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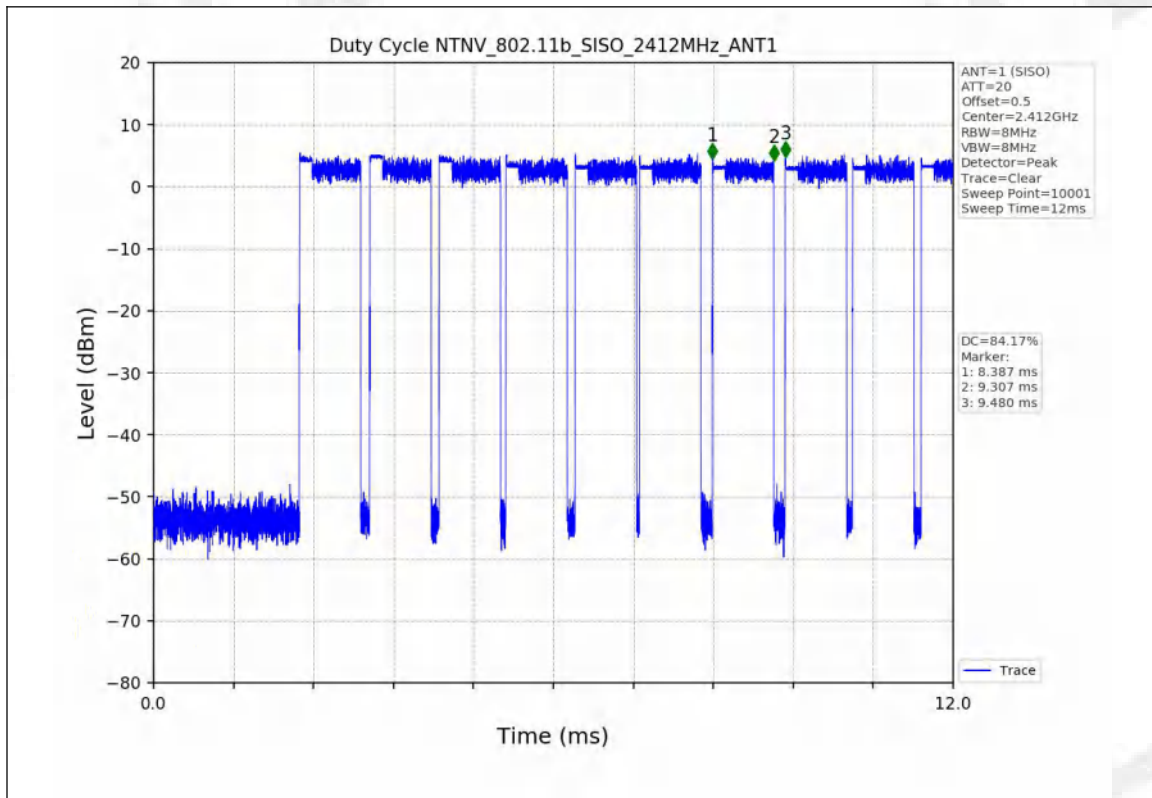
Appendix for 15.247

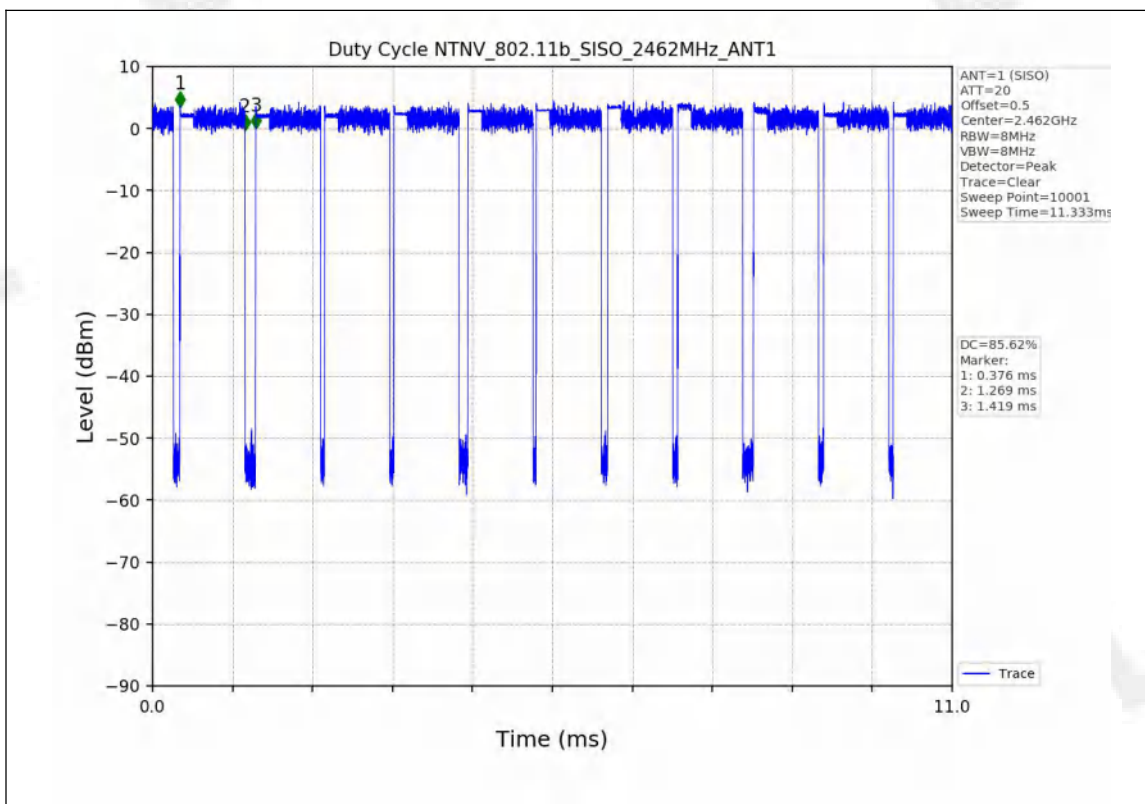
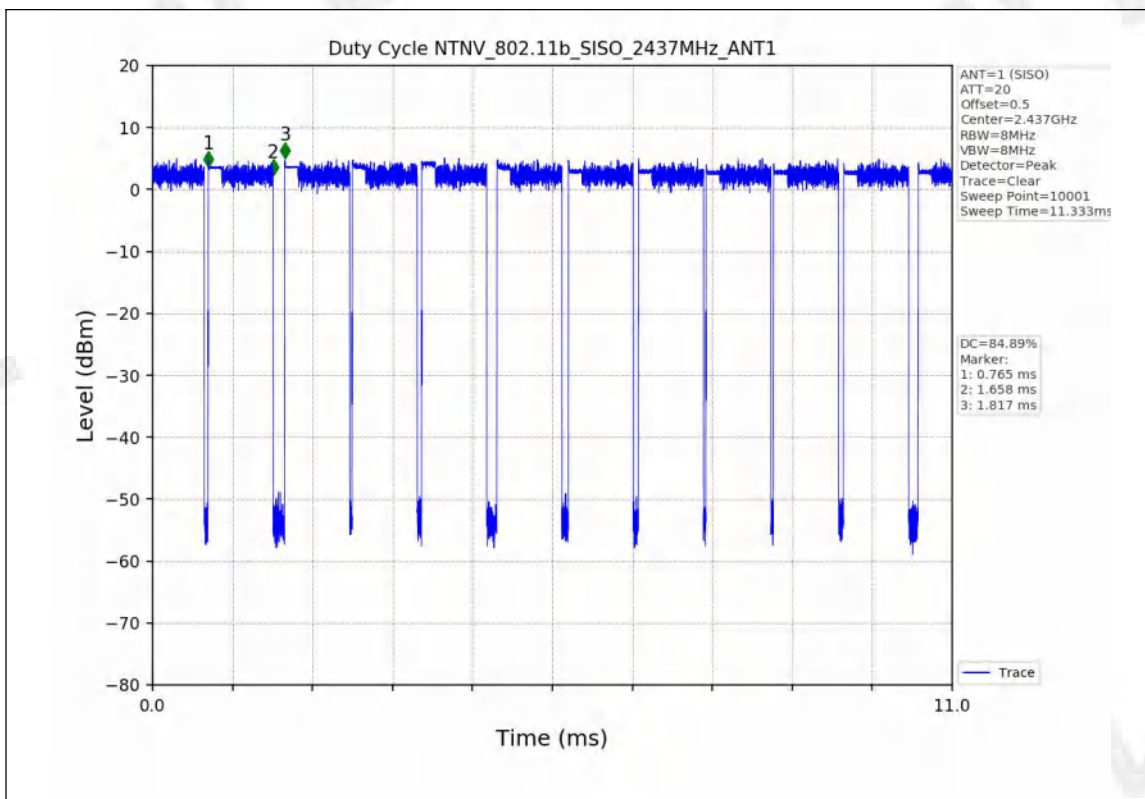
1. Duty Cycle

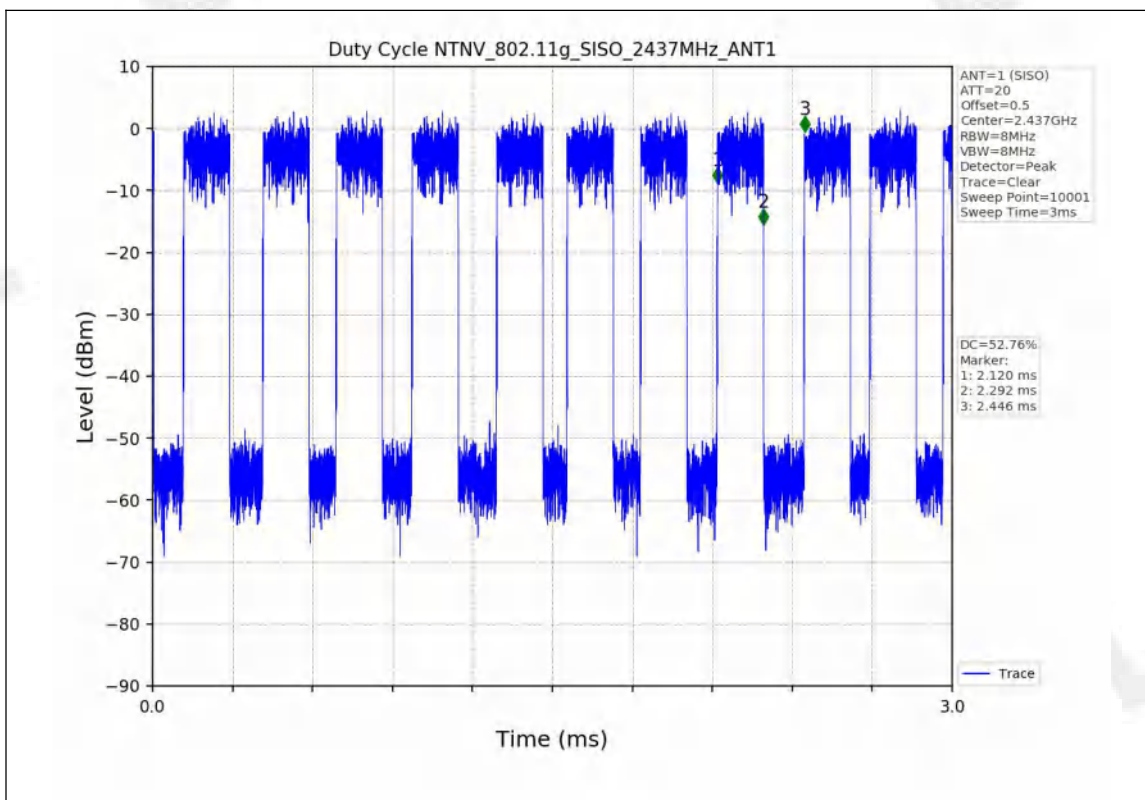
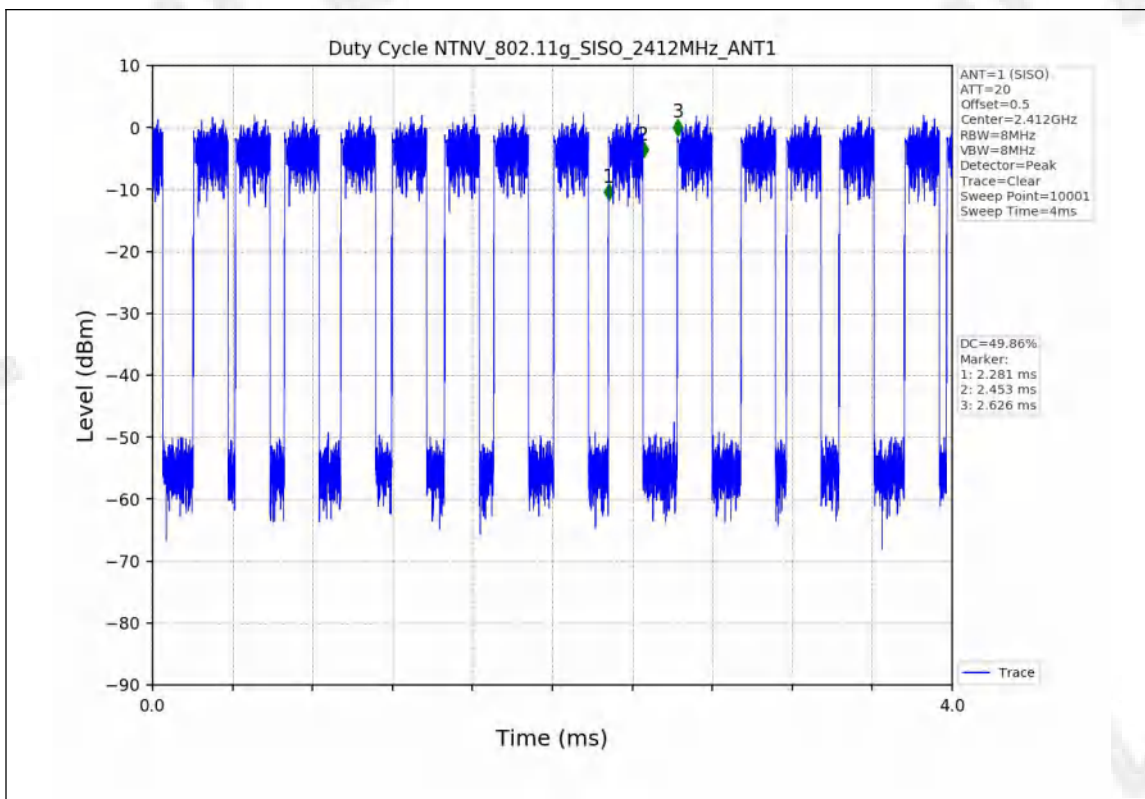
1.1 Test Result

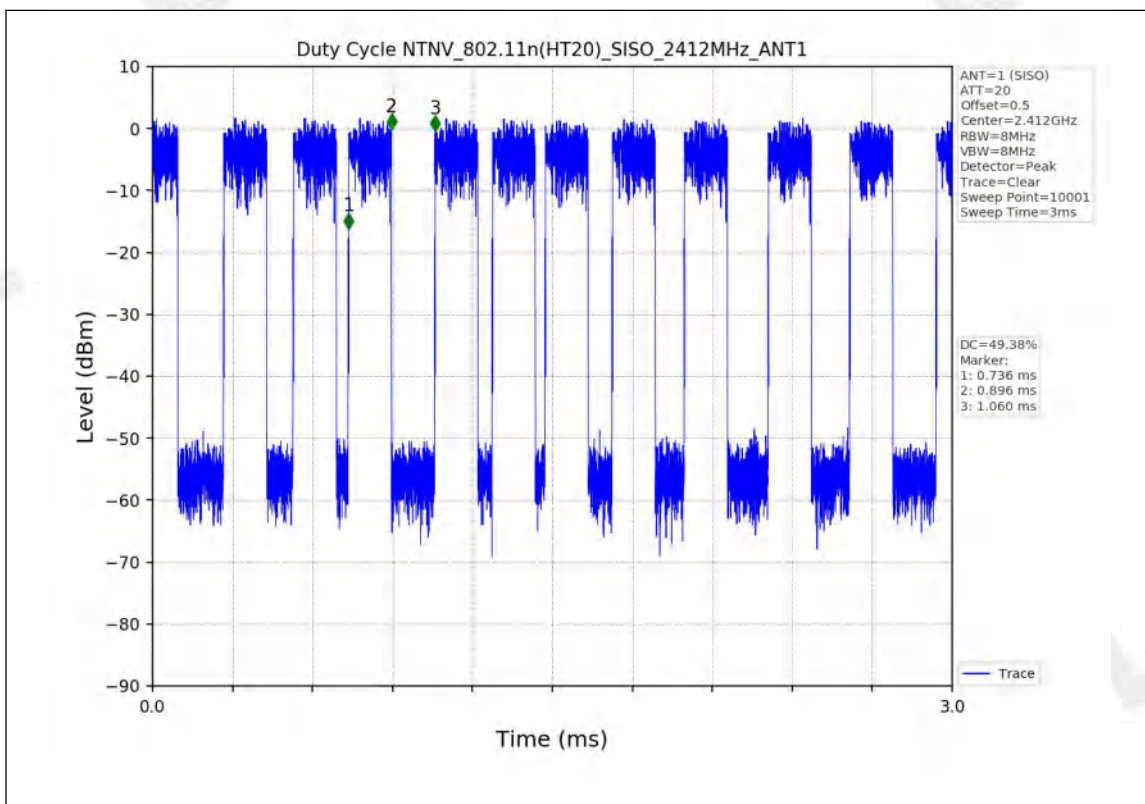
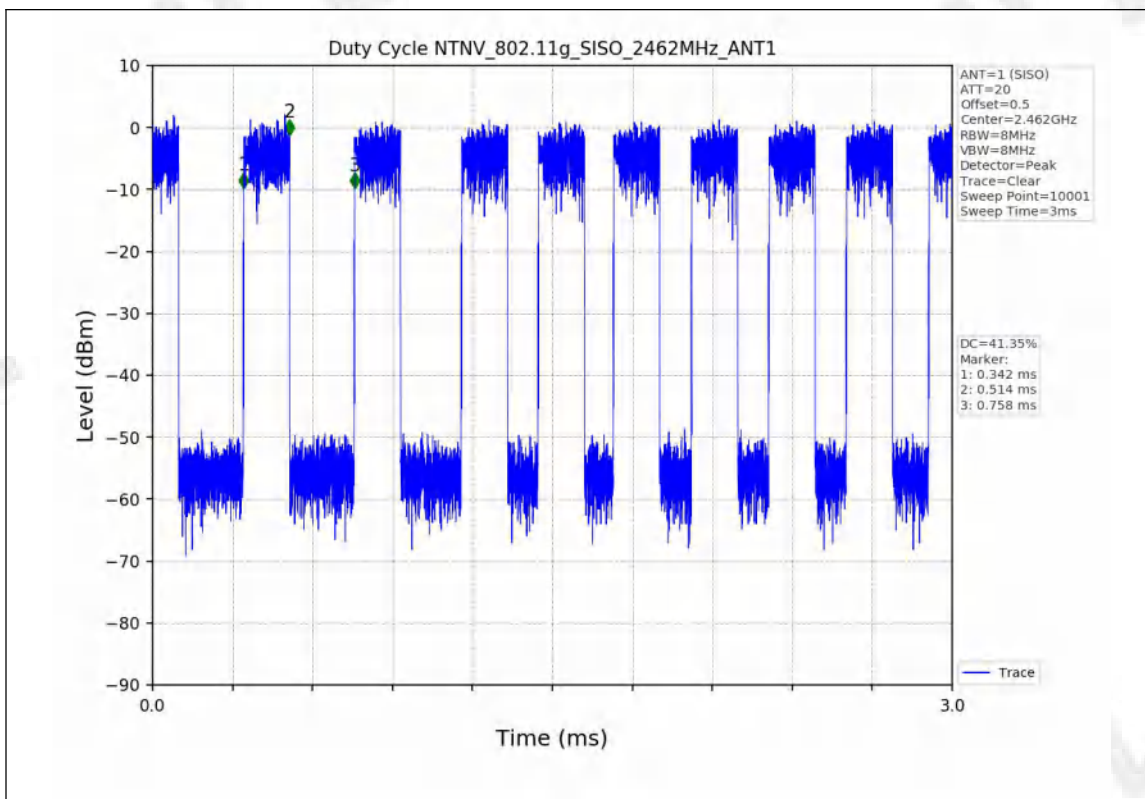
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	0.920	1.093	84.17	0.75
	2437	SISO	1	0.893	1.052	84.89	0.71
	2462	SISO	1	0.893	1.043	85.62	0.67
802.11g	2412	SISO	1	0.172	0.345	49.86	3.02
	2437	SISO	1	0.172	0.326	52.76	2.78
	2462	SISO	1	0.172	0.416	41.35	3.84
802.11n(HT20)	2412	SISO	1	0.160	0.324	49.38	3.06
	2437	SISO	1	0.160	0.324	49.38	3.06
	2462	SISO	1	0.163	0.333	48.95	3.10
802.11n(HT40)	2422	SISO	1	0.609	0.768	79.30	1.01
	2437	SISO	1	0.632	0.796	79.40	1.00
	2452	SISO	1	0.632	0.787	80.30	0.95

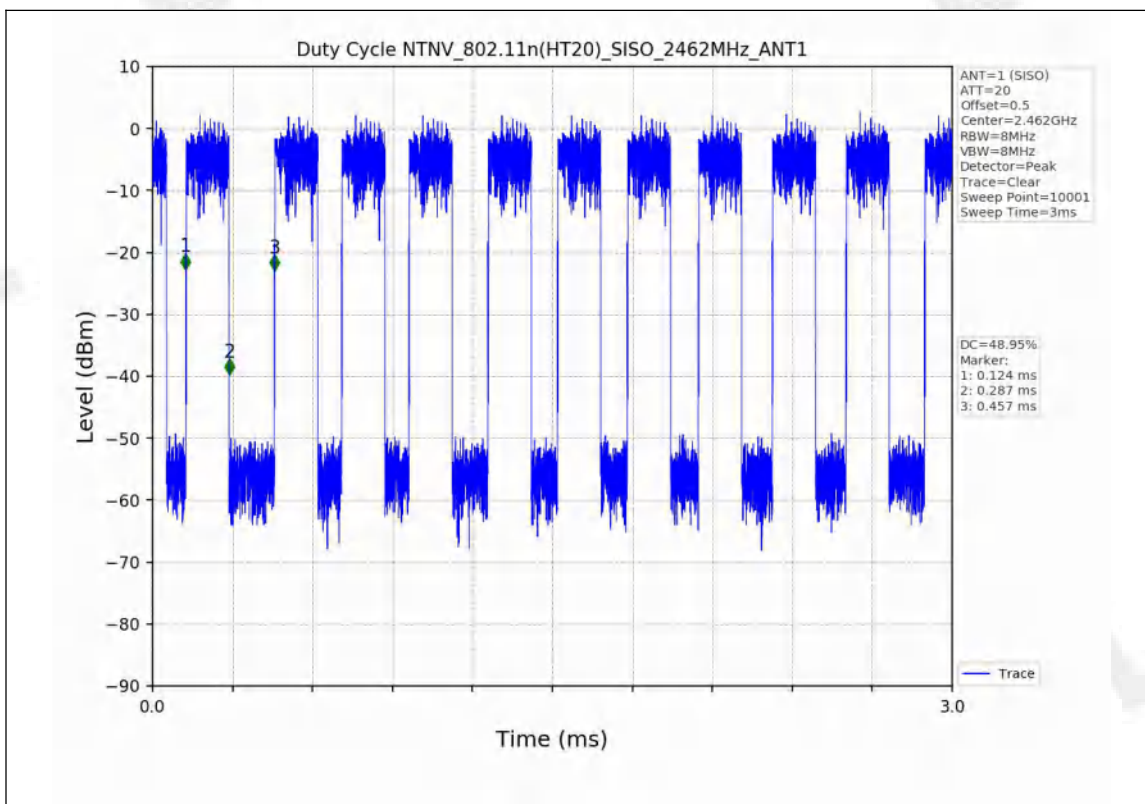
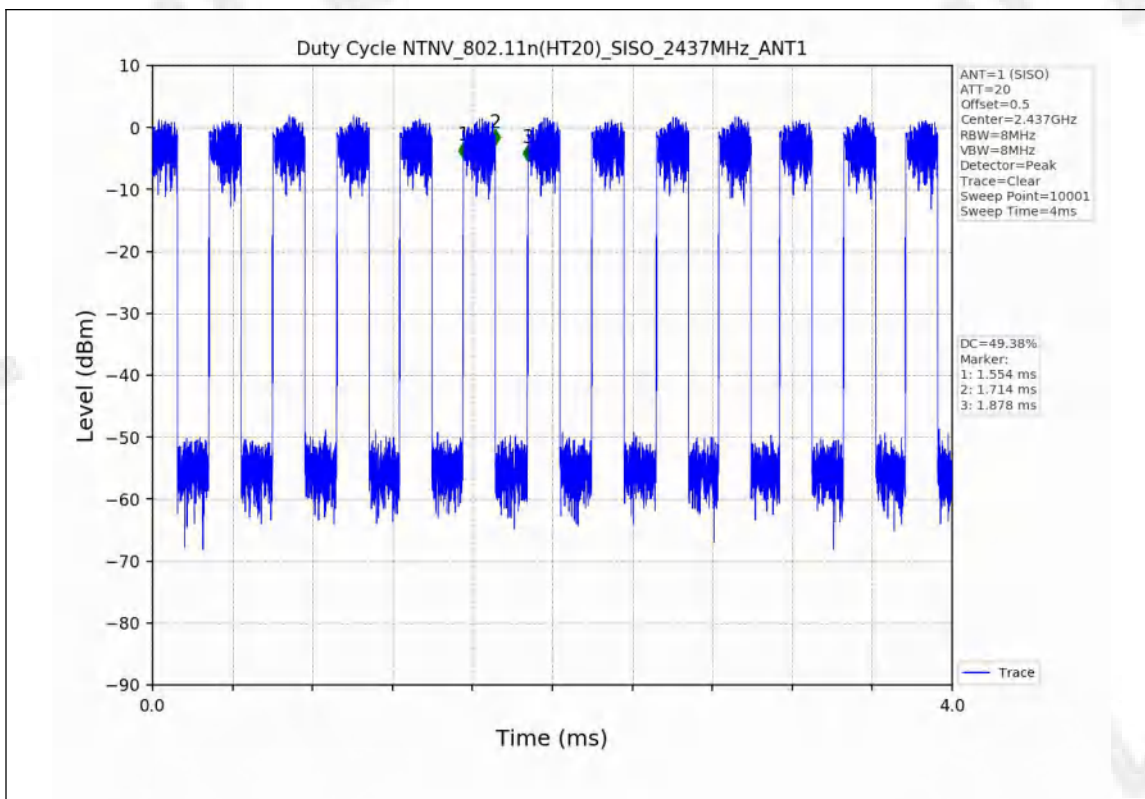
1.2 Test Graph

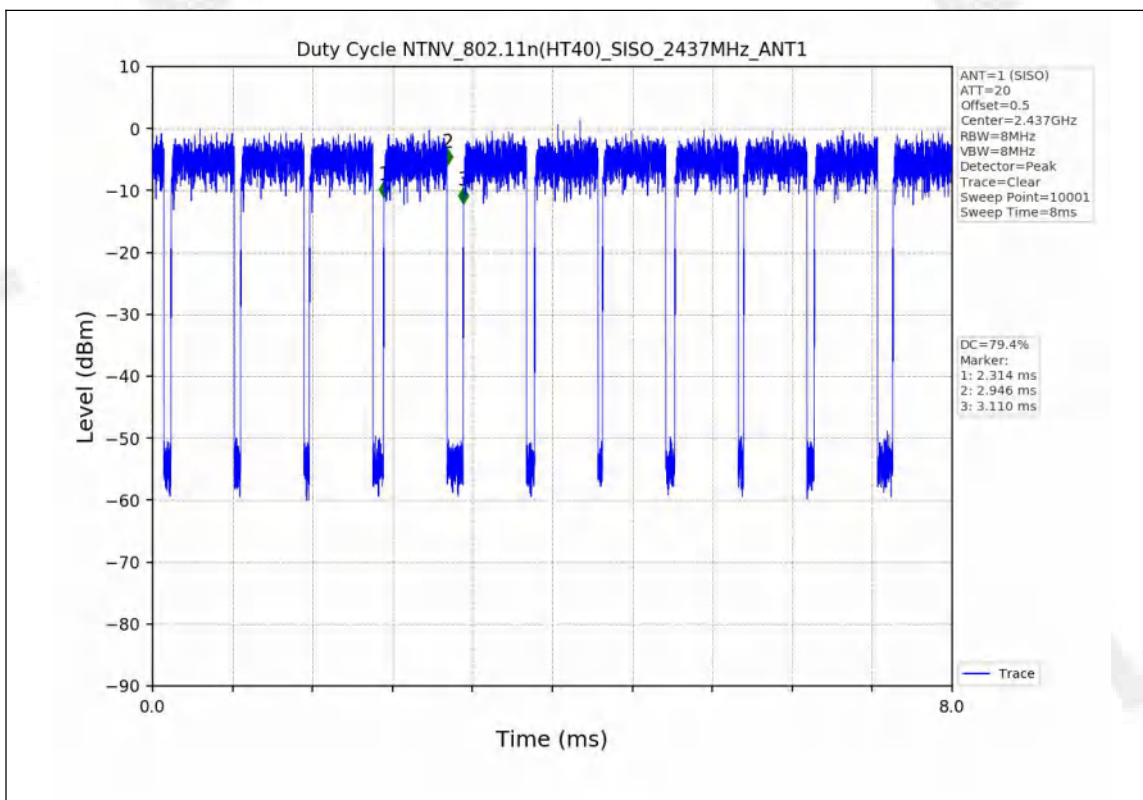
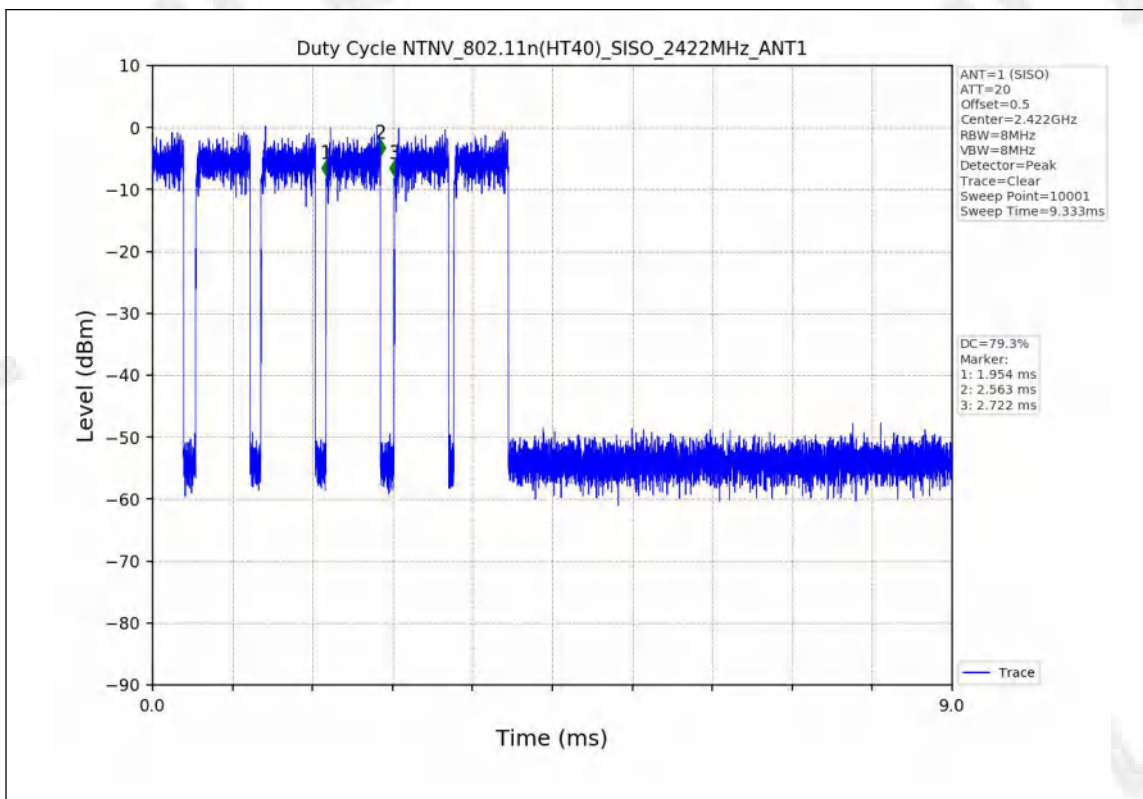


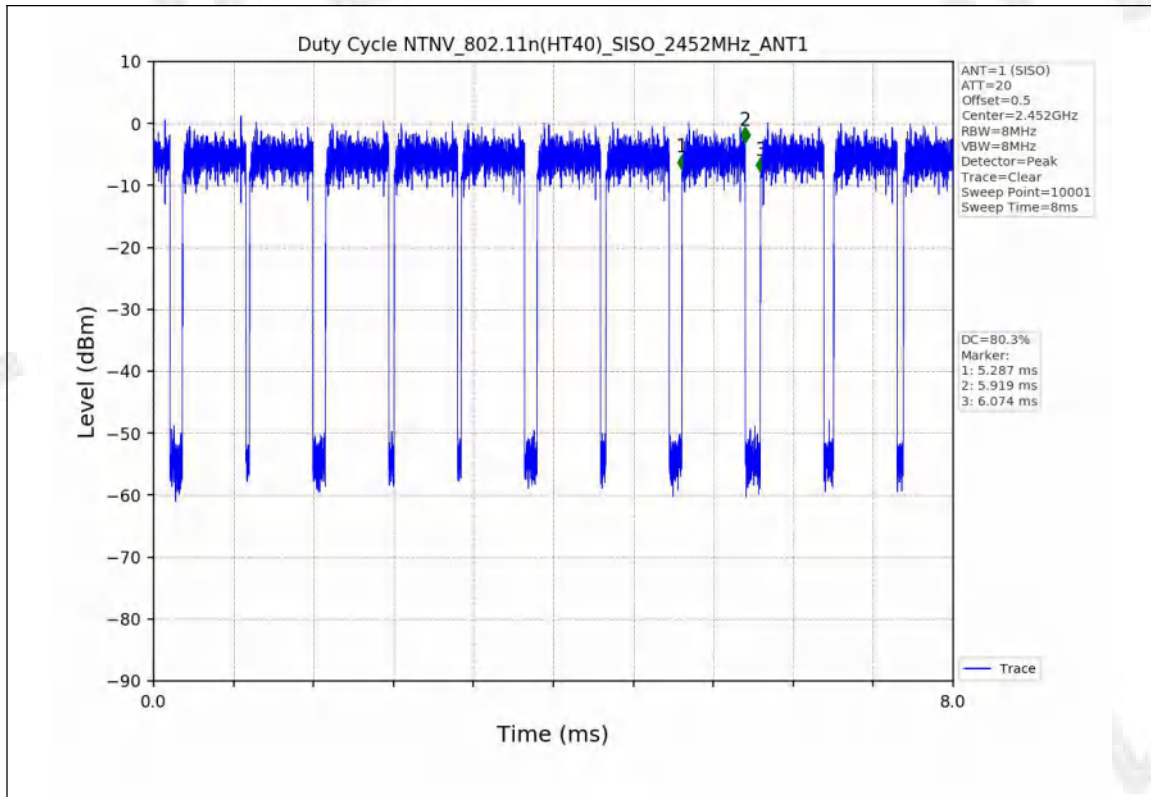












2. Bandwidth

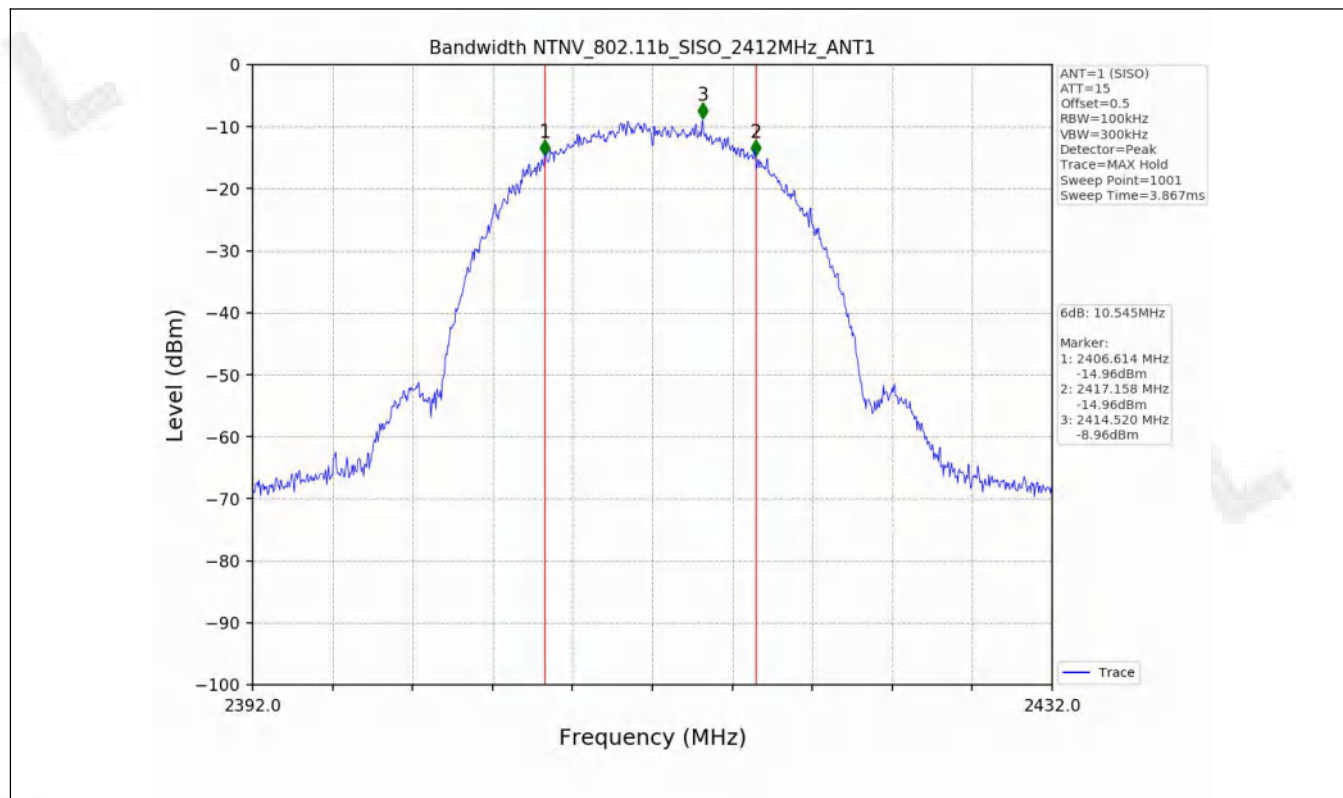
2.1 Test Result

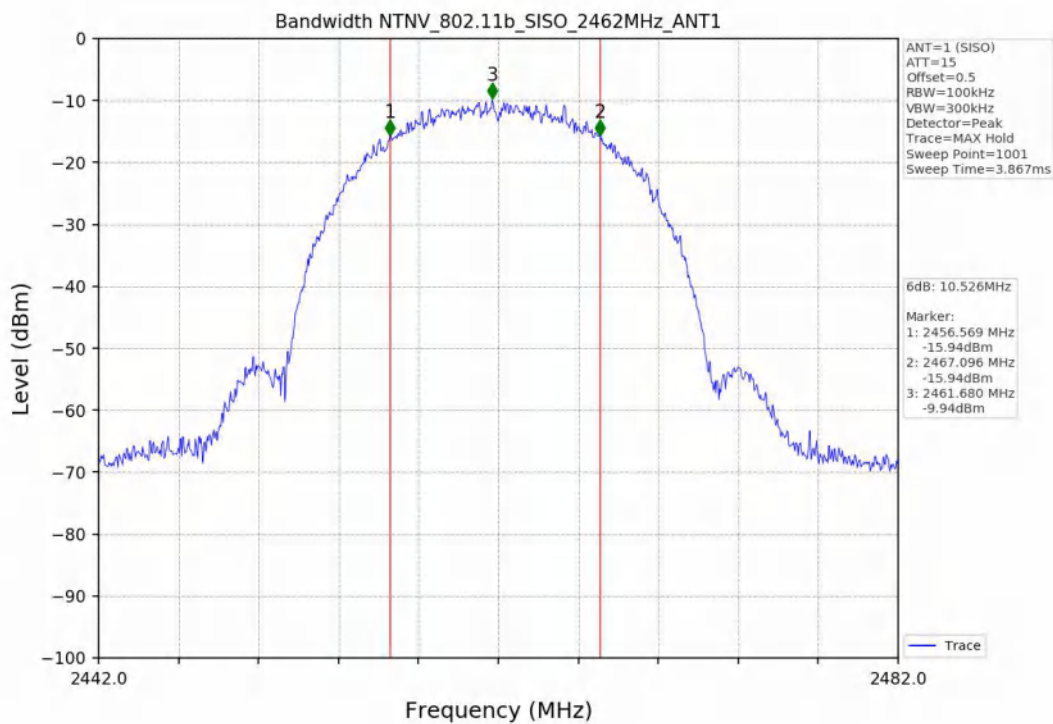
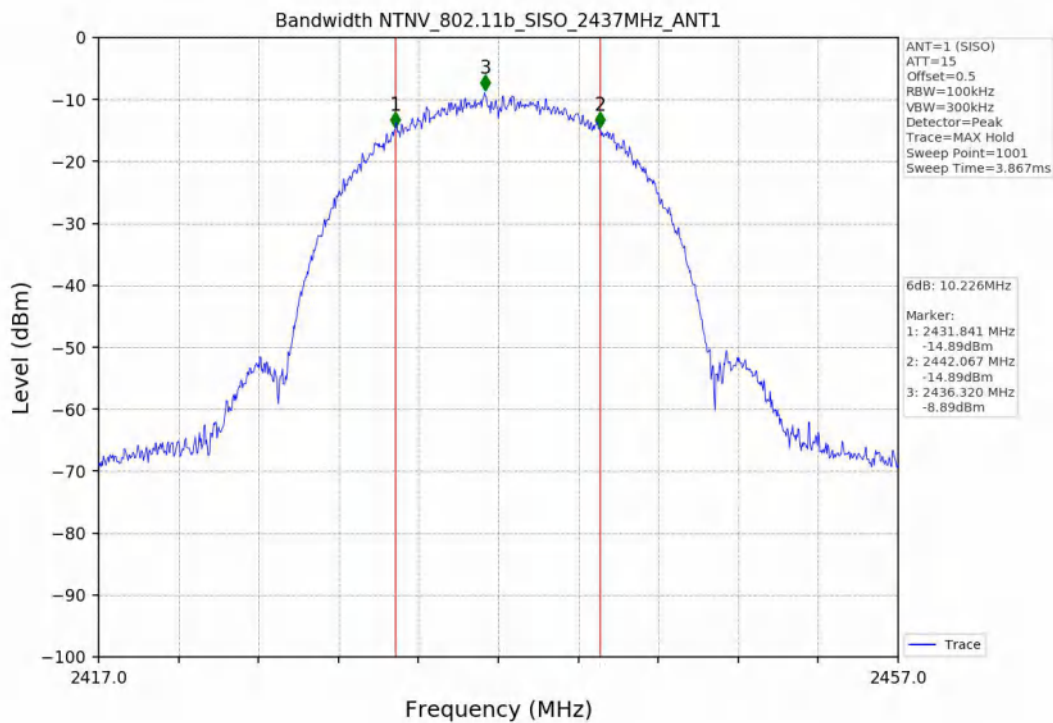
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	10.545	PASS
	2437	SISO	1	10.226	PASS
	2462	SISO	1	10.526	PASS
802.11g	2412	SISO	1	16.479	PASS
	2437	SISO	1	16.476	PASS
	2462	SISO	1	16.476	PASS
802.11n(HT20)	2412	SISO	1	17.648	PASS
	2437	SISO	1	17.703	PASS
	2462	SISO	1	17.689	PASS
802.11n(HT40)	2422	SISO	1	36.148	PASS
	2437	SISO	1	36.330	PASS
	2452	SISO	1	35.978	PASS

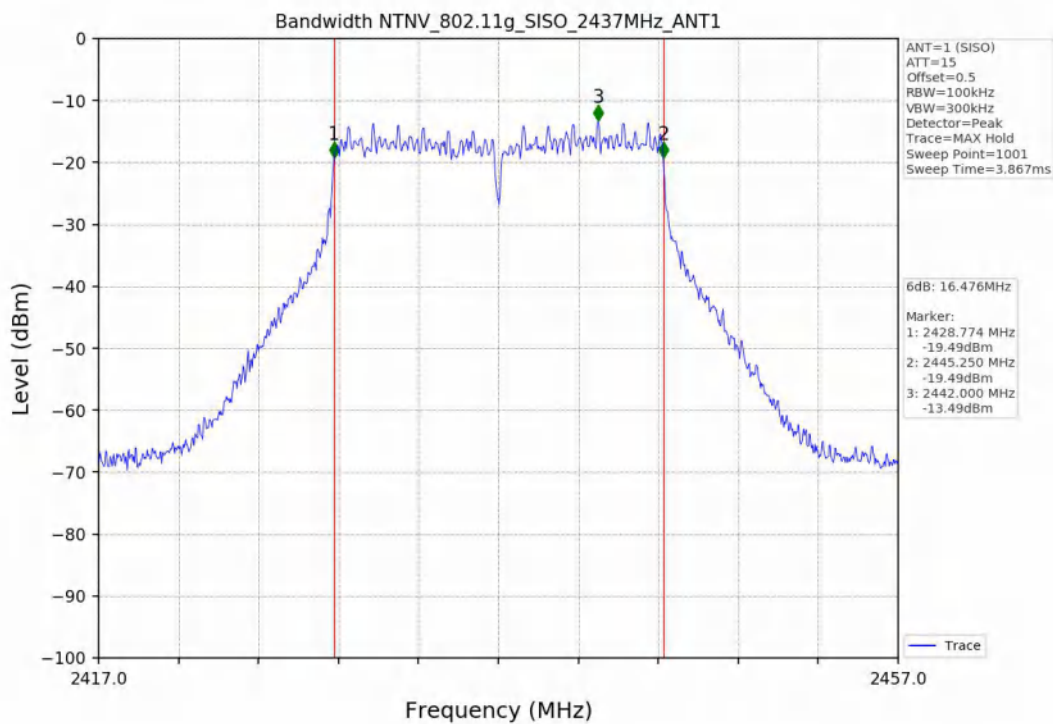
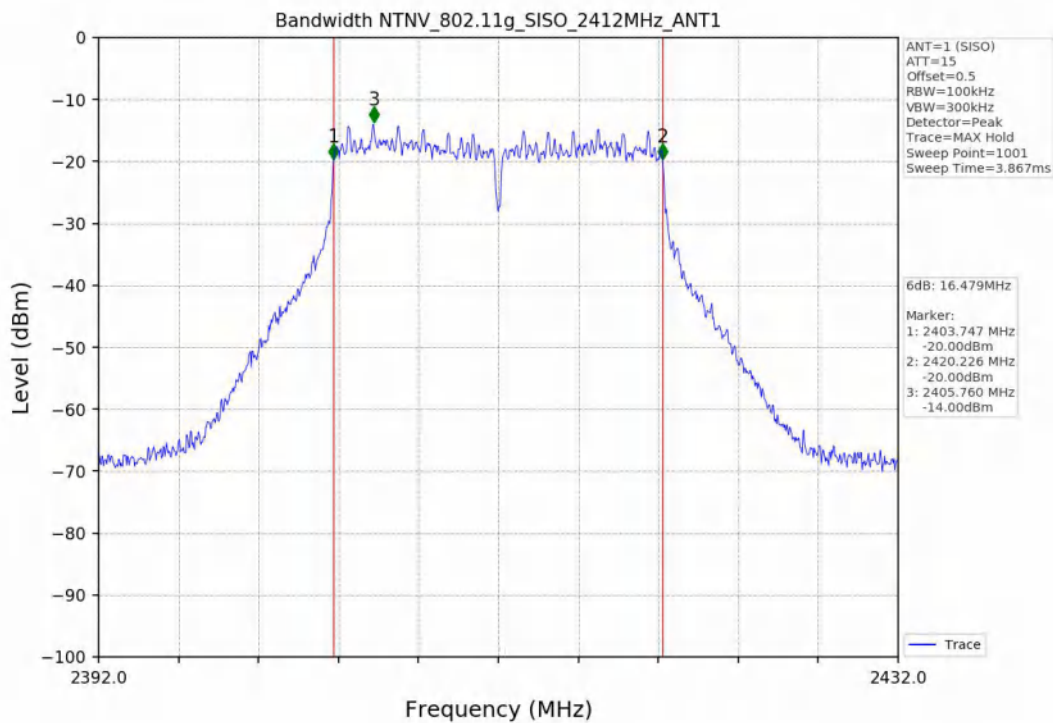
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.019	Only for Report Use
	2437	SISO	1	14.967	Only for Report Use
	2462	SISO	1	15.005	Only for Report Use
802.11g	2412	SISO	1	16.814	Only for Report Use
	2437	SISO	1	16.809	Only for Report Use
	2462	SISO	1	16.811	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.893	Only for Report Use

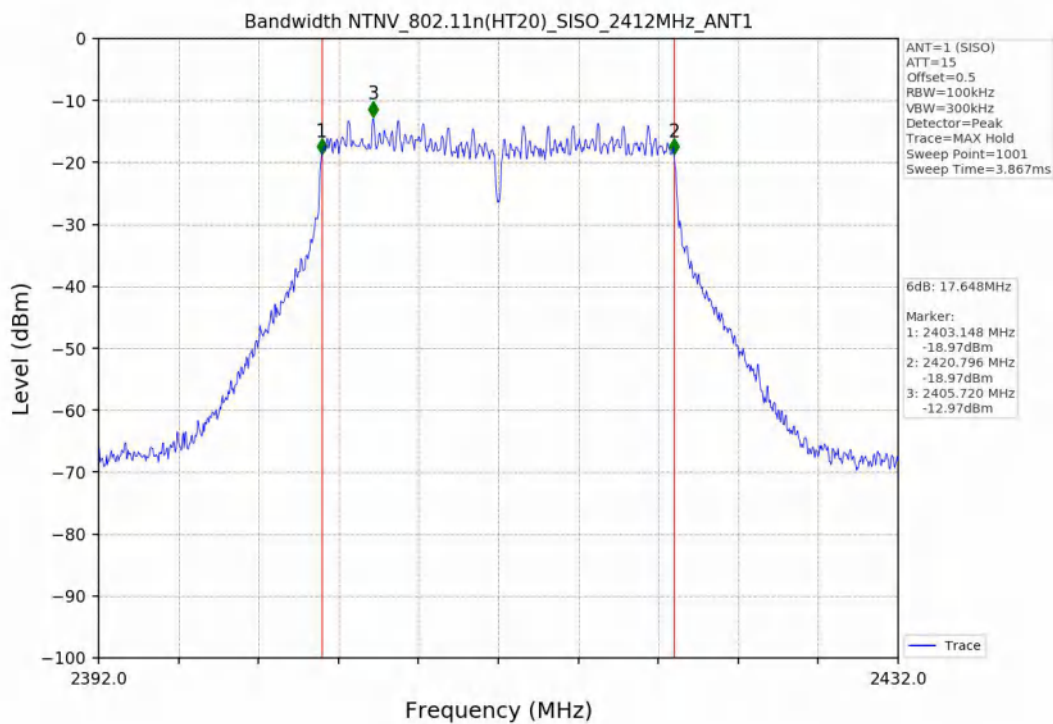
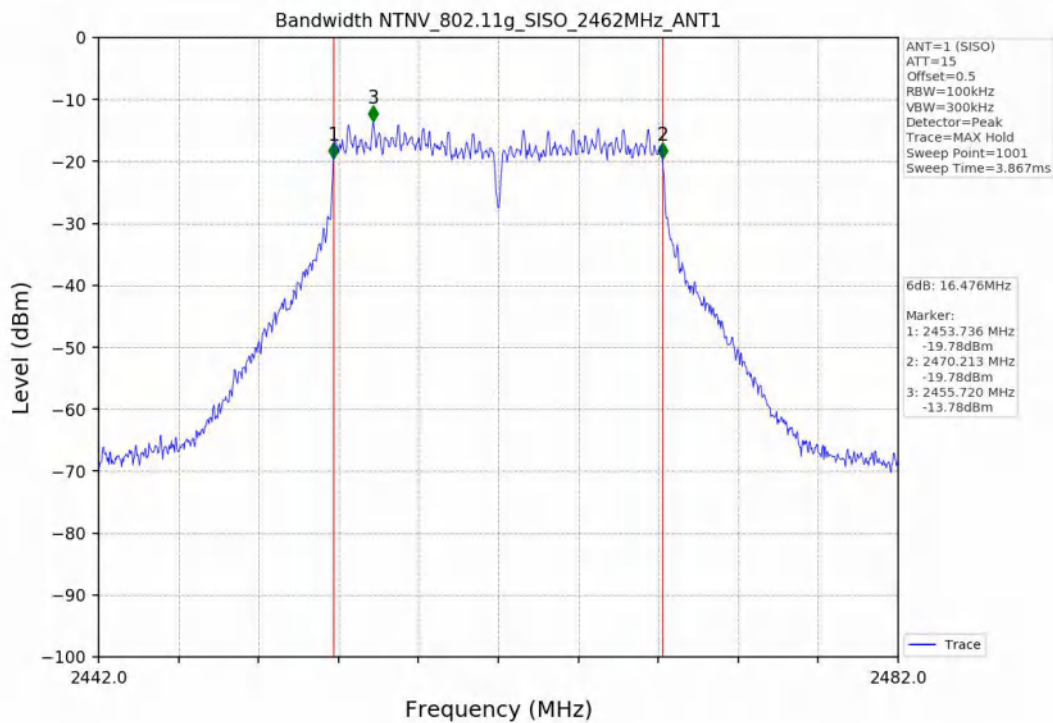
802.11n(HT40)	2437	SISO	1	17.902	Only for Report Use
	2462	SISO	1	17.889	Only for Report Use
	2422	SISO	1	37.300	Only for Report Use
	2437	SISO	1	37.082	Only for Report Use
	2452	SISO	1	37.055	Only for Report Use

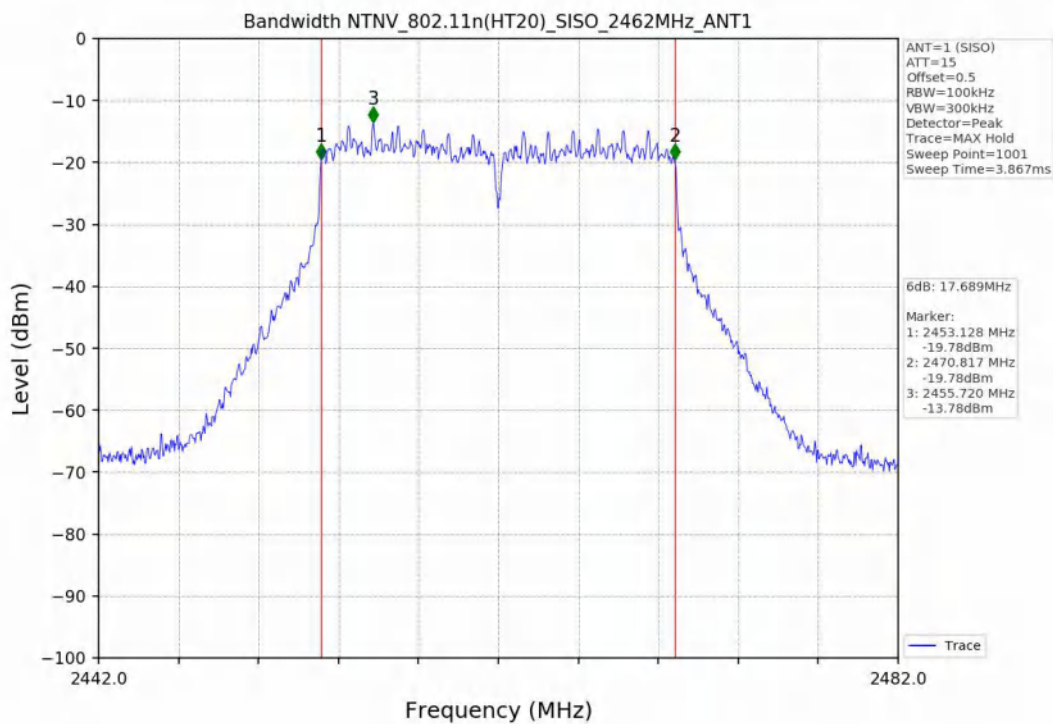
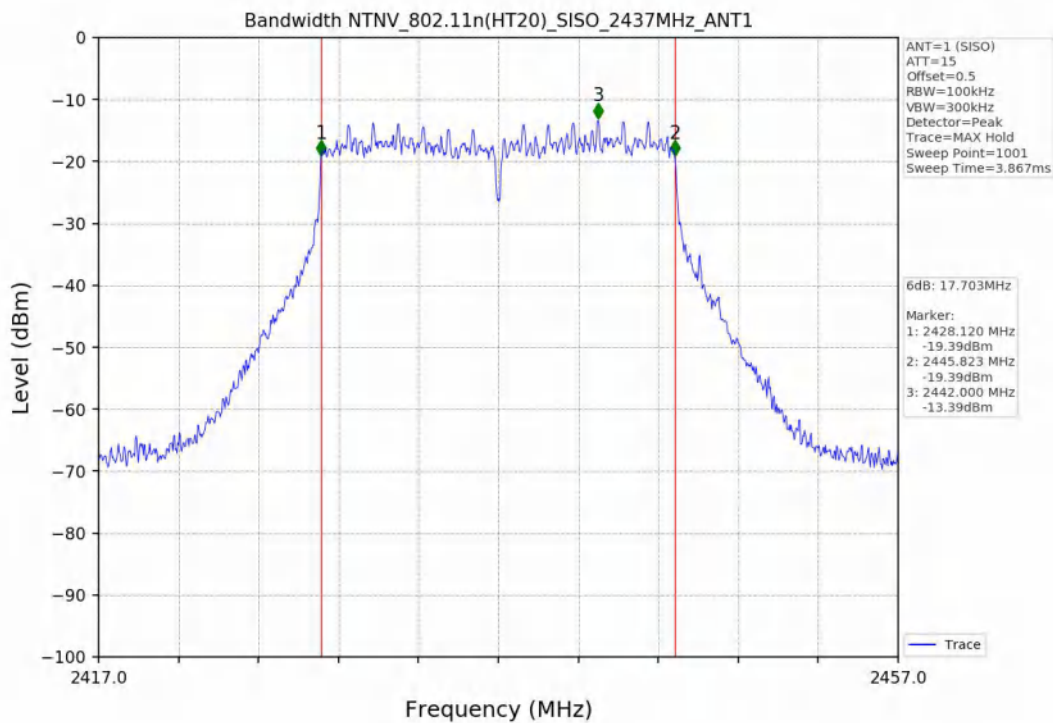
2.2 Test Graph - 6dB Bandwidth

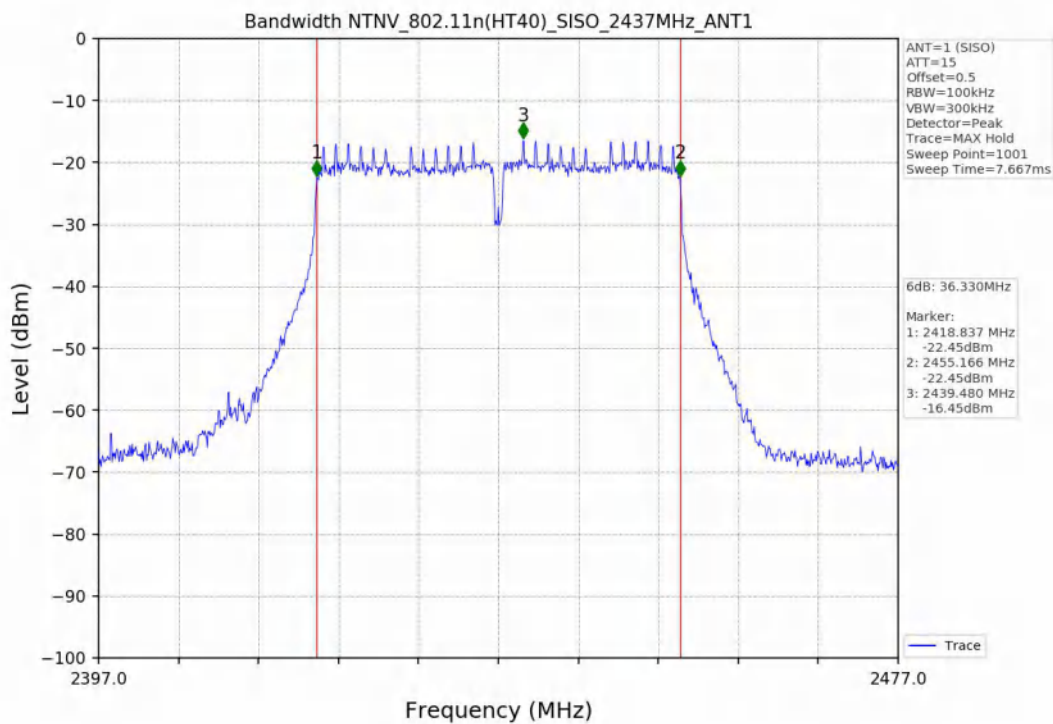
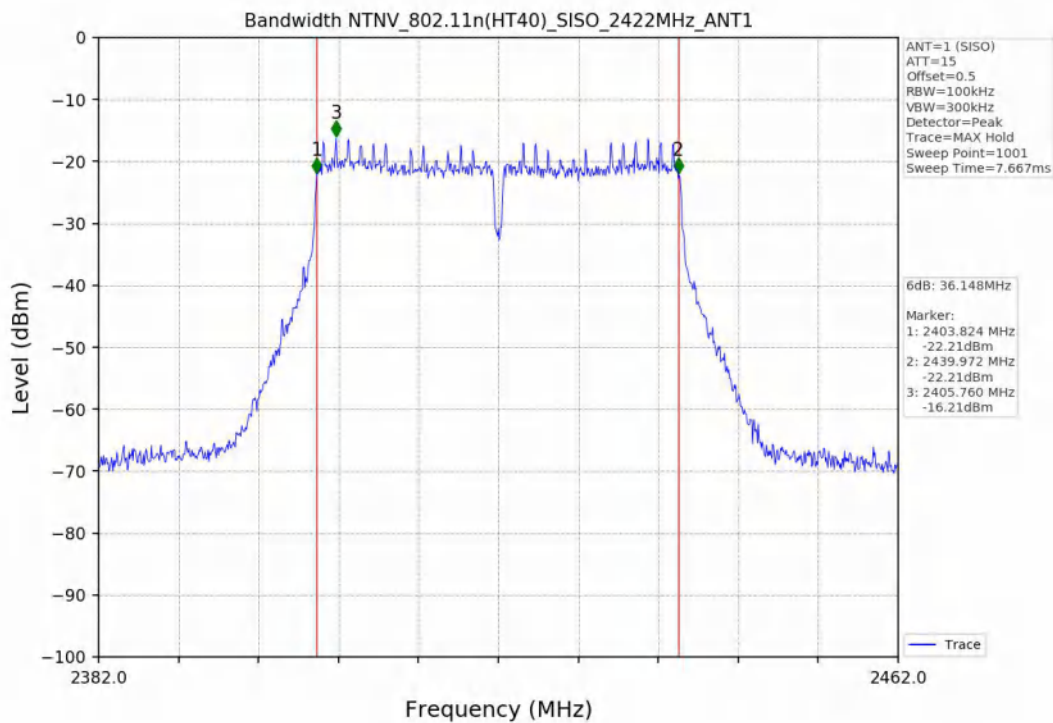


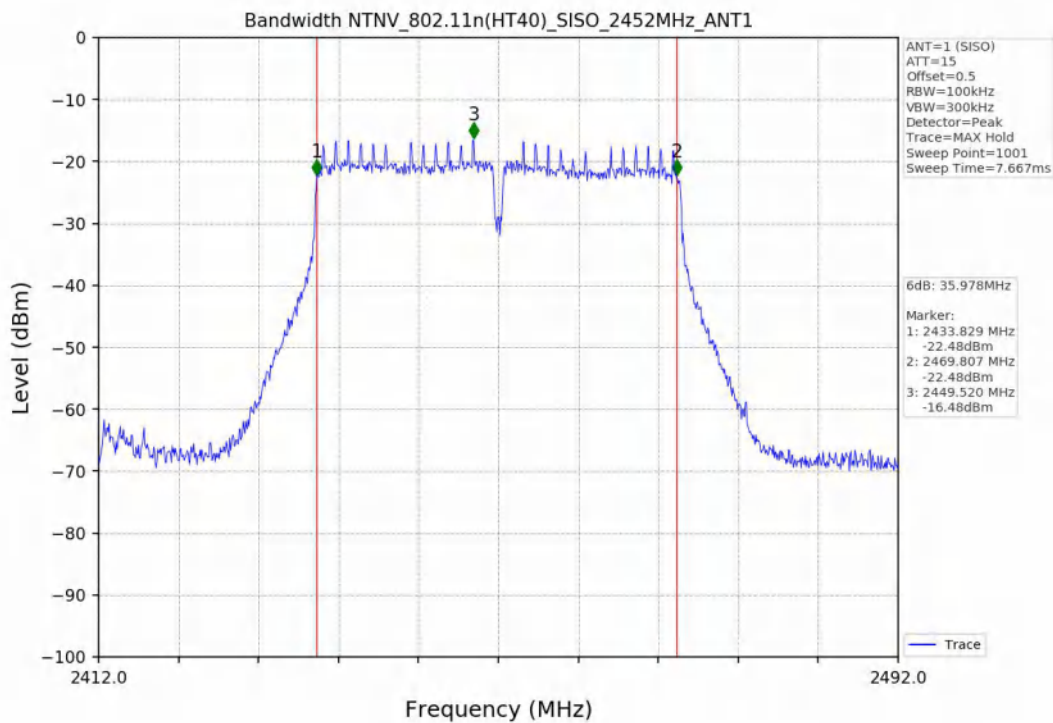




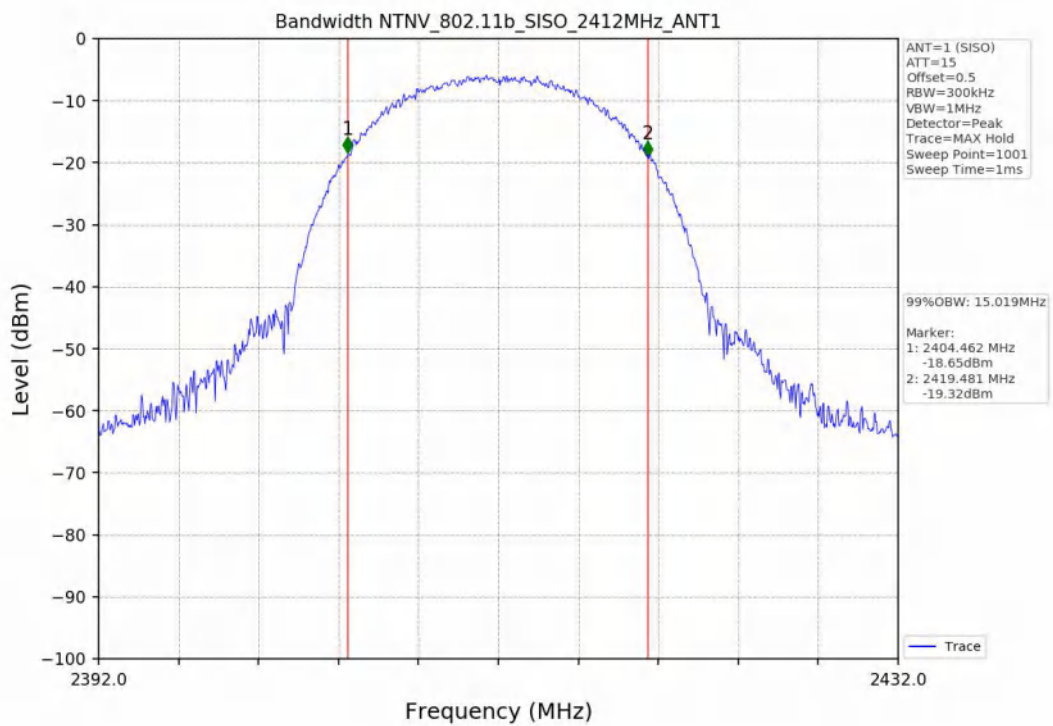


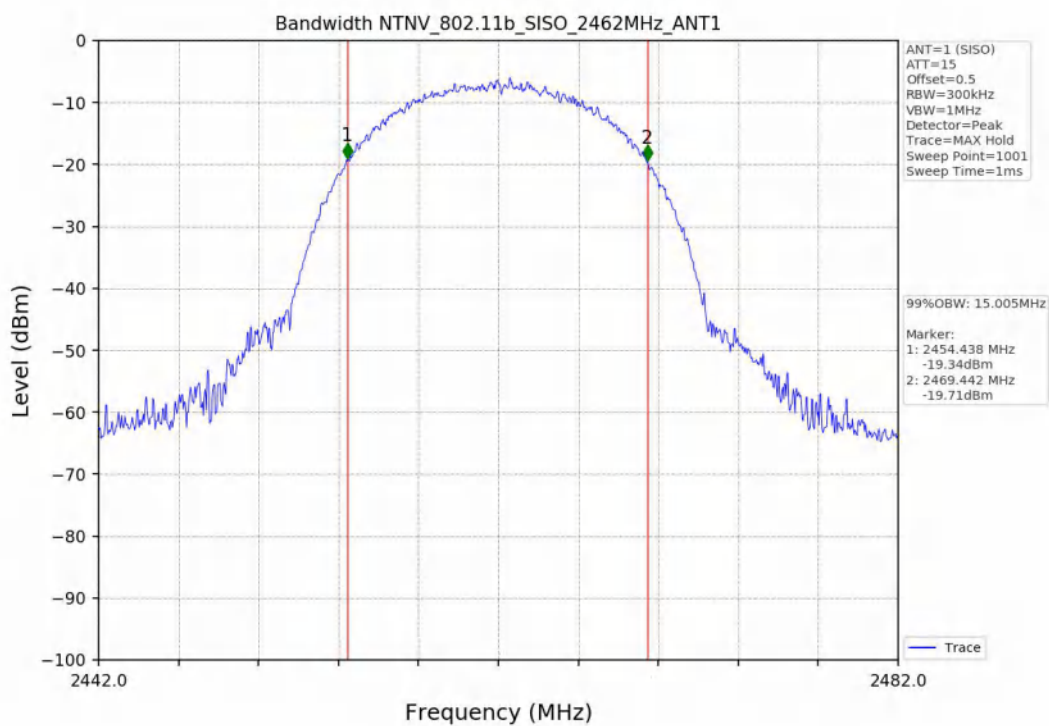
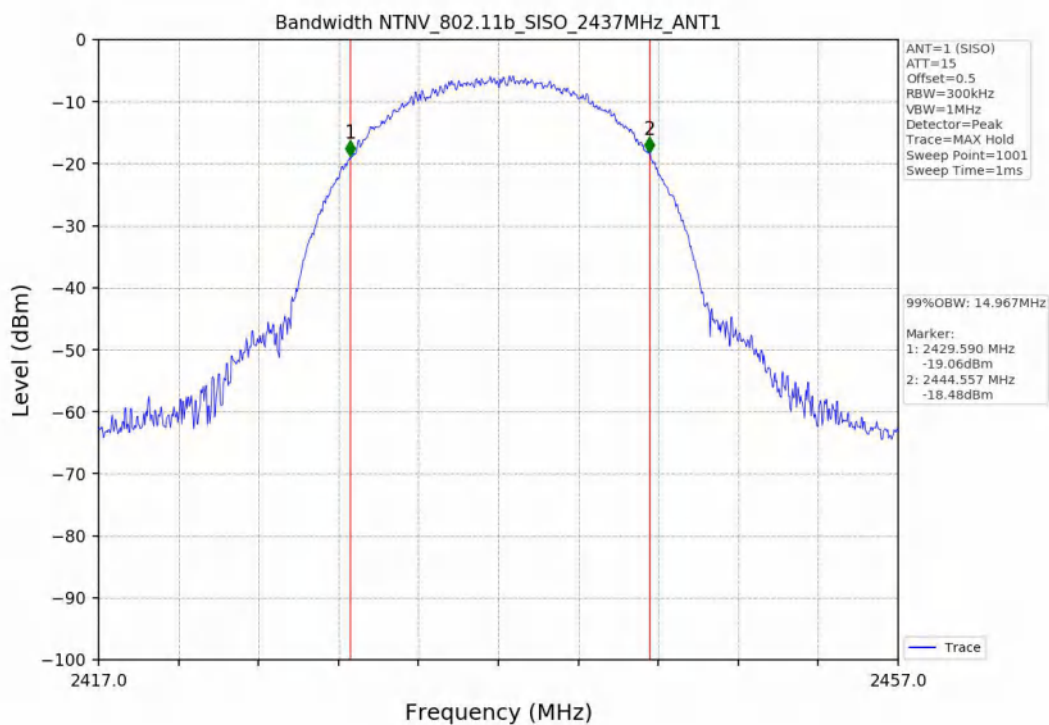


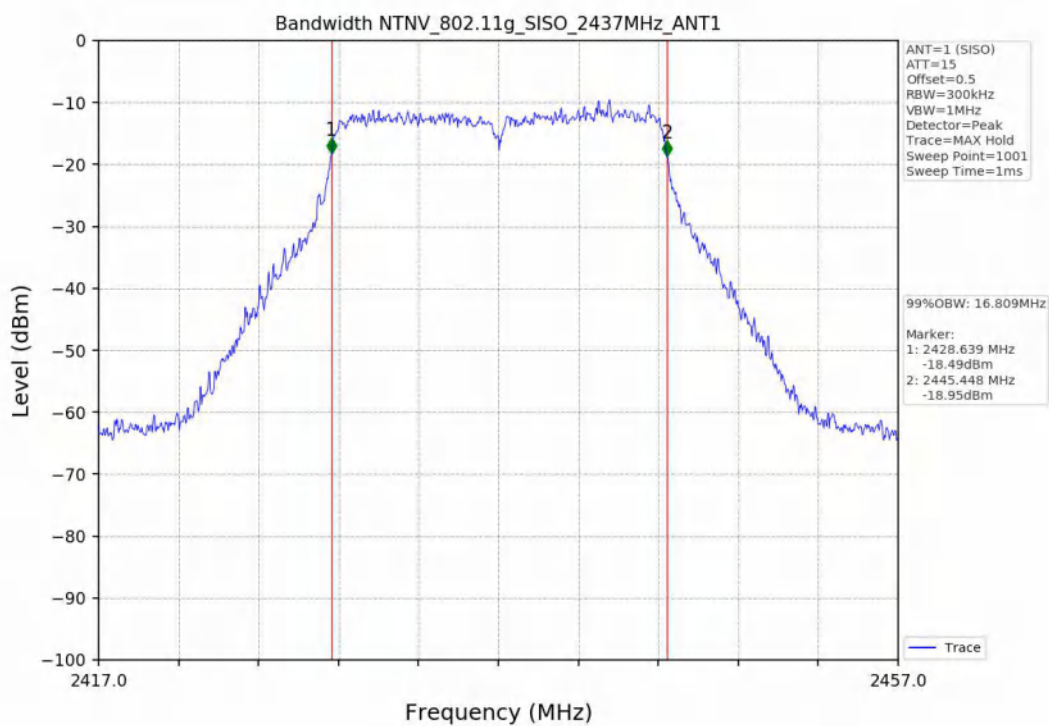
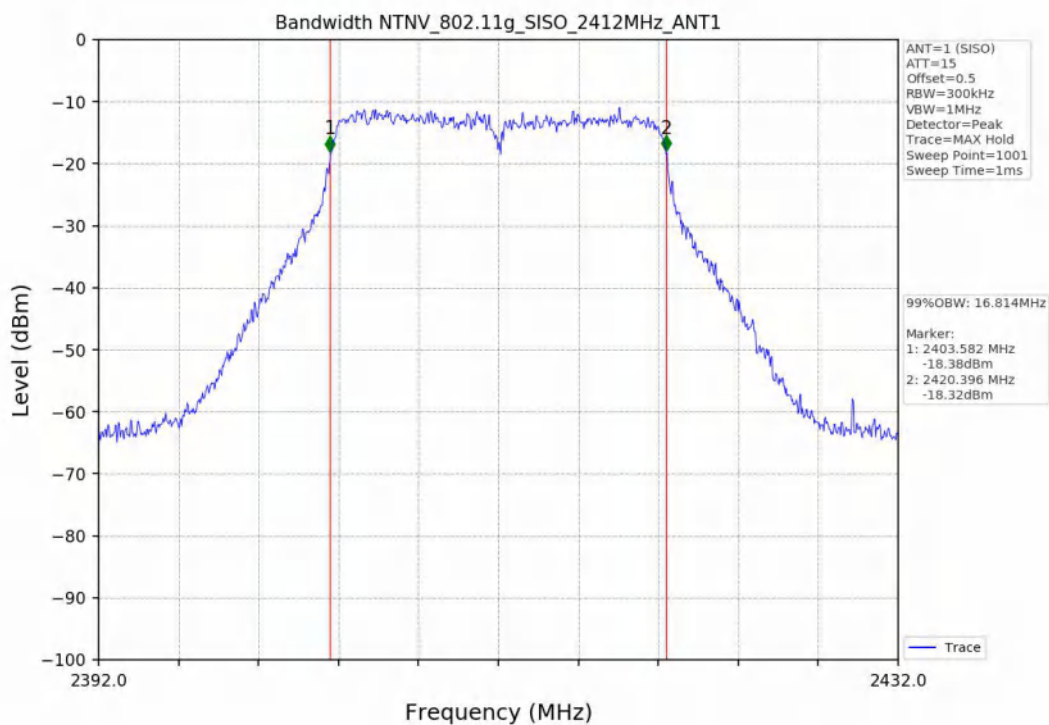


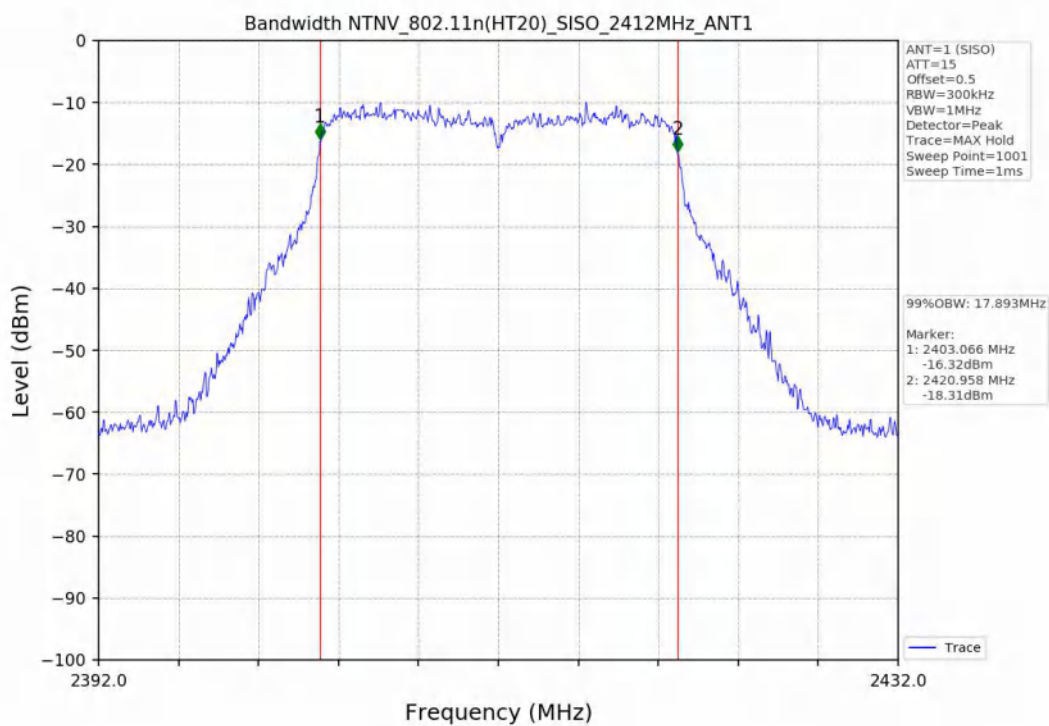
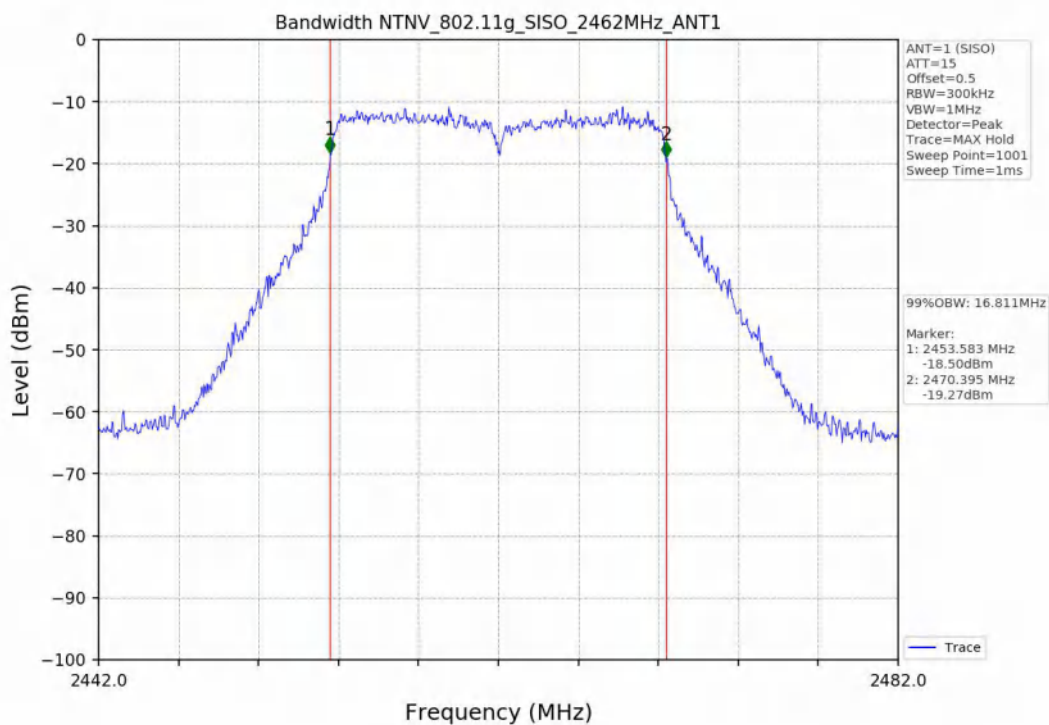


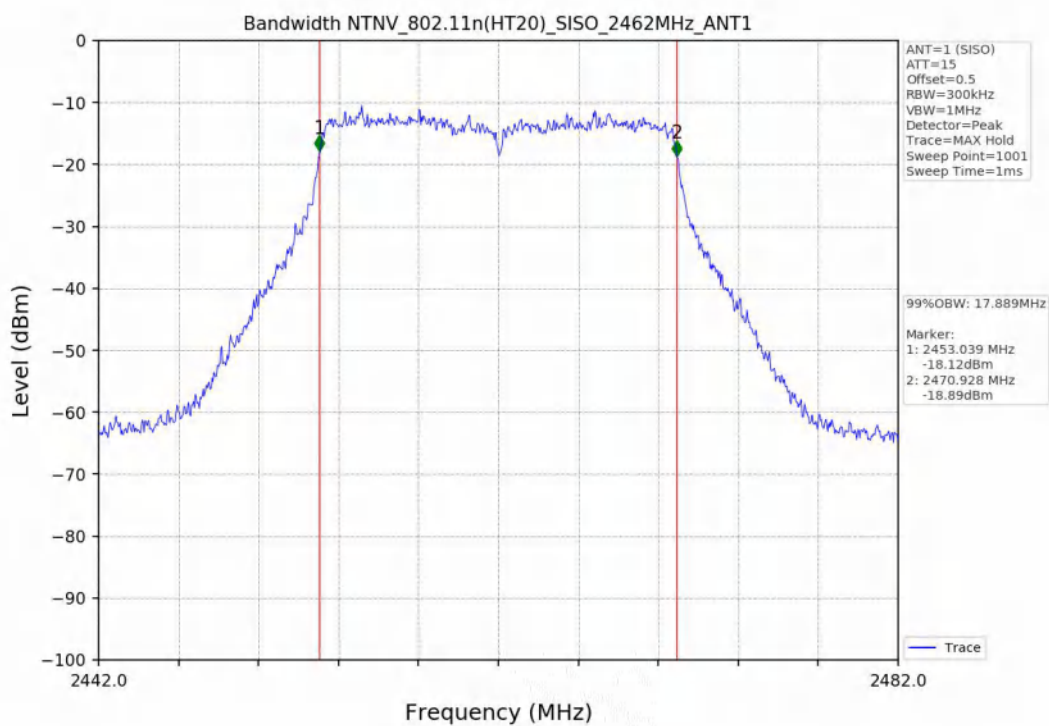
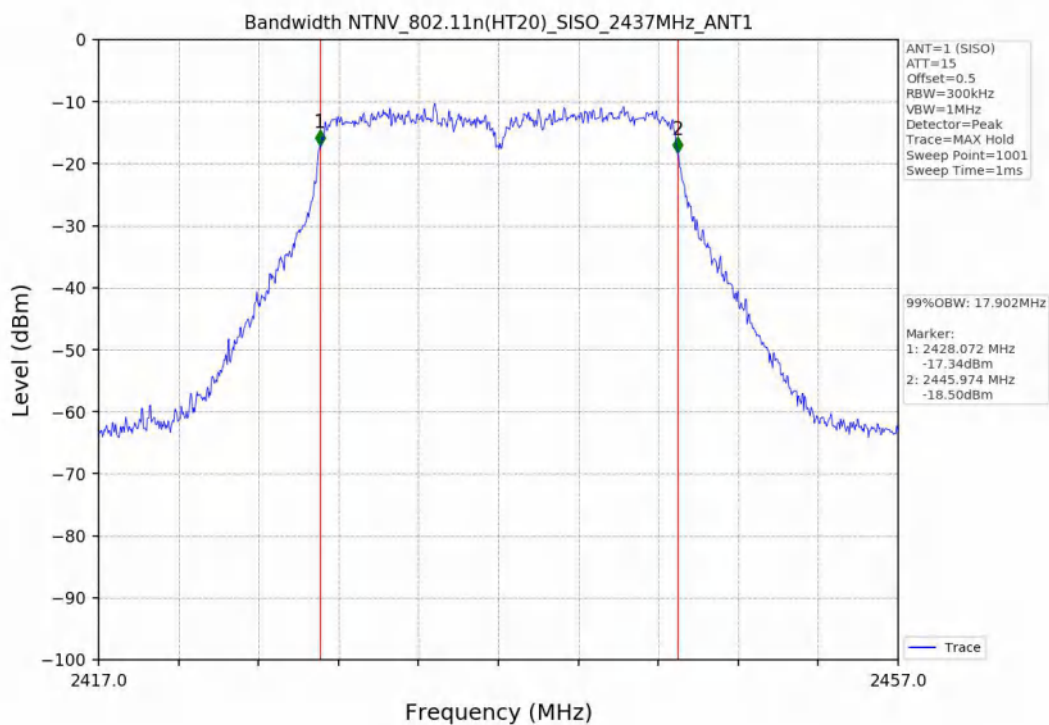
2.3 Test Graph - 99% Occupied Bandwidth

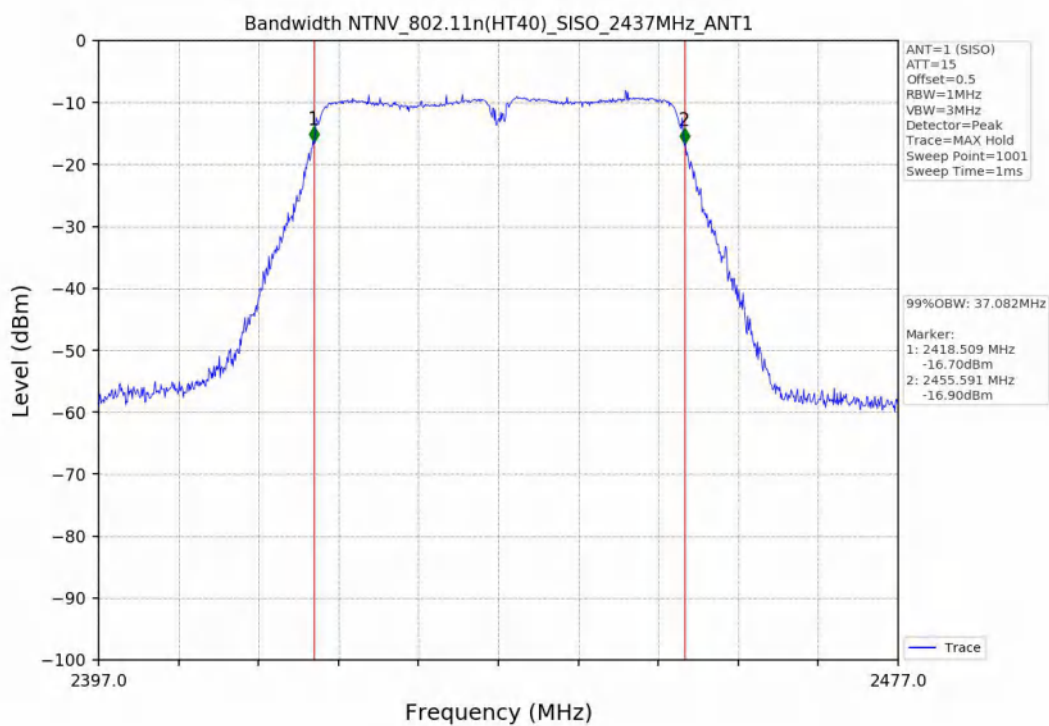
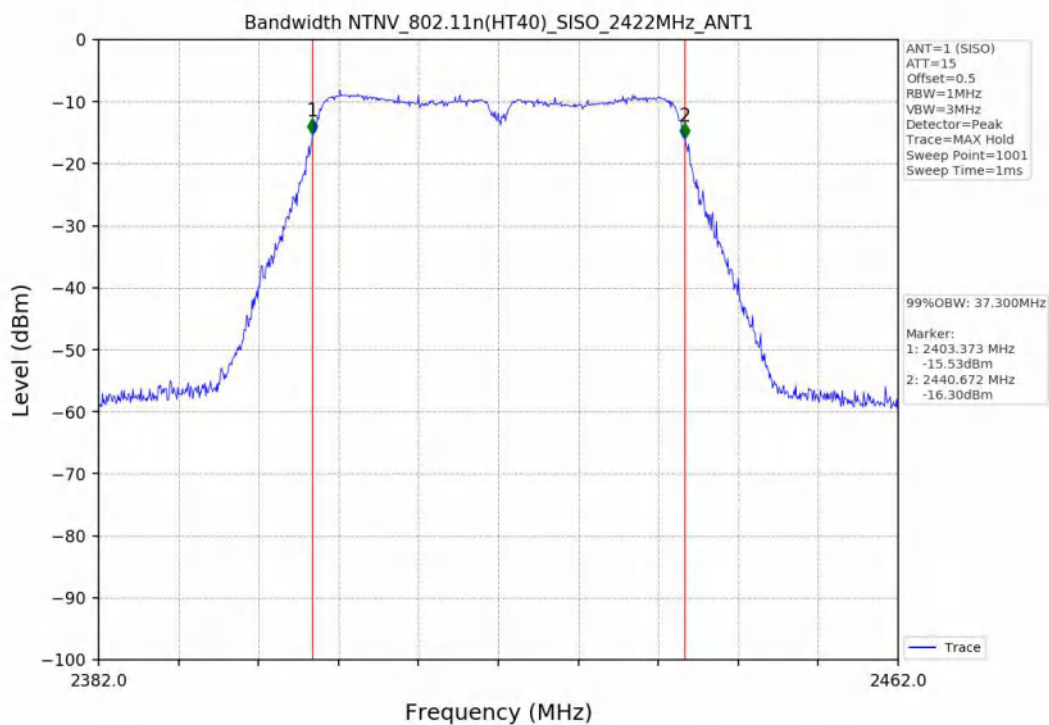


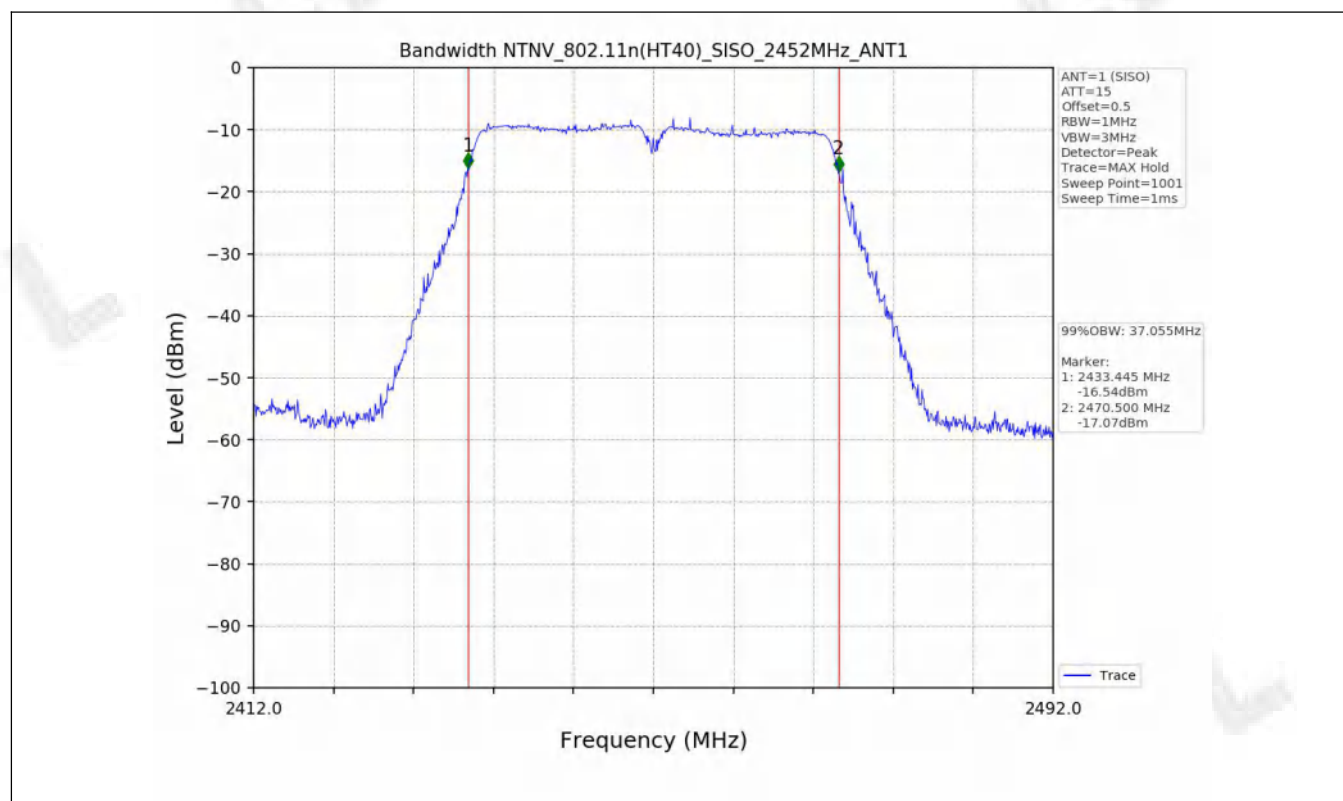










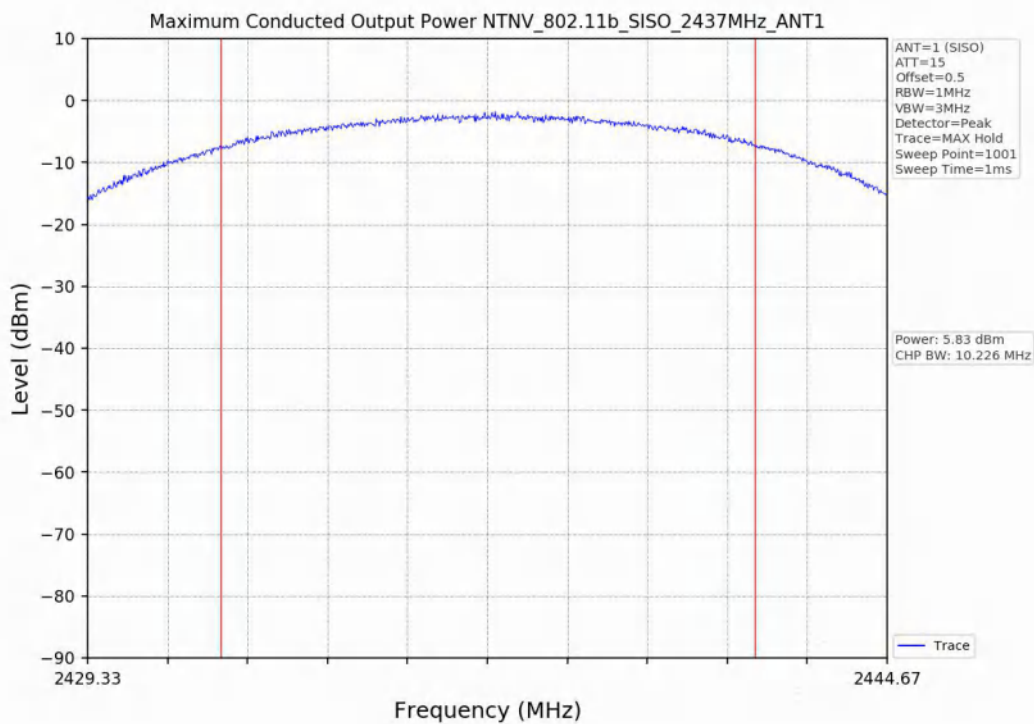
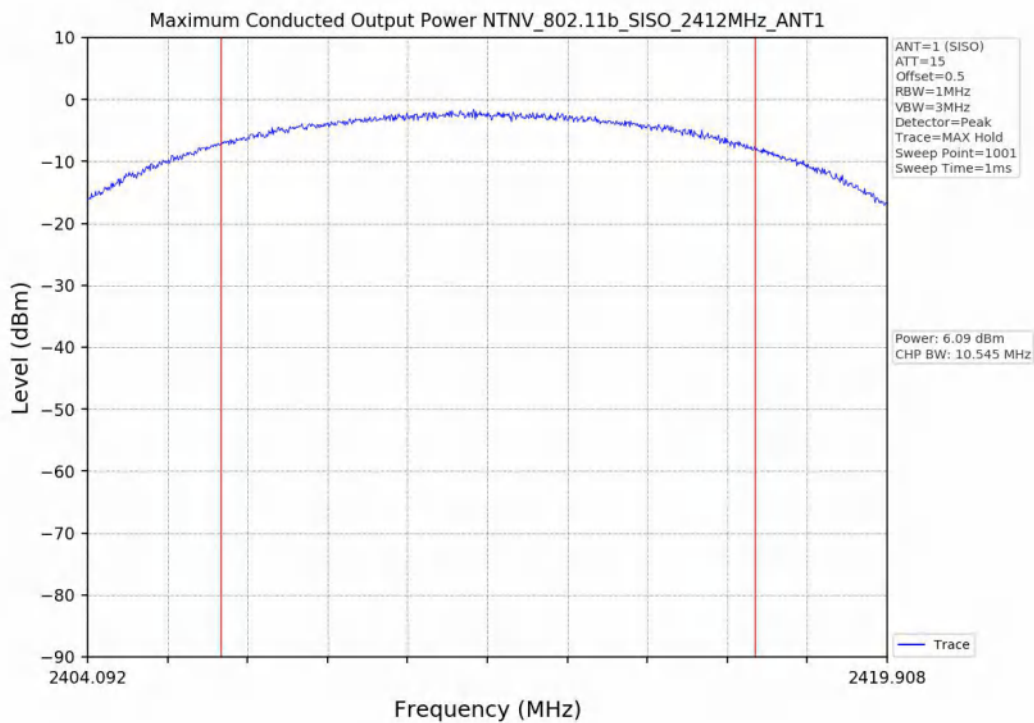


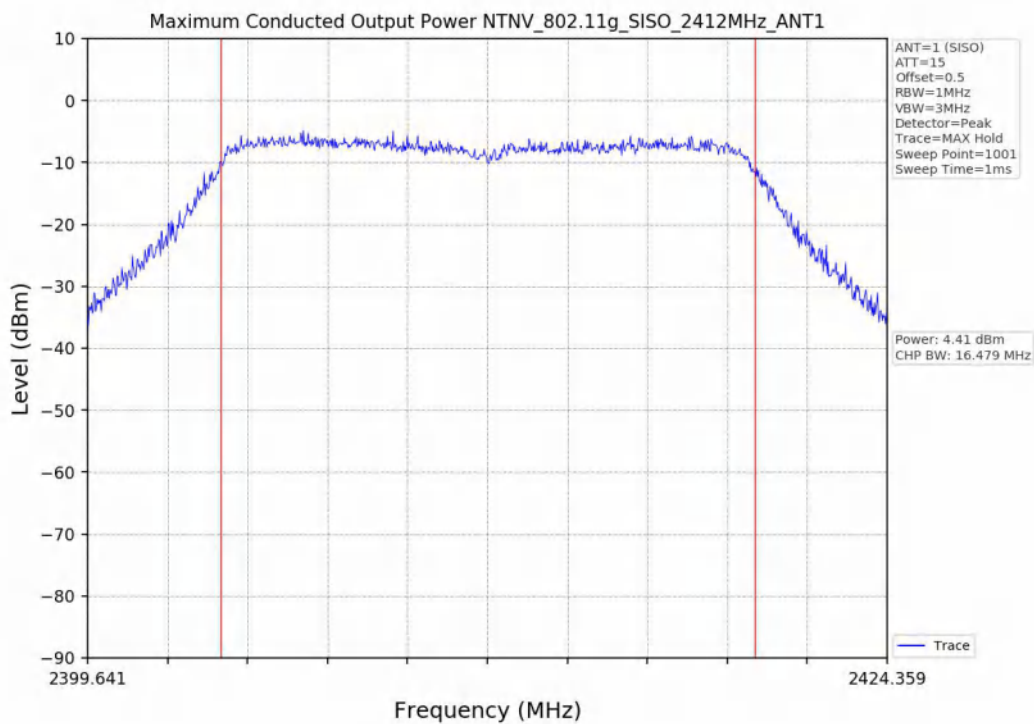
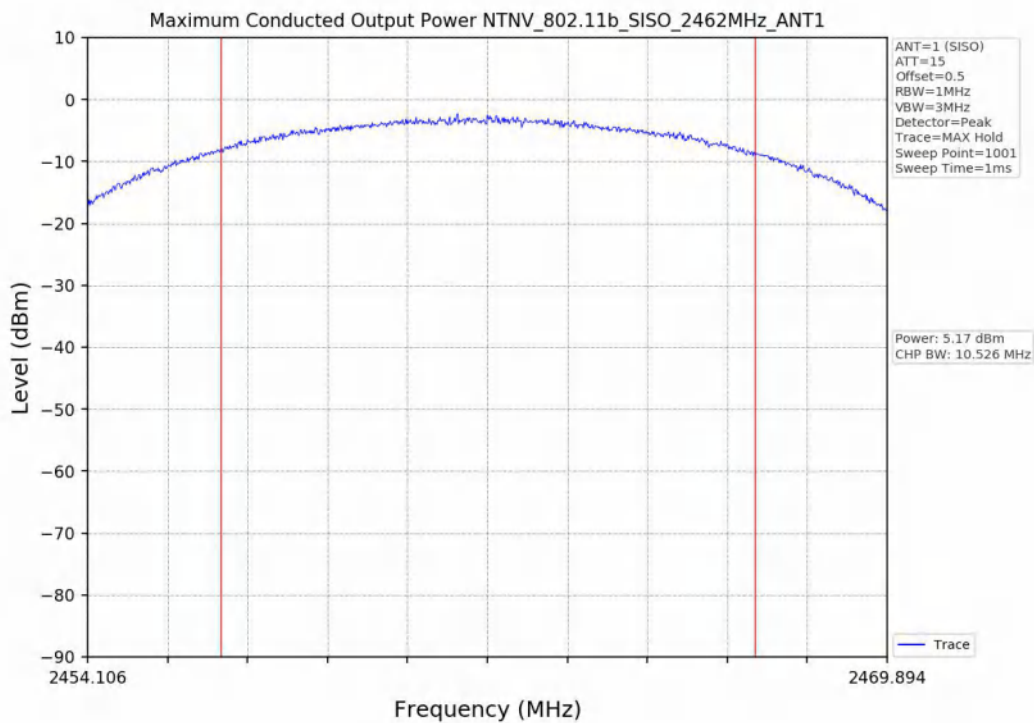
3. Maximum Conducted Output Power

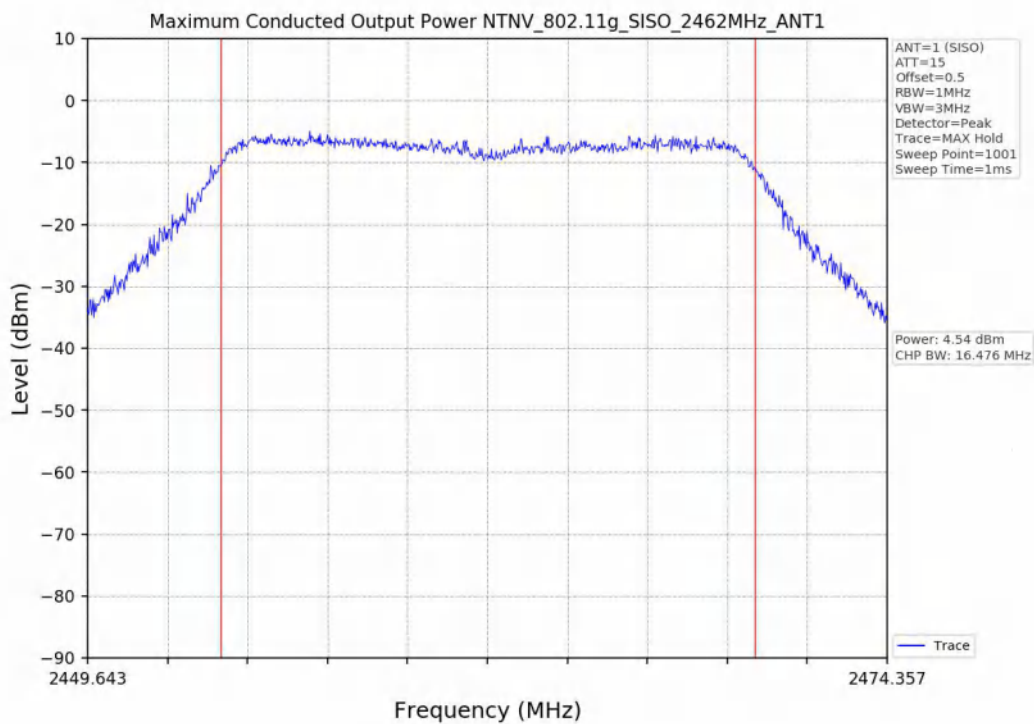
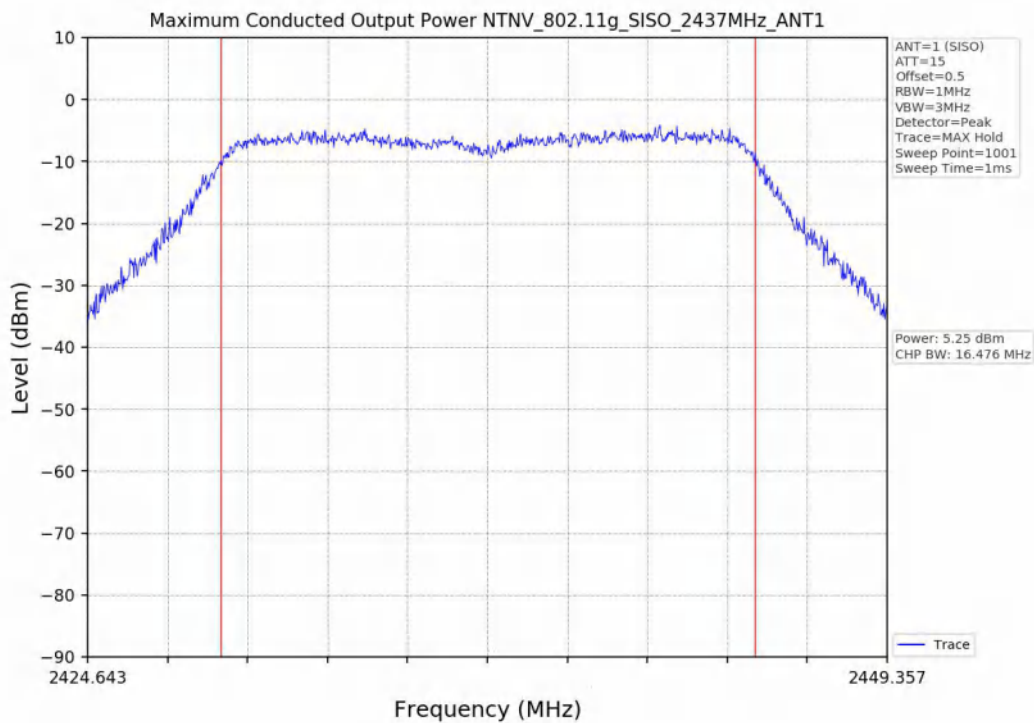
3.1 Test Result

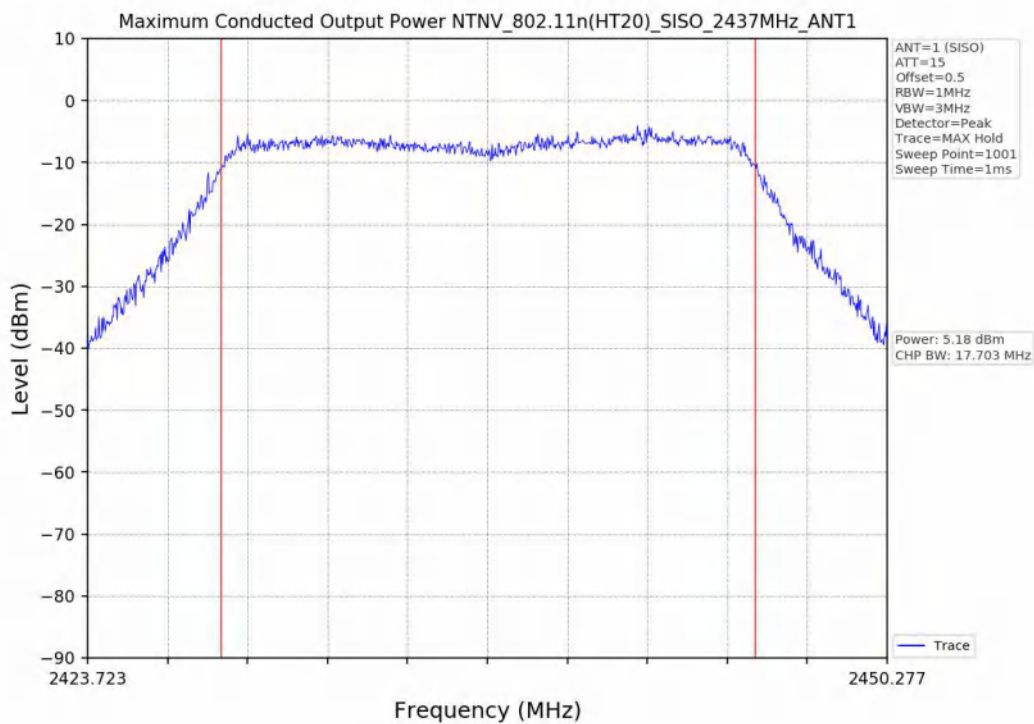
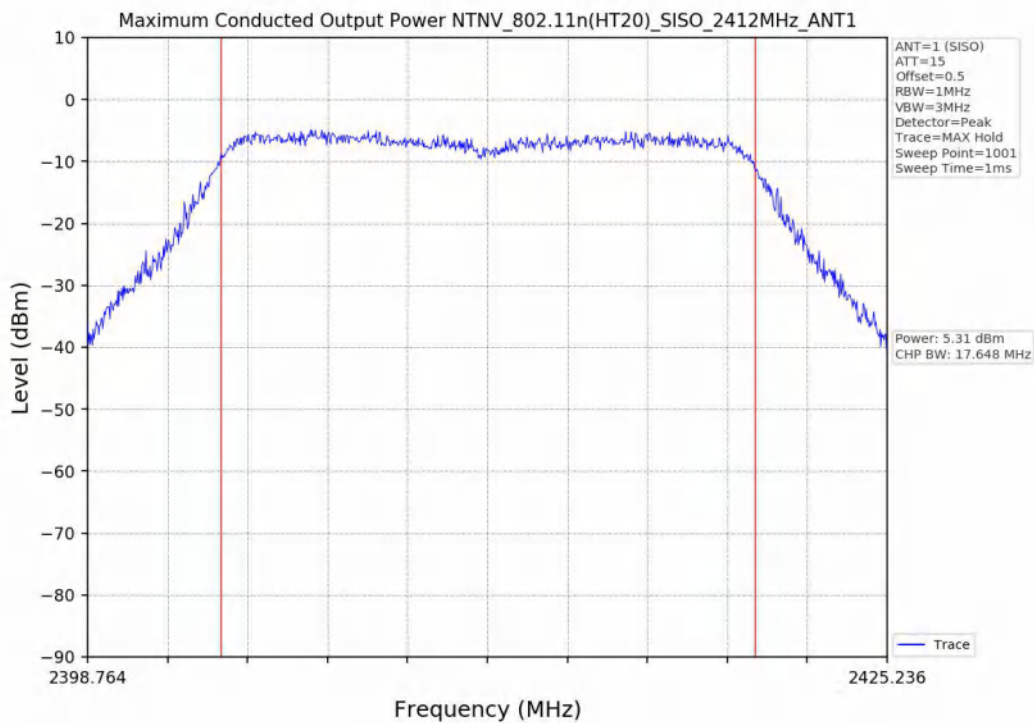
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	6.09	30	PASS
	2437	SISO	5.83	30	PASS
	2462	SISO	5.17	30	PASS
802.11g	2412	SISO	4.41	30	PASS
	2437	SISO	5.25	30	PASS
	2462	SISO	4.54	30	PASS
802.11n(HT20)	2412	SISO	5.31	30	PASS
	2437	SISO	5.18	30	PASS
	2462	SISO	4.50	30	PASS
802.11n(HT40)	2422	SISO	5.17	30	PASS
	2437	SISO	5.19	30	PASS
	2452	SISO	5.05	30	PASS

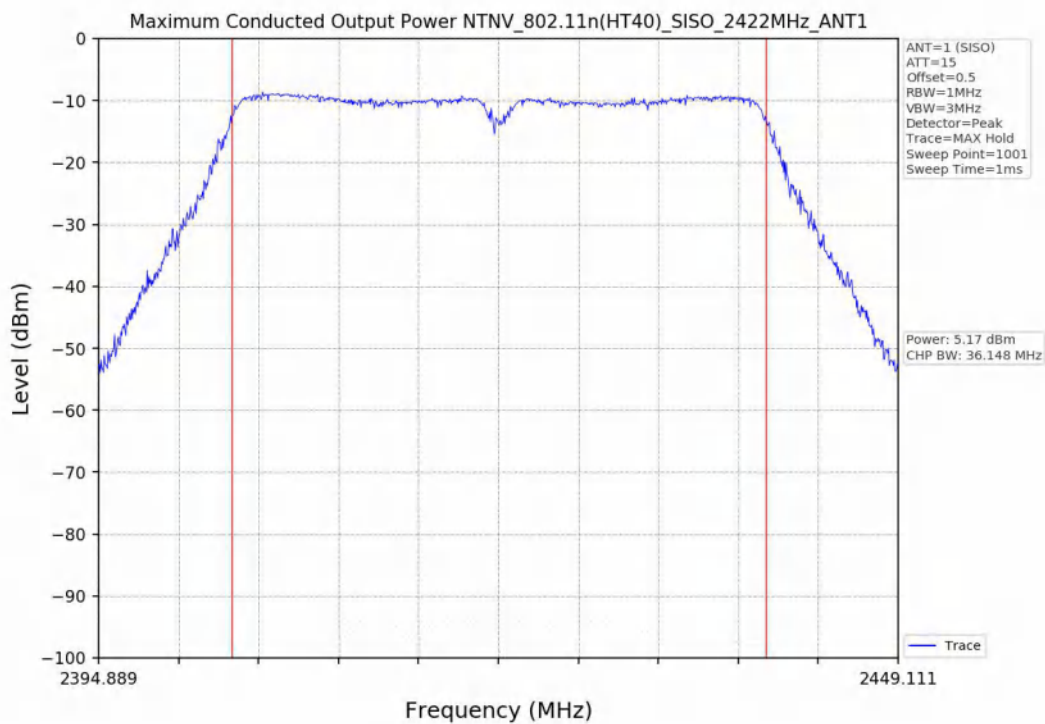
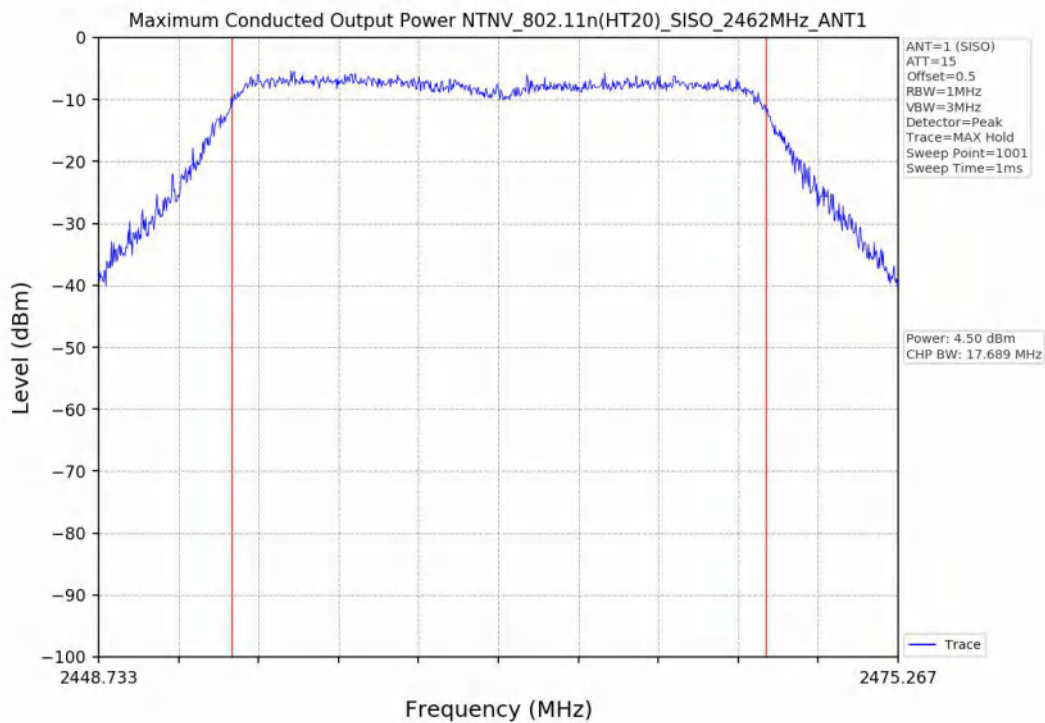
3.2 Test Graph

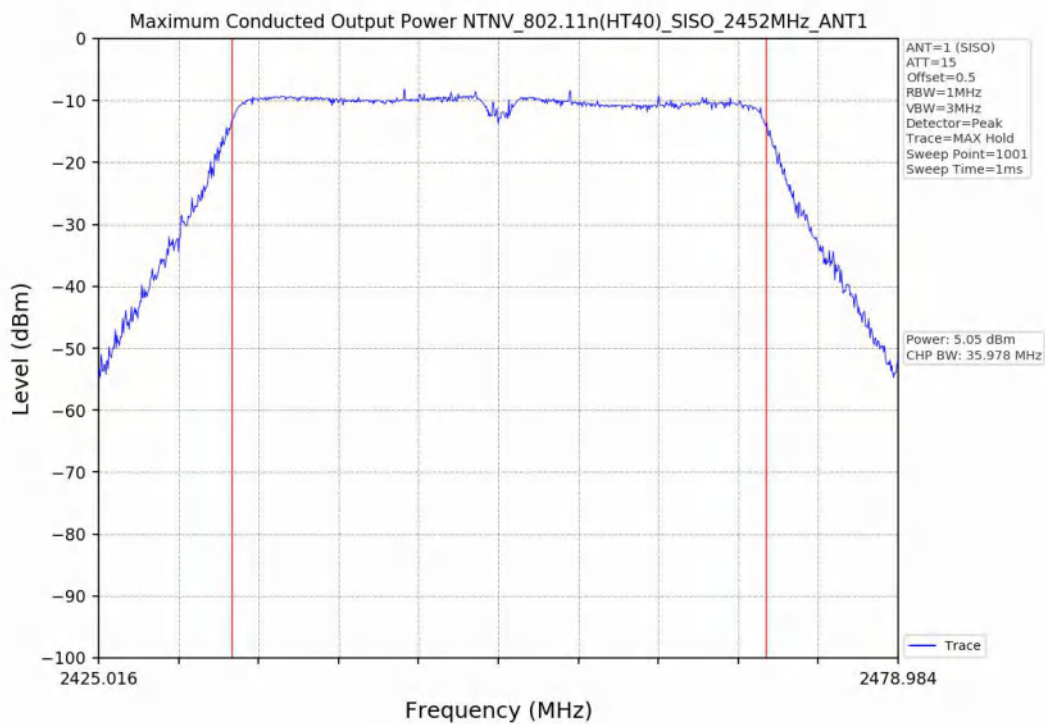
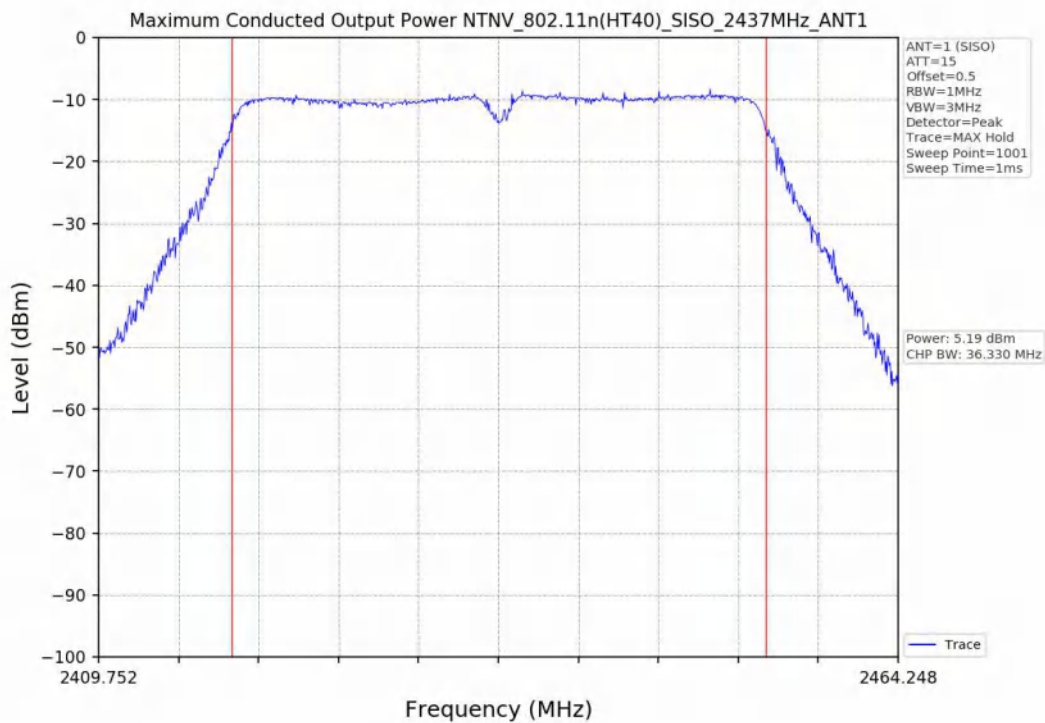










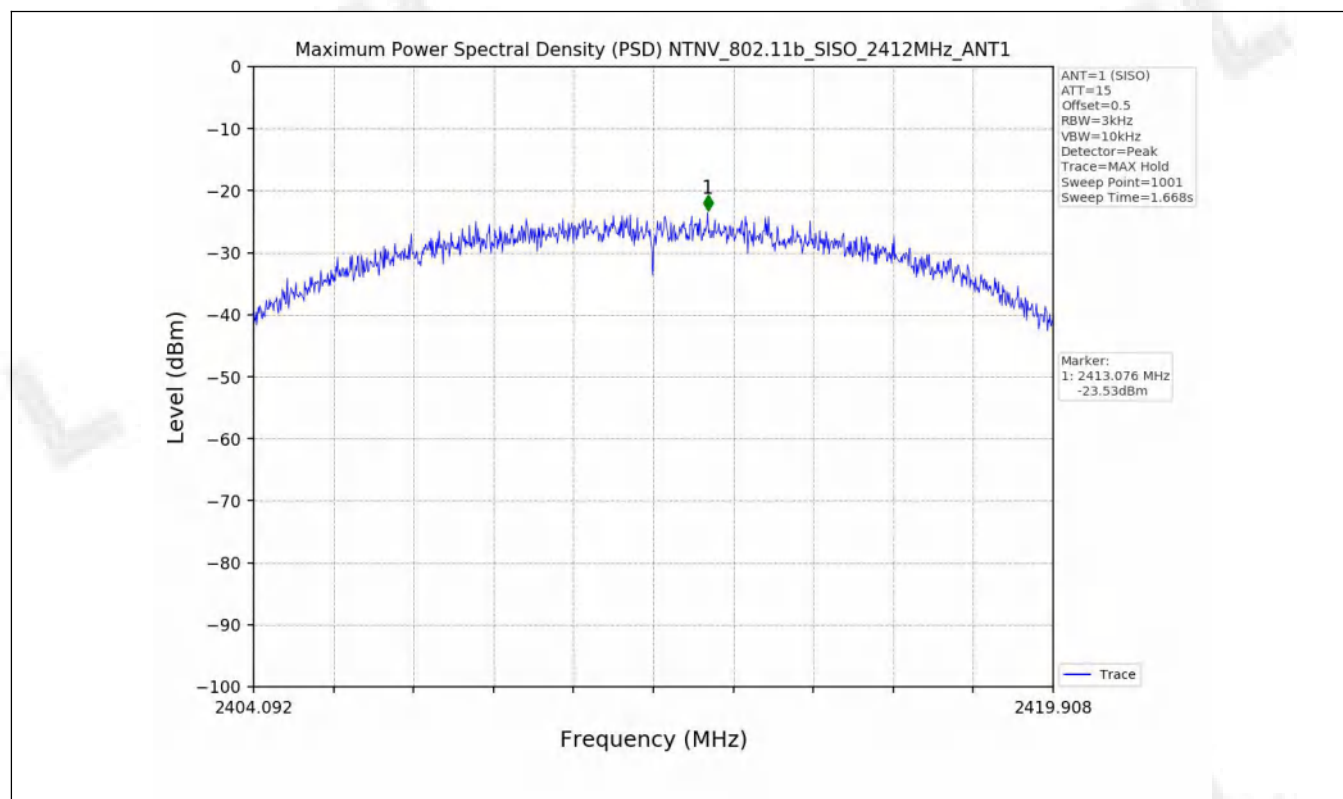


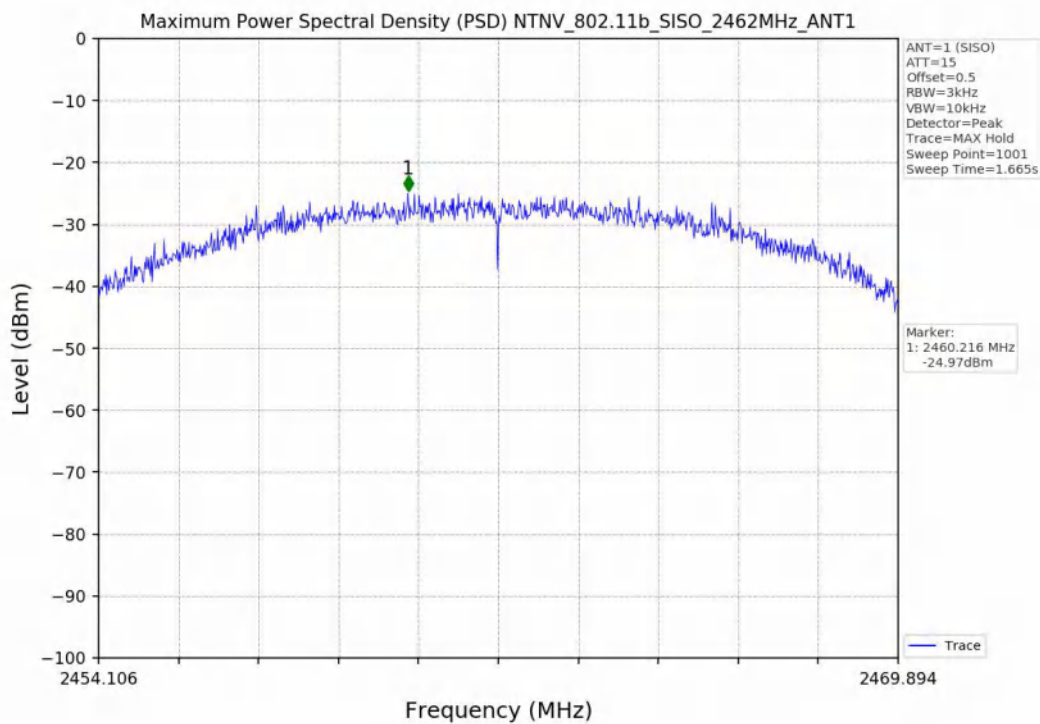
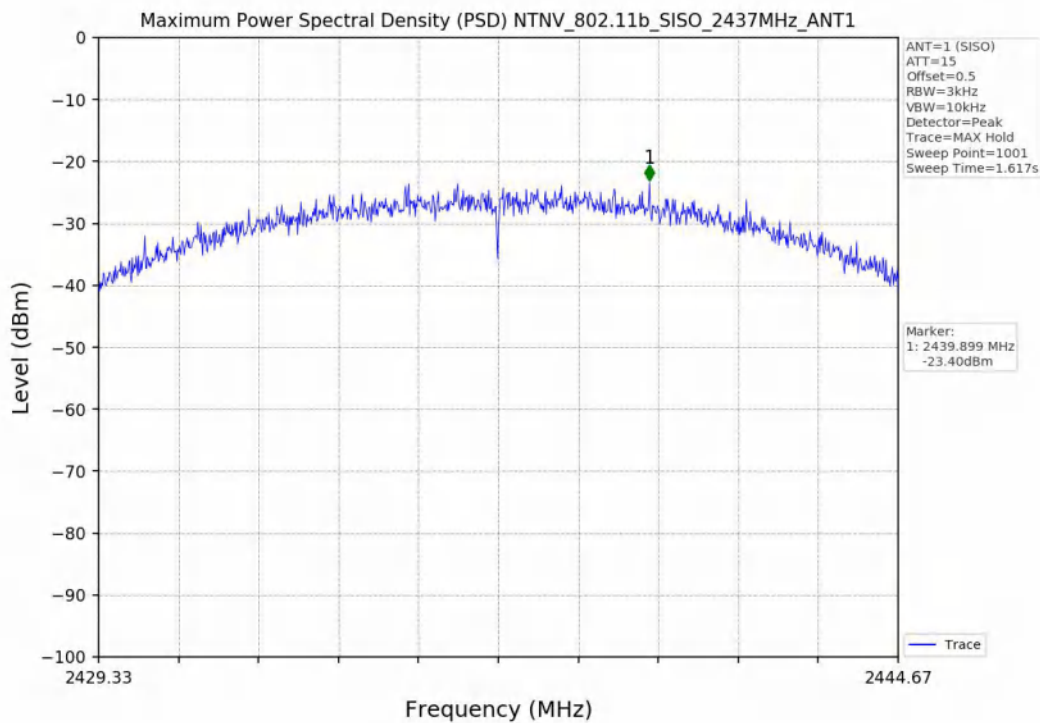
4. Maximum Power Spectral Density (PSD)

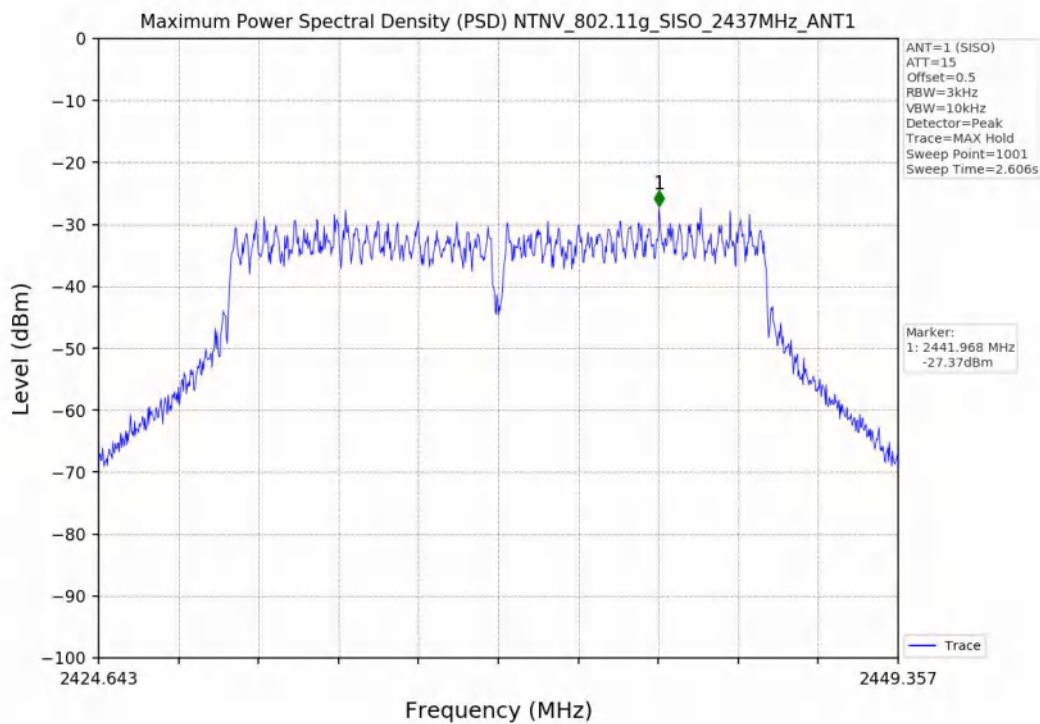
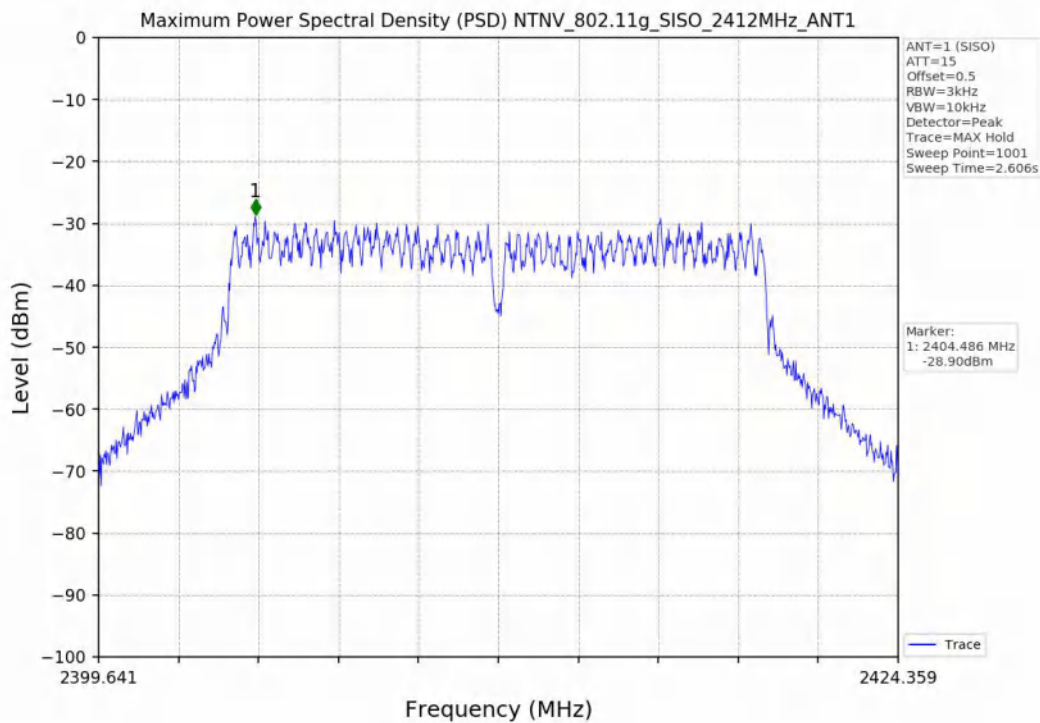
4.1 Test Result

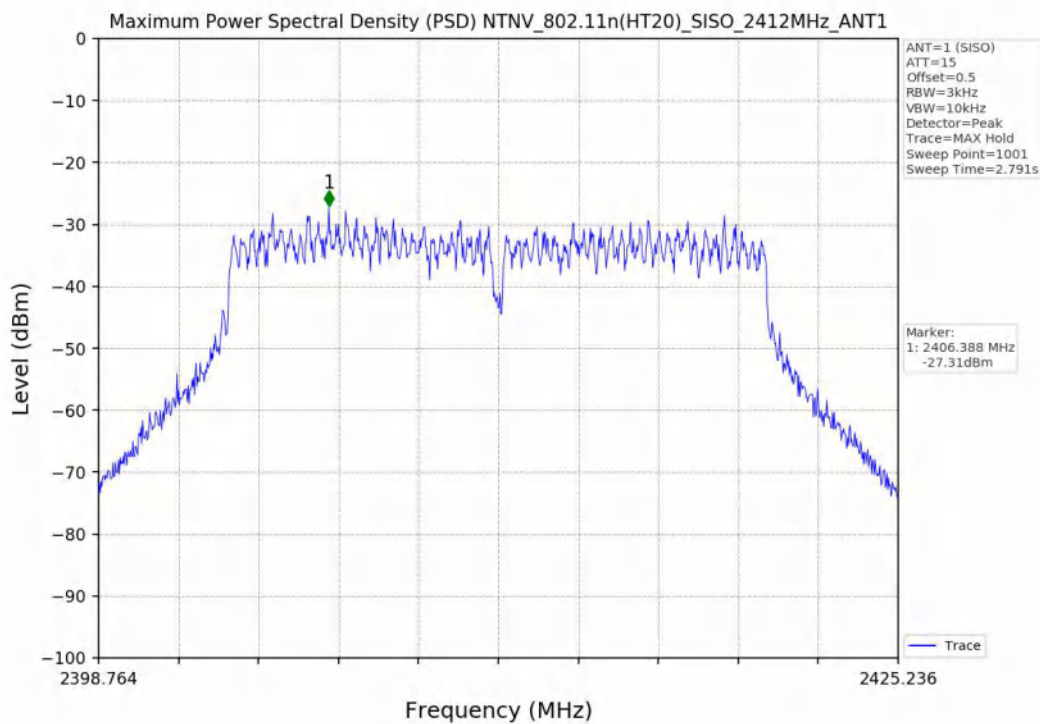
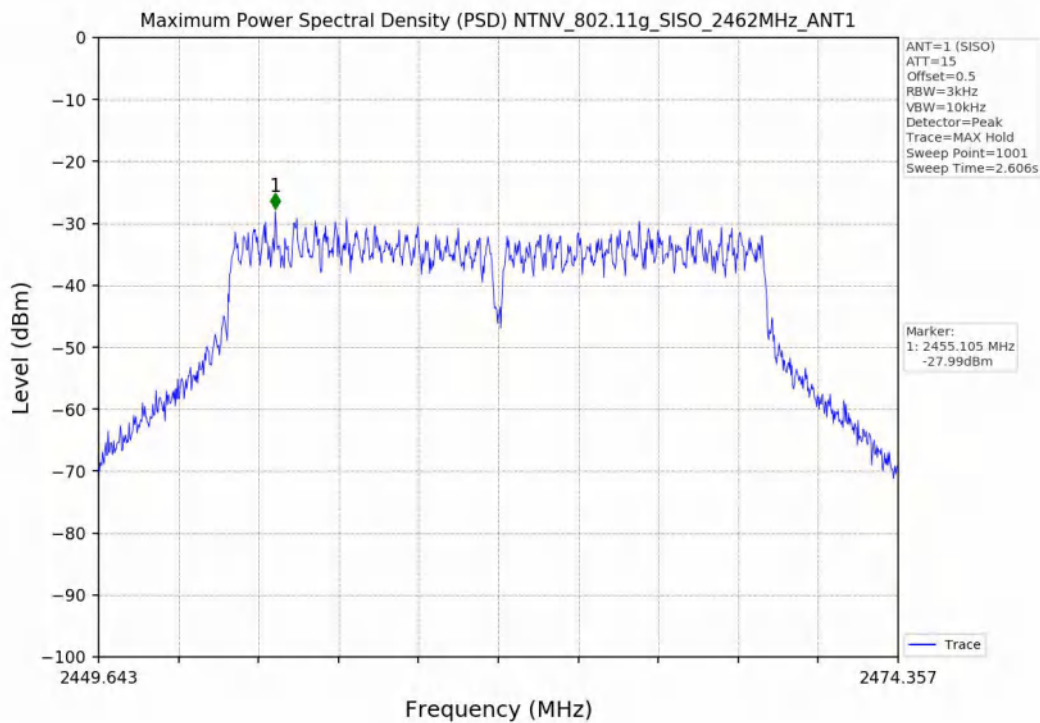
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-23.53	≤8	PASS
	2437	SISO	-23.40	≤8	PASS
	2462	SISO	-24.97	≤8	PASS
802.11g	2412	SISO	-28.90	≤8	PASS
	2437	SISO	-27.37	≤8	PASS
	2462	SISO	-27.99	≤8	PASS
802.11n(HT20)	2412	SISO	-27.31	≤8	PASS
	2437	SISO	-27.60	≤8	PASS
	2462	SISO	-28.53	≤8	PASS
802.11n(HT40)	2422	SISO	-29.83	≤8	PASS
	2437	SISO	-30.51	≤8	PASS
	2452	SISO	-30.12	≤8	PASS

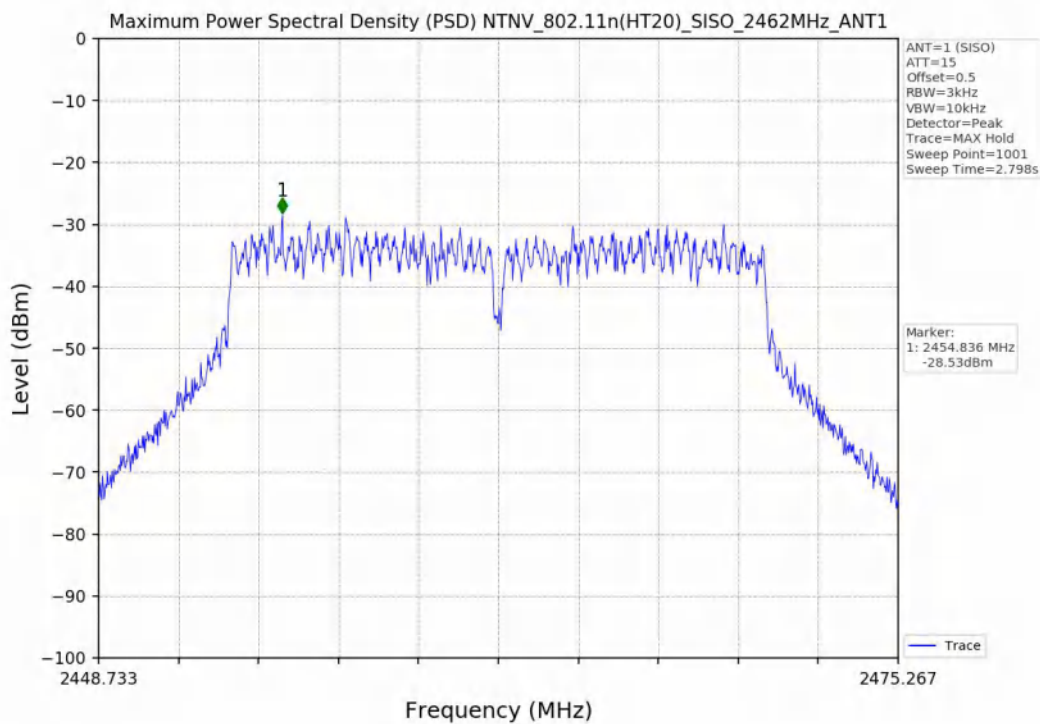
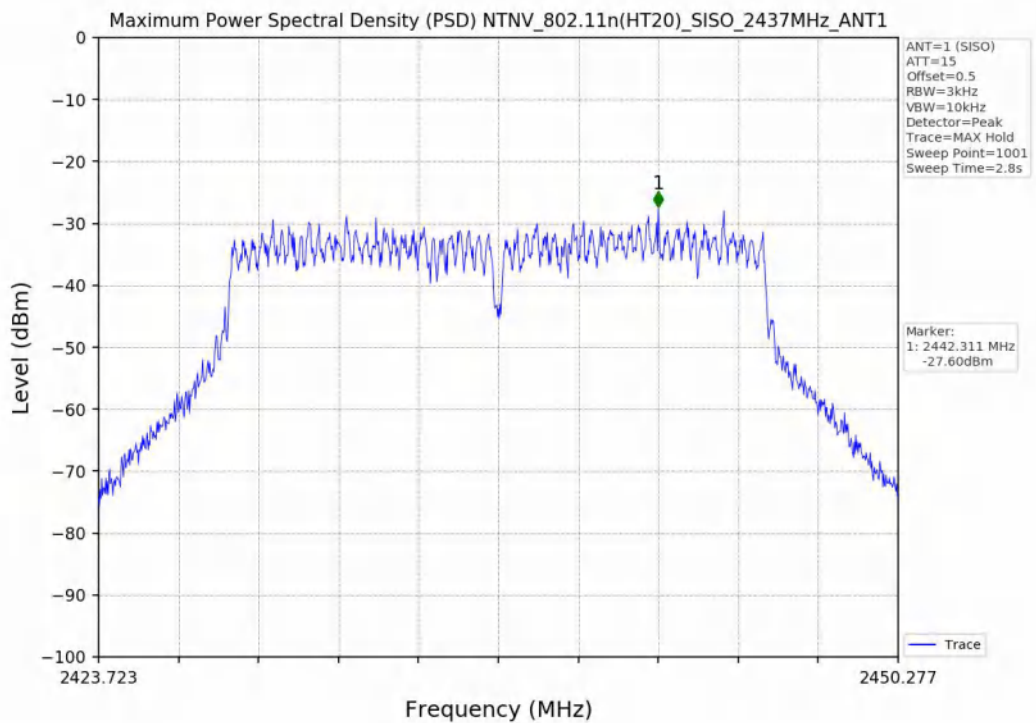
4.2 Test Graph

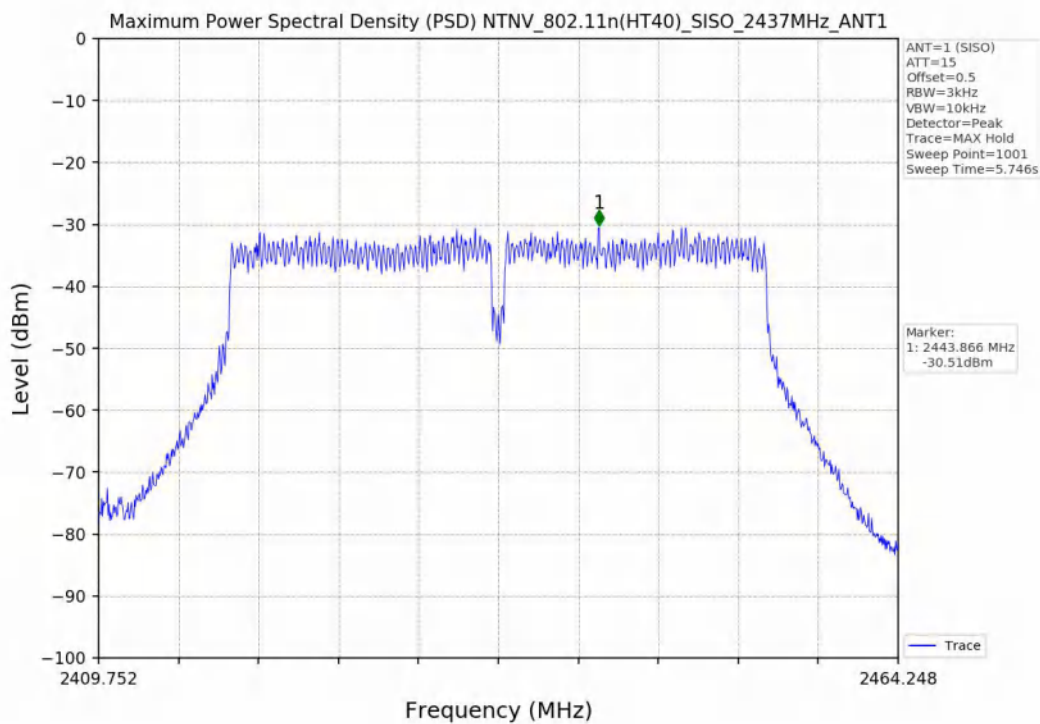
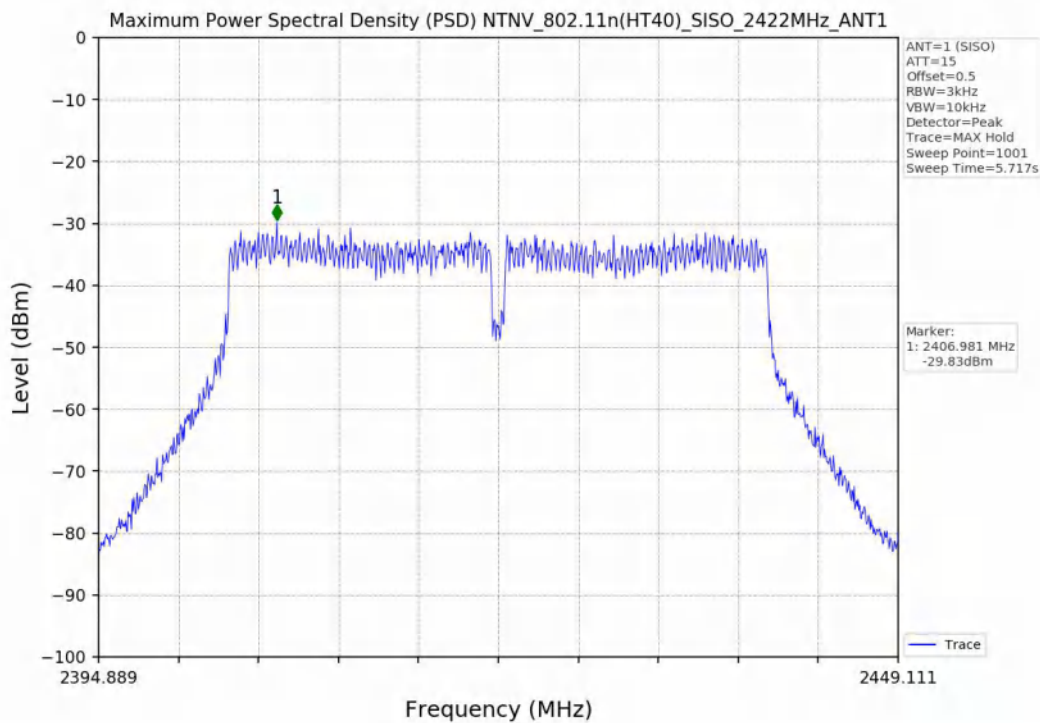


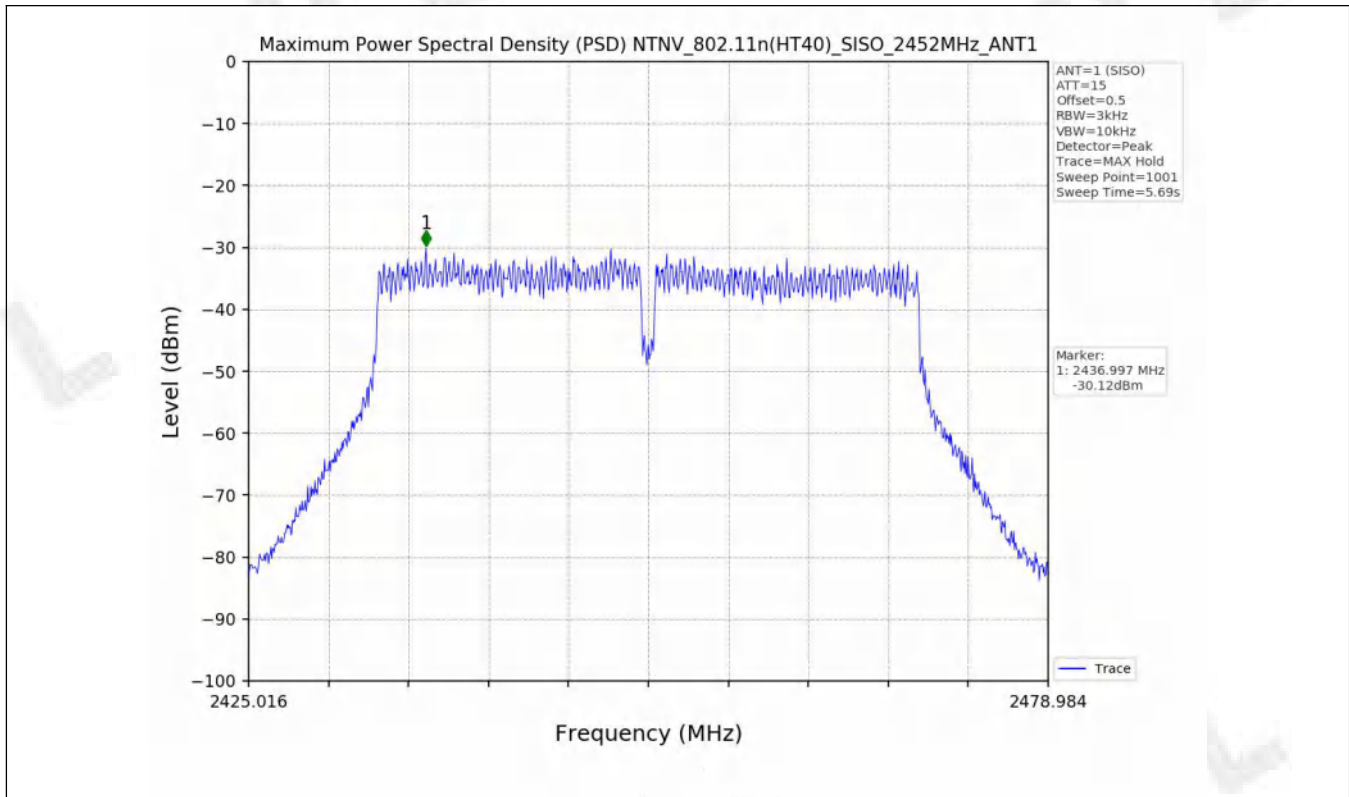












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-28.52	PASS
	2437	SISO	1	Refer to test graph	-28.52	PASS
	2462	SISO	1	Refer to test graph	-28.52	PASS
802.11g	2412	SISO	1	Refer to test graph	-33.46	PASS
	2437	SISO	1	Refer to test graph	-33.46	PASS
	2462	SISO	1	Refer to test graph	-33.46	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-32.92	PASS
	2437	SISO	1	Refer to test graph	-32.92	PASS
	2462	SISO	1	Refer to test graph	-32.92	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-36.18	PASS
	2437	SISO	1	Refer to test graph	-36.18	PASS

	2452	SISO	1	Refer to test graph	-36.18	PASS
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5.2 Test Graph

