

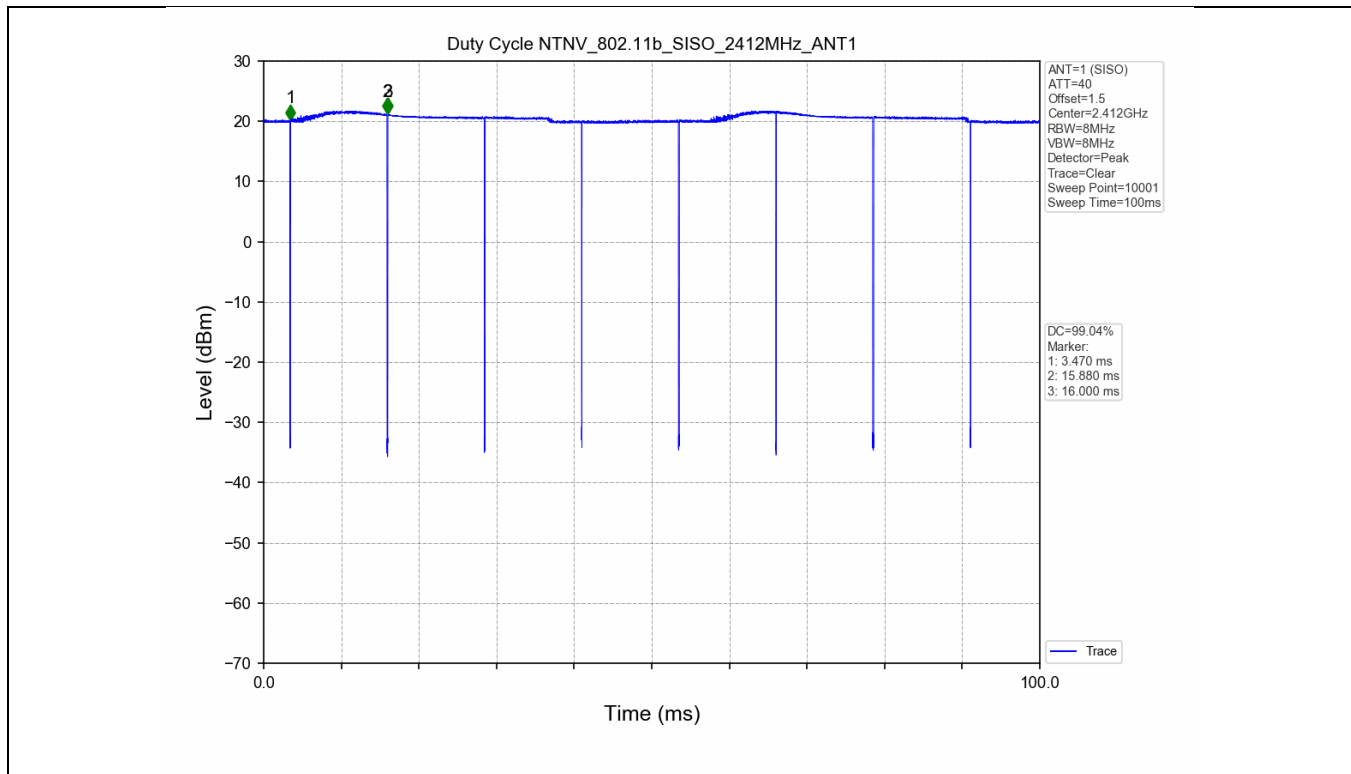
Appendix A for SHEM210600601801

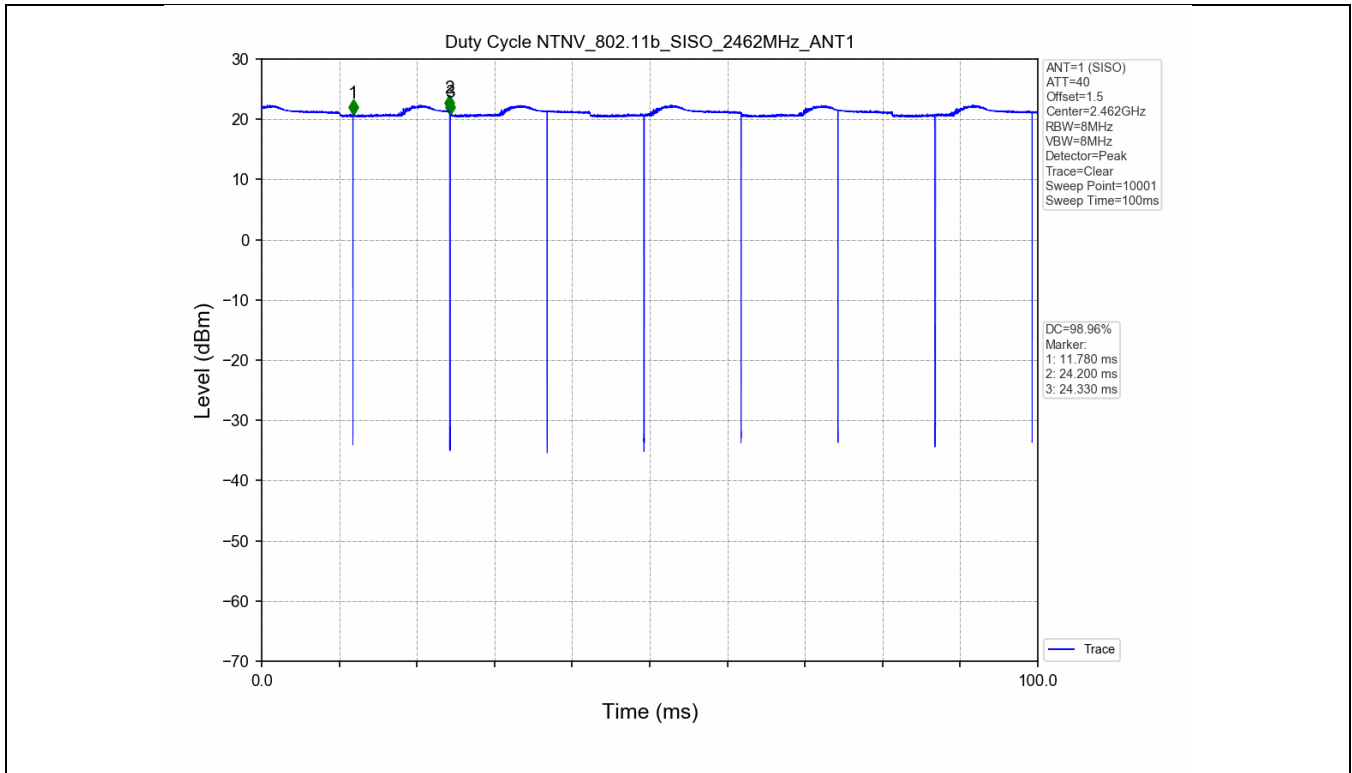
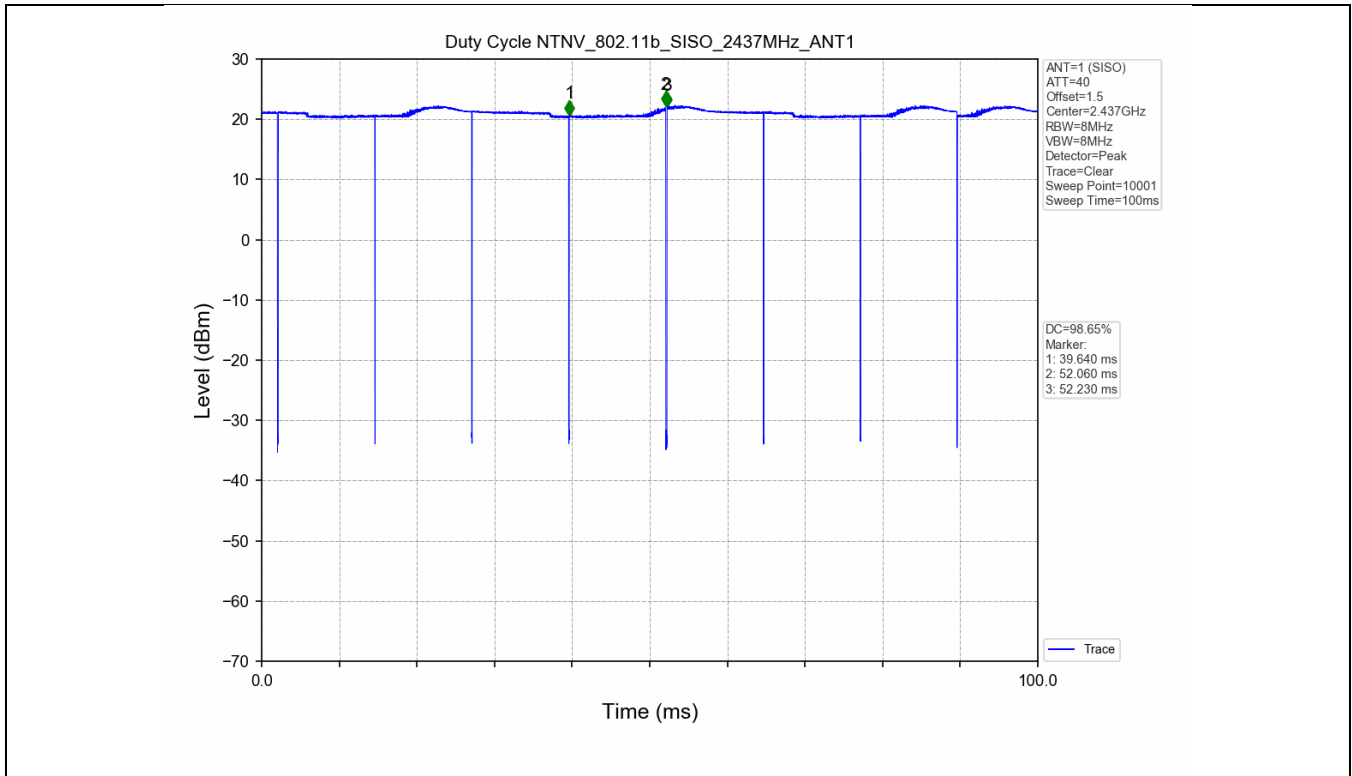
1. Duty Cycle

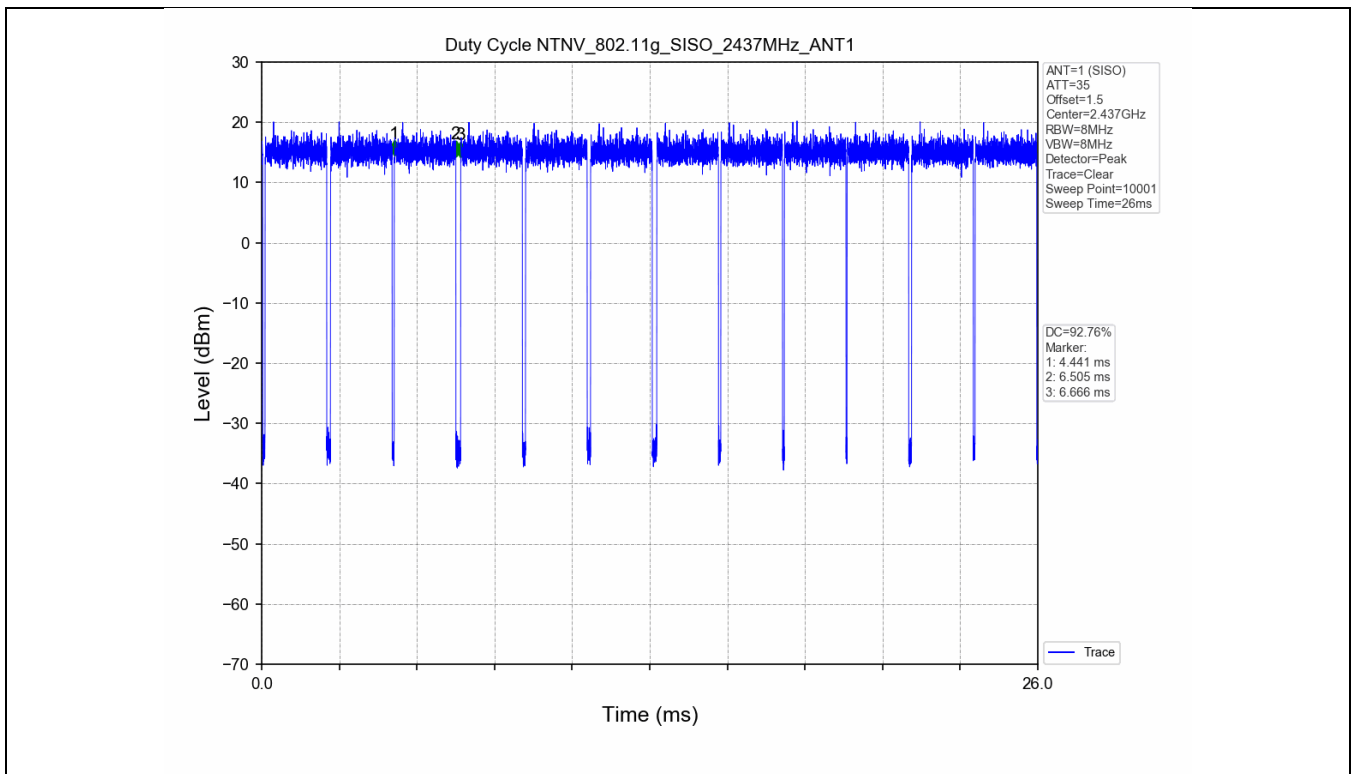
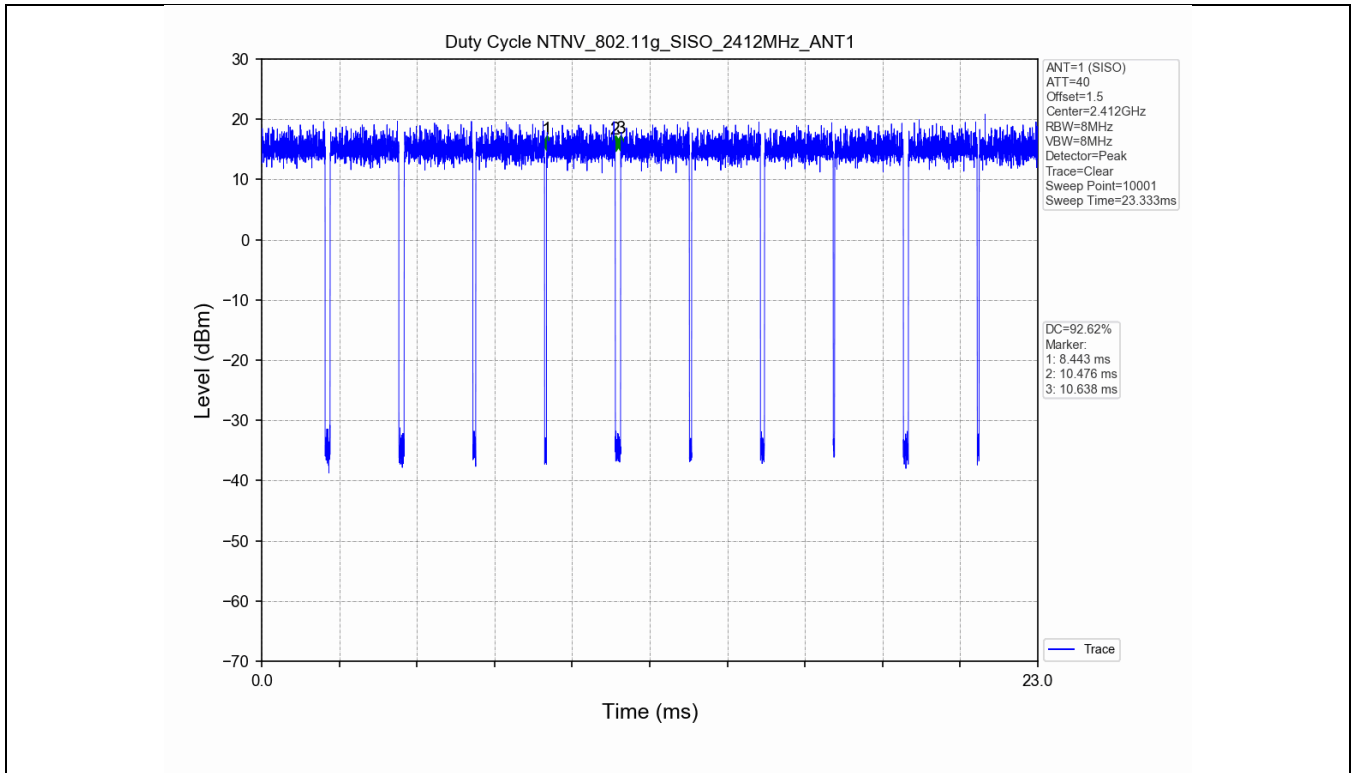
1.1 Test Result

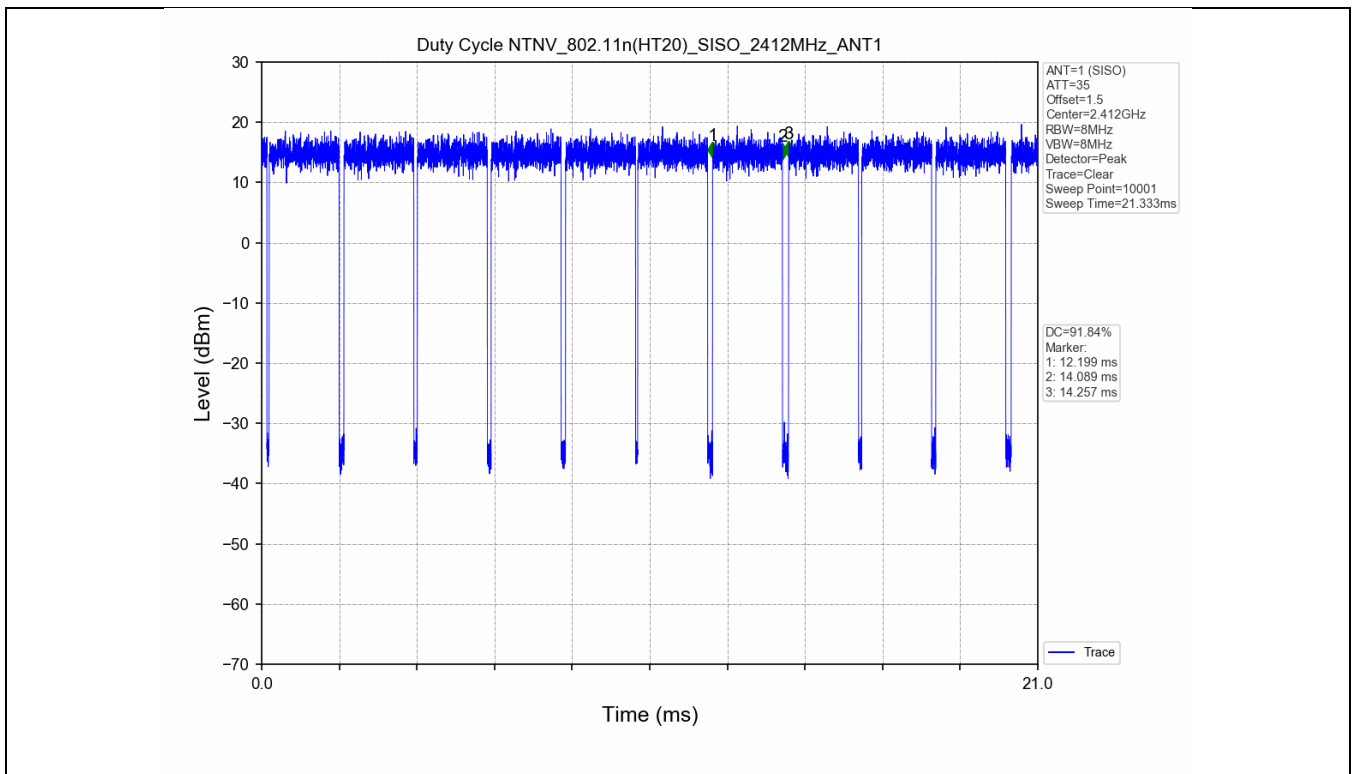
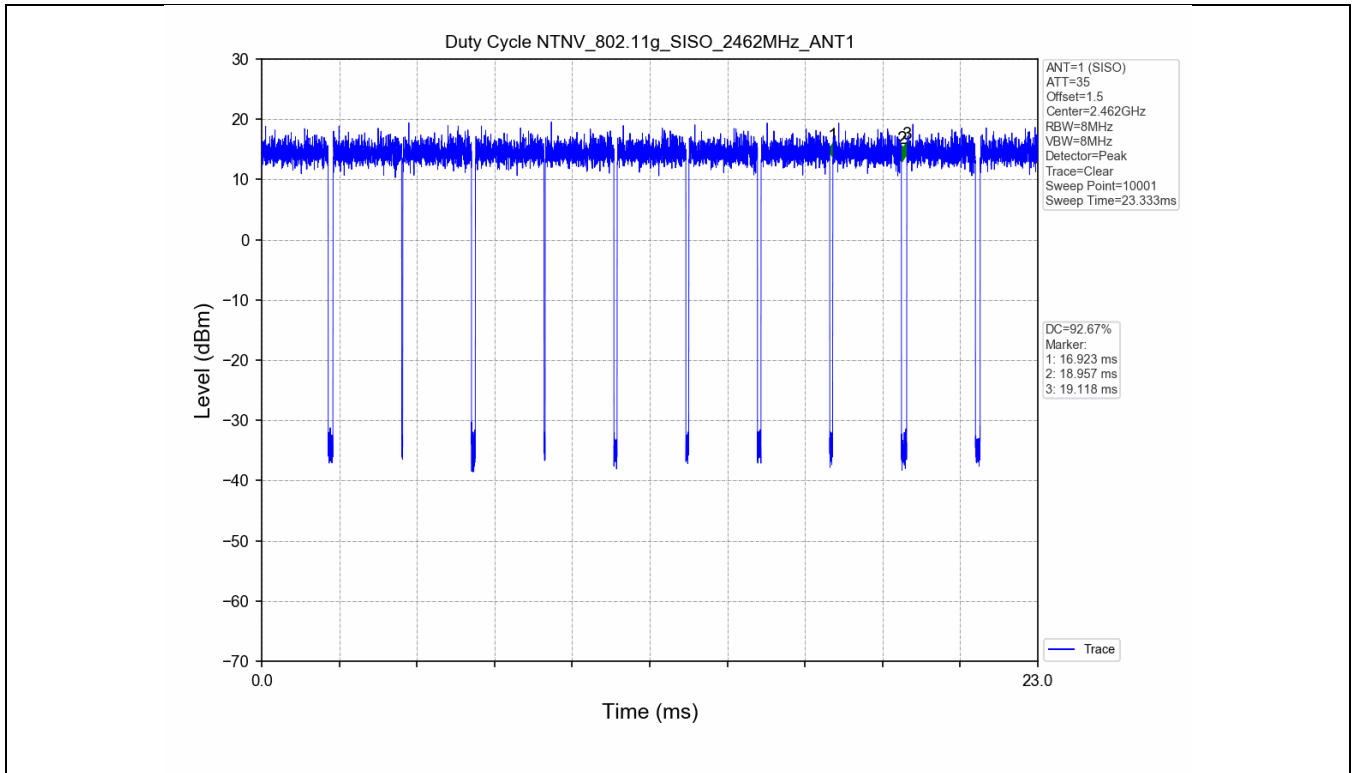
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.410	12.530	99.04	0.04
	2437	SISO	1	12.420	12.590	98.65	0.06
	2462	SISO	1	12.420	12.550	98.96	0.05
802.11g	2412	SISO	1	2.033	2.195	92.62	0.33
	2437	SISO	1	2.064	2.225	92.76	0.33
	2462	SISO	1	2.034	2.195	92.67	0.33
802.11n(HT20)	2412	SISO	1	1.890	2.058	91.84	0.37
	2437	SISO	1	1.895	2.063	91.86	0.37
	2462	SISO	1	1.890	2.058	91.84	0.37
802.11n(HT40)	2422	SISO	1	0.921	1.087	84.73	0.72
	2437	SISO	1	0.945	1.115	84.75	0.72
	2452	SISO	1	0.915	1.072	85.35	0.69

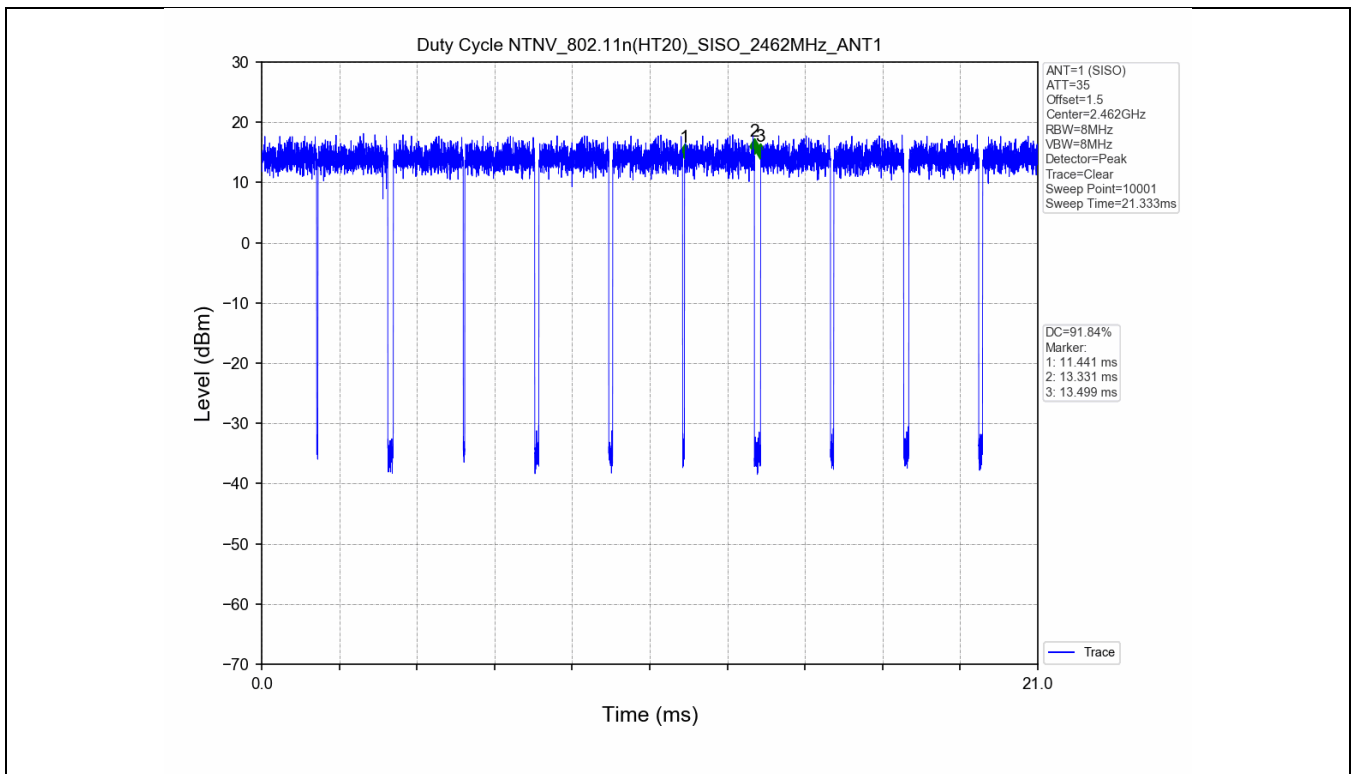
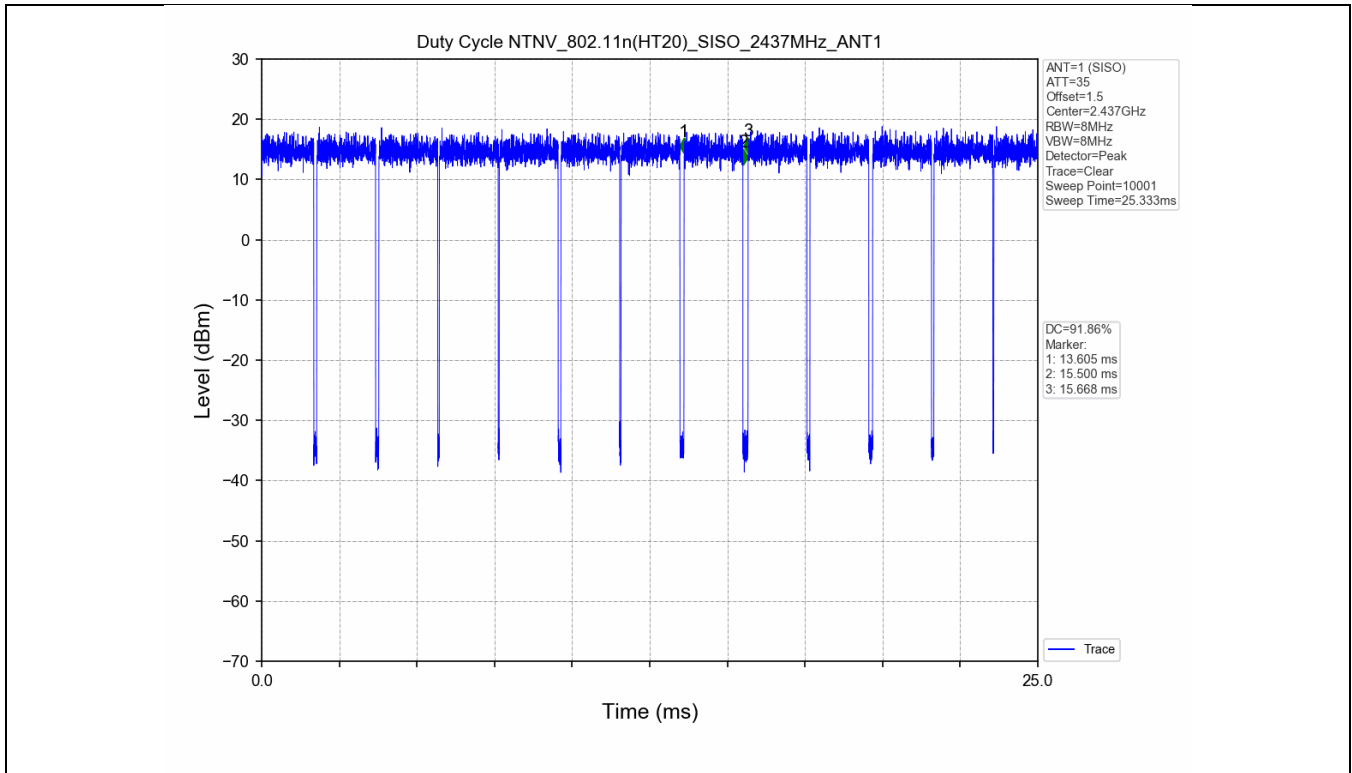
1.2 Test Graph

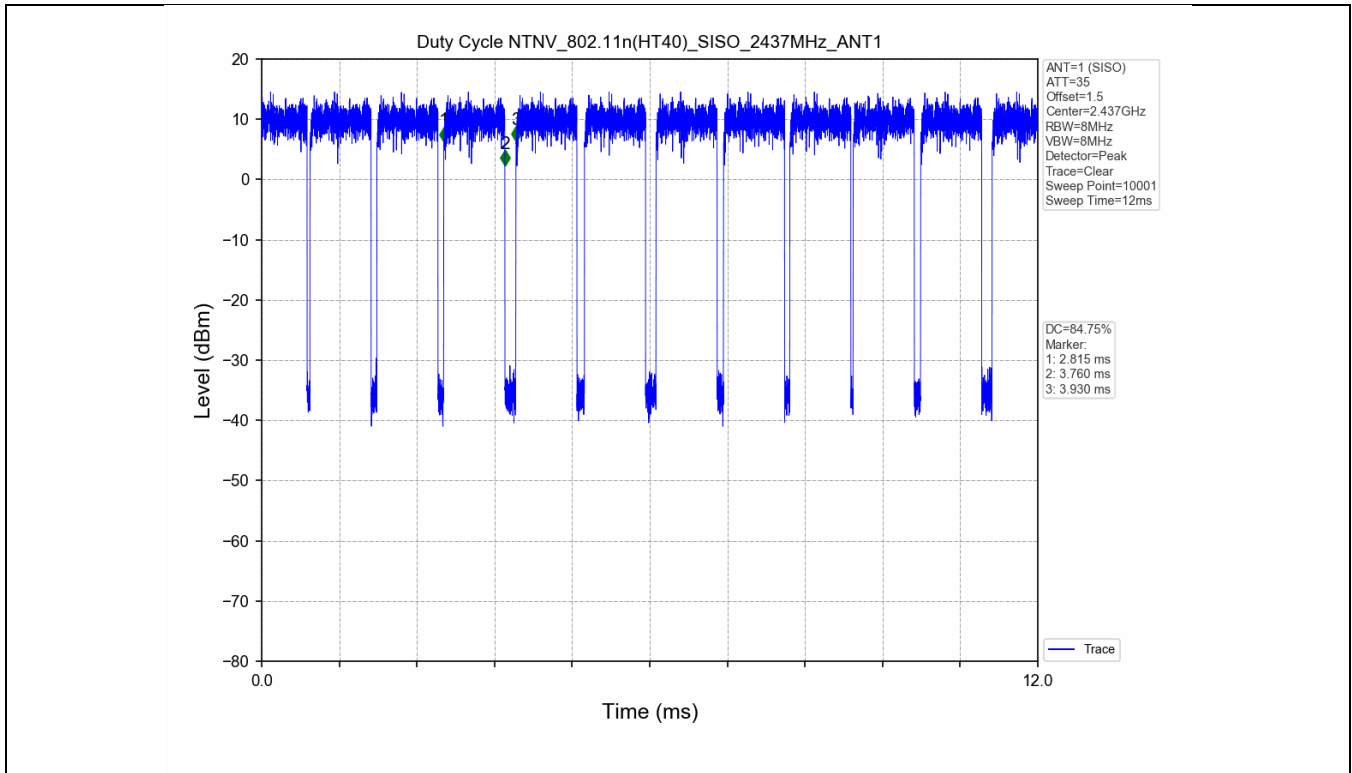
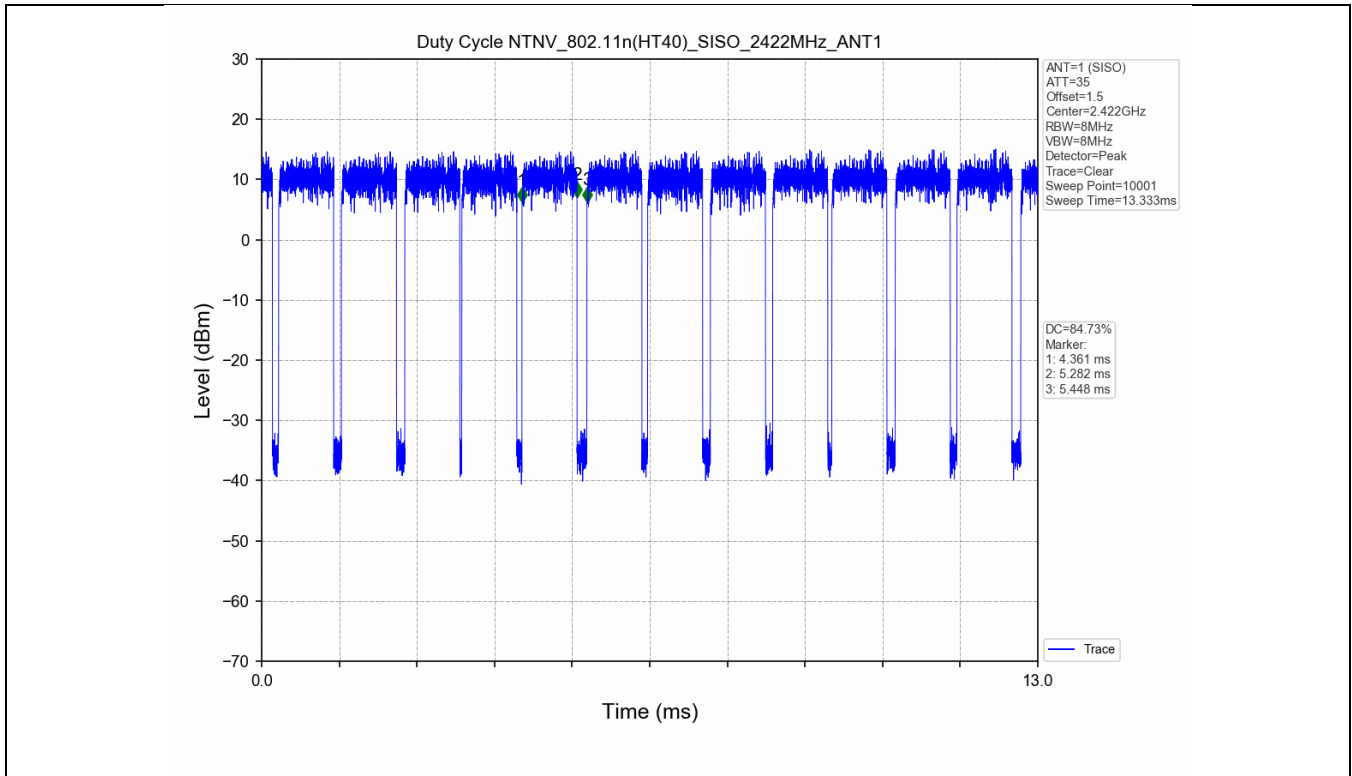


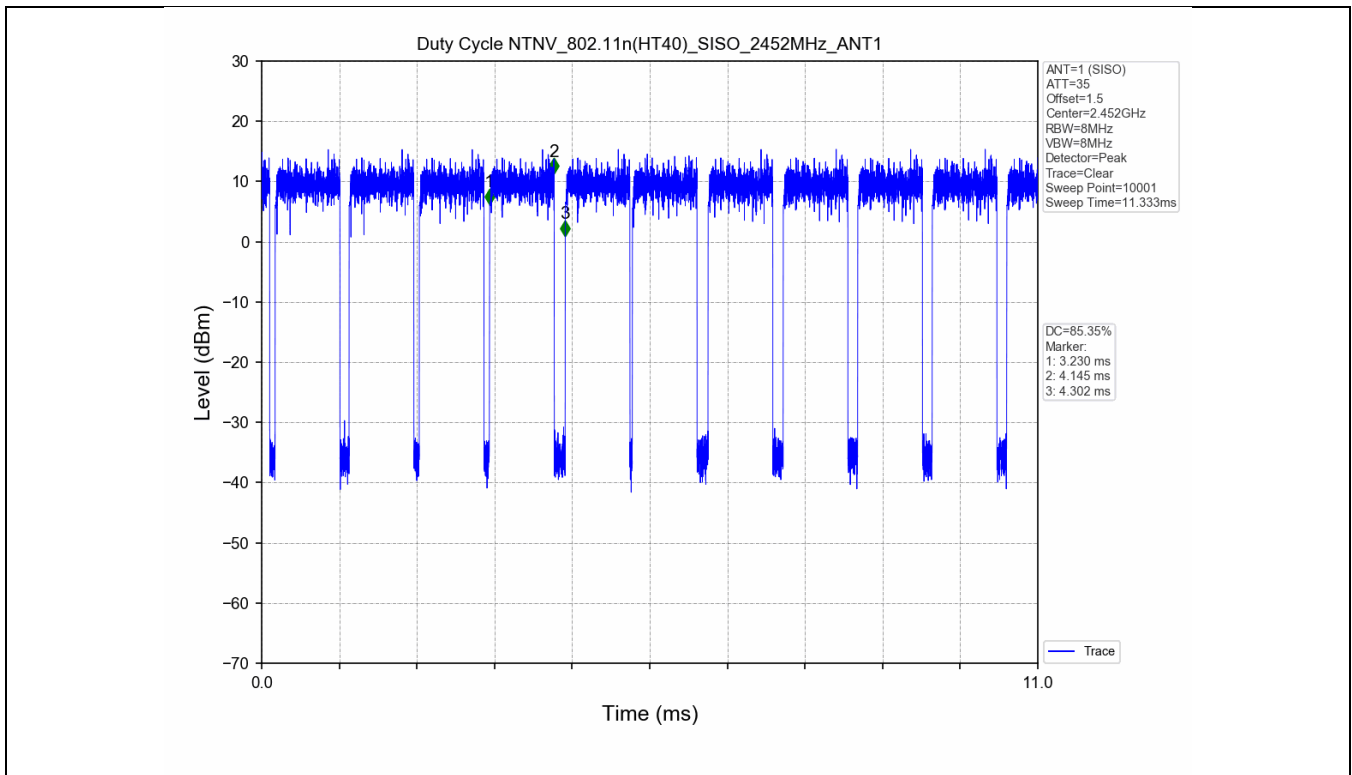












2. Bandwidth

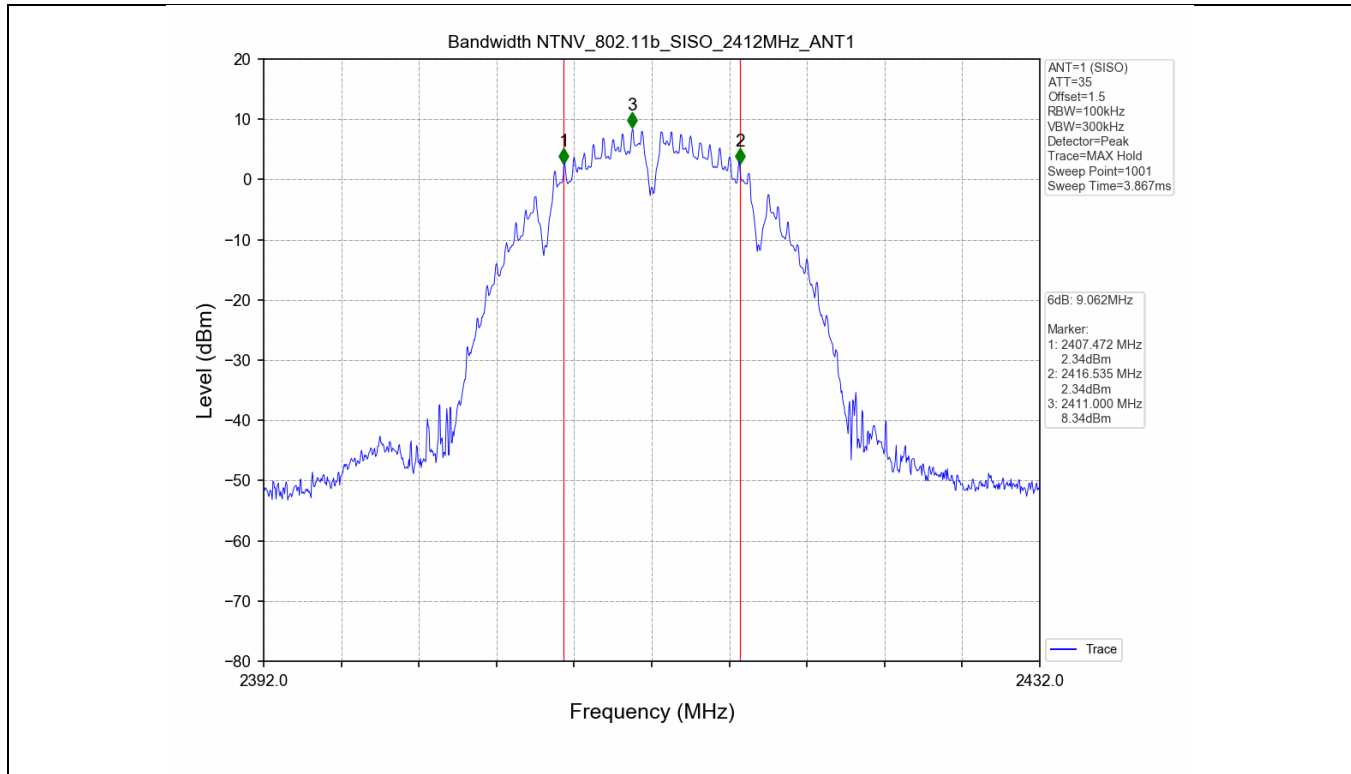
2.1 Test Result

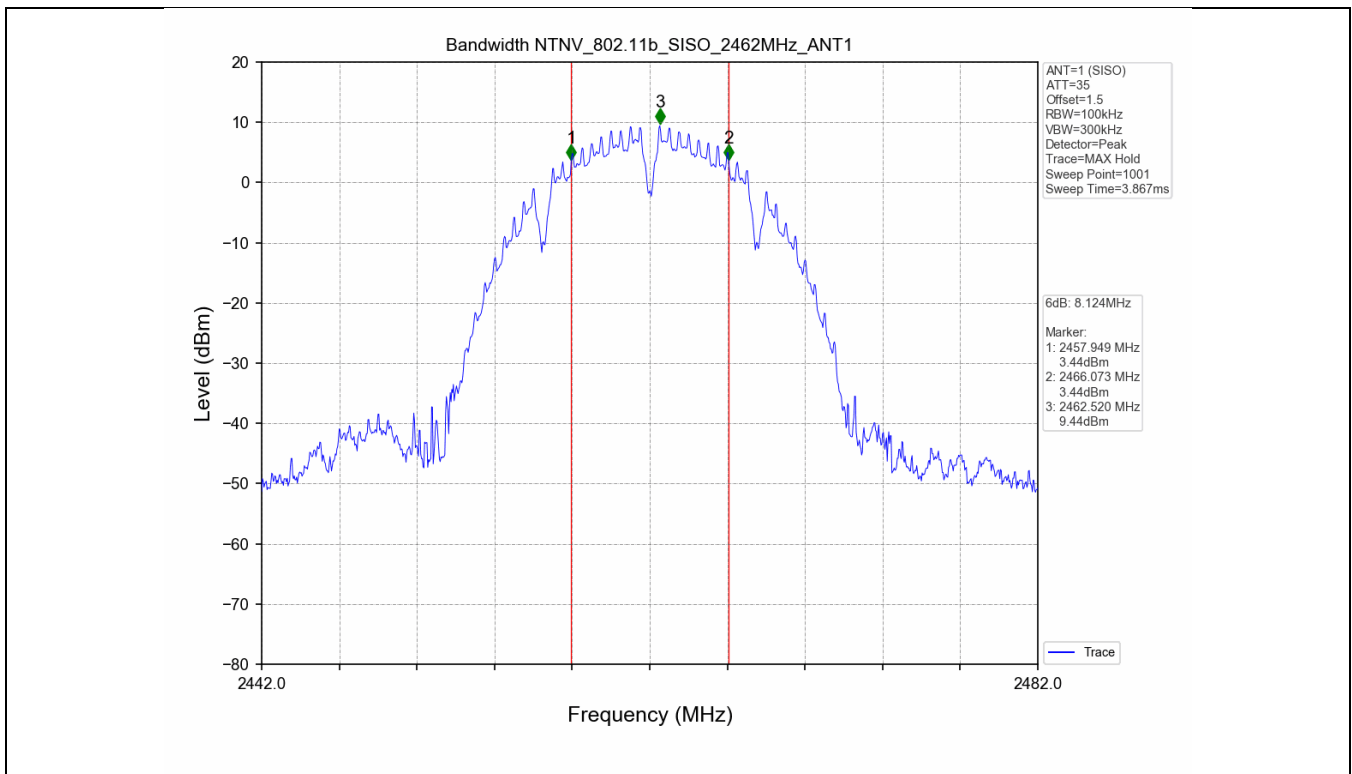
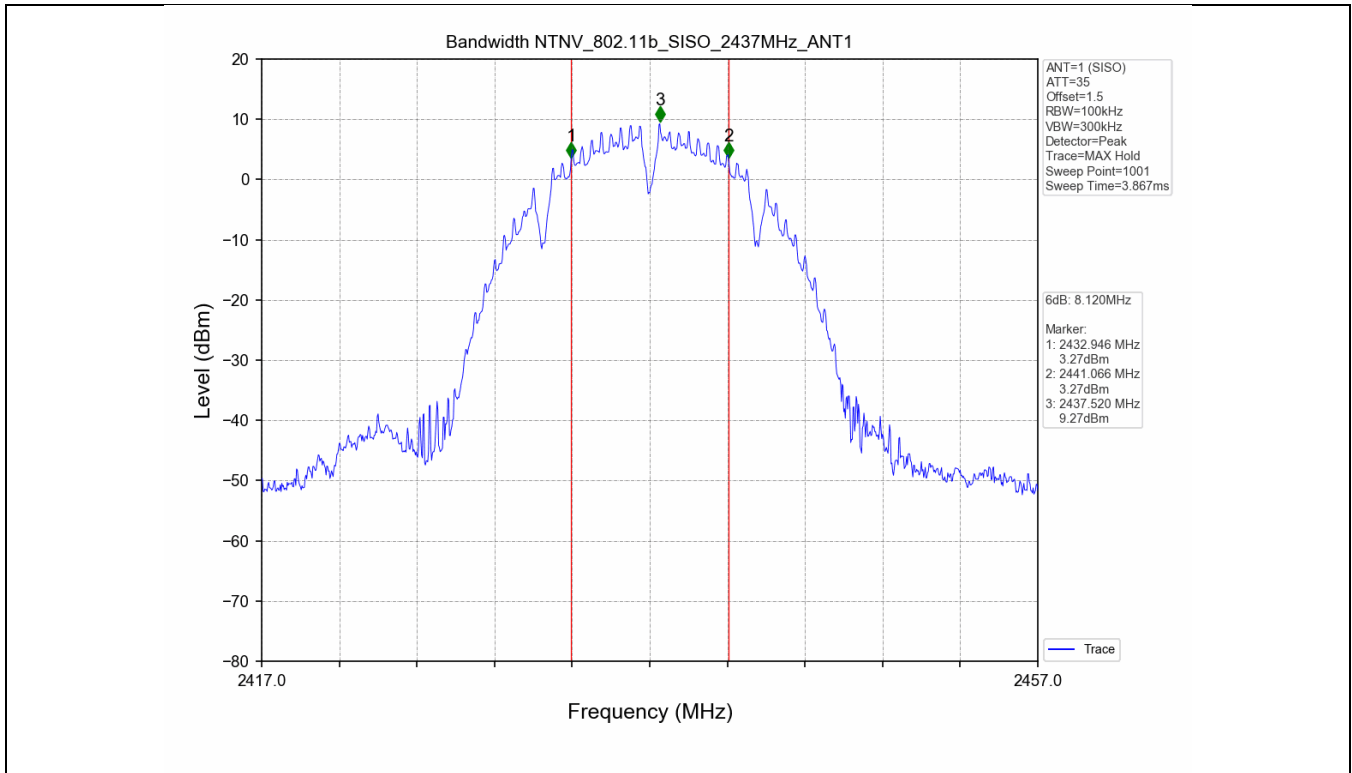
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.062	≥0.5	PASS
	2437	SISO	1	8.120	≥0.5	PASS
	2462	SISO	1	8.124	≥0.5	PASS
802.11g	2412	SISO	1	16.420	≥0.5	PASS
	2437	SISO	1	16.409	≥0.5	PASS
	2462	SISO	1	16.389	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.580	≥0.5	PASS
	2437	SISO	1	17.570	≥0.5	PASS
	2462	SISO	1	17.597	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	36.127	≥0.5	PASS
	2437	SISO	1	36.090	≥0.5	PASS
	2452	SISO	1	35.980	≥0.5	PASS

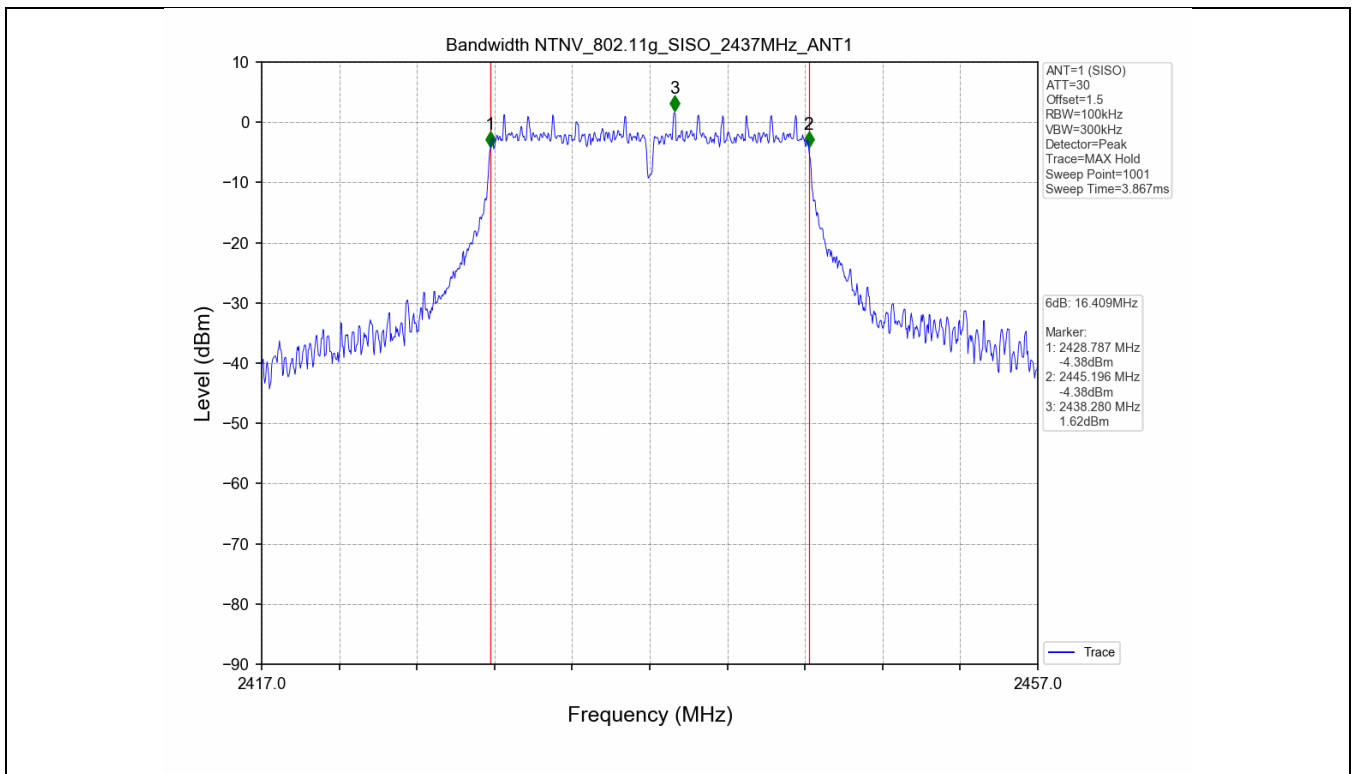
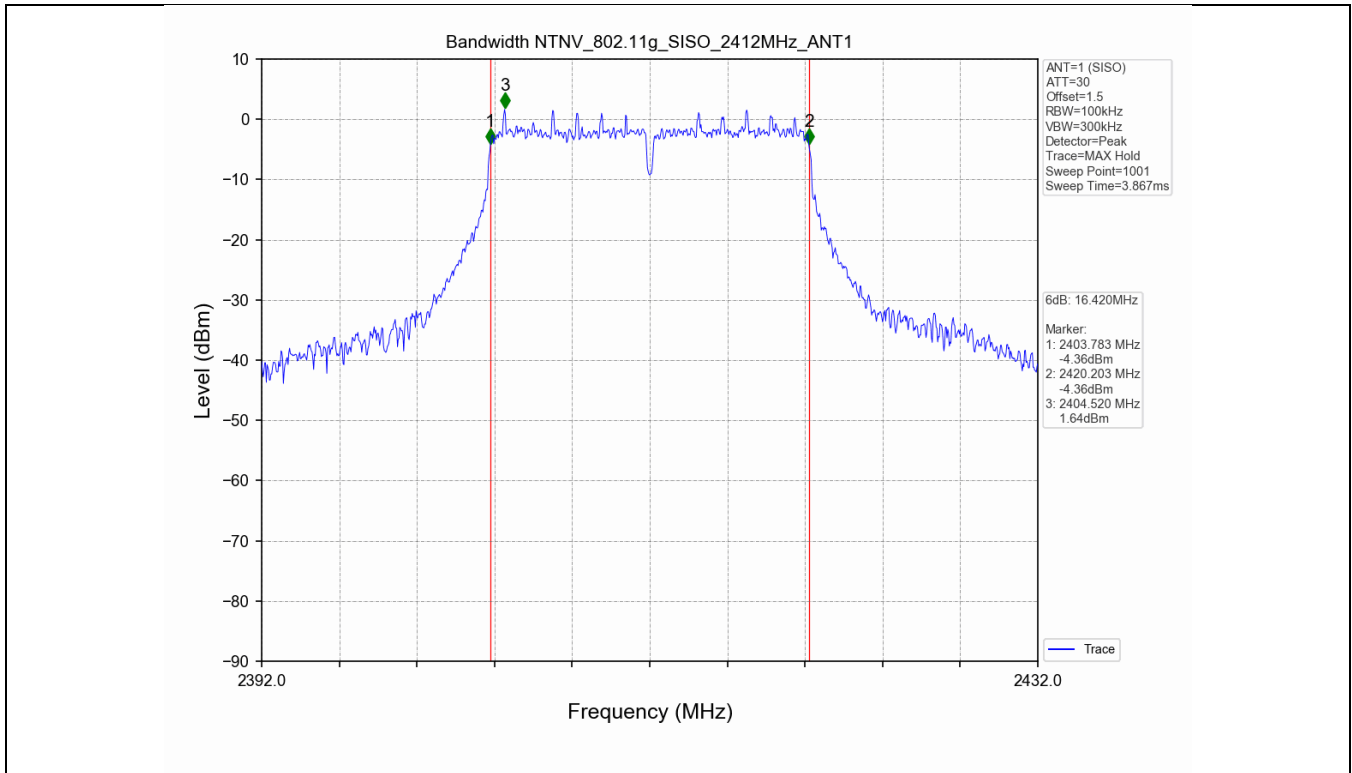
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	Only for Report Use
802.11b	2412	SISO	1	13.230	Only for Report Use
	2437	SISO	1	13.229	Only for Report Use
	2462	SISO	1	13.227	Only for Report Use
802.11g	2412	SISO	1	17.103	Only for Report Use
	2437	SISO	1	16.945	Only for Report Use
	2462	SISO	1	17.048	Only for Report Use

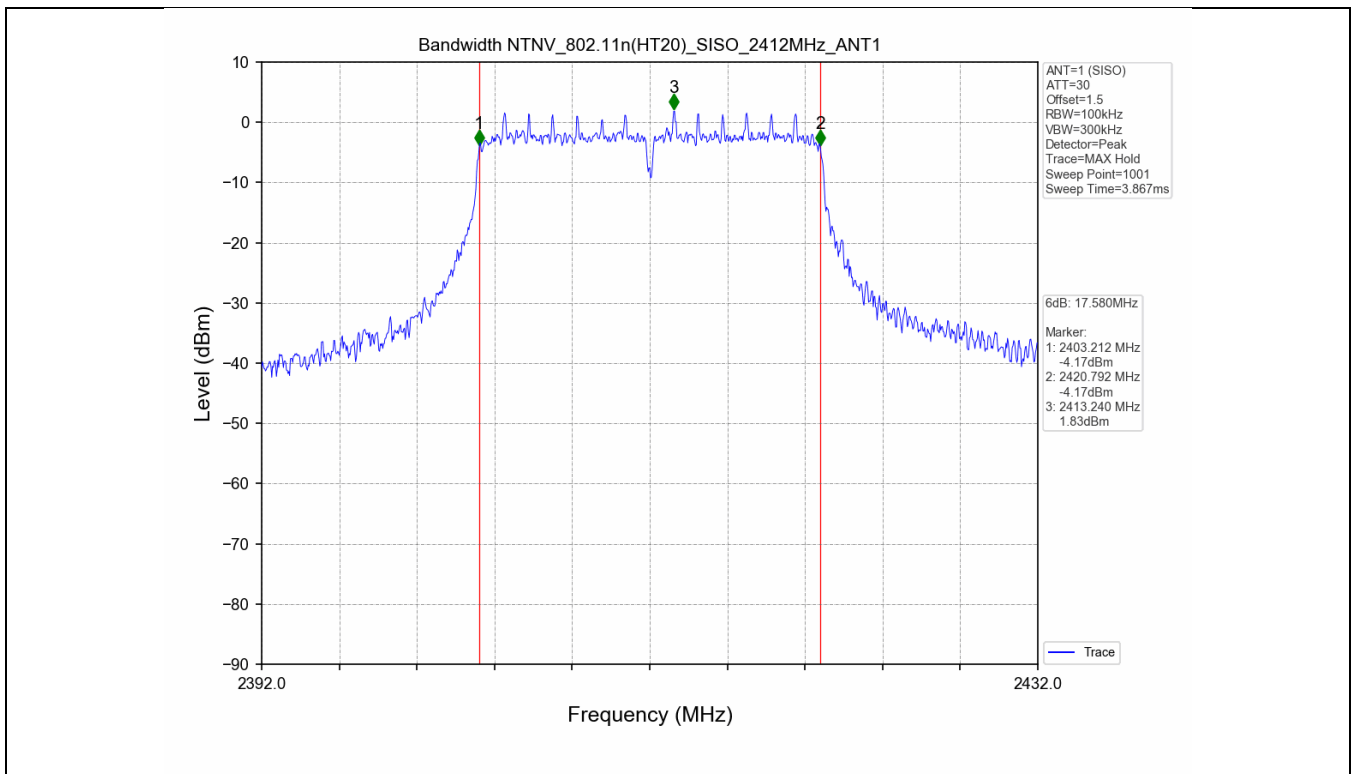
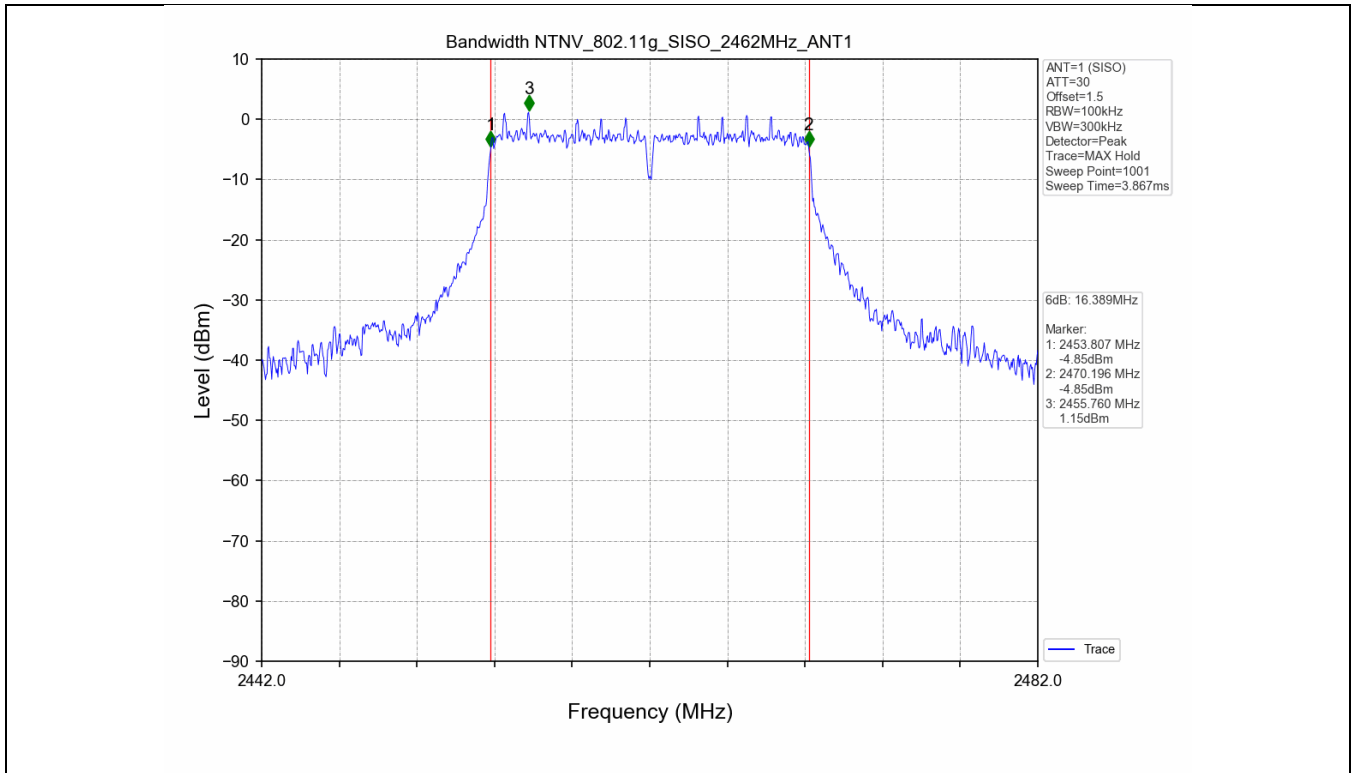
802.11n(HT20)	2412	SISO	1	17.978	Only for Report Use
	2437	SISO	1	18.068	Only for Report Use
	2462	SISO	1	17.946	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.707	Only for Report Use
	2437	SISO	1	36.620	Only for Report Use
	2452	SISO	1	36.685	Only for Report Use

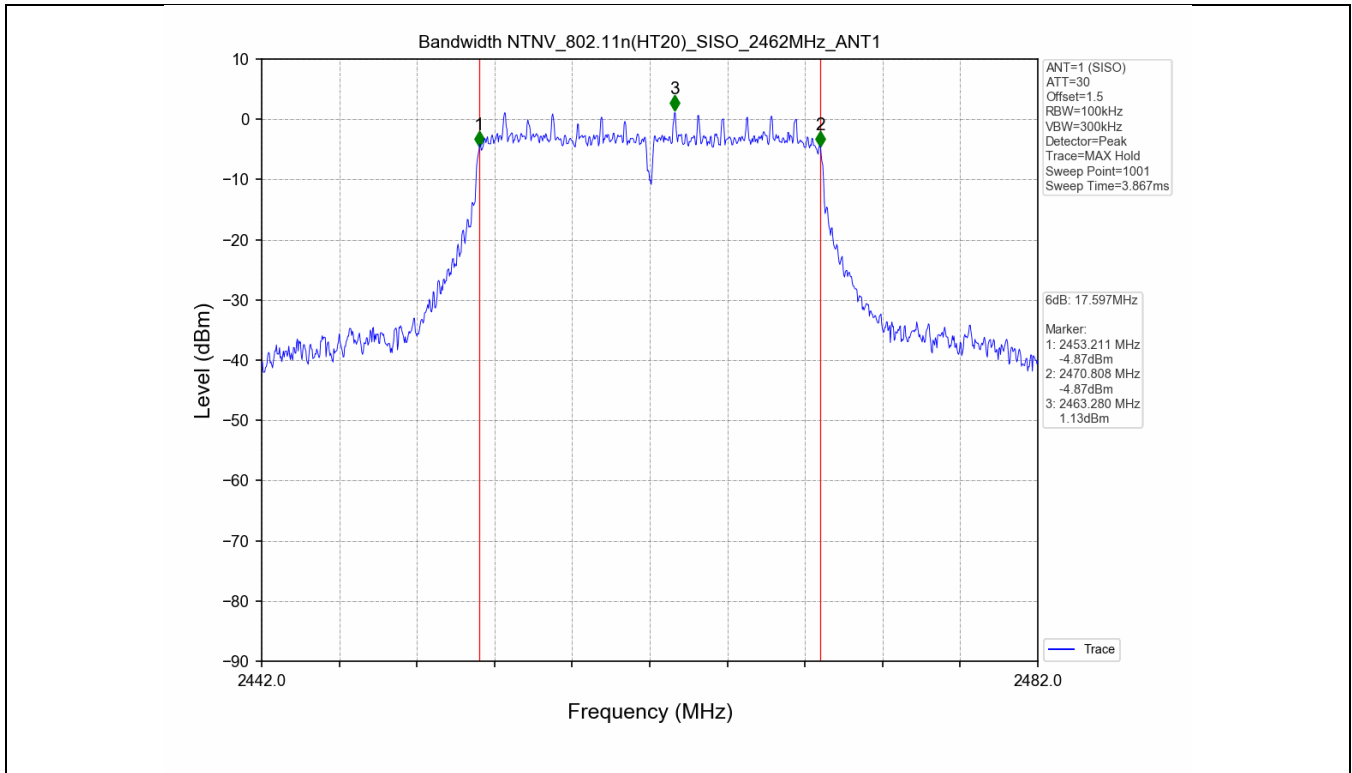
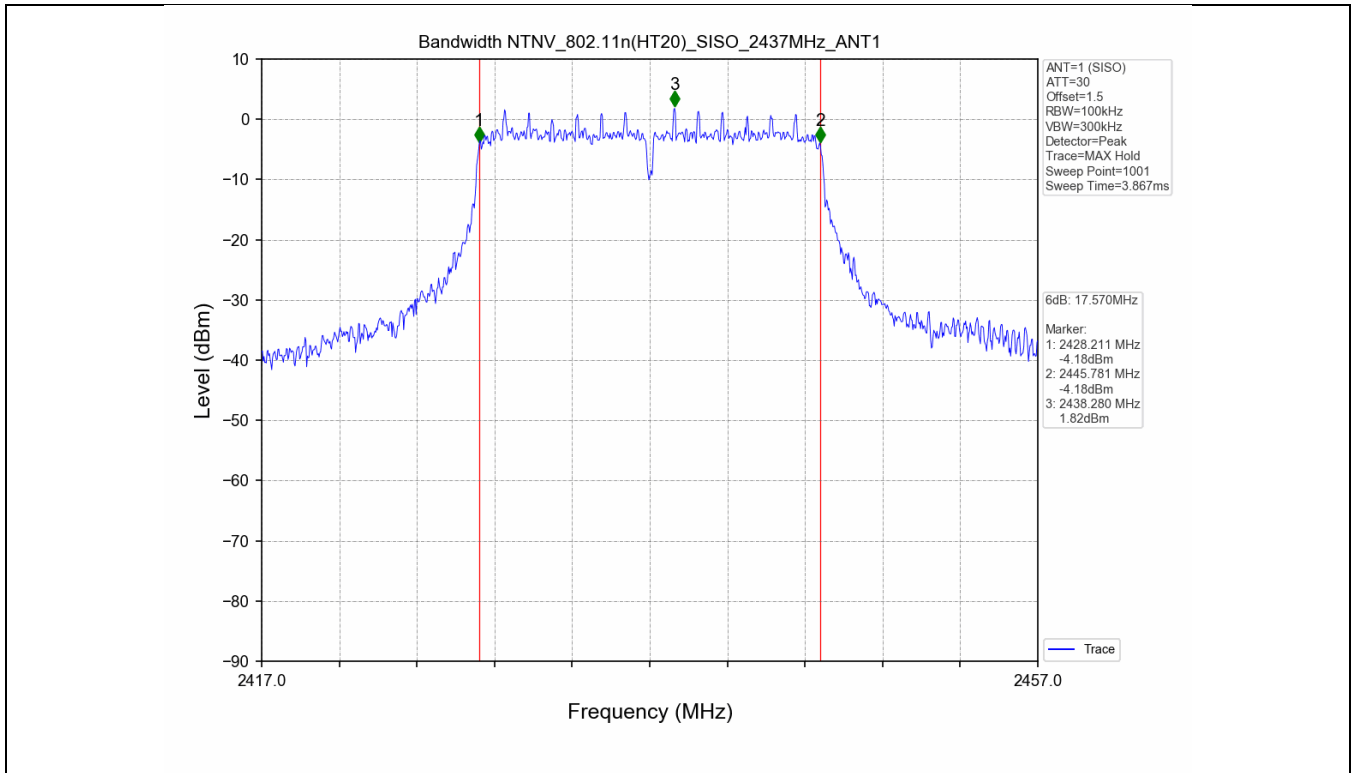
2.2 Test Graph - 6dB Bandwidth

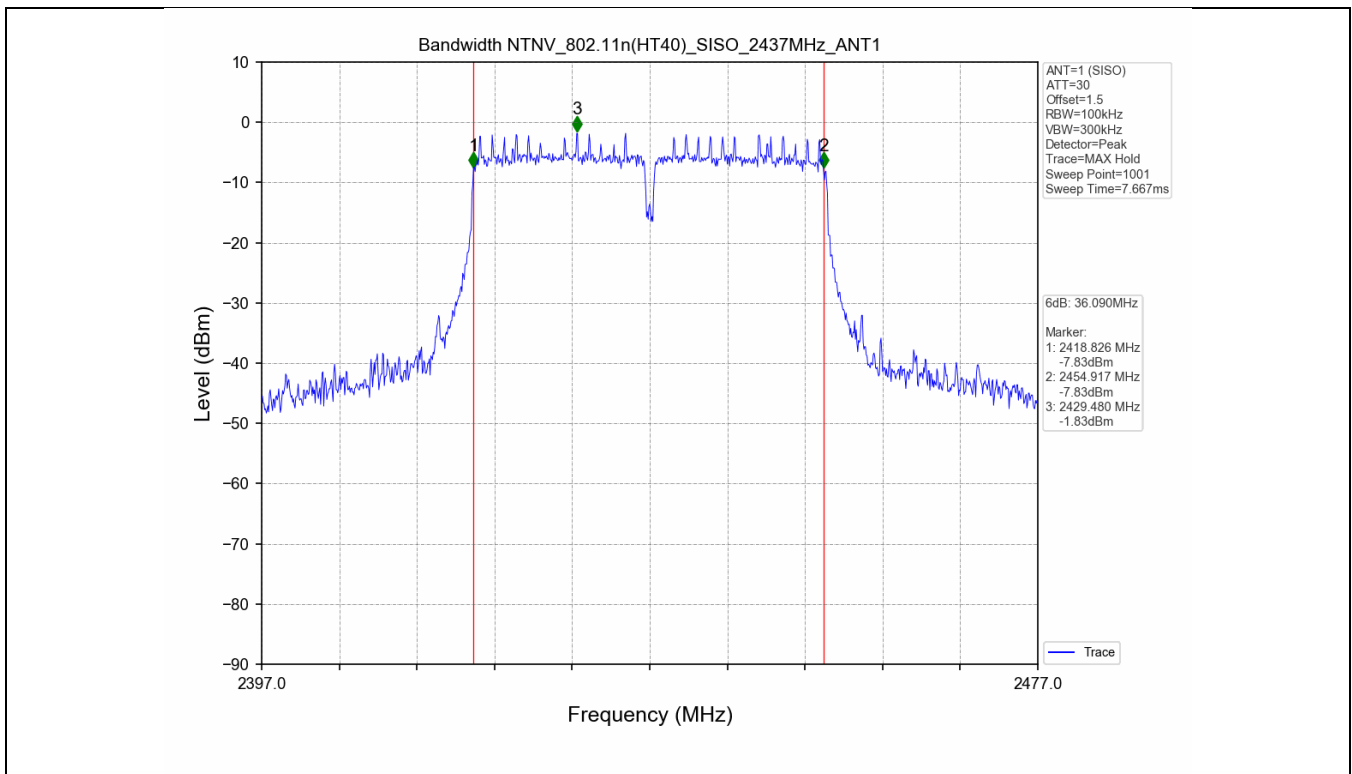
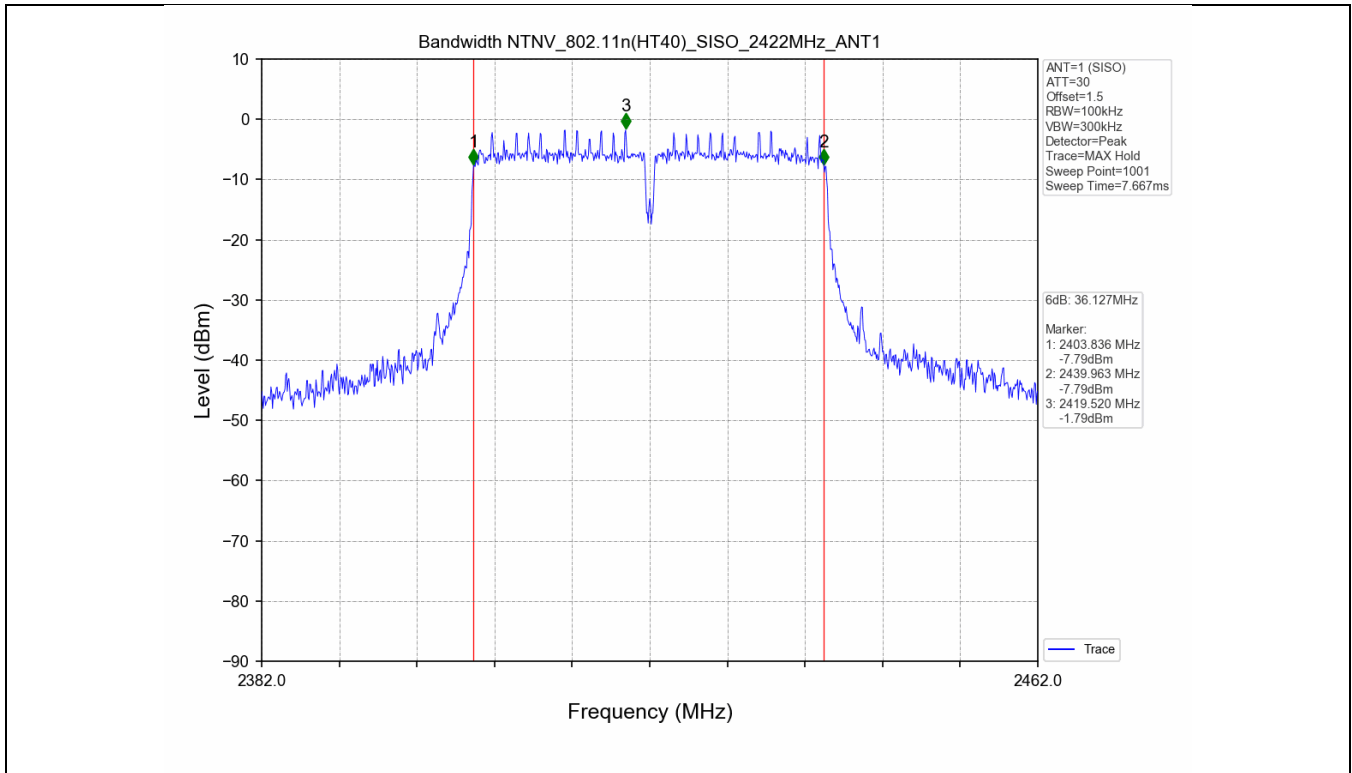


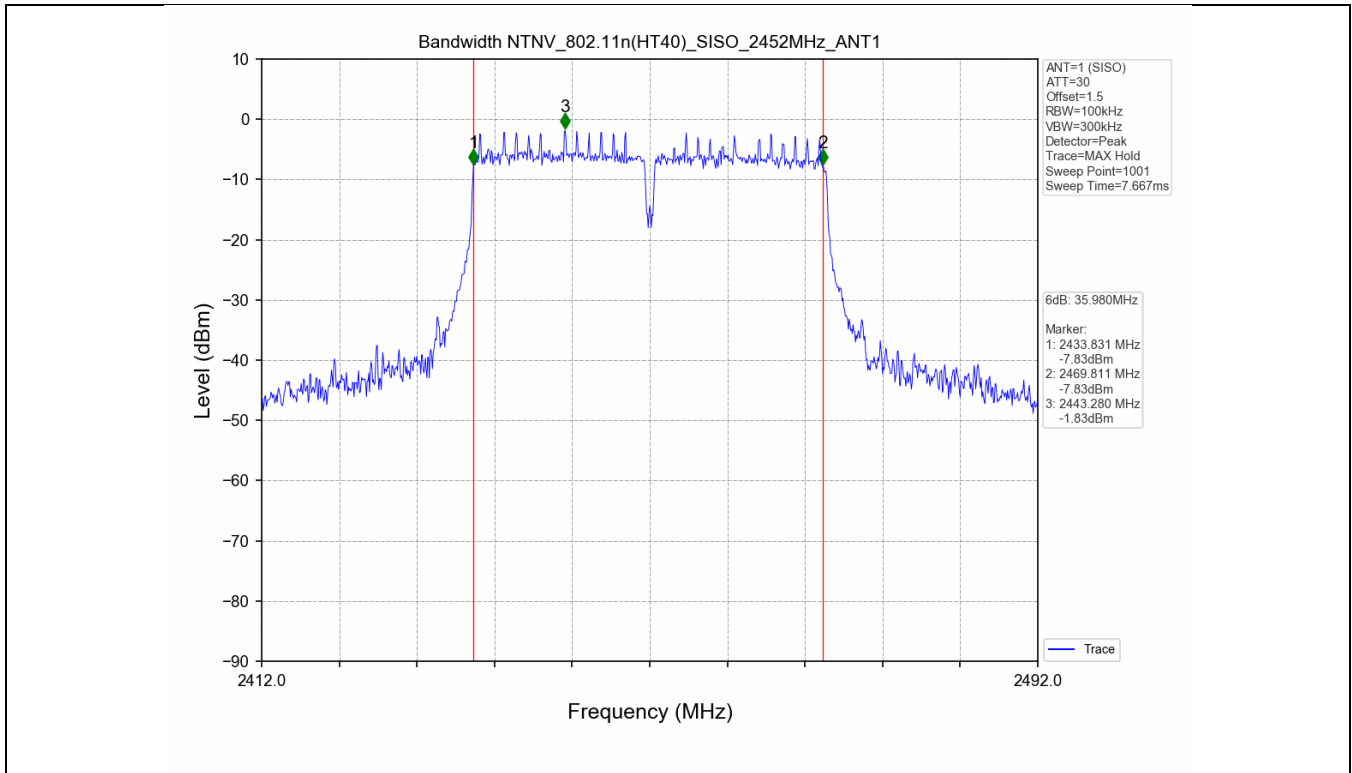




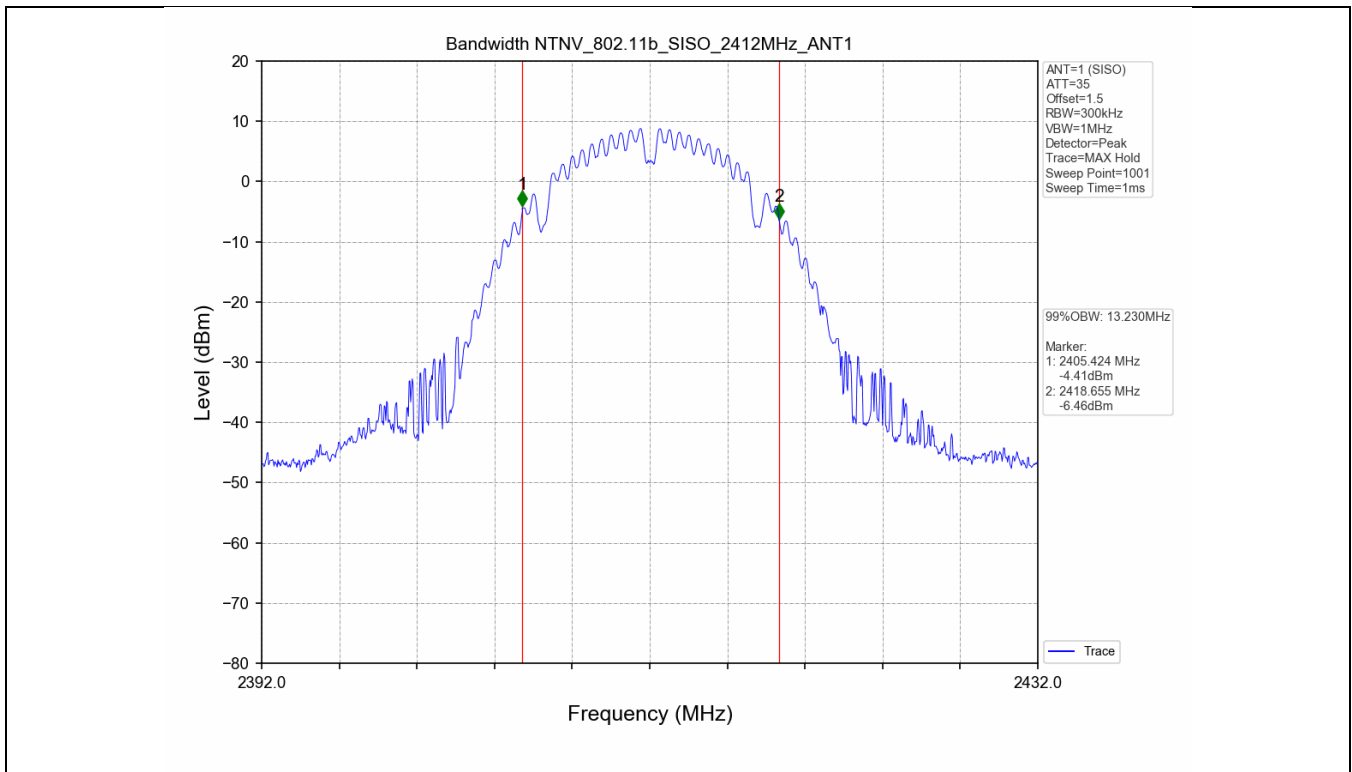


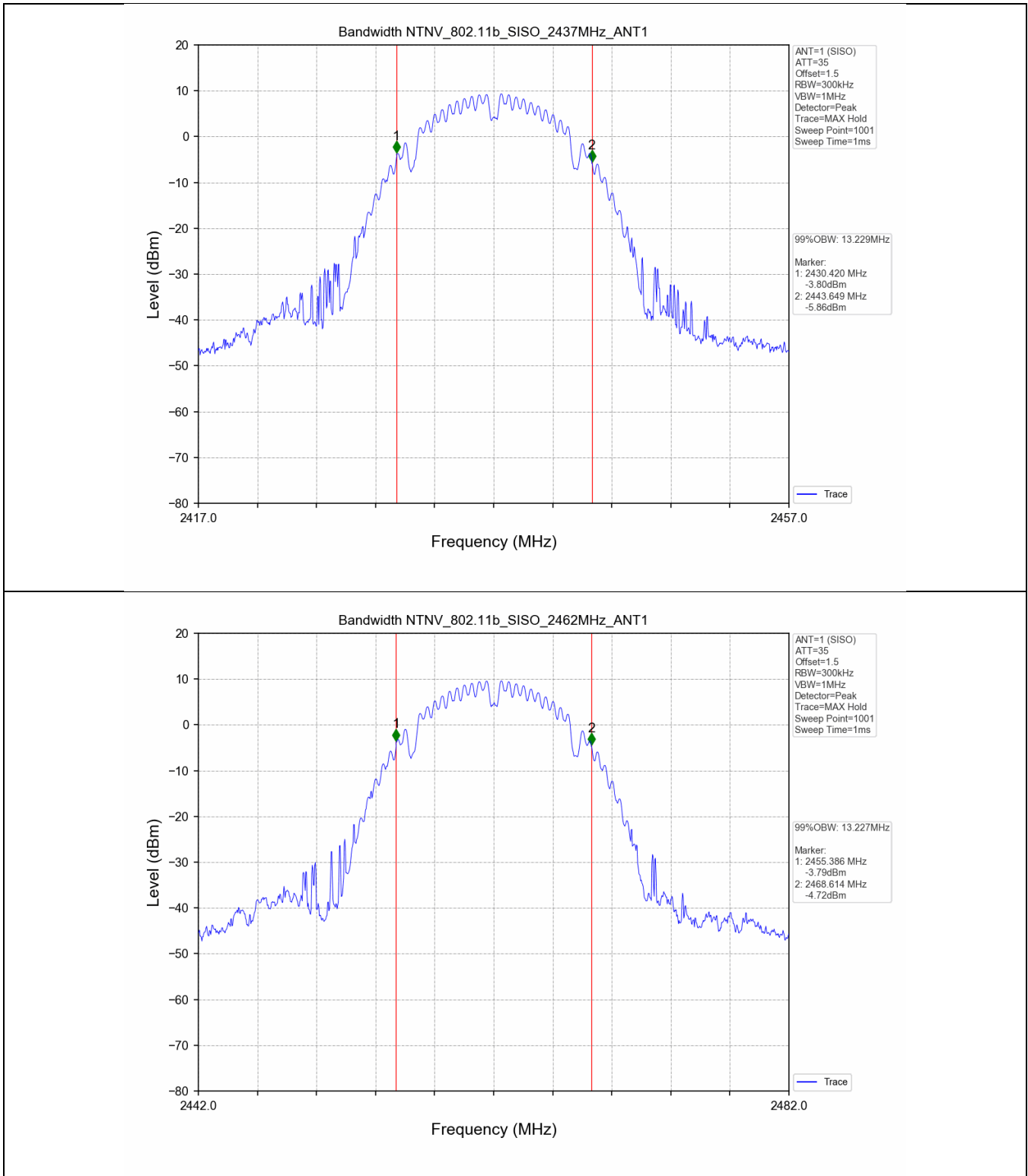


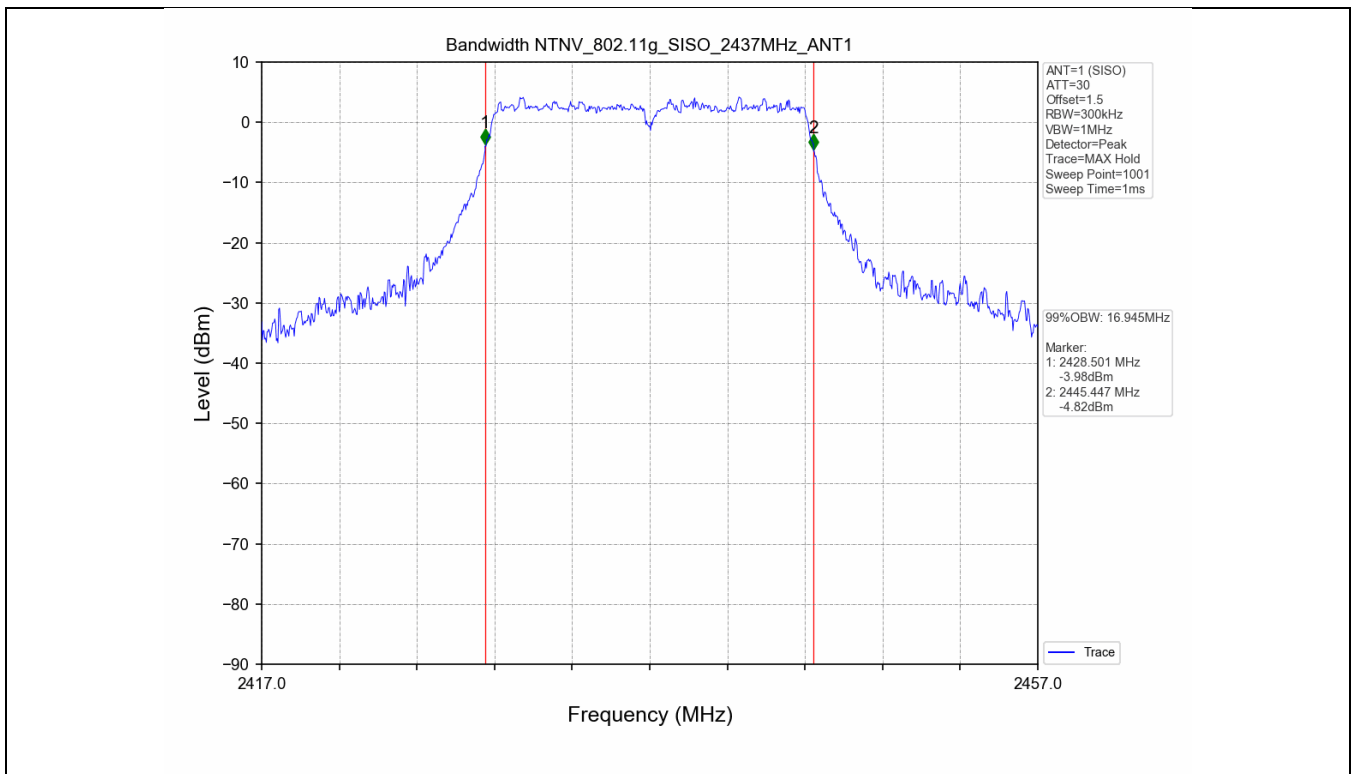
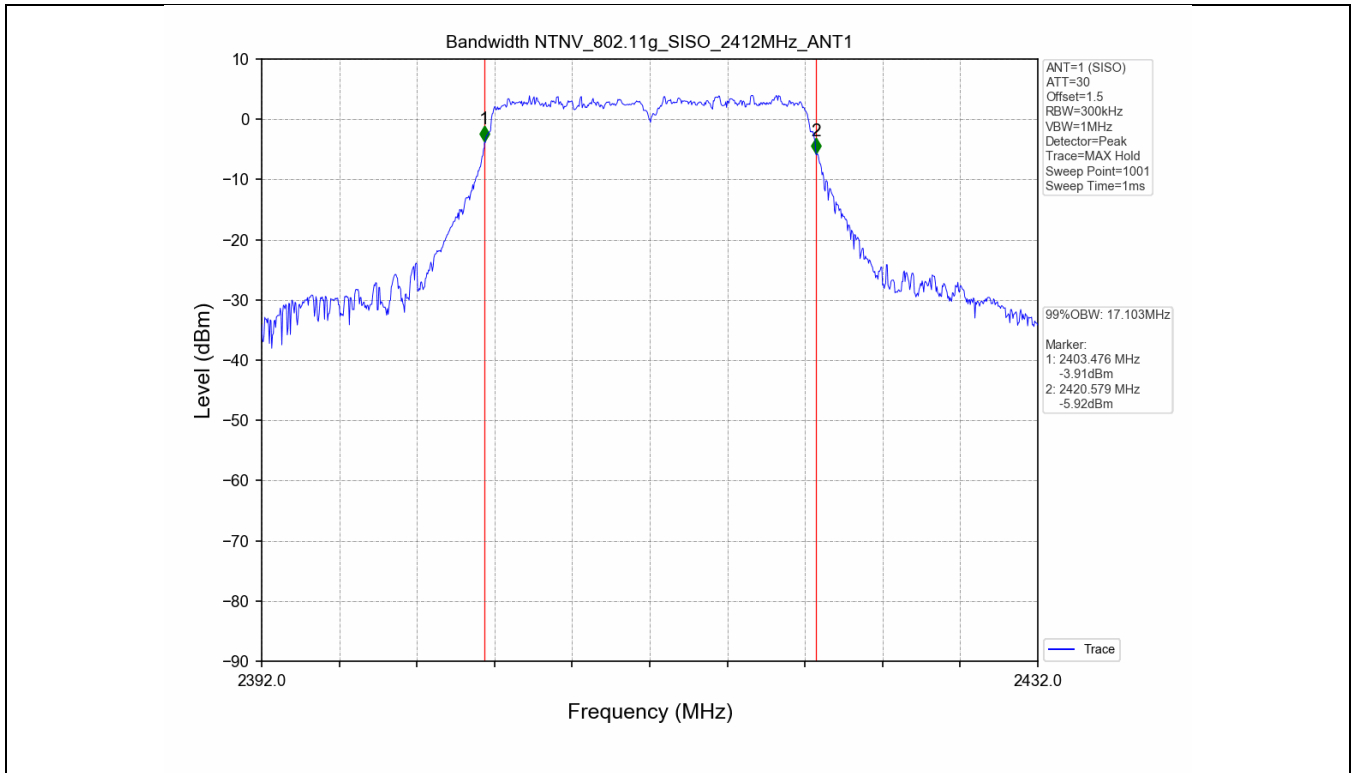


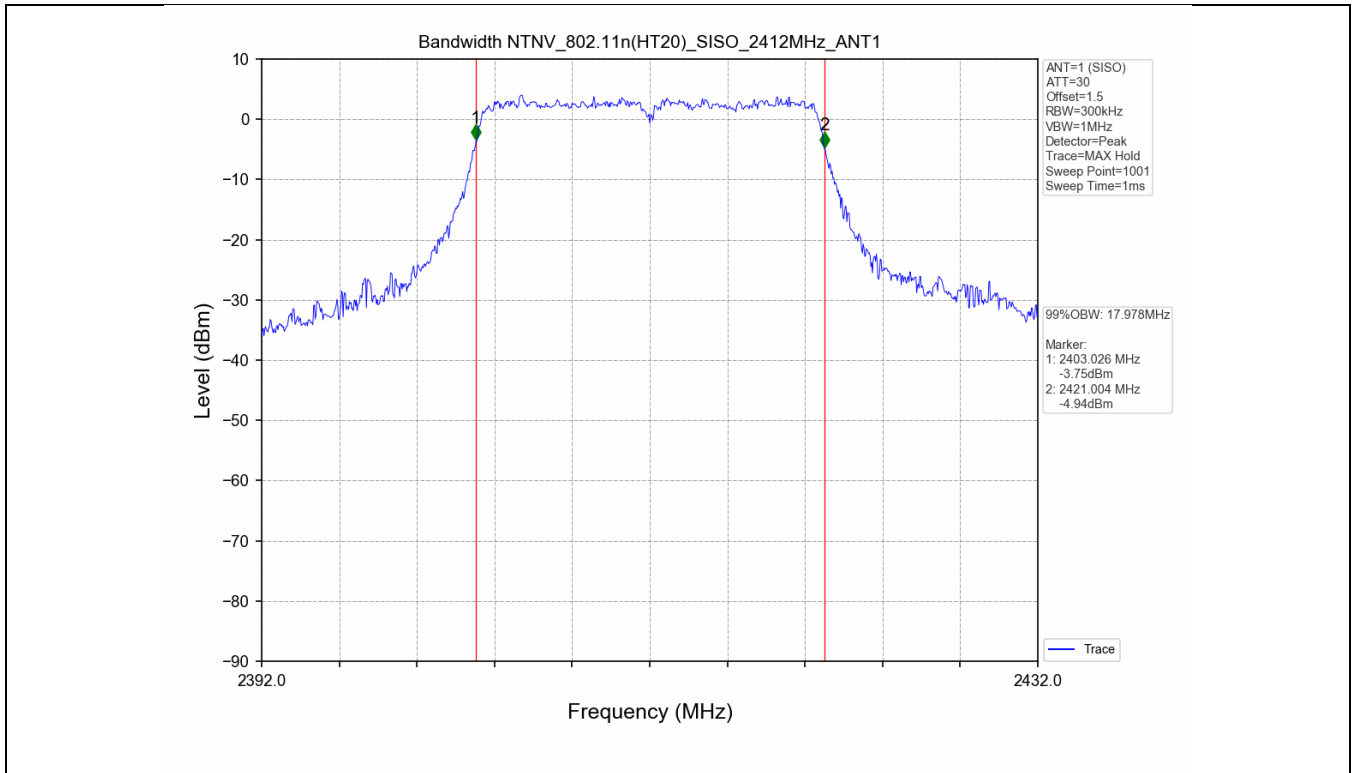
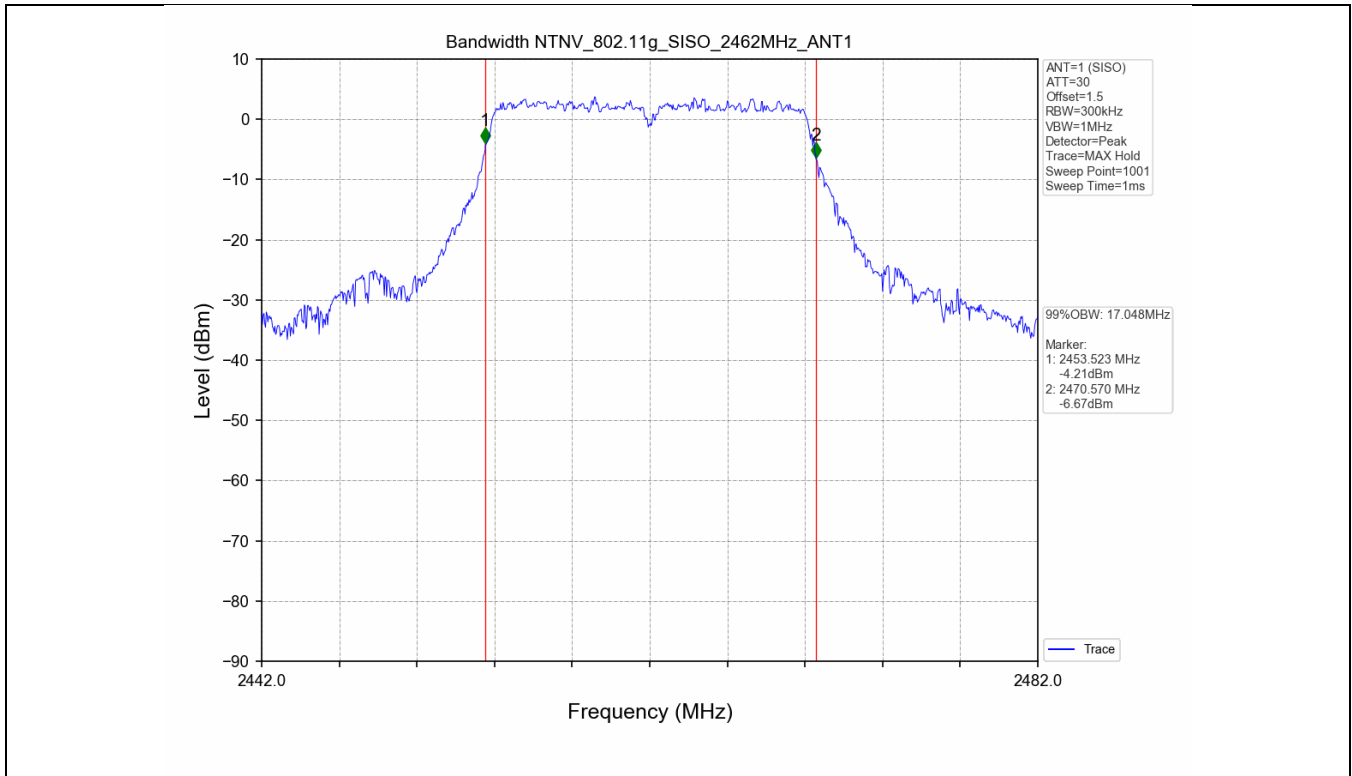


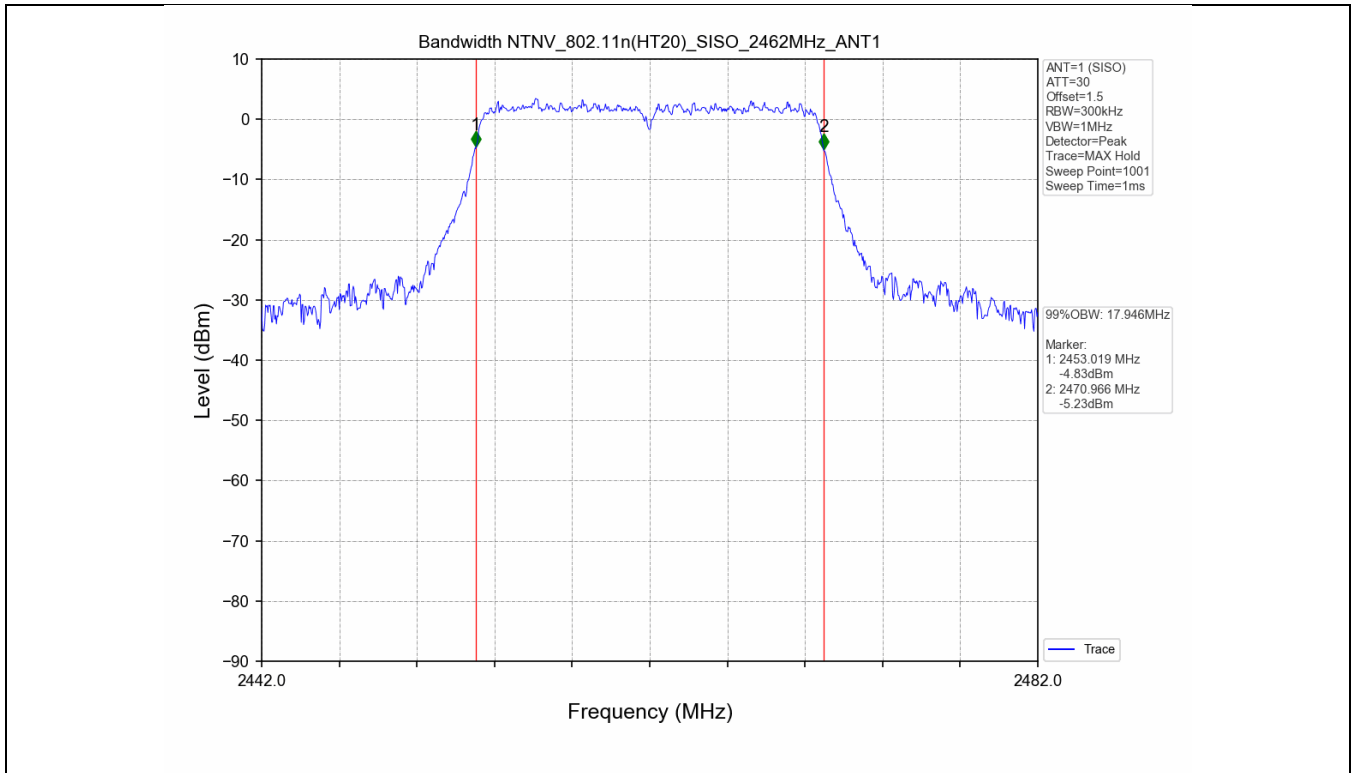
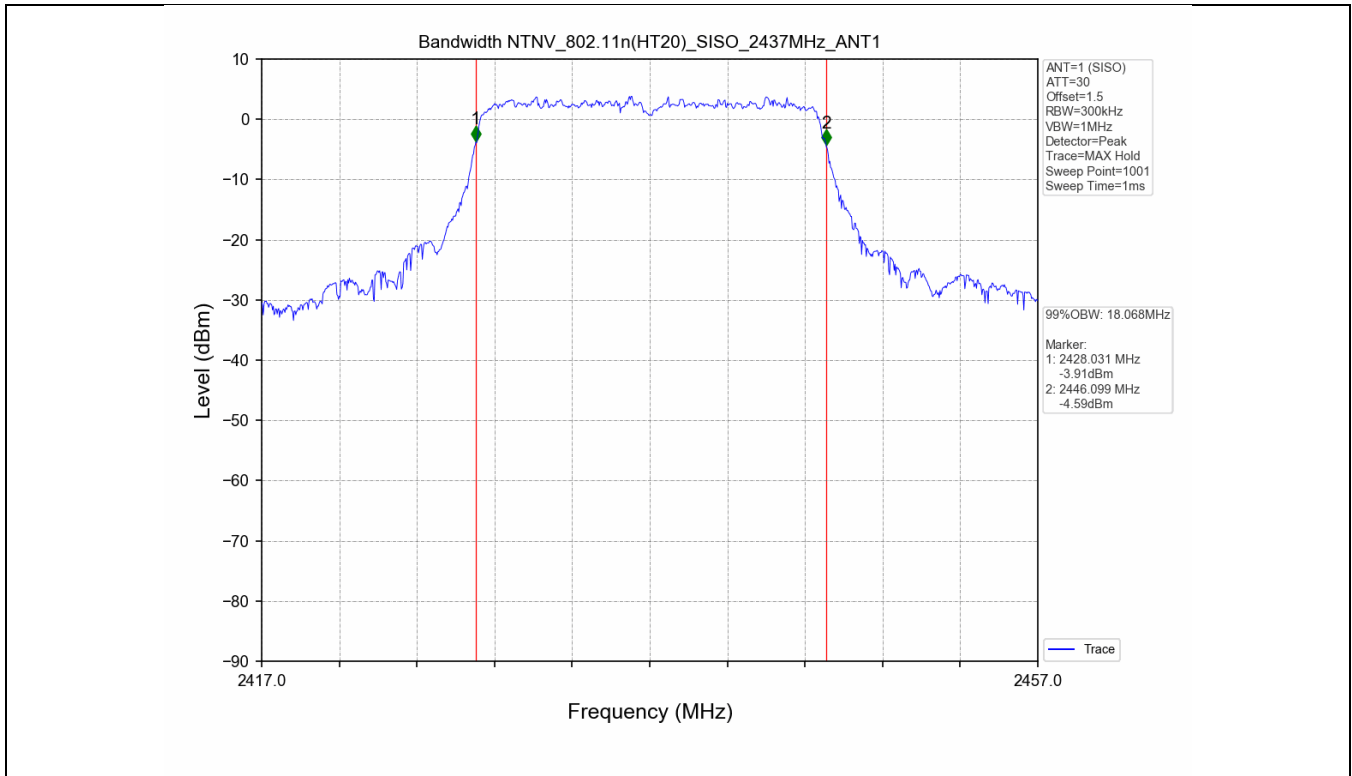
2.3 Test Graph - 99% Occupied Bandwidth

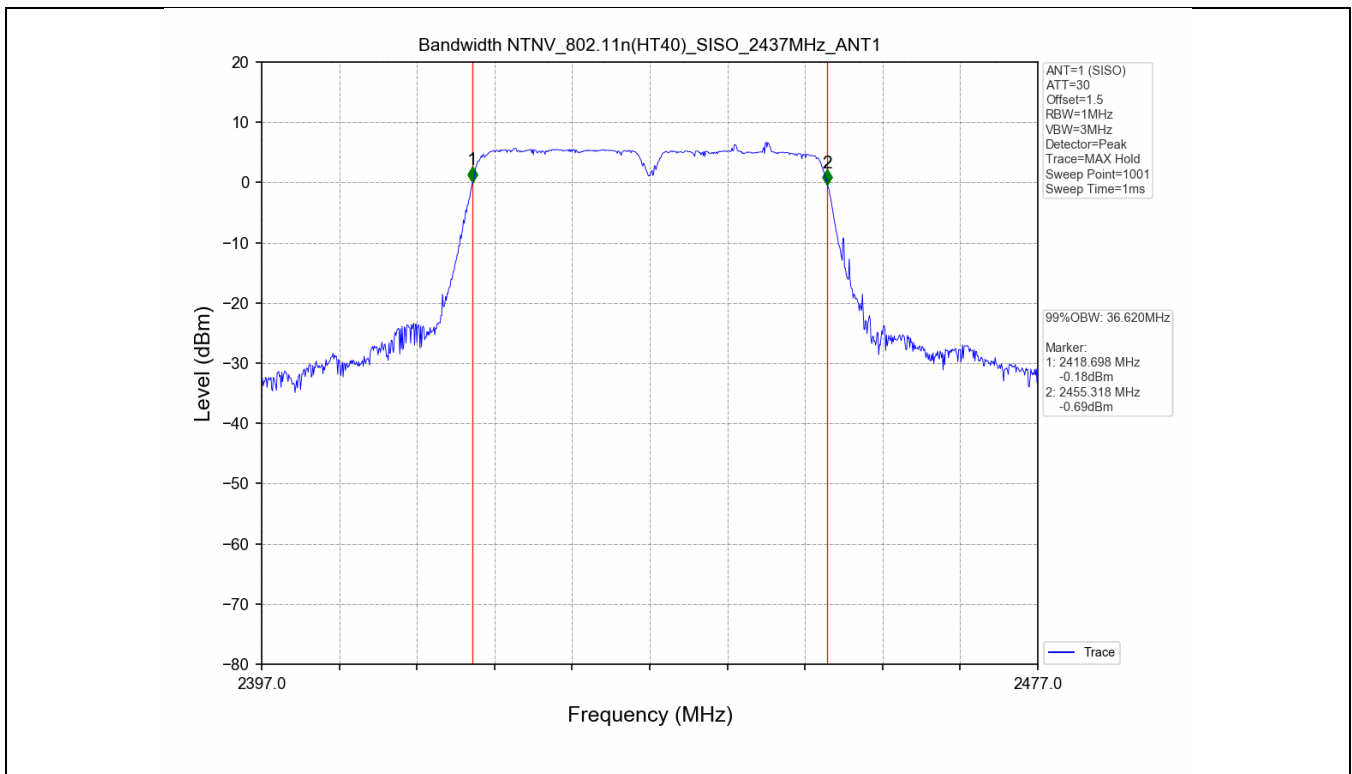
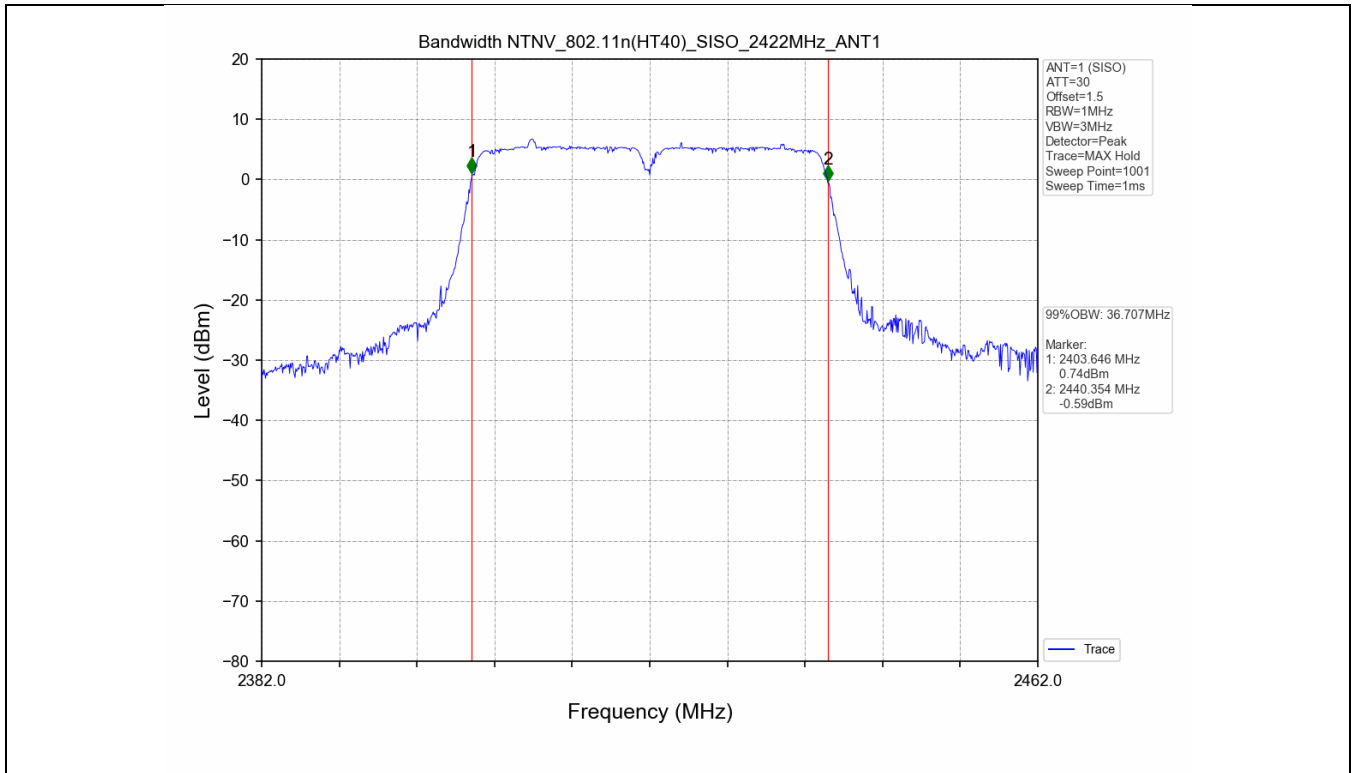


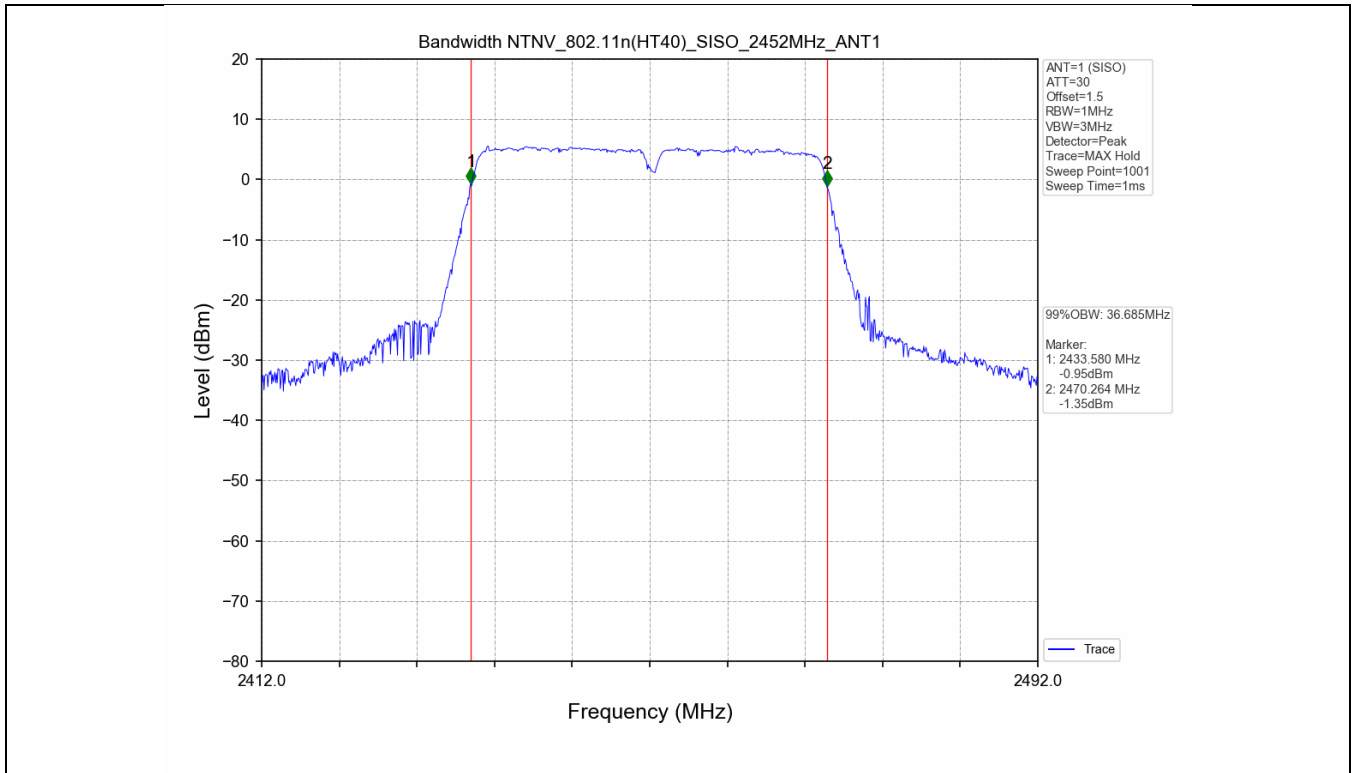










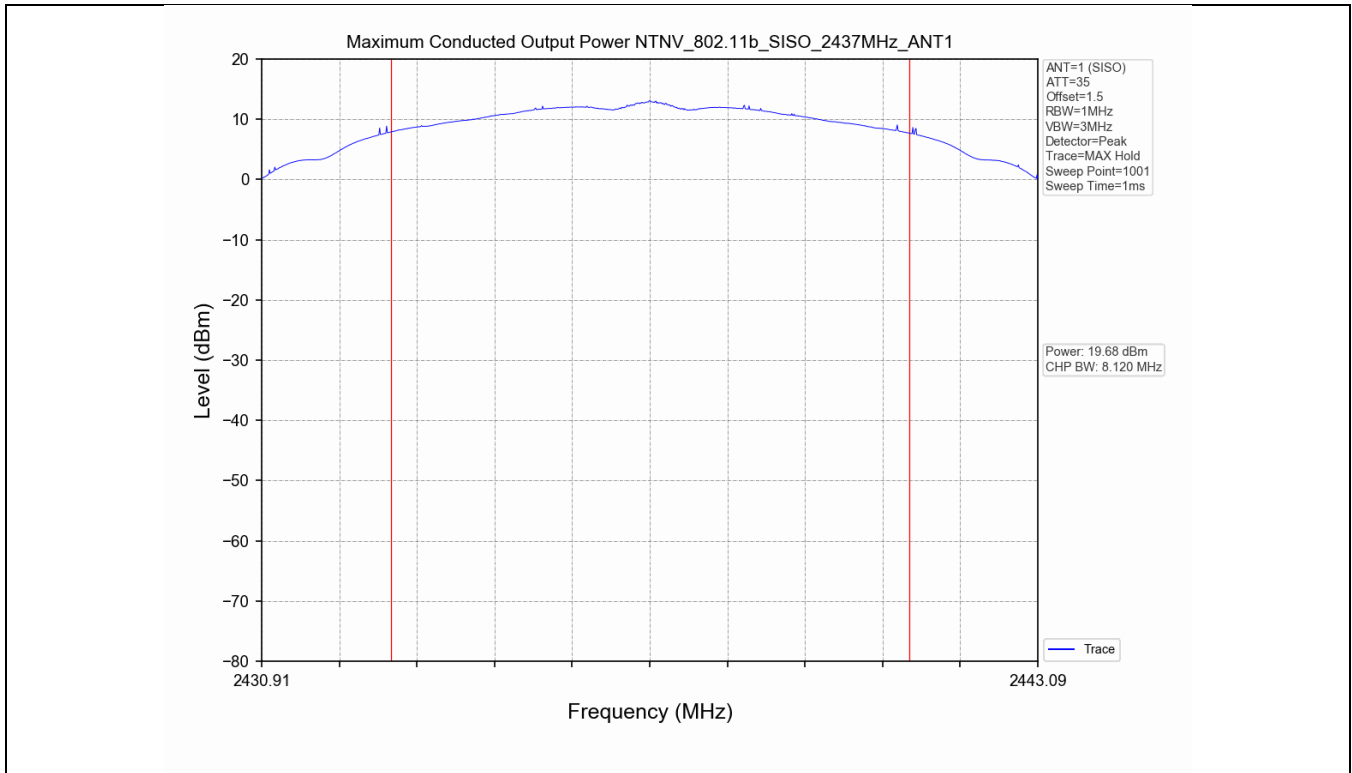
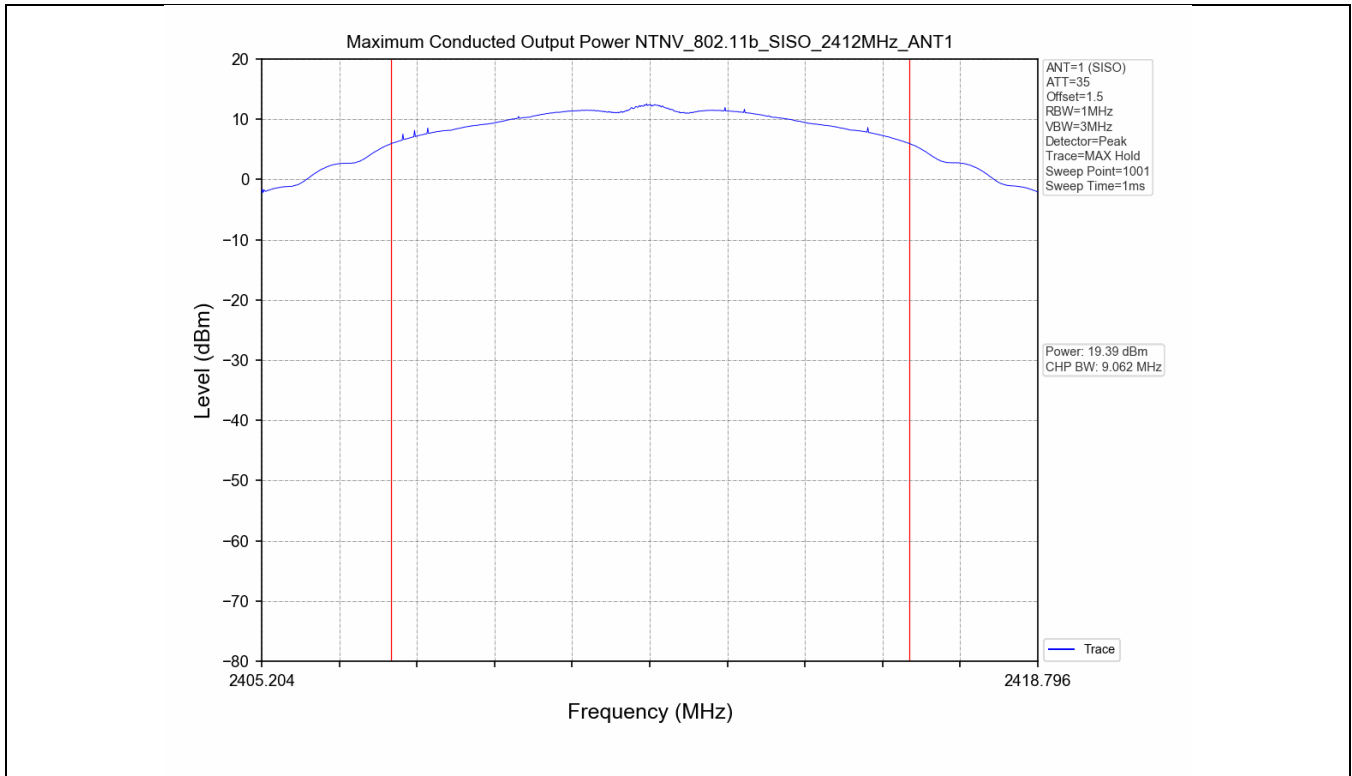


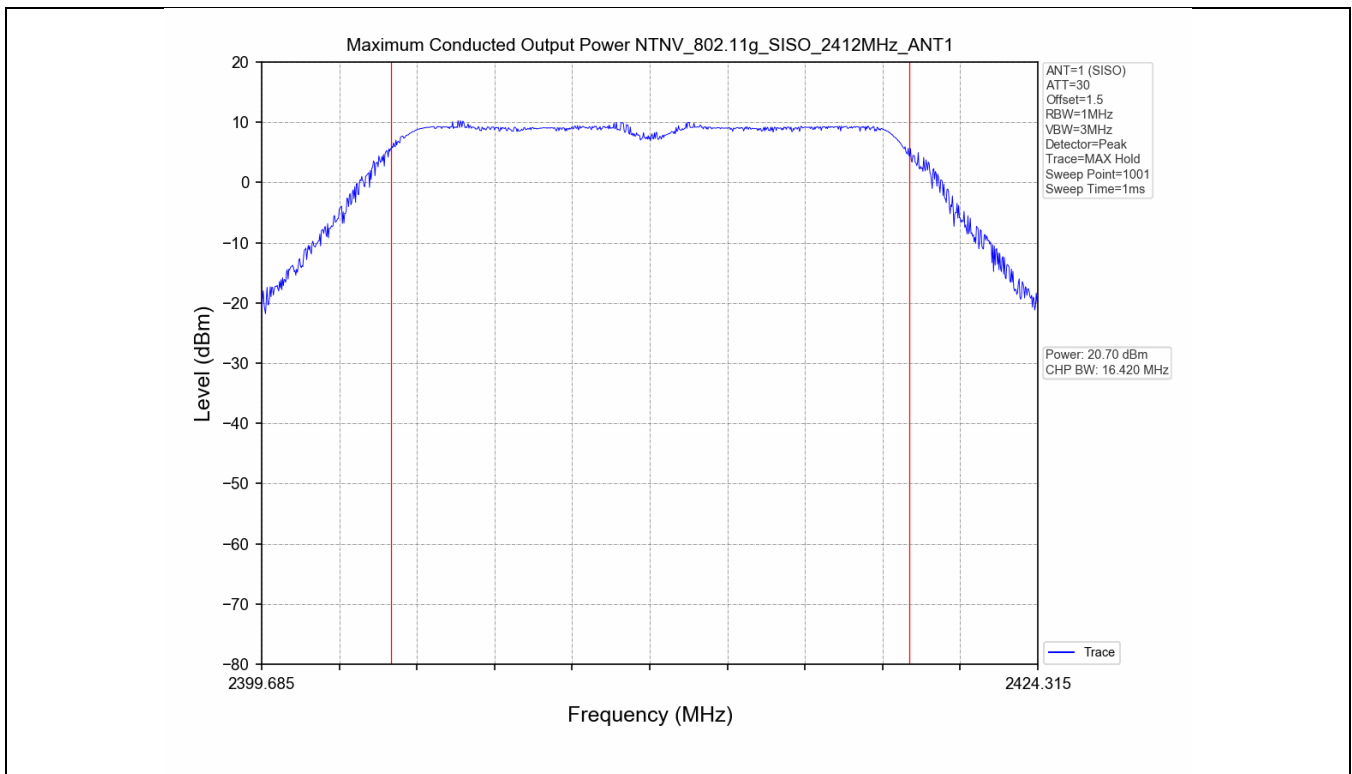
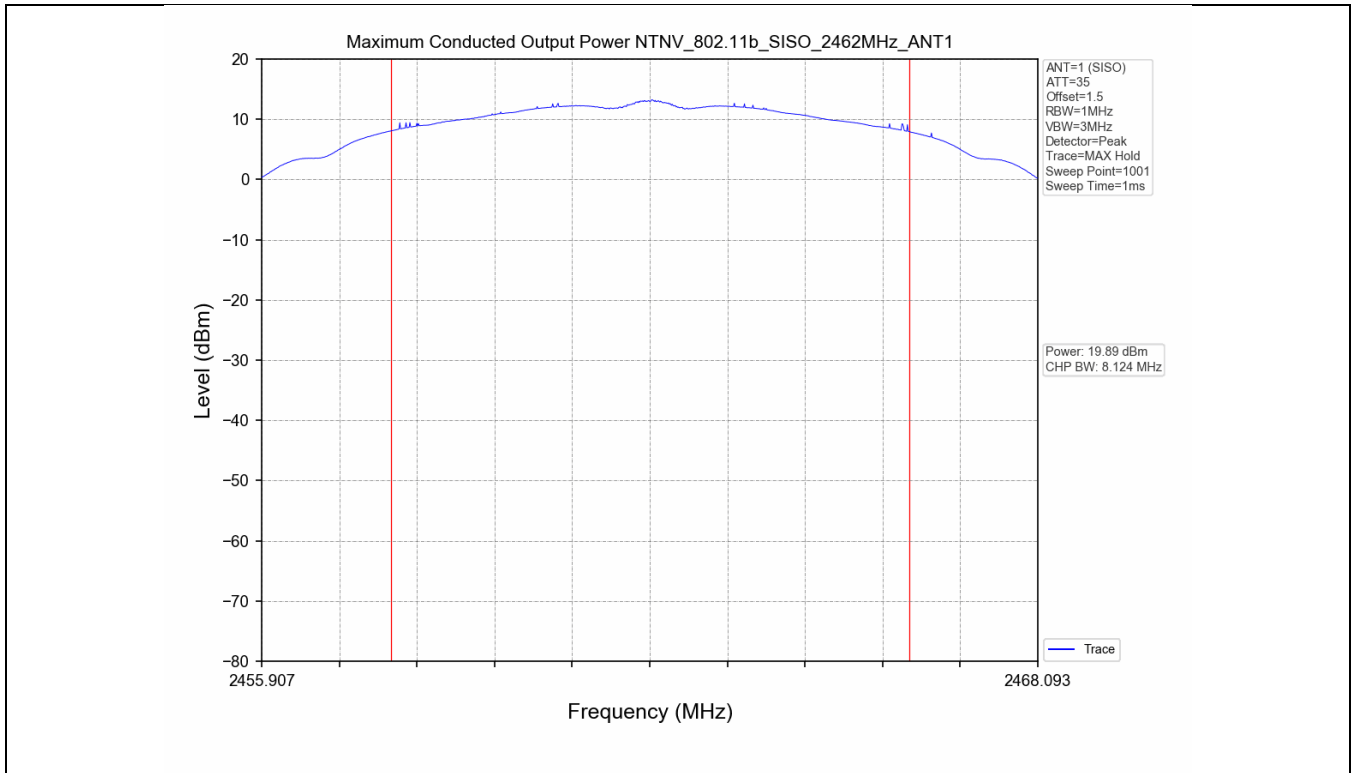
3. Maximum Conducted Output Power

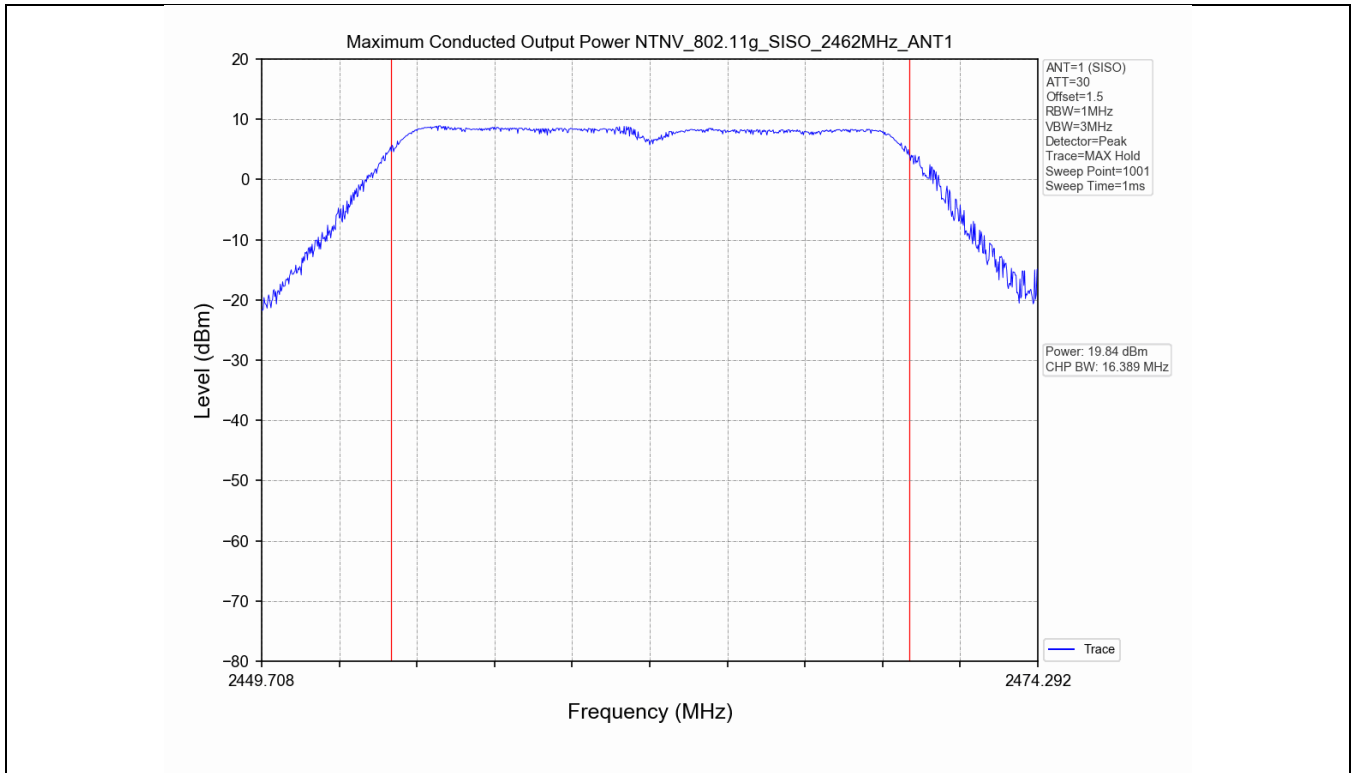
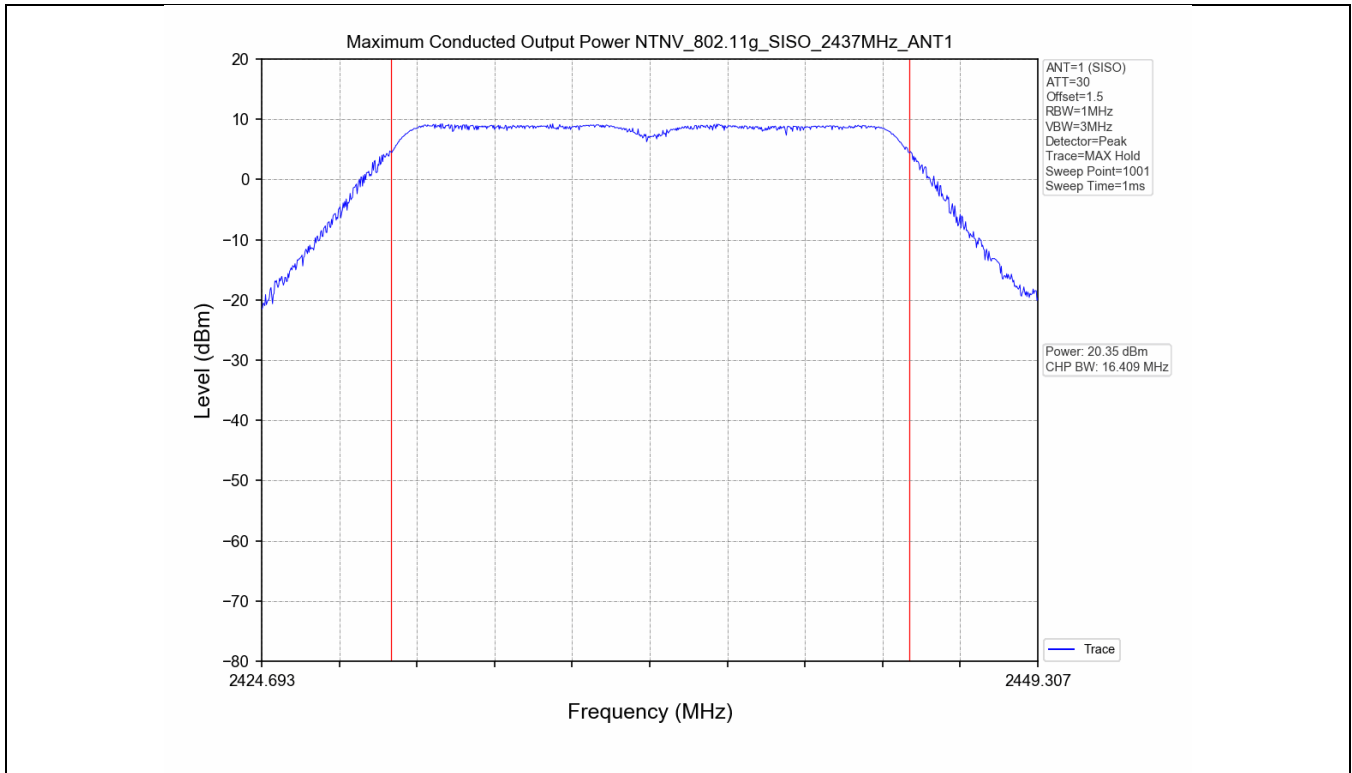
3.1 Test Result

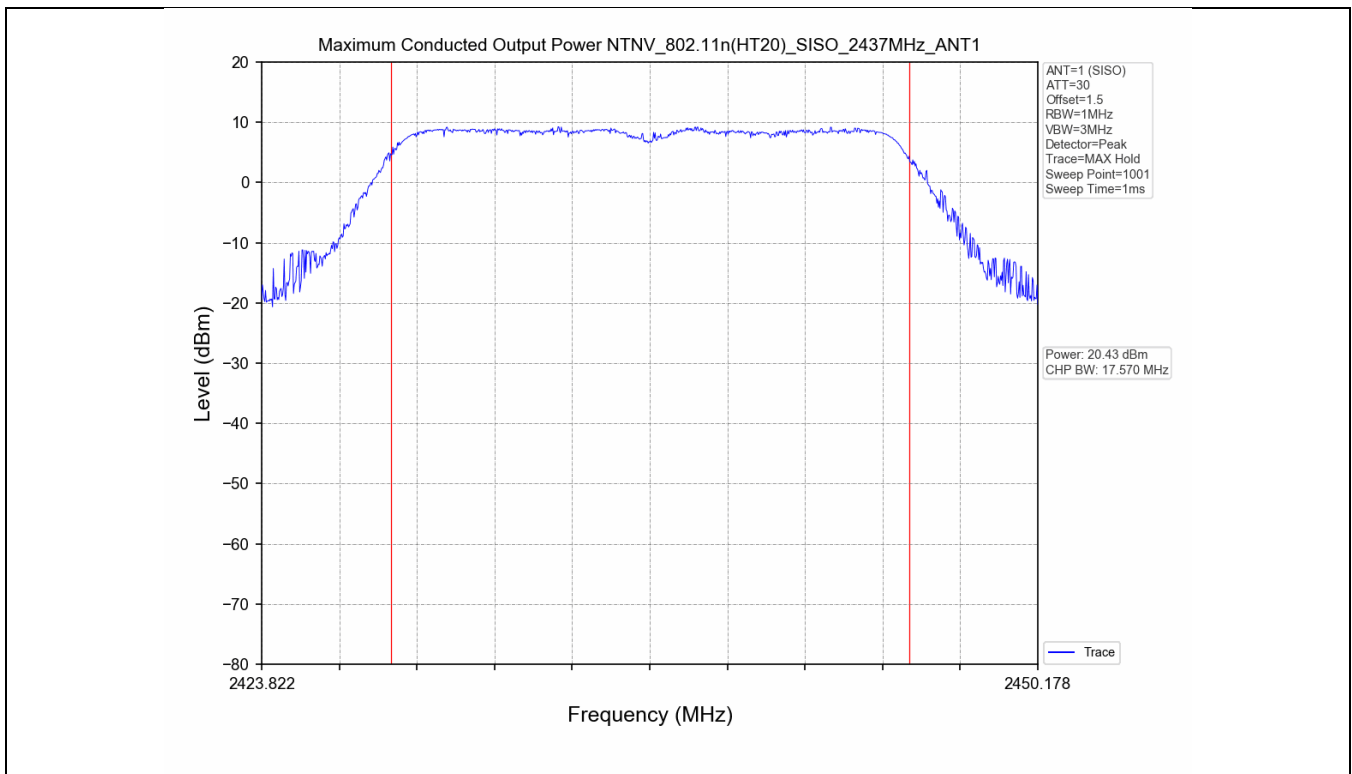
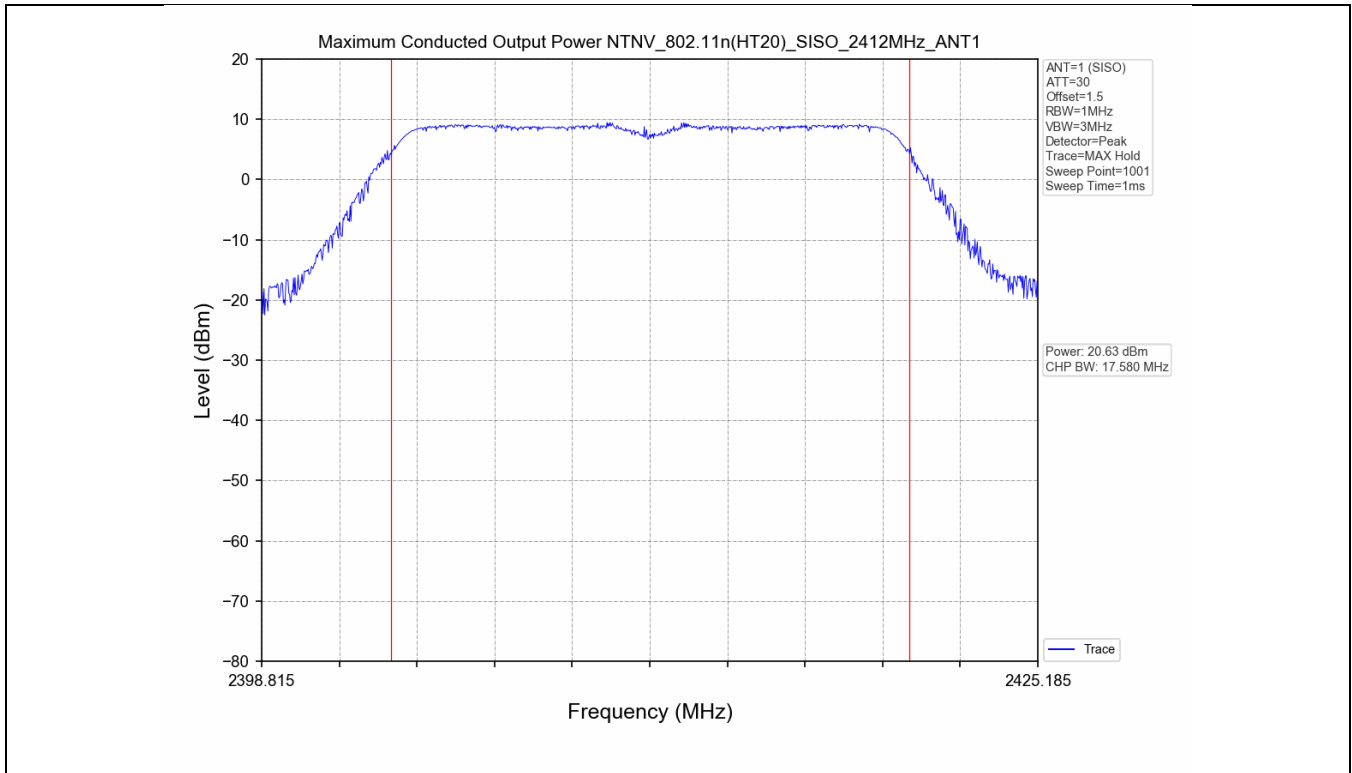
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	19.39	30	PASS
	2437	SISO	19.68	30	PASS
	2462	SISO	19.89	30	PASS
802.11g	2412	SISO	20.70	30	PASS
	2437	SISO	20.35	30	PASS
	2462	SISO	19.84	30	PASS
802.11n(HT20)	2412	SISO	20.63	30	PASS
	2437	SISO	20.43	30	PASS
	2462	SISO	19.95	30	PASS
802.11n(HT40)	2422	SISO	20.18	30	PASS
	2437	SISO	20.17	30	PASS
	2452	SISO	19.87	30	PASS

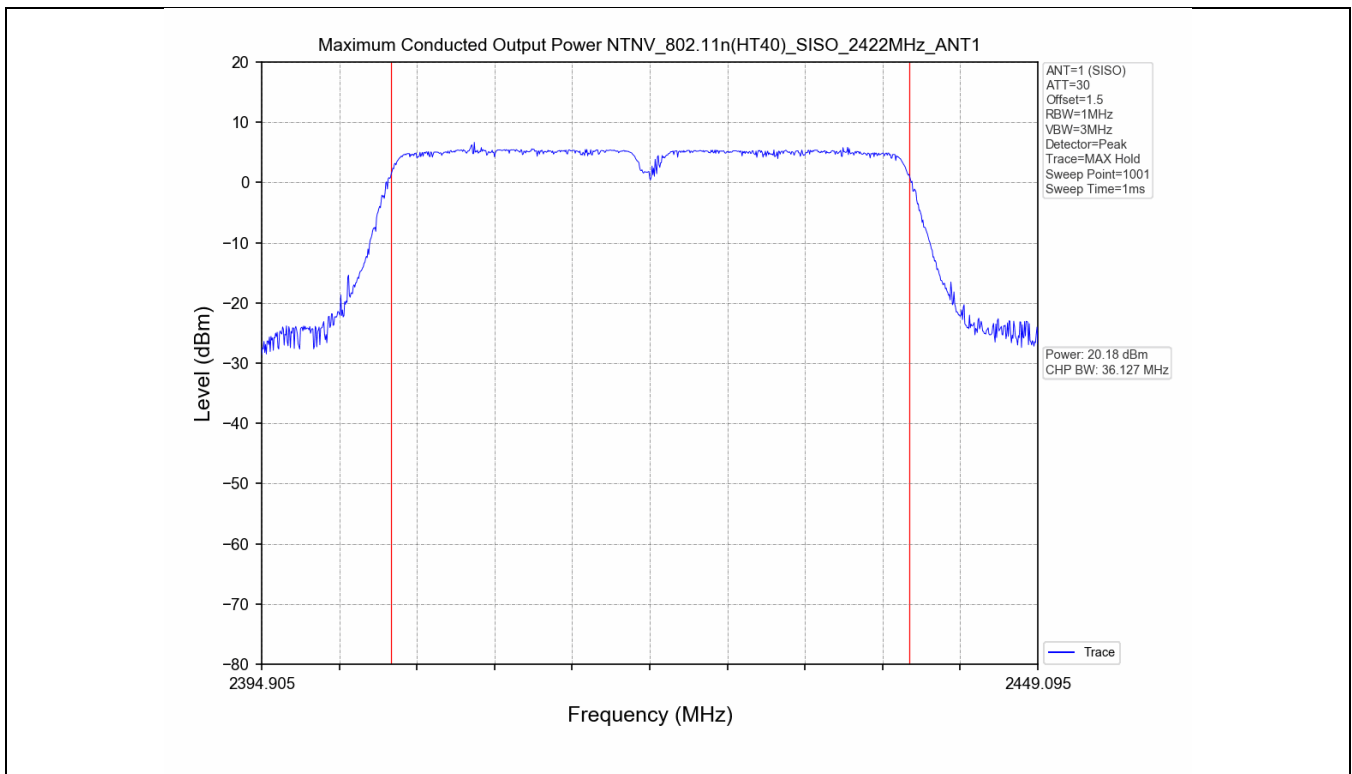
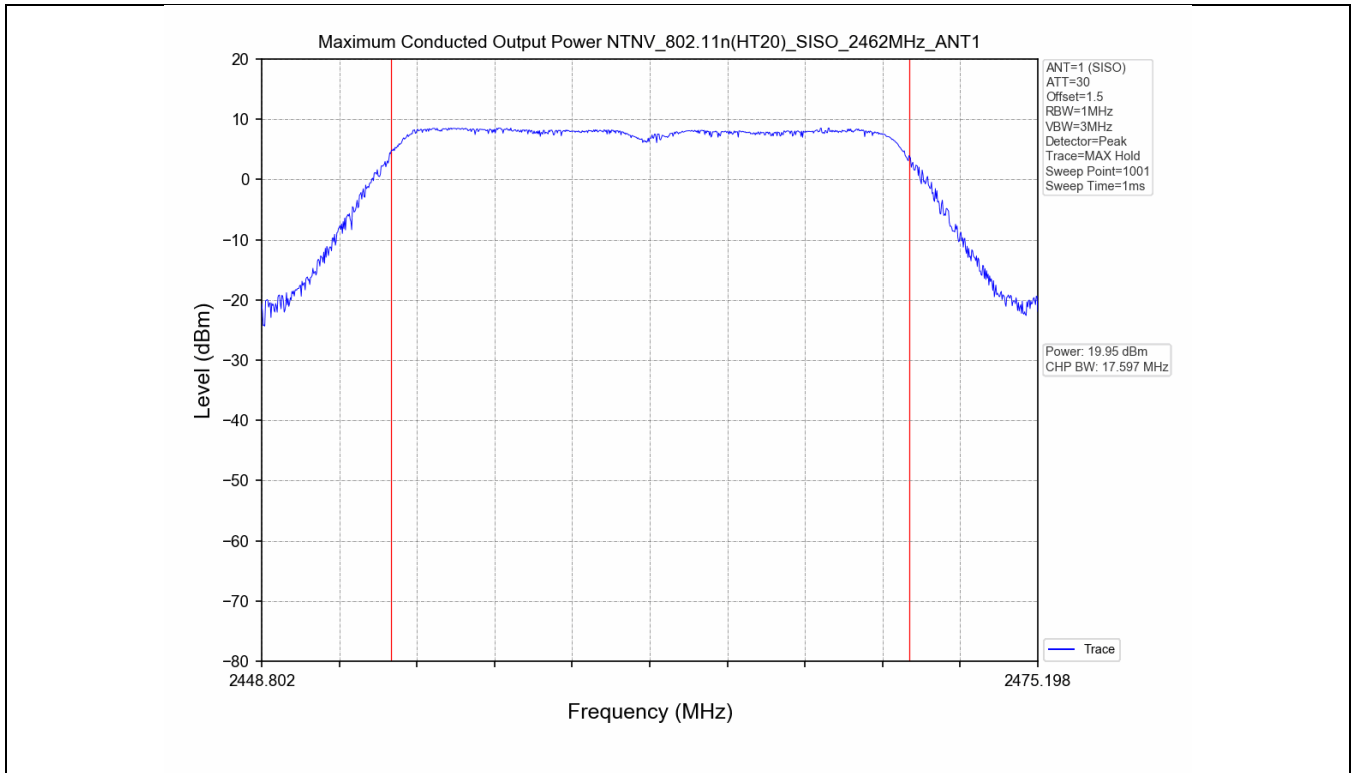
3.2 Test Graph

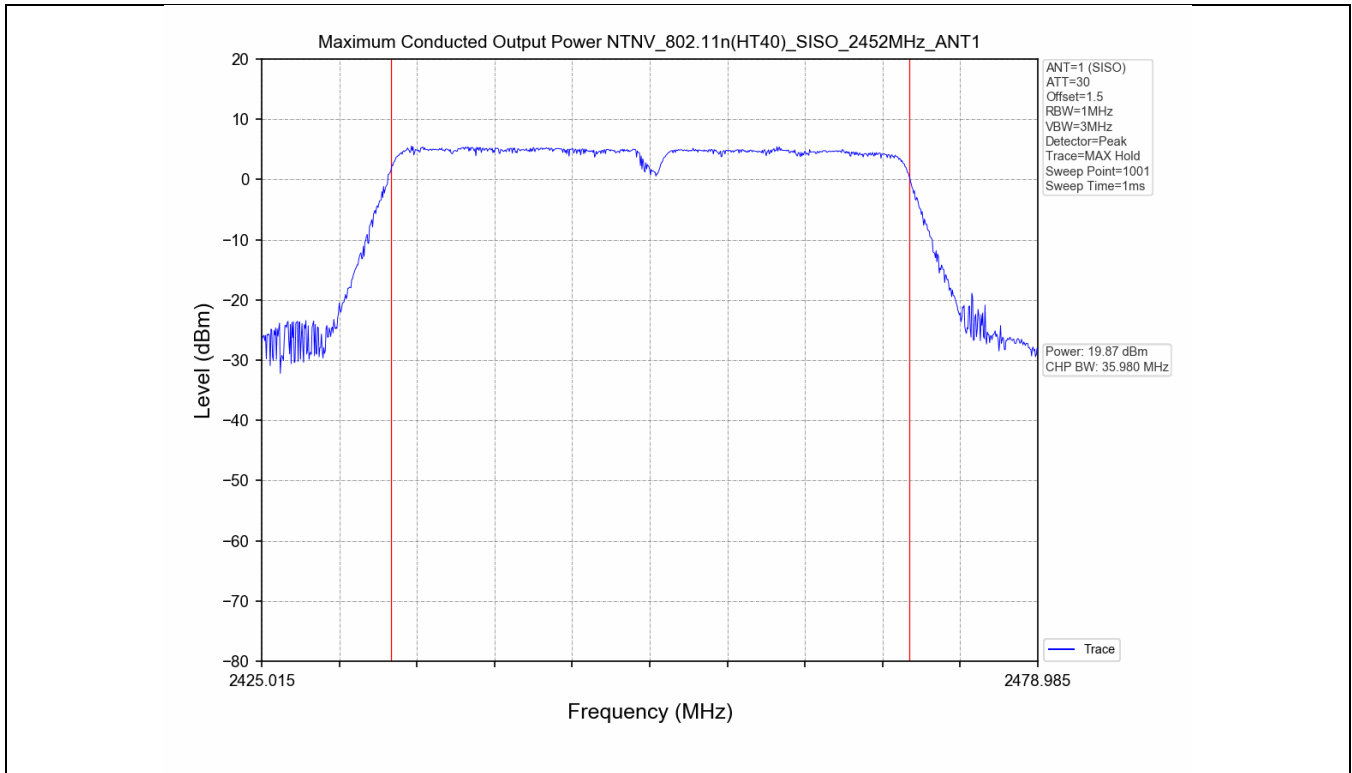
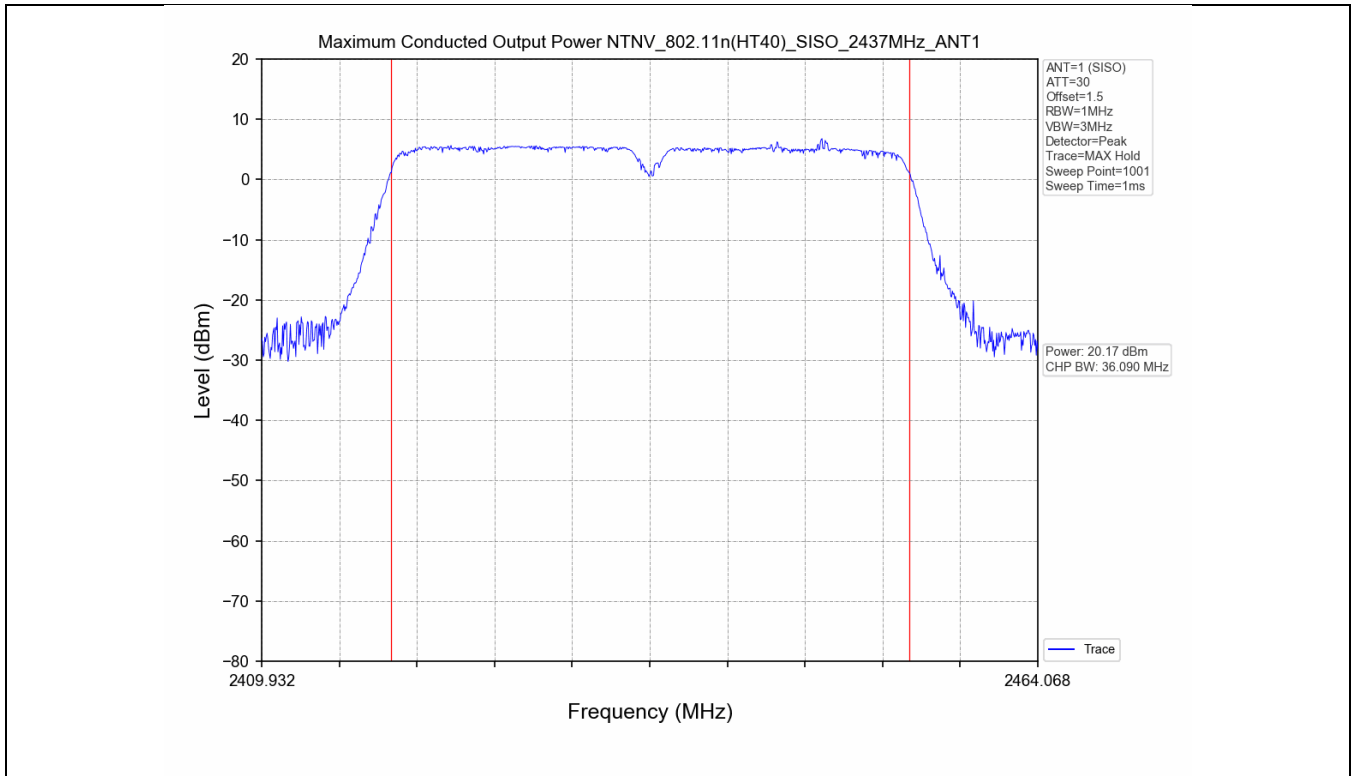










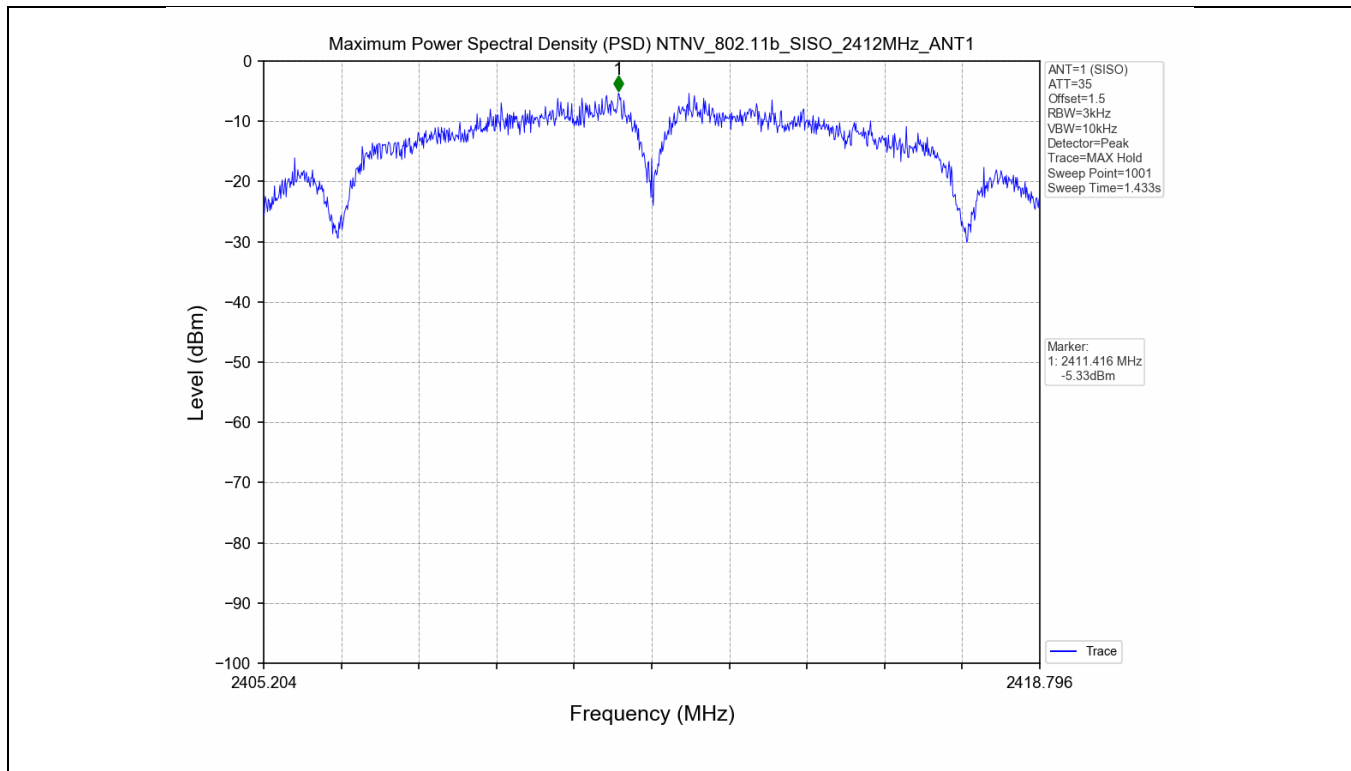


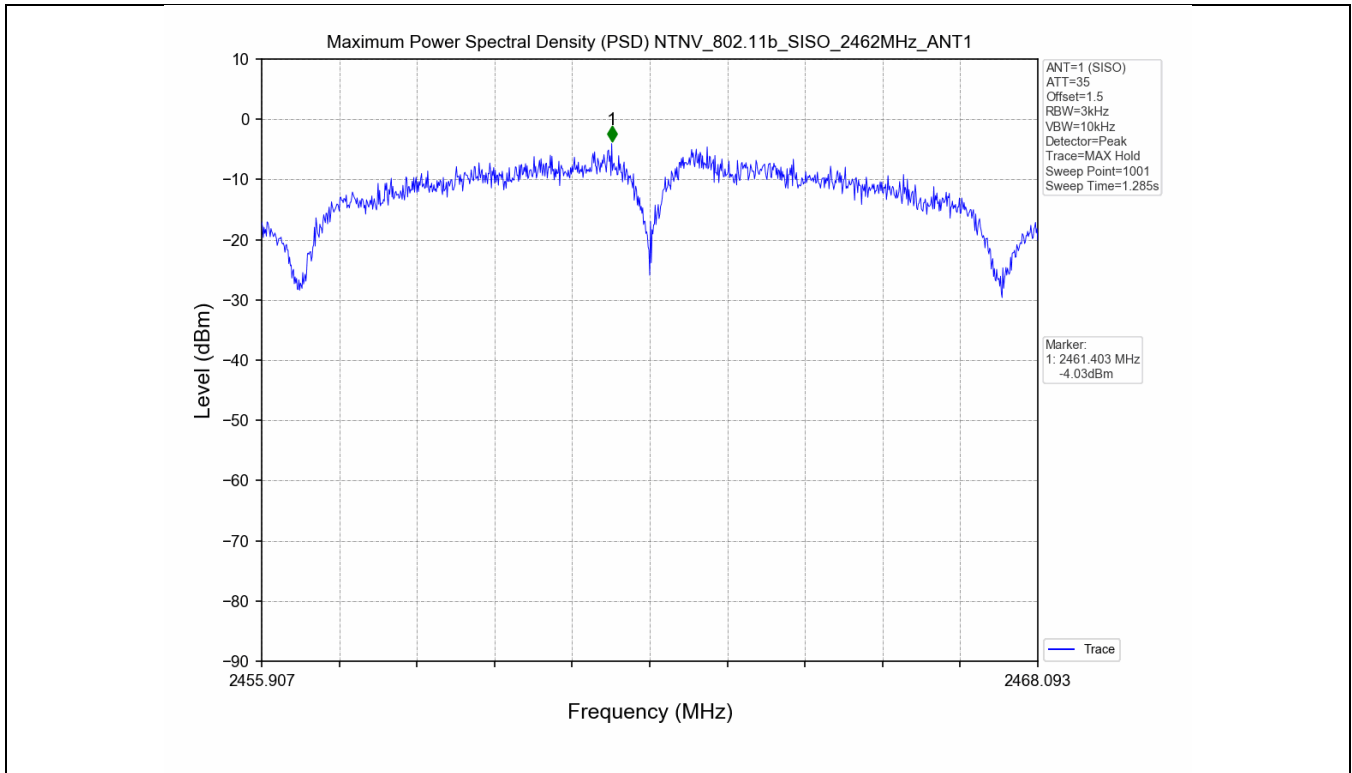
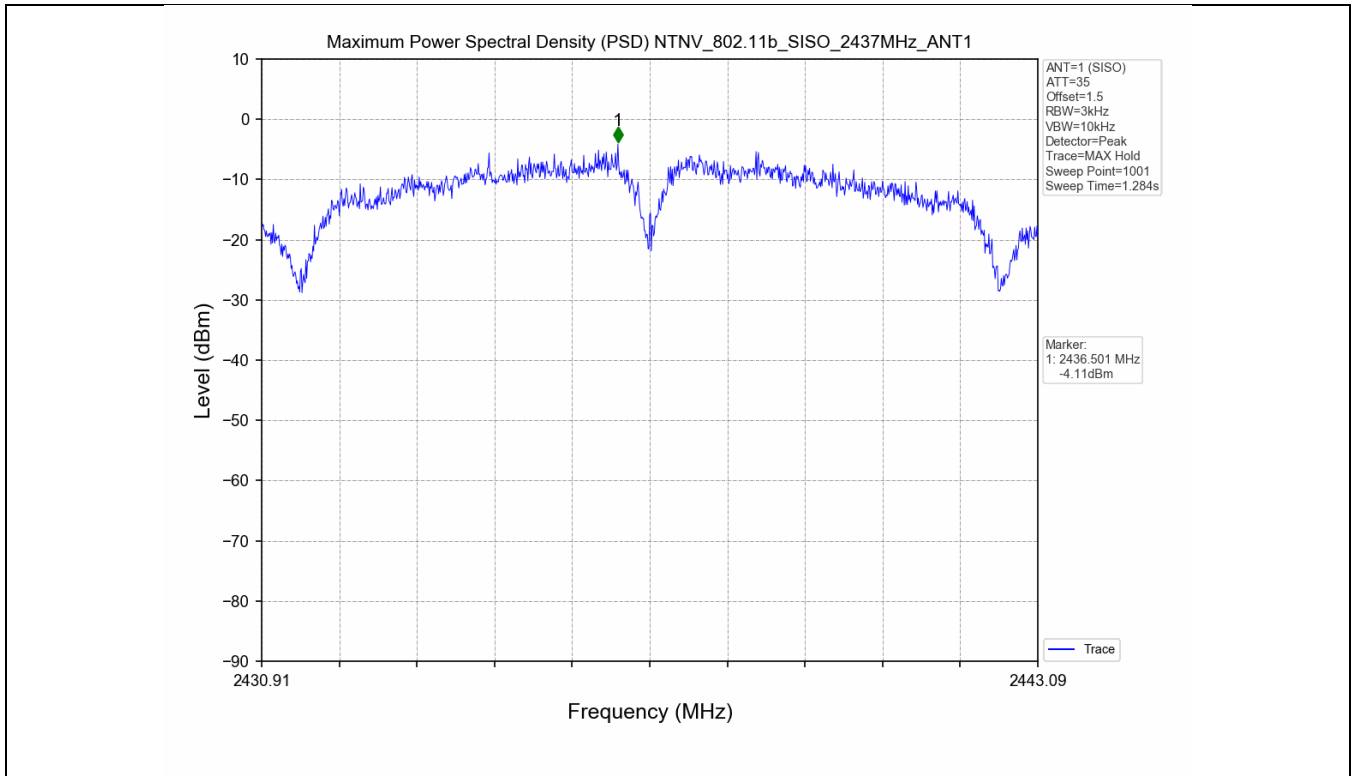
4. Maximum Power Spectral Density (PSD)

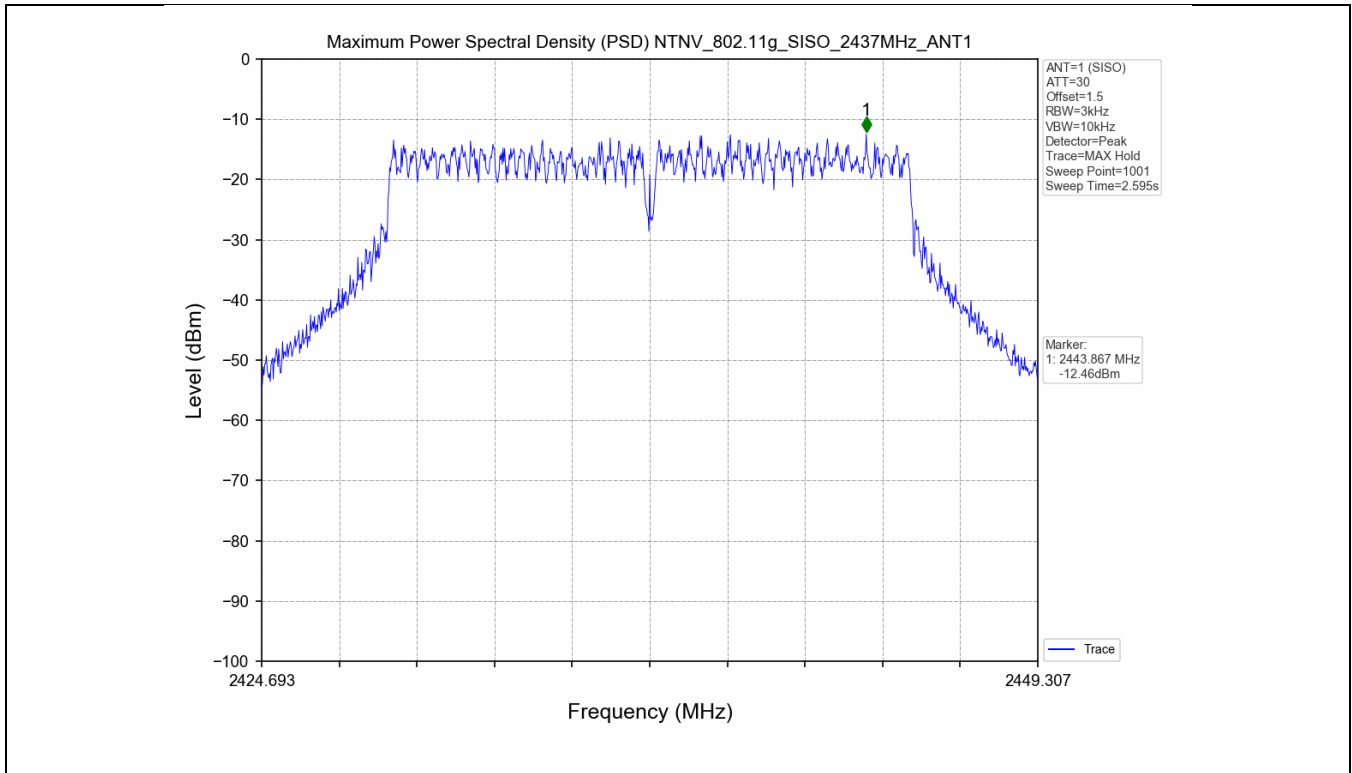
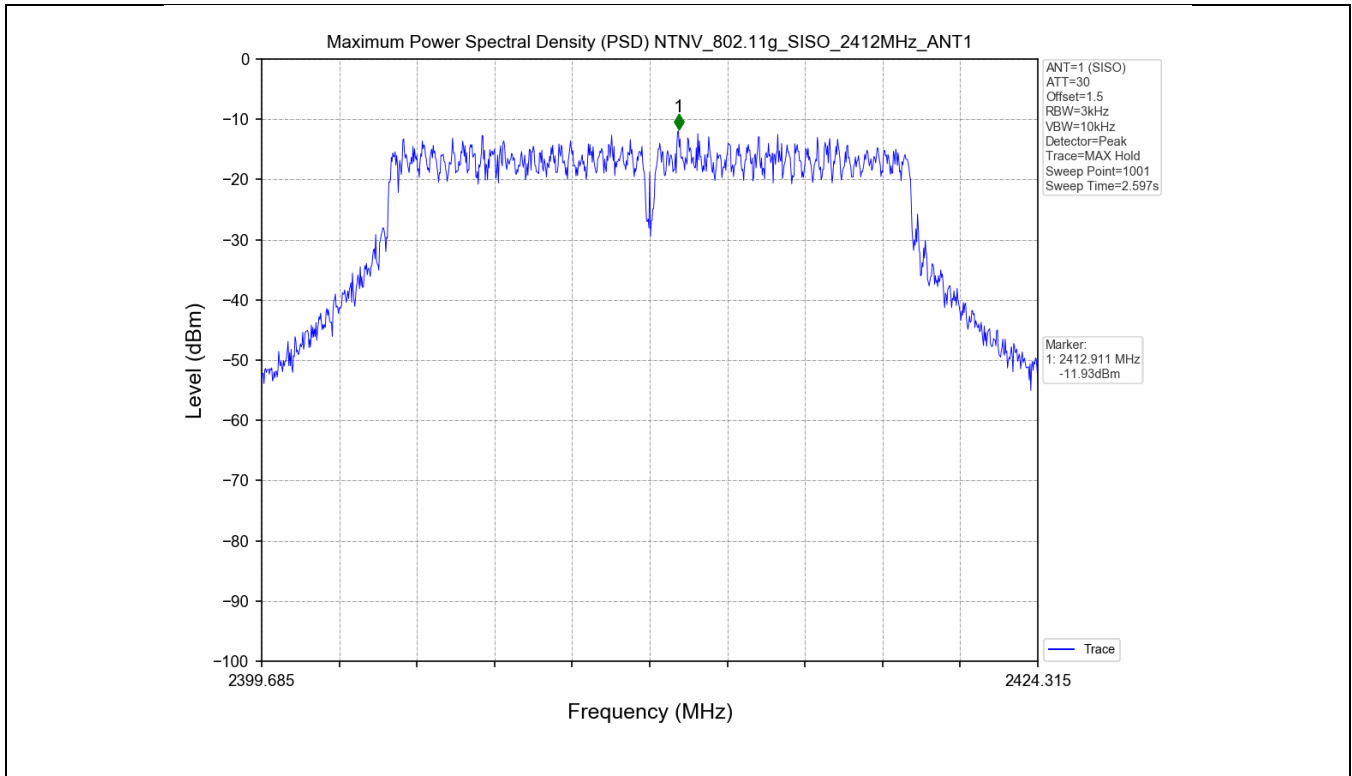
4.1 Test Result

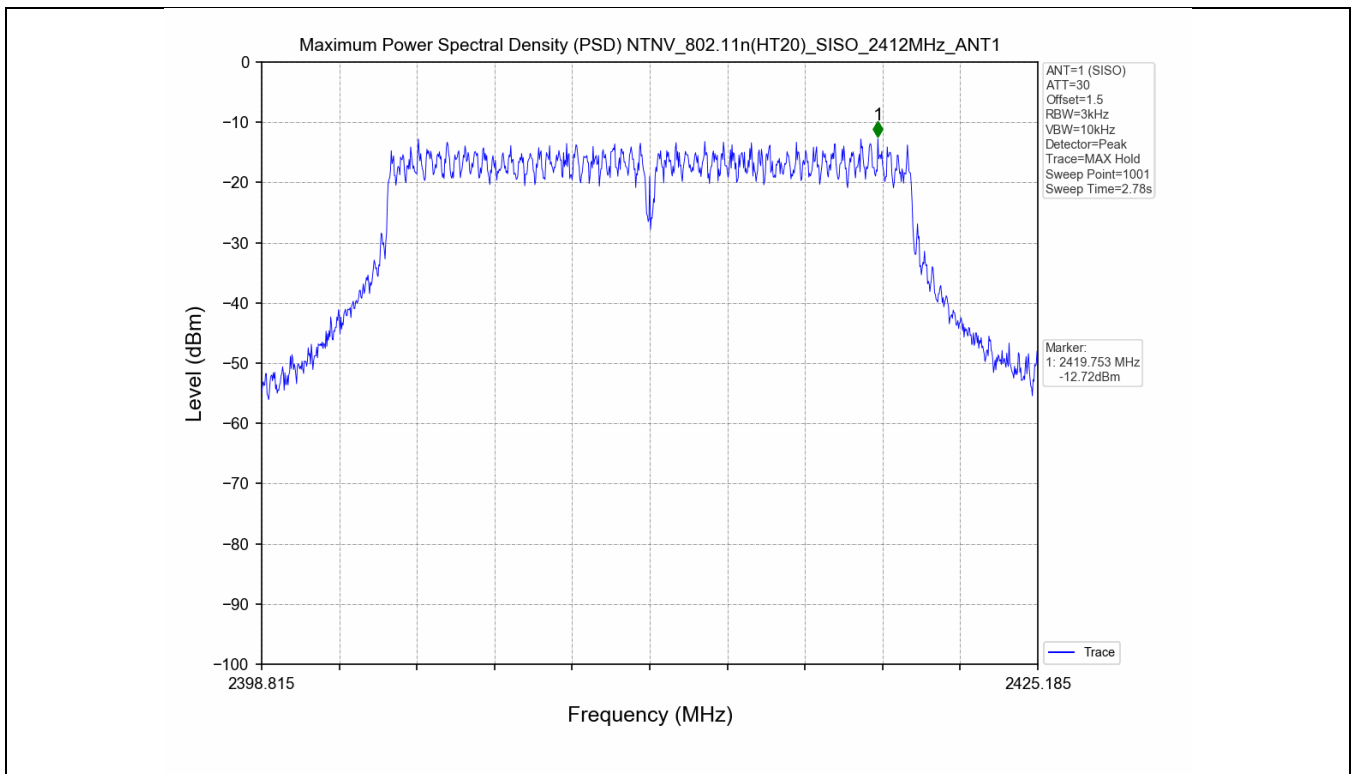
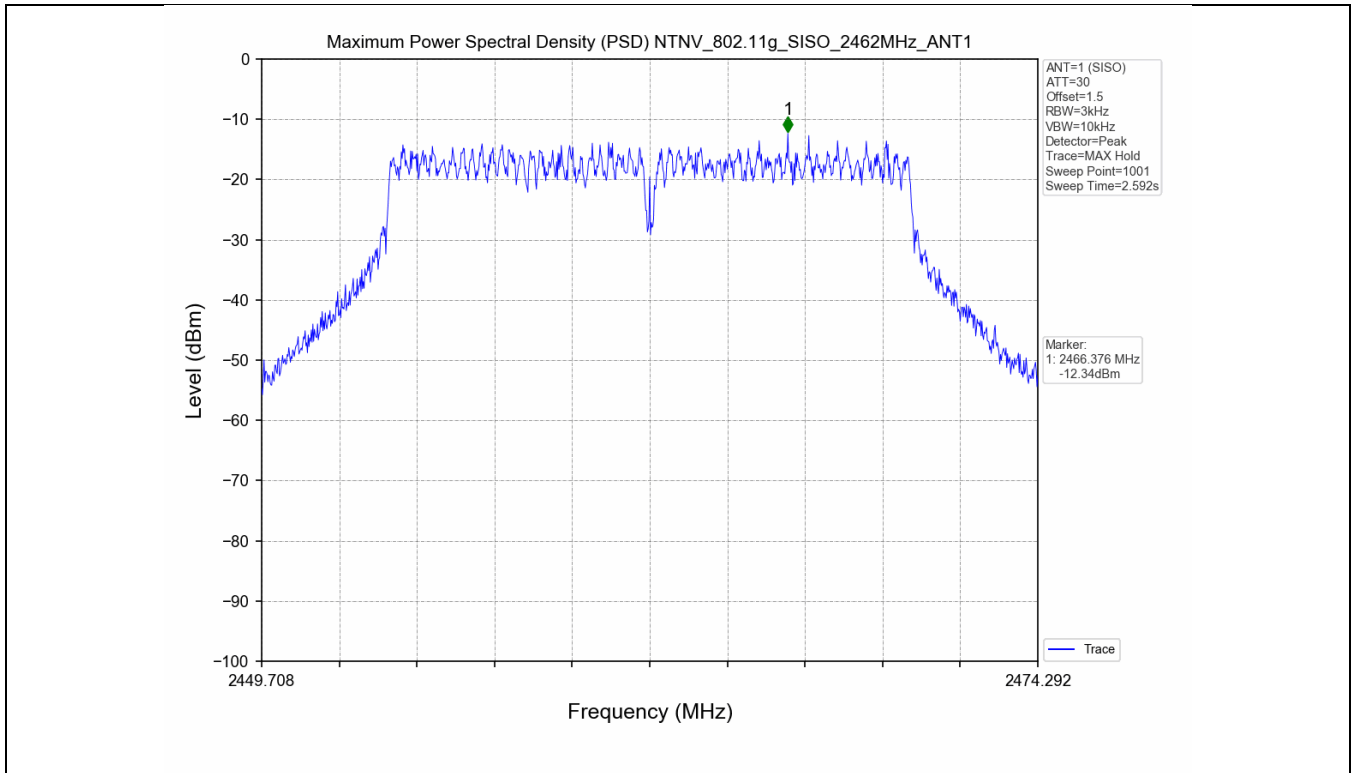
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-5.33	≤8	PASS
	2437	SISO	-4.11	≤8	PASS
	2462	SISO	-4.03	≤8	PASS
802.11g	2412	SISO	-11.93	≤8	PASS
	2437	SISO	-12.46	≤8	PASS
	2462	SISO	-12.34	≤8	PASS
802.11n(HT20)	2412	SISO	-12.72	≤8	PASS
	2437	SISO	-12.89	≤8	PASS
	2462	SISO	-12.86	≤8	PASS
802.11n(HT40)	2422	SISO	-16.27	≤8	PASS
	2437	SISO	-14.88	≤8	PASS
	2452	SISO	-16.13	≤8	PASS

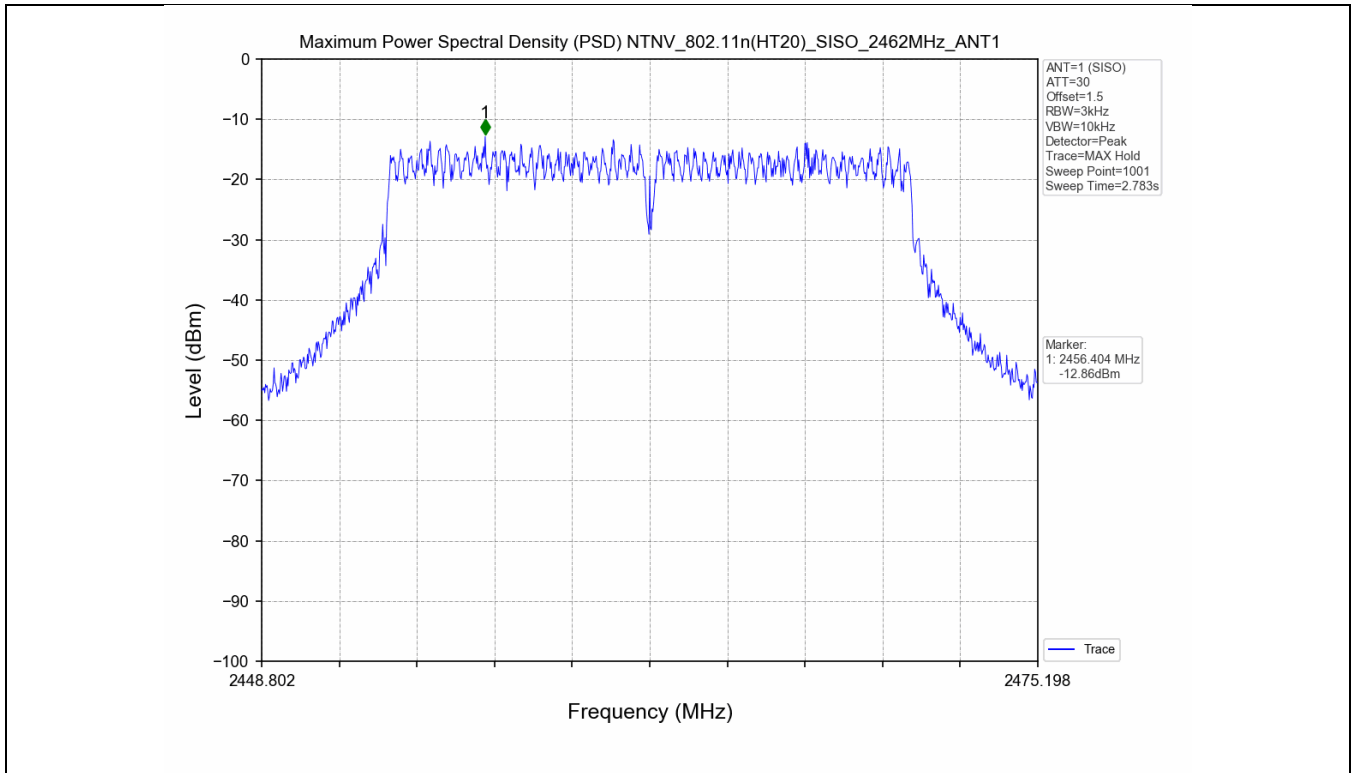
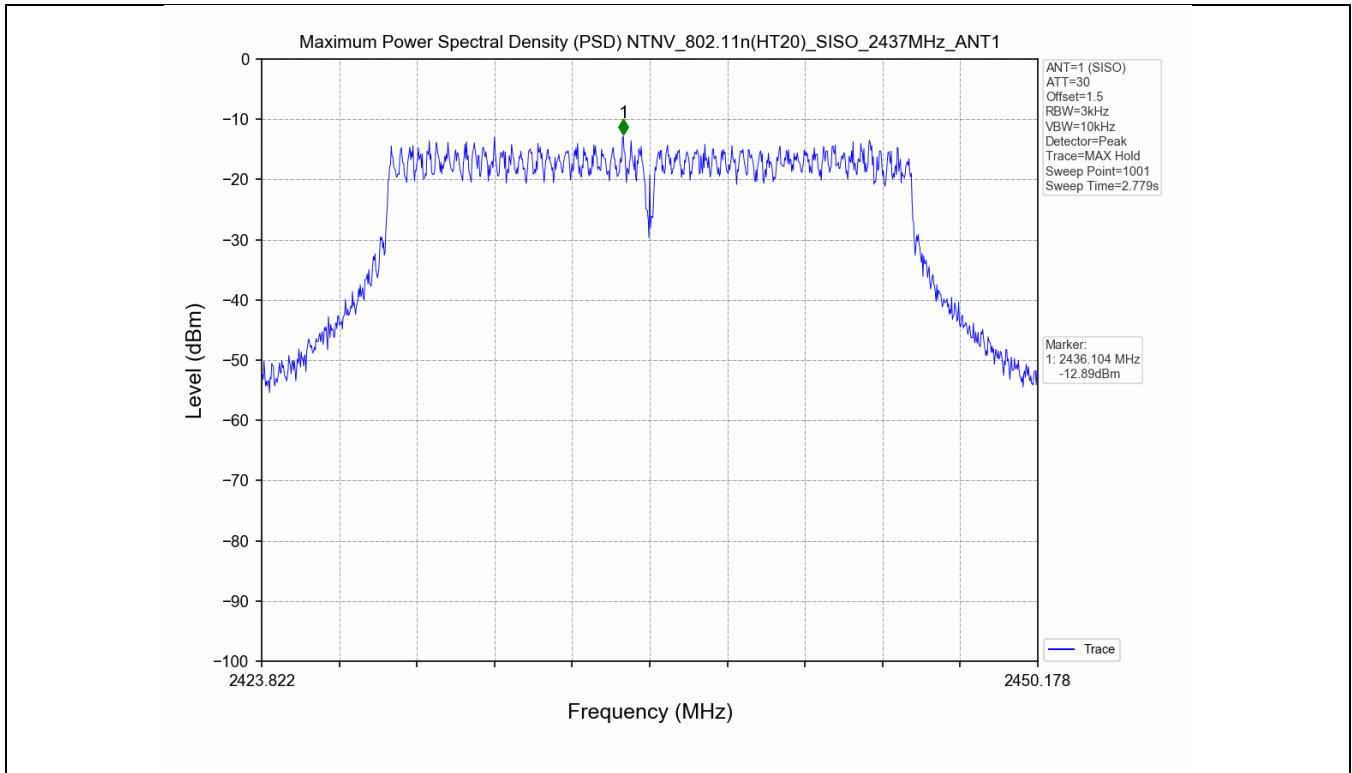
4.2 Test Graph

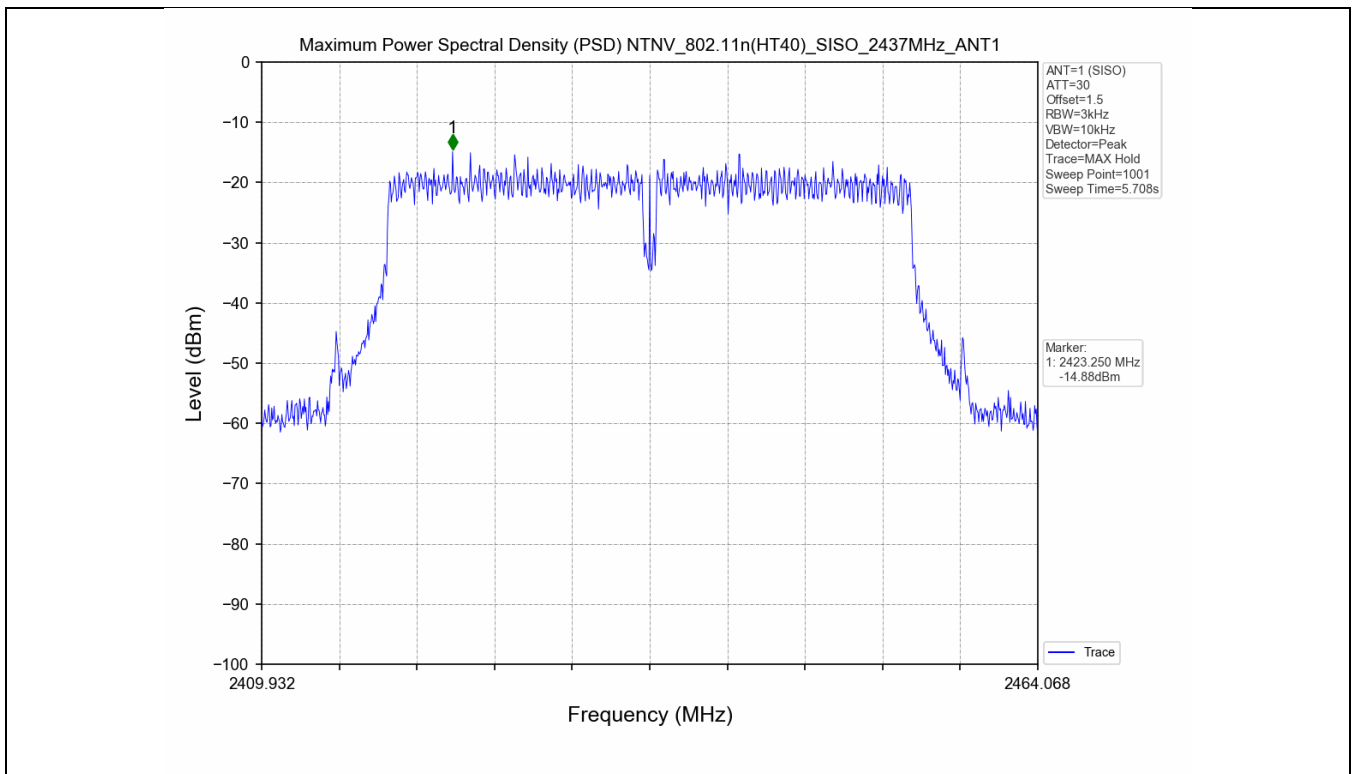
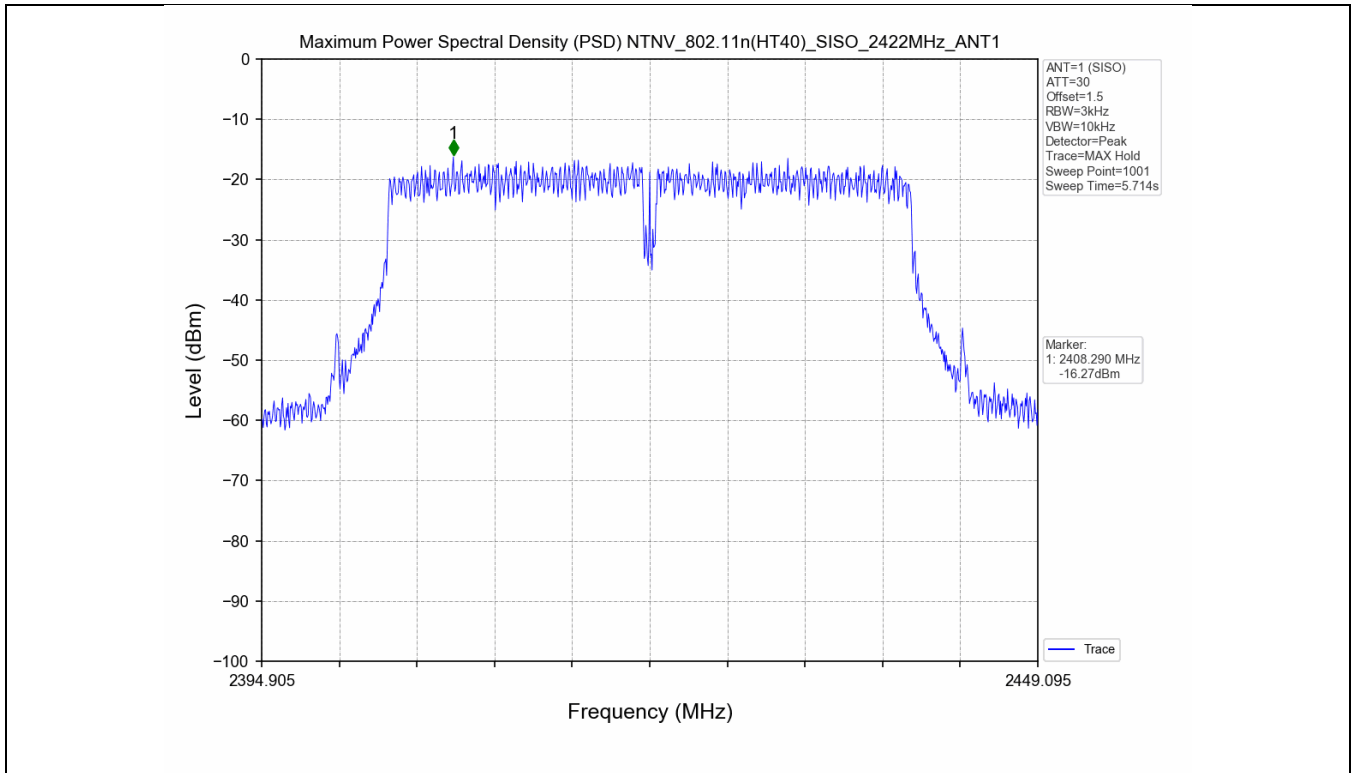


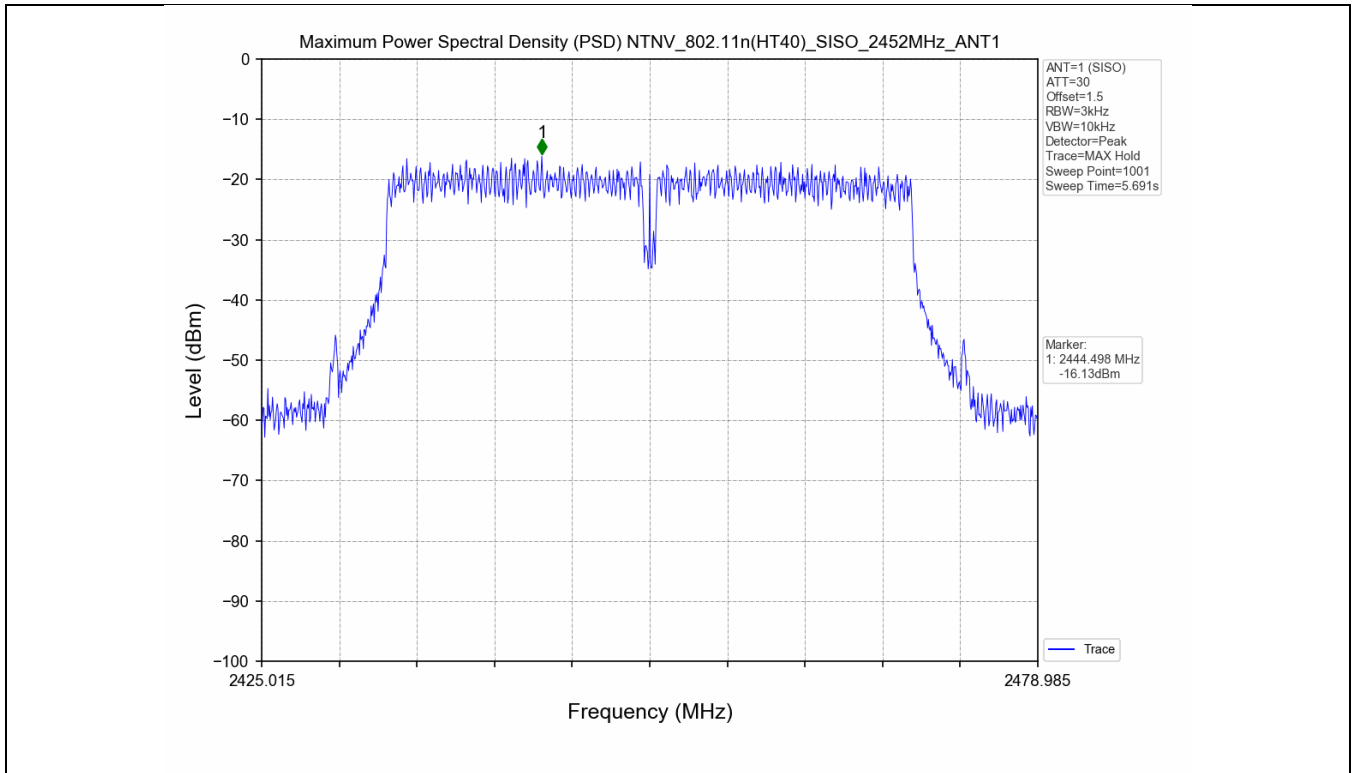












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-10.82	PASS
	2437	SISO	1	Refer to test graph	-10.82	PASS
	2462	SISO	1	Refer to test graph	-10.82	PASS
802.11g	2412	SISO	1	Refer to test graph	-18.13	PASS
	2437	SISO	1	Refer to test graph	-18.13	PASS
	2462	SISO	1	Refer to test graph	-18.13	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.13	PASS
	2437	SISO	1	Refer to test graph	-18.13	PASS
	2462	SISO	1	Refer to test graph	-18.13	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-21.27	PASS
	2437	SISO	1	Refer to test graph	-21.27	PASS
	2452	SISO	1	Refer to test graph	-21.27	PASS

5.2 Test Graph

