

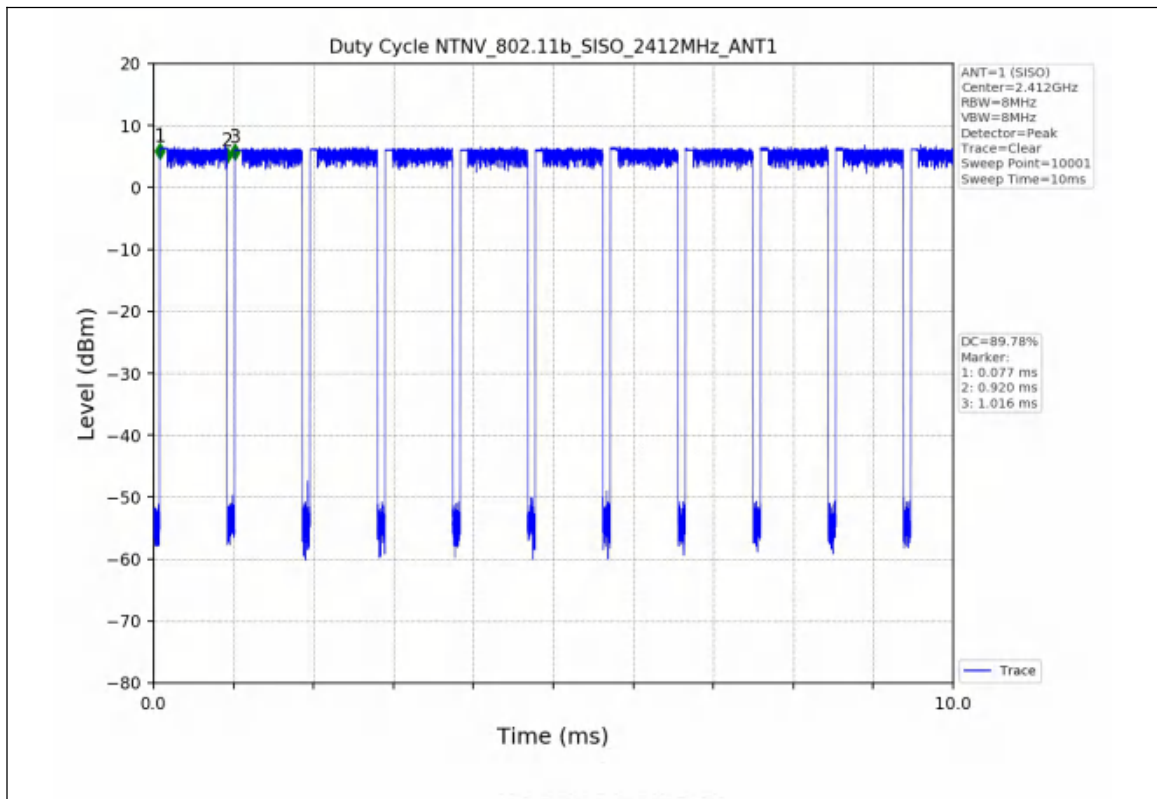
Appendix for 15.247

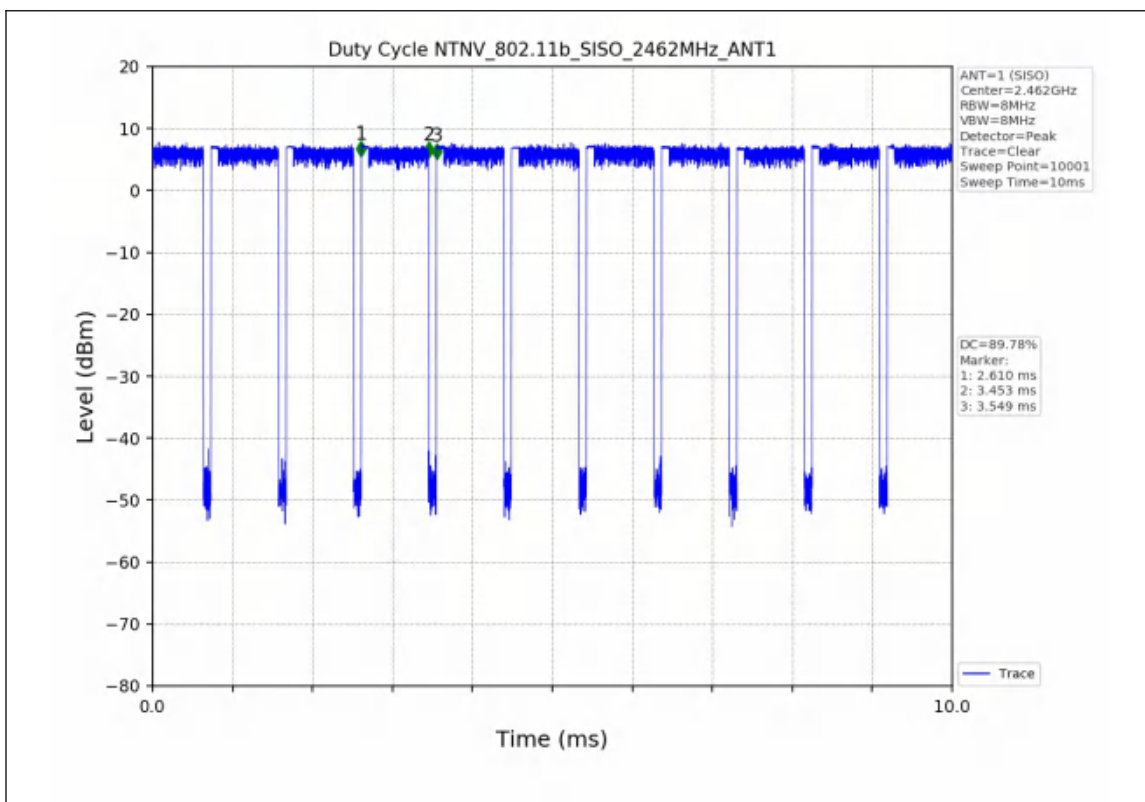
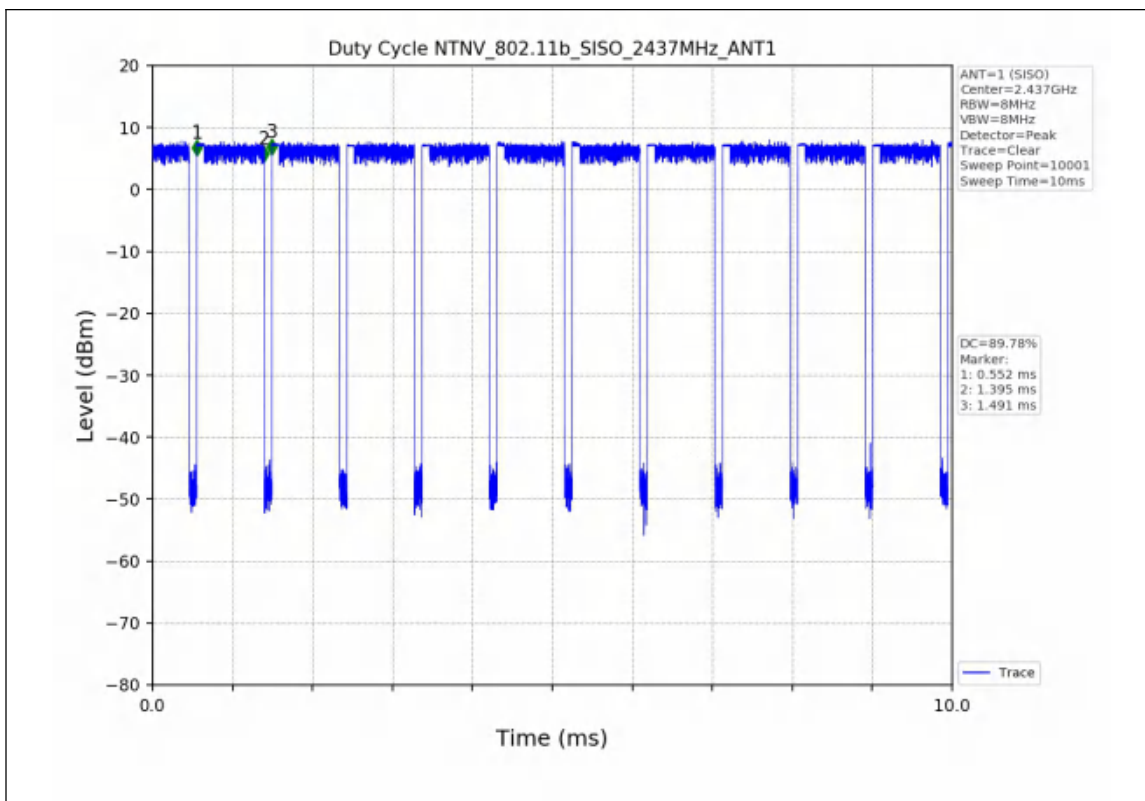
1. Duty Cycle

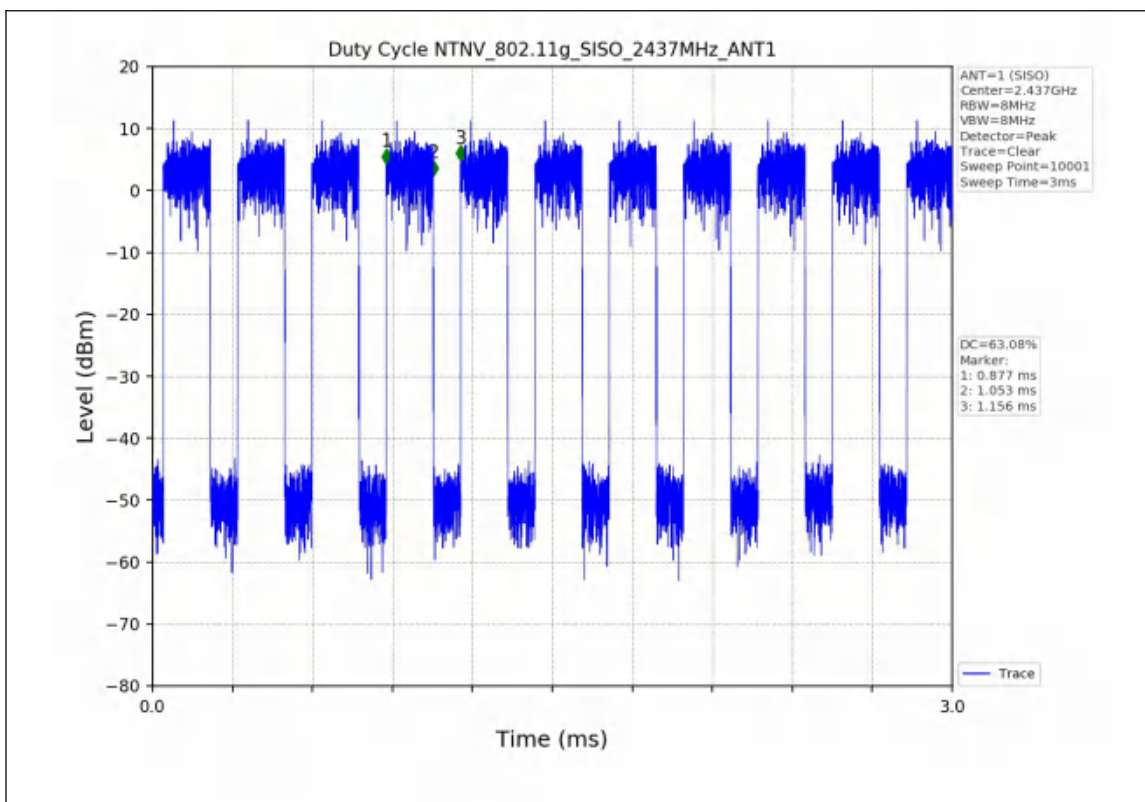
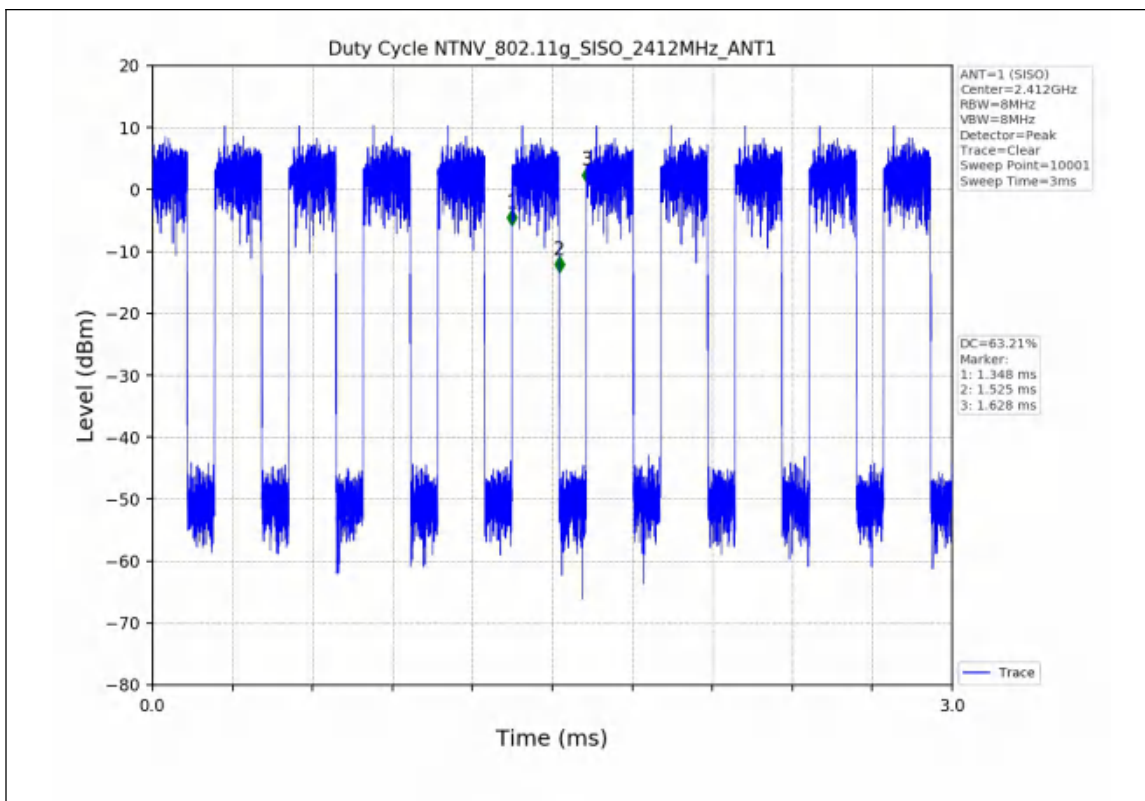
1.1 Test Result

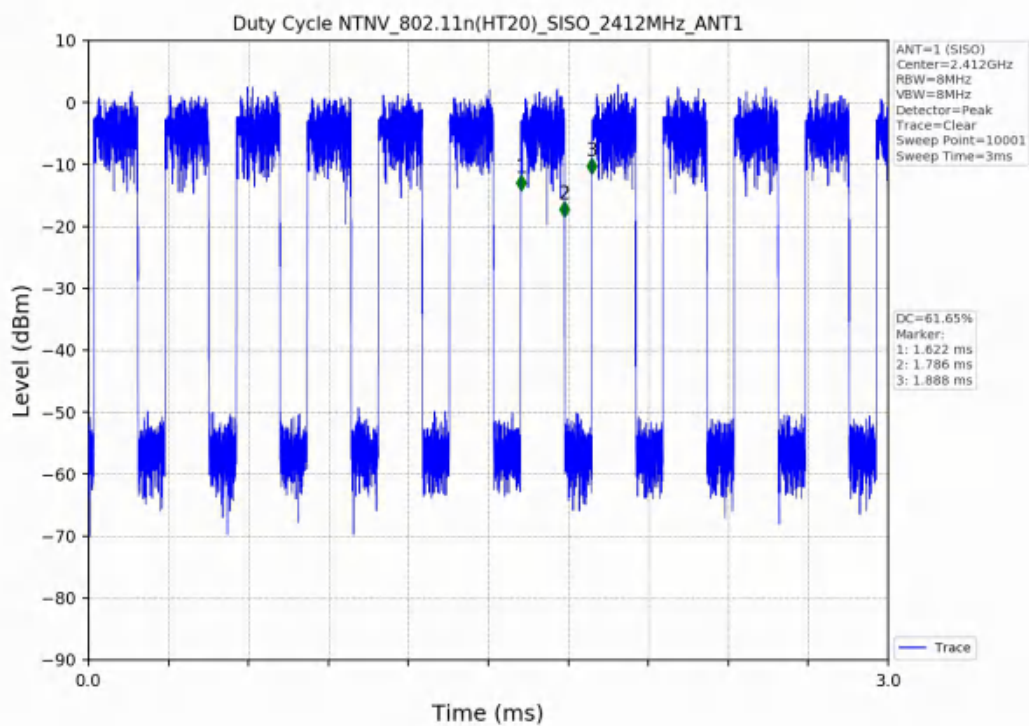
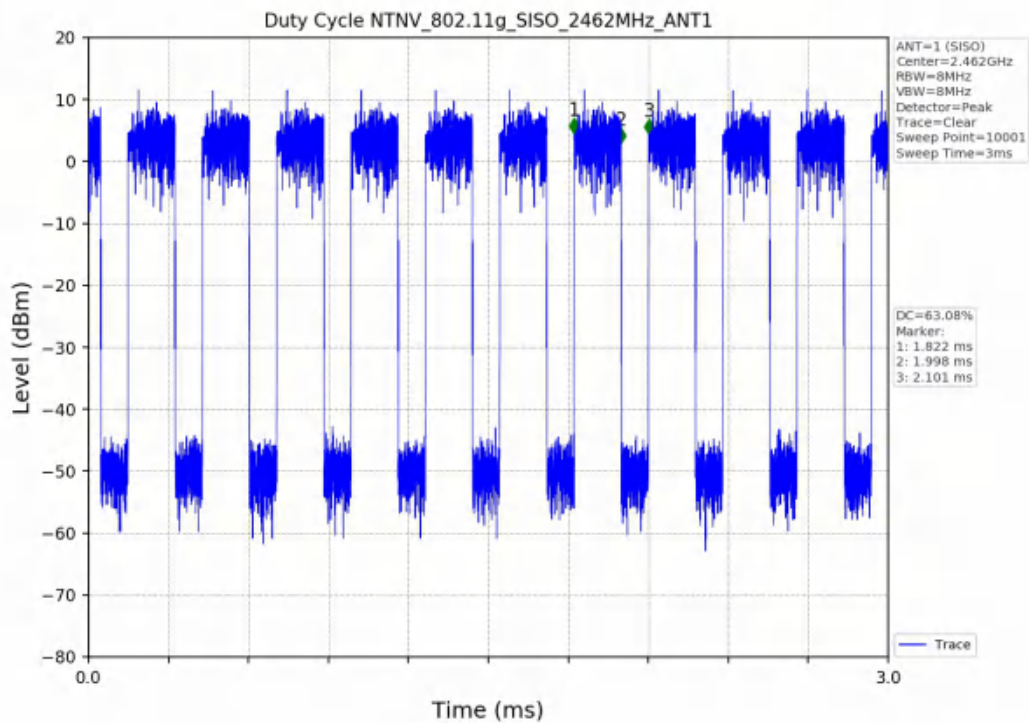
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	0.843	0.939	89.78	0.47
	2437	SISO	1	0.843	0.939	89.78	0.47
	2462	SISO	1	0.843	0.939	89.78	0.47
802.11g	2412	SISO	1	0.177	0.280	63.21	1.99
	2437	SISO	1	0.176	0.279	63.08	2.00
	2462	SISO	1	0.176	0.279	63.08	2.00
802.11n(HT20)	2412	SISO	1	0.164	0.266	61.65	2.10
	2437	SISO	1	0.163	0.266	61.28	2.13
	2462	SISO	1	0.165	0.266	62.03	2.07
802.11n(HT40)	2422	SISO	1	0.102	0.143	71.33	1.47
	2437	SISO	1	0.102	0.143	71.33	1.47
	2452	SISO	1	0.101	0.143	70.63	1.51

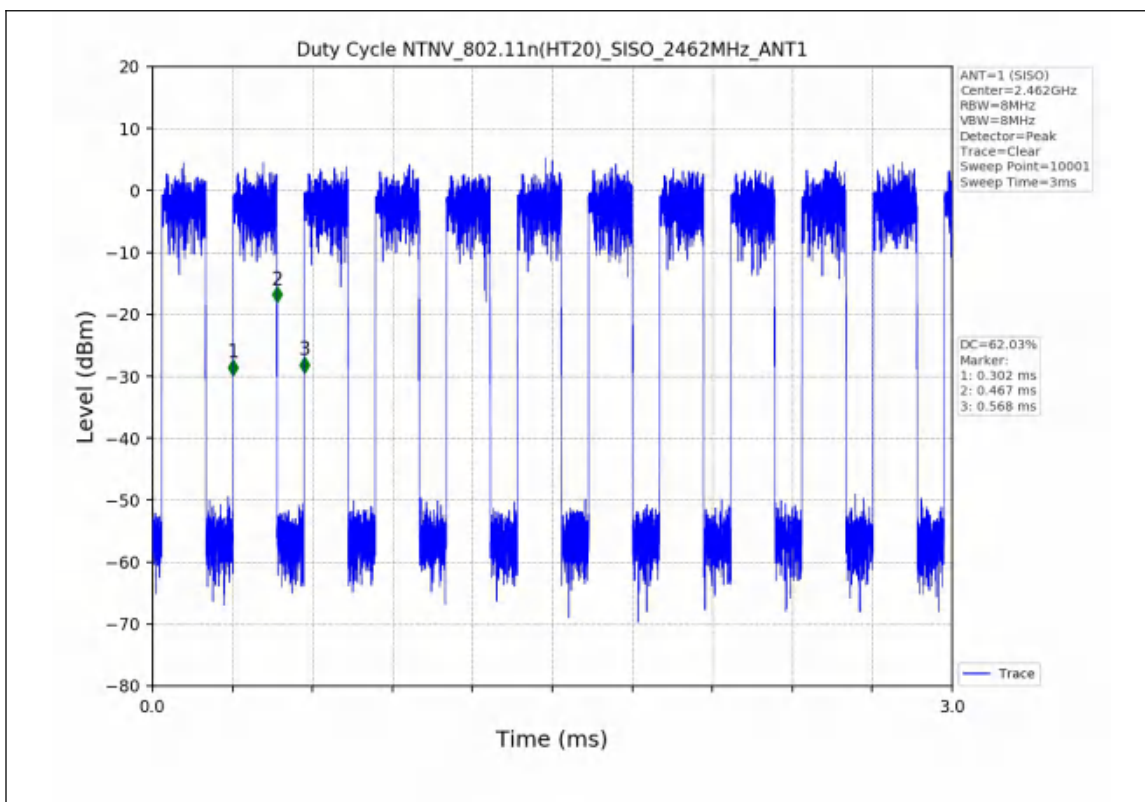
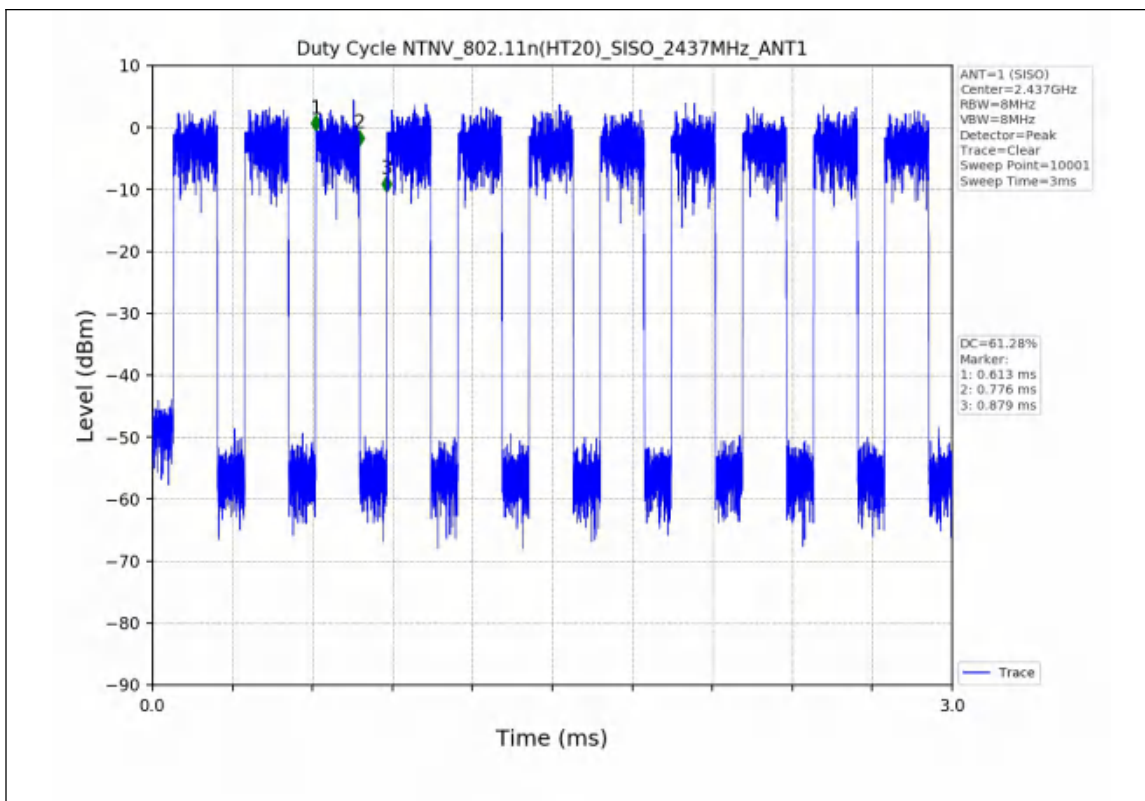
1.2 Test Graph

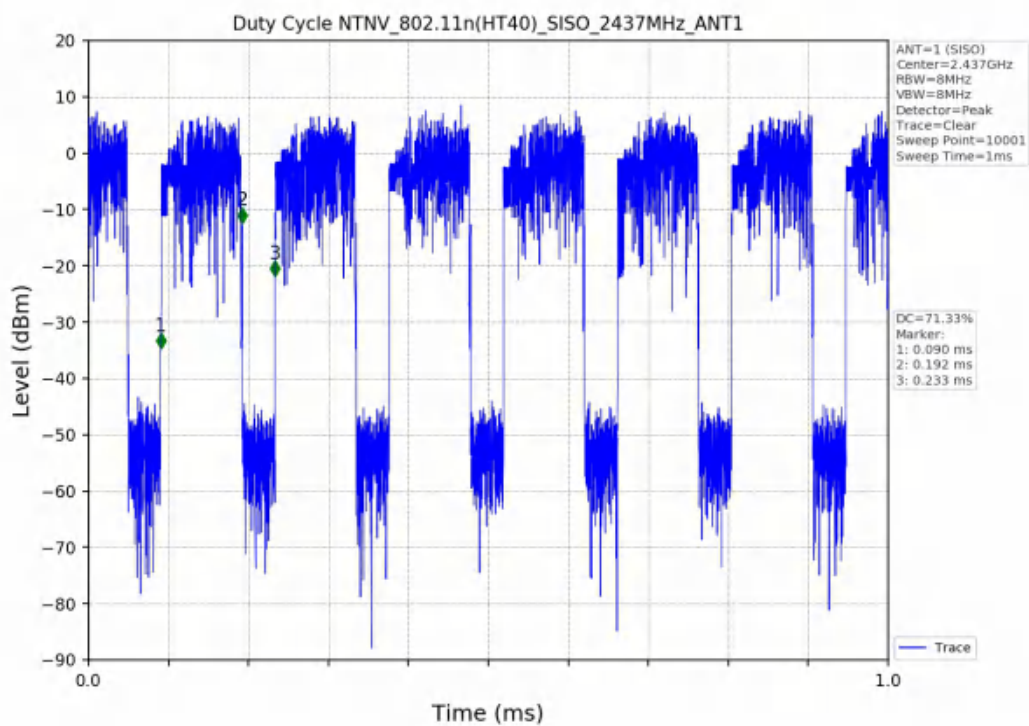
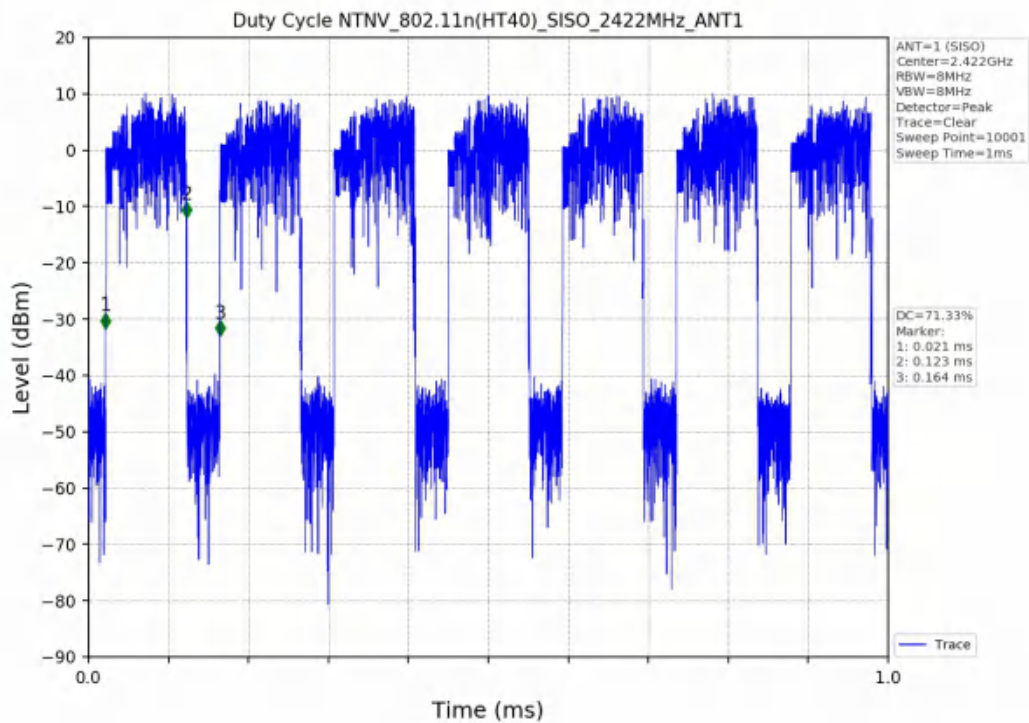


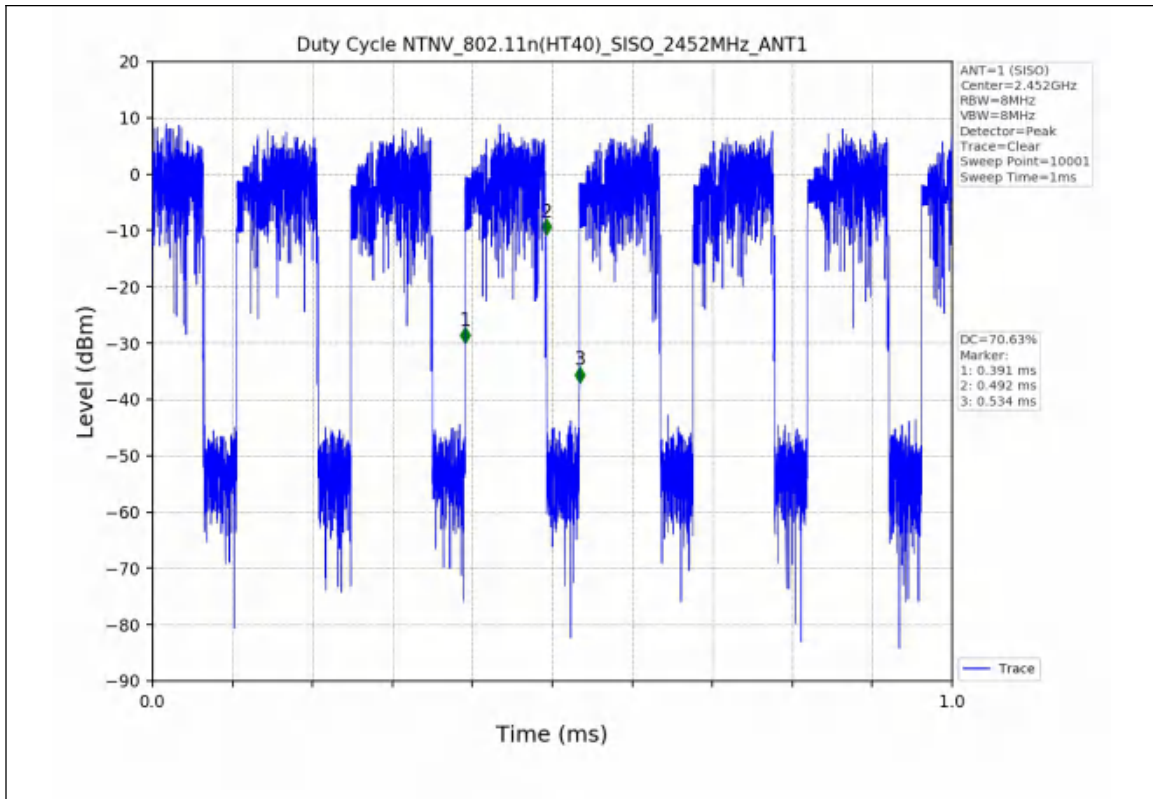












2. Bandwidth

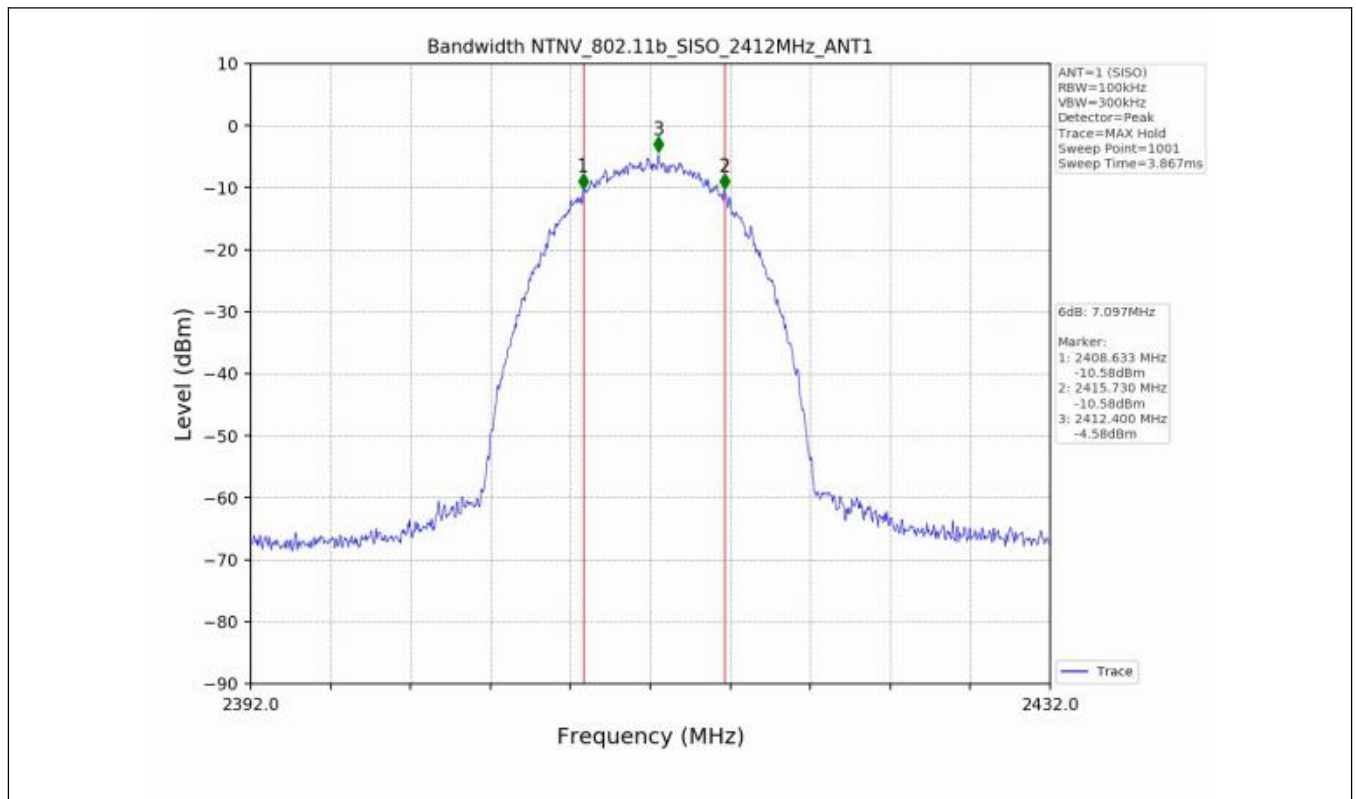
2.1 Test Result

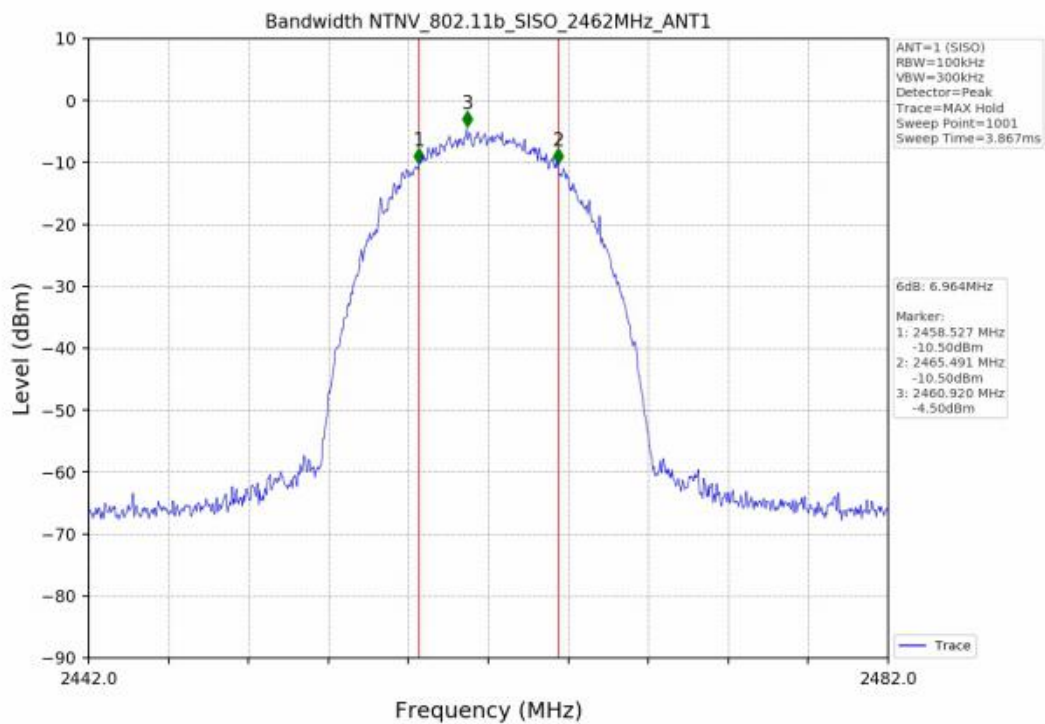
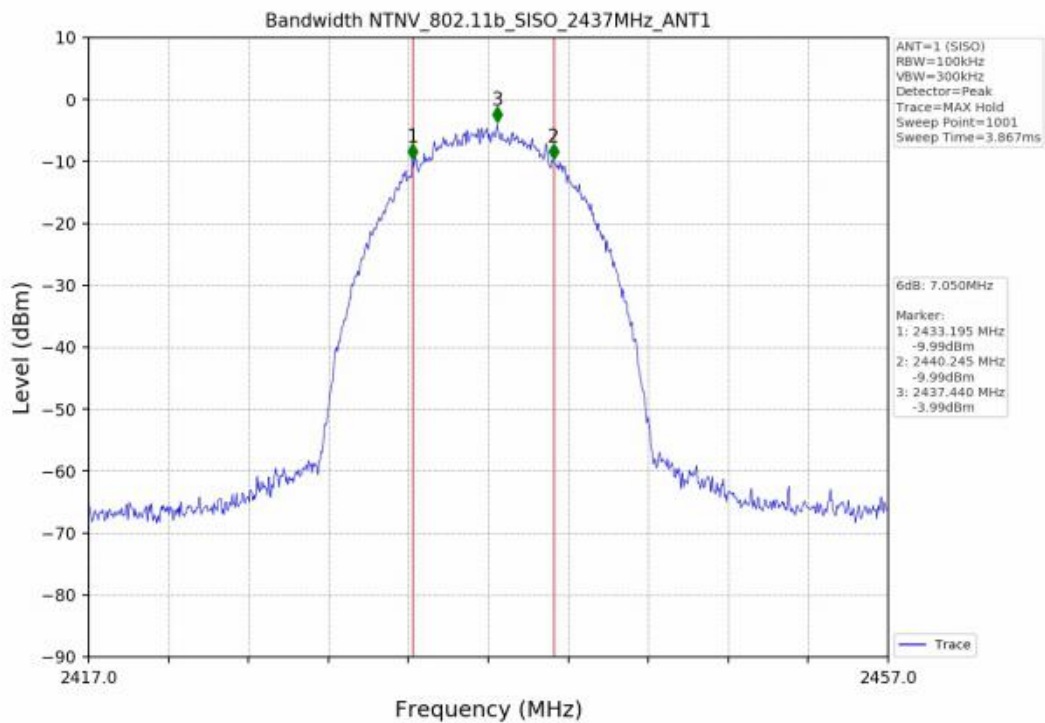
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	7.097	≥0.5	PASS
	2437	SISO	1	7.050	≥0.5	PASS
	2462	SISO	1	6.964	≥0.5	PASS
802.11g	2412	SISO	1	15.202	≥0.5	PASS
	2437	SISO	1	15.208	≥0.5	PASS
	2462	SISO	1	15.182	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	16.007	≥0.5	PASS
	2437	SISO	1	16.412	≥0.5	PASS
	2462	SISO	1	15.202	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.411	≥0.5	PASS
	2437	SISO	1	35.837	≥0.5	PASS
	2452	SISO	1	35.239	≥0.5	PASS

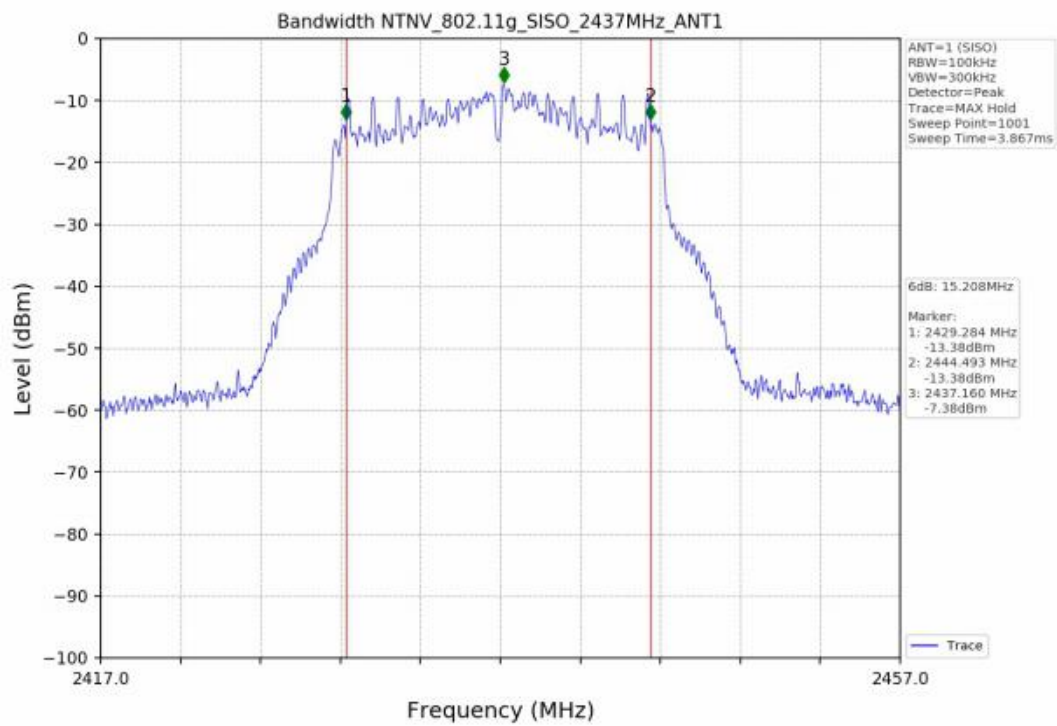
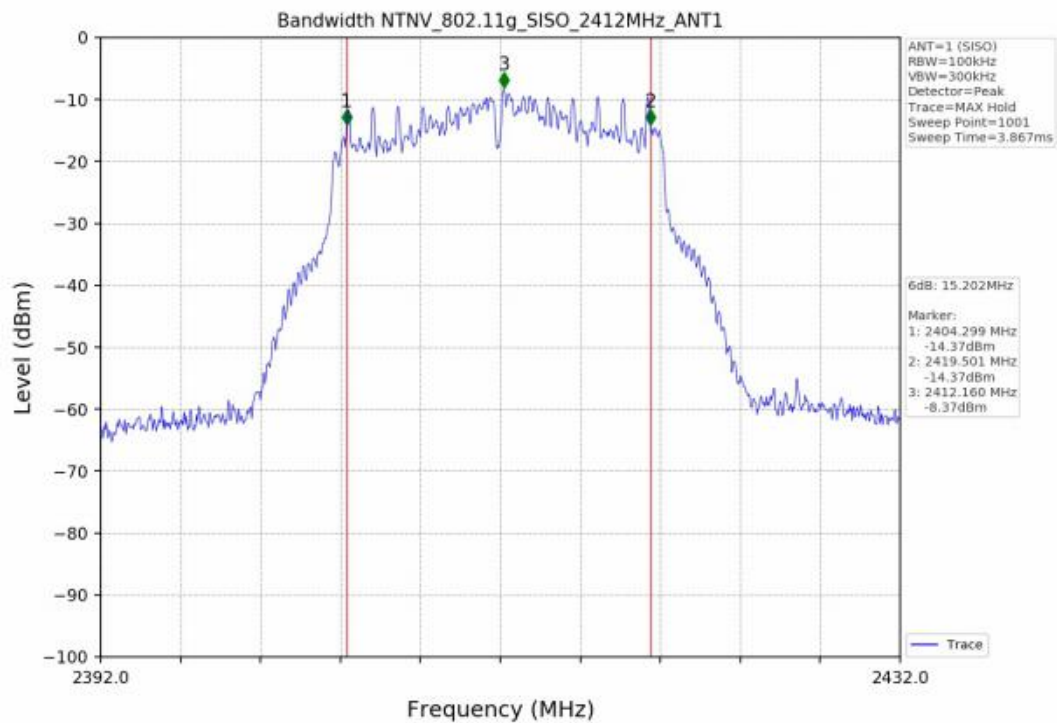
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	10.507	Only for Report Use
	2437	SISO	1	10.594	Only for Report Use
	2462	SISO	1	10.613	Only for Report Use
802.11g	2412	SISO	1	16.337	Only for Report Use
	2437	SISO	1	16.387	Only for Report Use
	2462	SISO	1	16.272	Only for Report Use

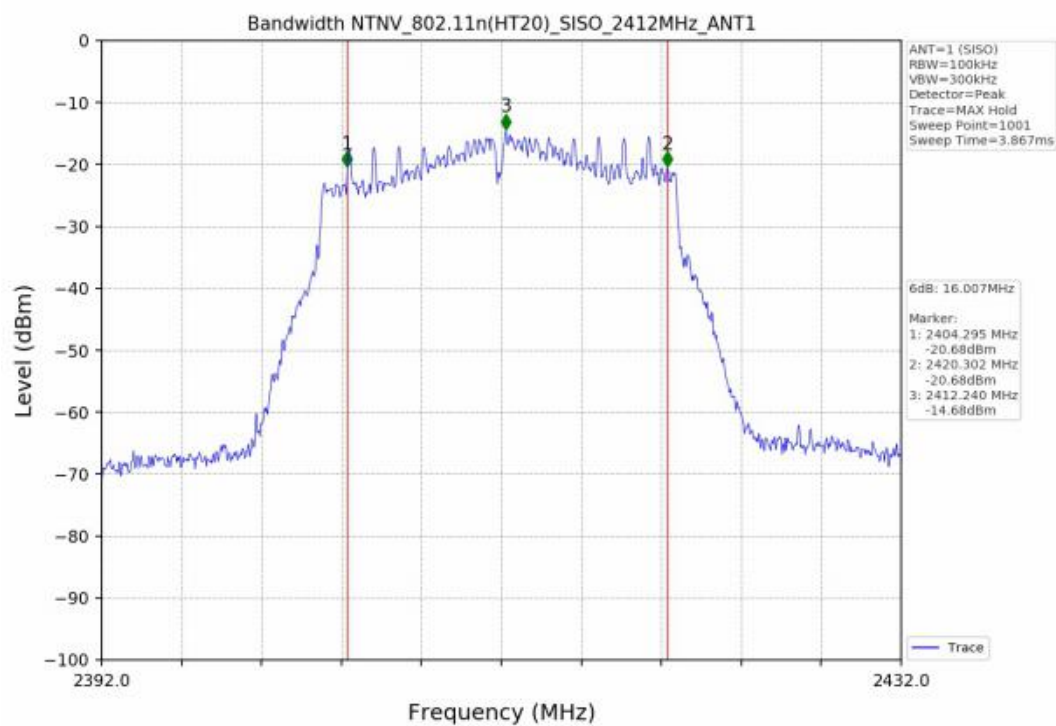
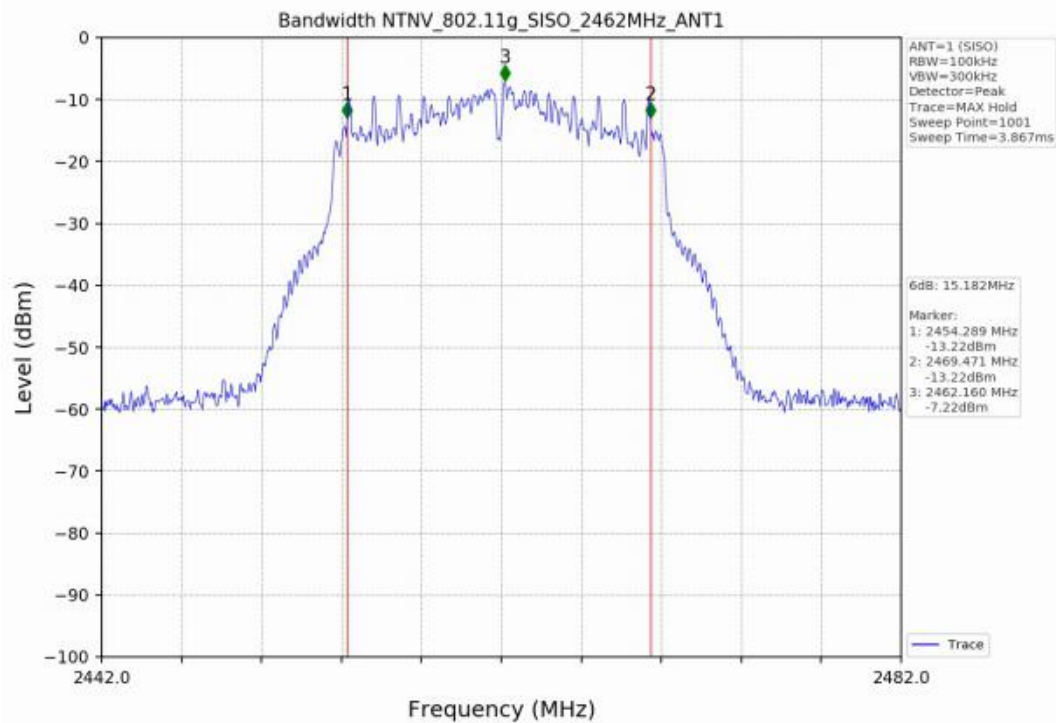
802.11n(HT20)	2412	SISO	1	17.625	Only for Report Use
	2437	SISO	1	17.738	Only for Report Use
	2462	SISO	1	17.578	Only for Report Use
802.11n(HT40)	2422	SISO	1	35.972	Only for Report Use
	2437	SISO	1	36.195	Only for Report Use
	2452	SISO	1	36.068	Only for Report Use

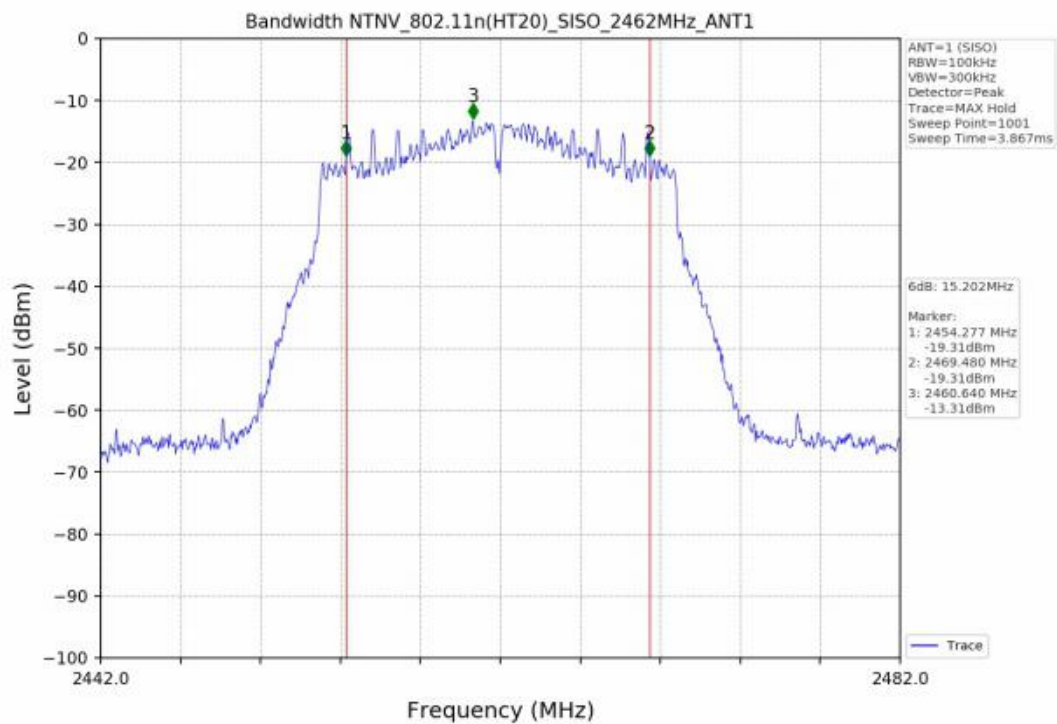
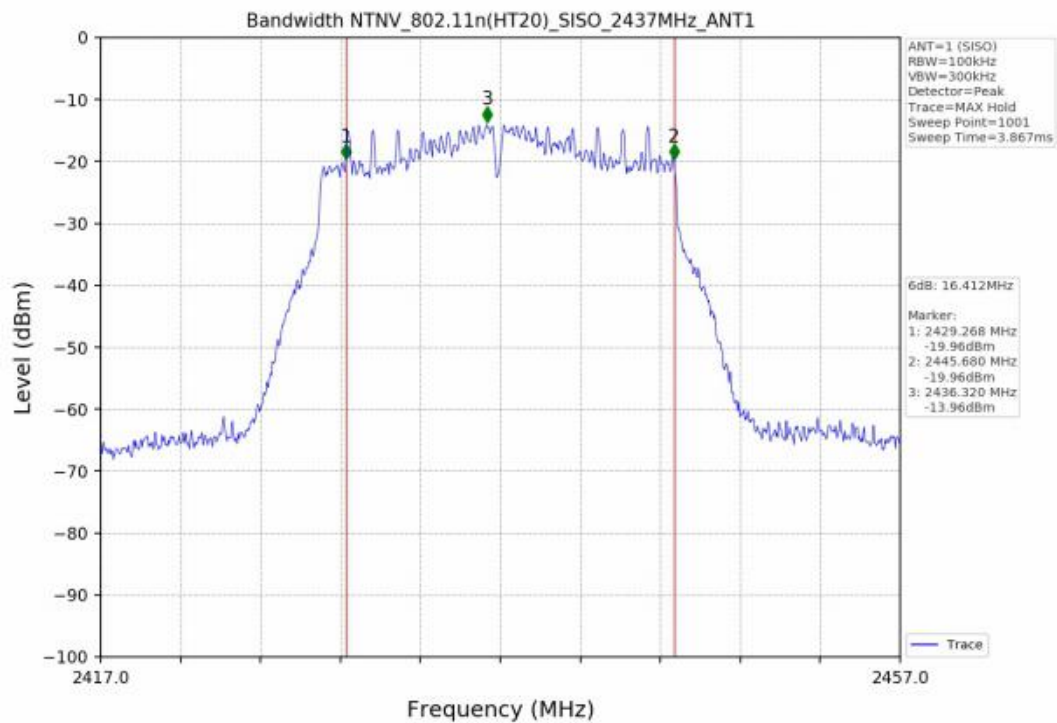
2.2 Test Graph - 6dB Bandwidth

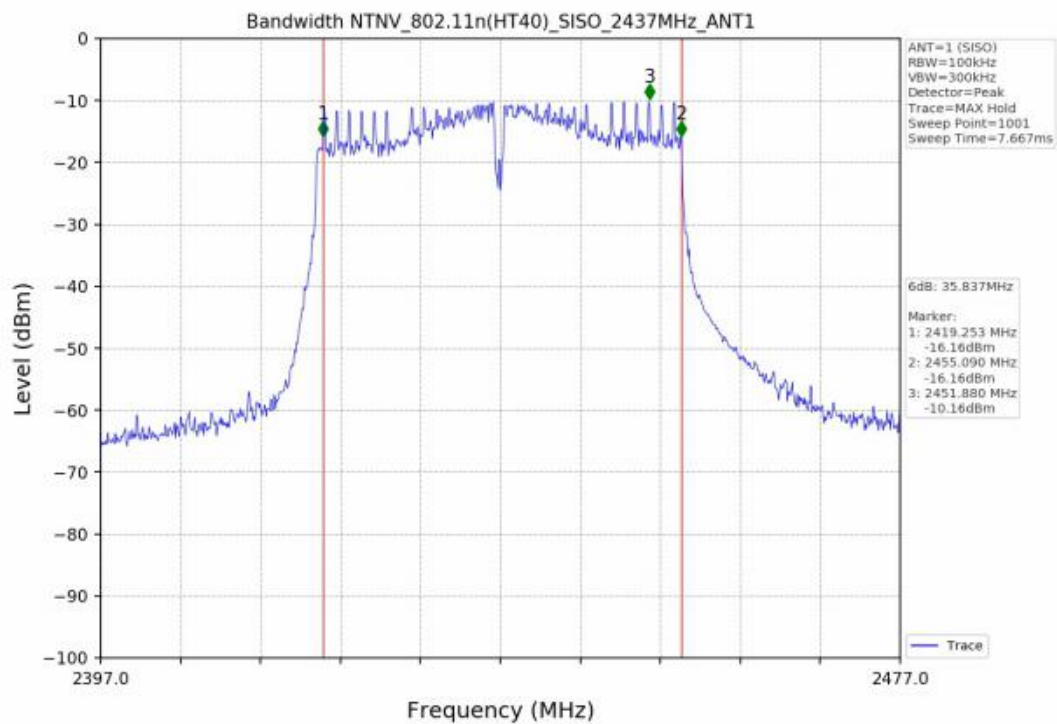
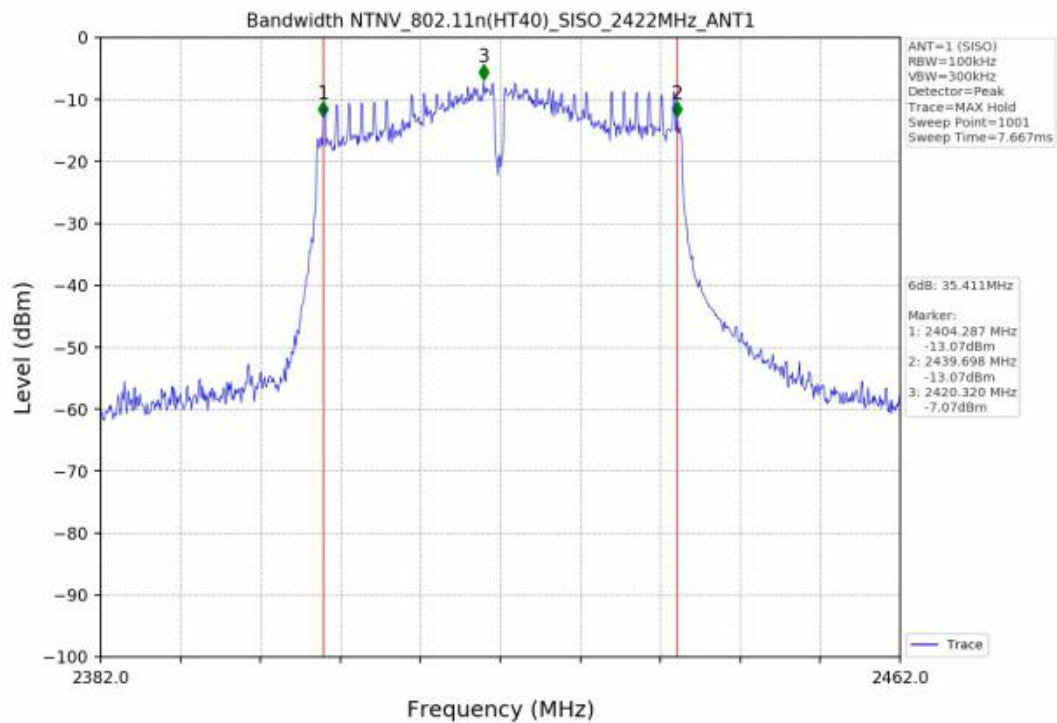


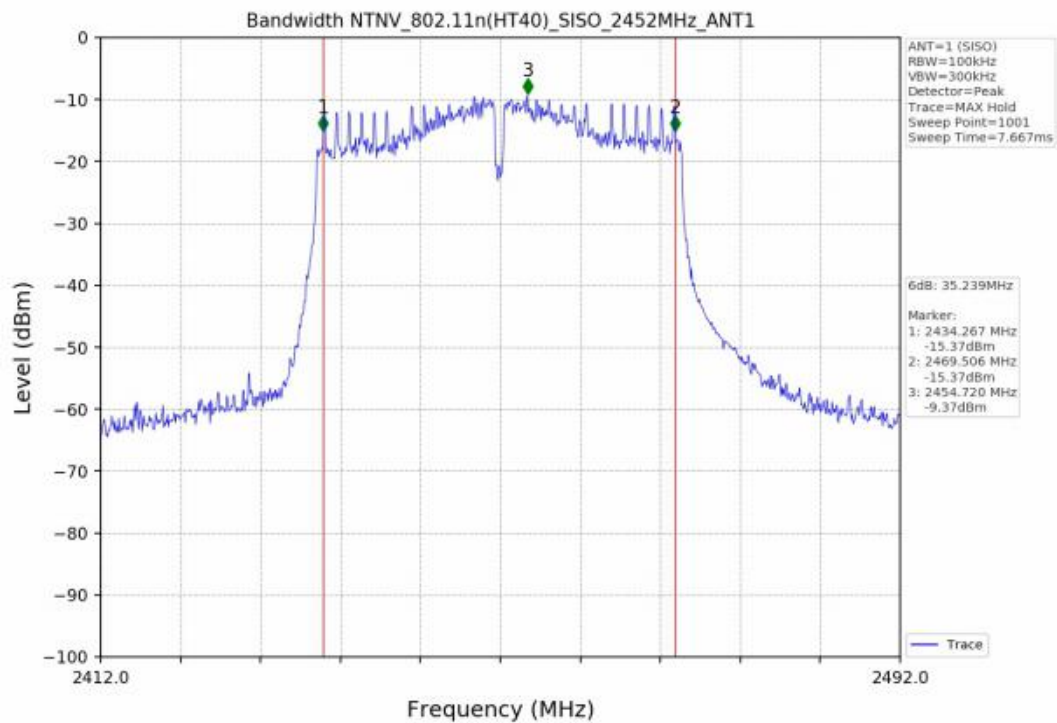




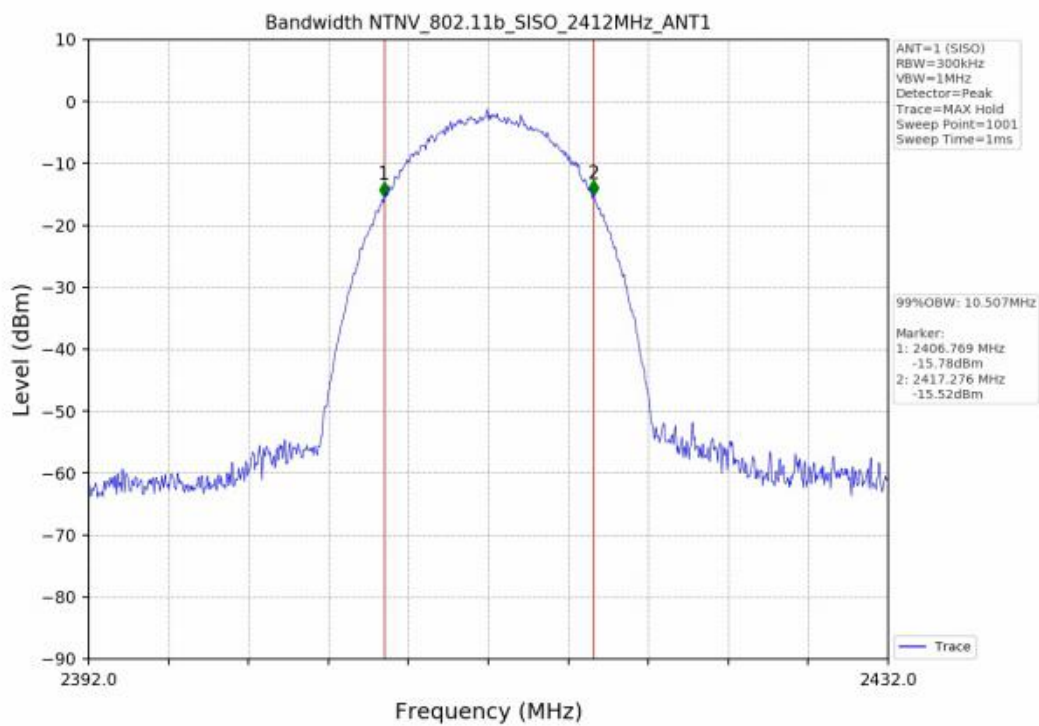


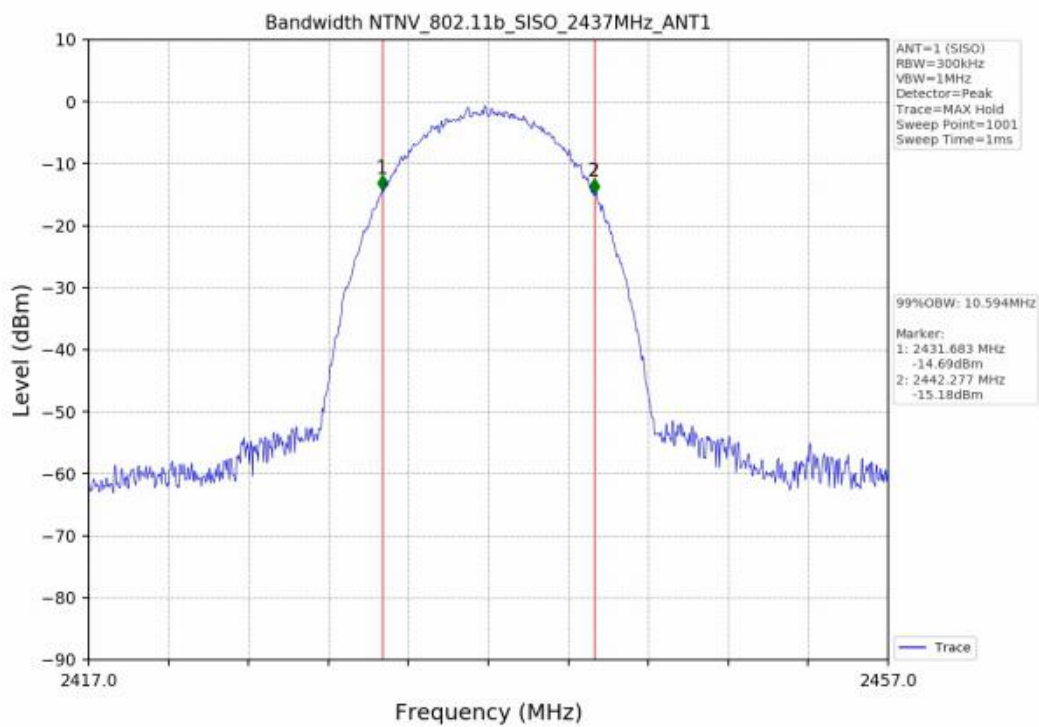


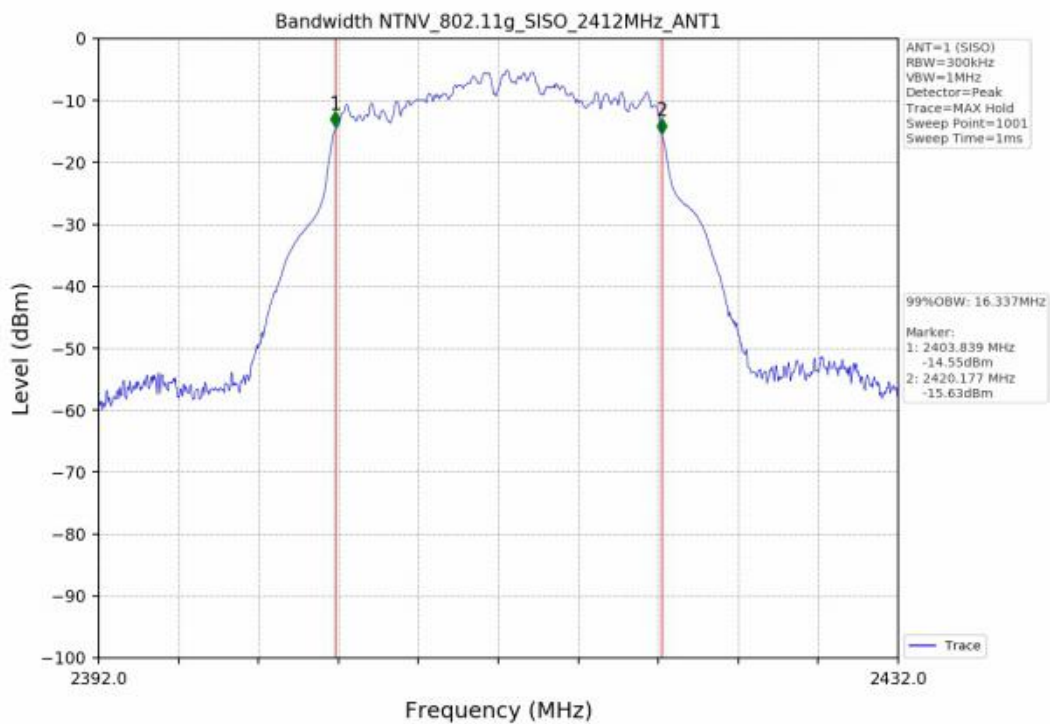
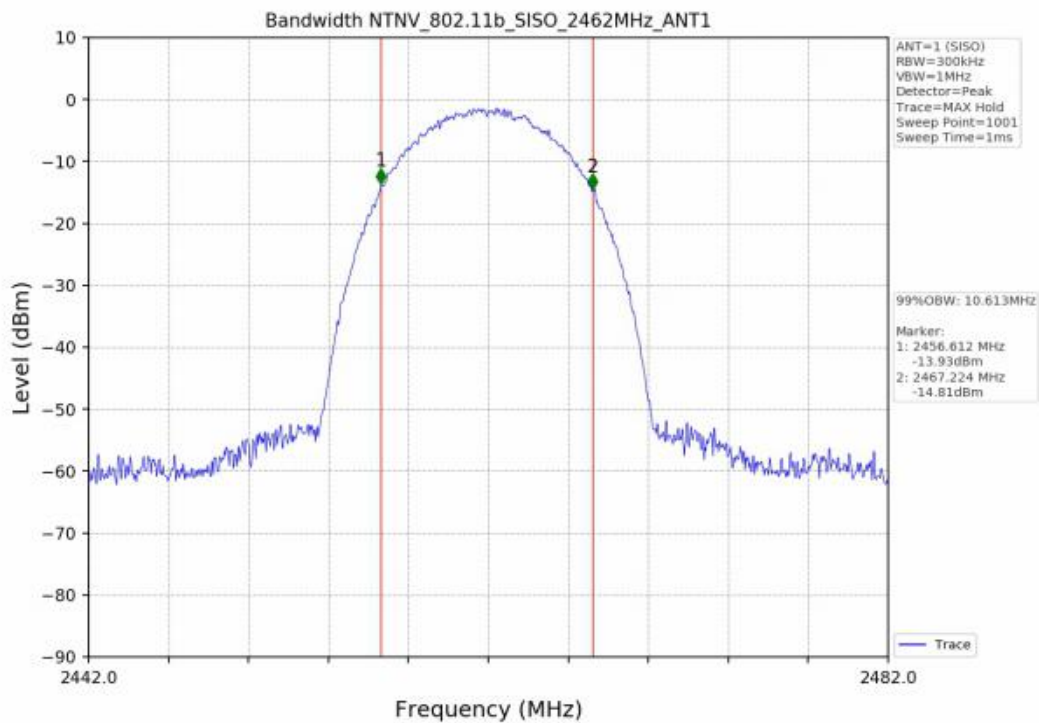


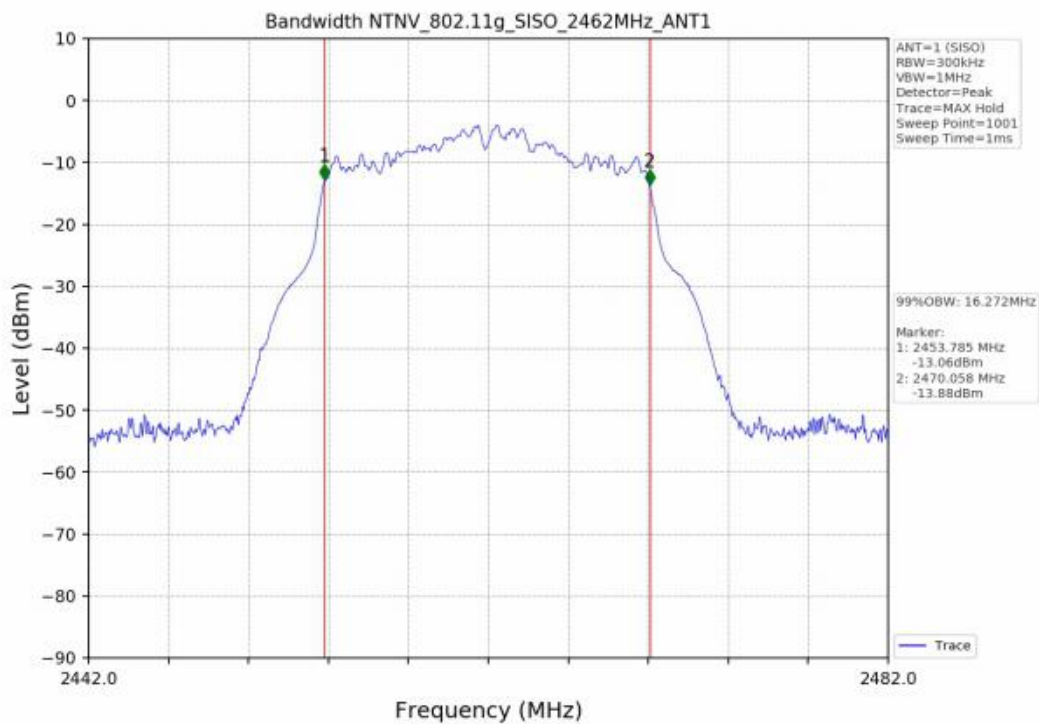
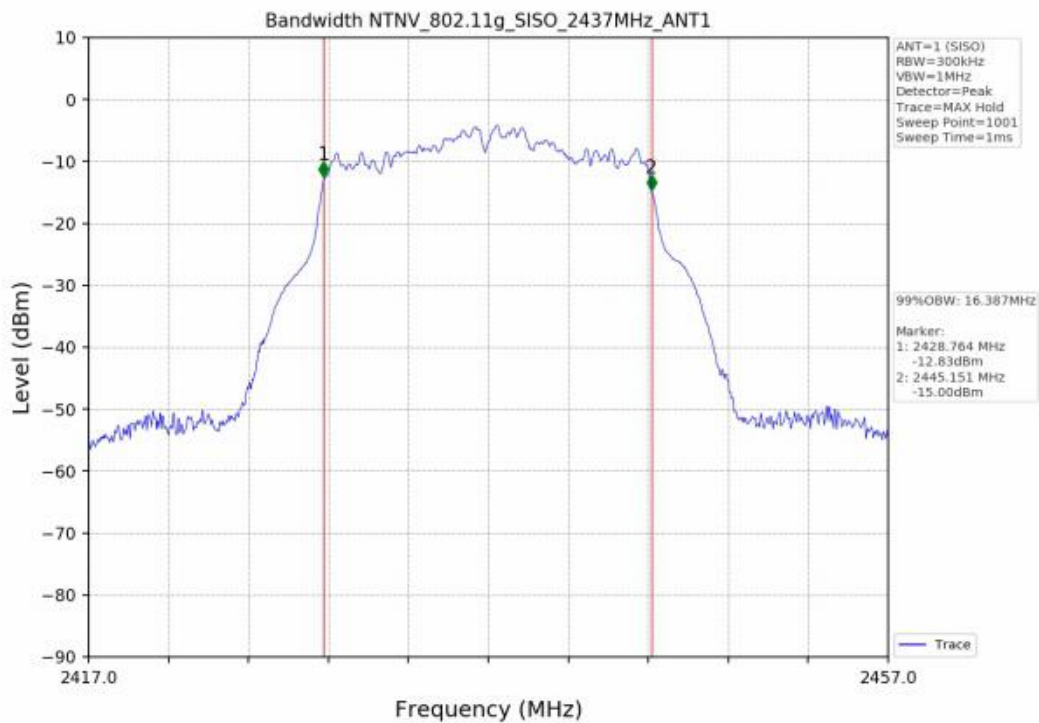


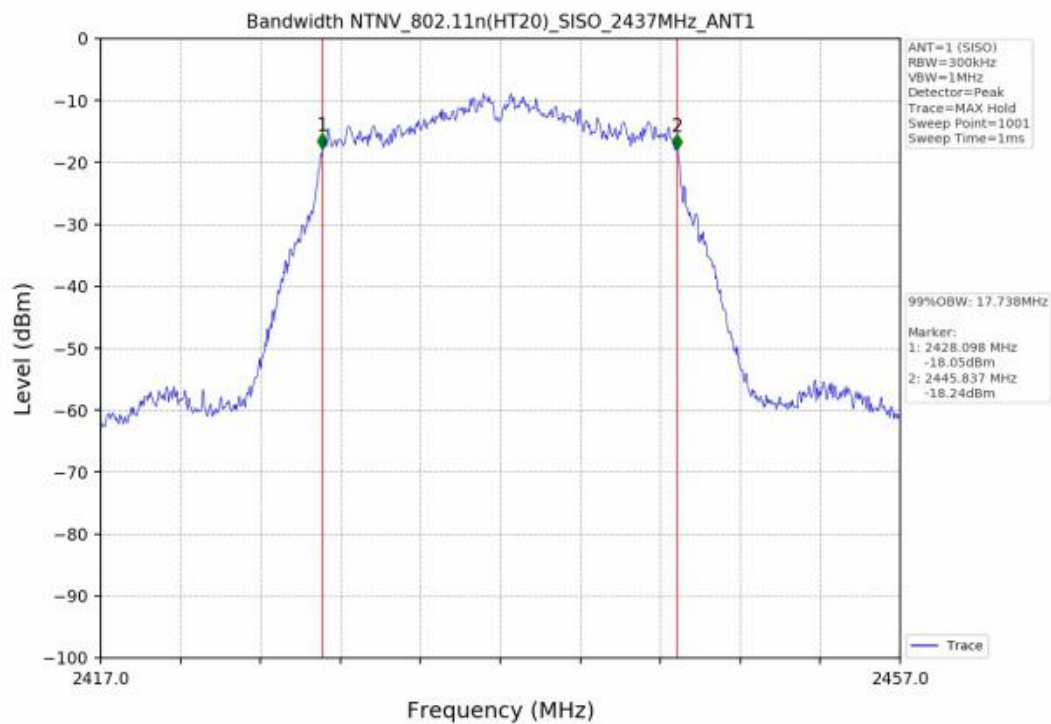
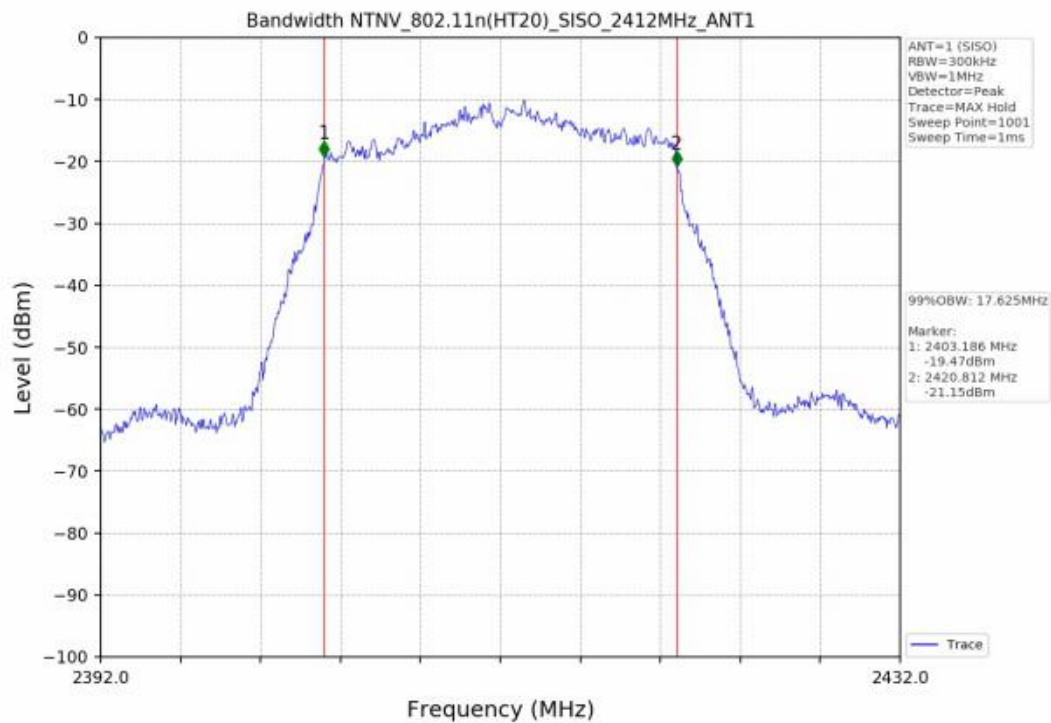
2.3 Test Graph - 99% Occupied Bandwidth

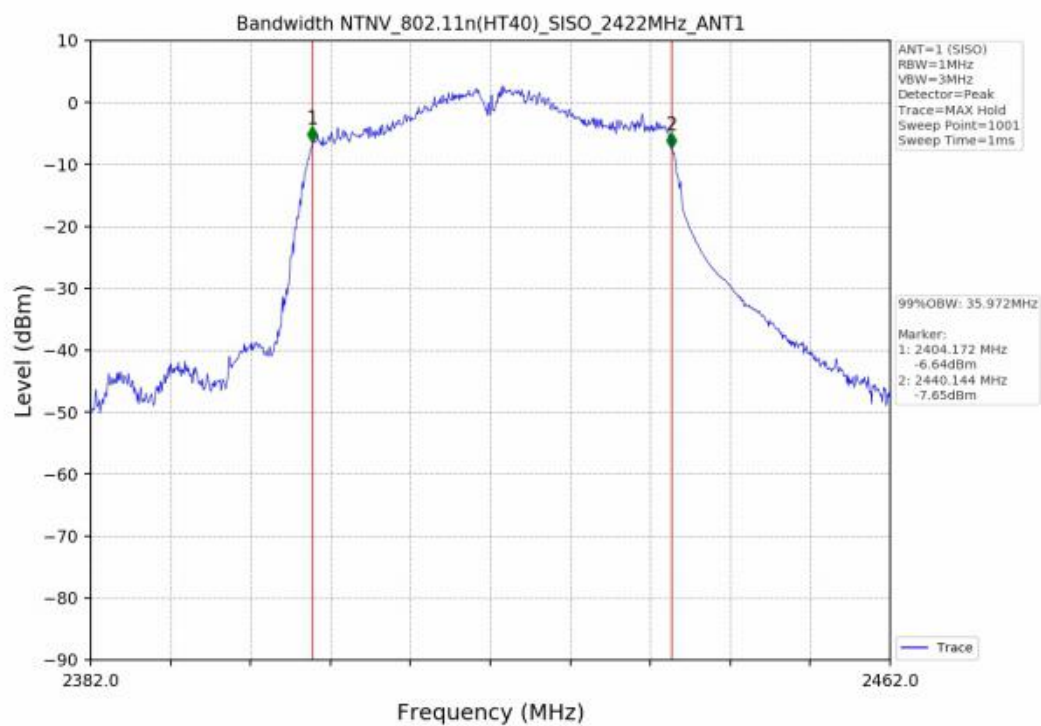
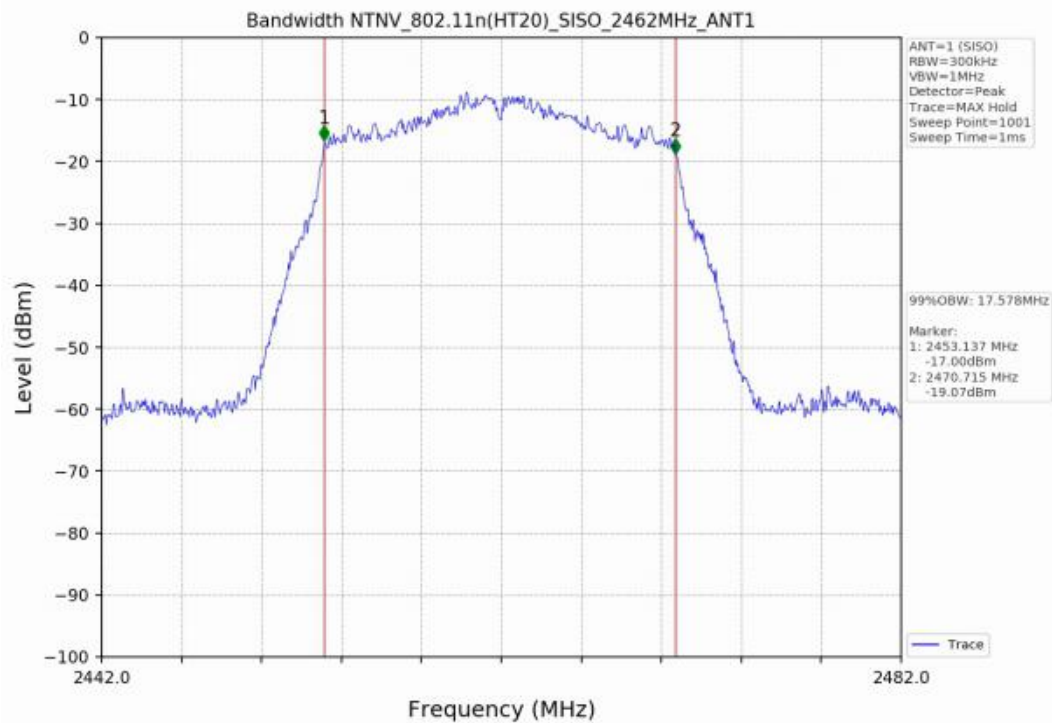


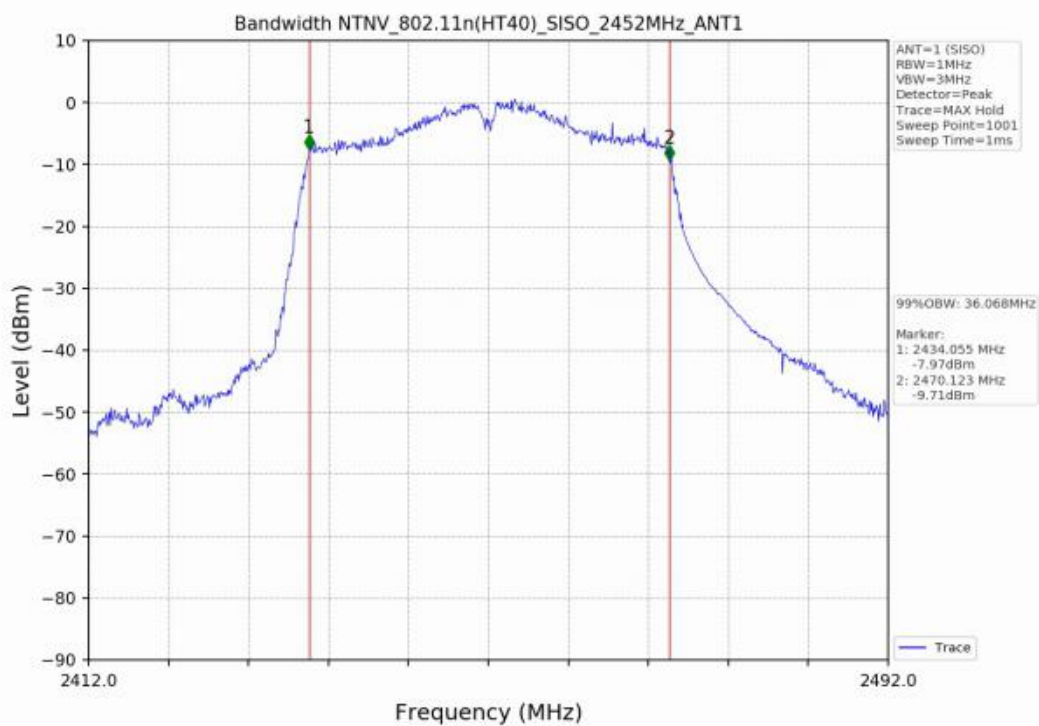
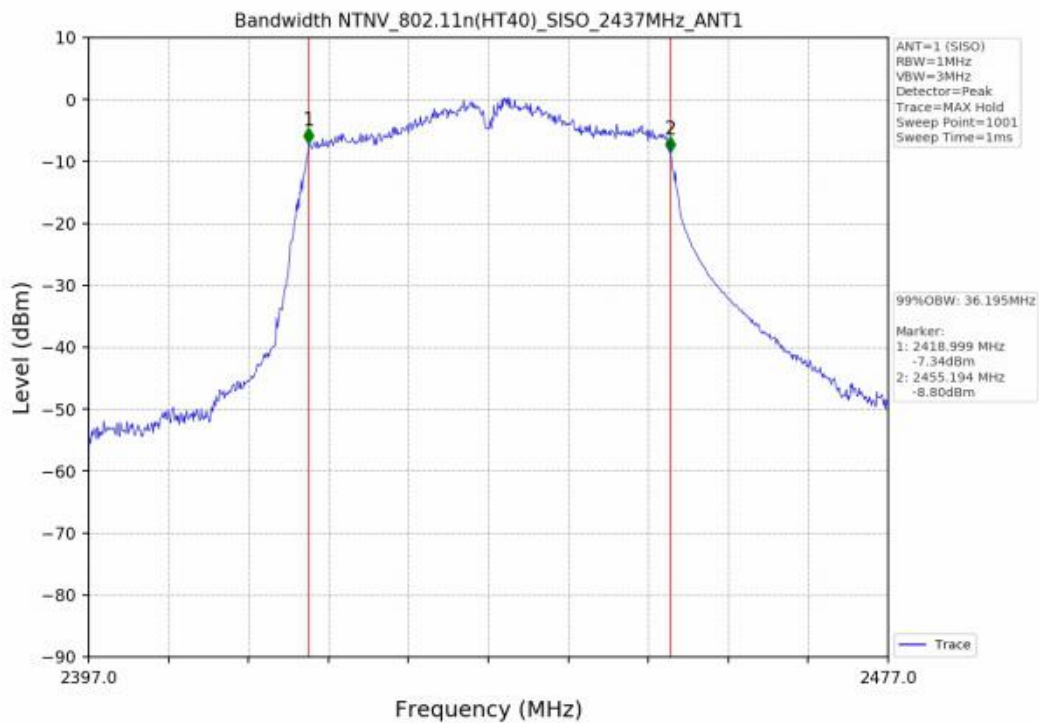










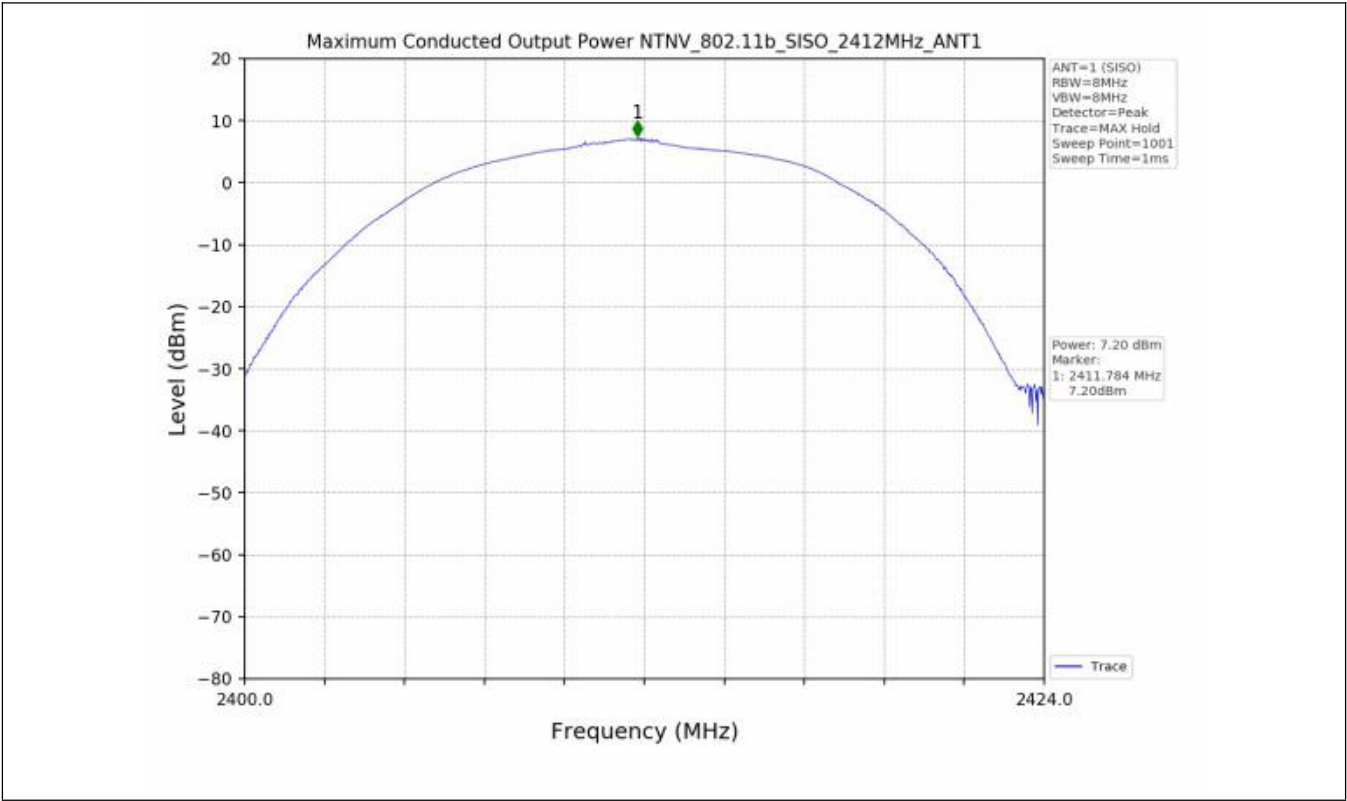


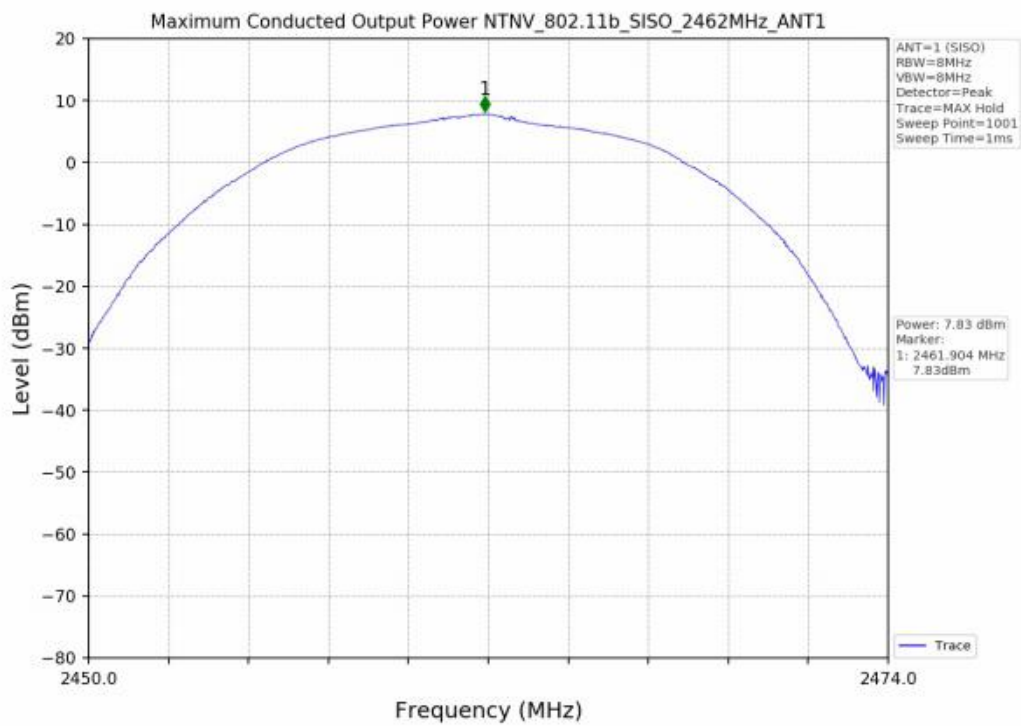
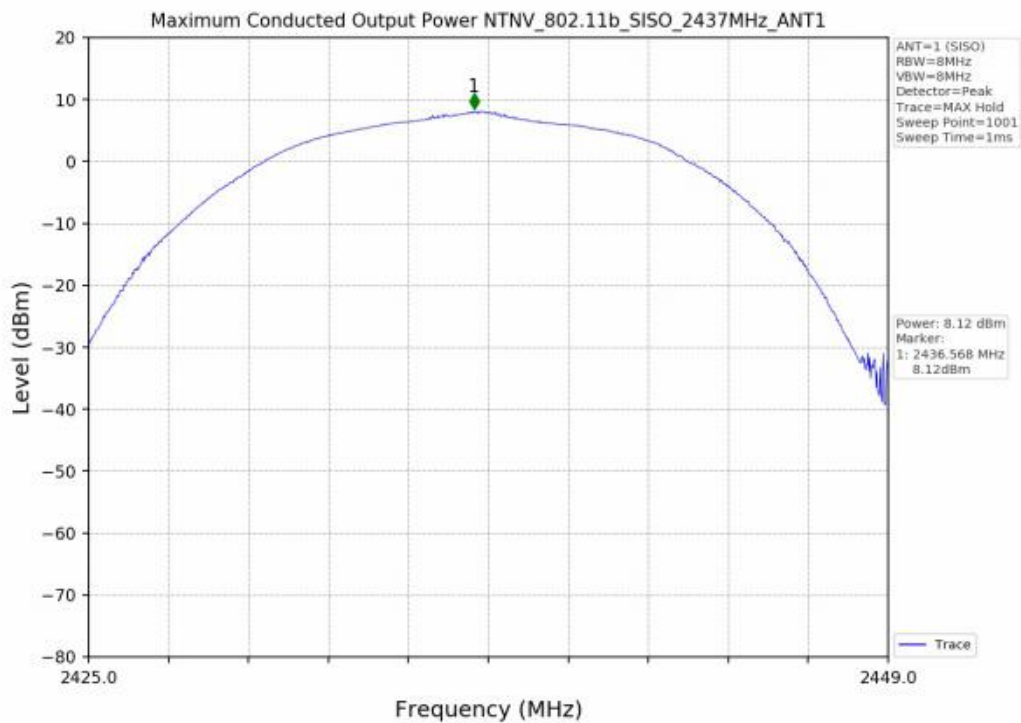
3. Maximum Conducted Output Power

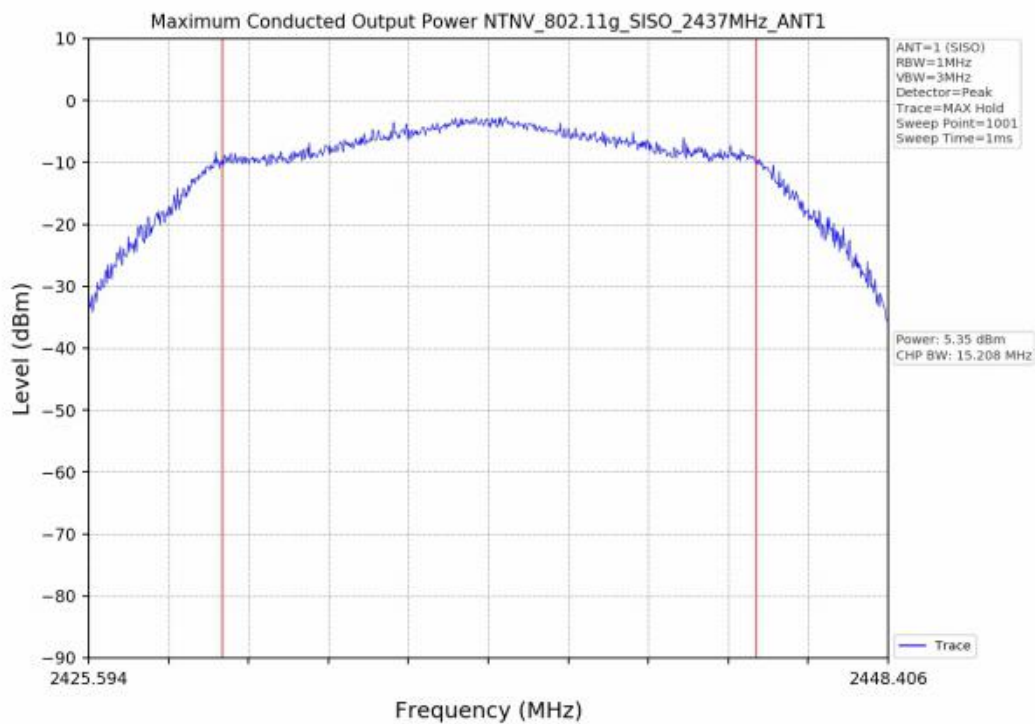
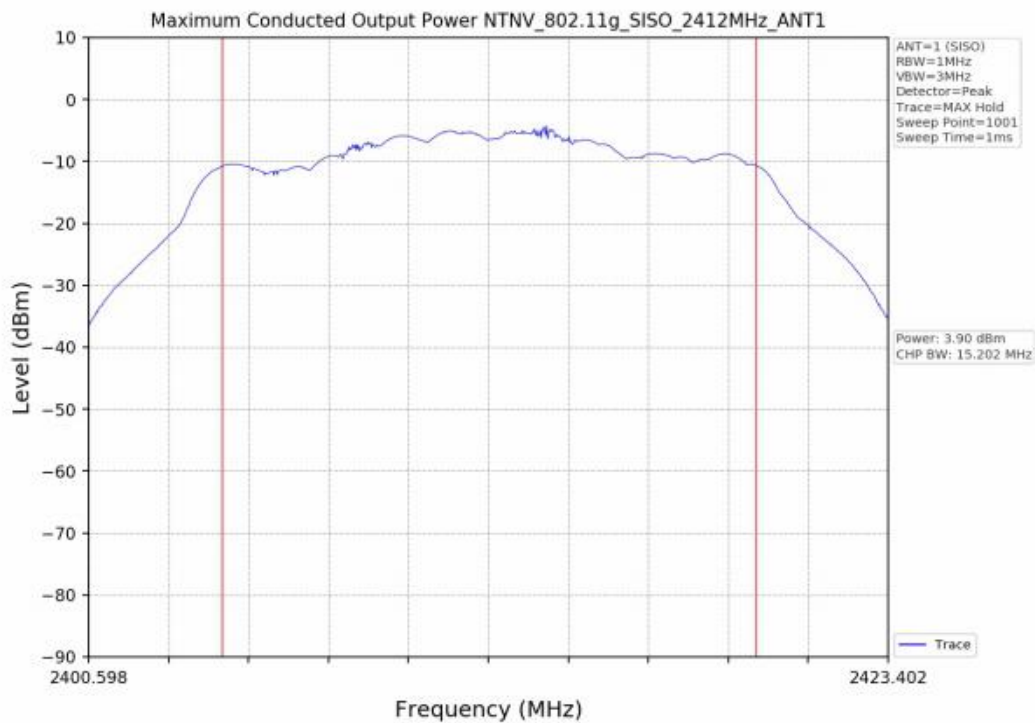
3.1 Test Result

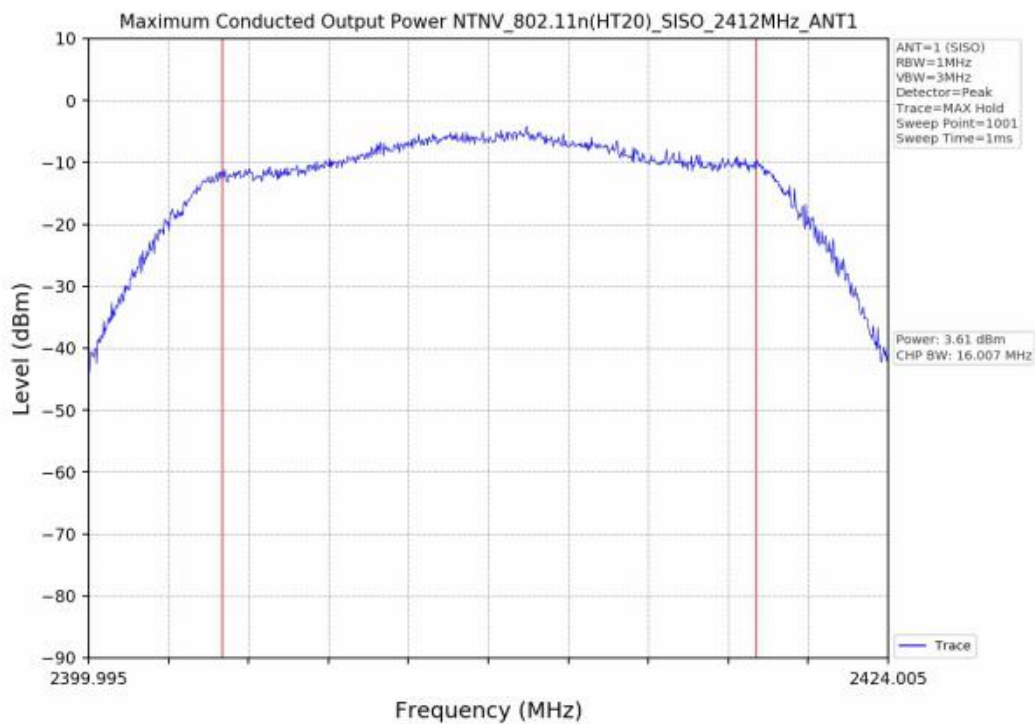
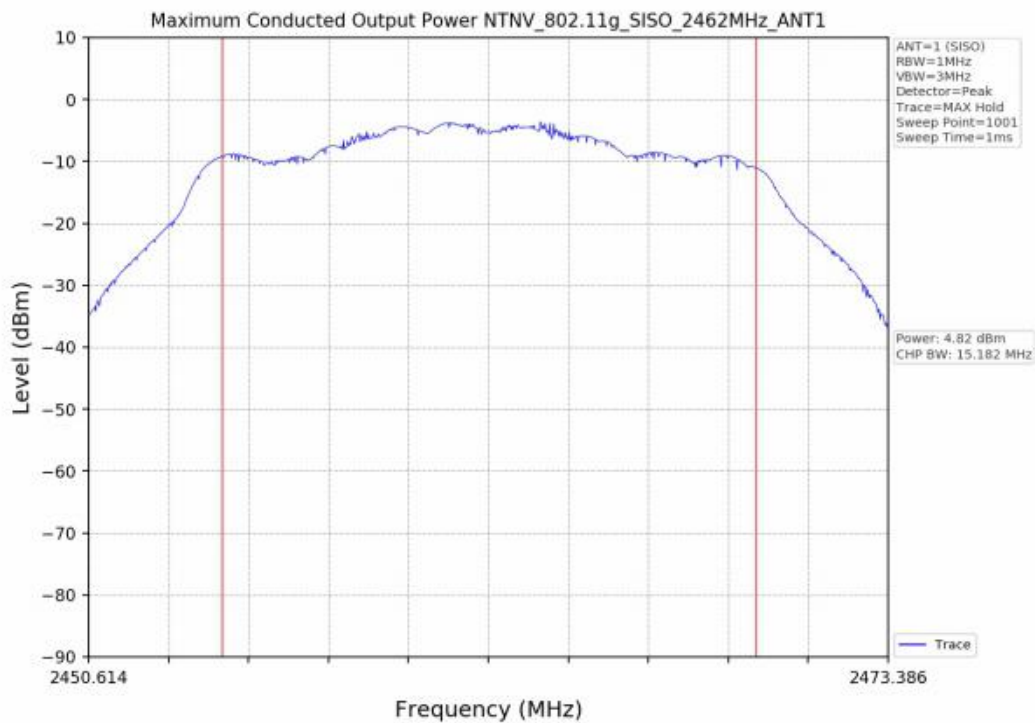
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	7.20	30	PASS
	2437	SISO	8.12	30	PASS
	2462	SISO	7.83	30	PASS
802.11g	2412	SISO	3.90	30	PASS
	2437	SISO	5.35	30	PASS
	2462	SISO	4.82	30	PASS
802.11n(HT20)	2412	SISO	3.61	30	PASS
	2437	SISO	4.55	30	PASS
	2462	SISO	4.27	30	PASS
802.11n(HT40)	2422	SISO	6.91	30	PASS
	2437	SISO	7.31	30	PASS
	2452	SISO	7.52	30	PASS

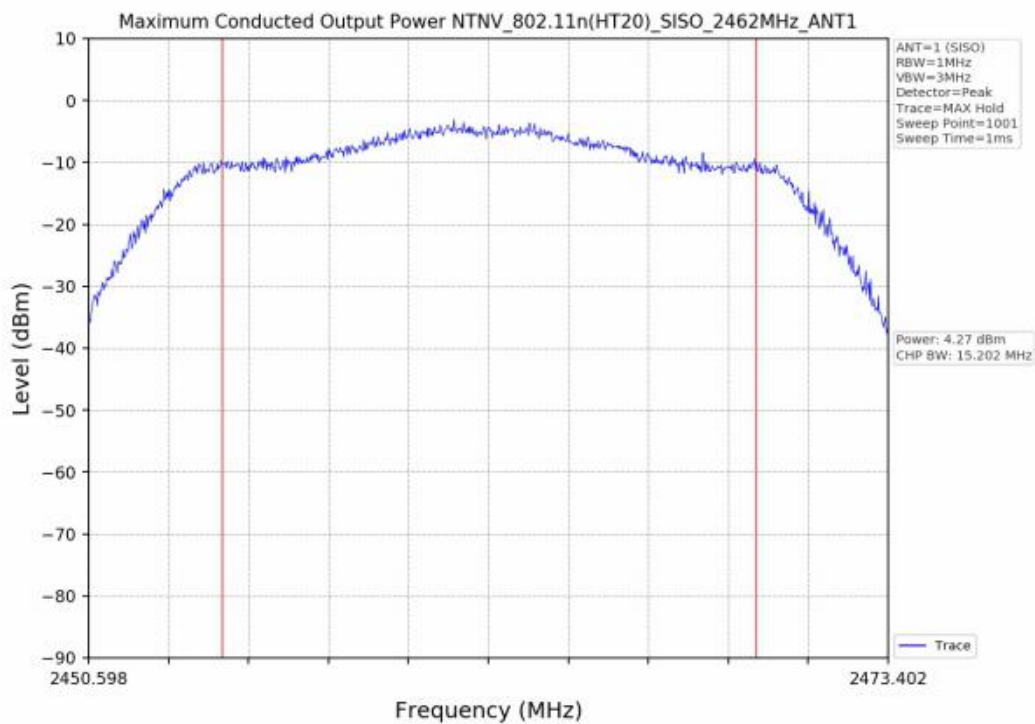
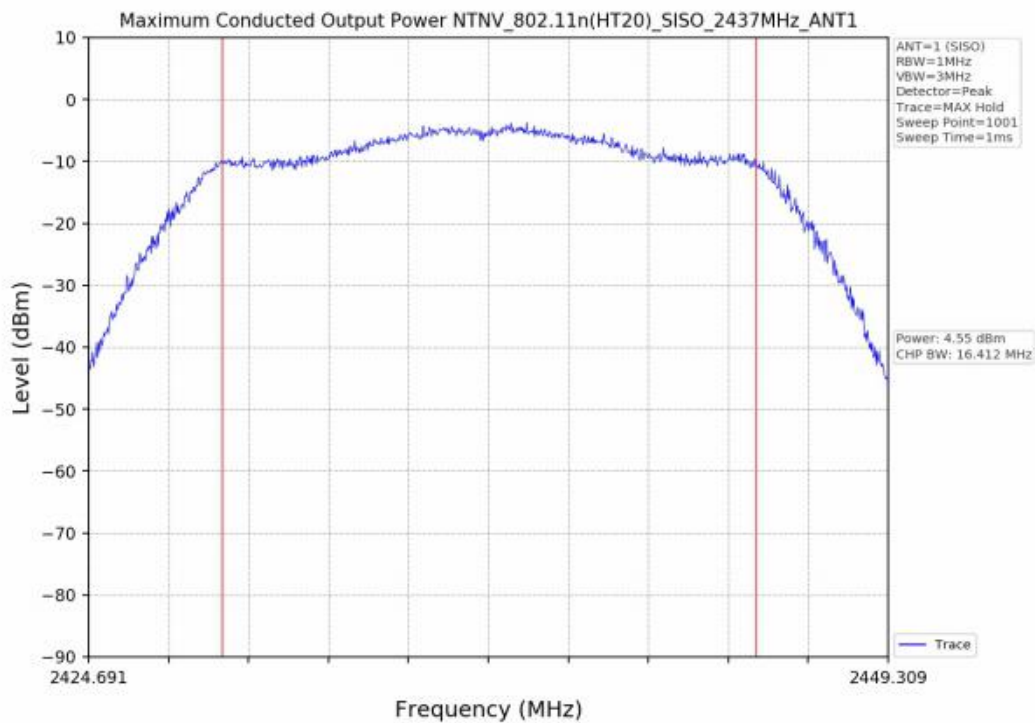
3.2 Test Graph

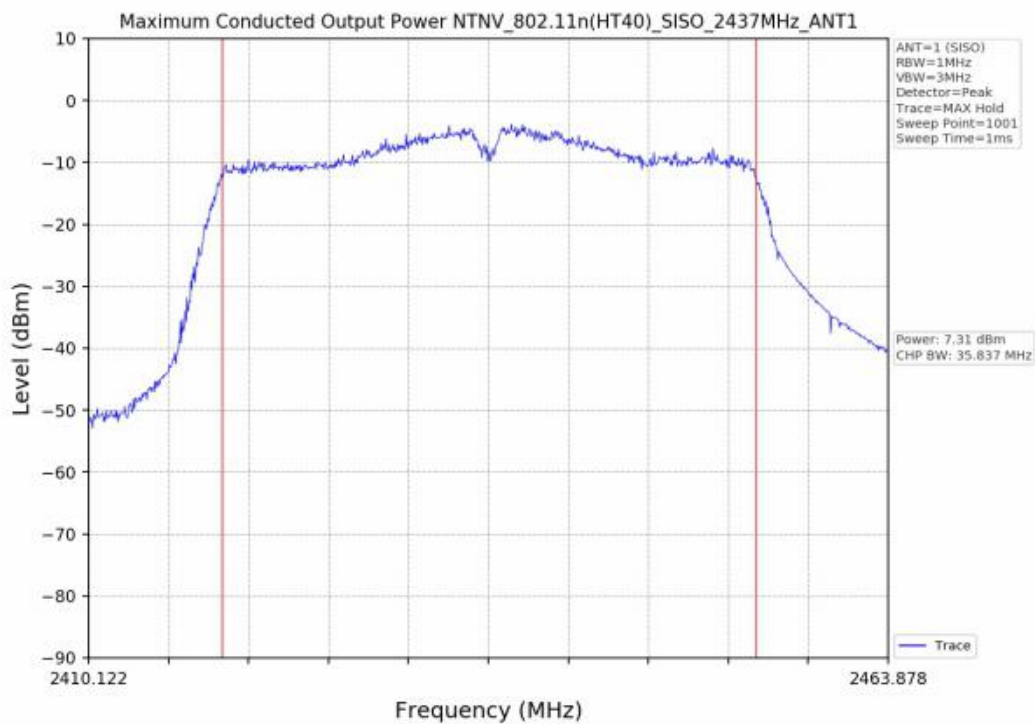
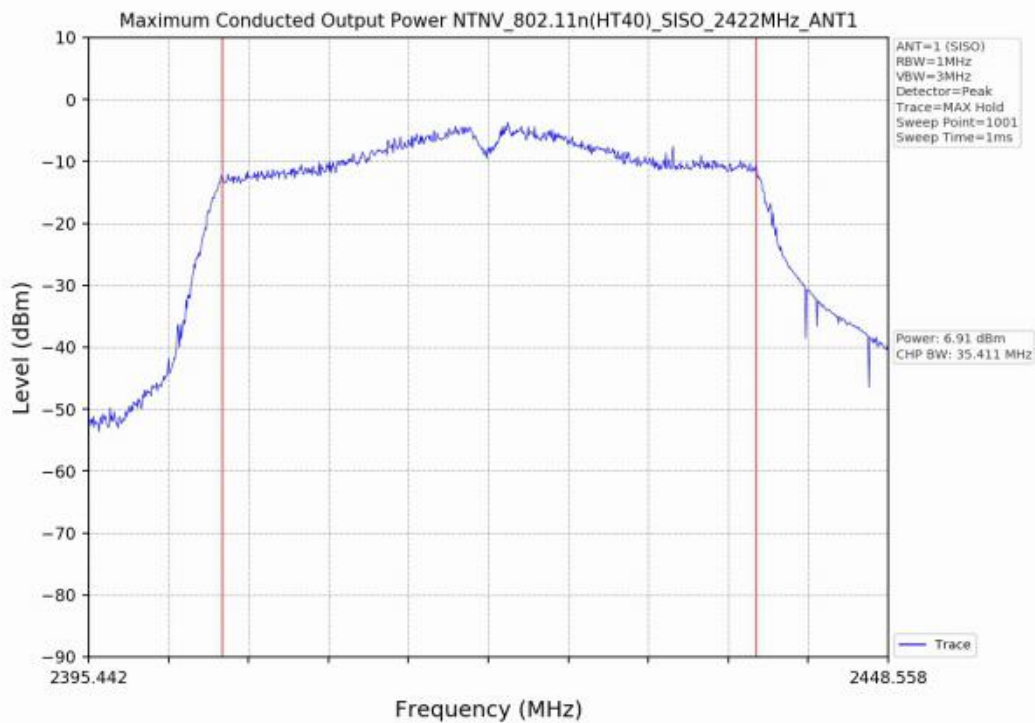


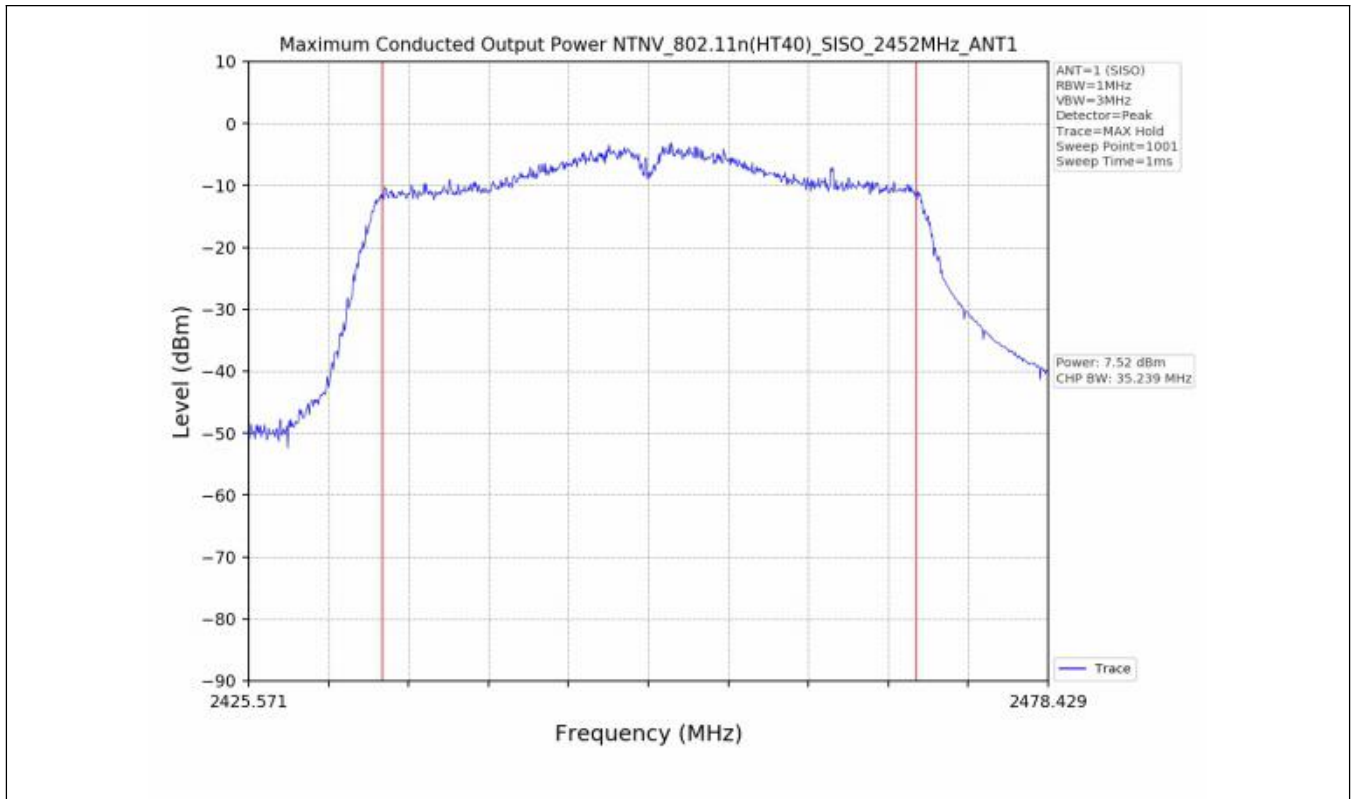










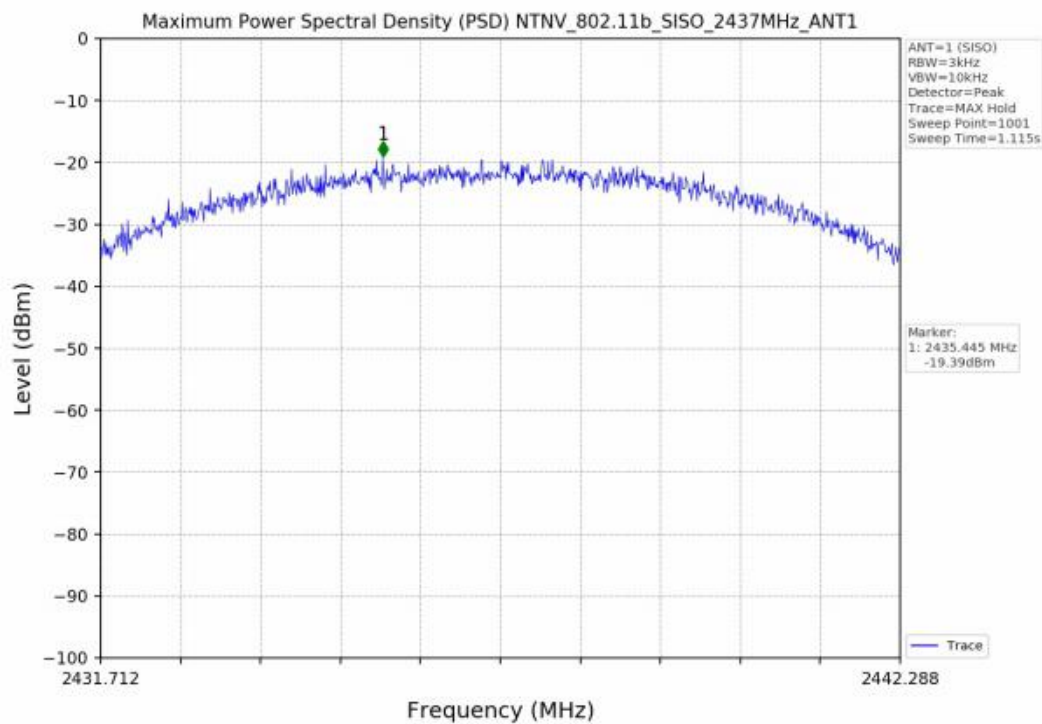
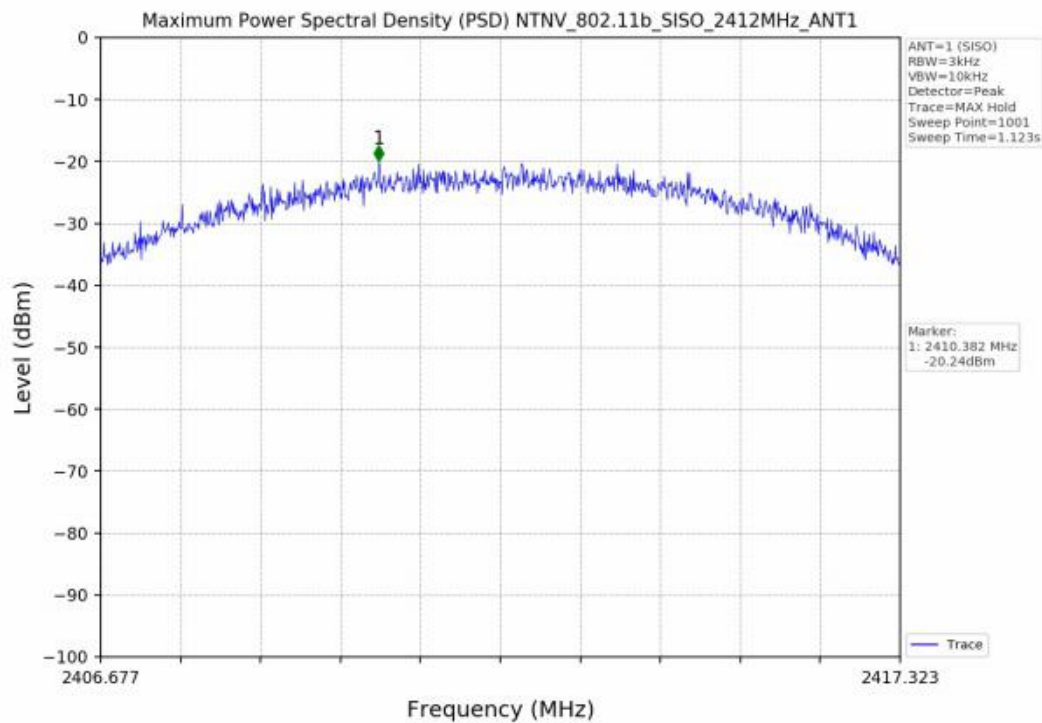


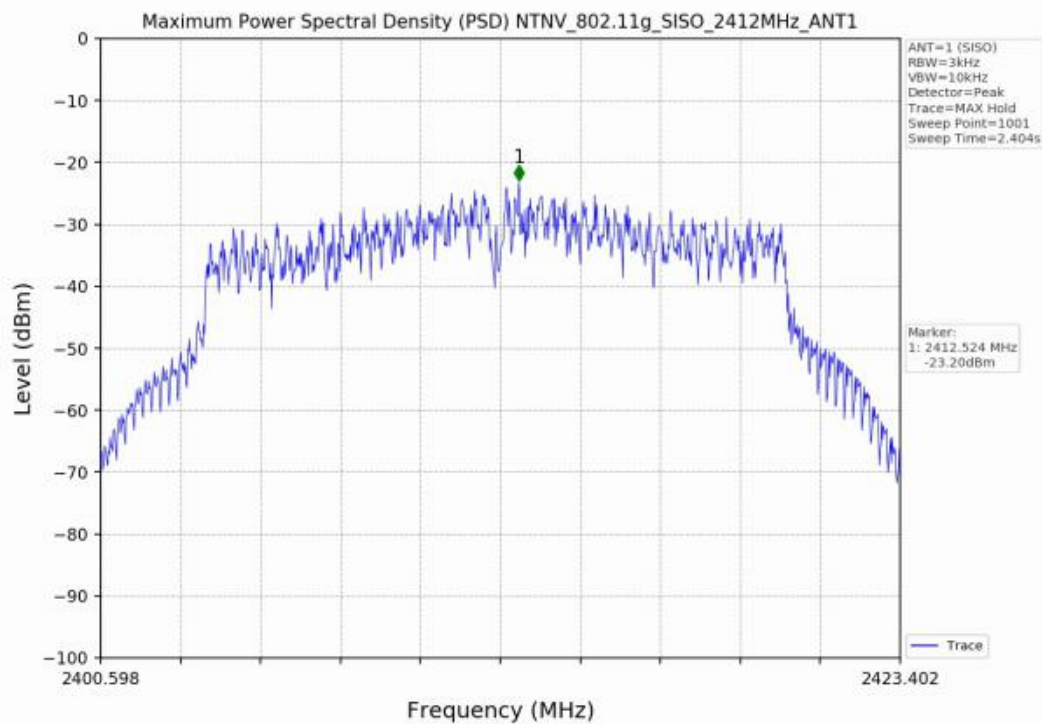
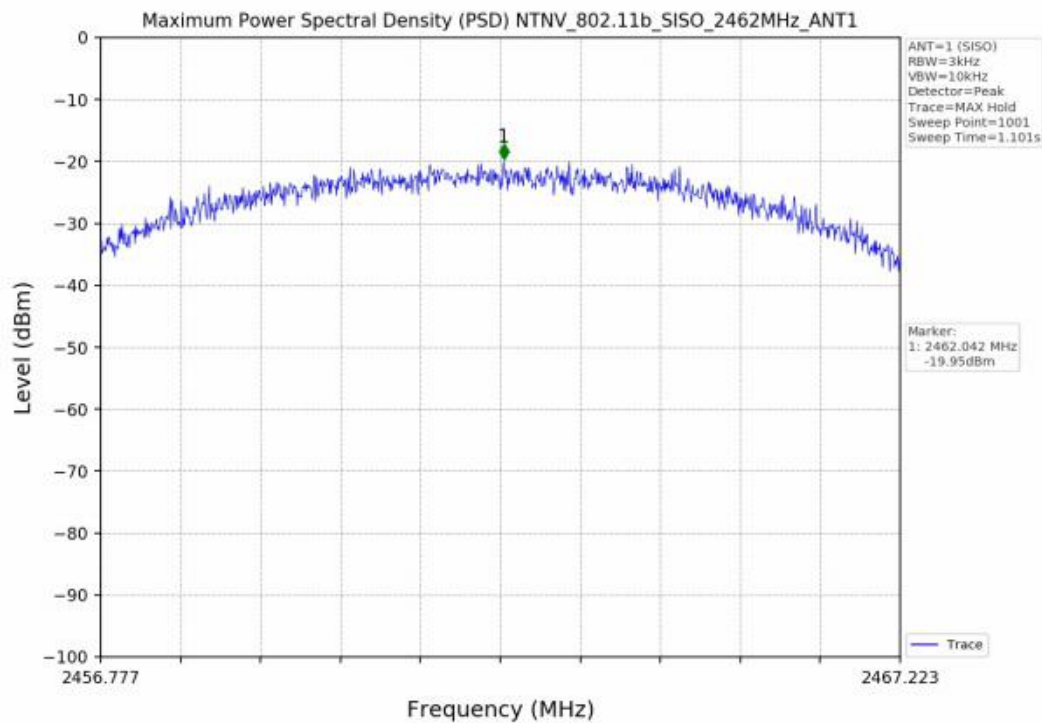
4. Maximum Power Spectral Density (PSD)

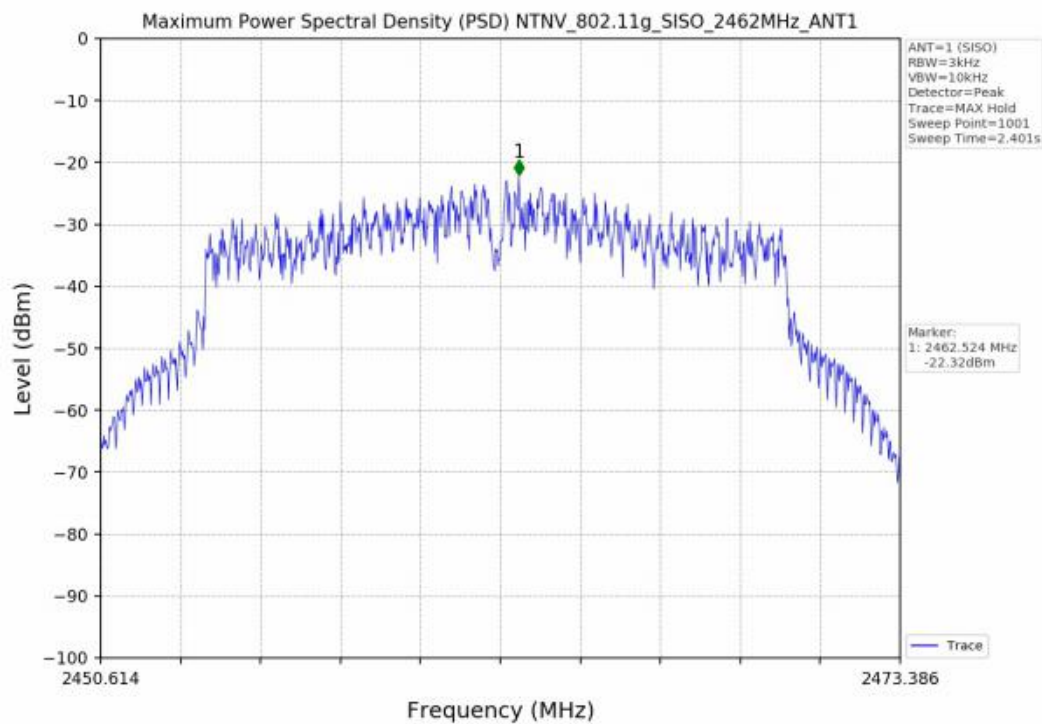
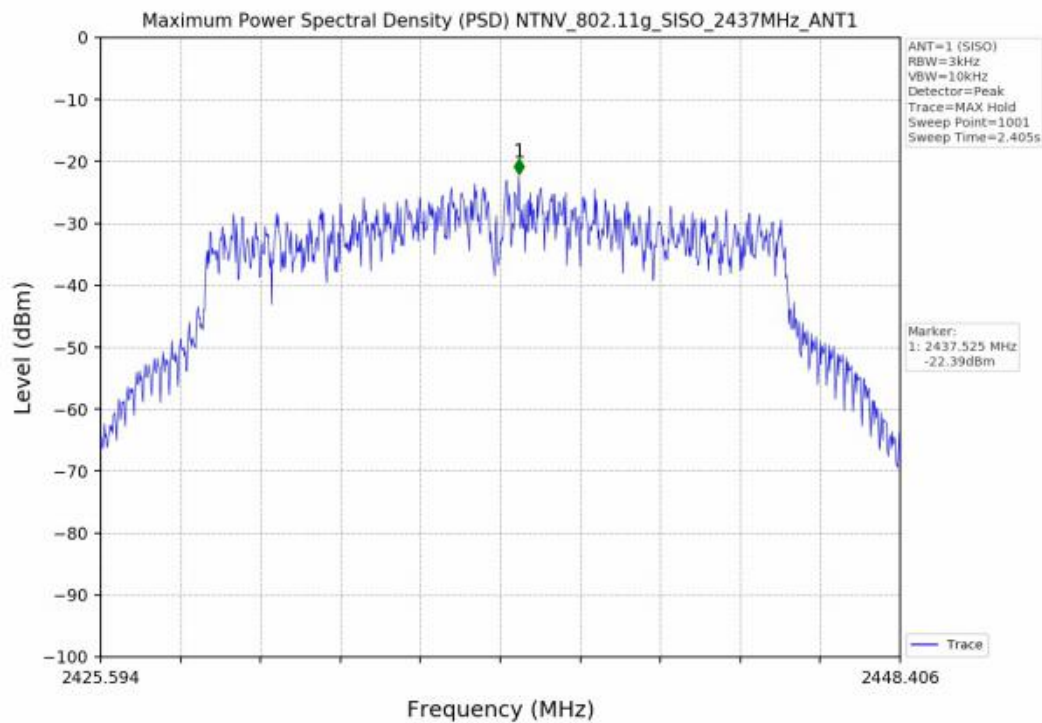
4.1 Test Result

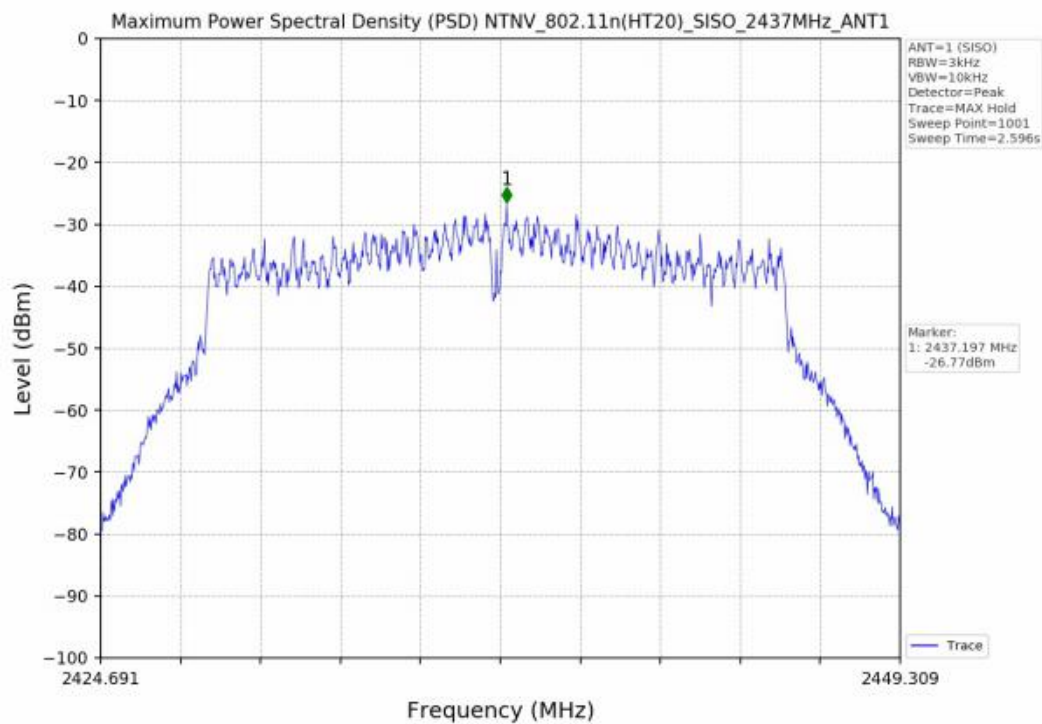
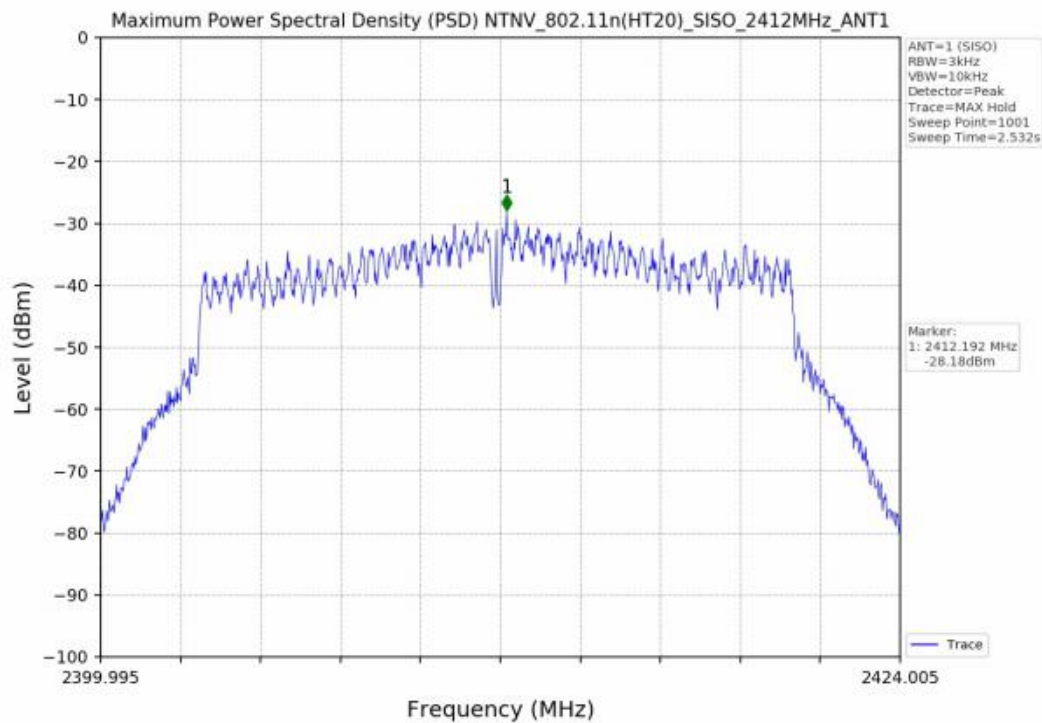
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-20.24	≤8	PASS
	2437	SISO	-19.39	≤8	PASS
	2462	SISO	-19.95	≤8	PASS
802.11g	2412	SISO	-23.20	≤8	PASS
	2437	SISO	-22.39	≤8	PASS
	2462	SISO	-22.32	≤8	PASS
802.11n(HT20)	2412	SISO	-28.18	≤8	PASS
	2437	SISO	-26.77	≤8	PASS
	2462	SISO	-26.75	≤8	PASS
802.11n(HT40)	2422	SISO	-24.03	≤8	PASS
	2437	SISO	-23.23	≤8	PASS
	2452	SISO	-23.35	≤8	PASS

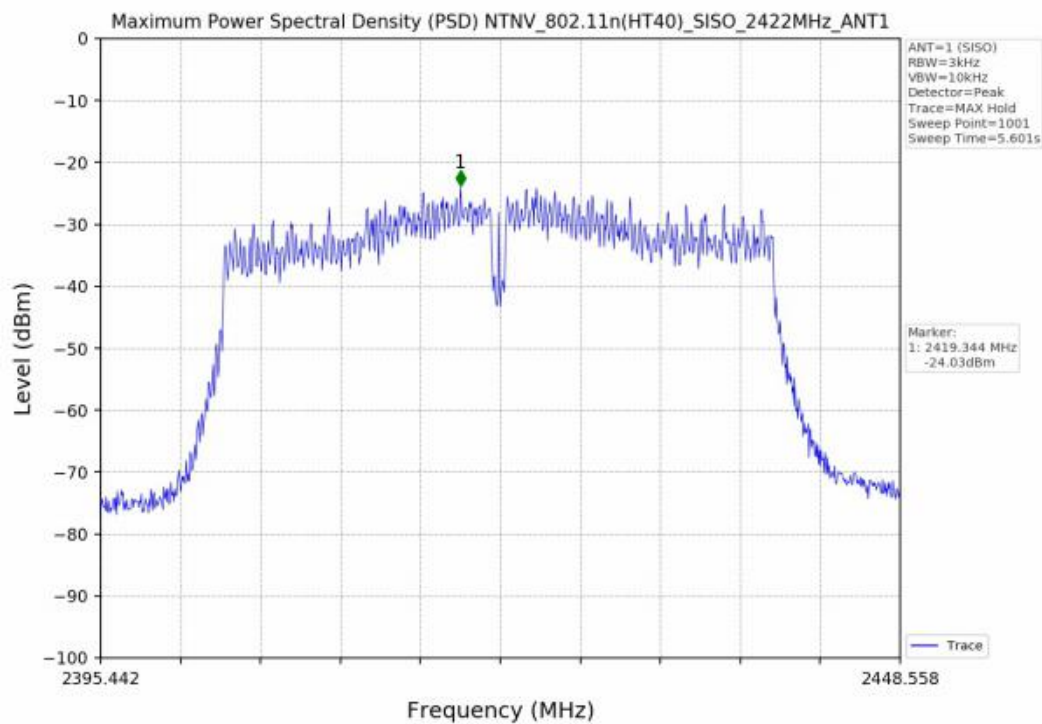
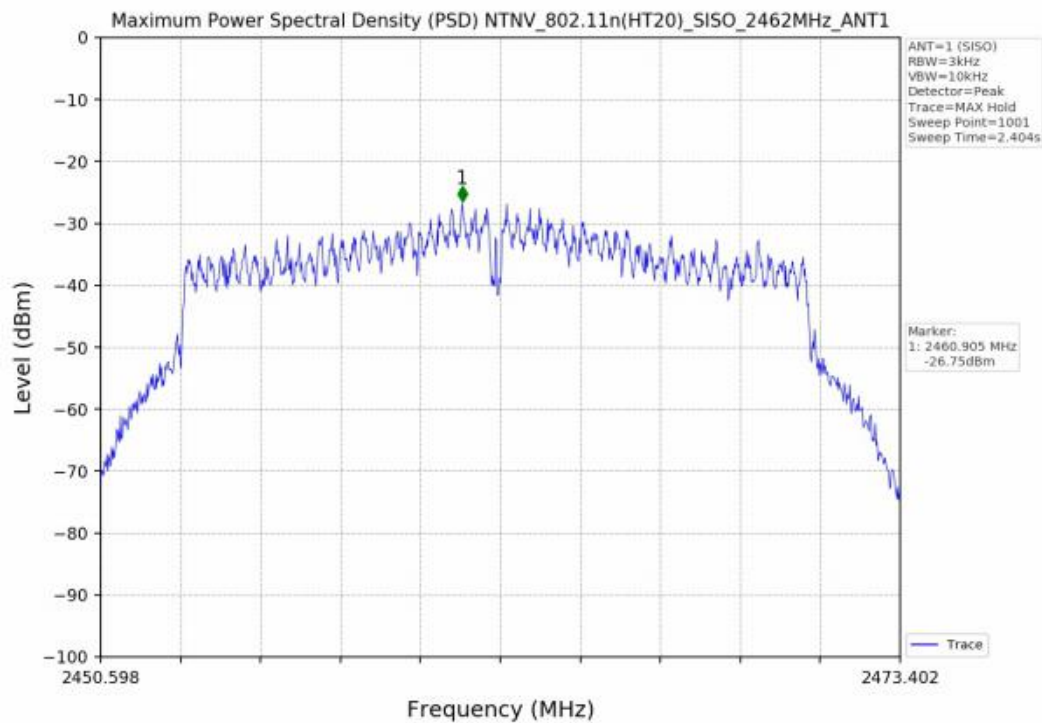
4.2 Test Graph

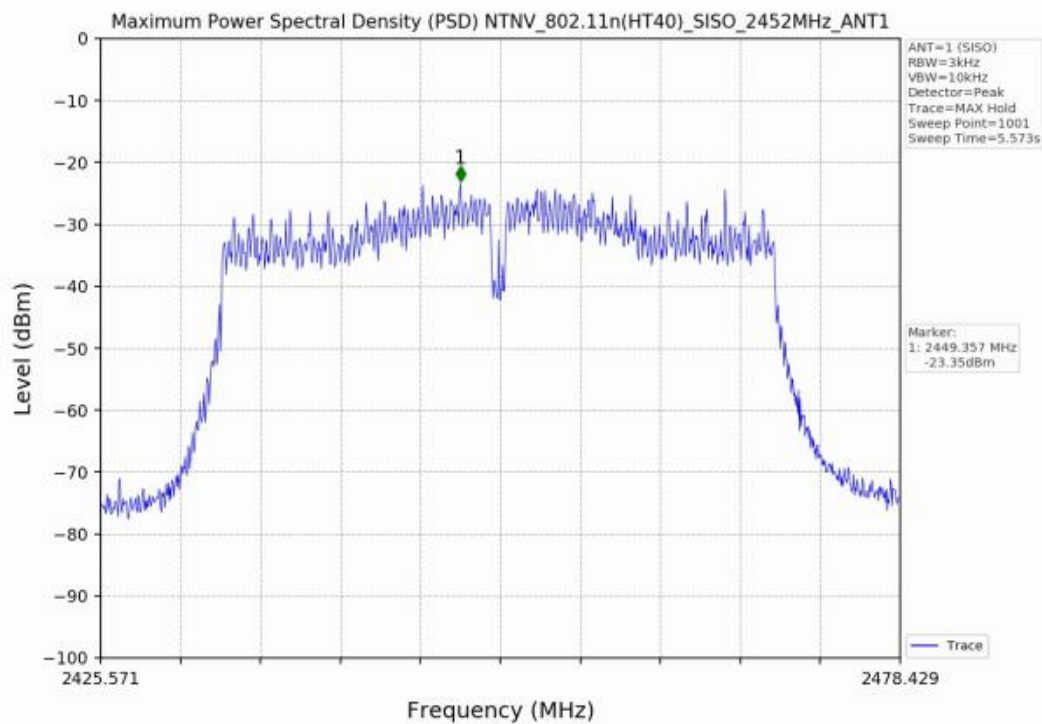
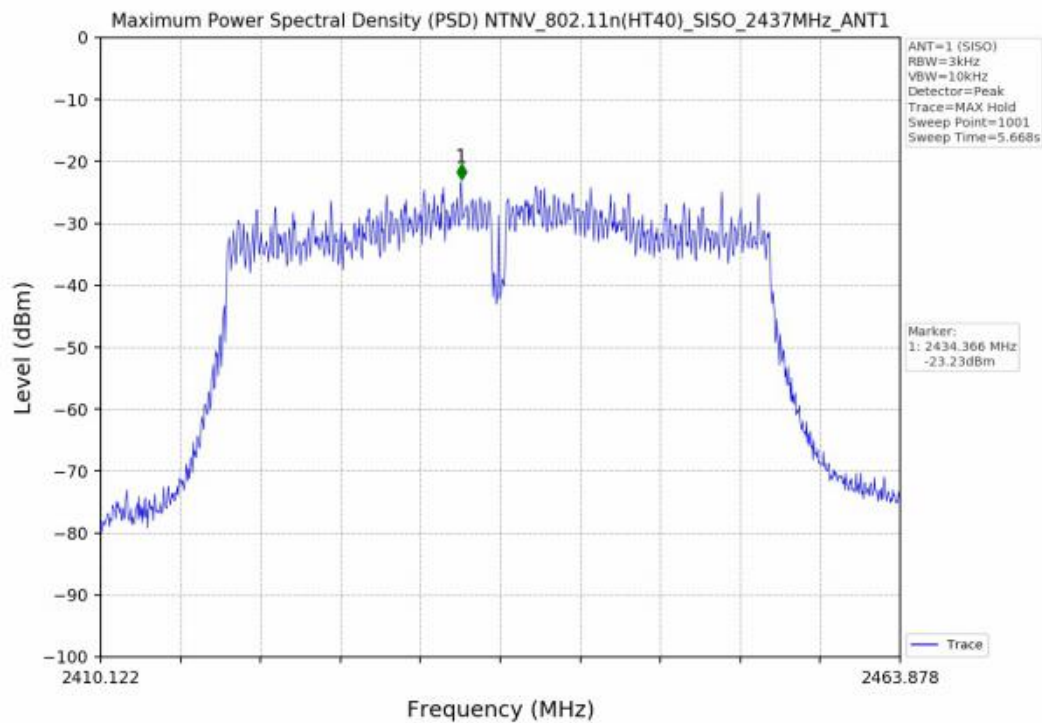












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-23.72	PASS
	2437	SISO	1	Refer to test graph	-23.72	PASS
	2462	SISO	1	Refer to test graph	-23.72	PASS
802.11g	2412	SISO	1	Refer to test graph	-27.18	PASS
	2437	SISO	1	Refer to test graph	-27.18	PASS
	2462	SISO	1	Refer to test graph	-27.18	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-32.71	PASS
	2437	SISO	1	Refer to test graph	-32.71	PASS
	2462	SISO	1	Refer to test graph	-32.71	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-28.84	PASS
	2437	SISO	1	Refer to test graph	-28.84	PASS
	2452	SISO	1	Refer to test graph	-28.84	PASS

5.2 Test Graph

