

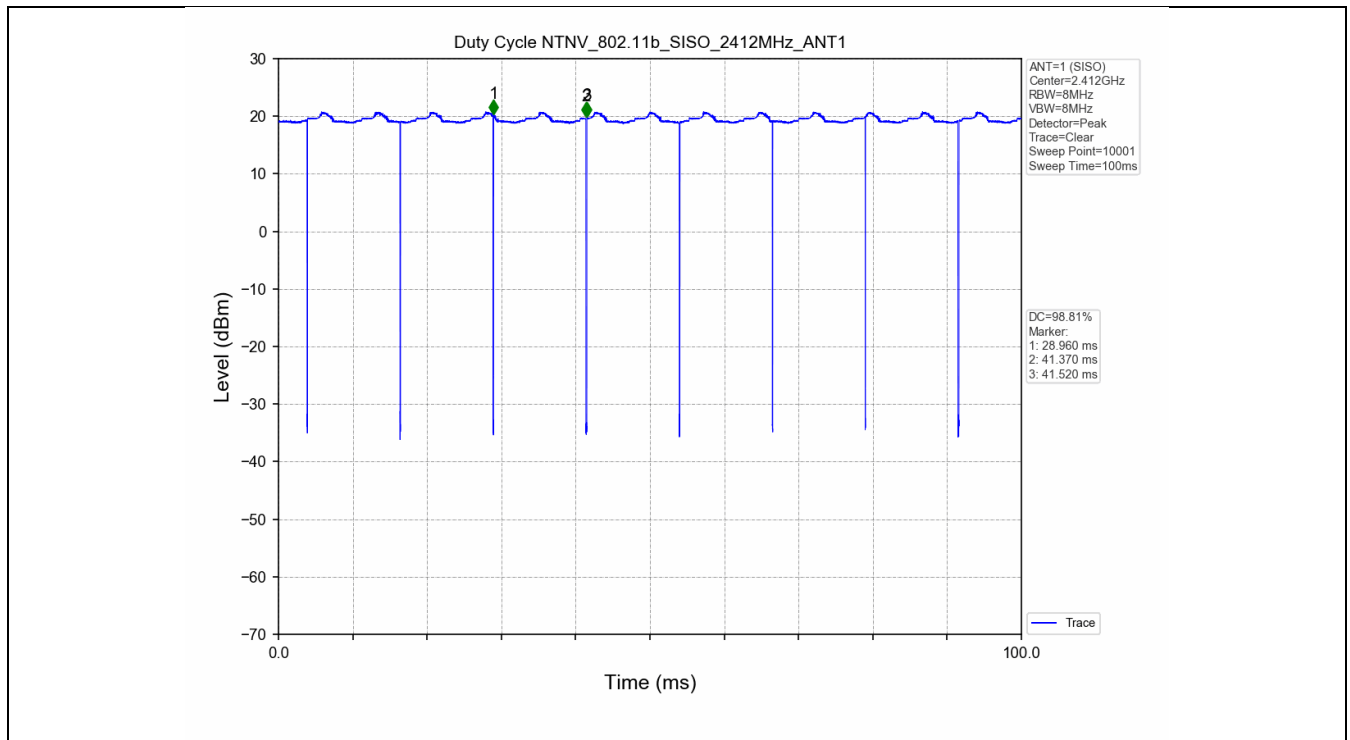
Appendix A for SHEM201100950701

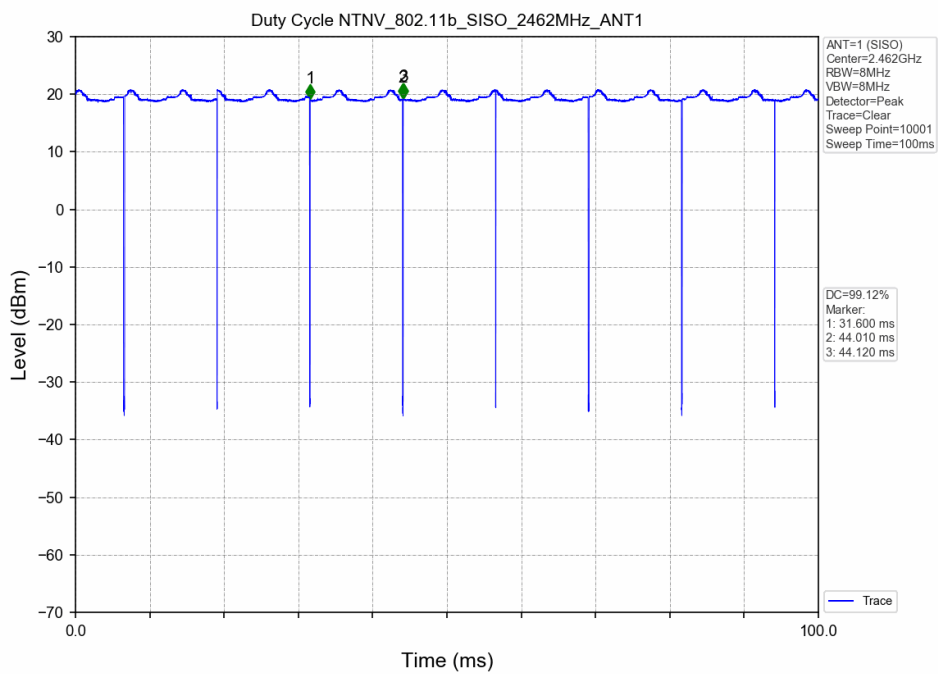
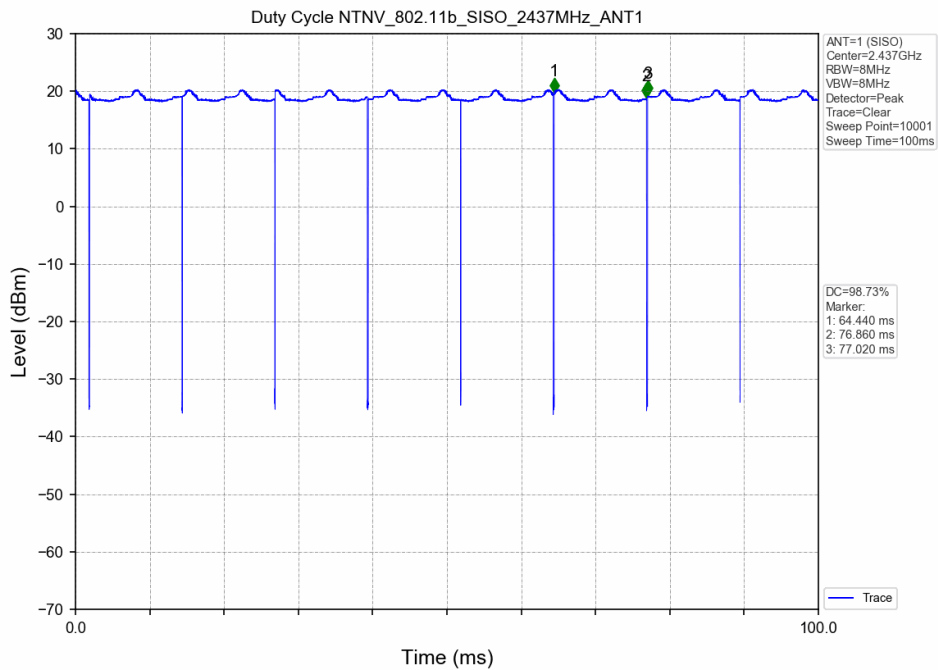
1. Duty Cycle

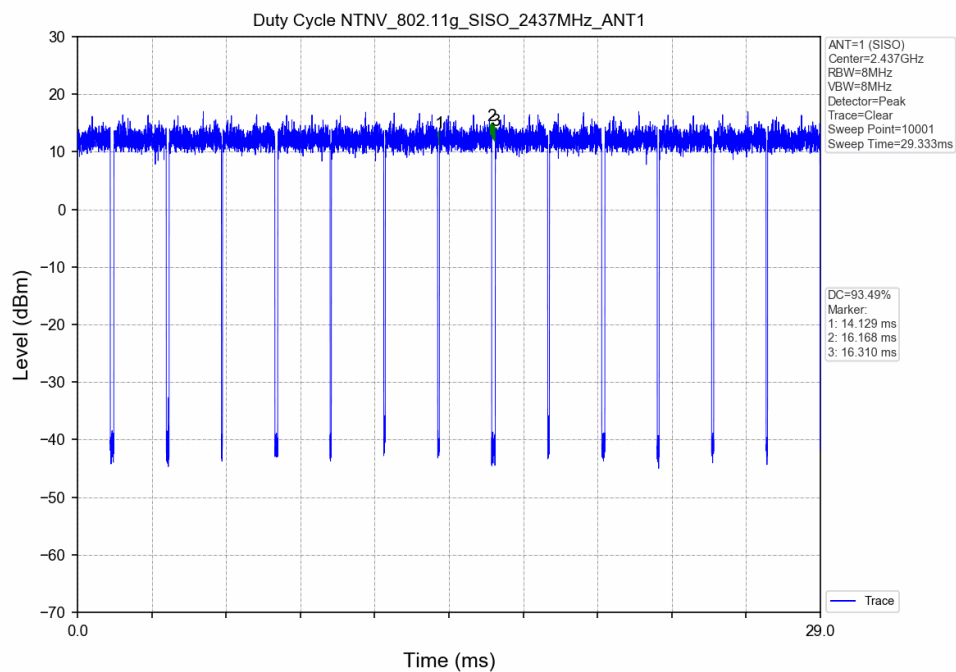
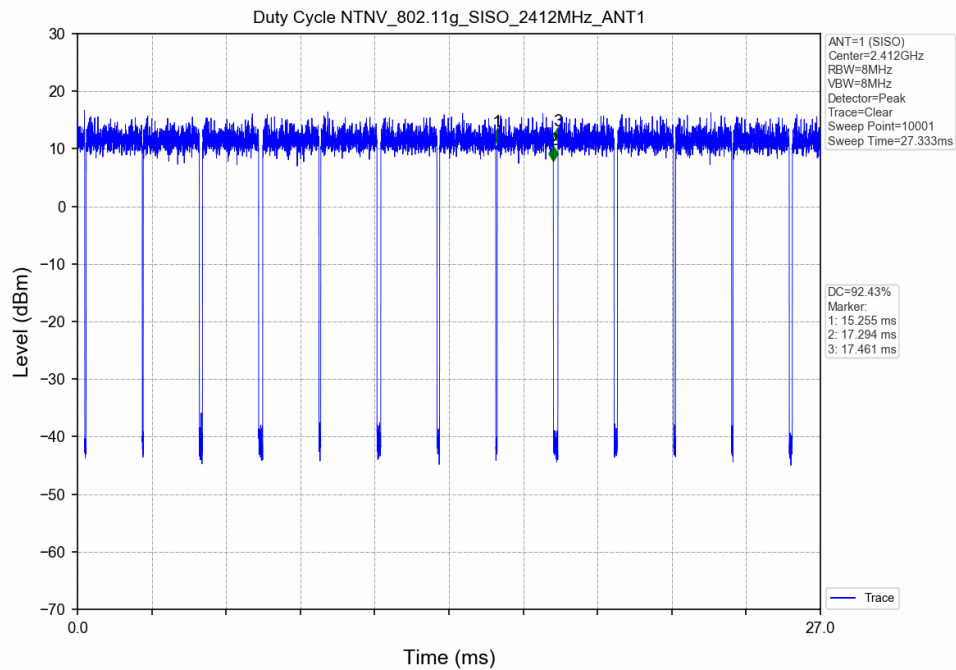
1.1 Test Result

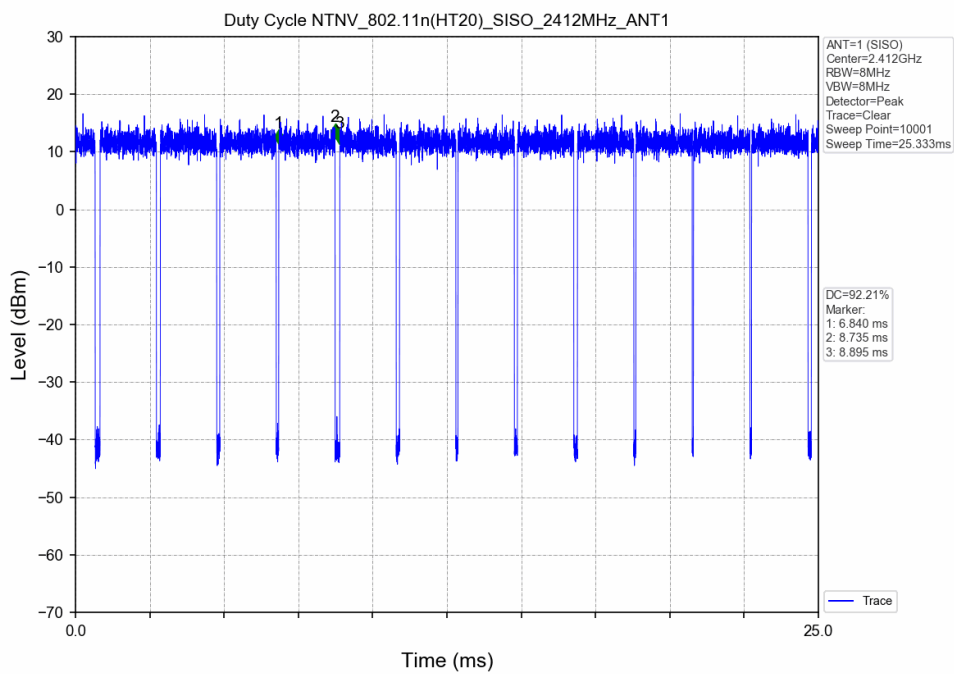
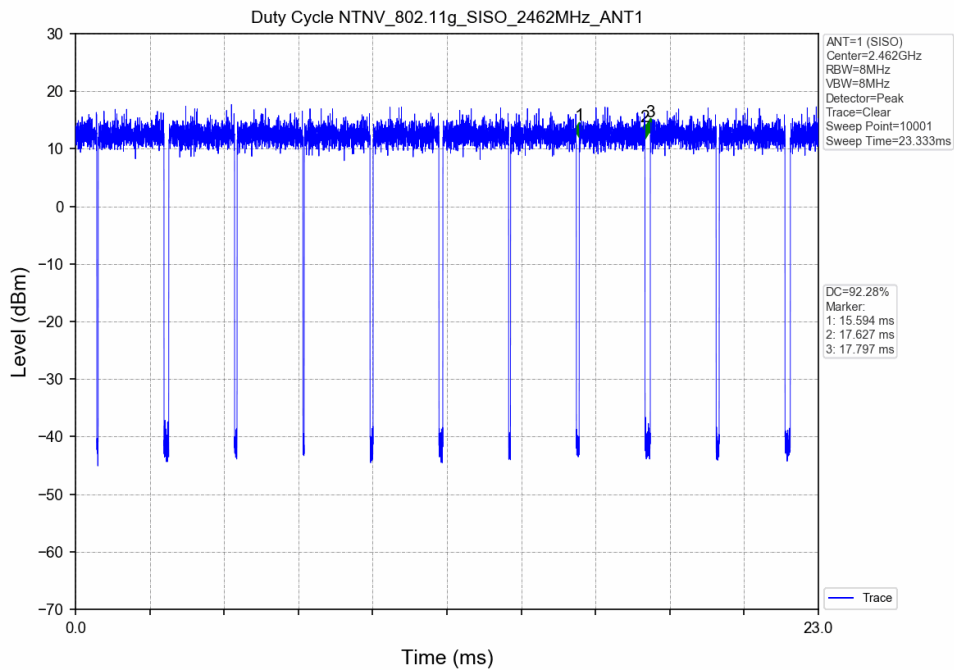
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.410	12.560	98.81	0.05
	2437	SISO	1	12.420	12.580	98.73	0.06
	2462	SISO	1	12.410	12.520	99.12	0.04
802.11g	2412	SISO	1	2.039	2.206	92.43	0.34
	2437	SISO	1	2.039	2.181	93.49	0.29
	2462	SISO	1	2.033	2.203	92.28	0.35
802.11n(HT20)	2412	SISO	1	1.895	2.055	92.21	0.35
	2437	SISO	1	1.890	2.058	91.84	0.37
	2462	SISO	1	1.919	2.075	92.48	0.34
802.11n(HT40)	2422	SISO	1	1.890	2.014	93.84	0.28
	2437	SISO	1	1.890	2.050	92.20	0.35
	2452	SISO	1	1.922	2.091	91.92	0.37

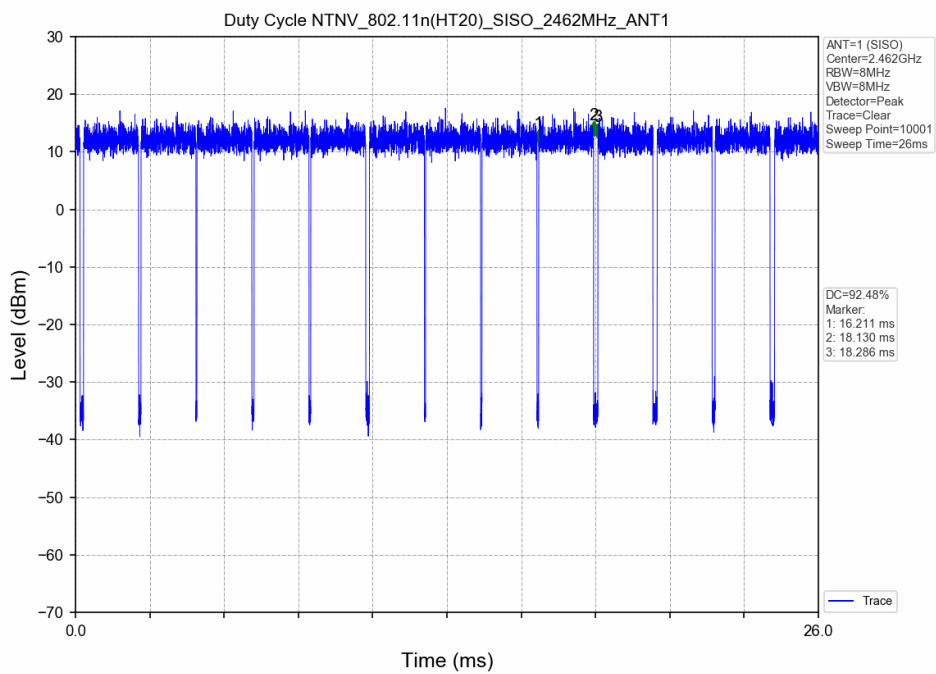
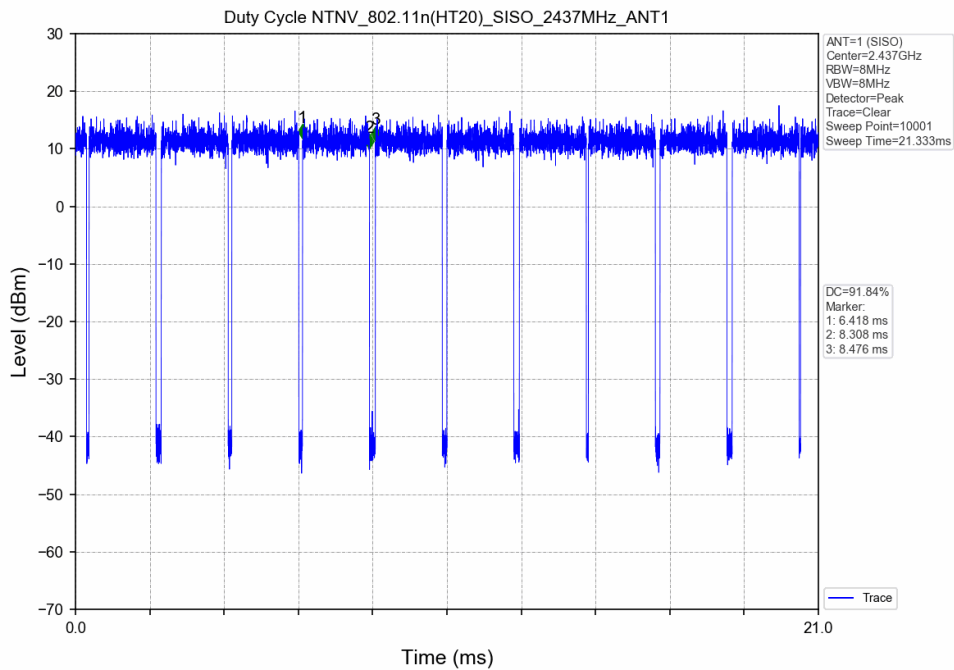
1.2 Test Graph

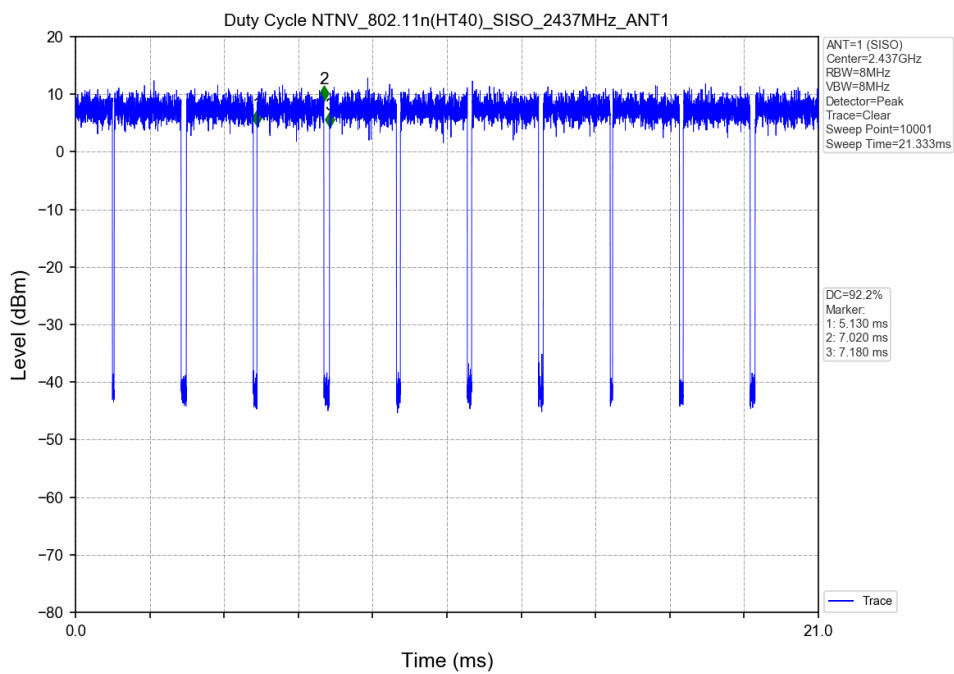
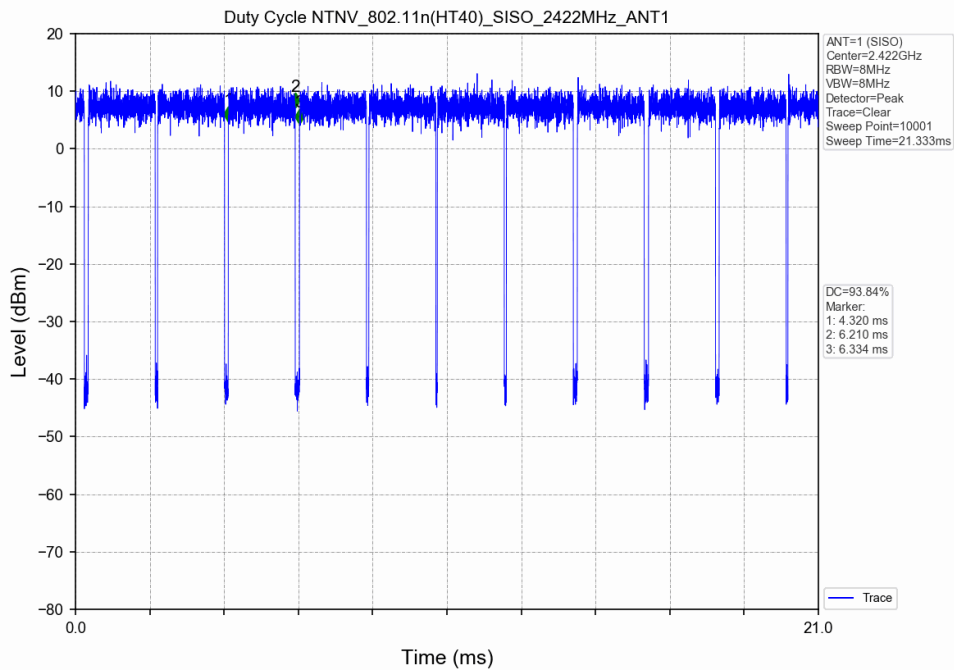


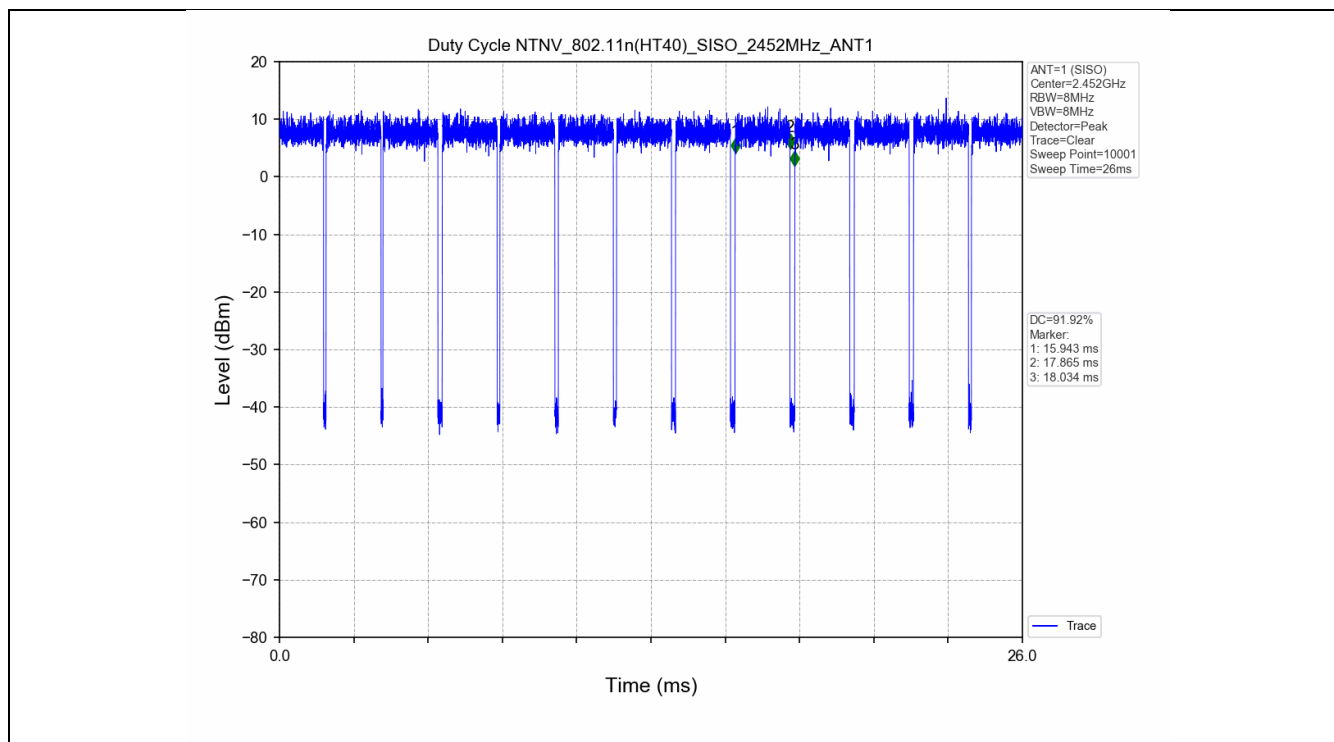












2. Bandwidth

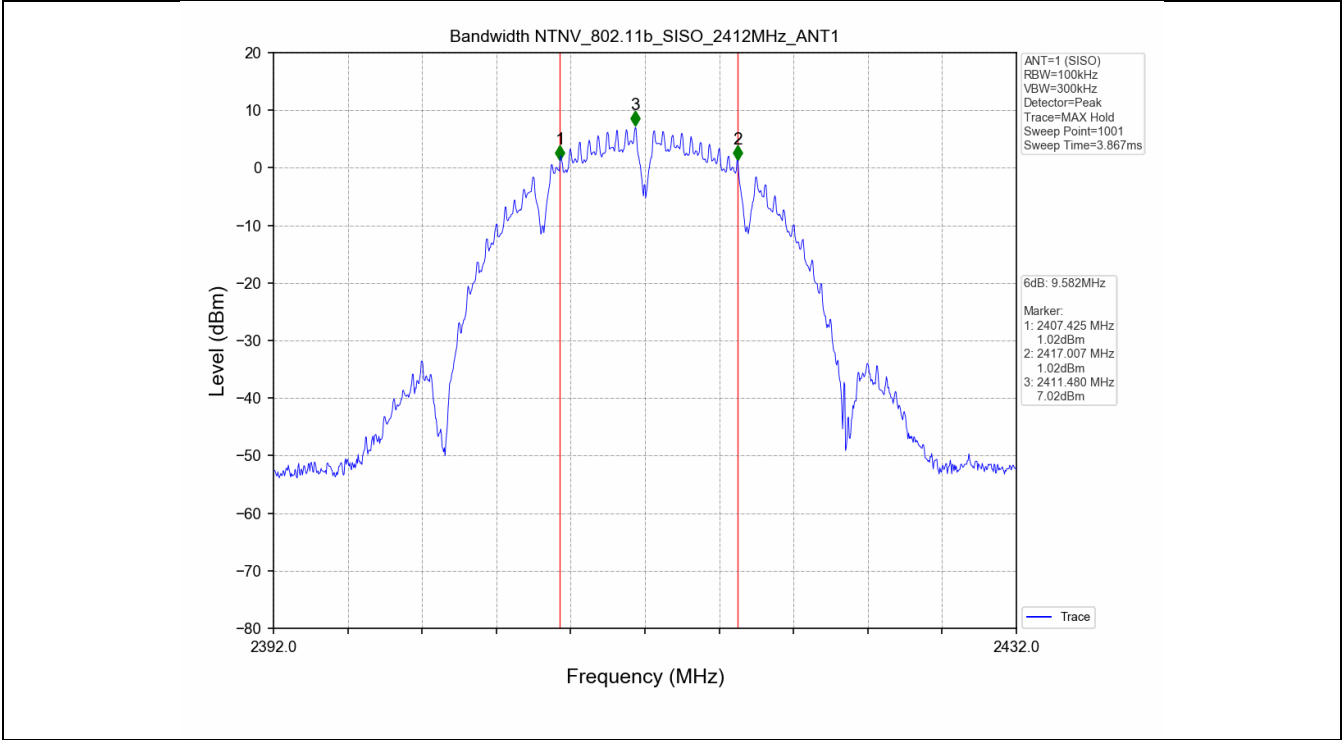
2.1 Test Result

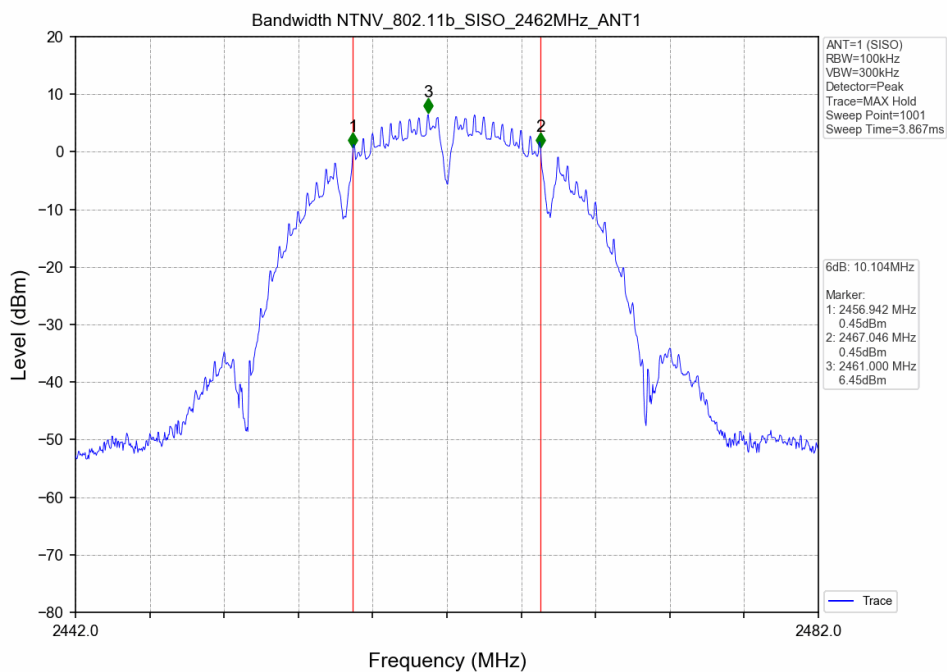
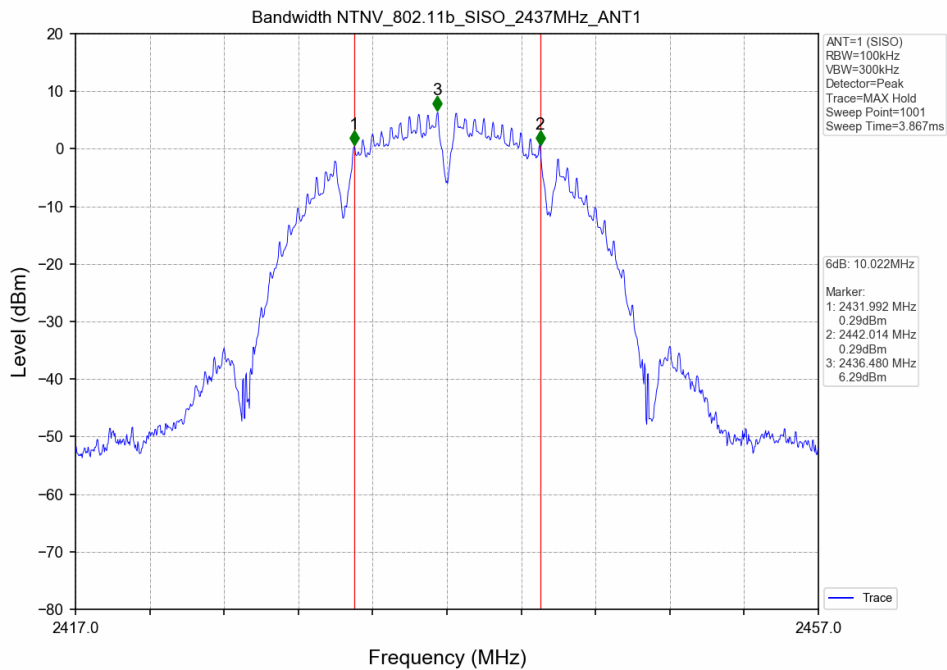
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	9.582	PASS
	2437	SISO	1	10.022	PASS
	2462	SISO	1	10.104	PASS
802.11g	2412	SISO	1	16.372	PASS
	2437	SISO	1	16.407	PASS
	2462	SISO	1	16.395	PASS
802.11n(HT20)	2412	SISO	1	17.602	PASS
	2437	SISO	1	17.571	PASS
	2462	SISO	1	17.597	PASS
802.11n(HT40)	2422	SISO	1	35.213	PASS
	2437	SISO	1	36.061	PASS
	2452	SISO	1	35.195	PASS

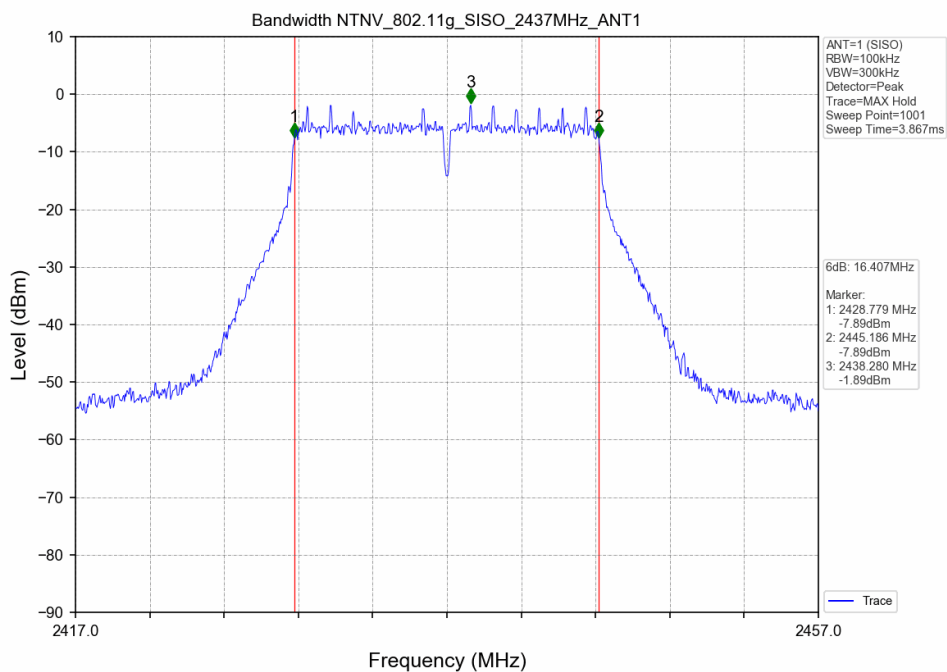
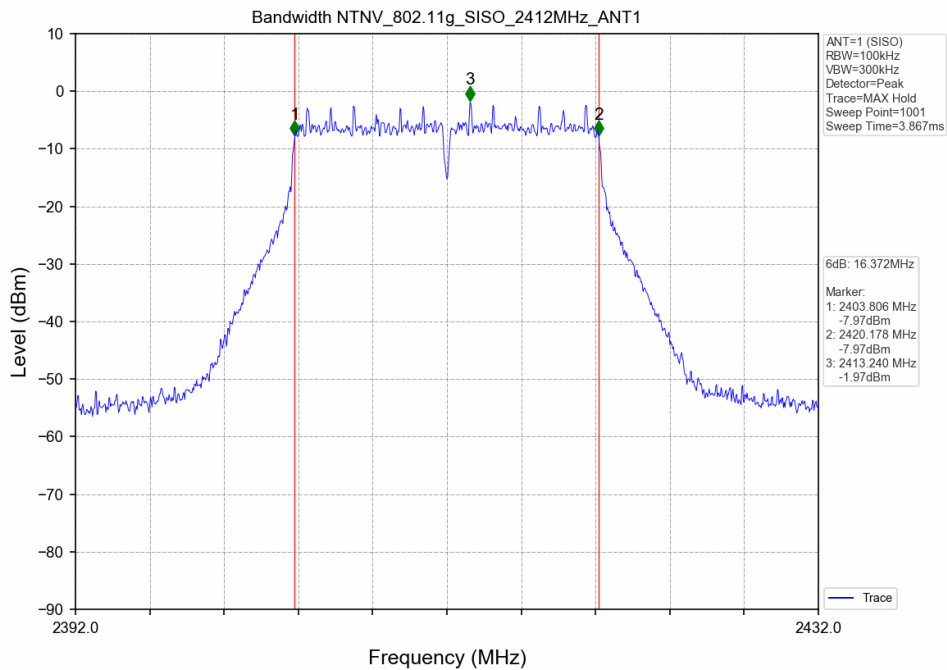
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.917	Only for Report Use
	2437	SISO	1	14.931	Only for Report Use
	2462	SISO	1	14.911	Only for Report Use
802.11g	2412	SISO	1	16.872	Only for Report Use
	2437	SISO	1	16.820	Only for Report Use
	2462	SISO	1	16.820	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.864	Only for Report Use
	2437	SISO	1	17.816	Only for Report Use
	2462	SISO	1	17.914	Only for Report Use

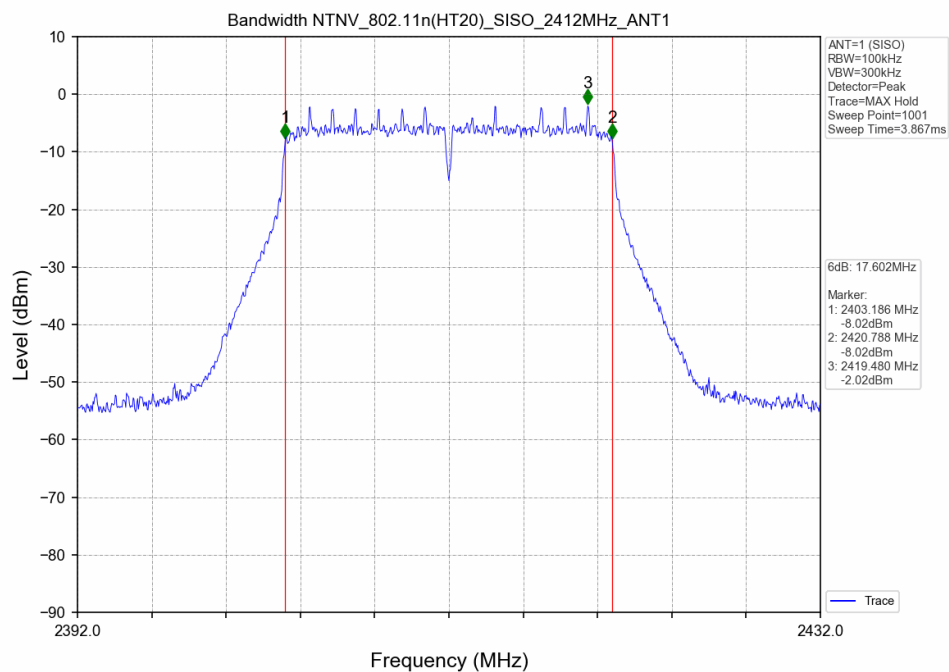
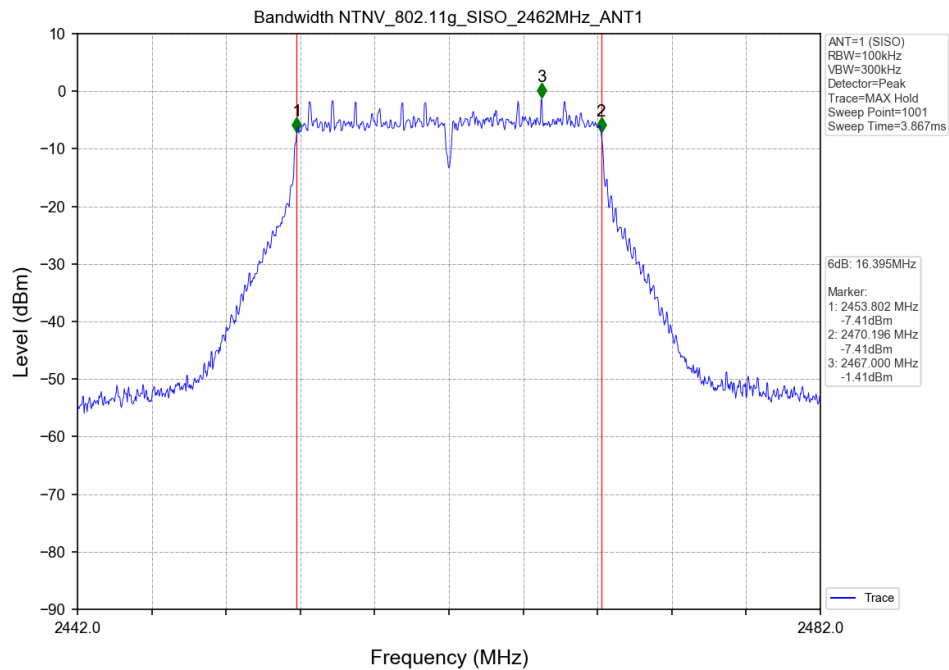
802.11n(HT40)	2422	SISO	1	37.656	Only for Report Use
	2437	SISO	1	37.709	Only for Report Use
	2452	SISO	1	37.765	Only for Report Use

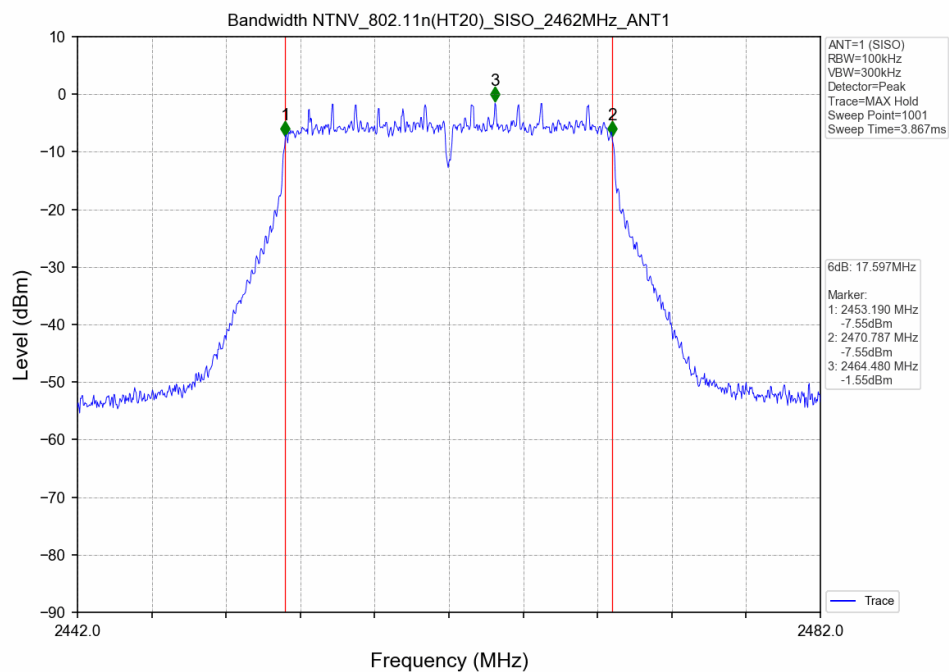
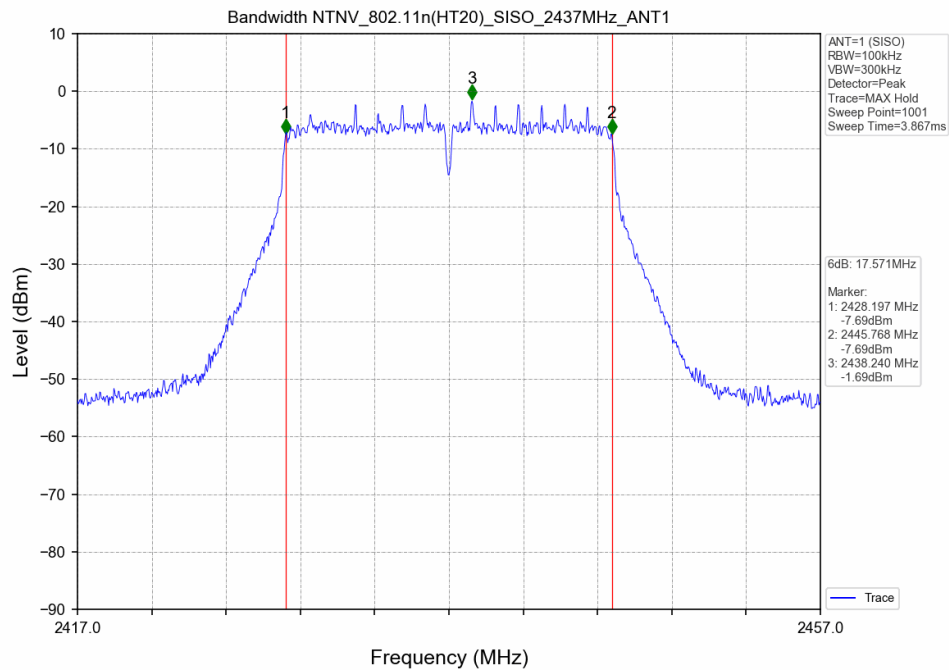
2.2 Test Graph - 6dB Bandwidth

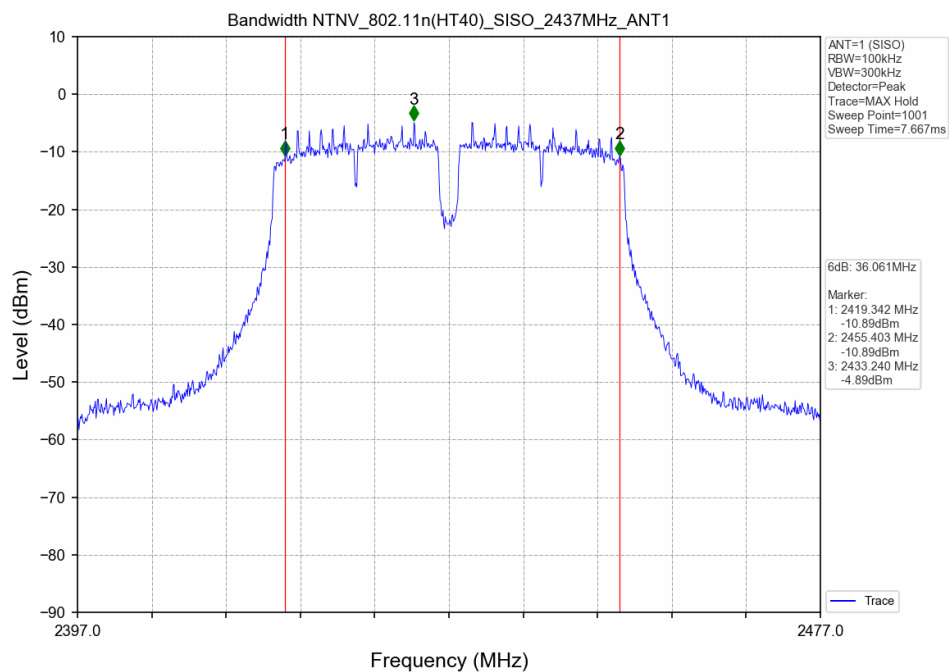
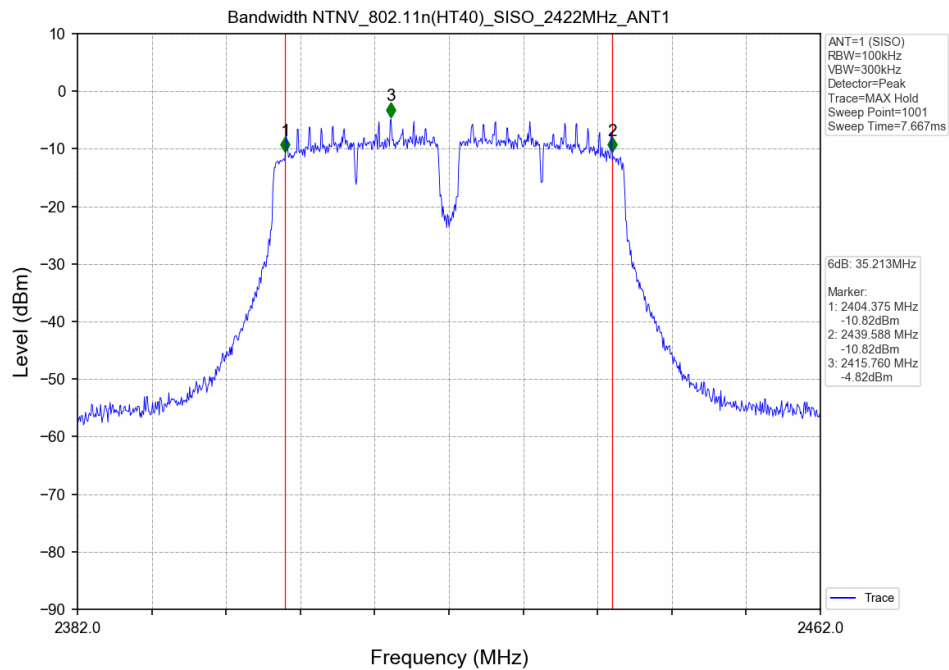


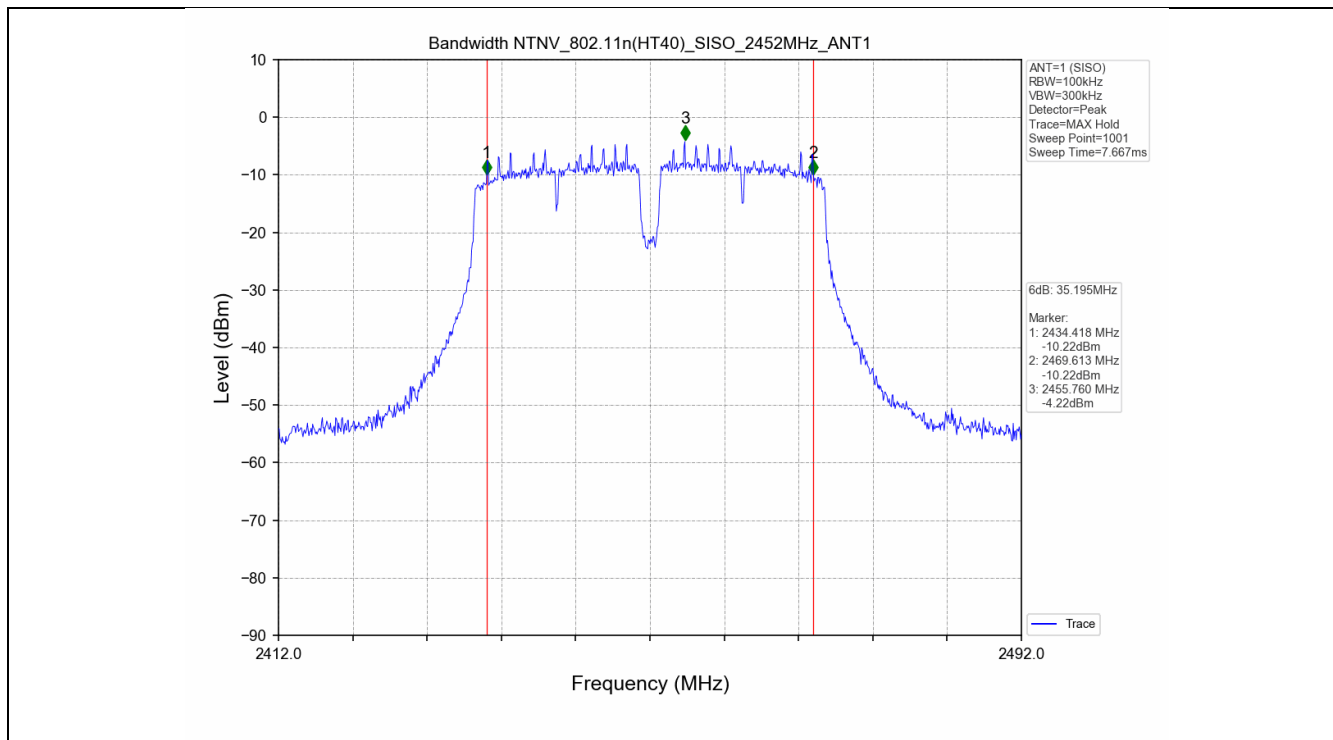




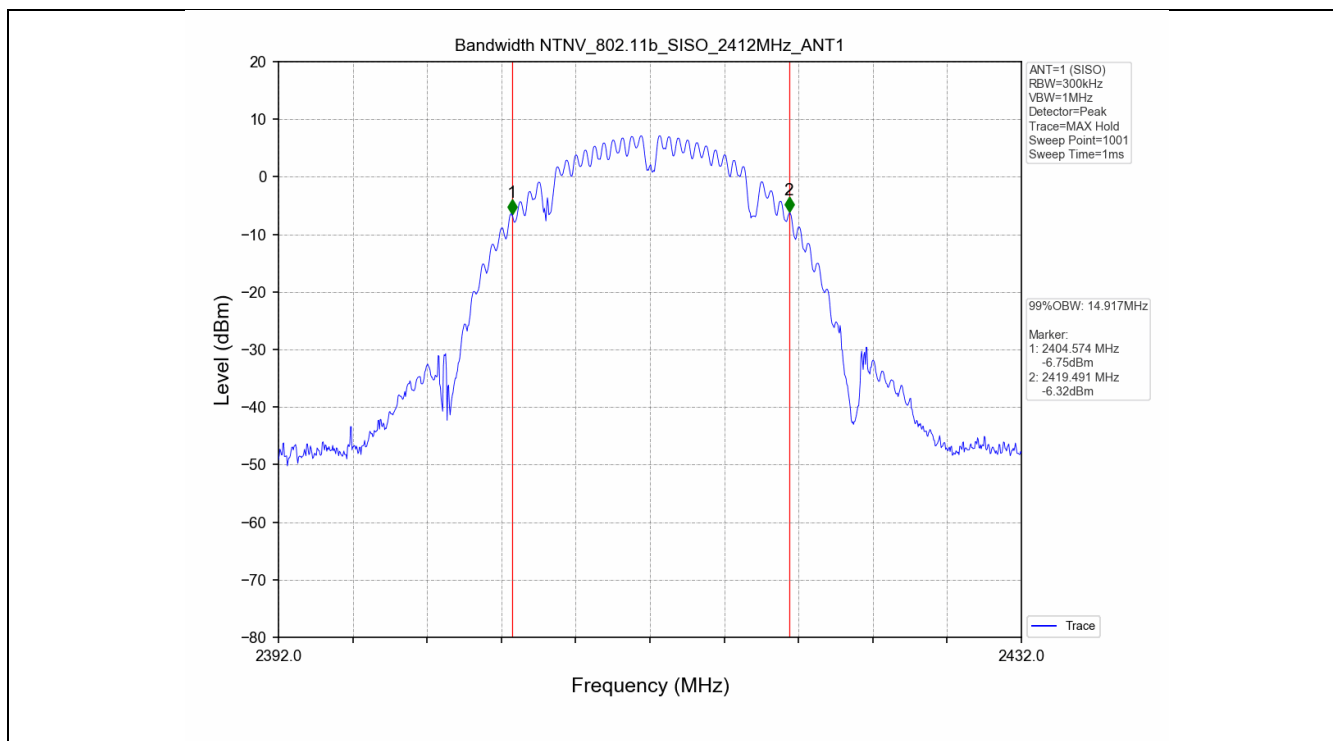


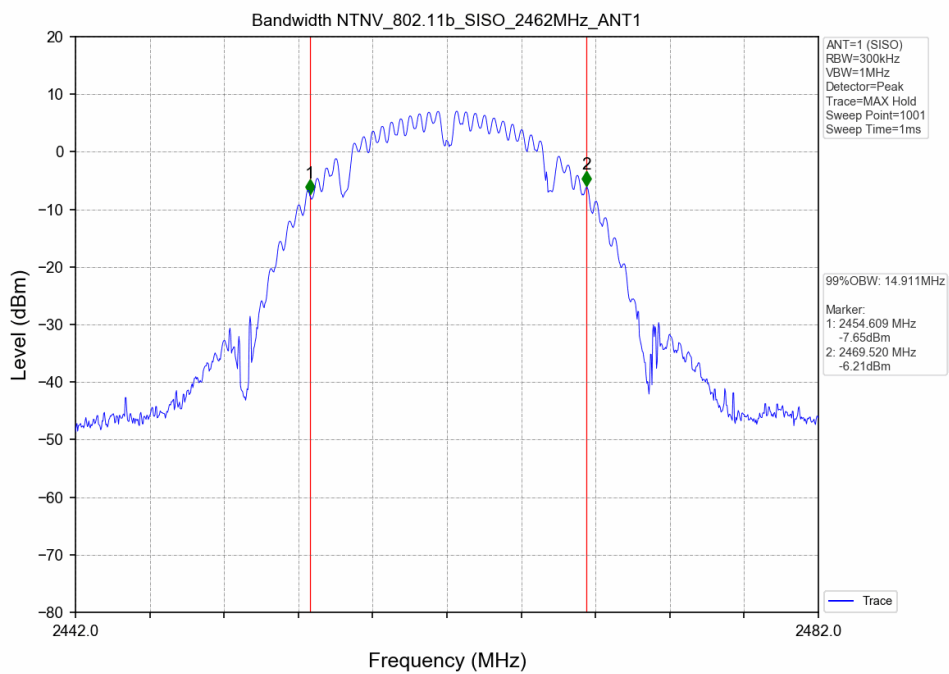
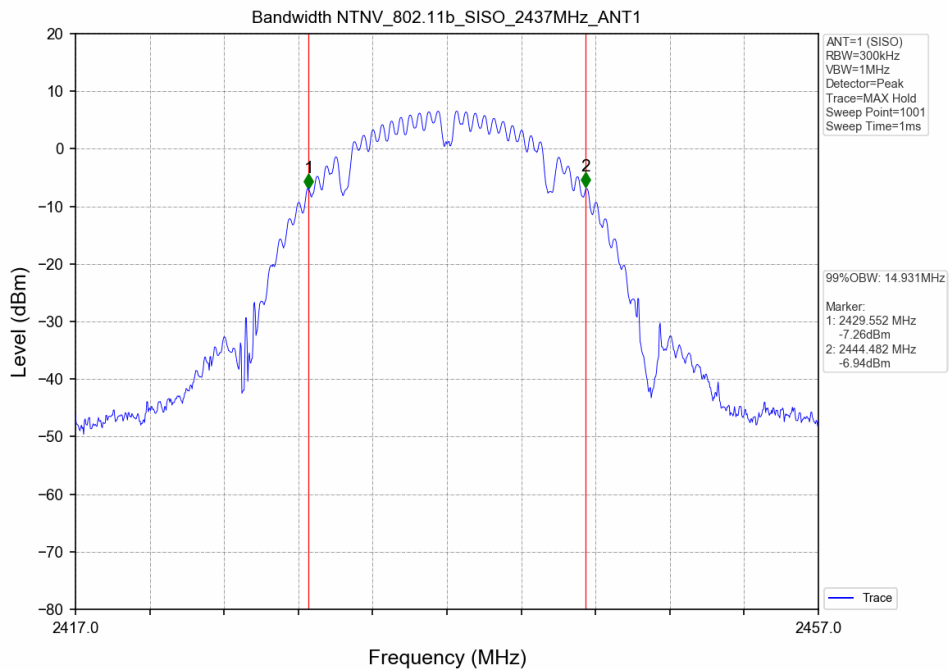


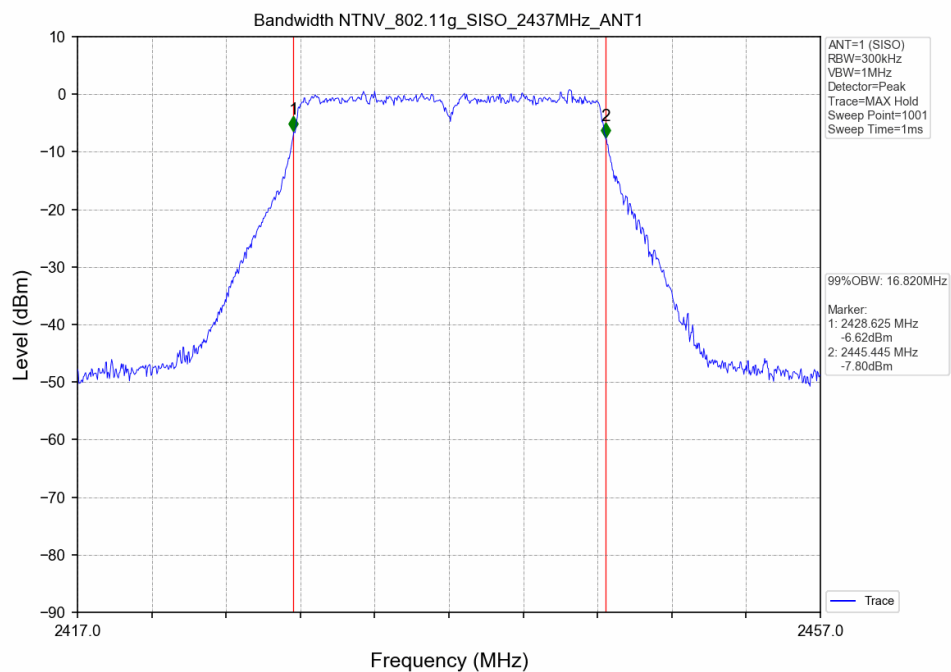
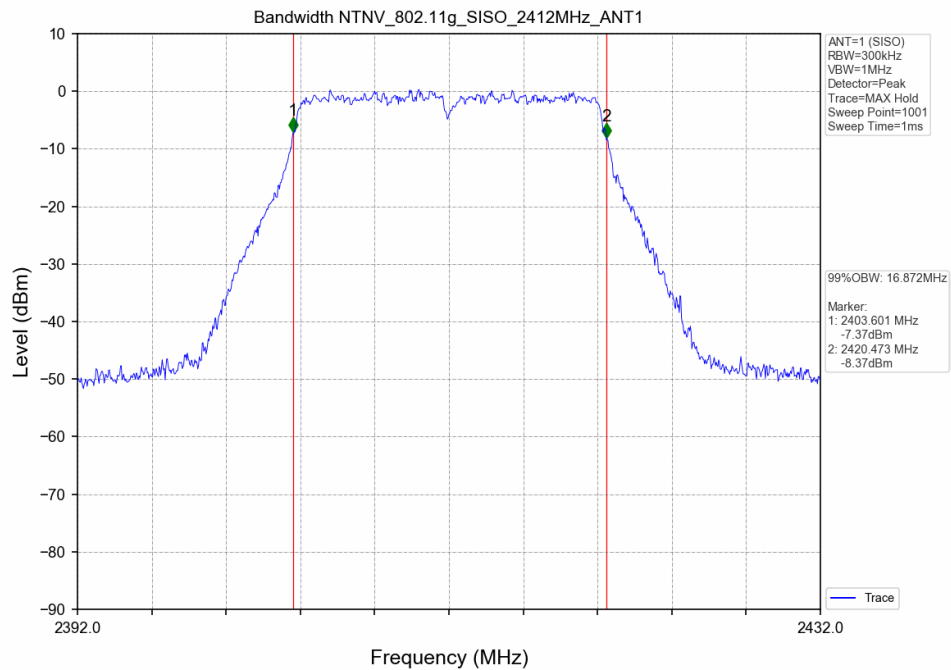


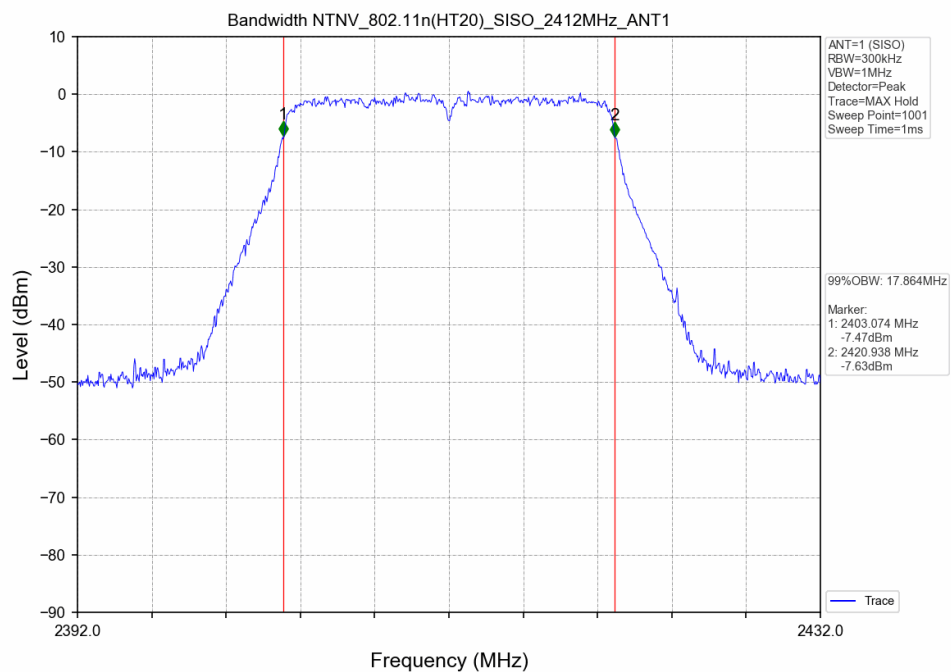
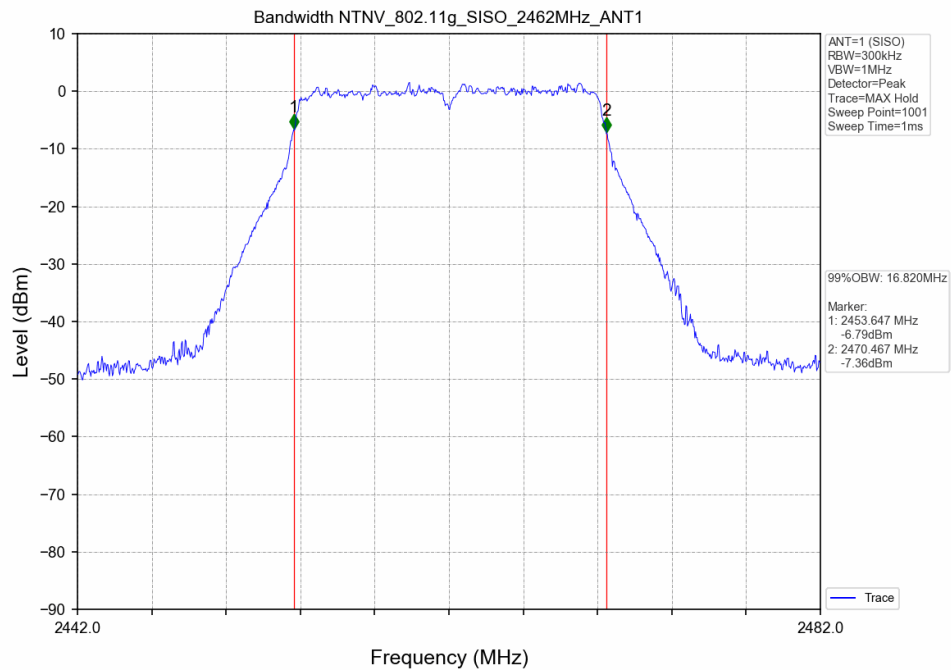


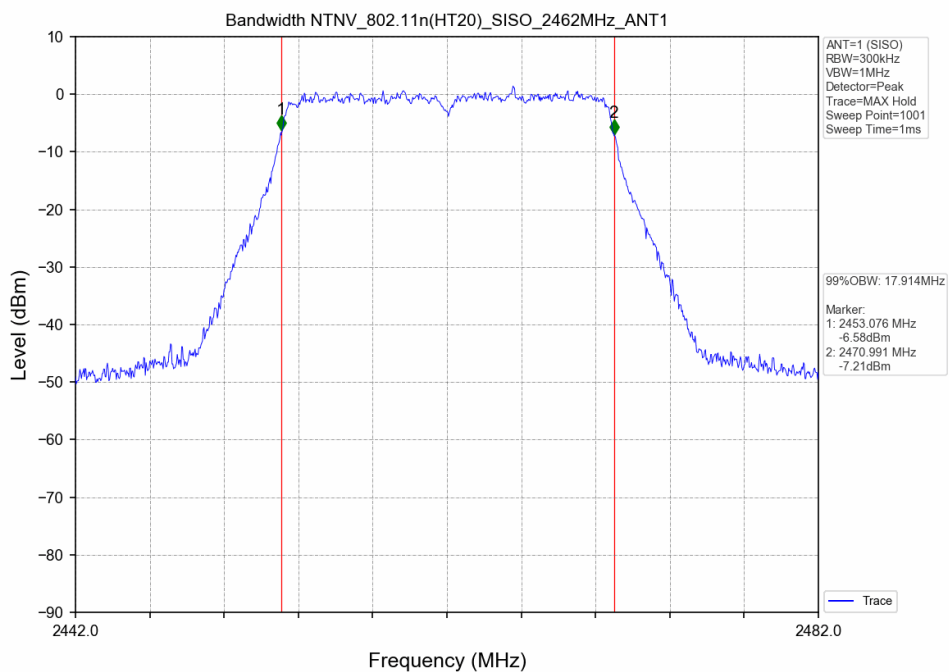
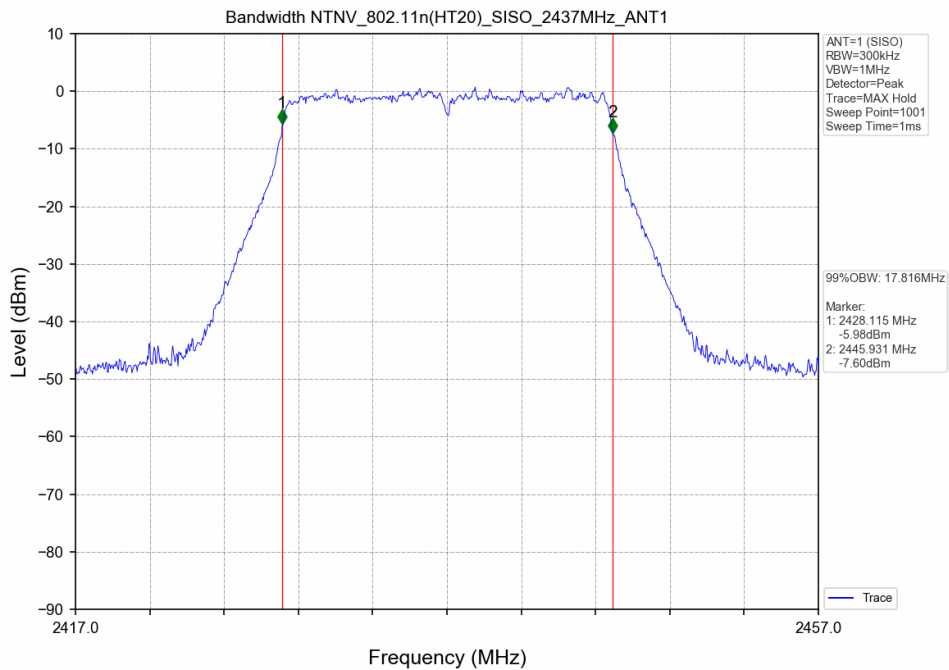
2.3 Test Graph - 99% Occupied Bandwidth

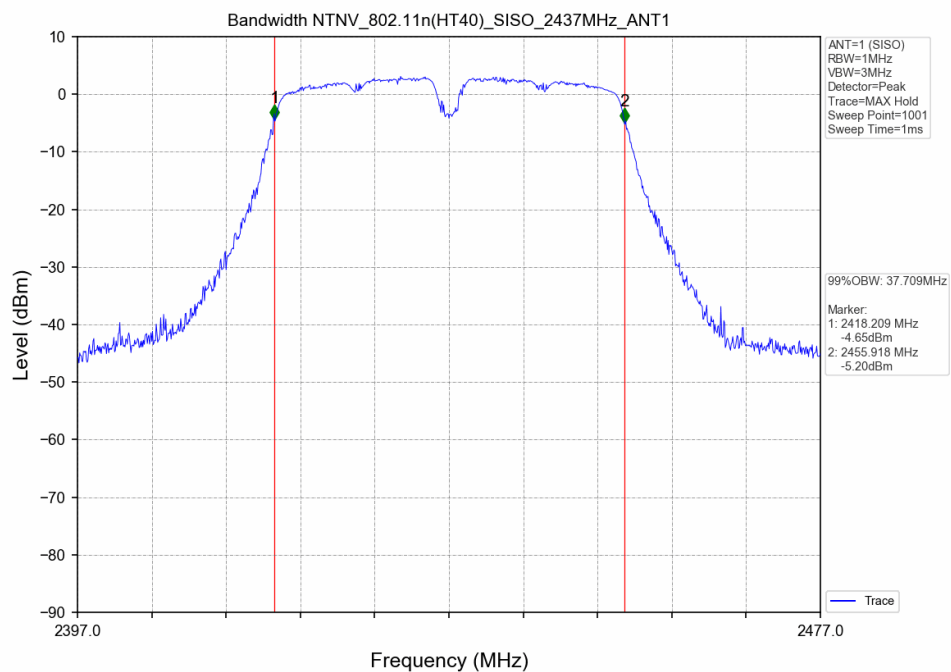
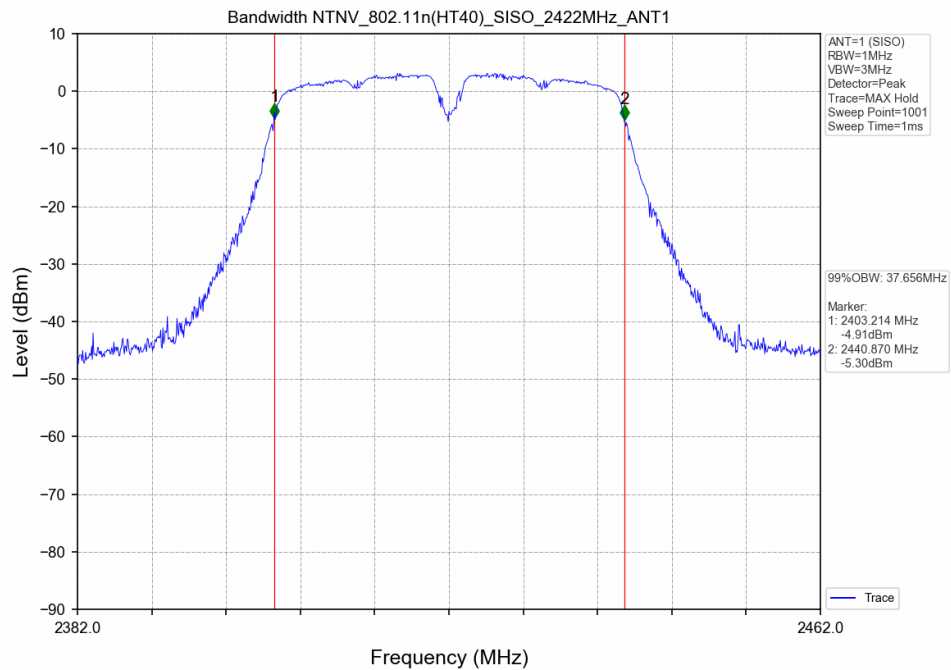


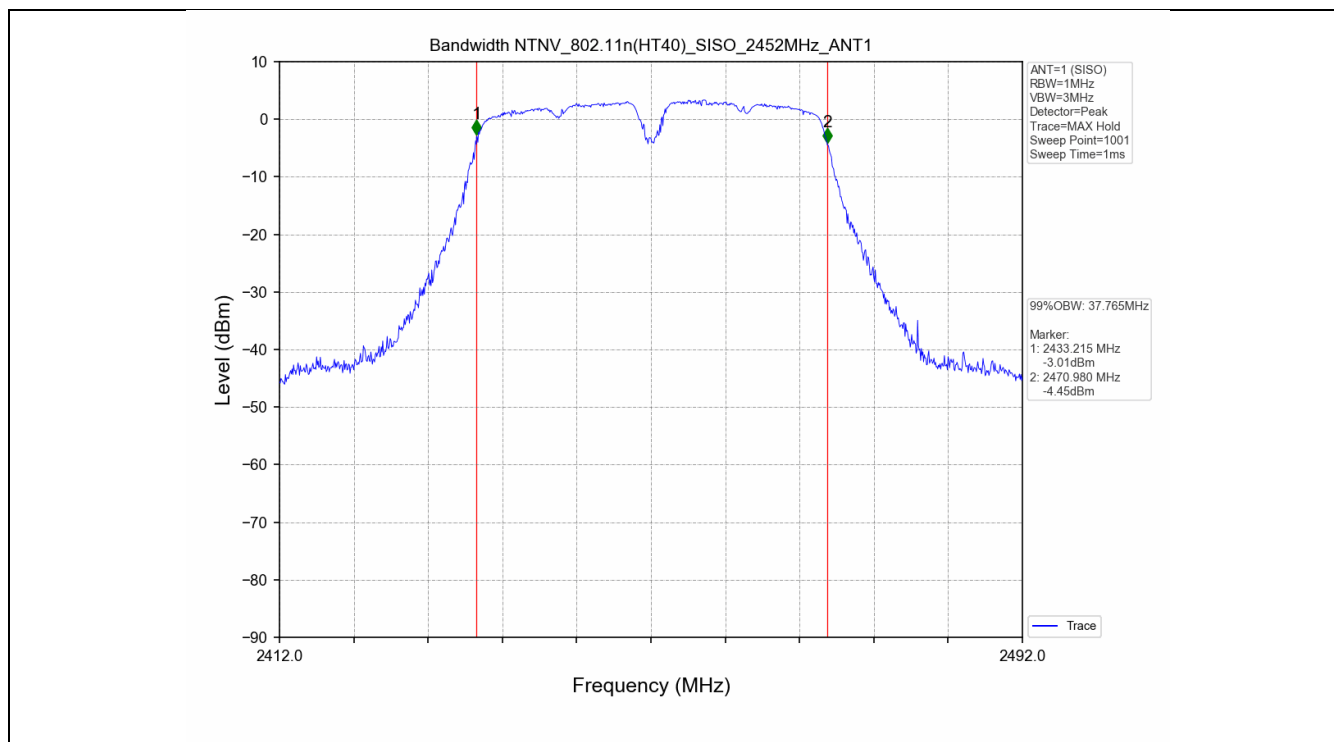










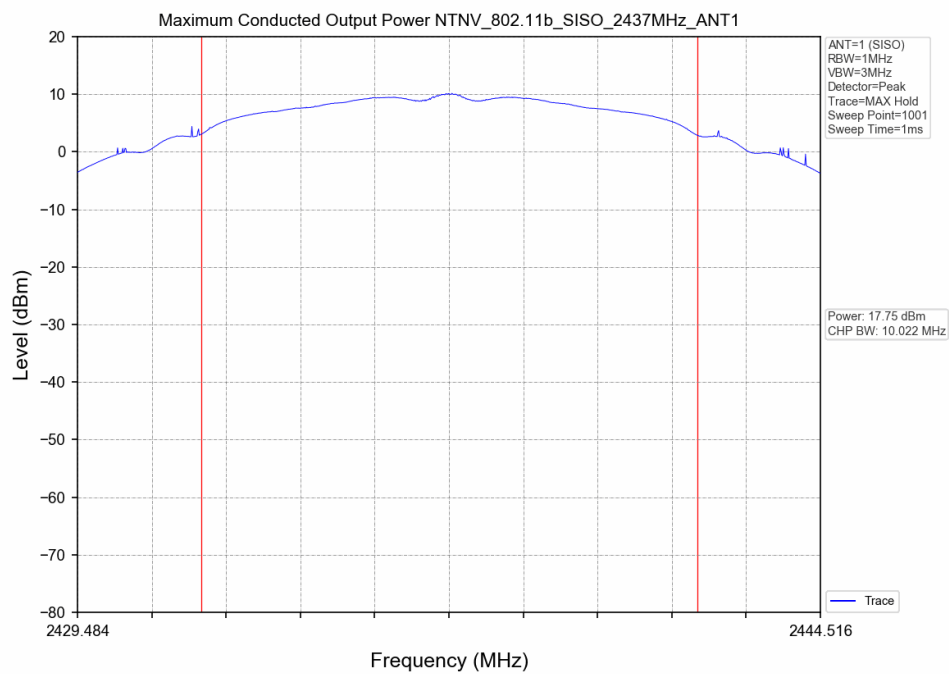
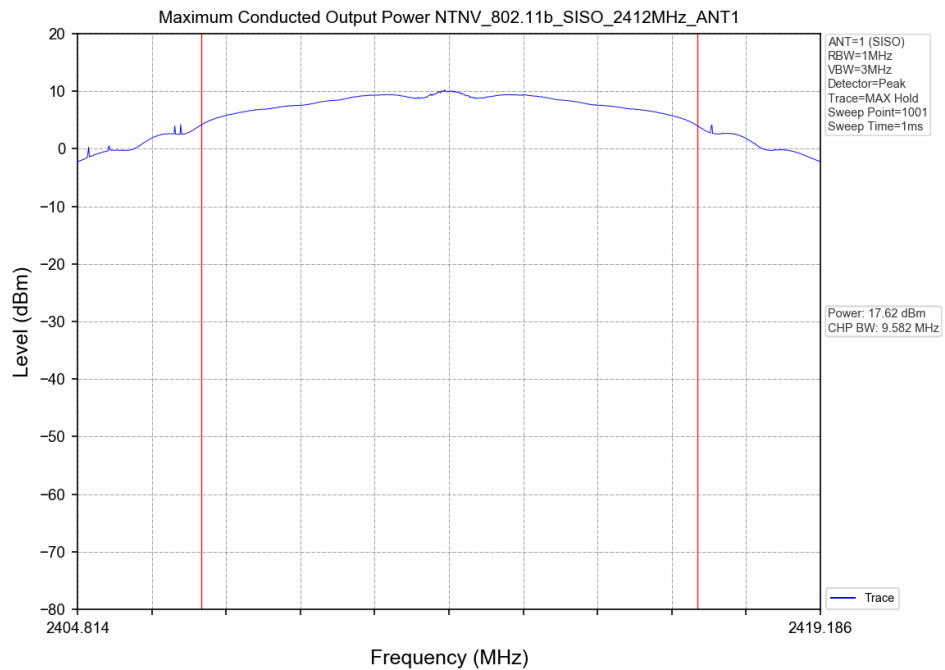


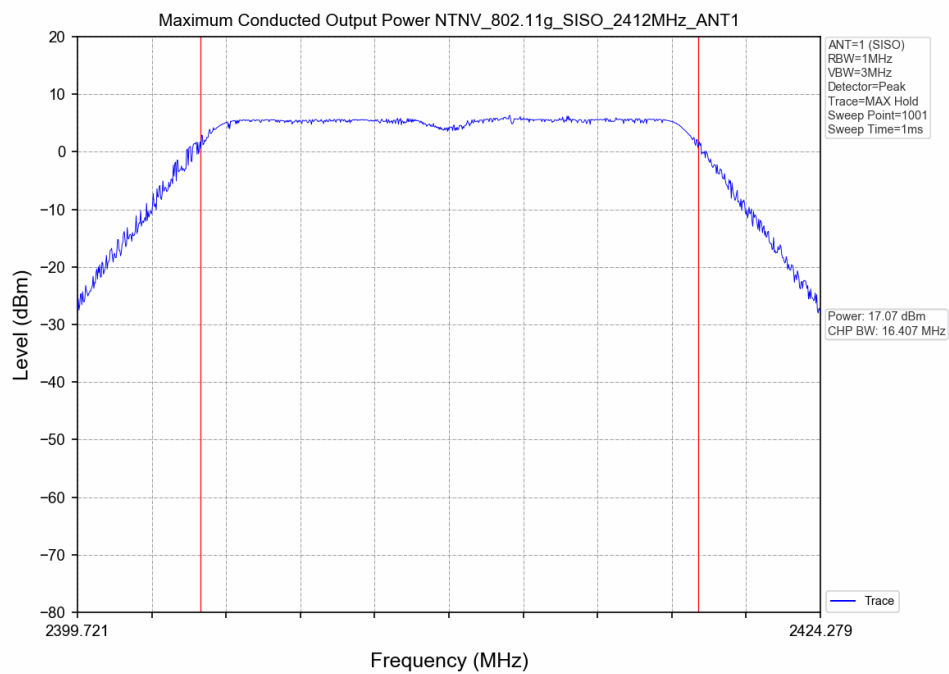
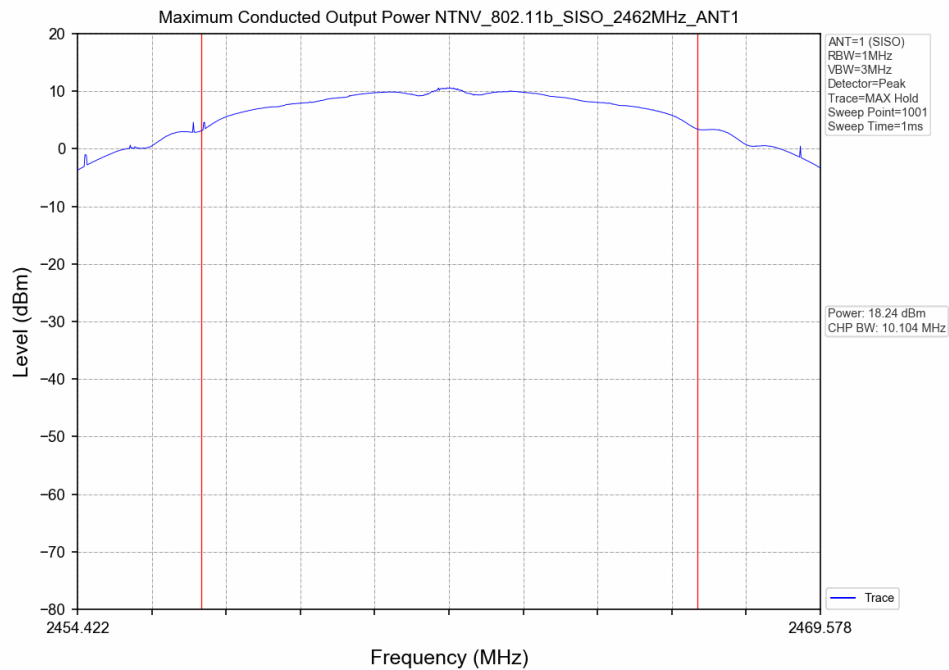
3. Maximum Conducted Output Power

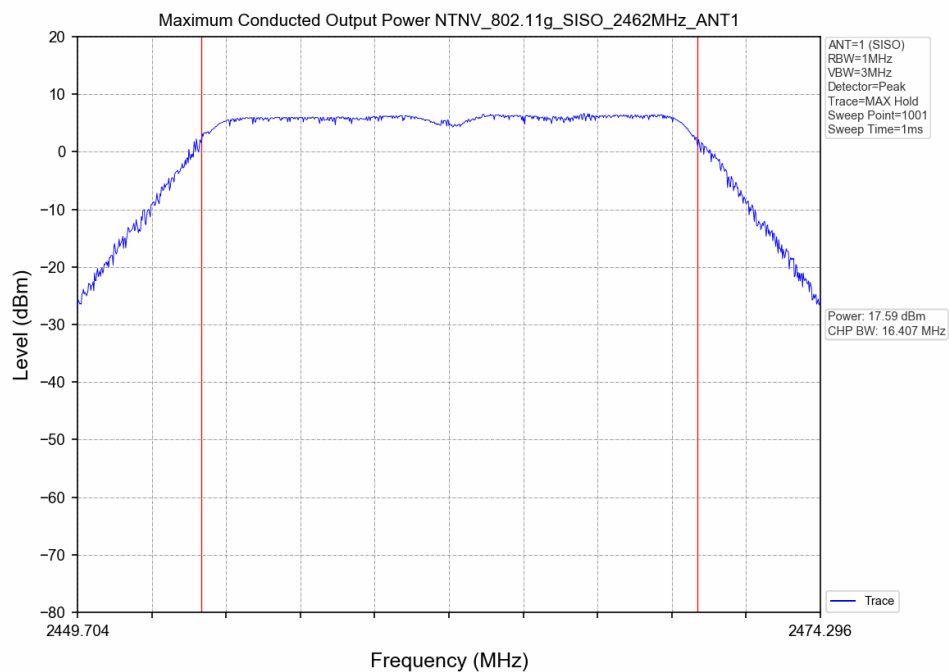
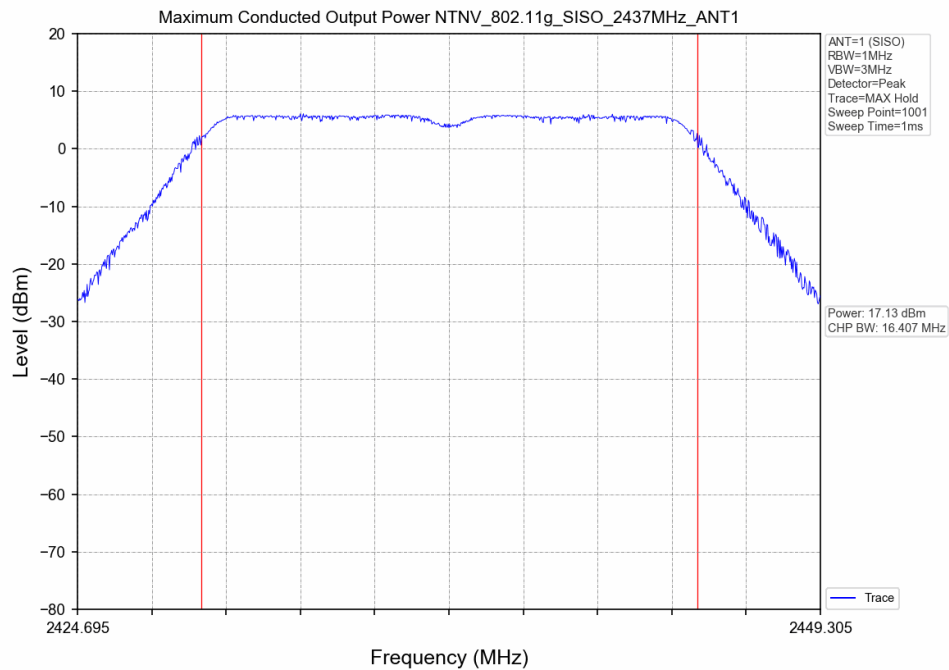
3.1 Test Result

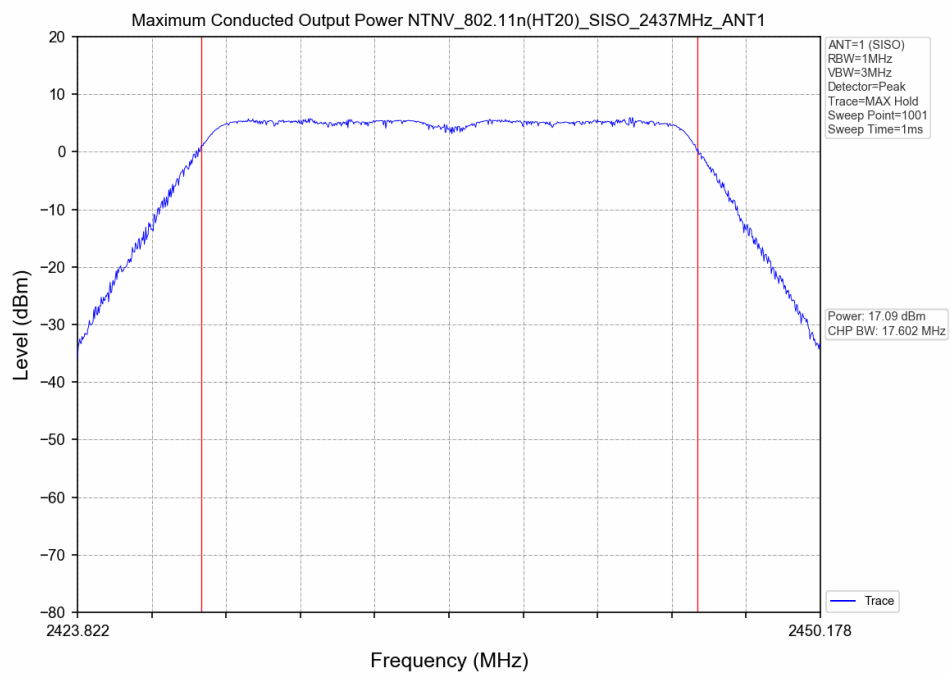
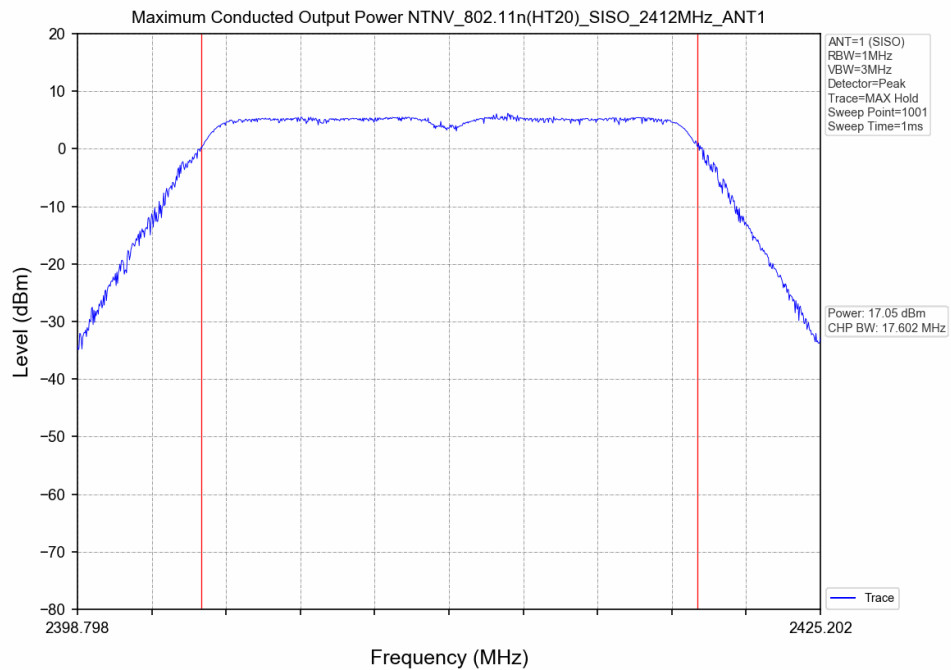
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.62	30	PASS
	2437	SISO	17.75	30	PASS
	2462	SISO	18.24	30	PASS
802.11g	2412	SISO	17.07	30	PASS
	2437	SISO	17.13	30	PASS
	2462	SISO	17.59	30	PASS
802.11n(HT20)	2412	SISO	17.05	30	PASS
	2437	SISO	17.09	30	PASS
	2462	SISO	17.53	30	PASS
802.11n(HT40)	2422	SISO	17.37	30	PASS
	2437	SISO	17.41	30	PASS
	2452	SISO	17.57	30	PASS

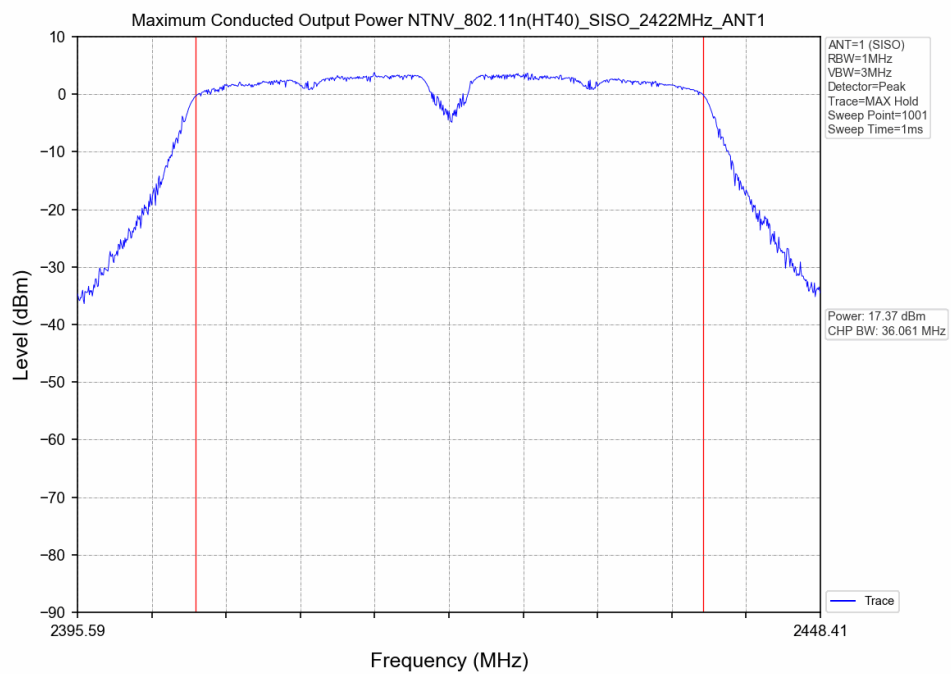
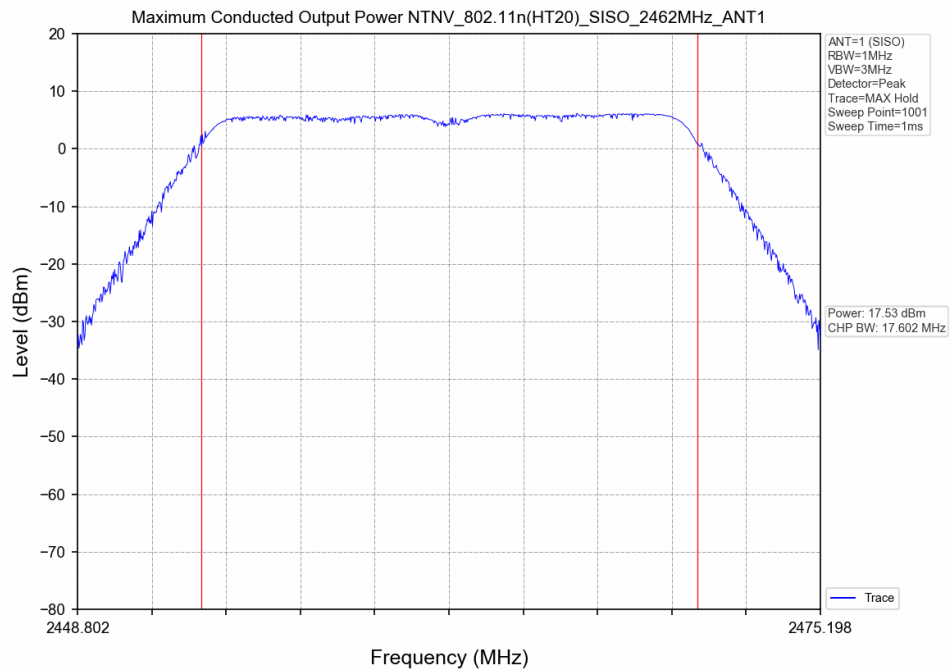
3.2 Test Graph

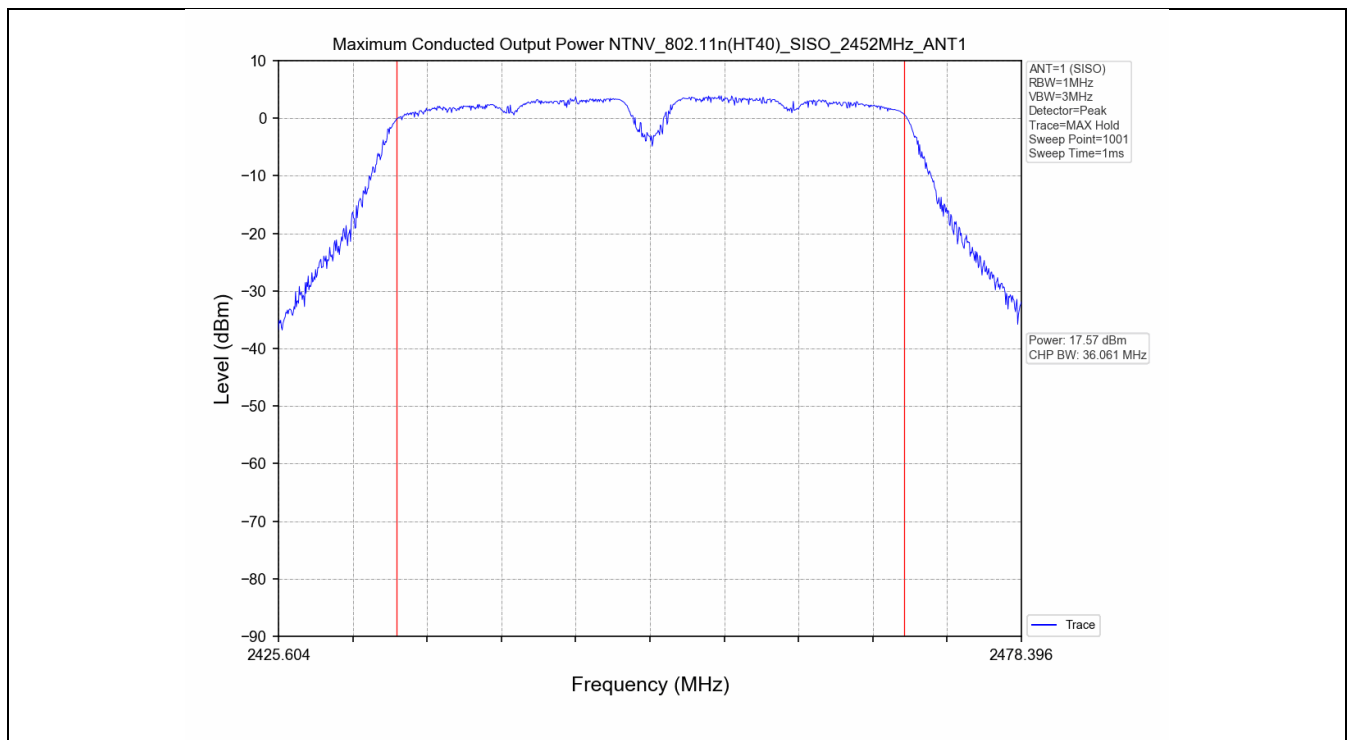
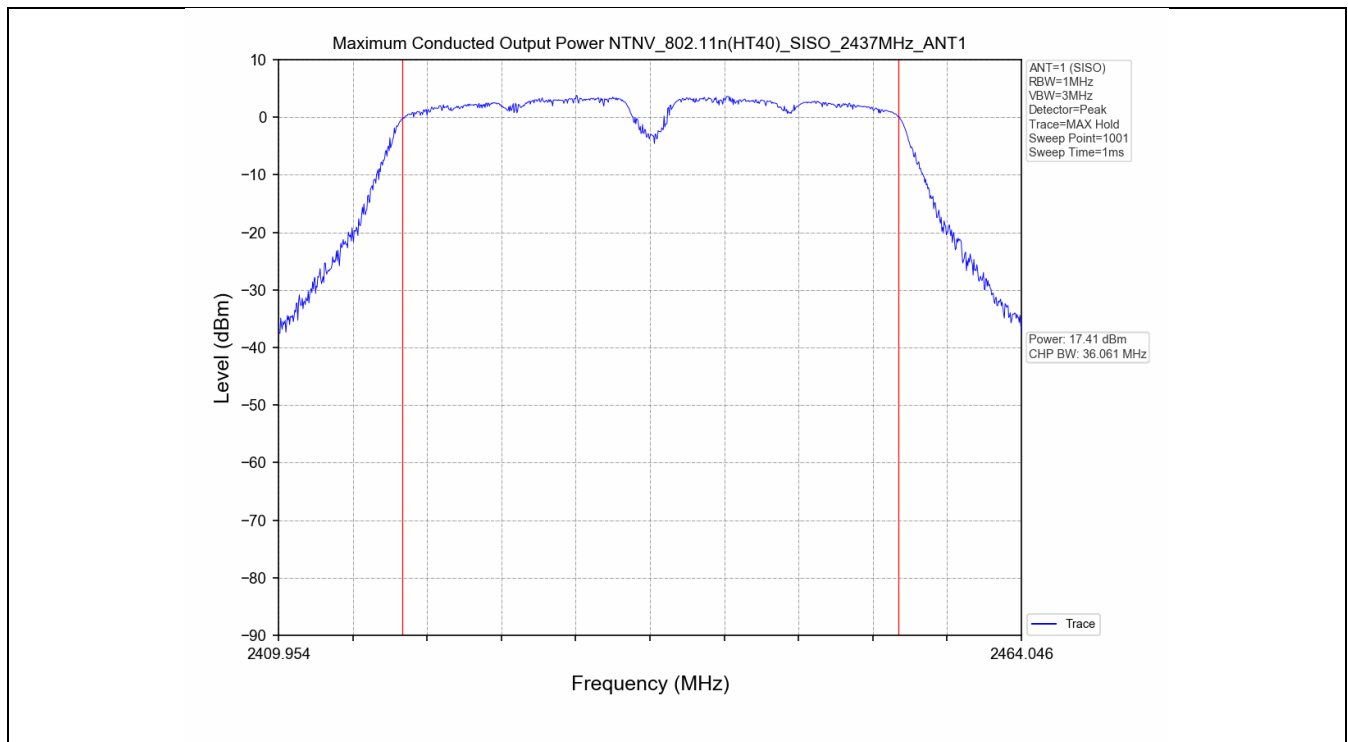










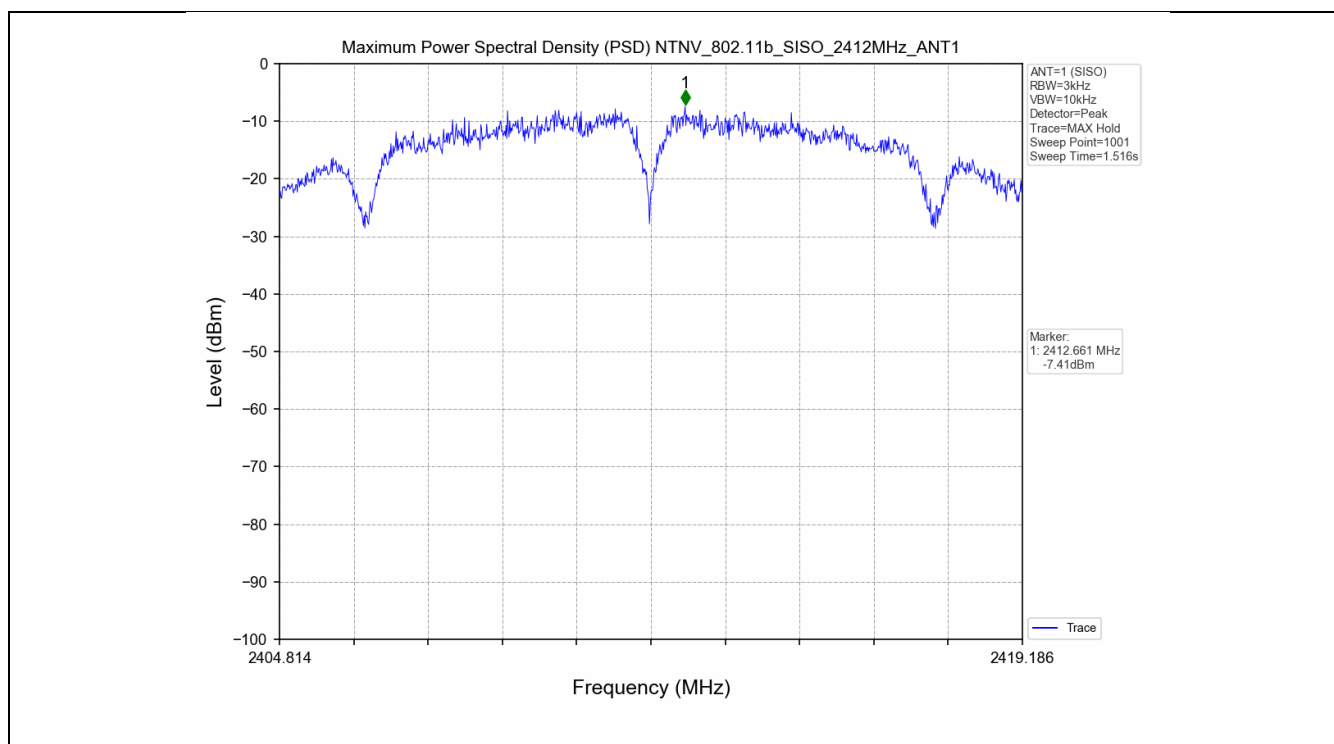


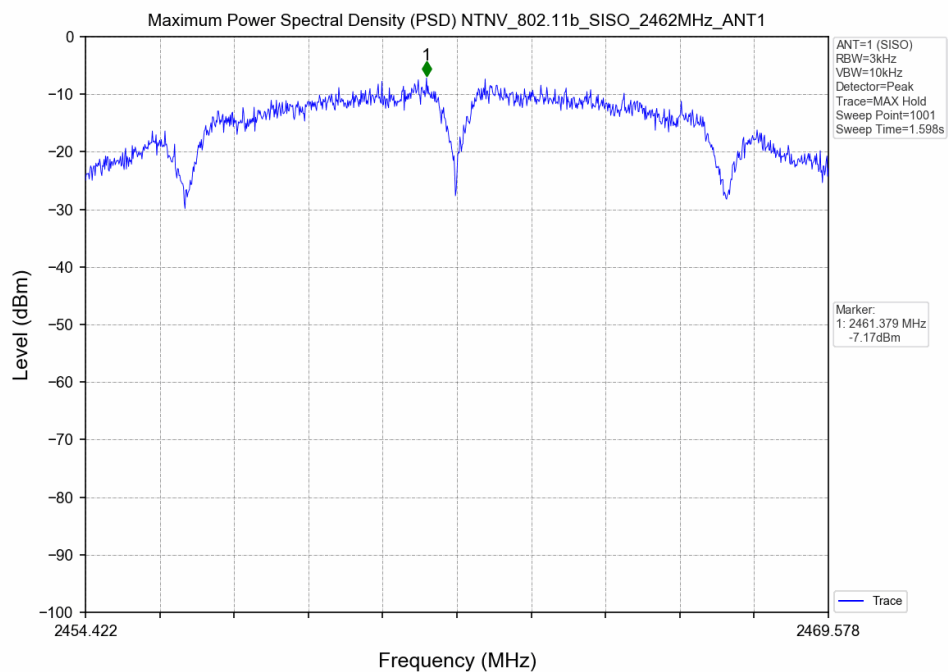
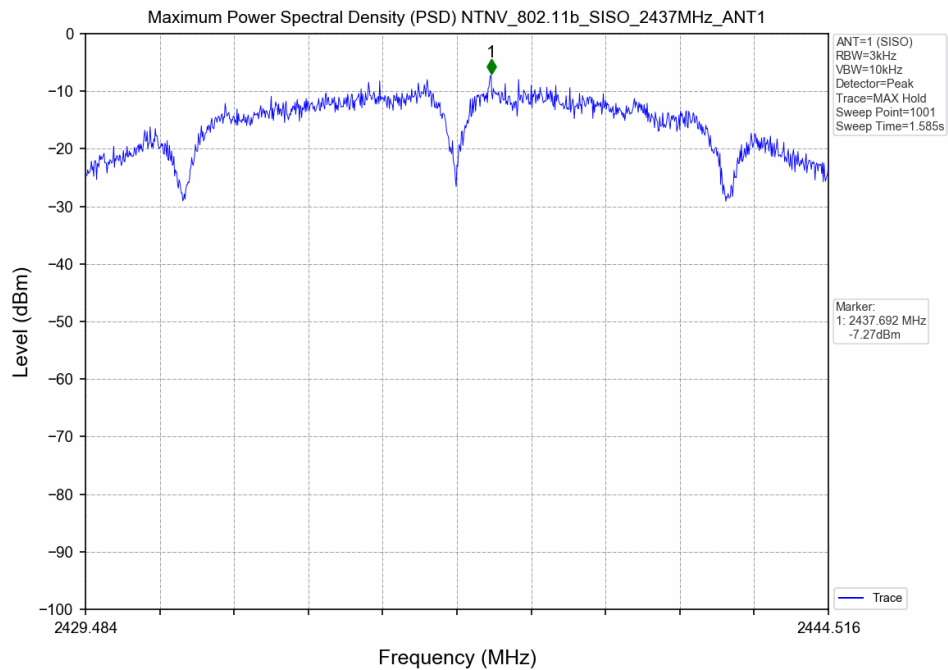
4. Maximum Power Spectral Density (PSD)

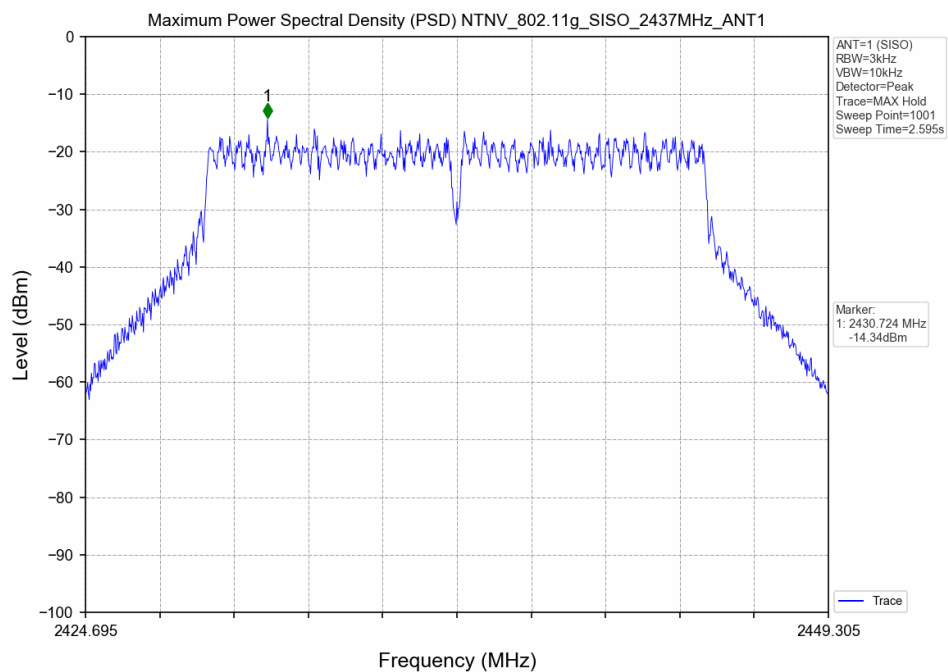
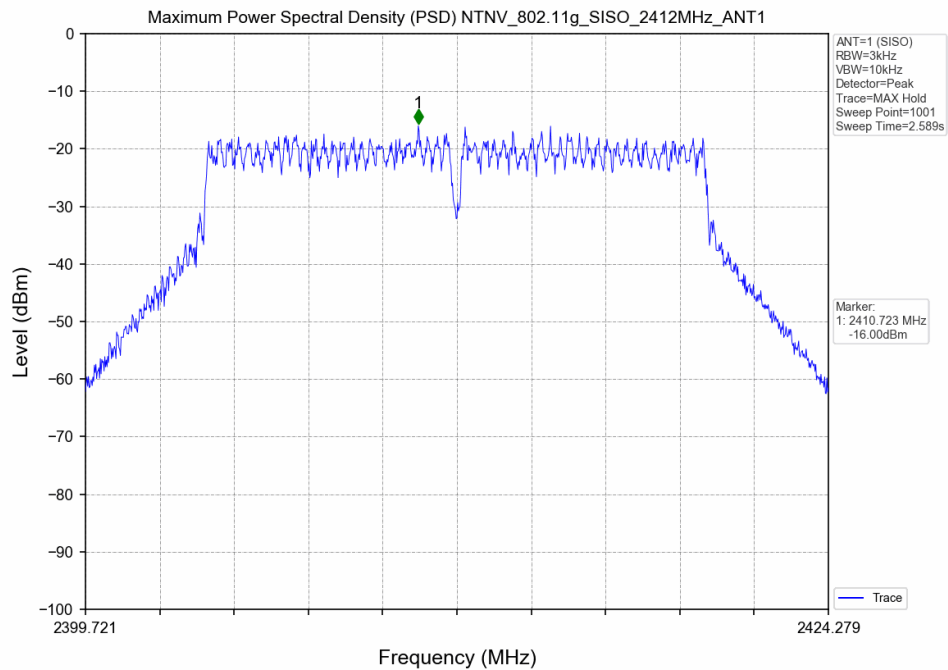
4.1 Test Result

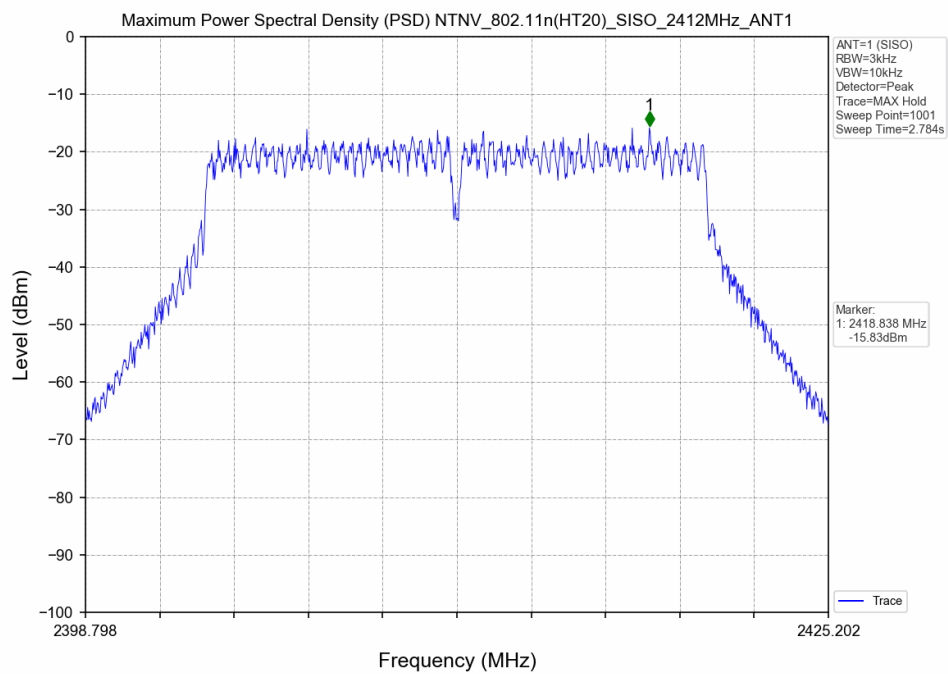
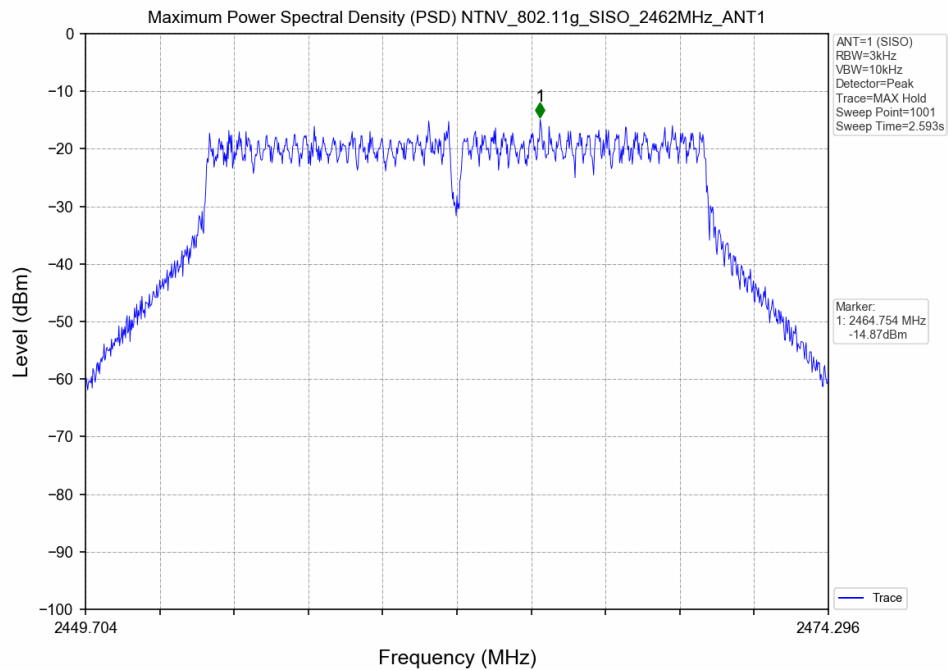
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.41	≤8	PASS
	2437	SISO	-7.27	≤8	PASS
	2462	SISO	-7.17	≤8	PASS
802.11g	2412	SISO	-16.00	≤8	PASS
	2437	SISO	-14.34	≤8	PASS
	2462	SISO	-14.87	≤8	PASS
802.11n(HT20)	2412	SISO	-15.83	≤8	PASS
	2437	SISO	-15.92	≤8	PASS
	2462	SISO	-15.85	≤8	PASS
802.11n(HT40)	2422	SISO	-18.61	≤8	PASS
	2437	SISO	-18.46	≤8	PASS
	2452	SISO	-19.13	≤8	PASS

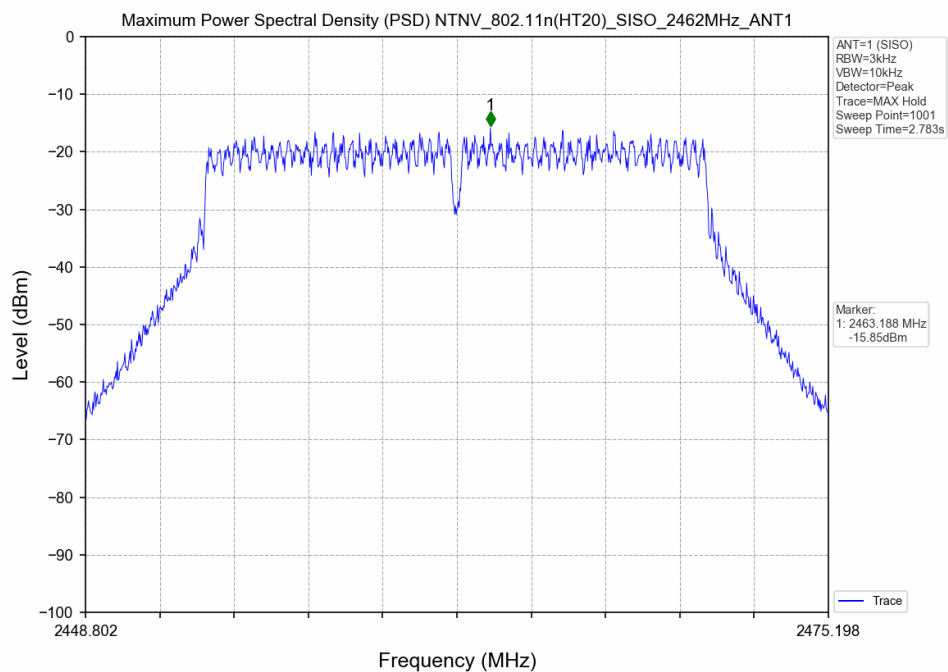
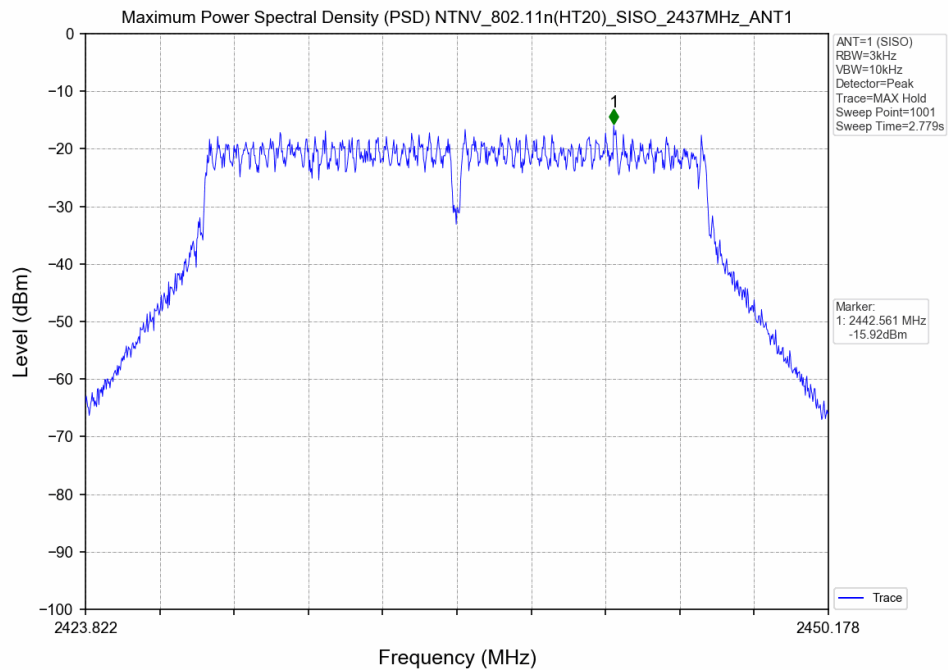
4.2 Test Graph

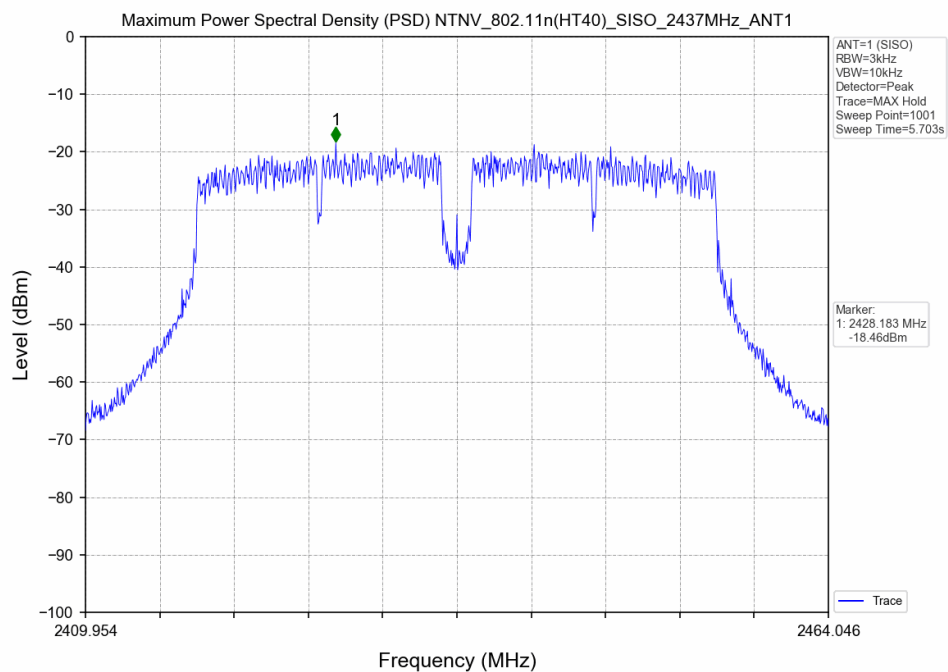
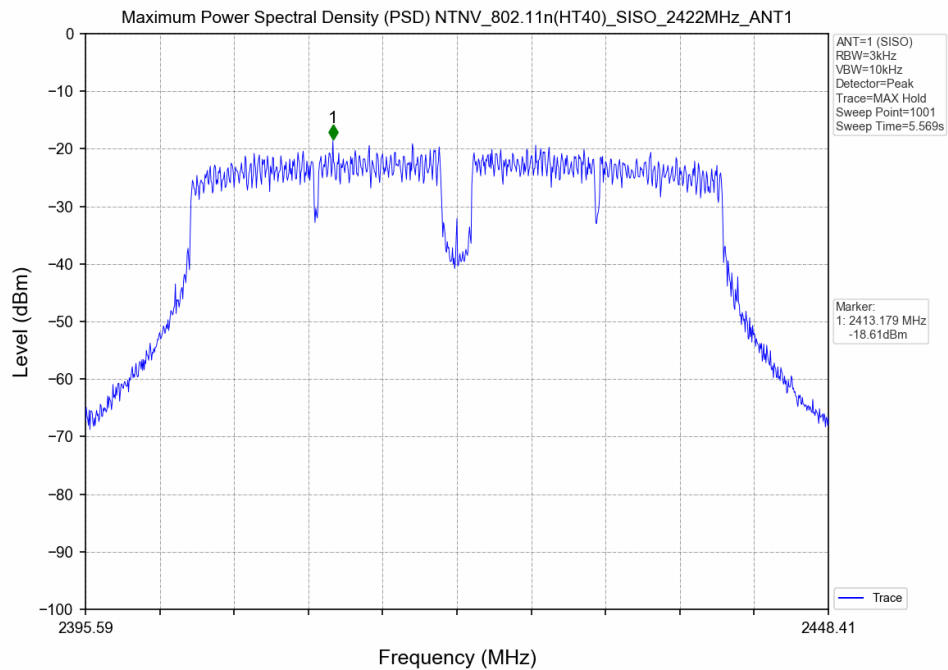


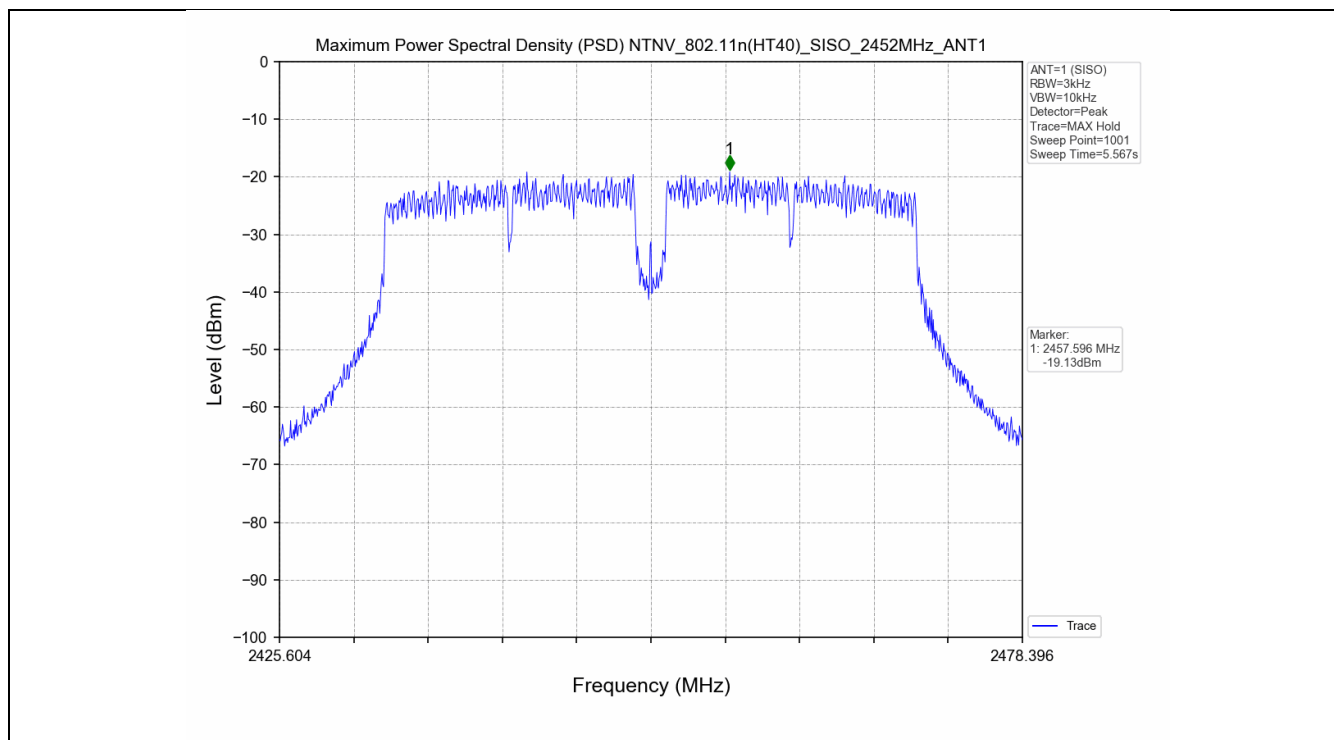












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-13.22	PASS
	2437	SISO	1	Refer to test graph	-13.22	PASS
	2462	SISO	1	Refer to test graph	-13.22	PASS
802.11g	2412	SISO	1	Refer to test graph	-21.48	PASS
	2437	SISO	1	Refer to test graph	-21.48	PASS
	2462	SISO	1	Refer to test graph	-21.48	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-21.04	PASS
	2437	SISO	1	Refer to test graph	-21.04	PASS
	2462	SISO	1	Refer to test graph	-21.04	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-24.34	PASS
	2437	SISO	1	Refer to test graph	-24.34	PASS
	2452	SISO	1	Refer to test graph	-24.34	PASS

5.2 Test Graph

