

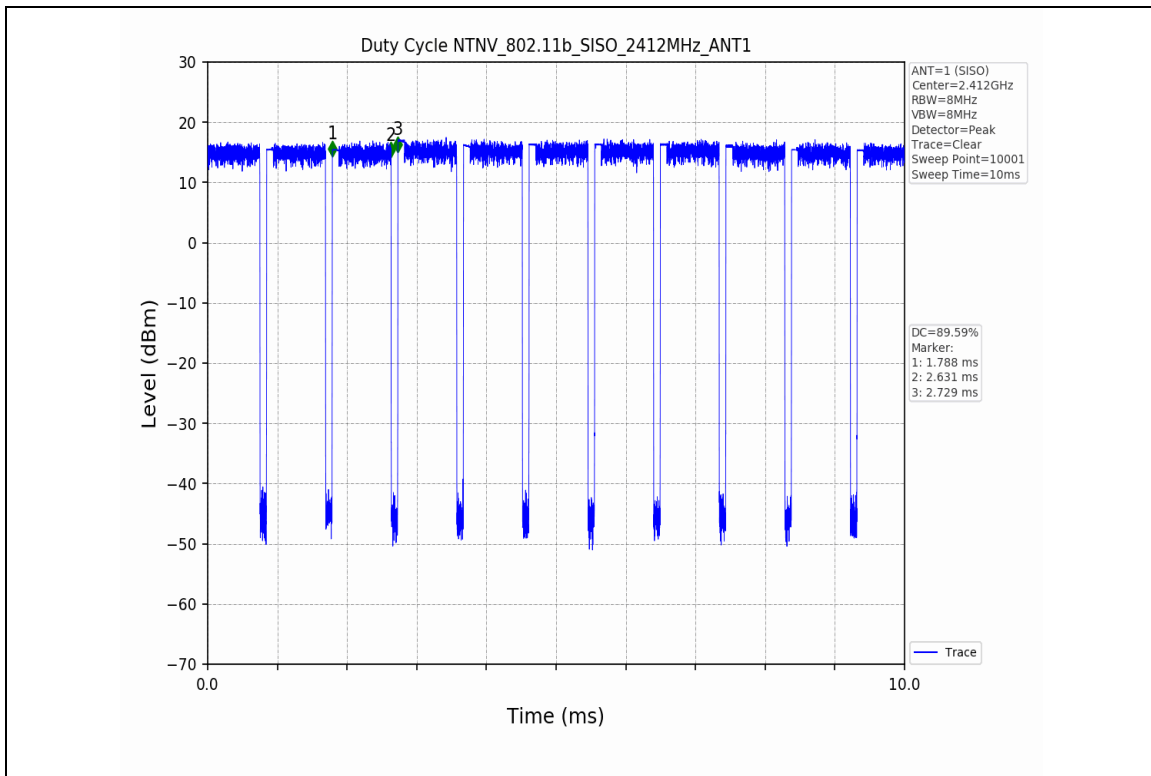
Appendix for 15.247

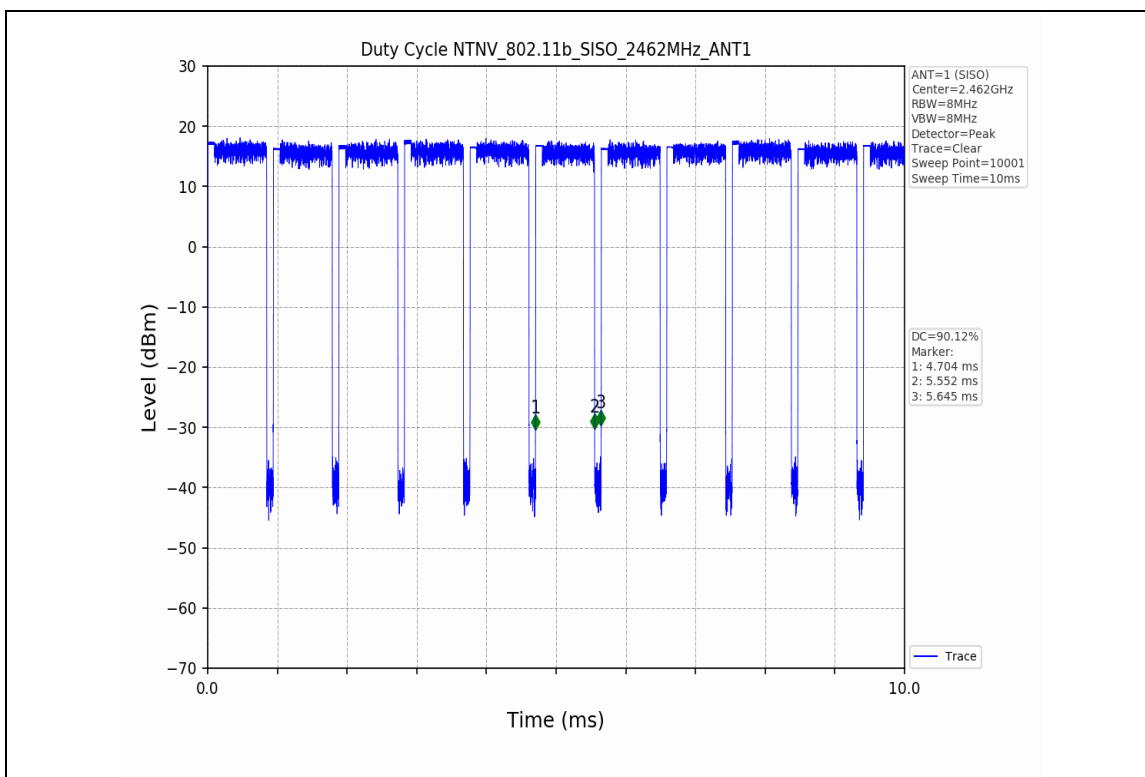
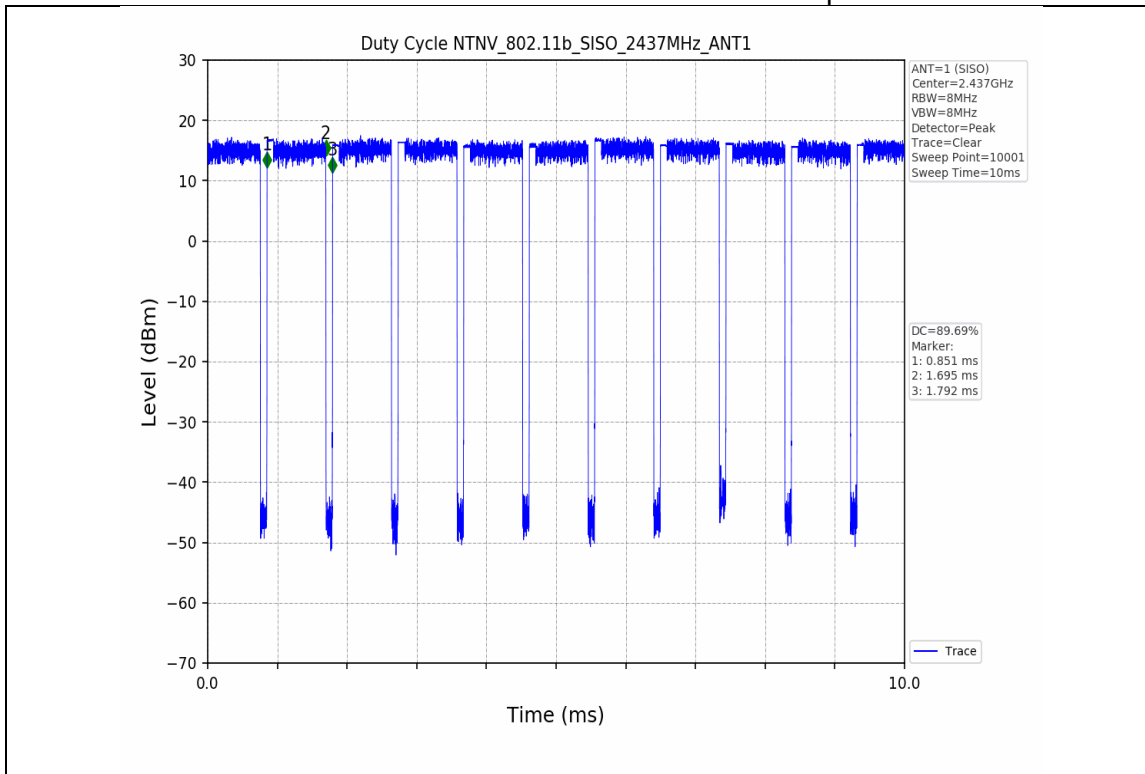
1. Duty Cycle

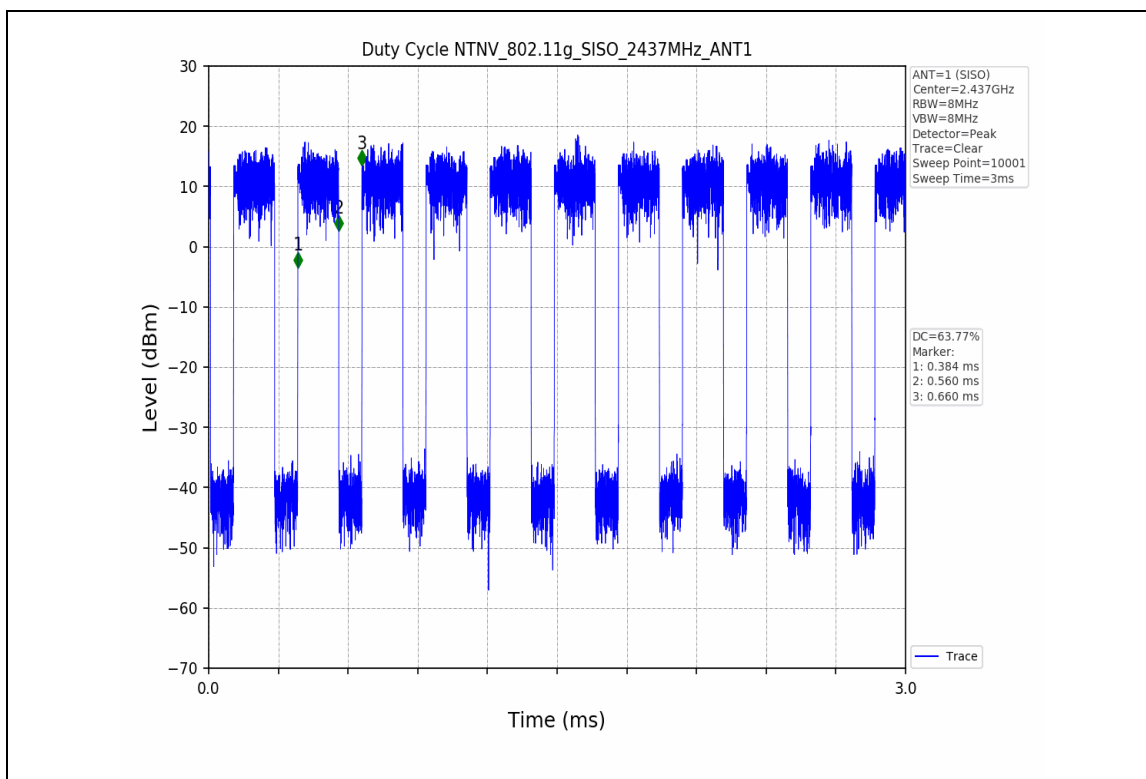
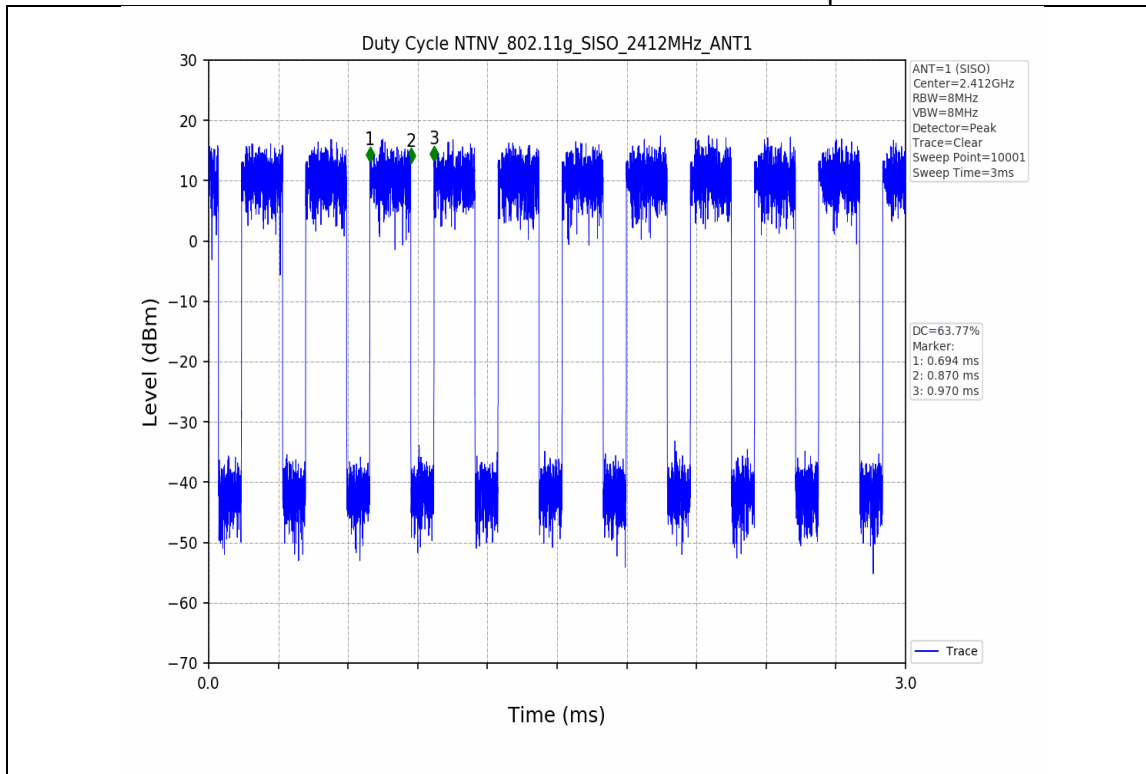
1.1 Test Result

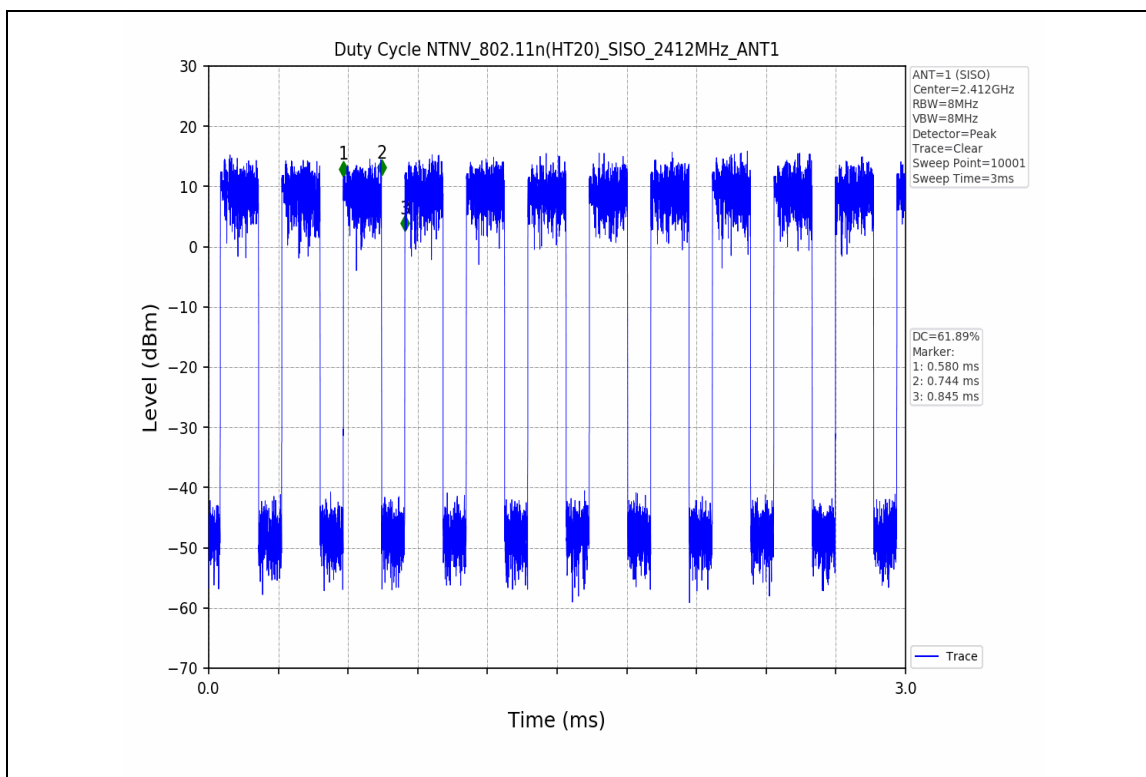
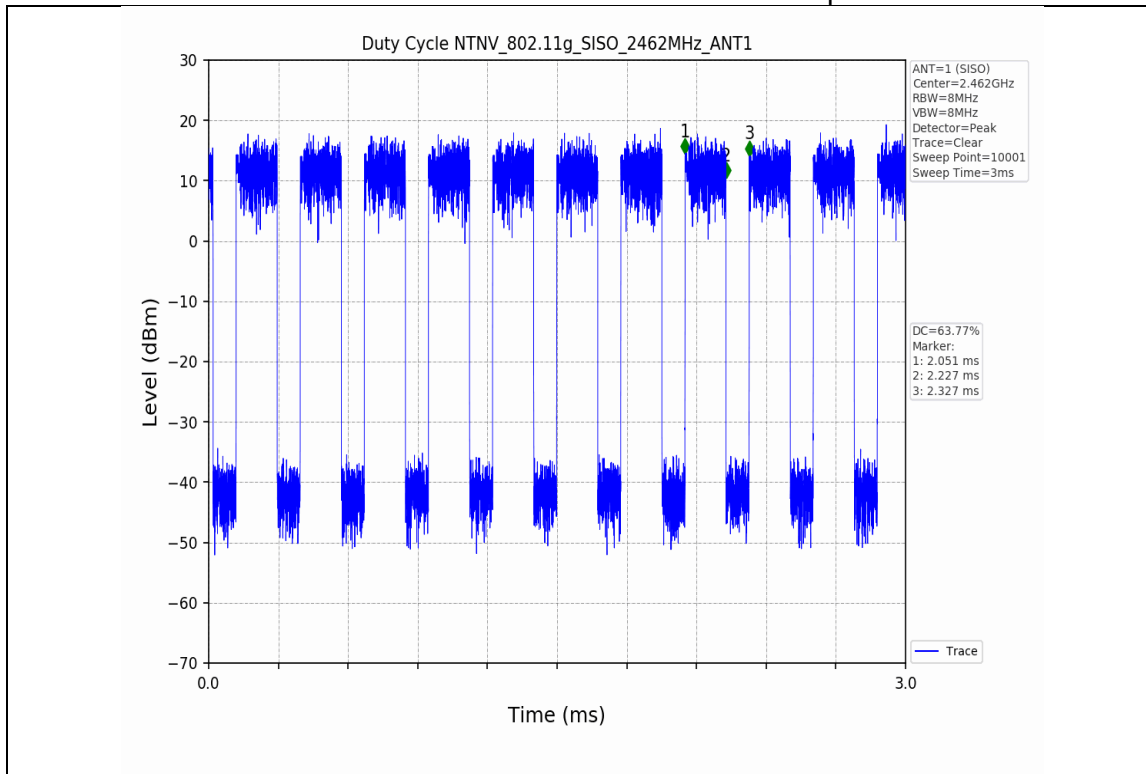
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	0.843	0.941	89.59	0.48
	2437	SISO	1	0.844	0.941	89.69	0.47
	2462	SISO	1	0.848	0.941	90.12	0.45
802.11g	2412	SISO	1	0.176	0.276	63.77	1.95
	2437	SISO	1	0.176	0.276	63.77	1.95
	2462	SISO	1	0.176	0.276	63.77	1.95
802.11n(HT20)	2412	SISO	1	0.164	0.265	61.89	2.08
	2437	SISO	1	0.163	0.265	61.51	2.11
	2462	SISO	1	0.163	0.264	61.74	2.09

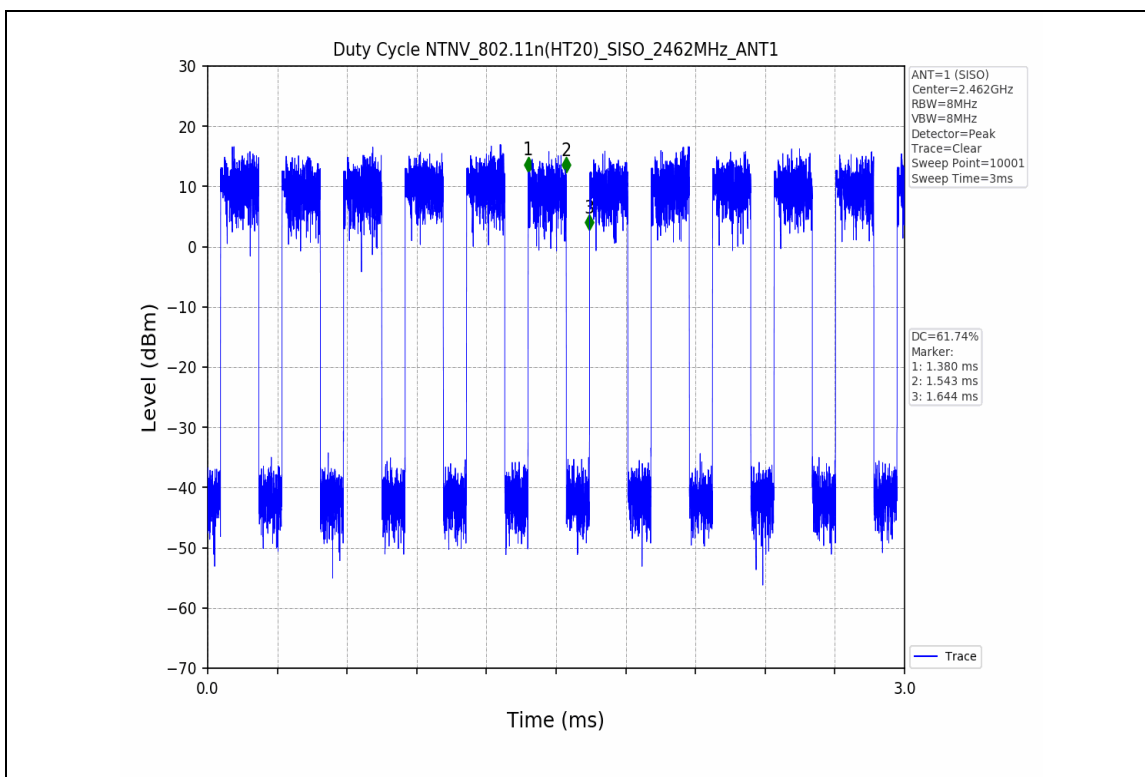
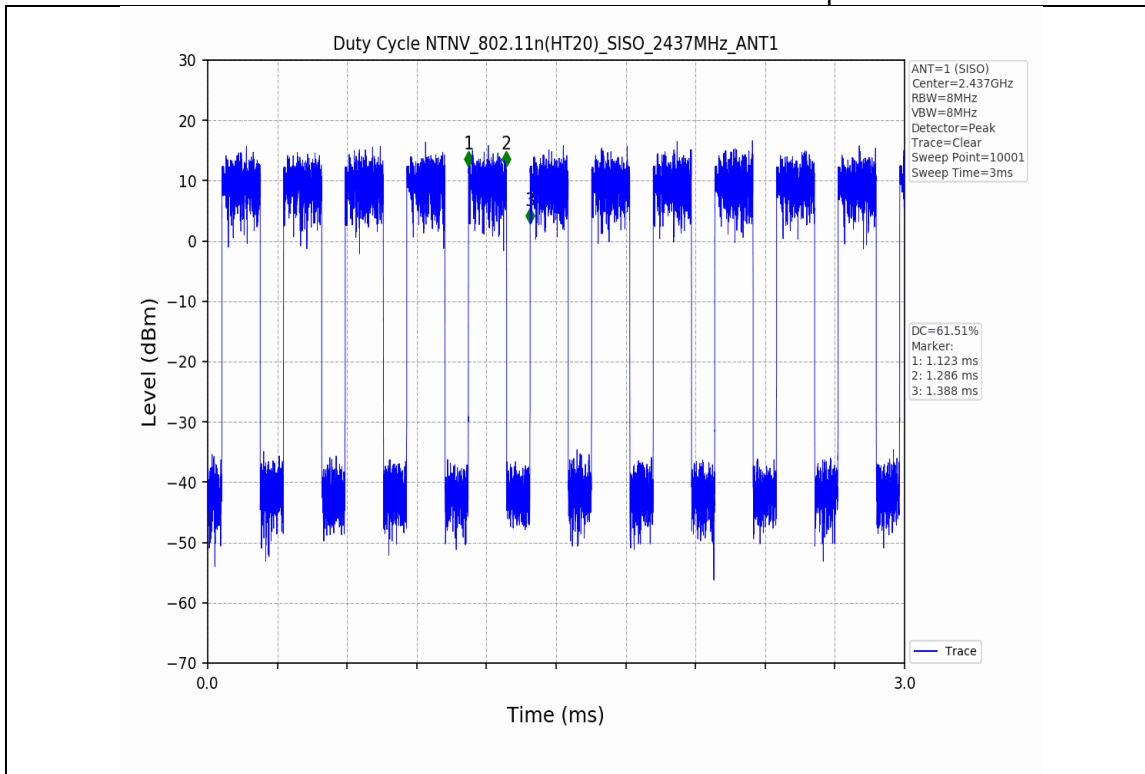
1.2 Test Graph











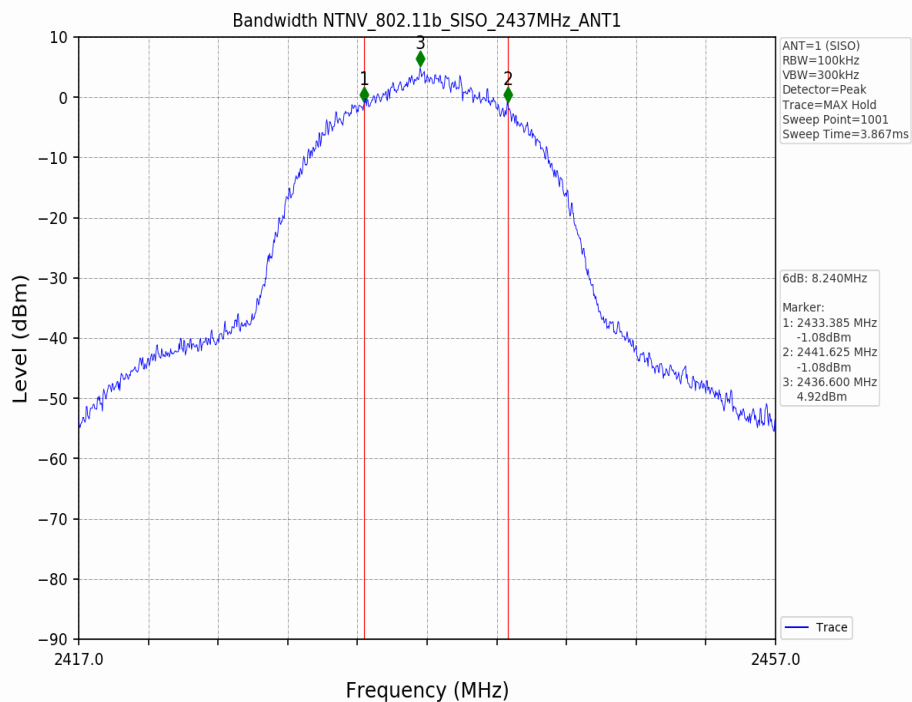
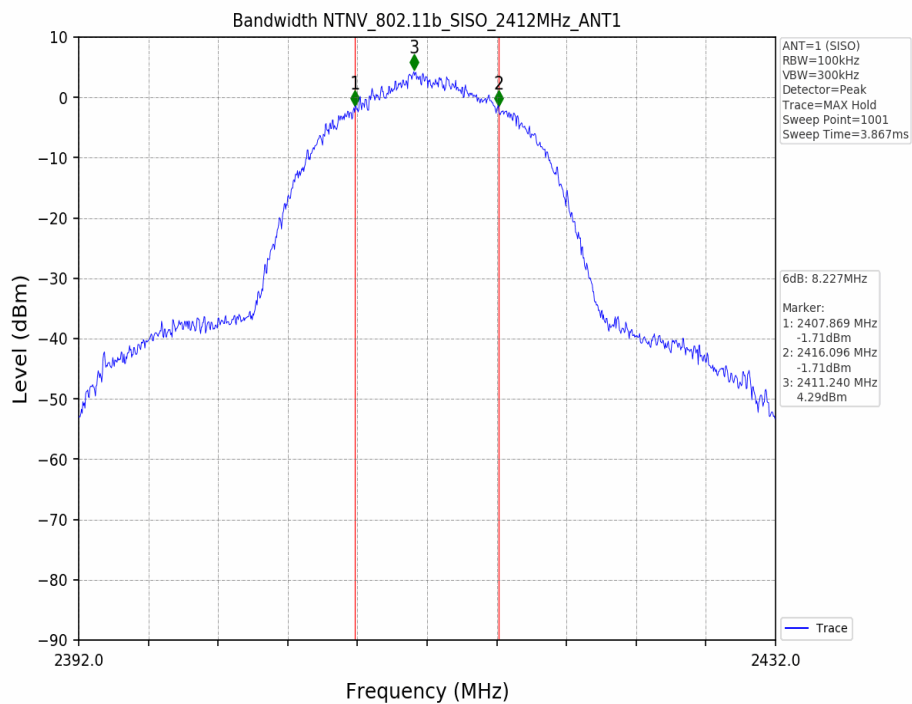
2. Bandwidth

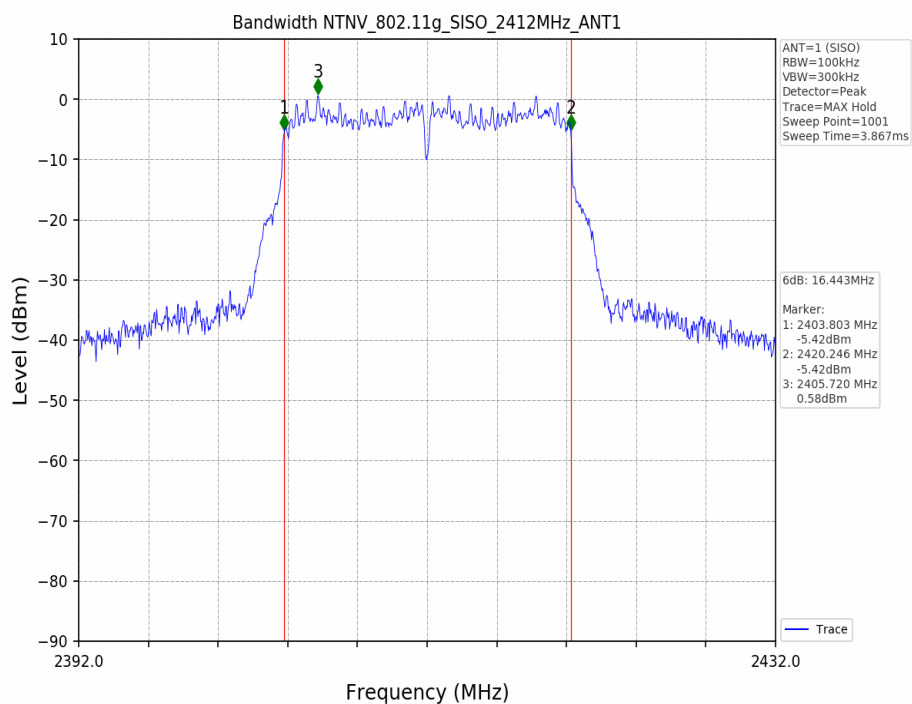
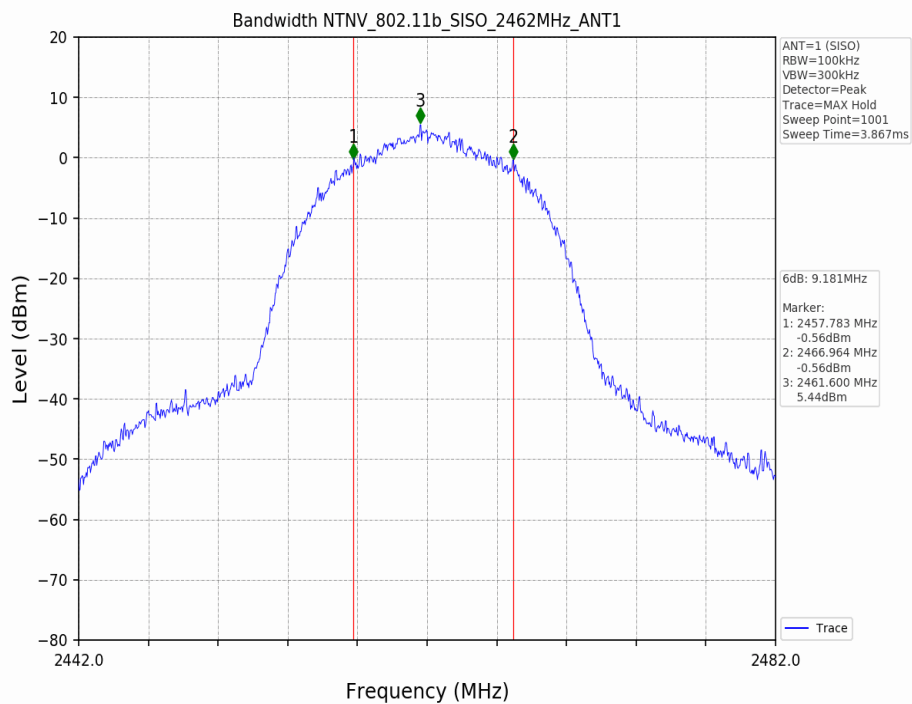
2.1 Test Result

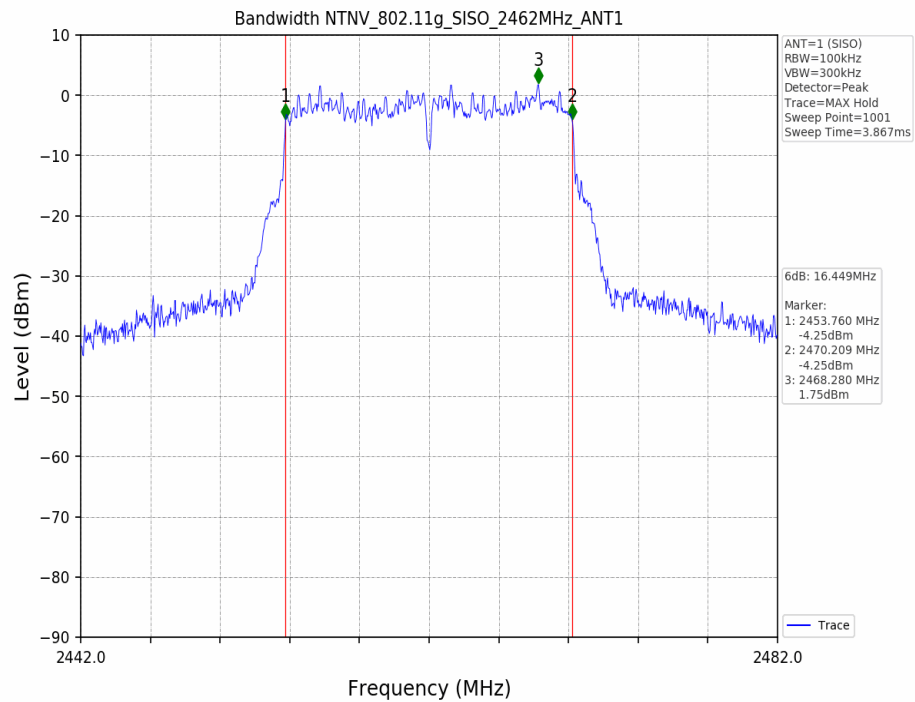
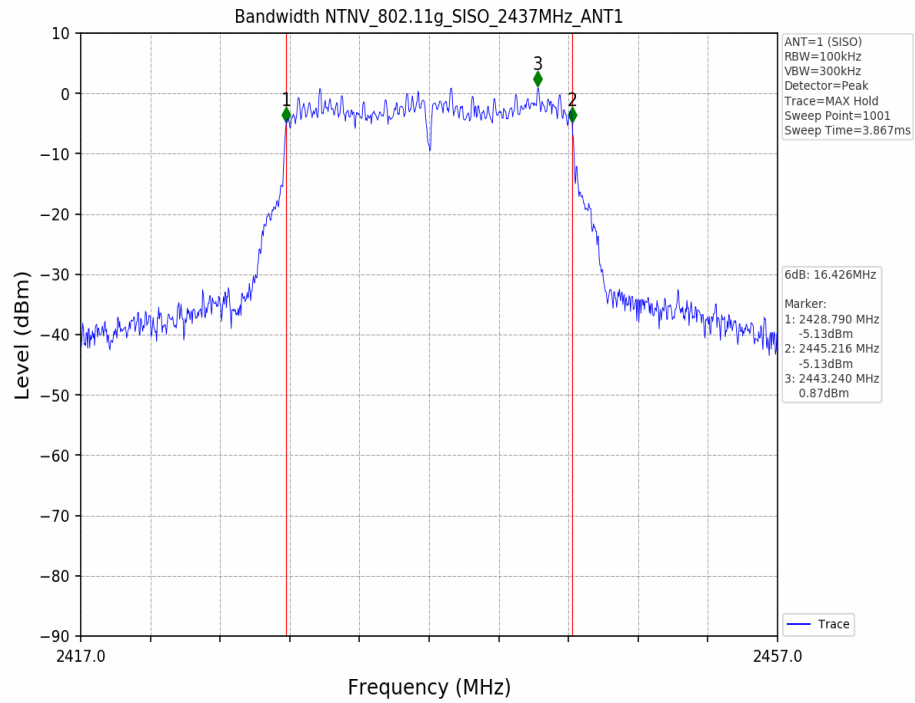
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.227	≥0.5	PASS
	2437	SISO	1	8.240	≥0.5	PASS
	2462	SISO	1	9.181	≥0.5	PASS
802.11g	2412	SISO	1	16.443	≥0.5	PASS
	2437	SISO	1	16.426	≥0.5	PASS
	2462	SISO	1	16.449	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.739	≥0.5	PASS
	2437	SISO	1	17.734	≥0.5	PASS
	2462	SISO	1	17.676	≥0.5	PASS

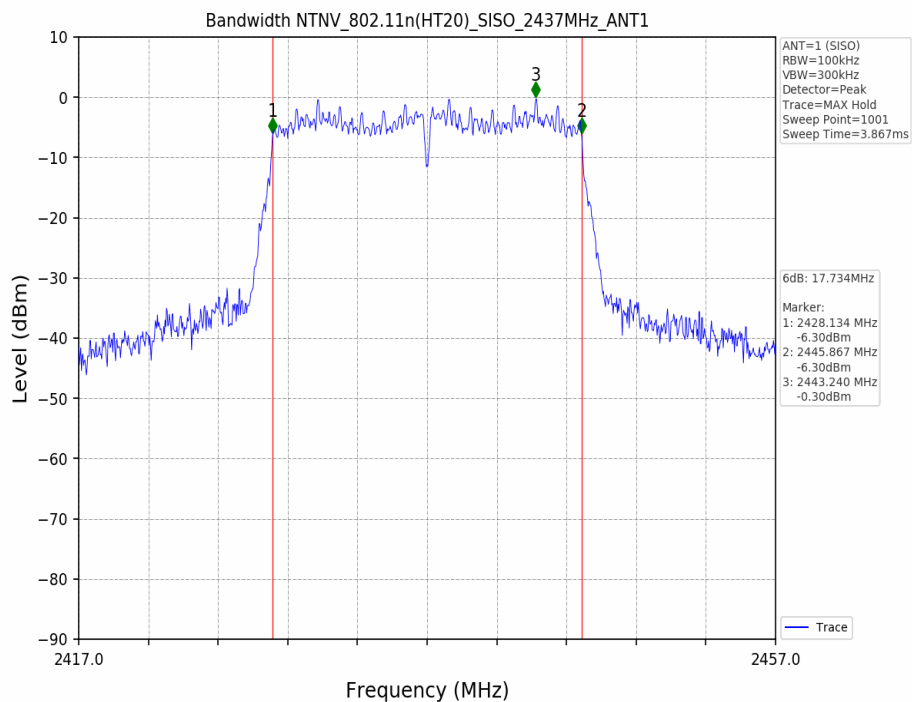
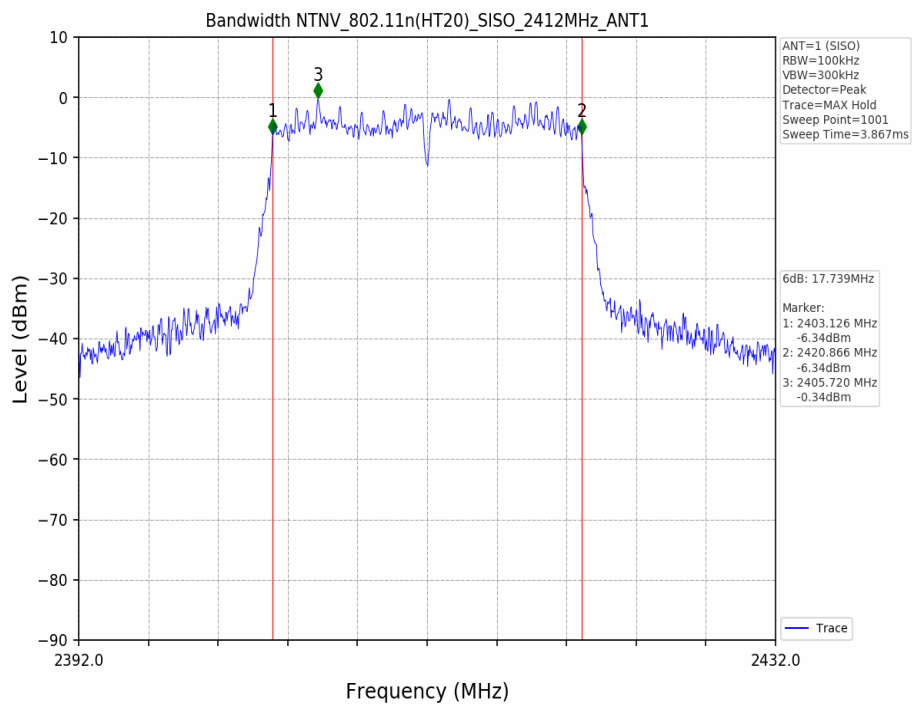
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.831	Only for Report Use
	2437	SISO	1	13.792	Only for Report Use
	2462	SISO	1	13.863	Only for Report Use
802.11g	2412	SISO	1	16.822	Only for Report Use
	2437	SISO	1	16.836	Only for Report Use
	2462	SISO	1	16.875	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.009	Only for Report Use
	2437	SISO	1	17.996	Only for Report Use
	2462	SISO	1	17.978	Only for Report Use

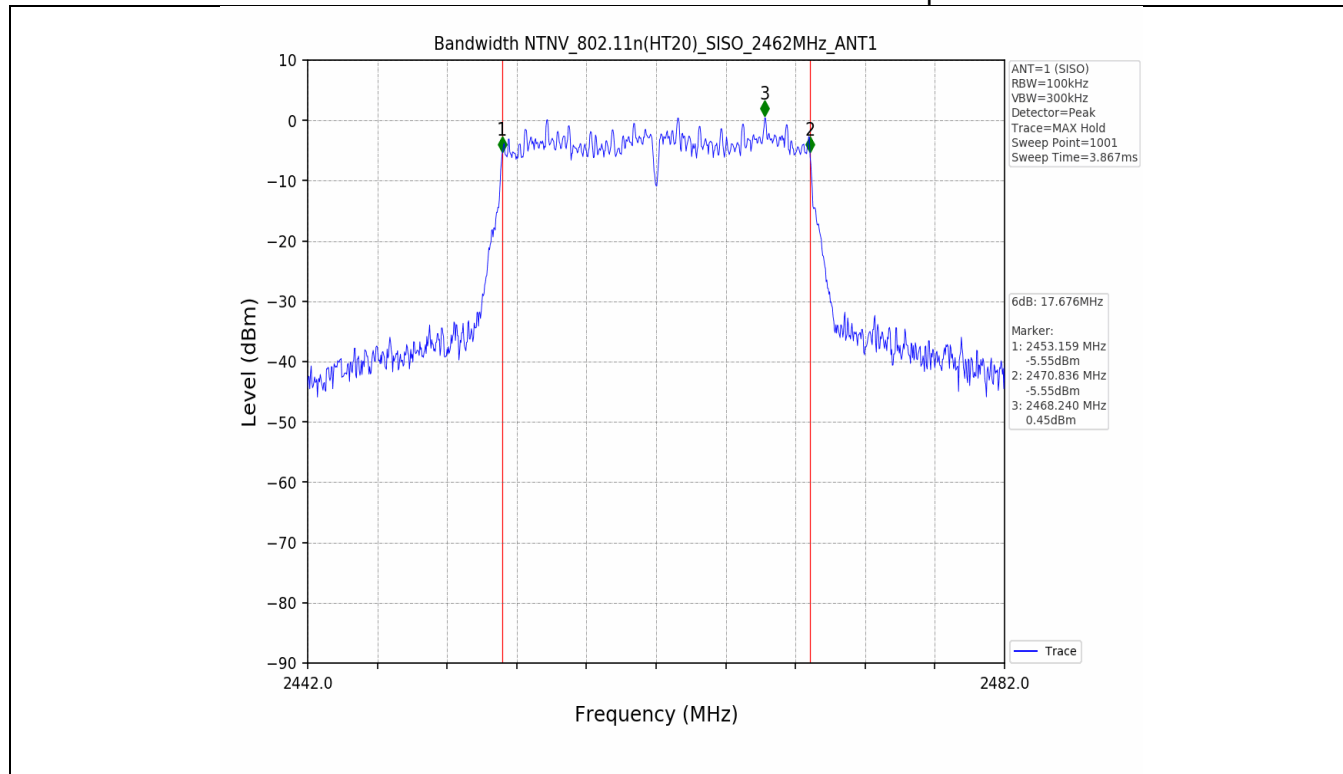
2.2 Test Graph - 6dB Bandwidth



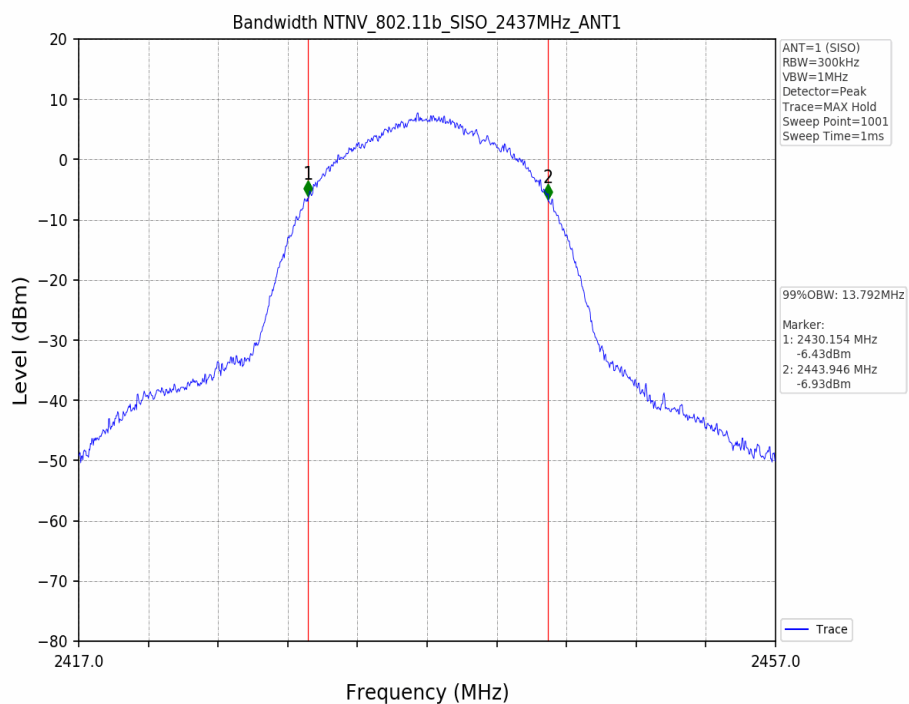
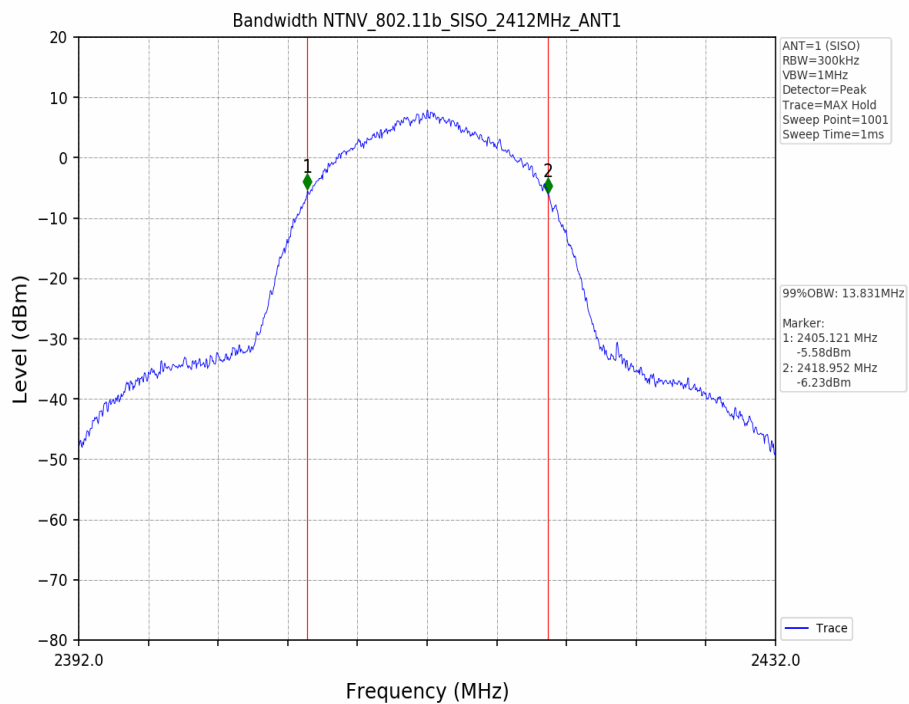


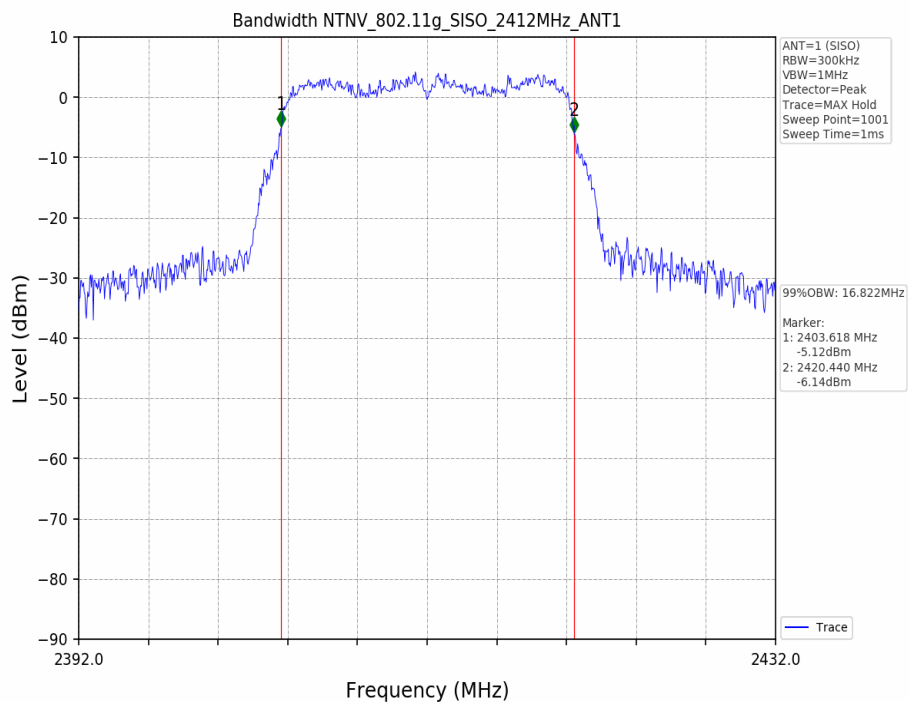
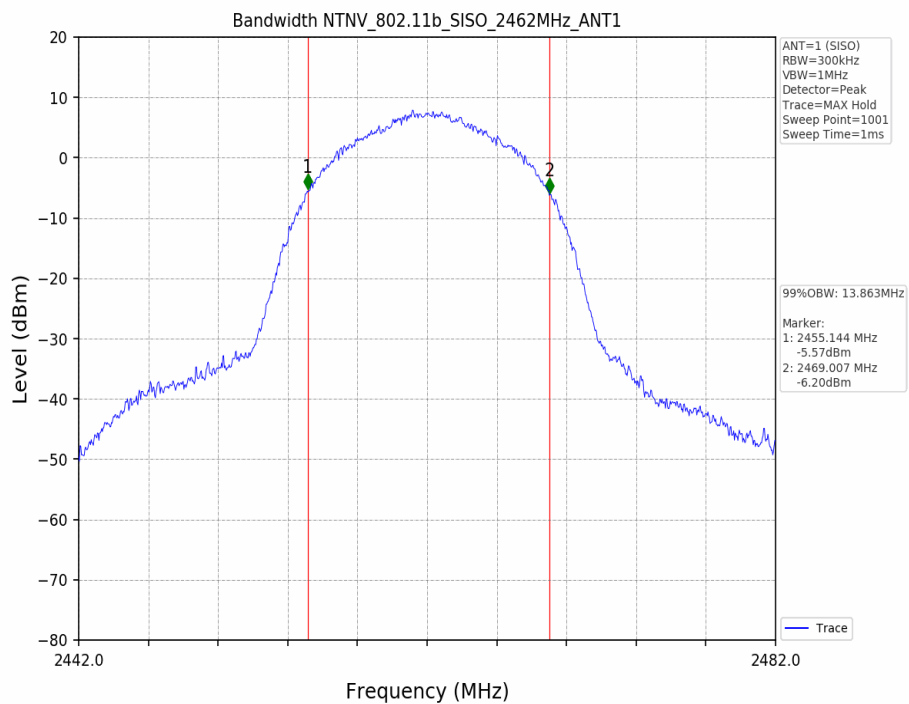


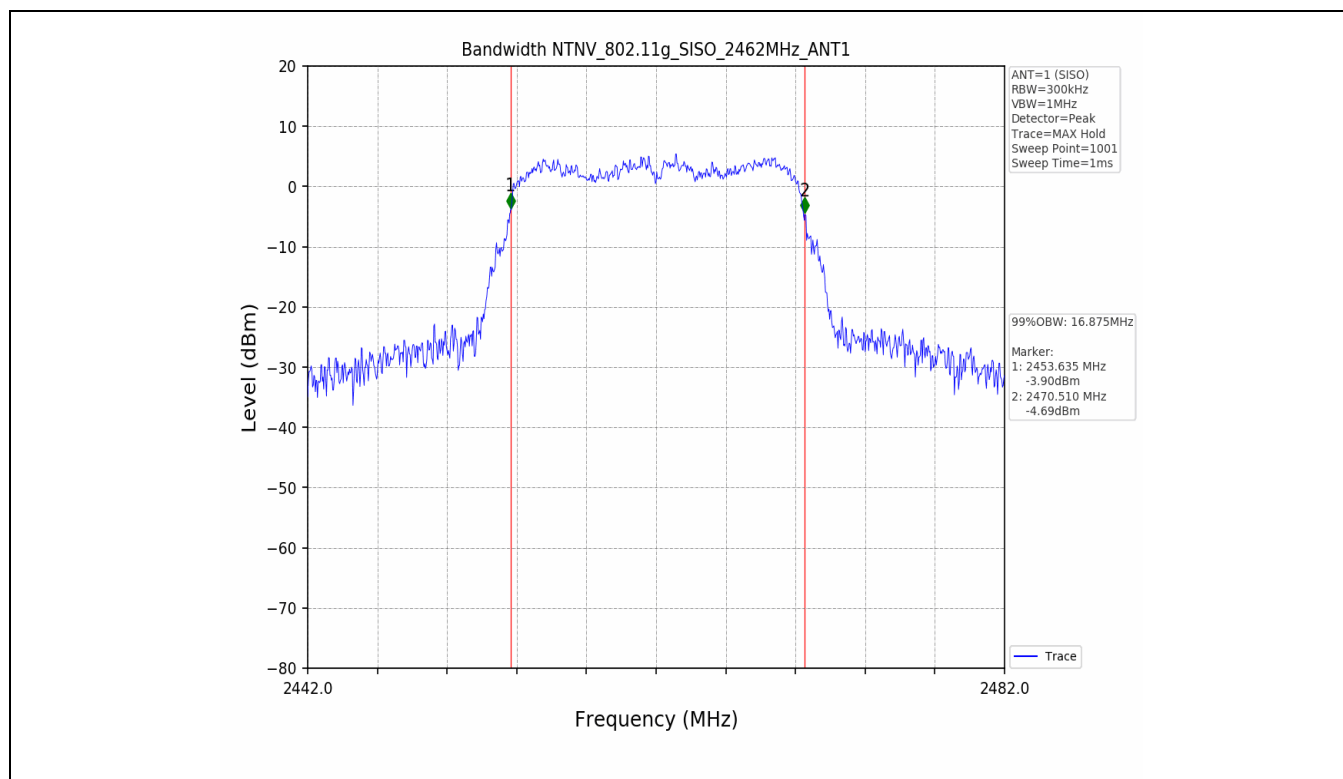
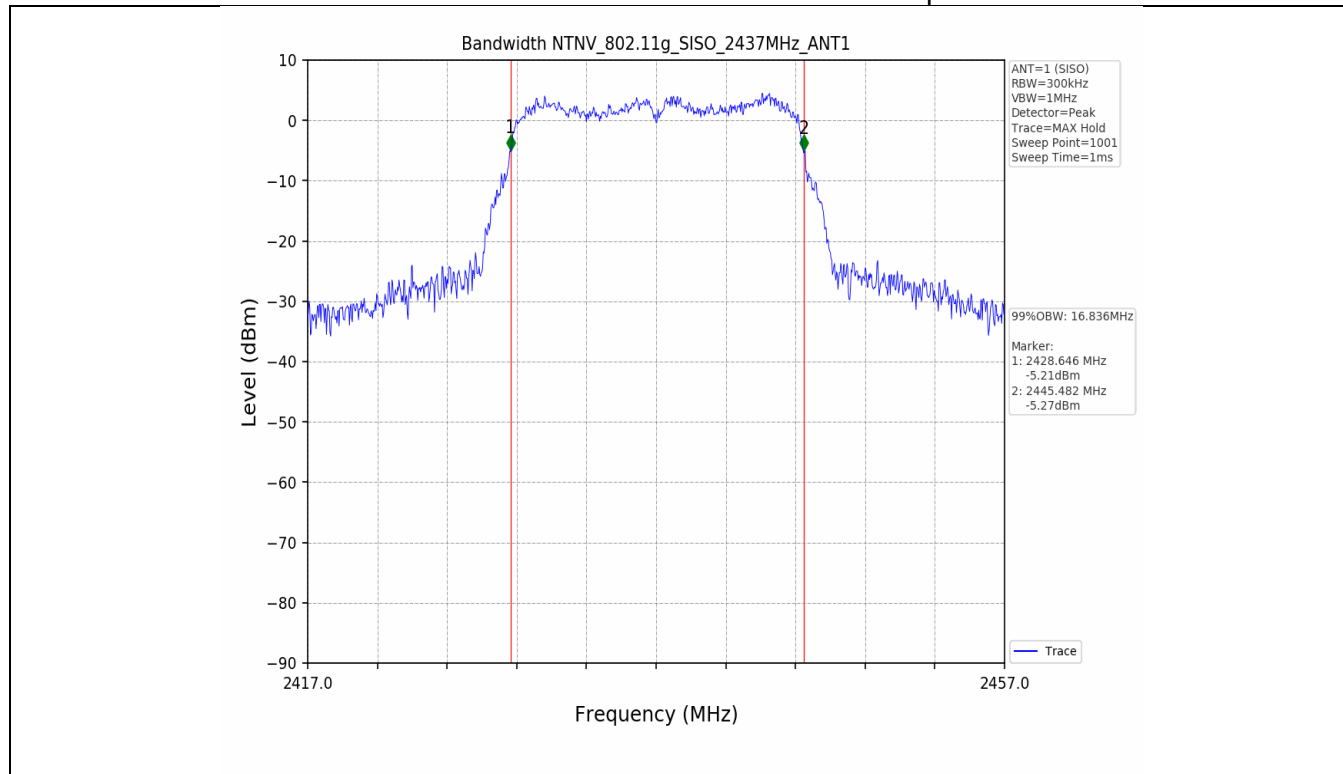


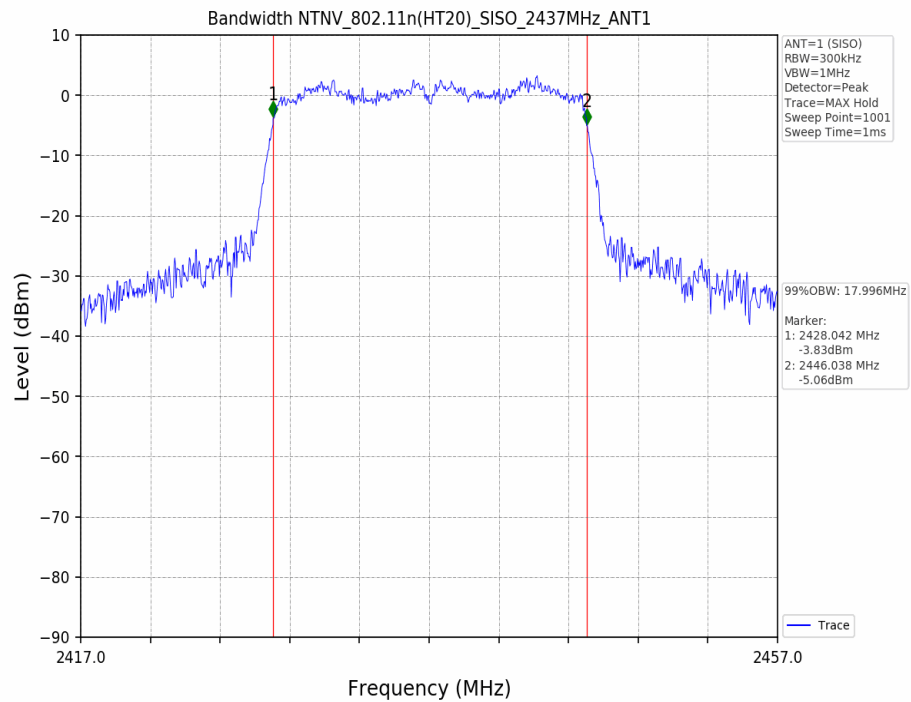
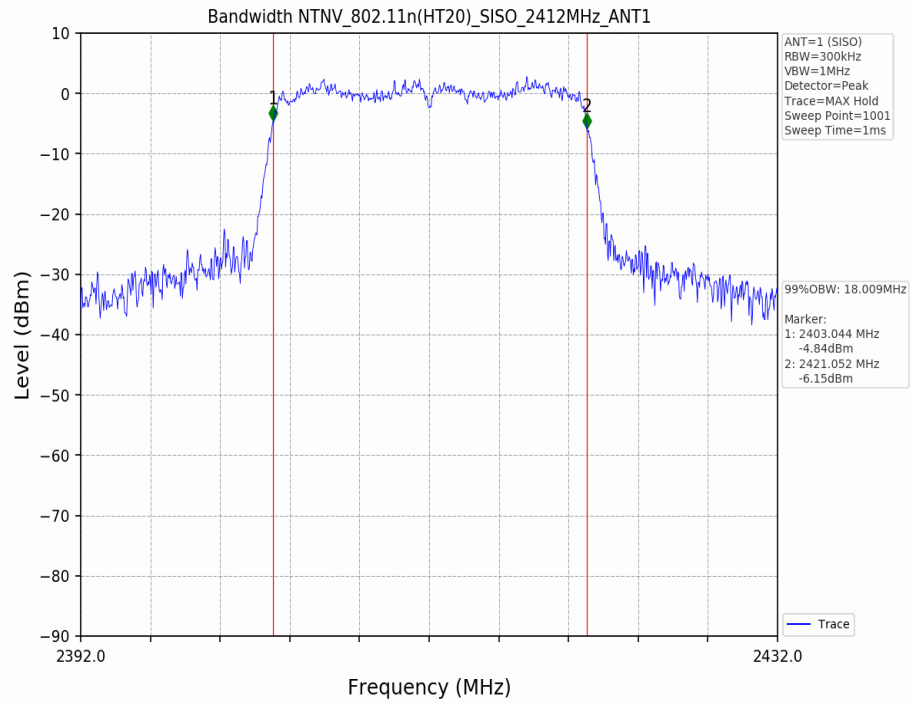


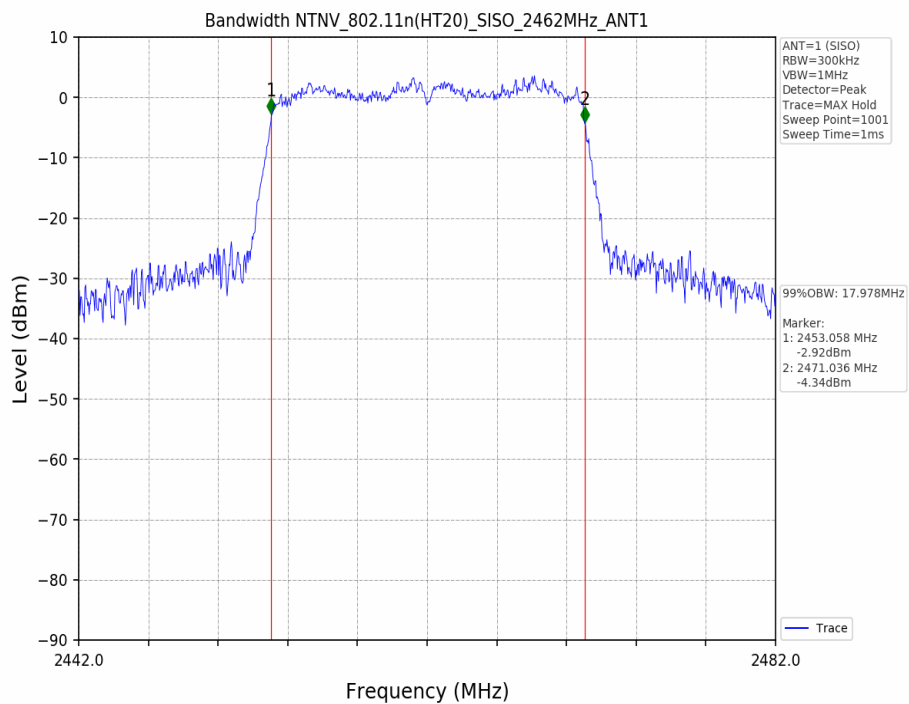
2.3 Test Graph - 99% Occupied Bandwidth











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	17.99	30	PASS
	2437	SISO	18.04	30	PASS
	2462	SISO	18.86	30	PASS
802.11g	2412	SISO	19.33	30	PASS
	2437	SISO	19.54	30	PASS
	2462	SISO	20.18	30	PASS
802.11n(HT20)	2412	SISO	18.00	30	PASS
	2437	SISO	18.23	30	PASS
	2462	SISO	18.73	30	PASS

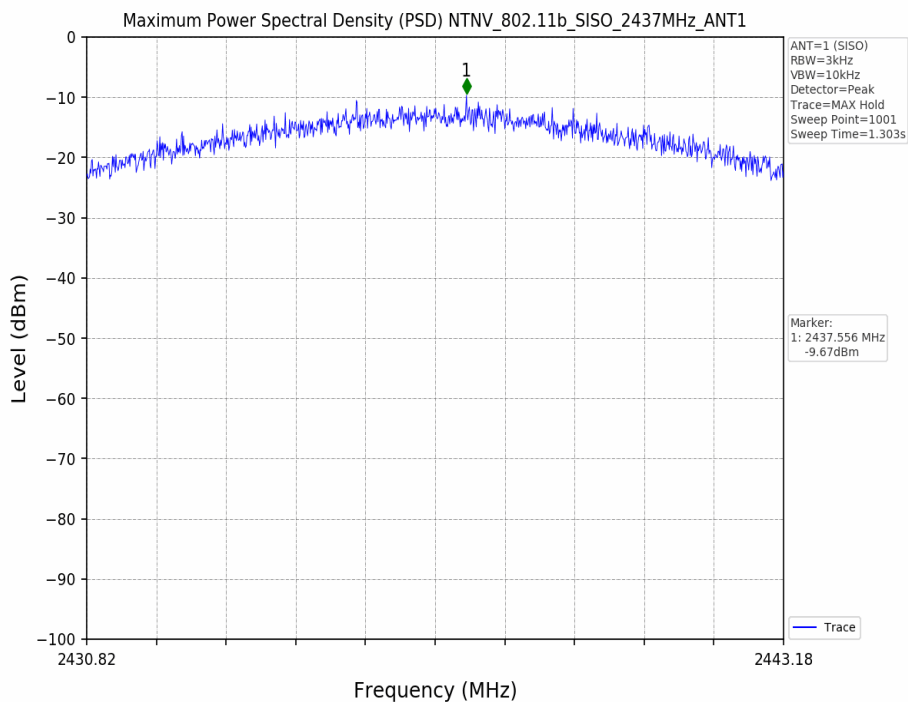
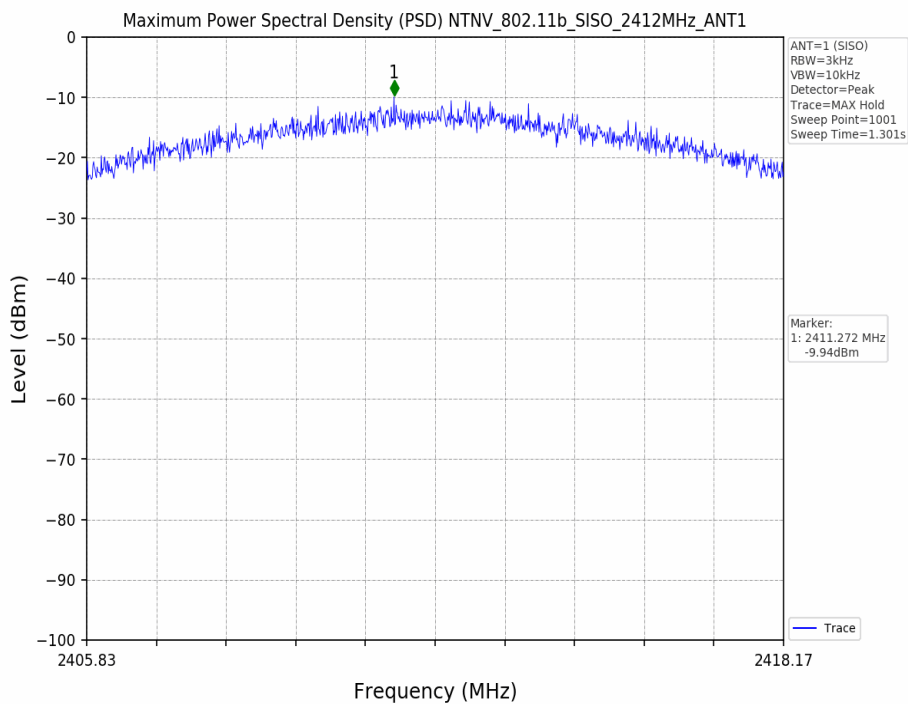
Remark: Test result contains duty cycle factor correction

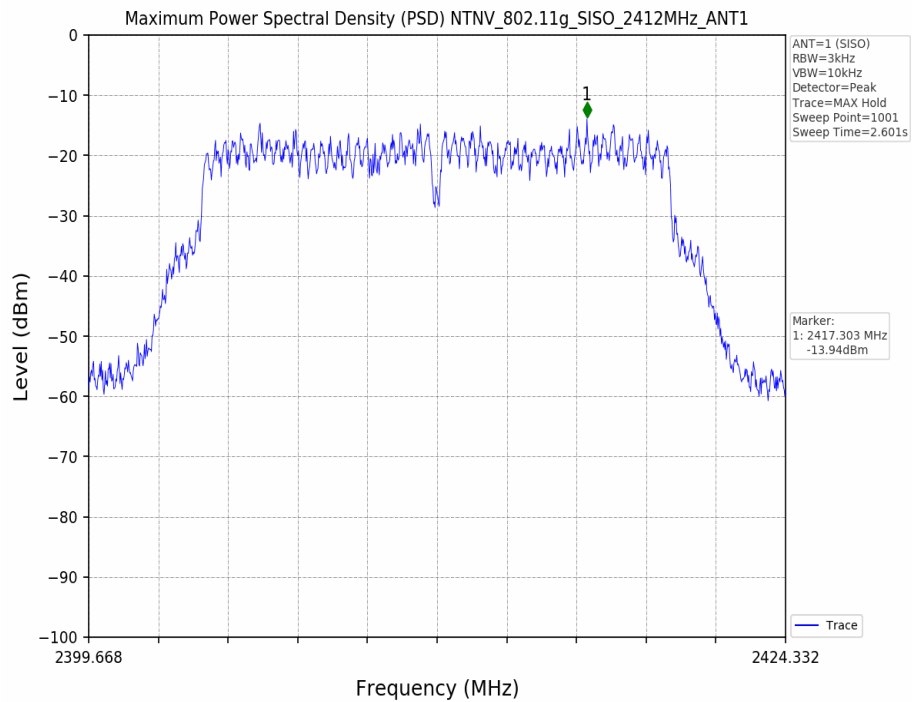
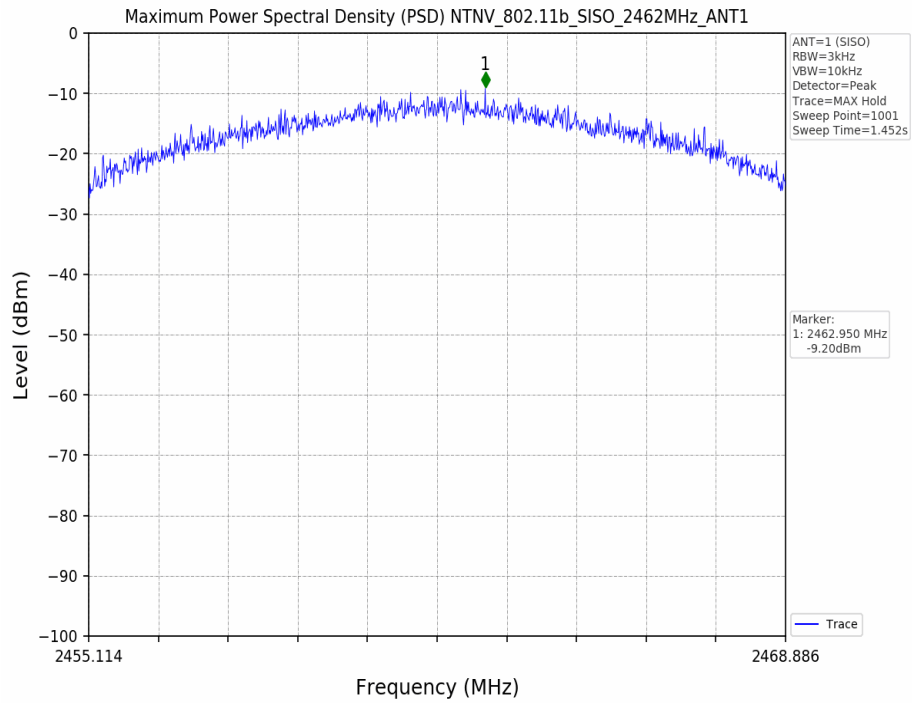
4. Maximum Power Spectral Density (PSD)

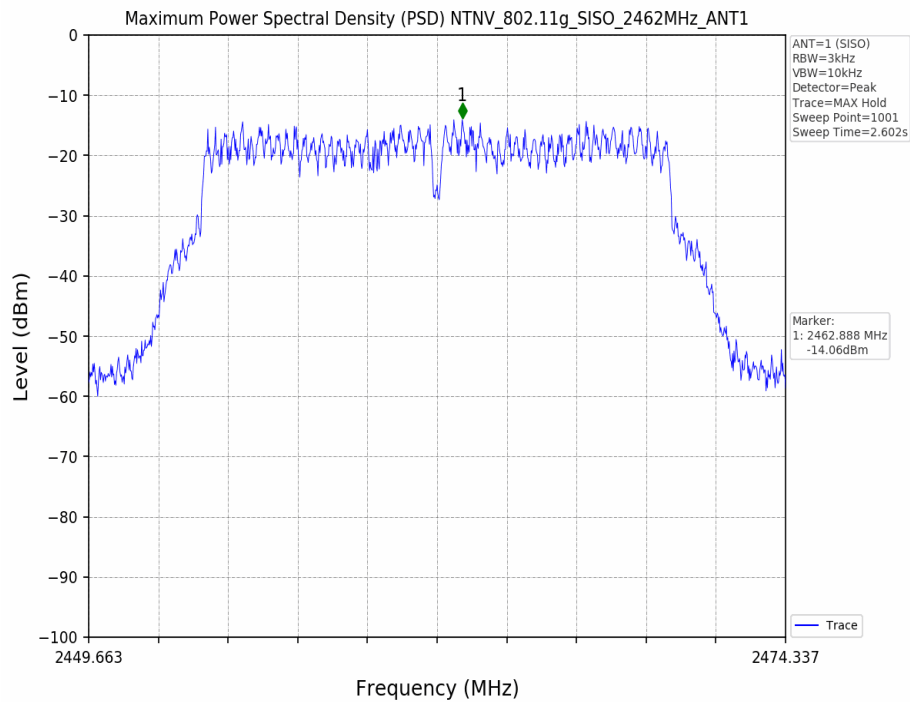
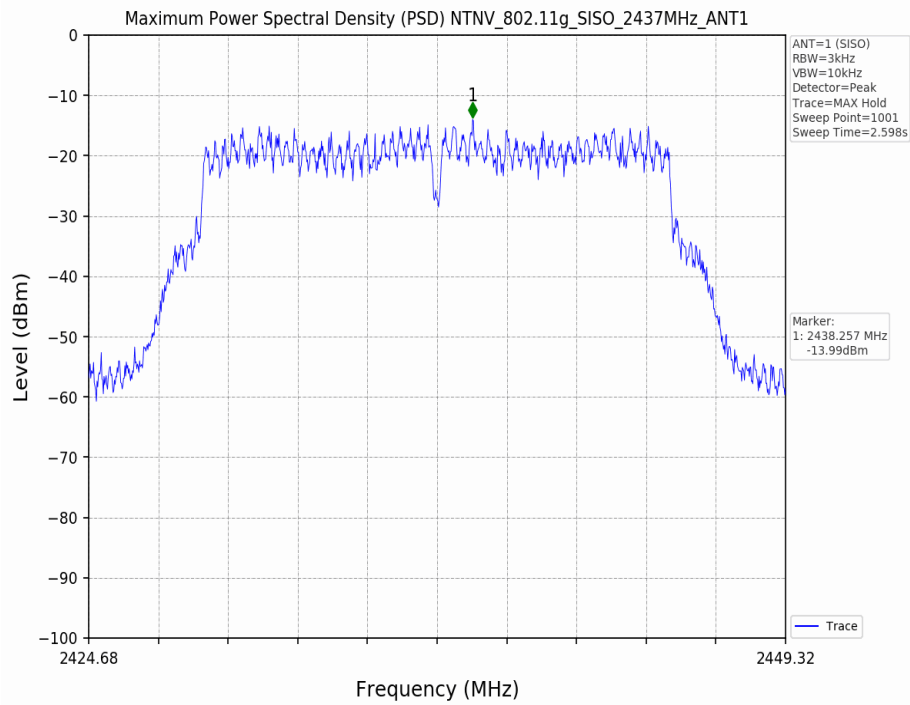
4.1 Test Result

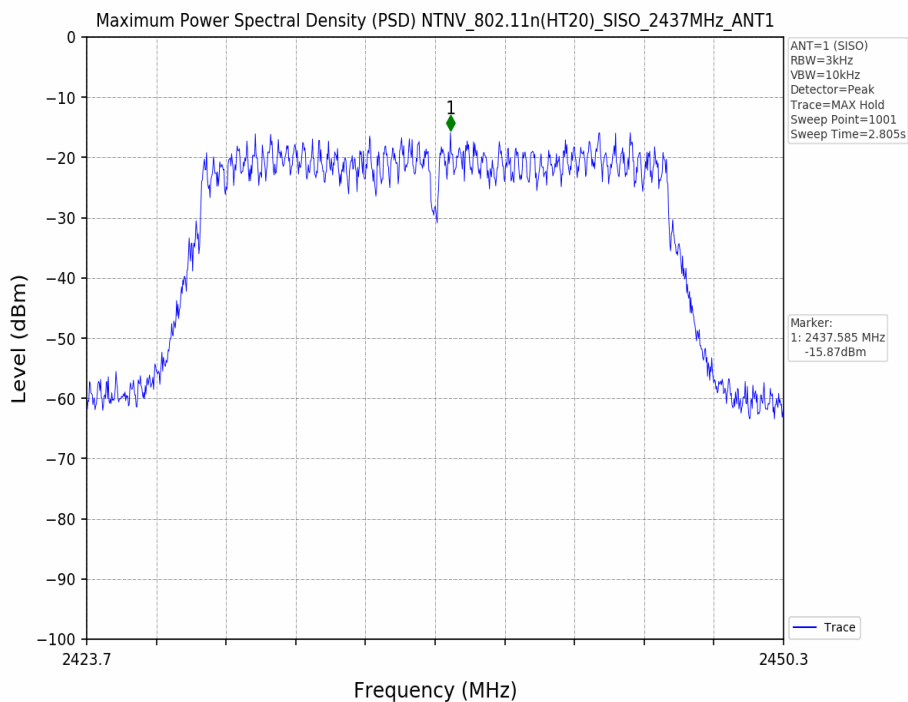
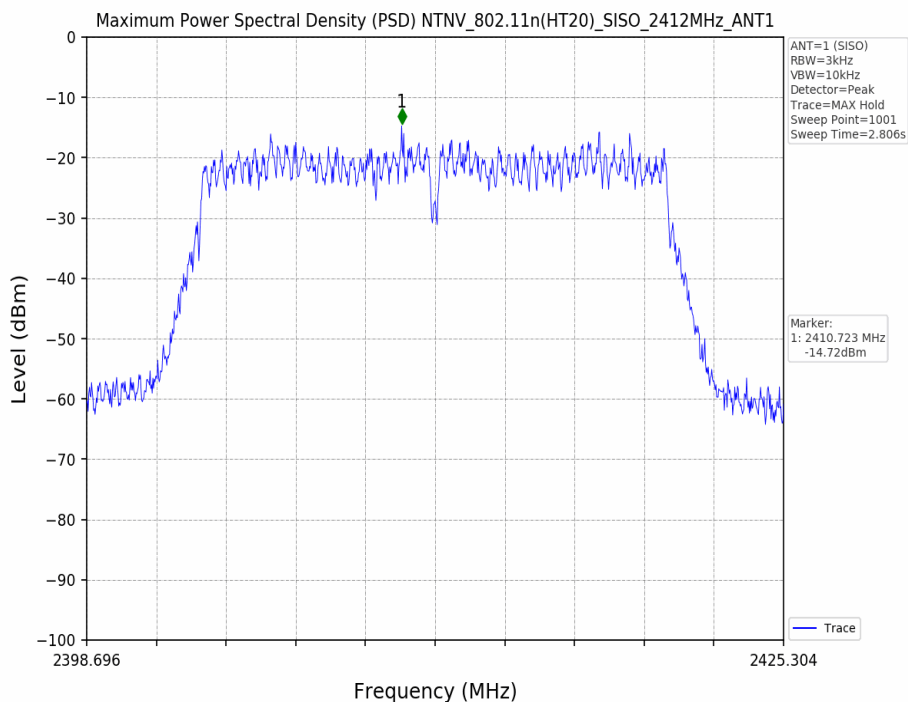
Test Mode	Frequency (MHz)	Tx Type	DCCF	Maximum Power Spectral Density (dBm/3KHz)		Limits (dBm/3kHz)	Verdict
				Measured	Total		
802.11b	2412	SISO	0.48	-9.94	-9.46	≤8	PASS
	2437	SISO	0.47	-9.67	-9.2	≤8	PASS
	2462	SISO	0.45	-9.20	-8.75	≤8	PASS
802.11g	2412	SISO	1.95	-13.94	-11.99	≤8	PASS
	2437	SISO	1.95	-13.99	-12.04	≤8	PASS
	2462	SISO	1.95	-14.06	-12.11	≤8	PASS
802.11n(HT20)	2412	SISO	2.08	-14.72	-12.64	≤8	PASS
	2437	SISO	2.11	-15.87	-13.76	≤8	PASS
	2462	SISO	2.09	-15.09	-13	≤8	PASS

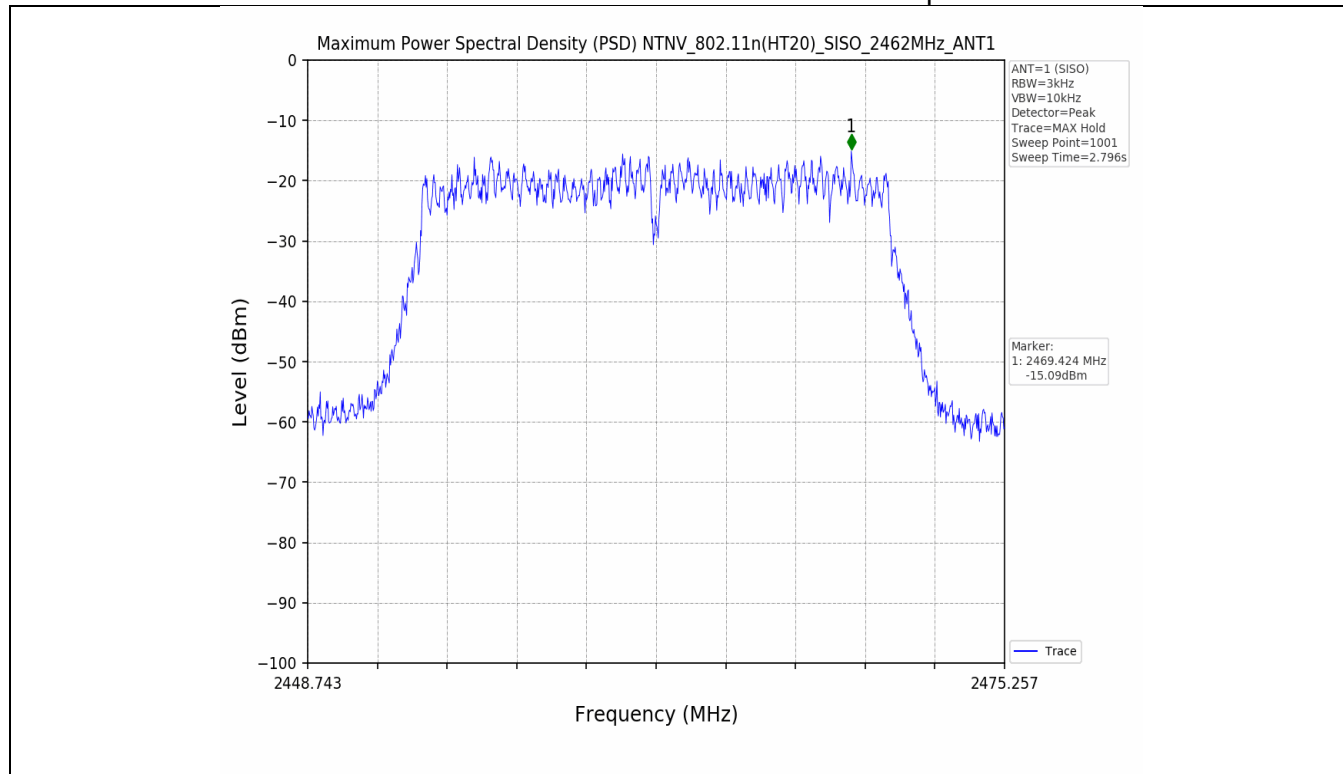
4.2 Test Graph











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	-13.96	PASS
	2437	SISO	1	Refer to test graph	-13.96	PASS
	2462	SISO	1	Refer to test graph	-13.96	PASS
802.11g	2412	SISO	1	Refer to test graph	-18.27	PASS
	2437	SISO	1	Refer to test graph	-18.27	PASS
	2462	SISO	1	Refer to test graph	-18.27	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-19.58	PASS
	2437	SISO	1	Refer to test graph	-19.58	PASS
	2462	SISO	1	Refer to test graph	-19.58	PASS

5.2 Test Graph

