

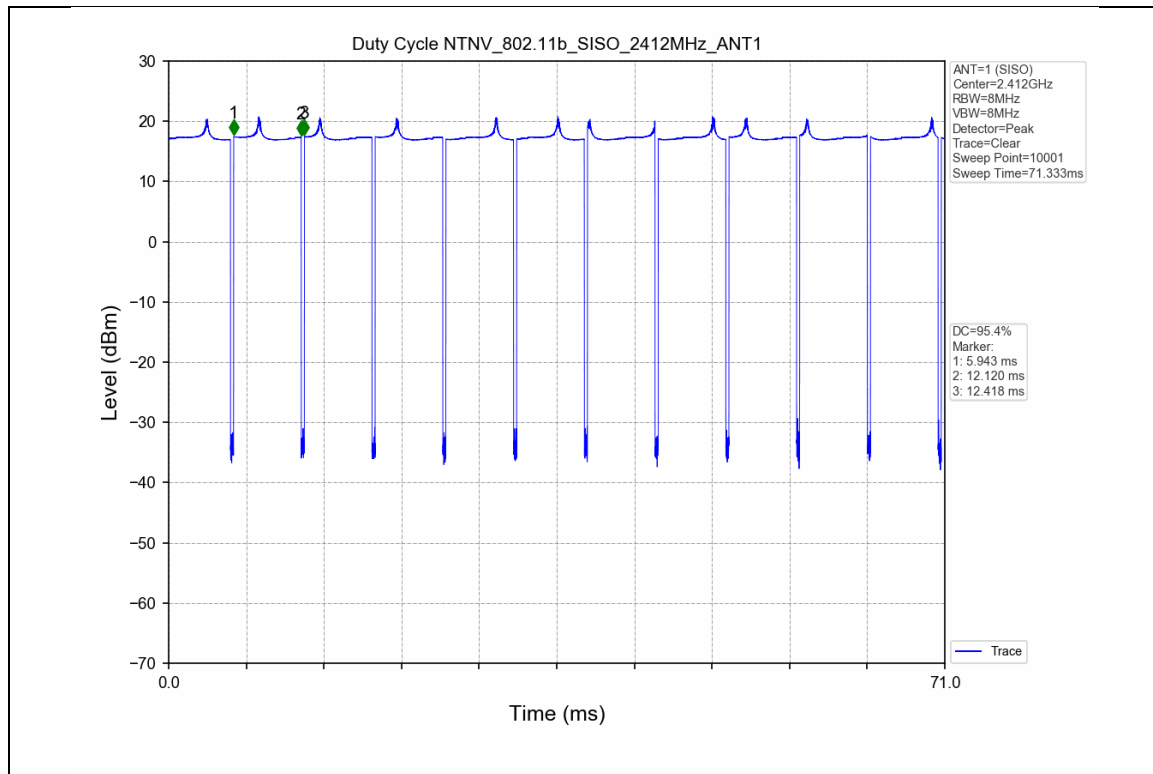
Appendix A for KSEM210400063001

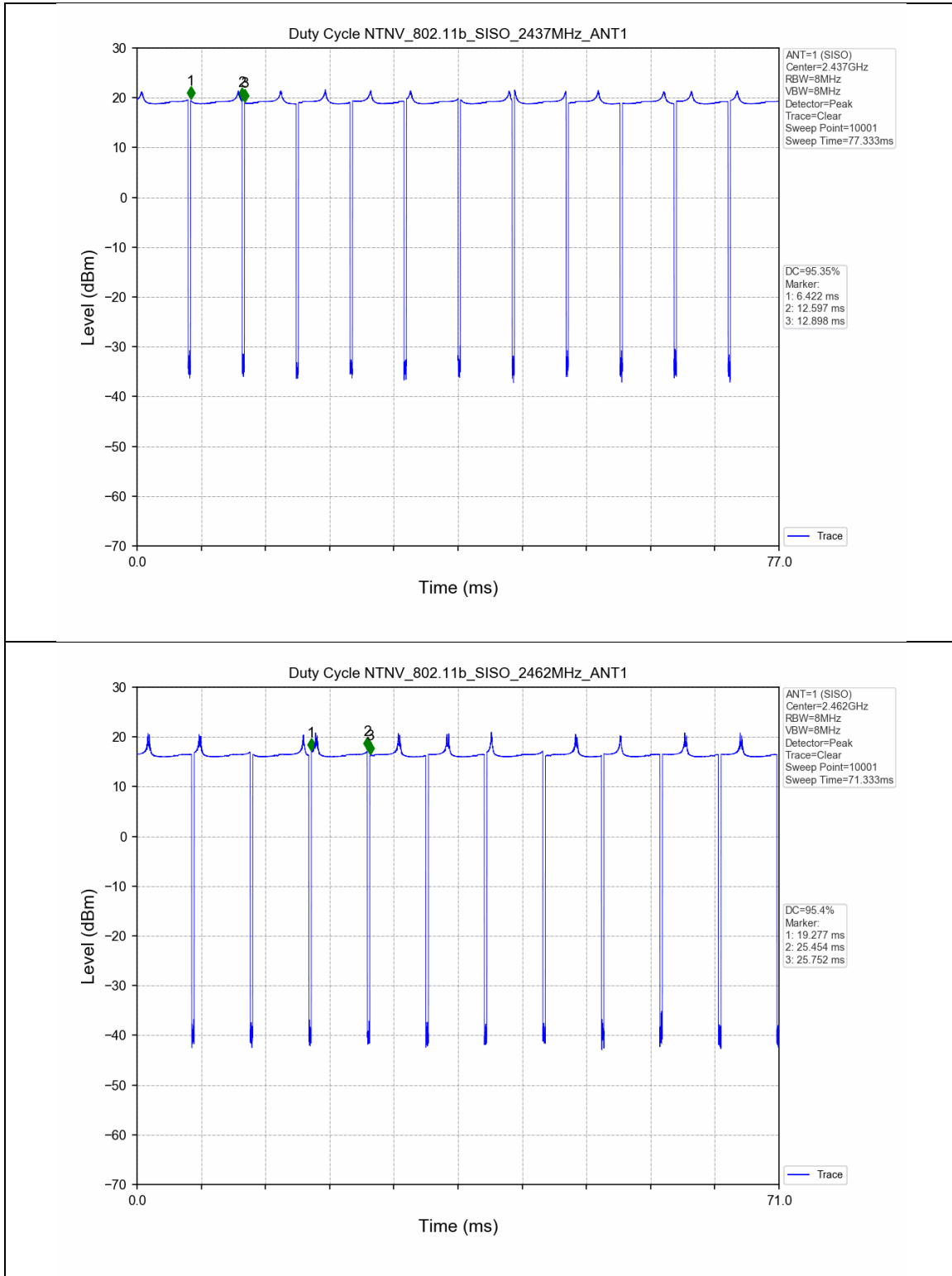
1. Duty Cycle

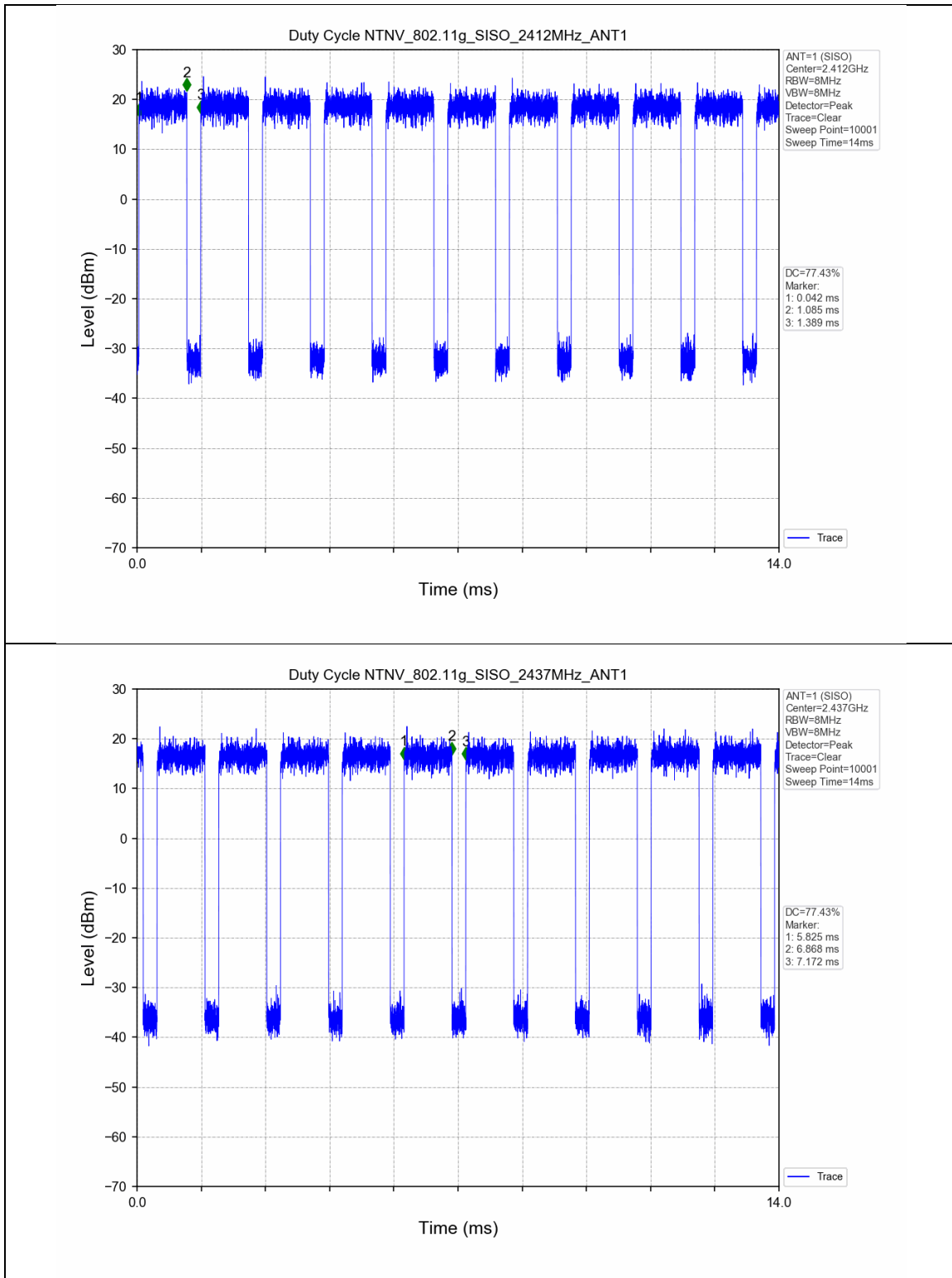
1.1 Test Result

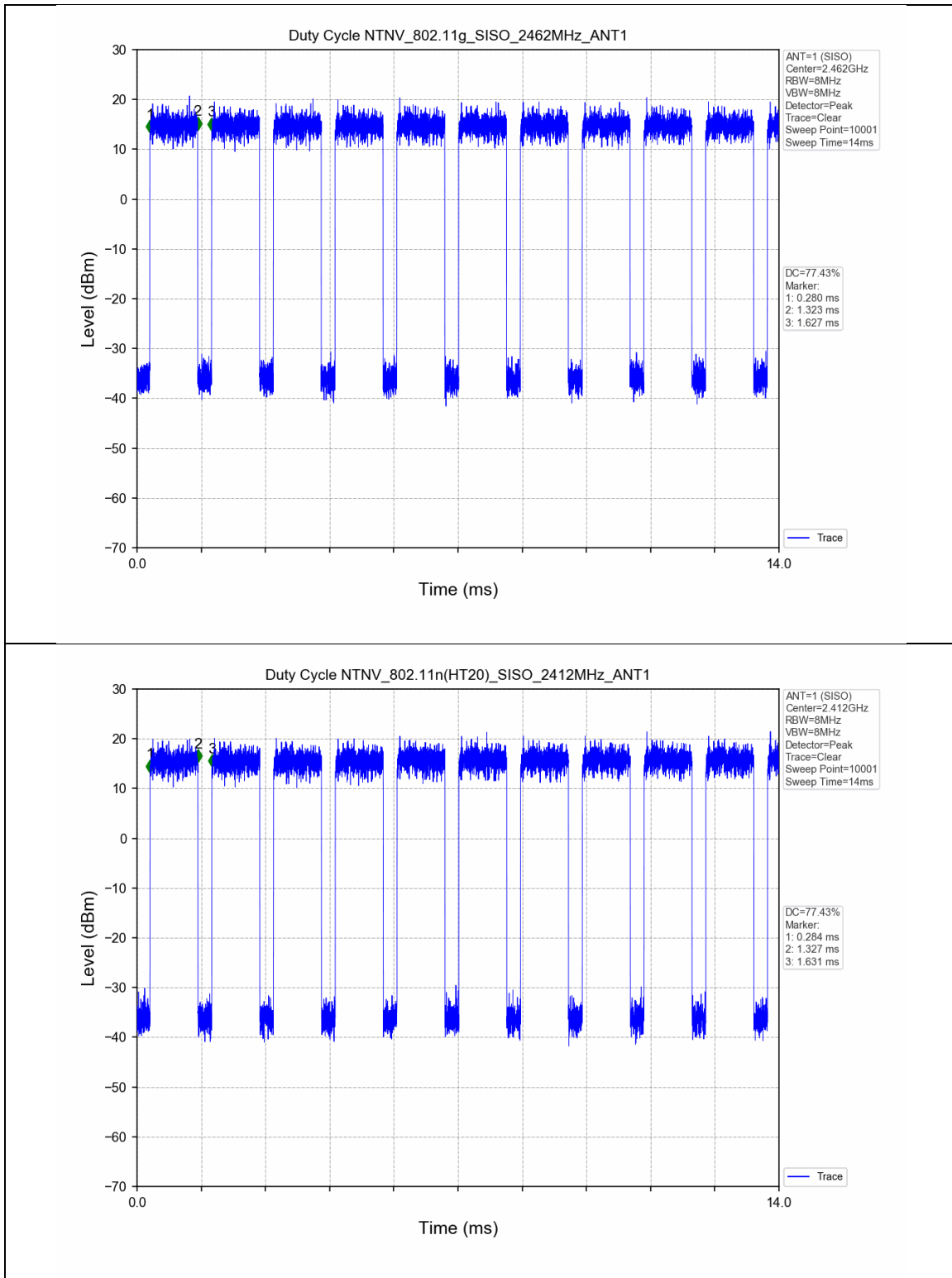
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	6.177	6.475	95.40	0.20
	2437	SISO	1	6.175	6.476	95.35	0.21
	2462	SISO	1	6.177	6.475	95.40	0.20
802.11g	2412	SISO	1	1.043	1.347	77.43	1.11
	2437	SISO	1	1.043	1.347	77.43	1.11
	2462	SISO	1	1.043	1.347	77.43	1.11
802.11n(HT20)	2412	SISO	1	1.043	1.347	77.43	1.11
	2437	SISO	1	1.043	1.347	77.43	1.11
	2462	SISO	1	1.043	1.347	77.43	1.11
802.11n(HT40)	2422	SISO	1	0.664	0.767	86.57	0.63
	2437	SISO	1	0.665	0.766	86.81	0.61
	2452	SISO	1	0.663	0.766	86.55	0.63

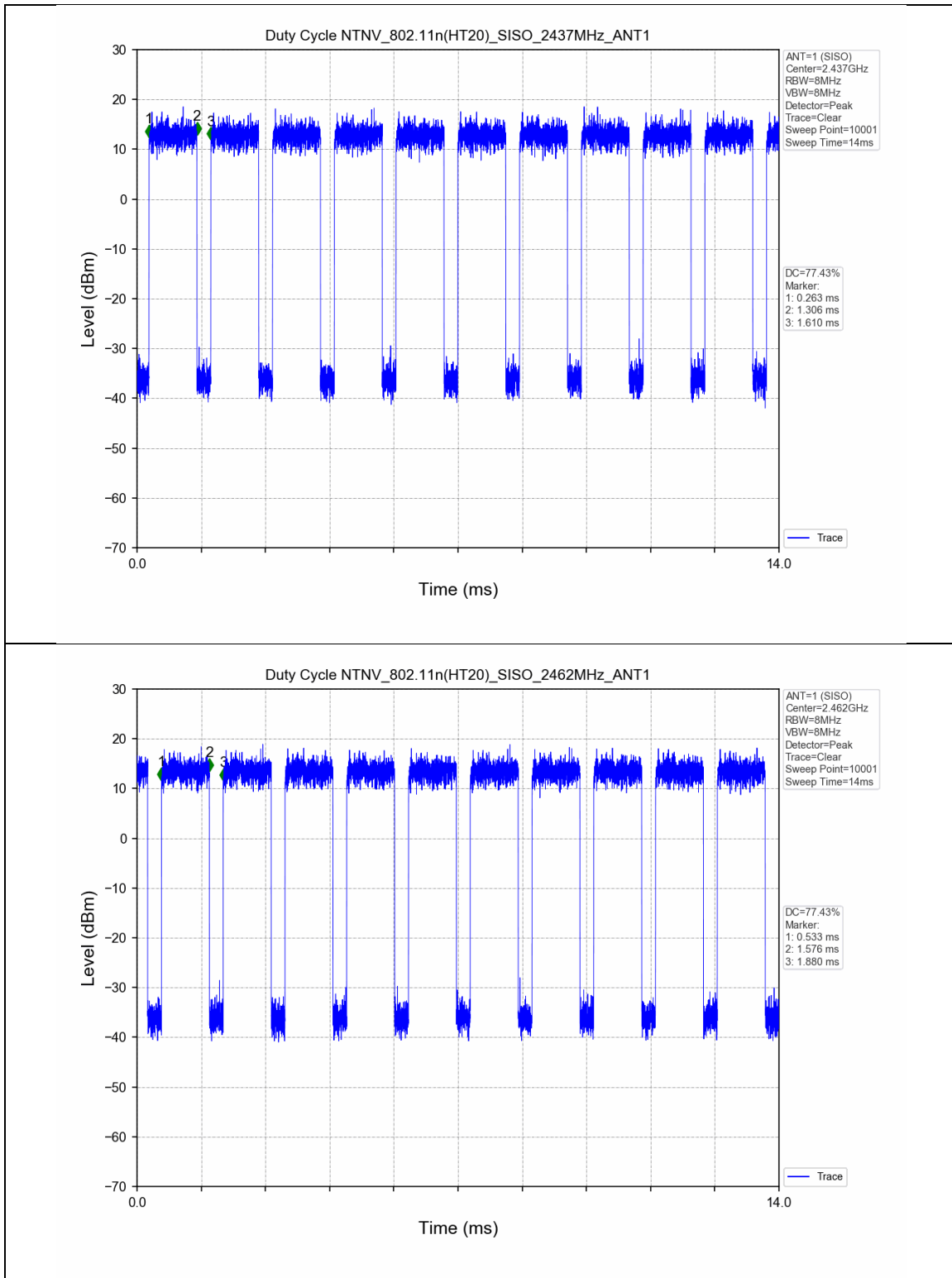
1.2 Test Graph

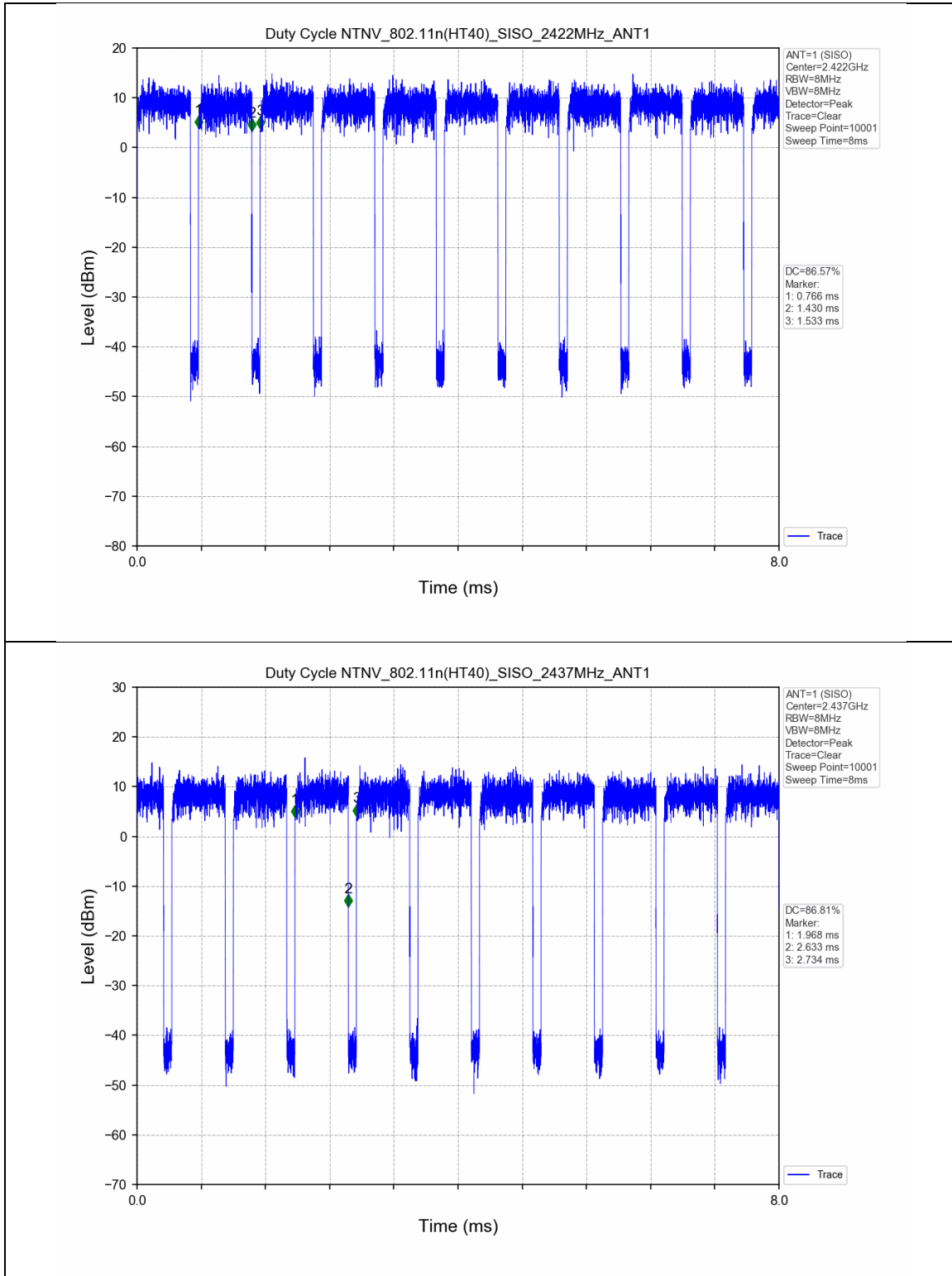


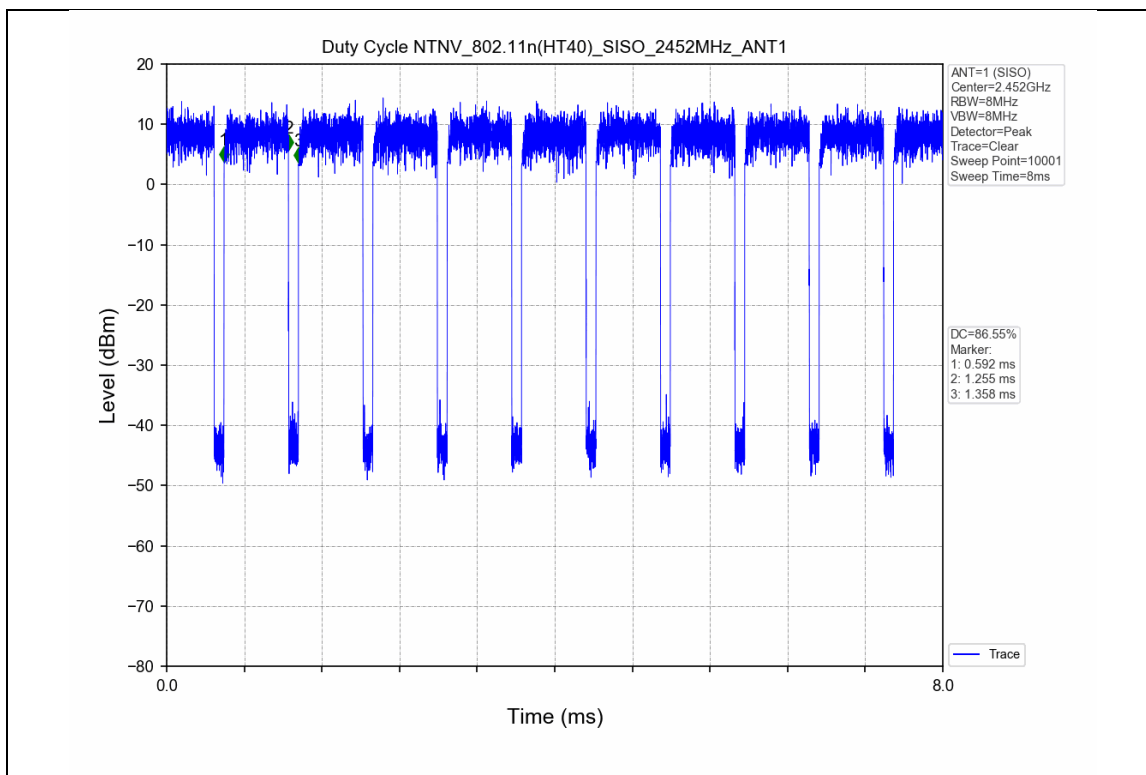












2. Bandwidth

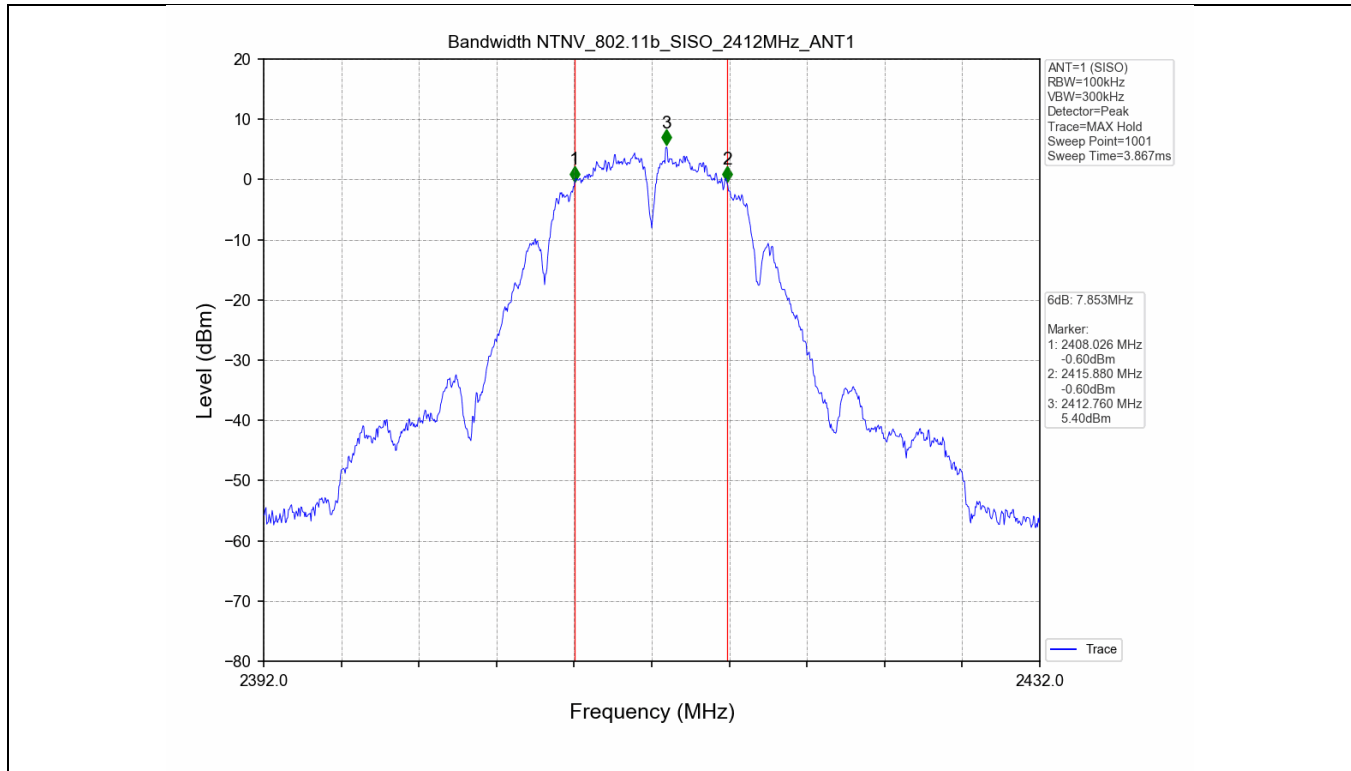
2.1 Test Result

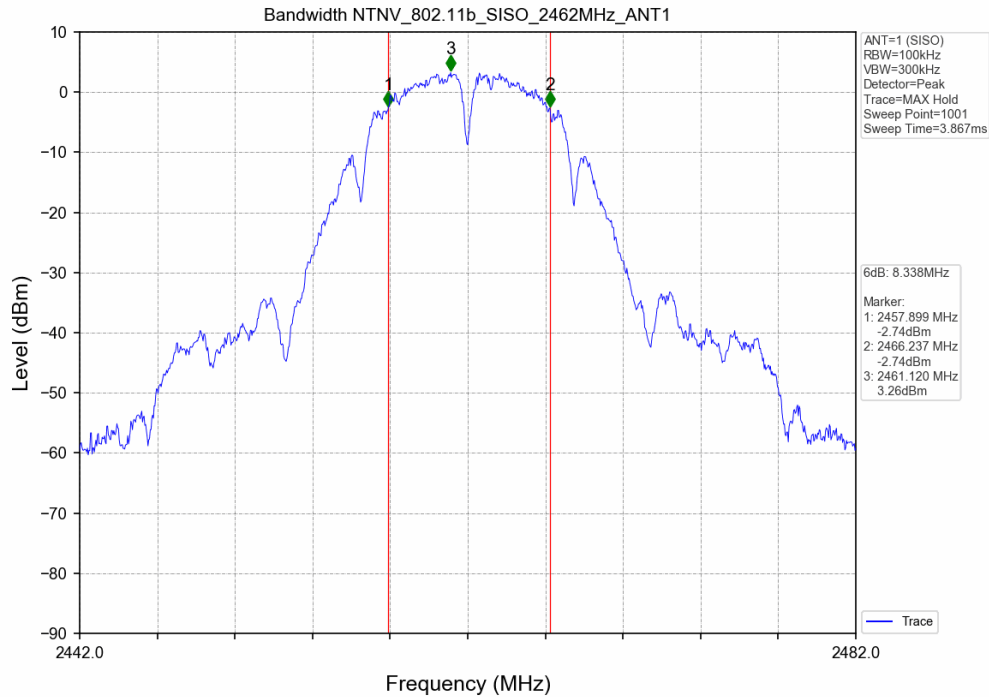
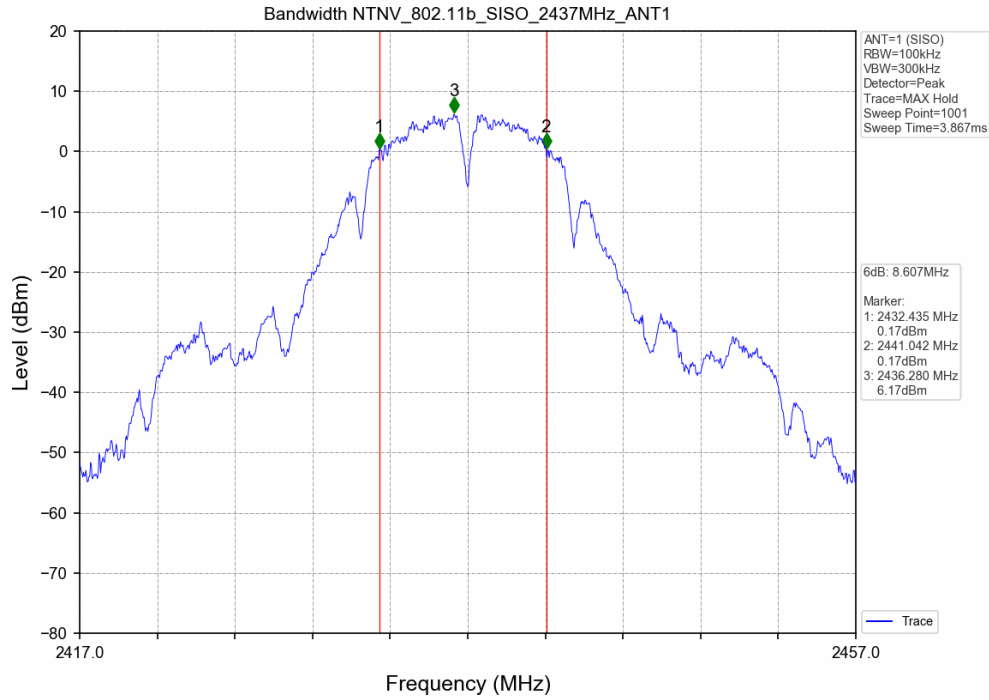
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	7.853	≥ 0.5	PASS
	2437	SISO	1	8.607	≥ 0.5	PASS
	2462	SISO	1	8.338	≥ 0.5	PASS
802.11g	2412	SISO	1	15.222	≥ 0.5	PASS
	2437	SISO	1	16.088	≥ 0.5	PASS
	2462	SISO	1	15.212	≥ 0.5	PASS
802.11n(HT20)	2412	SISO	1	15.203	≥ 0.5	PASS
	2437	SISO	1	16.338	≥ 0.5	PASS
	2462	SISO	1	15.217	≥ 0.5	PASS
802.11n(HT40)	2422	SISO	1	35.580	≥ 0.5	PASS
	2437	SISO	1	36.035	≥ 0.5	PASS
	2452	SISO	1	35.607	≥ 0.5	PASS

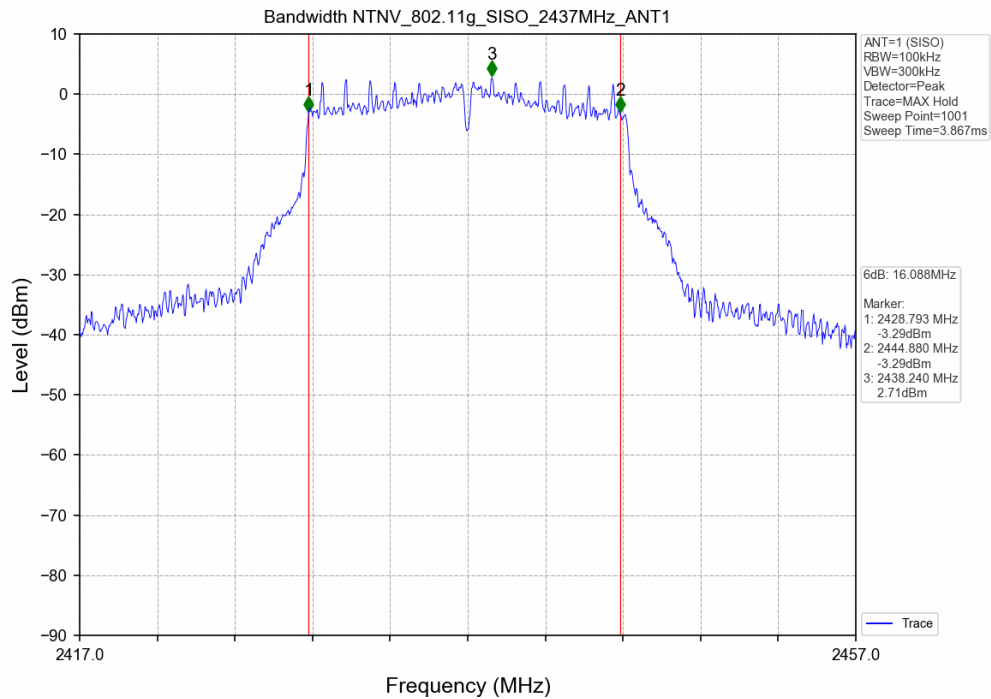
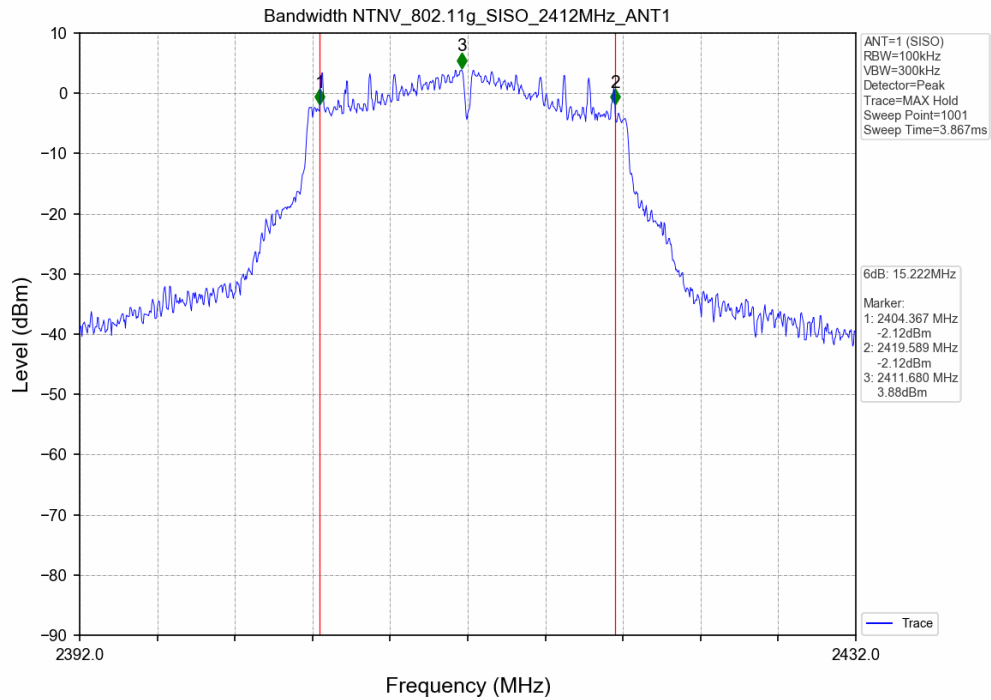
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.613	Only for Report Use
	2437	SISO	1	12.087	Only for Report Use
	2462	SISO	1	11.804	Only for Report Use
802.11g	2412	SISO	1	16.593	Only for Report Use
	2437	SISO	1	16.814	Only for Report Use
	2462	SISO	1	16.563	Only for Report Use
802.11n(HT20)	2412	SISO	1	16.569	Only for Report Use

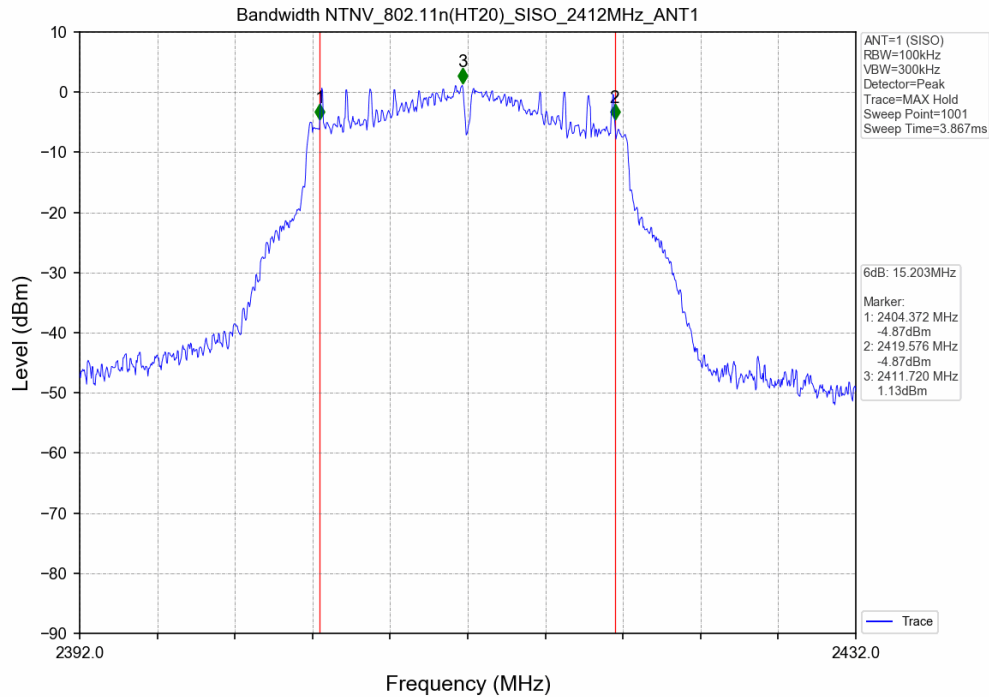
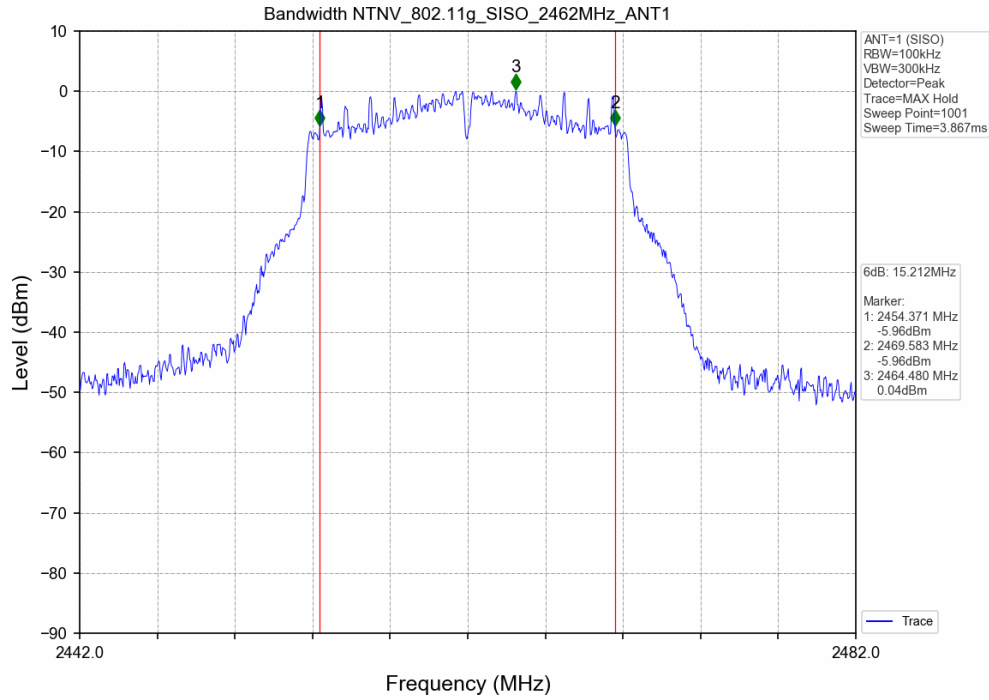
802.11n(HT40)	2437	SISO	1	16.778	Only for Report Use
	2462	SISO	1	16.568	Only for Report Use
	2422	SISO	1	36.614	Only for Report Use
	2437	SISO	1	36.680	Only for Report Use
	2452	SISO	1	36.637	Only for Report Use

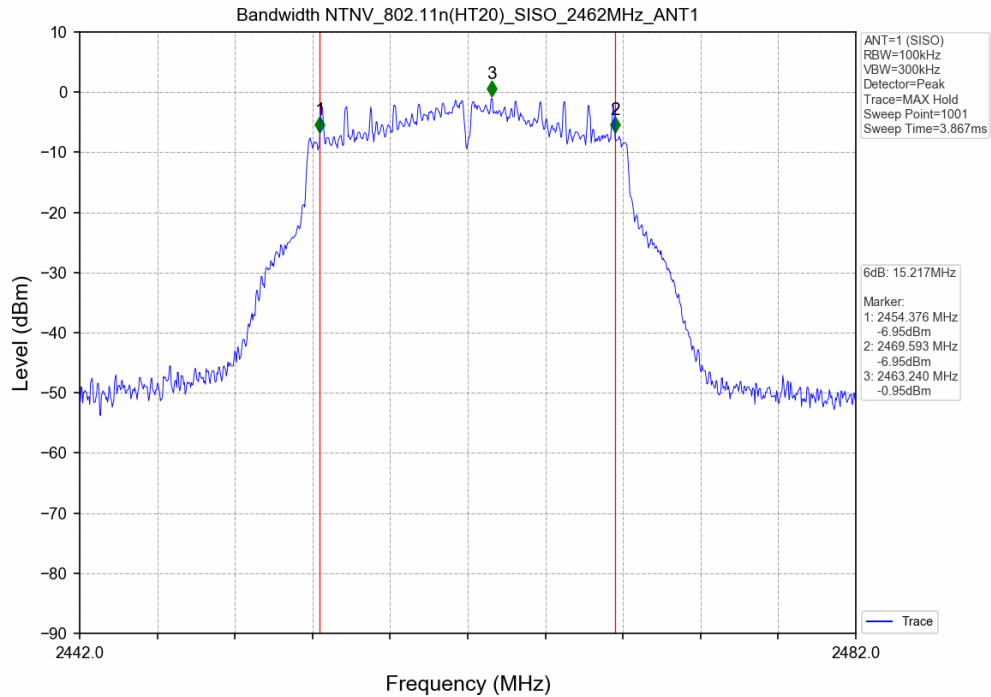
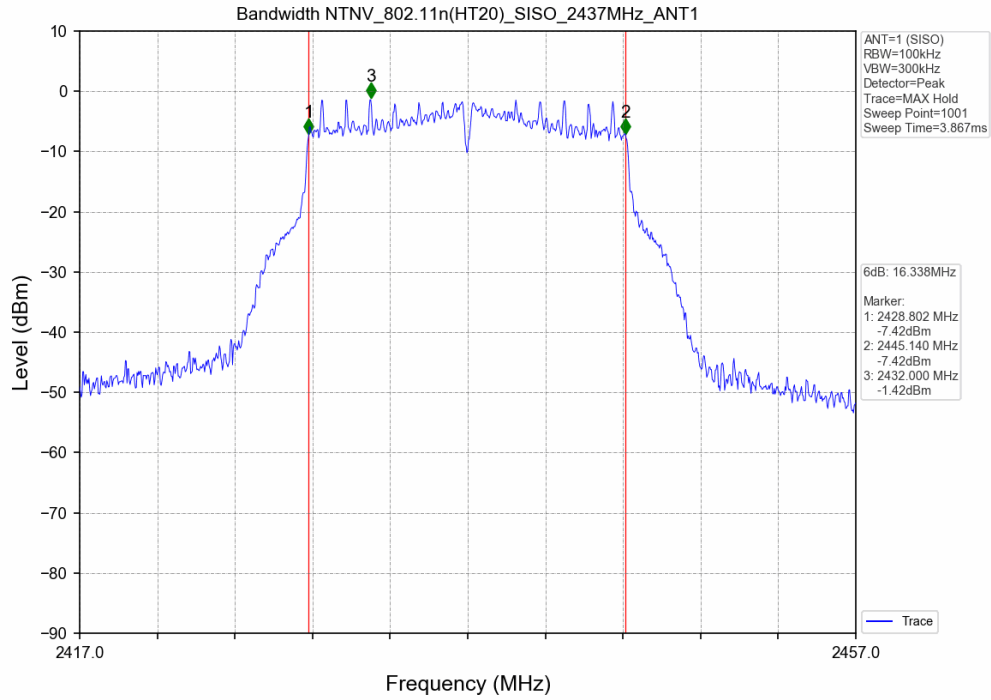
2.2 Test Graph - 6dB Bandwidth

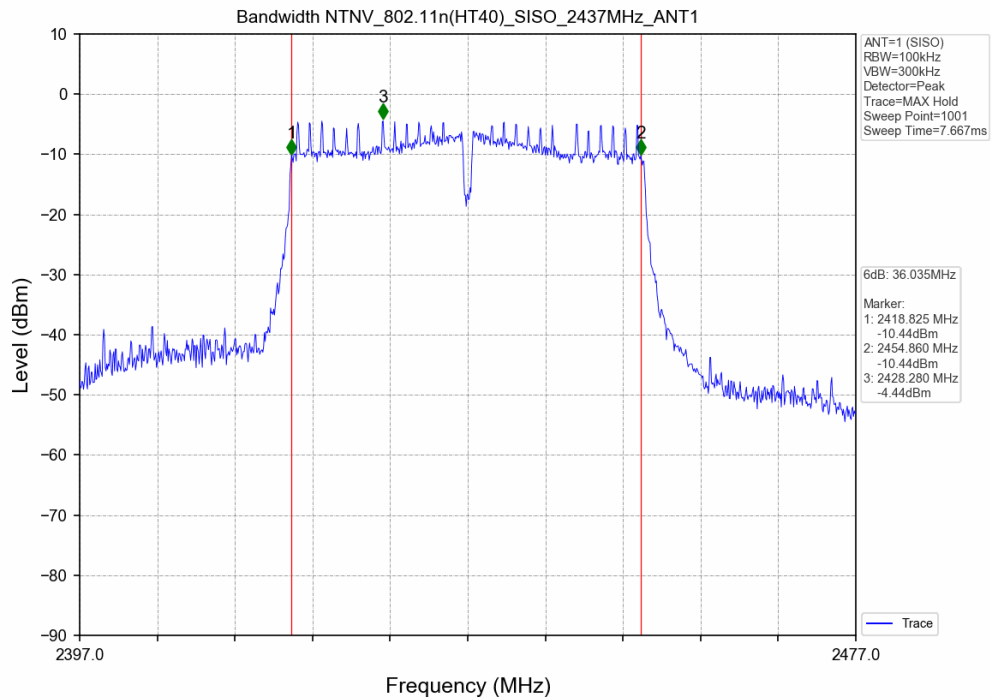
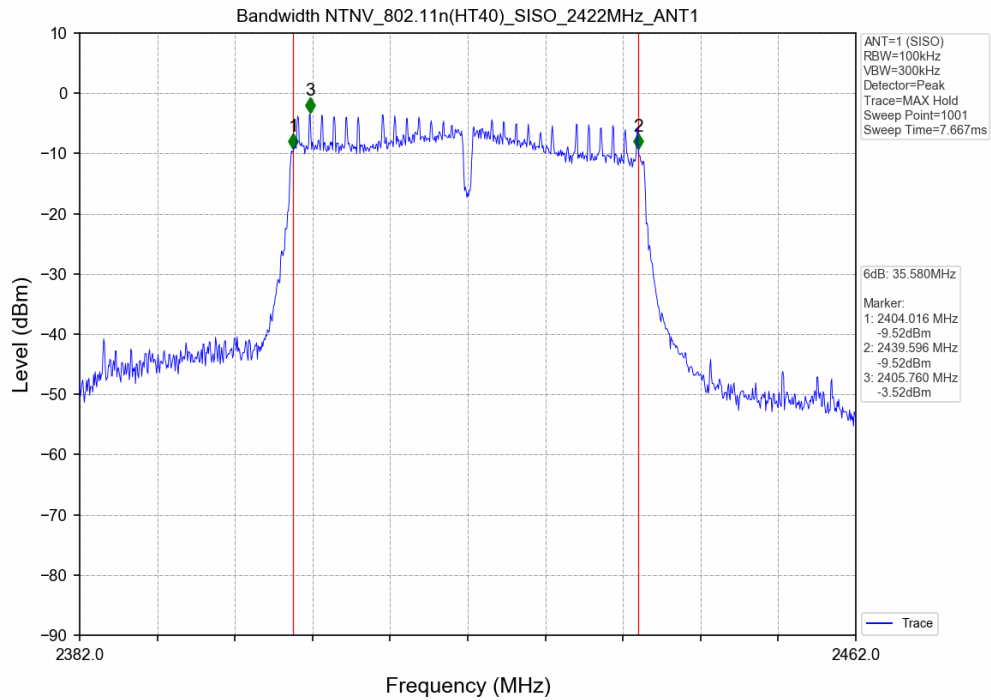


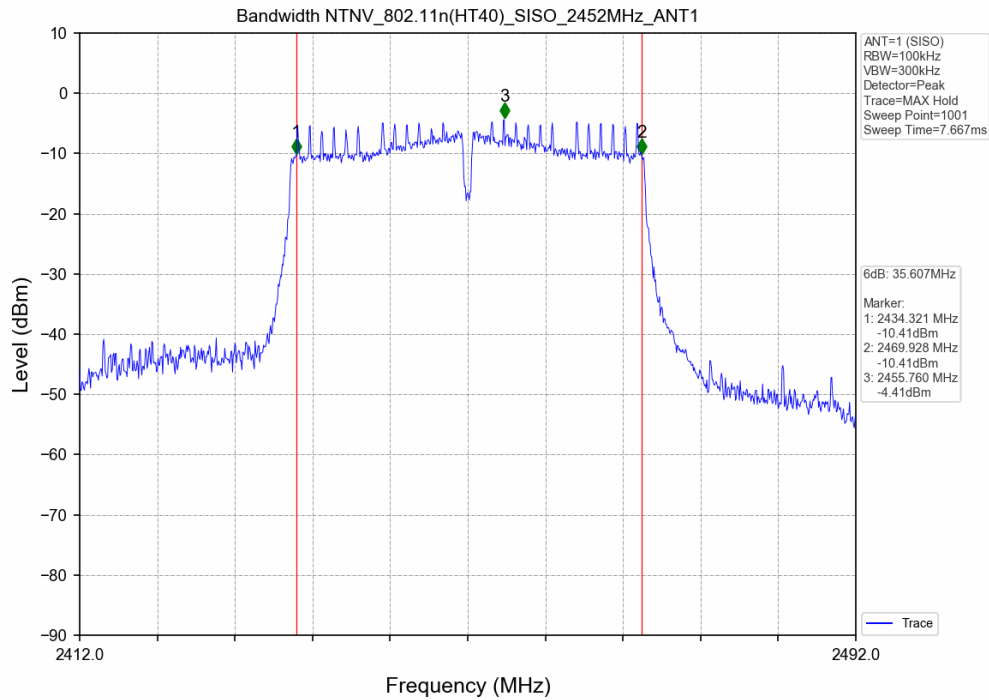




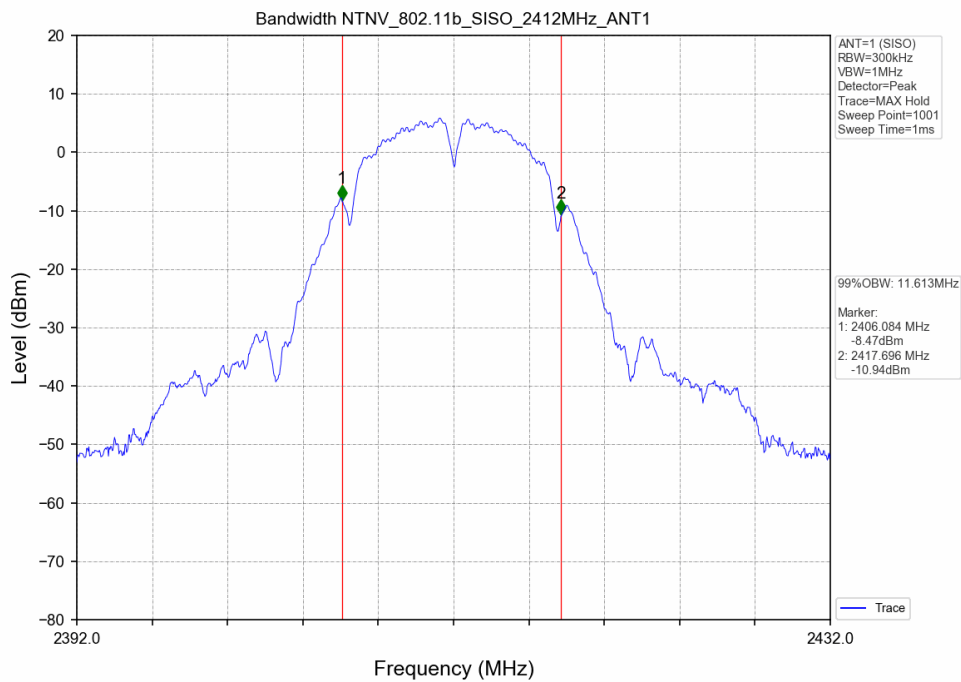


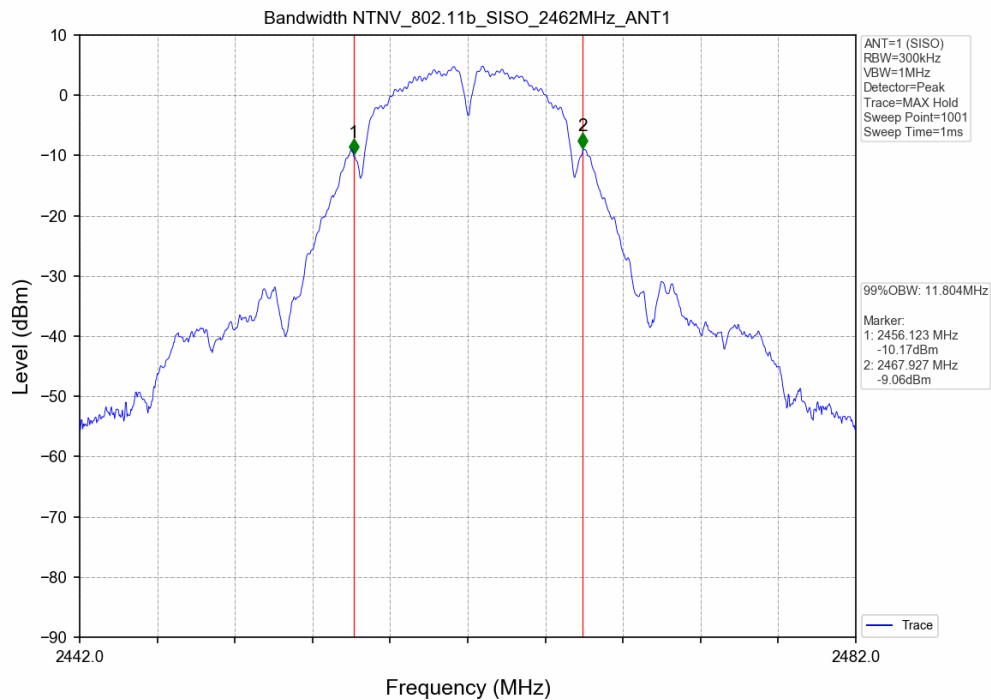
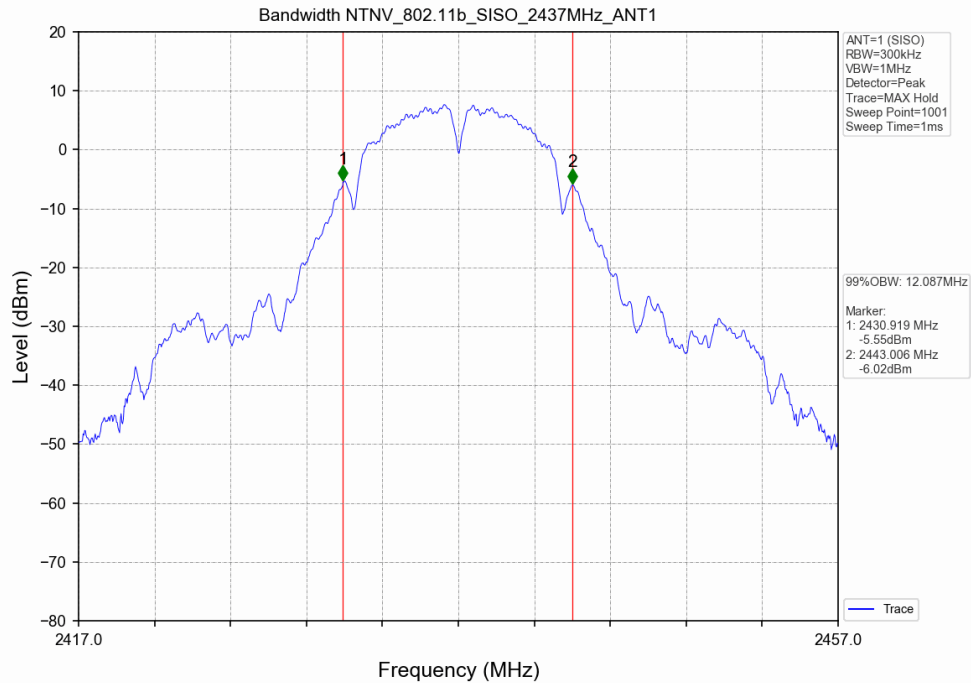


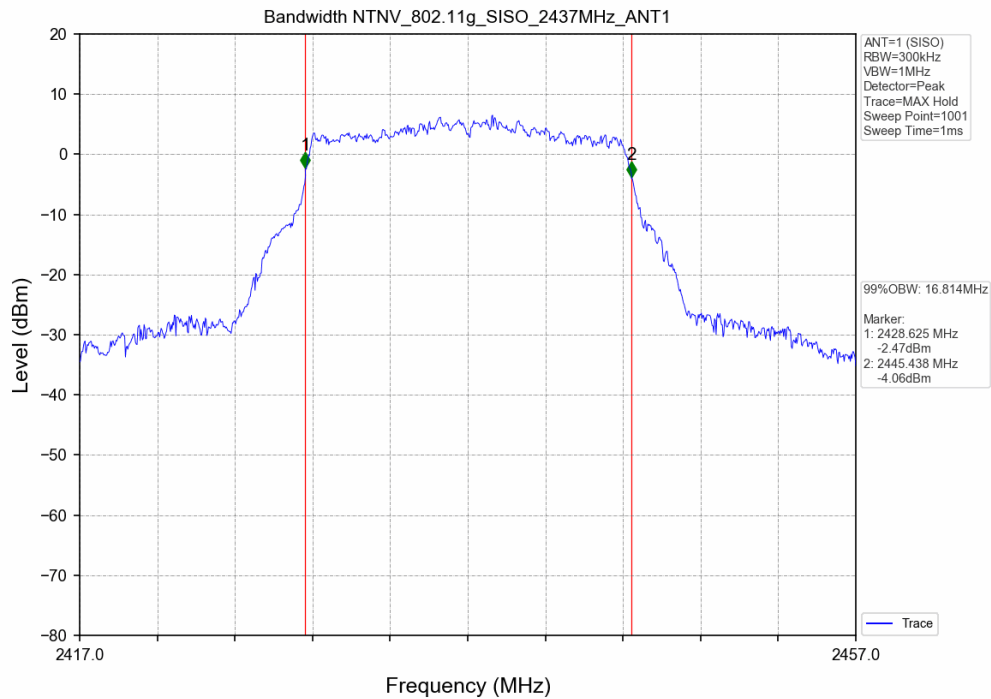
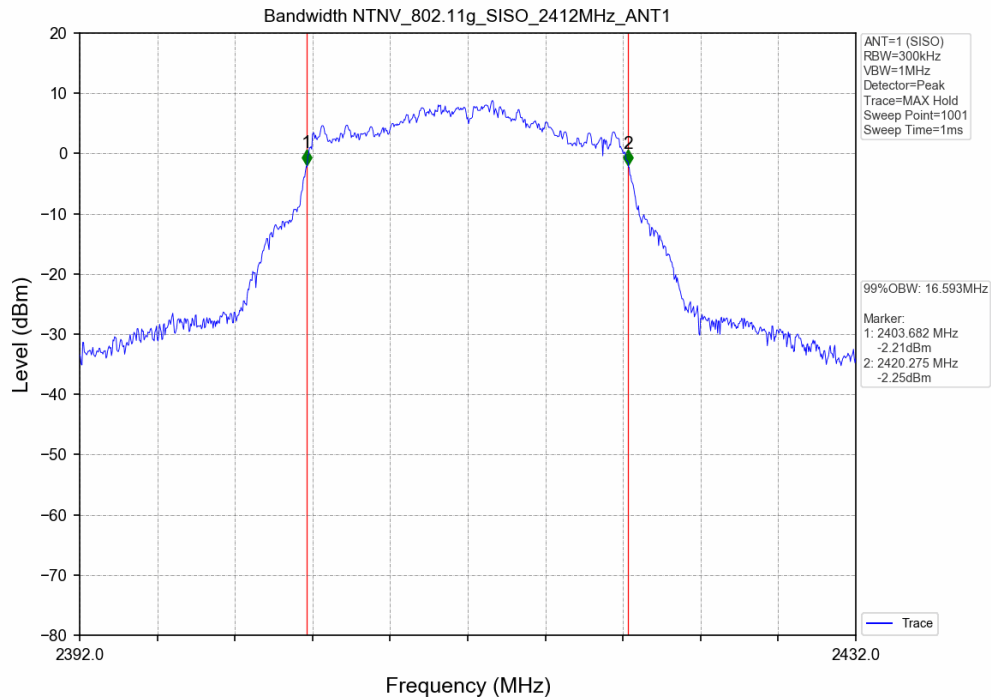


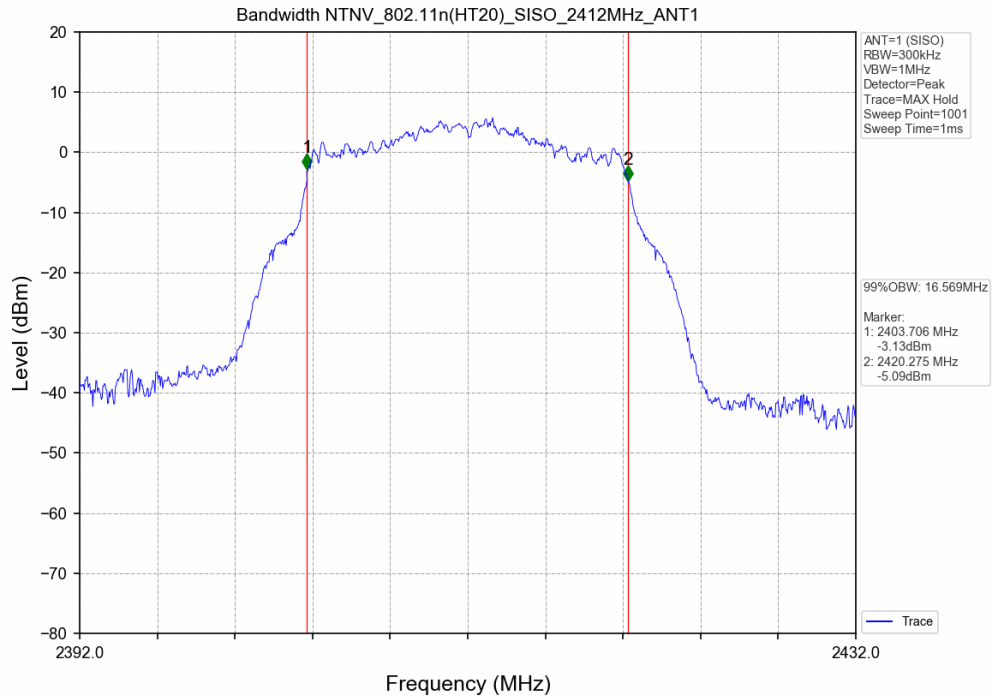
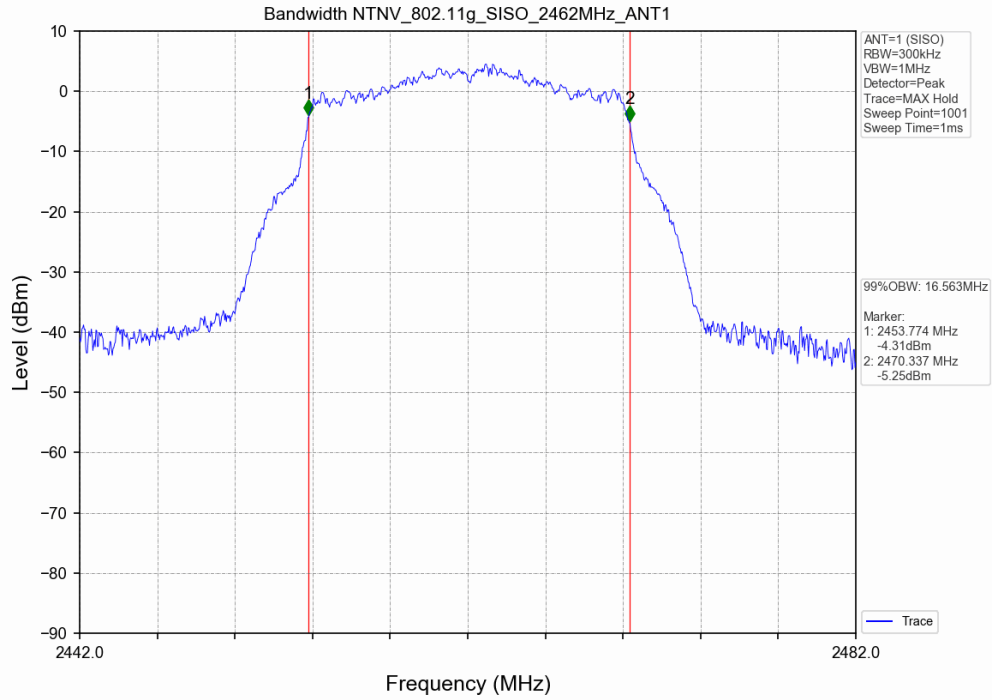


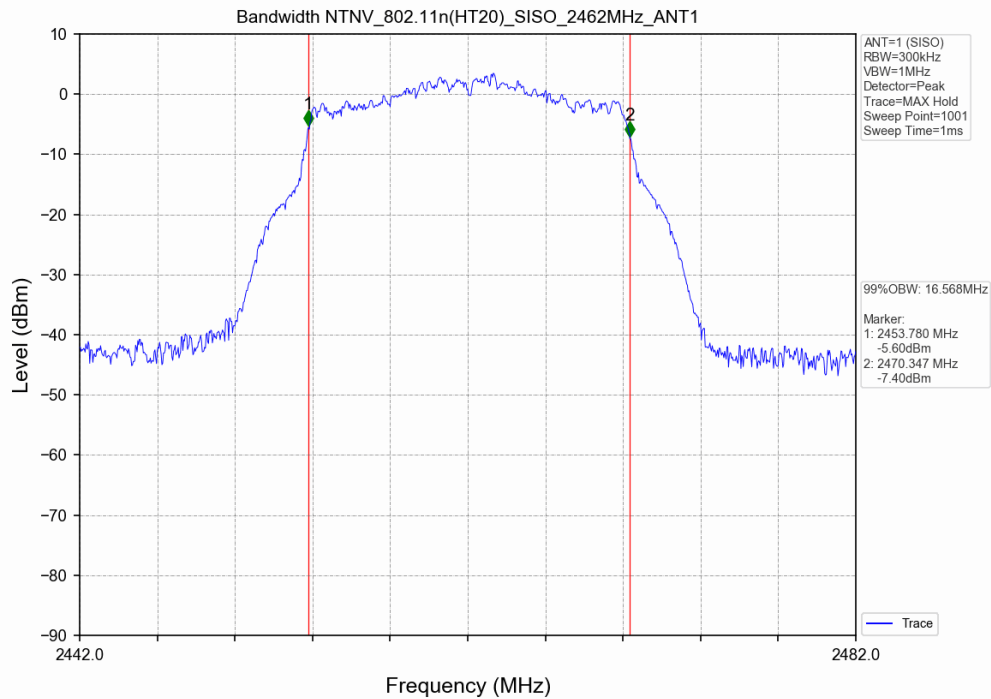
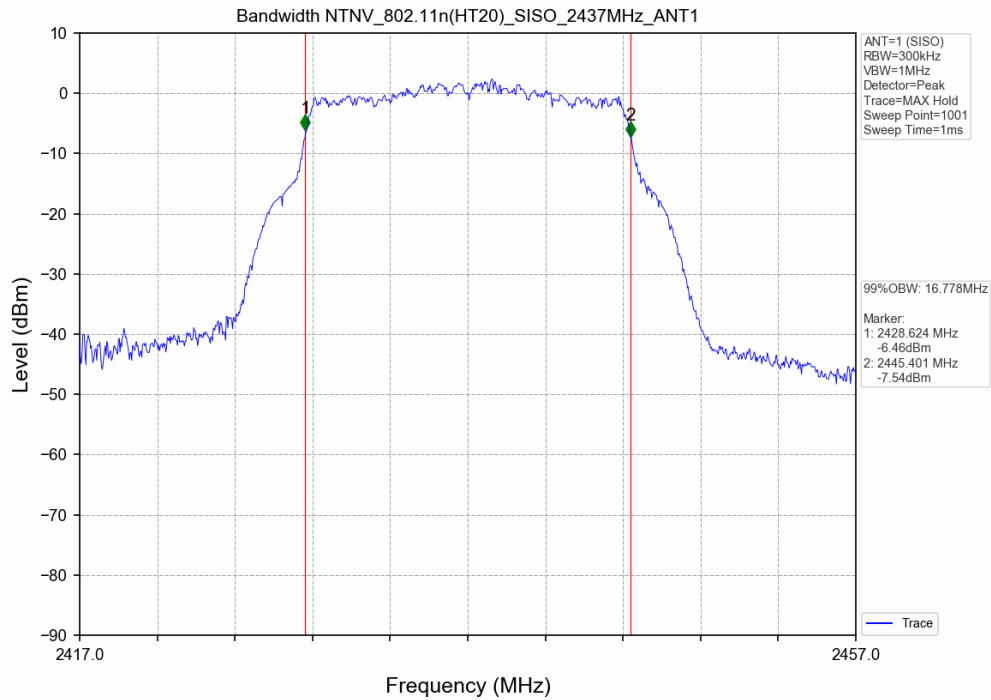
2.3 Test Graph - 99% Occupied Bandwidth

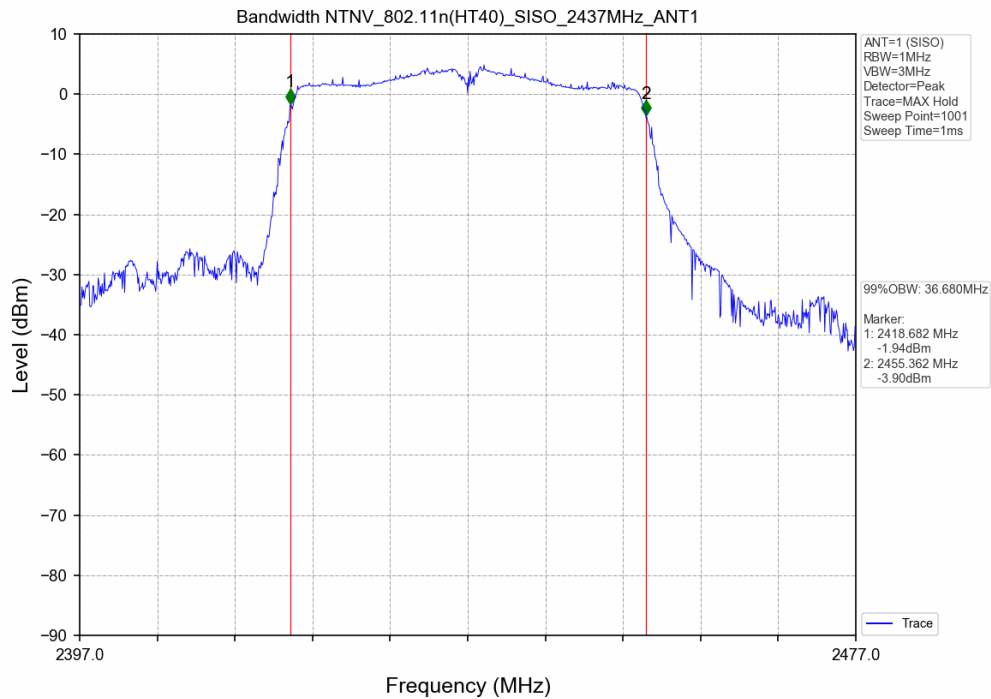
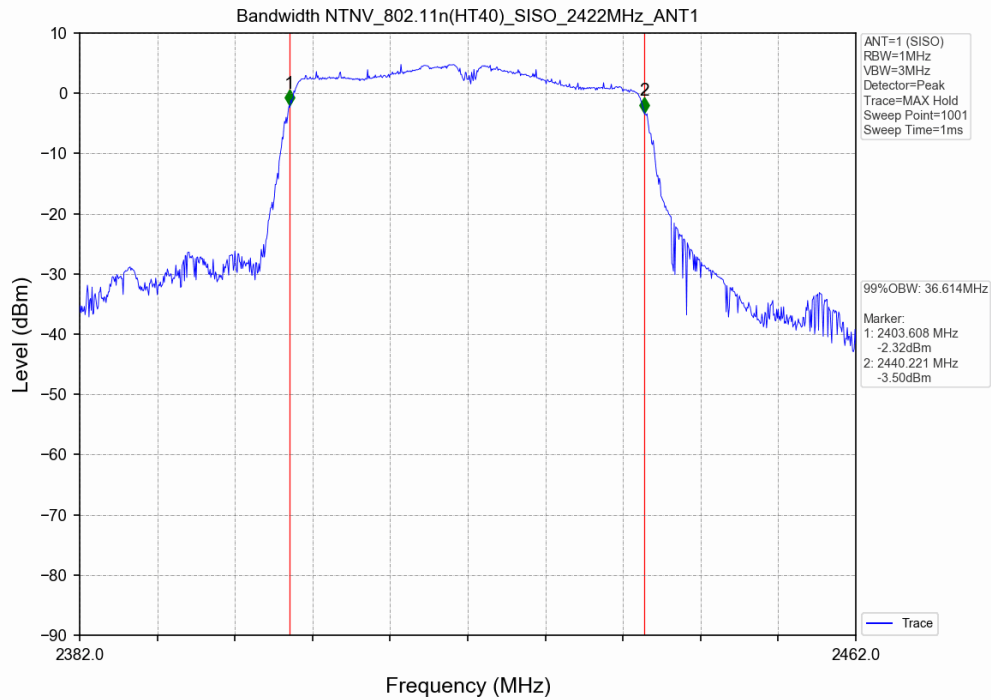


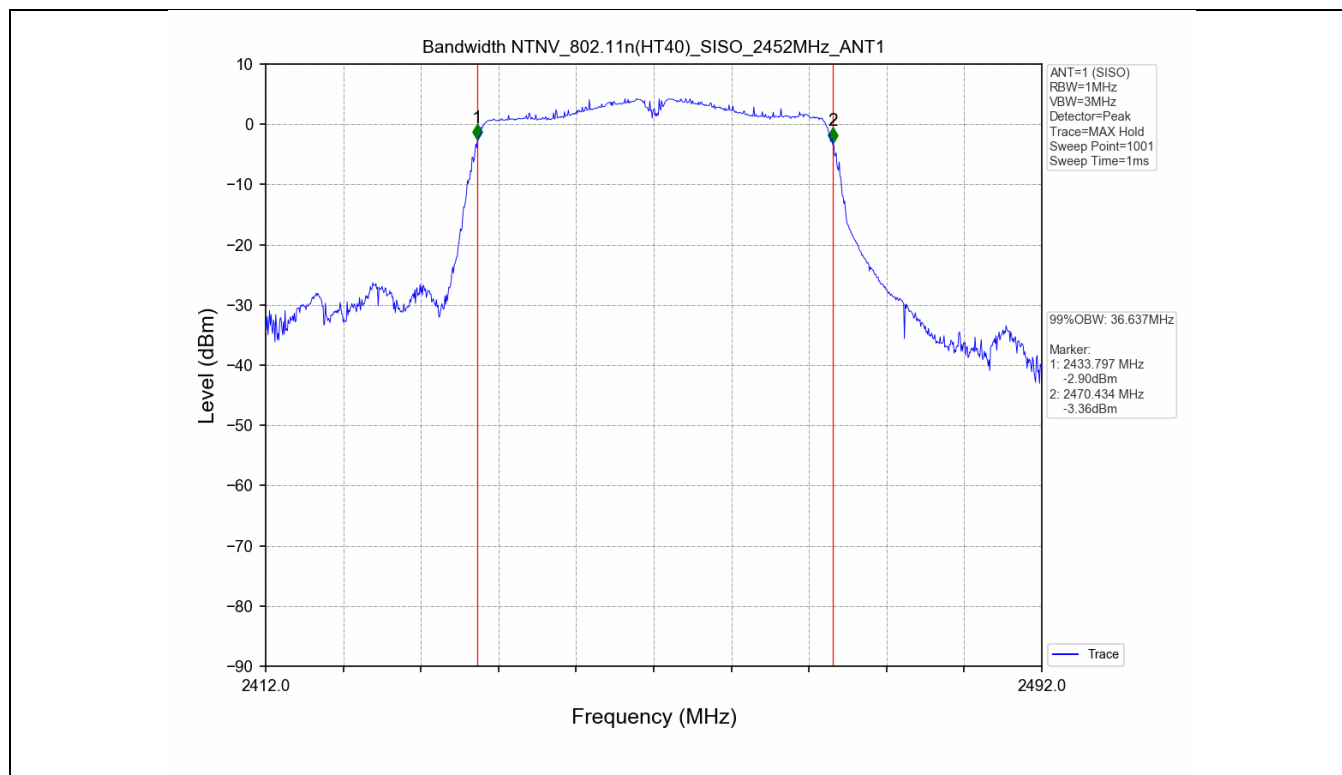










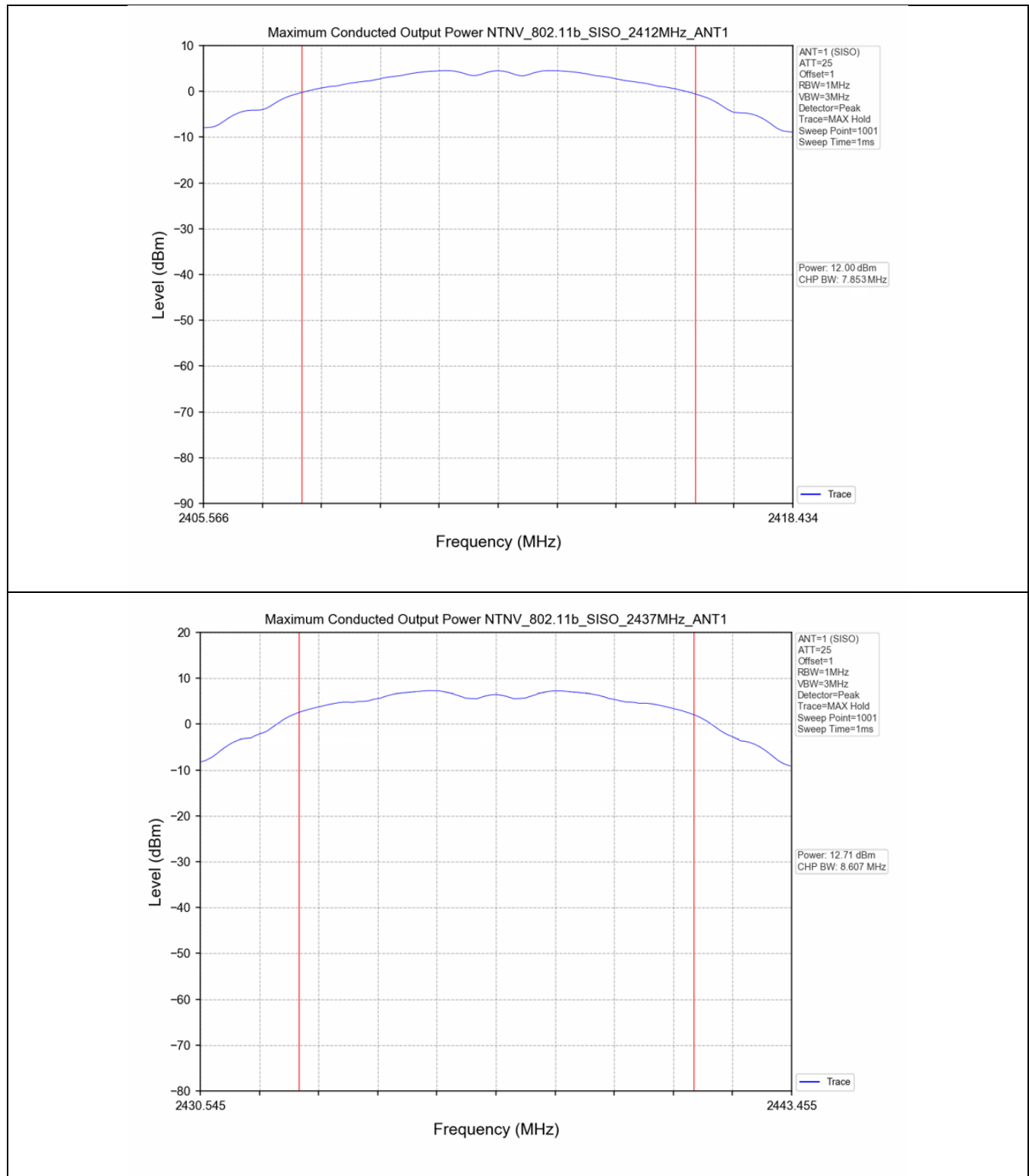


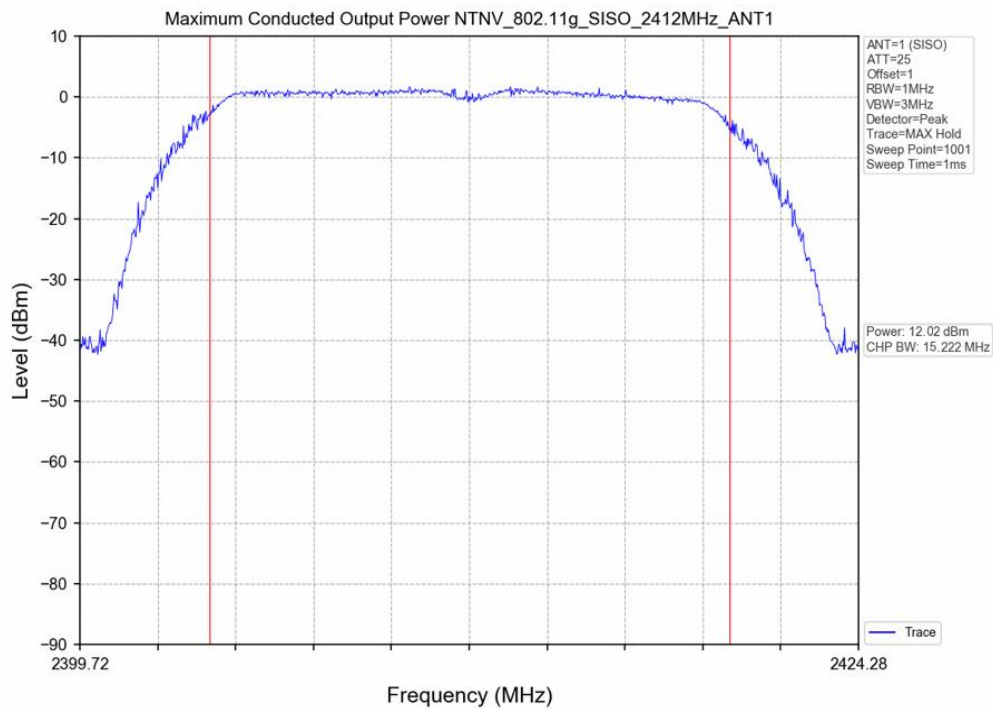
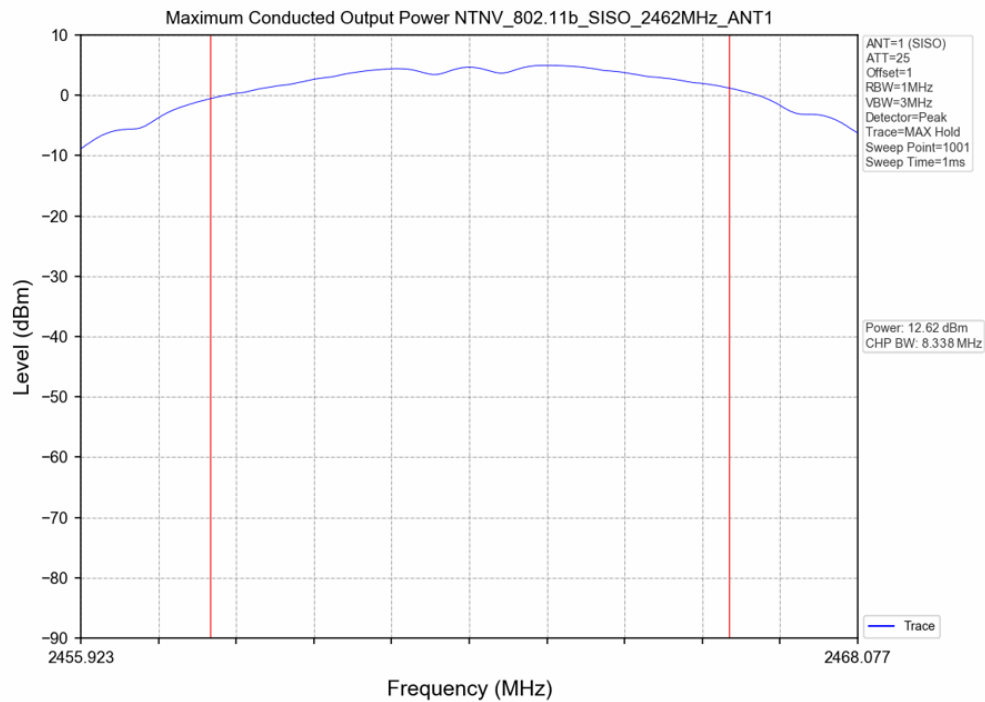
3. Maximum Conducted Output Power

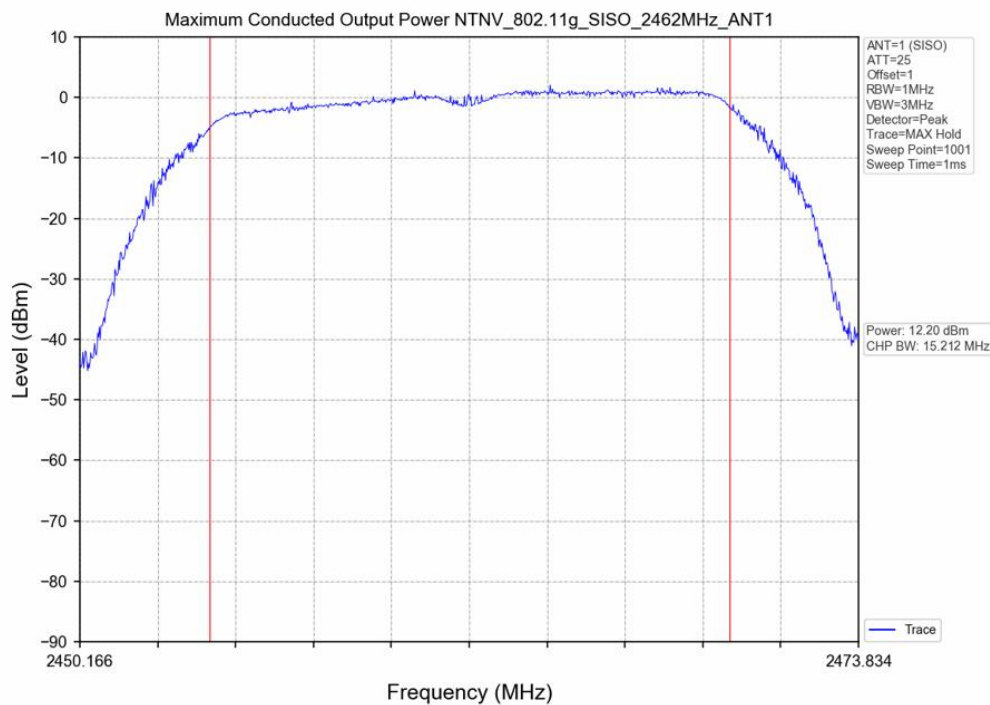
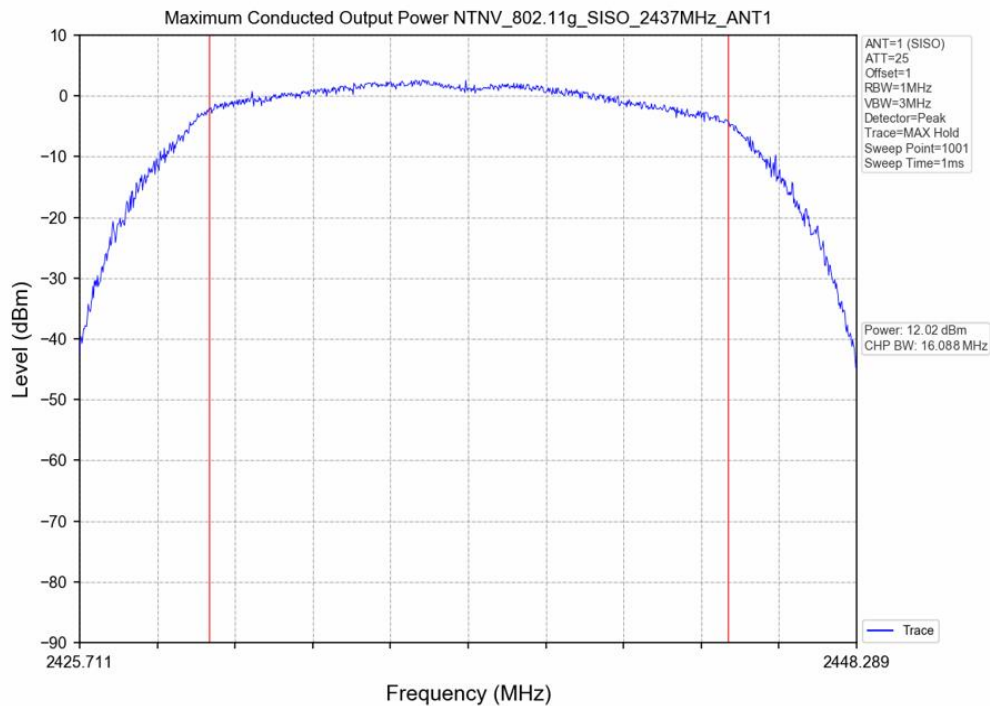
3.1 Test Result

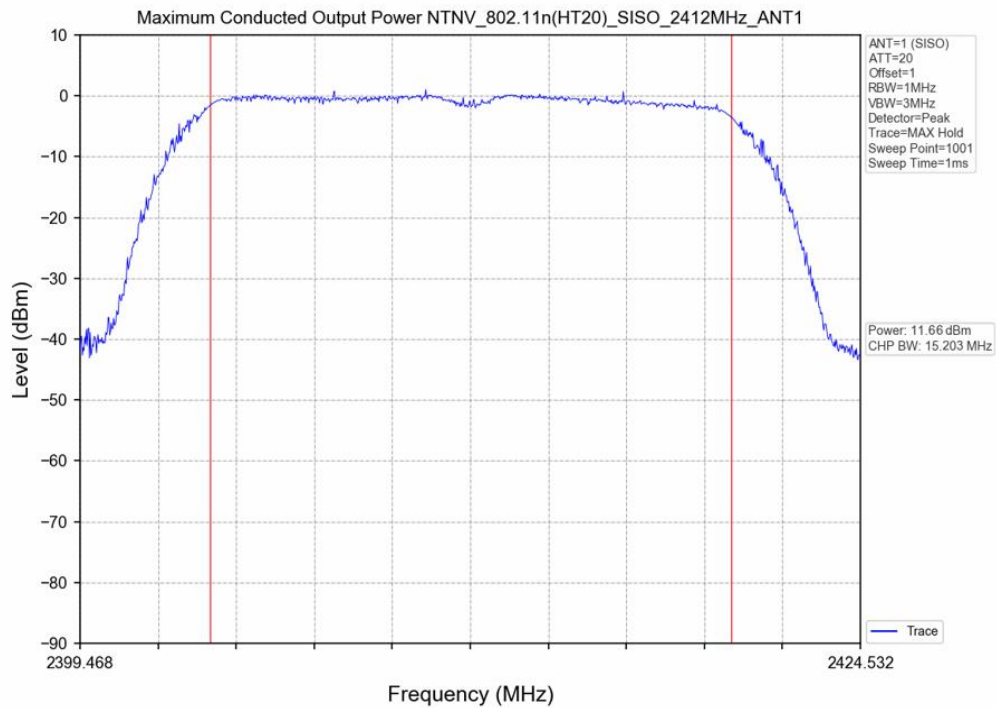
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	12.00	30	PASS
	2437	SISO	12.71	30	PASS
	2462	SISO	12.62	30	PASS
802.11g	2412	SISO	12.02	30	PASS
	2437	SISO	12.02	30	PASS
	2462	SISO	12.20	30	PASS
802.11n(HT20)	2412	SISO	11.66	30	PASS
	2437	SISO	12.33	30	PASS
	2462	SISO	12.12	30	PASS
802.11n(HT40)	2422	SISO	12.60	30	PASS
	2437	SISO	12.16	30	PASS
	2452	SISO	12.03	30	PASS

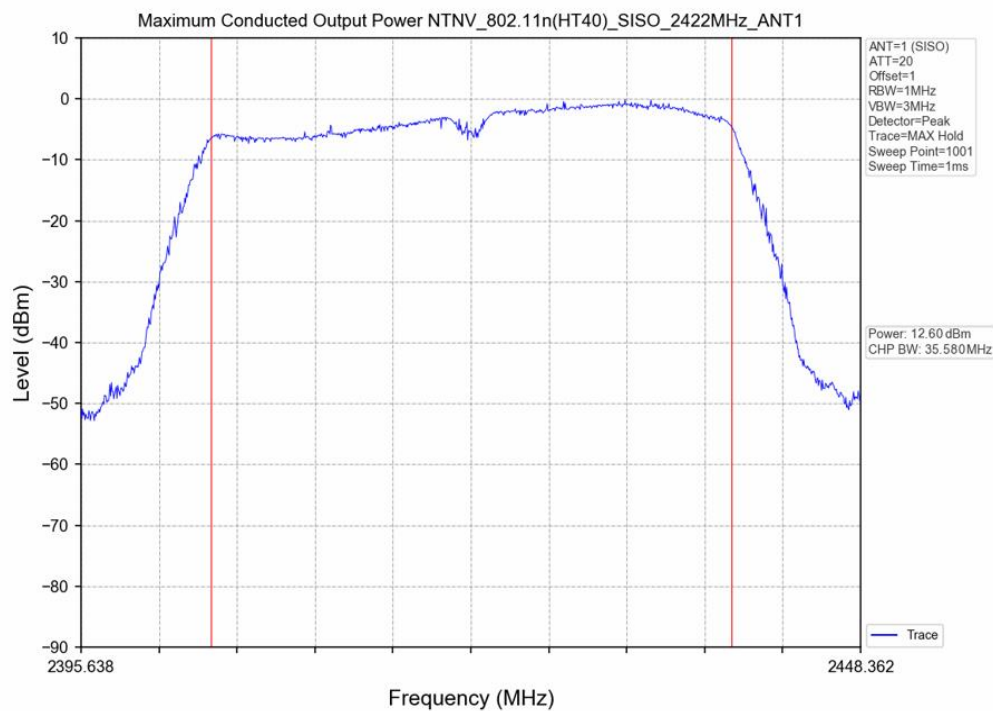
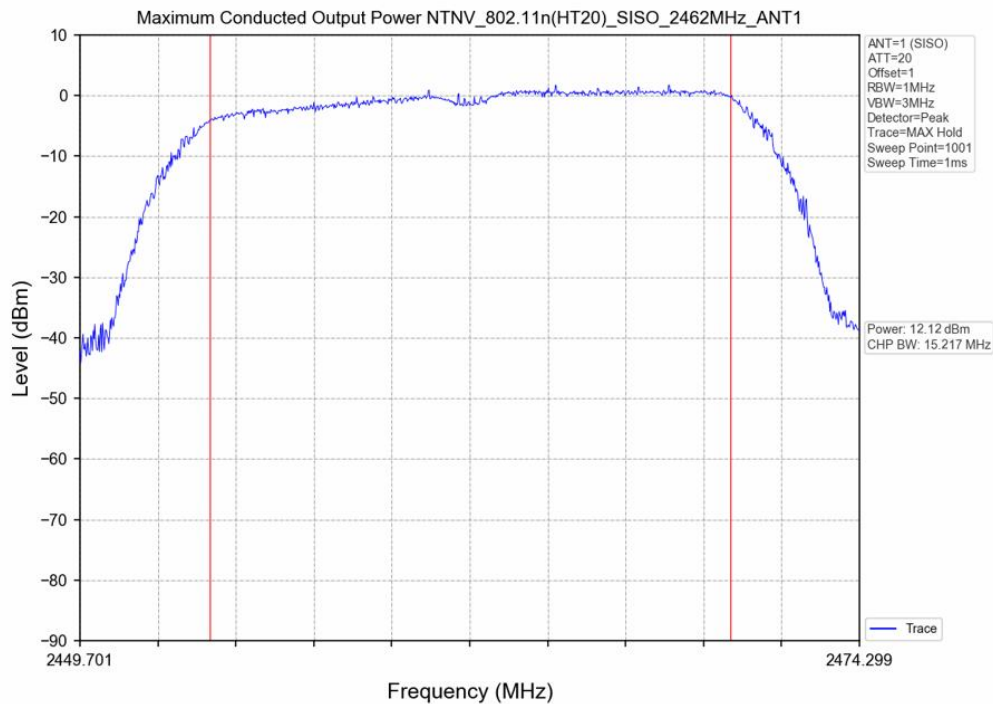
Test Graph

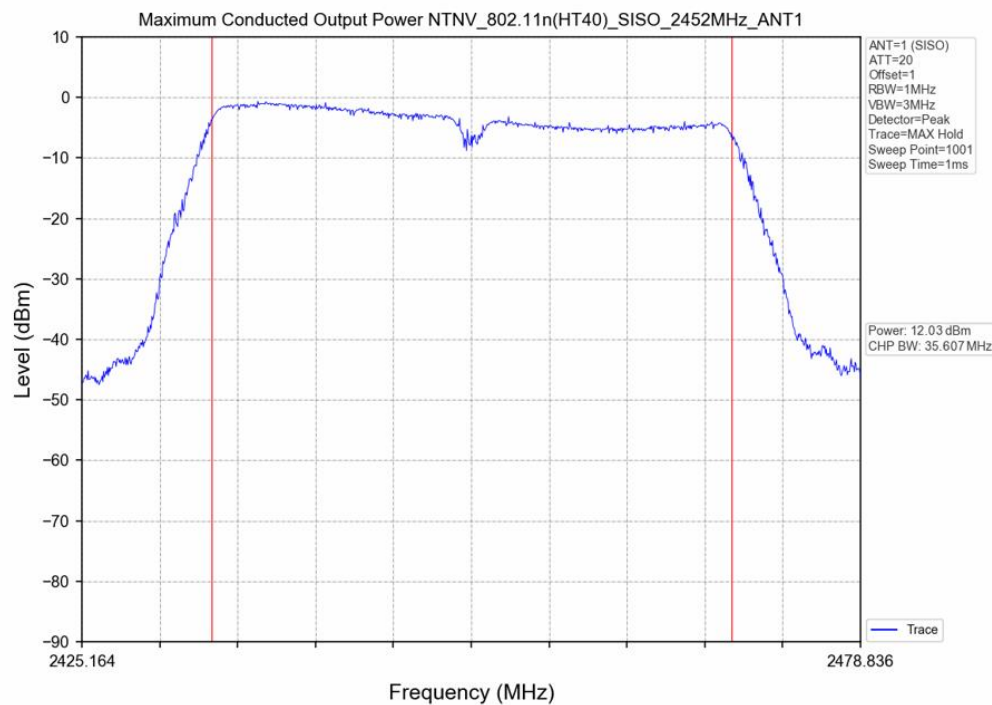
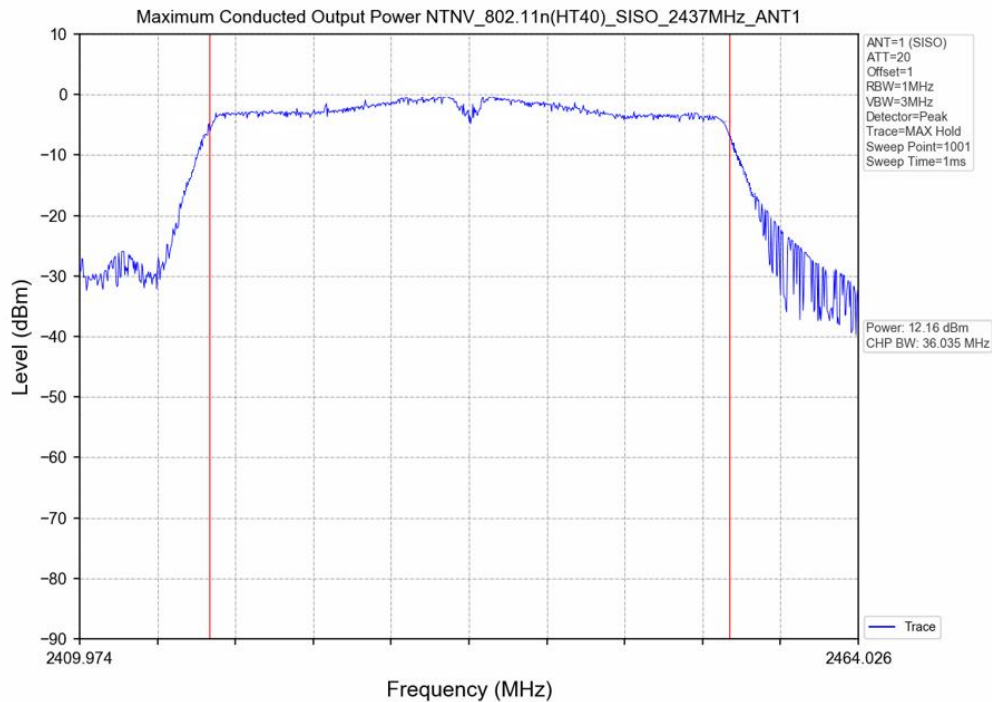










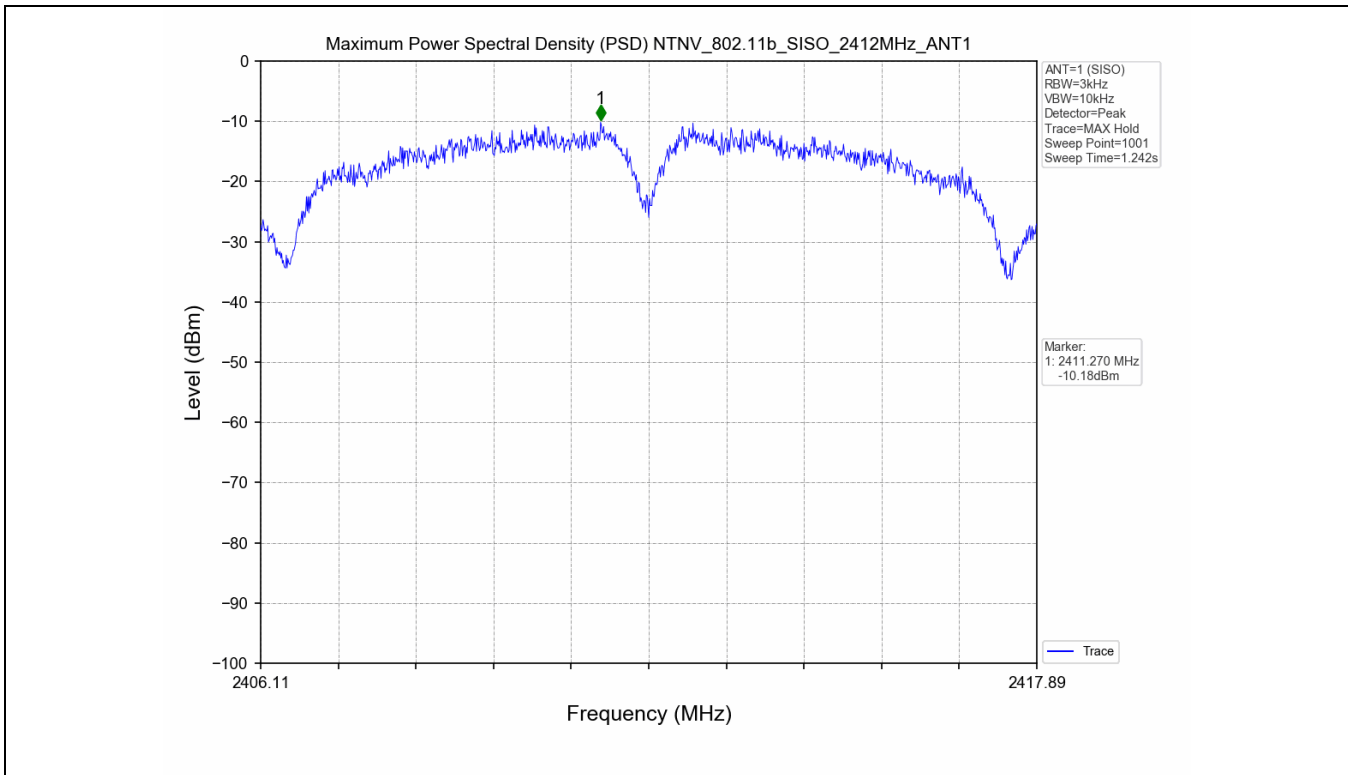


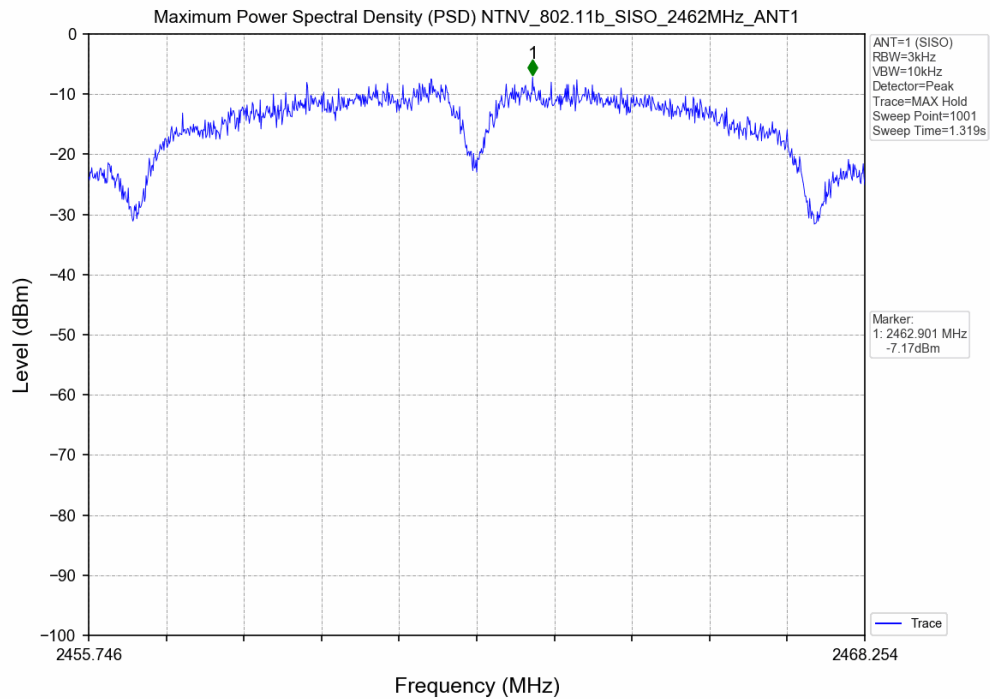
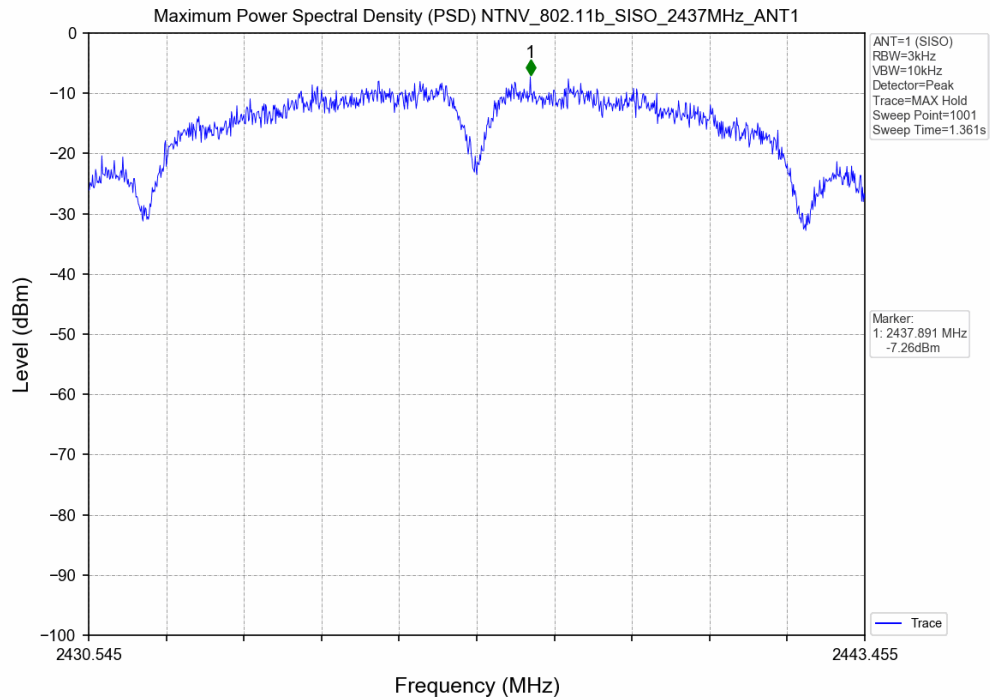
4. Maximum Power Spectral Density (PSD)

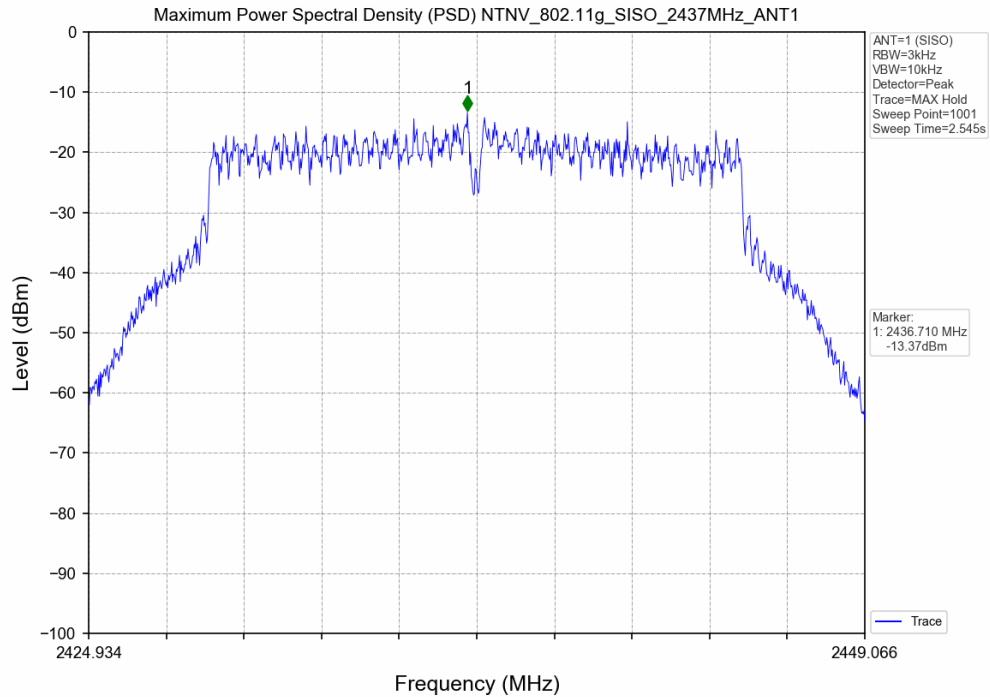
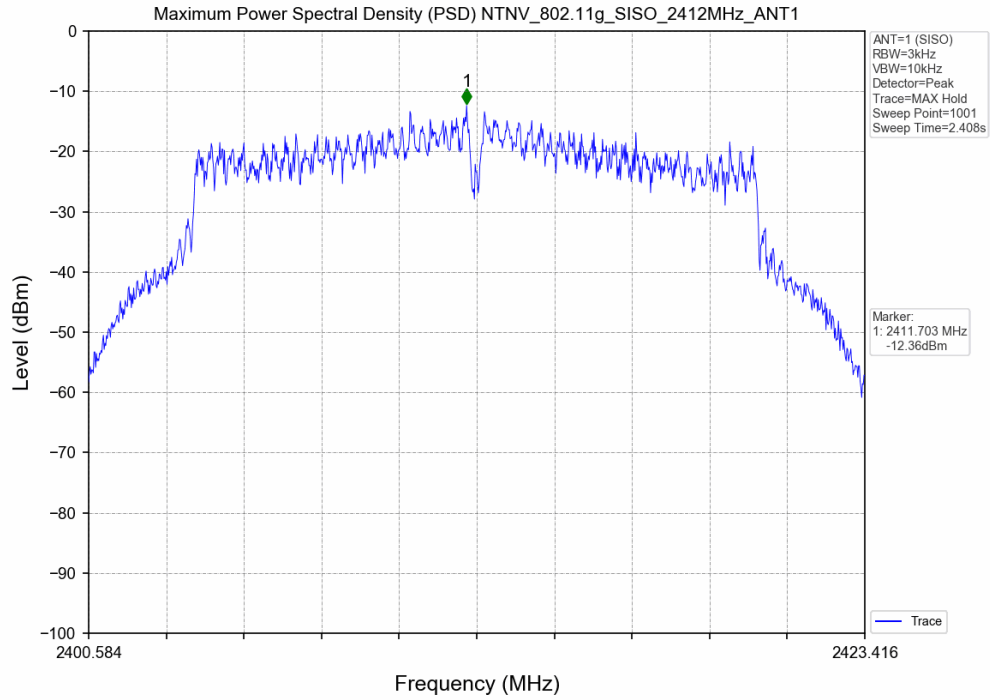
4.1 Test Result

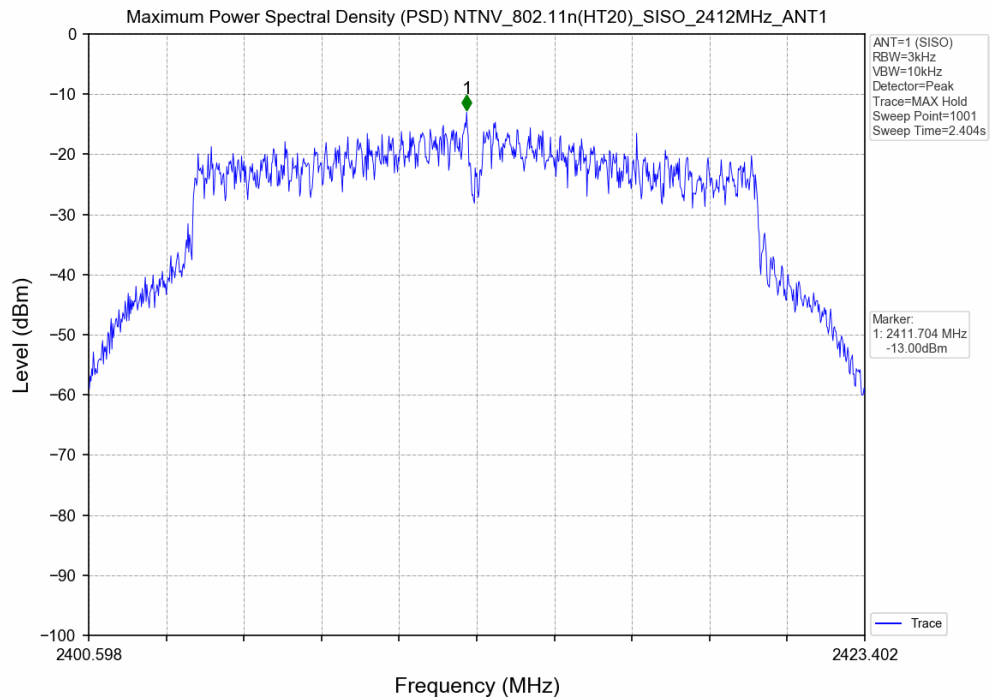
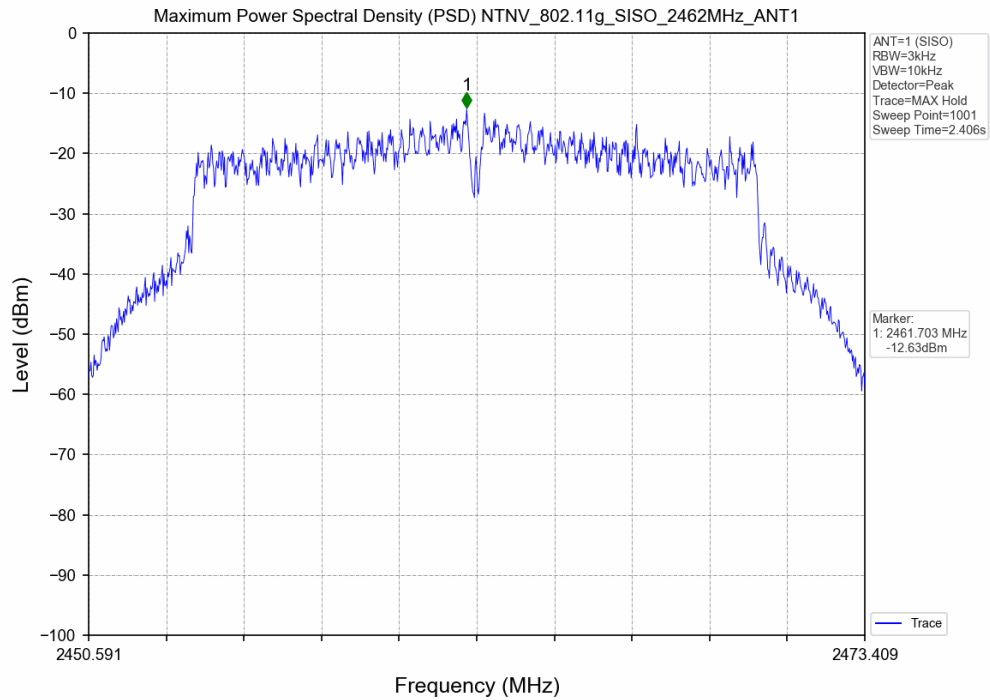
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-10.18	≤8	PASS
	2437	SISO	-7.26	≤8	PASS
	2462	SISO	-7.17	≤8	PASS
802.11g	2412	SISO	-12.36	≤8	PASS
	2437	SISO	-13.37	≤8	PASS
	2462	SISO	-12.63	≤8	PASS
802.11n(HT20)	2412	SISO	-13.00	≤8	PASS
	2437	SISO	-13.06	≤8	PASS
	2462	SISO	-12.99	≤8	PASS
802.11n(HT40)	2422	SISO	-16.77	≤8	PASS
	2437	SISO	-17.74	≤8	PASS
	2452	SISO	-17.04	≤8	PASS

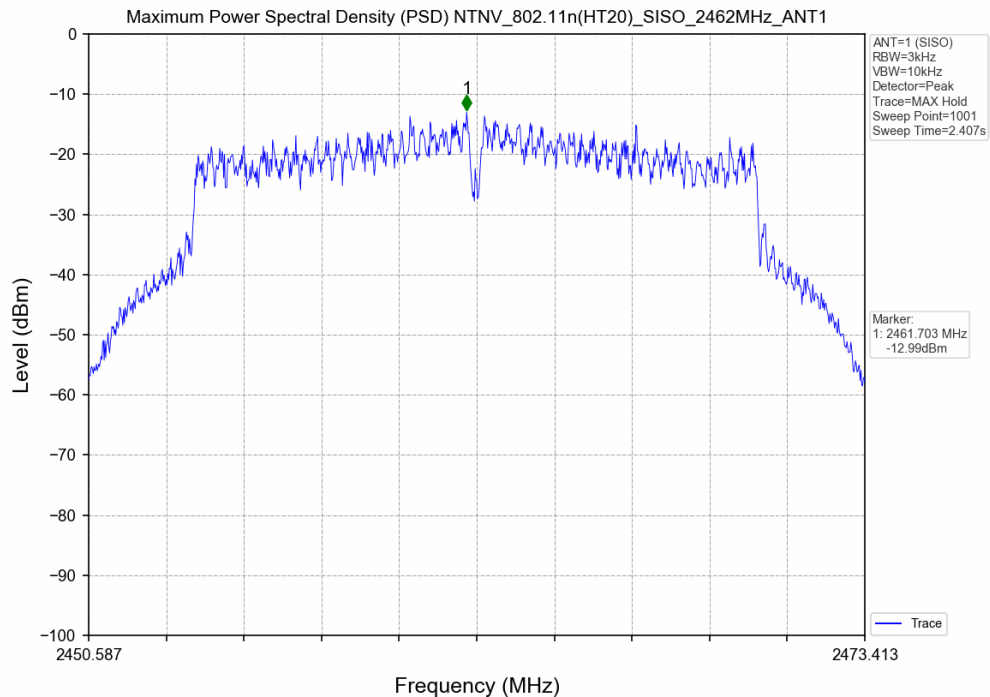
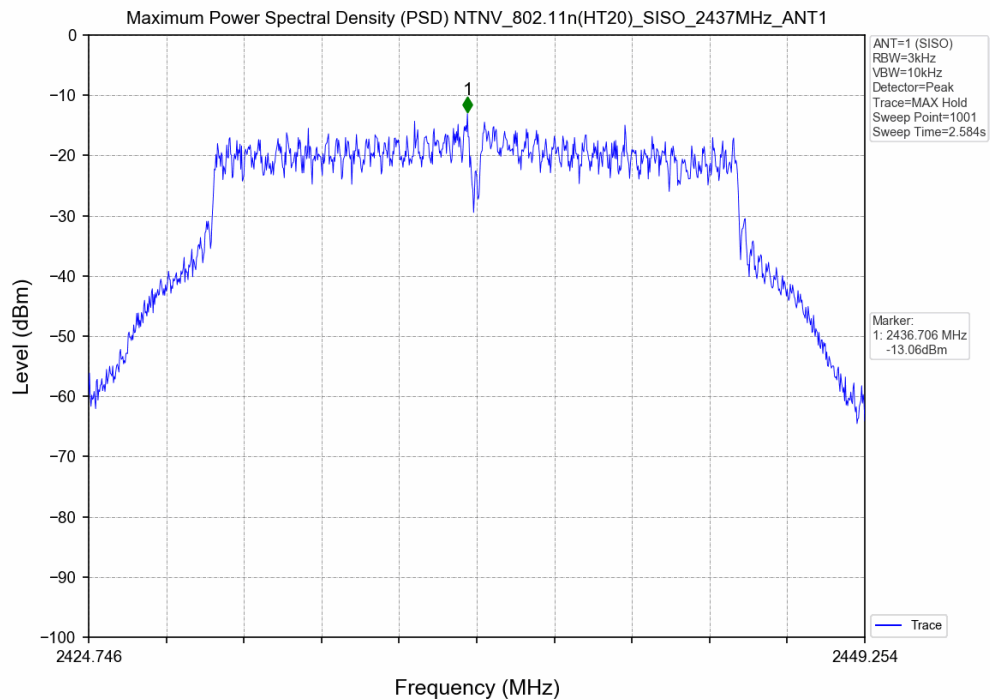
4.2 Test Graph

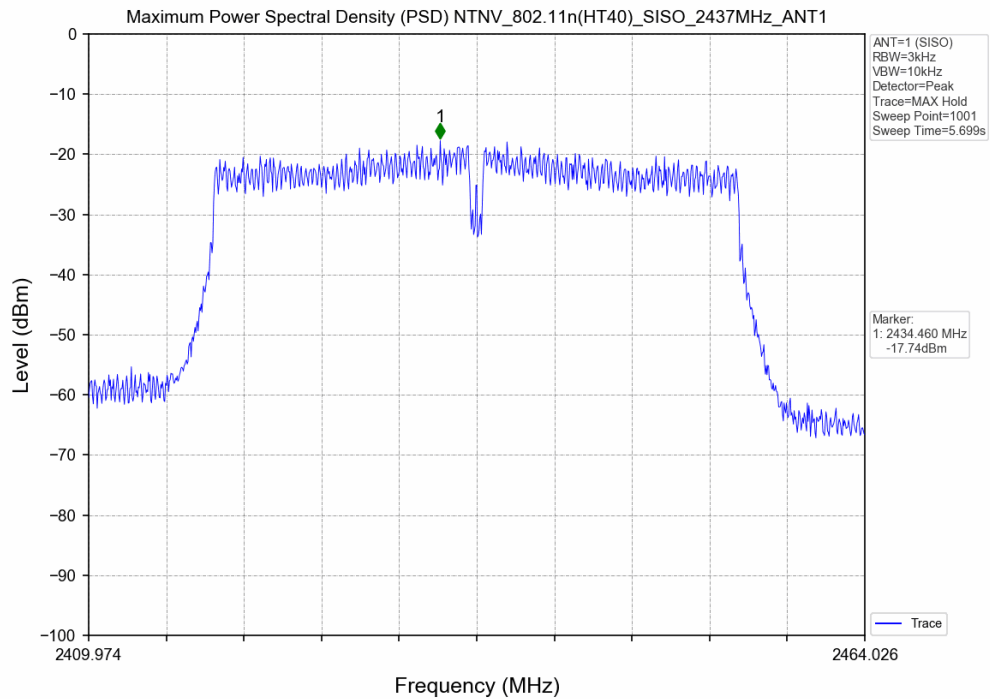
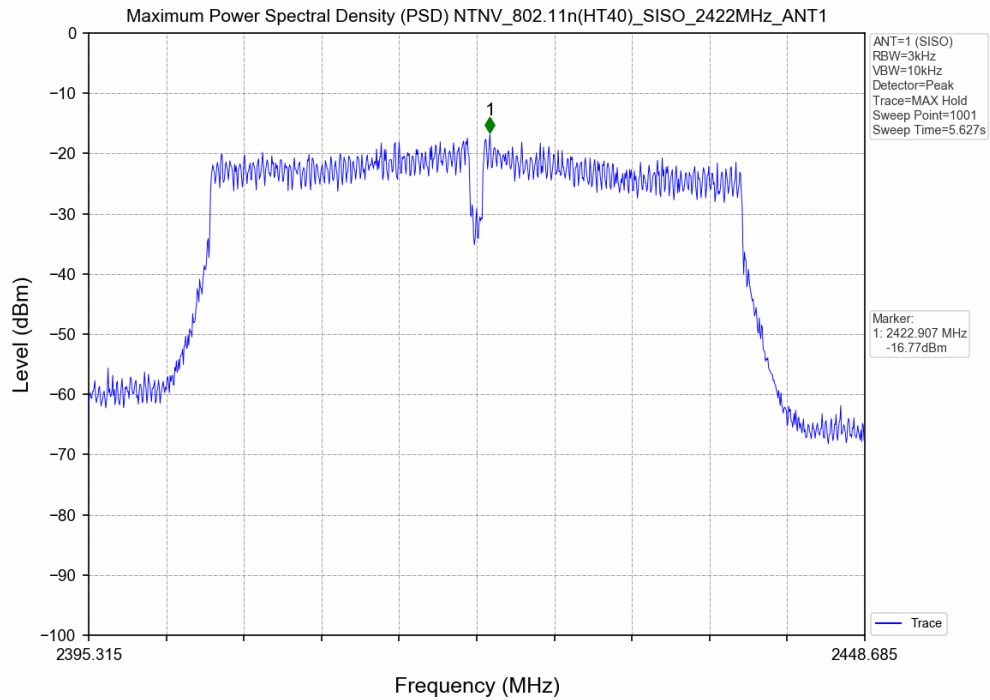


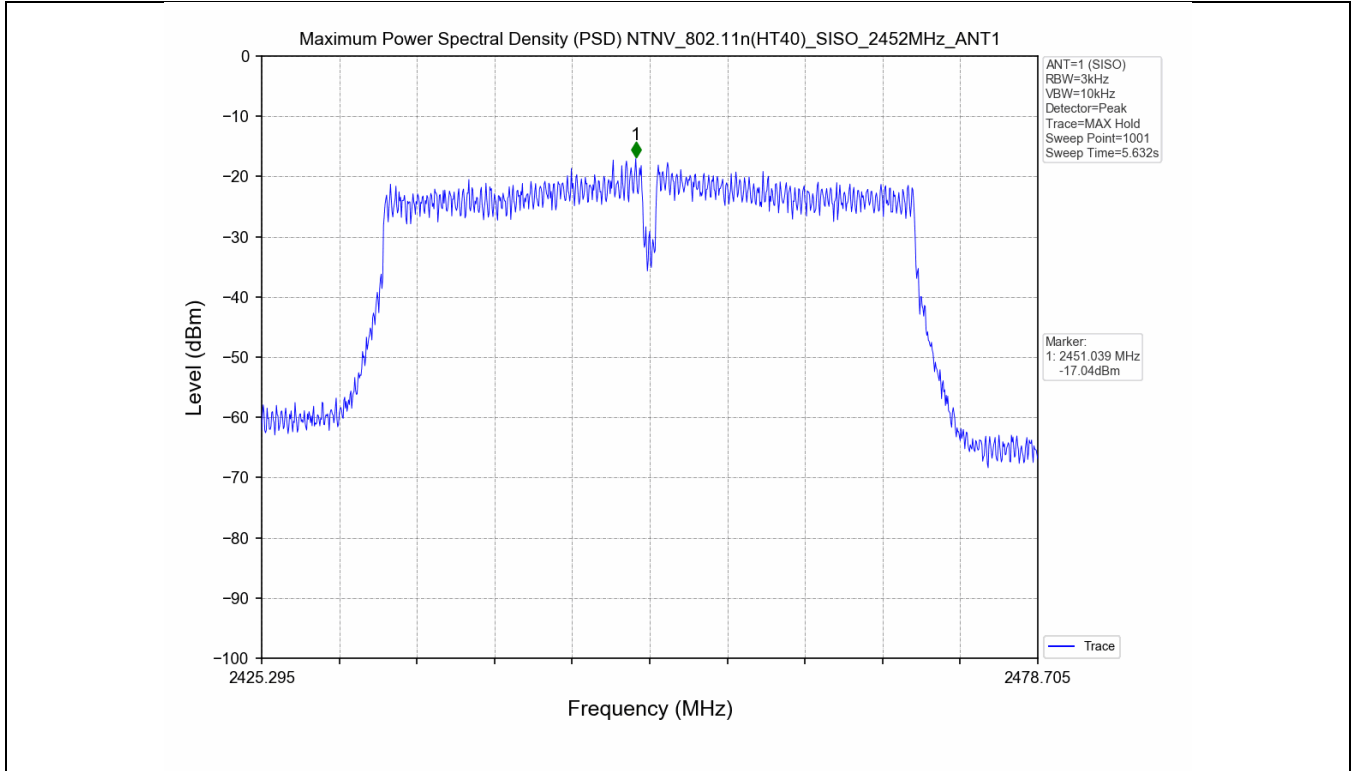












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-13.30	PASS
	2437	SISO	1	Refer to test graph	-13.30	PASS
	2462	SISO	1	Refer to test graph	-13.30	PASS
802.11g	2412	SISO	1	Refer to test graph	-15.88	PASS
	2437	SISO	1	Refer to test graph	-15.88	PASS
	2462	SISO	1	Refer to test graph	-15.88	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.96	PASS
	2437	SISO	1	Refer to test graph	-18.96	PASS
	2462	SISO	1	Refer to test graph	-18.96	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-23.51	PASS
	2437	SISO	1	Refer to test graph	-23.51	PASS
	2452	SISO	1	Refer to test graph	-23.51	PASS

5.2 Test Graph

