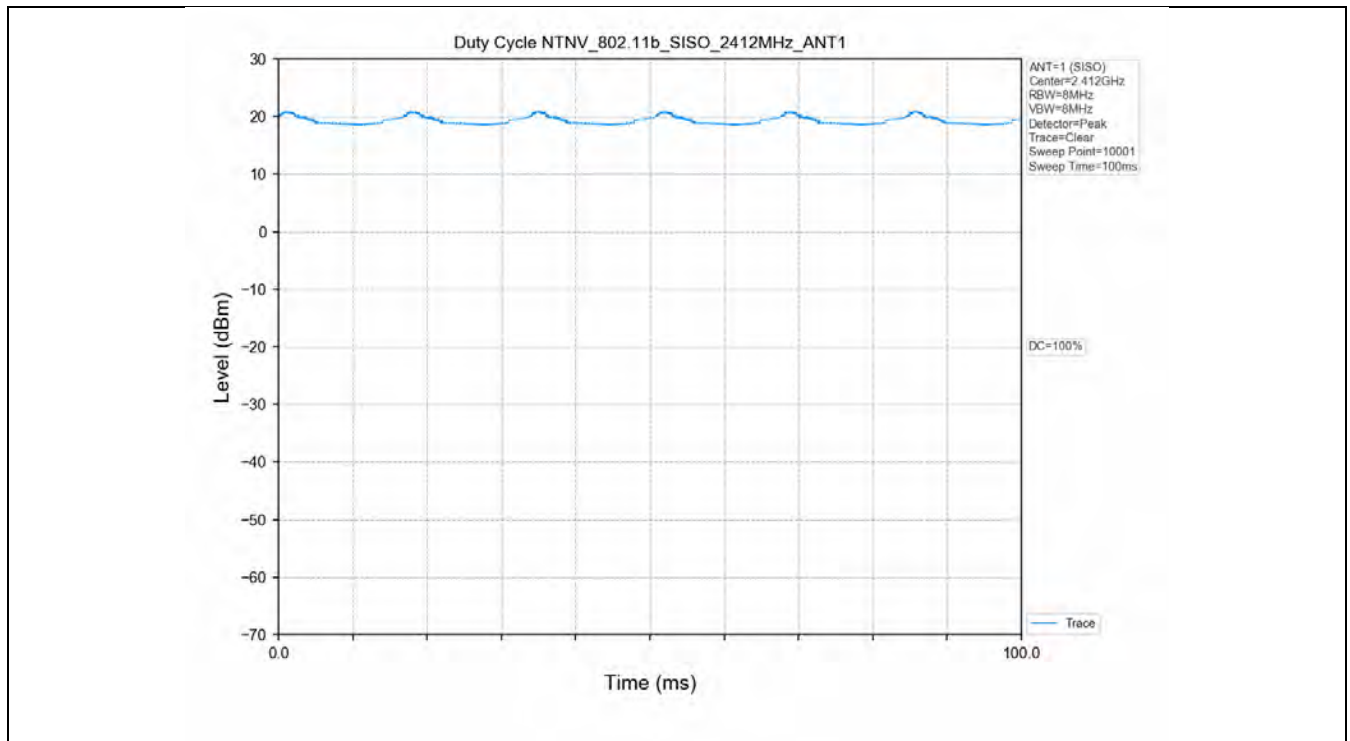
Appendix A for SHEM200600506001

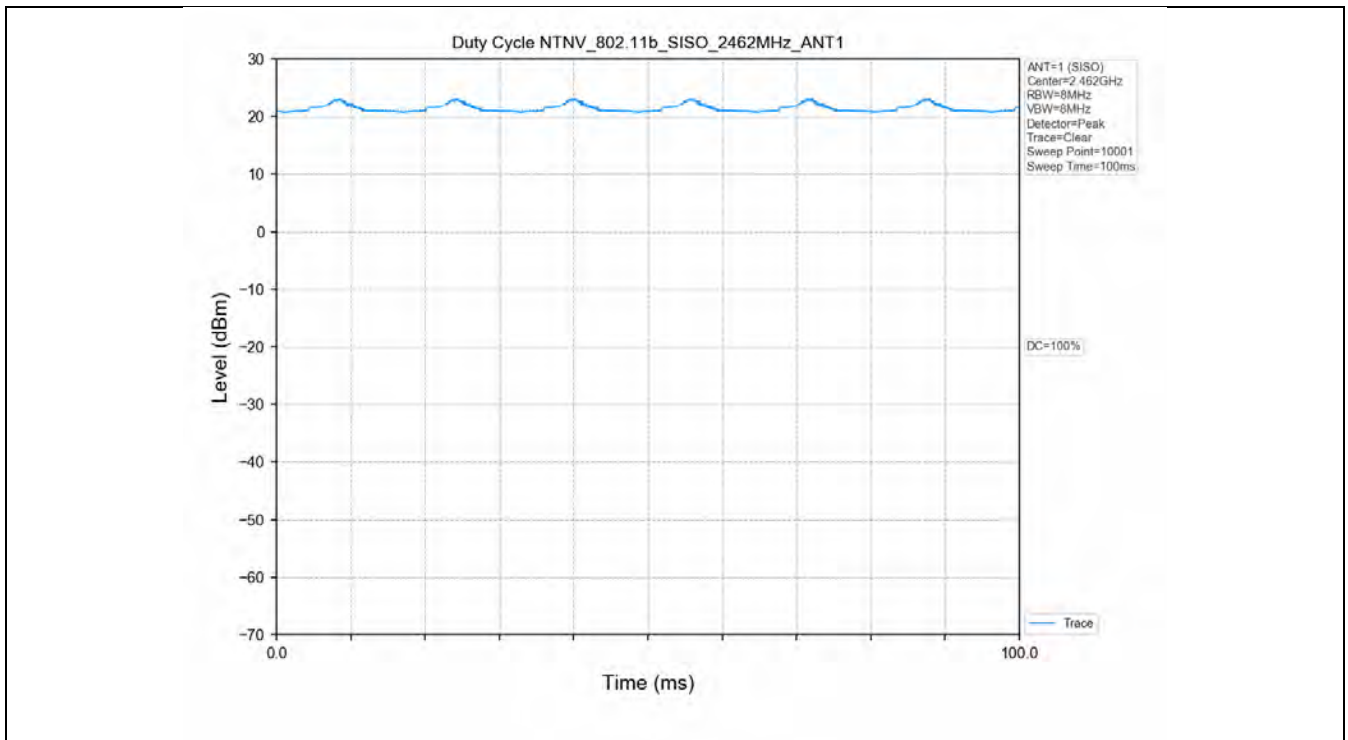
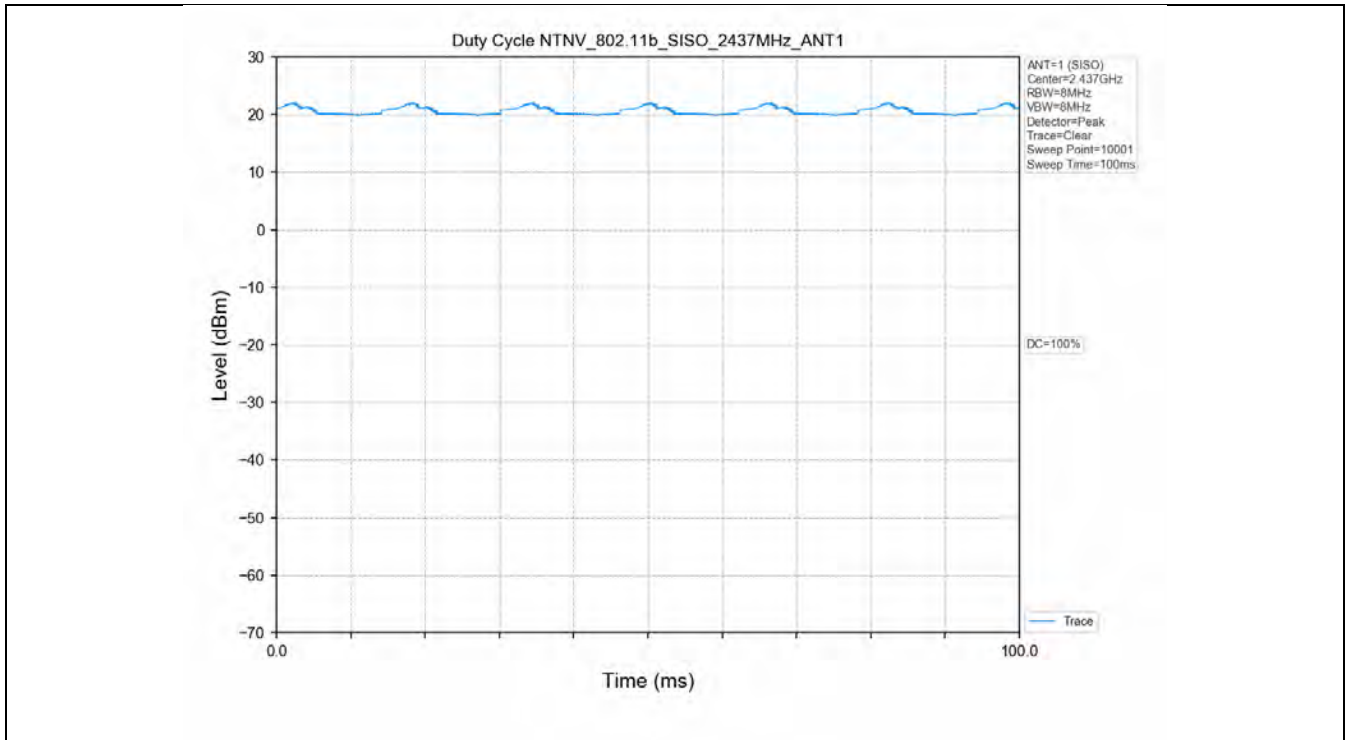
1. Duty Cycle

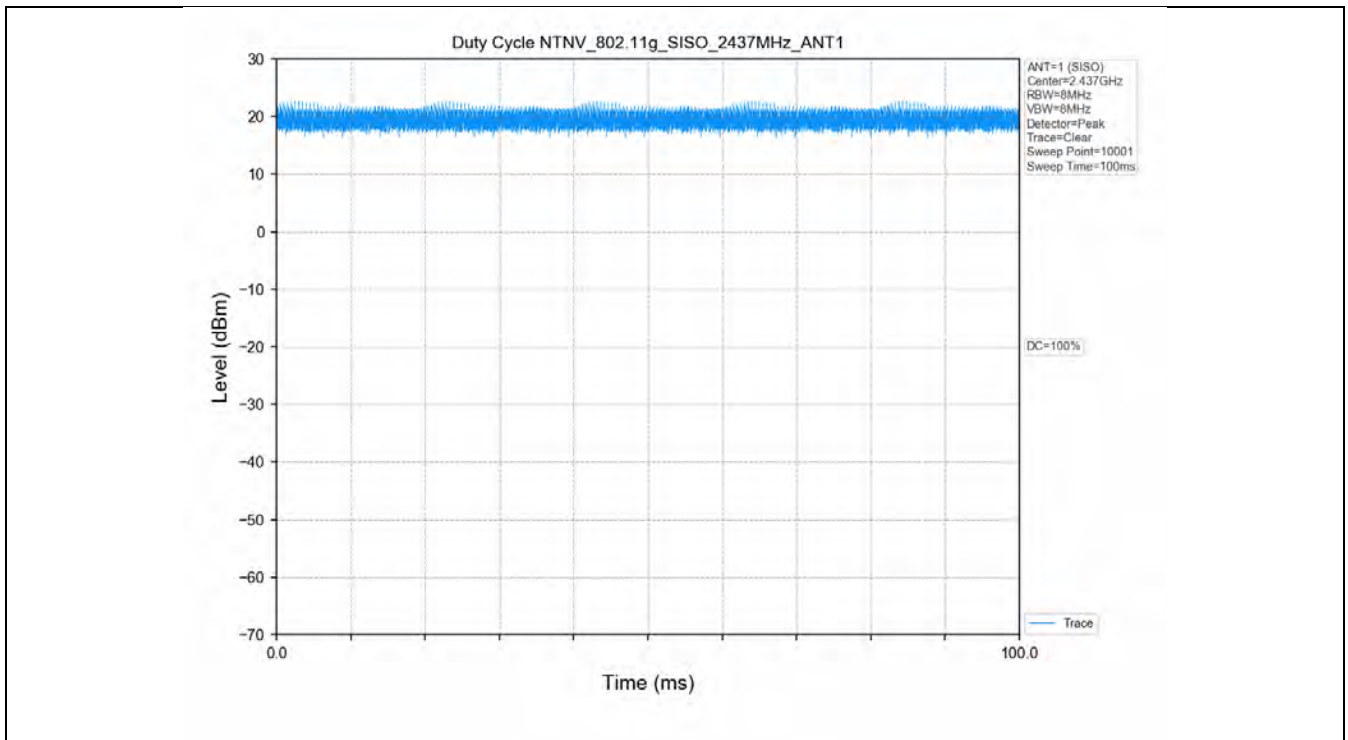
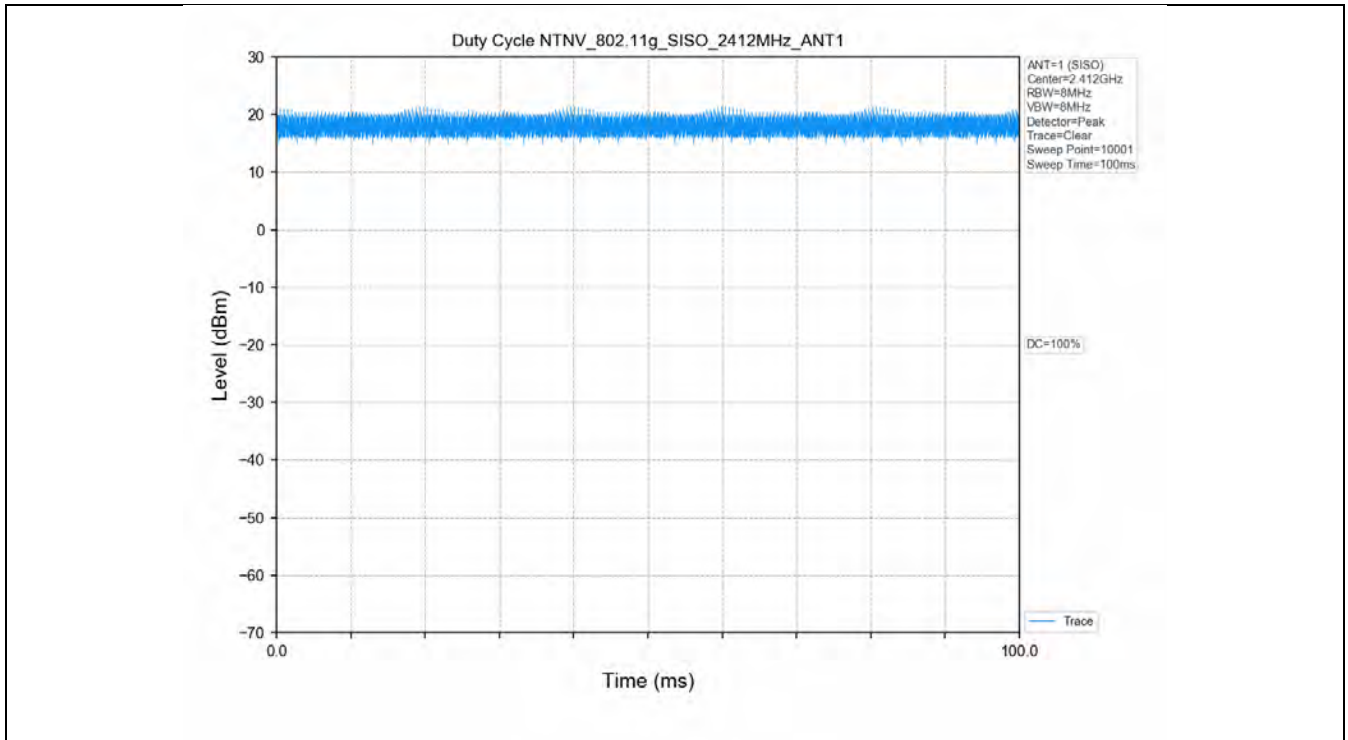
1.1 Test Result

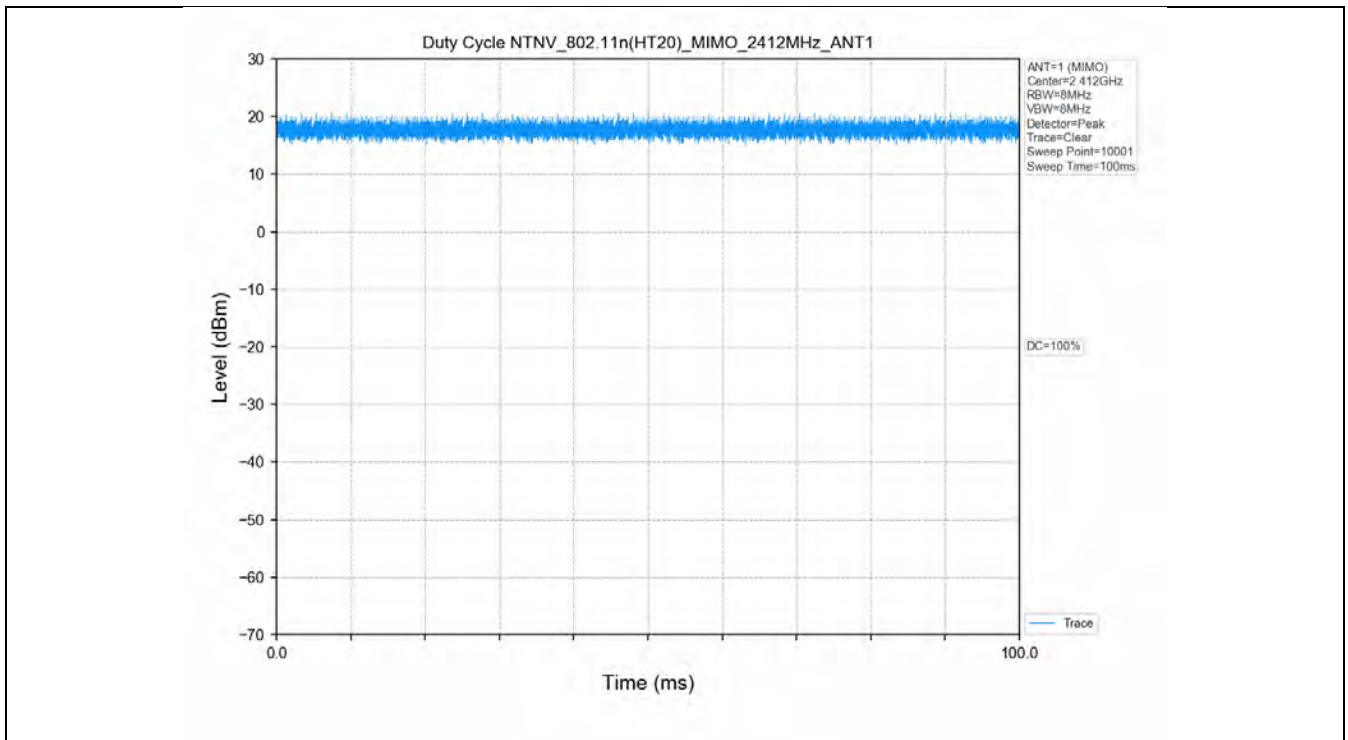
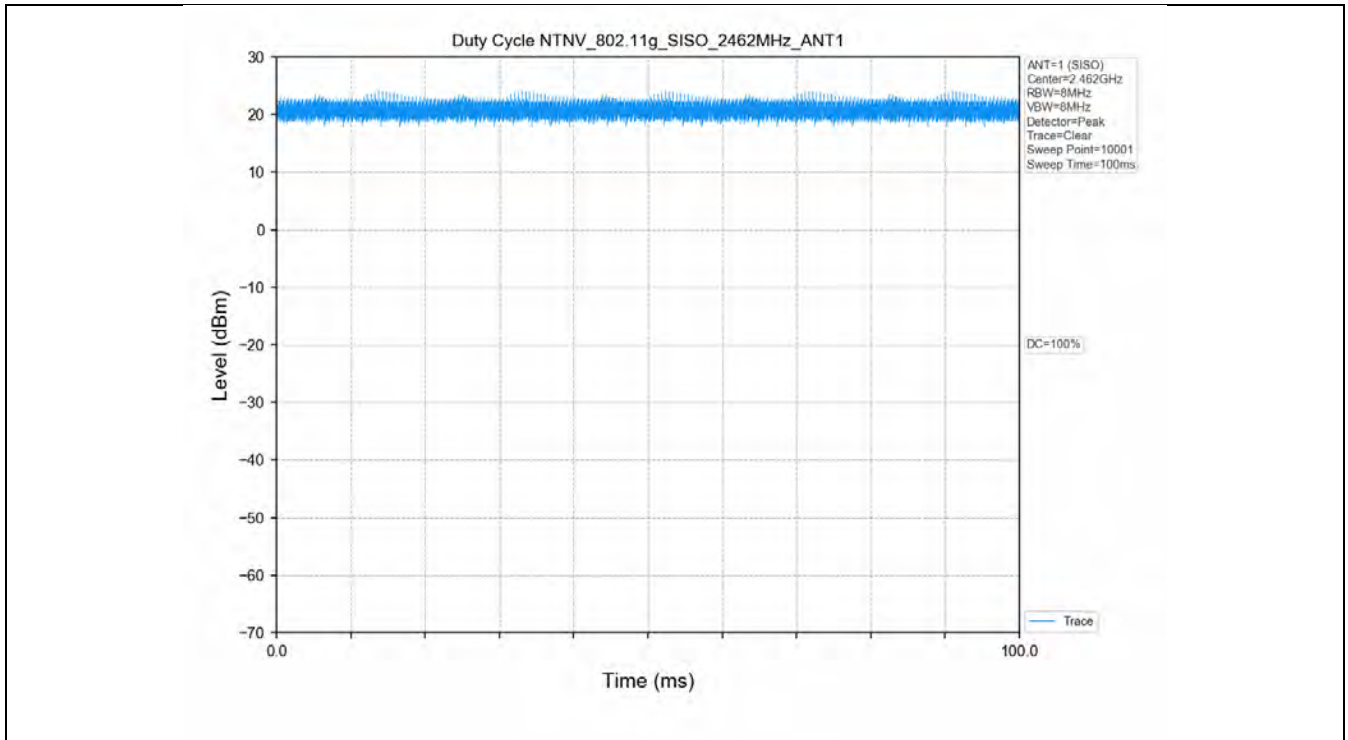
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
	2437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

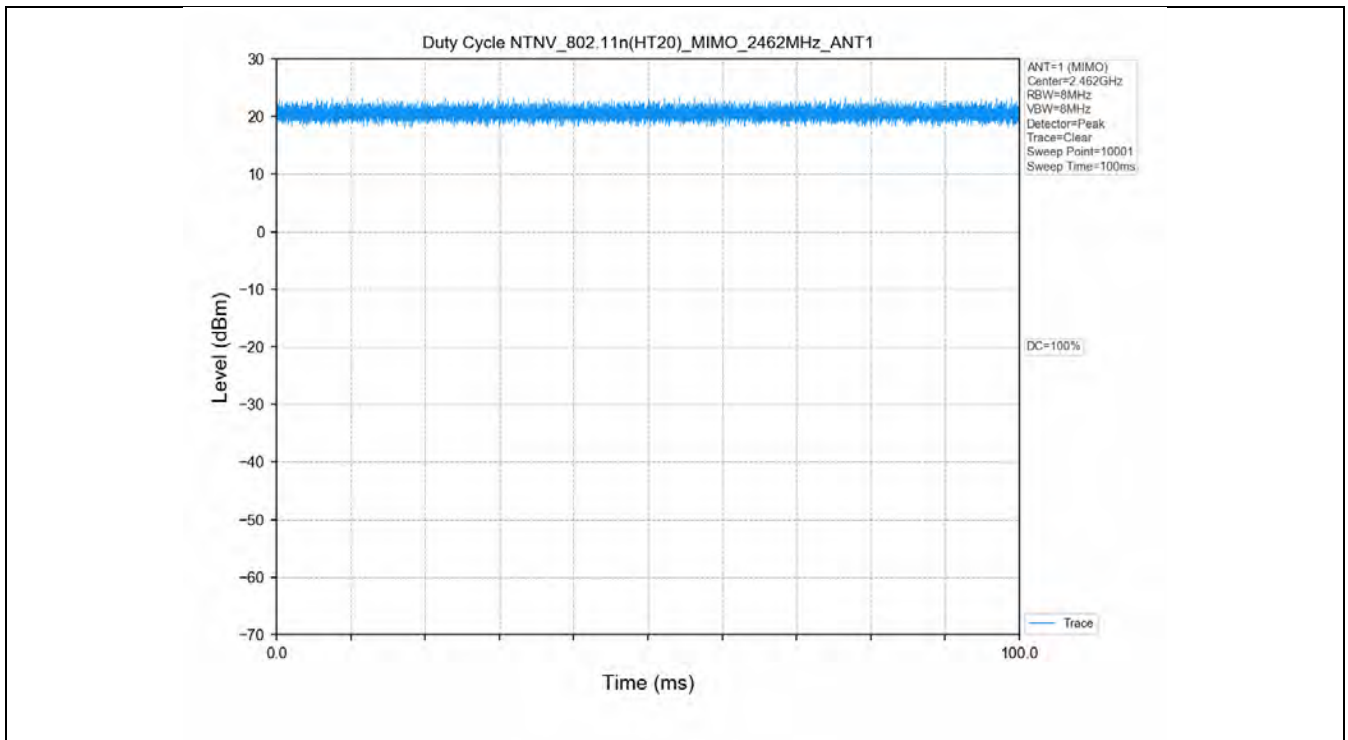
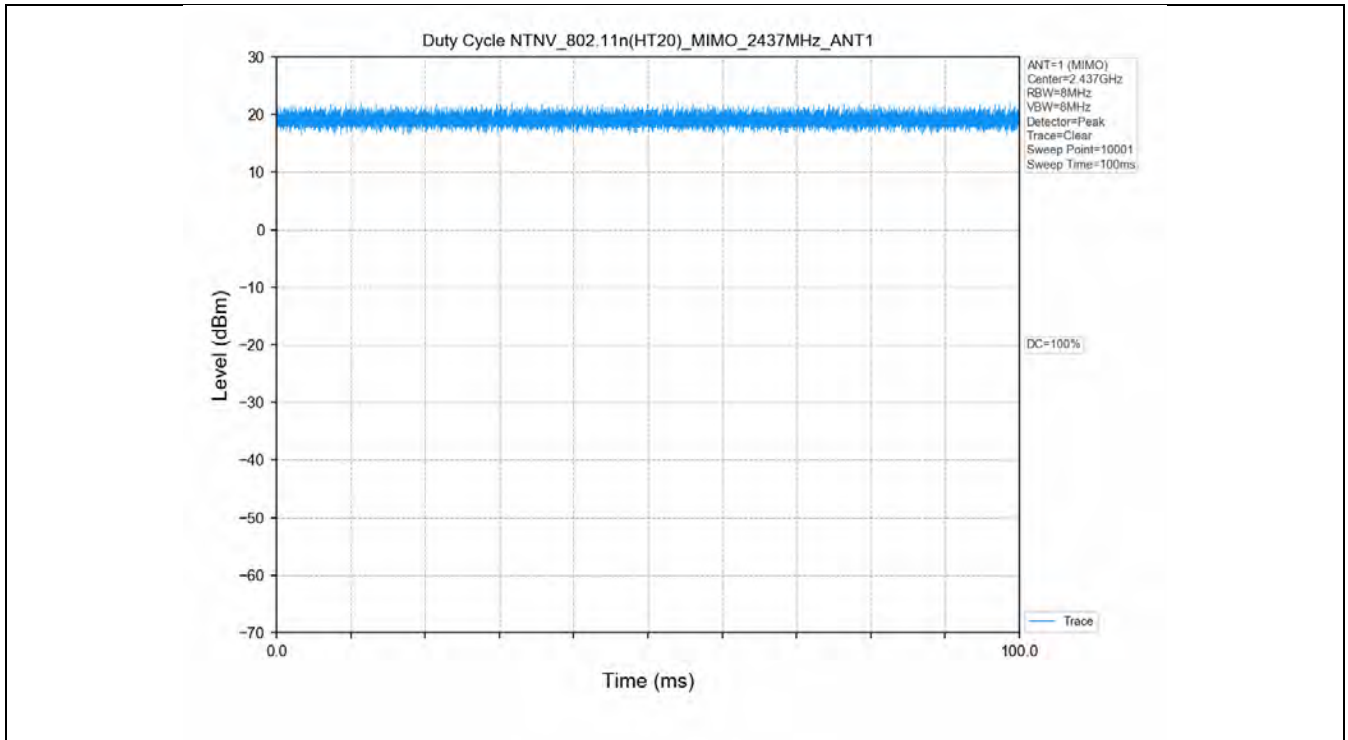
1.2 Test Graph

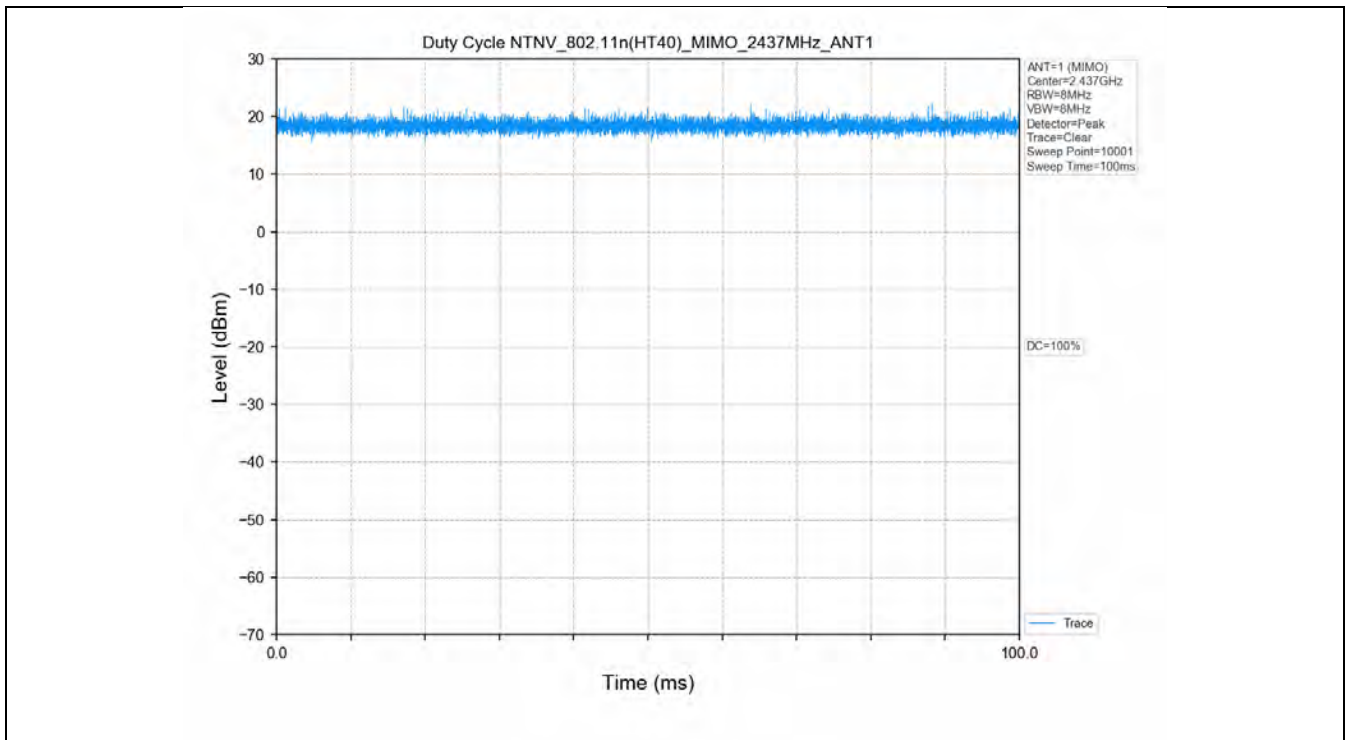
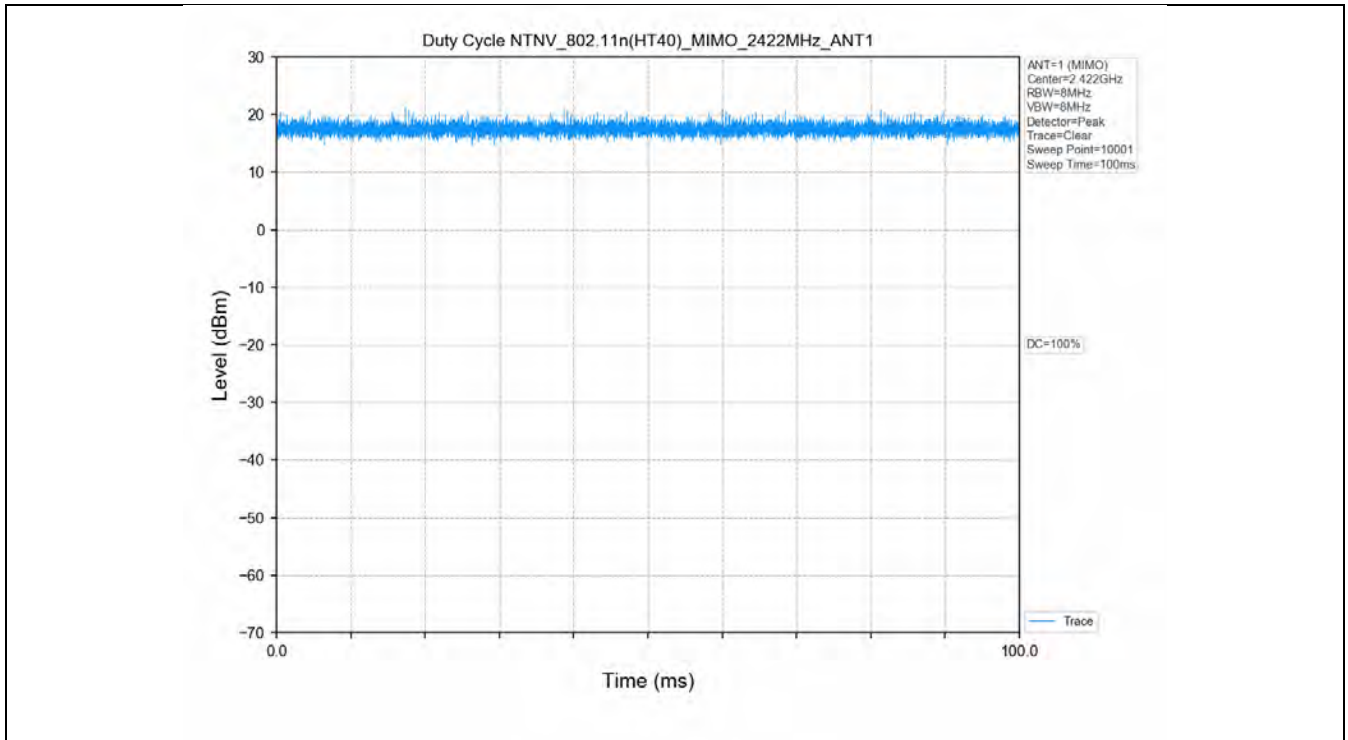


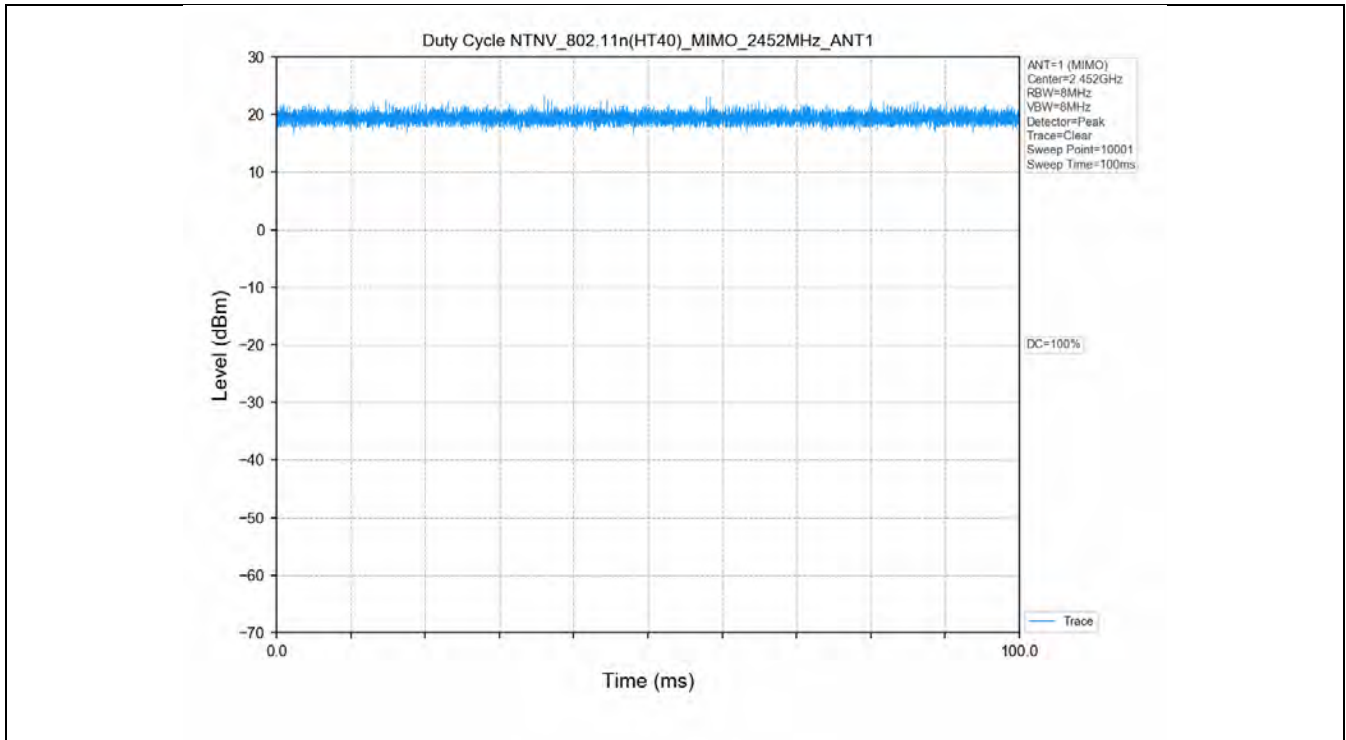












2. Bandwidth

2.1 Test Result

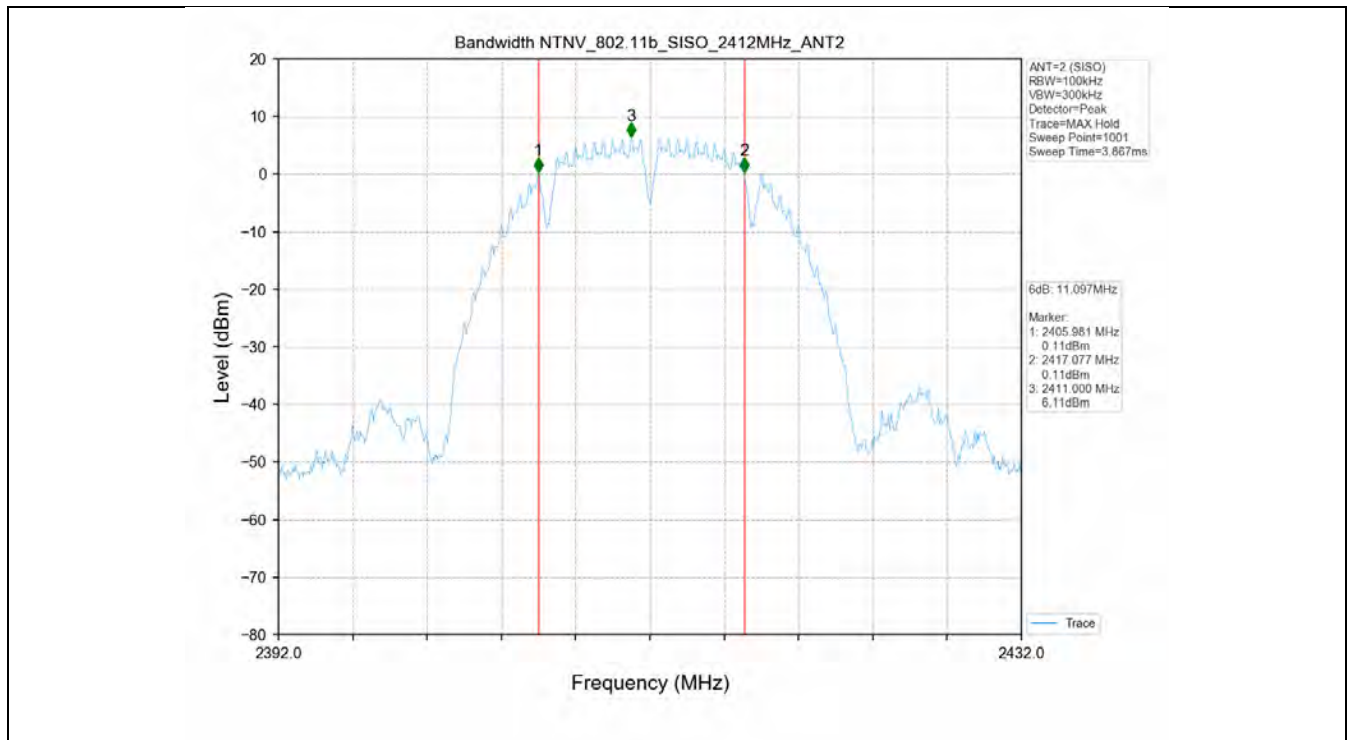
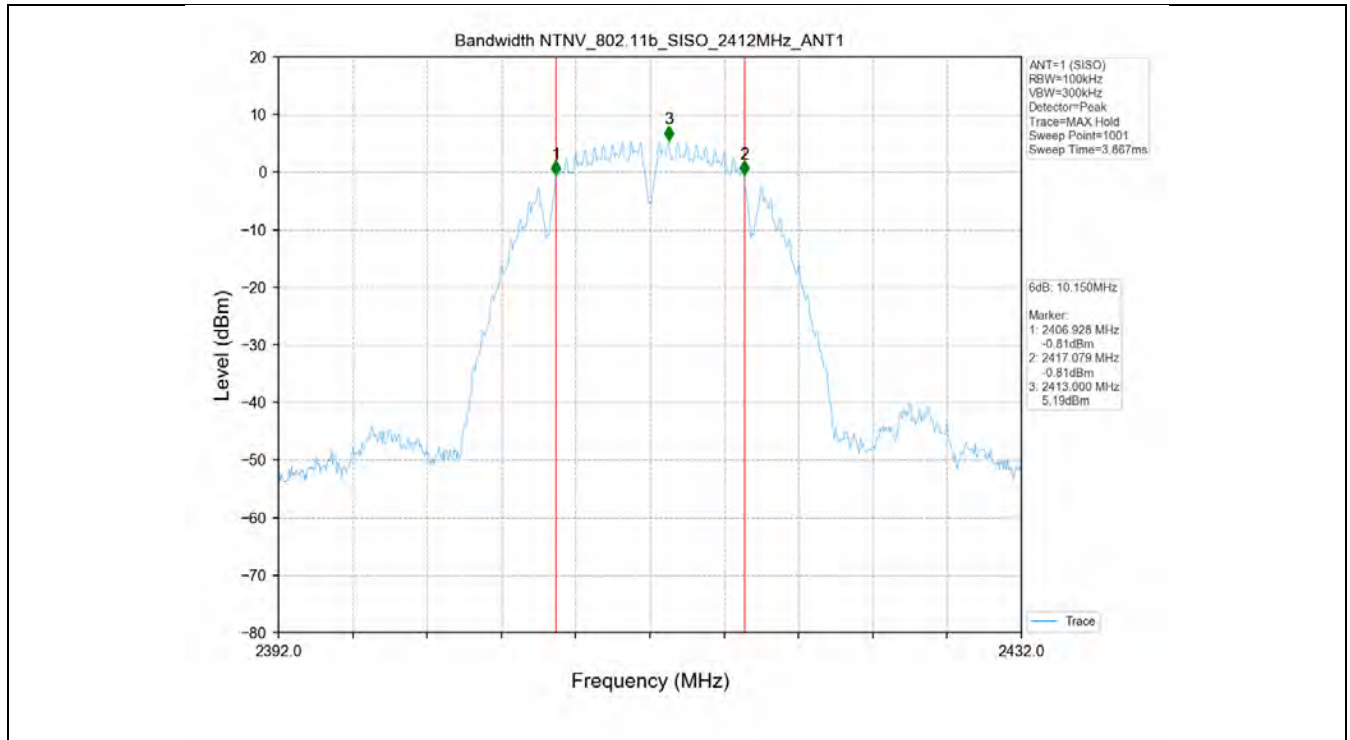
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.150	≥0.5	PASS
			2	11.097	≥0.5	PASS
	2437	SISO	1	10.144	≥0.5	PASS
			2	10.148	≥0.5	PASS
	2462	SISO	1	10.146	≥0.5	PASS
			2	10.147	≥0.5	PASS
802.11g	2437	SISO	1	15.966	≥0.5	PASS
			2	15.103	≥0.5	PASS
	2462	SISO	1	16.029	≥0.5	PASS
			2	14.844	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	16.355	≥0.5	PASS
			2	16.775	≥0.5	PASS
	2437	MIMO	1	16.332	≥0.5	PASS
			2	16.331	≥0.5	PASS
	2462	MIMO	1	16.336	≥0.5	PASS
			2	16.319	≥0.5	PASS
802.11n(HT40)	2422	MIMO	1	27.148	≥0.5	PASS
			2	27.045	≥0.5	PASS
	2437	MIMO	1	25.944	≥0.5	PASS
			2	26.684	≥0.5	PASS
2452	MIMO	1	25.665	≥0.5	PASS	

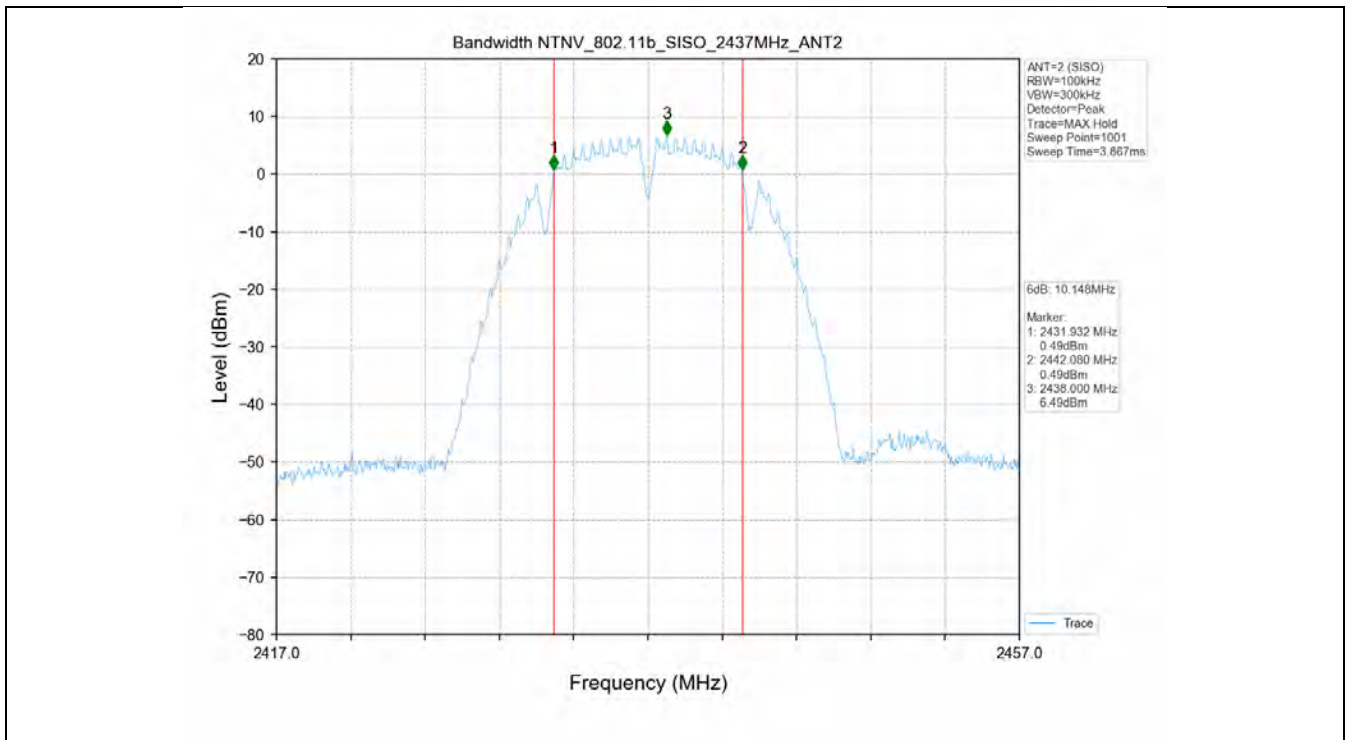
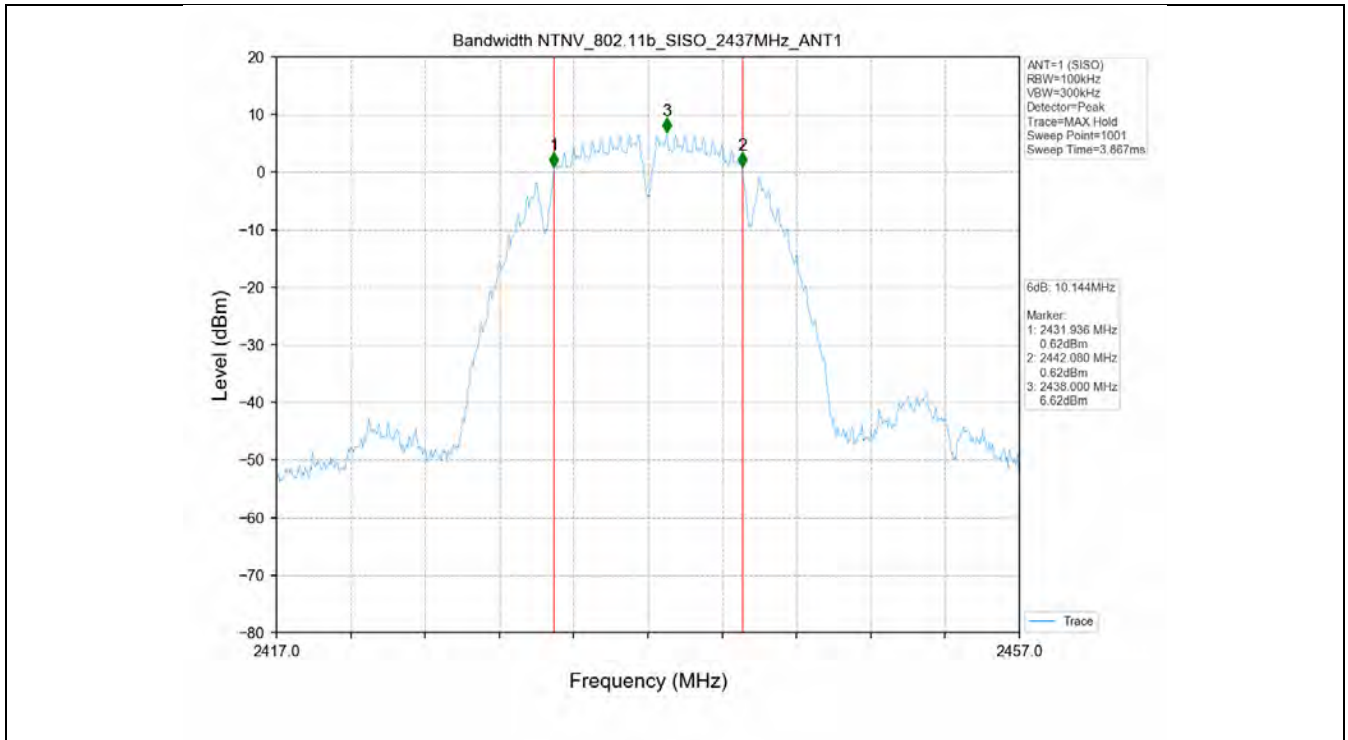


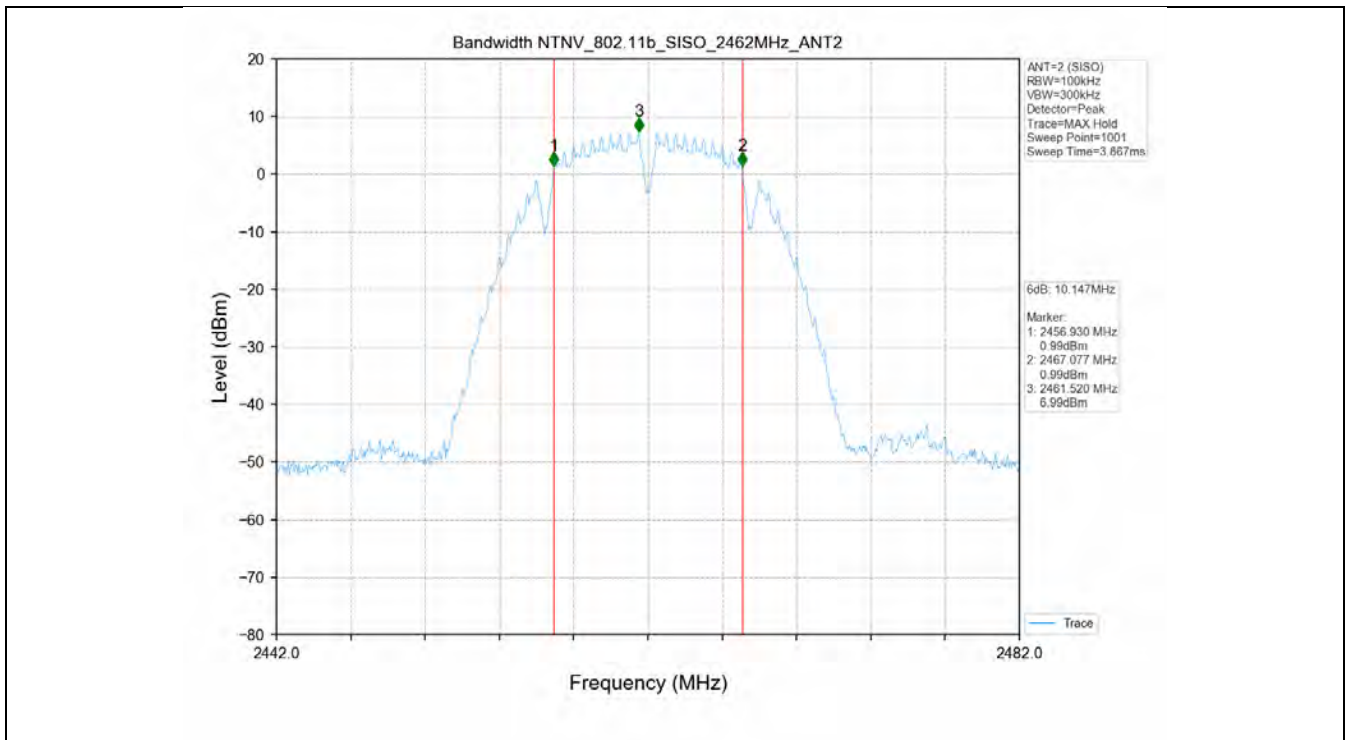
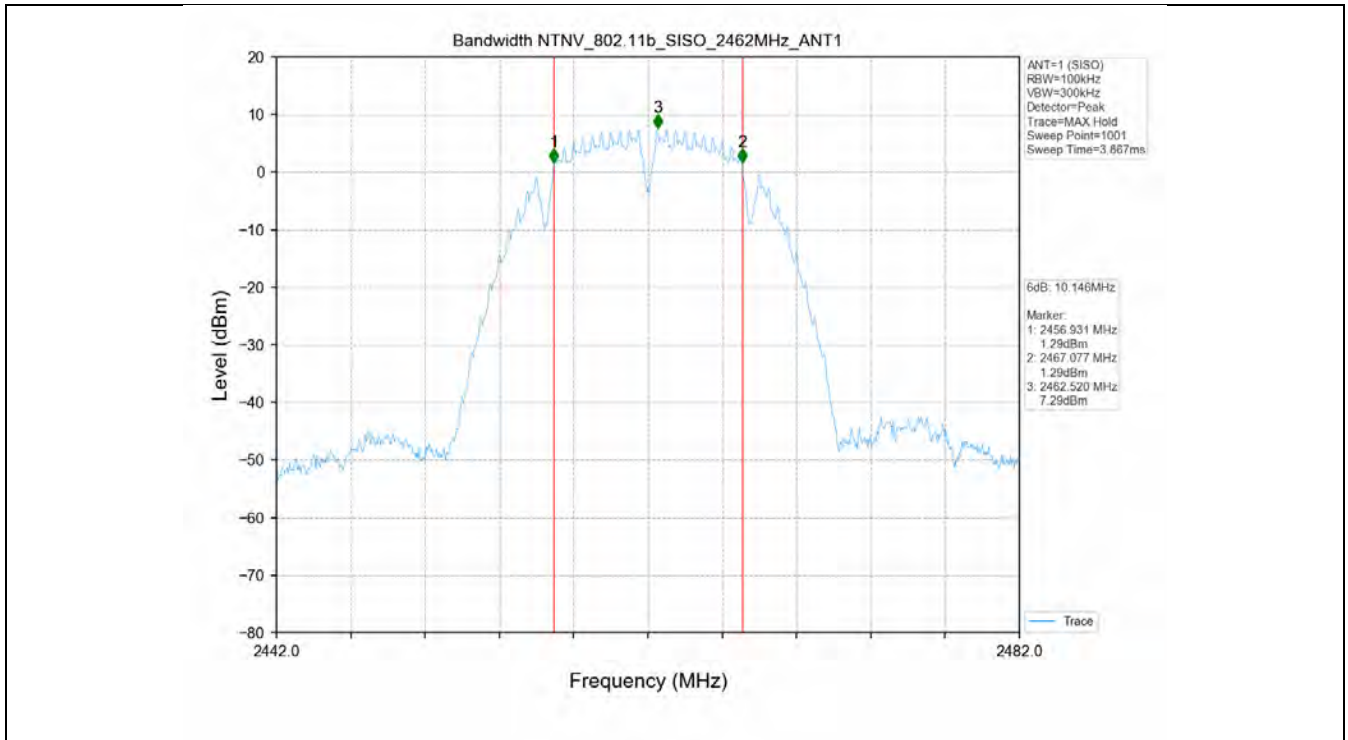
			2	26.485	≥0.5	PASS
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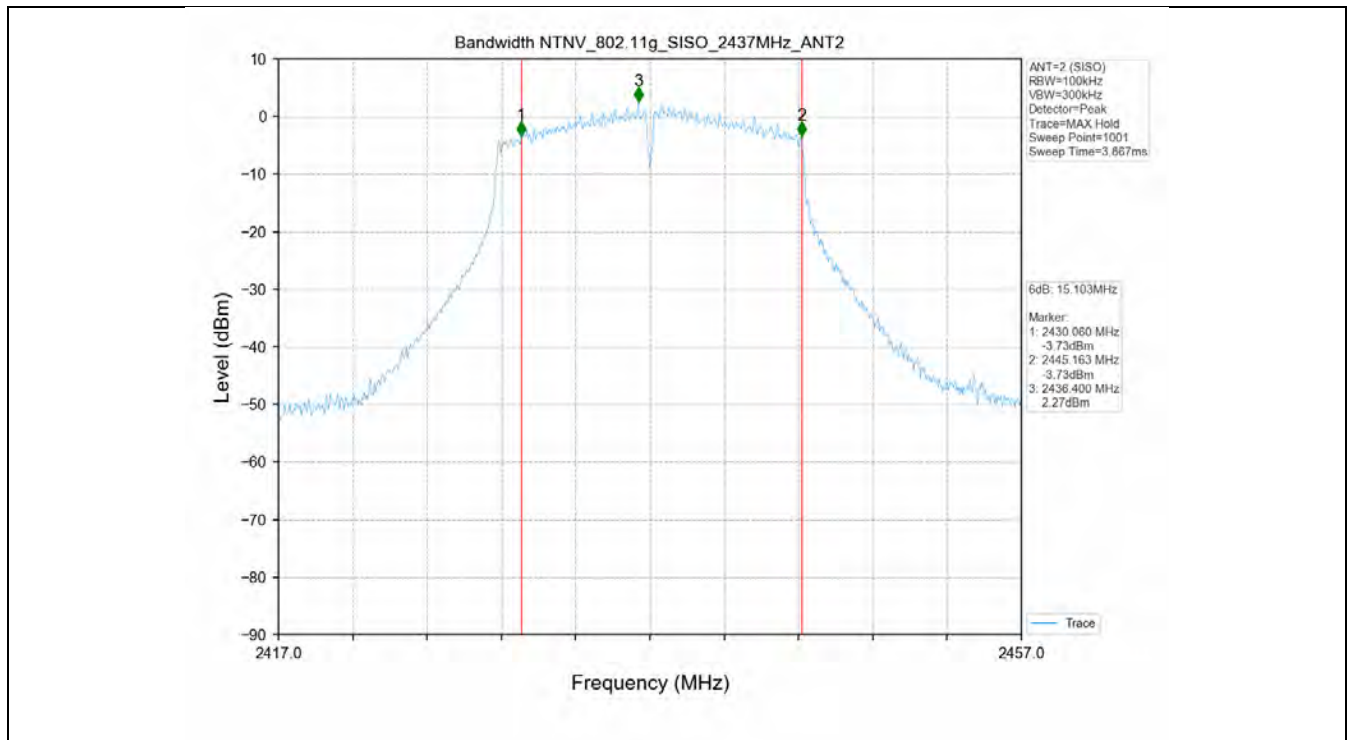
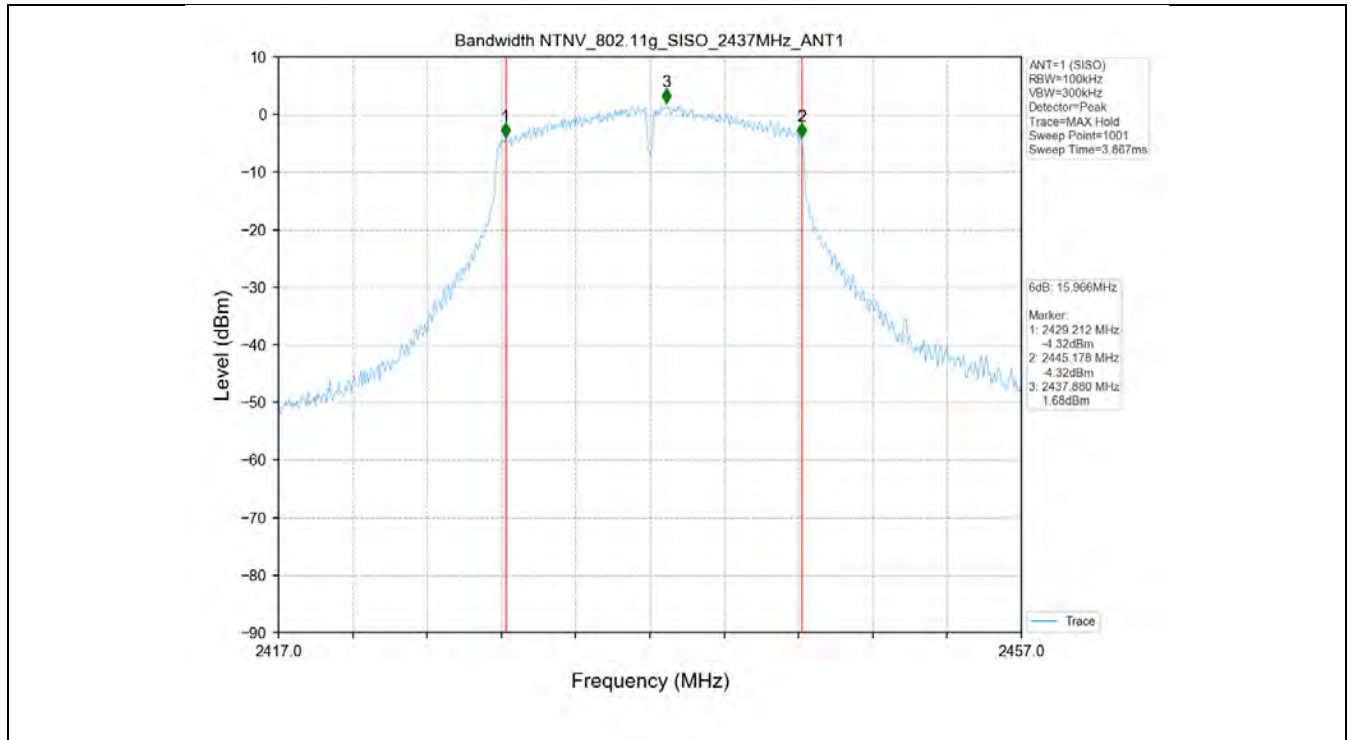
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.412	Only for Report Use
			2	14.932	Only for Report Use
	2437	SISO	1	13.411	Only for Report Use
			2	13.419	Only for Report Use
	2462	SISO	1	13.364	Only for Report Use
			2	13.354	Only for Report Use
802.11g	2437	SISO	1	16.407	Only for Report Use
			2	16.347	Only for Report Use
	2462	SISO	1	16.390	Only for Report Use
			2	16.339	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.565	Only for Report Use
			2	17.540	Only for Report Use
	2437	MIMO	1	17.550	Only for Report Use
			2	17.517	Only for Report Use
	2462	MIMO	1	17.527	Only for Report Use
			2	17.507	Only for Report Use
802.11n(HT40)	2422	MIMO	1	34.857	Only for Report Use
			2	34.839	Only for Report Use
	2437	MIMO	1	34.736	Only for Report Use
			2	34.766	Only for Report Use
	2452	MIMO	1	34.653	Only for Report Use
			2	34.690	Only for Report Use

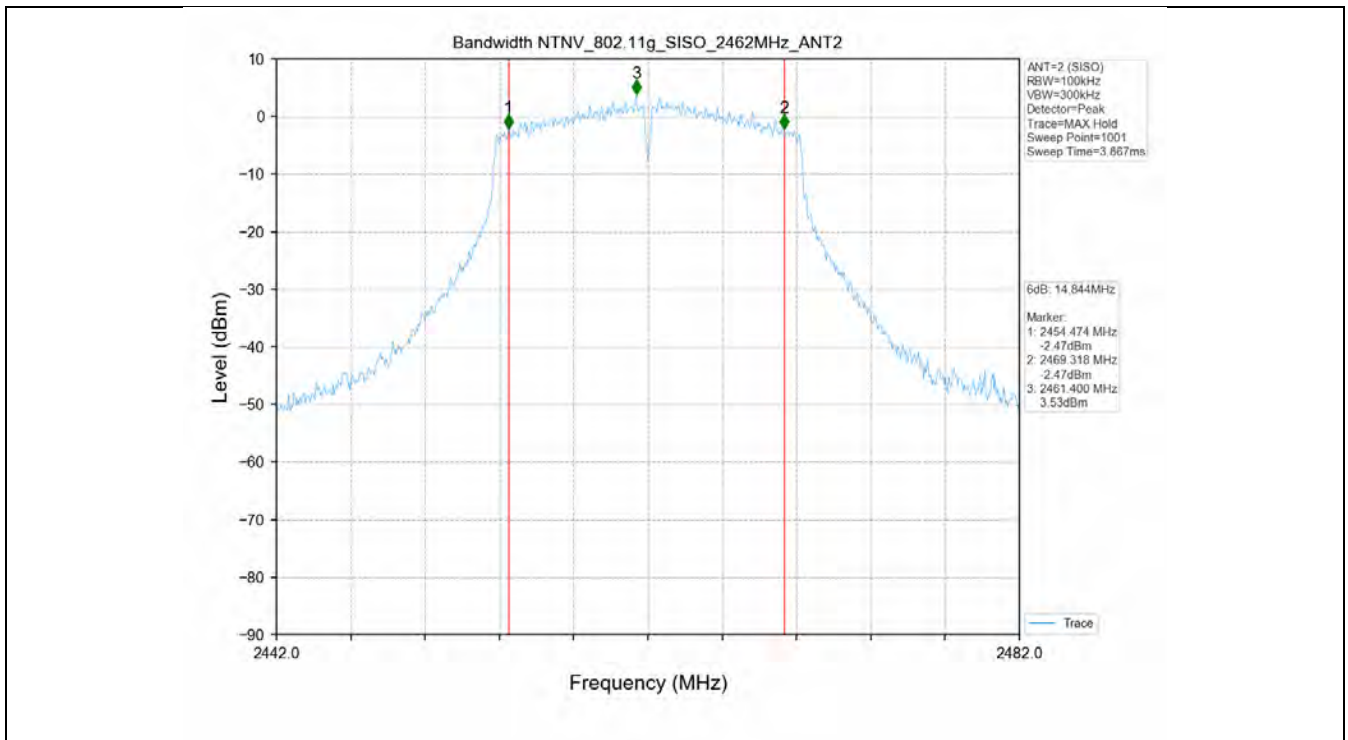
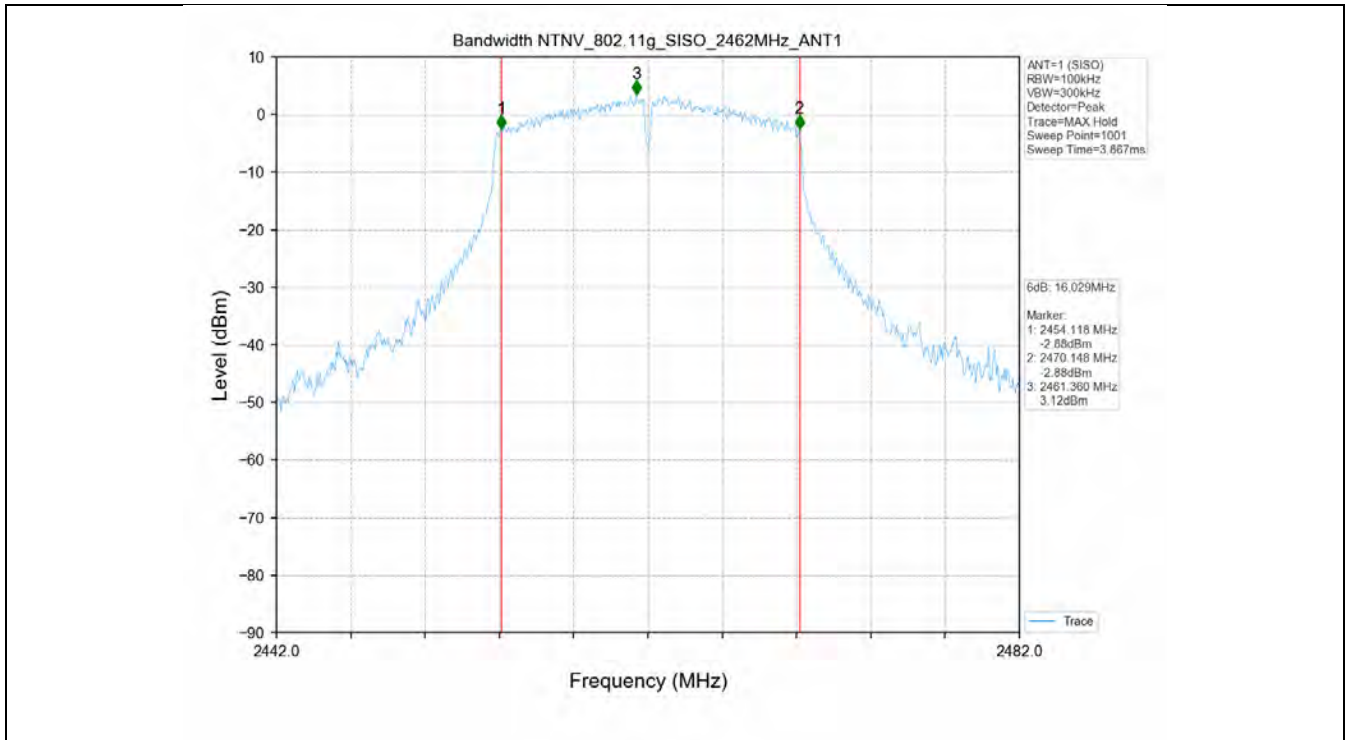
2.2 Test Graph - 6dB Bandwidth

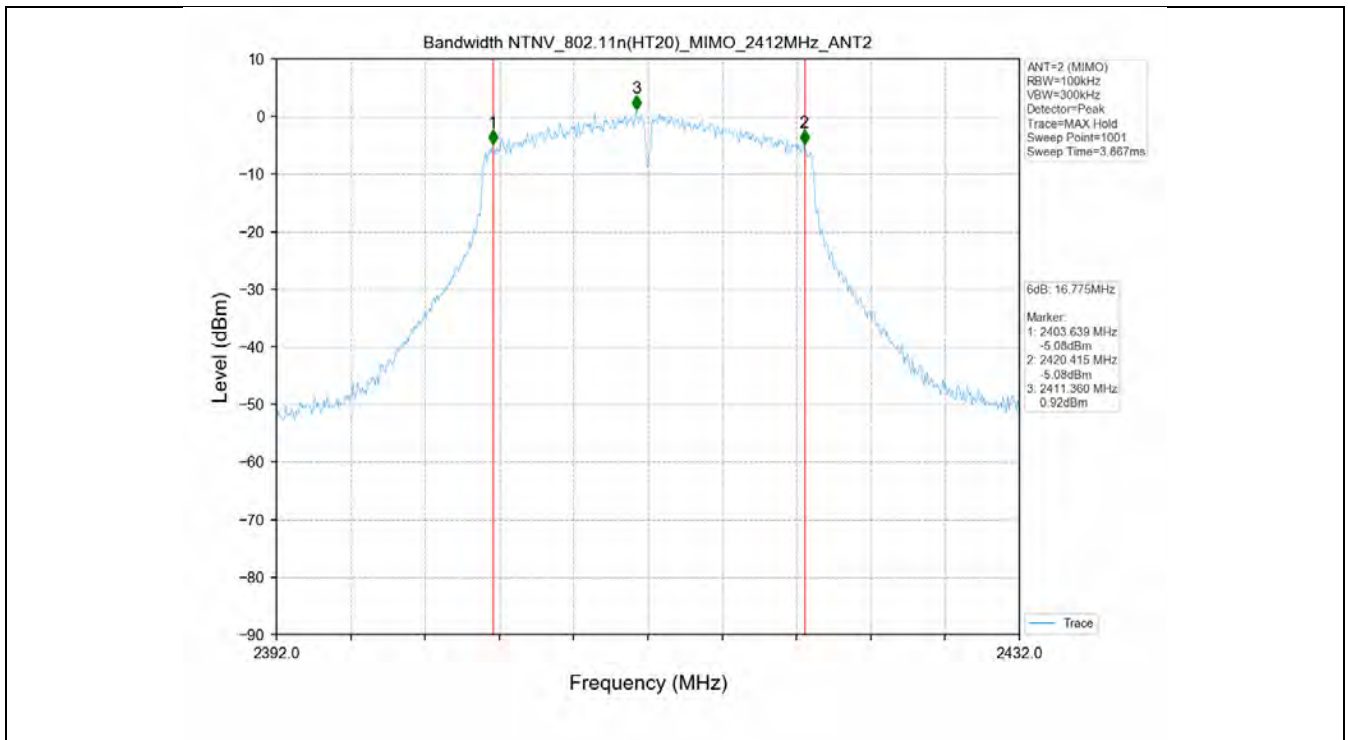
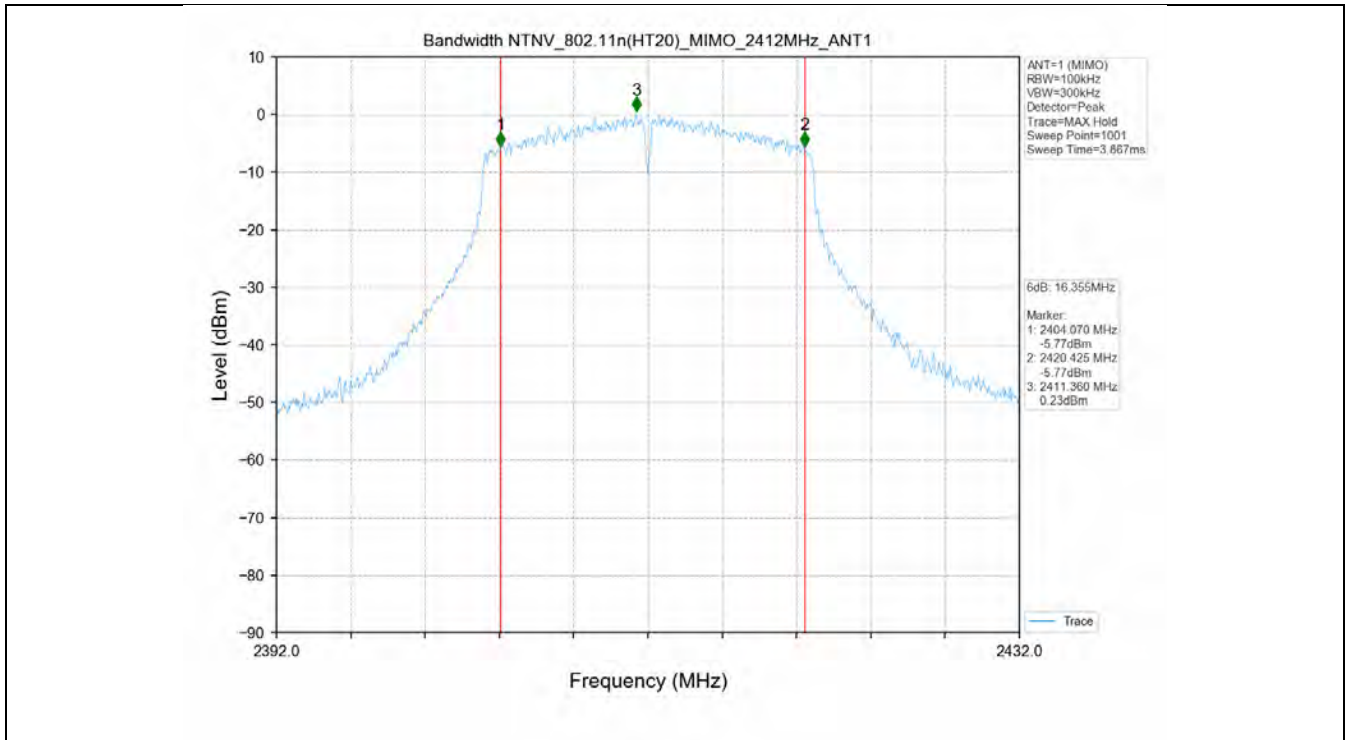


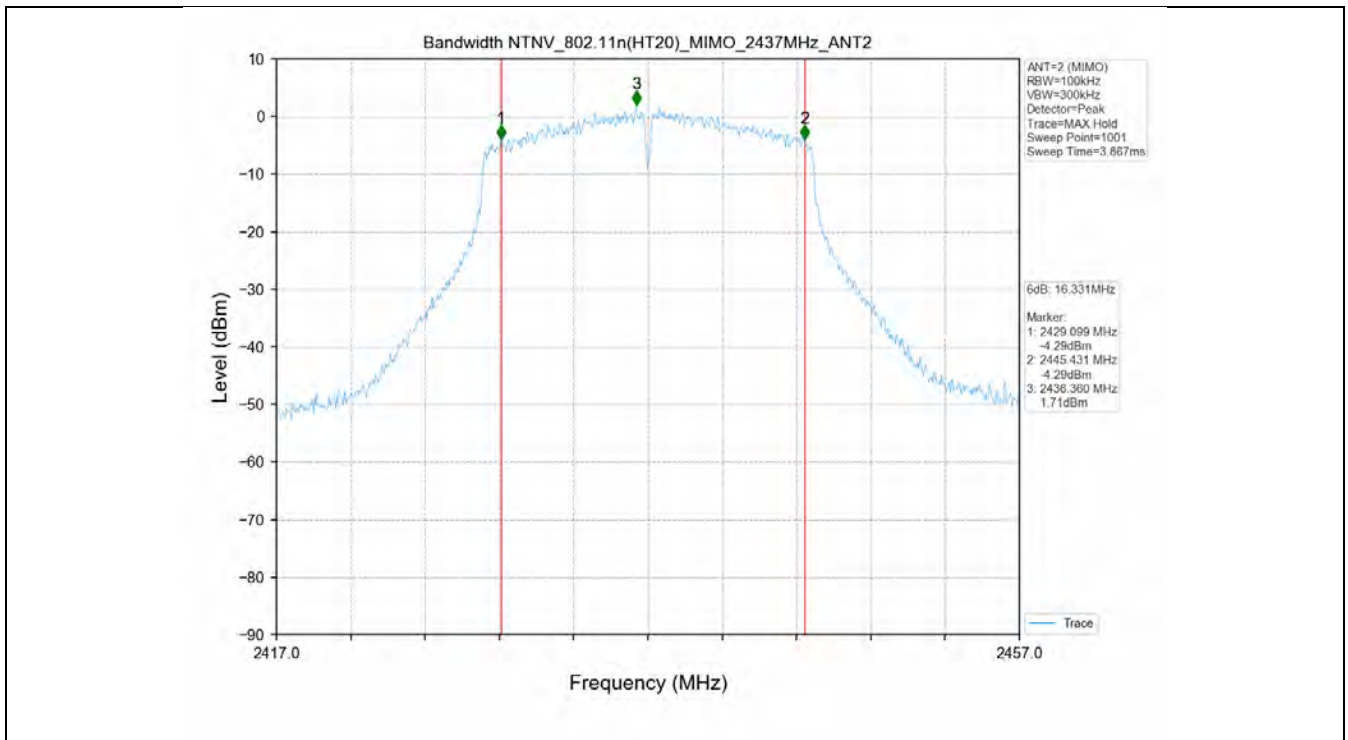
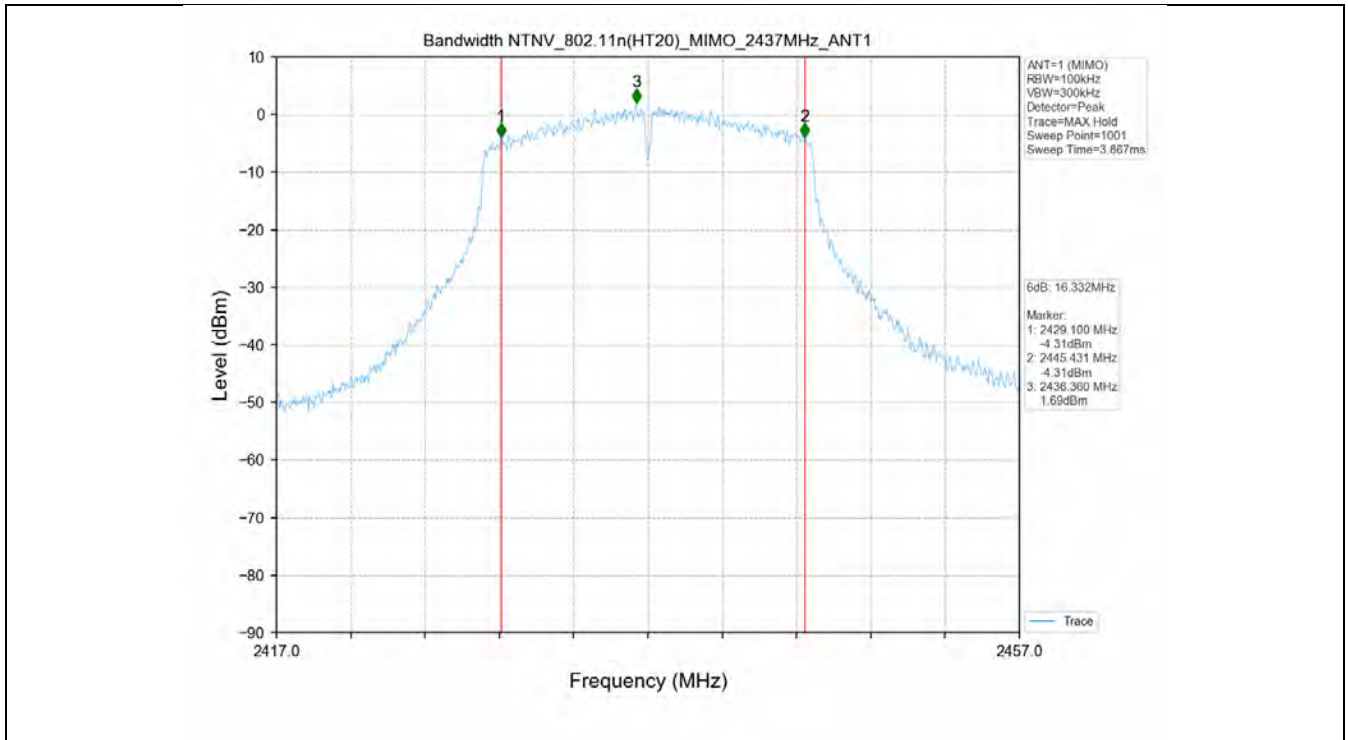


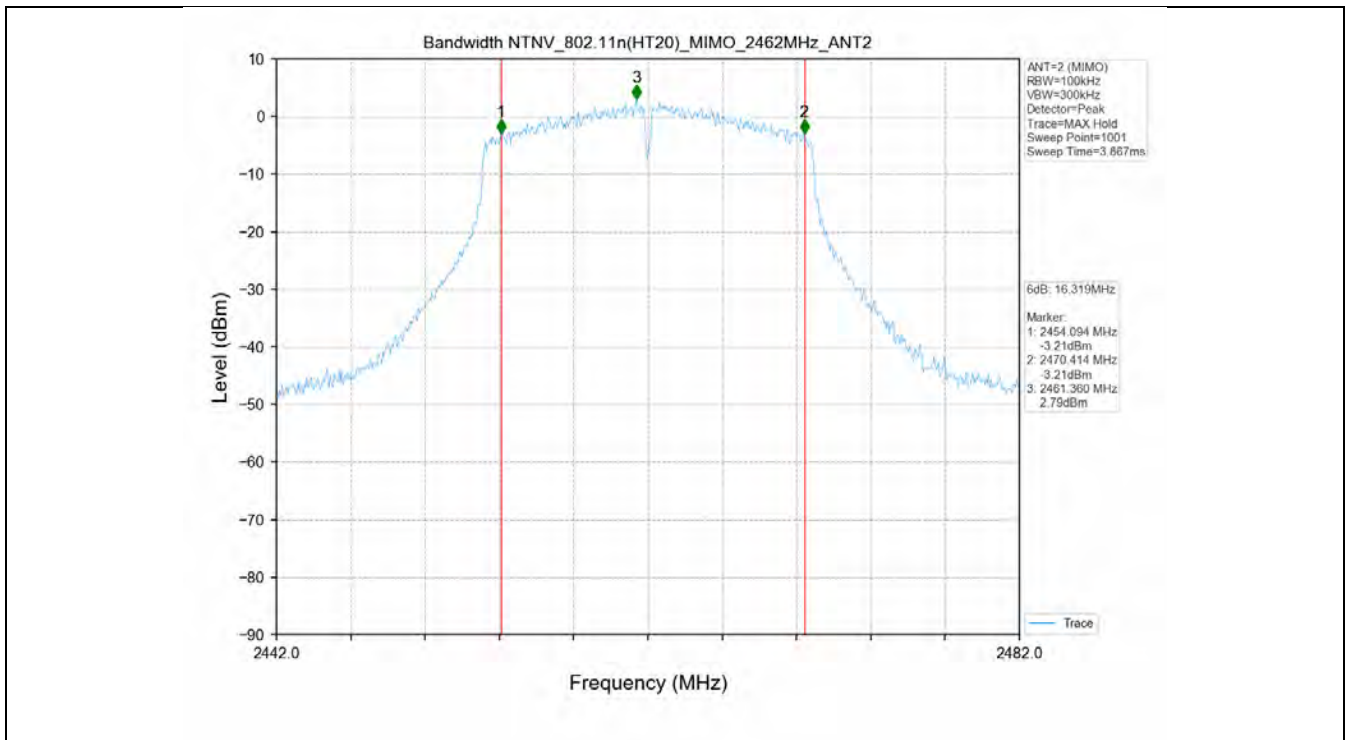
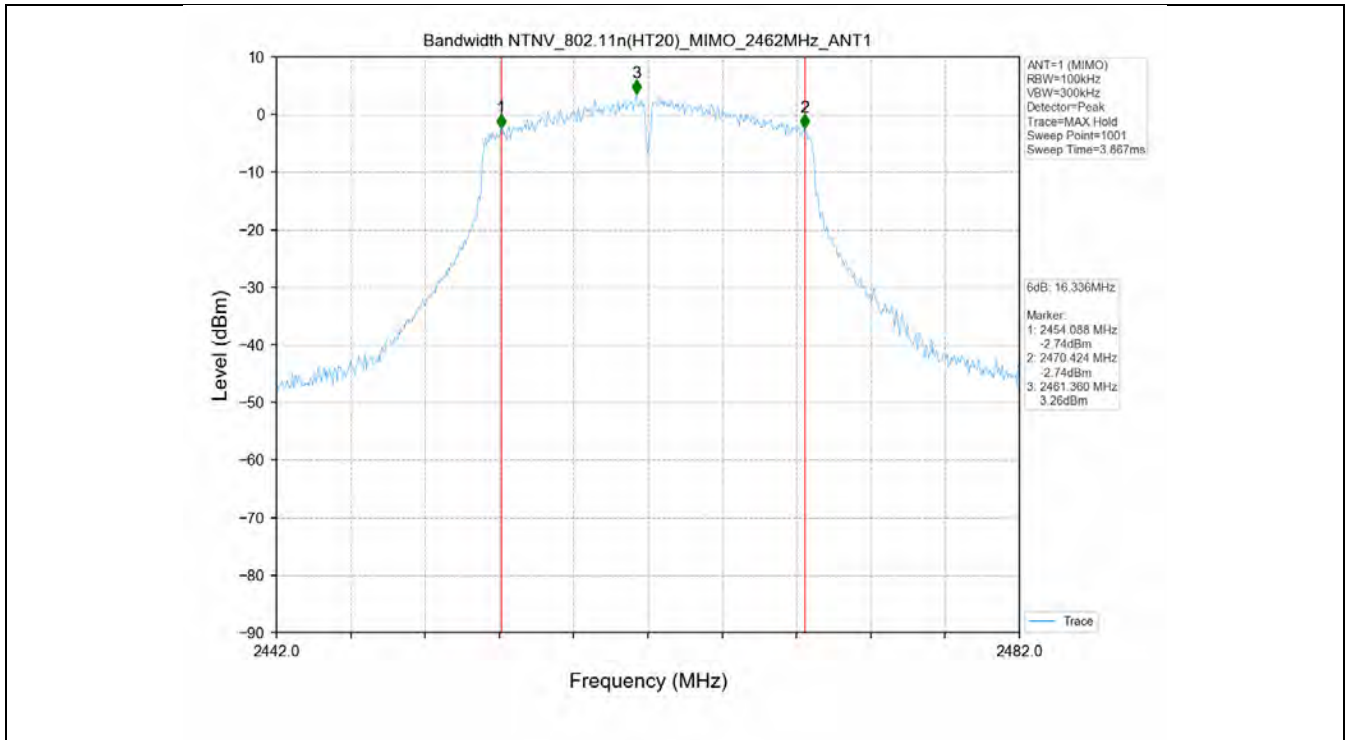


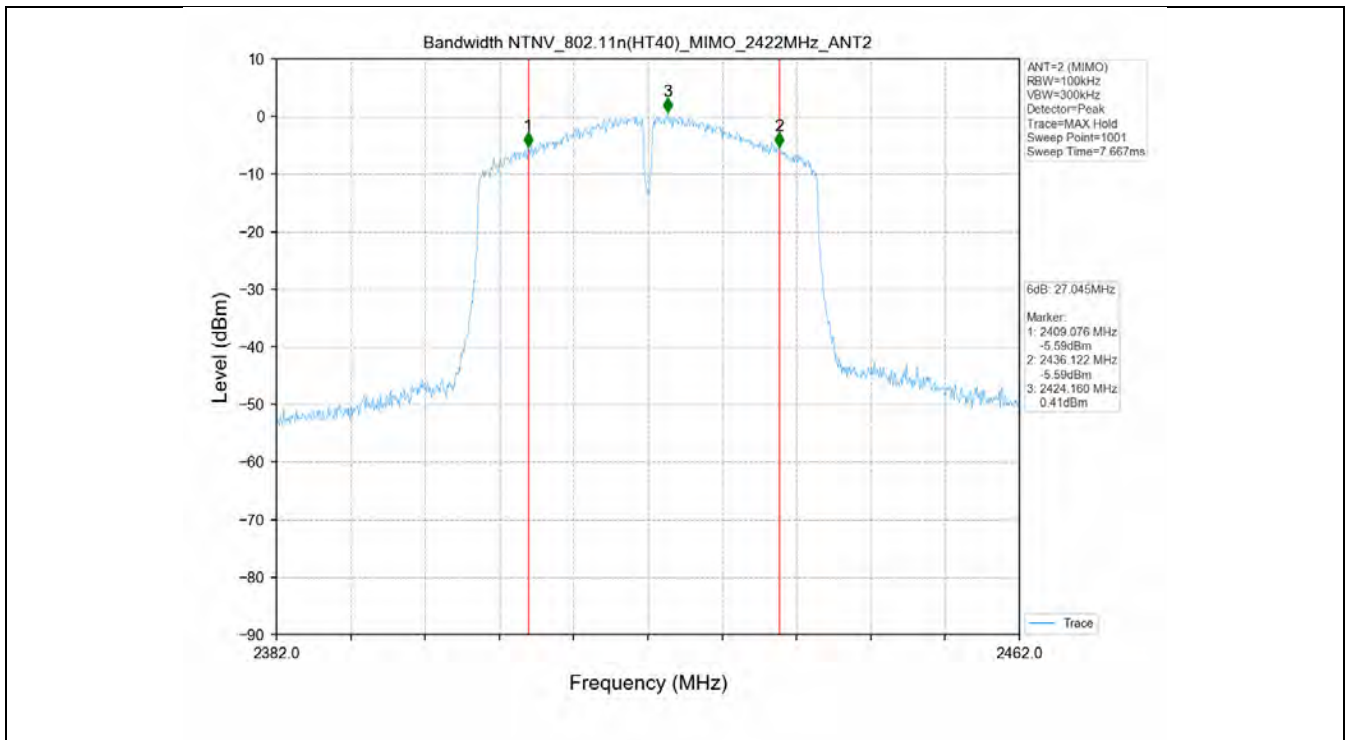
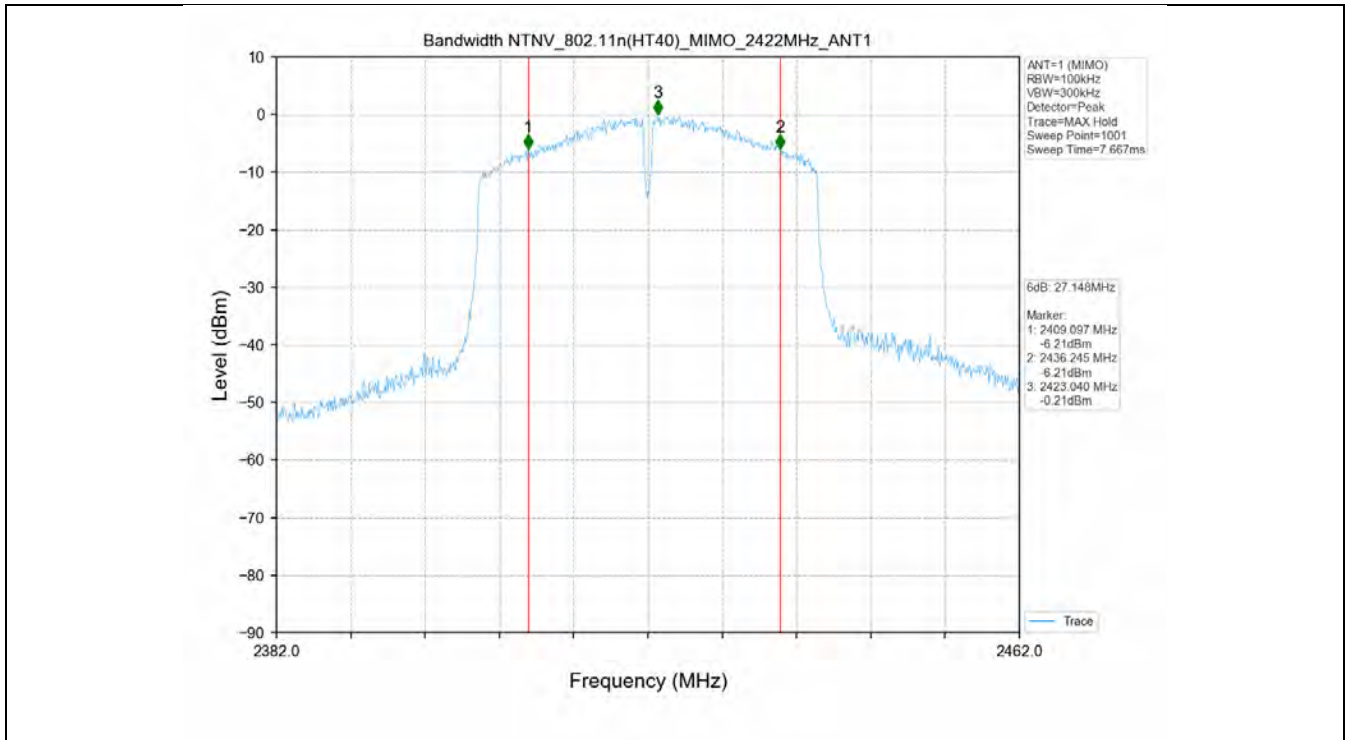


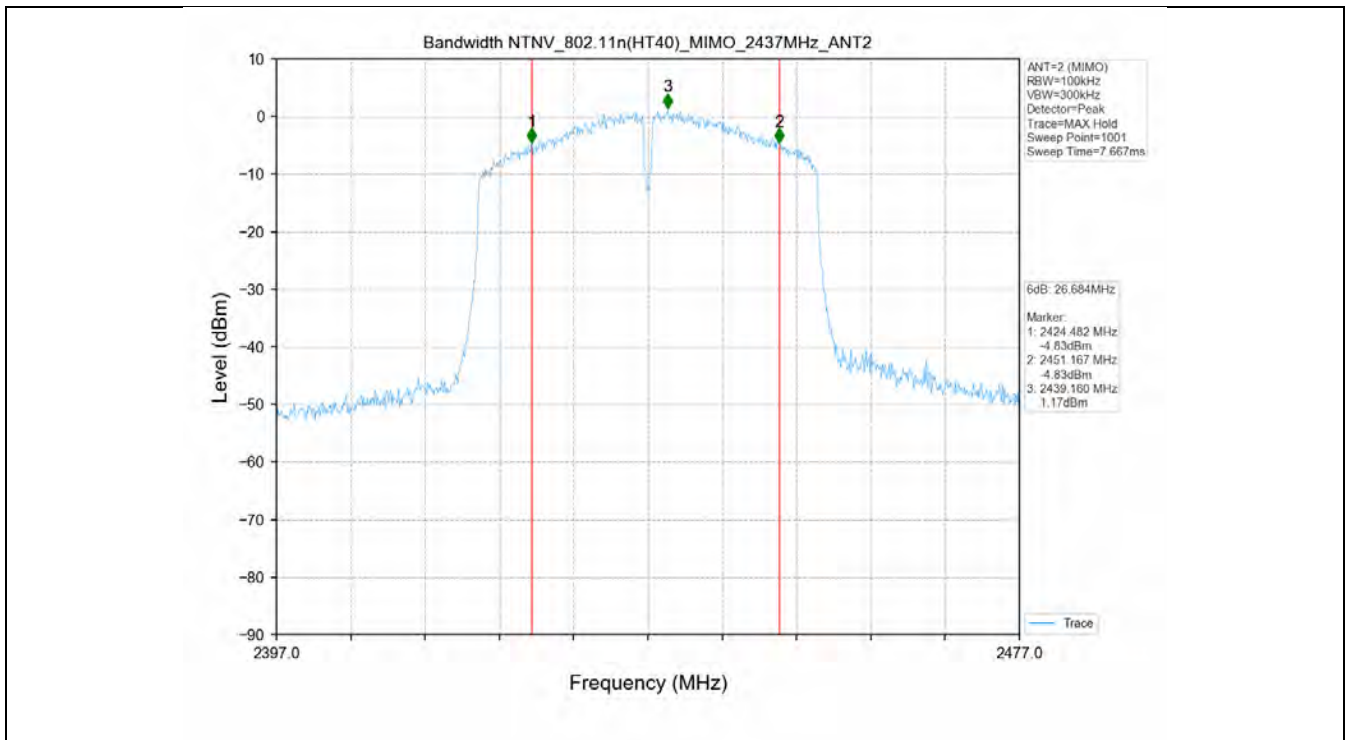
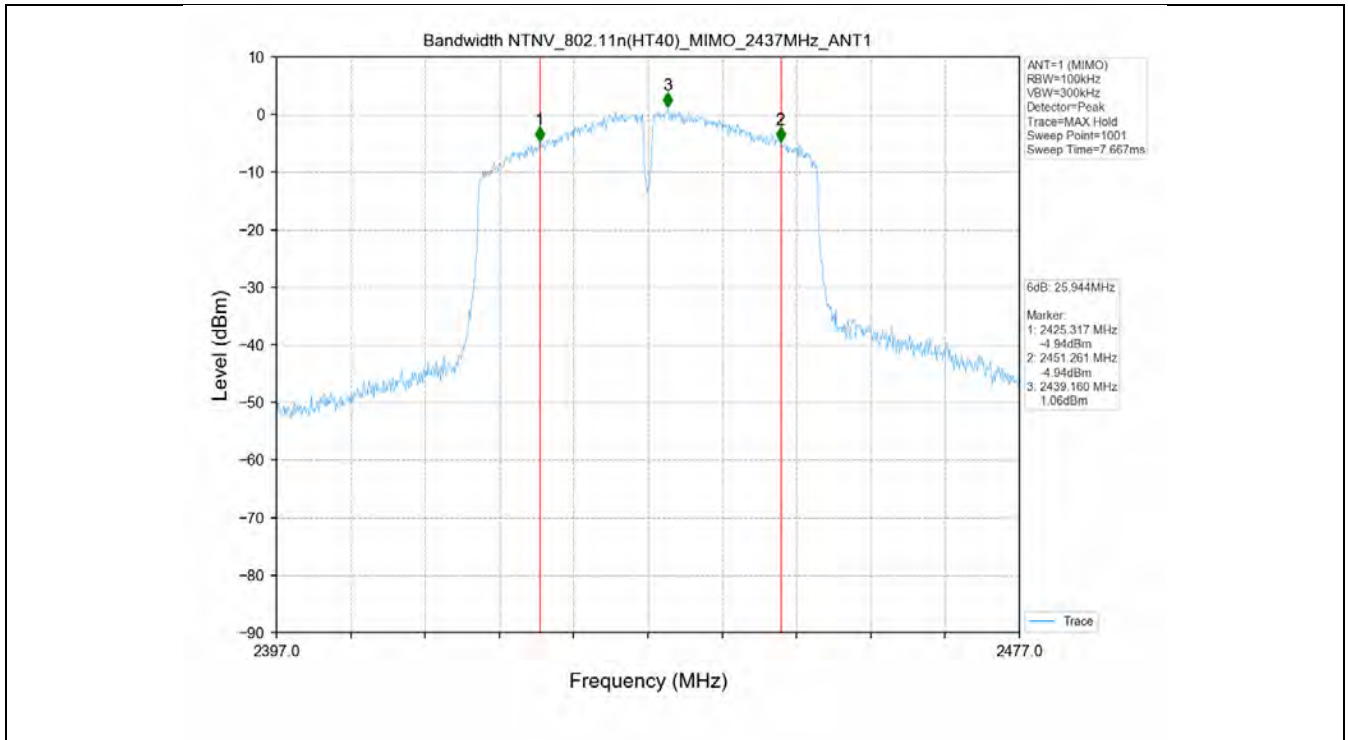


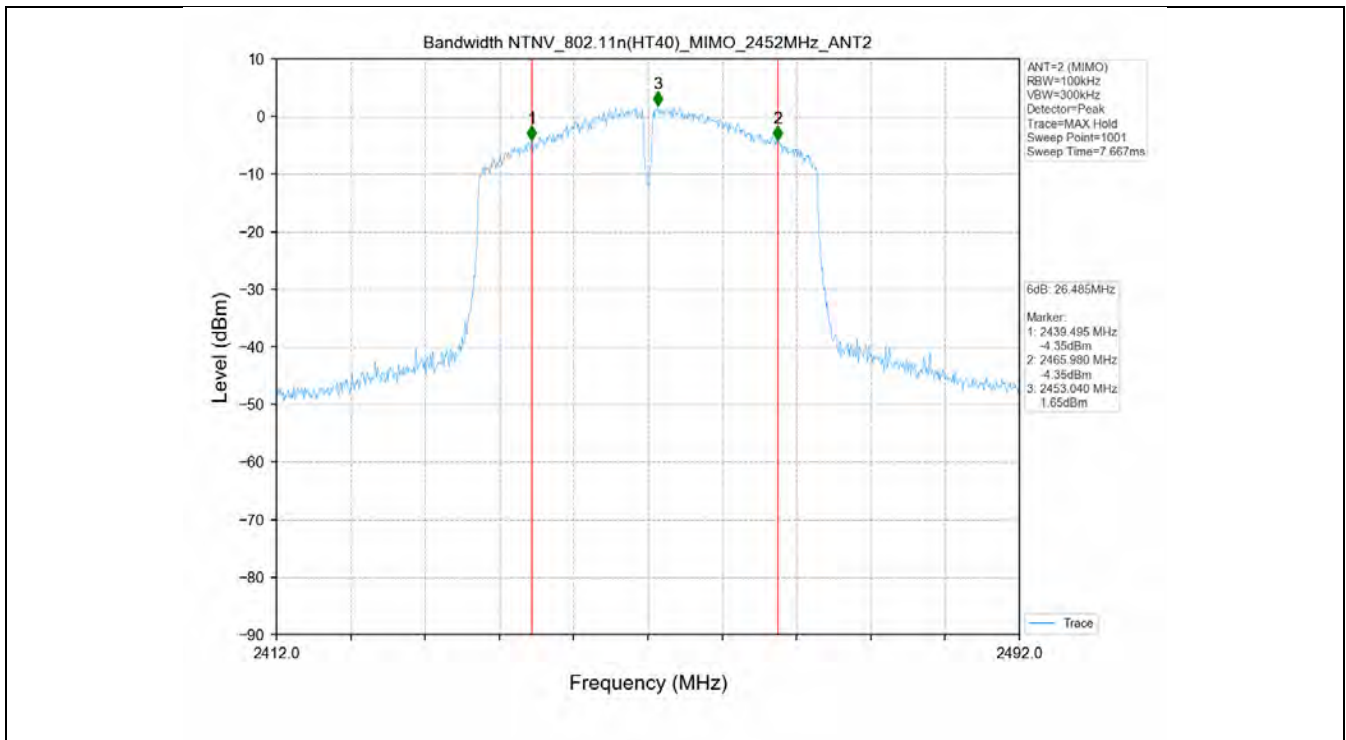
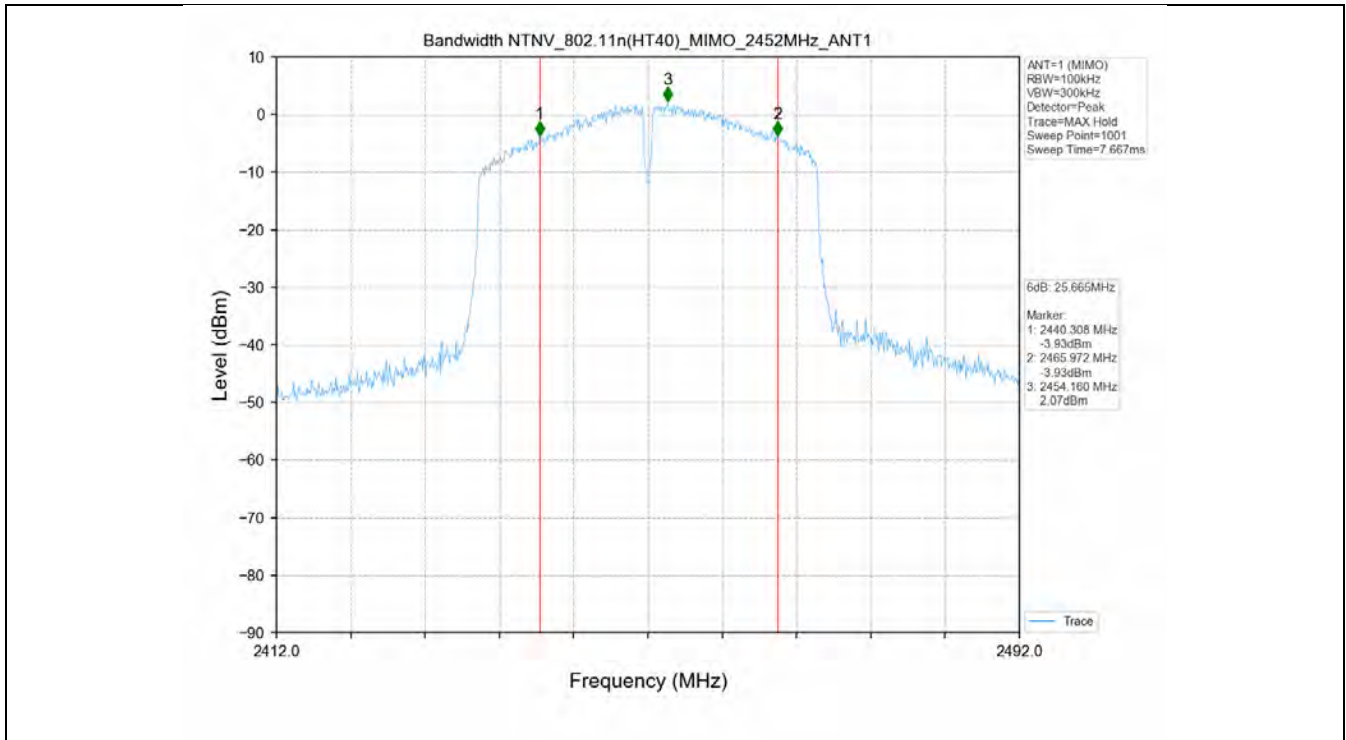






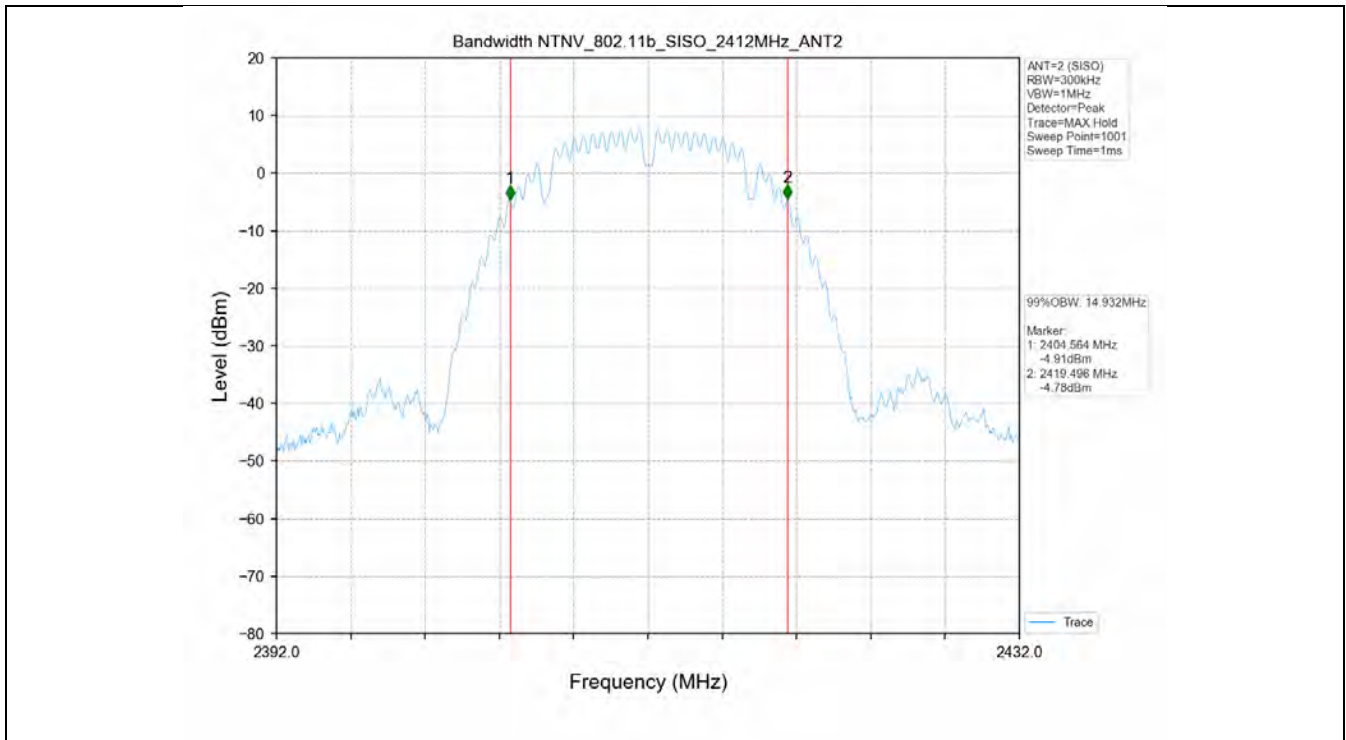
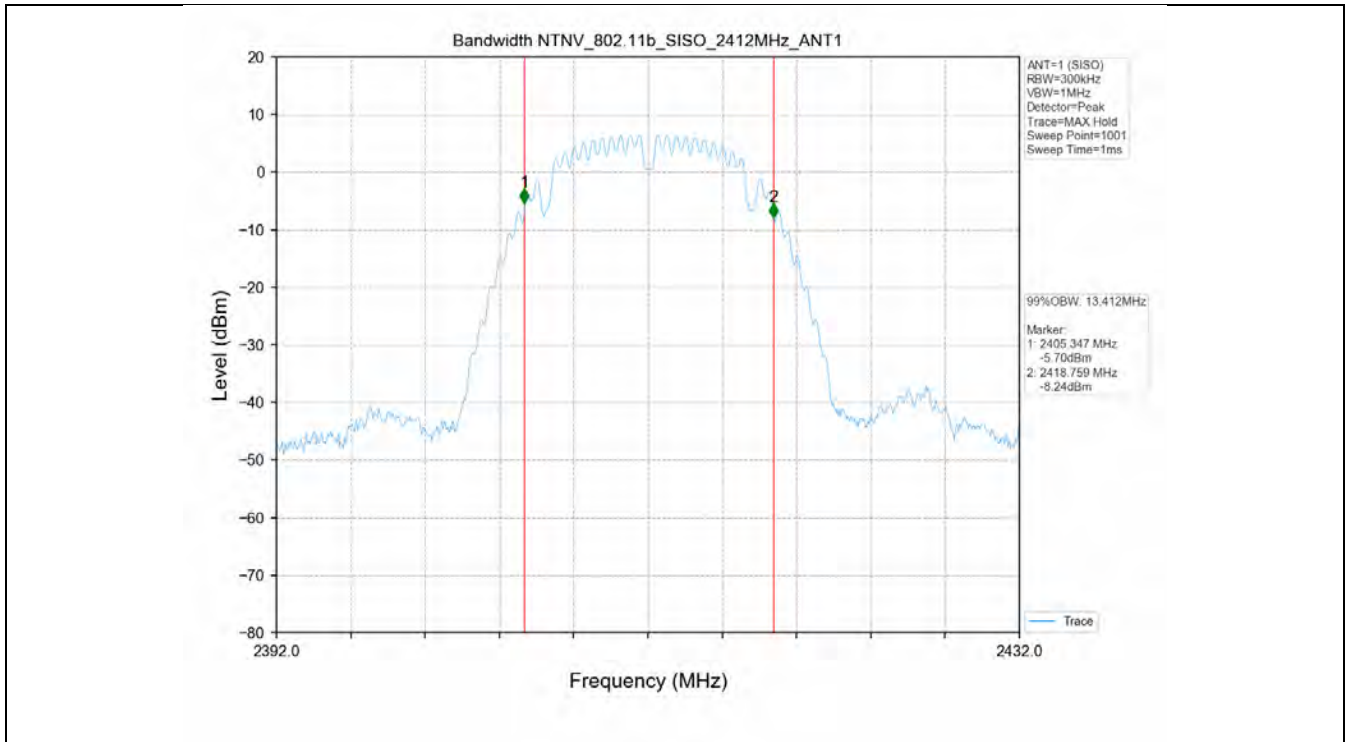


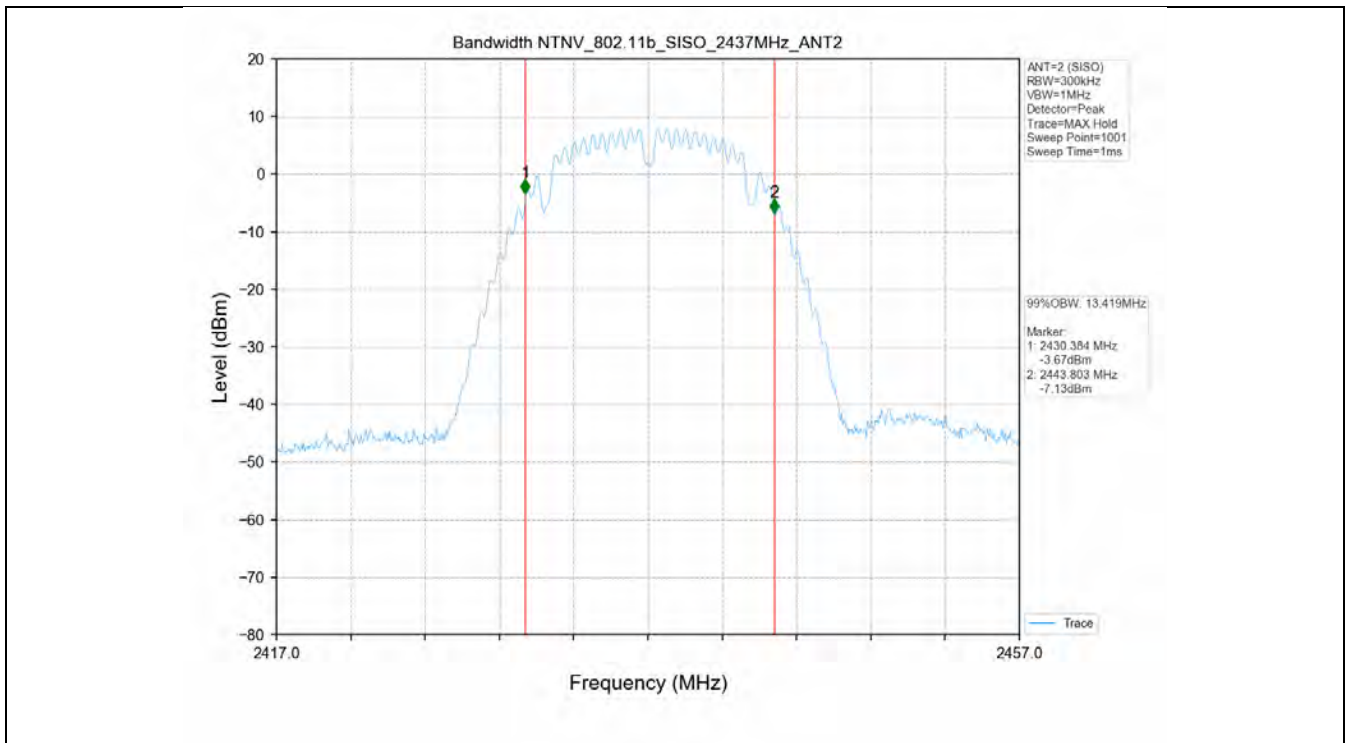
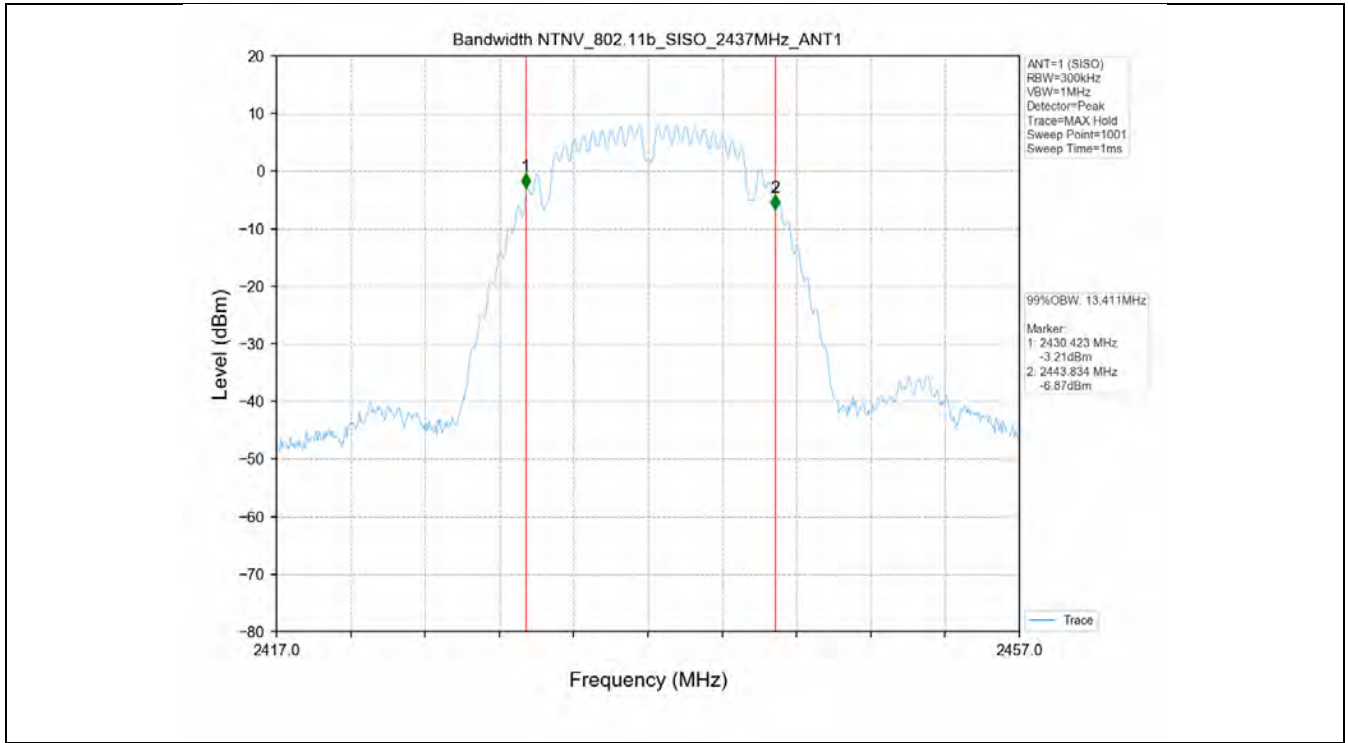


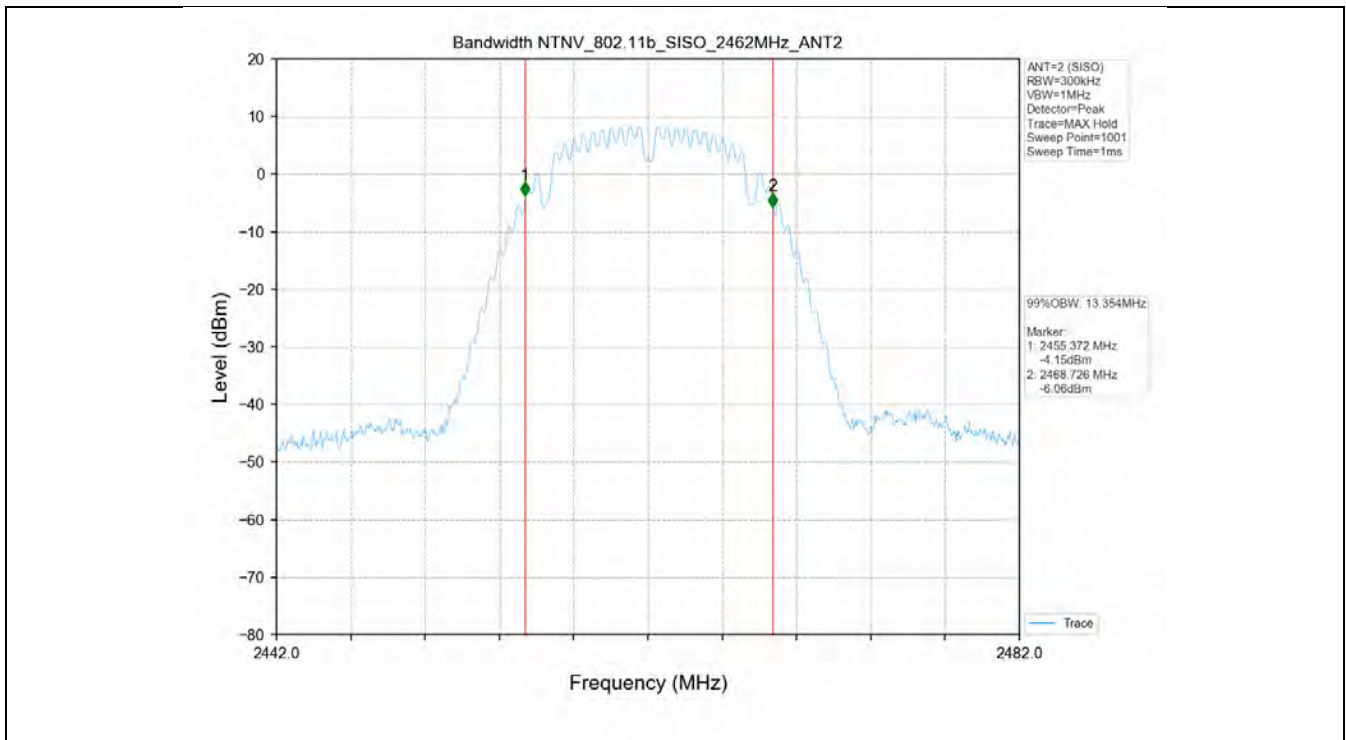
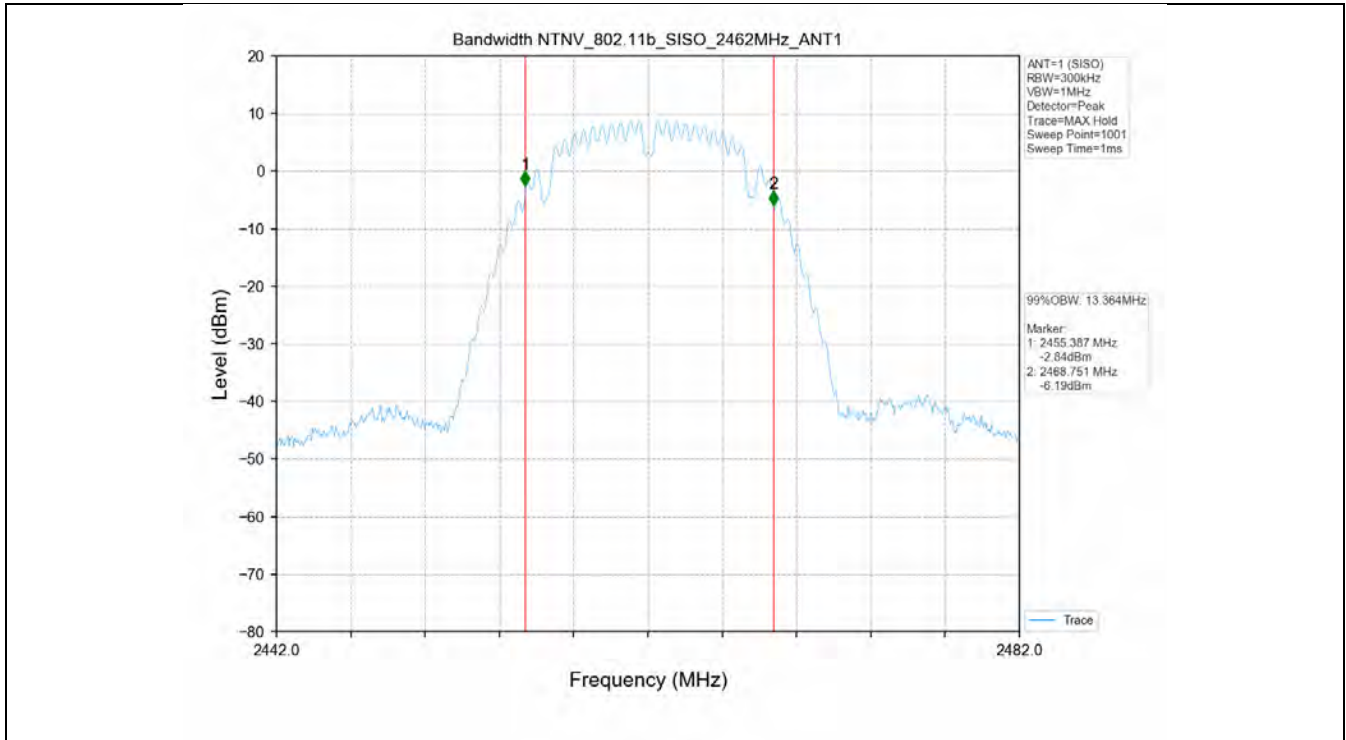


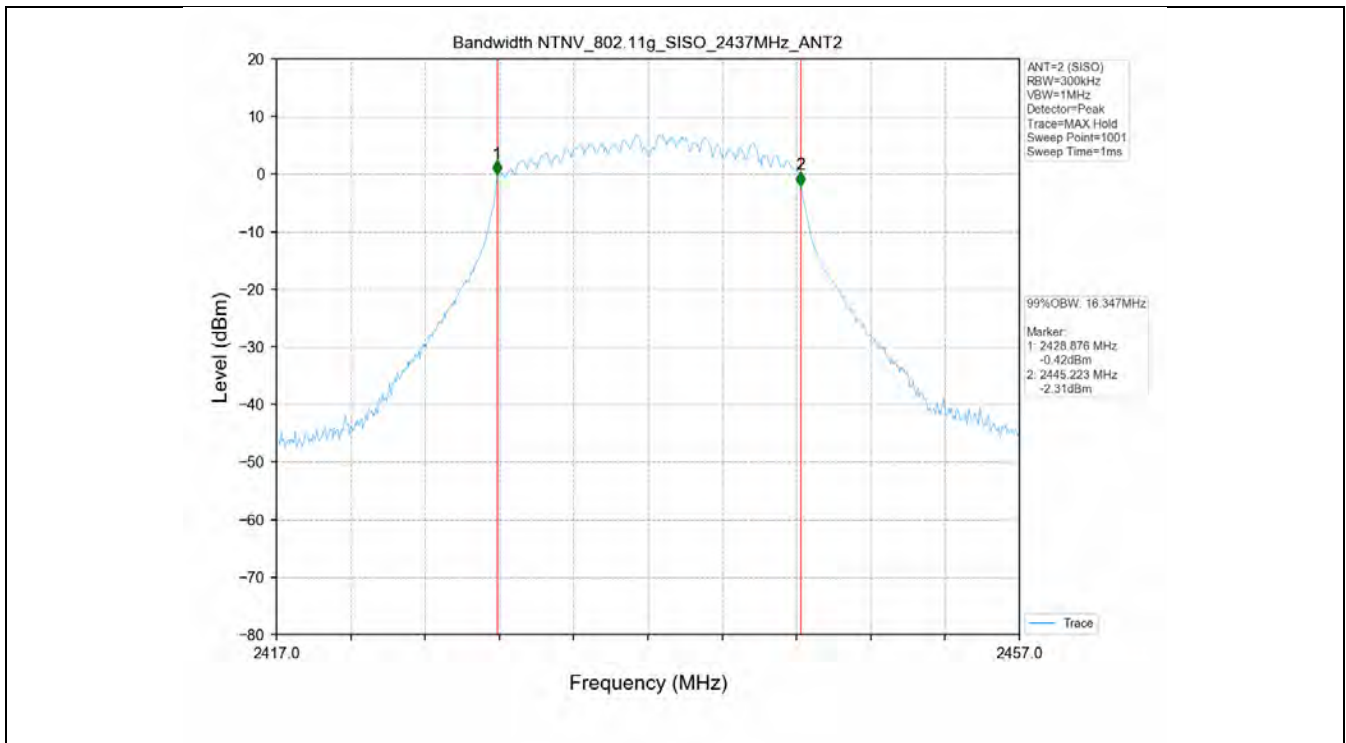
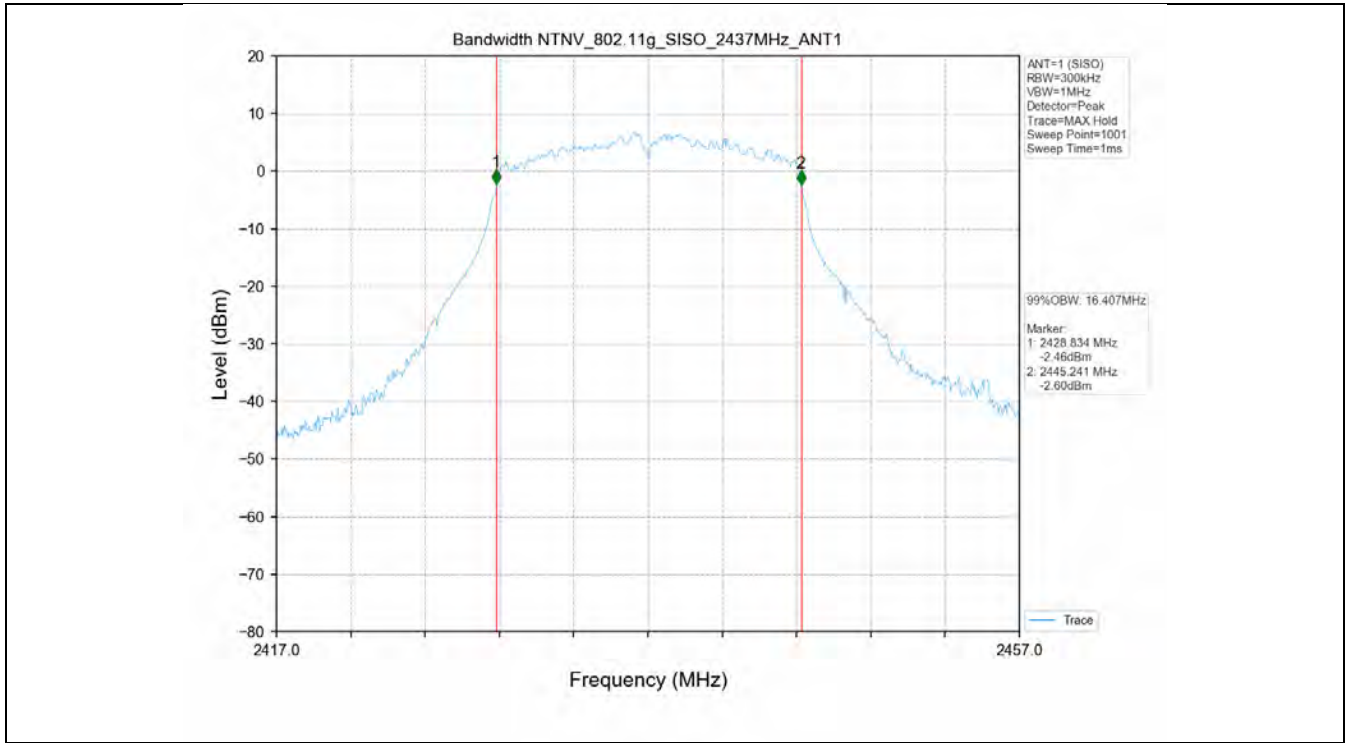


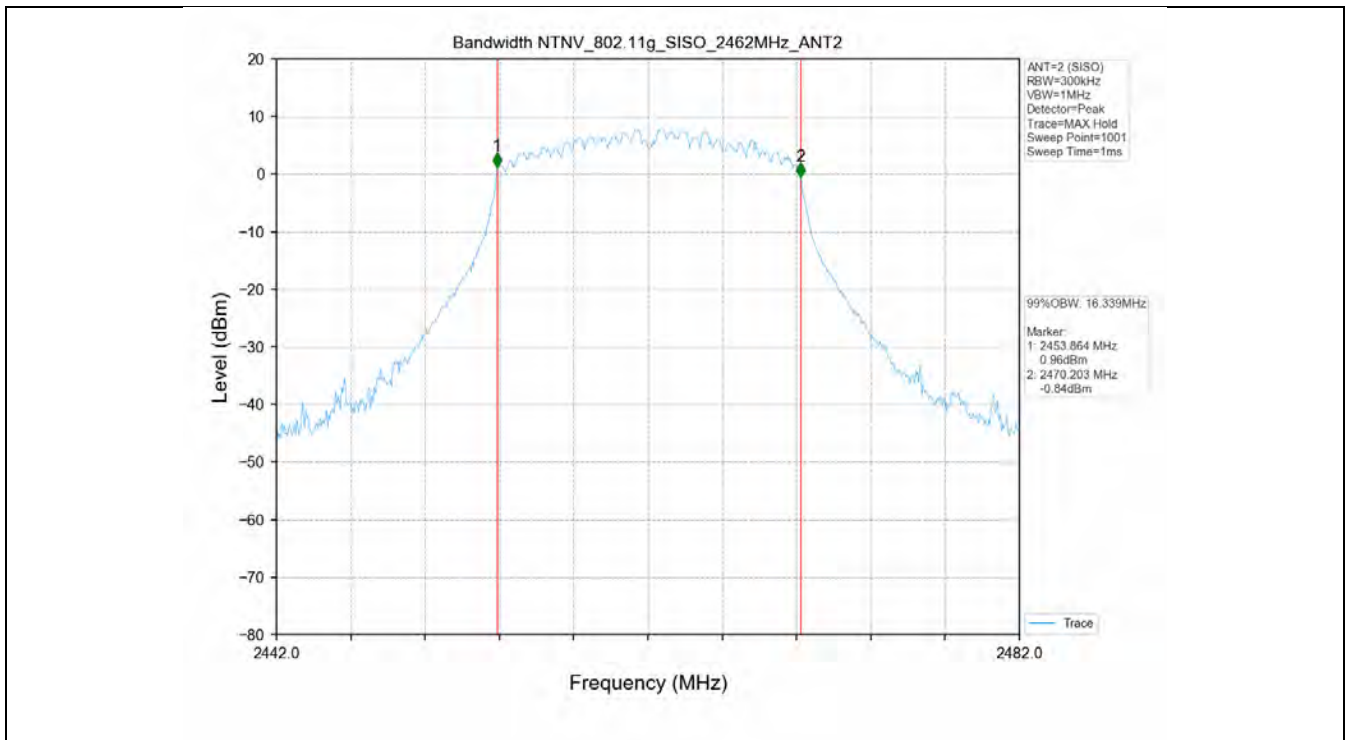
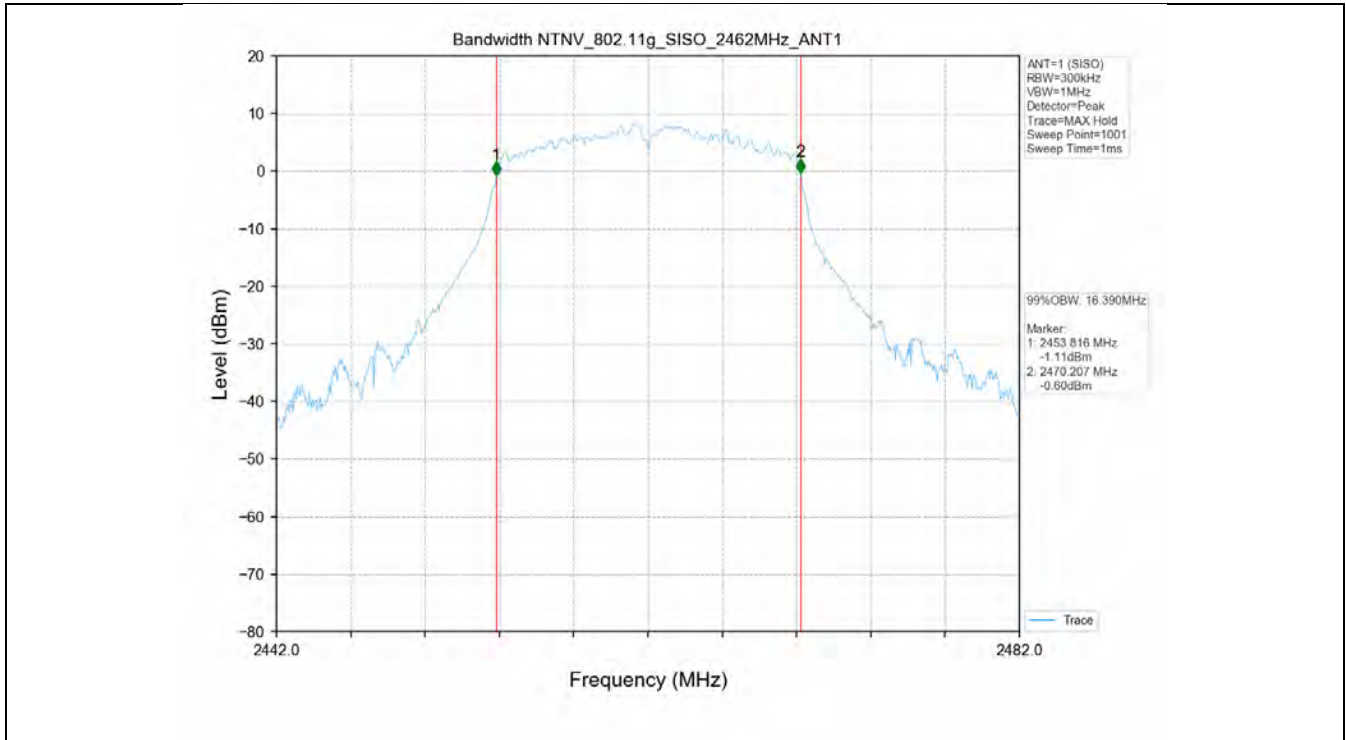
2.3 Test Graph - 99% Occupied Bandwidth

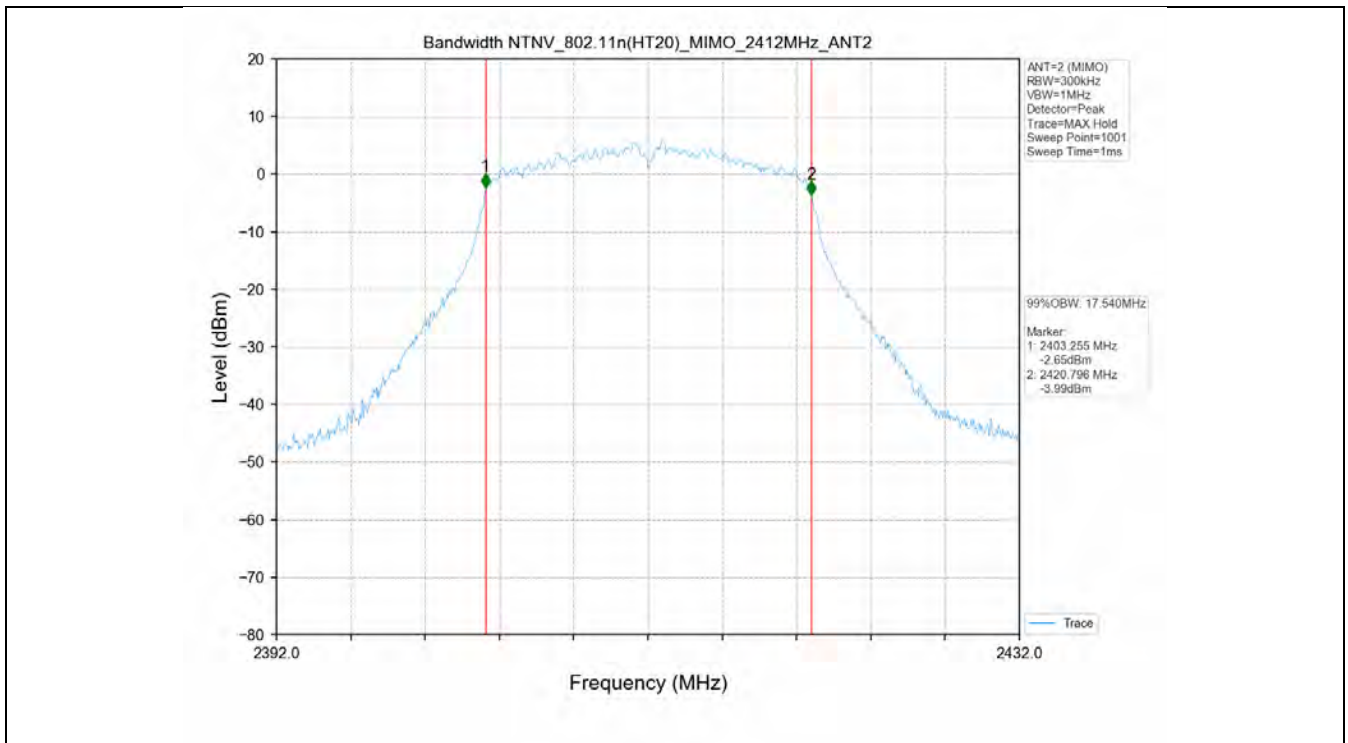
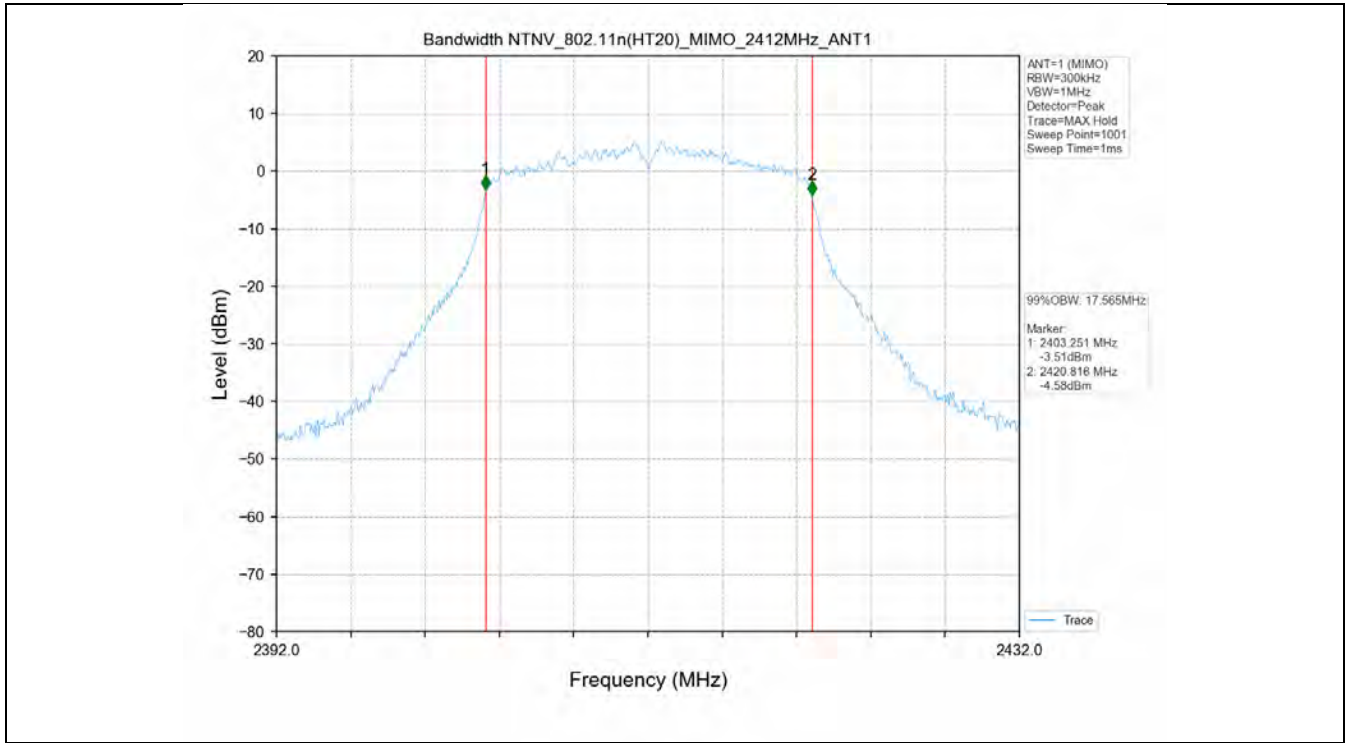


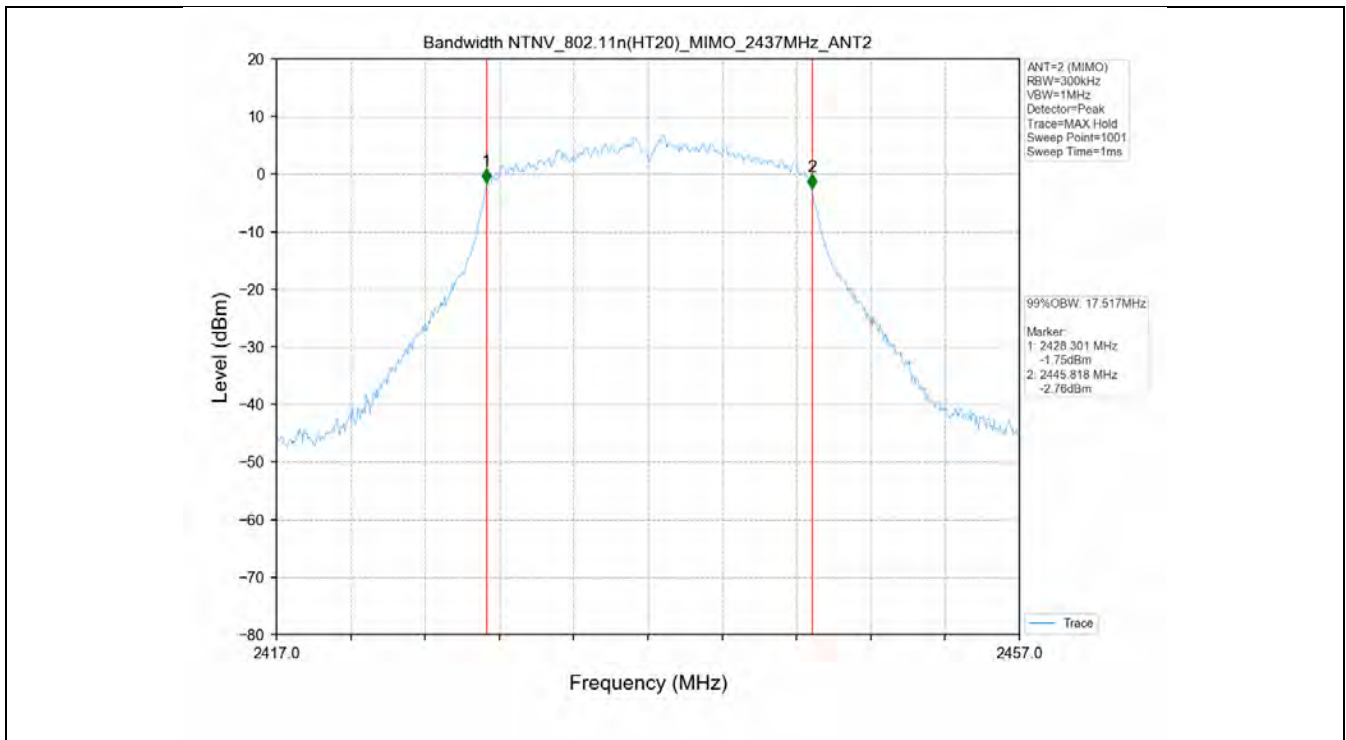
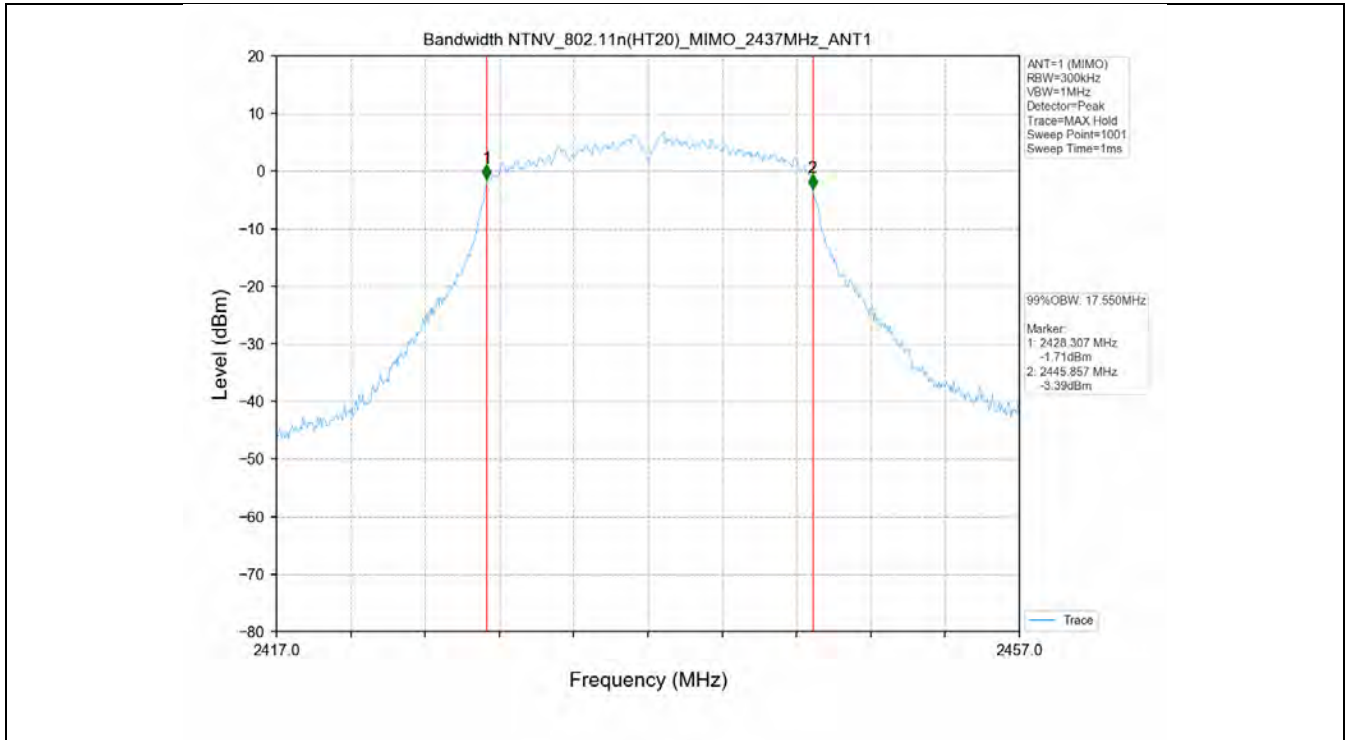


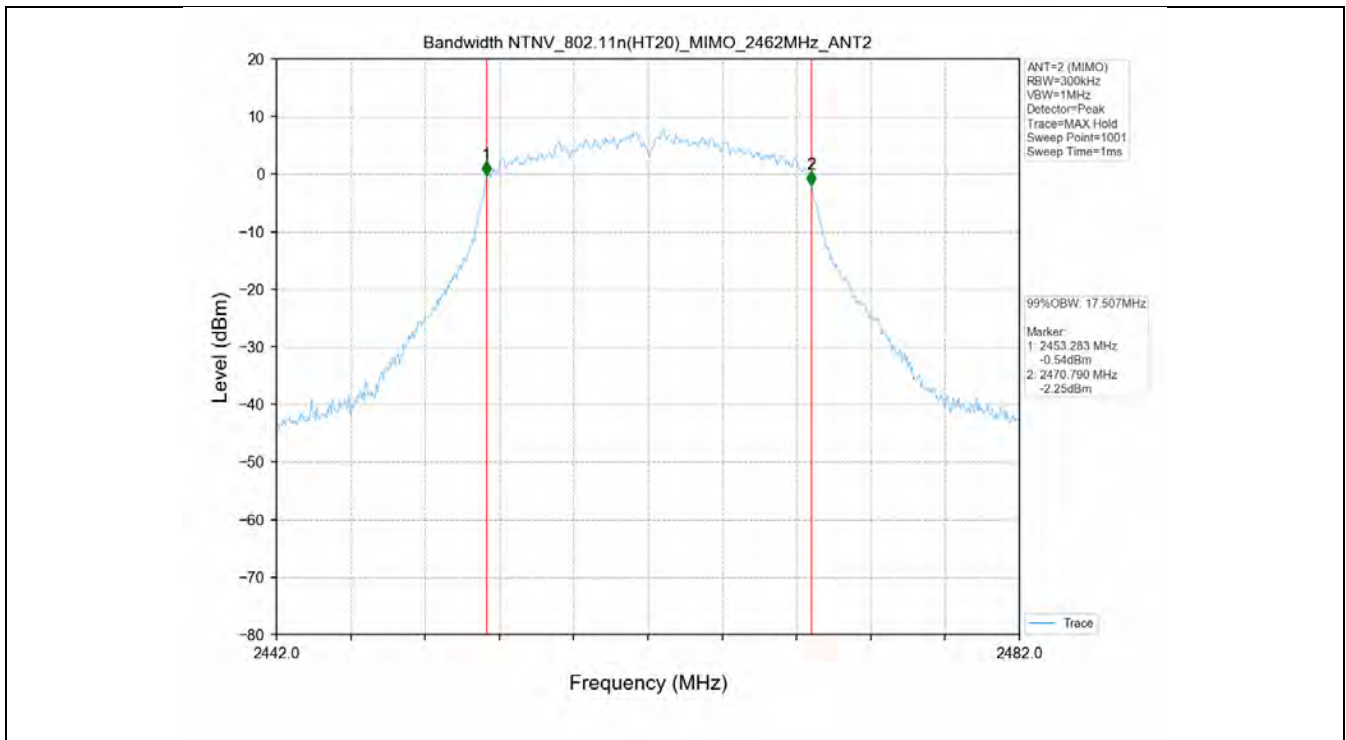
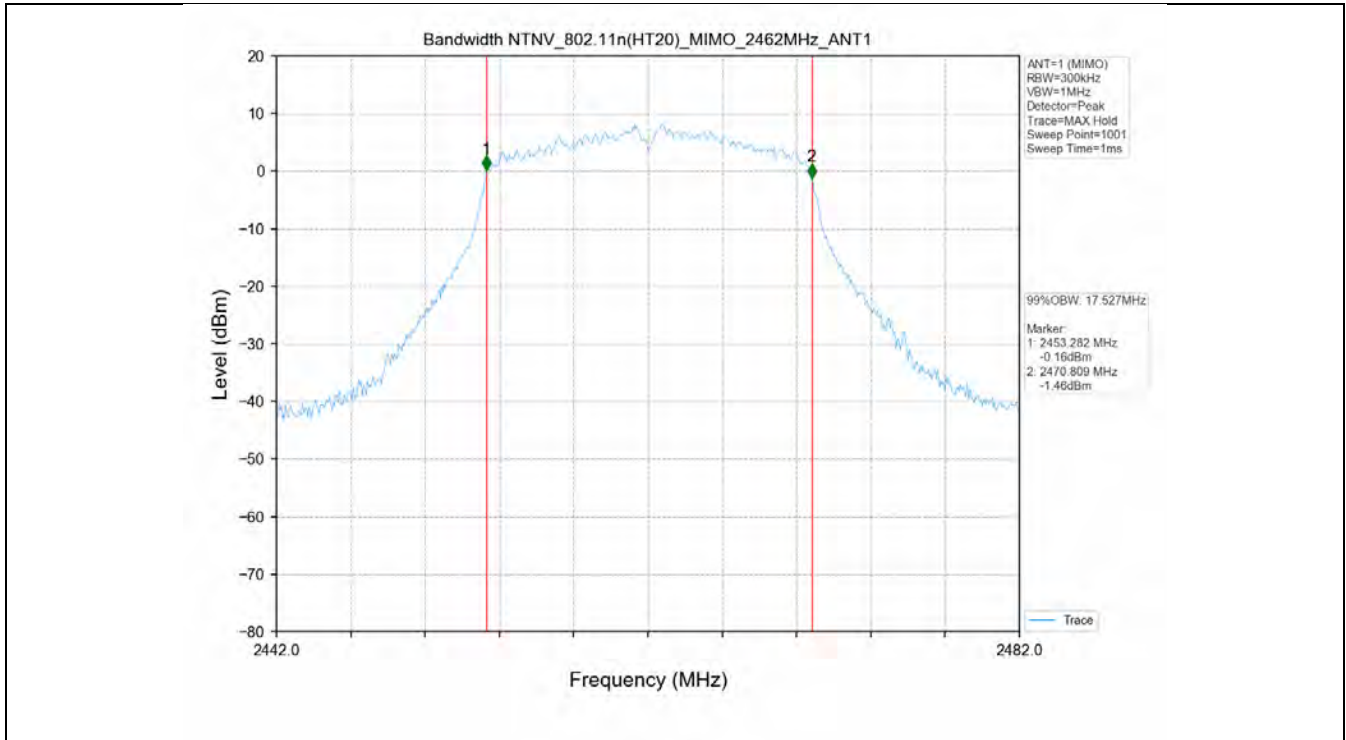


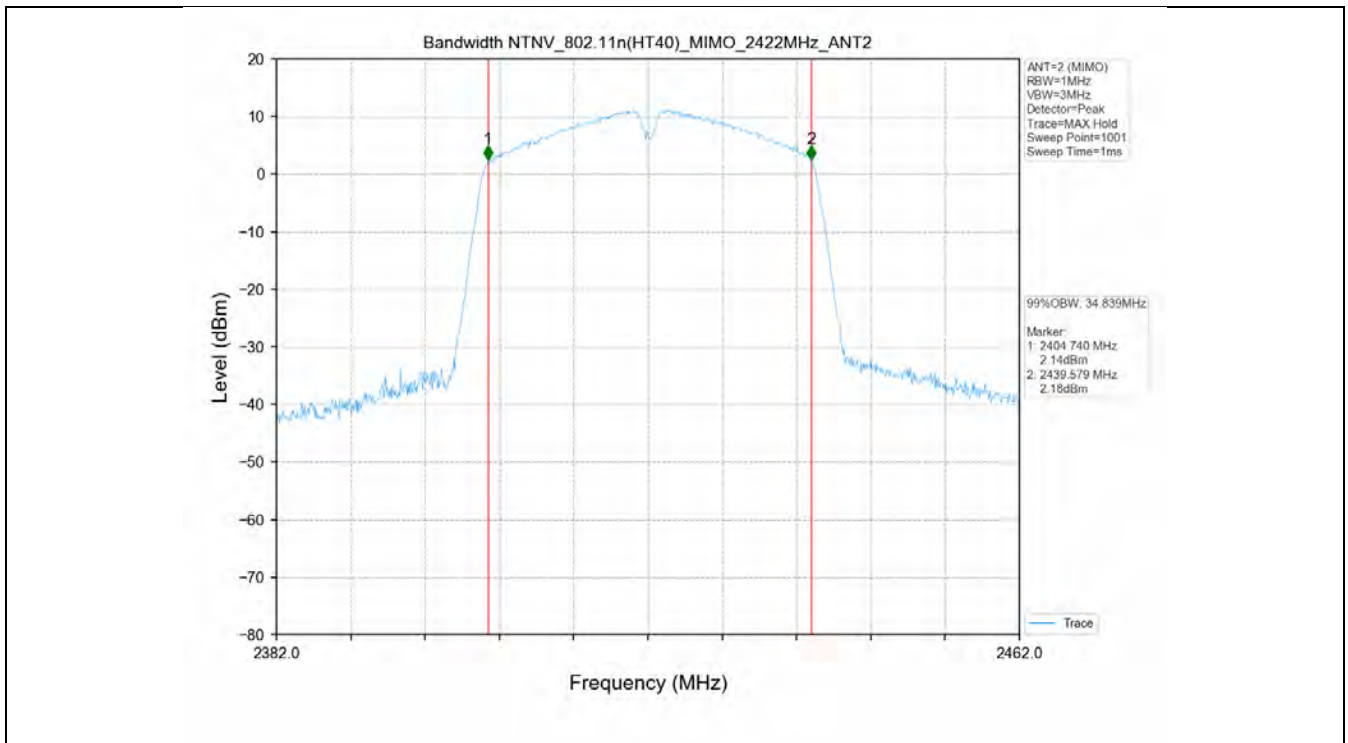
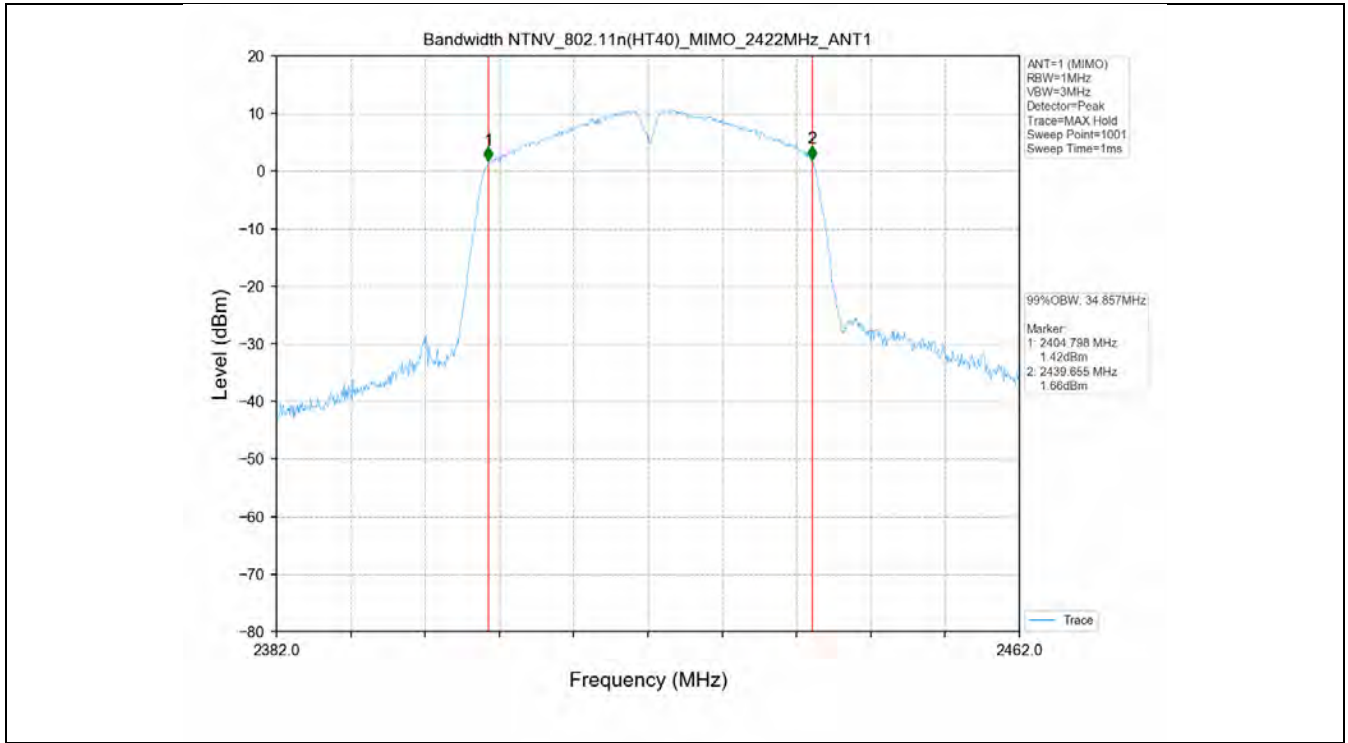


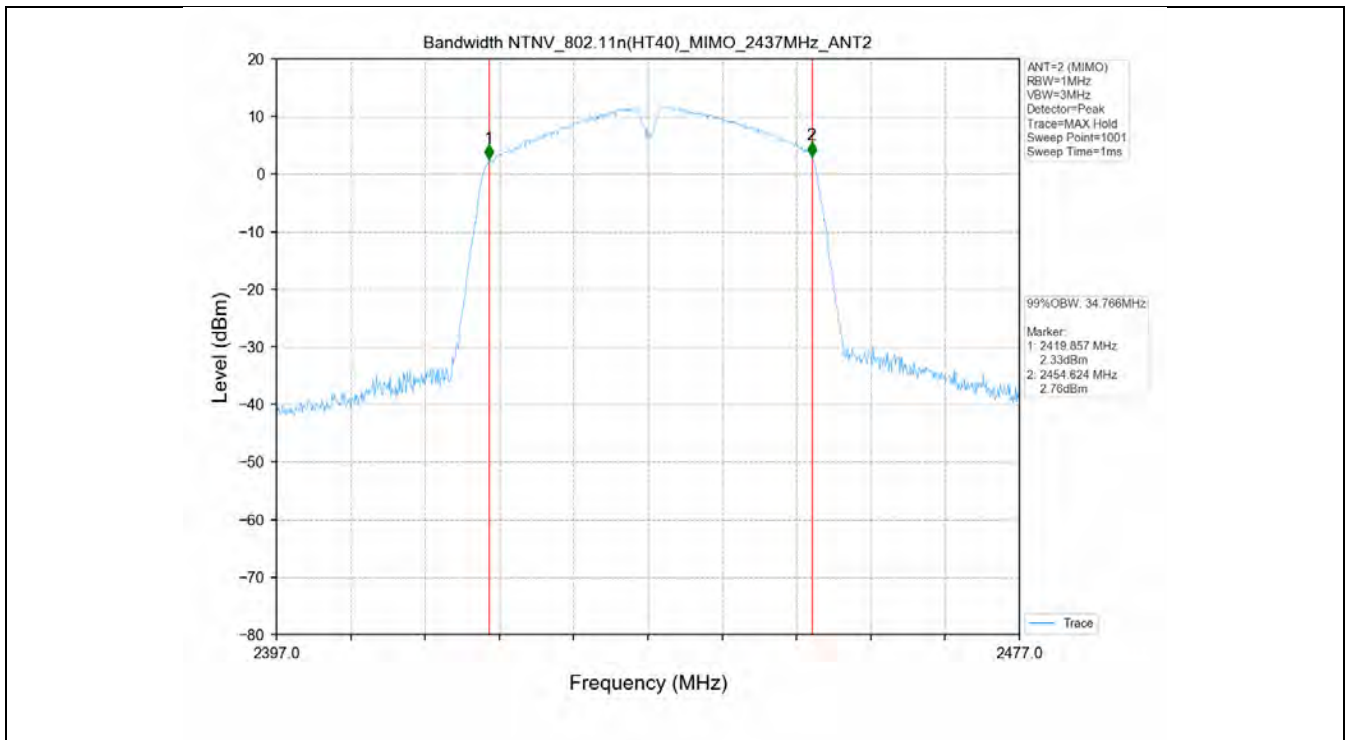
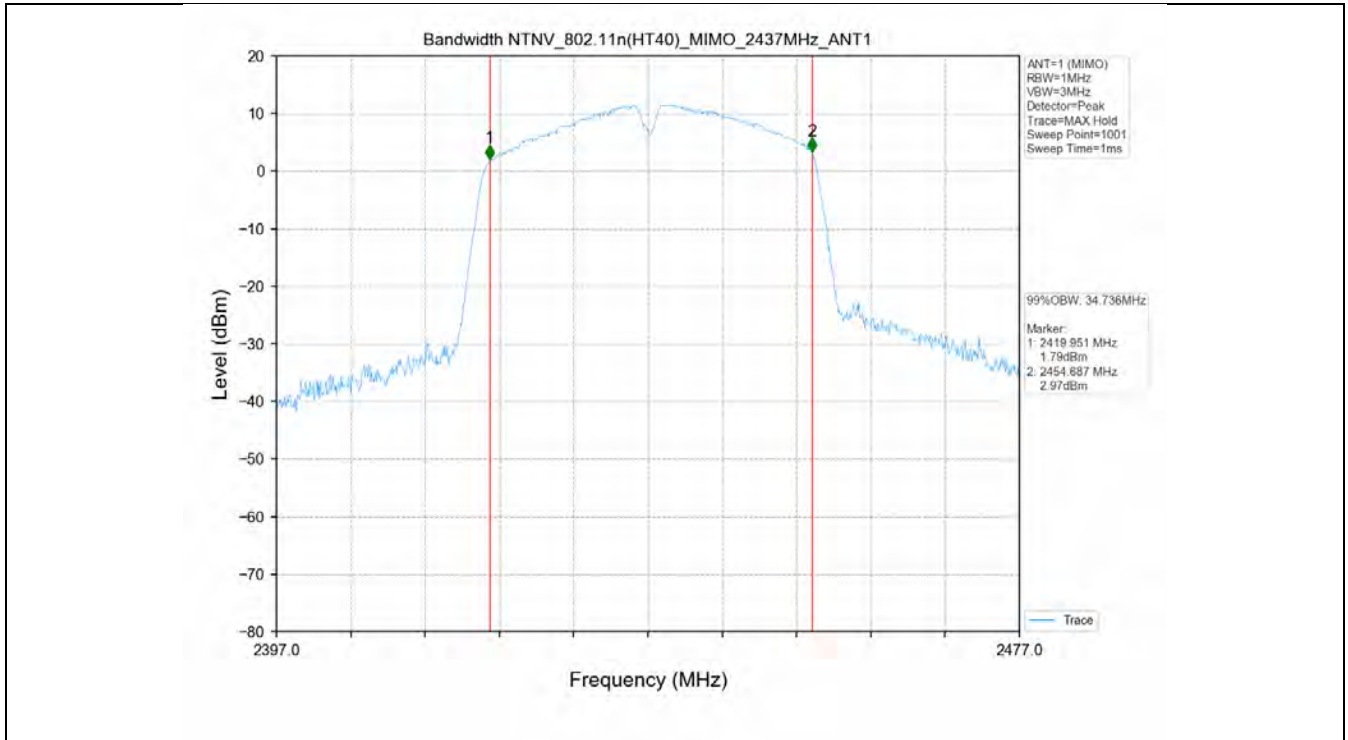


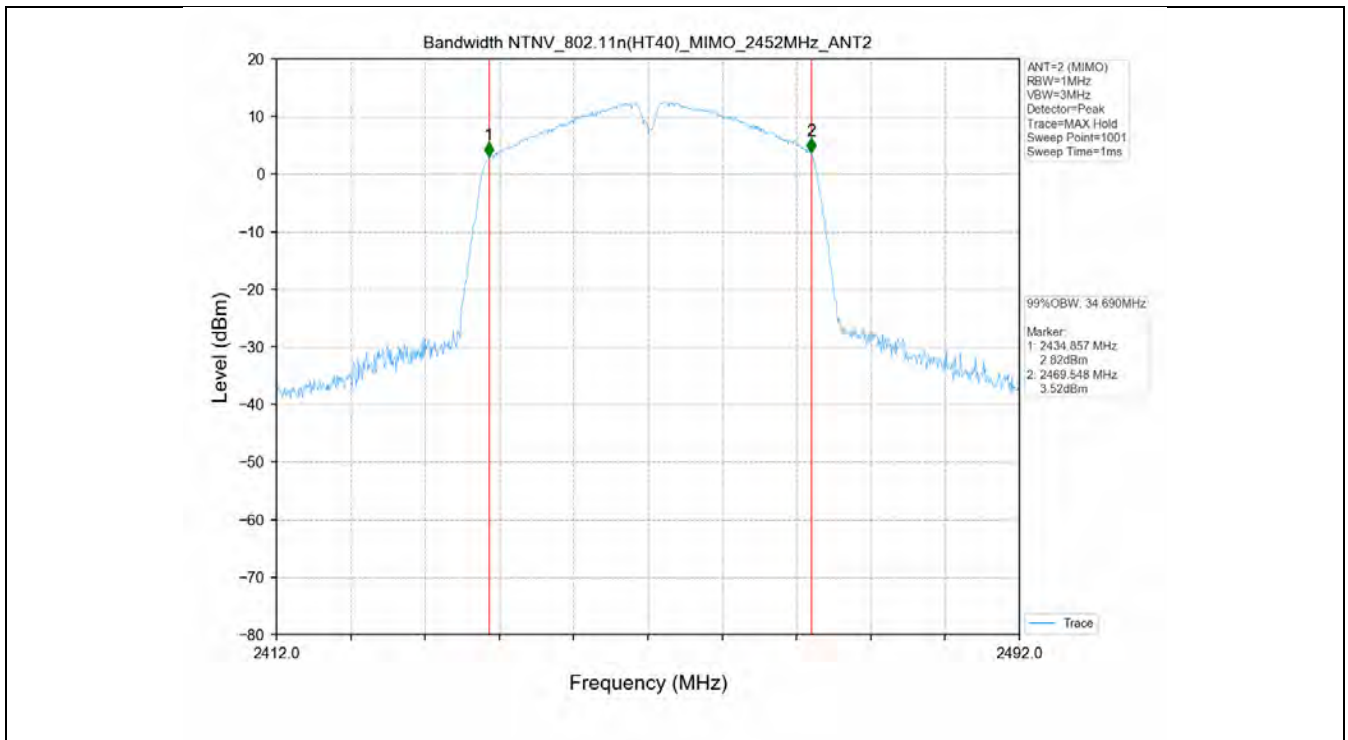
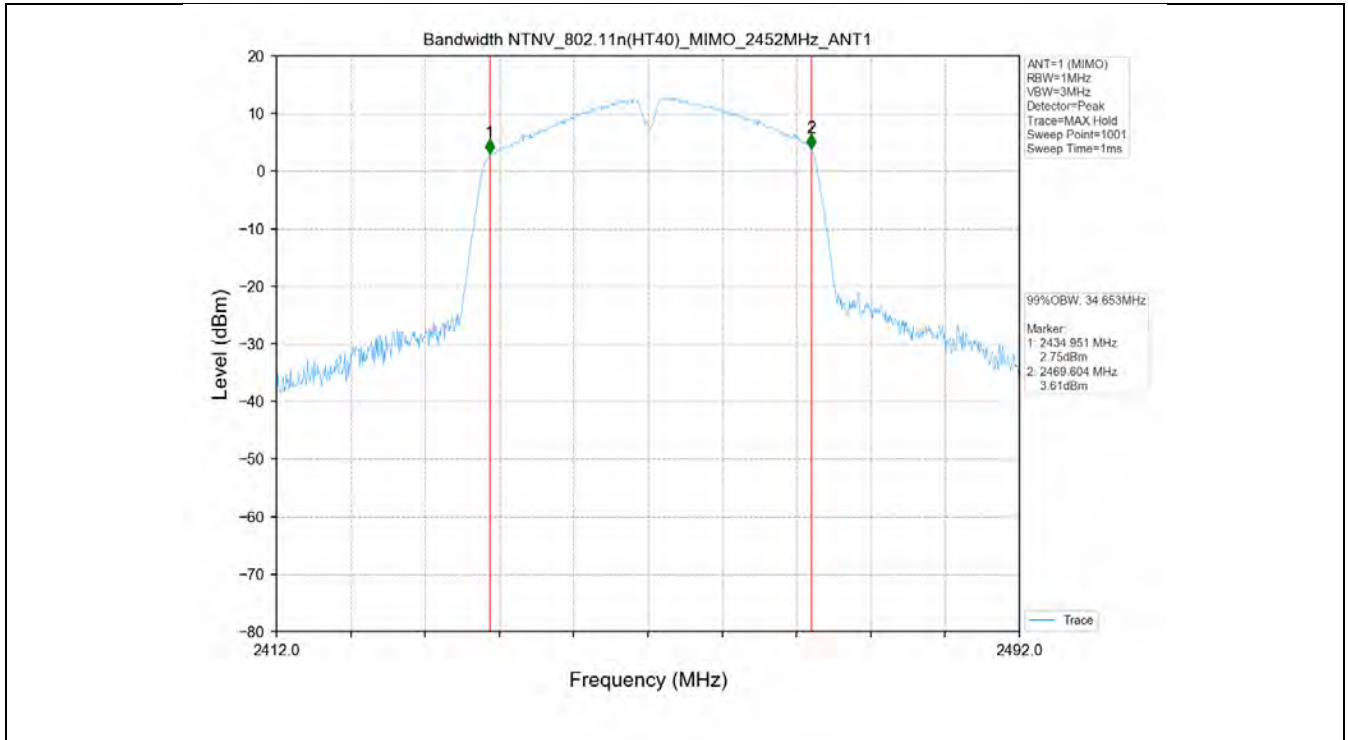












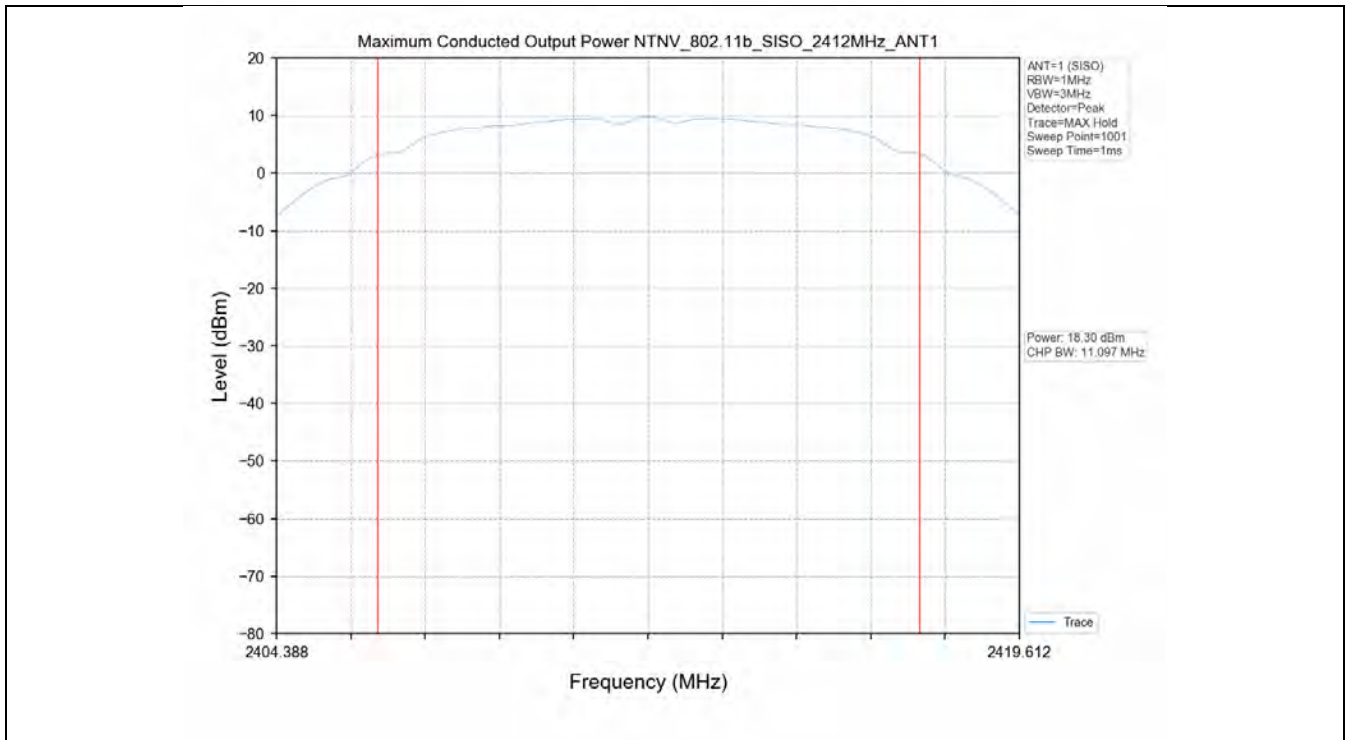


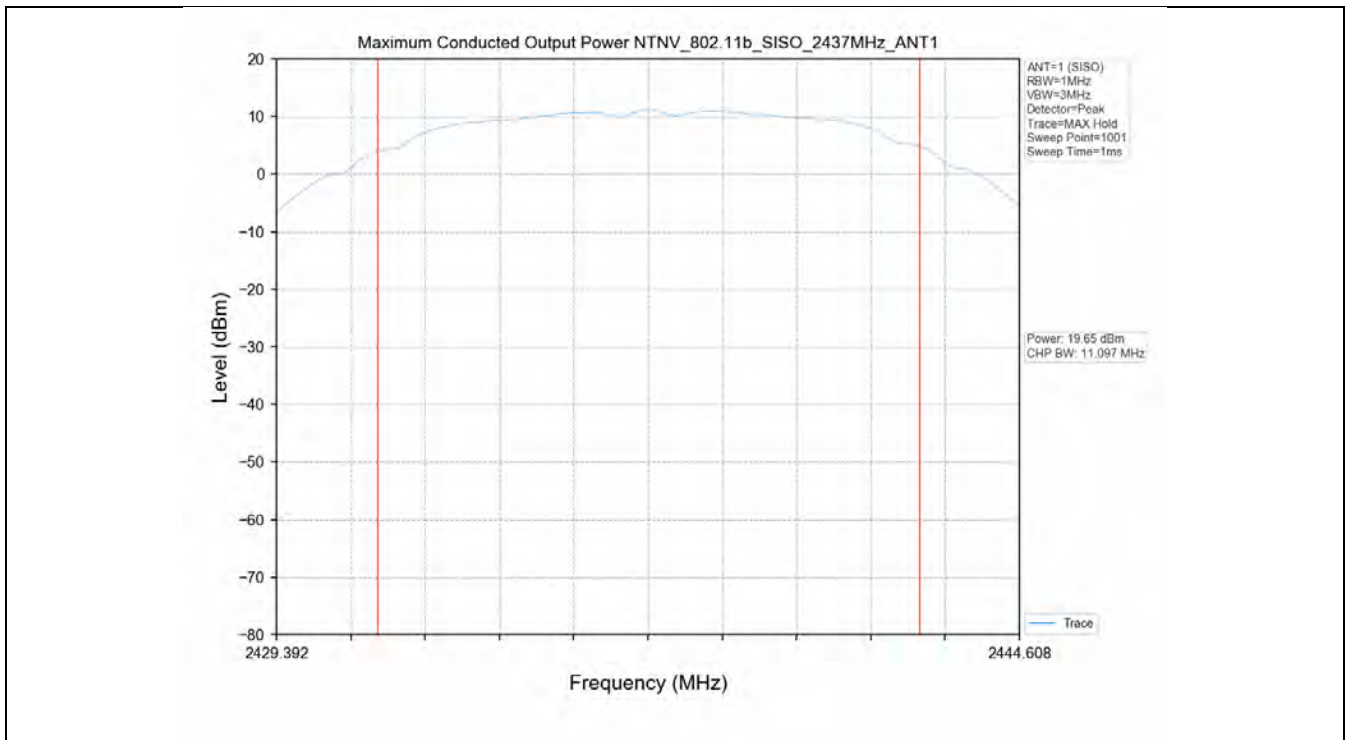
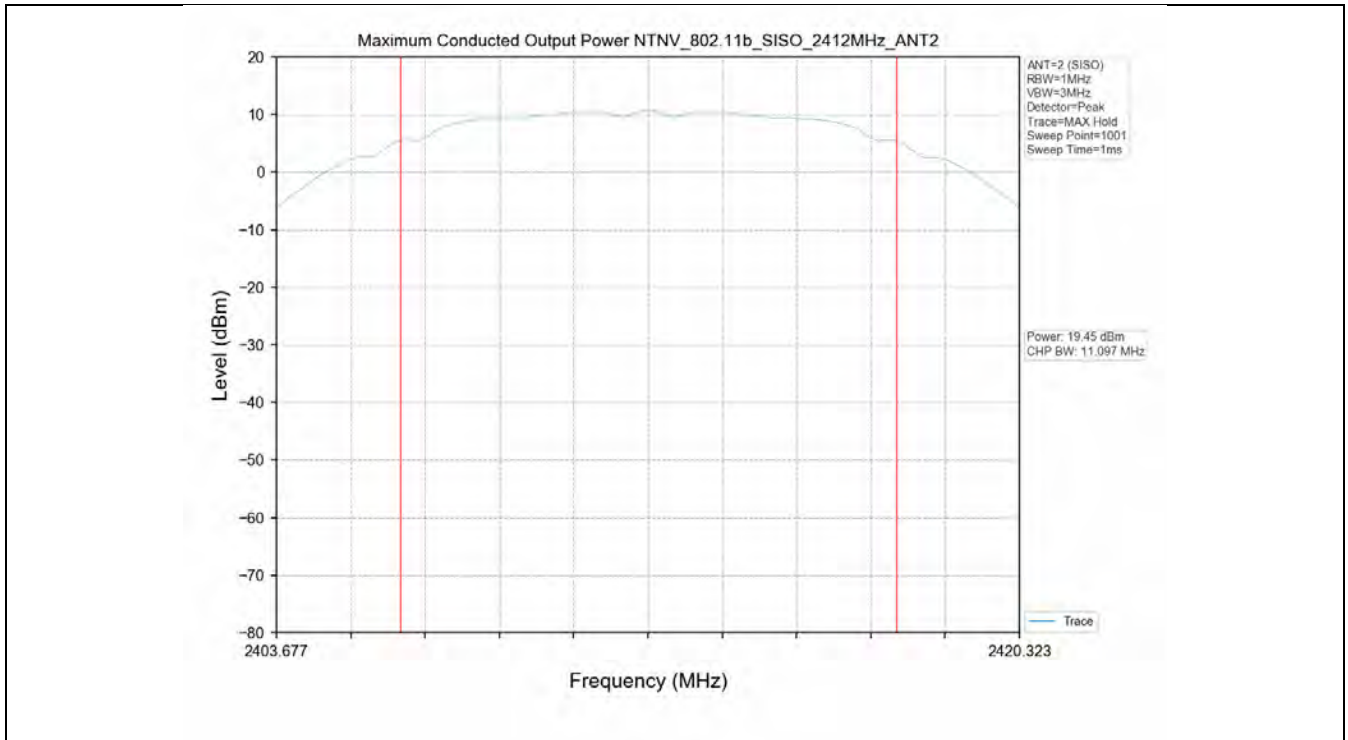
3. Maximum Conducted Output Power

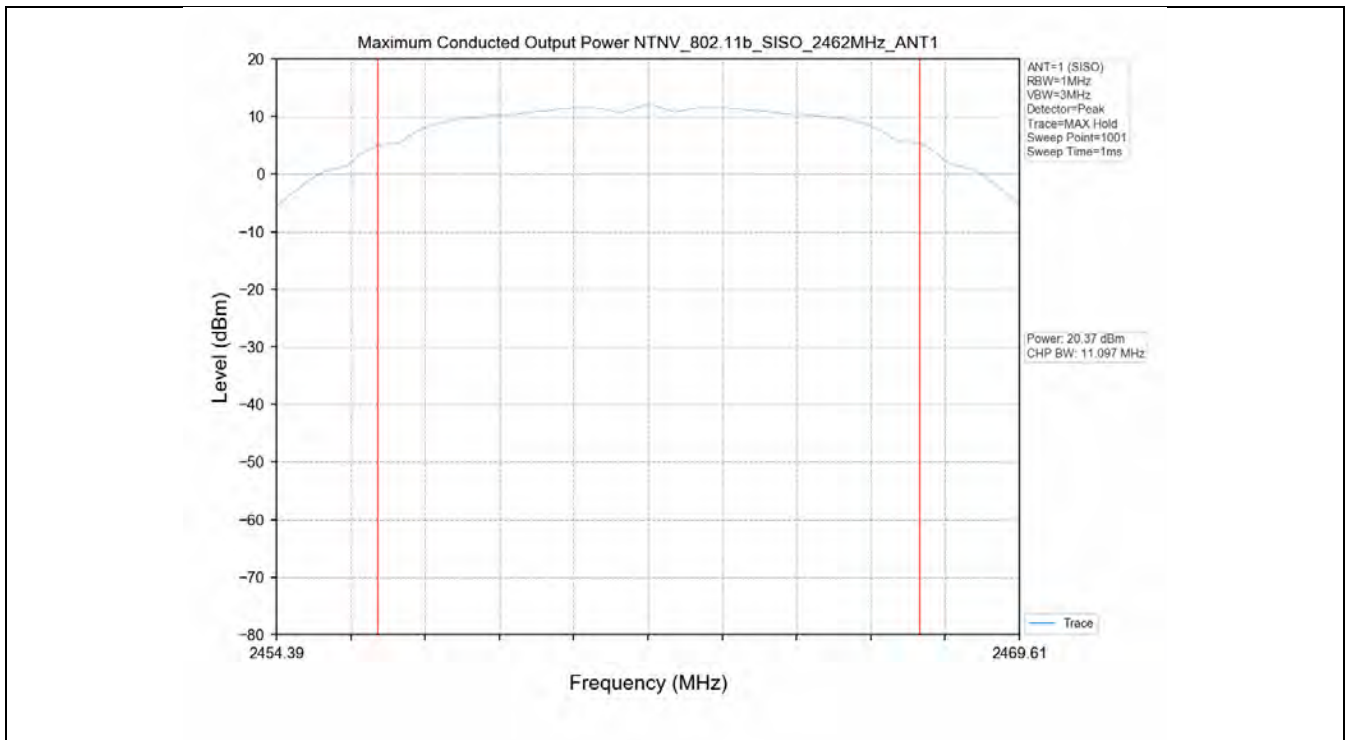
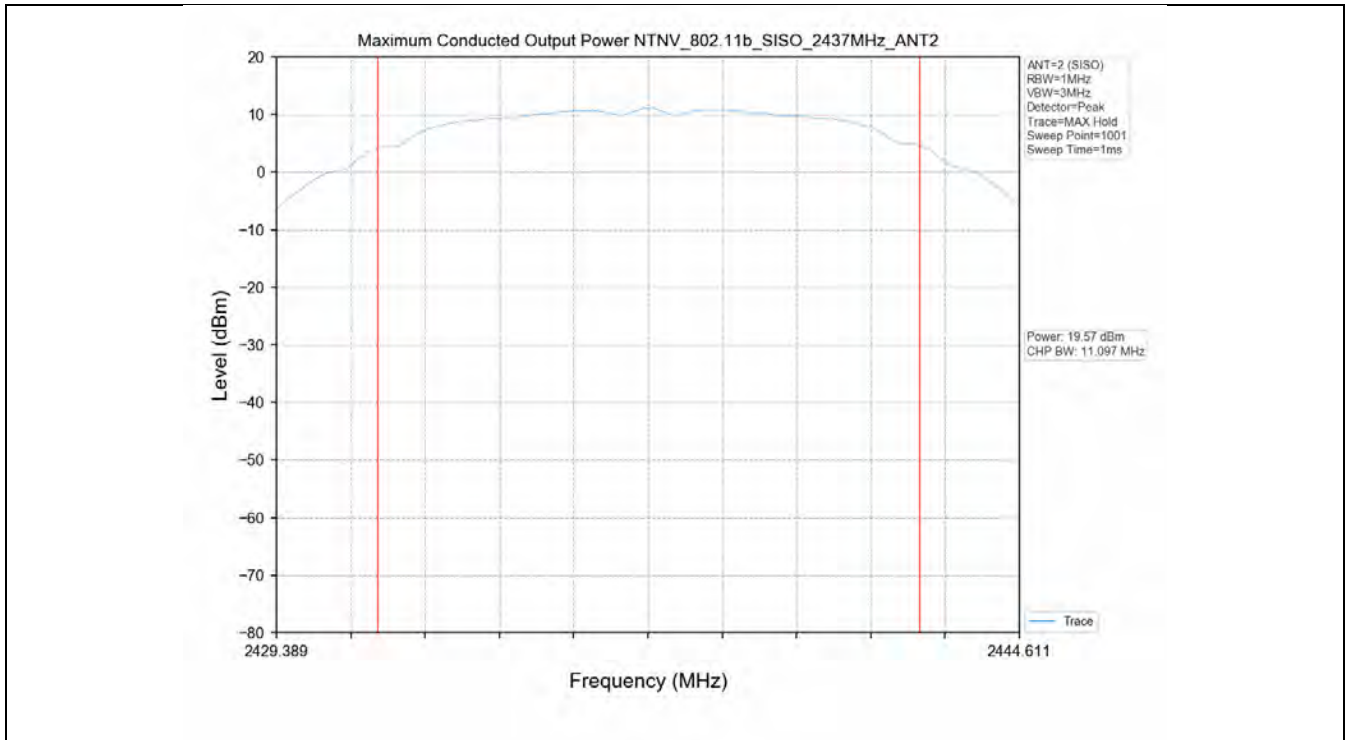
3.1 Test Result

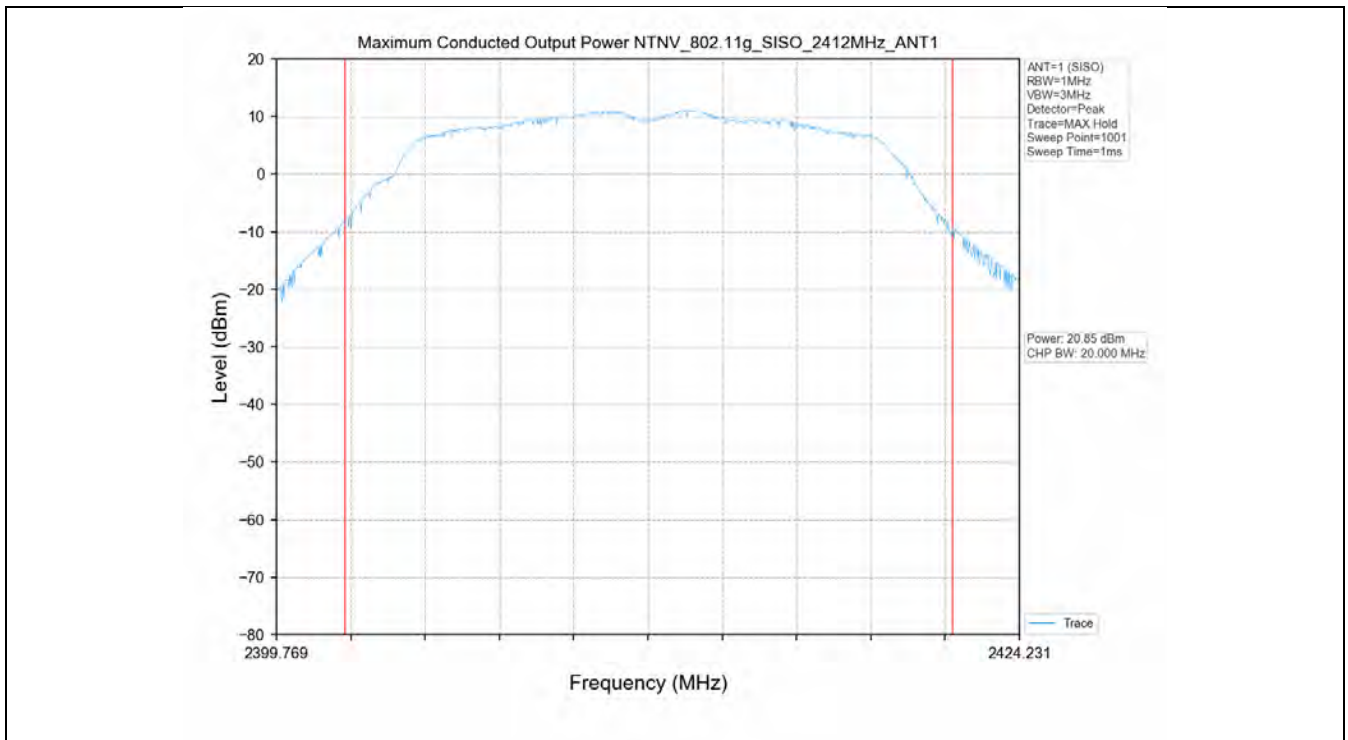
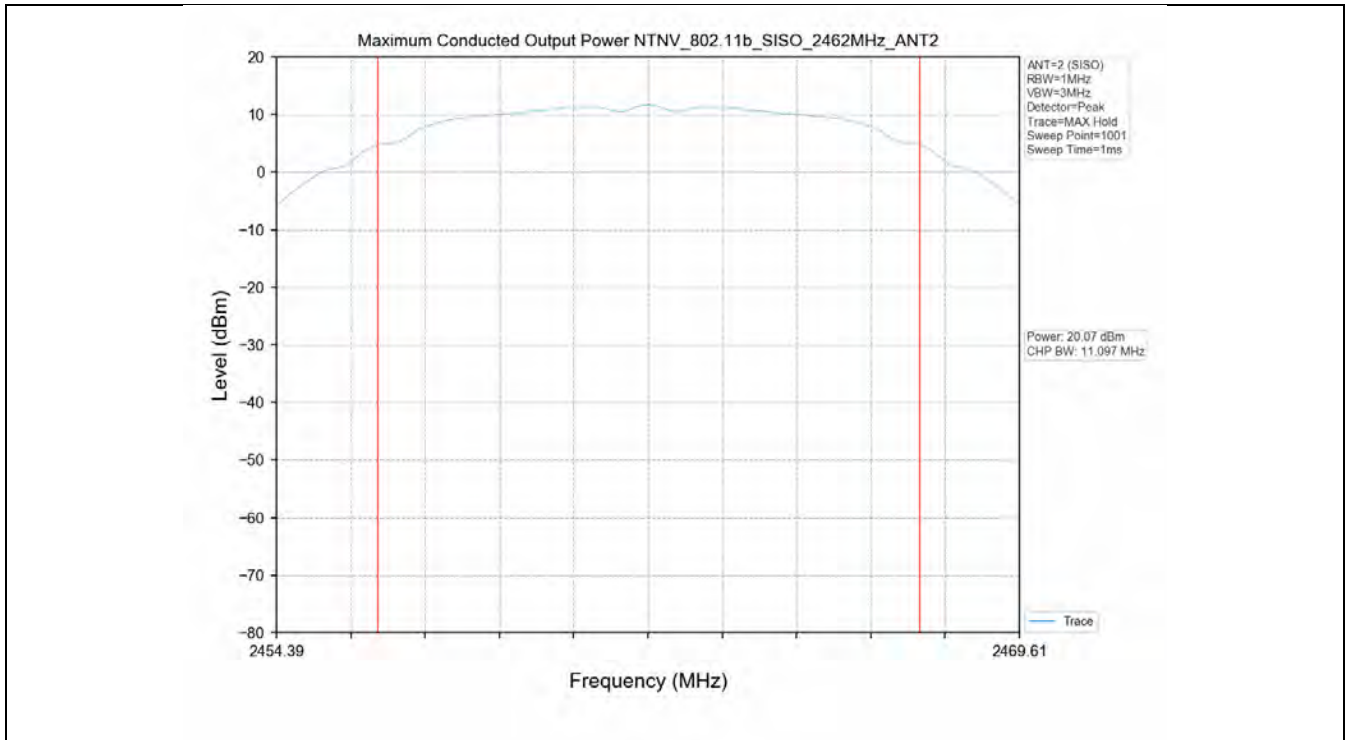
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	18.30	19.45	/	30	PASS
	2437	SISO	19.65	19.57	/	30	PASS
	2462	SISO	20.37	20.07	/	30	PASS
802.11g	2412	SISO	20.85	20.35	/	30	PASS
	2437	SISO	21.13	21.01	/	30	PASS
	2462	SISO	20.50	21.11	/	30	PASS
802.11n(HT20)	2412	MIMO	20.64	21.16	23.92	30	PASS
	2437	MIMO	21.04	20.88	23.97	30	PASS
	2462	MIMO	20.50	20.95	23.74	30	PASS
802.11n(HT40)	2422	MIMO	20.28	20.81	23.56	30	PASS
	2437	MIMO	20.32	20.40	23.37	30	PASS
	2452	MIMO	20.35	20.10	23.24	30	PASS

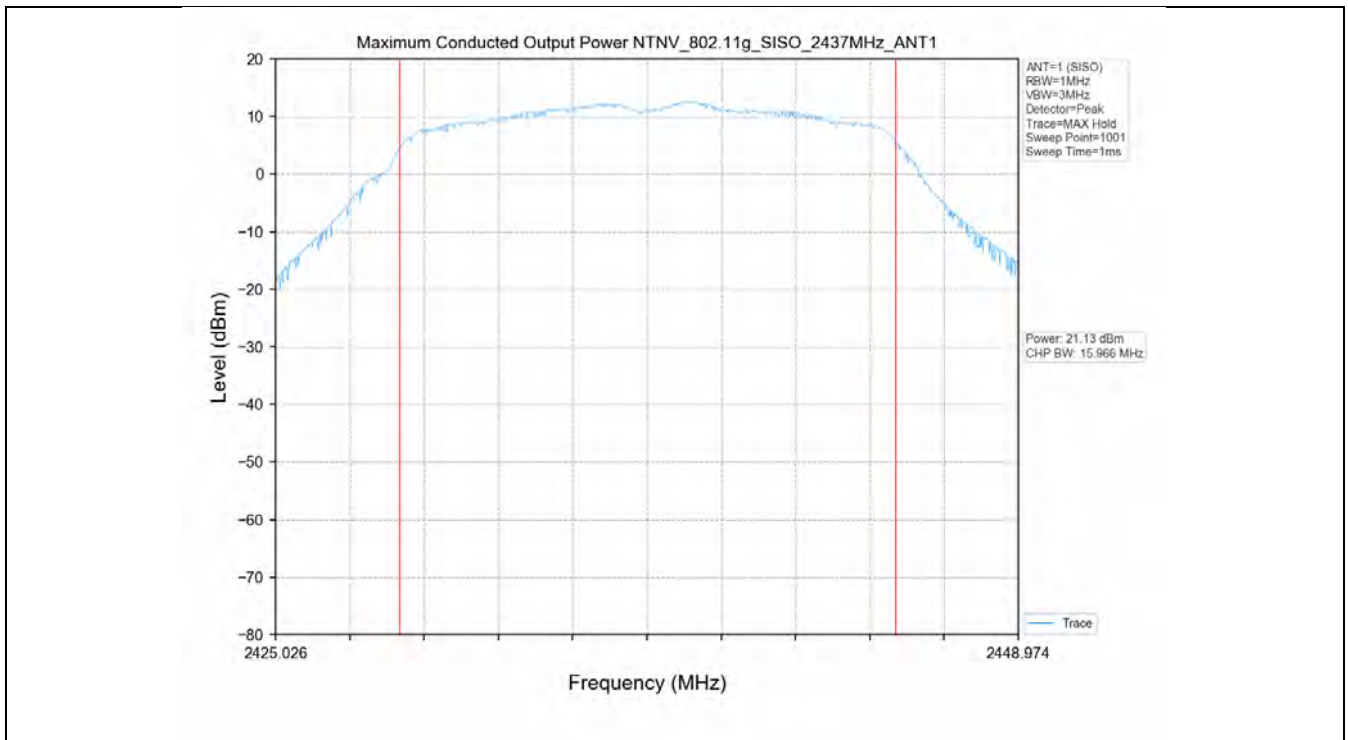
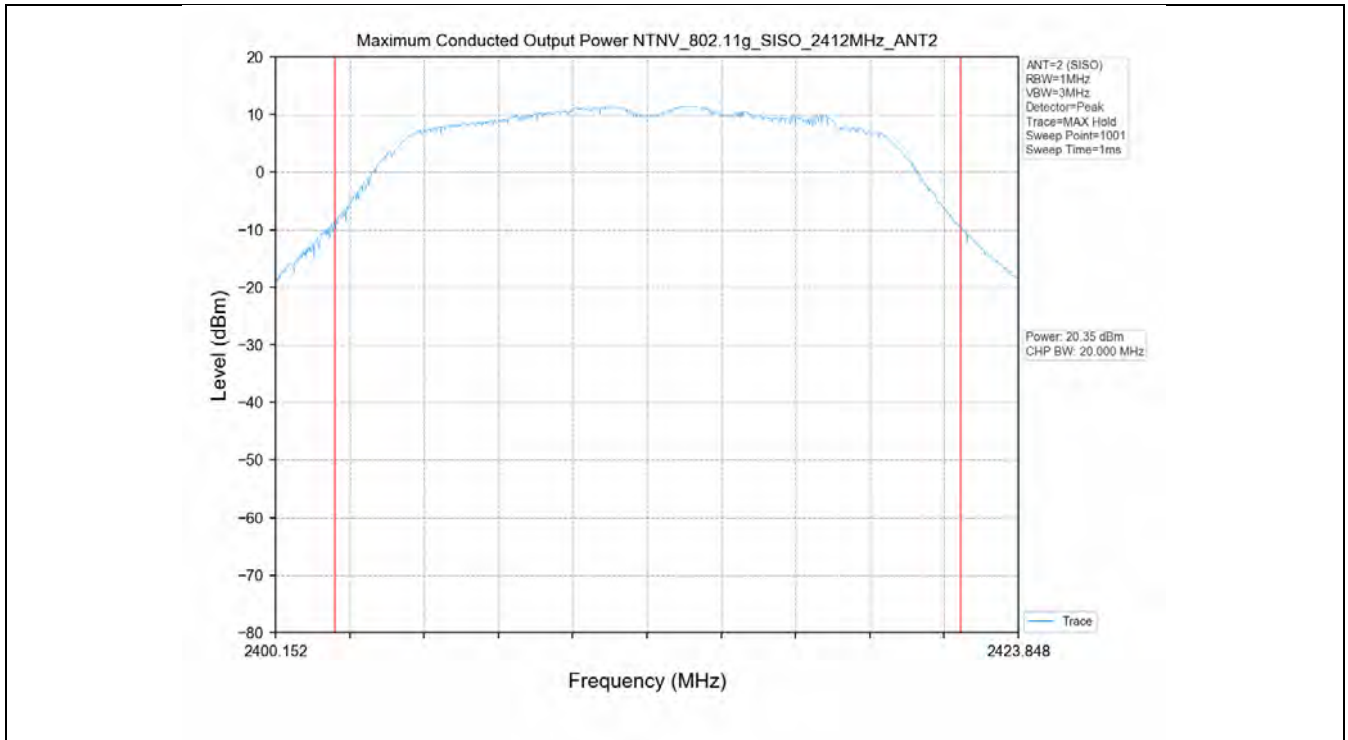
3.2 Test Graph

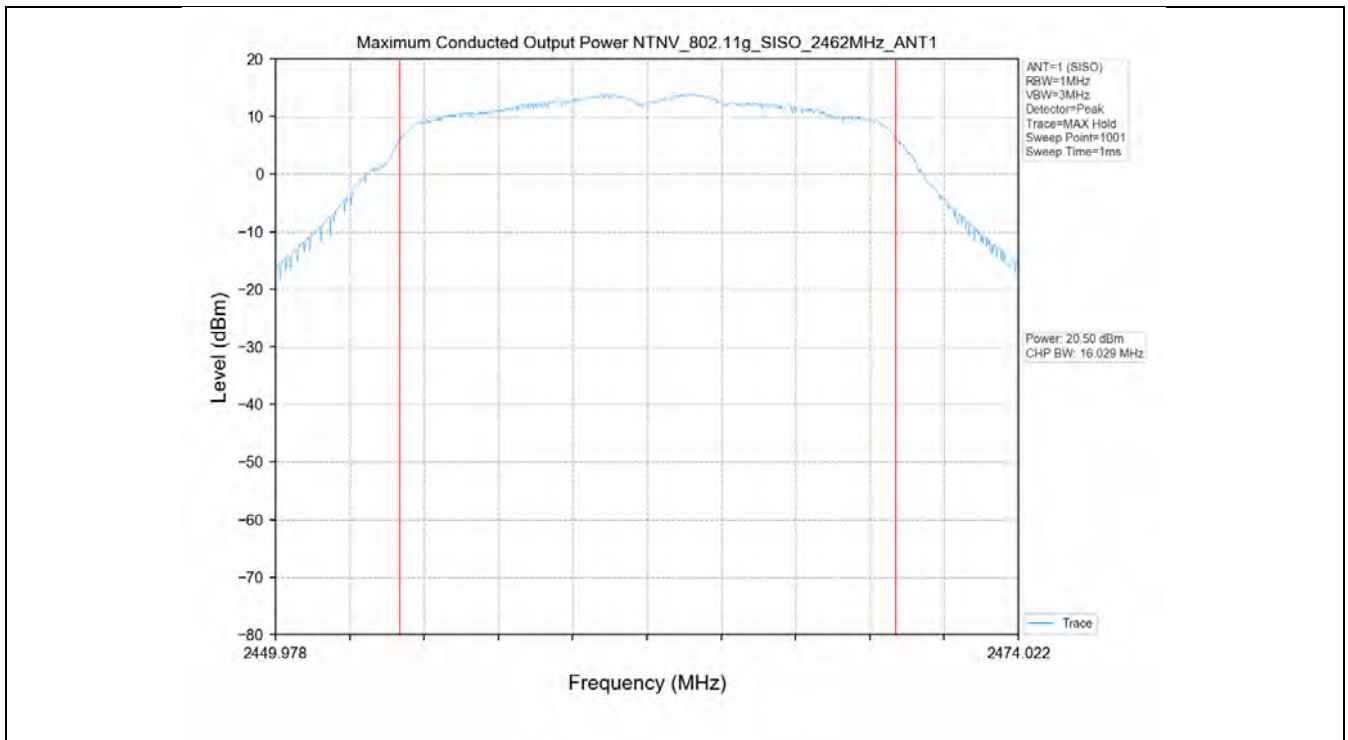
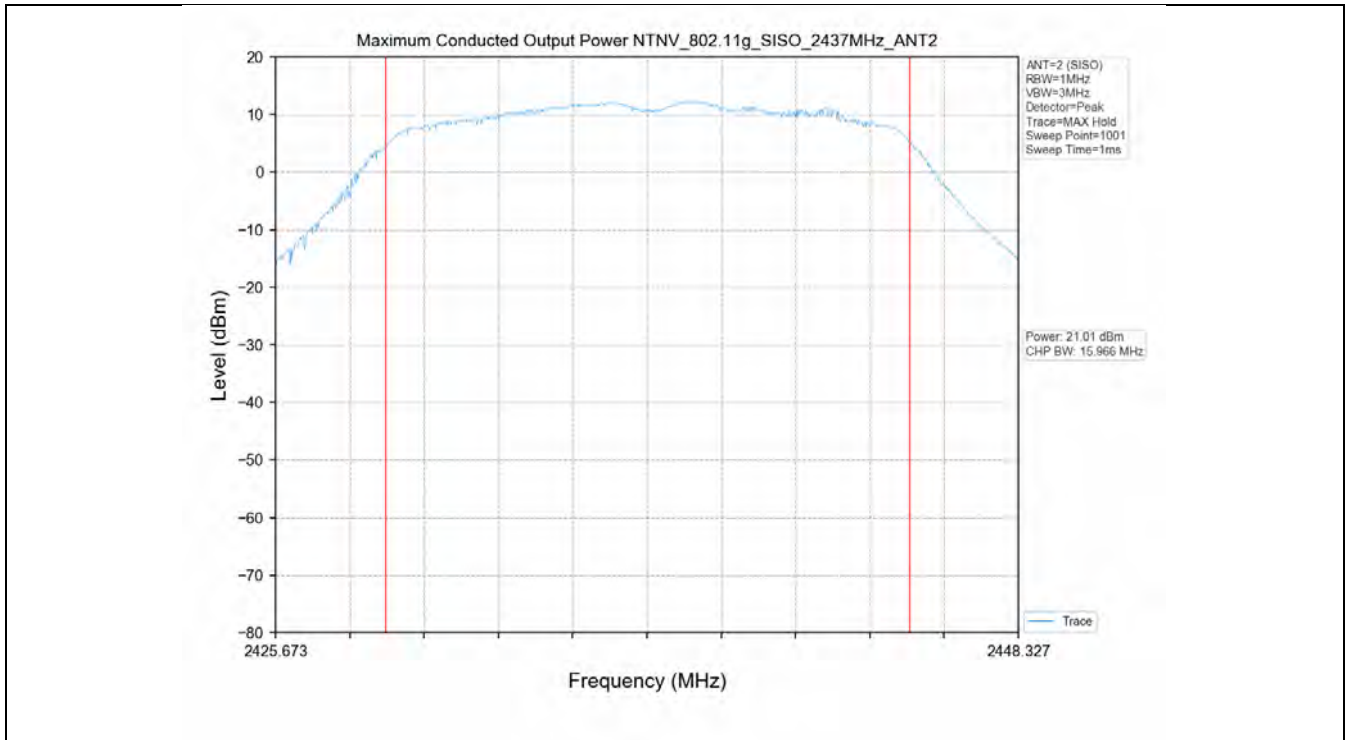


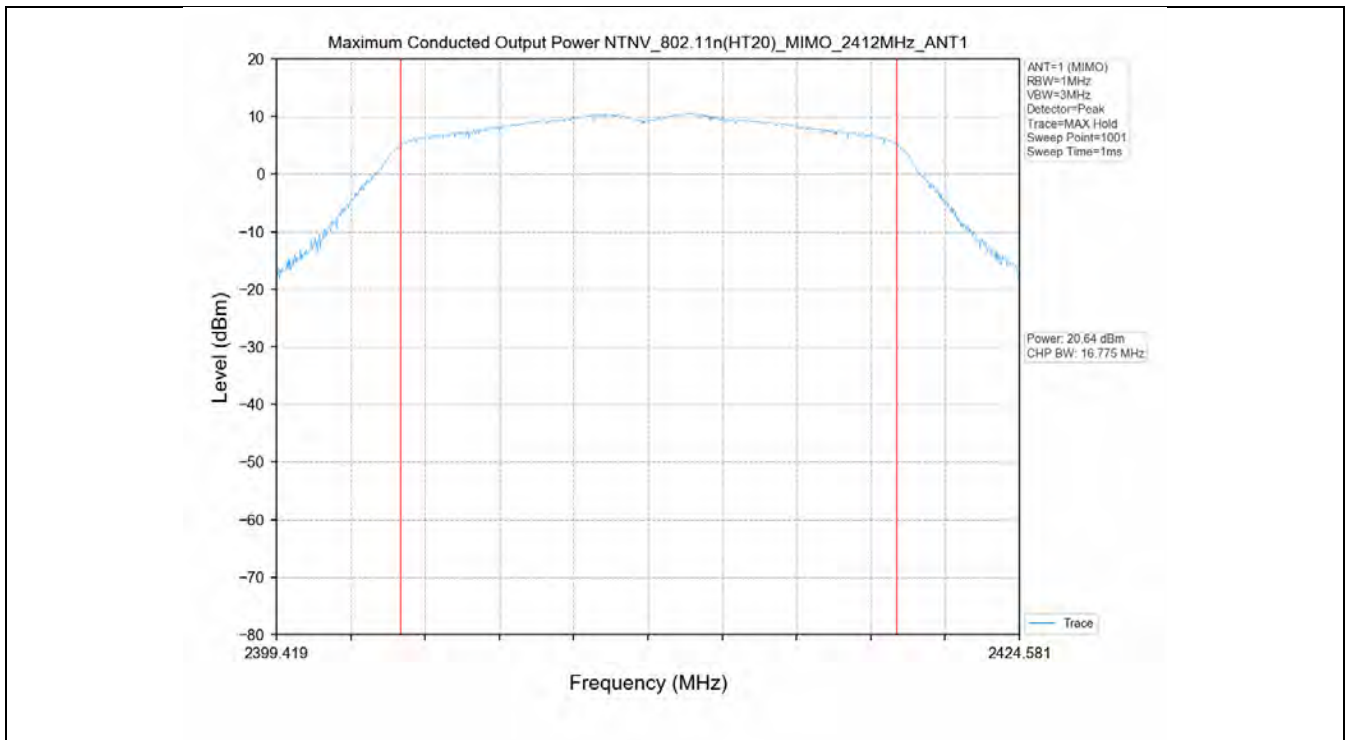
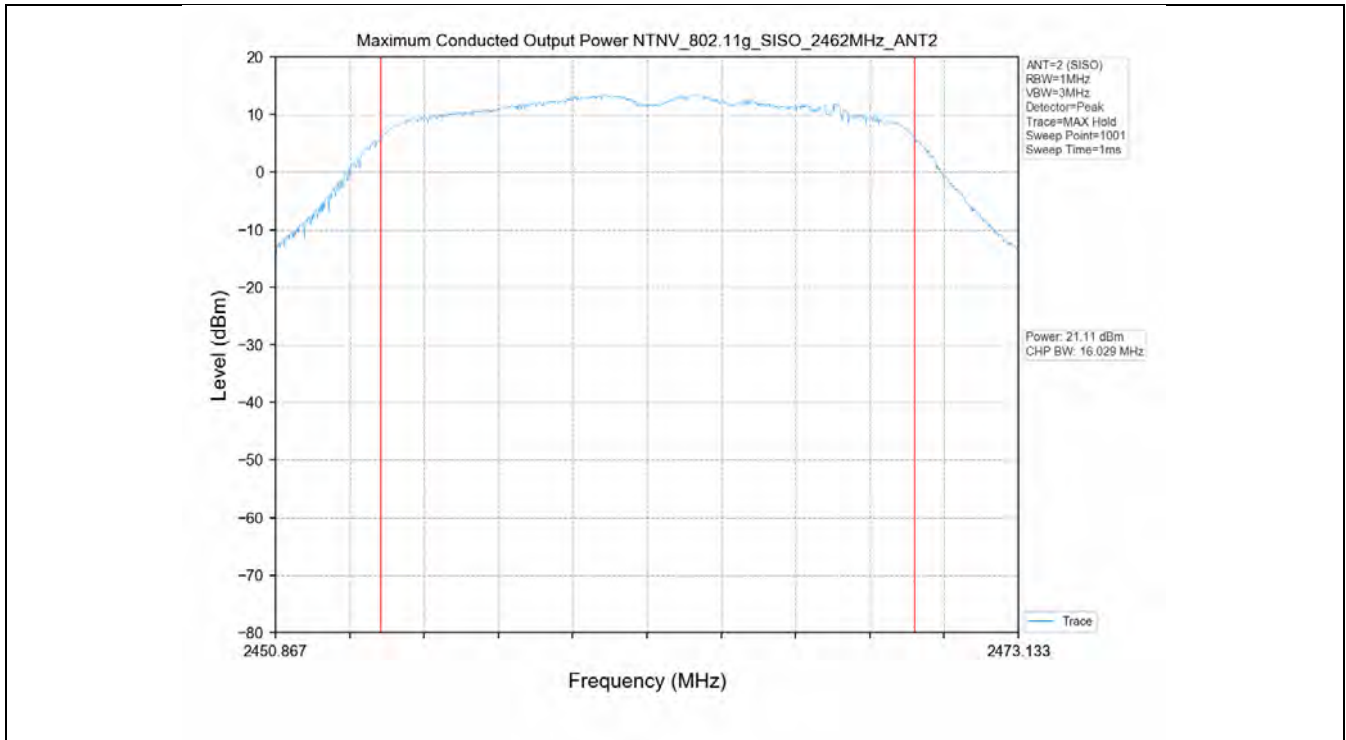


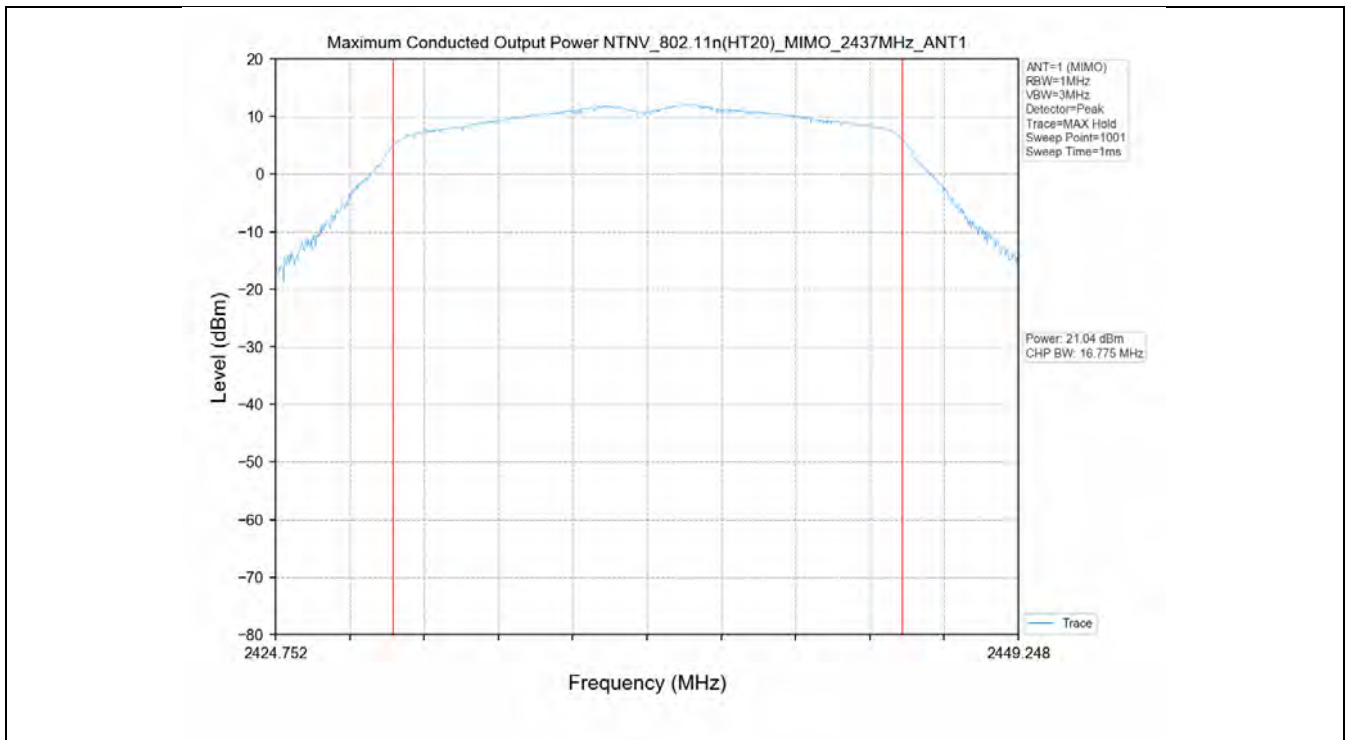
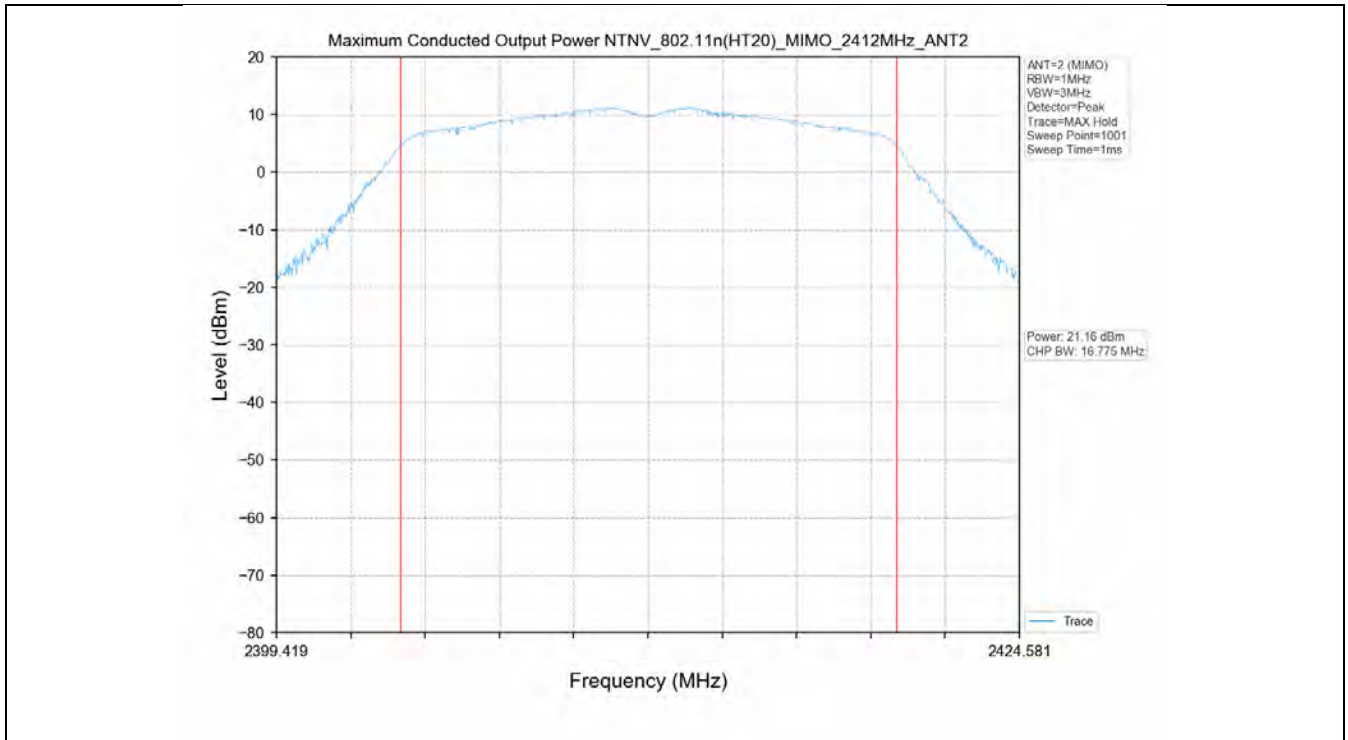


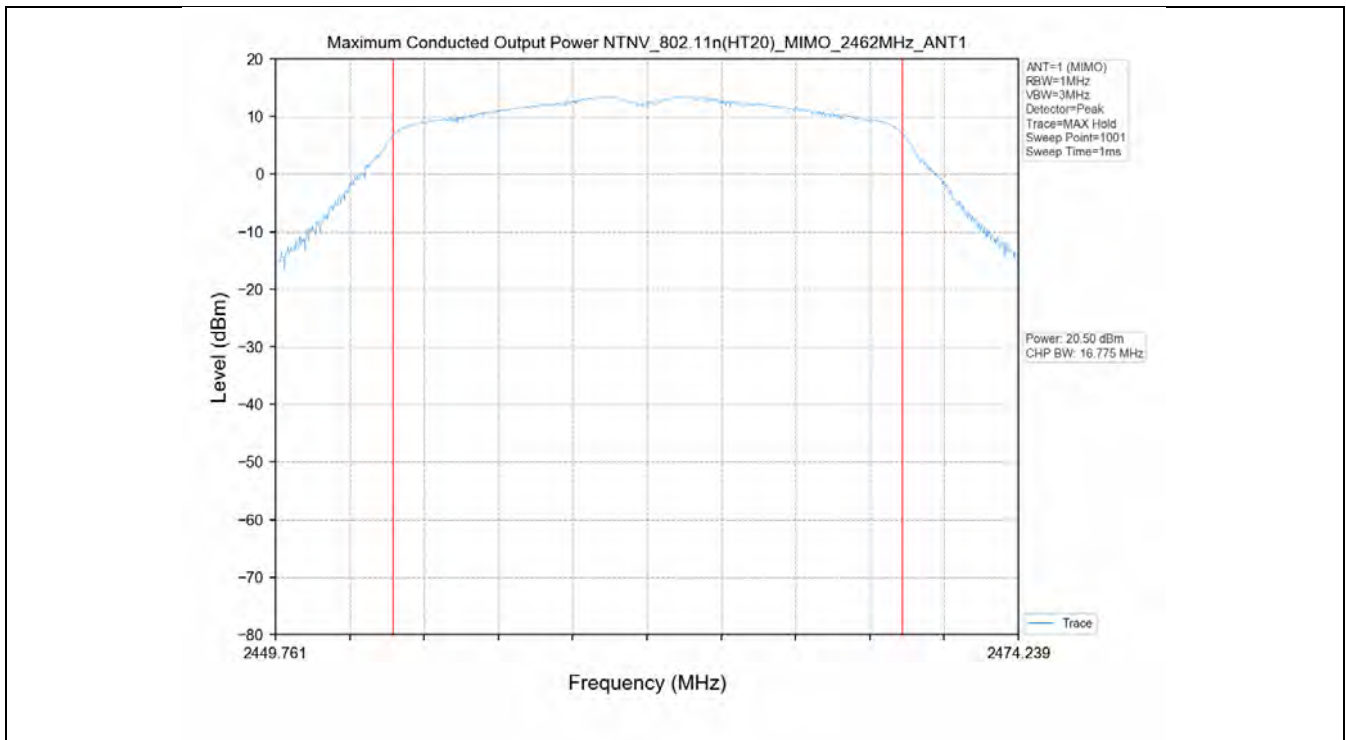
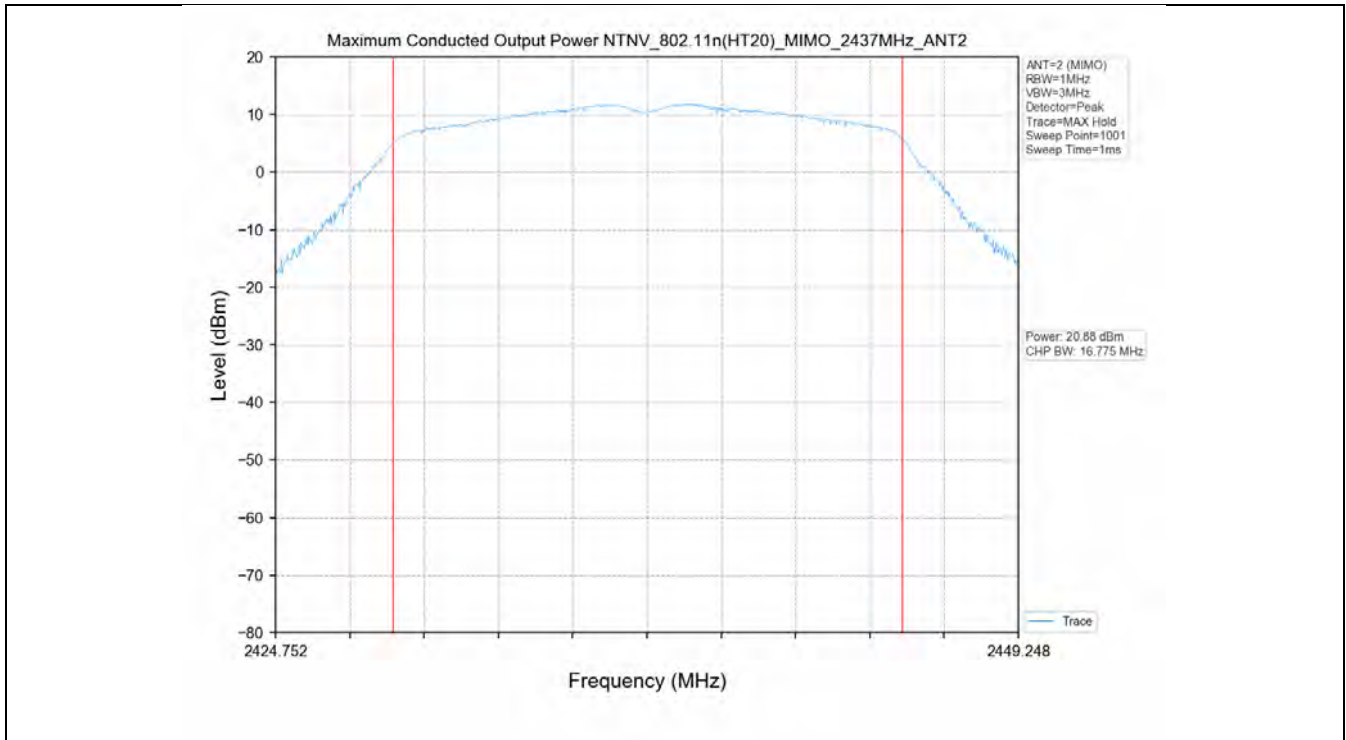


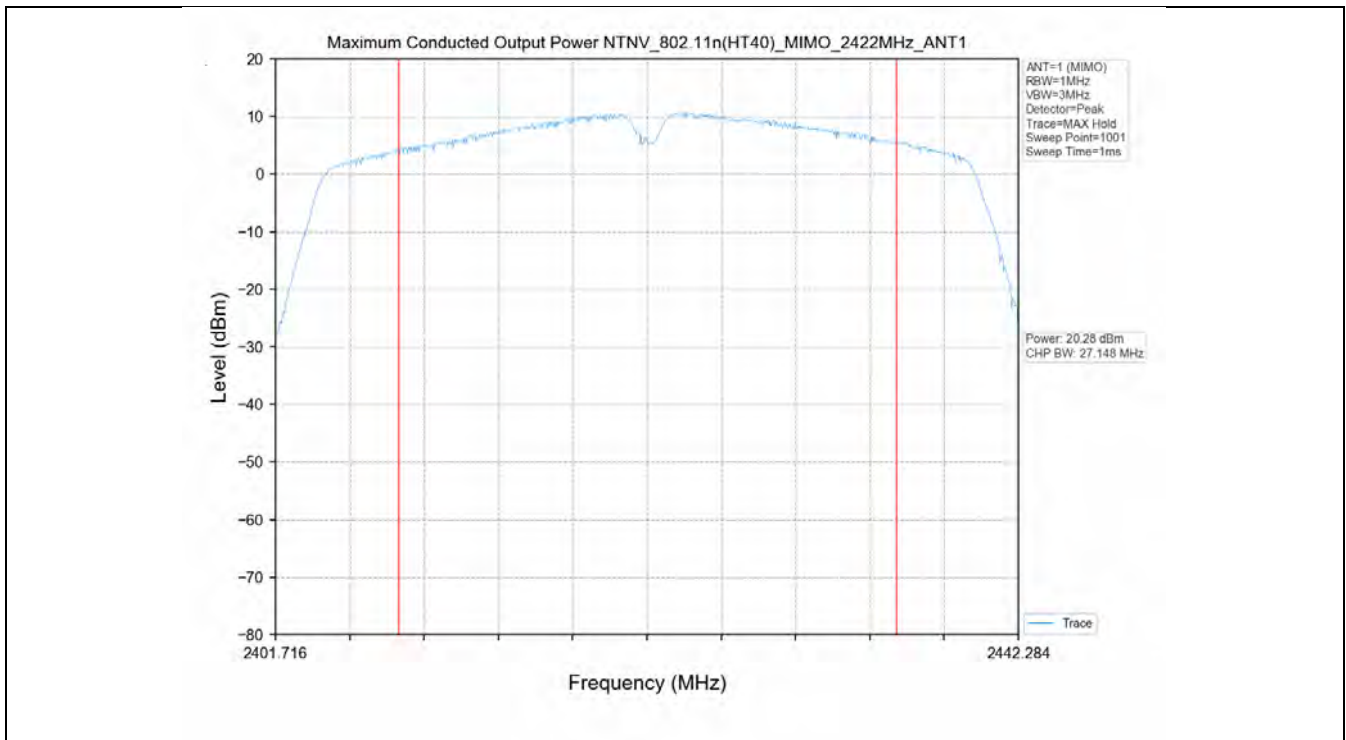
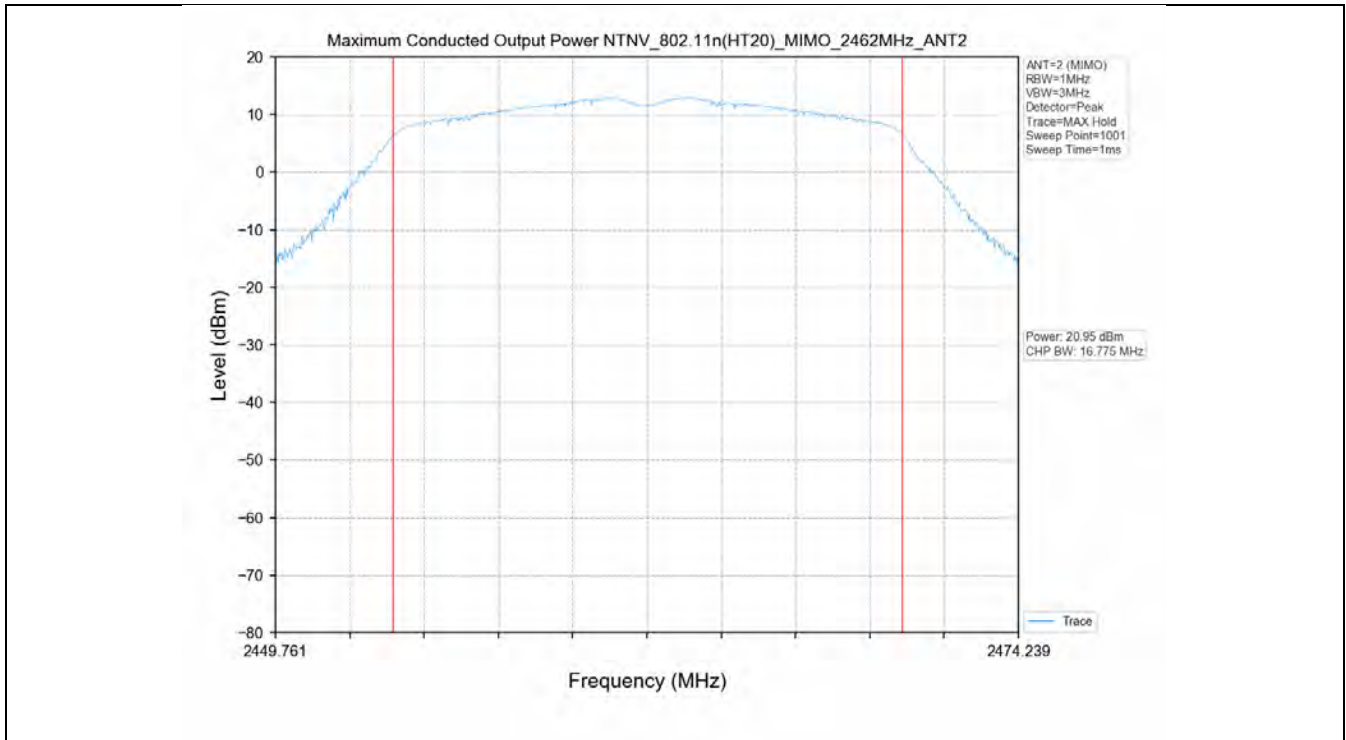


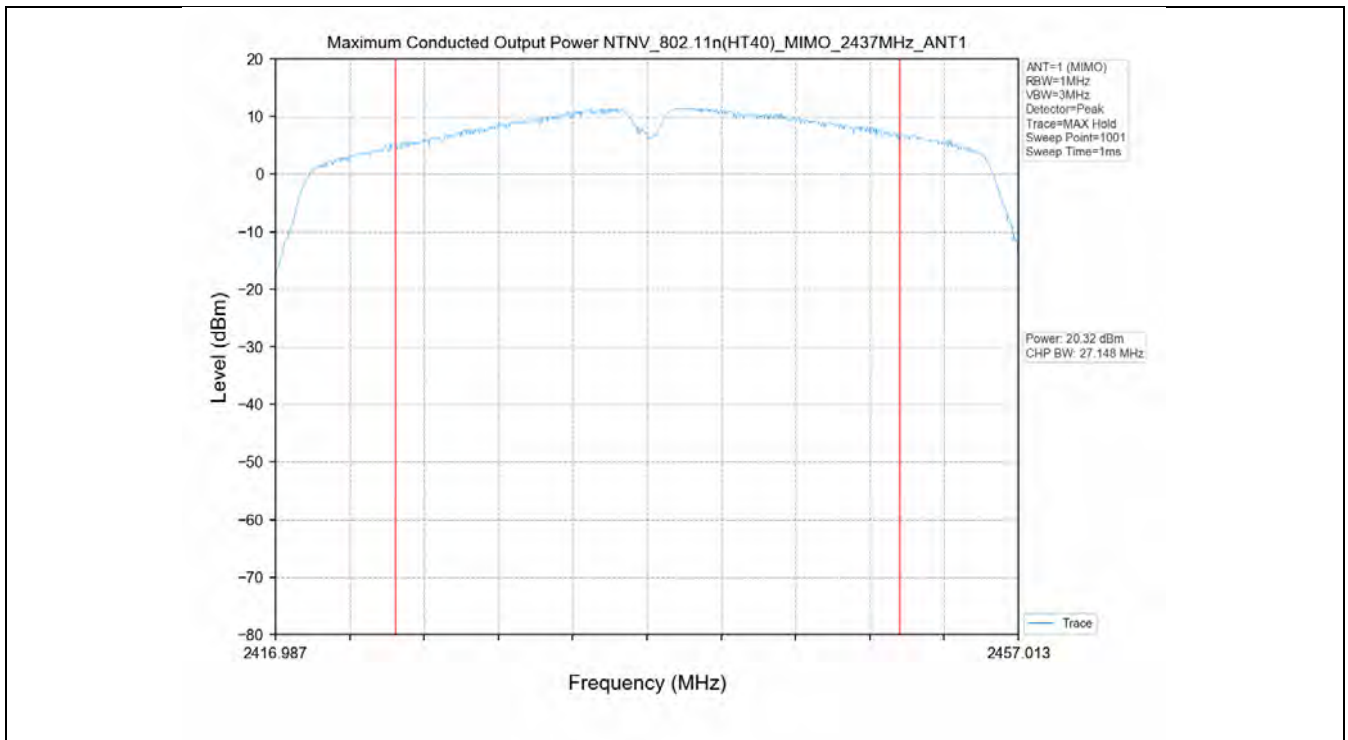
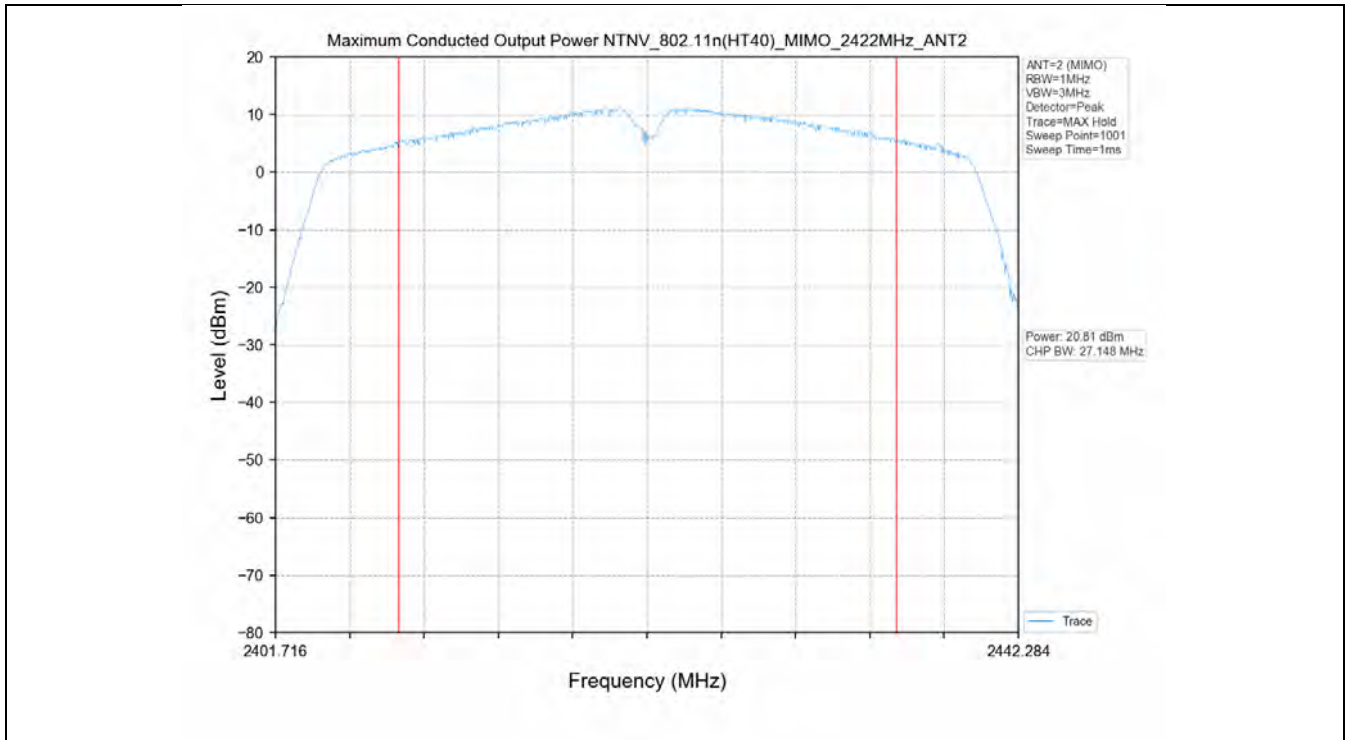


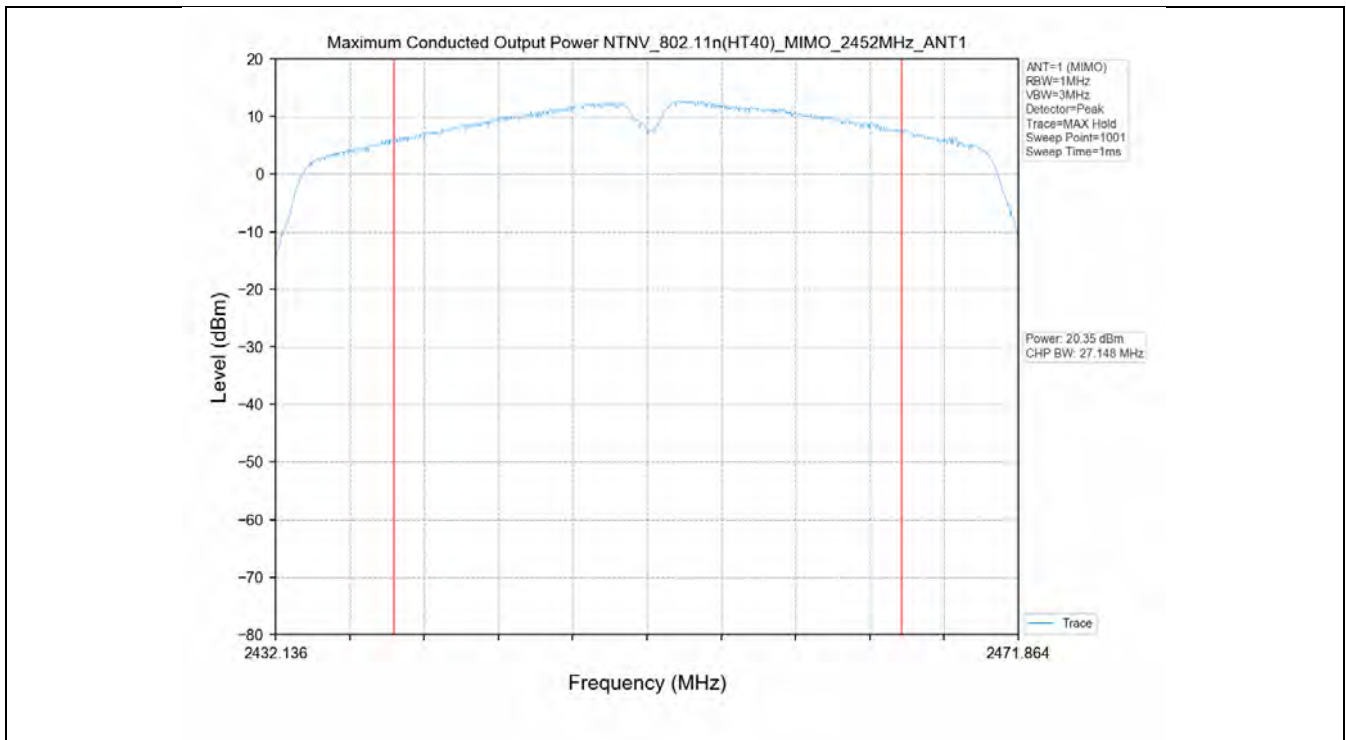
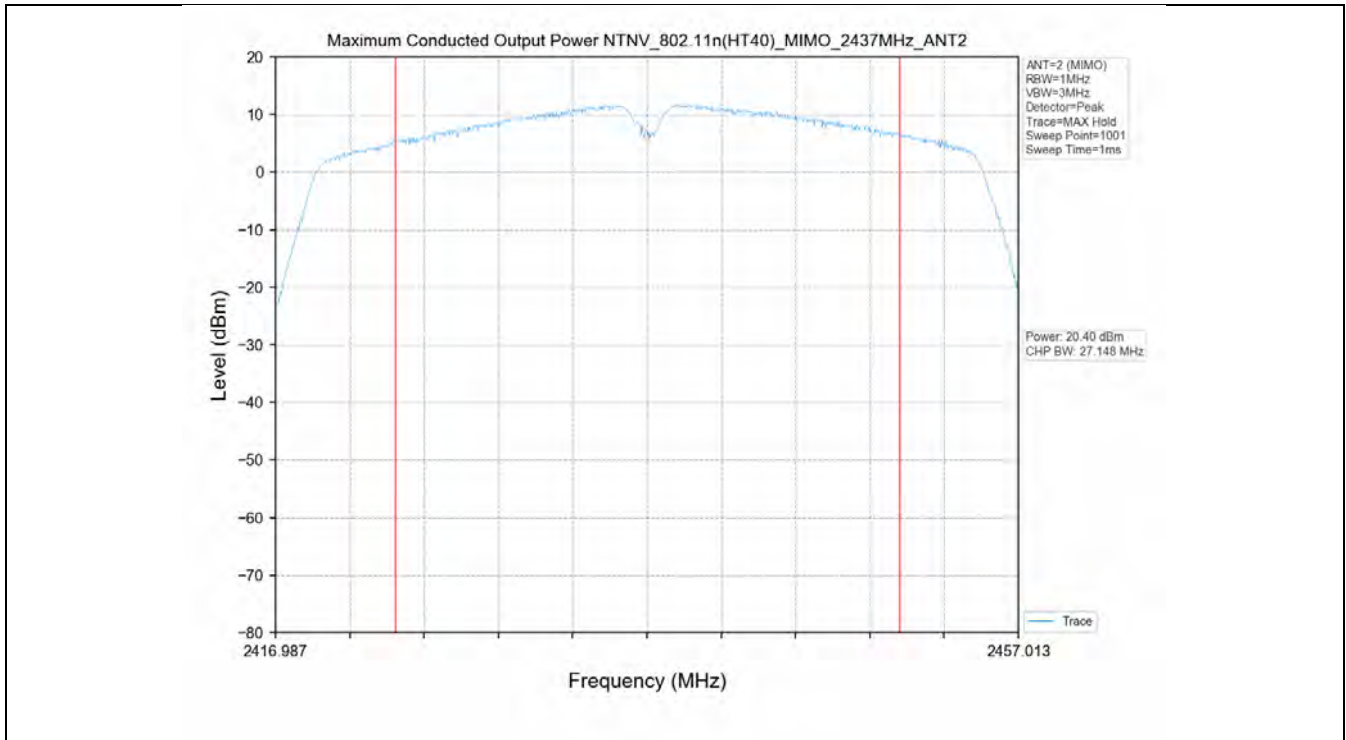


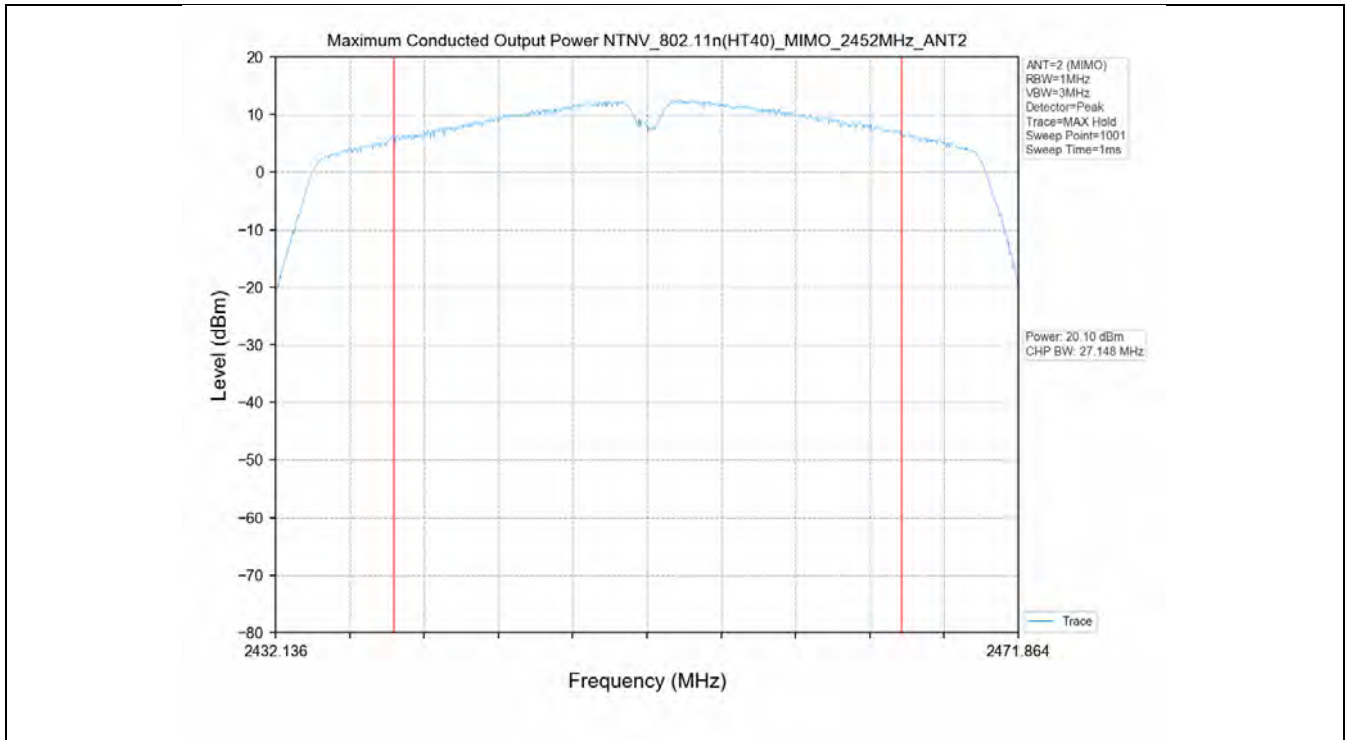










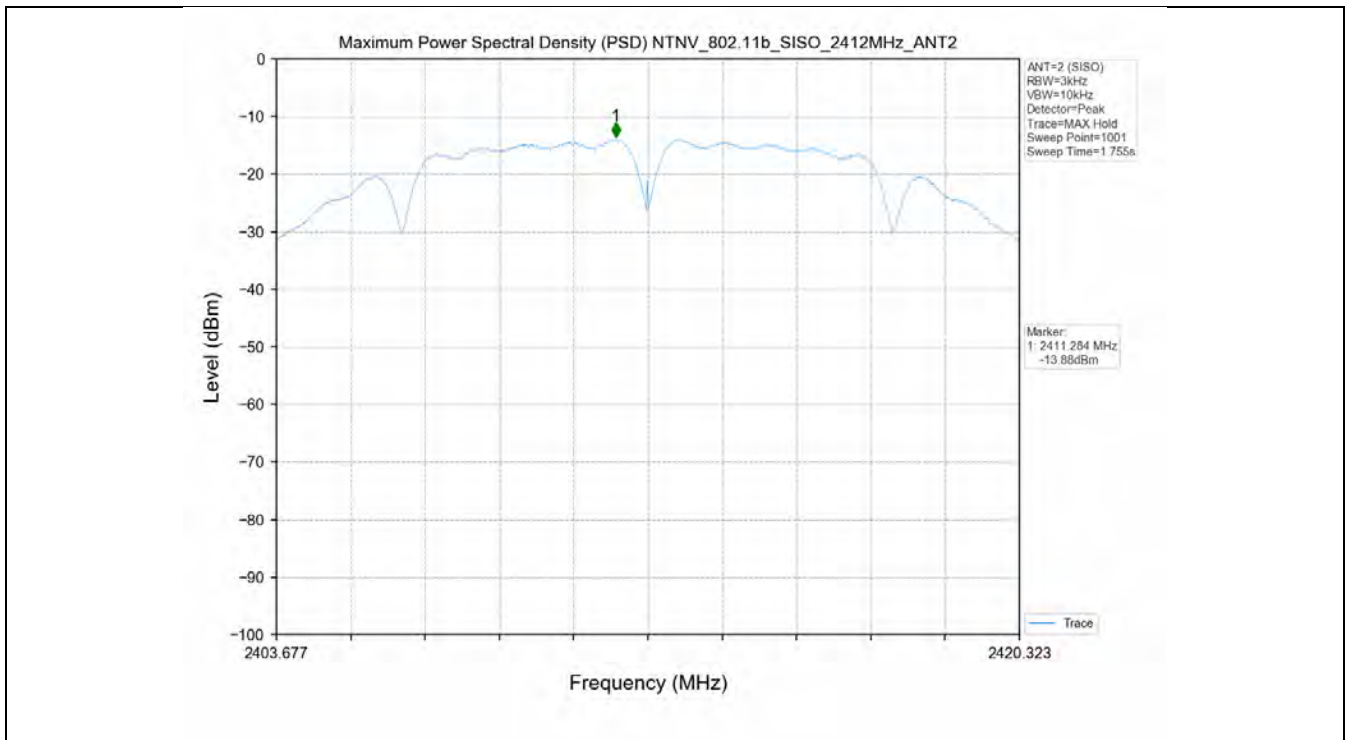
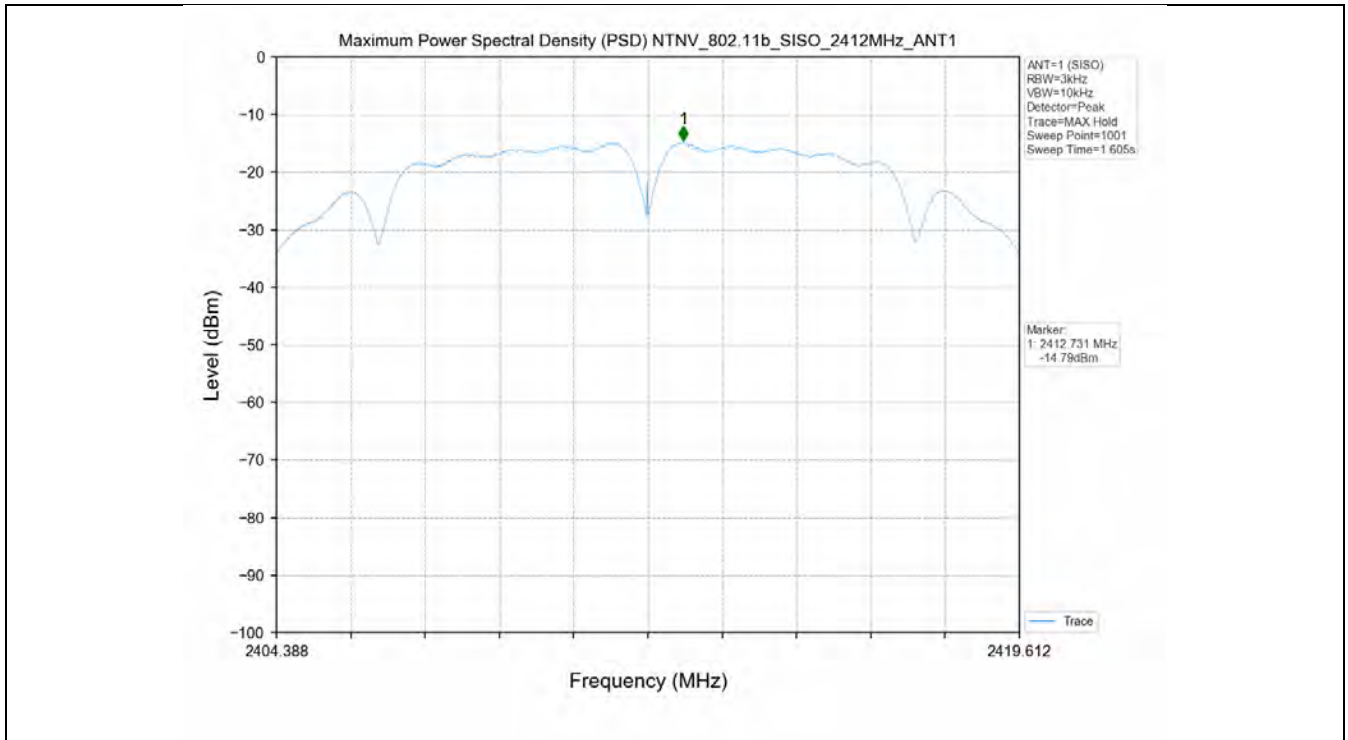


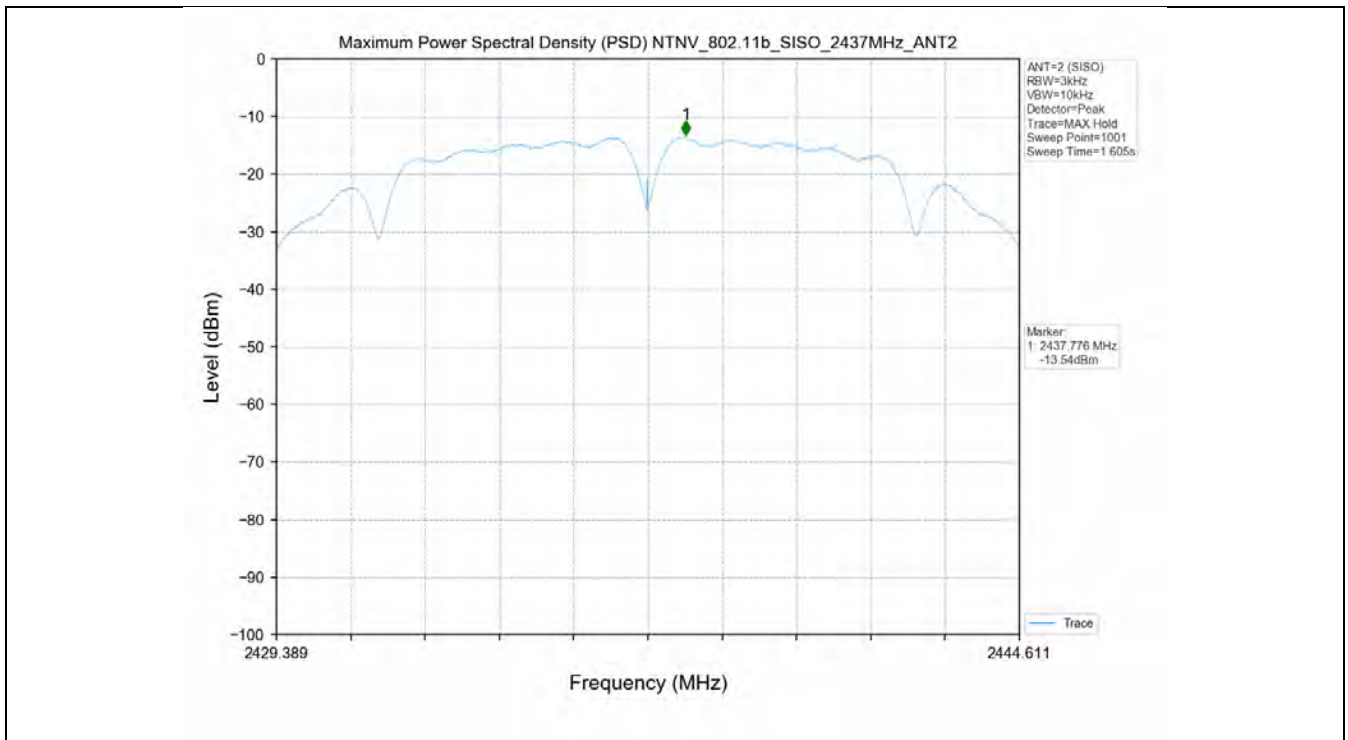
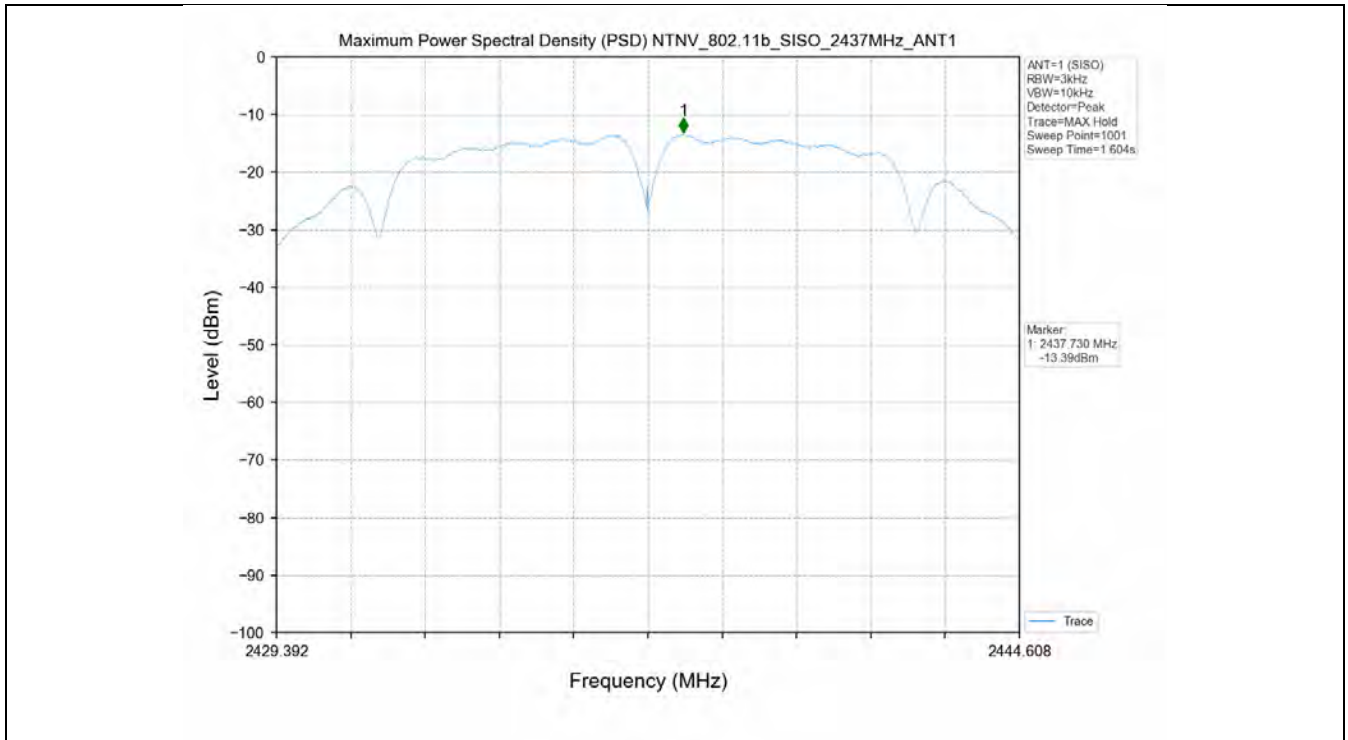
4. Maximum Power Spectral Density (PSD)

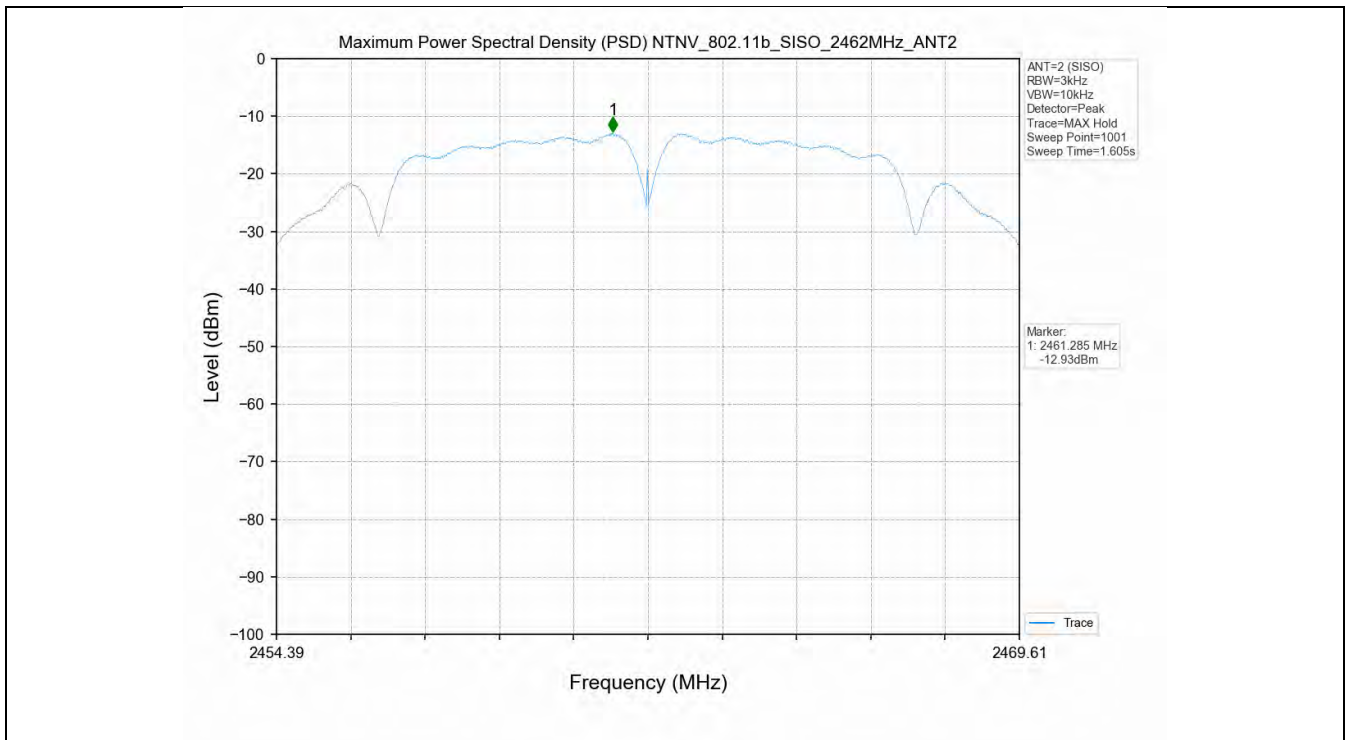
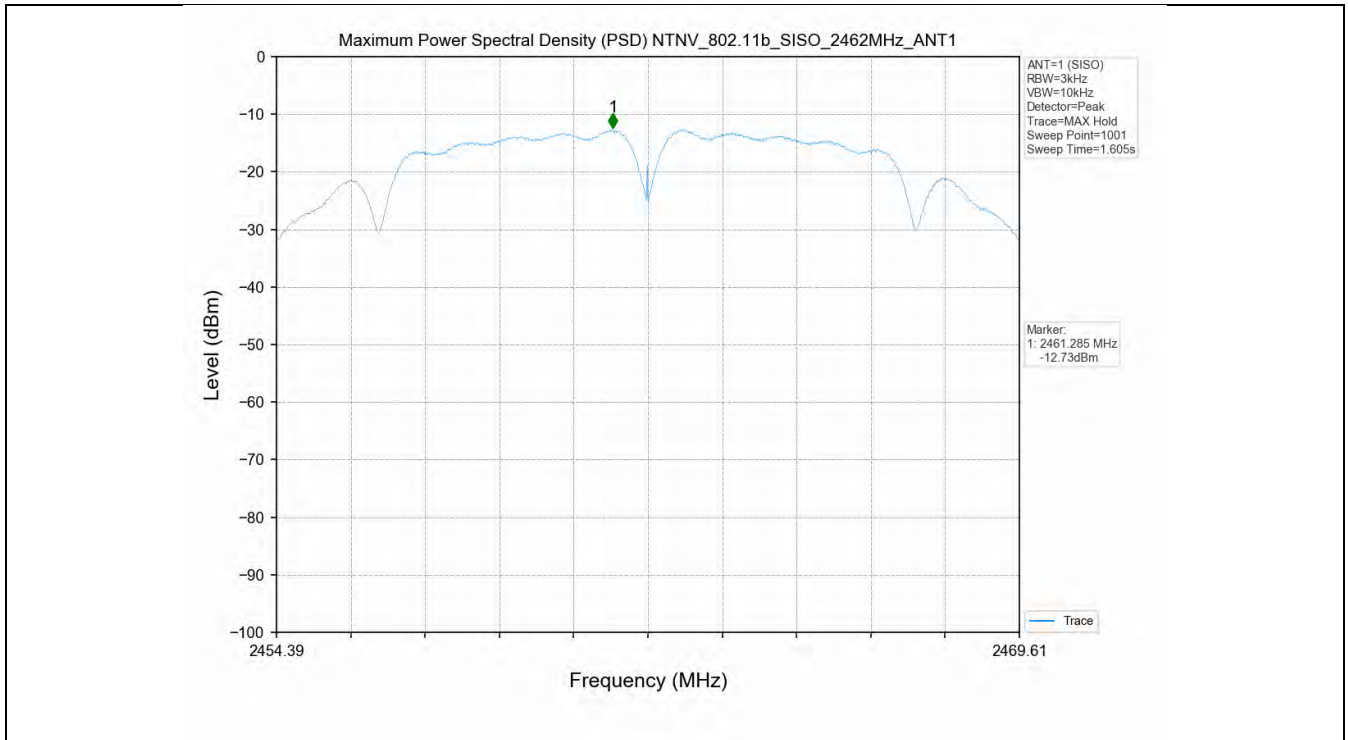
4.1 Test Result

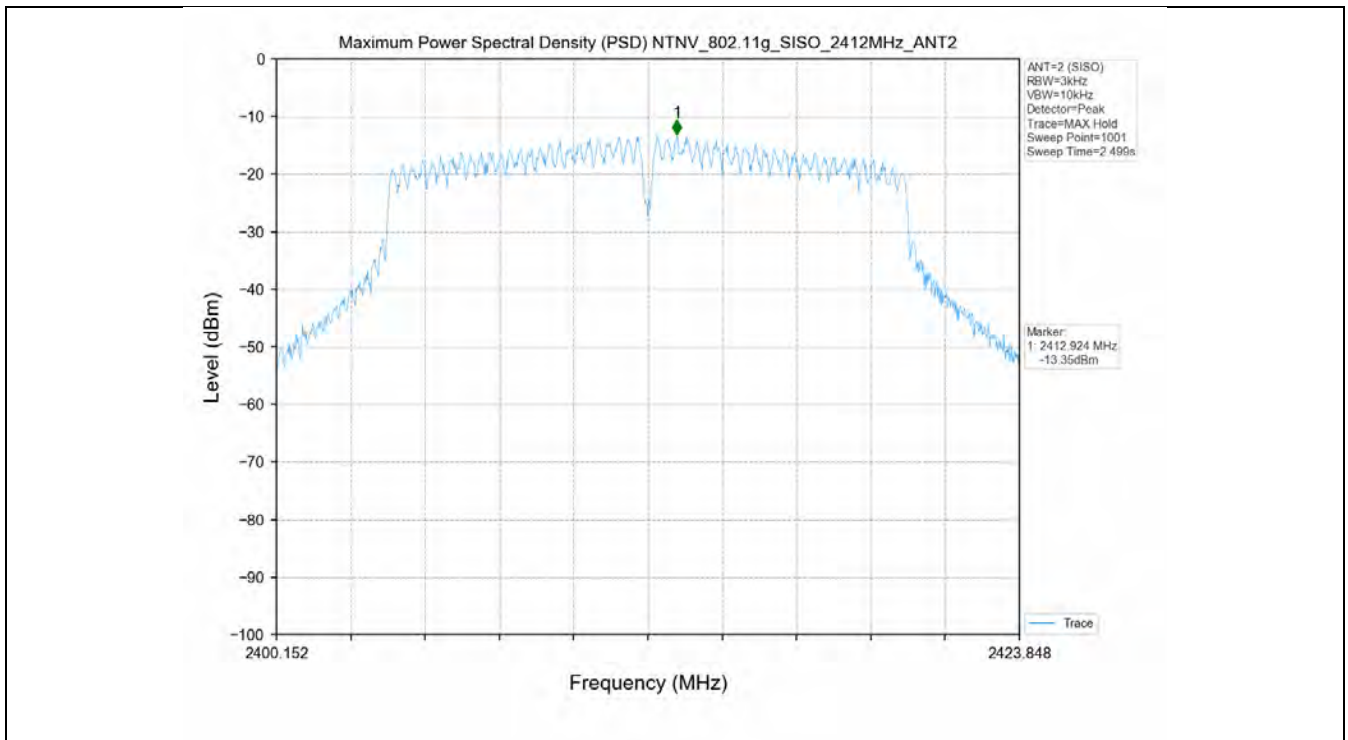
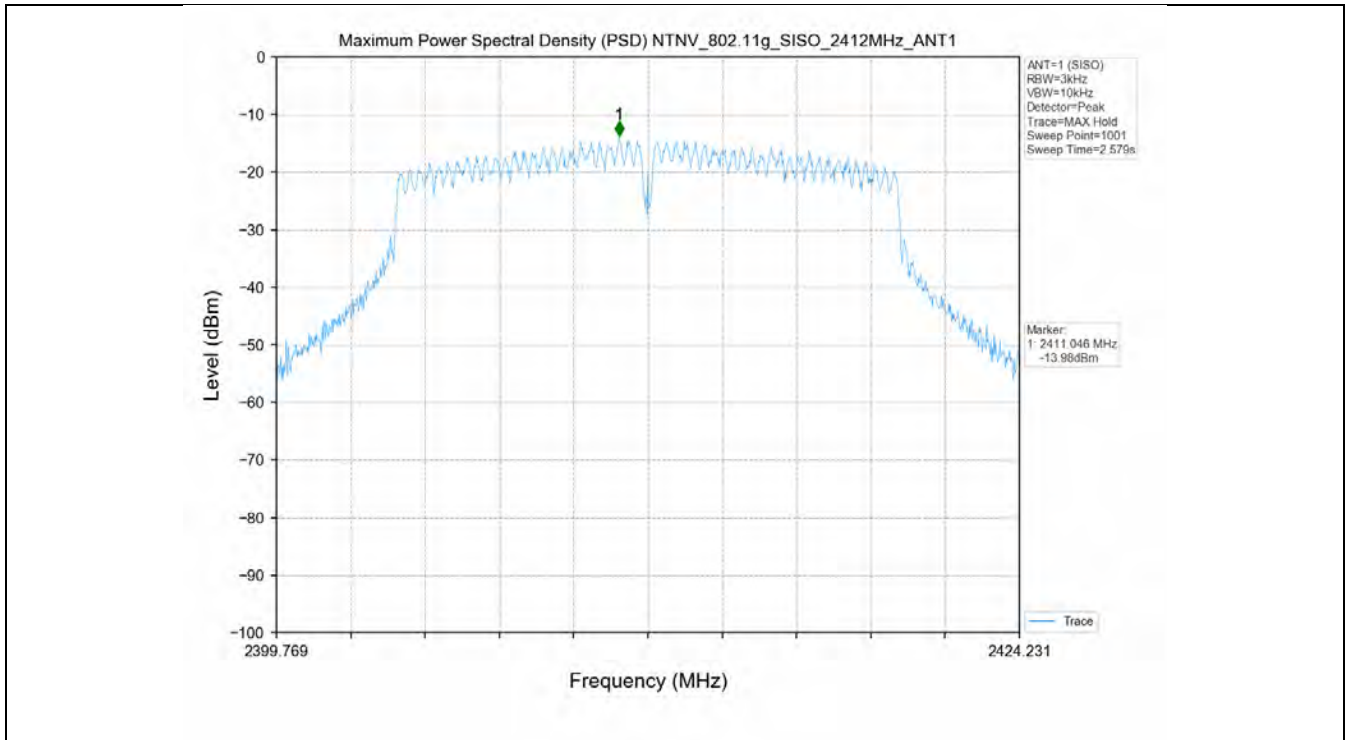
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	-14.79	-13.88	/	≤8	PASS
	2437	SISO	-13.39	-13.54	/	≤8	PASS
	2462	SISO	-12.73	-12.93	/	≤8	PASS
802.11g	2412	SISO	-13.98	-13.35	/	≤8	PASS
	2437	SISO	-12.35	-12.92	/	≤8	PASS
	2462	SISO	-10.79	-11.92	/	≤8	PASS
802.11n(HT20)	2412	MIMO	-13.97	-13.22	-10.65	≤8	PASS
	2437	MIMO	-12.11	-12.12	-9.11	≤8	PASS
	2462	MIMO	-11.01	-11.26	-8.27	≤8	PASS
802.11n(HT40)	2422	MIMO	-12.80	-12.32	-9.55	≤8	PASS
	2437	MIMO	-10.53	-10.25	-9.07	≤8	PASS
	2452	MIMO	-10.03	-10.32	-8.08	≤8	PASS

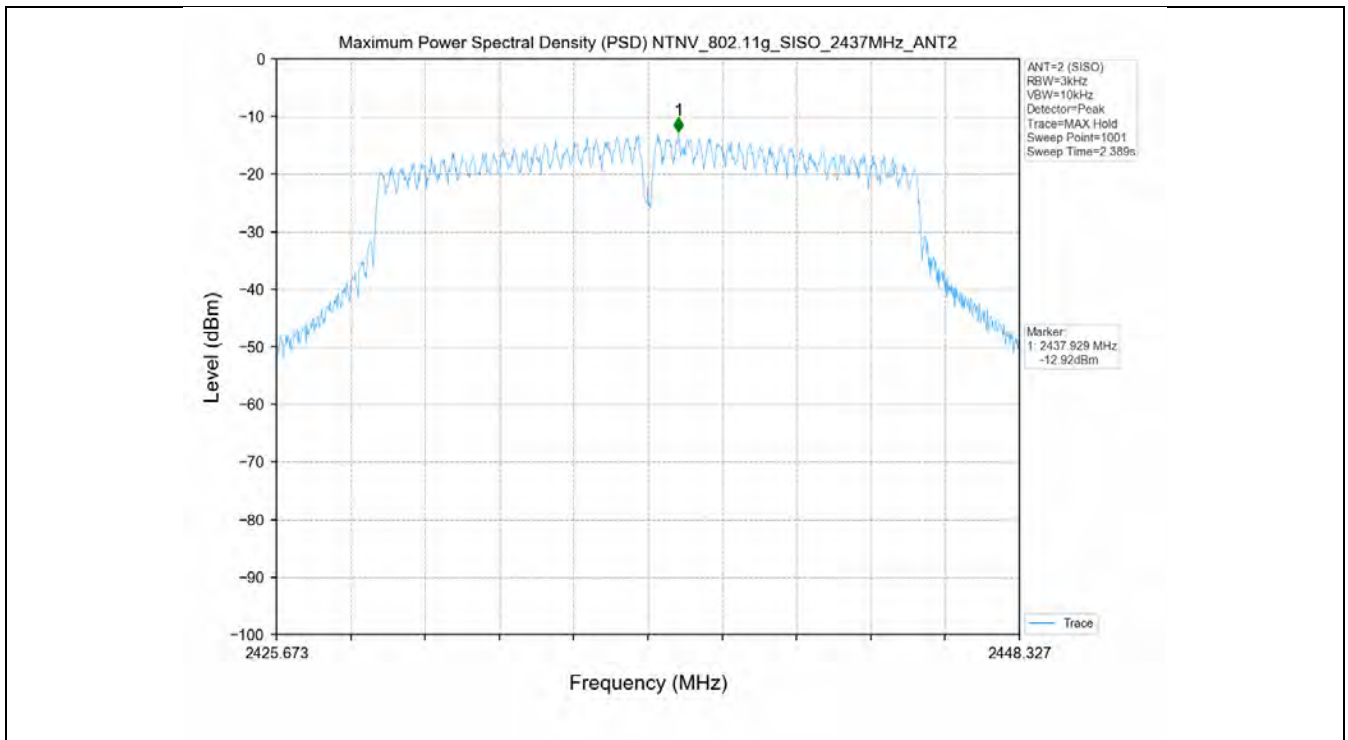
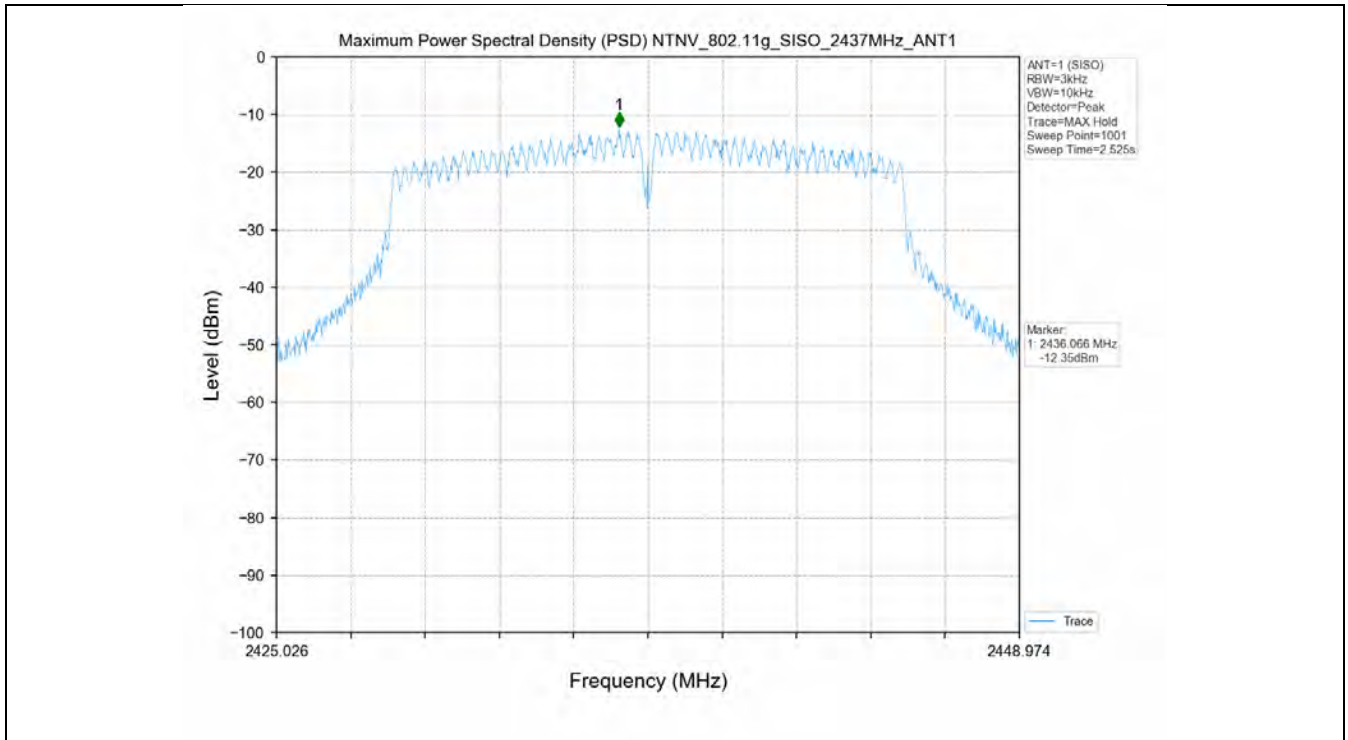
4.2 Test Graph

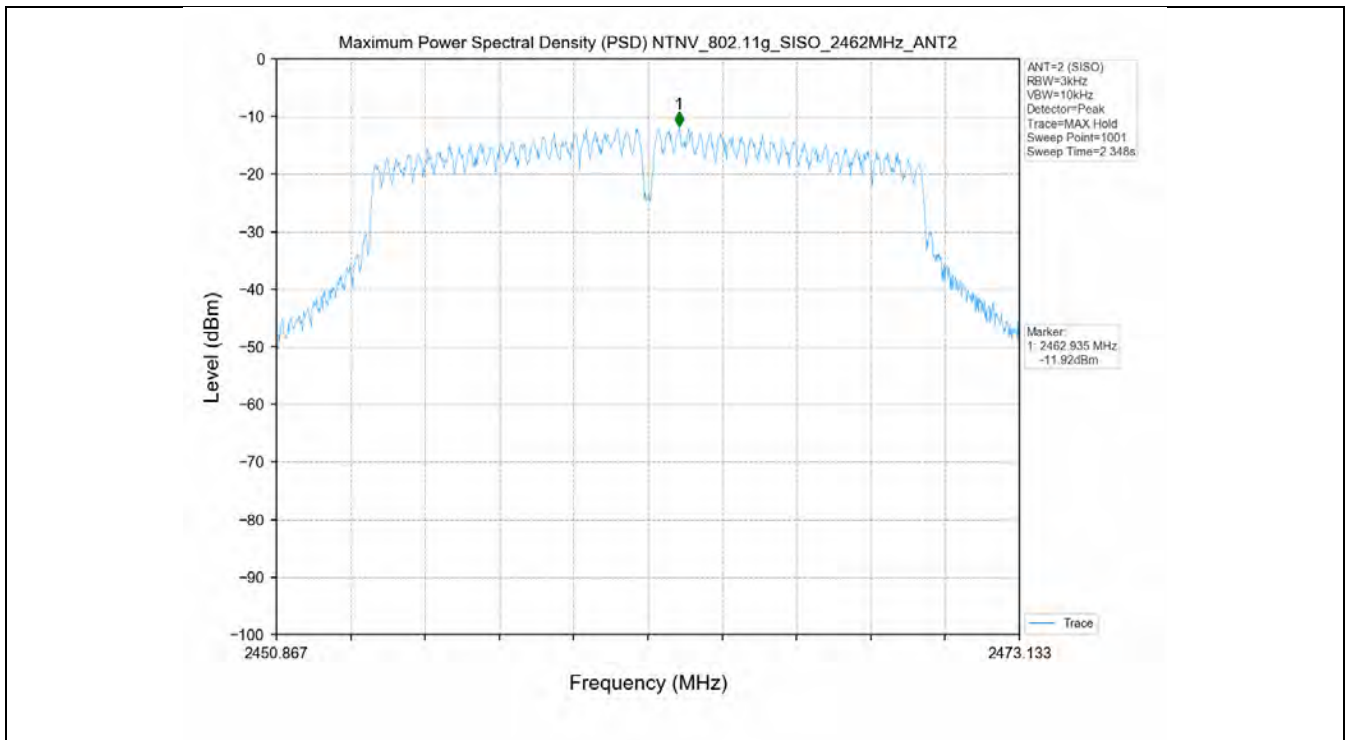
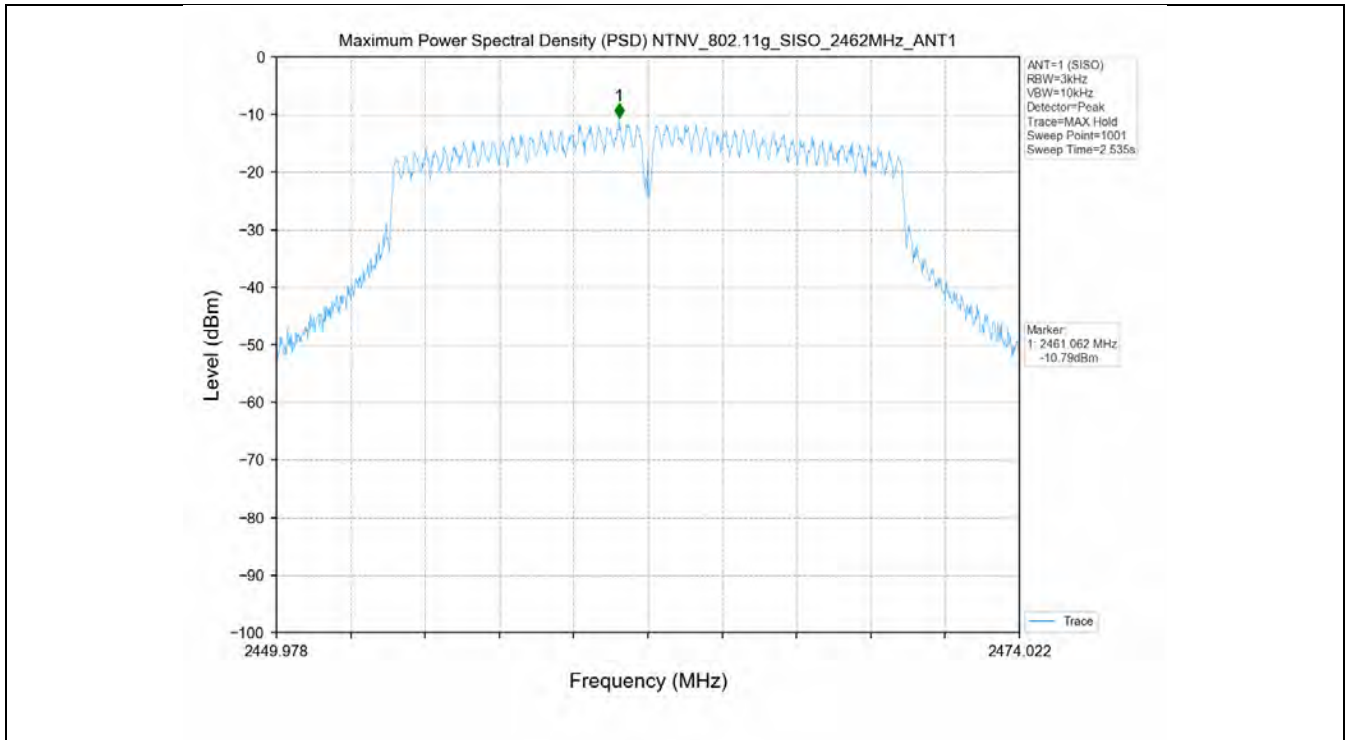


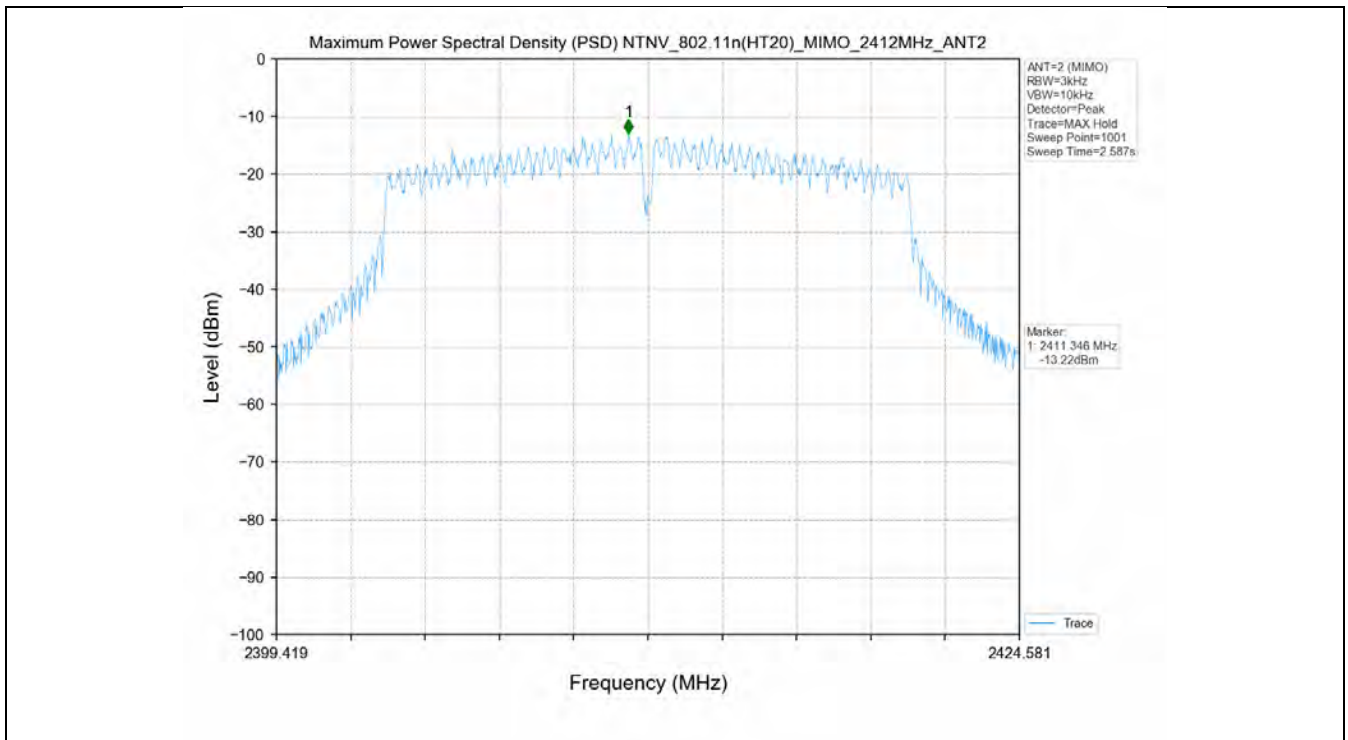
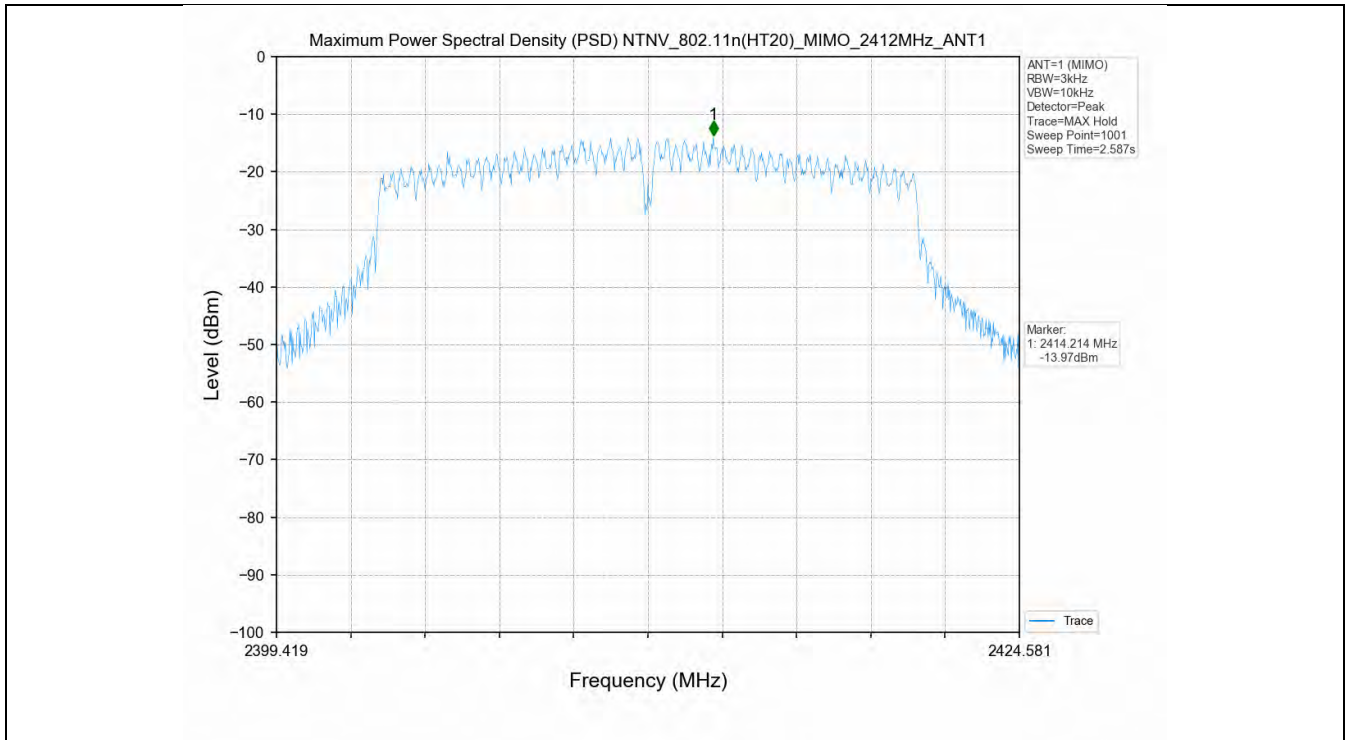


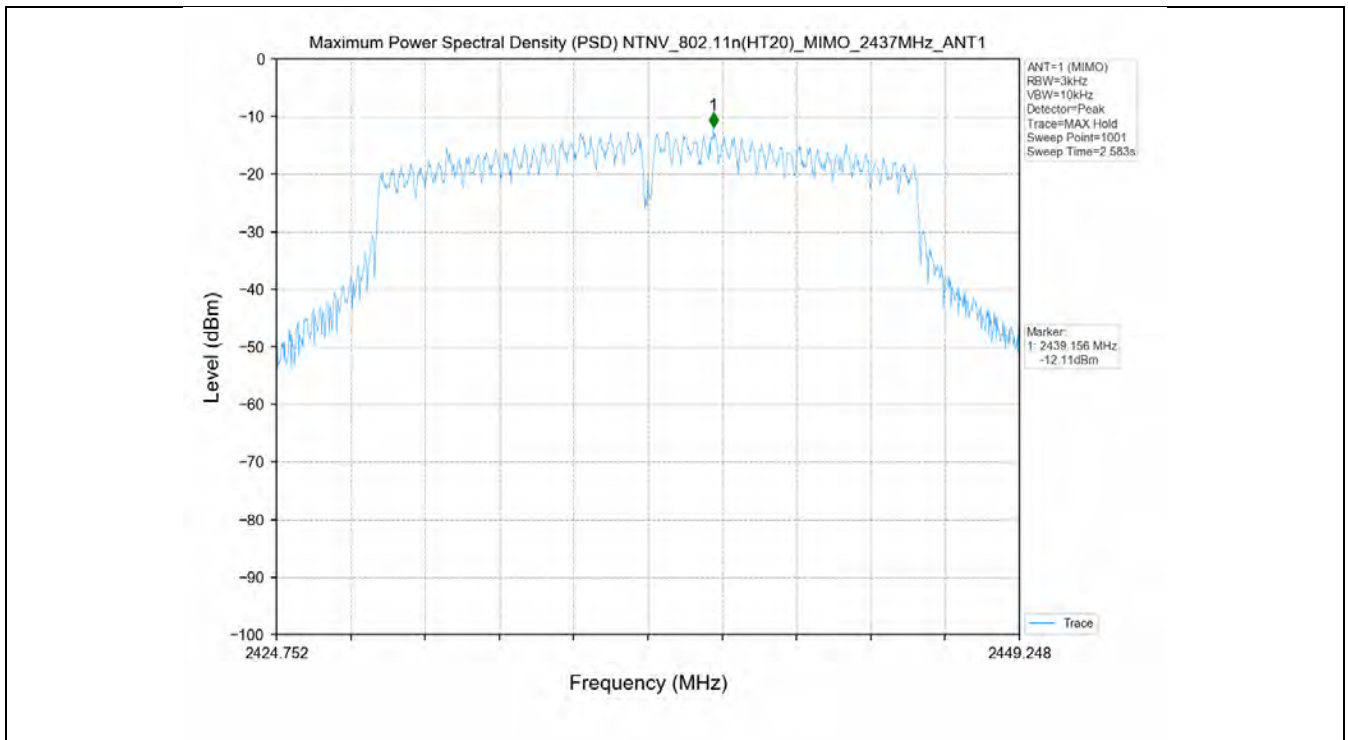
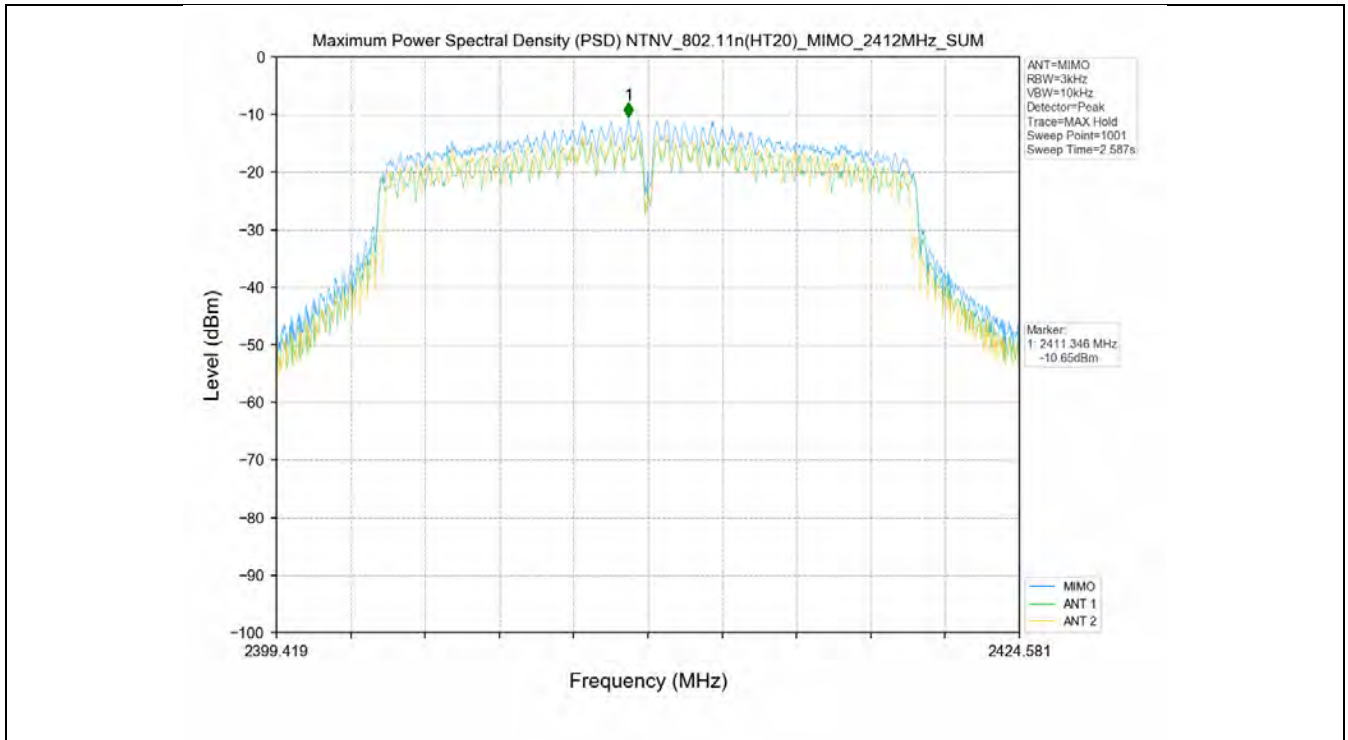


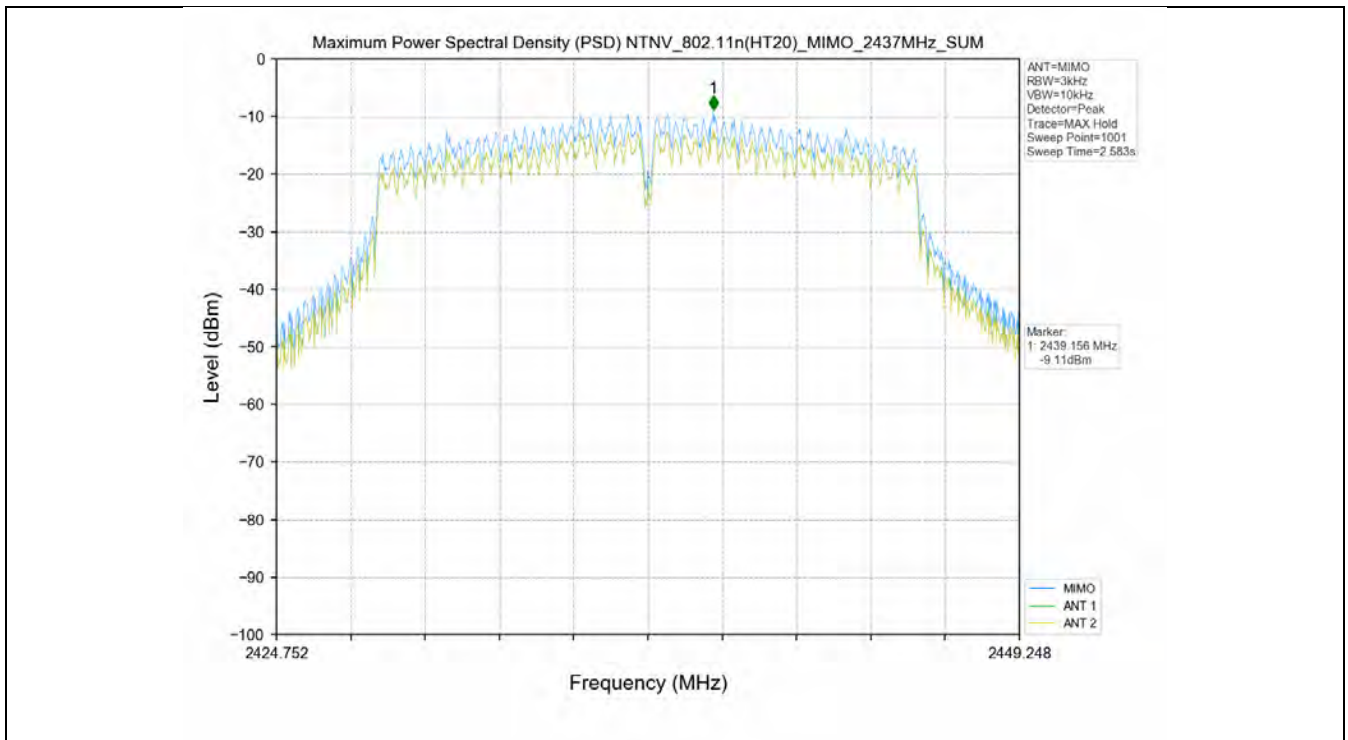
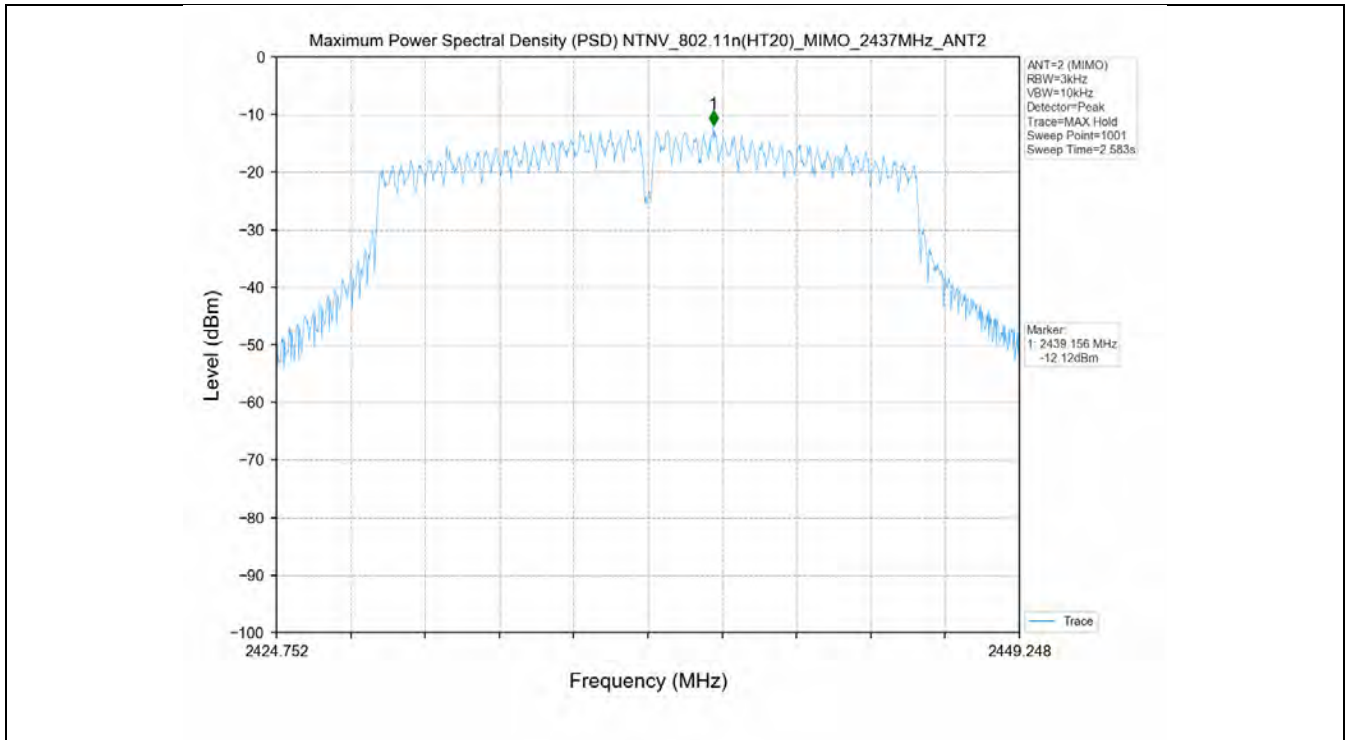


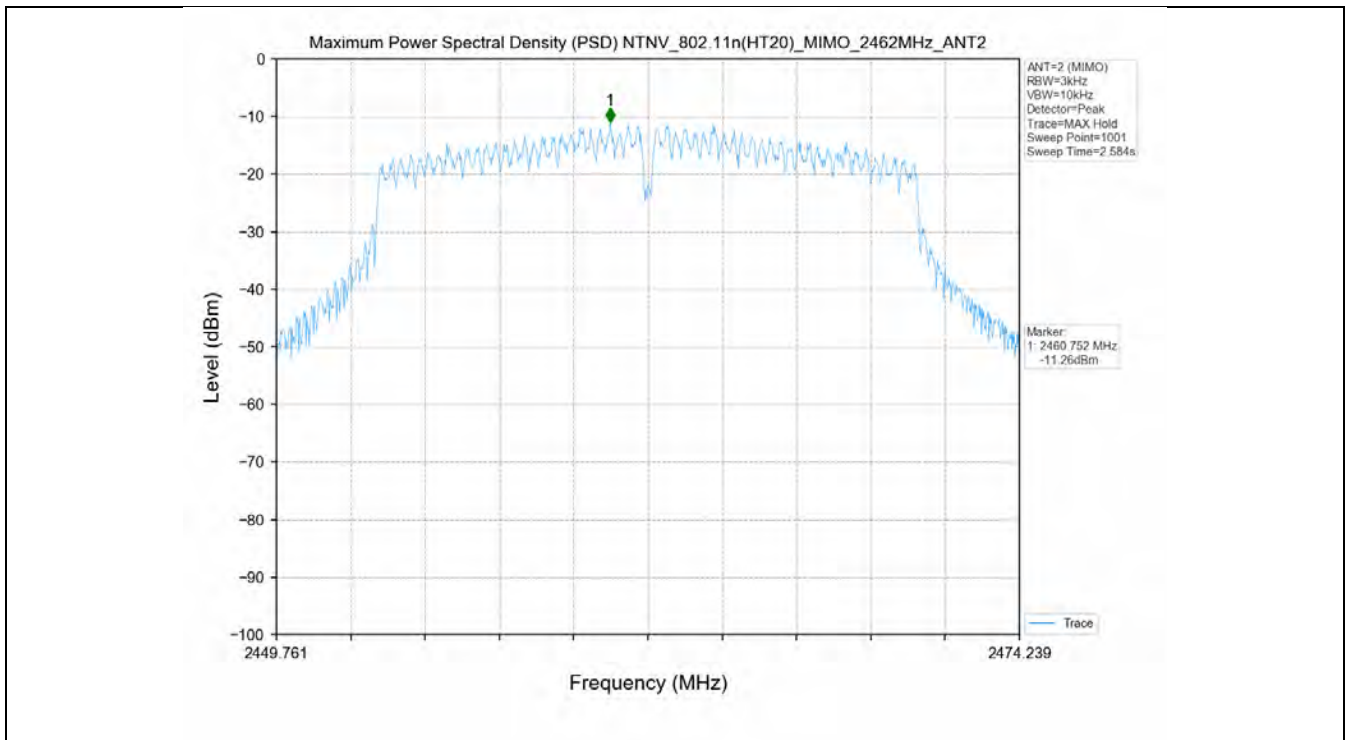
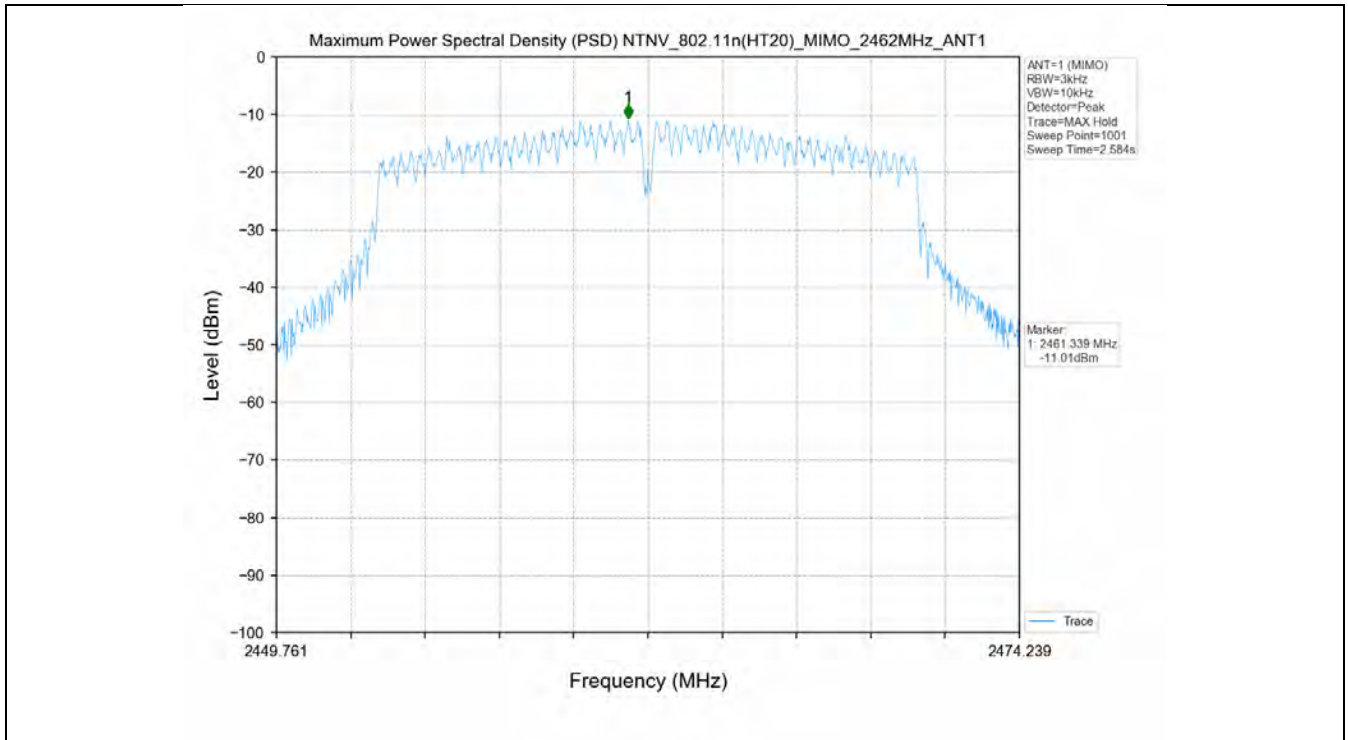


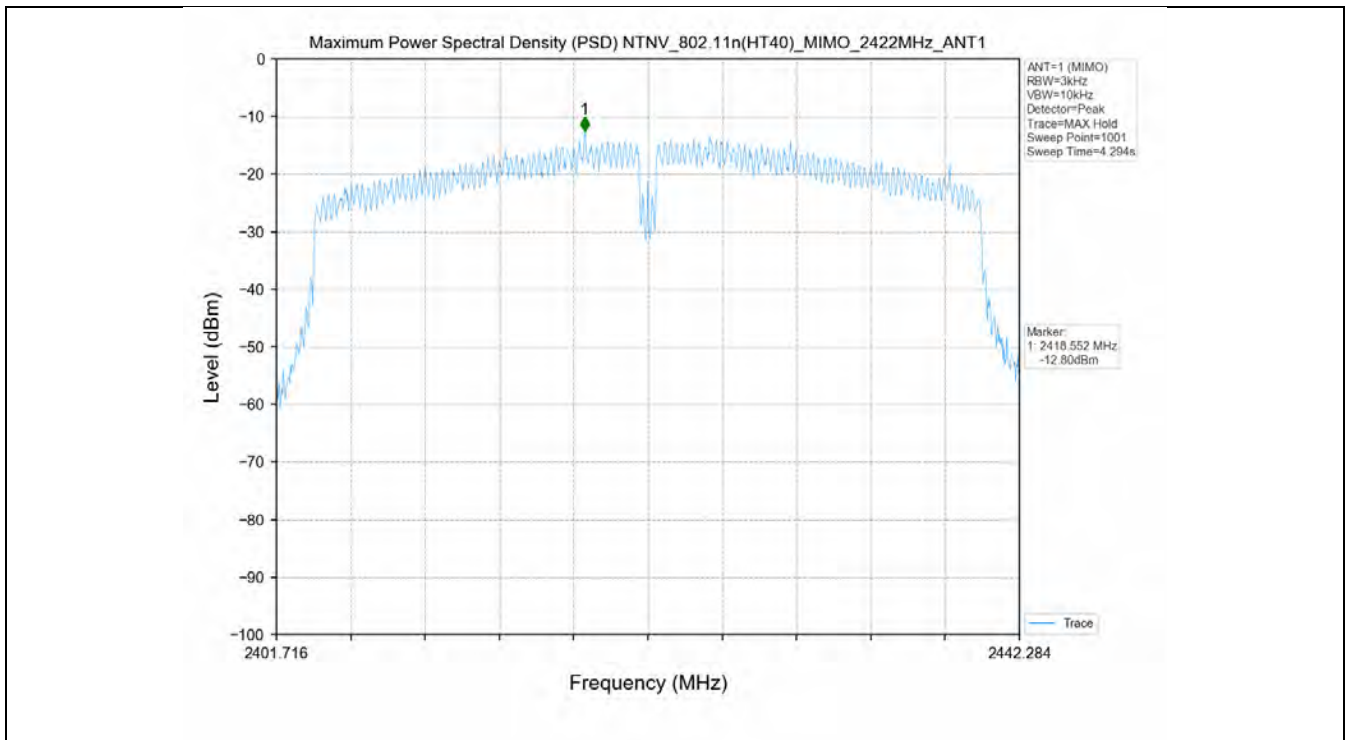
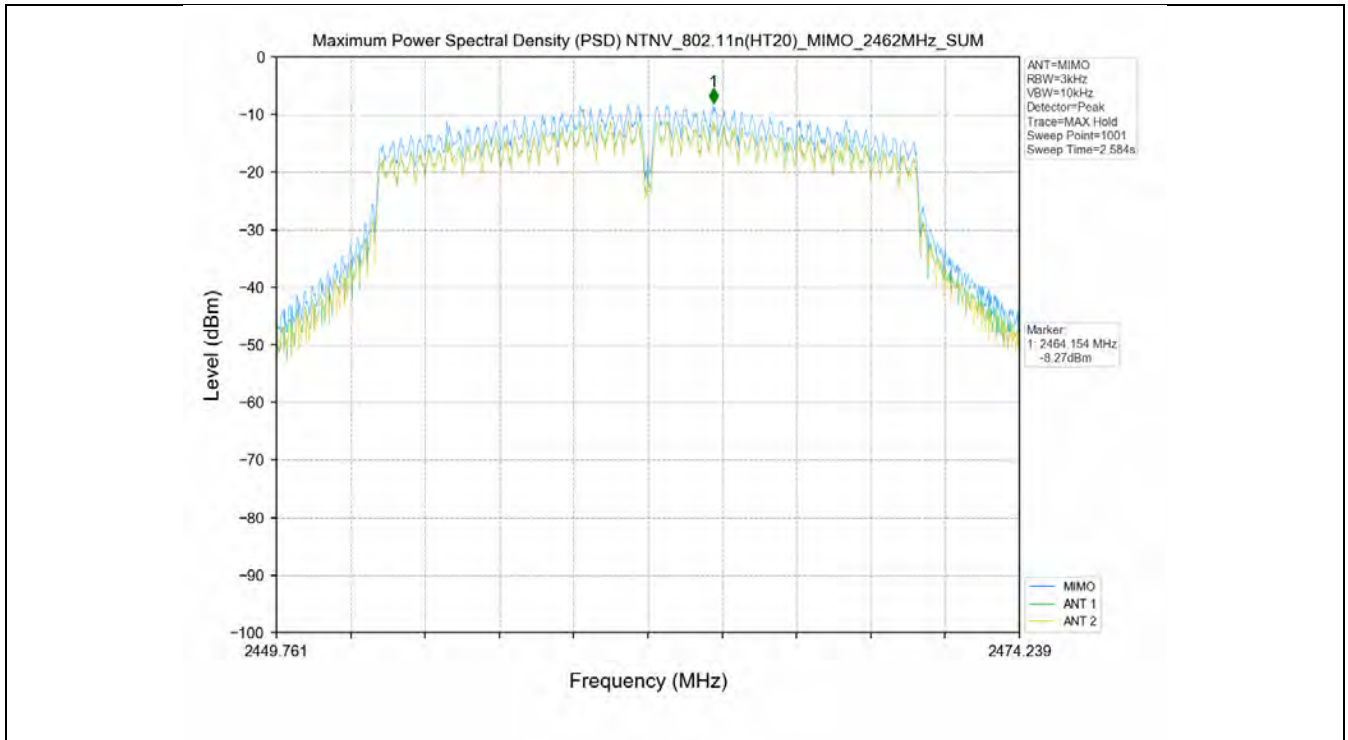


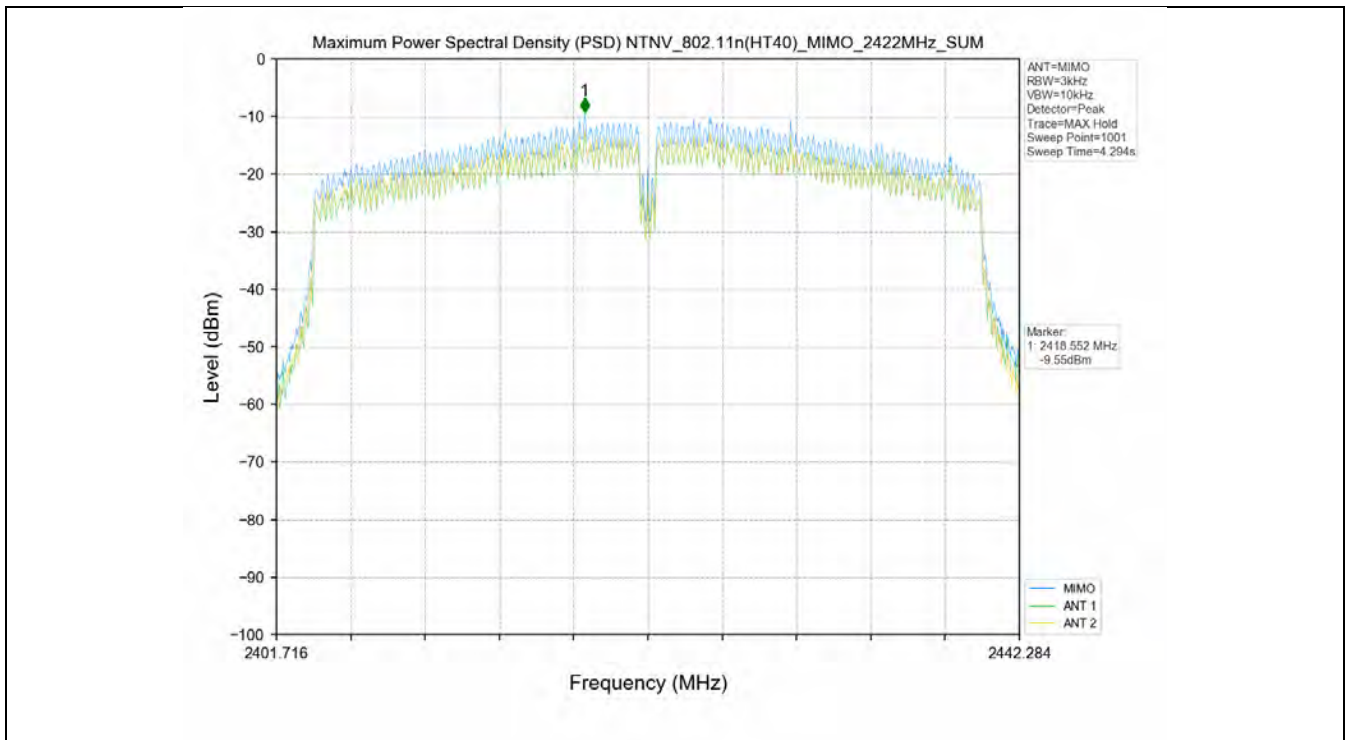
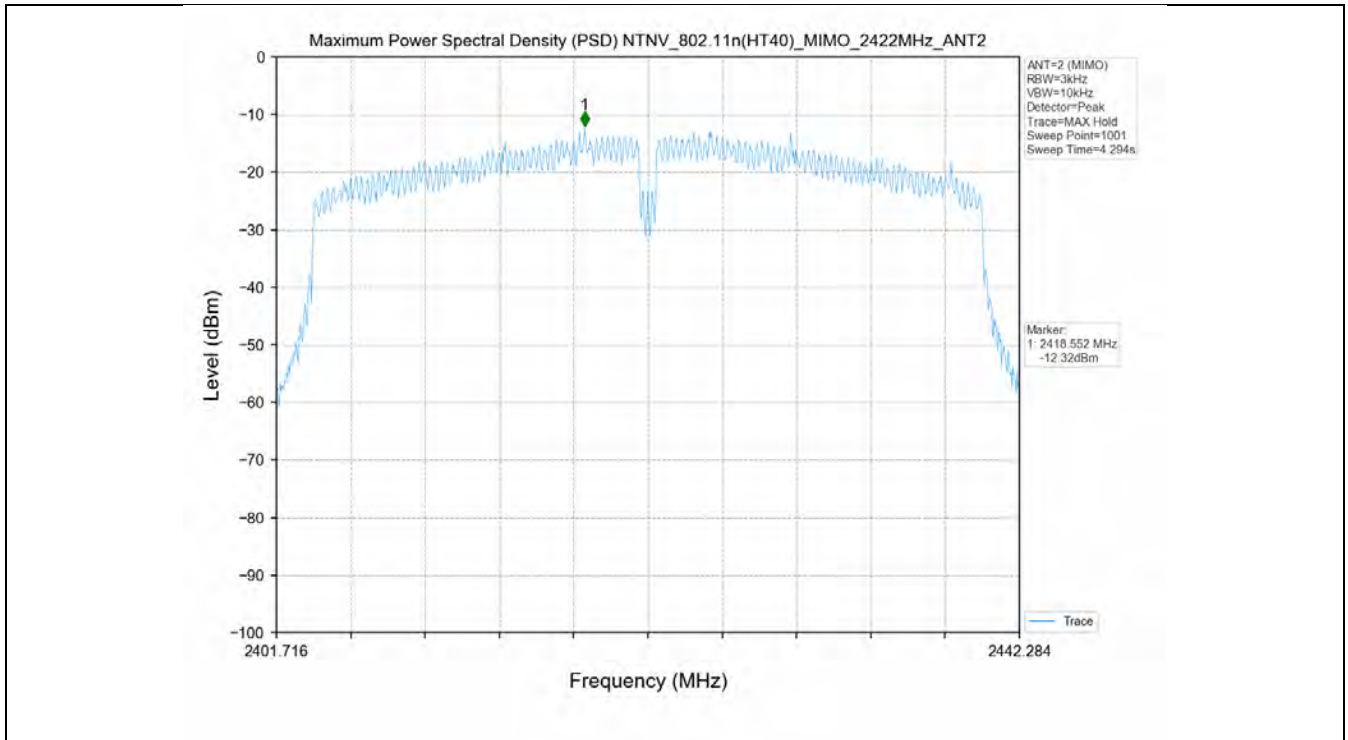


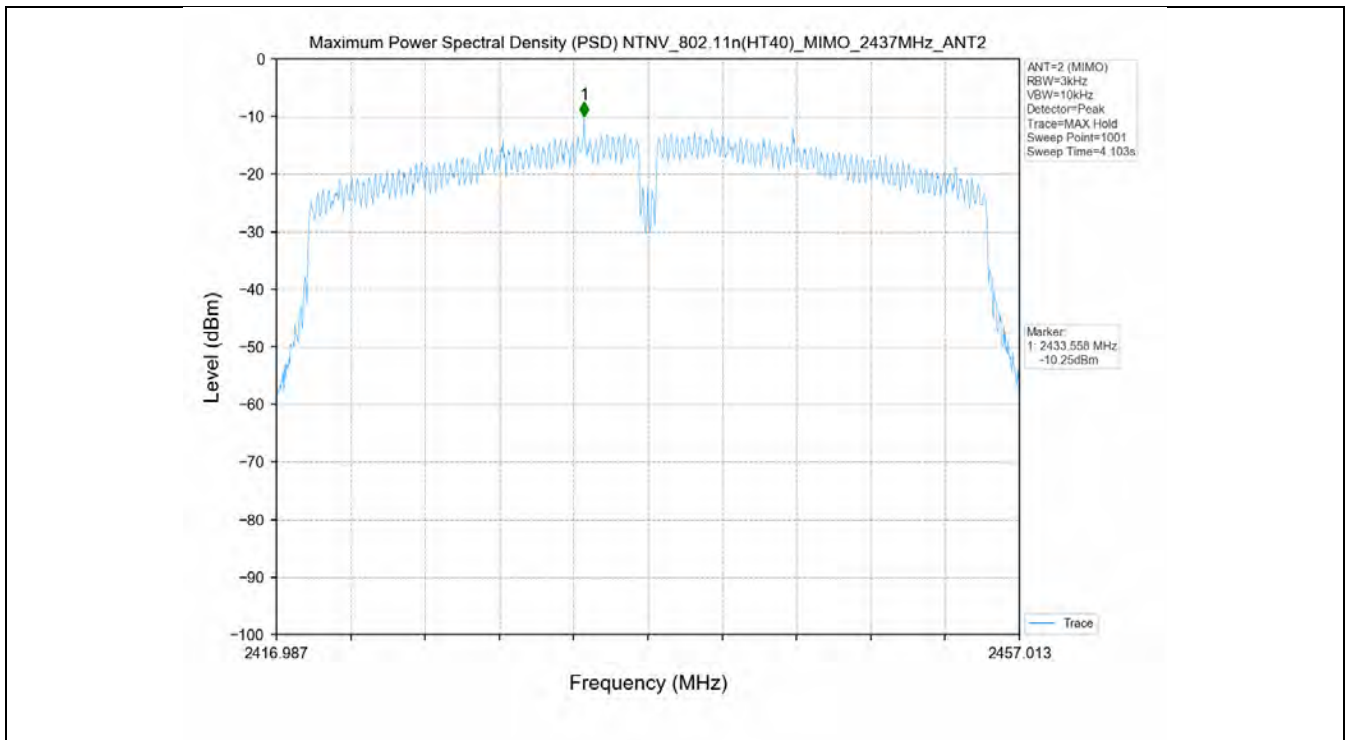
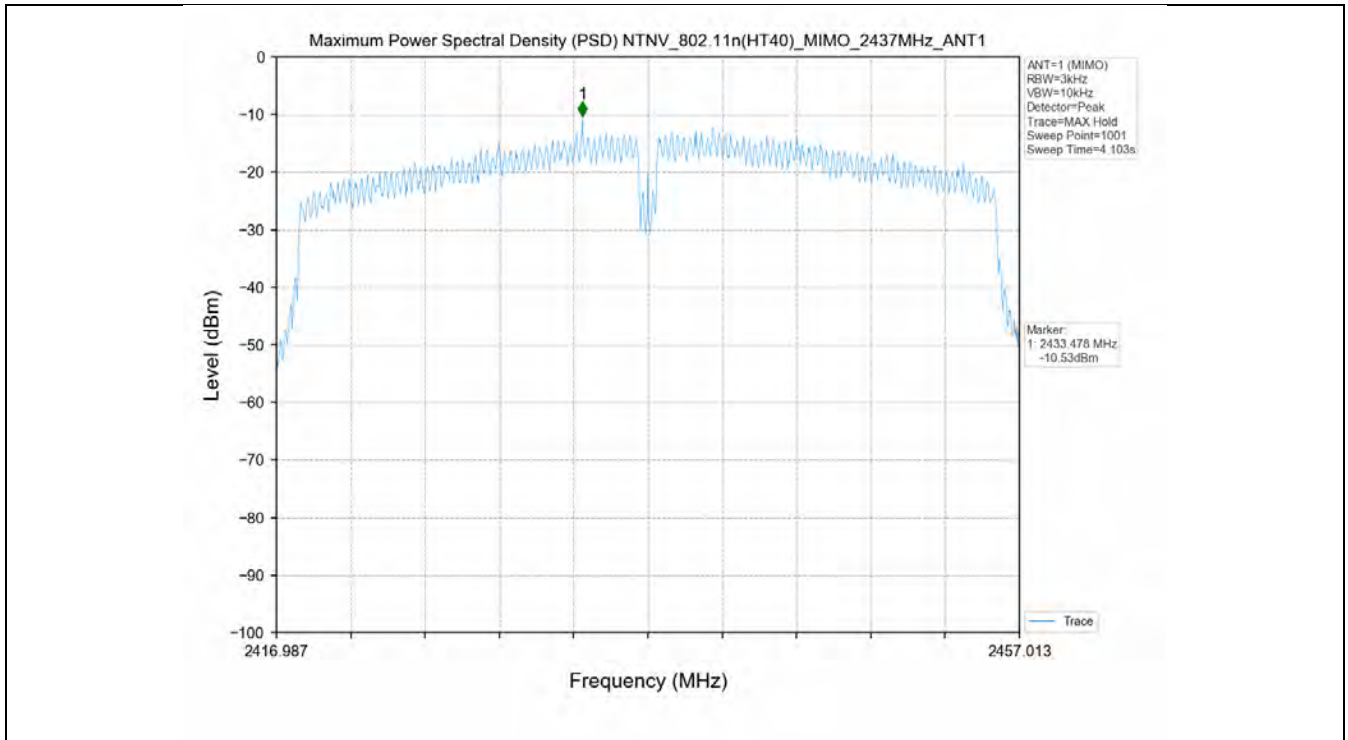


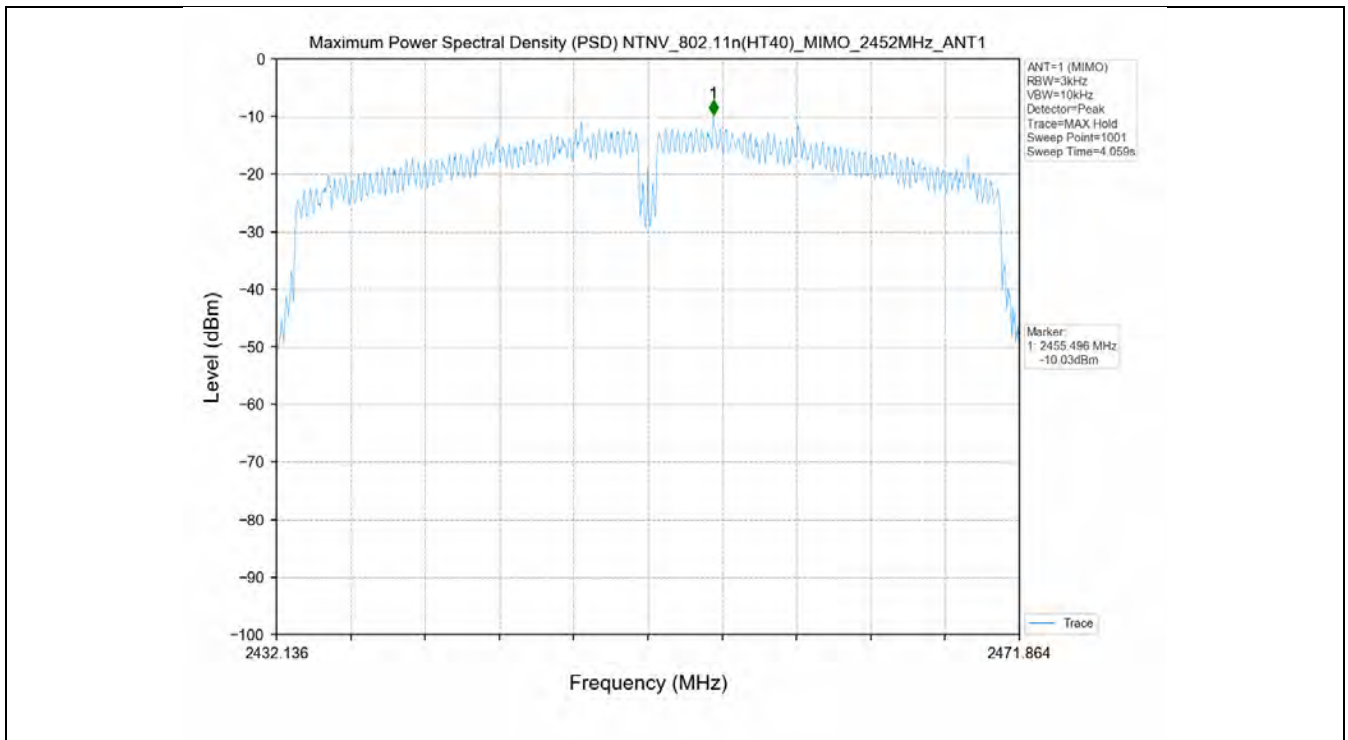
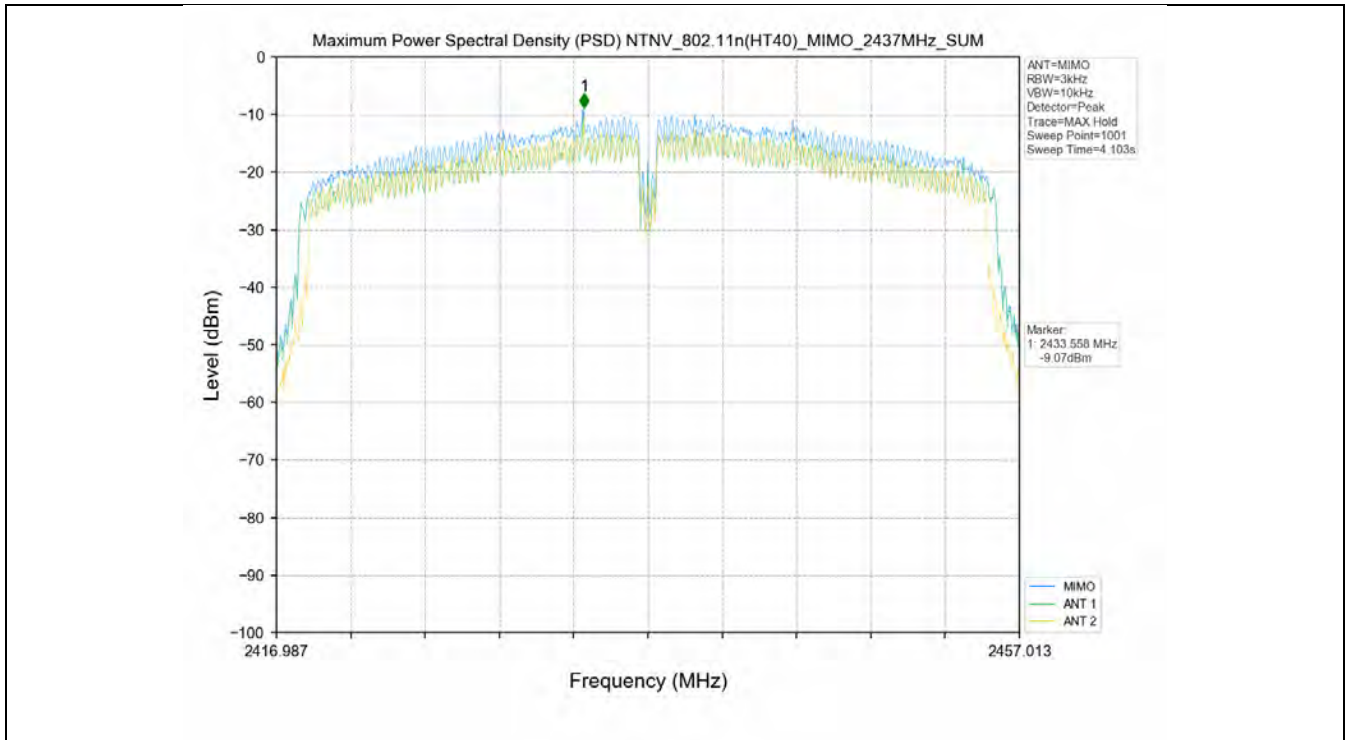


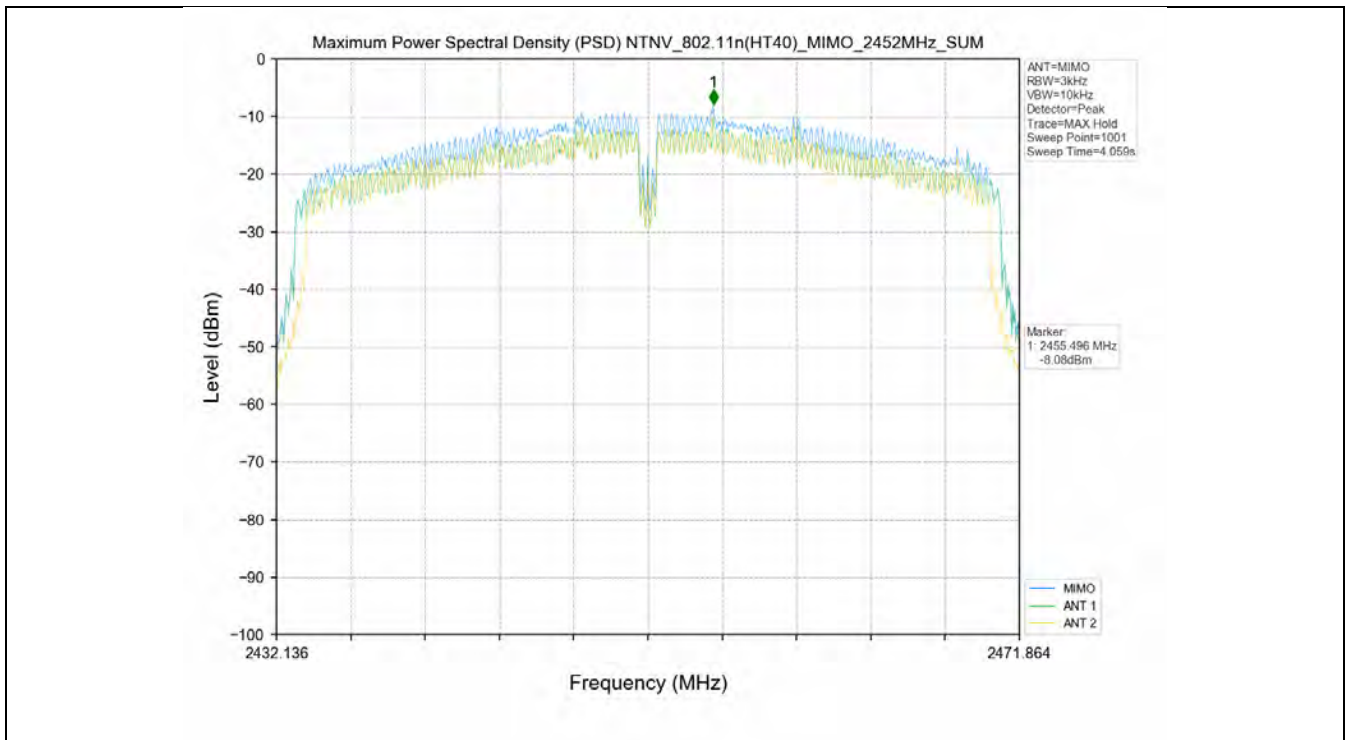
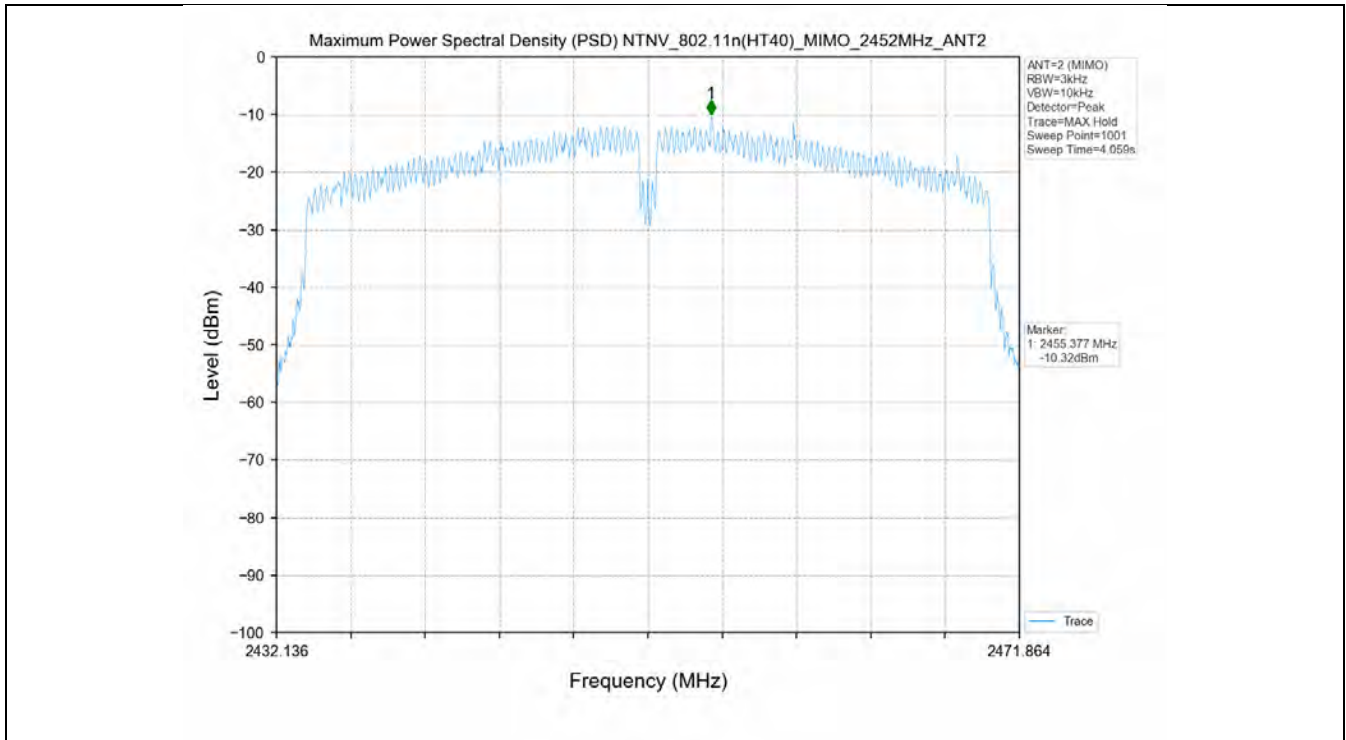














SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.80	PASS
			2	Refer to test graph	-12.80	PASS
	2437	SISO	1	Refer to test graph	-12.80	PASS
			2	Refer to test graph	-12.80	PASS
	2462	SISO	1	Refer to test graph	-12.80	PASS
			2	Refer to test graph	-12.80	PASS
802.11g	2412	SISO	1	Refer to test graph	-16.36	PASS
			2	Refer to test graph	-16.36	PASS
	2437	SISO	1	Refer to test graph	-16.36	PASS
			2	Refer to test graph	-16.36	PASS
	2462	SISO	1	Refer to test graph	-16.36	PASS
			2	Refer to test graph	-16.36	PASS
802.11n(HT20)	2412	MIMO	1	Refer to test graph	-17.16	PASS
			2	Refer to test graph	-17.16	PASS
	2437	MIMO	1	Refer to test graph	-17.16	PASS
			2	Refer to test graph	-17.16	PASS
	2462	MIMO	1	Refer to test graph	-17.16	PASS
			2	Refer to test graph	-17.16	PASS
802.11n(HT40)	2422	MIMO	1	Refer to test graph	-18.13	PASS
			2	Refer to test graph	-18.13	PASS
	2437	MIMO	1	Refer to test graph	-18.13	PASS
			2	Refer to test graph	-18.13	PASS
	2452	MIMO	1	Refer to test graph	-18.13	PASS
			2	Refer to test graph	-18.13	PASS

5.2 Test Graph

