

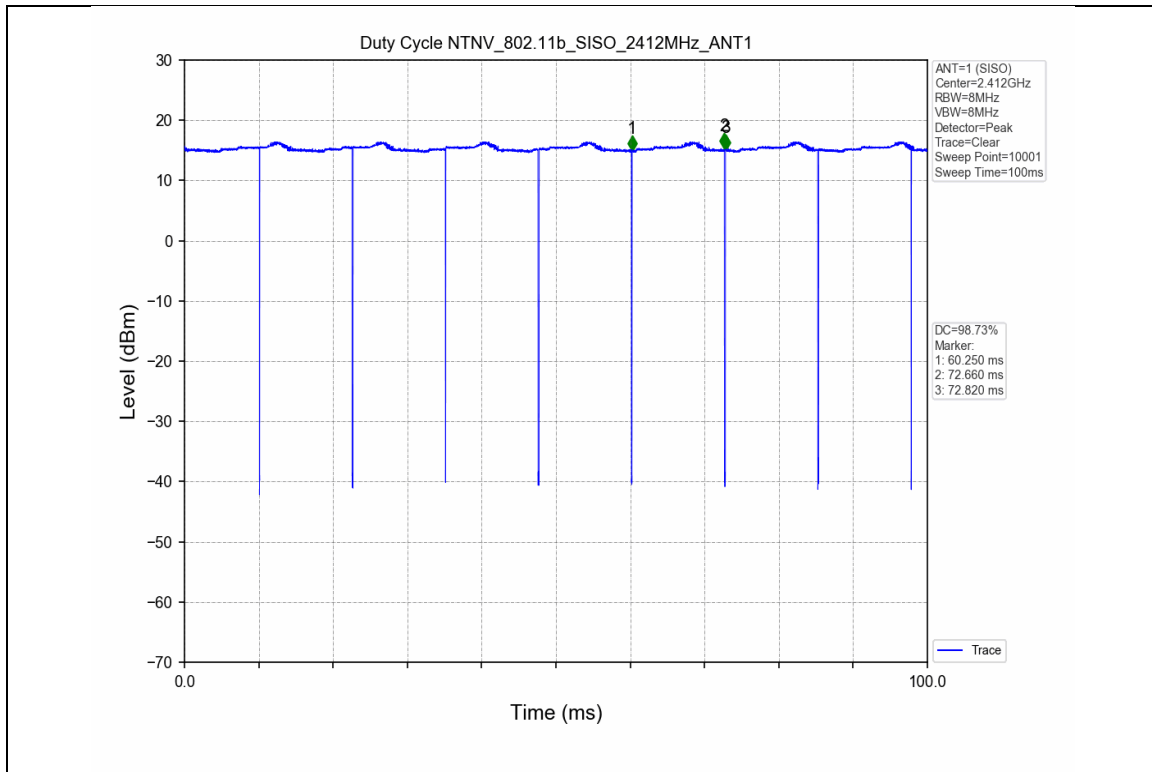
Appendix A for SHEM210200136501

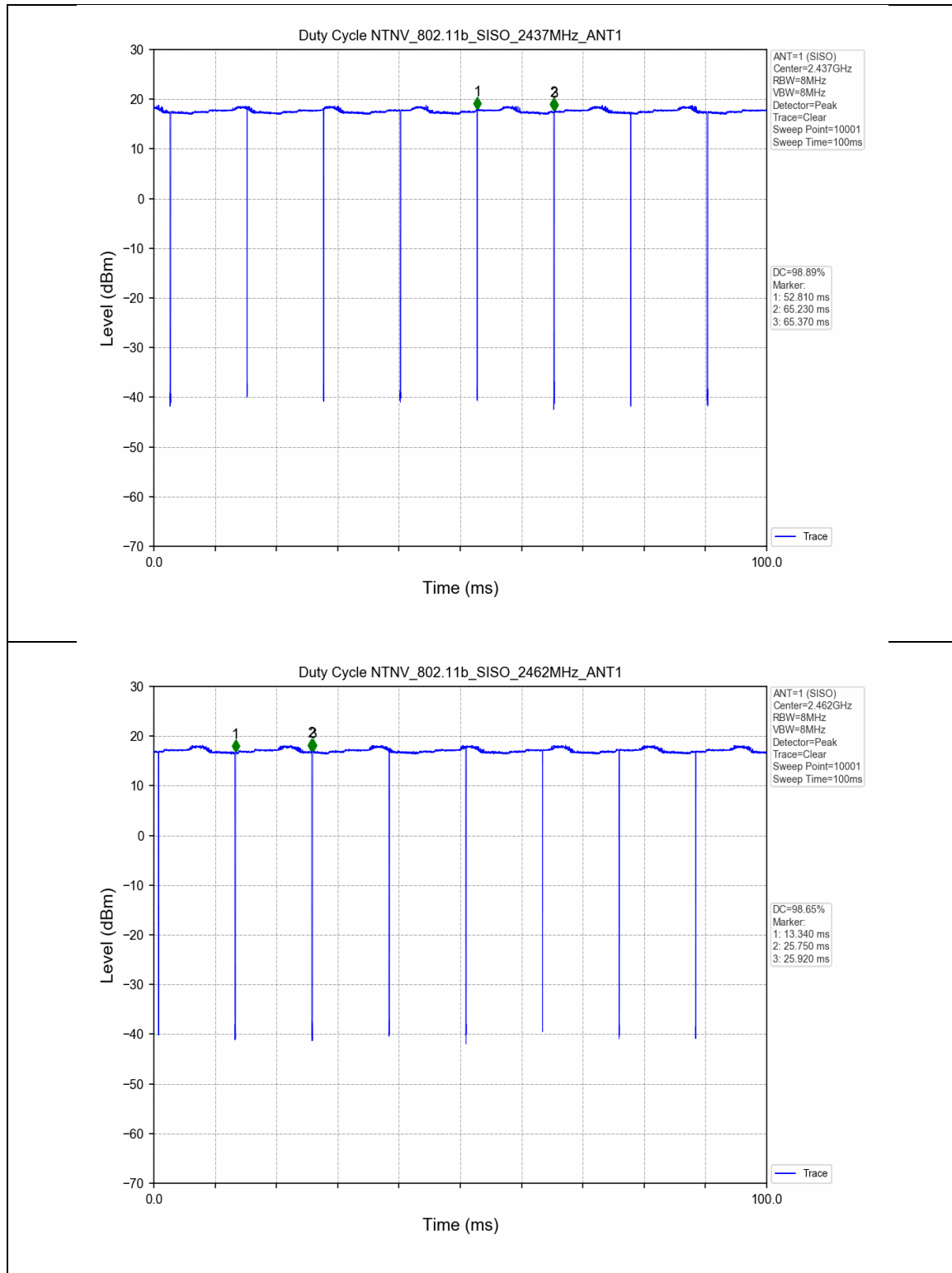
1. Duty Cycle

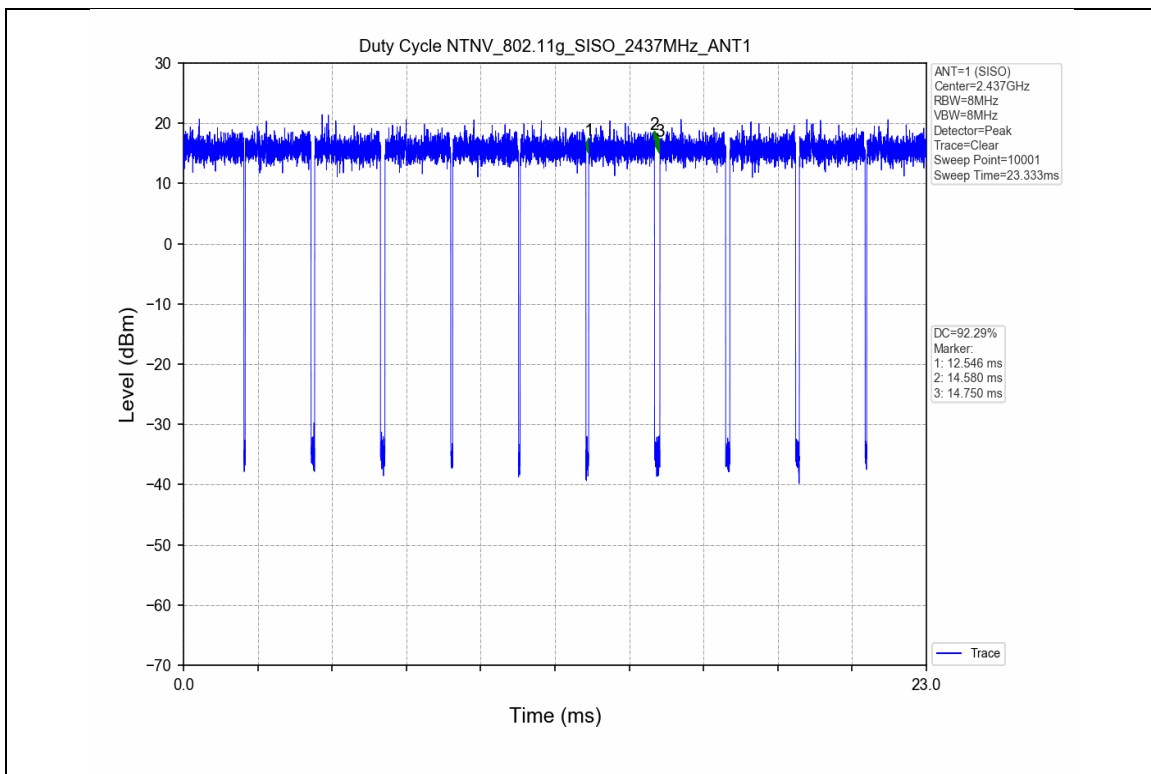
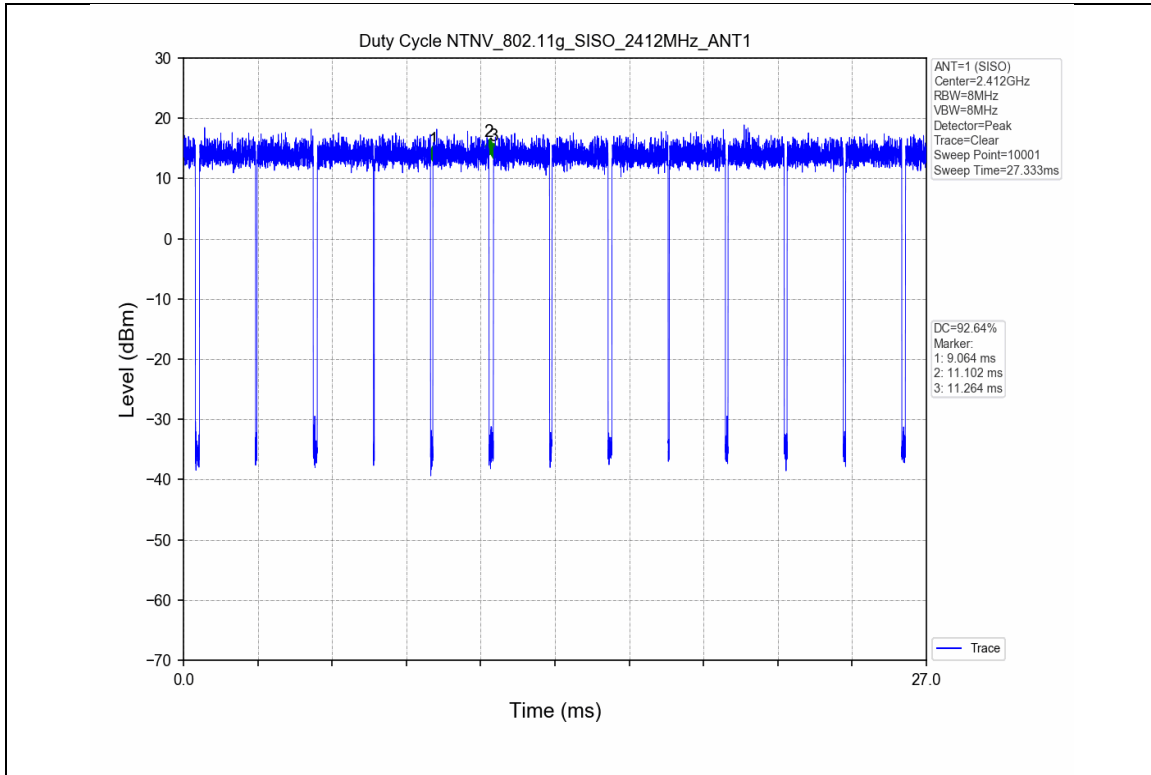
1.1 Test Result

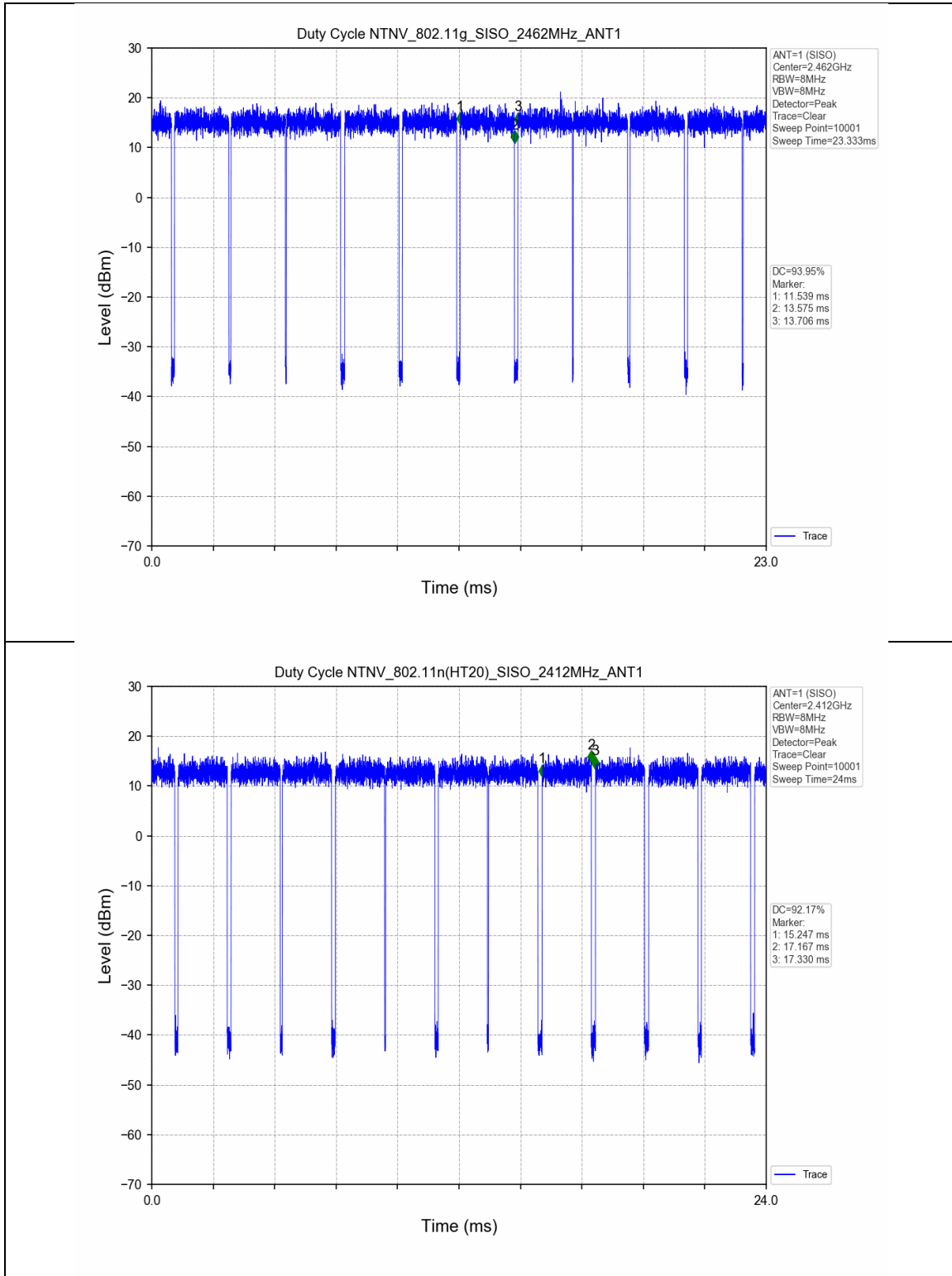
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.410	12.570	98.73	0.06
	2437	SISO	1	12.420	12.560	98.89	0.05
	2462	SISO	1	12.410	12.580	98.65	0.06
802.11g	2412	SISO	1	2.038	2.200	92.64	0.33
	2437	SISO	1	2.034	2.204	92.29	0.35
	2462	SISO	1	2.036	2.167	93.95	0.27
802.11n(HT20)	2412	SISO	1	1.920	2.083	92.17	0.35
	2437	SISO	1	1.918	2.081	92.17	0.35
	2462	SISO	1	1.888	2.047	92.23	0.35
802.11n(HT40)	2422	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2452	SISO	1	100.000	100.000	100.00	0.00

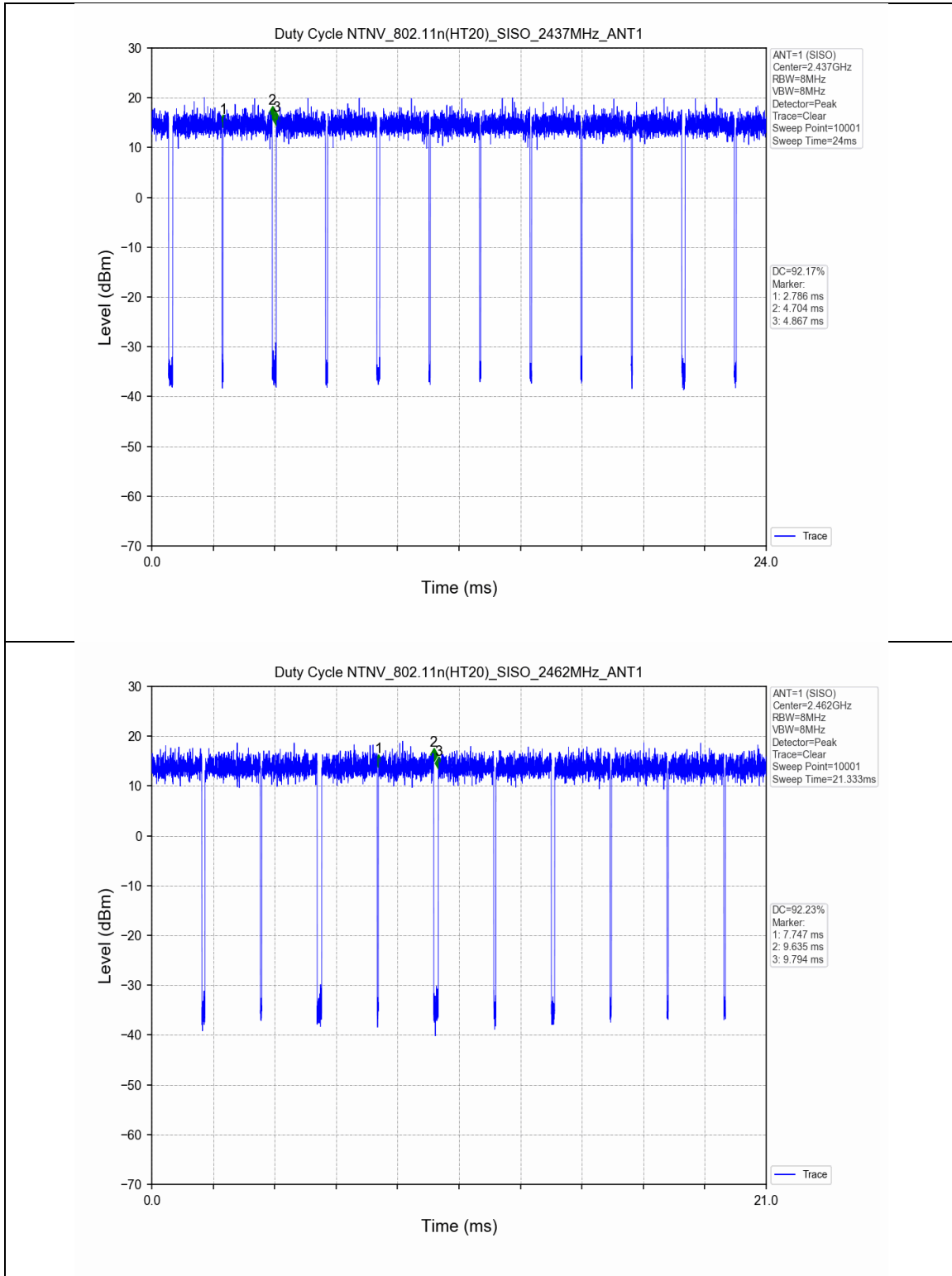
1.2 Test Graph

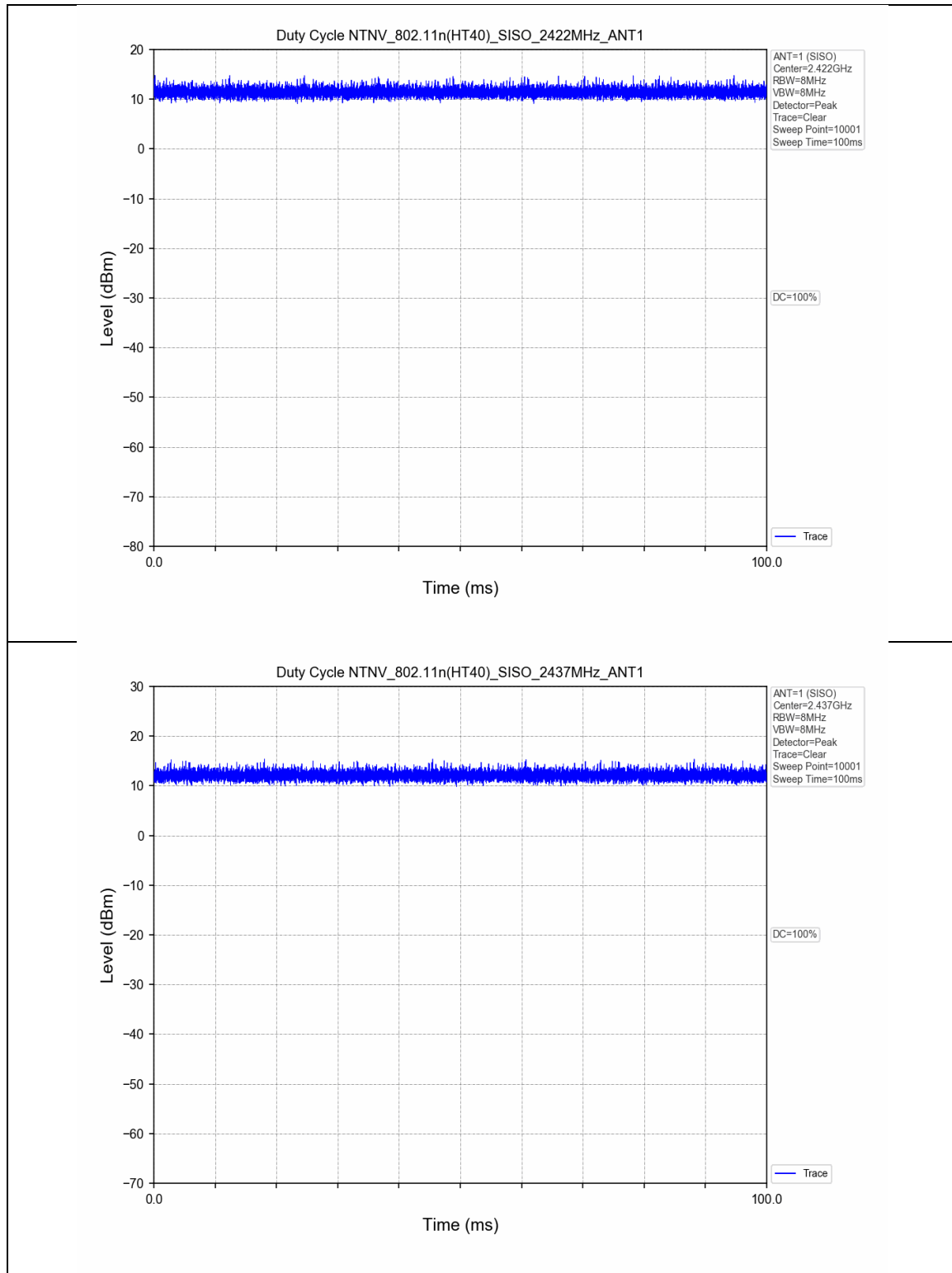


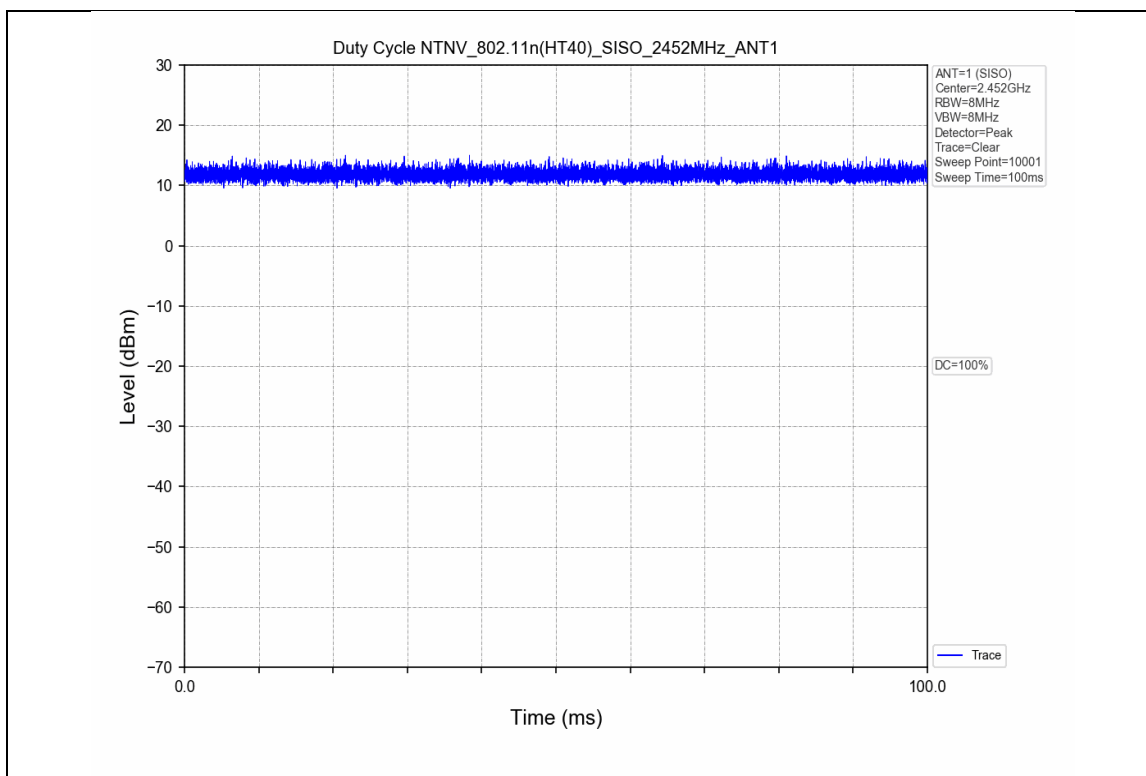












2. Bandwidth

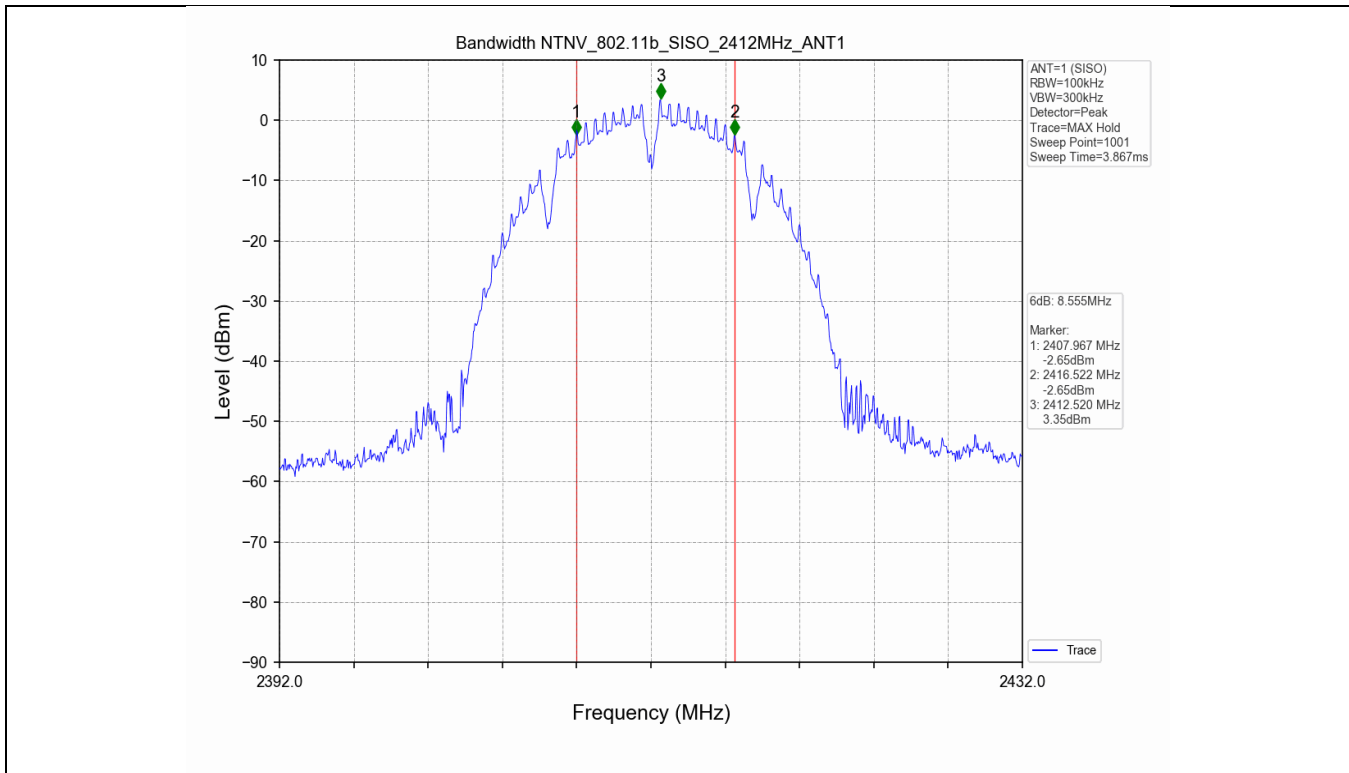
2.1 Test Result

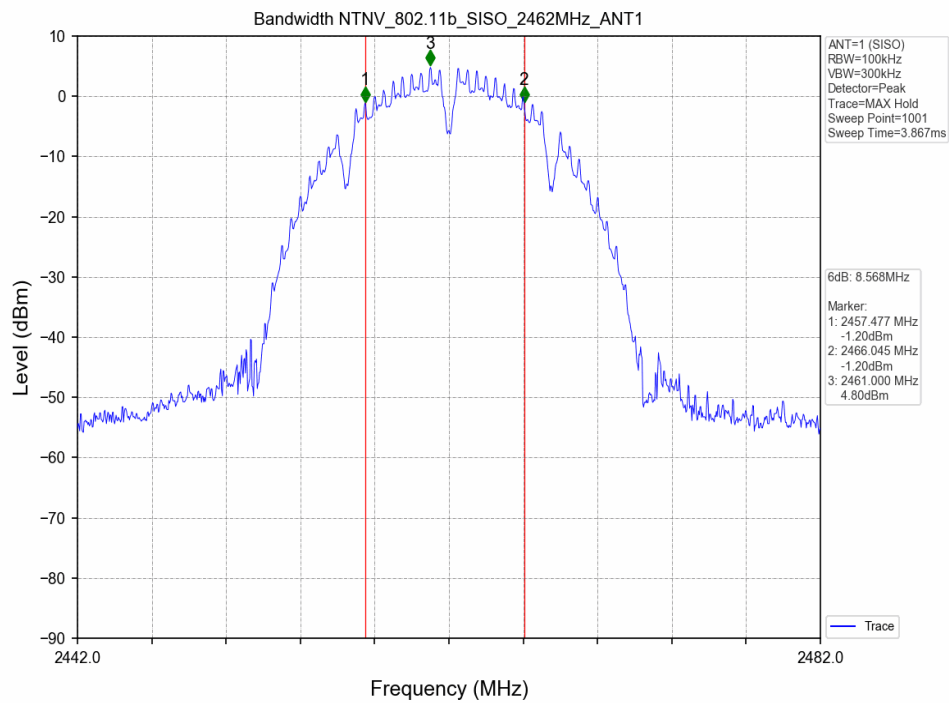
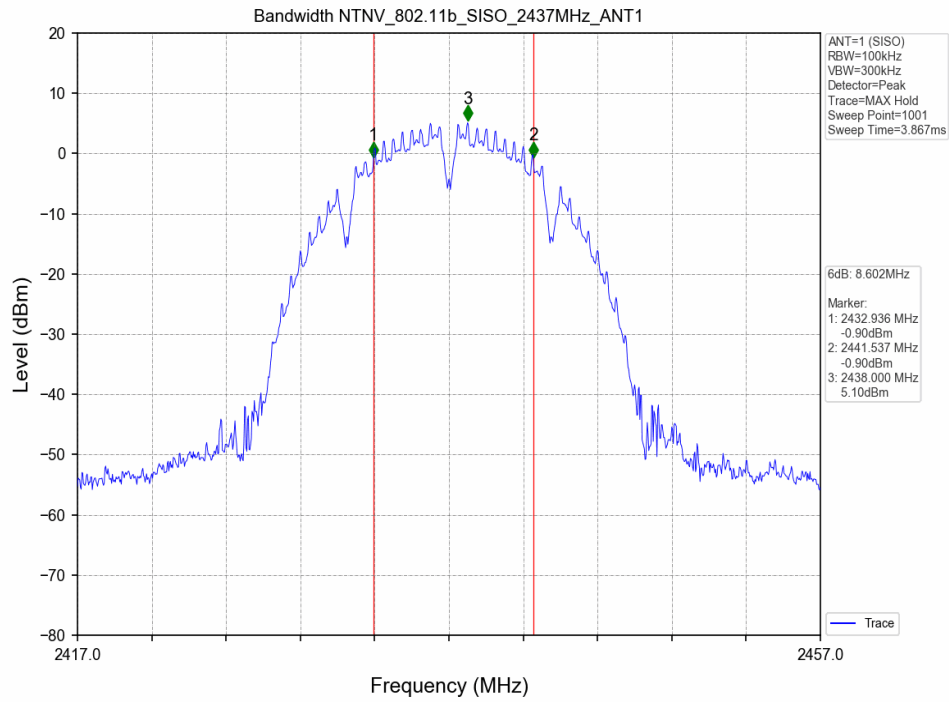
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.555	≥0.5	PASS
	2437	SISO	1	8.602	≥0.5	PASS
	2462	SISO	1	8.568	≥0.5	PASS
802.11g	2412	SISO	1	16.328	≥0.5	PASS
	2437	SISO	1	16.379	≥0.5	PASS
	2462	SISO	1	16.406	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.342	≥0.5	PASS
	2437	SISO	1	17.566	≥0.5	PASS
	2462	SISO	1	17.565	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	36.520	≥0.5	PASS
	2437	SISO	1	36.526	≥0.5	PASS
	2452	SISO	1	36.544	≥0.5	PASS

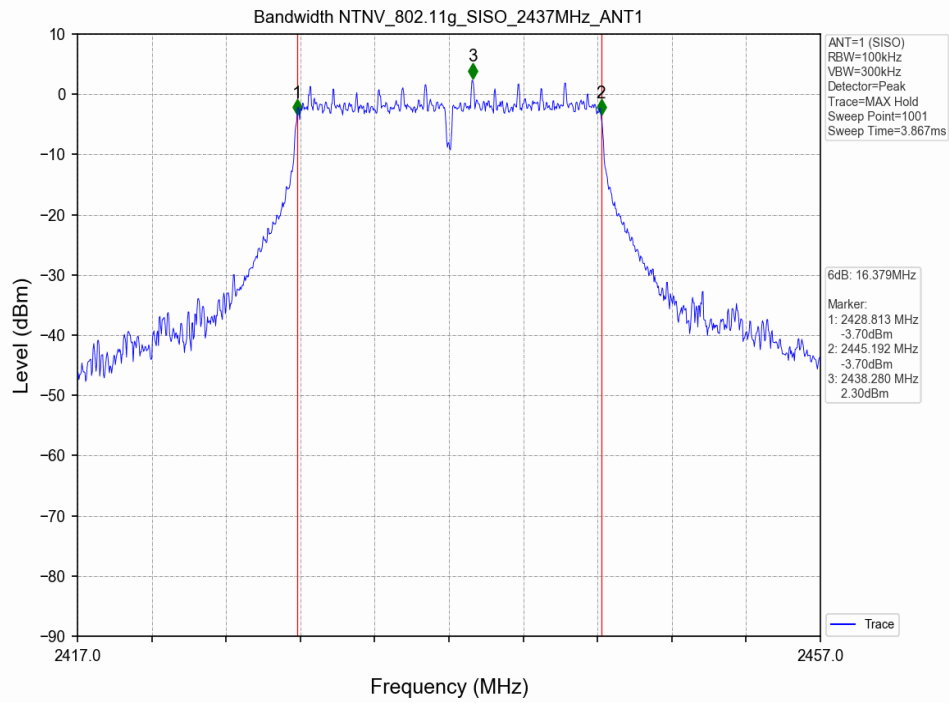
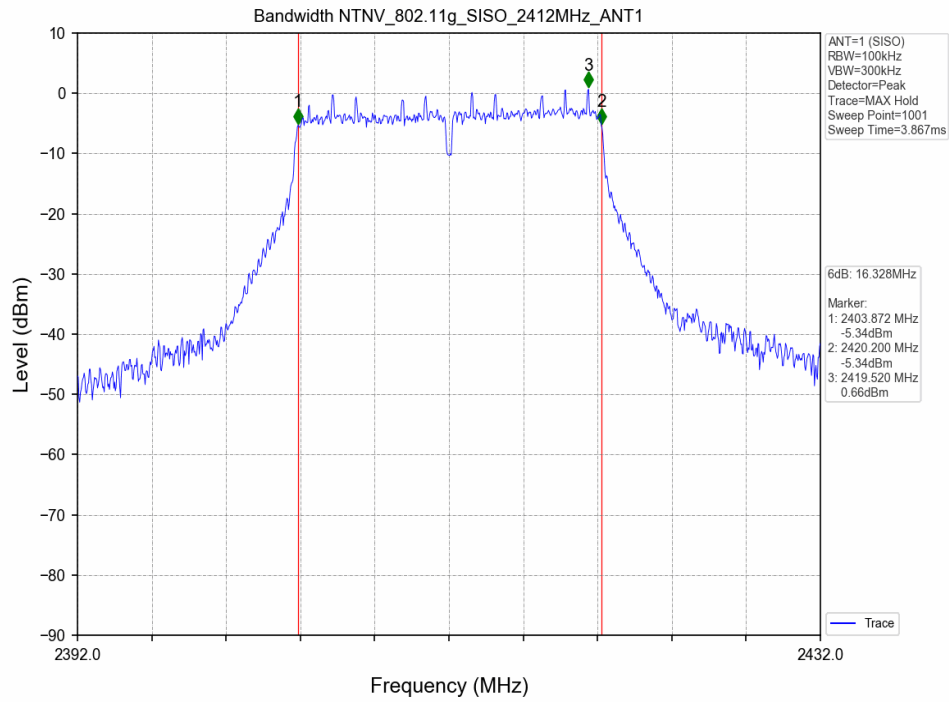
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.407	Only for Report Use
	2437	SISO	1	13.329	Only for Report Use
	2462	SISO	1	13.363	Only for Report Use
802.11g	2412	SISO	1	16.984	Only for Report Use
	2437	SISO	1	16.873	Only for Report Use
	2462	SISO	1	16.923	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.892	Only for Report Use

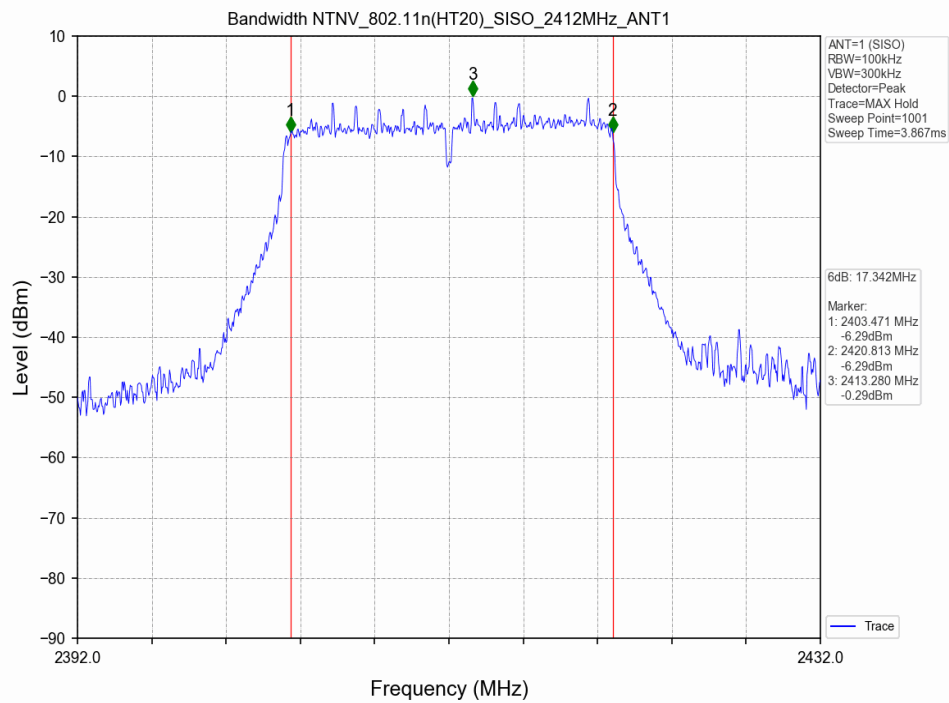
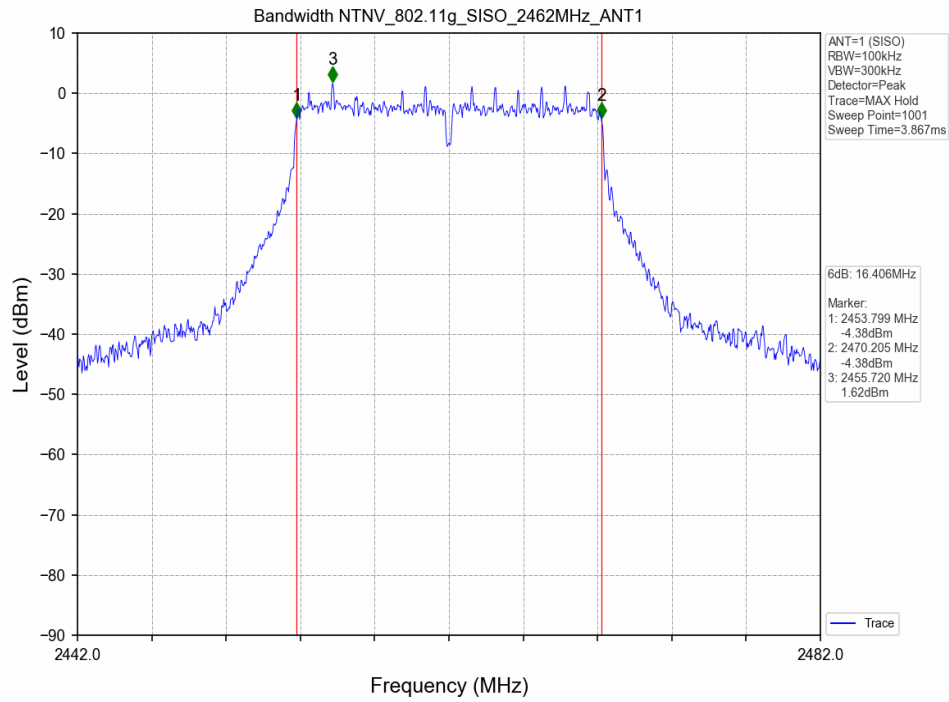
802.11n(HT40)	2437	SISO	1	18.002	Only for Report Use
	2462	SISO	1	17.988	Only for Report Use
	2422	SISO	1	36.745	Only for Report Use
	2437	SISO	1	36.699	Only for Report Use
	2452	SISO	1	36.747	Only for Report Use

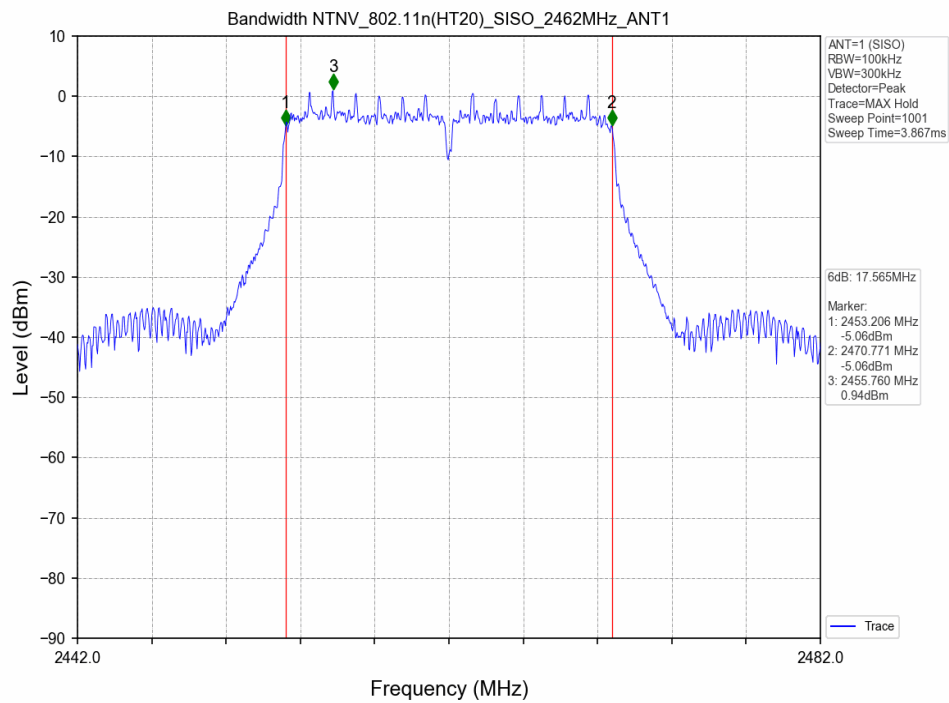
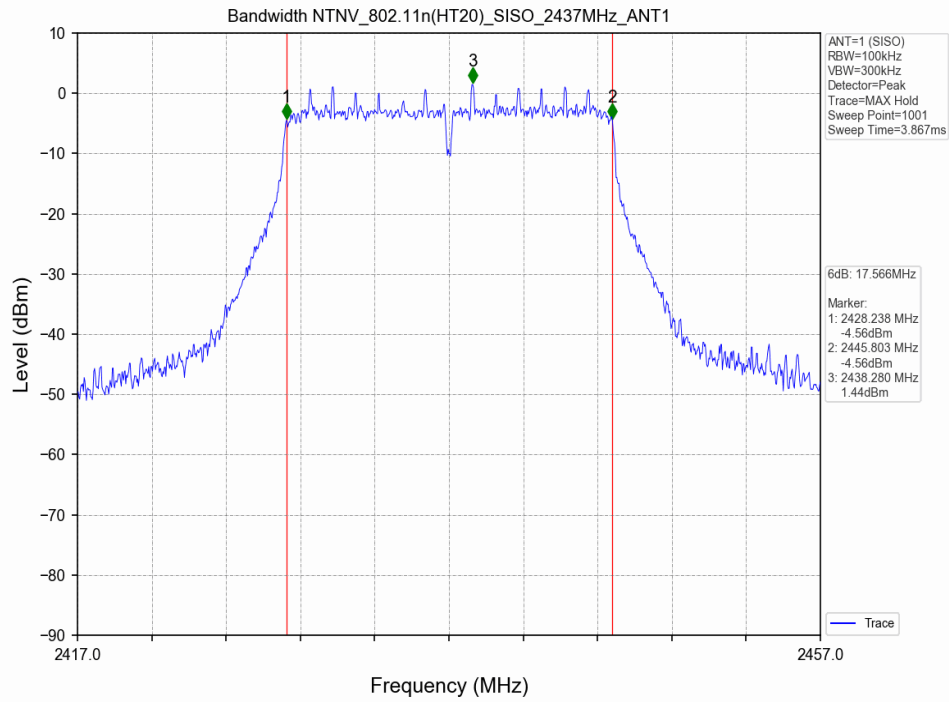
2.2 Test Graph - 6dB Bandwidth

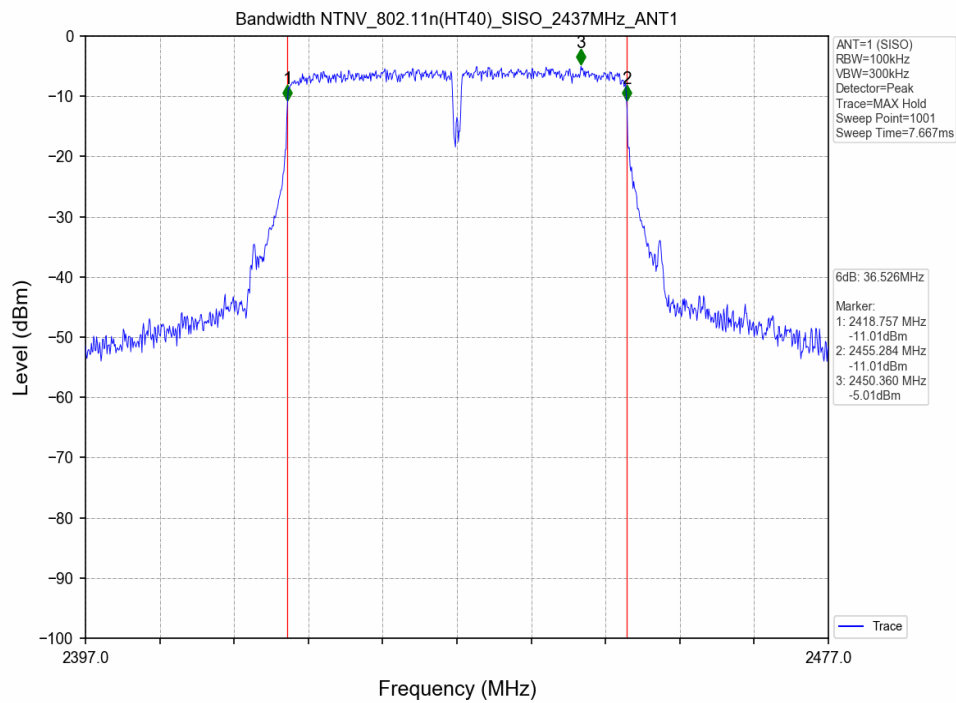
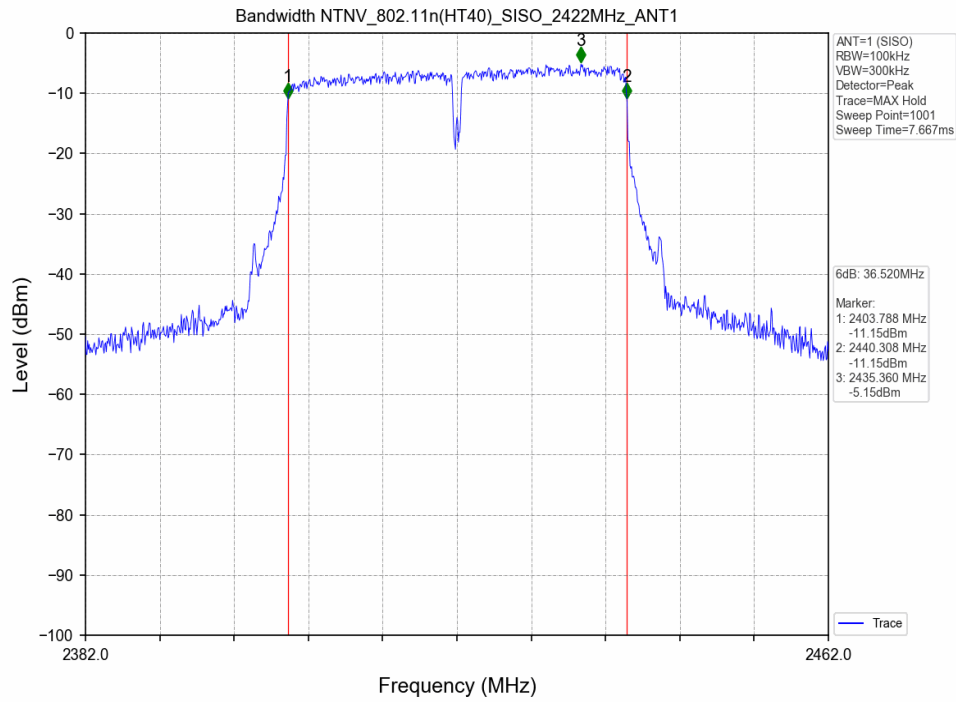


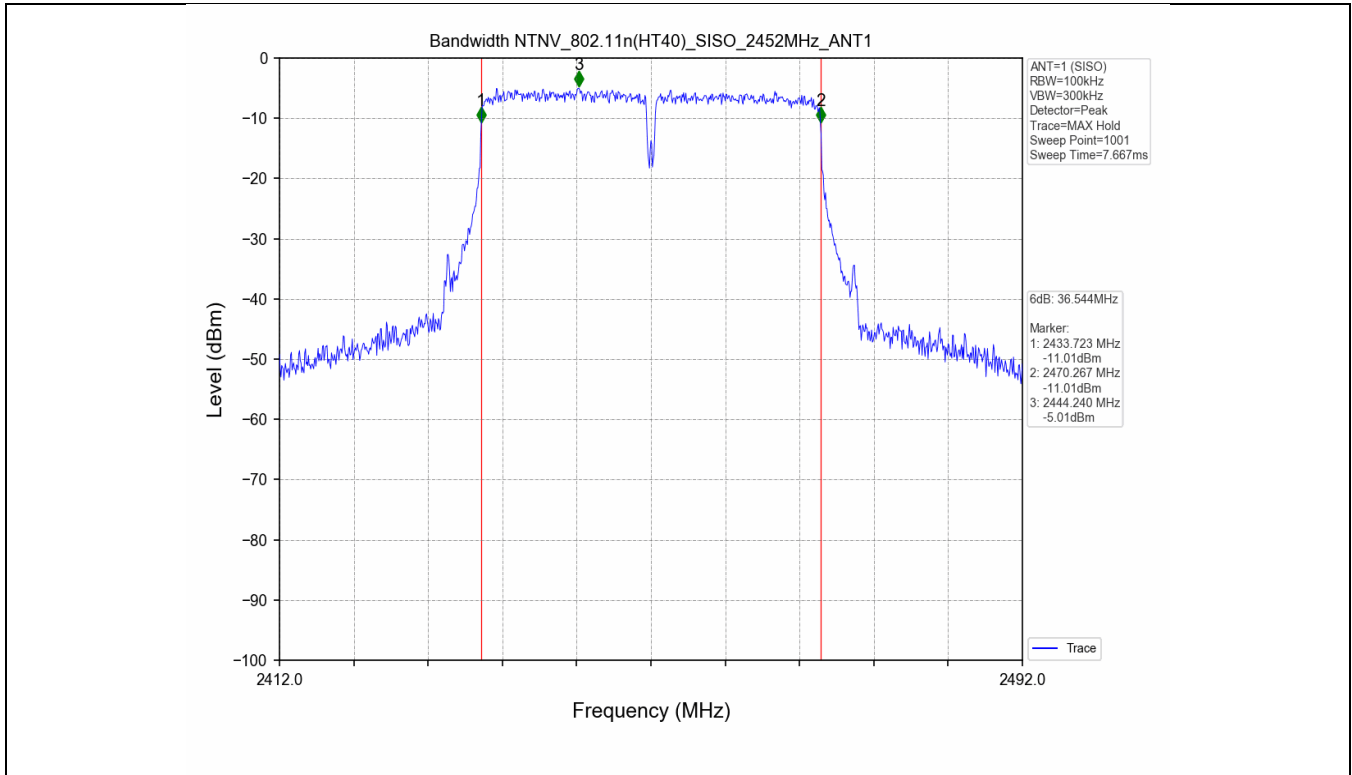




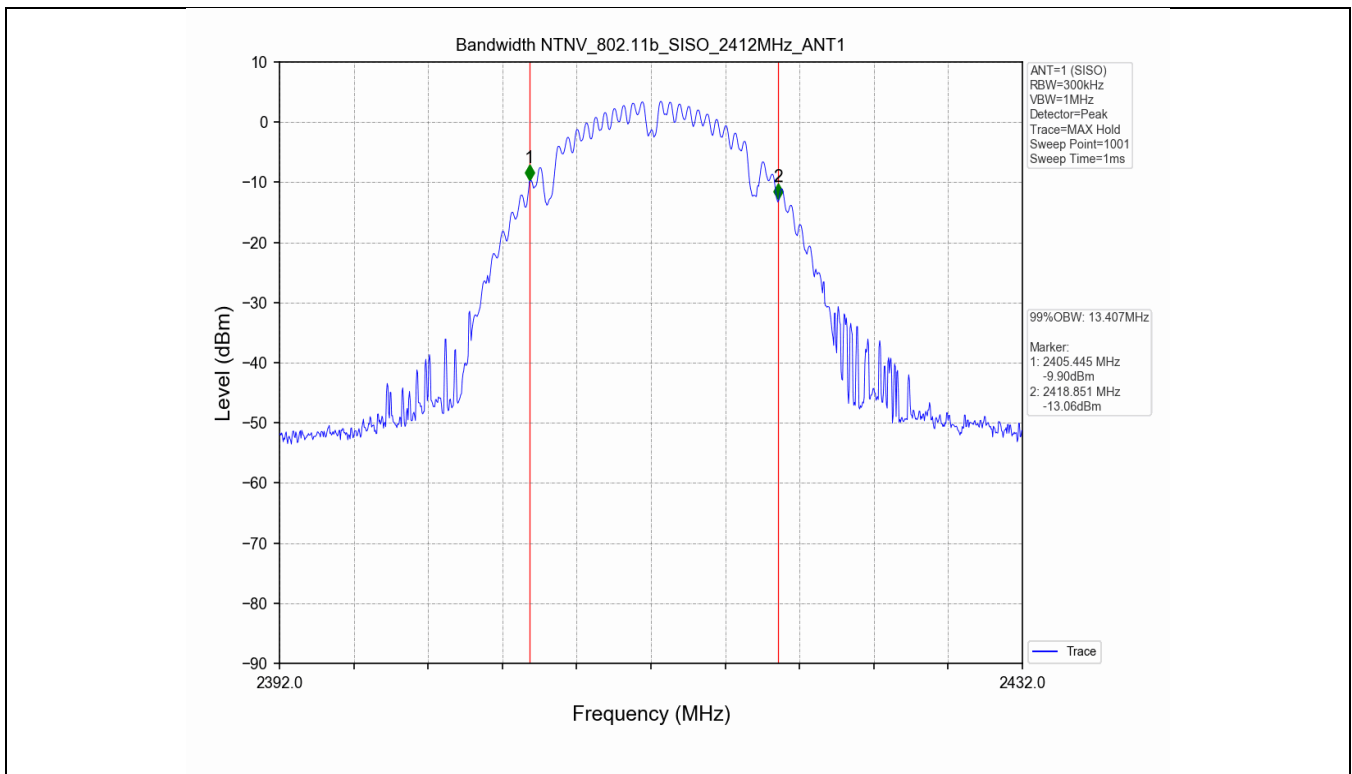


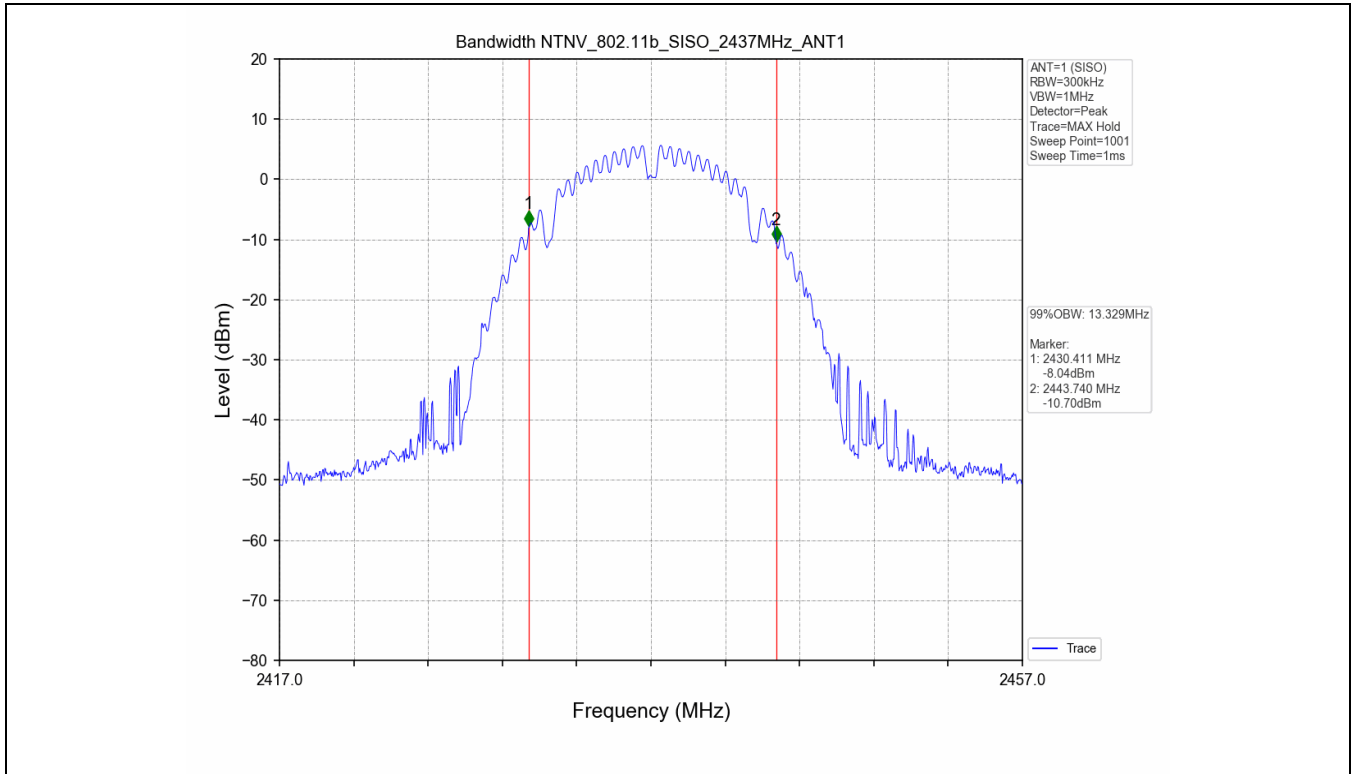


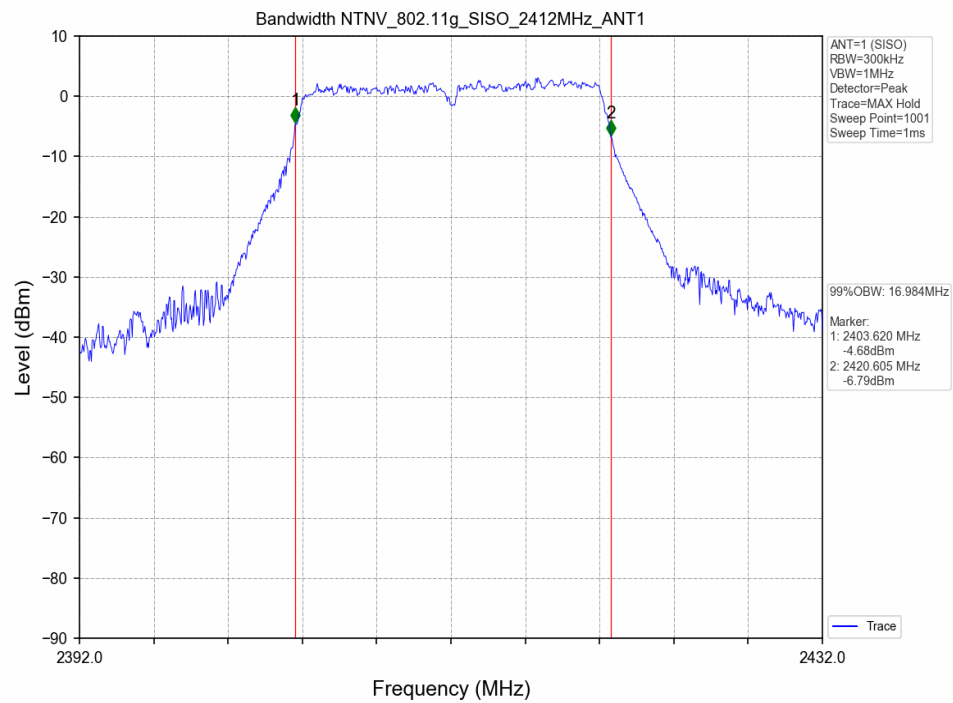
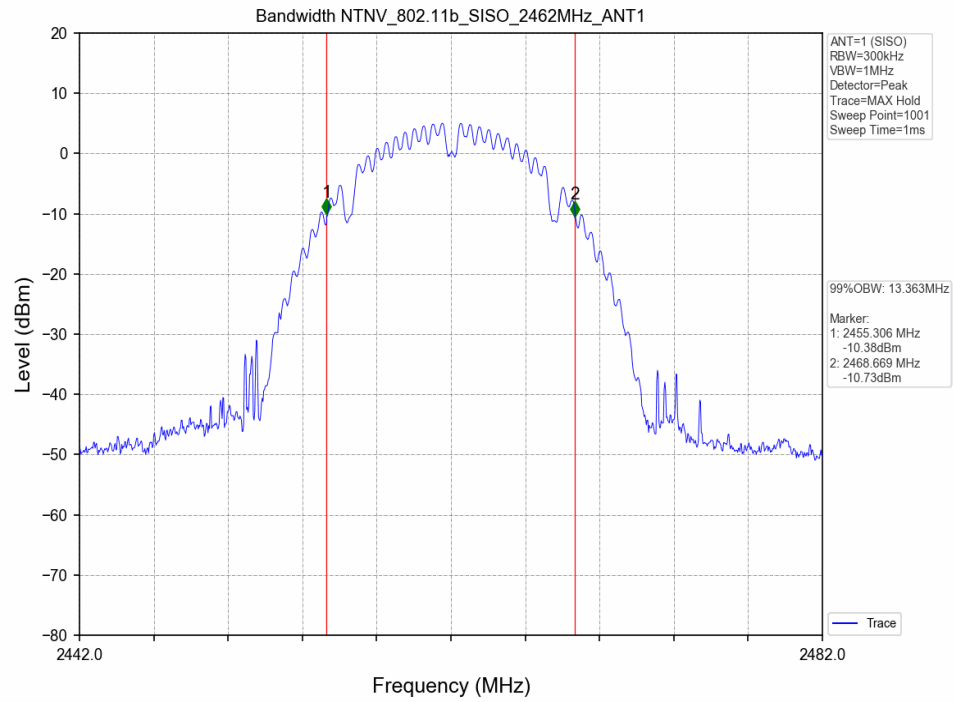


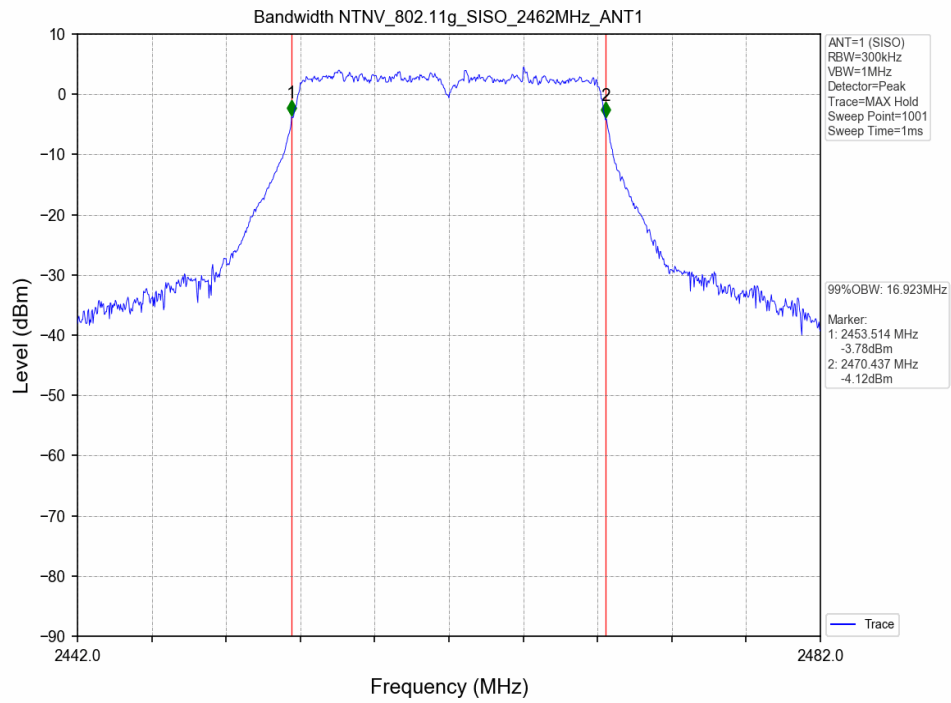
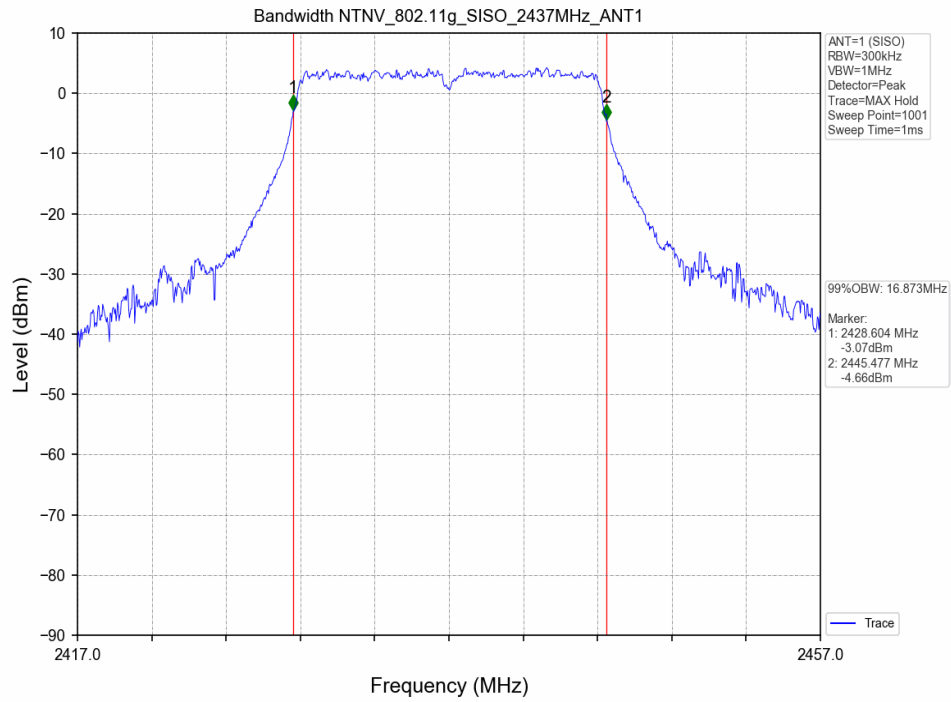


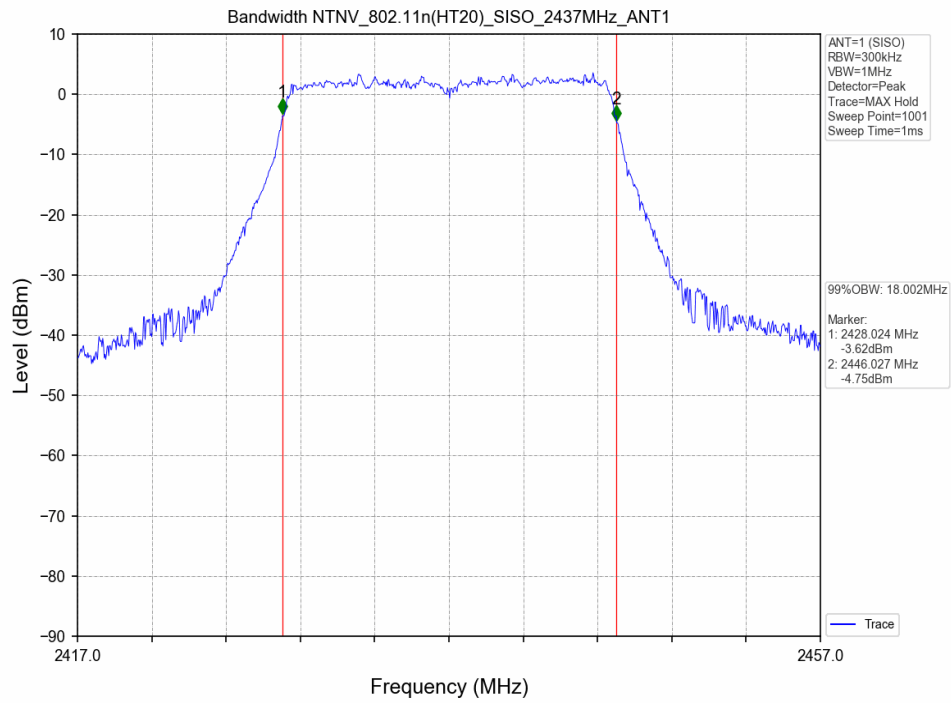
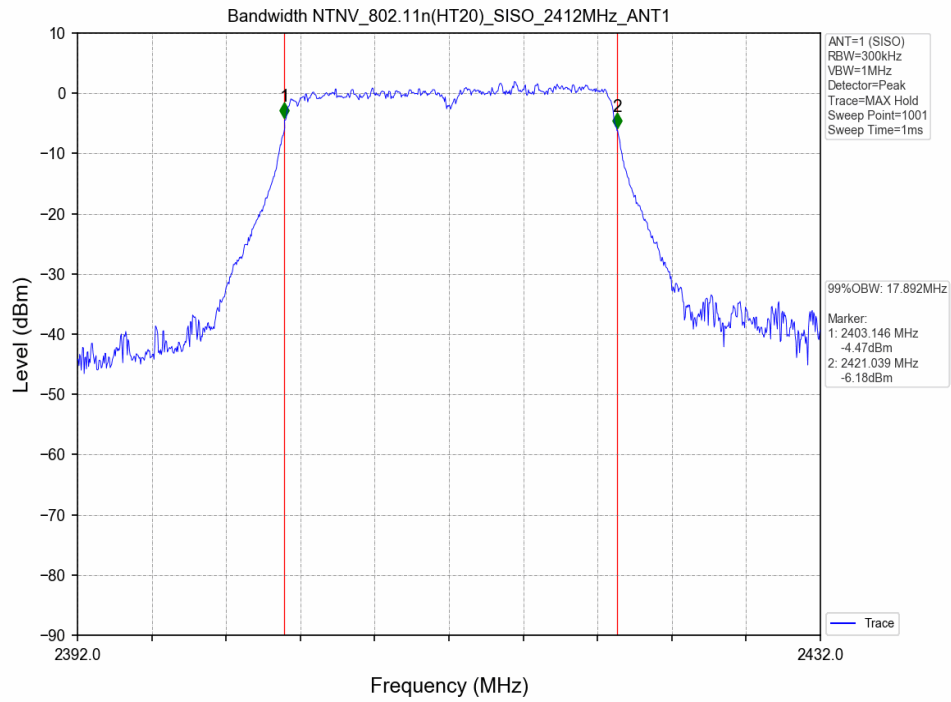
2.3 Test Graph - 99% Occupied Bandwidth

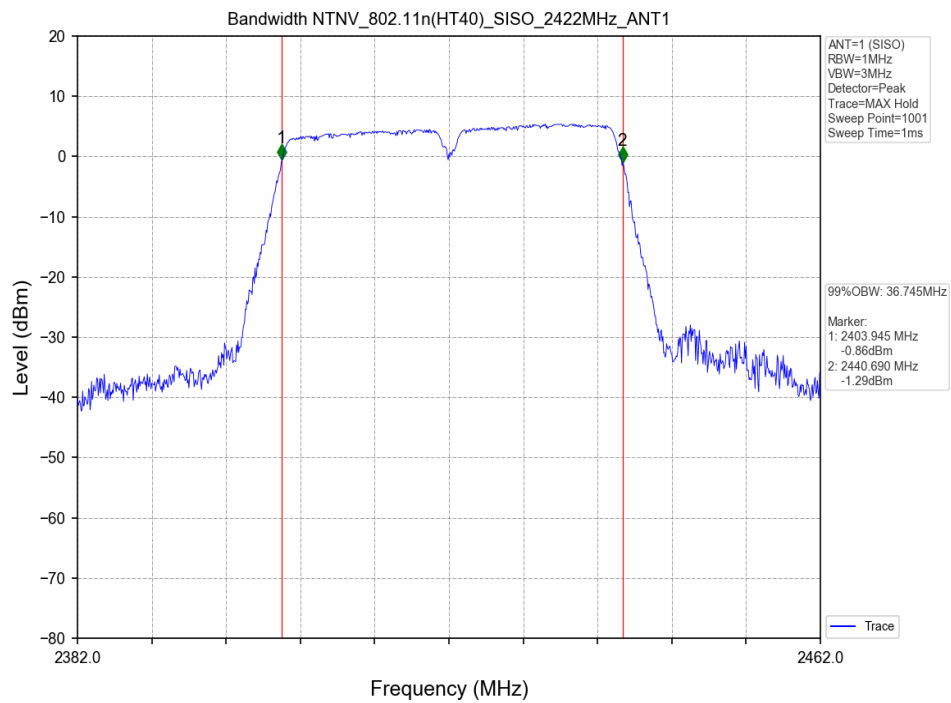
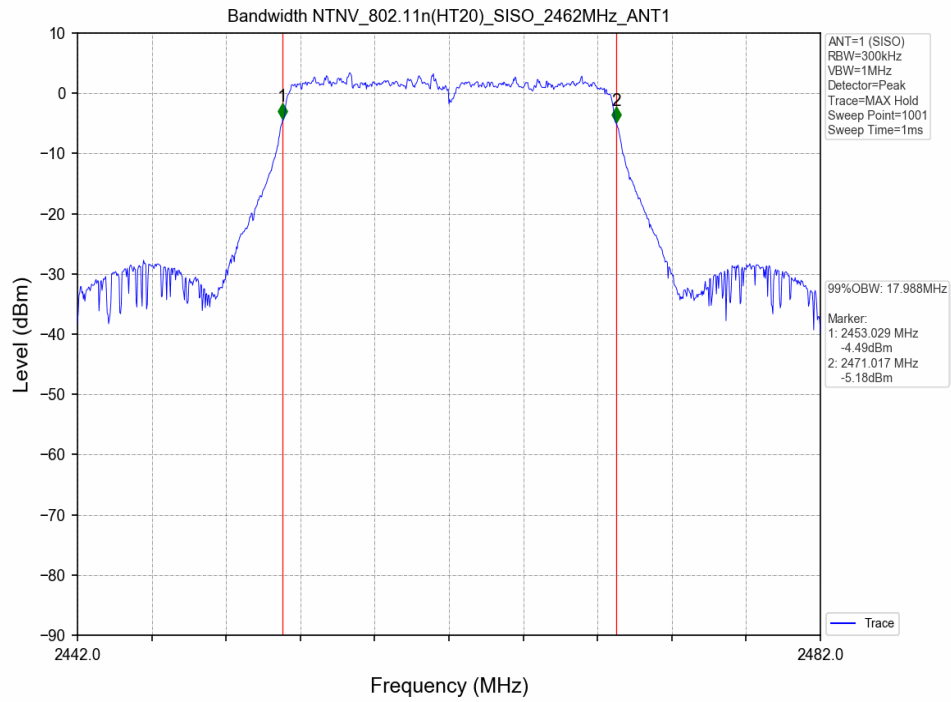


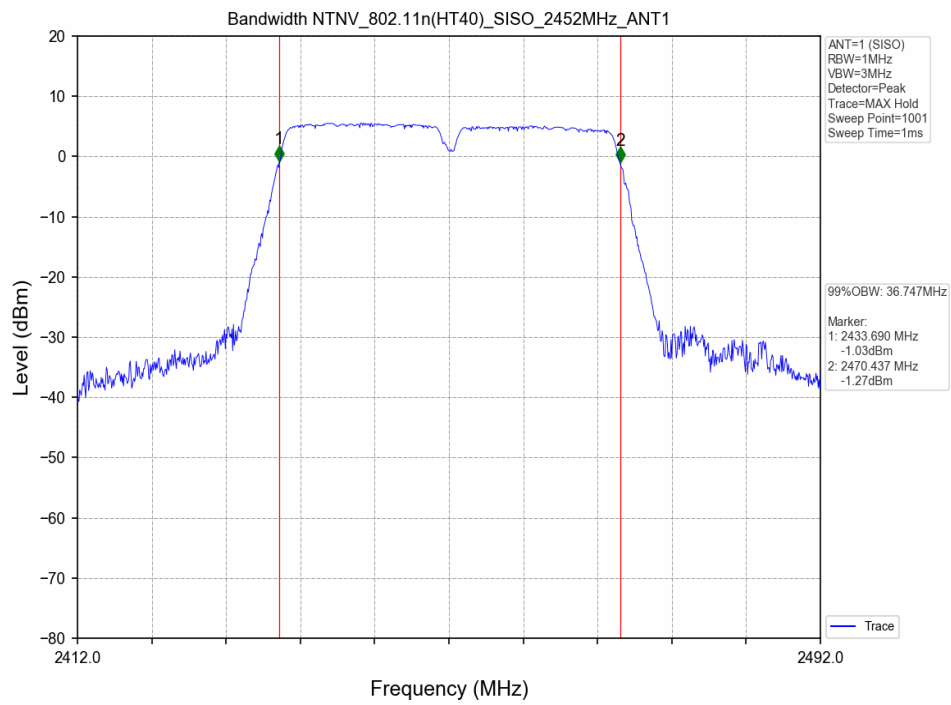
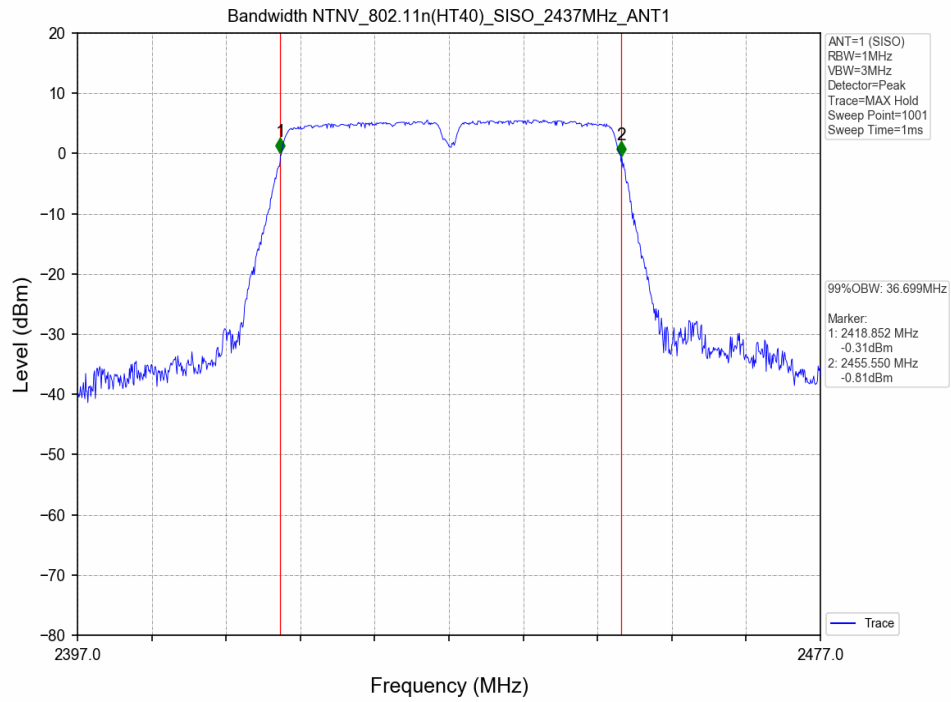










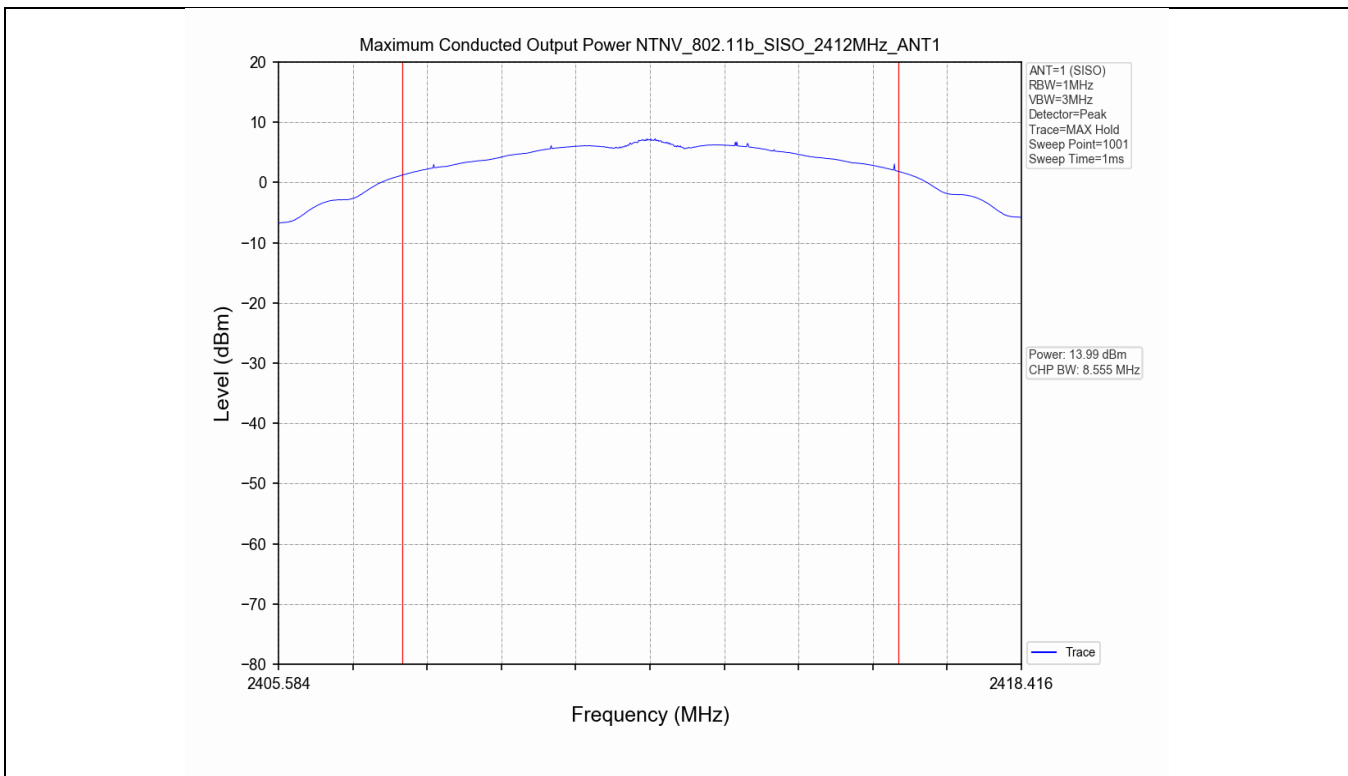


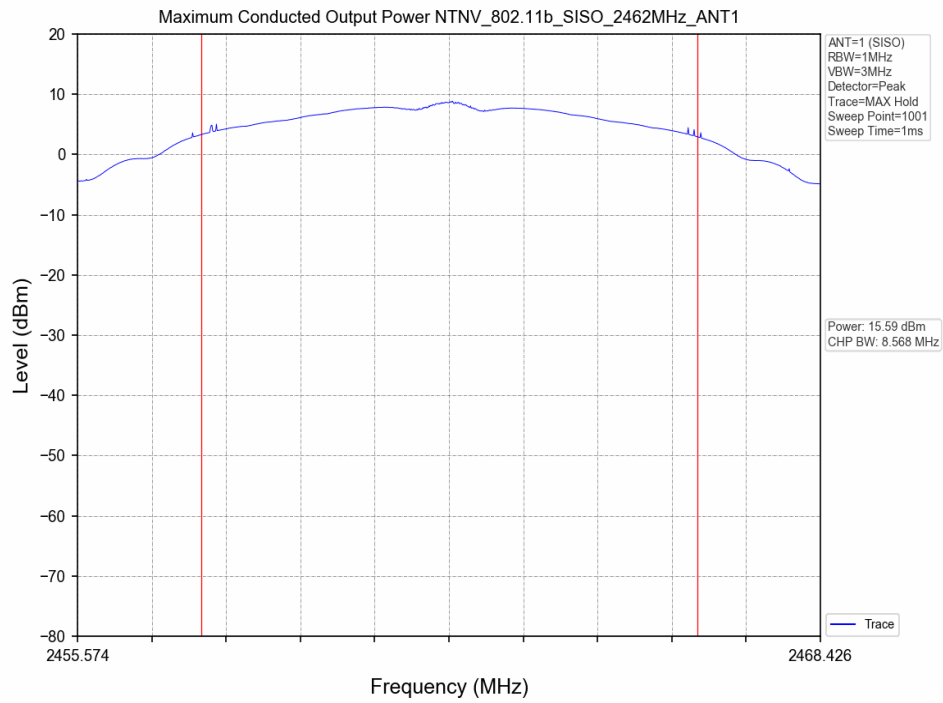
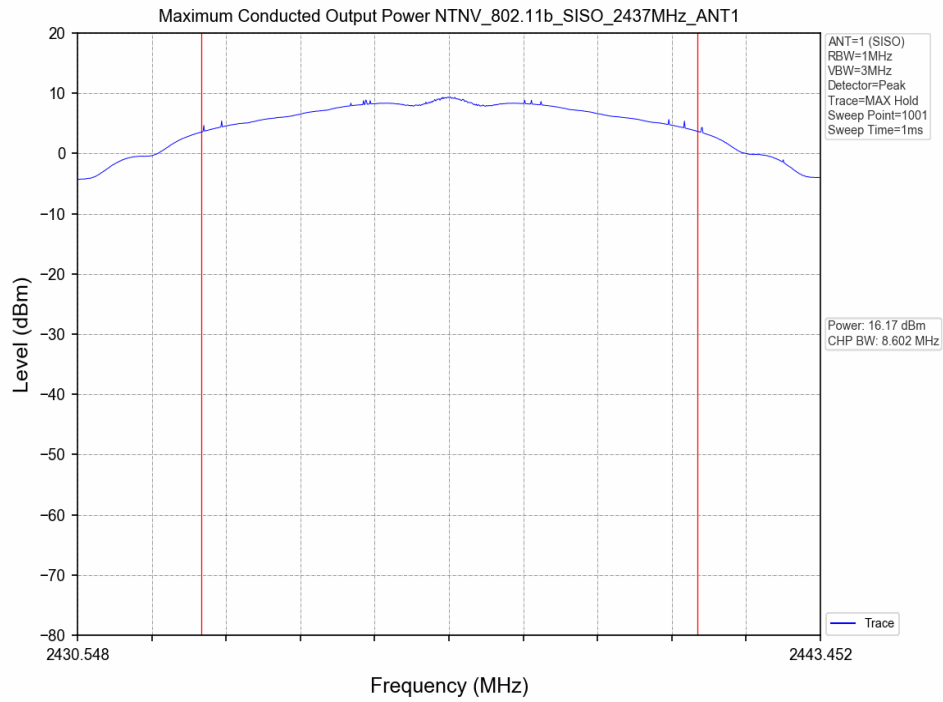
3. Maximum Conducted Output Power

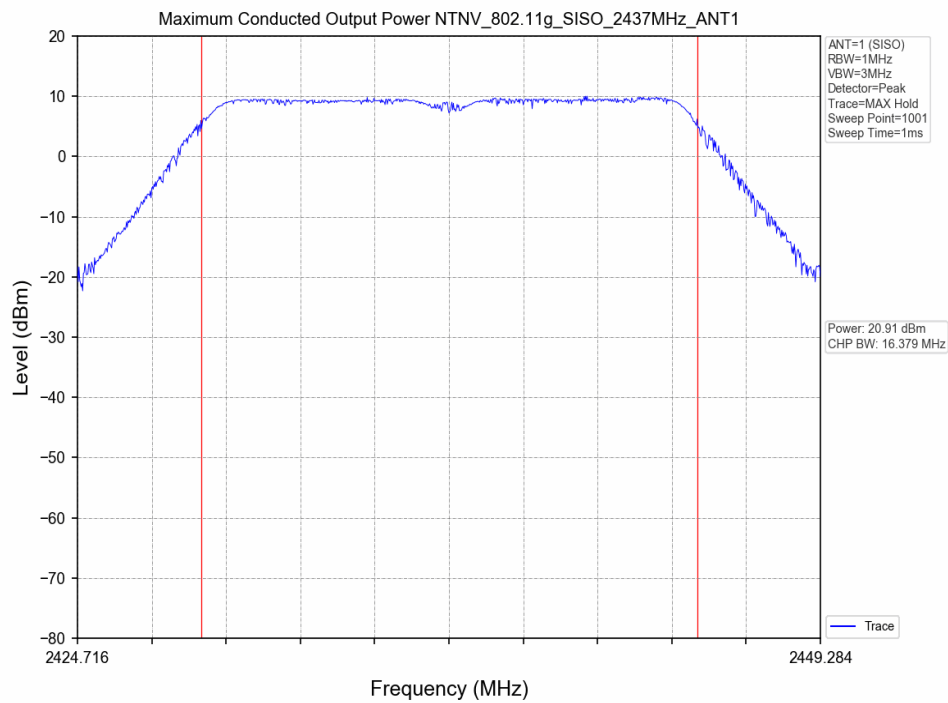
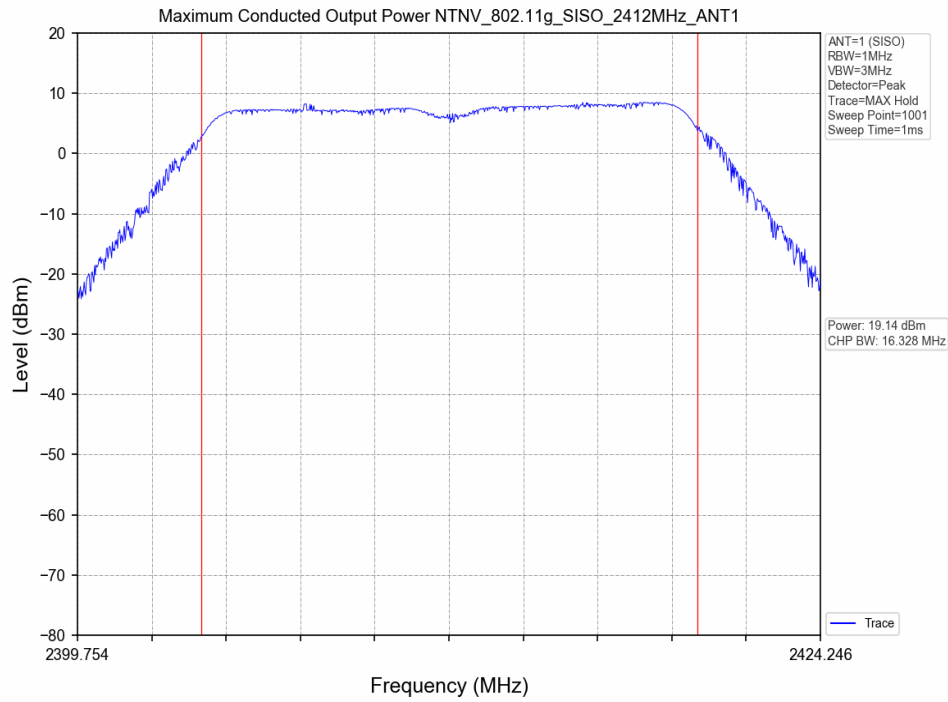
3.1 Test Result

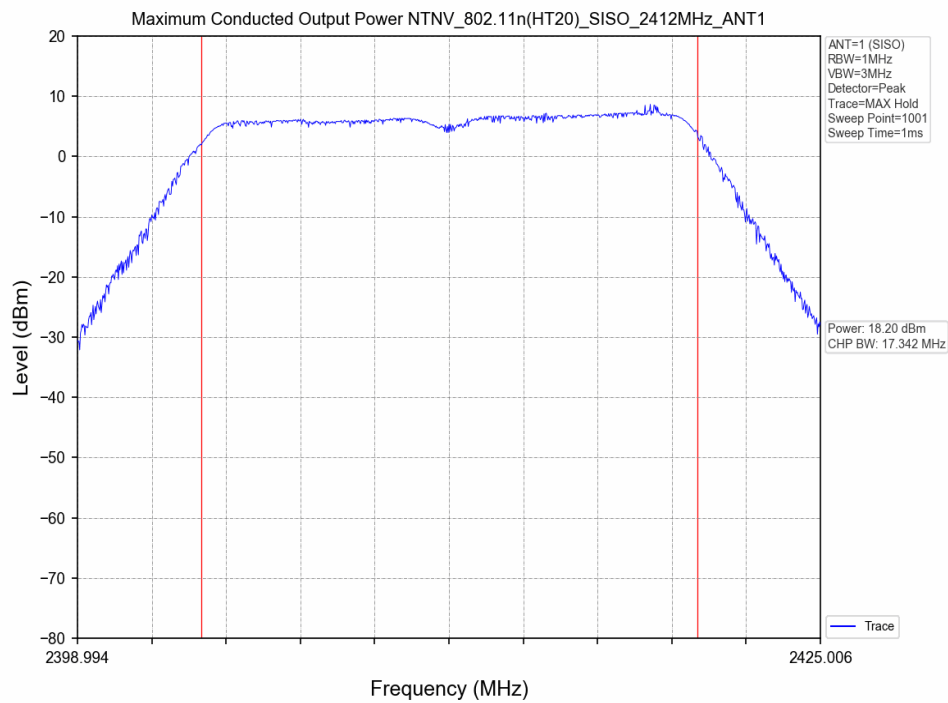
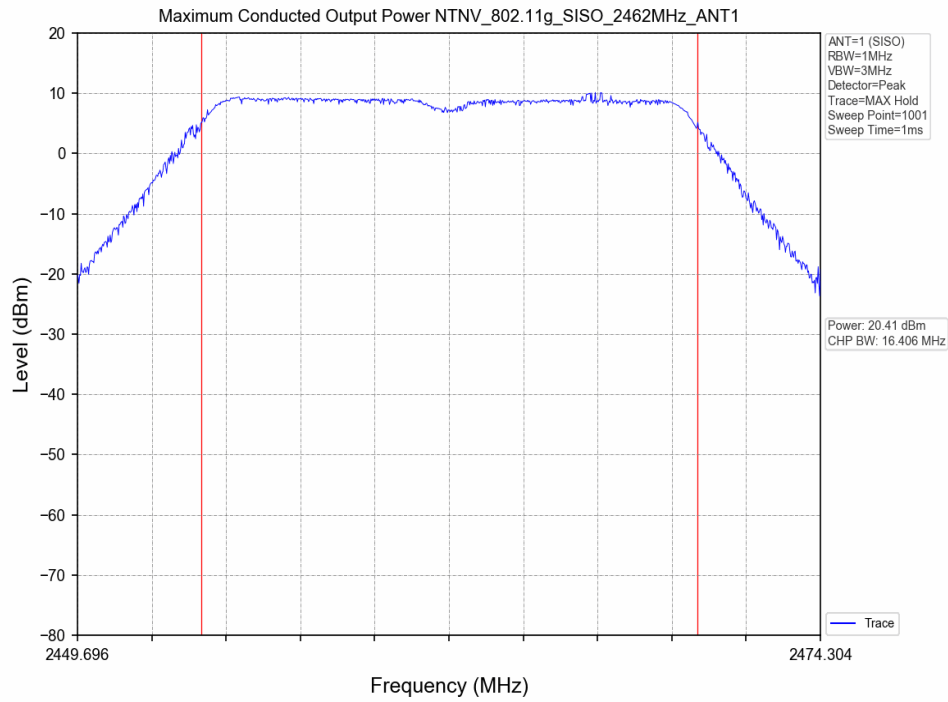
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	13.99	30	PASS
	2437	SISO	16.17	30	PASS
	2462	SISO	15.59	30	PASS
802.11g	2412	SISO	19.14	30	PASS
	2437	SISO	20.91	30	PASS
	2462	SISO	20.41	30	PASS
802.11n(HT20)	2412	SISO	18.20	30	PASS
	2437	SISO	20.12	30	PASS
	2462	SISO	19.53	30	PASS
802.11n(HT40)	2422	SISO	19.36	30	PASS
	2437	SISO	19.98	30	PASS
	2452	SISO	19.90	30	PASS

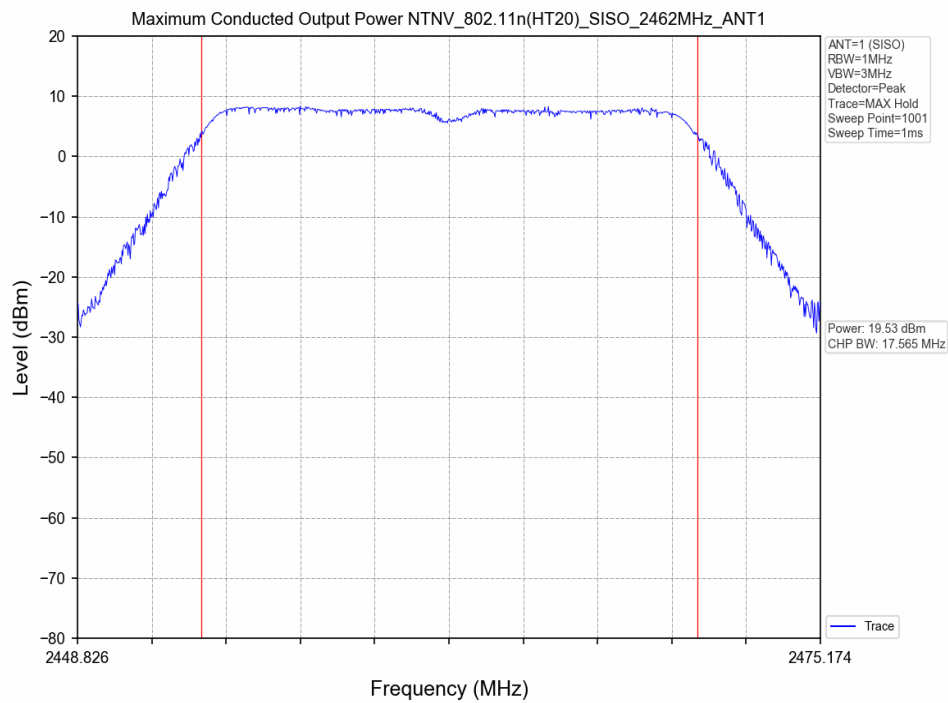
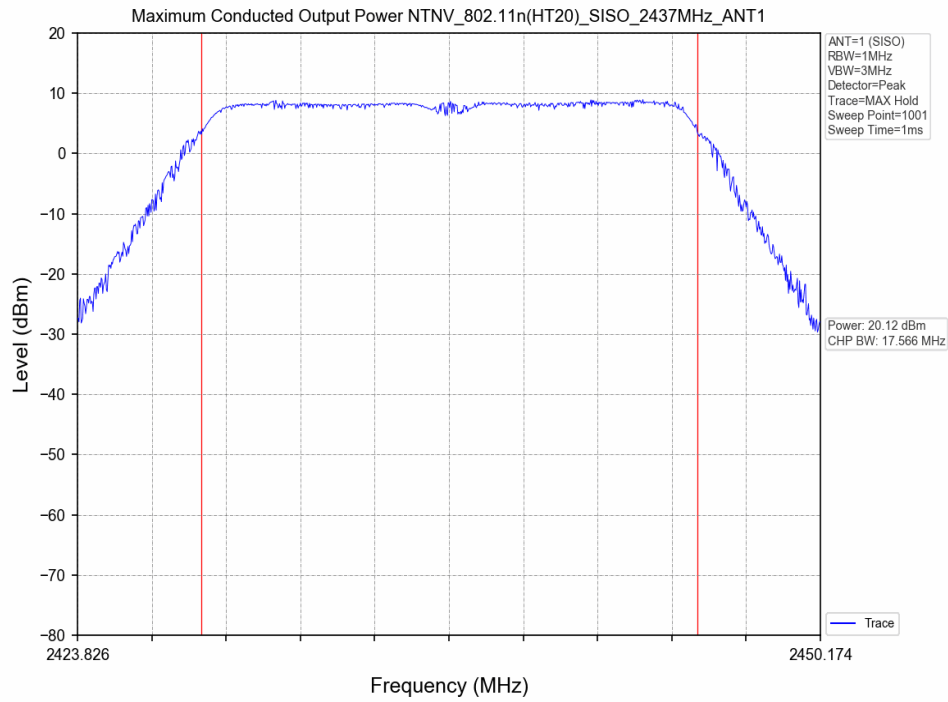
3.2 Test Graph

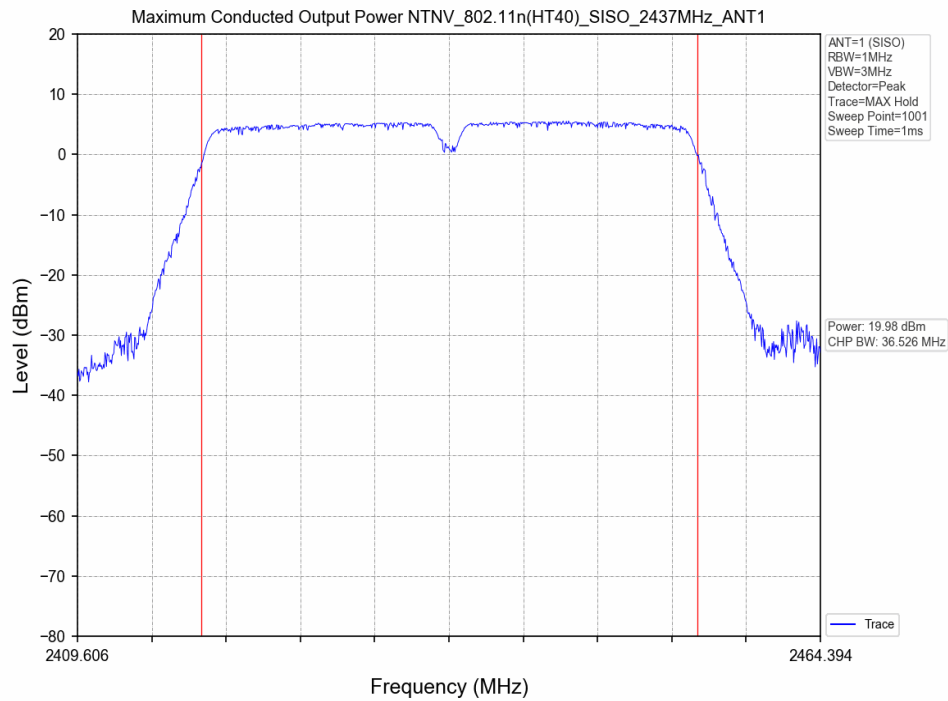
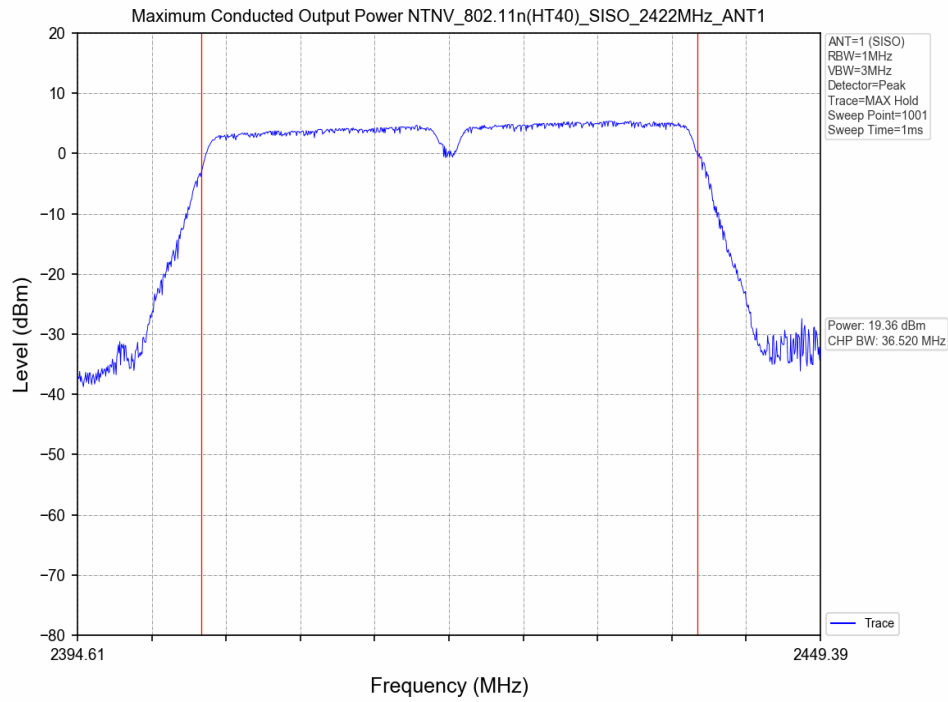


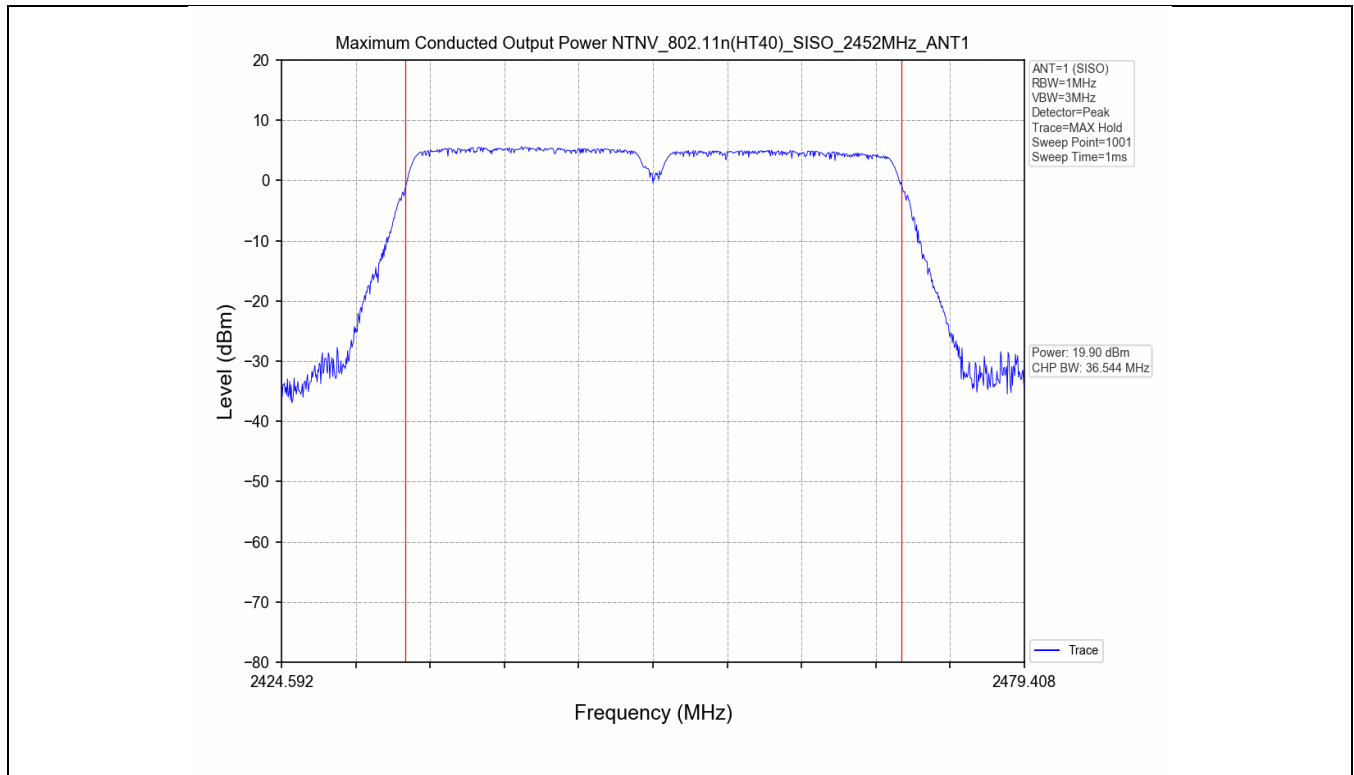










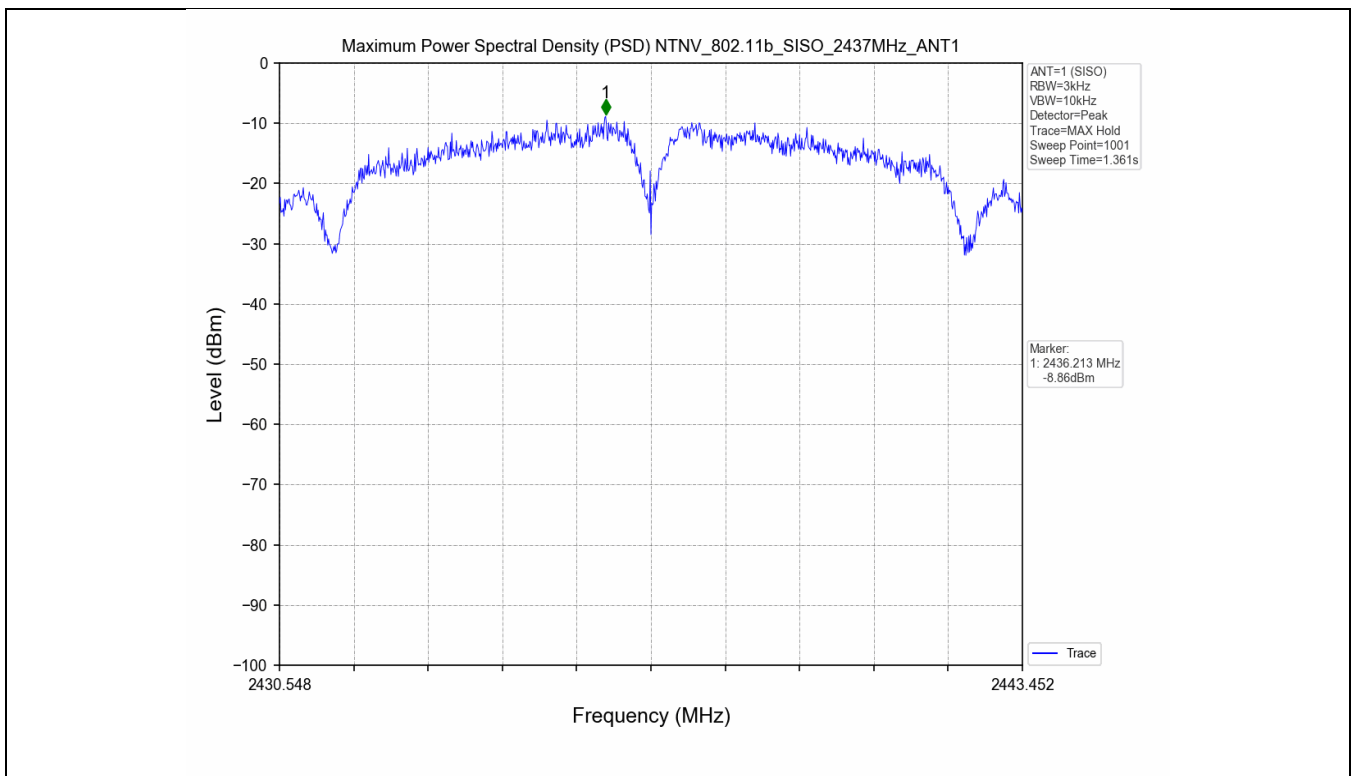
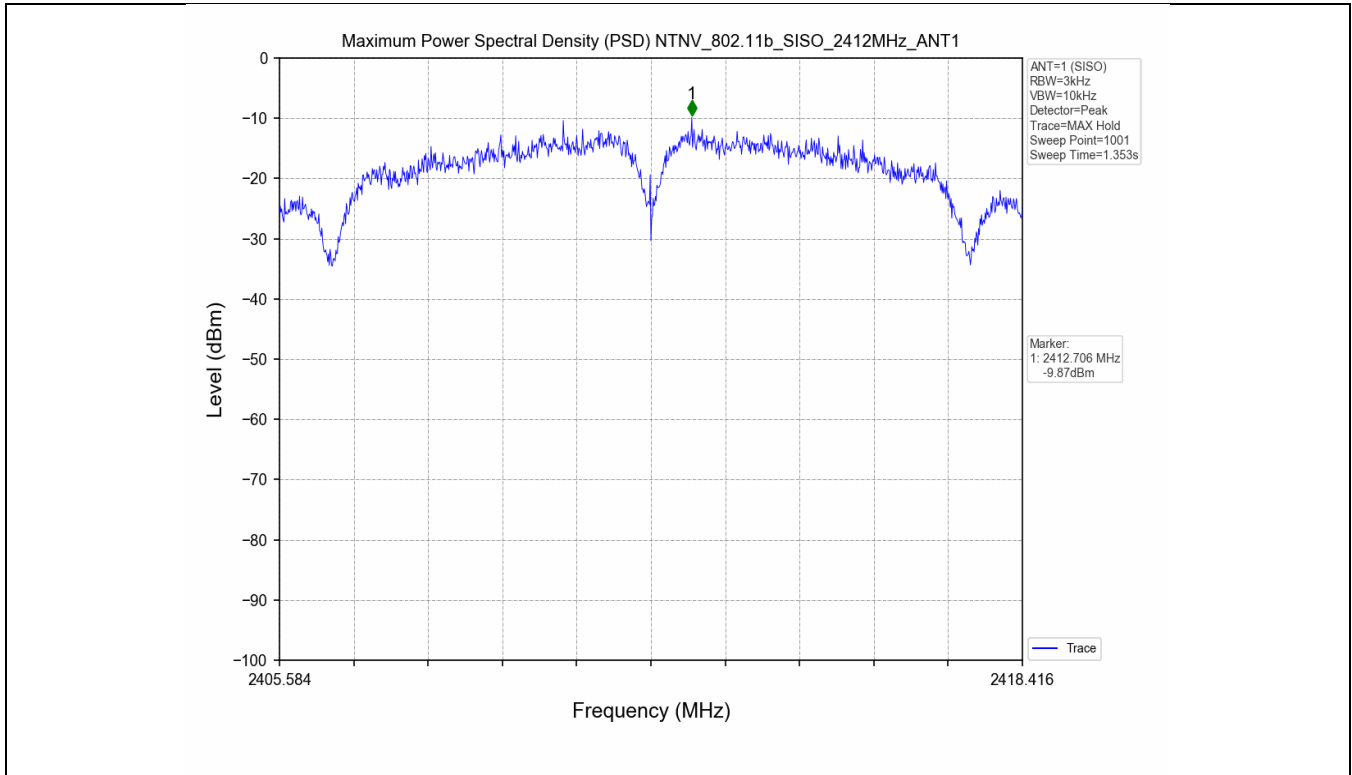


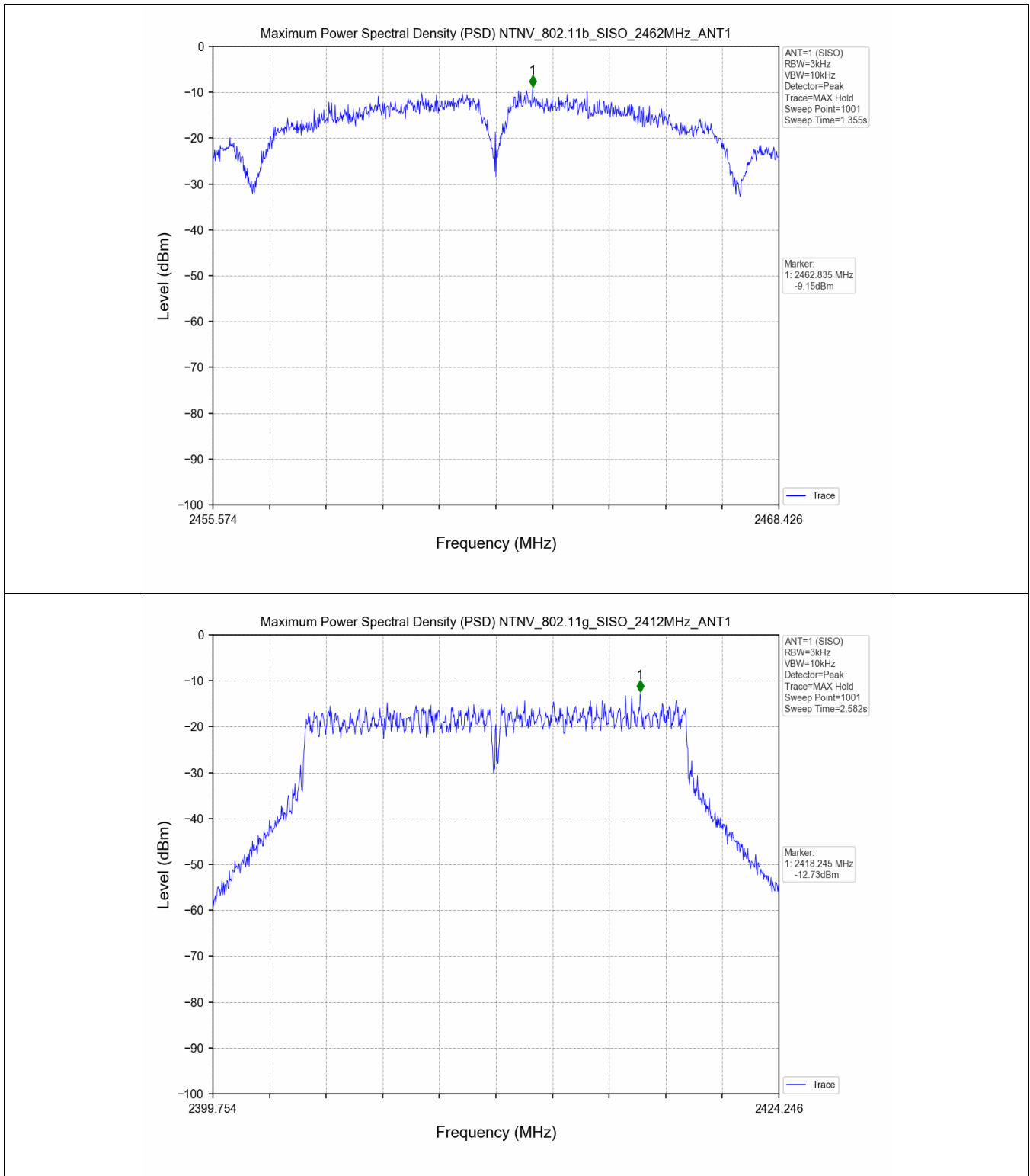
4. Maximum Power Spectral Density (PSD)

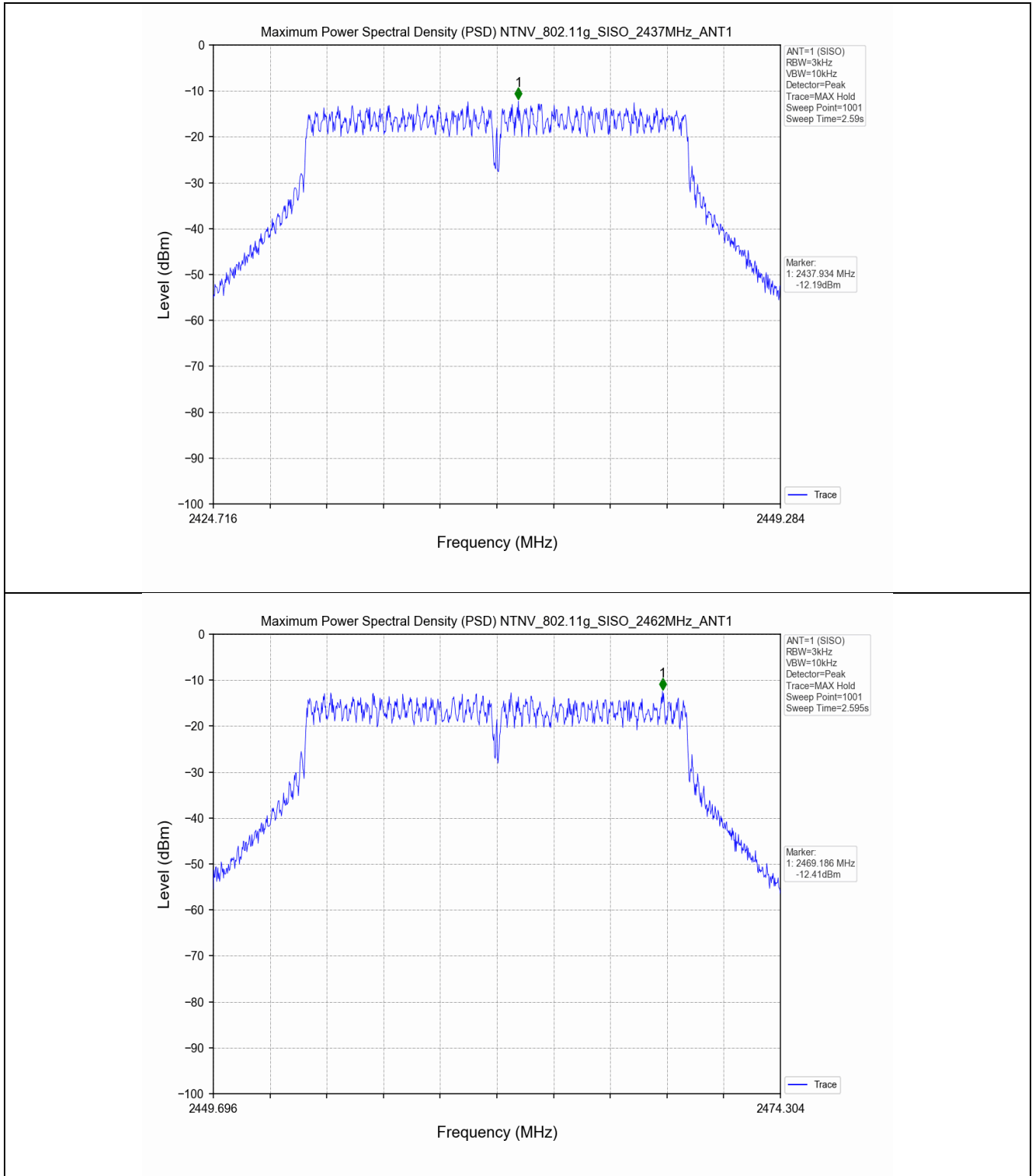
4.1 Test Result

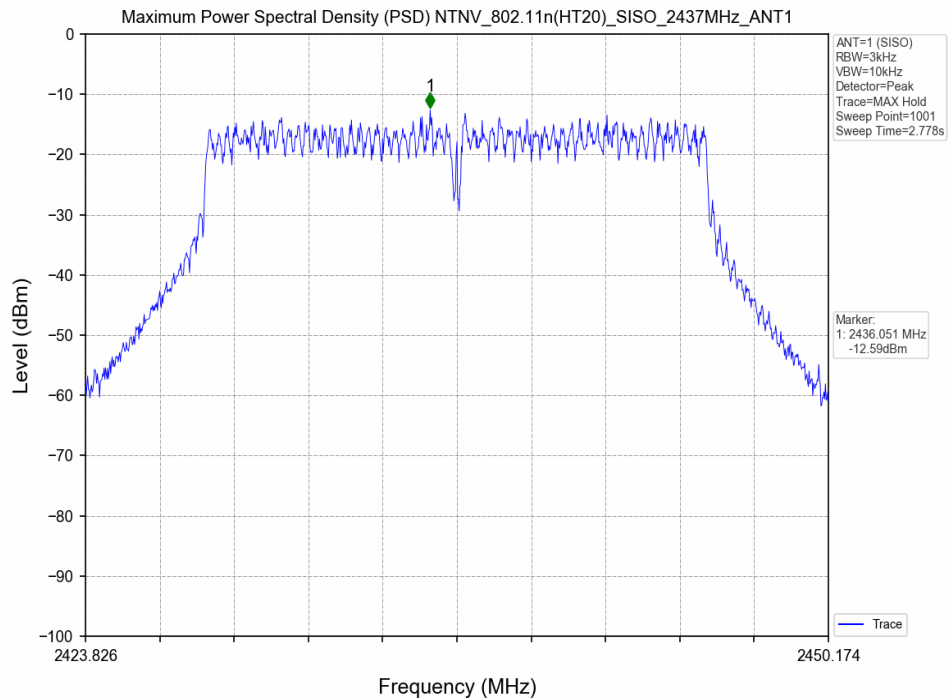
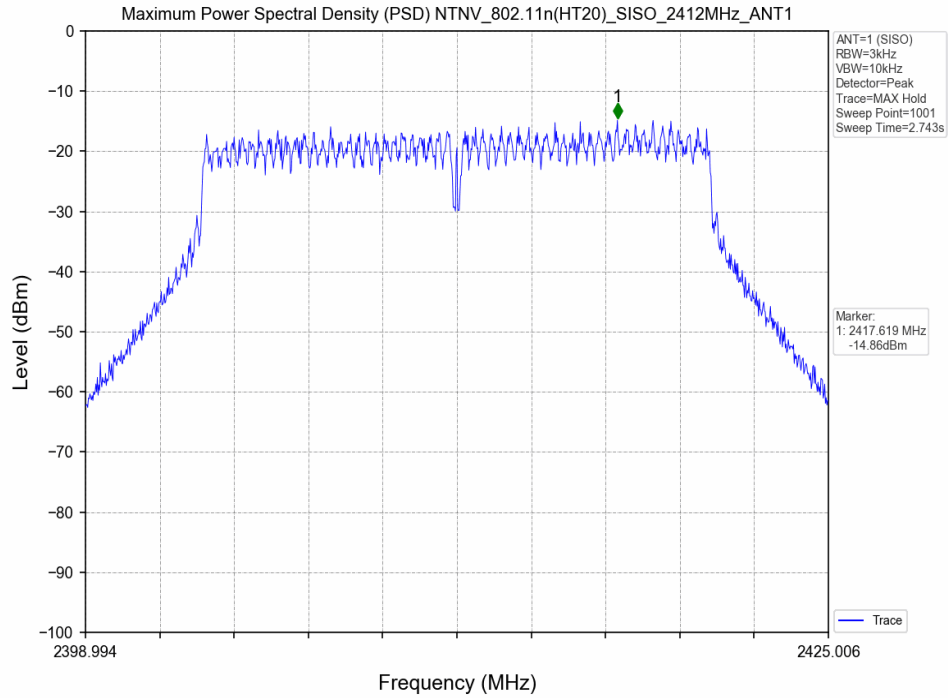
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.87	≤8	PASS
	2437	SISO	-8.86	≤8	PASS
	2462	SISO	-9.15	≤8	PASS
802.11g	2412	SISO	-12.73	≤8	PASS
	2437	SISO	-12.19	≤8	PASS
	2462	SISO	-12.41	≤8	PASS
802.11n(HT20)	2412	SISO	-14.86	≤8	PASS
	2437	SISO	-12.59	≤8	PASS
	2462	SISO	-13.27	≤8	PASS
802.11n(HT40)	2422	SISO	-16.56	≤8	PASS
	2437	SISO	-17.03	≤8	PASS
	2452	SISO	-16.41	≤8	PASS

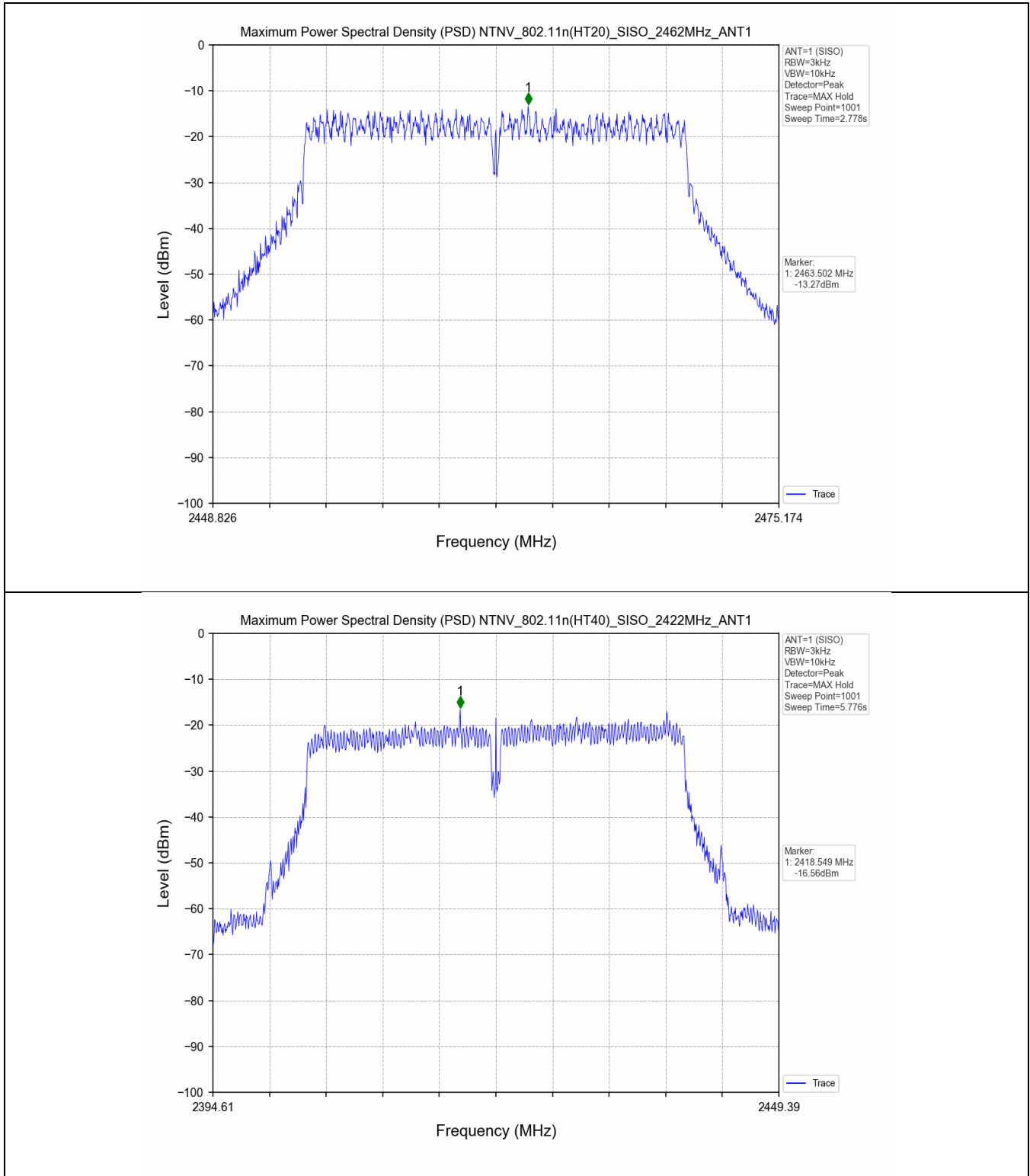
4.2 Test Graph

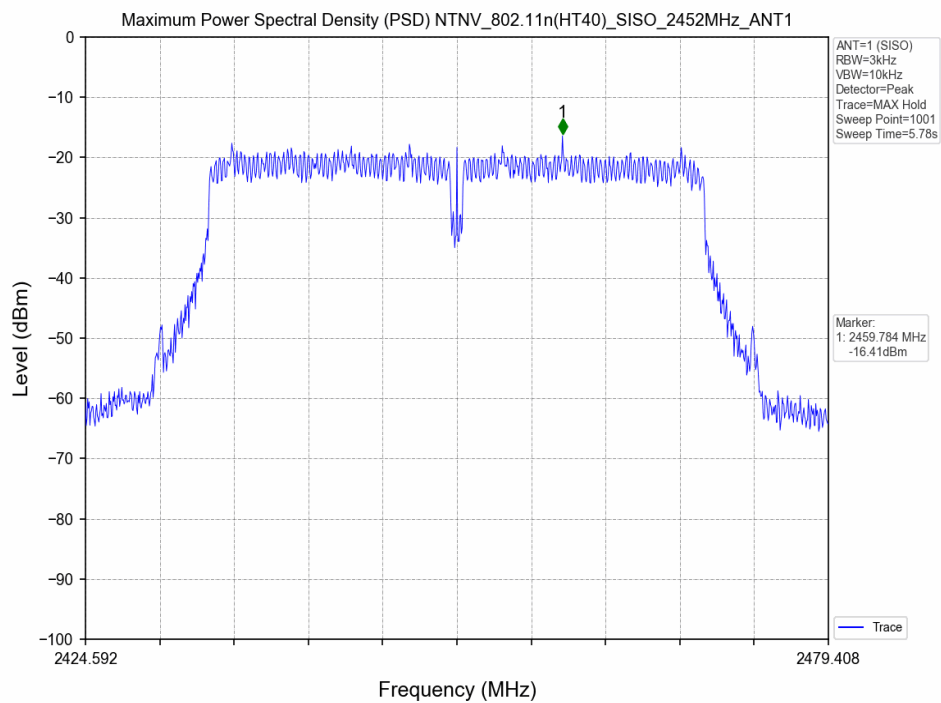
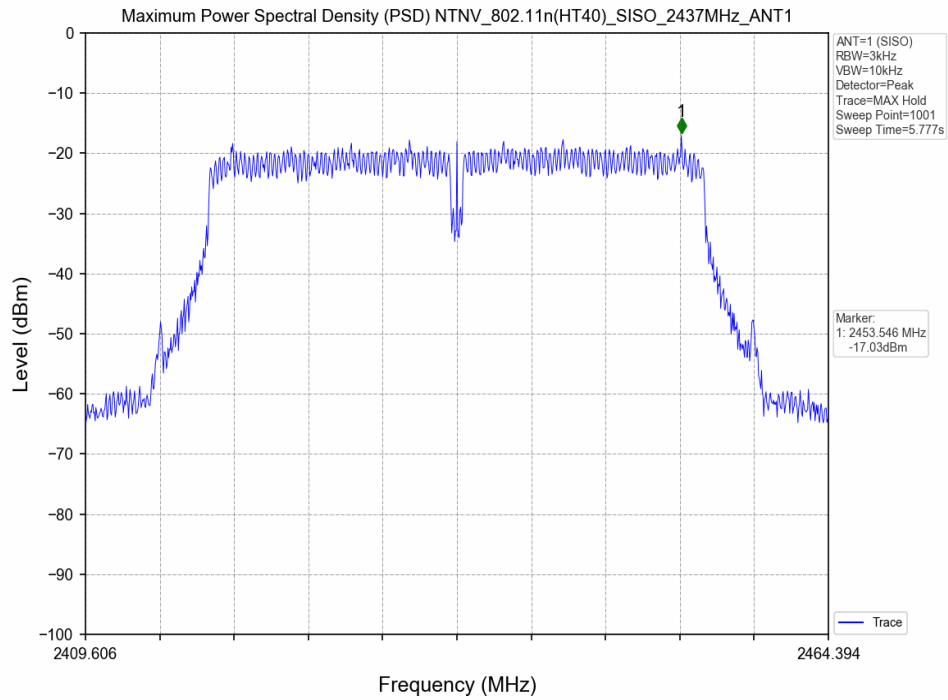












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-14.66	PASS
	2437	SISO	1	Refer to test graph	-14.66	PASS
	2462	SISO	1	Refer to test graph	-14.66	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.67	PASS
	2437	SISO	1	Refer to test graph	-17.67	PASS
	2462	SISO	1	Refer to test graph	-17.67	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.49	PASS
	2437	SISO	1	Refer to test graph	-18.49	PASS
	2462	SISO	1	Refer to test graph	-18.49	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-24.97	PASS
	2437	SISO	1	Refer to test graph	-24.97	PASS
	2452	SISO	1	Refer to test graph	-24.97	PASS

5.2 Test Graph

