

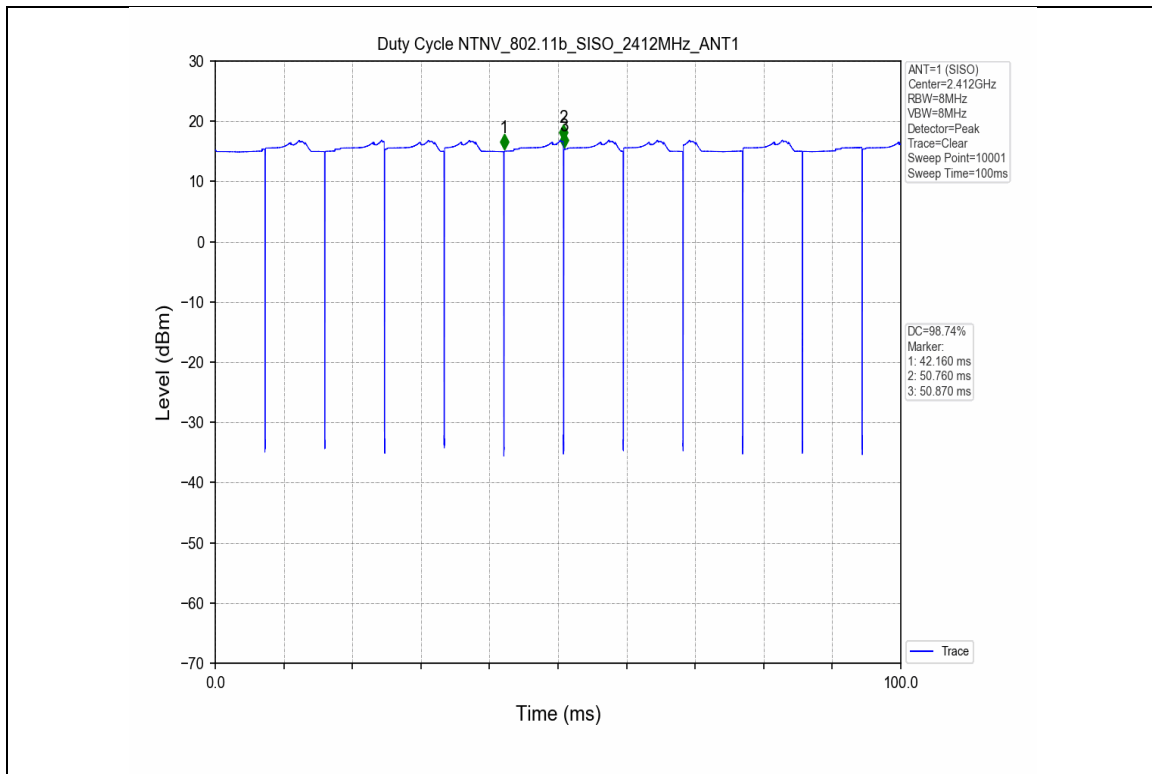
Appendix A for SHEM210200158001

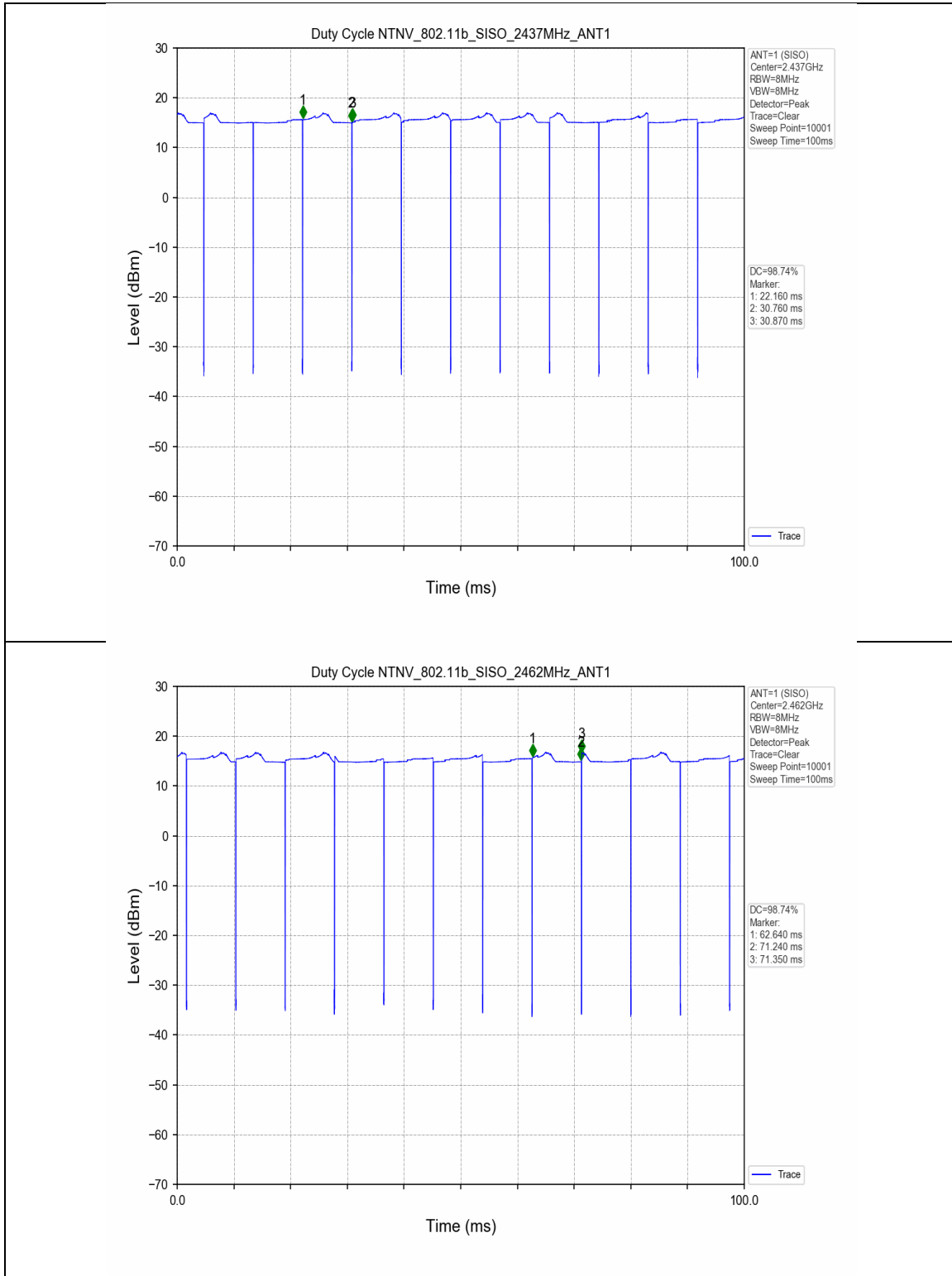
1. Duty Cycle

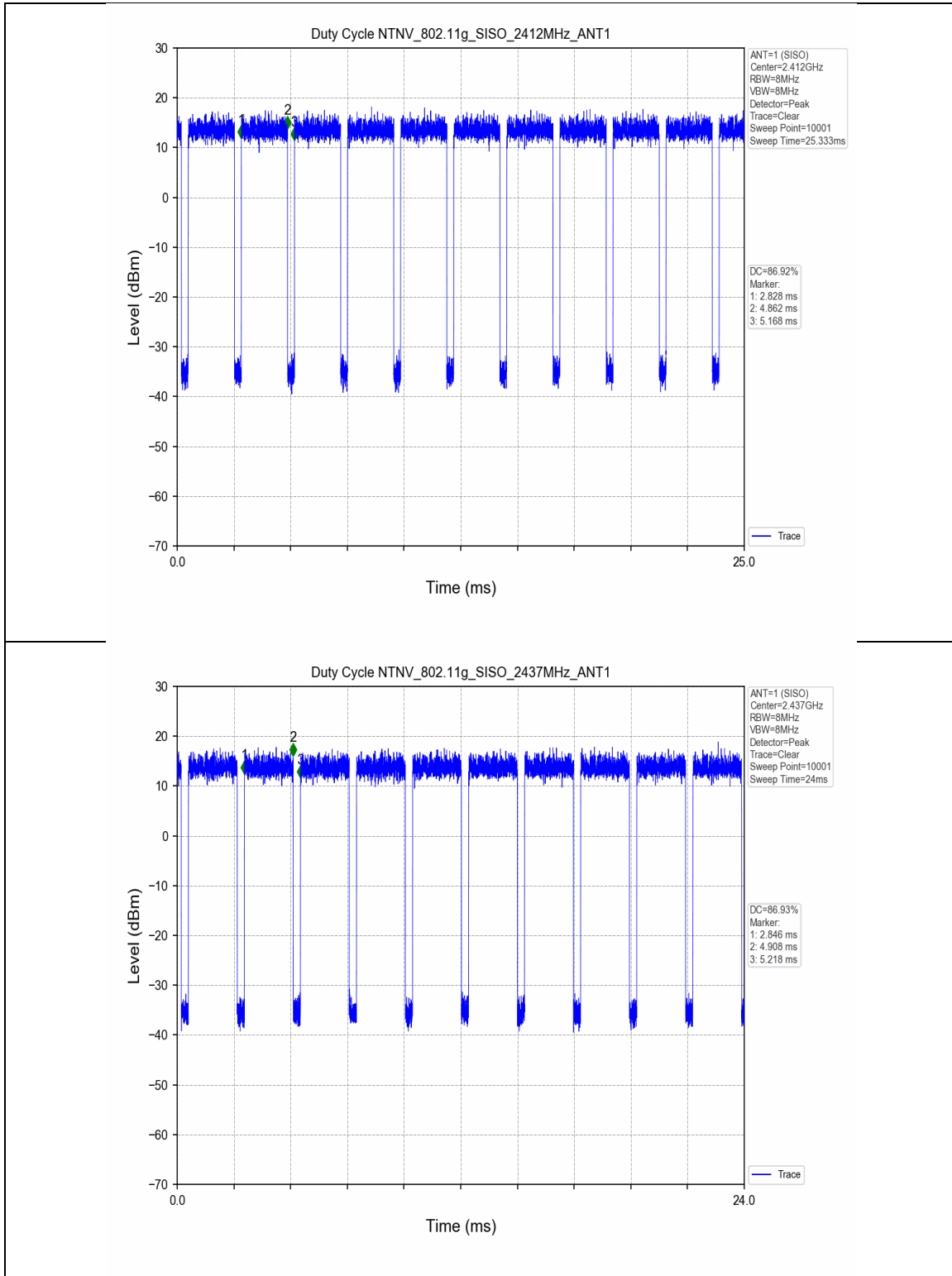
1.1 Test Result

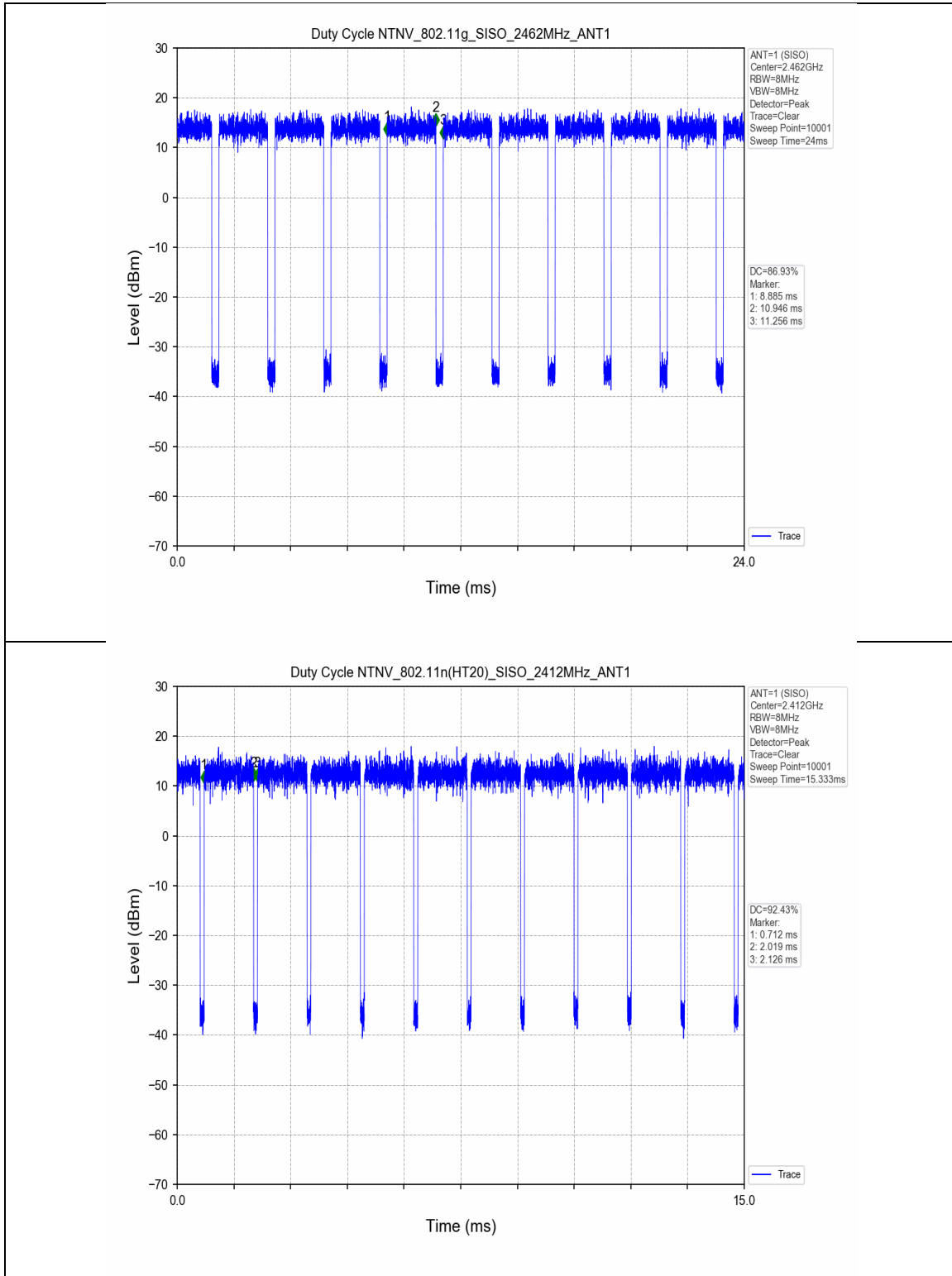
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.600	8.710	98.74	0.06
	2437	SISO	1	8.600	8.710	98.74	0.06
	2462	SISO	1	8.600	8.710	98.74	0.06
802.11g	2412	SISO	1	2.034	2.340	86.92	0.61
	2437	SISO	1	2.062	2.372	86.93	0.61
	2462	SISO	1	2.061	2.371	86.93	0.61
802.11n(HT20)	2412	SISO	1	1.307	1.414	92.43	0.34
	2437	SISO	1	1.307	1.414	92.43	0.34
	2462	SISO	1	1.306	1.412	92.49	0.34

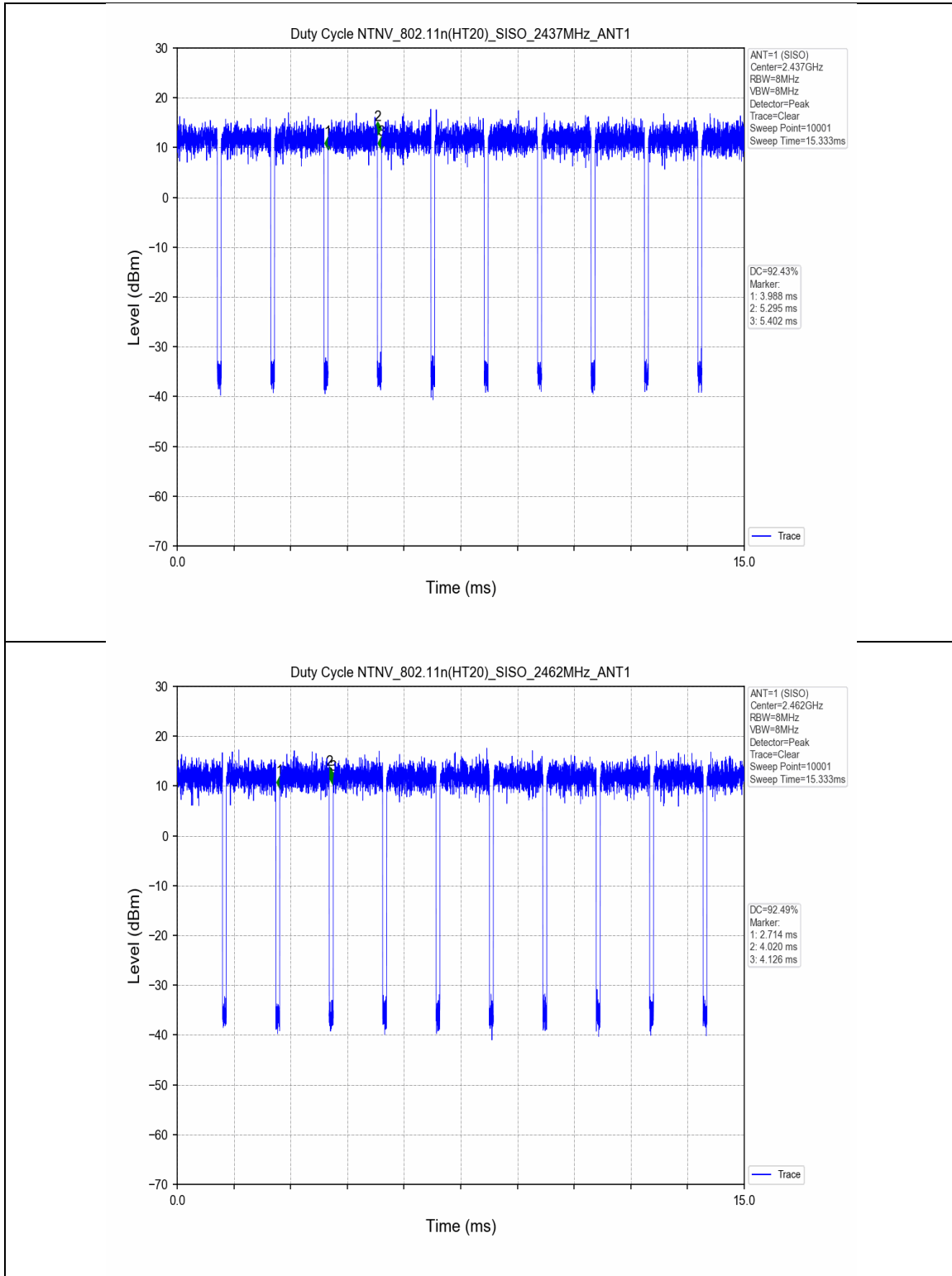
1.2 Test Graph











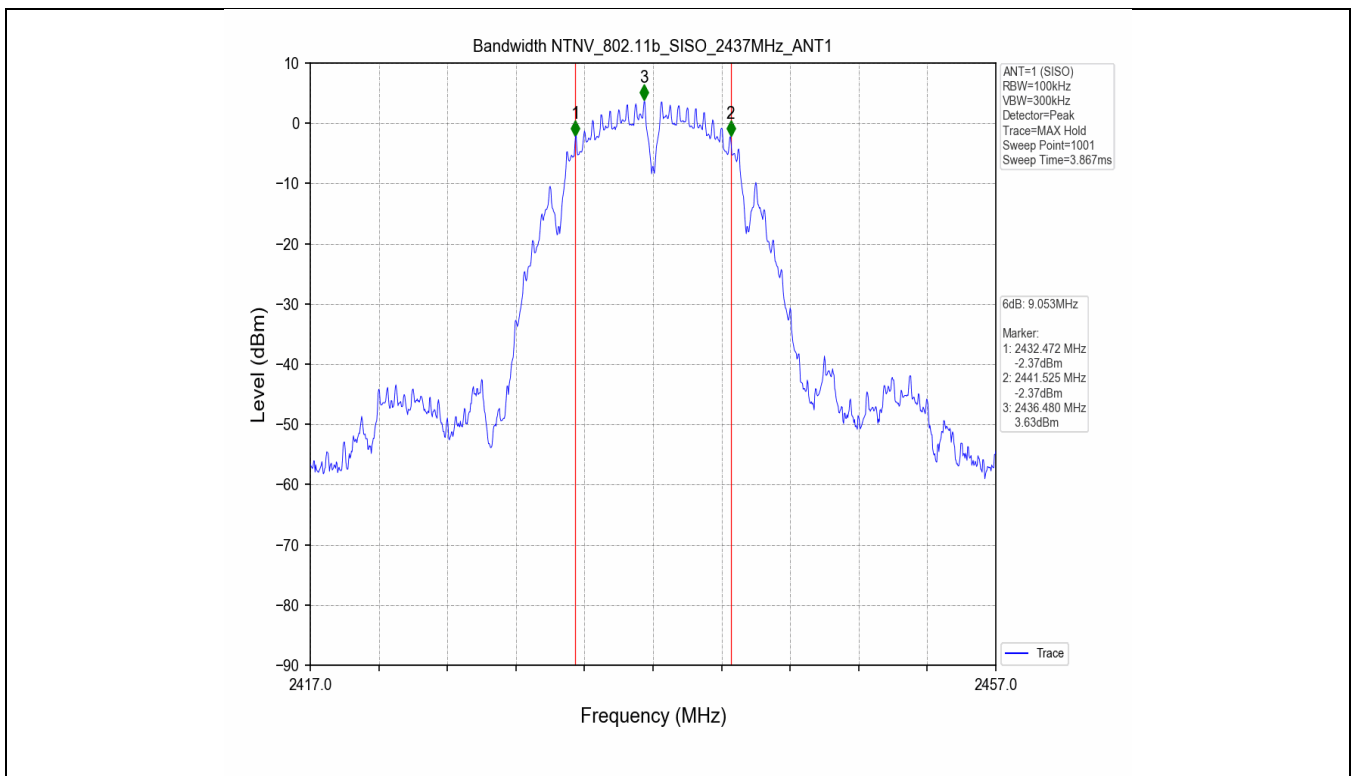
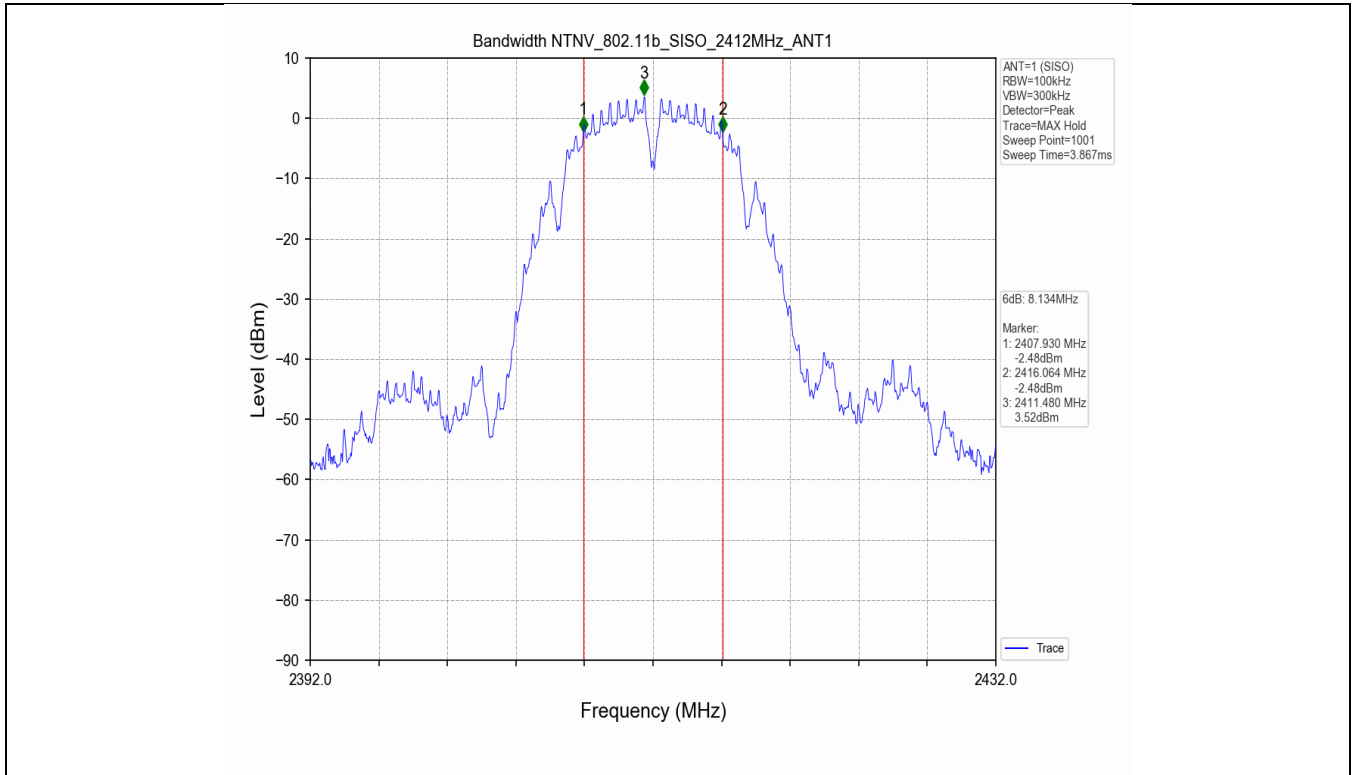
2. Bandwidth

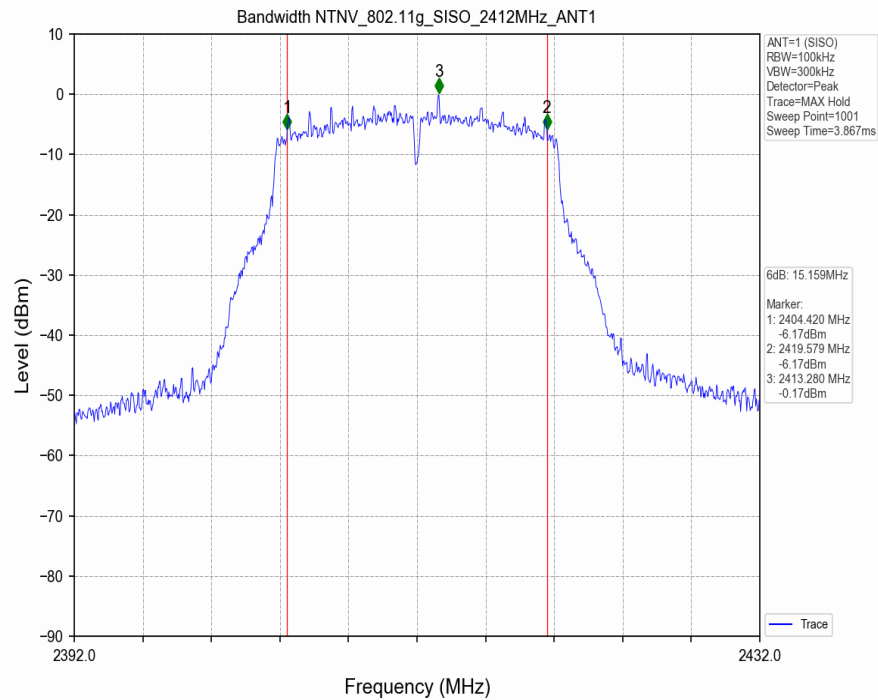
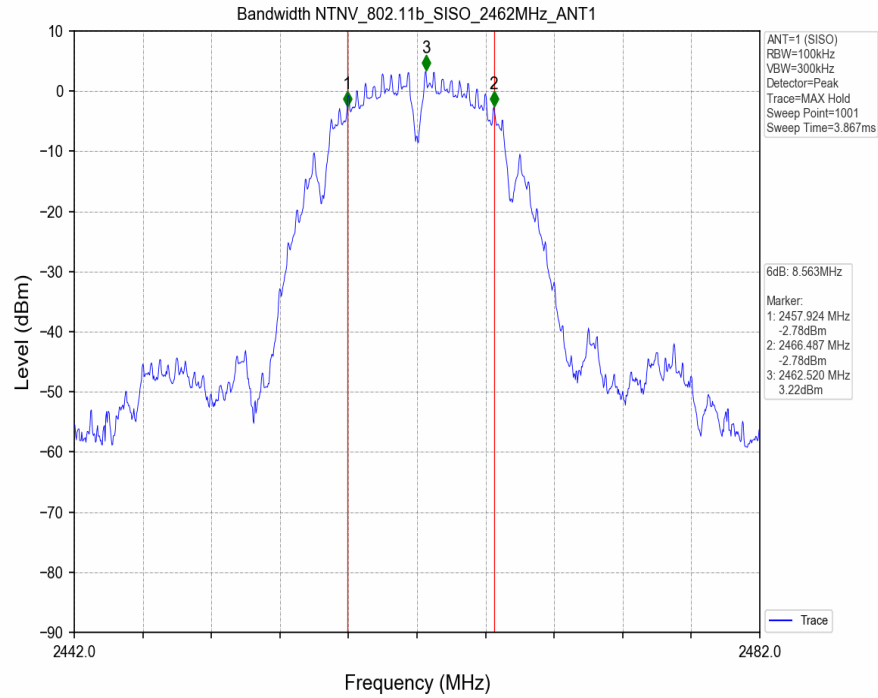
2.1 Test Result

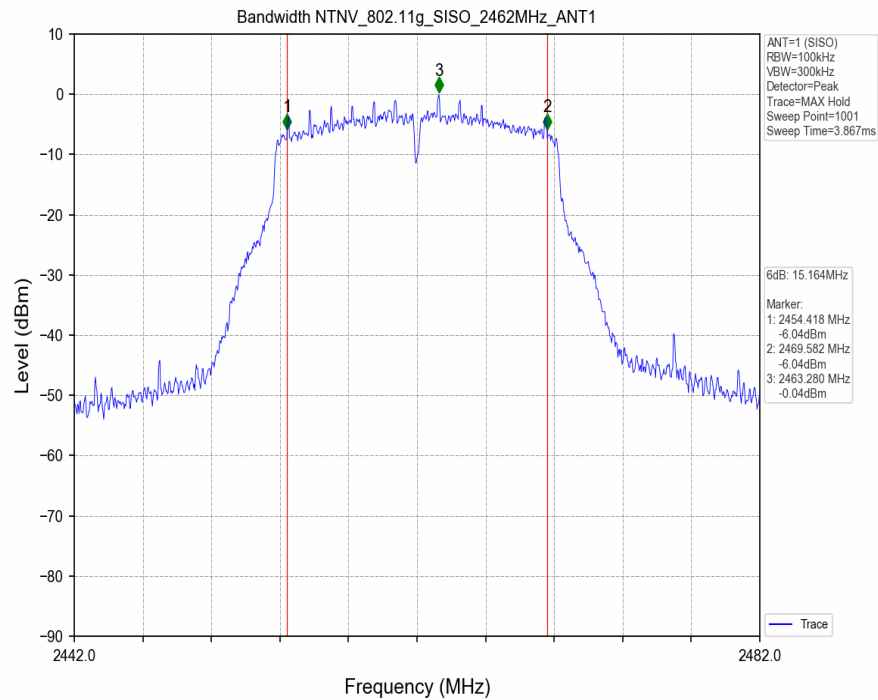
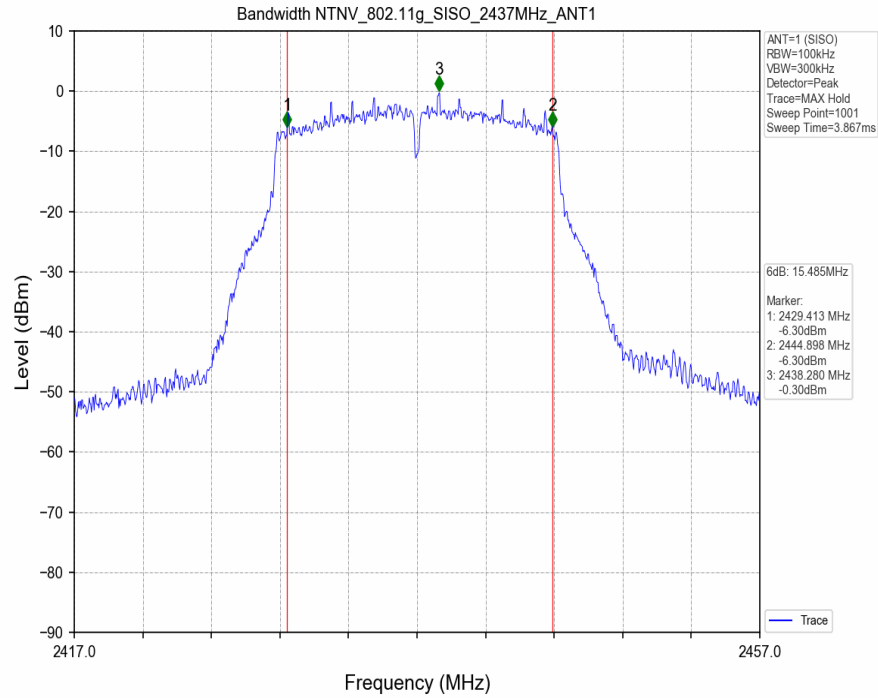
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	8.134	PASS
	2437	SISO	1	9.053	PASS
	2462	SISO	1	8.563	PASS
802.11g	2412	SISO	1	15.159	PASS
	2437	SISO	1	15.485	PASS
	2462	SISO	1	15.164	PASS
802.11n(HT20)	2412	SISO	1	16.052	PASS
	2437	SISO	1	15.465	PASS
	2462	SISO	1	15.120	PASS

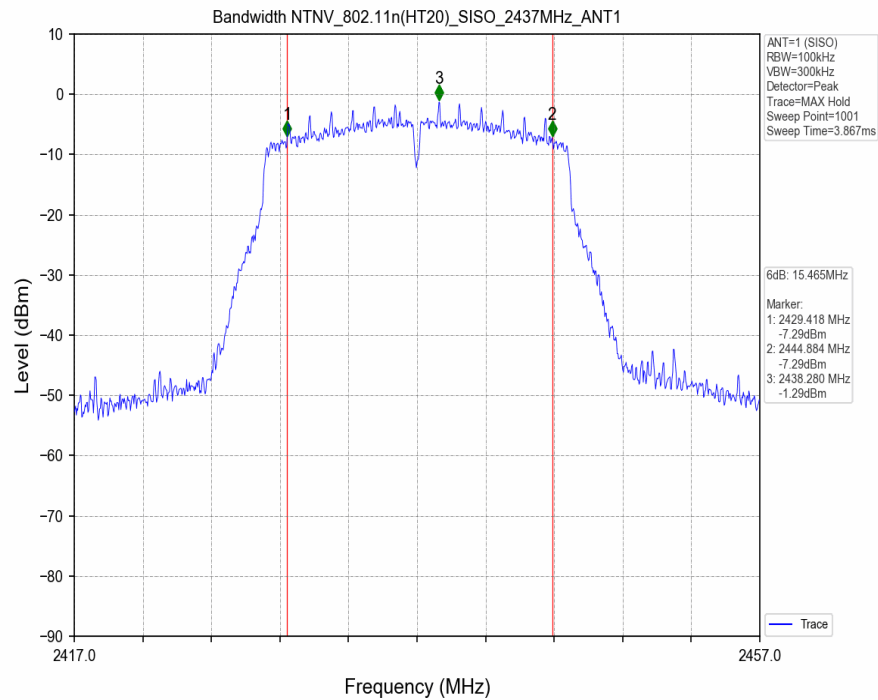
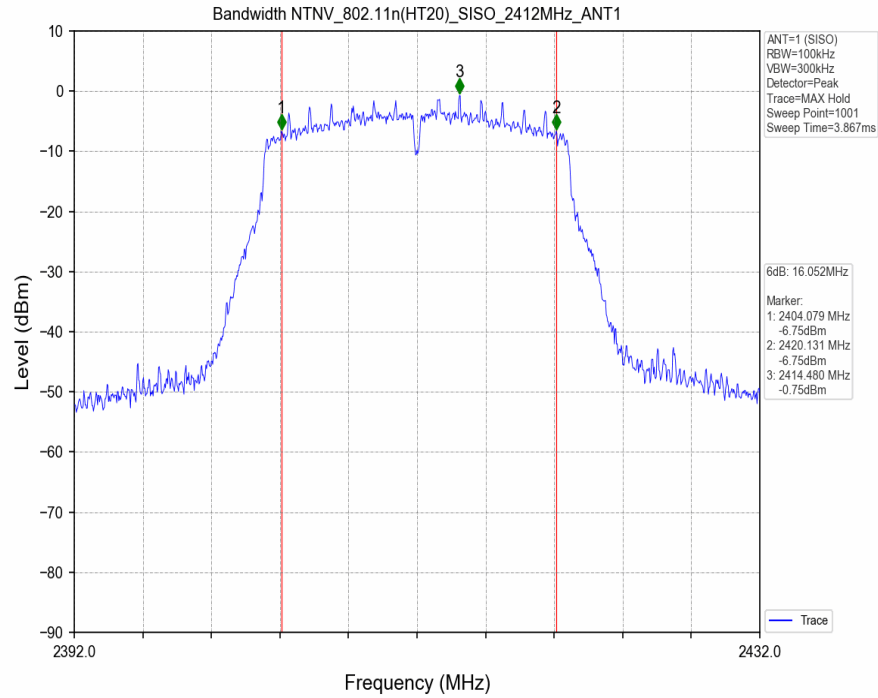
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.607	Only for Report Use
	2437	SISO	1	11.553	Only for Report Use
	2462	SISO	1	11.550	Only for Report Use
802.11g	2412	SISO	1	16.575	Only for Report Use
	2437	SISO	1	16.586	Only for Report Use
	2462	SISO	1	16.595	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.685	Only for Report Use
	2437	SISO	1	17.727	Only for Report Use
	2462	SISO	1	17.692	Only for Report Use

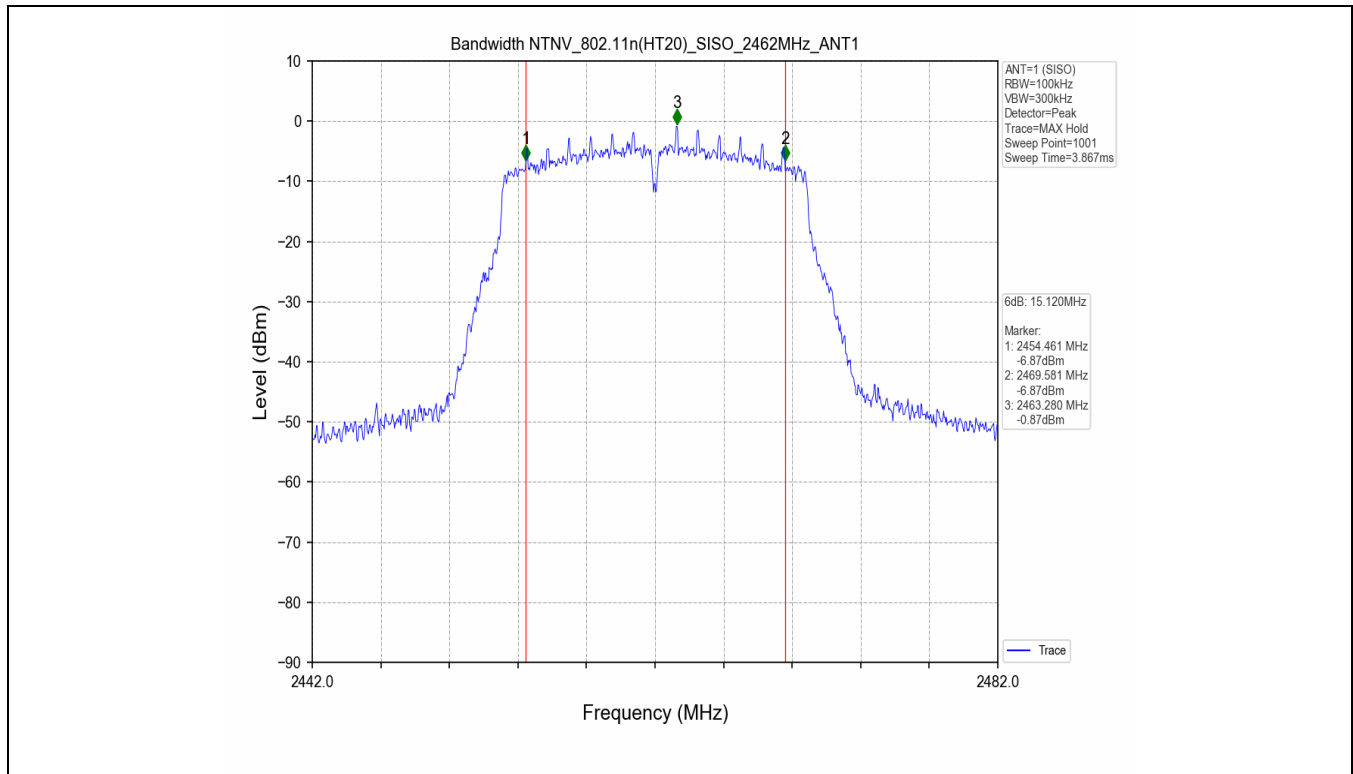
2.2 Test Graph - 6dB Bandwidth



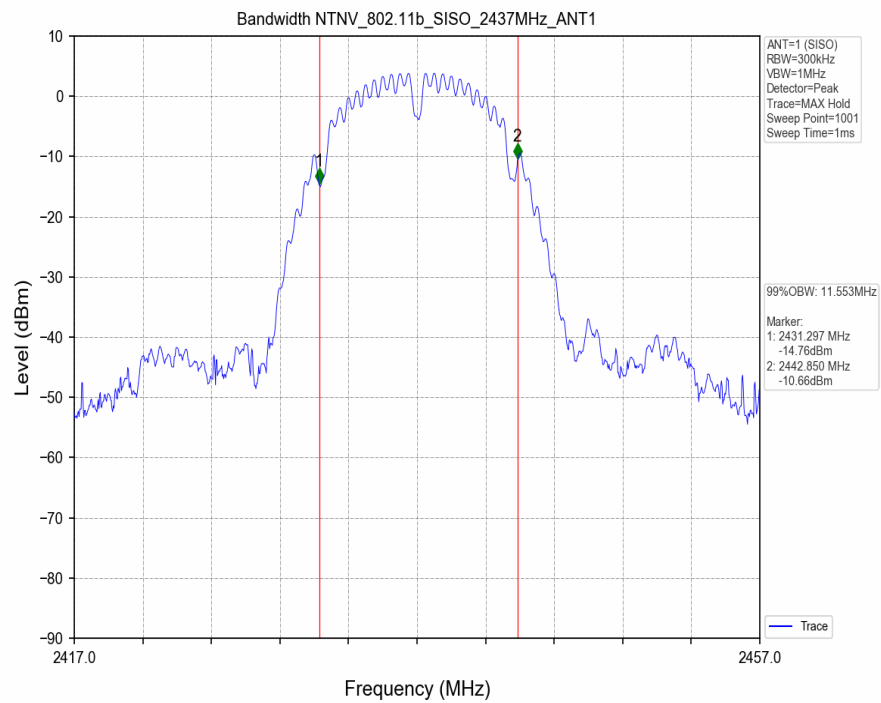
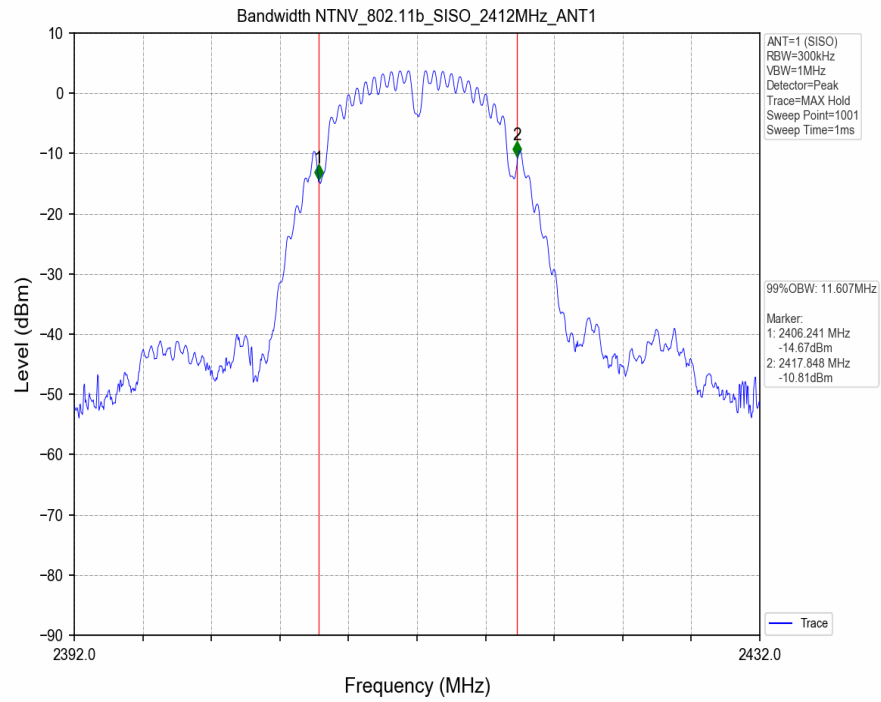


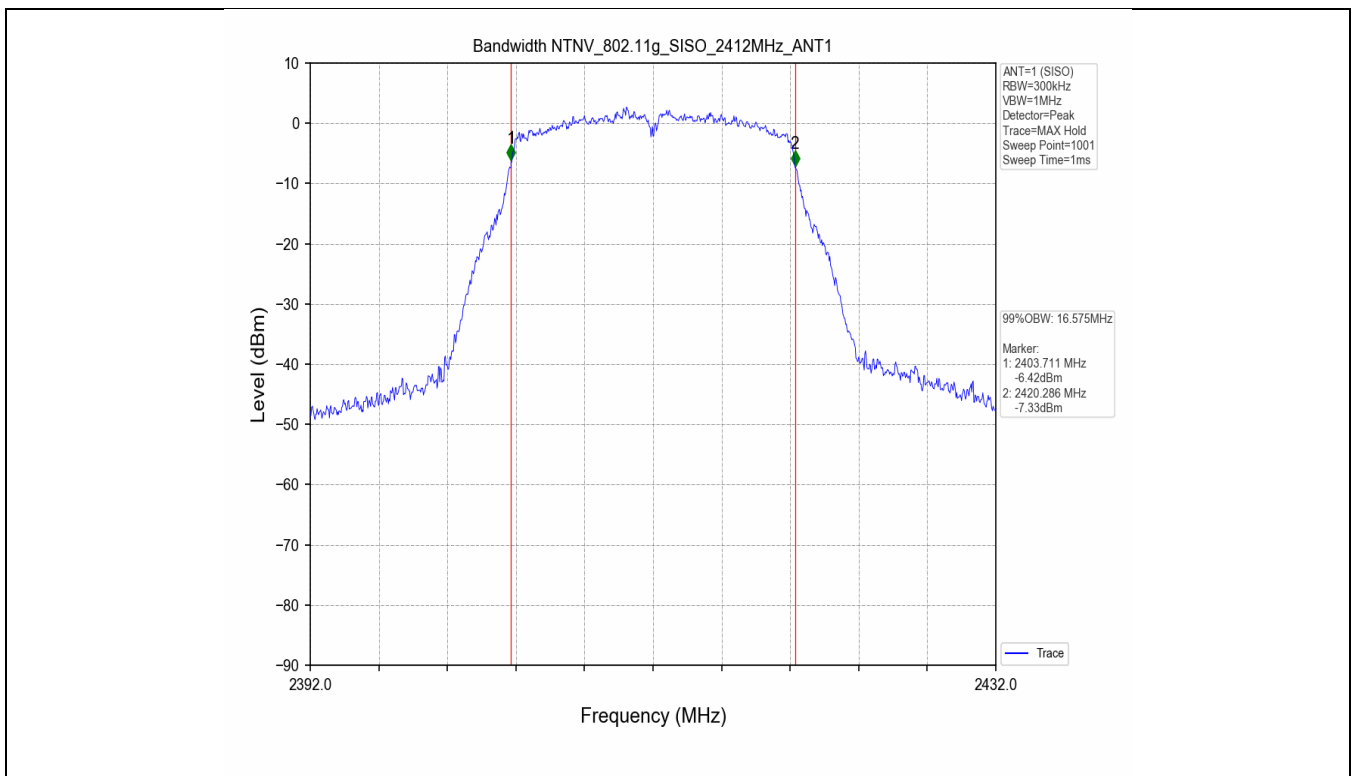
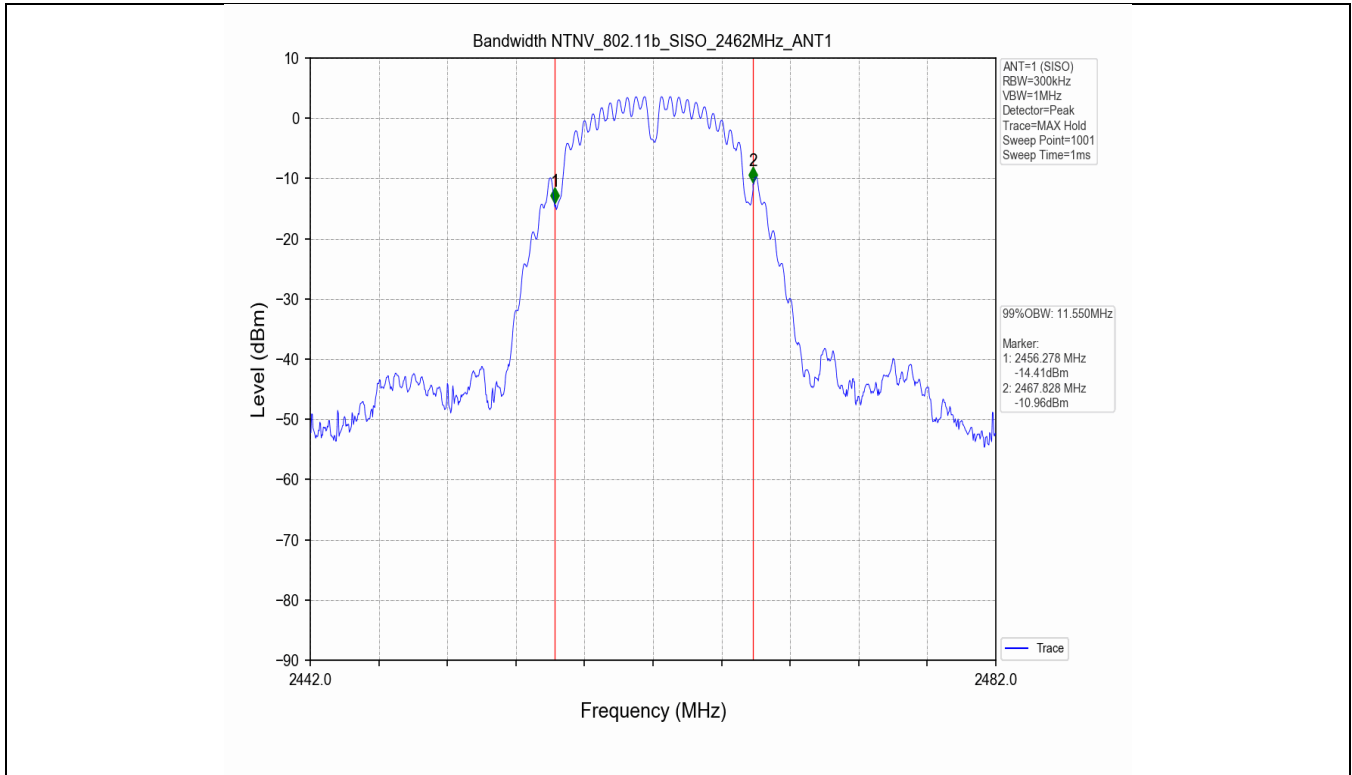


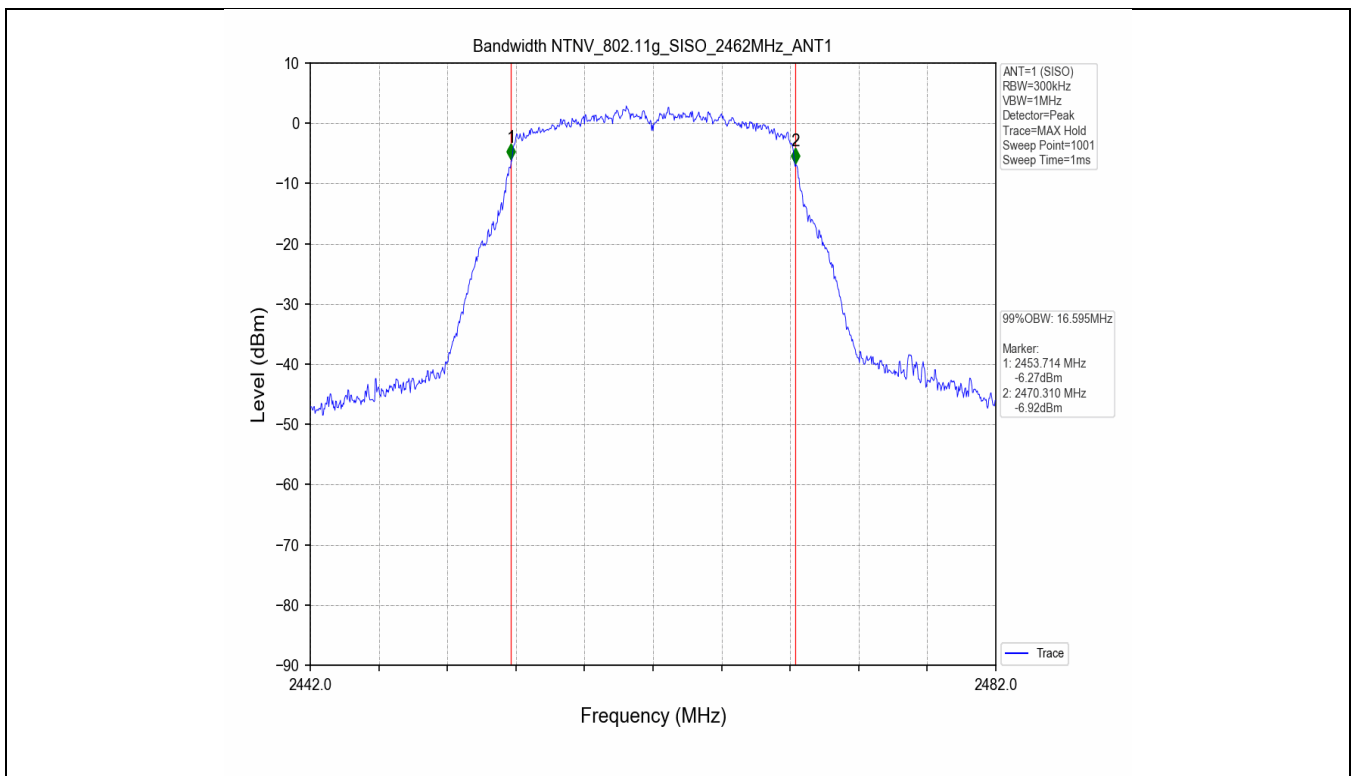
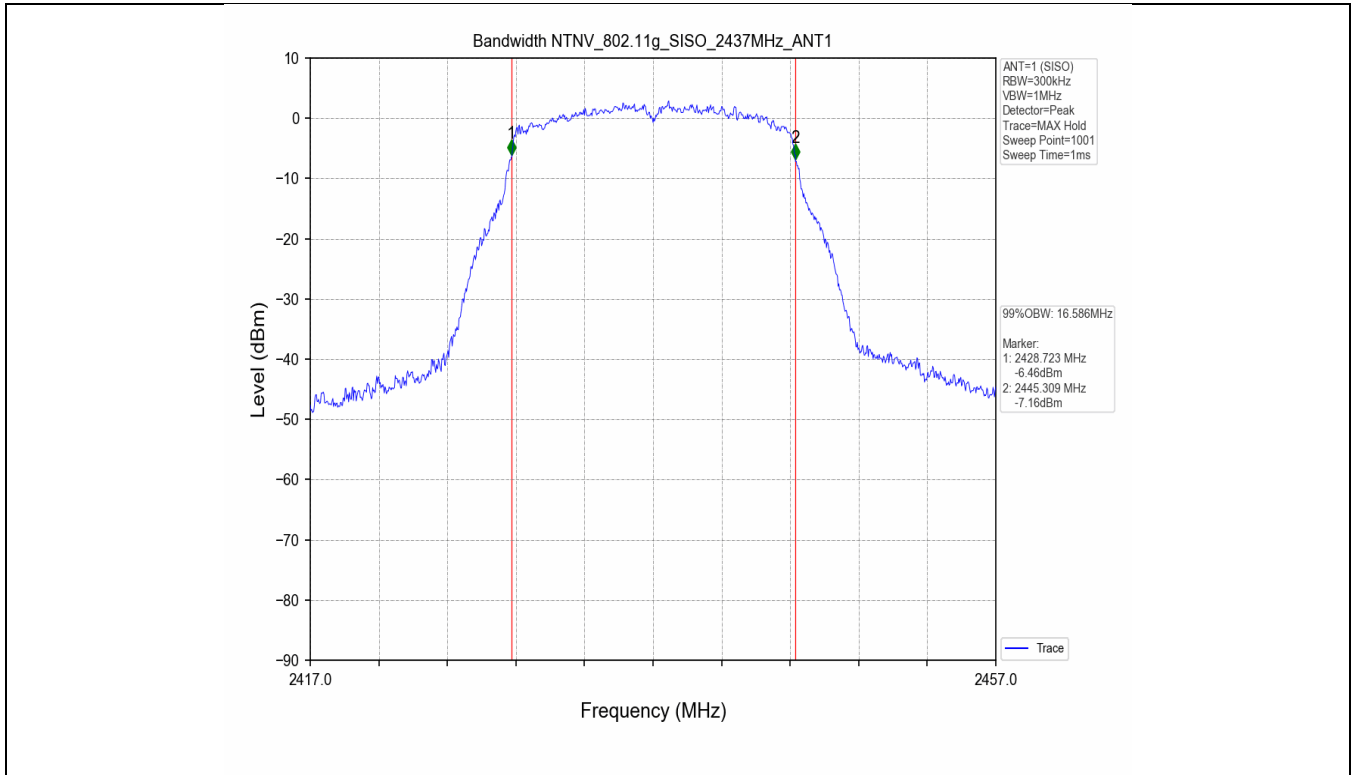


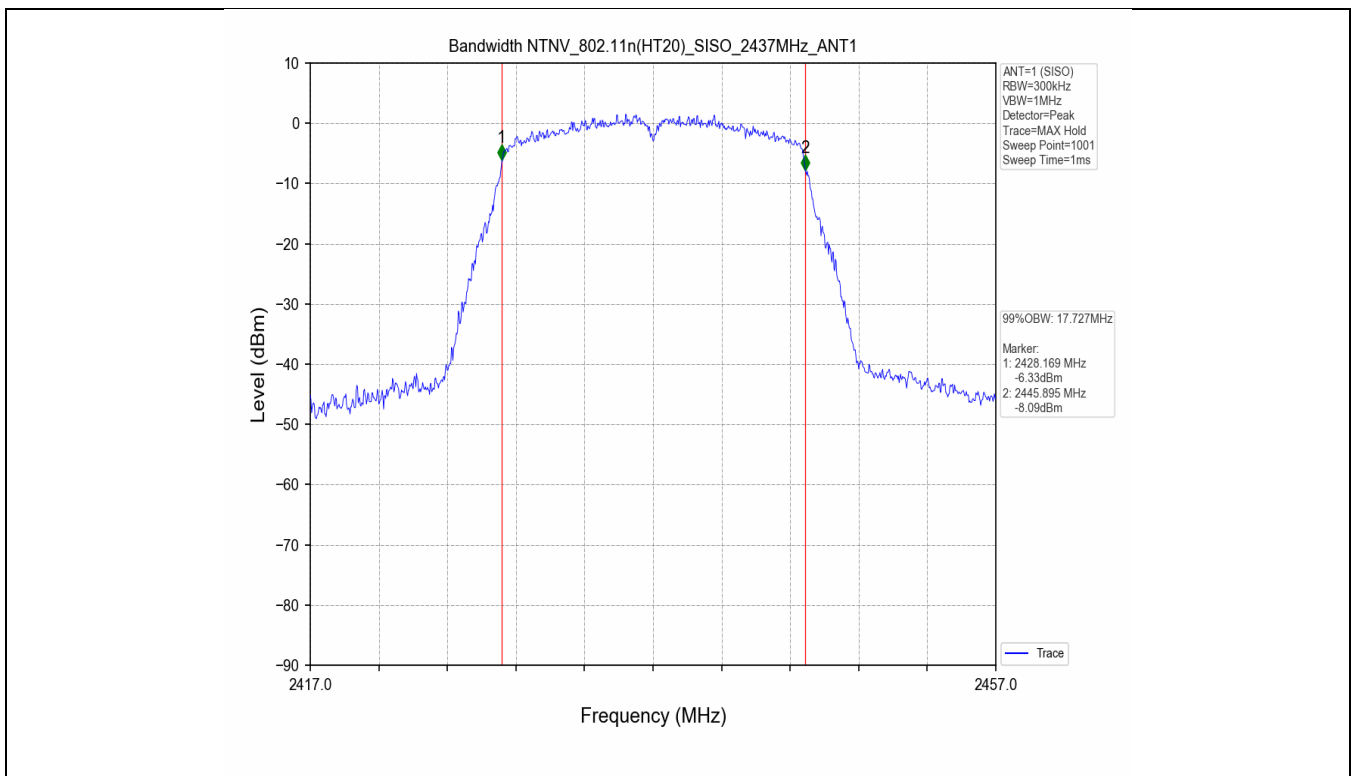
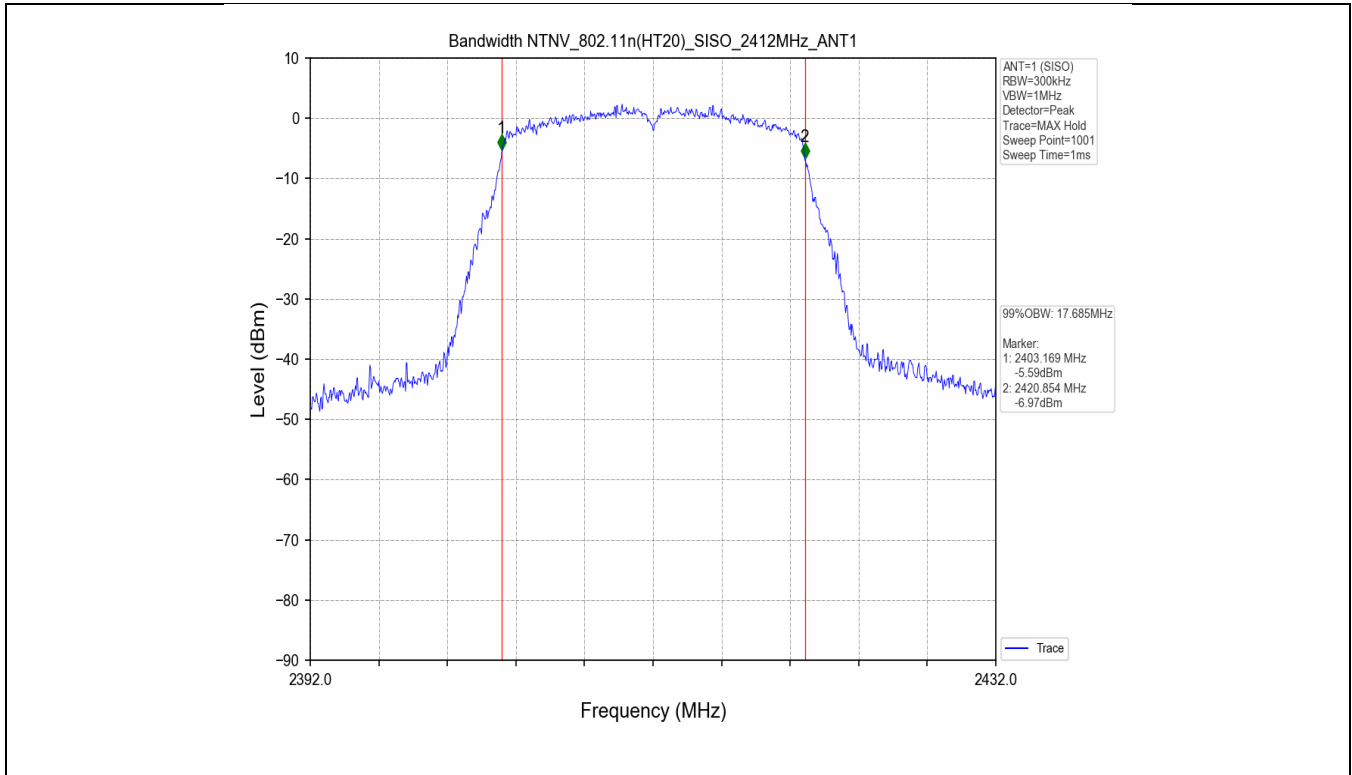


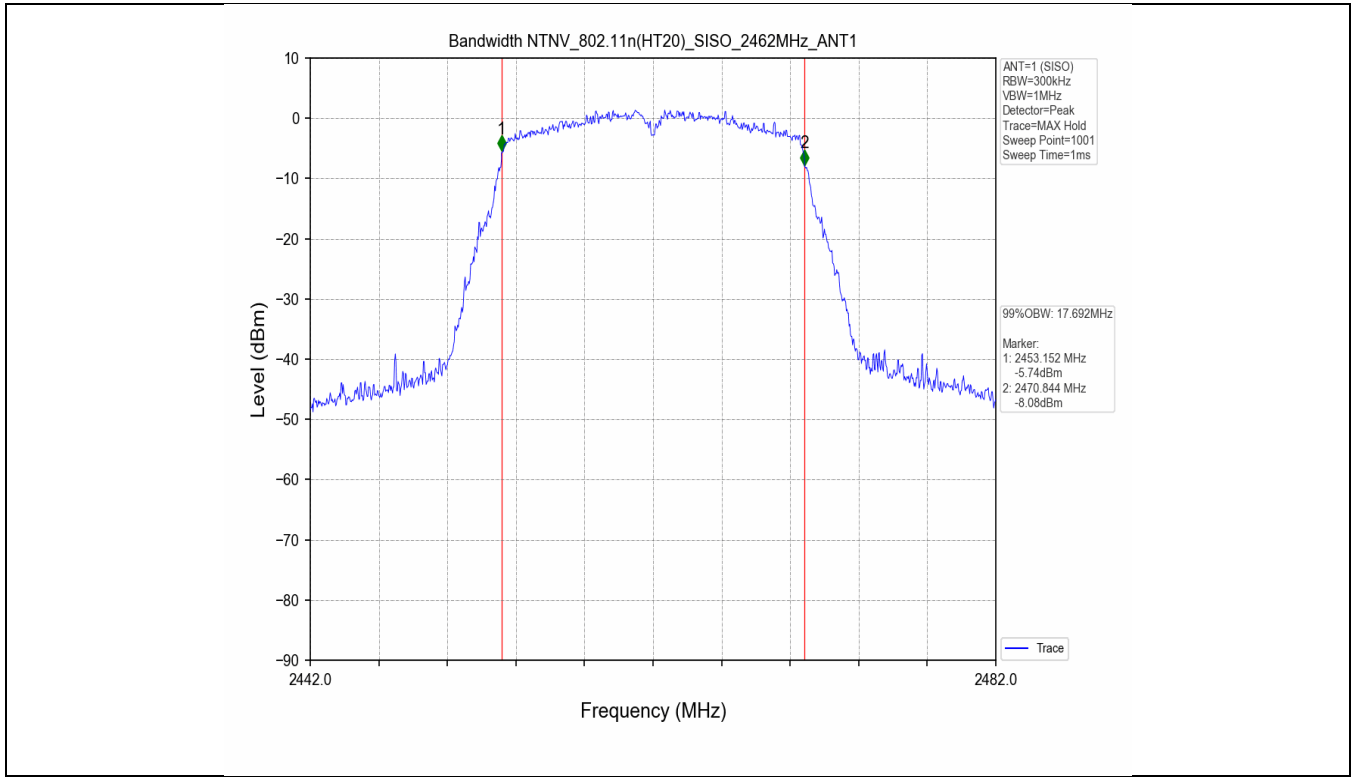
2.3 Test Graph - 99% Occupied Bandwidth









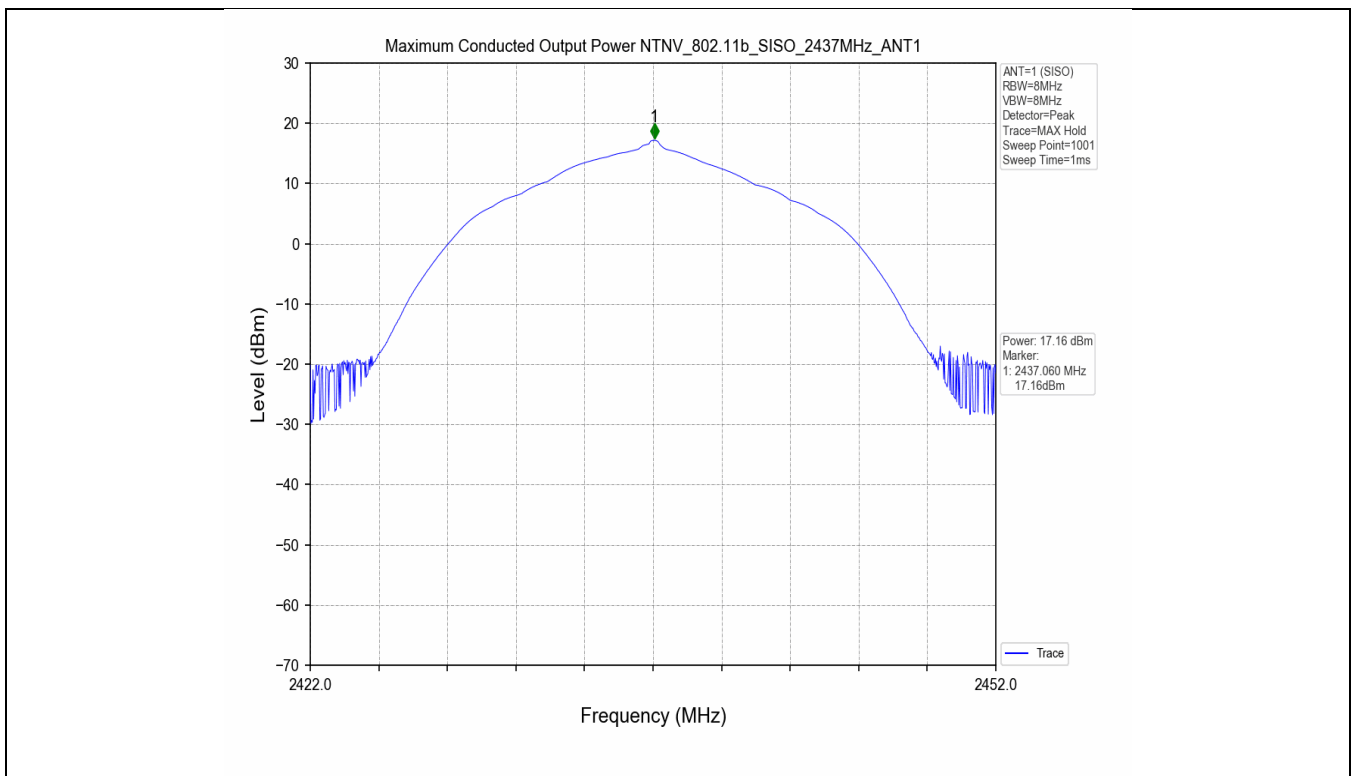
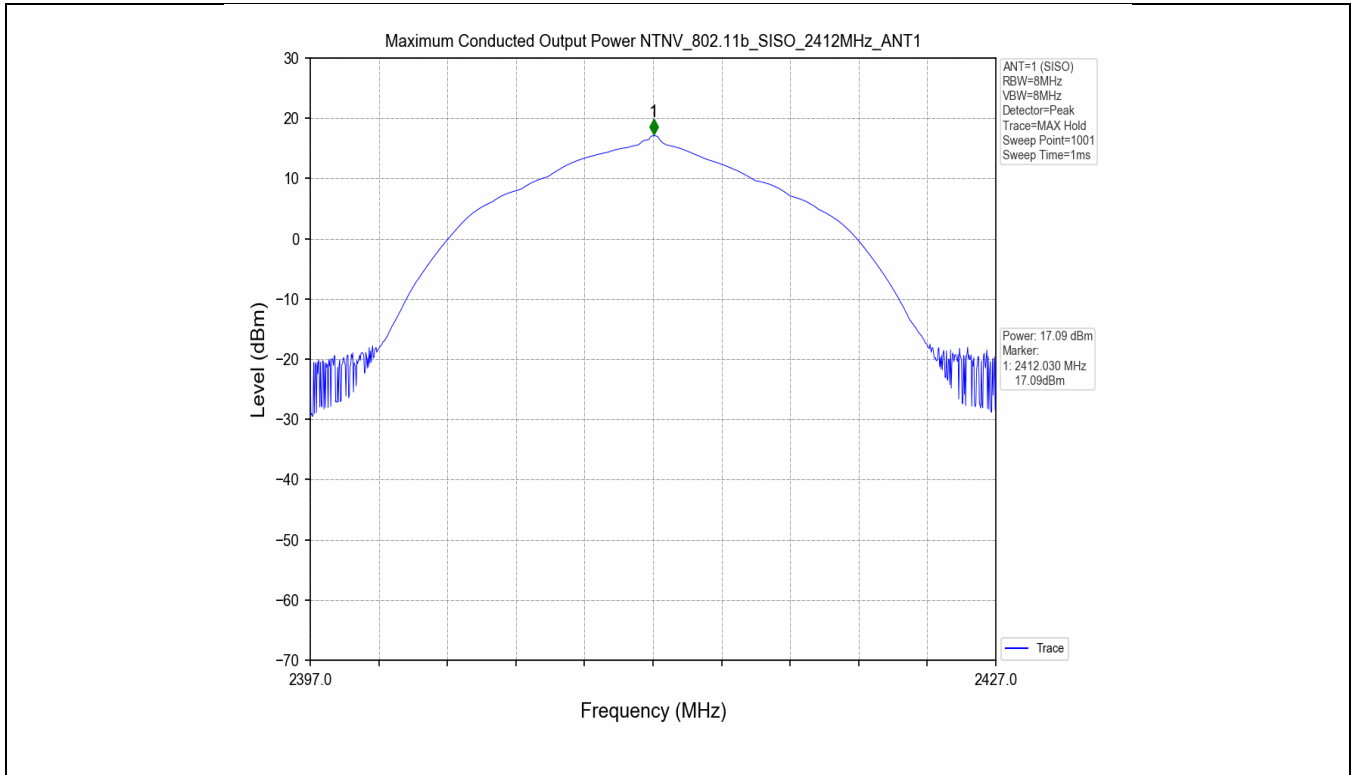


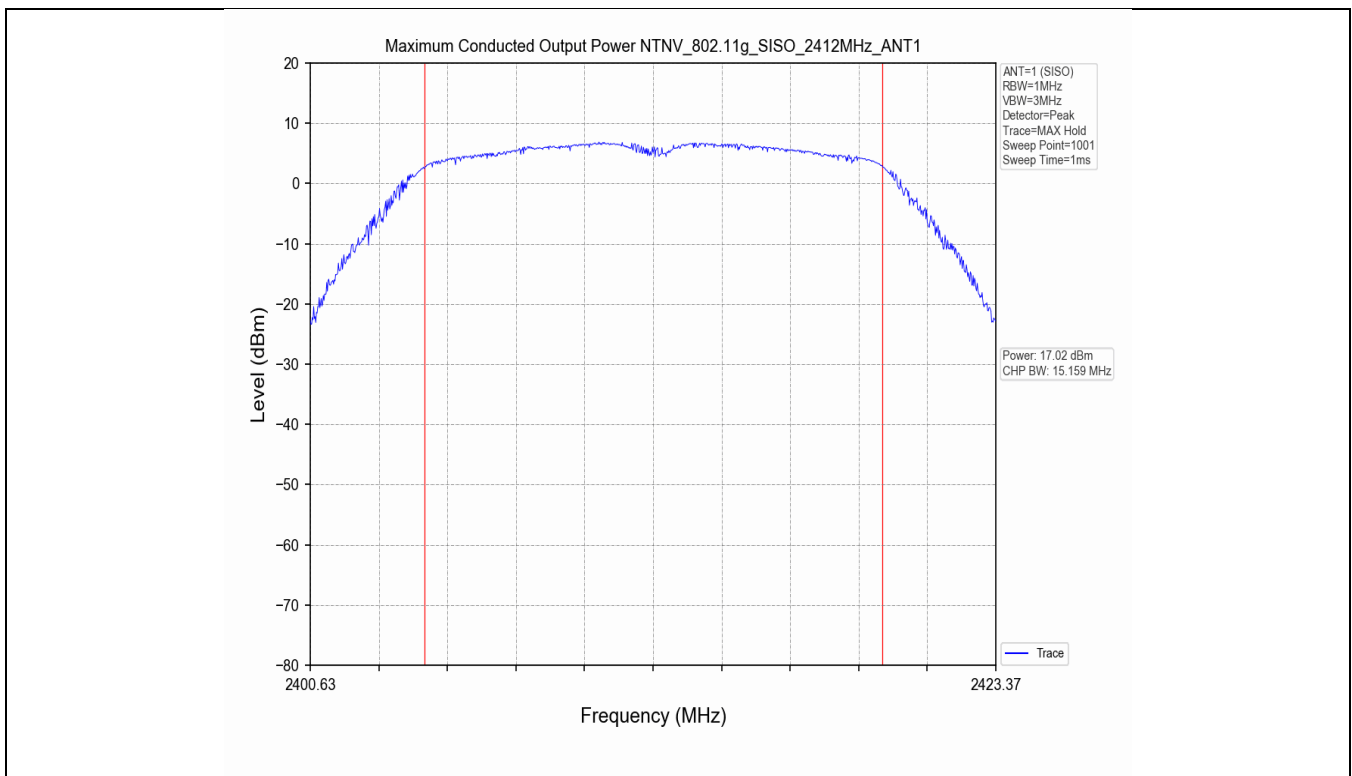
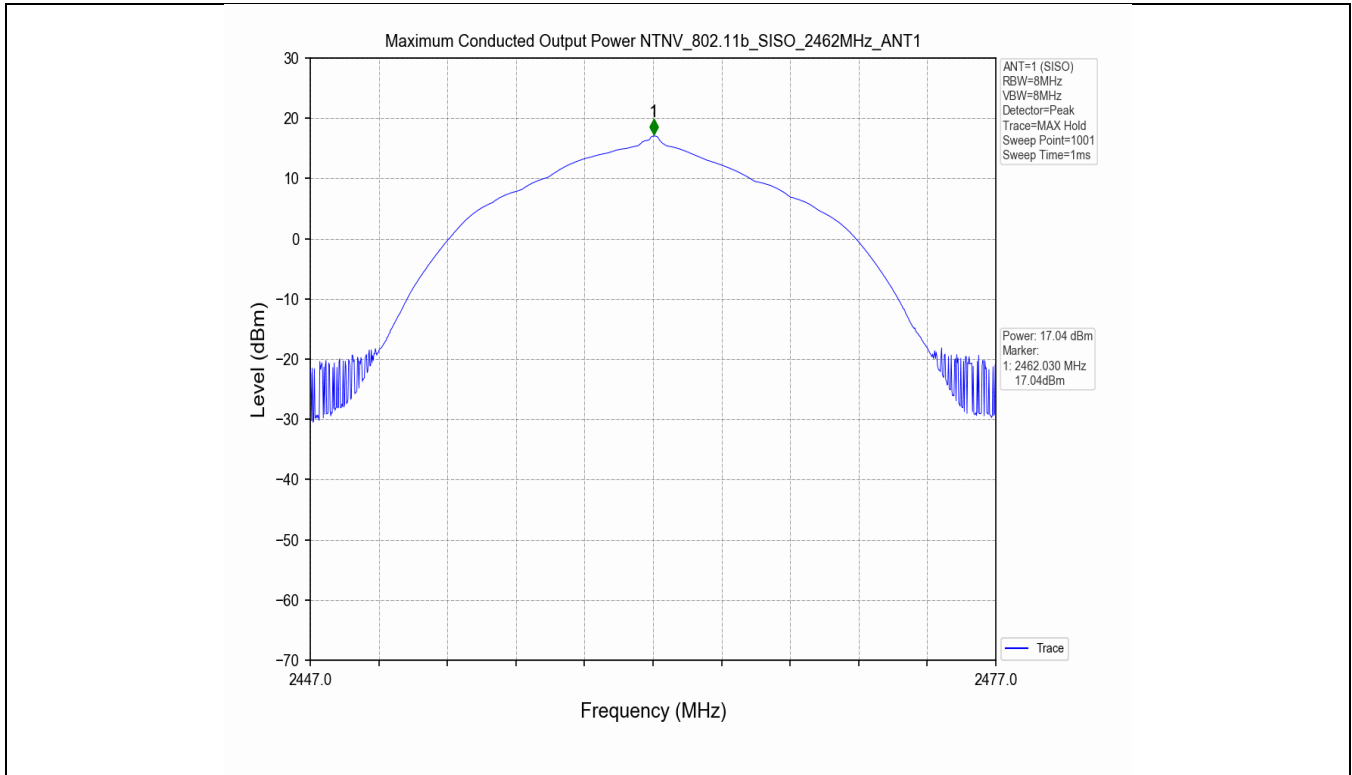
3. Maximum Conducted Output Power

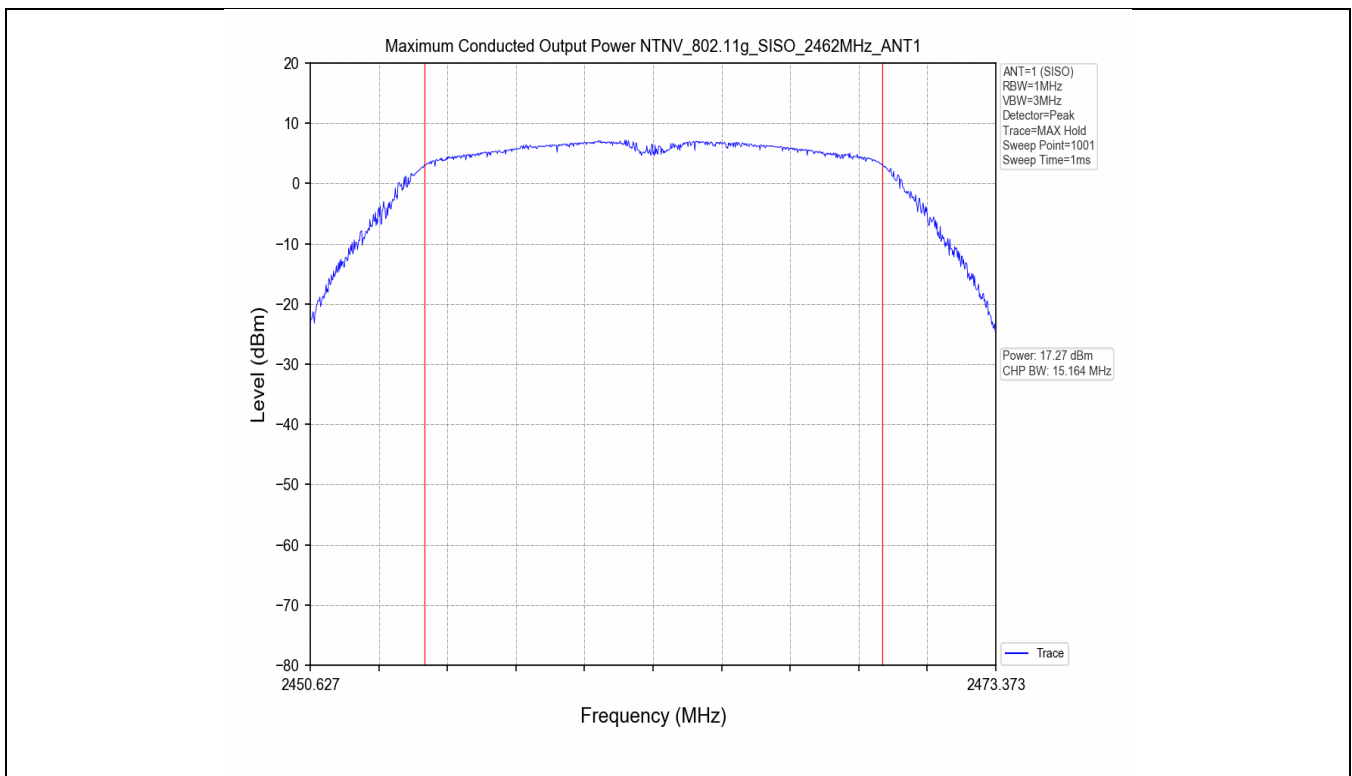
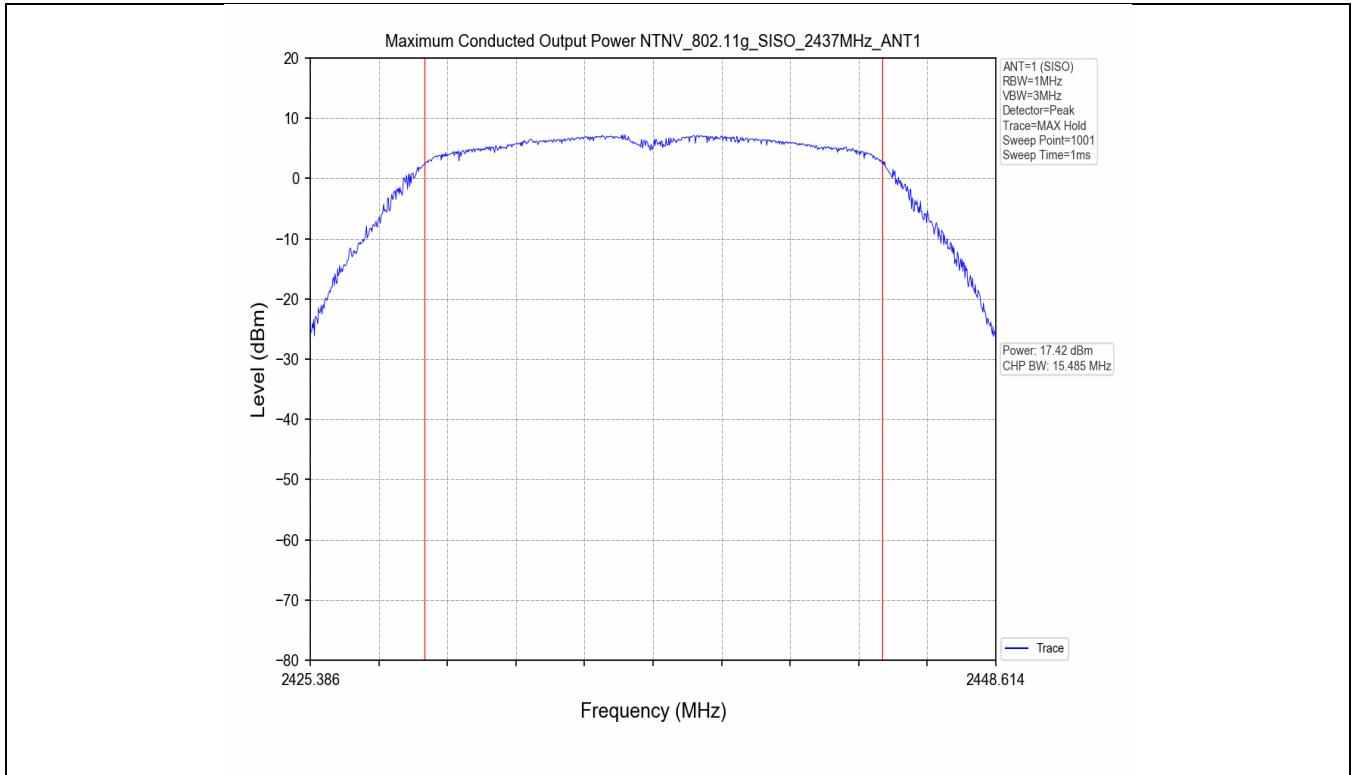
3.1 Test Result

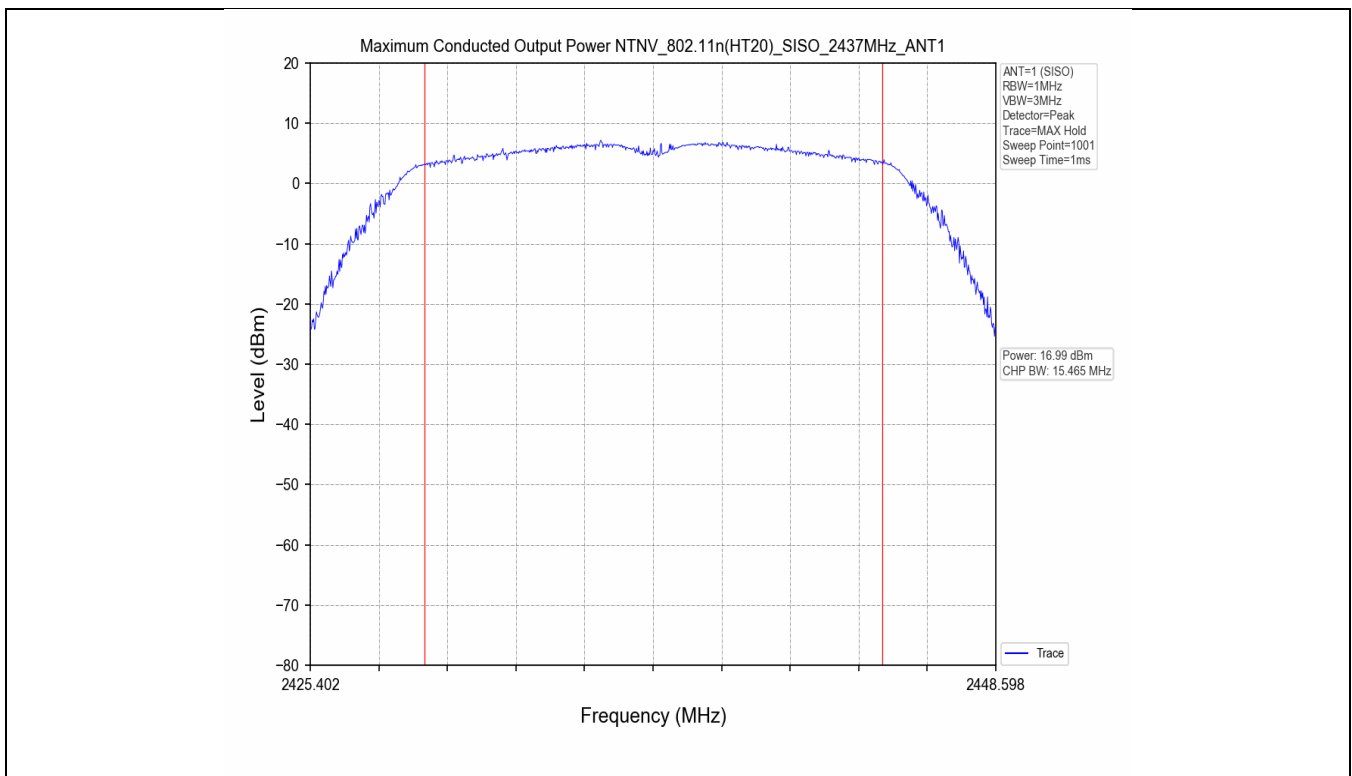
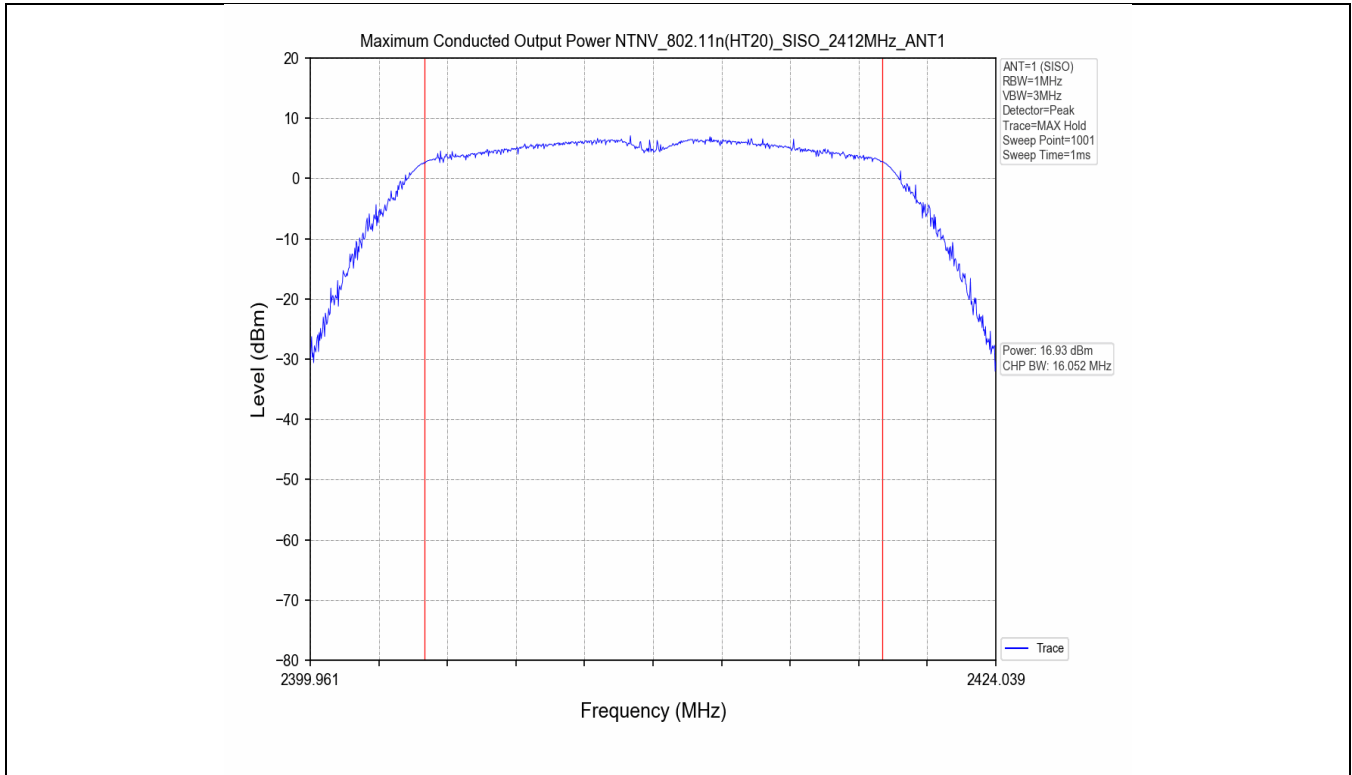
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.09	30	PASS
	2437	SISO	17.16	30	PASS
	2462	SISO	17.04	30	PASS
802.11g	2412	SISO	17.02	30	PASS
	2437	SISO	17.42	30	PASS
	2462	SISO	17.27	30	PASS
802.11n(HT20)	2412	SISO	16.93	30	PASS
	2437	SISO	16.99	30	PASS
	2462	SISO	16.94	30	PASS

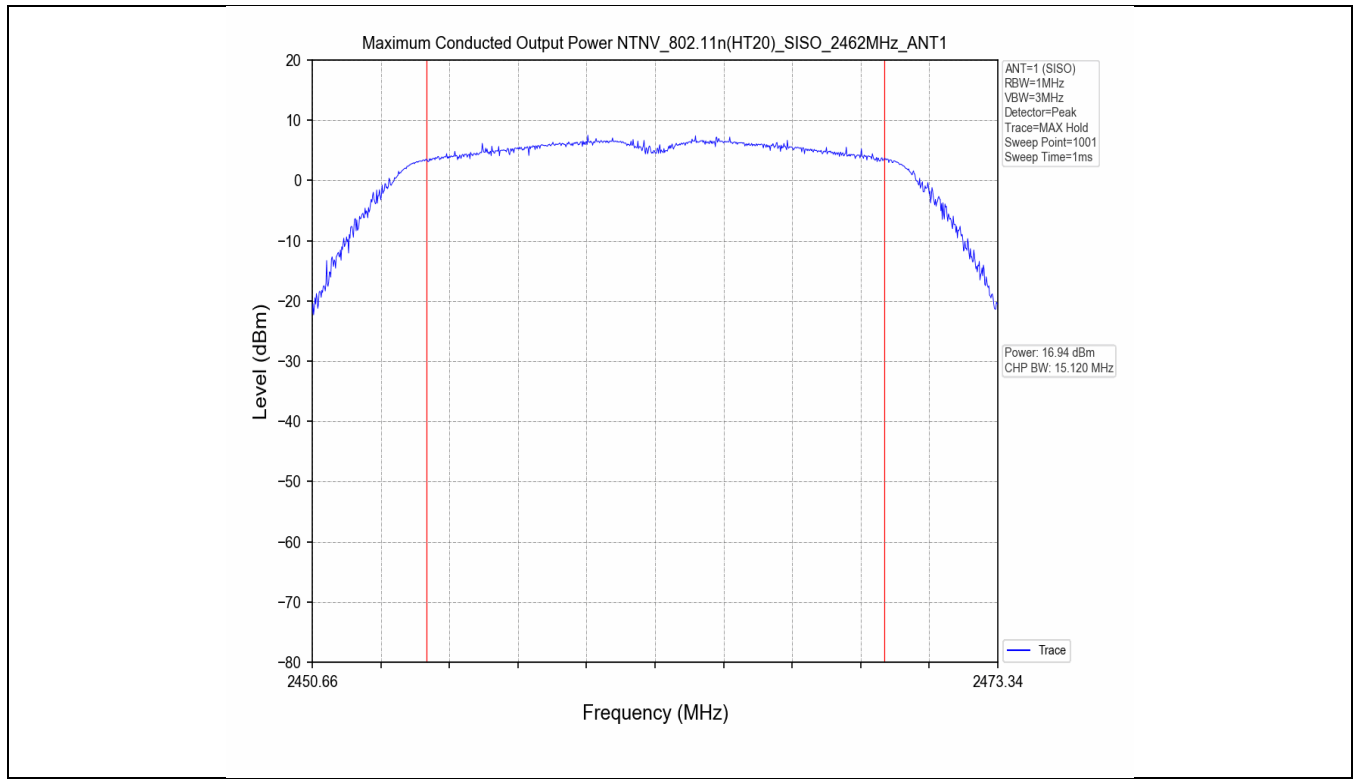
3.2 Test Graph









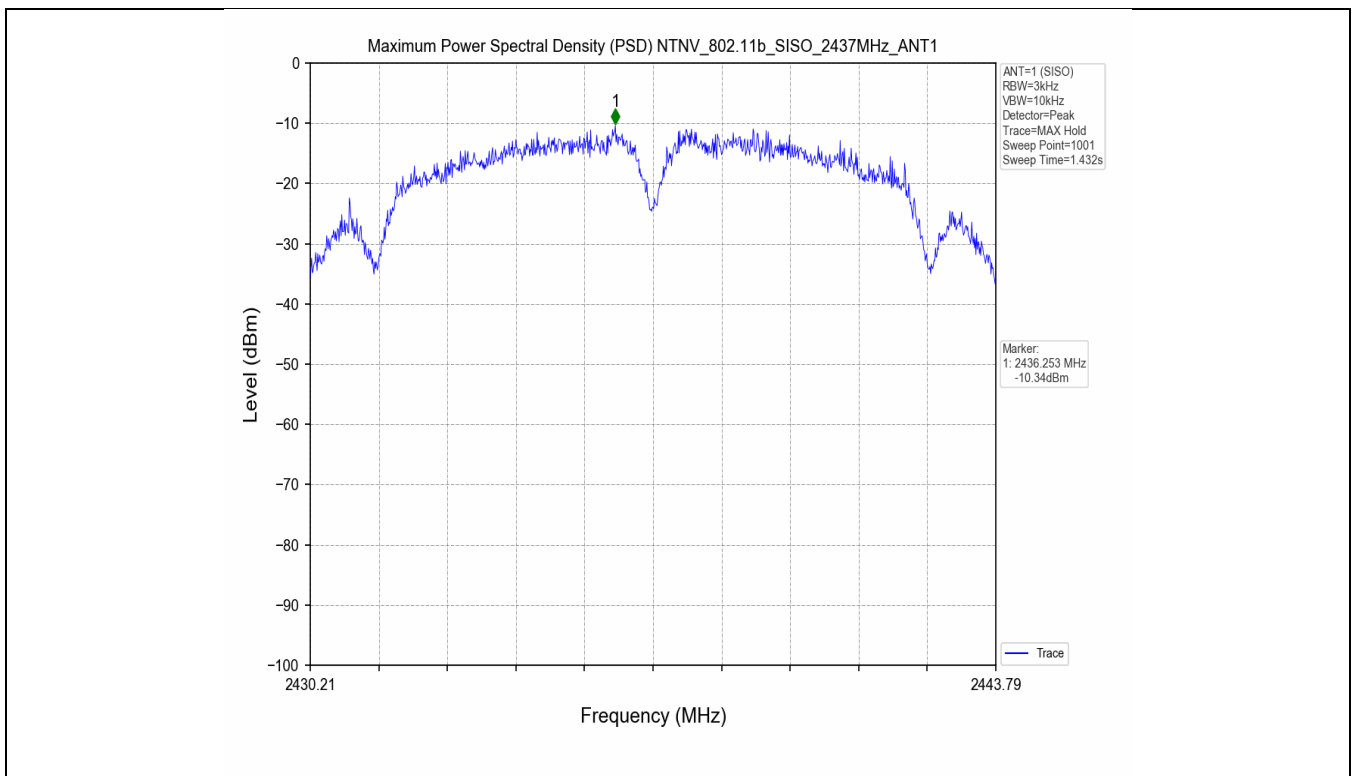
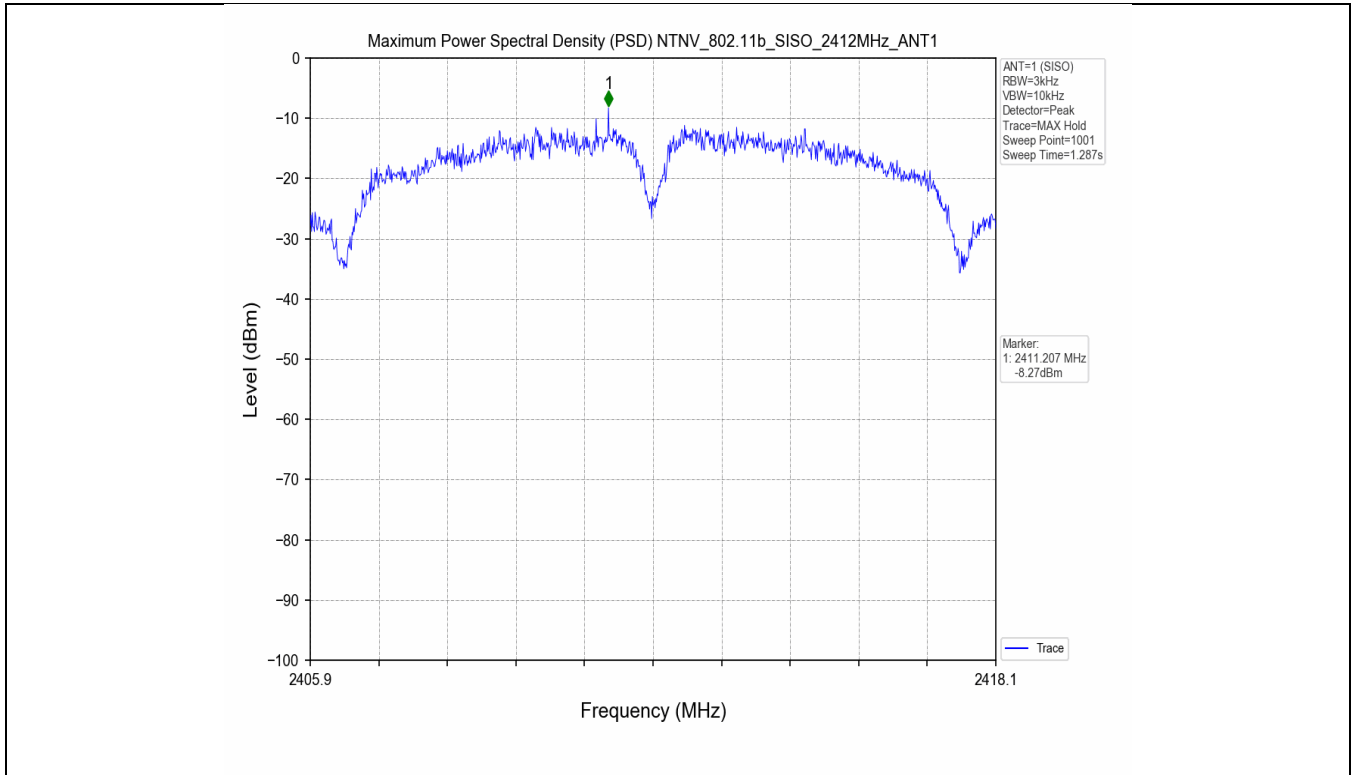


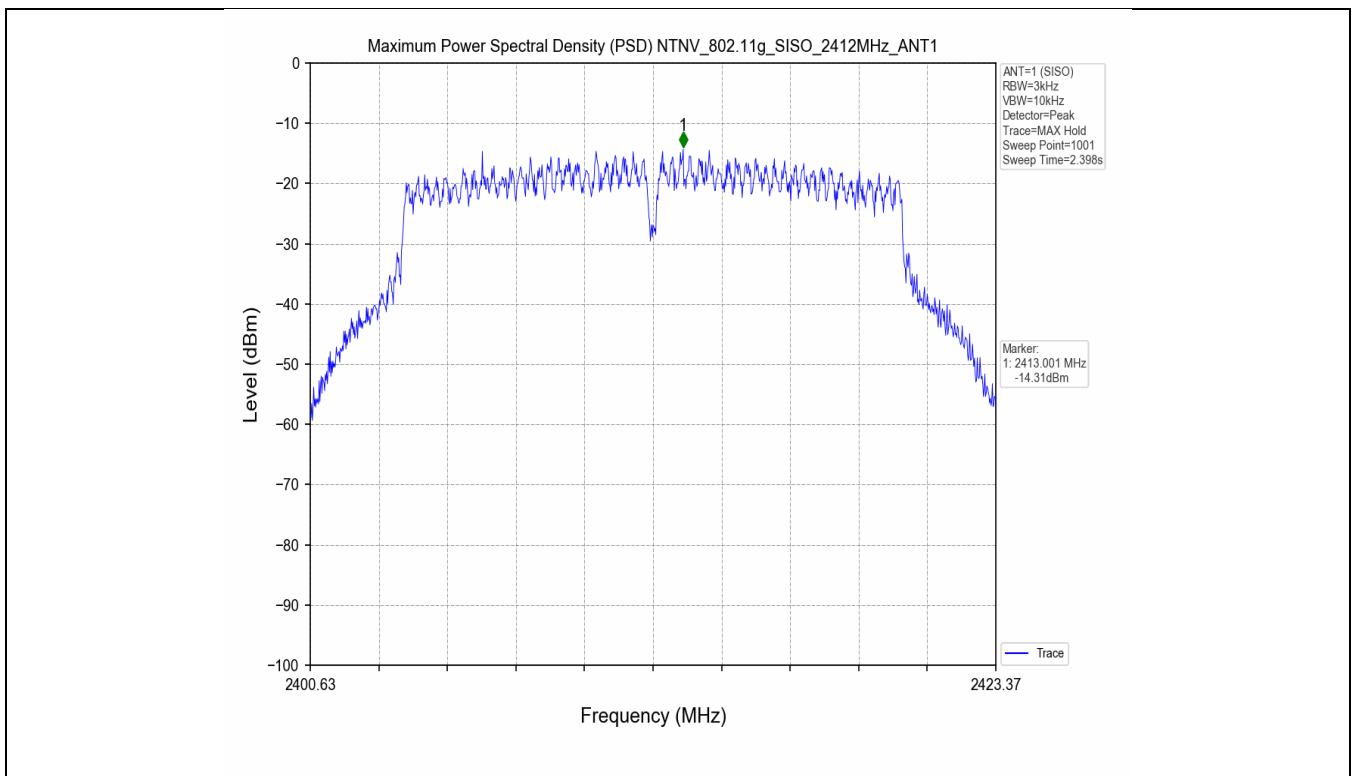
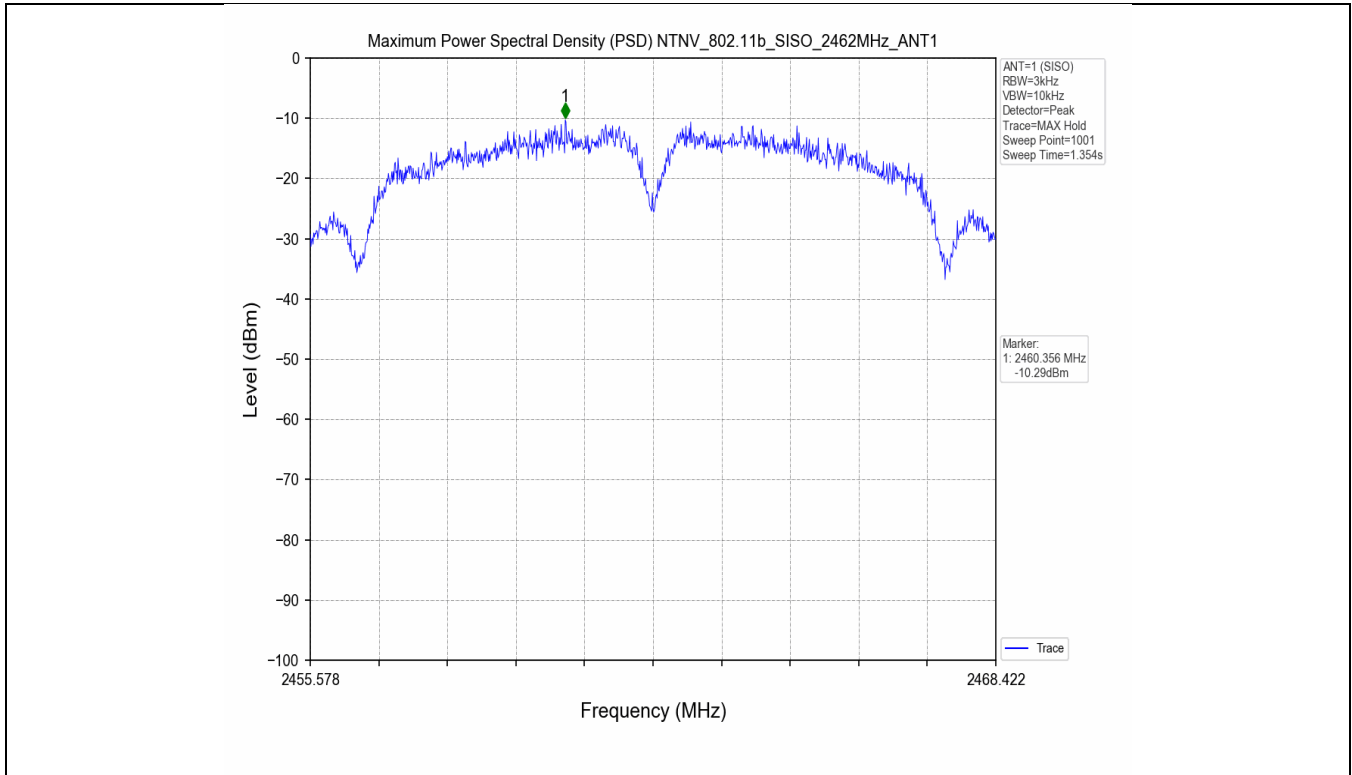
4. Maximum Power Spectral Density (PSD)

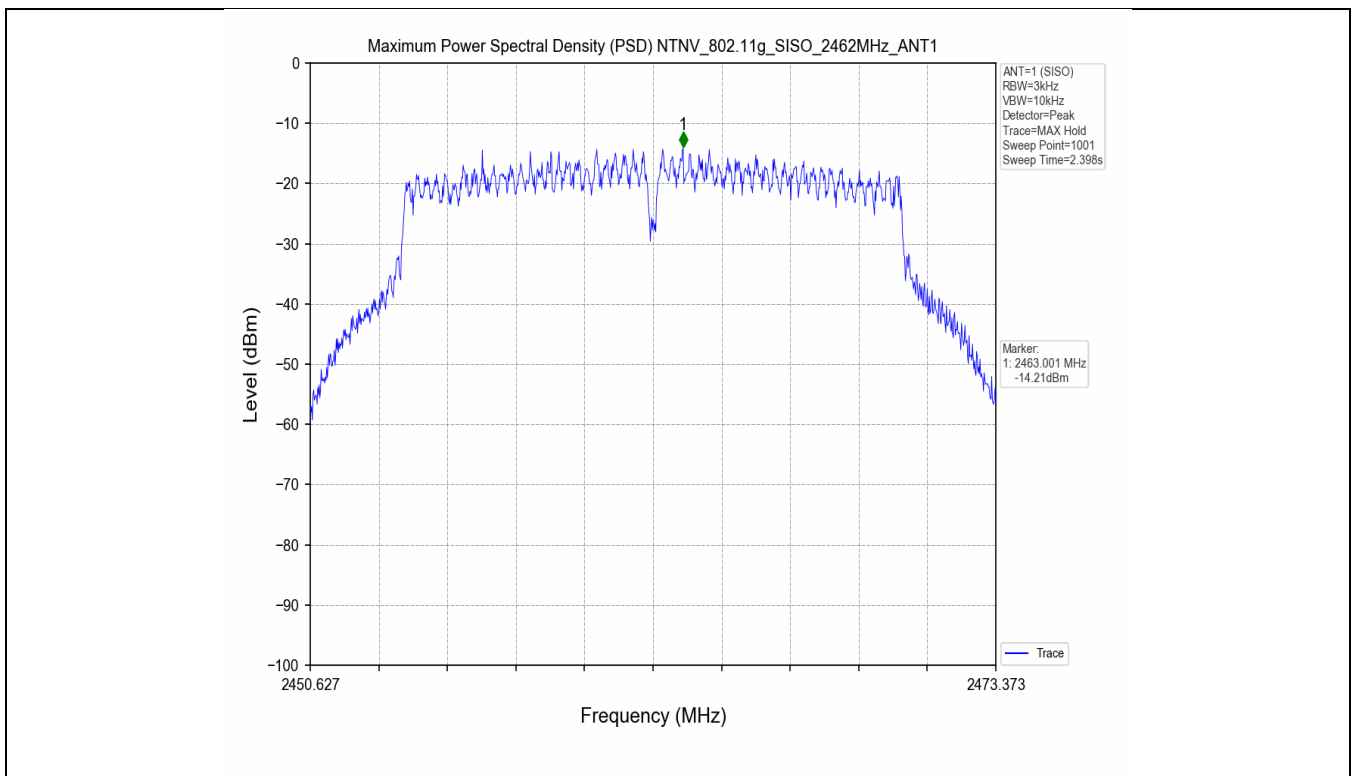
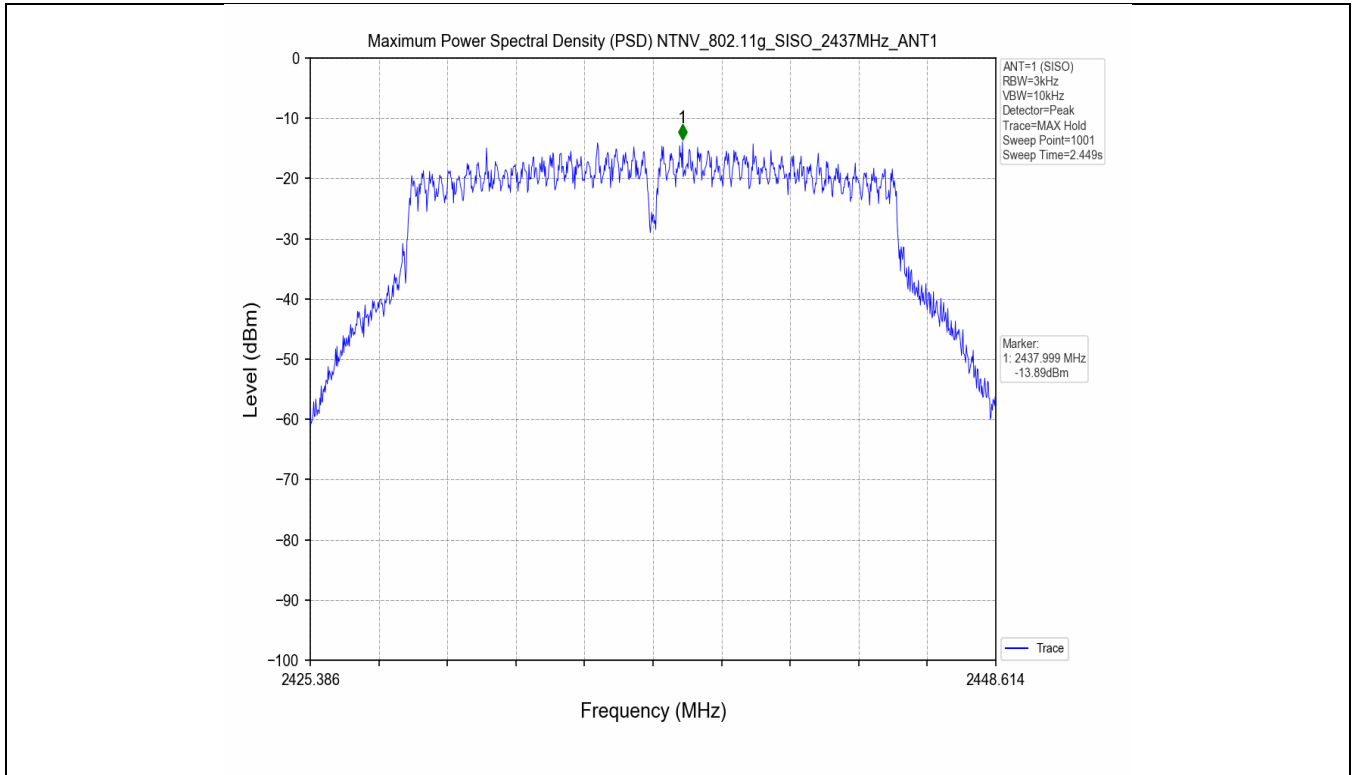
4.1 Test Result

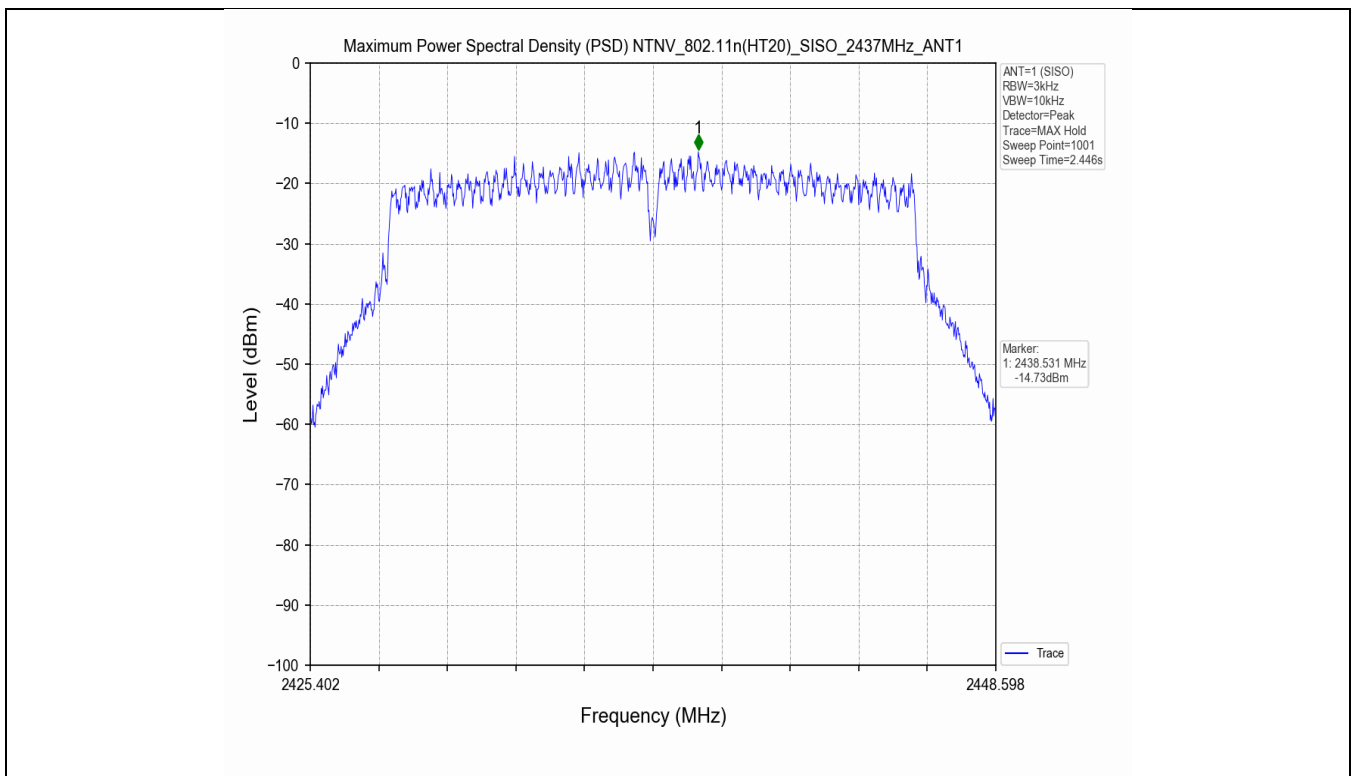
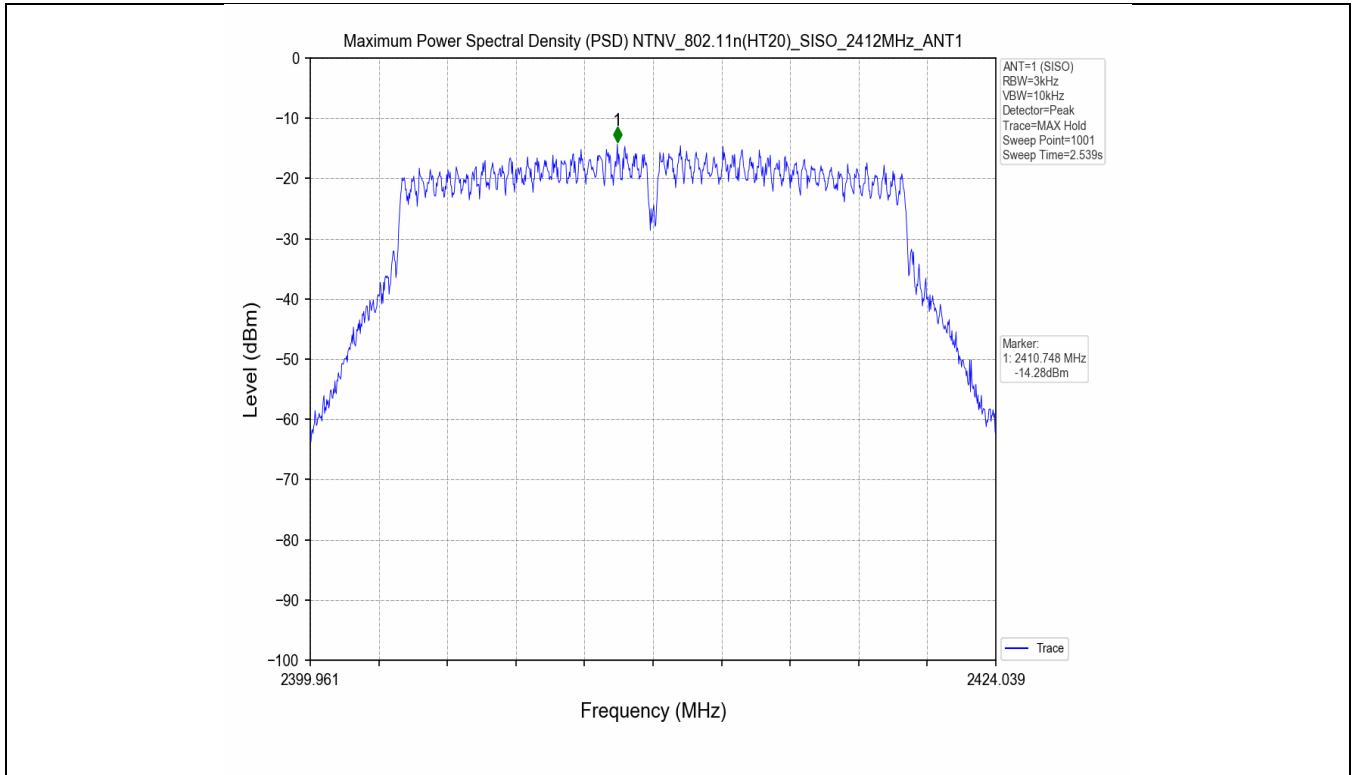
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.27	≤8	PASS
	2437	SISO	-10.34	≤8	PASS
	2462	SISO	-10.29	≤8	PASS
802.11g	2412	SISO	-14.31	≤8	PASS
	2437	SISO	-13.89	≤8	PASS
	2462	SISO	-14.21	≤8	PASS
802.11n(HT20)	2412	SISO	-14.28	≤8	PASS
	2437	SISO	-14.73	≤8	PASS
	2462	SISO	-14.69	≤8	PASS

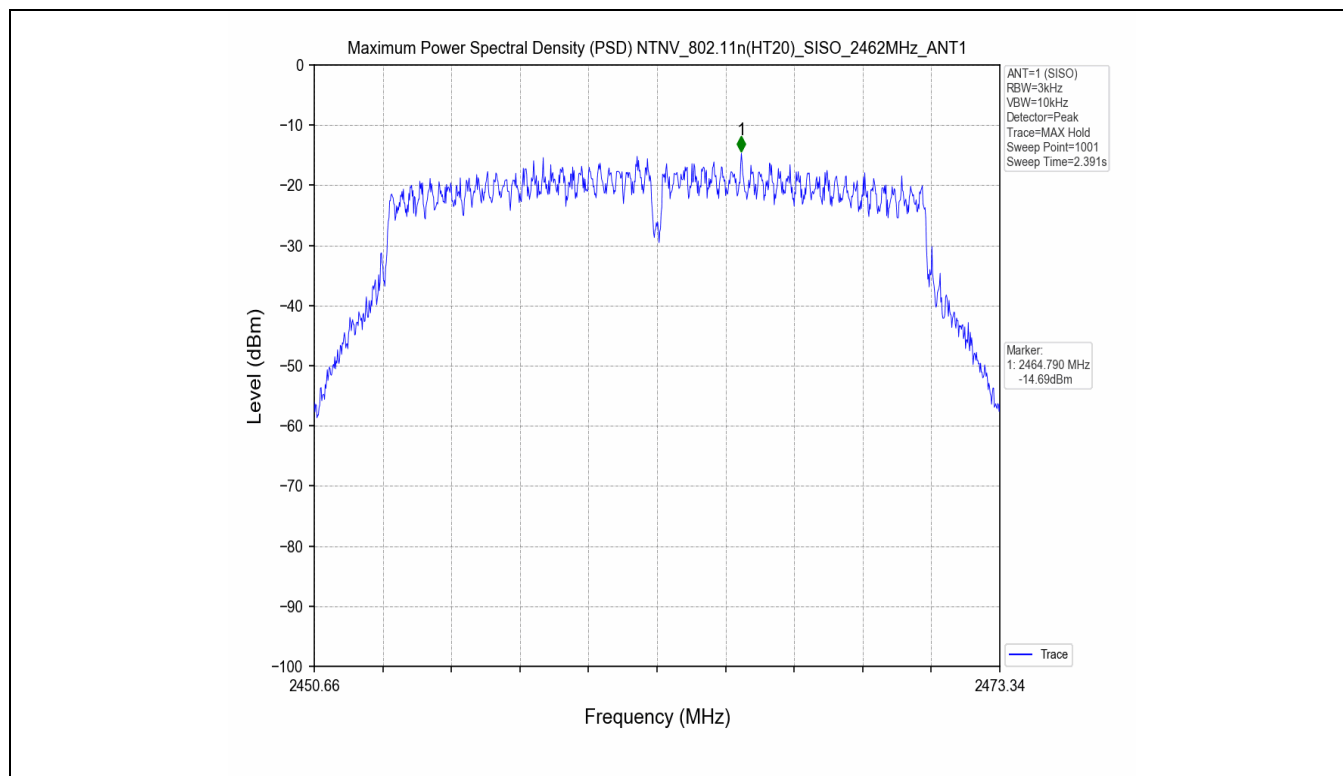
4.2 Test Graph











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	-16.47	PASS
	2437	SISO	1	Refer to test graph	-16.47	PASS
	2462	SISO	1	Refer to test graph	-16.47	PASS
802.11g	2412	SISO	1	Refer to test graph	-19.72	PASS
	2437	SISO	1	Refer to test graph	-19.72	PASS
	2462	SISO	1	Refer to test graph	-19.72	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-20.08	PASS
	2437	SISO	1	Refer to test graph	-20.08	PASS
	2462	SISO	1	Refer to test graph	-20.08	PASS

5.2 Test Graph

