

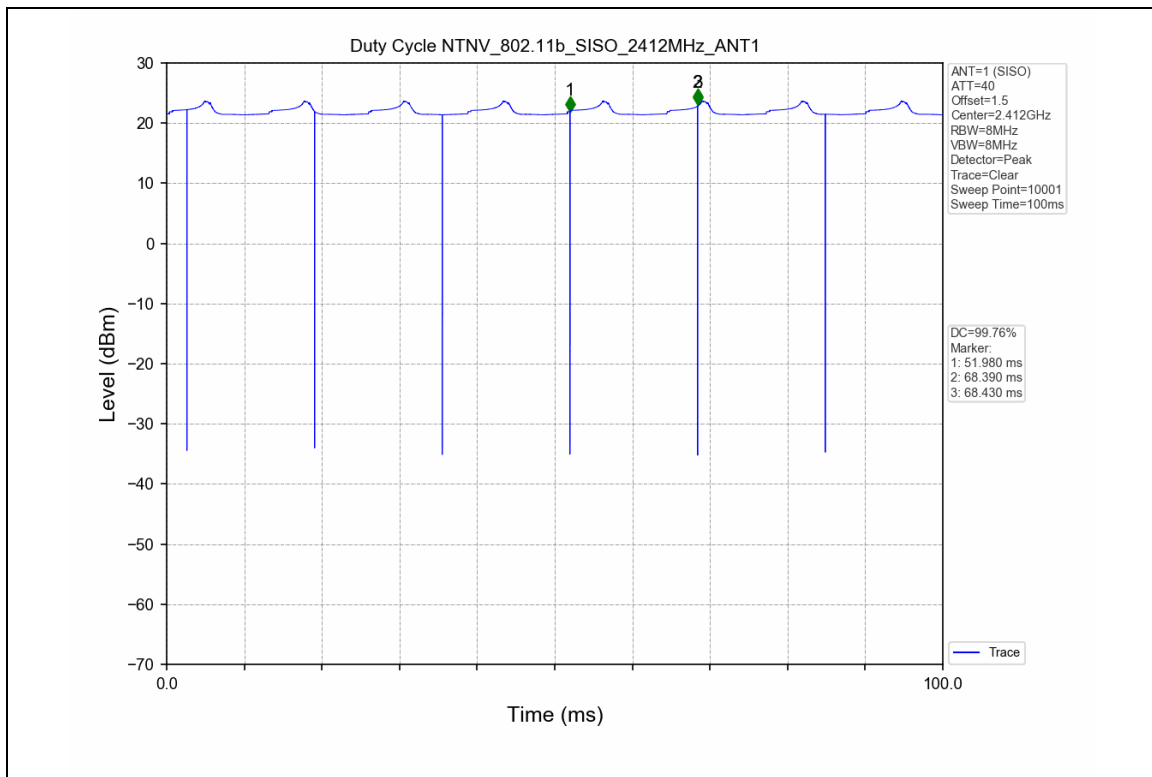
Appendix A for SHEM210500492001

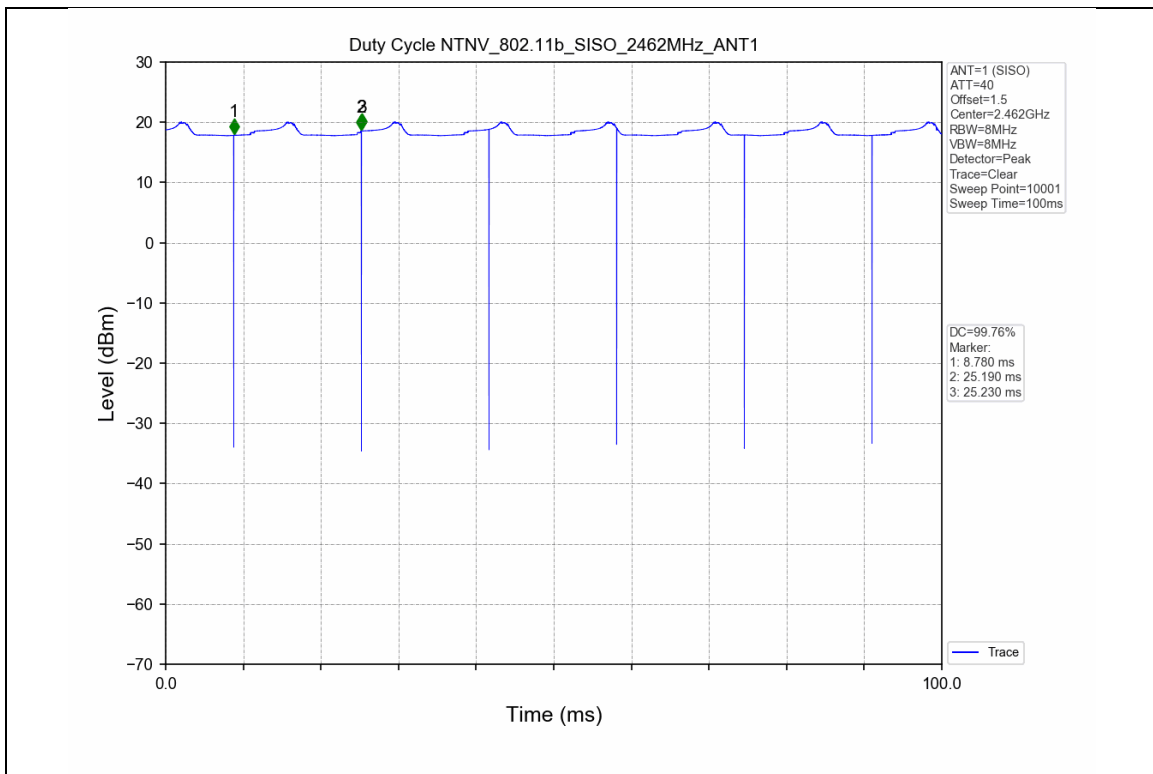
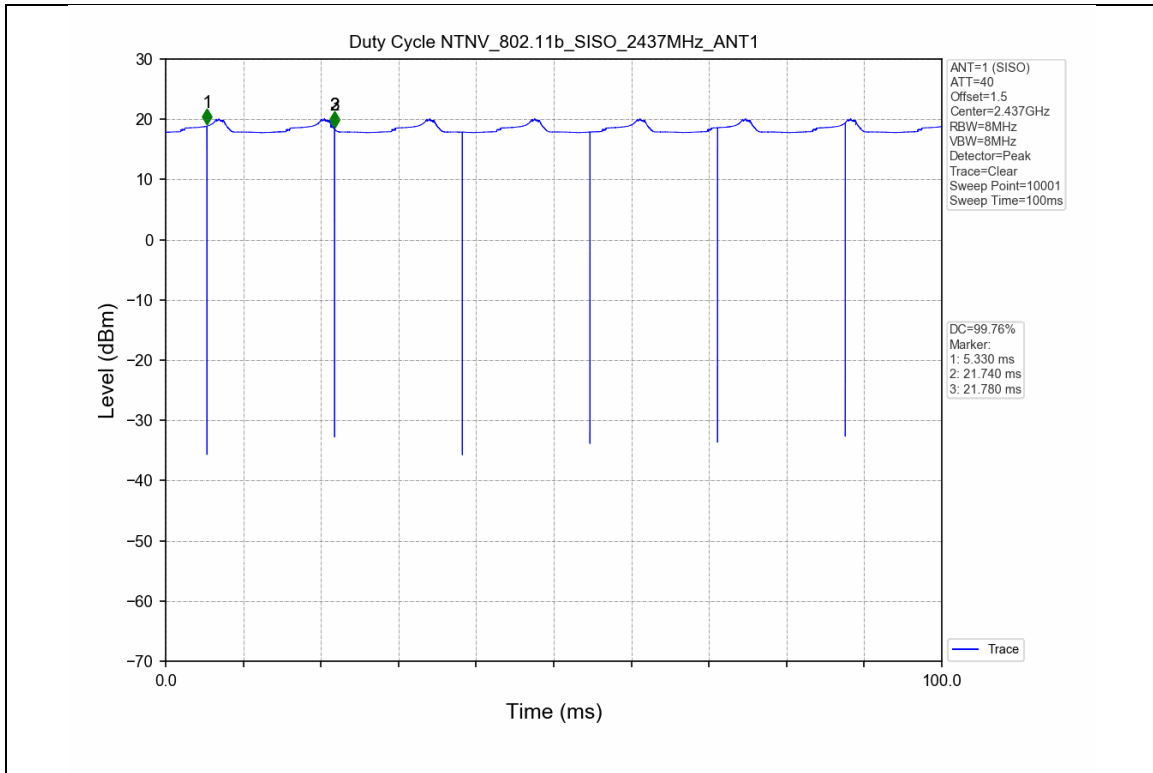
1. Duty Cycle

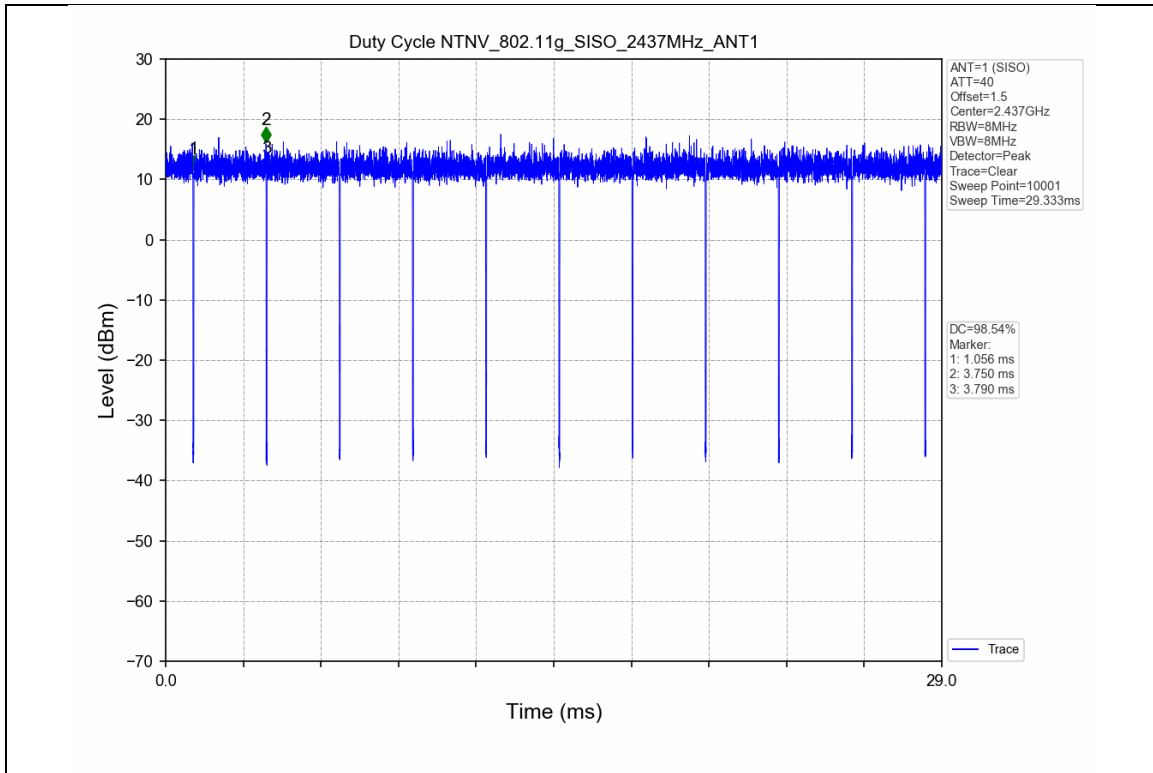
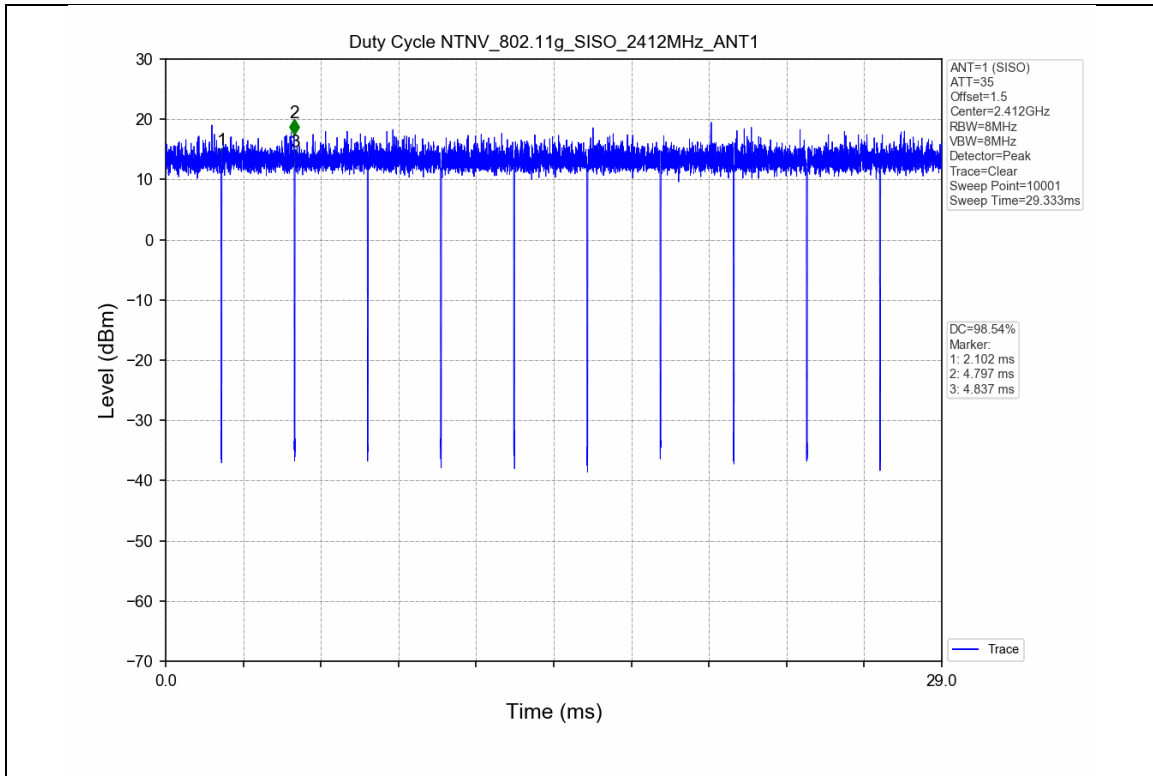
1.1 Test Result

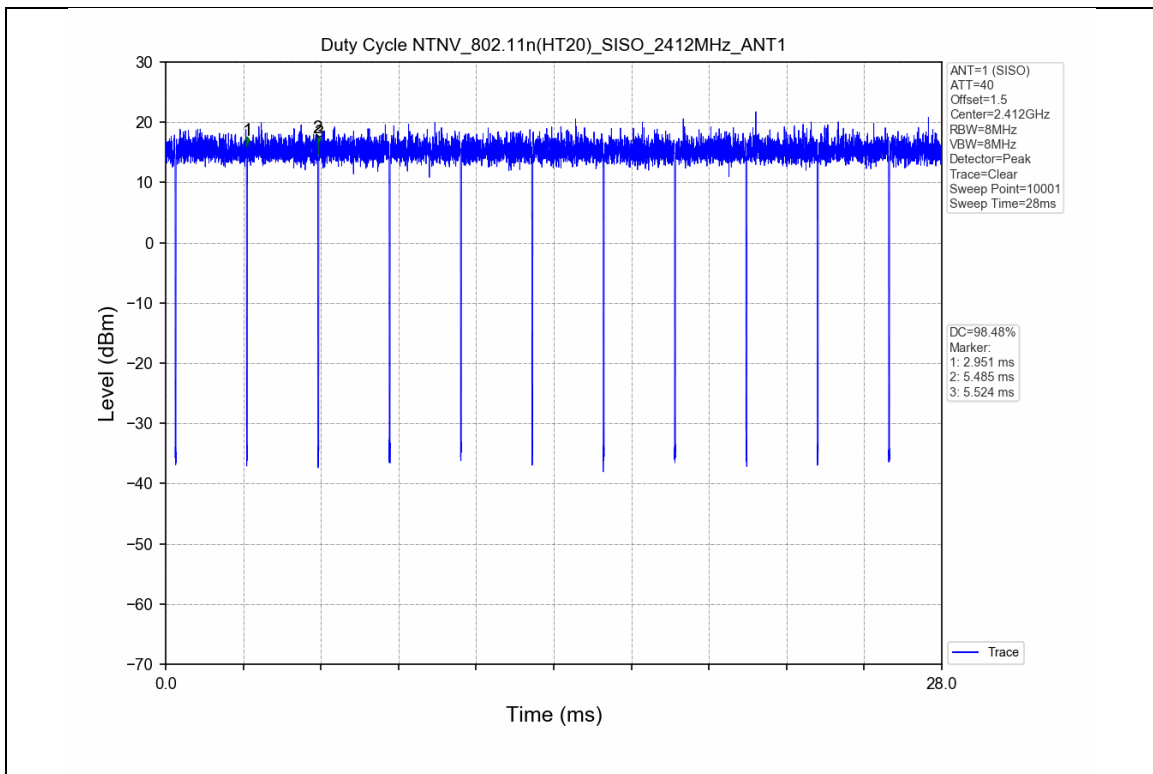
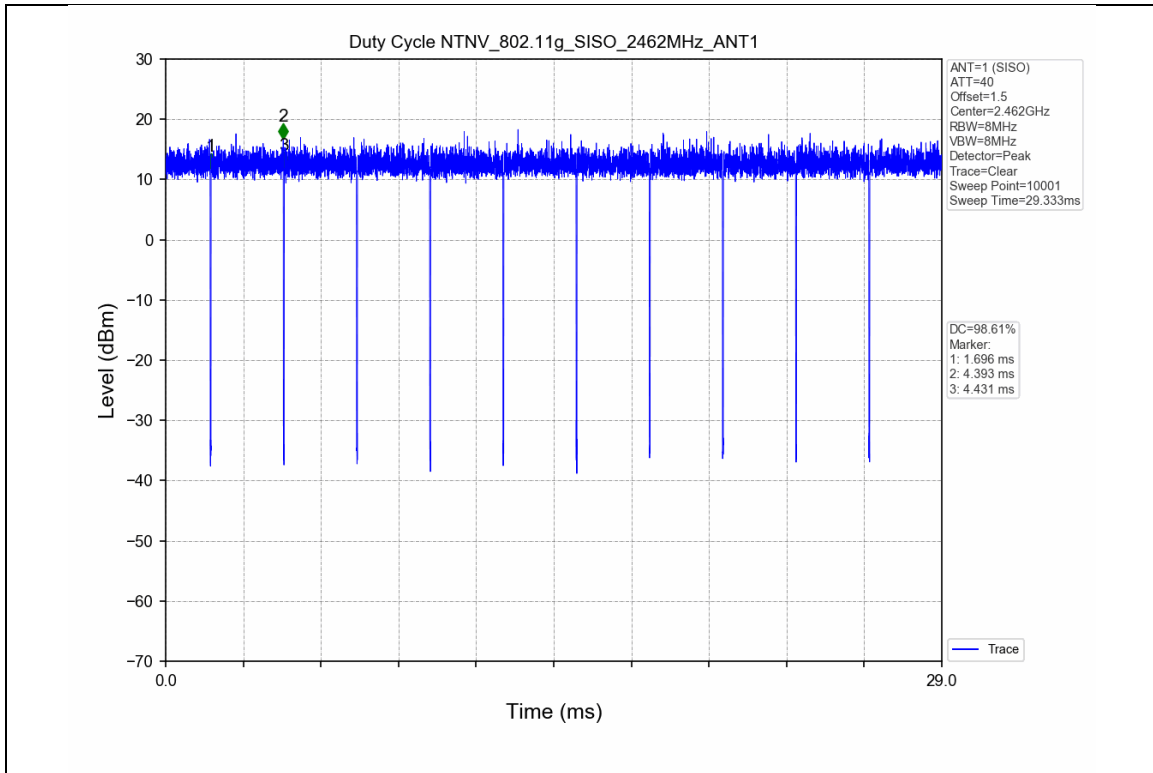
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	16.410	16.450	99.76	0.01
	2437	SISO	1	16.410	16.450	99.76	0.01
	2462	SISO	1	16.410	16.450	99.76	0.01
802.11g	2412	SISO	1	2.695	2.735	98.54	0.06
	2437	SISO	1	2.694	2.734	98.54	0.06
	2462	SISO	1	2.697	2.735	98.61	0.06
802.11n(HT20)	2412	SISO	1	2.534	2.573	98.48	0.07
	2437	SISO	1	2.503	2.543	98.43	0.07
	2462	SISO	1	2.503	2.541	98.50	0.07

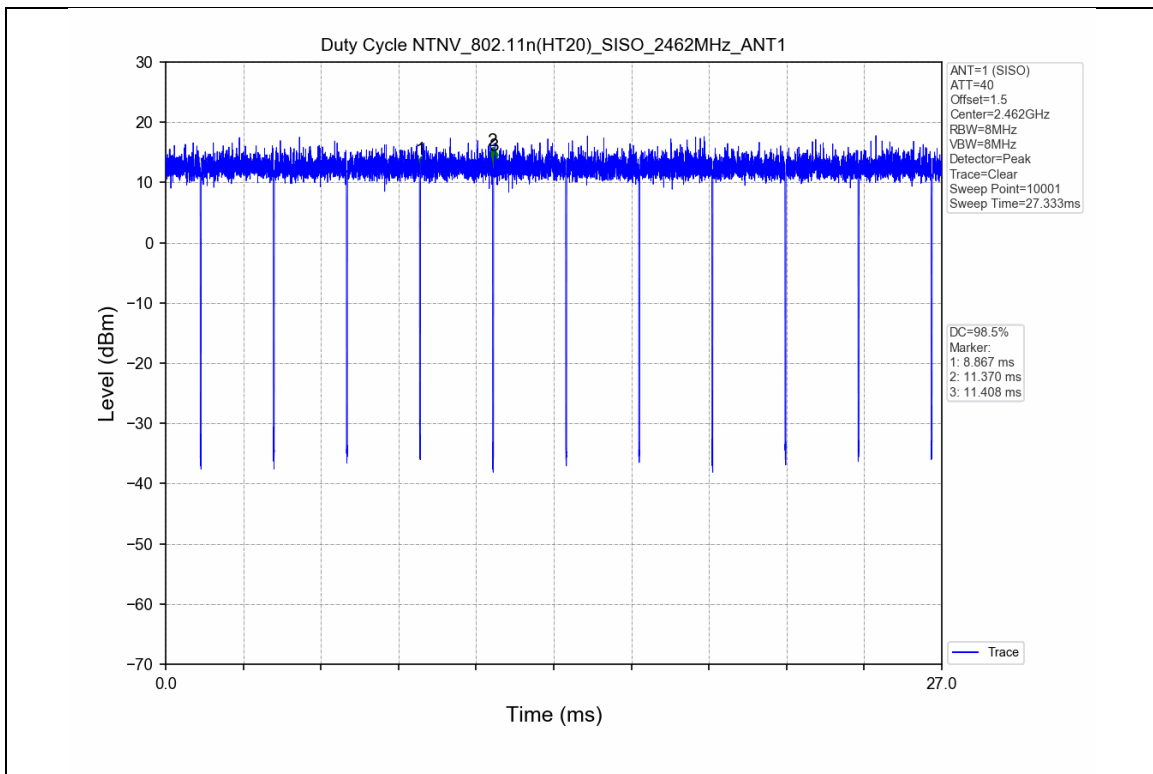
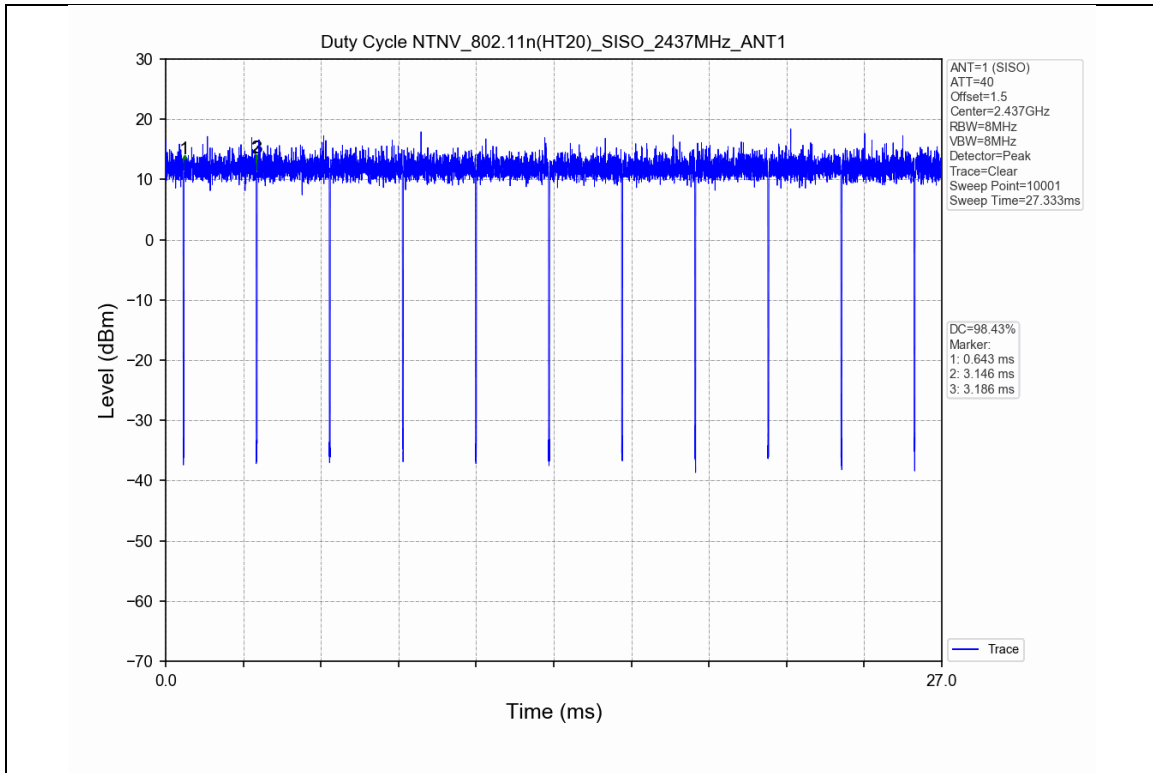
1.2 Test Graph











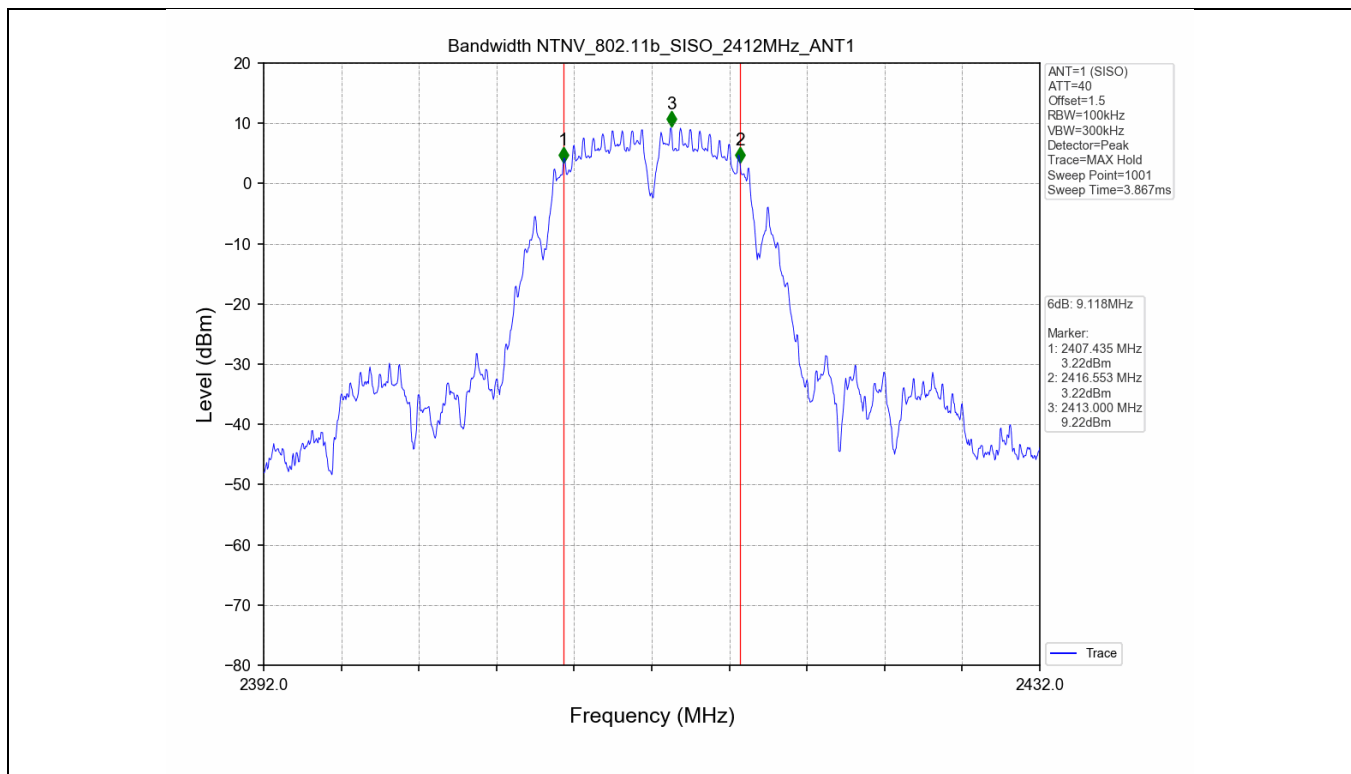
2. Bandwidth

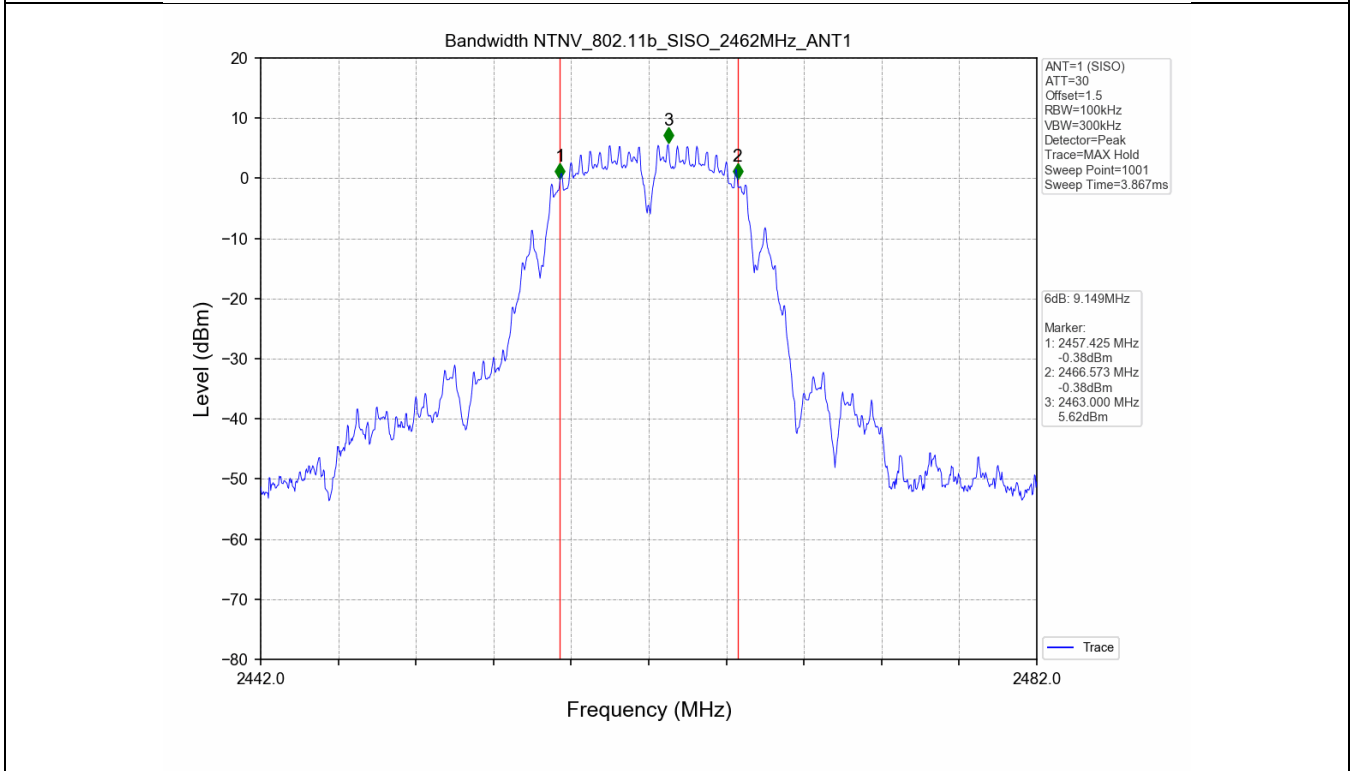
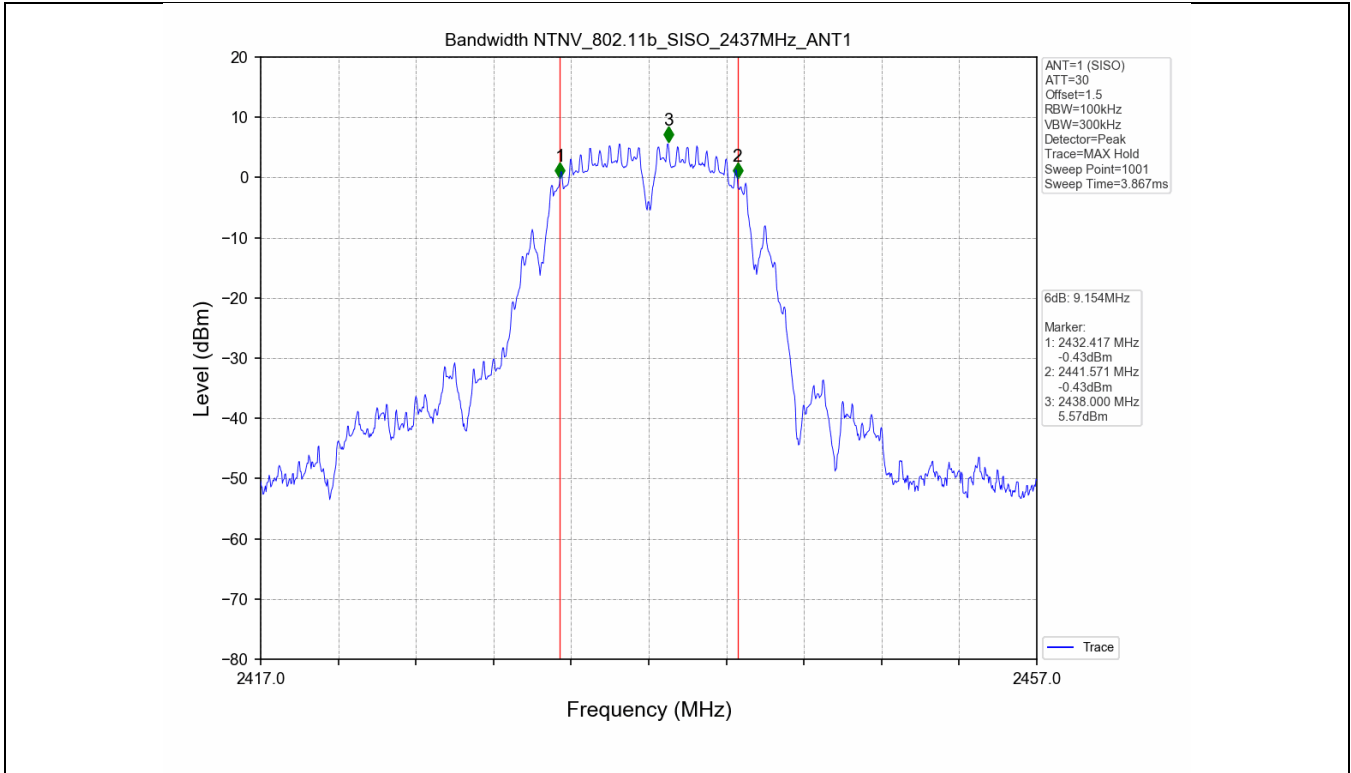
2.1 Test Result

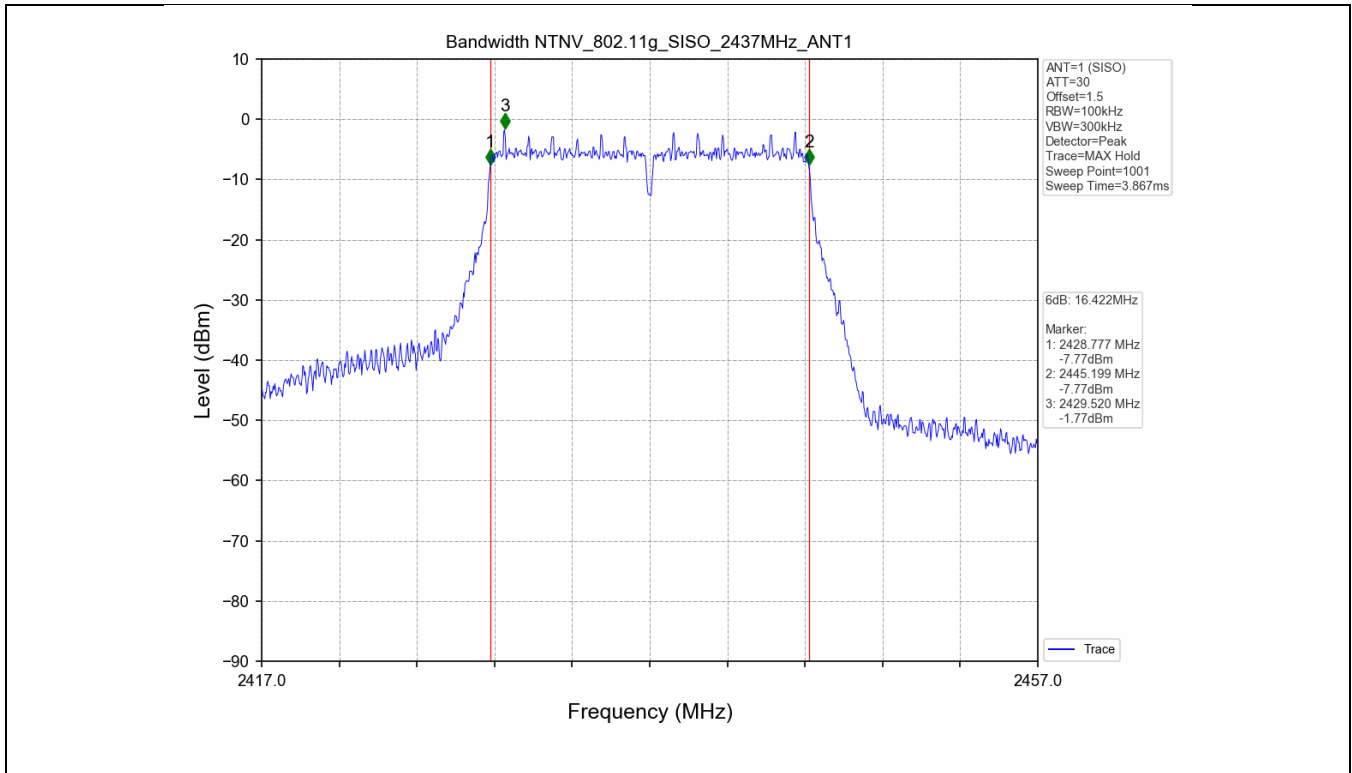
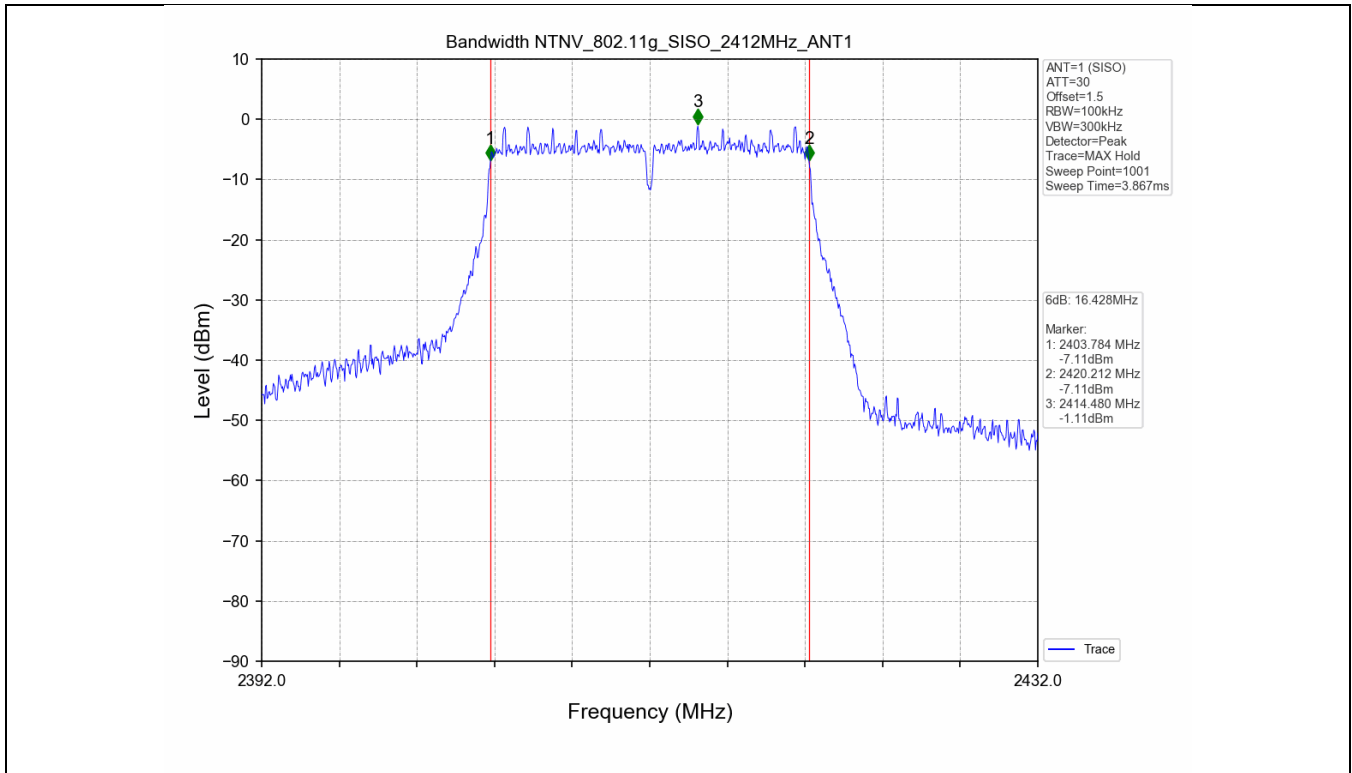
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.118	≥0.5	PASS
	2437	SISO	1	9.154	≥0.5	PASS
	2462	SISO	1	9.149	≥0.5	PASS
802.11g	2412	SISO	1	16.428	≥0.5	PASS
	2437	SISO	1	16.422	≥0.5	PASS
	2462	SISO	1	16.425	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.634	≥0.5	PASS
	2437	SISO	1	17.657	≥0.5	PASS
	2462	SISO	1	17.621	≥0.5	PASS

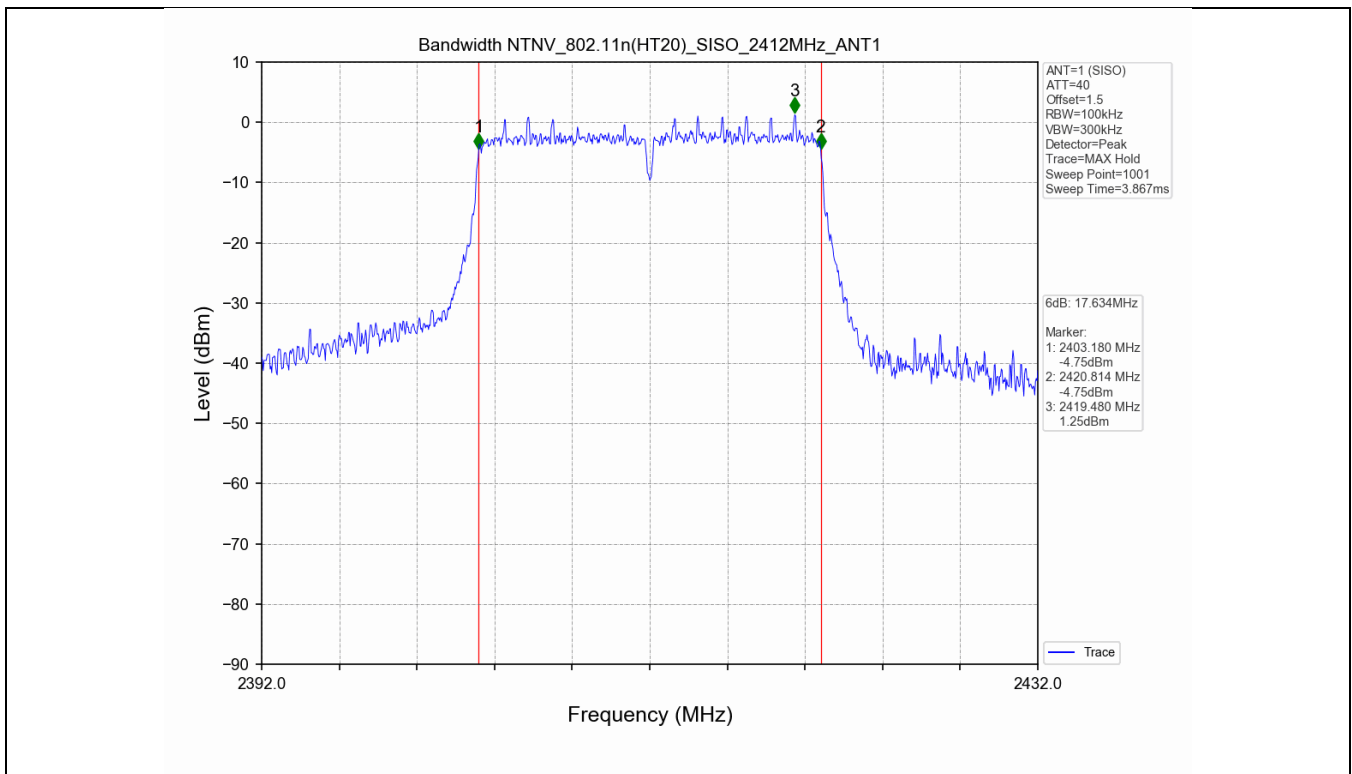
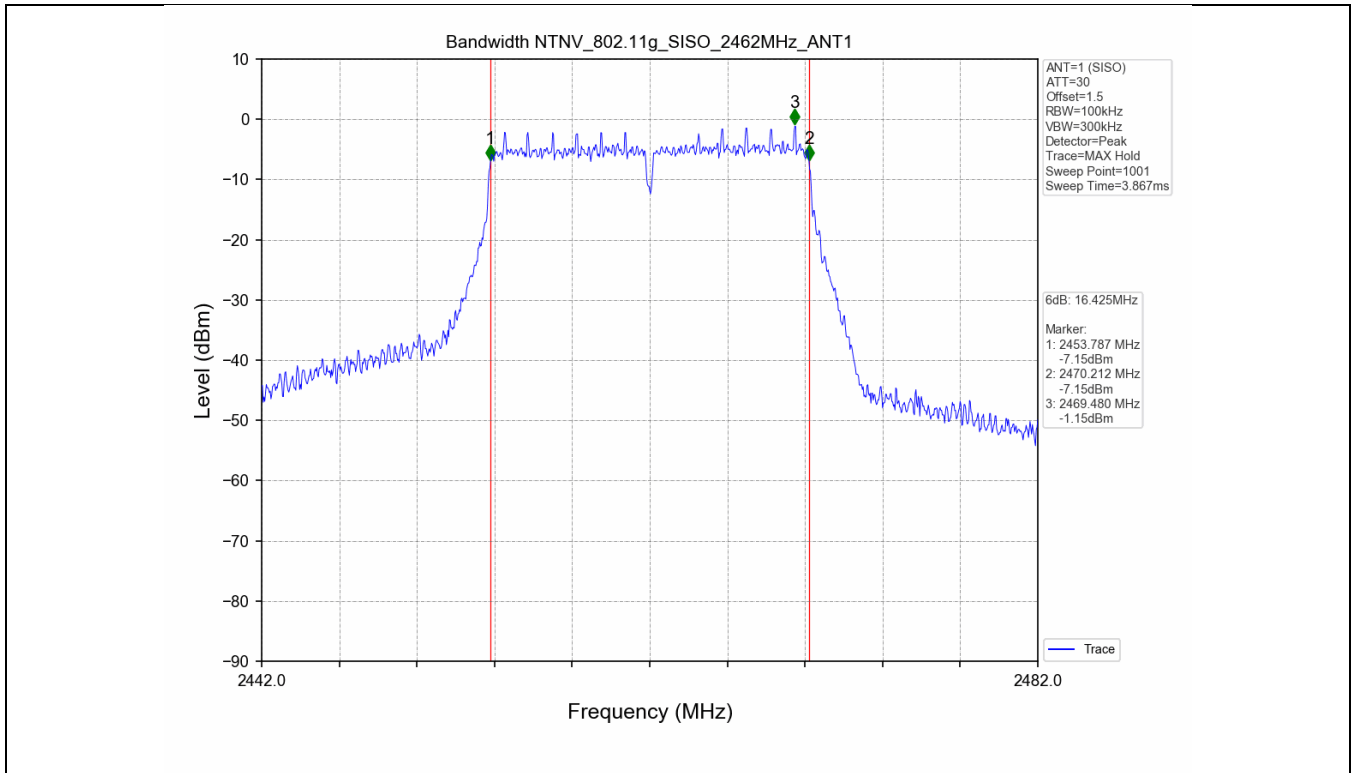
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	Only for Report Use
802.11b	2412	SISO	1	10.965	Only for Report Use
	2437	SISO	1	10.818	Only for Report Use
	2462	SISO	1	10.798	Only for Report Use
802.11g	2412	SISO	1	16.654	Only for Report Use
	2437	SISO	1	16.687	Only for Report Use
	2462	SISO	1	16.655	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.708	Only for Report Use
	2437	SISO	1	17.706	Only for Report Use
	2462	SISO	1	17.680	Only for Report Use

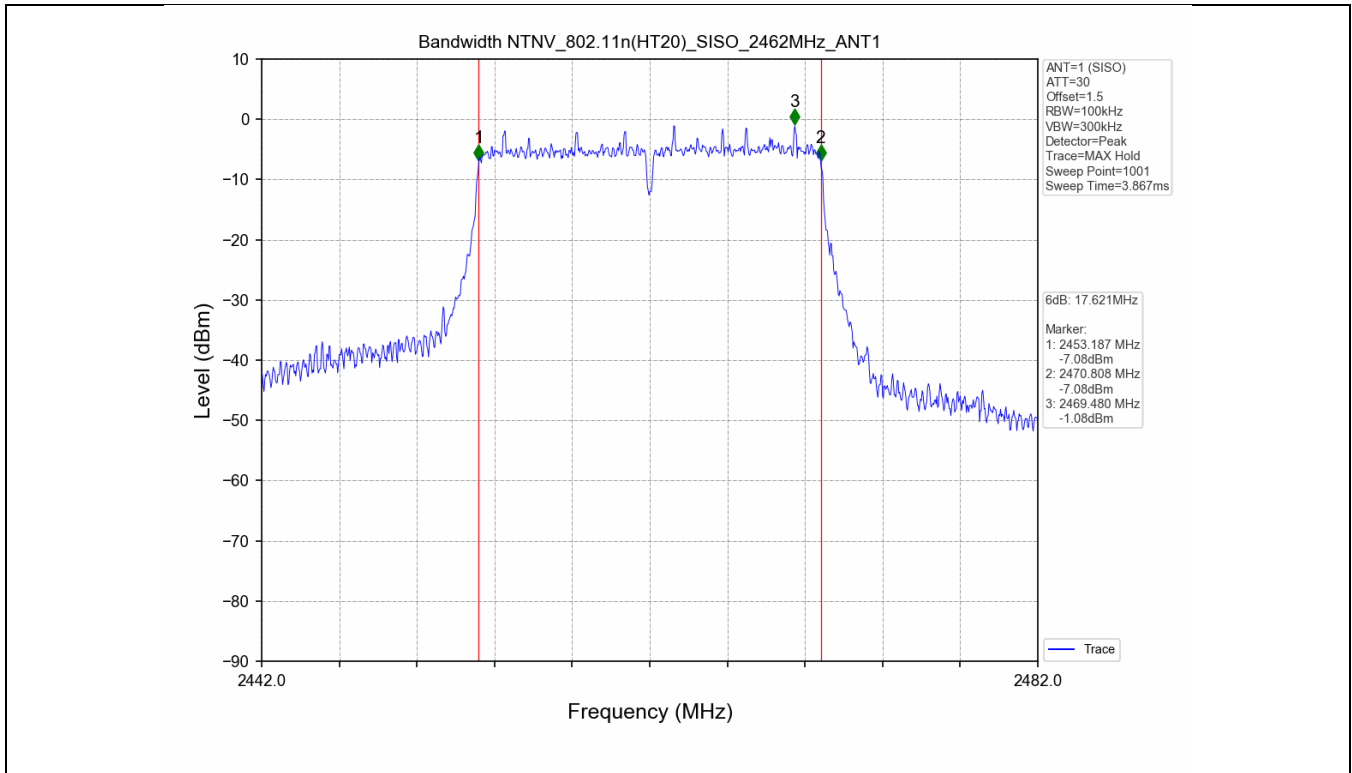
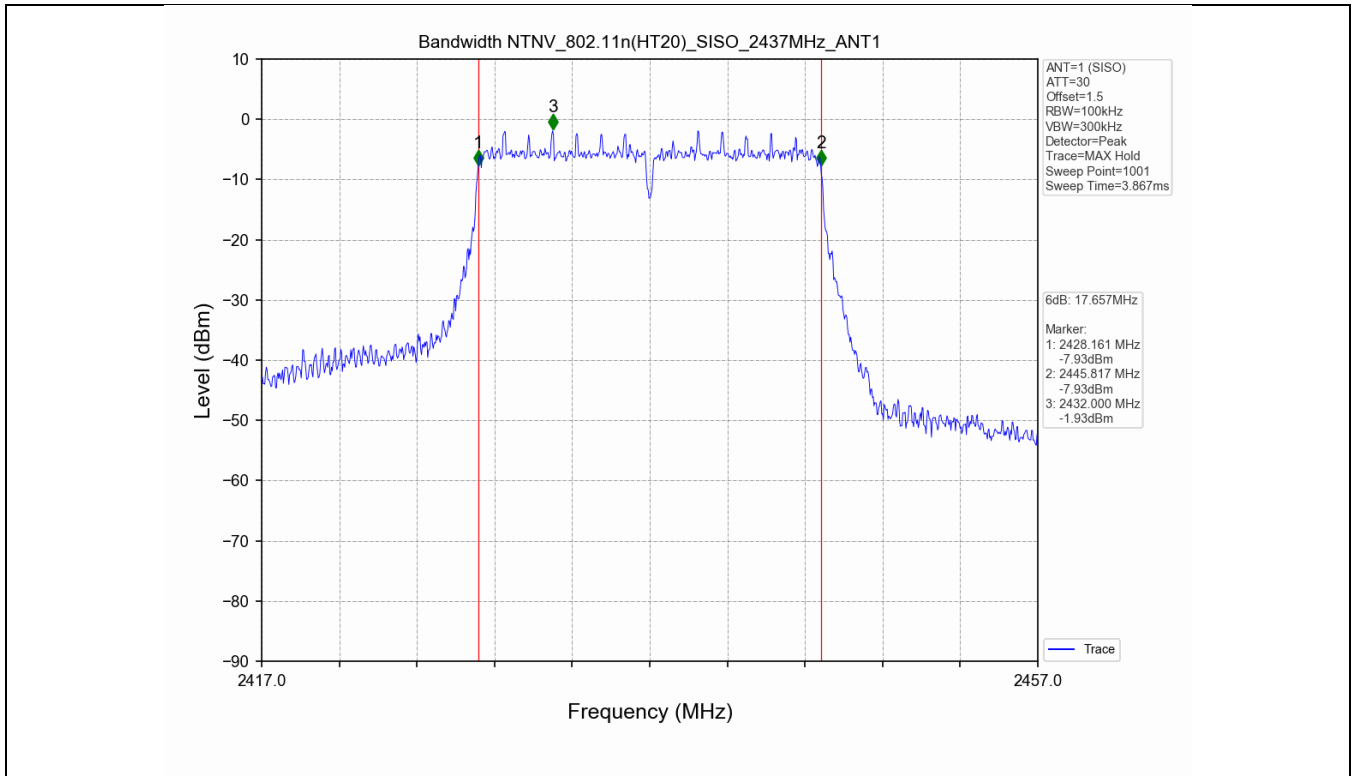
2.2 Test Graph - 6dB Bandwidth



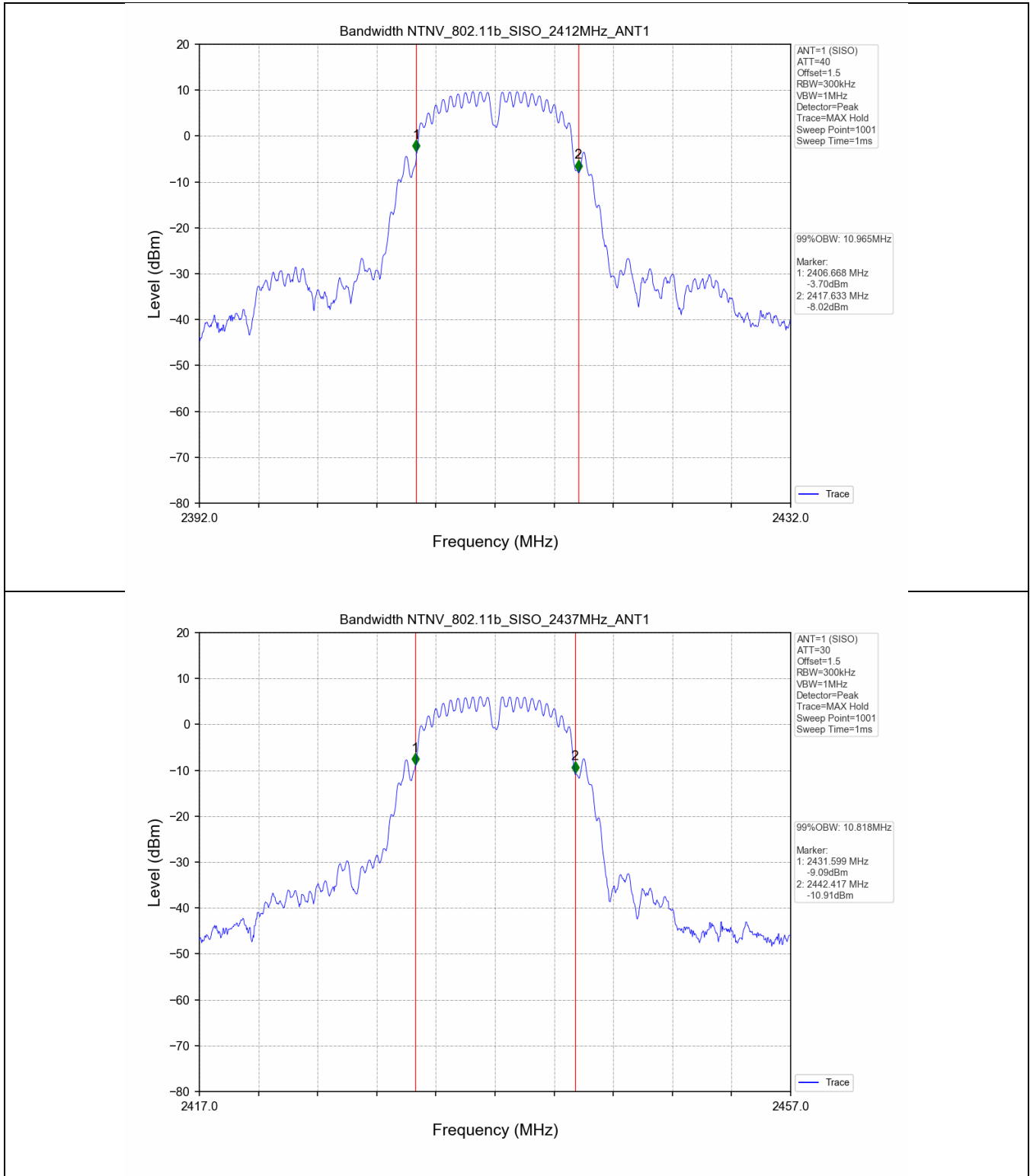


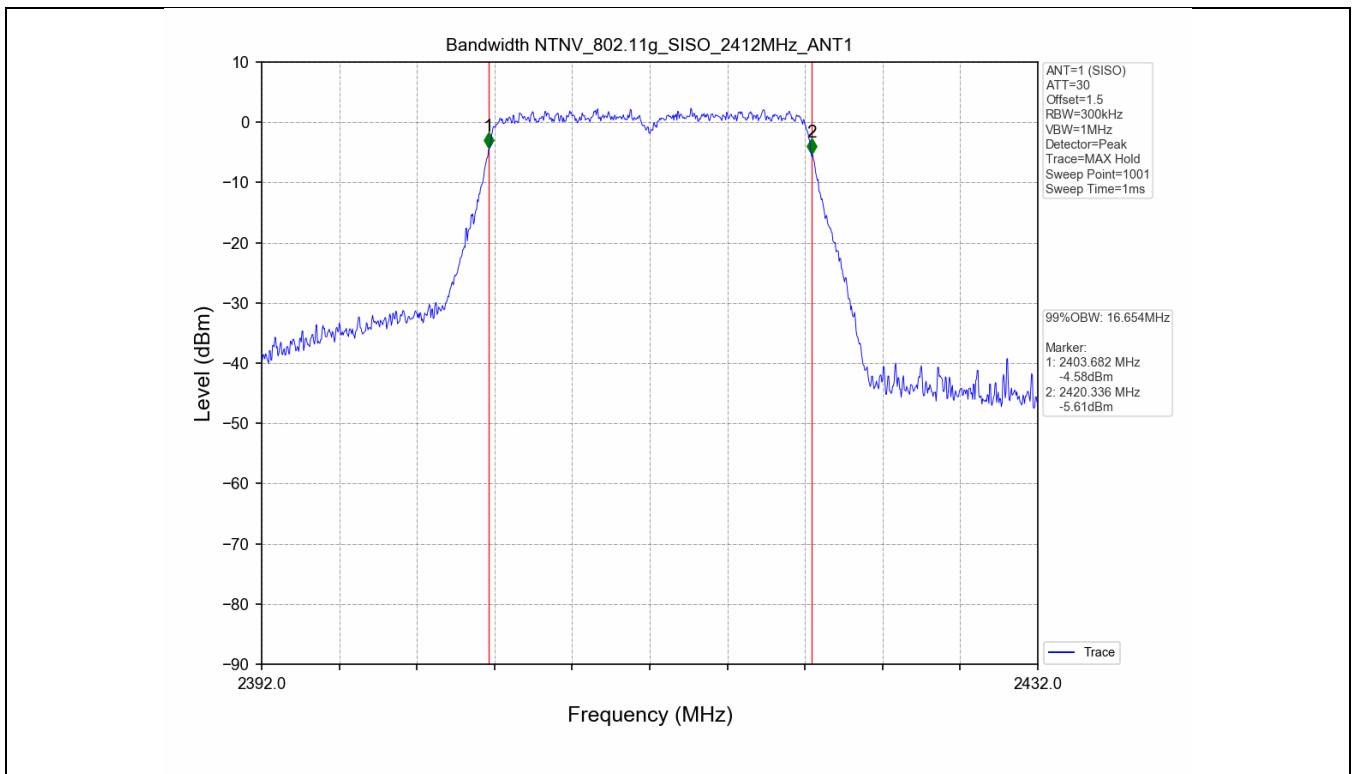
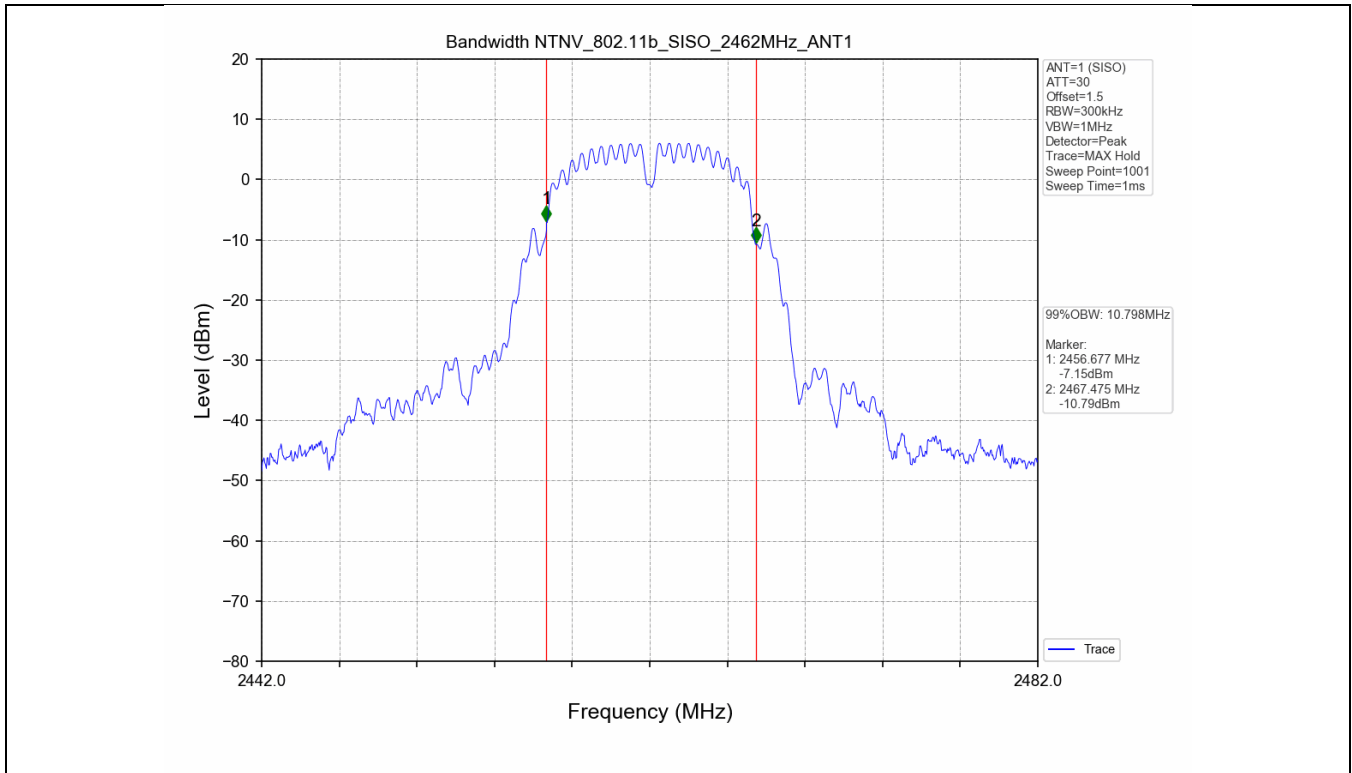


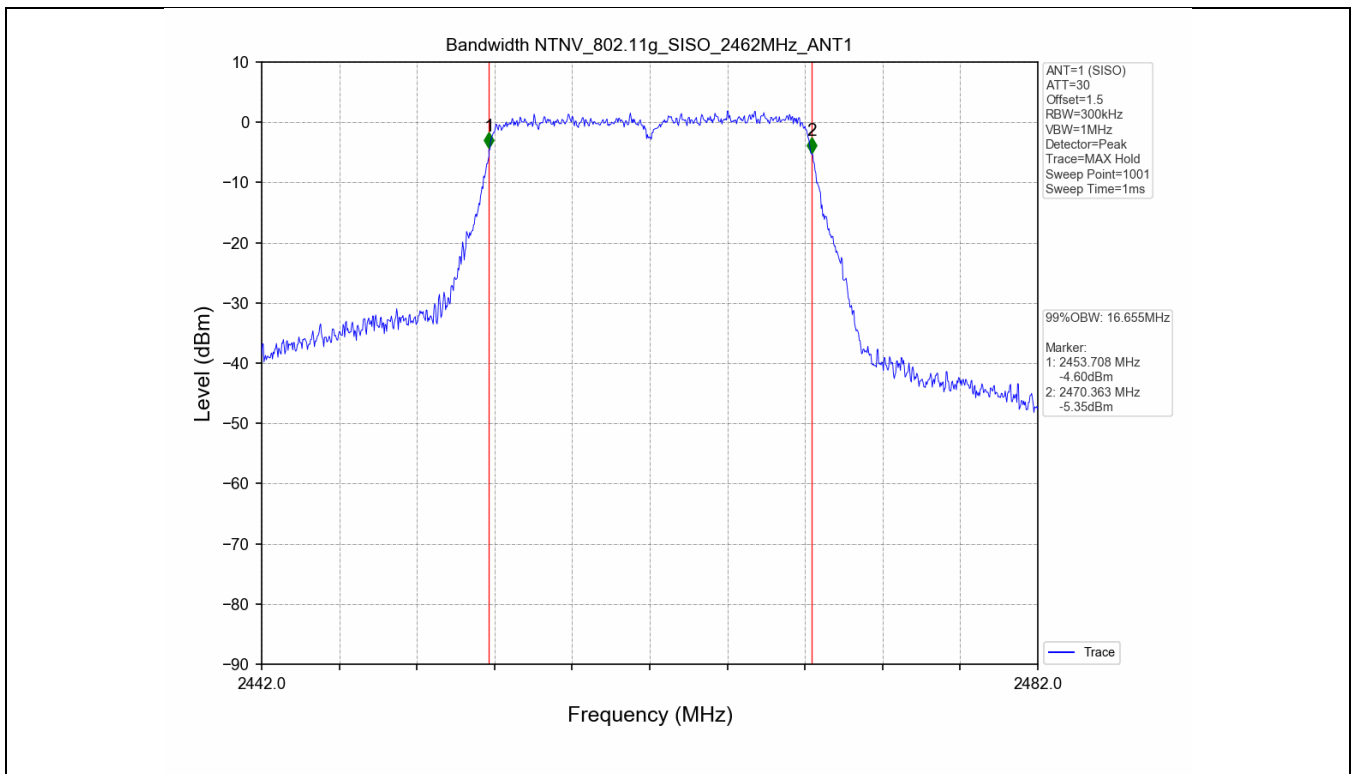
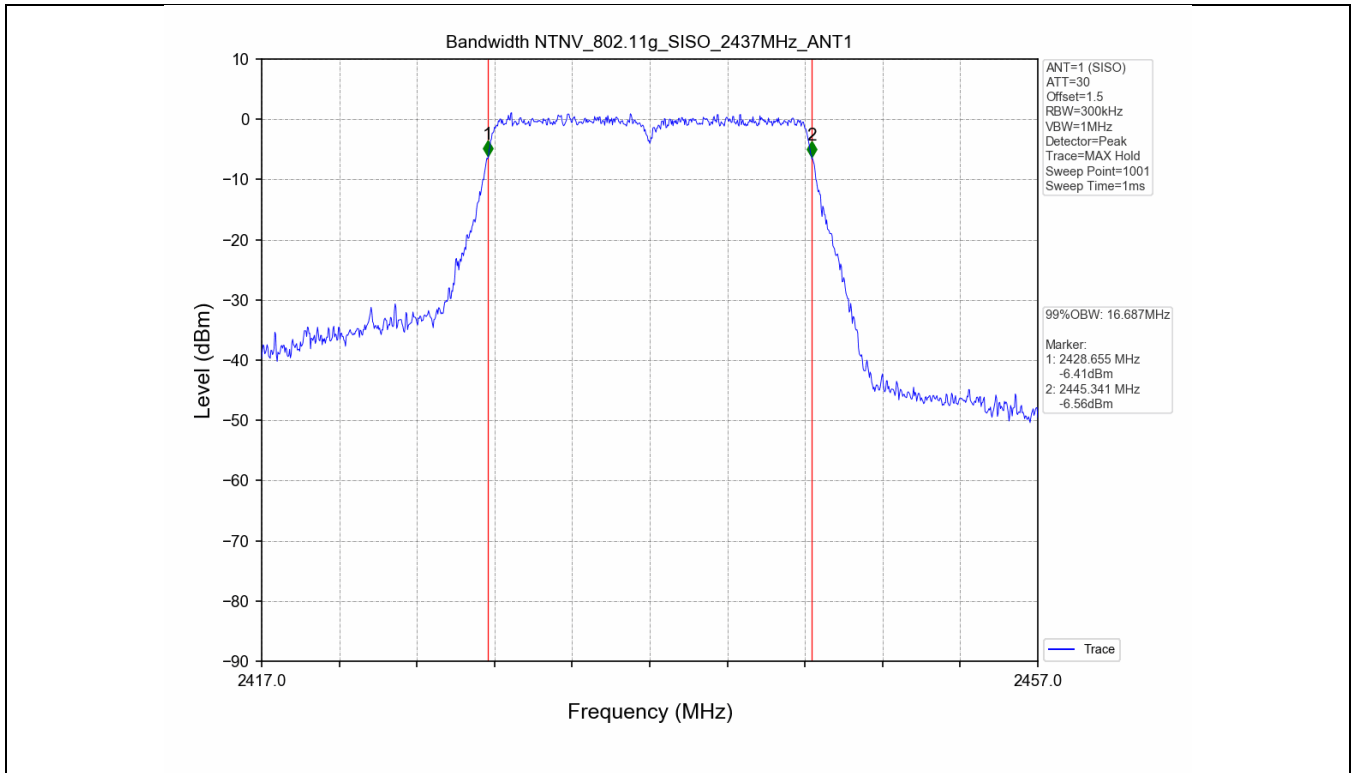


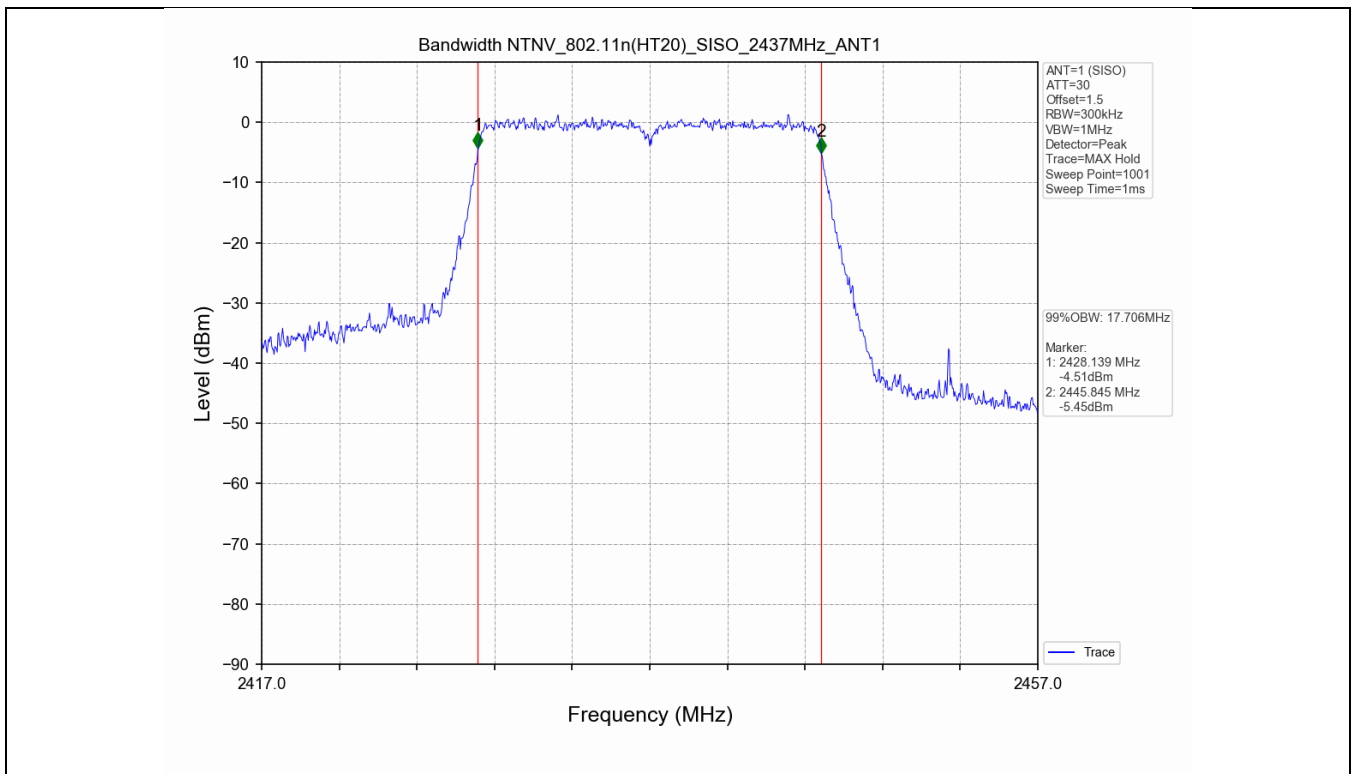
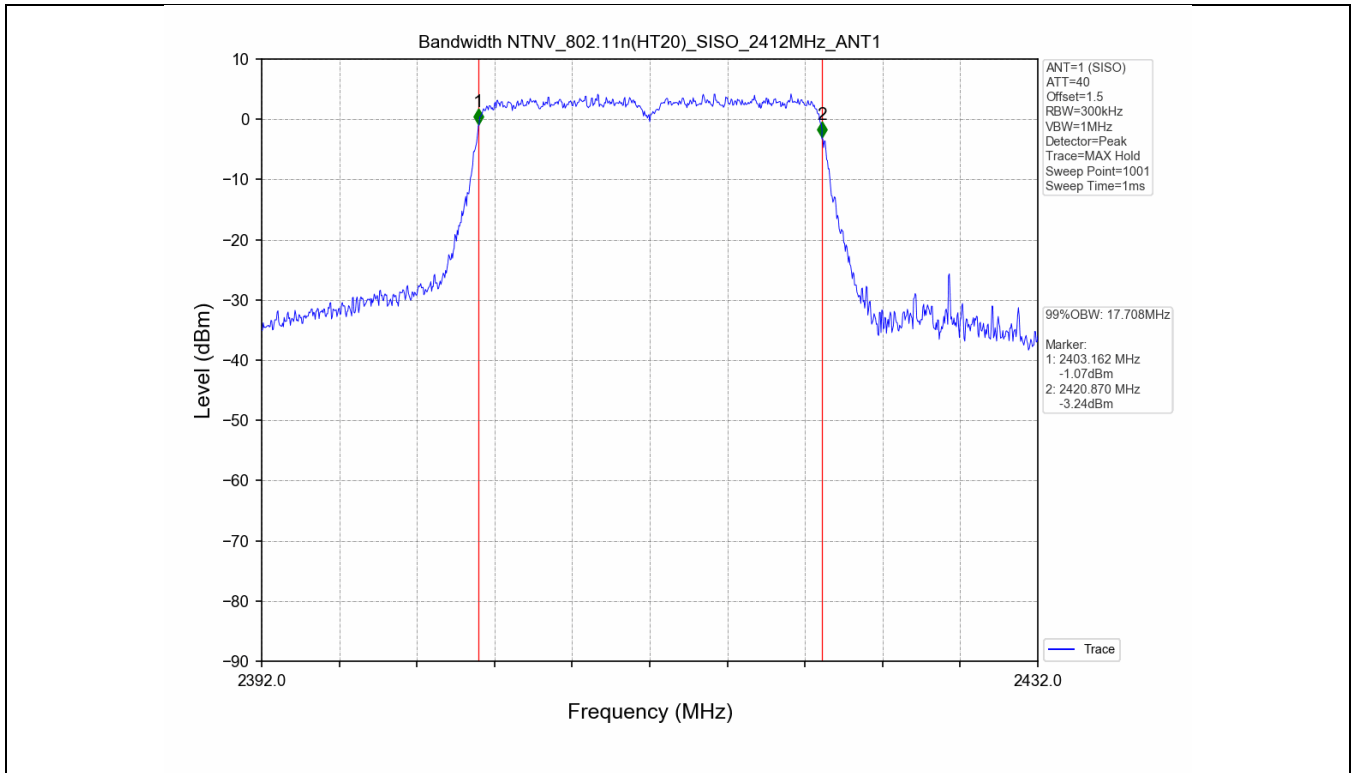


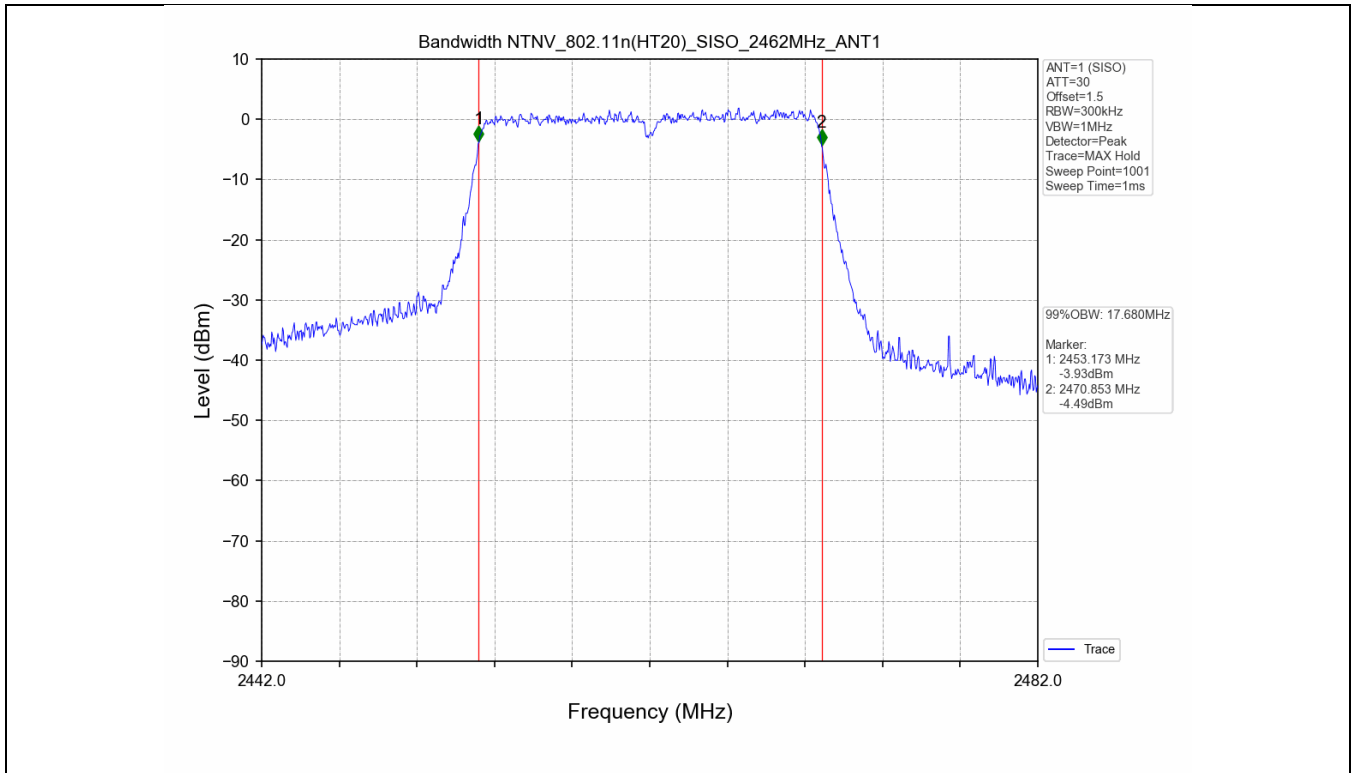
2.3 Test Graph - 99% Occupied Bandwidth









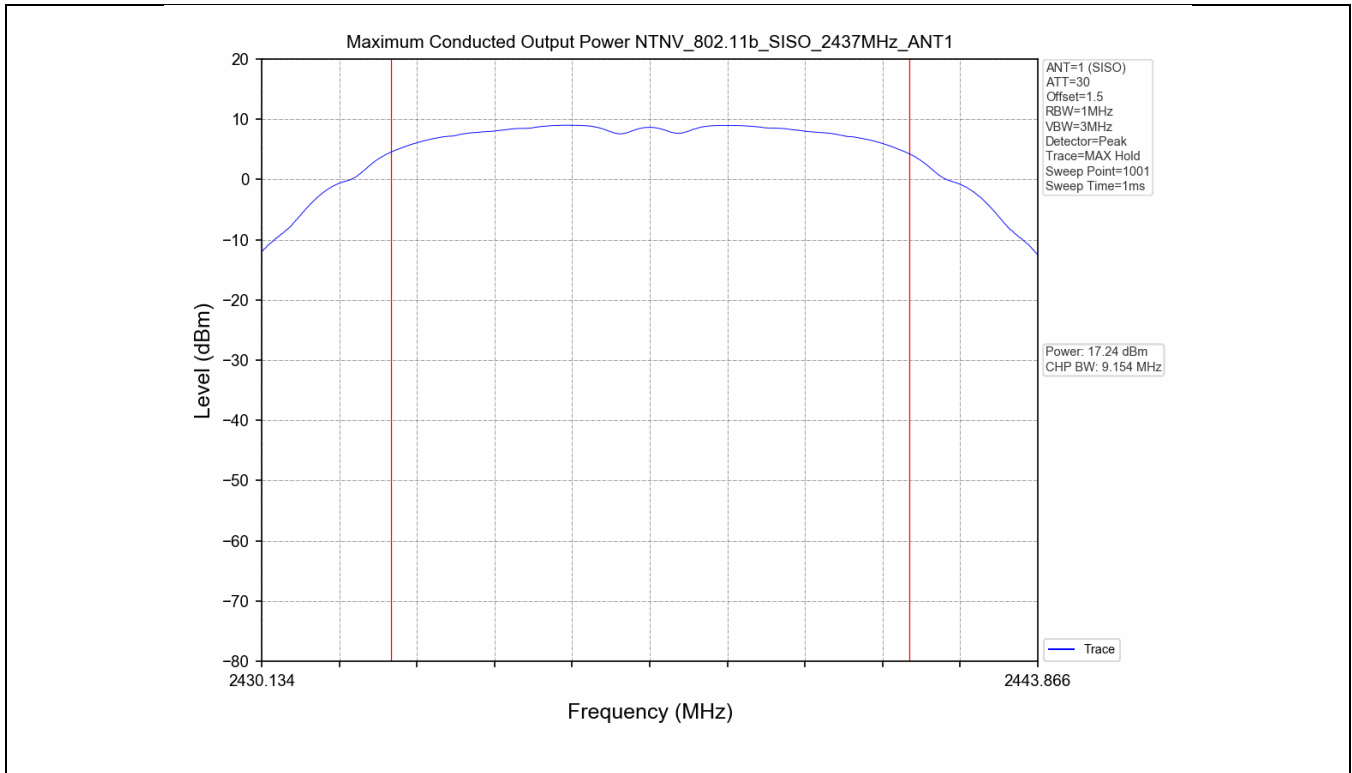
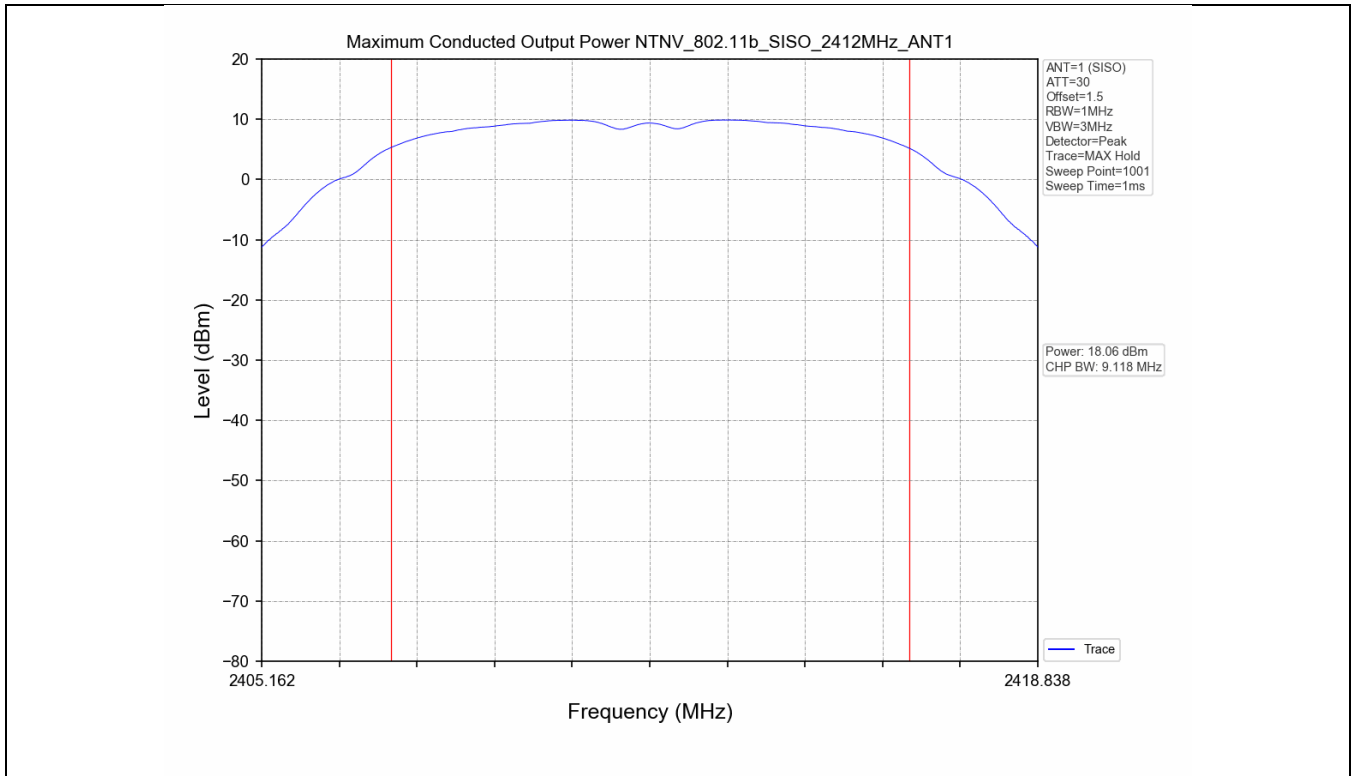


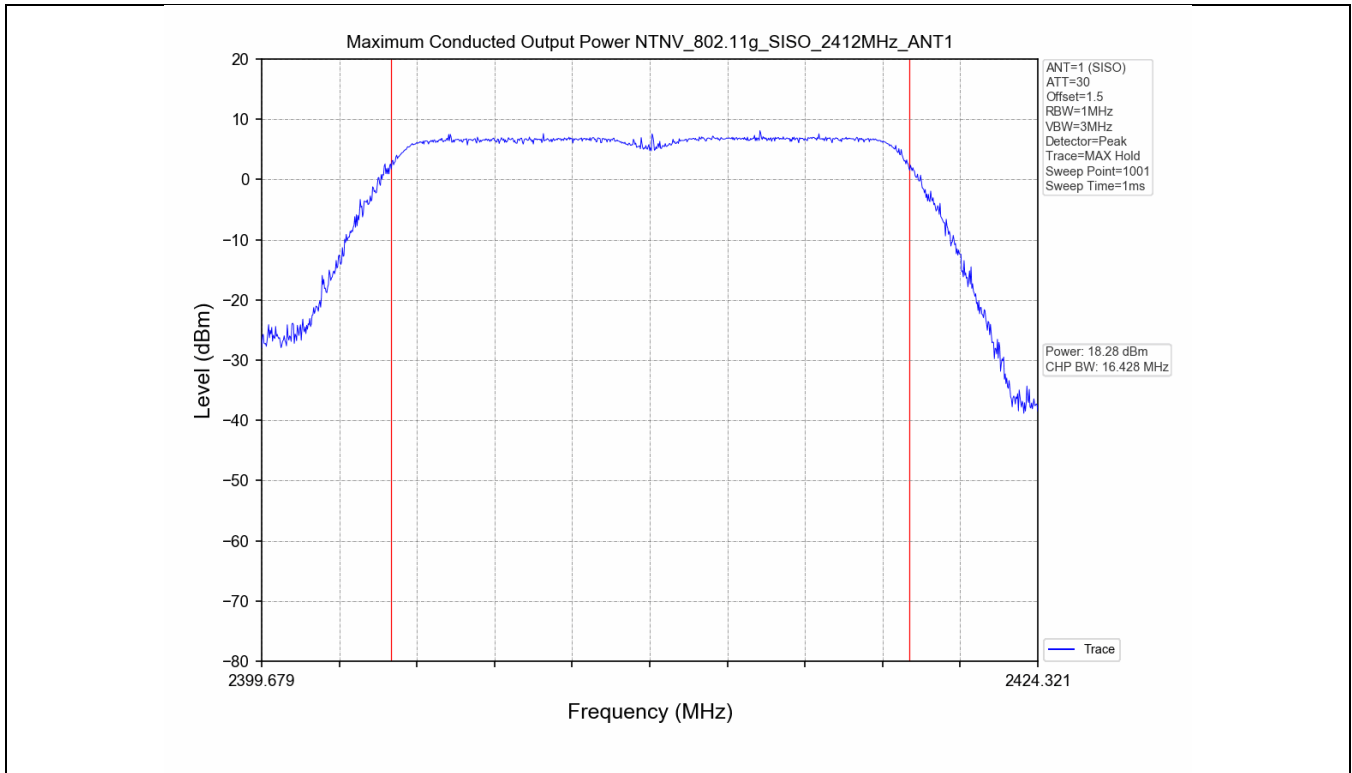
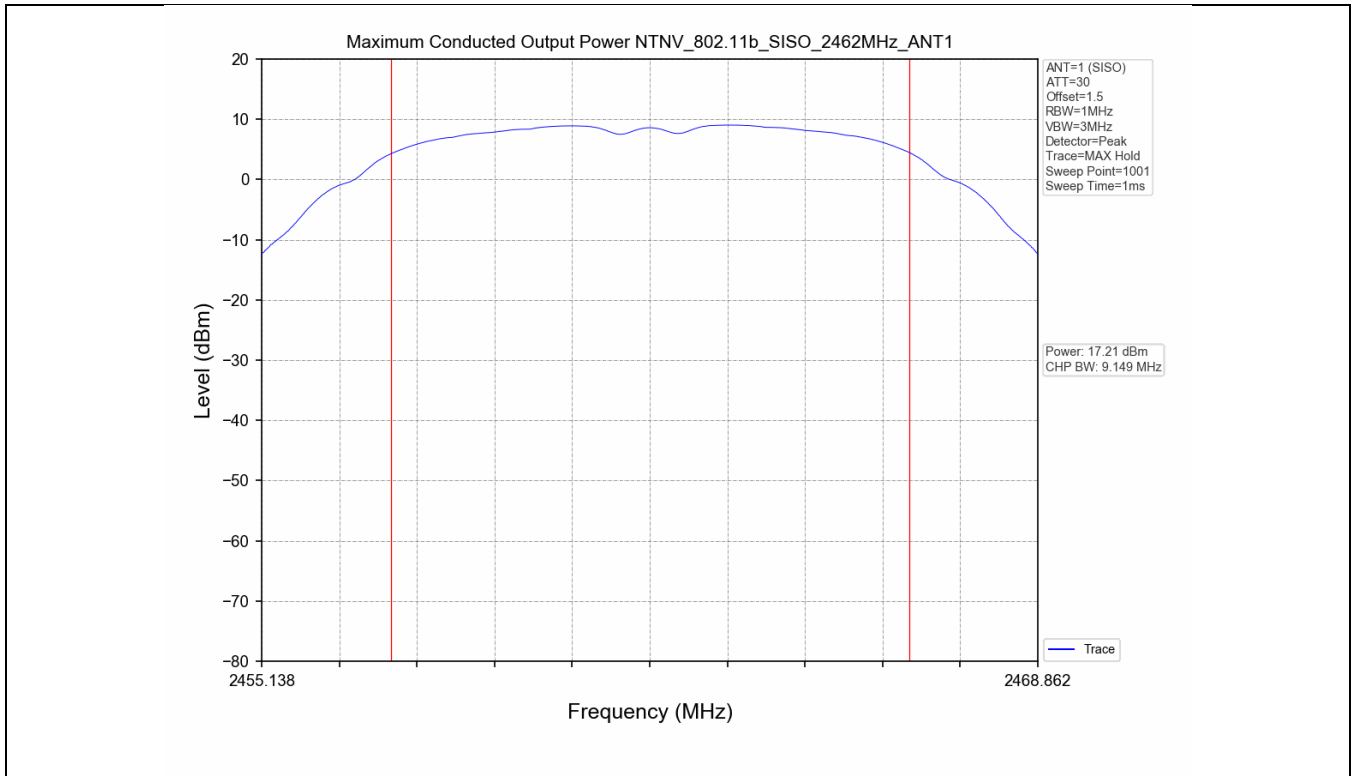
3. Maximum Conducted Output Power

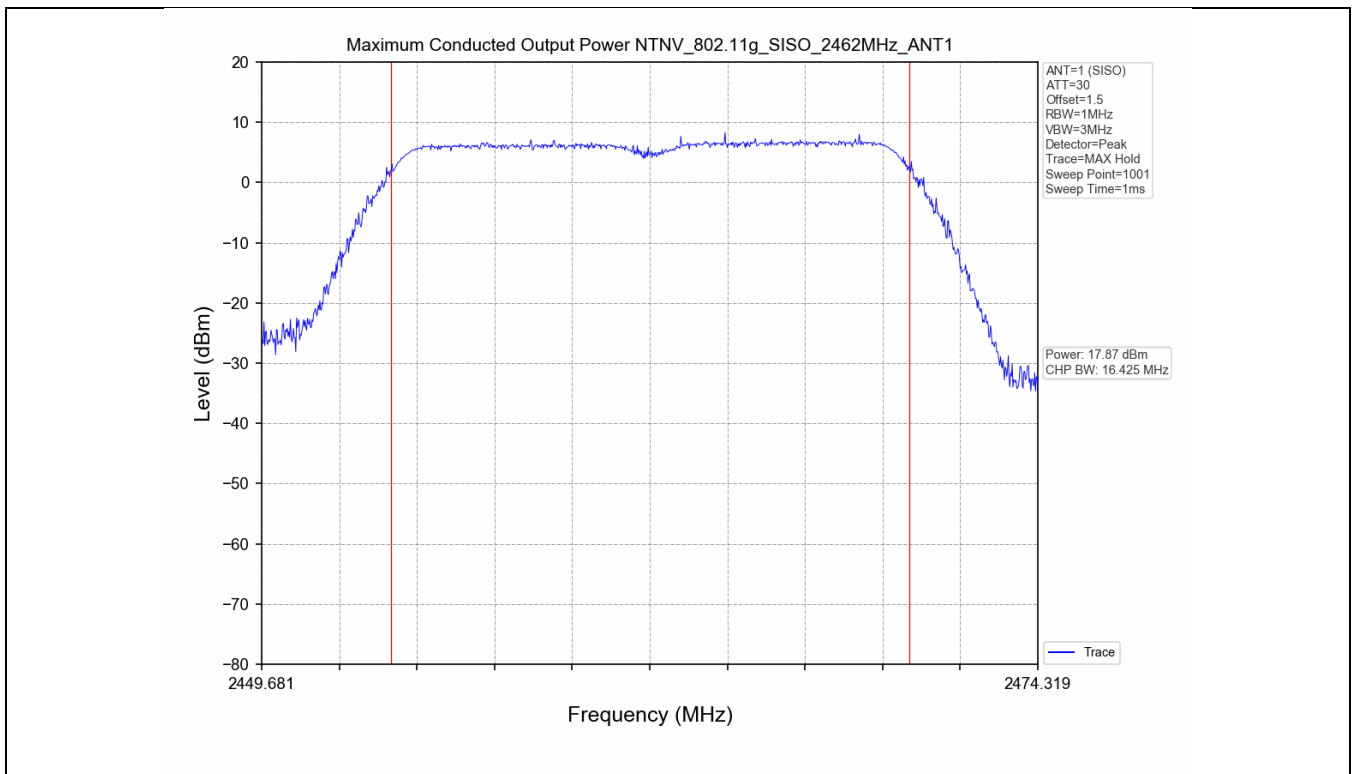
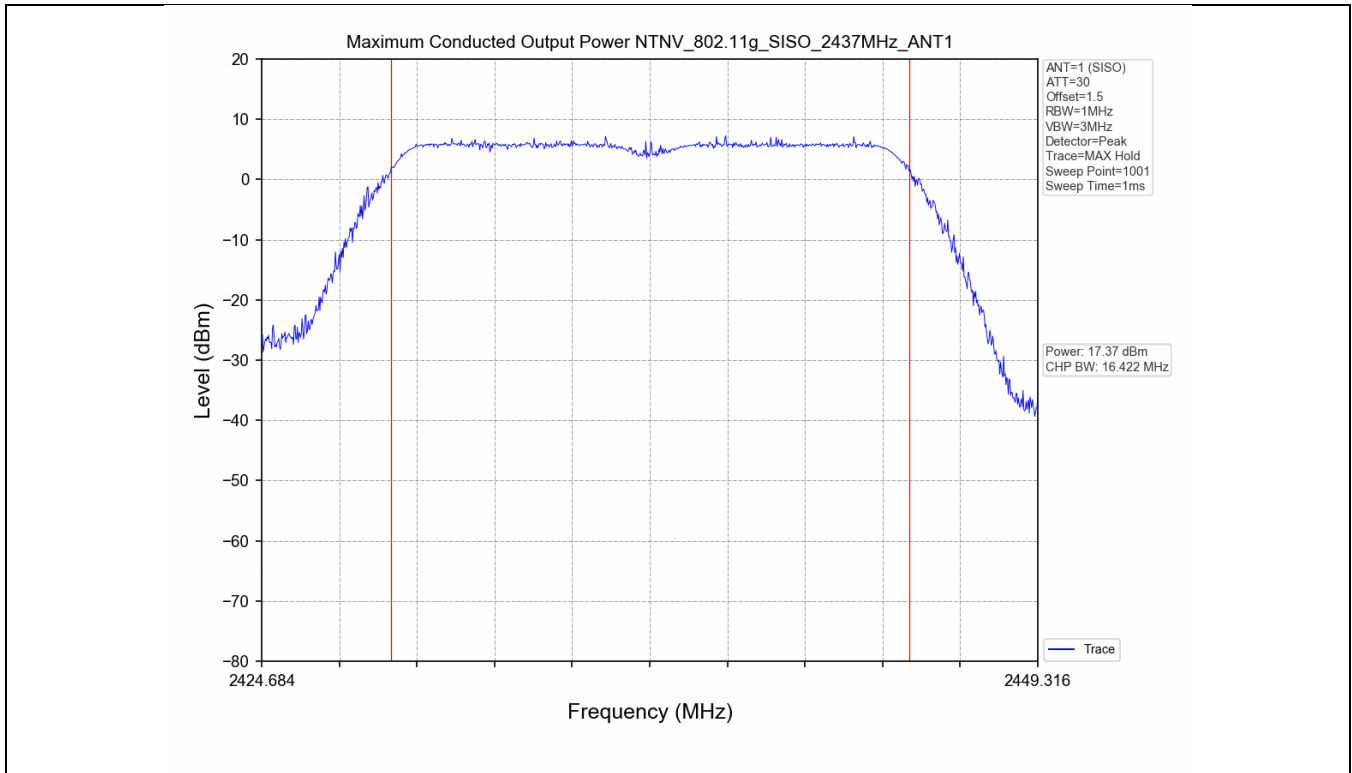
3.1 Test Result

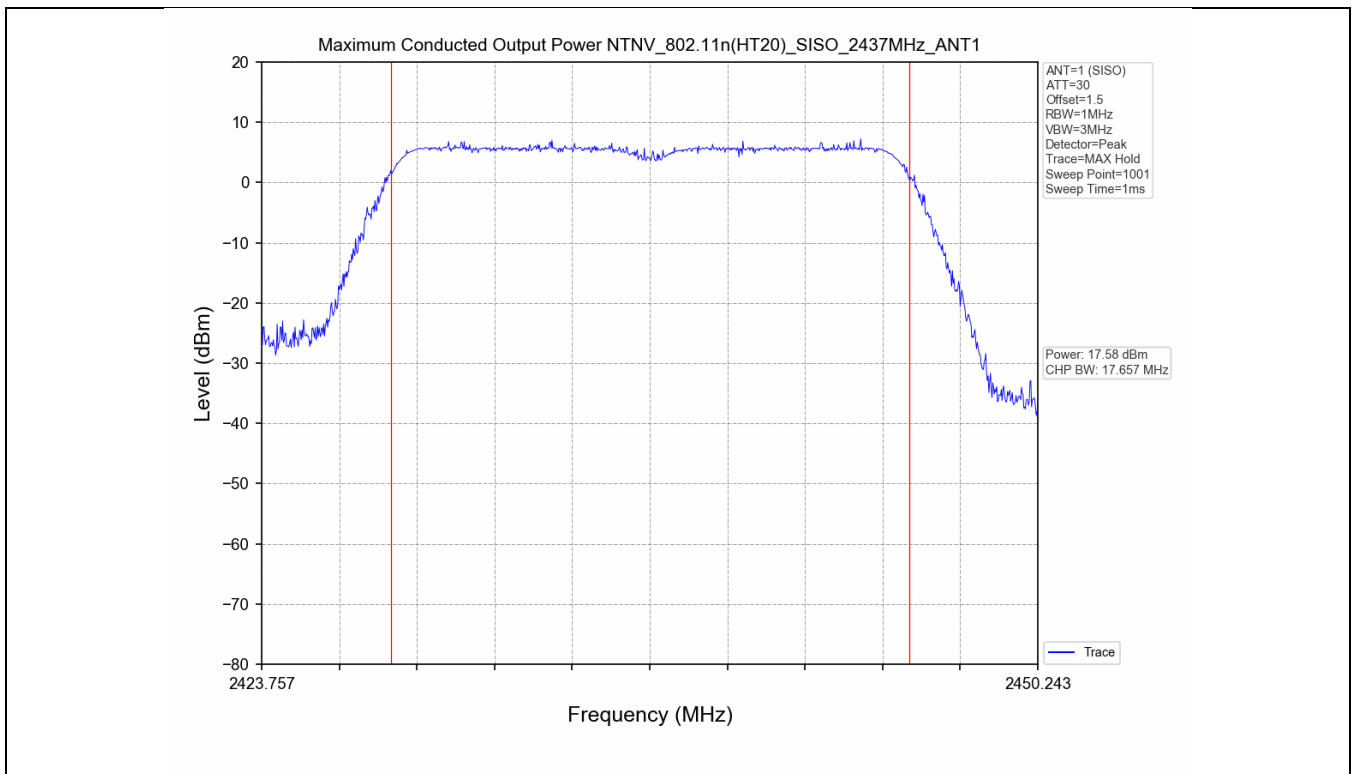
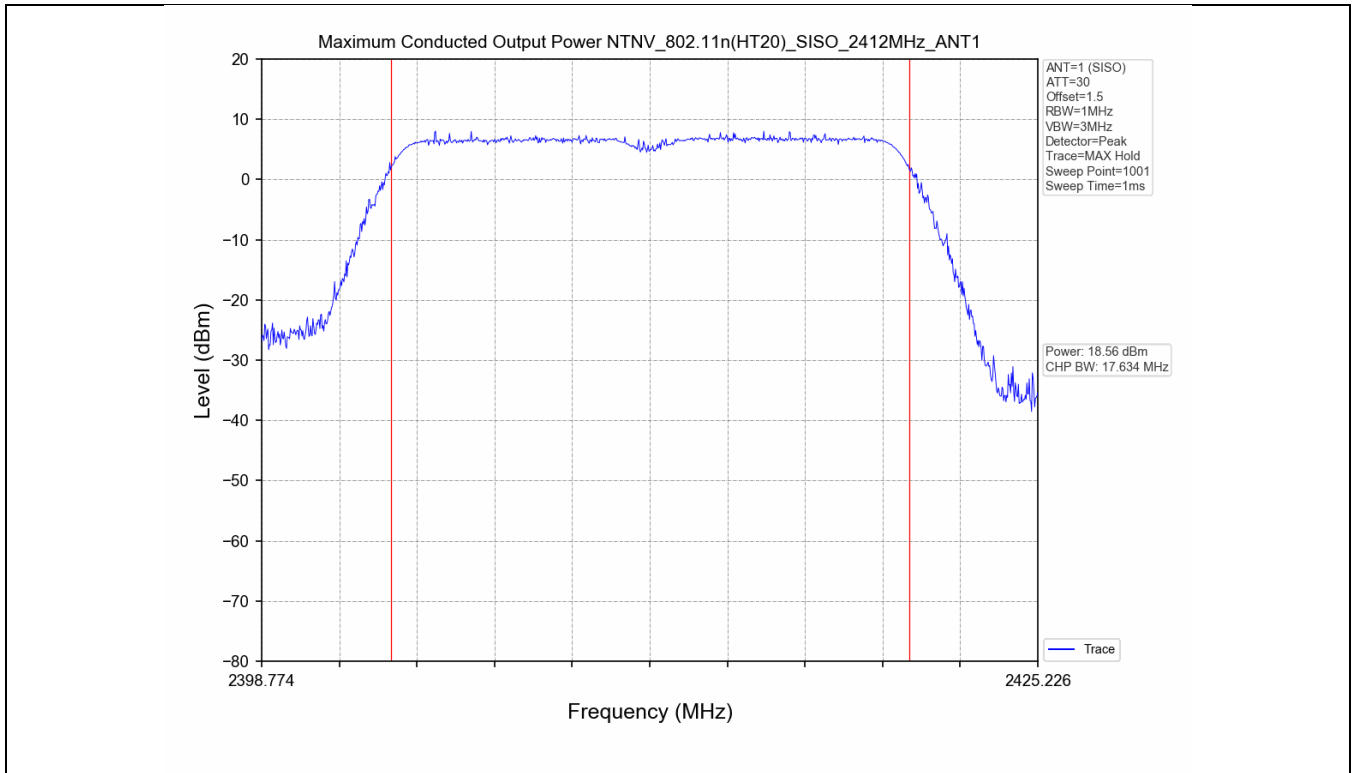
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	18.06	30	PASS
	2437	SISO	17.24	30	PASS
	2462	SISO	17.21	30	PASS
802.11g	2412	SISO	18.28	30	PASS
	2437	SISO	17.37	30	PASS
	2462	SISO	17.87	30	PASS
802.11n(HT20)	2412	SISO	18.56	30	PASS
	2437	SISO	17.58	30	PASS
	2462	SISO	18.11	30	PASS

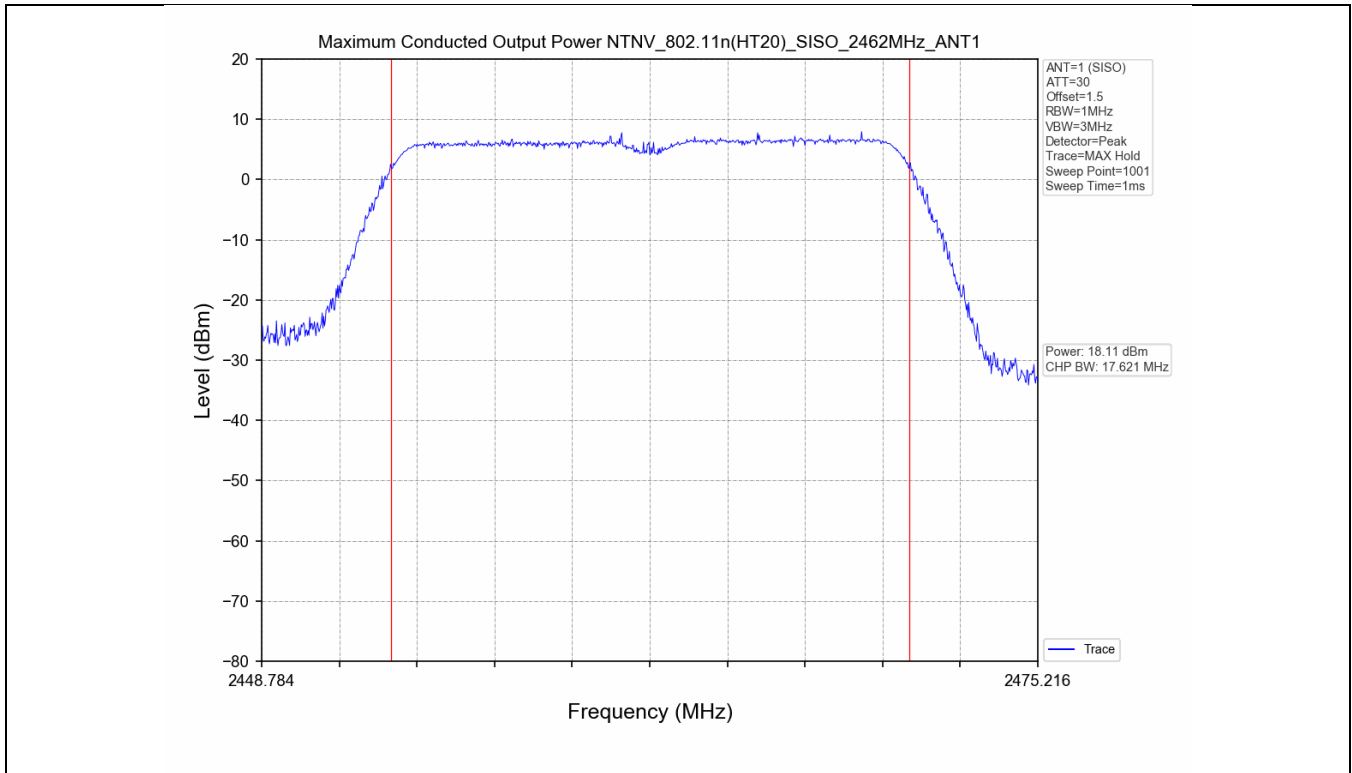
3.2 Test Graph









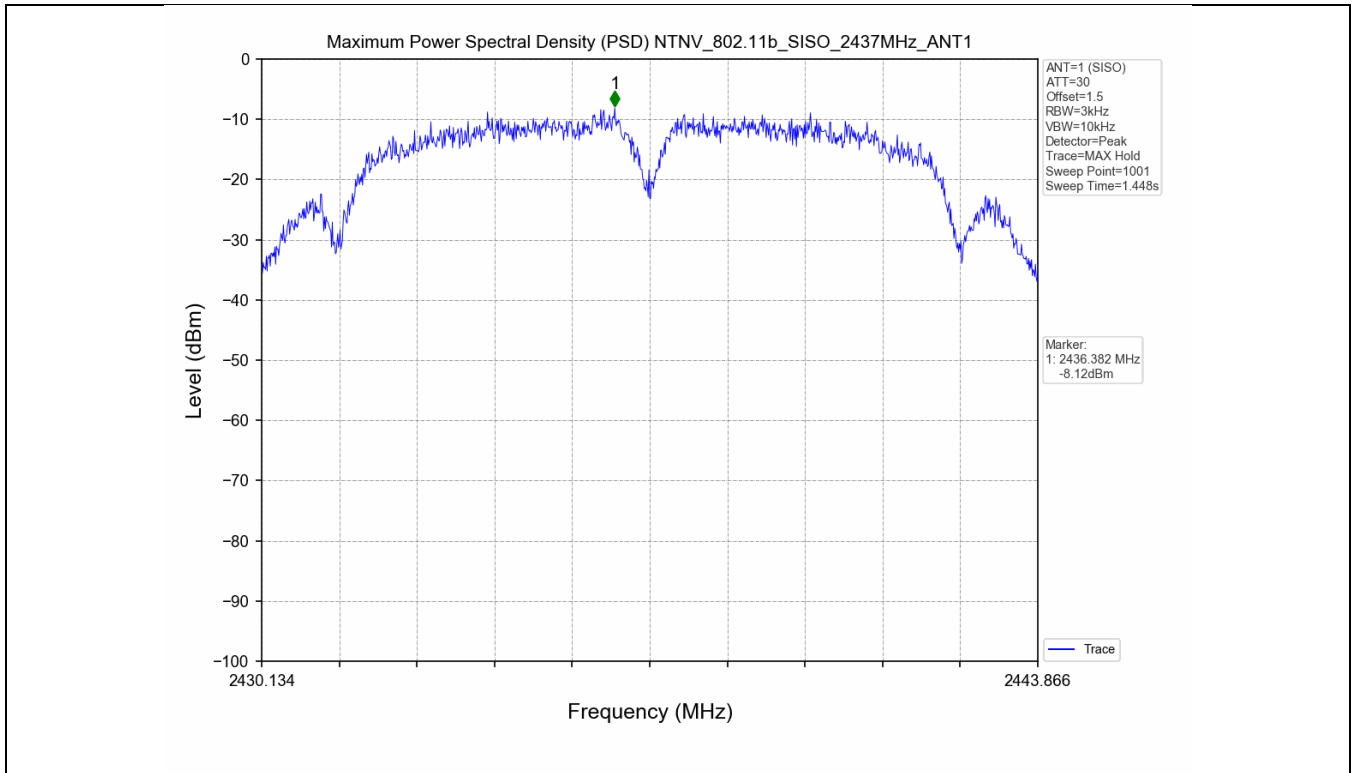
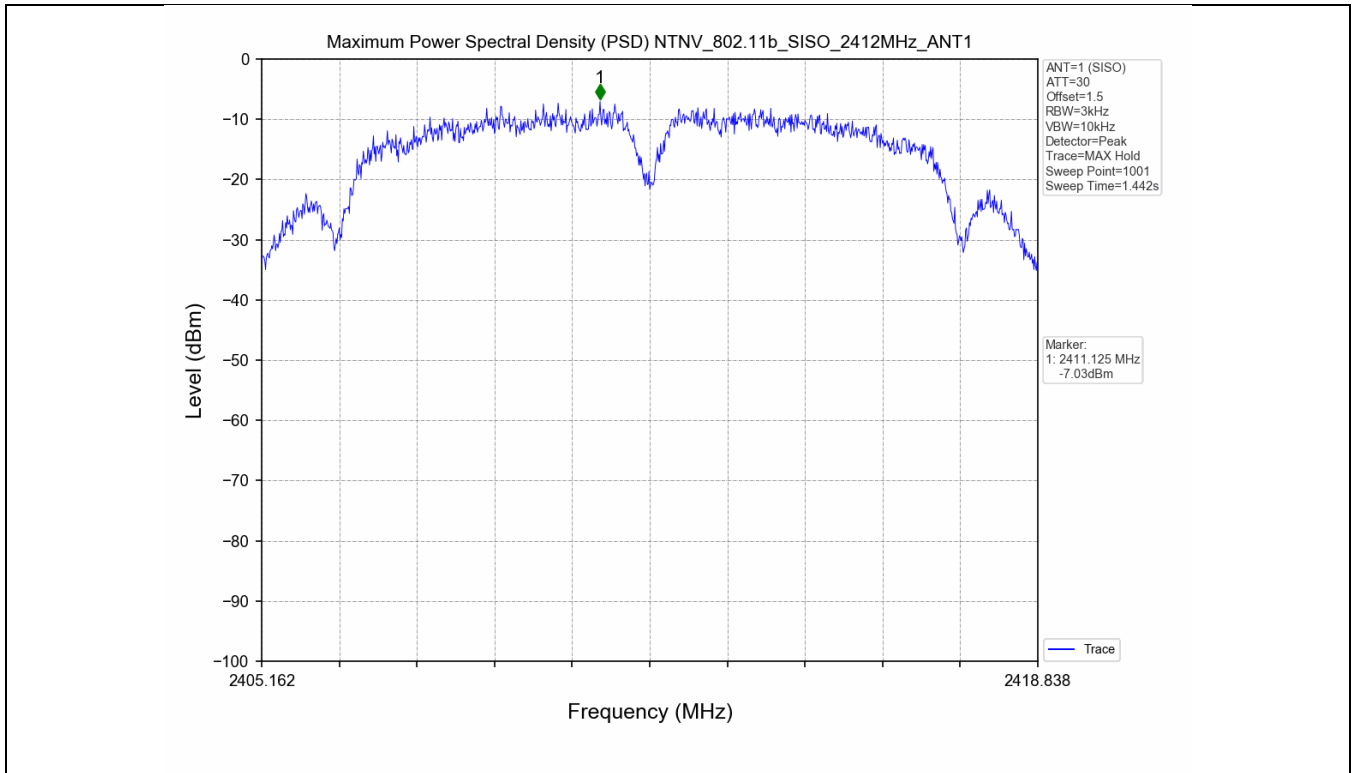


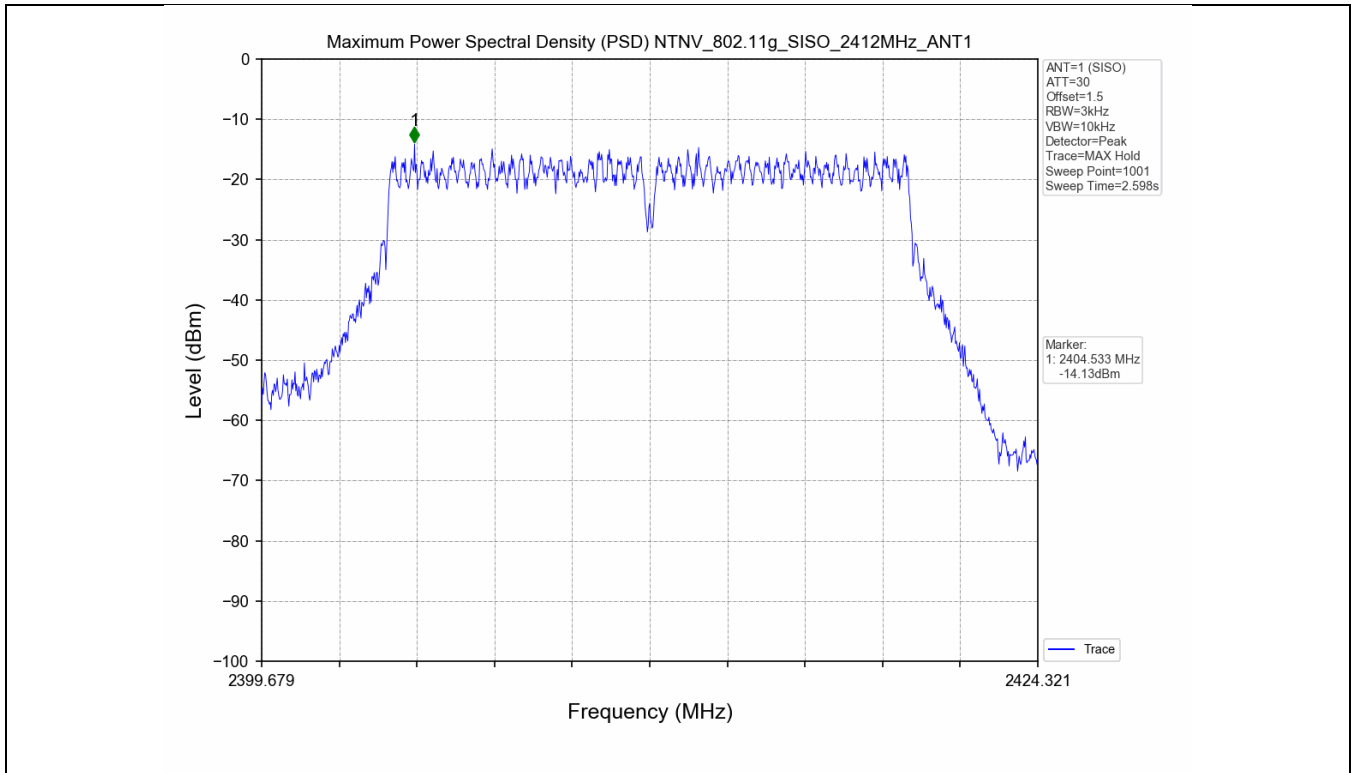
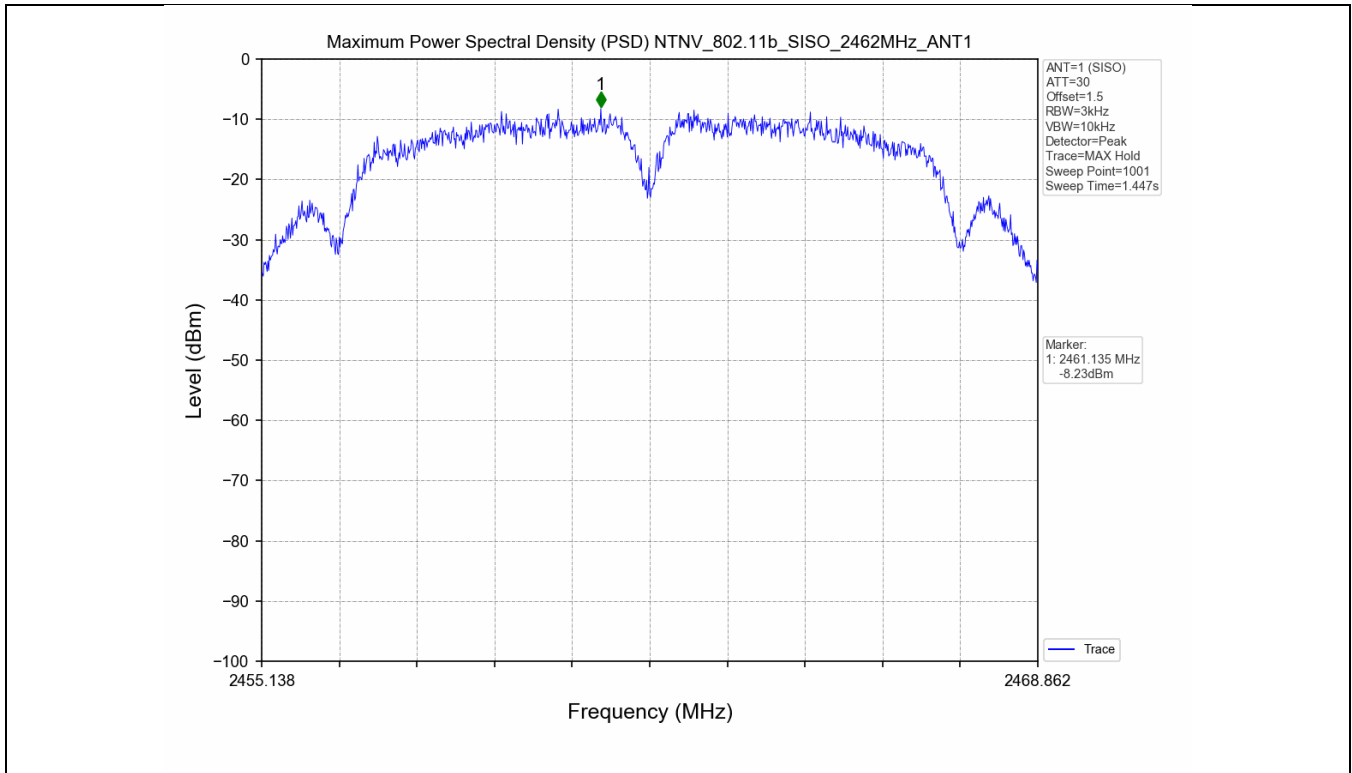
4. Maximum Power Spectral Density (PSD)

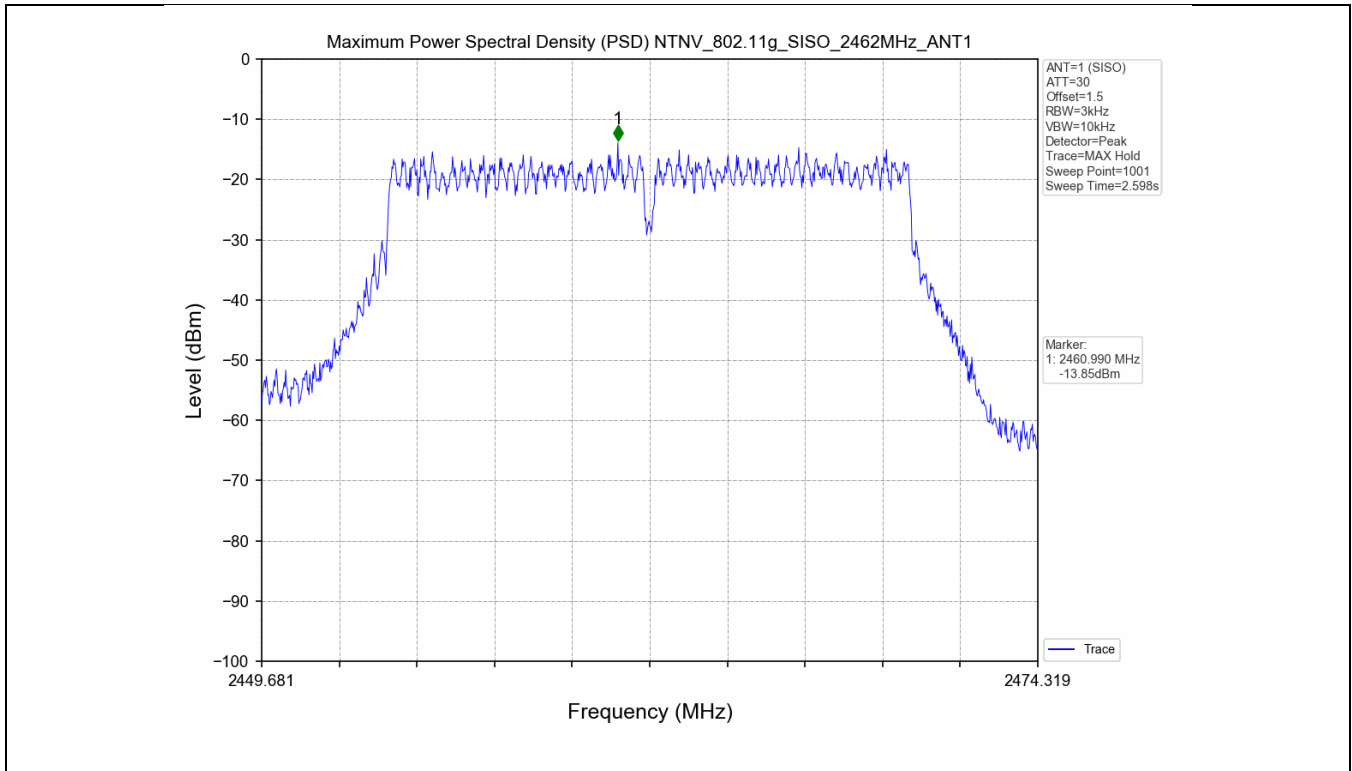
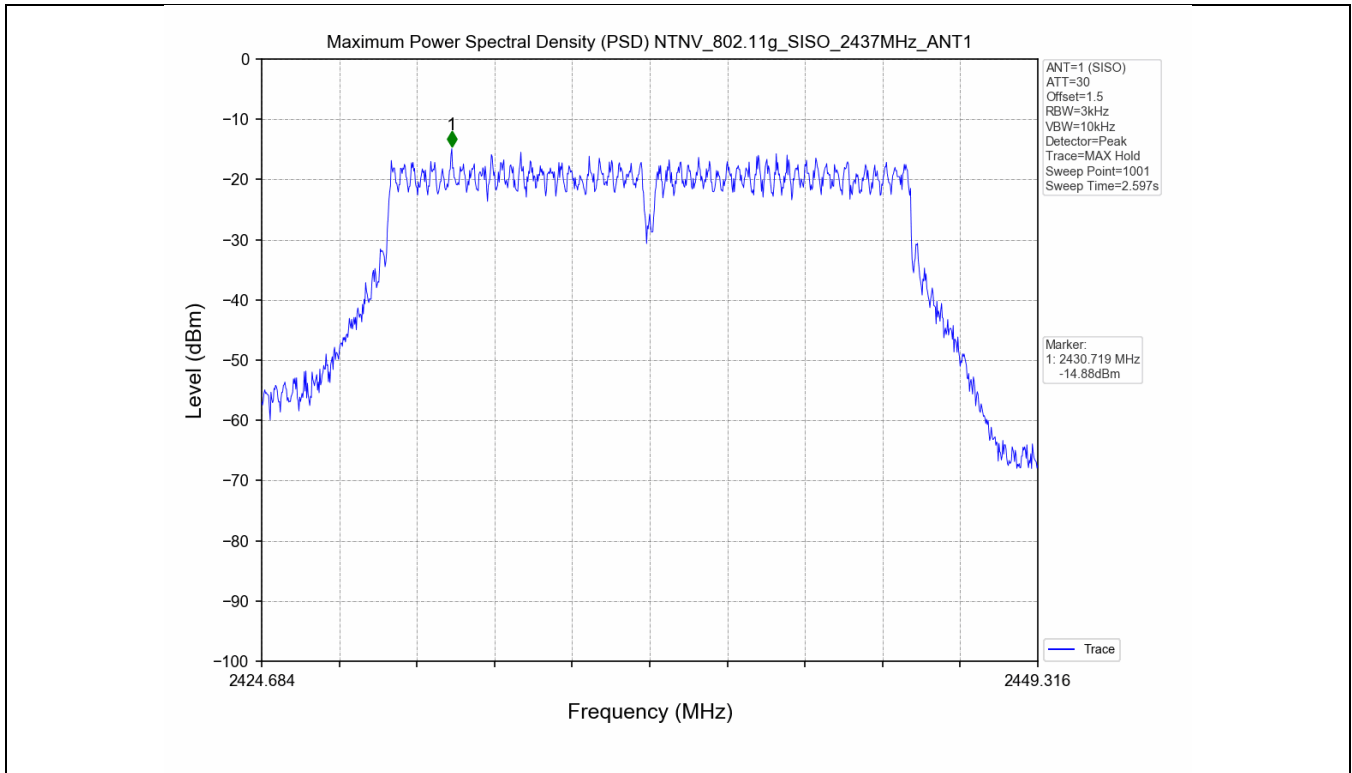
4.1 Test Result

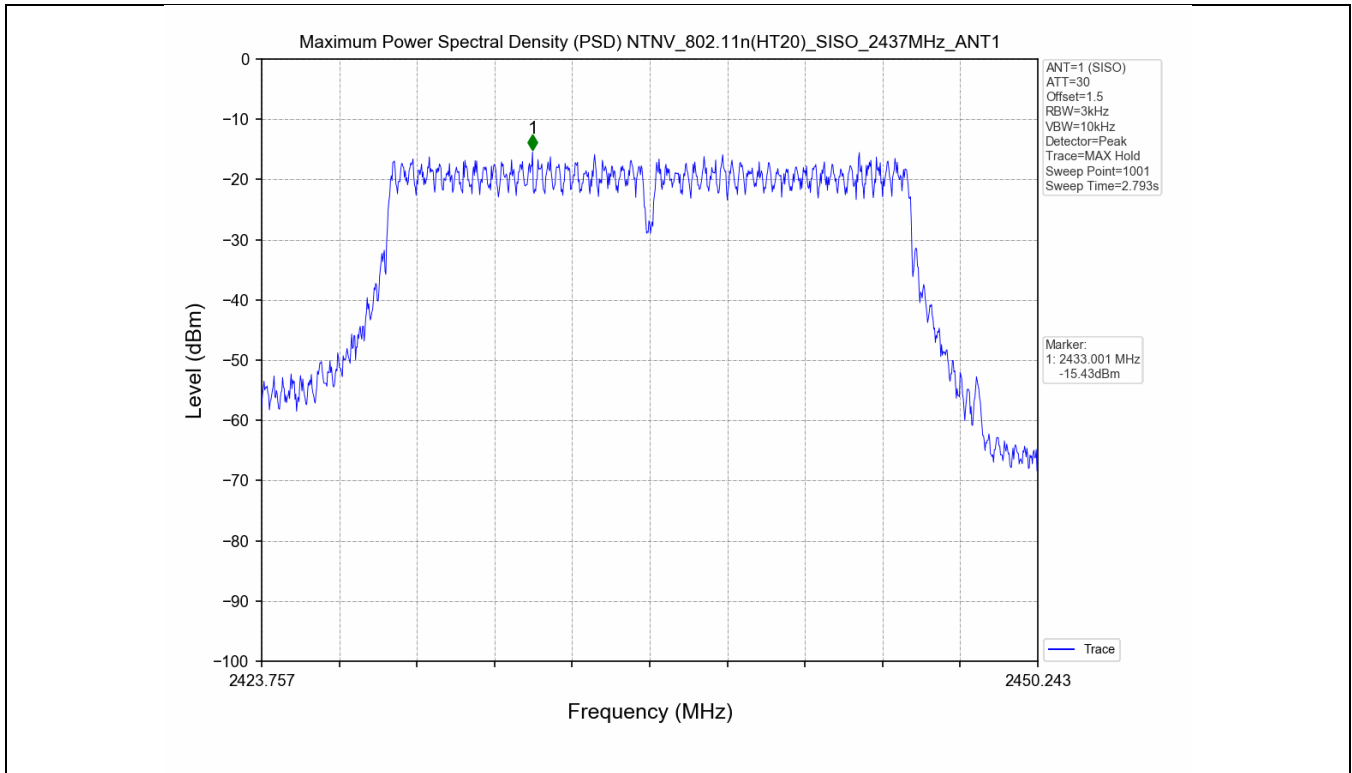
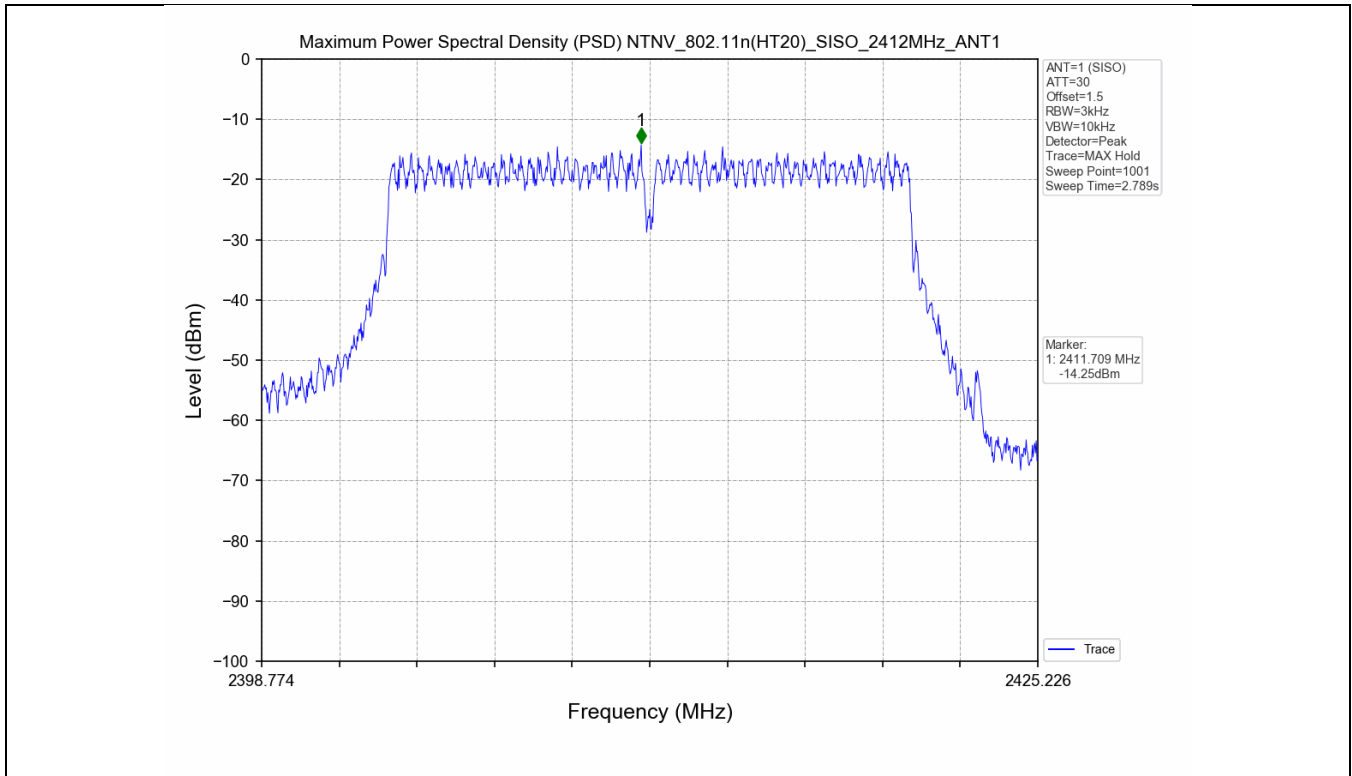
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.03	≤8	PASS
	2437	SISO	-8.12	≤8	PASS
	2462	SISO	-8.23	≤8	PASS
802.11g	2412	SISO	-14.13	≤8	PASS
	2437	SISO	-14.88	≤8	PASS
	2462	SISO	-13.85	≤8	PASS
802.11n(HT20)	2412	SISO	-14.25	≤8	PASS
	2437	SISO	-15.43	≤8	PASS
	2462	SISO	-14.67	≤8	PASS

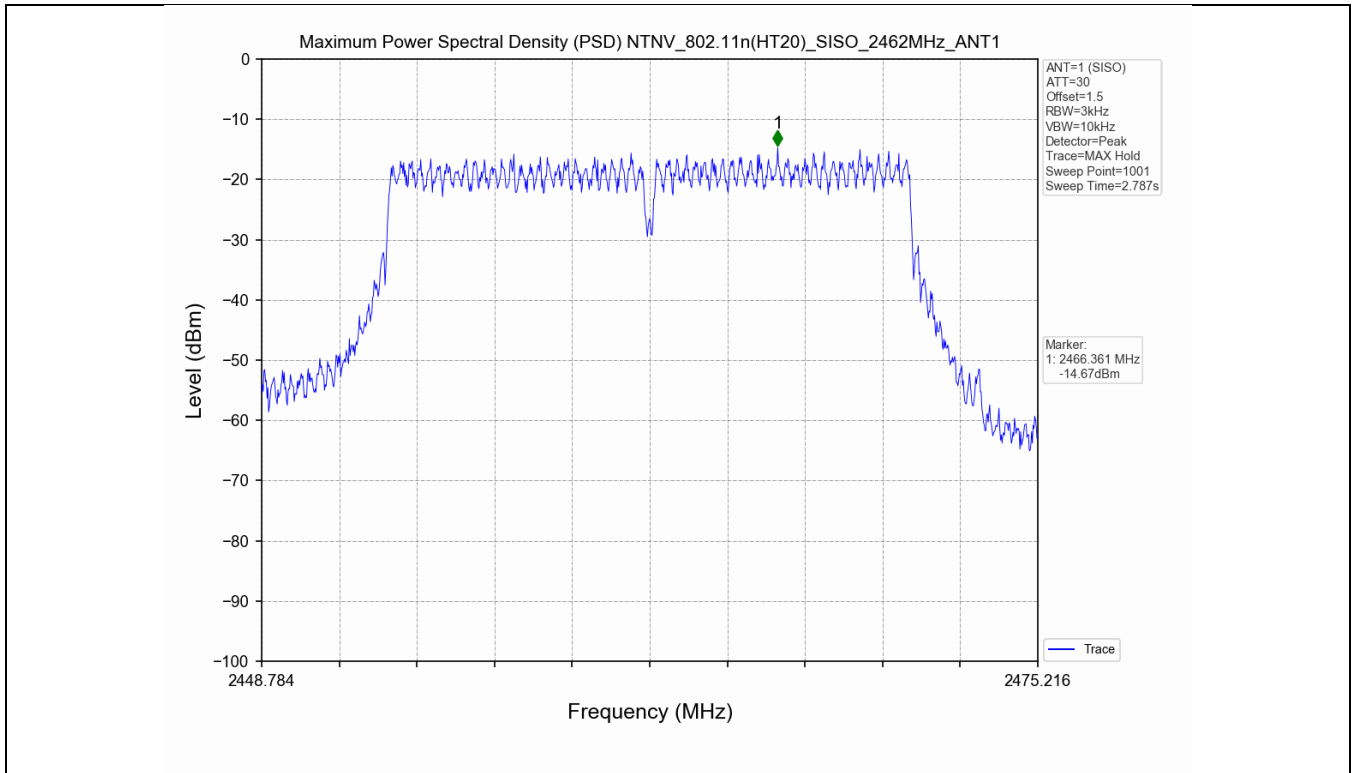
4.2 Test Graph











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	-10.45	PASS
	2437	SISO	1	Refer to test graph	-10.45	PASS
	2462	SISO	1	Refer to test graph	-10.45	PASS
802.11g	2412	SISO	1	Refer to test graph	-20.90	PASS
	2437	SISO	1	Refer to test graph	-20.90	PASS
	2462	SISO	1	Refer to test graph	-20.90	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.30	PASS
	2437	SISO	1	Refer to test graph	-18.30	PASS
	2462	SISO	1	Refer to test graph	-18.30	PASS

5.2 Test Graph

