

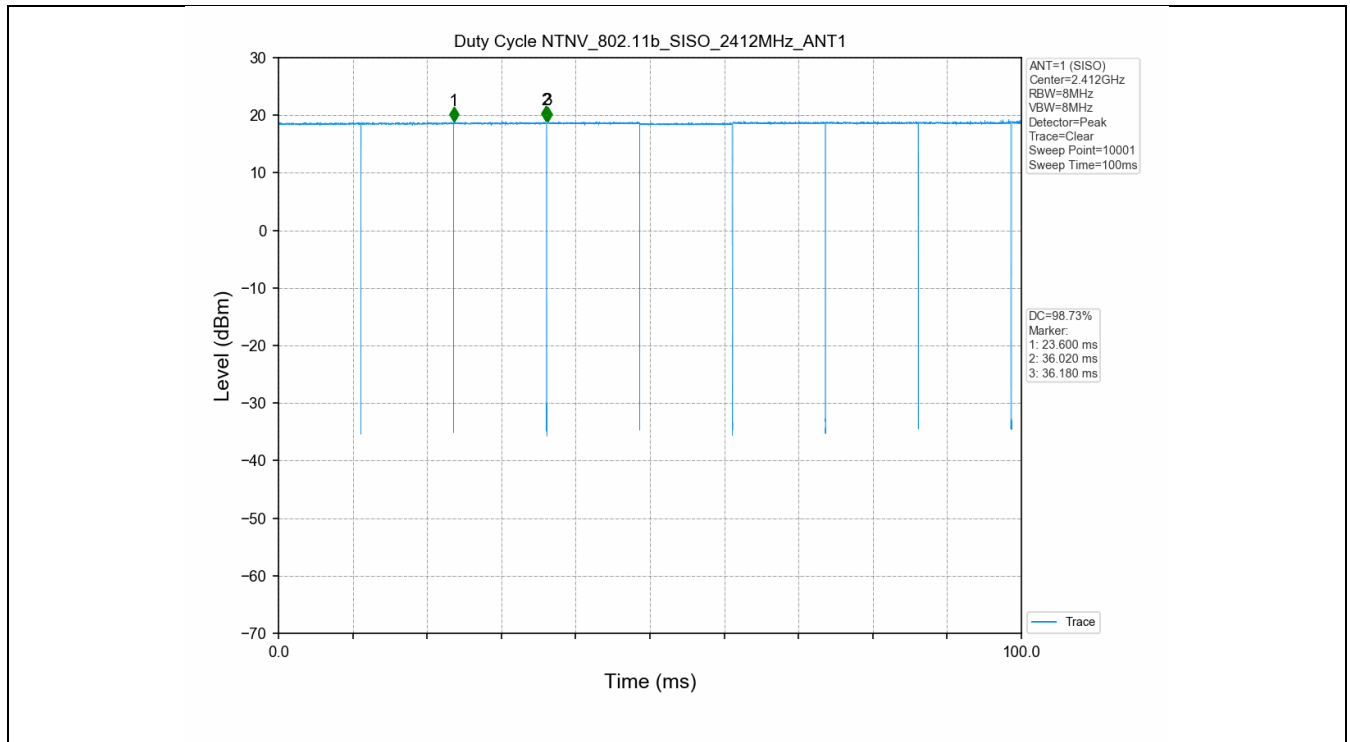
Appendix A for SHEM200800709401

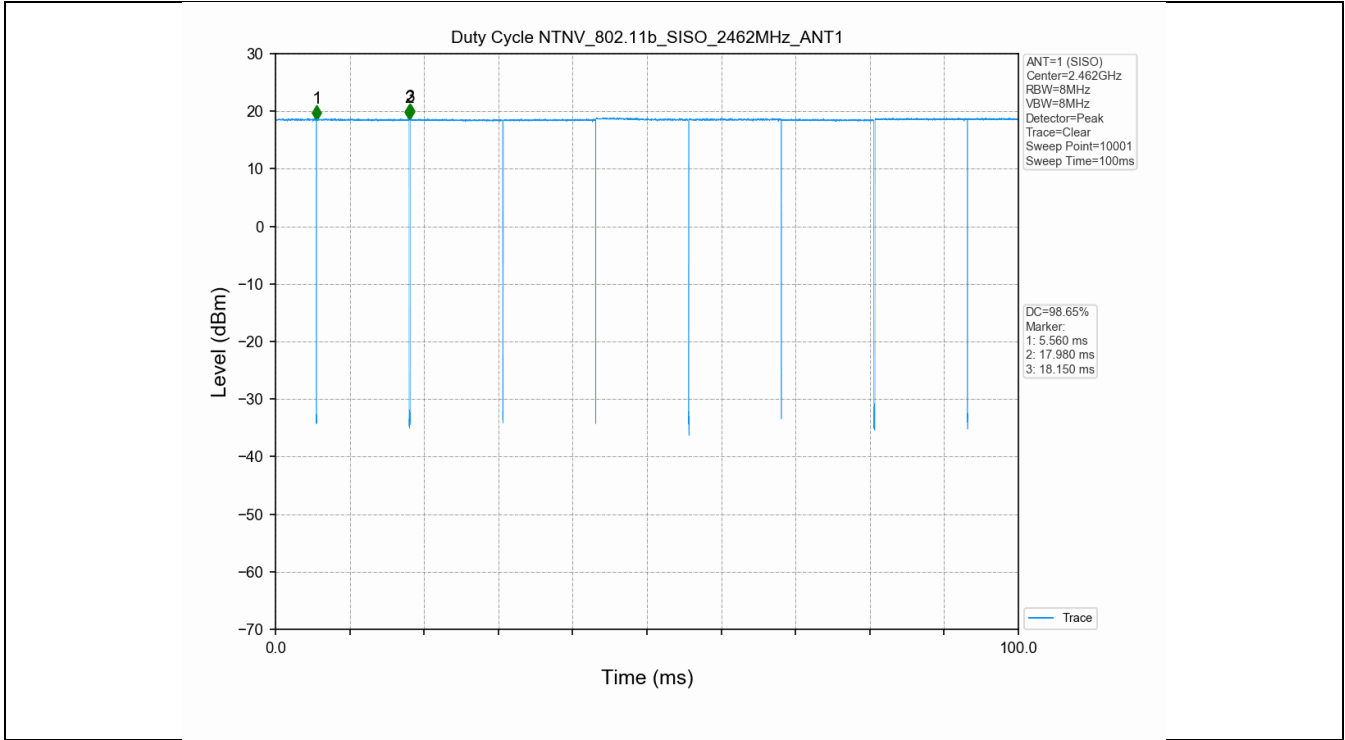
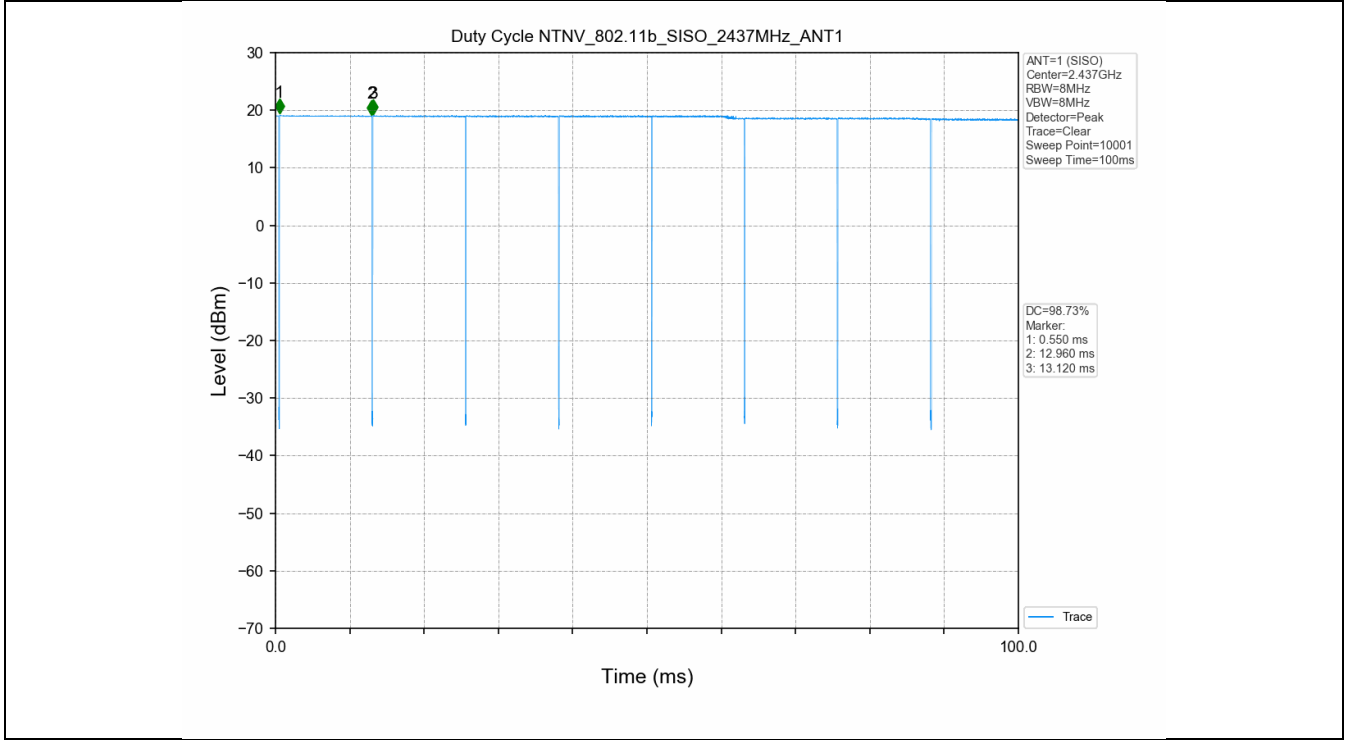
1. Duty Cycle

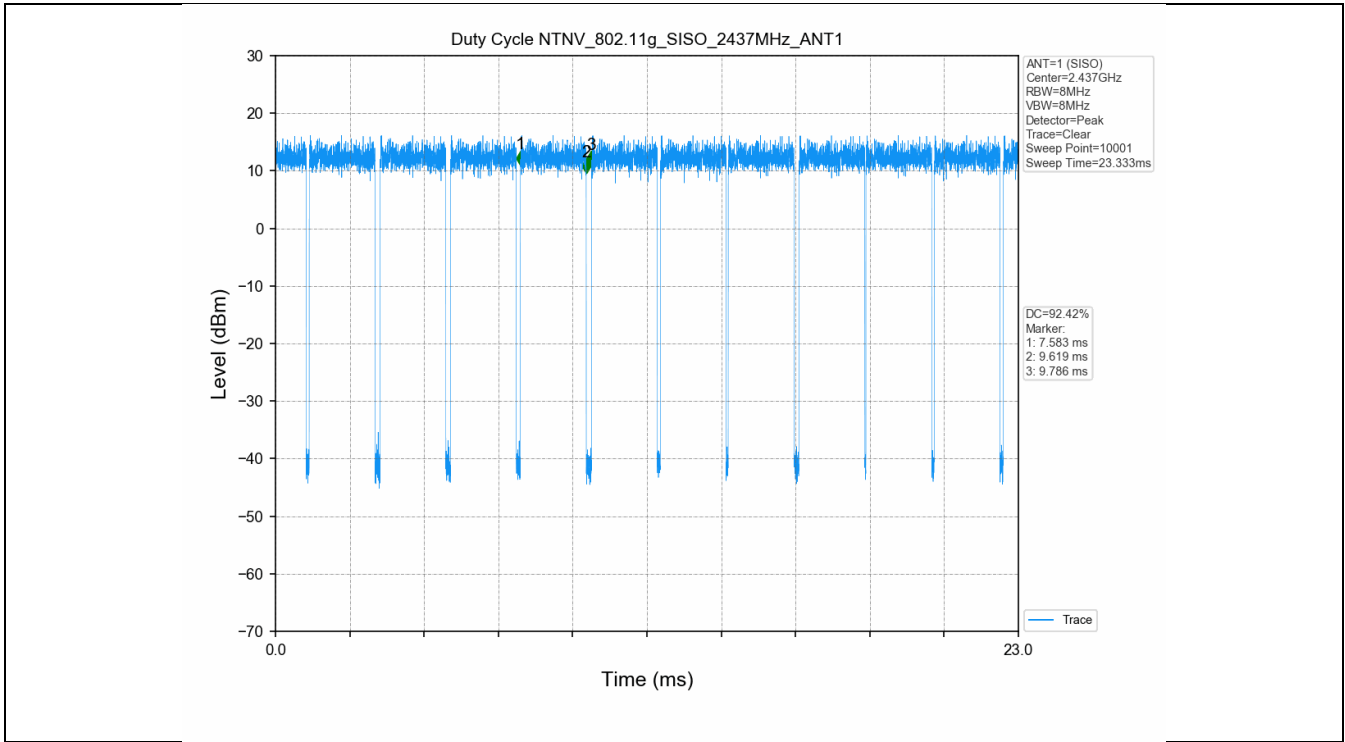
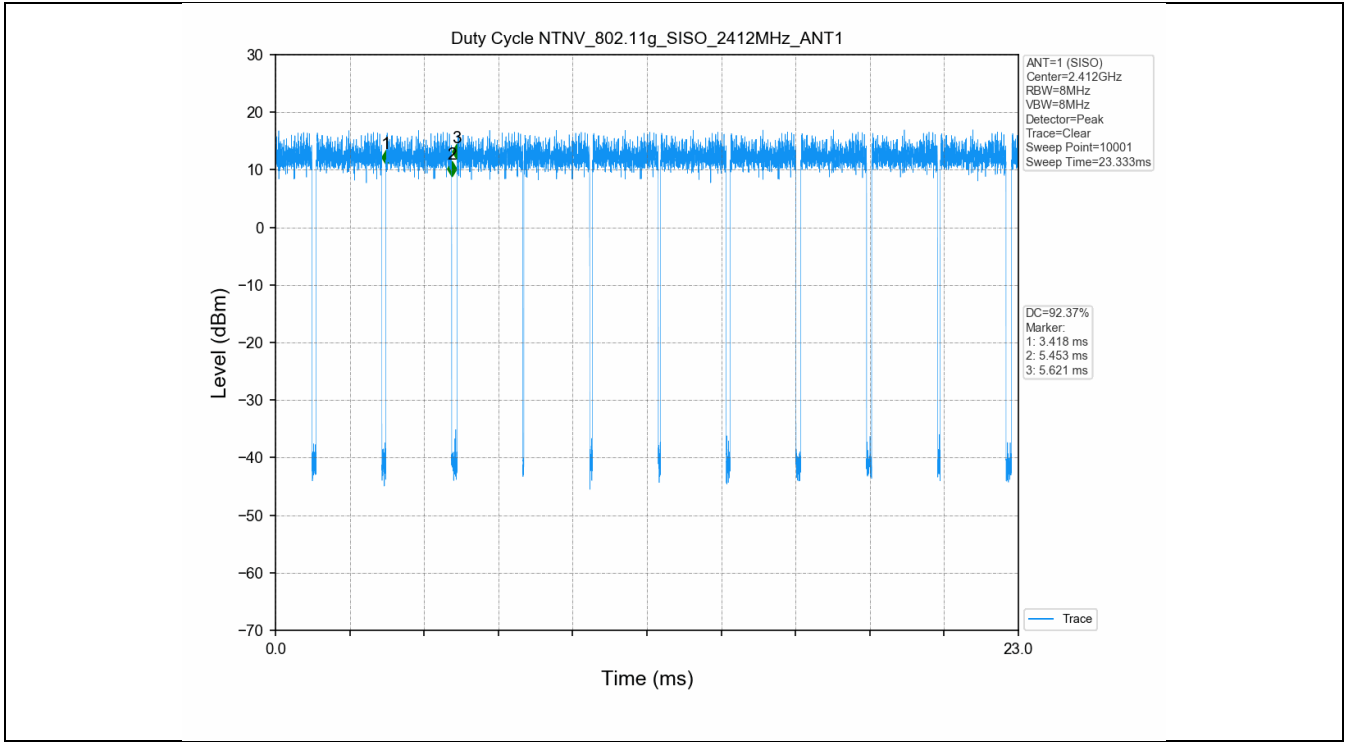
1.1 Test Result

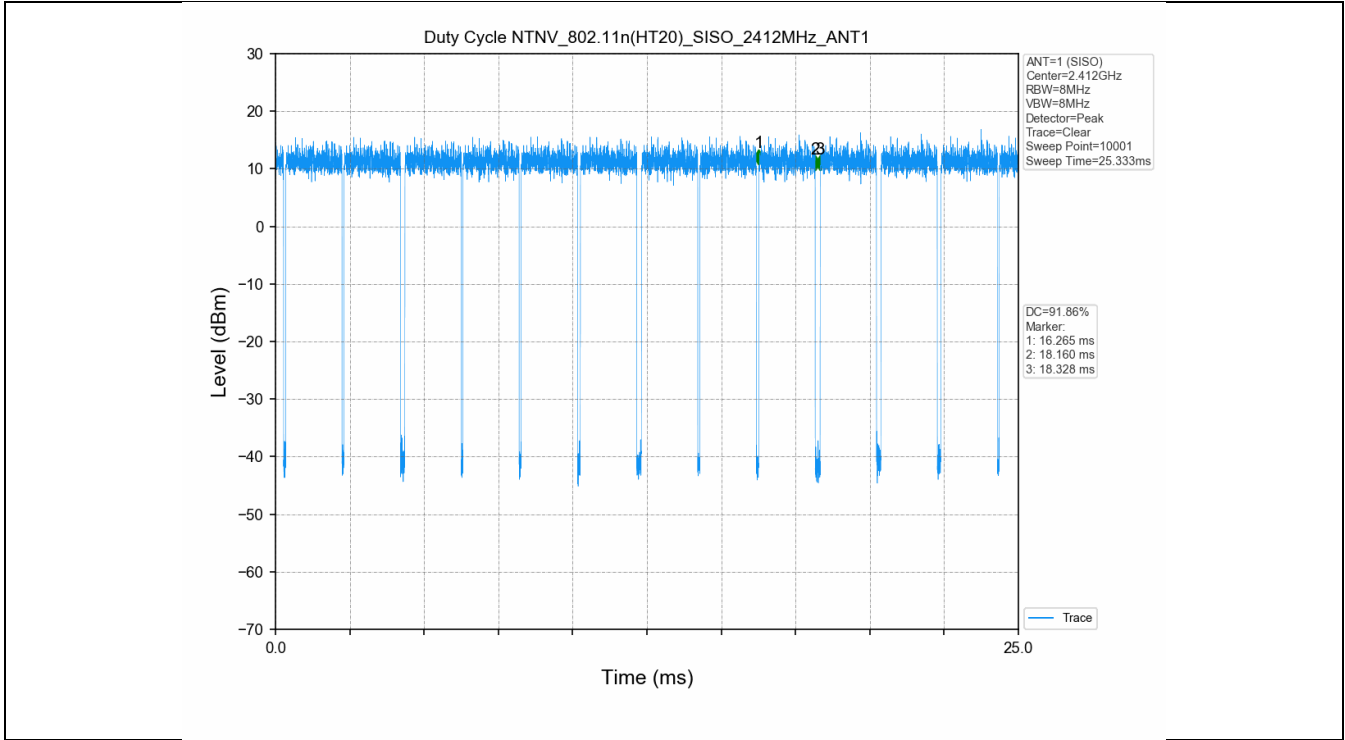
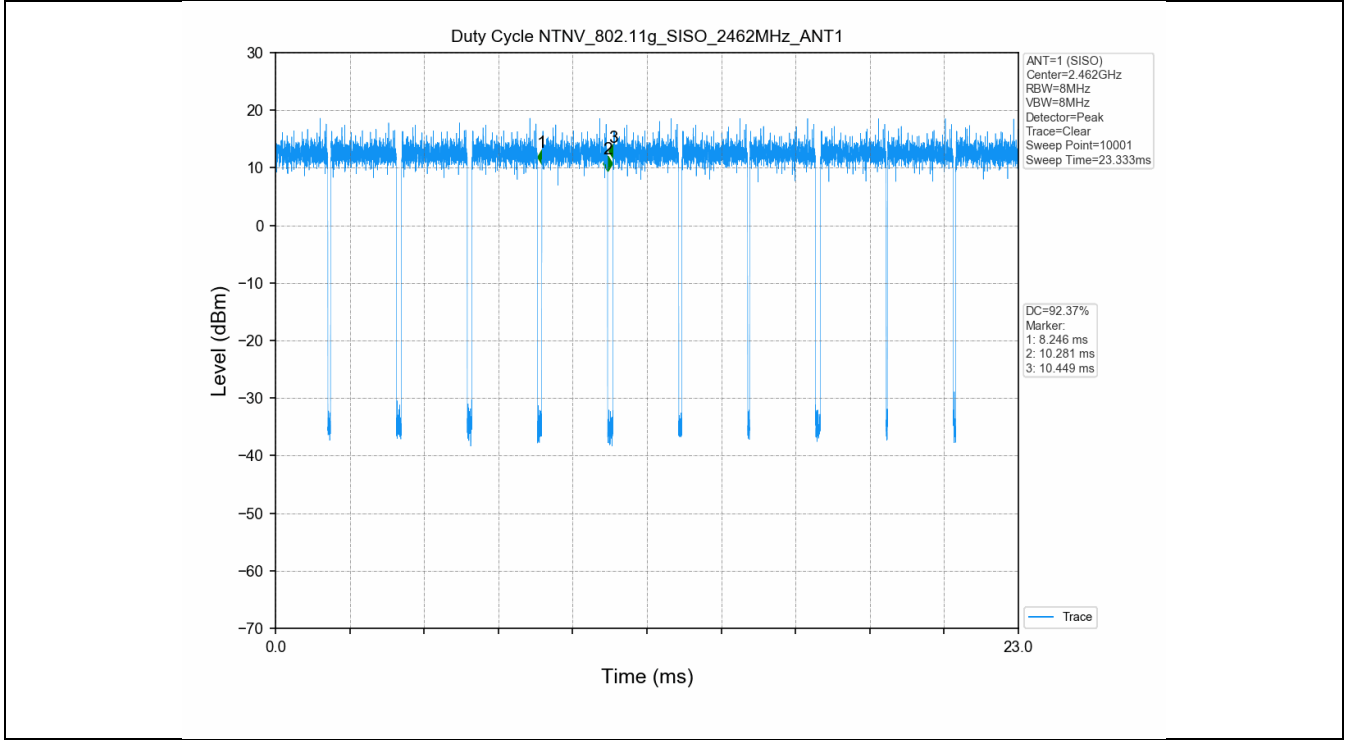
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.580	98.73	0.06
	2437	SISO	1	12.410	12.570	98.73	0.06
	2462	SISO	1	12.420	12.590	98.65	0.06
802.11g	2412	SISO	1	2.035	2.203	92.37	0.34
	2437	SISO	1	2.036	2.203	92.42	0.34
	2462	SISO	1	2.035	2.203	92.37	0.34
802.11n(HT20)	2412	SISO	1	1.895	2.063	91.86	0.37
	2437	SISO	1	1.920	2.081	92.26	0.35
	2462	SISO	1	1.920	2.064	93.02	0.31

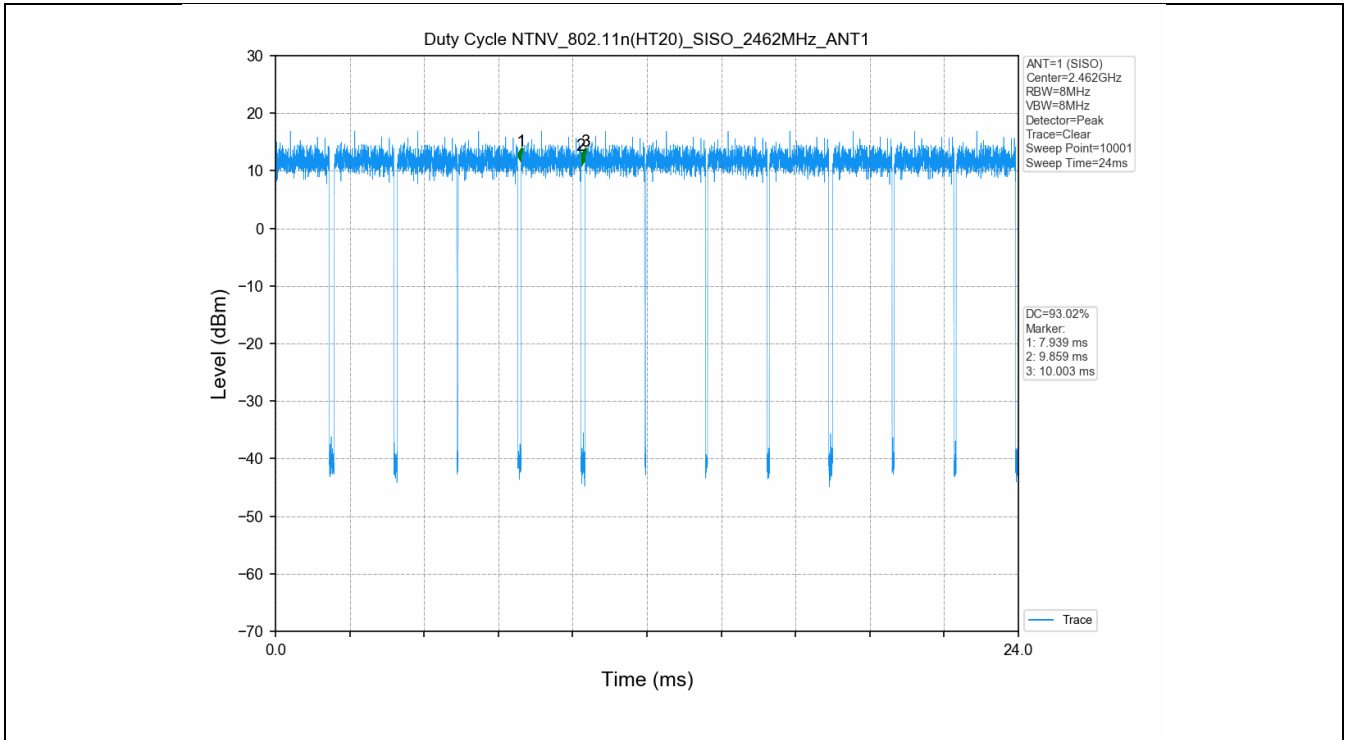
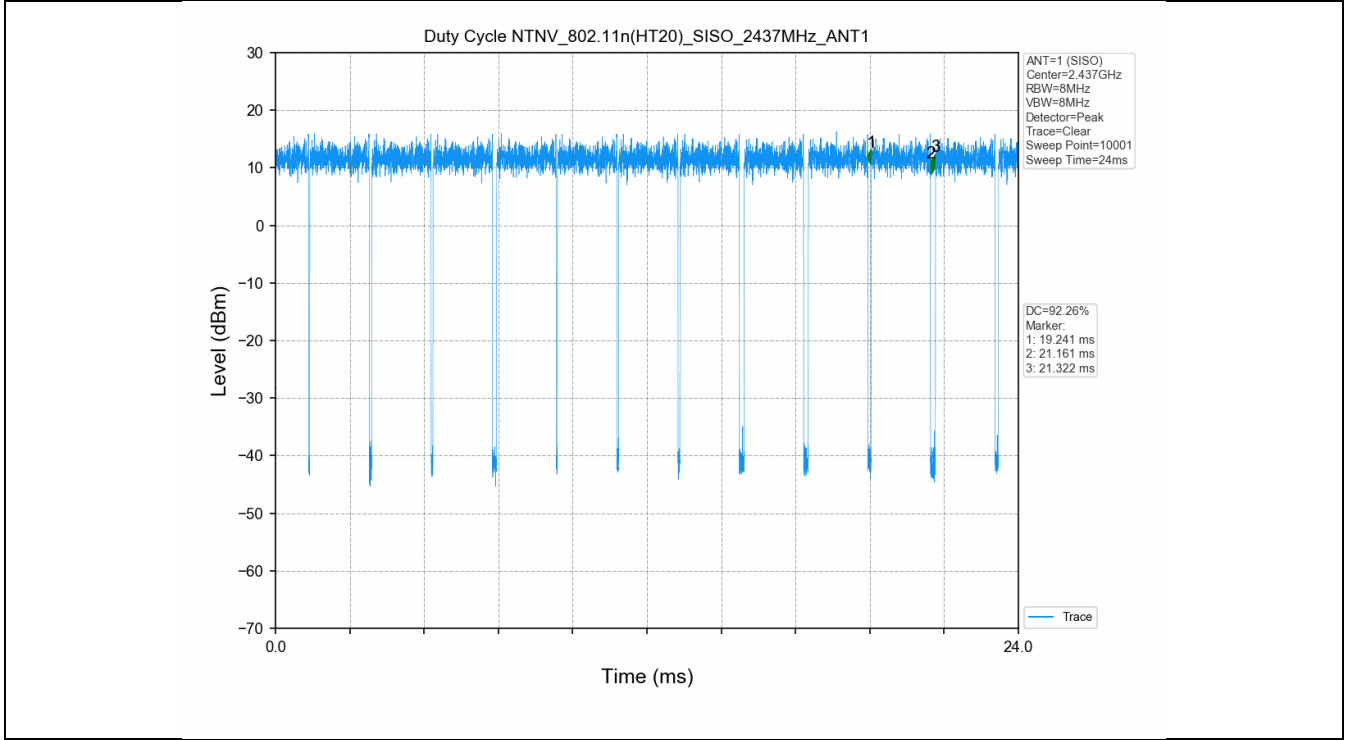
1.2 Test Graph











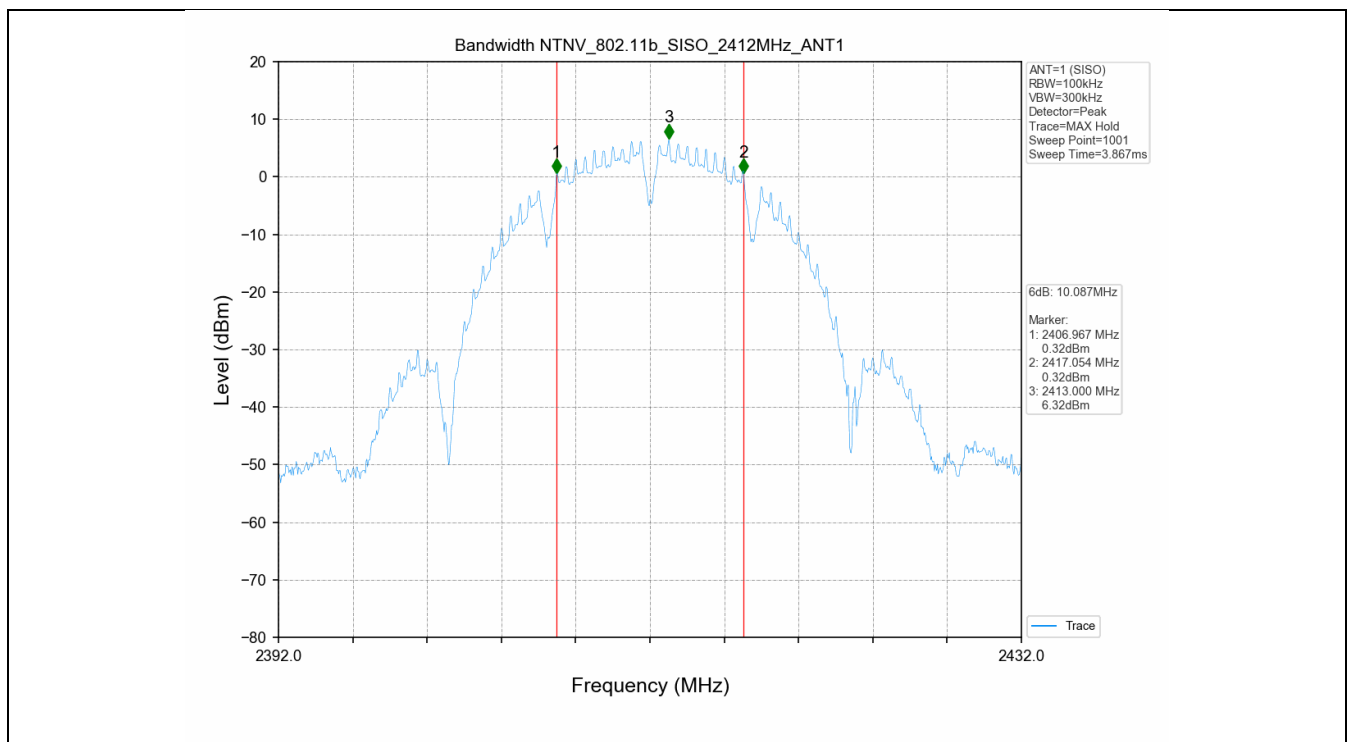
2. Bandwidth

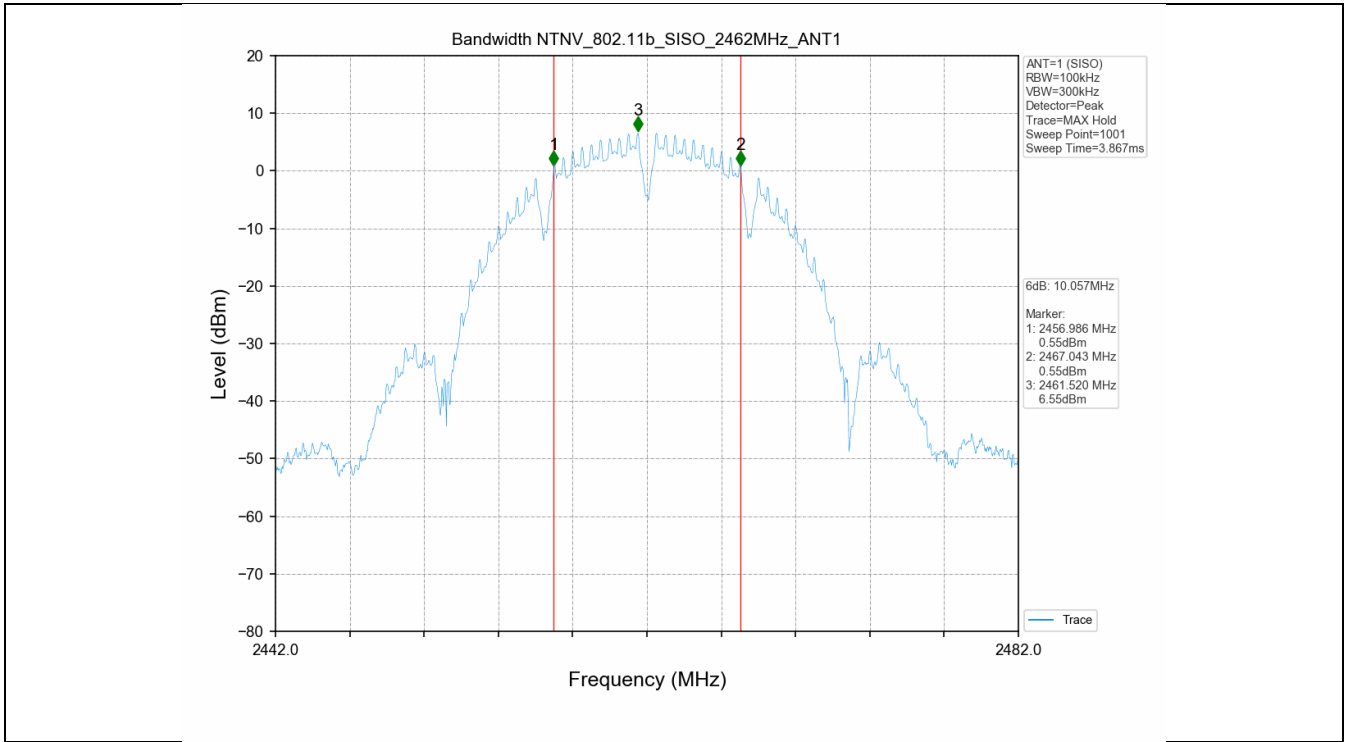
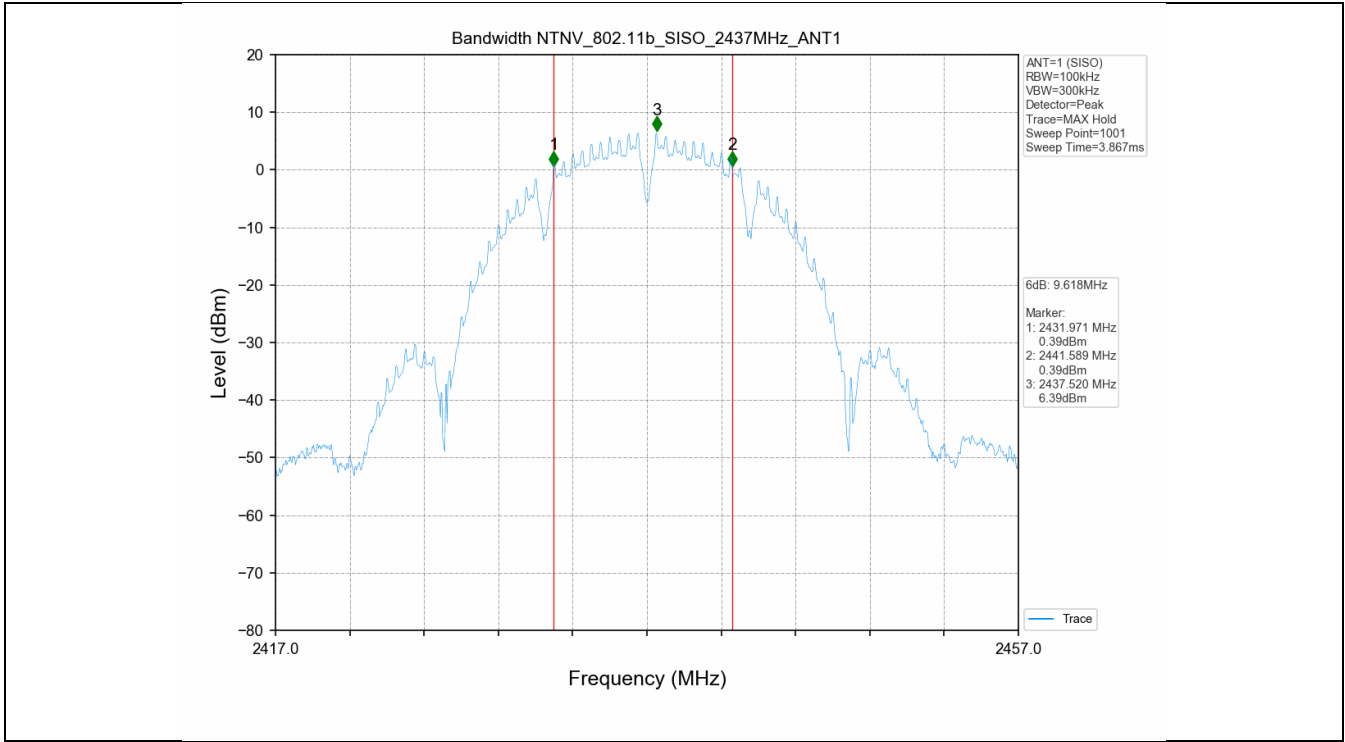
2.1 Test Result

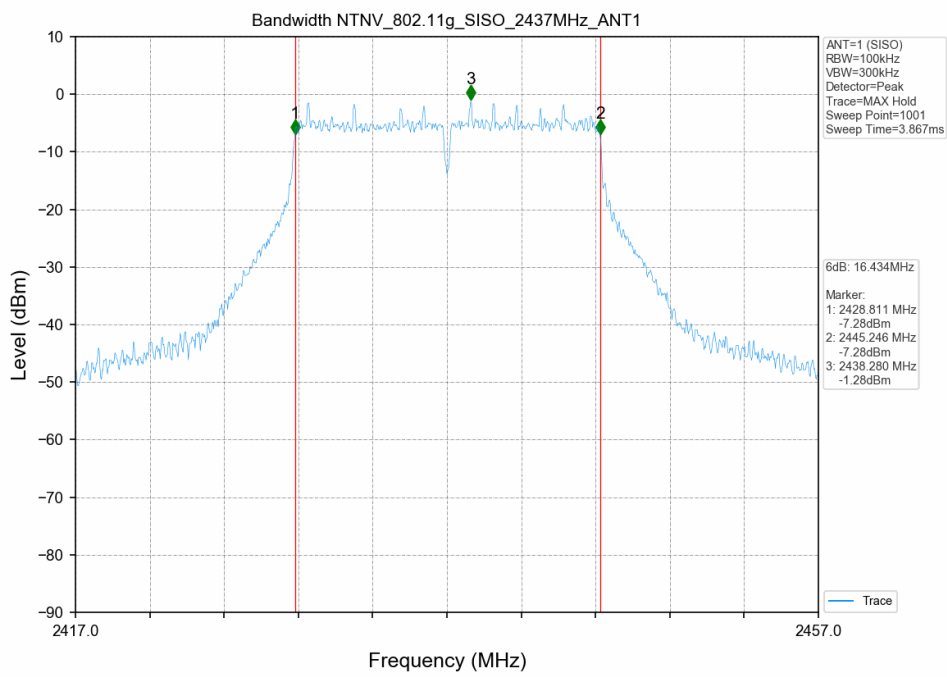
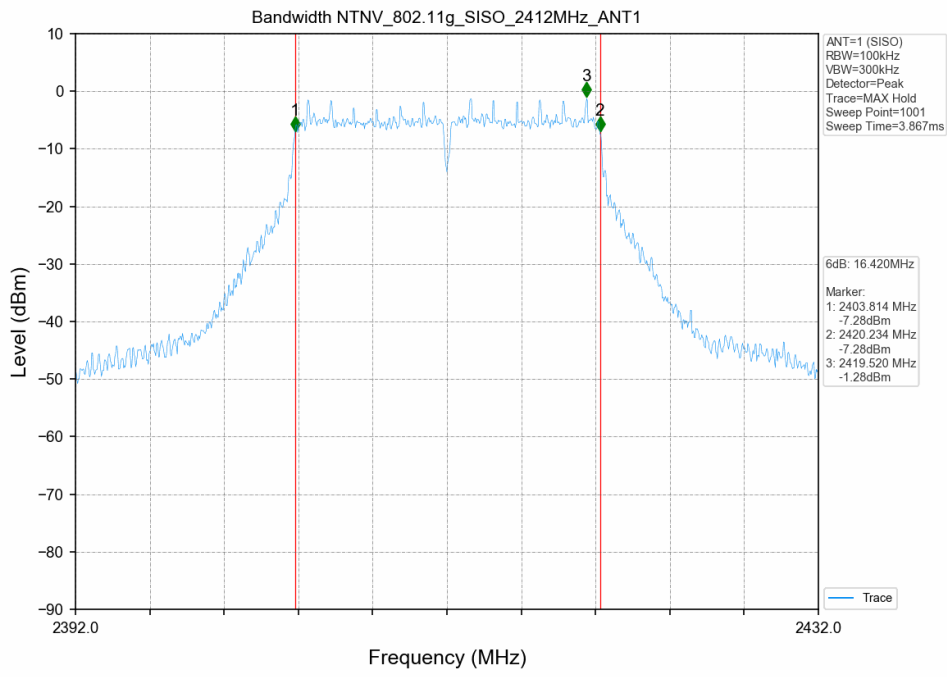
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.087	≥0.5	PASS
	2437	SISO	1	9.618	≥0.5	PASS
	2462	SISO	1	10.057	≥0.5	PASS
802.11g	2412	SISO	1	16.420	≥0.5	PASS
	2437	SISO	1	16.434	≥0.5	PASS
	2462	SISO	1	16.444	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.625	≥0.5	PASS
	2437	SISO	1	17.613	≥0.5	PASS
	2462	SISO	1	17.626	≥0.5	PASS

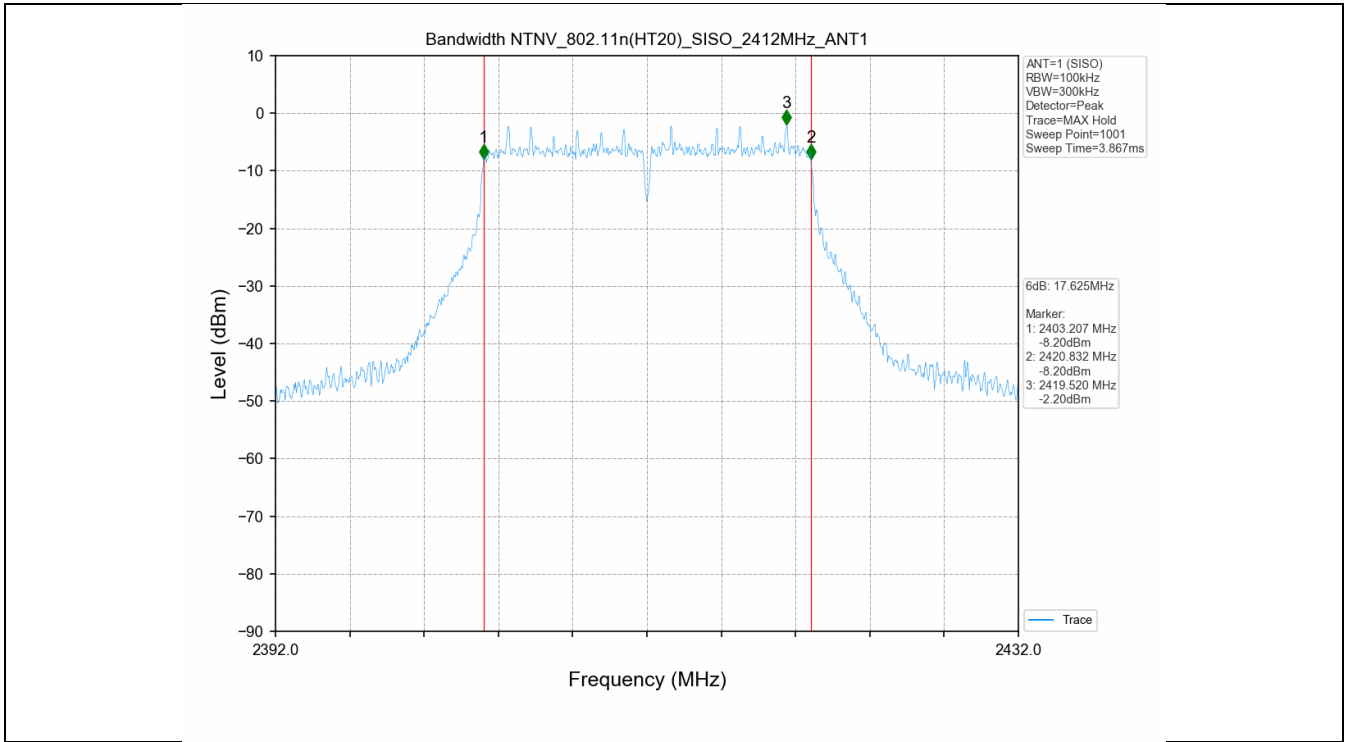
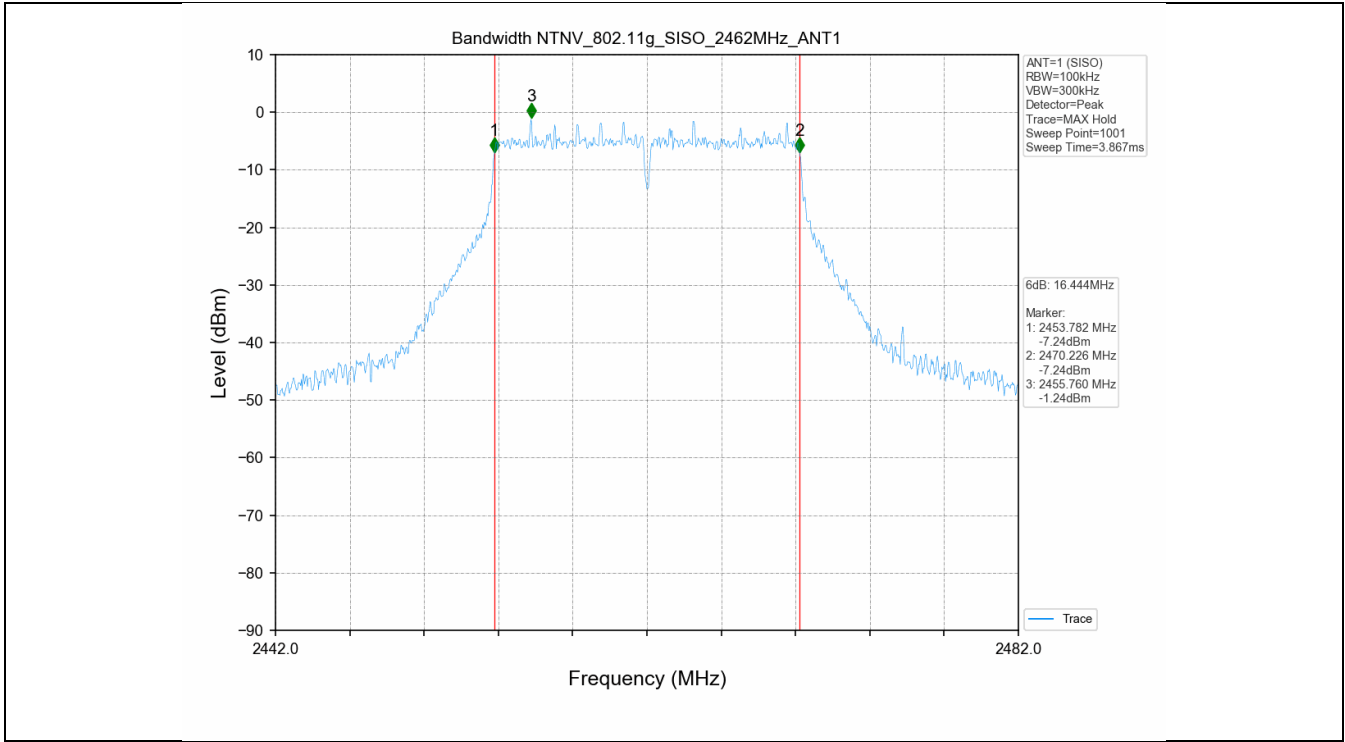
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.069	Only for Report Use
	2437	SISO	1	15.079	Only for Report Use
	2462	SISO	1	15.079	Only for Report Use
802.11g	2412	SISO	1	17.172	Only for Report Use
	2437	SISO	1	16.970	Only for Report Use
	2462	SISO	1	17.027	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.033	Only for Report Use
	2437	SISO	1	18.074	Only for Report Use
	2462	SISO	1	18.062	Only for Report Use

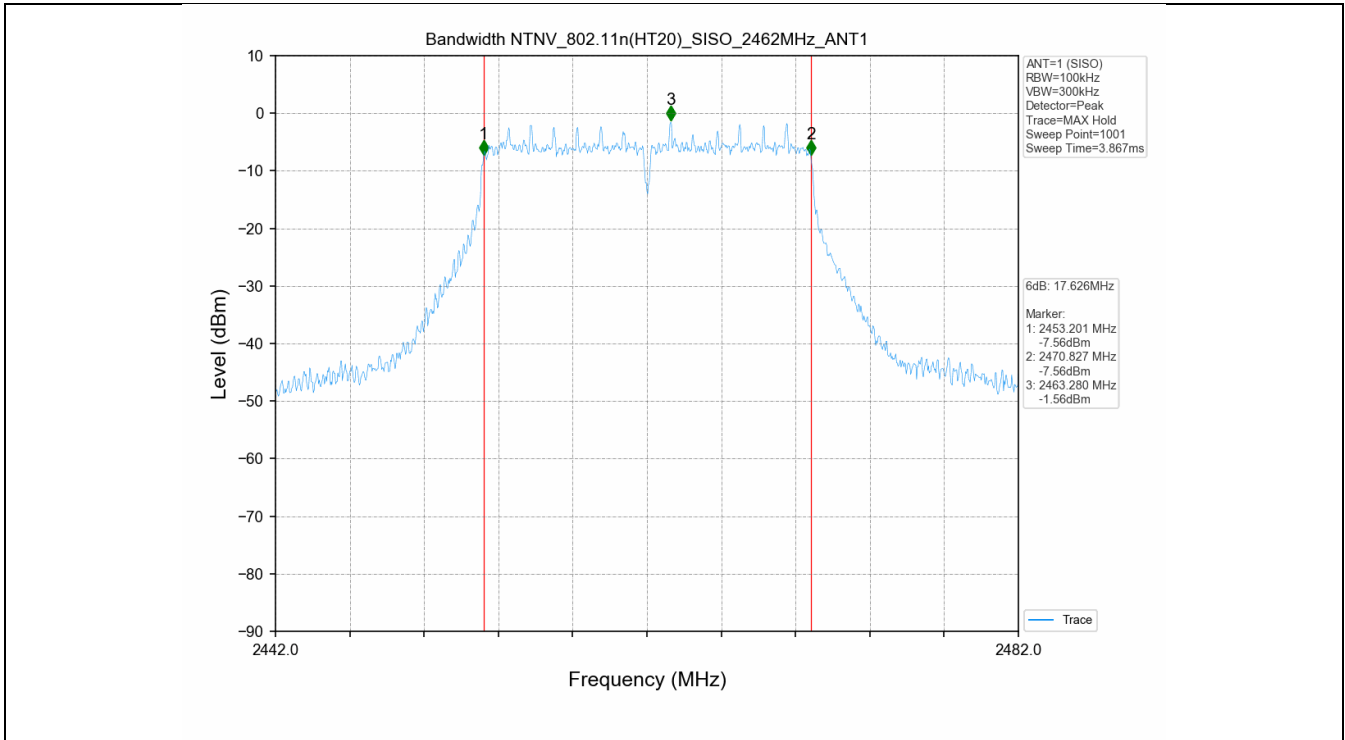
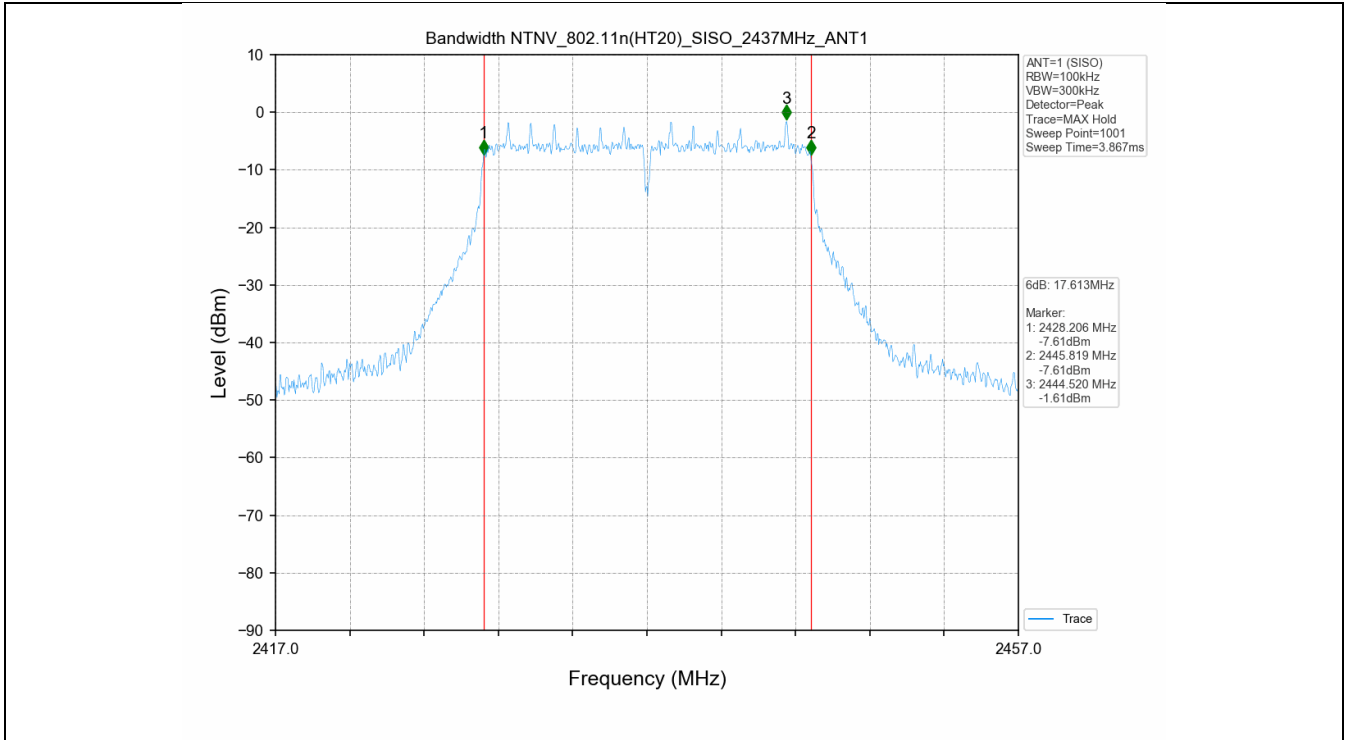
2.2 Test Graph - 6dB Bandwidth



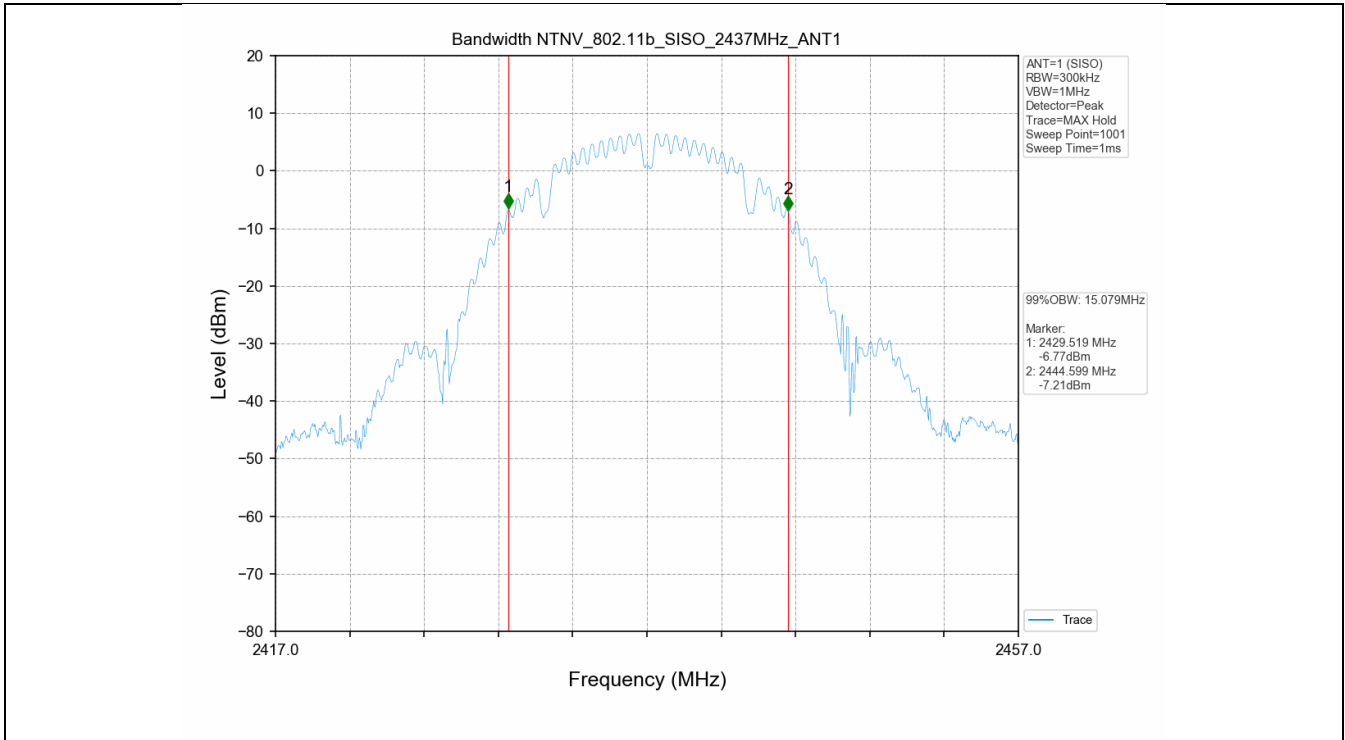
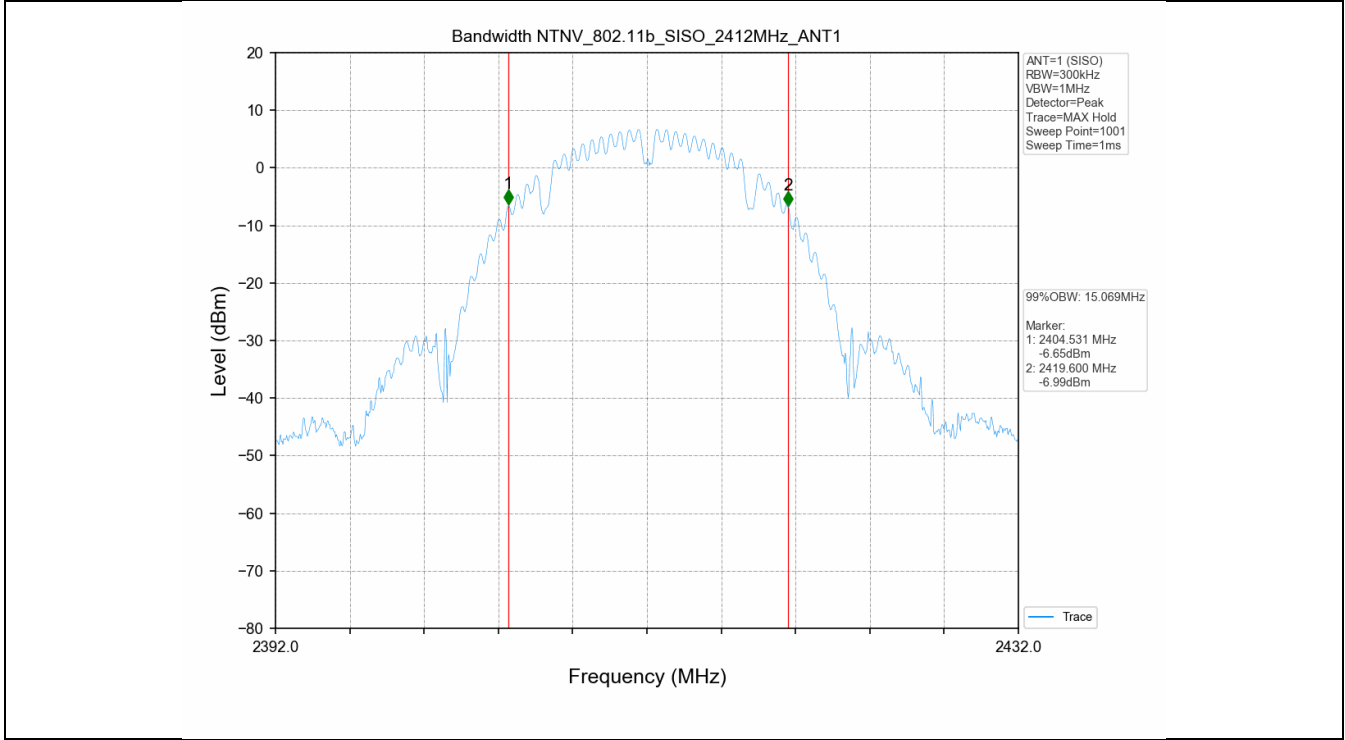


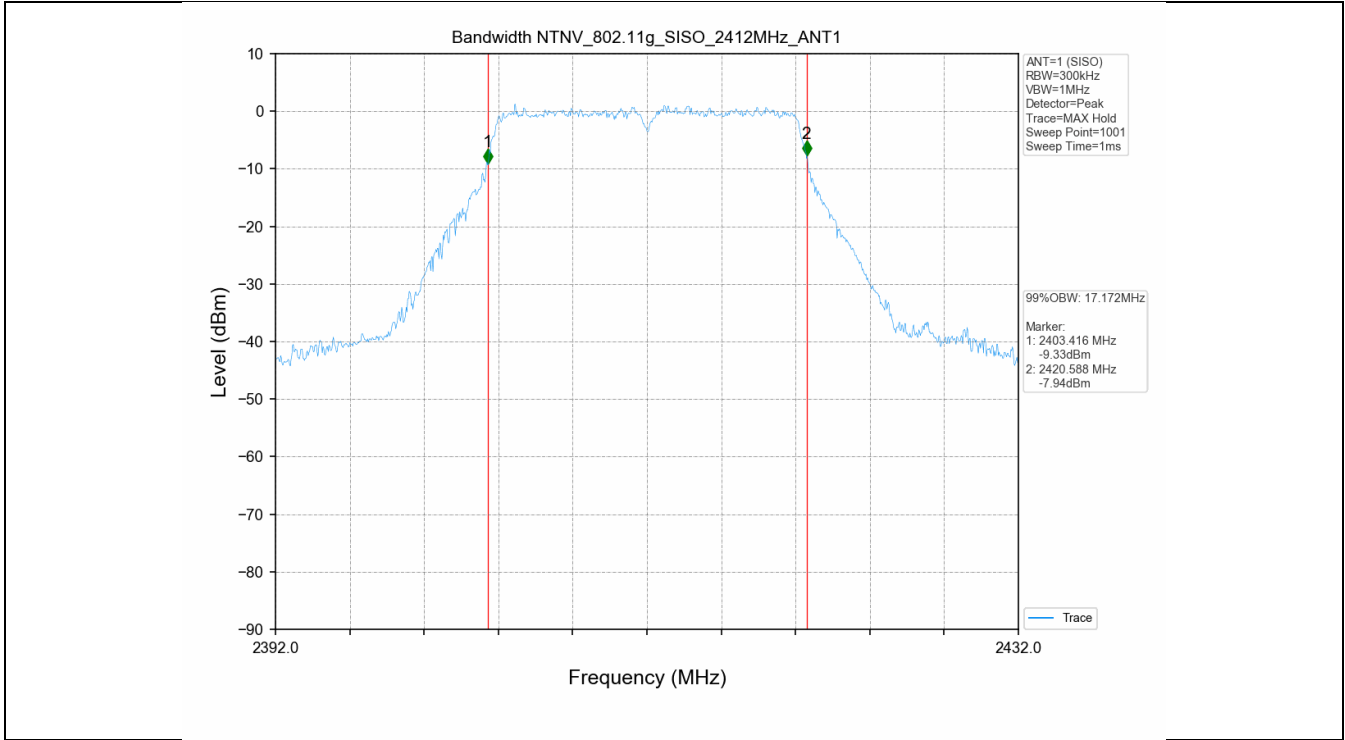
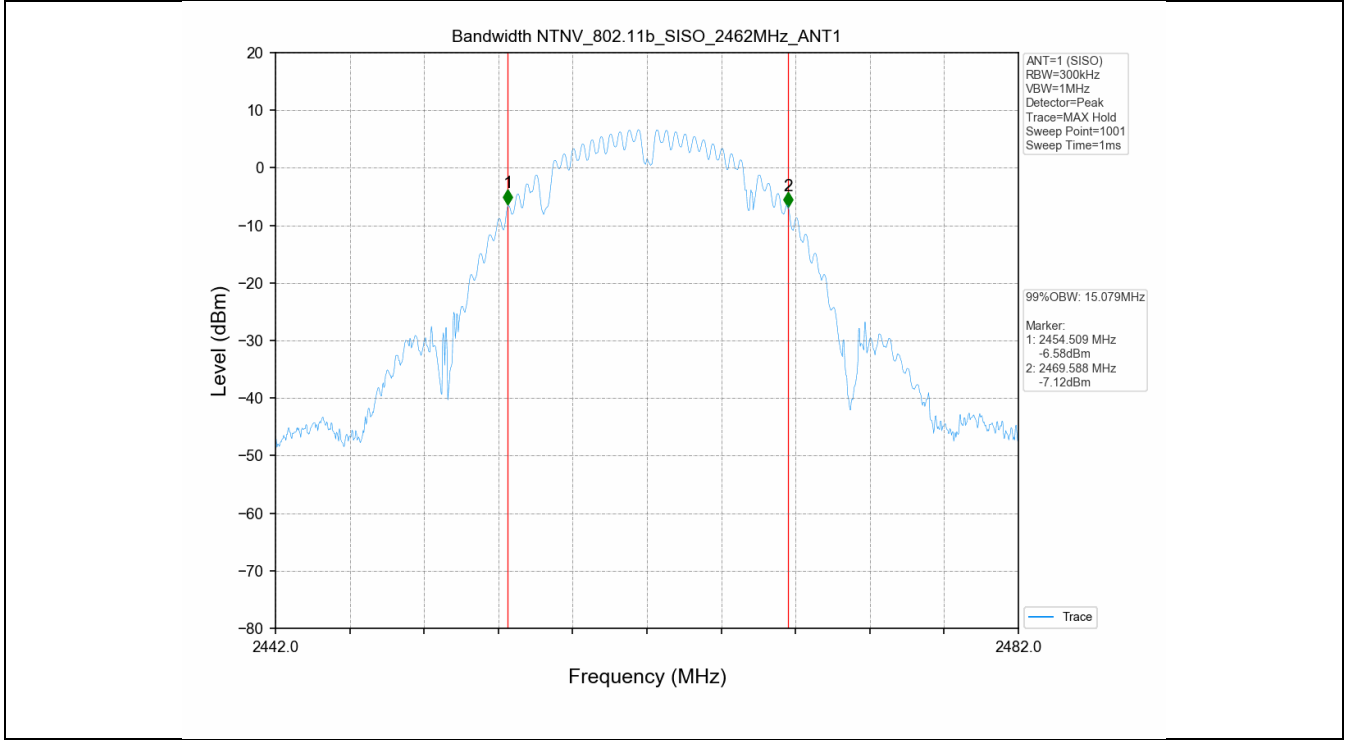


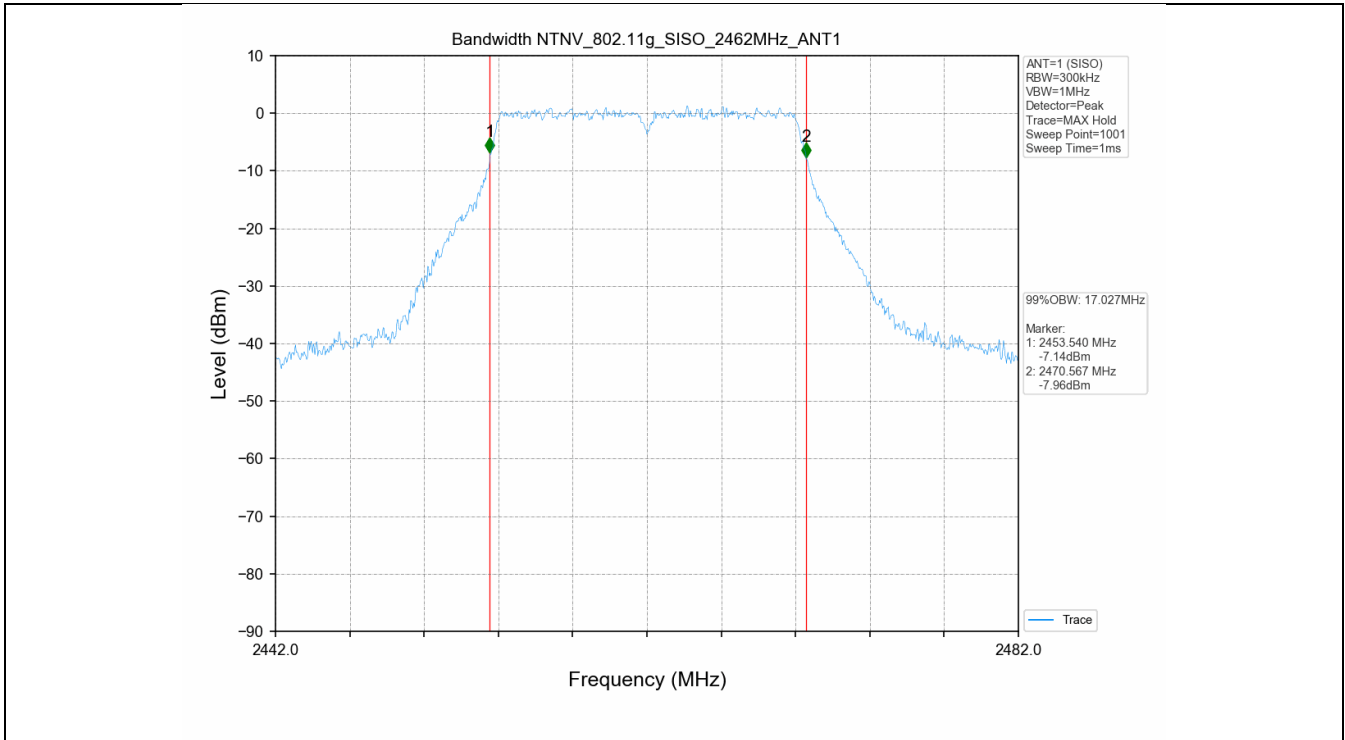
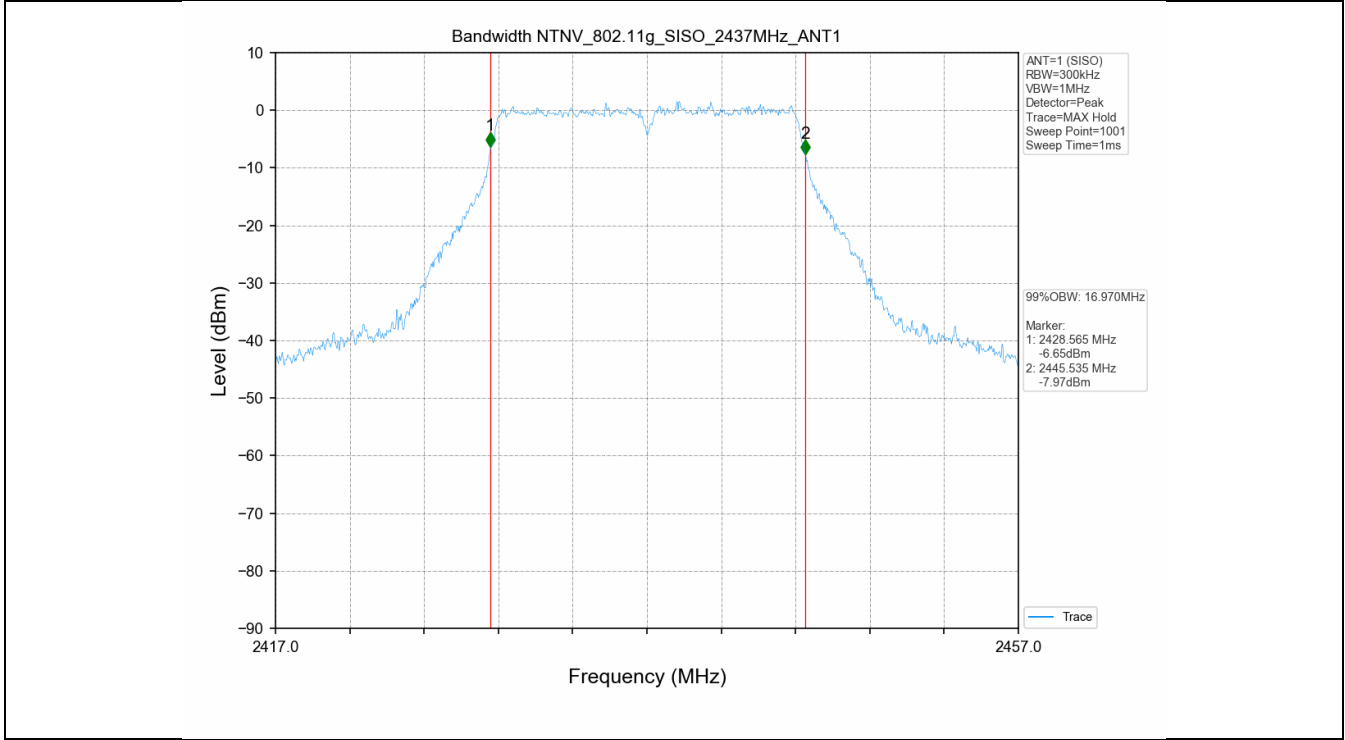


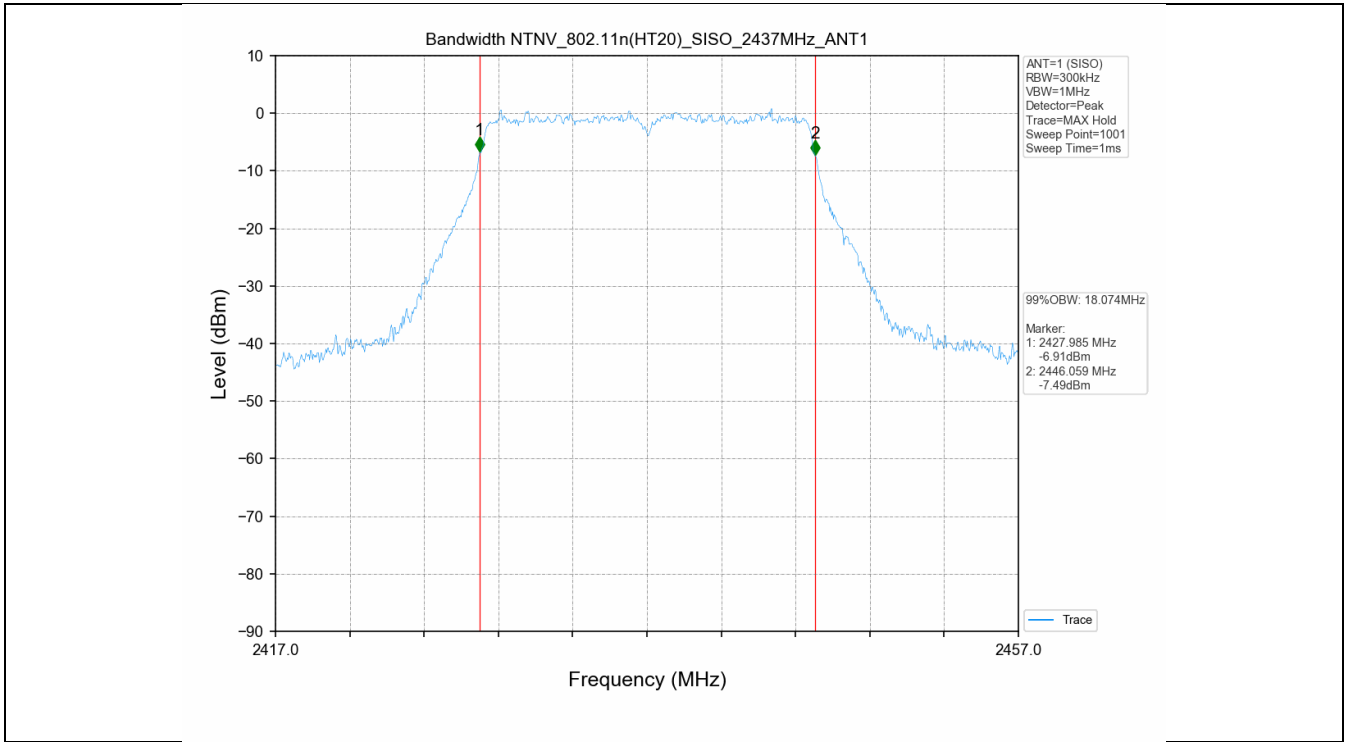
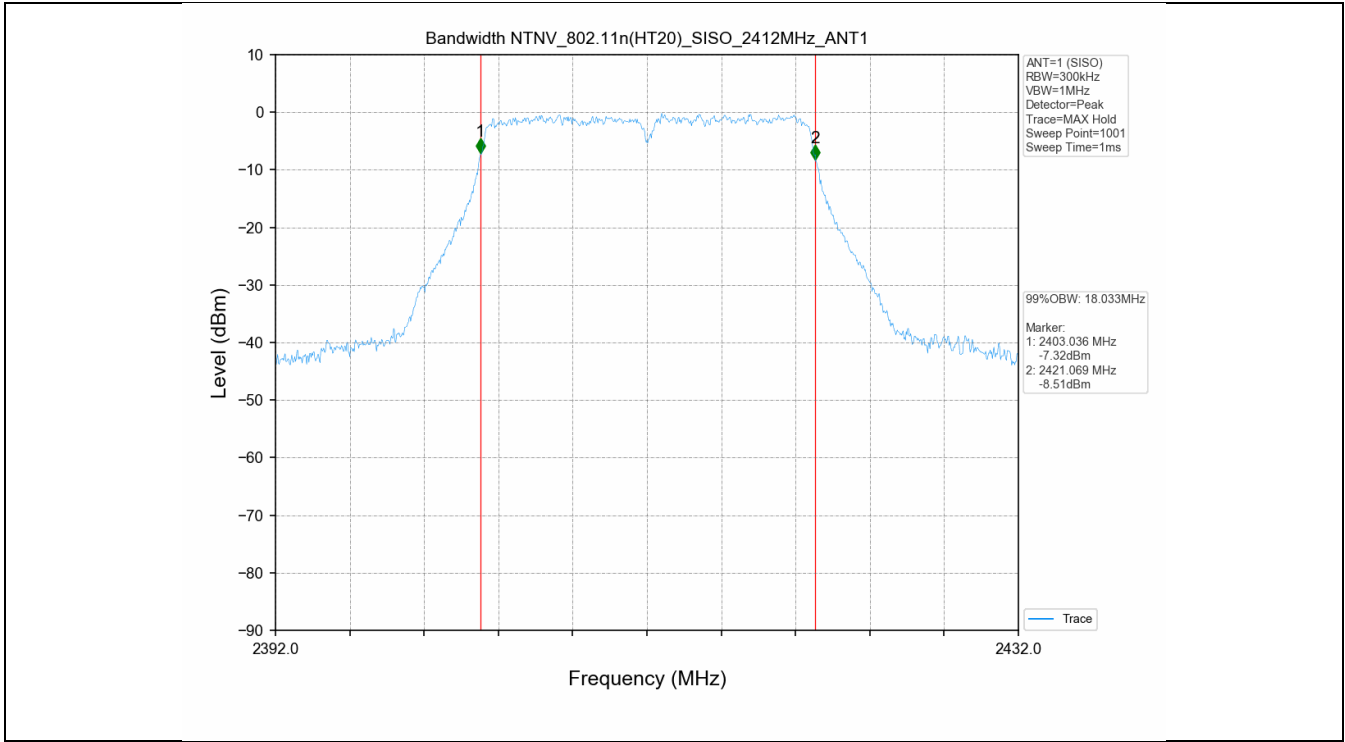


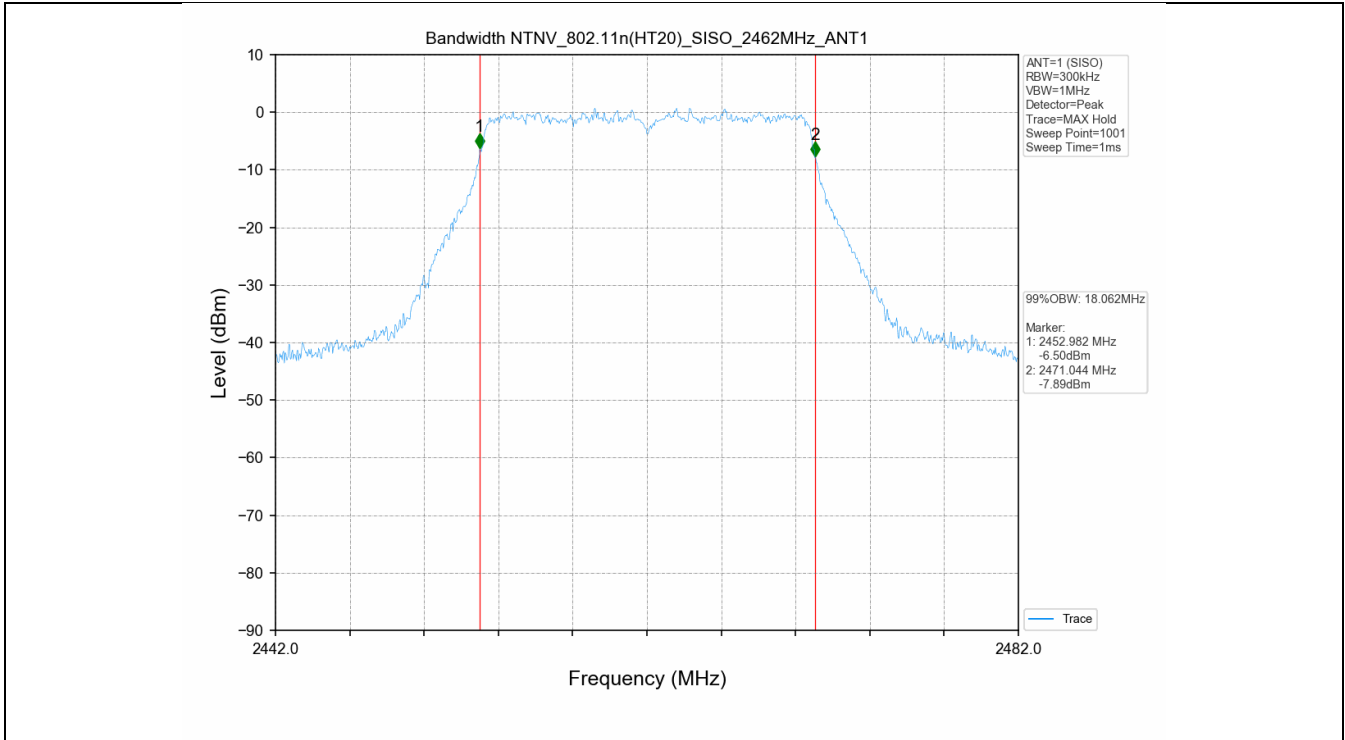
2.3 Test Graph - 99% Occupied Bandwidth









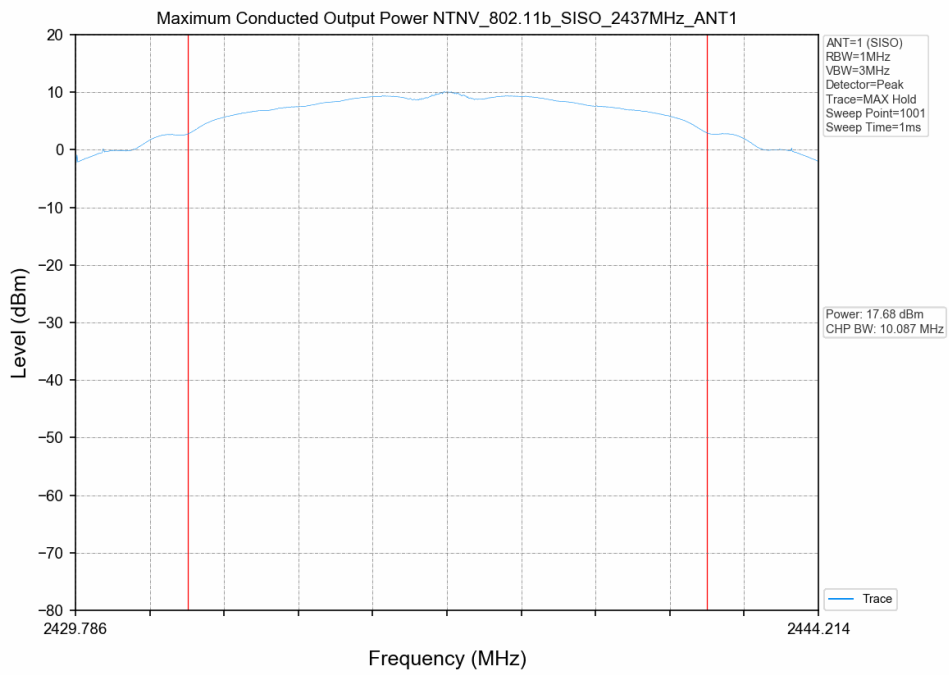
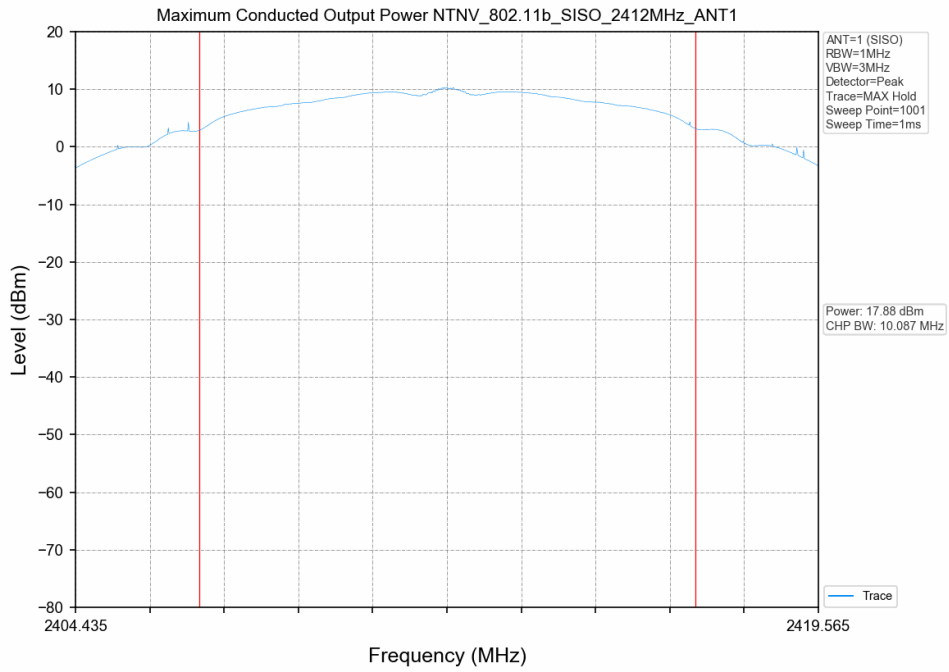


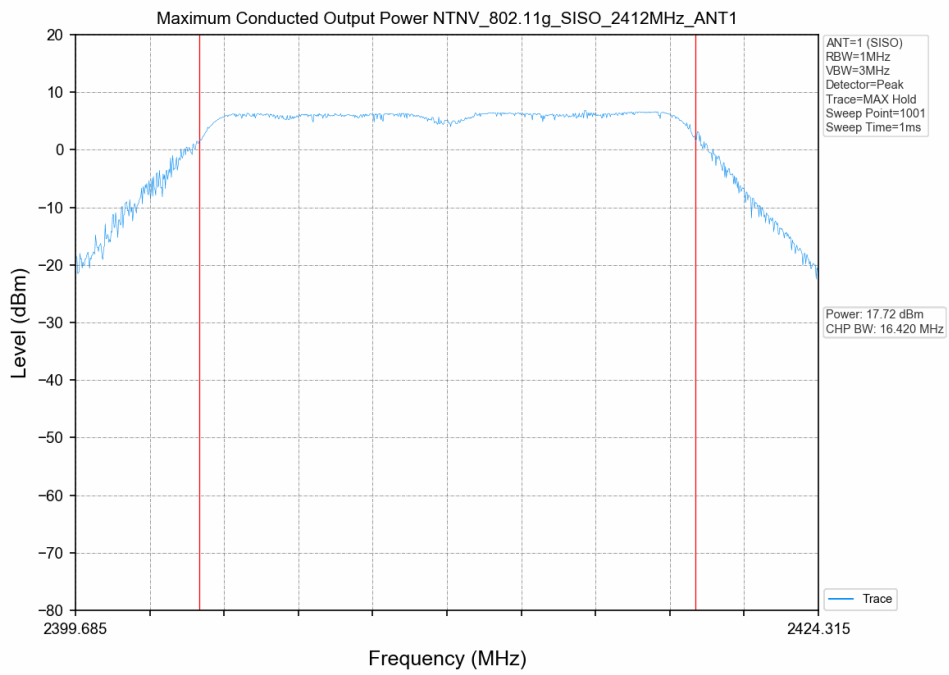
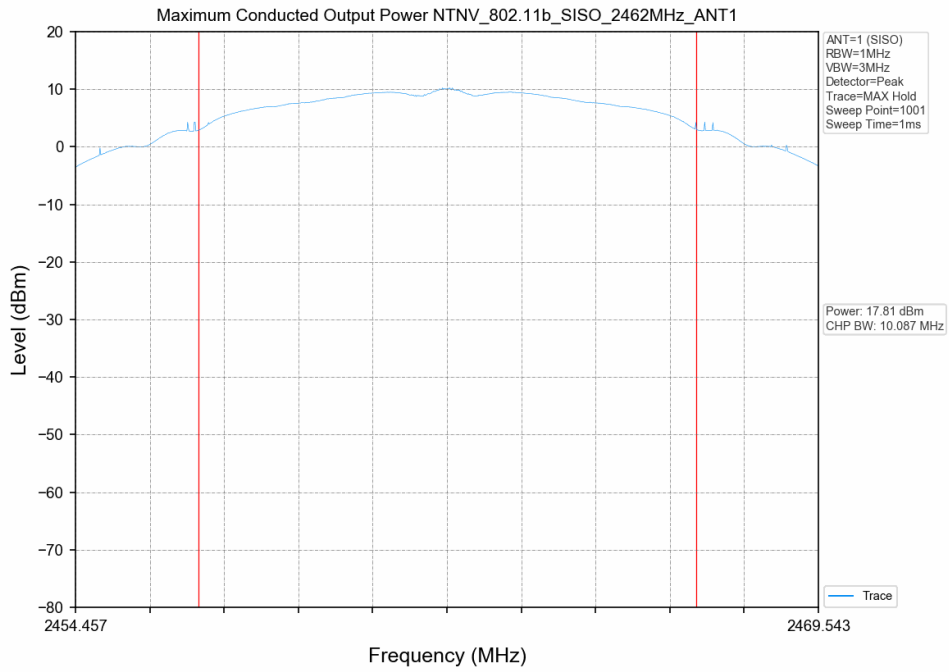
3. Maximum Conducted Output Power

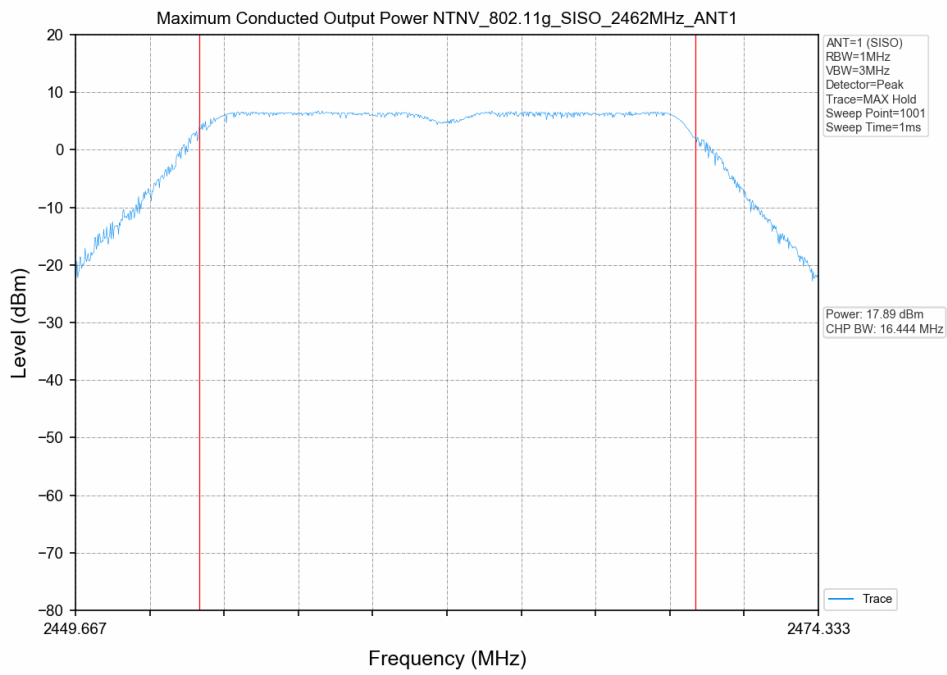
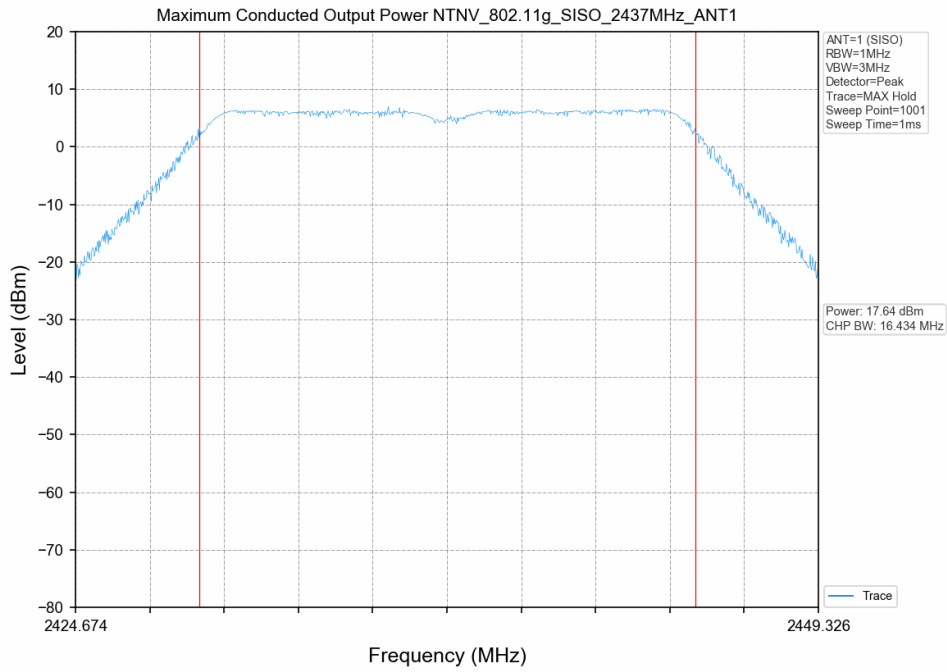
3.1 Test Result

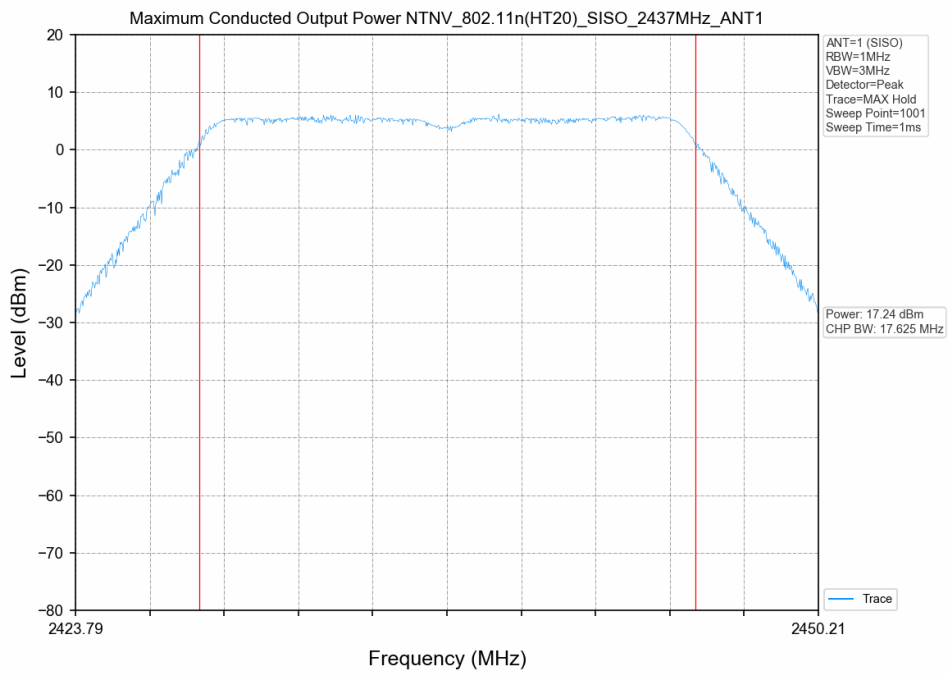
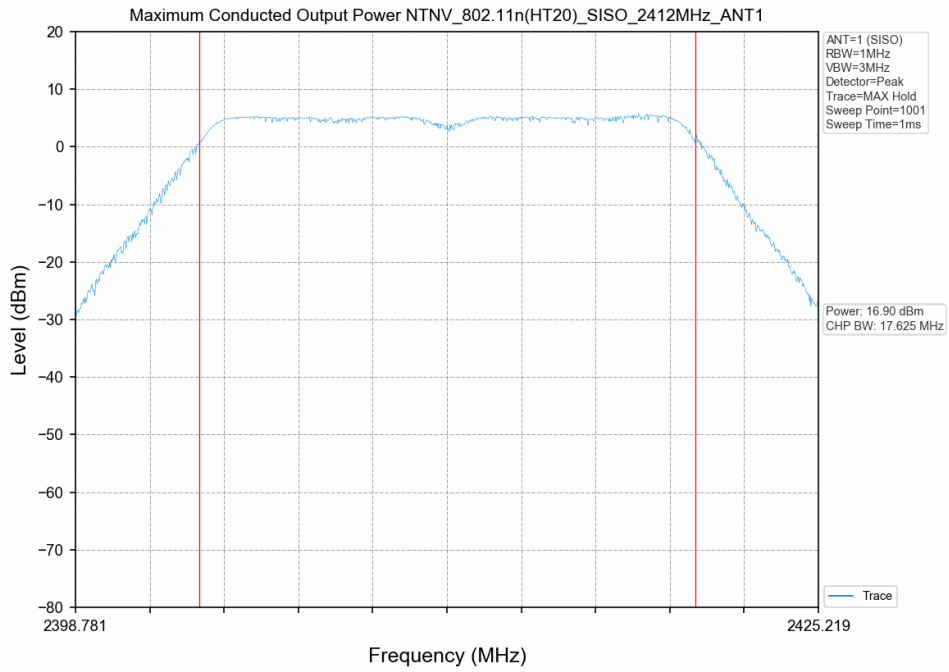
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.88	30	PASS
	2437	SISO	17.68	30	PASS
	2462	SISO	17.81	30	PASS
802.11g	2412	SISO	17.72	30	PASS
	2437	SISO	17.64	30	PASS
	2462	SISO	17.89	30	PASS
802.11n(HT20)	2412	SISO	16.90	30	PASS
	2437	SISO	17.24	30	PASS
	2462	SISO	17.38	30	PASS

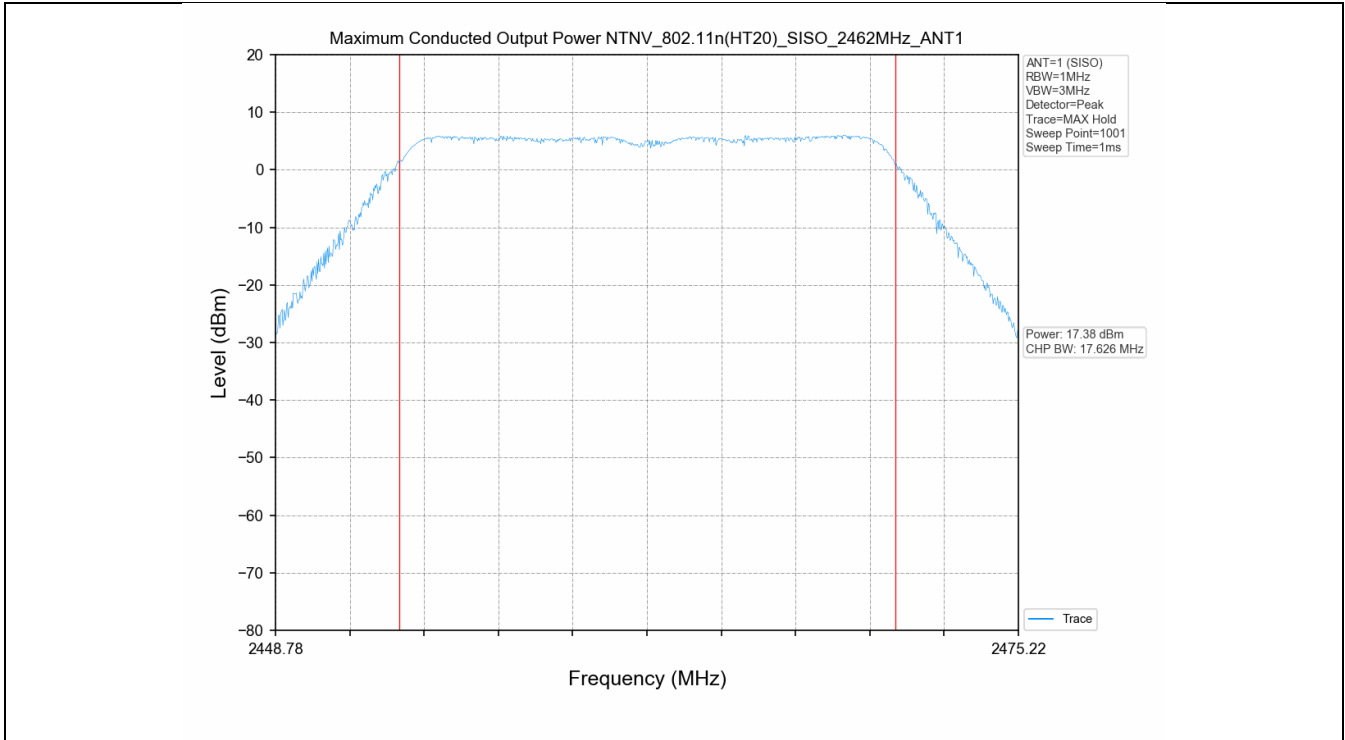
3.2 Test Graph









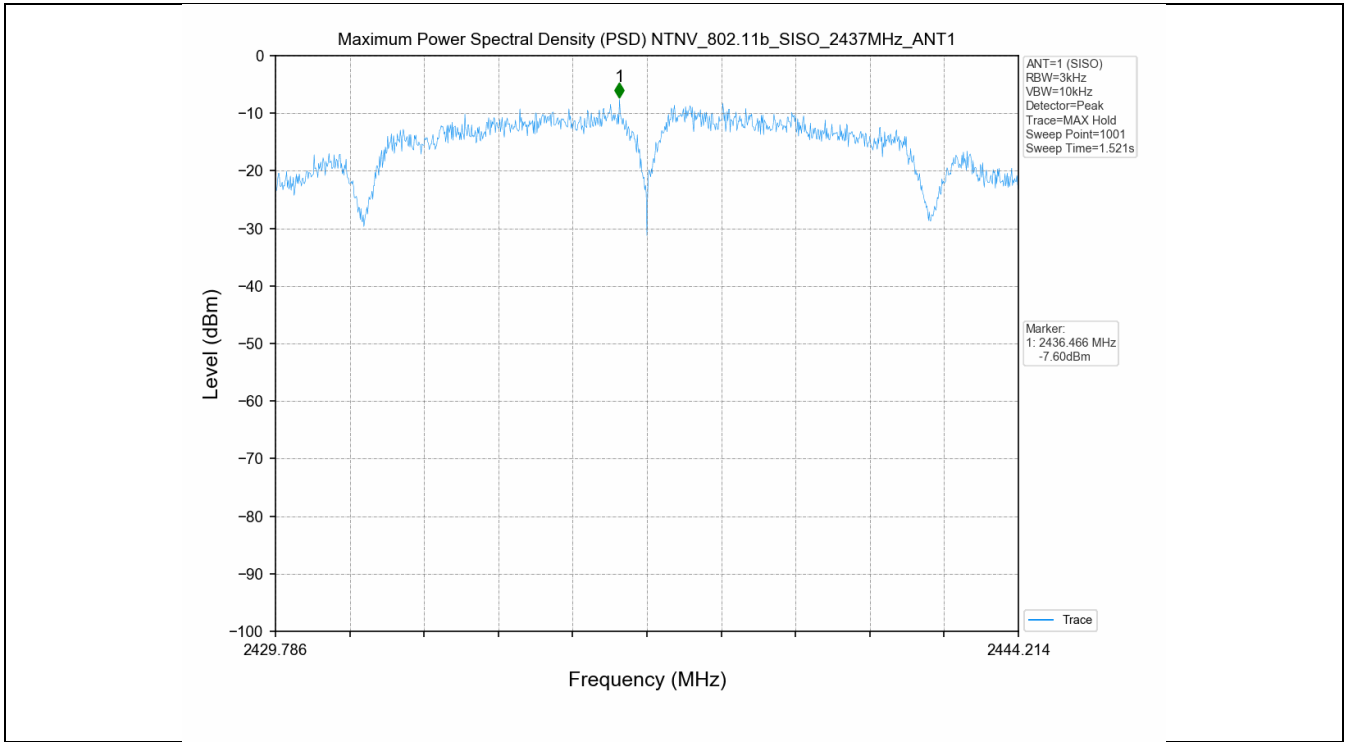
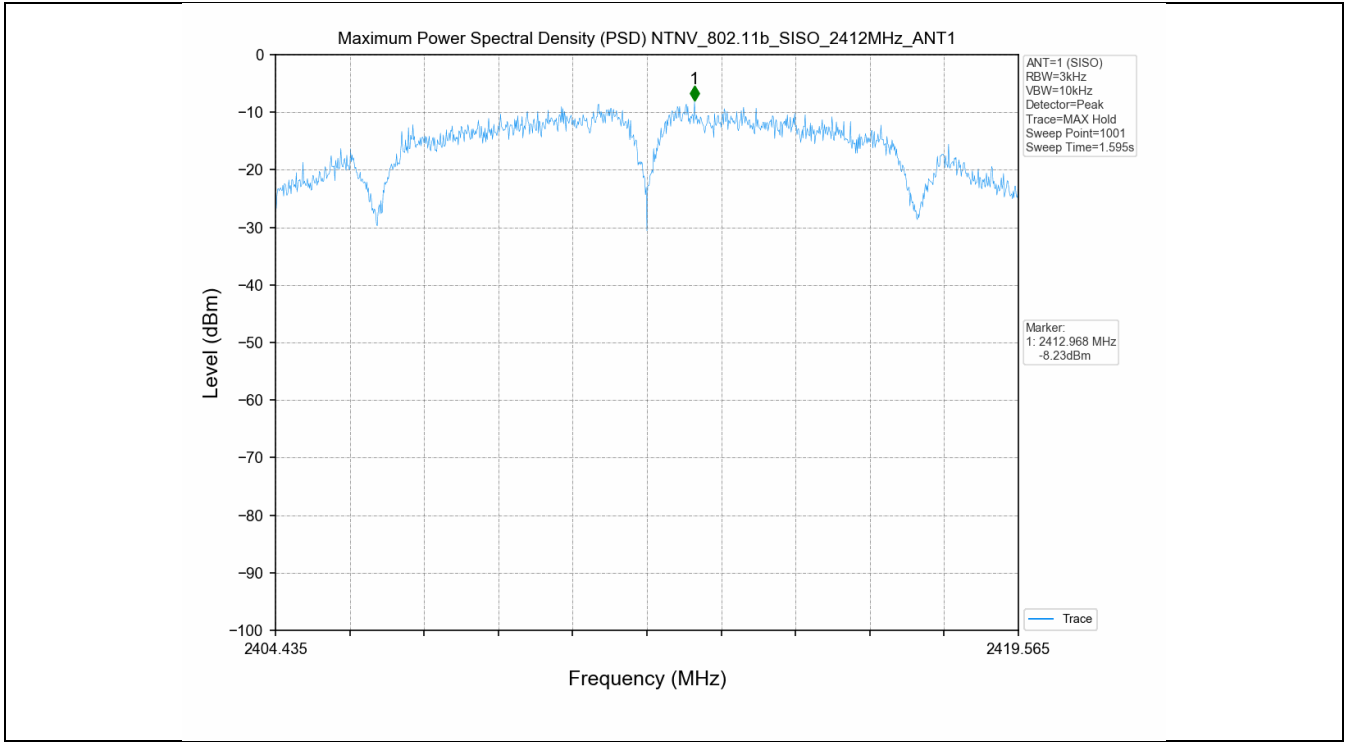


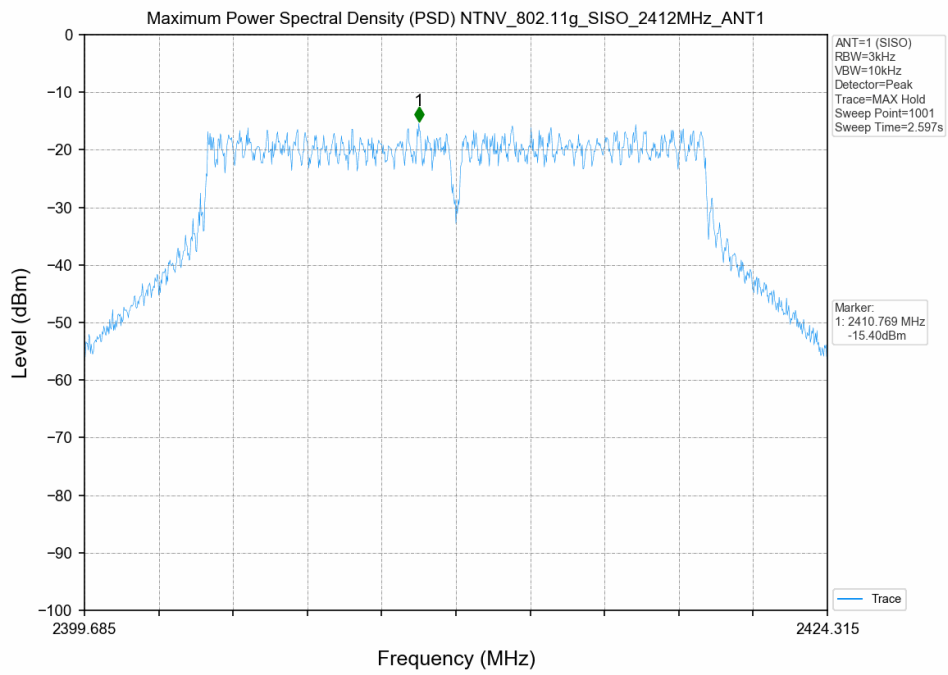
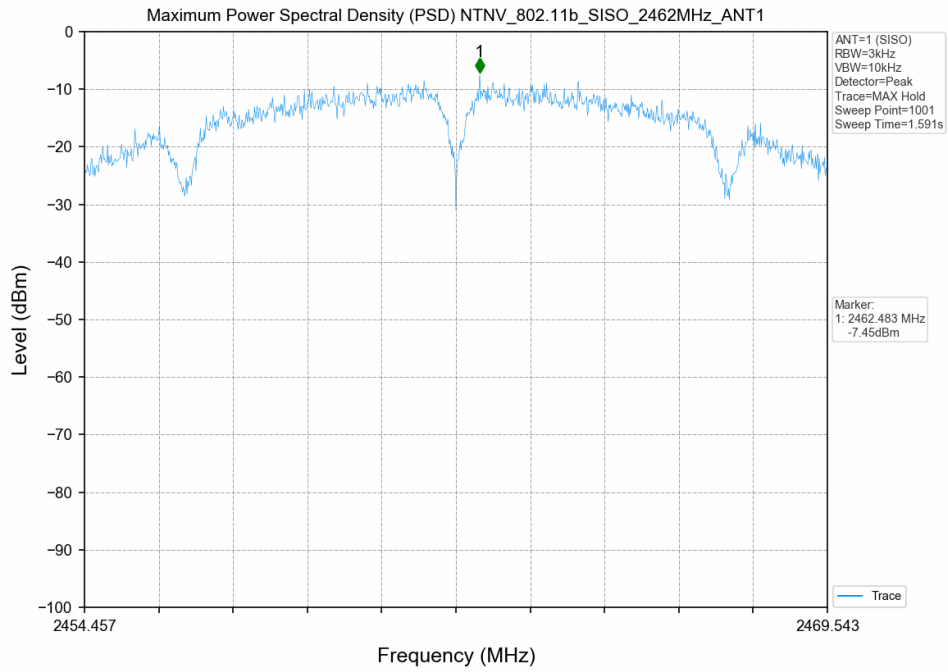
4. Maximum Power Spectral Density (PSD)

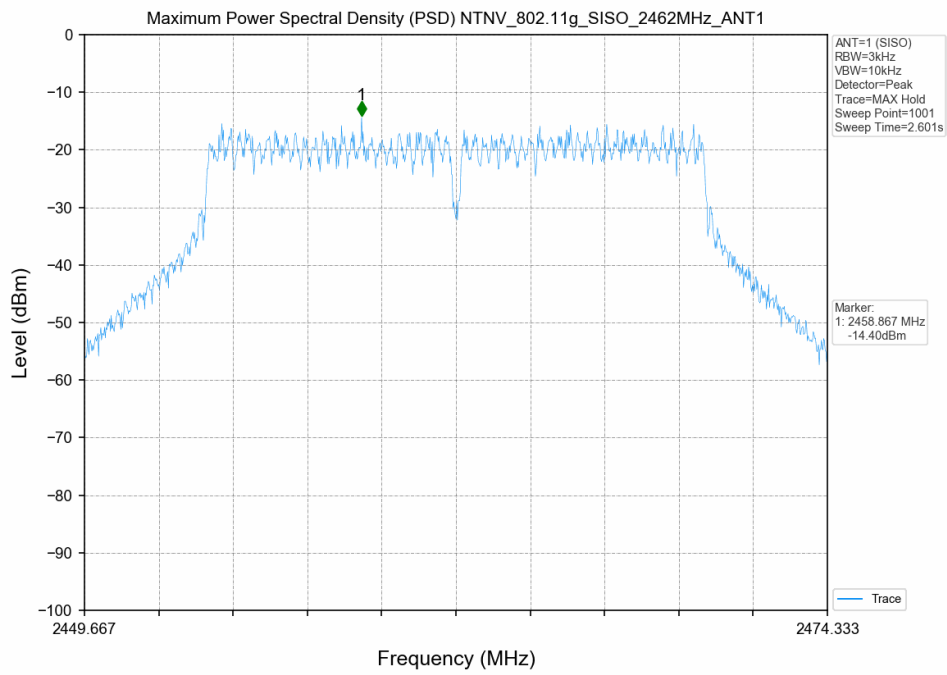
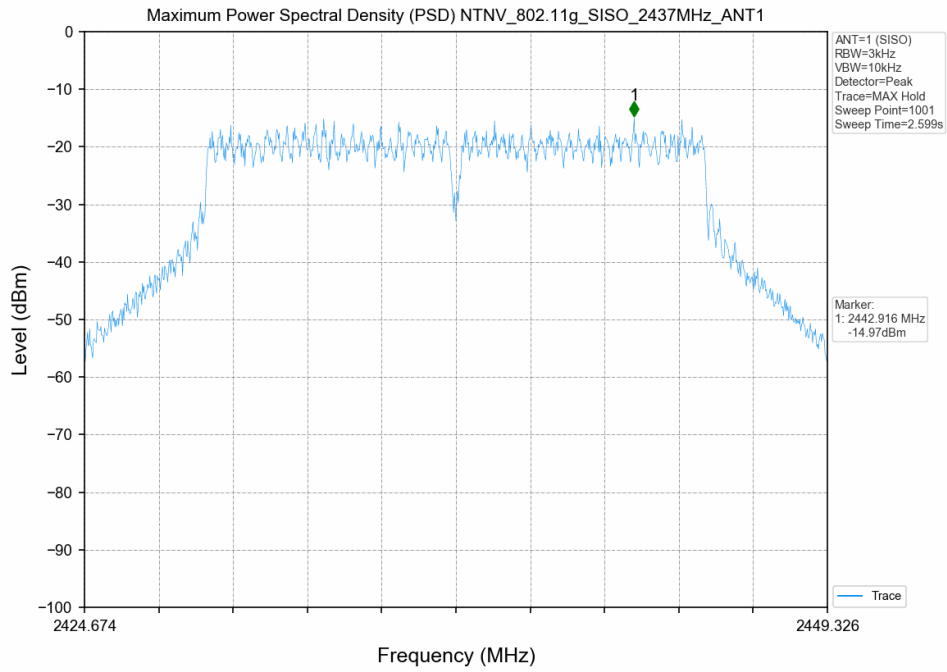
4.1 Test Result

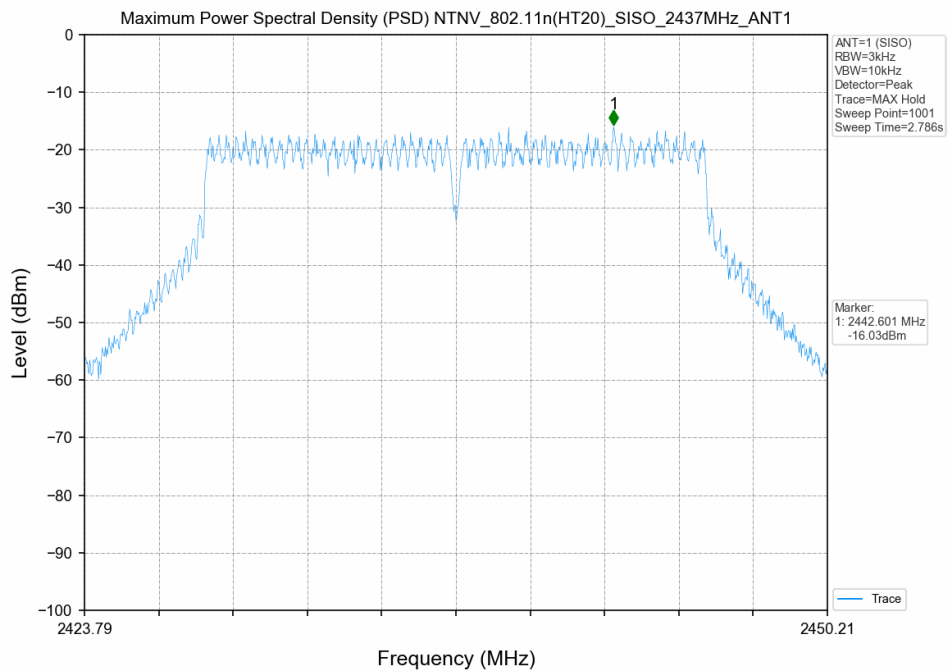
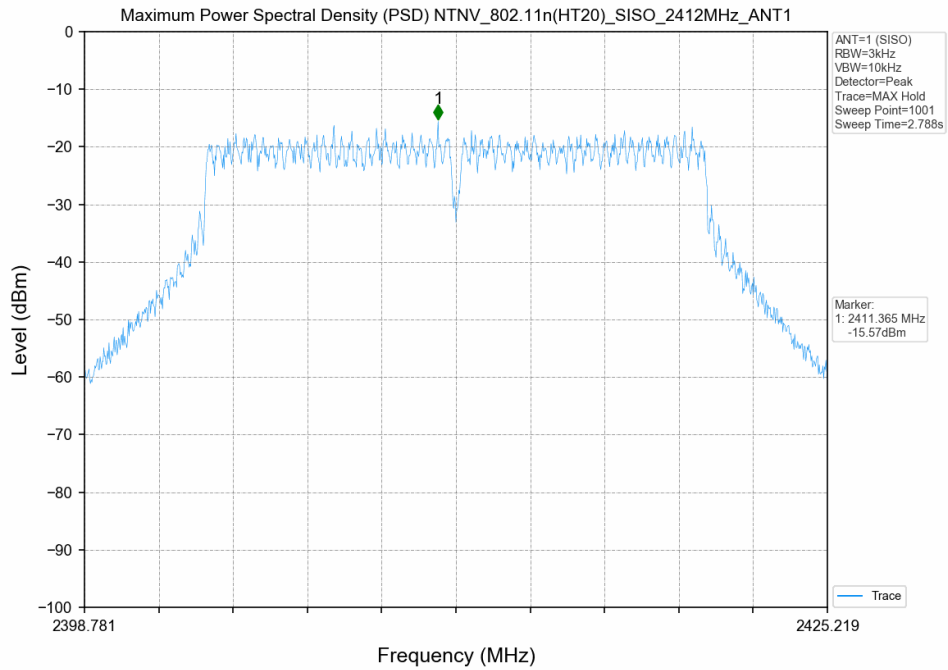
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kKHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.23	≤8	PASS
	2437	SISO	-7.60	≤8	PASS
	2462	SISO	-7.45	≤8	PASS
802.11g	2412	SISO	-15.40	≤8	PASS
	2437	SISO	-14.97	≤8	PASS
	2462	SISO	-14.40	≤8	PASS
802.11n(HT20)	2412	SISO	-15.57	≤8	PASS
	2437	SISO	-16.03	≤8	PASS
	2462	SISO	-14.90	≤8	PASS

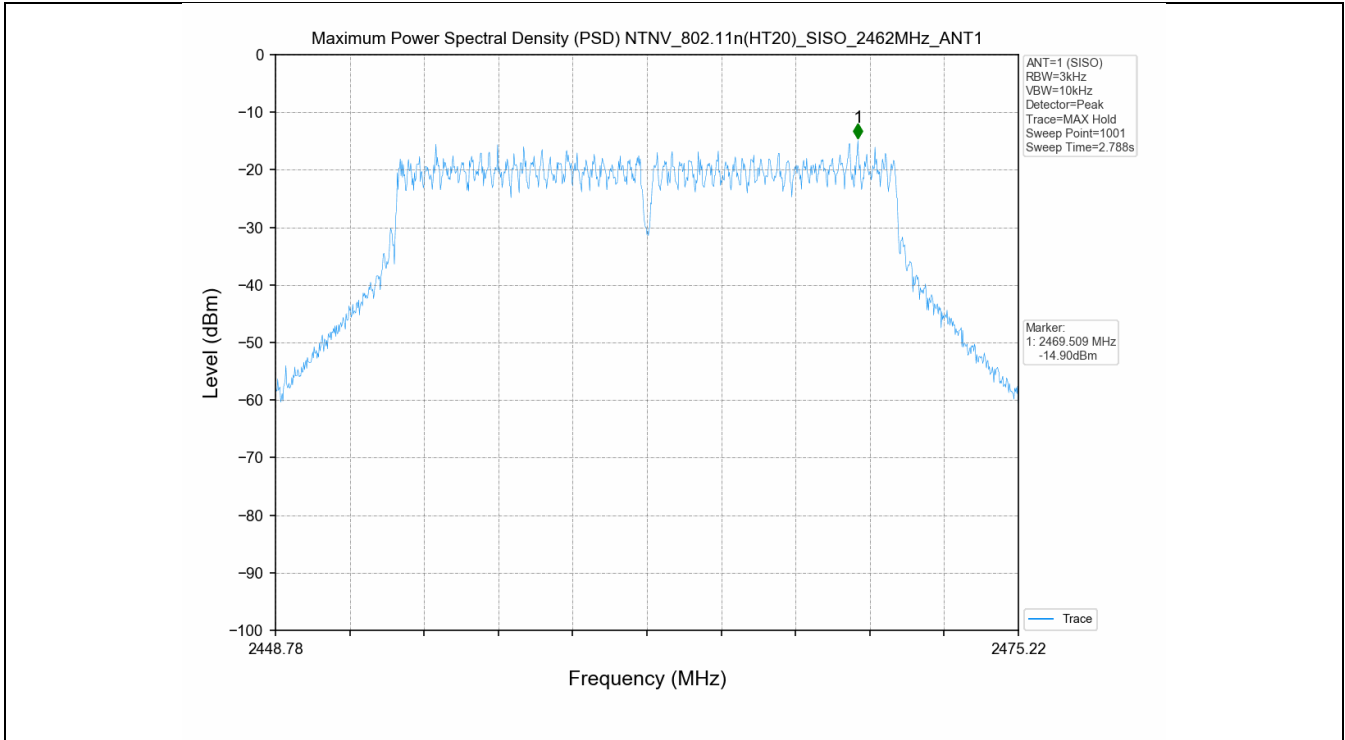
4.2 Test Graph











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	-13.34	PASS
	2437	SISO	1	Refer to test graph	-13.34	PASS
	2462	SISO	1	Refer to test graph	-13.34	PASS
802.11g	2412	SISO	1	Refer to test graph	-21.10	PASS
	2437	SISO	1	Refer to test graph	-21.10	PASS
	2462	SISO	1	Refer to test graph	-21.10	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-21.50	PASS
	2437	SISO	1	Refer to test graph	-21.50	PASS
	2462	SISO	1	Refer to test graph	-21.50	PASS

5.2 Test Graph

