

Annex for WIFI

Test Report No. : CTL2007086011-WF

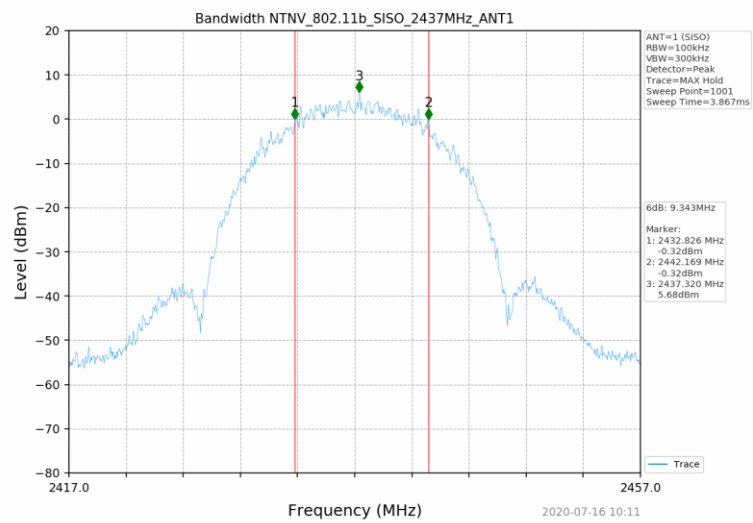
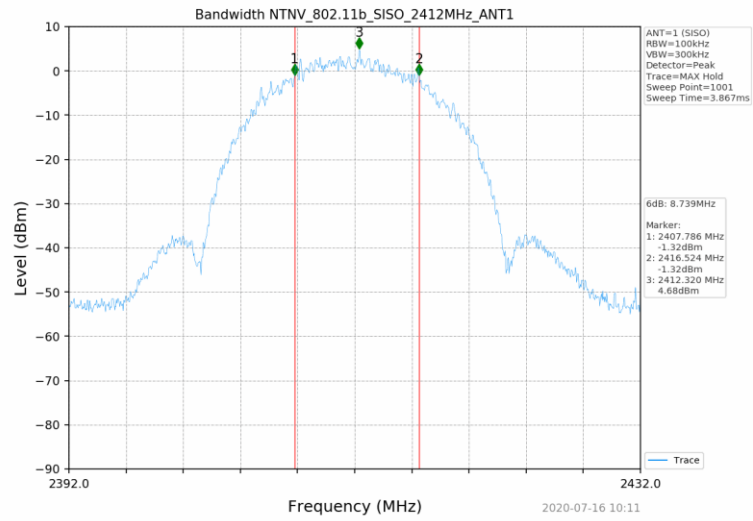
1. Bandwidth

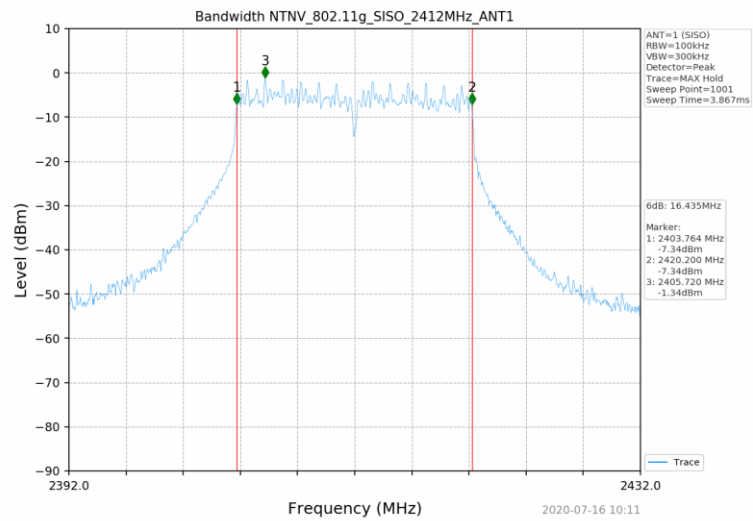
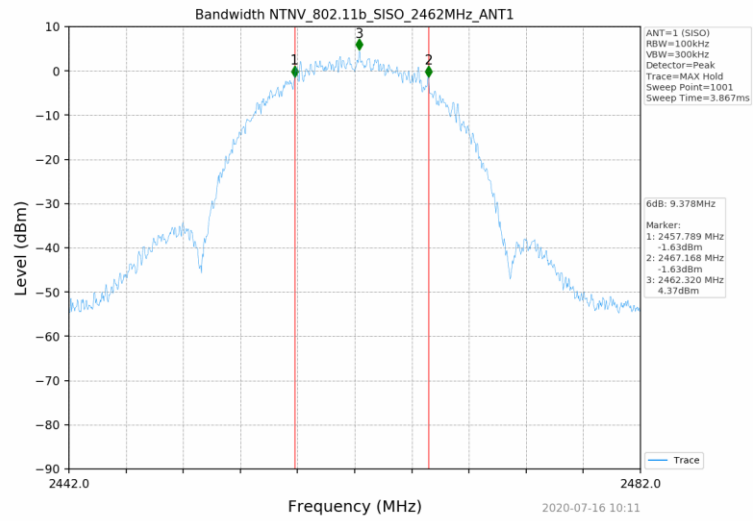
1.1 Test Result

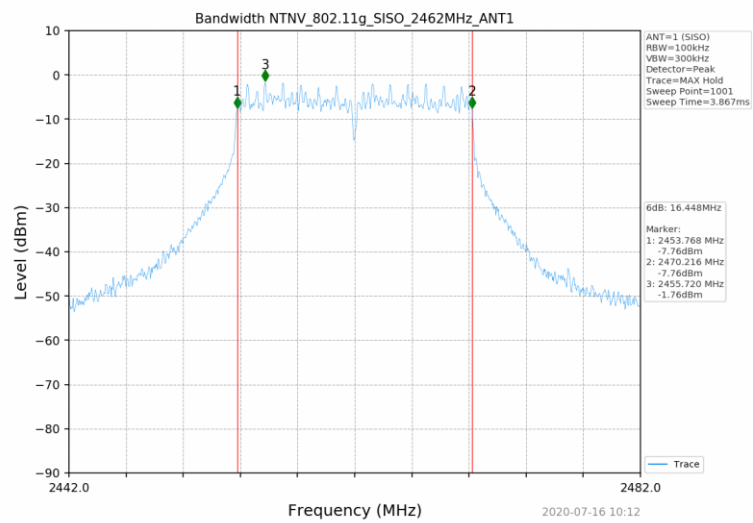
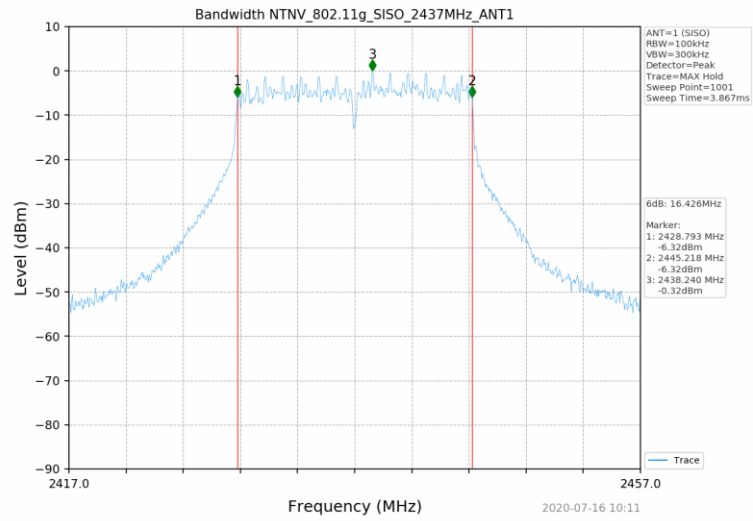
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.739	≥0.5	PASS
	2437	SISO	1	9.343	≥0.5	PASS
	2462	SISO	1	9.378	≥0.5	PASS
802.11g	2412	SISO	1	16.435	≥0.5	PASS
	2437	SISO	1	16.426	≥0.5	PASS
	2462	SISO	1	16.448	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	16.961	≥0.5	PASS
	2437	SISO	1	17.274	≥0.5	PASS
	2462	SISO	1	17.570	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.270	≥0.5	PASS
	2437	SISO	1	35.162	≥0.5	PASS
	2452	SISO	1	35.218	≥0.5	PASS

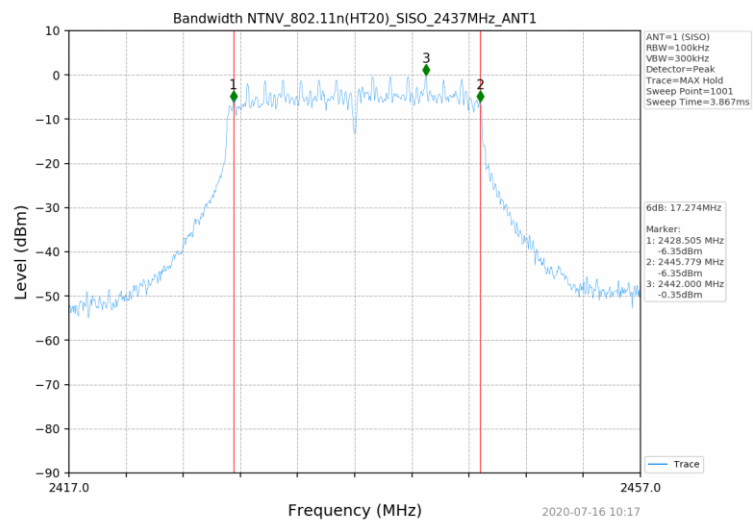
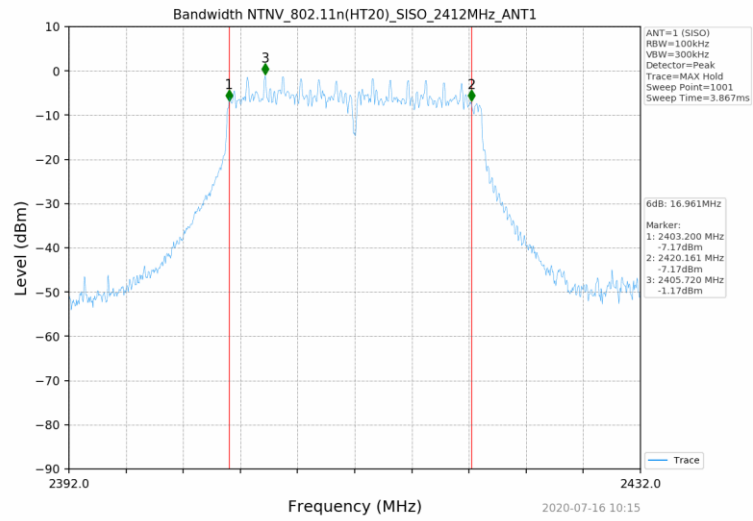
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.804	Only for Report Use
	2437	SISO	1	14.593	Only for Report Use
	2462	SISO	1	14.816	Only for Report Use
802.11g	2412	SISO	1	16.875	Only for Report Use
	2437	SISO	1	16.740	Only for Report Use
	2462	SISO	1	16.859	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.938	Only for Report Use
	2437	SISO	1	17.841	Only for Report Use
	2462	SISO	1	17.959	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.119	Only for Report Use
	2437	SISO	1	35.797	Only for Report Use
	2452	SISO	1	35.914	Only for Report Use

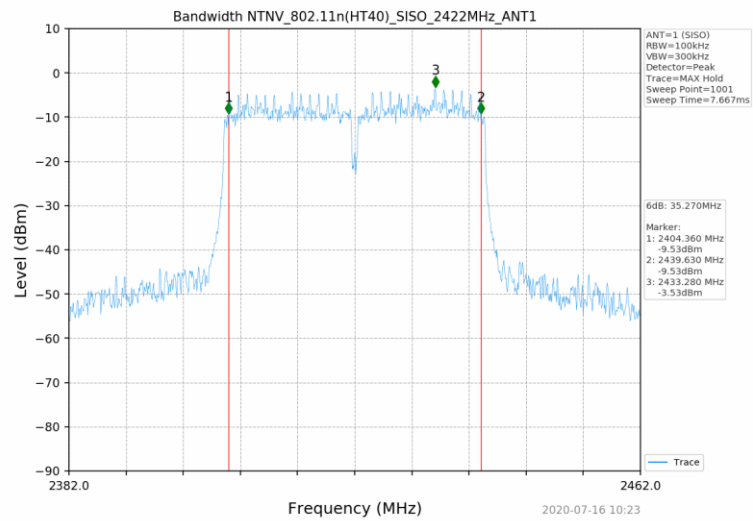
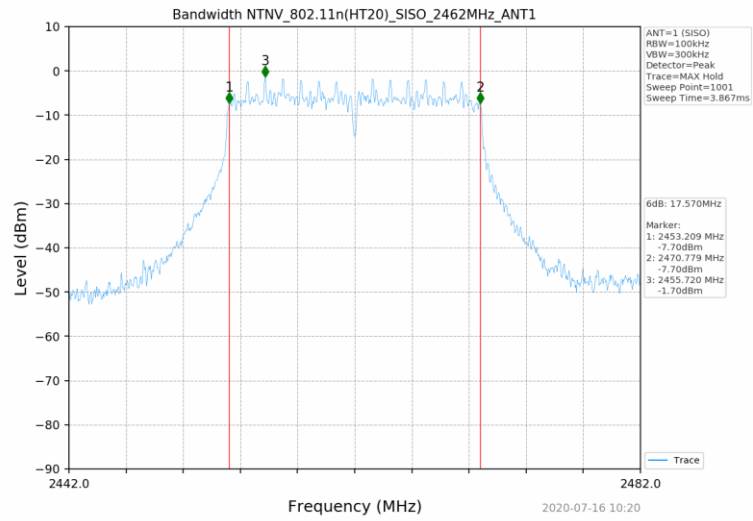
1.2 Test Graph - 6dB Bandwidth

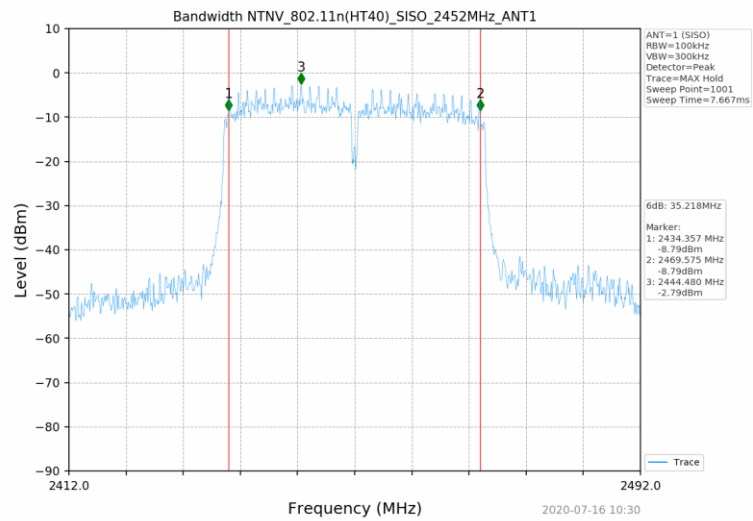
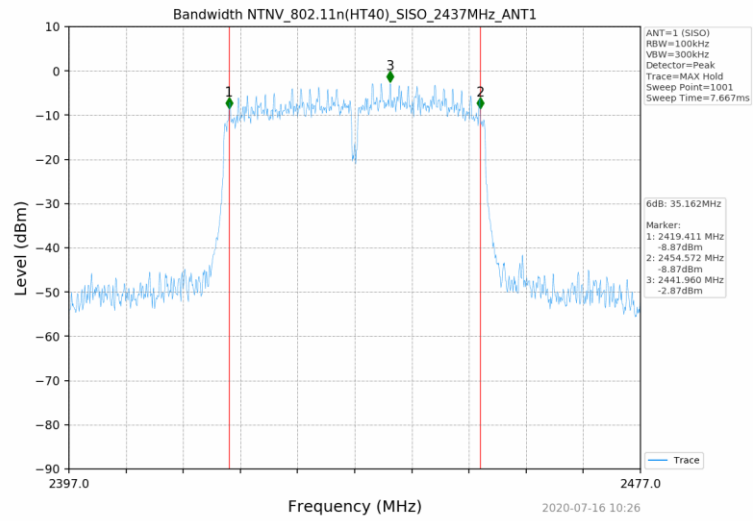




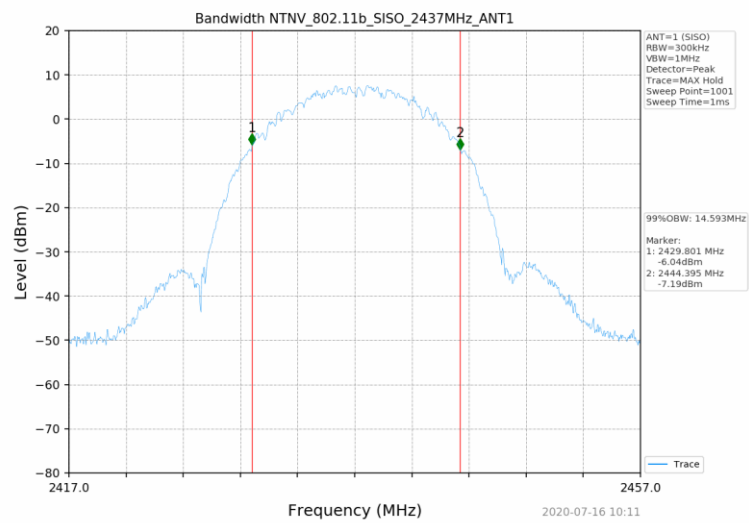
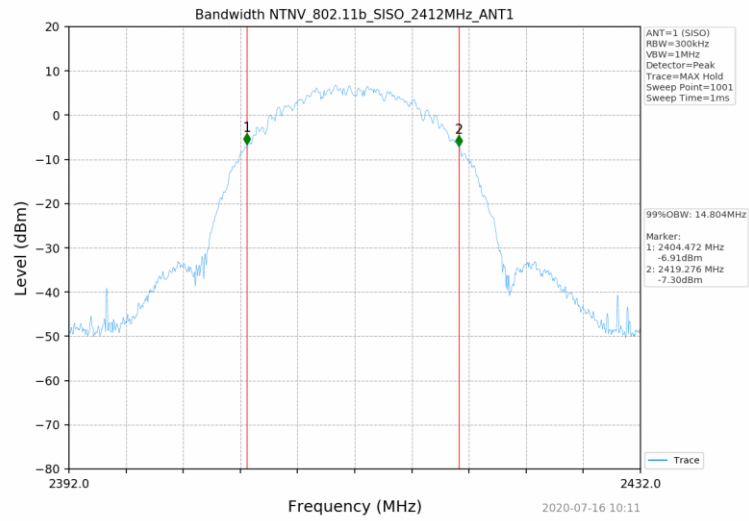


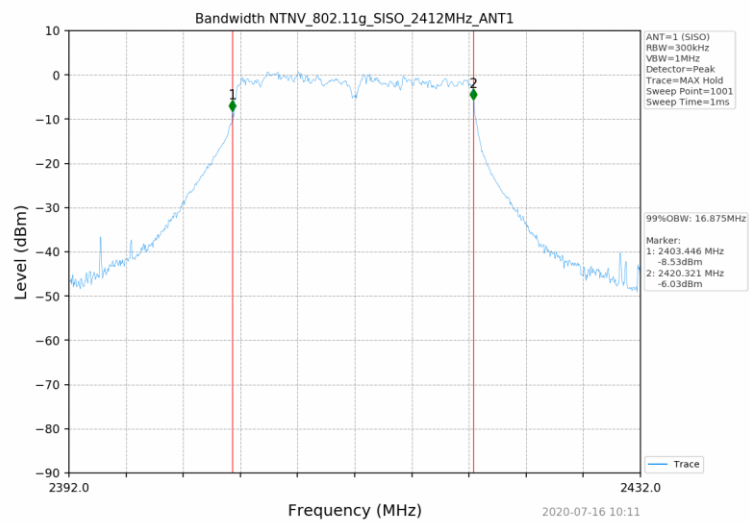
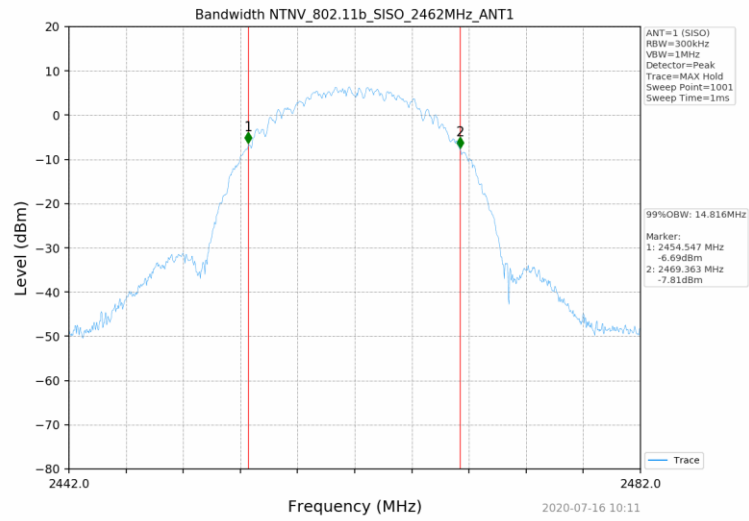


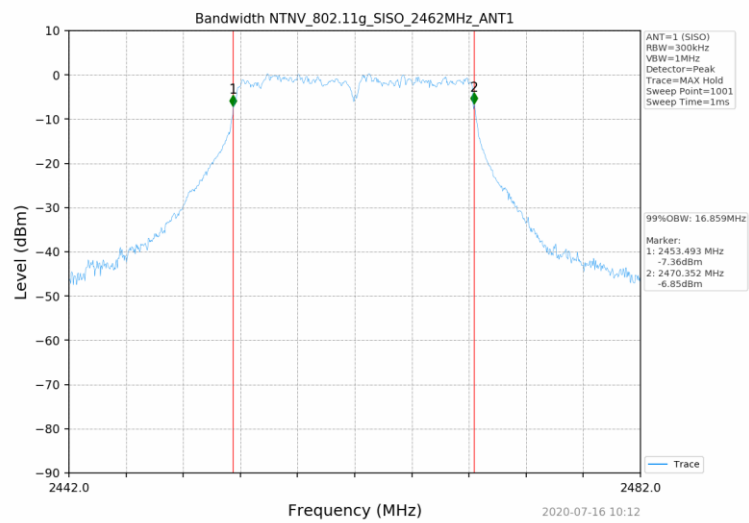
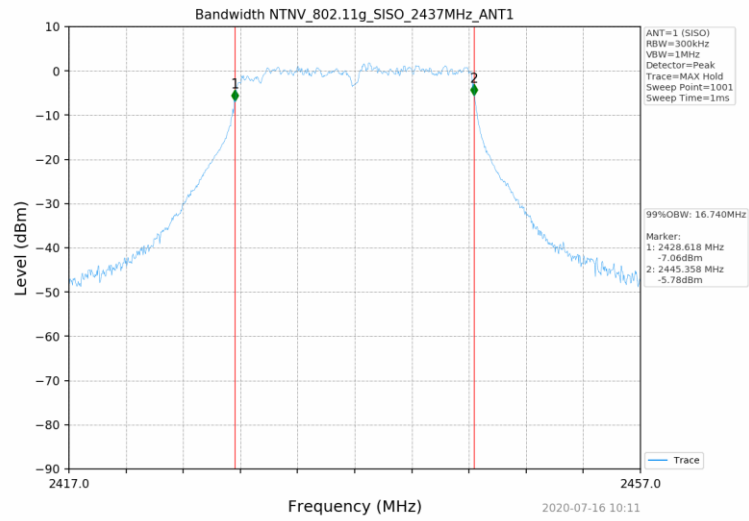


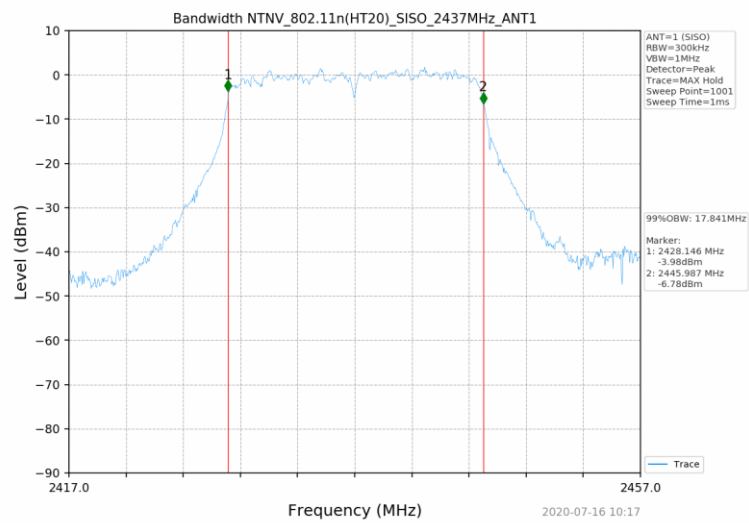
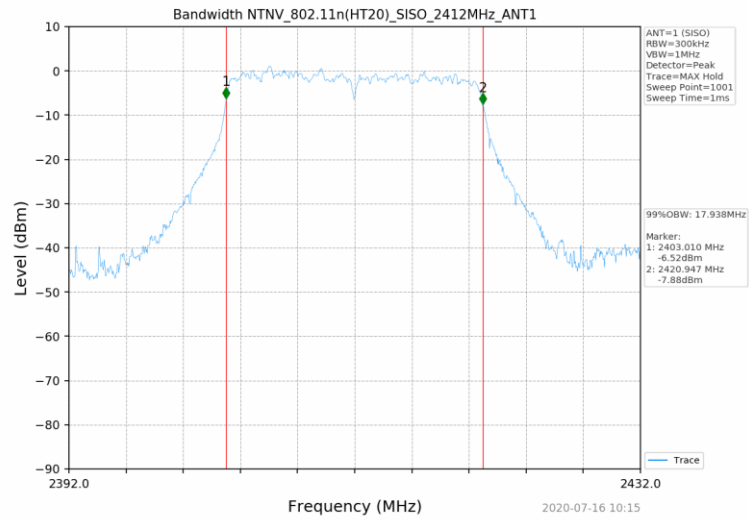


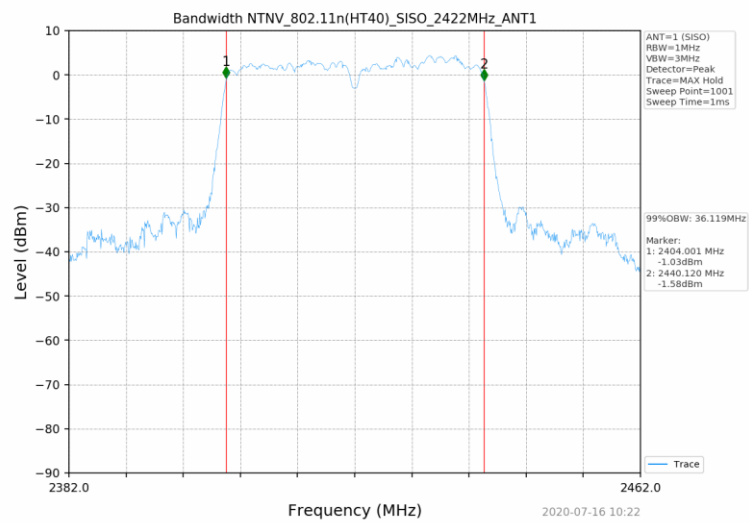
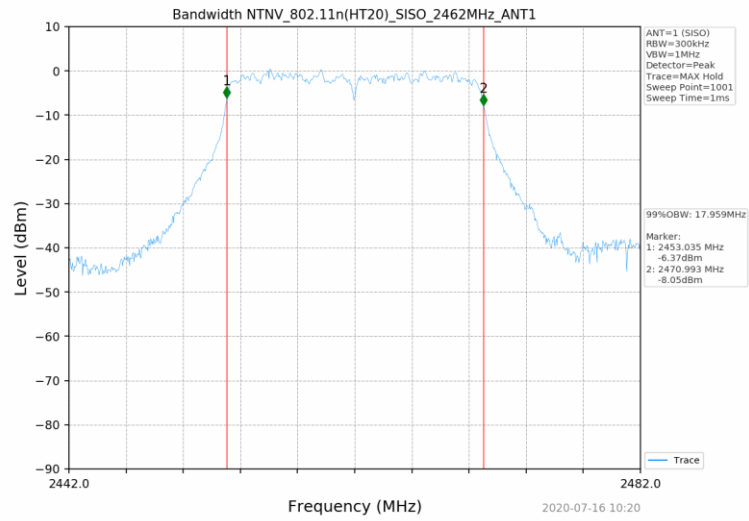
1.3 Test Graph - 99% Occupied Bandwidth

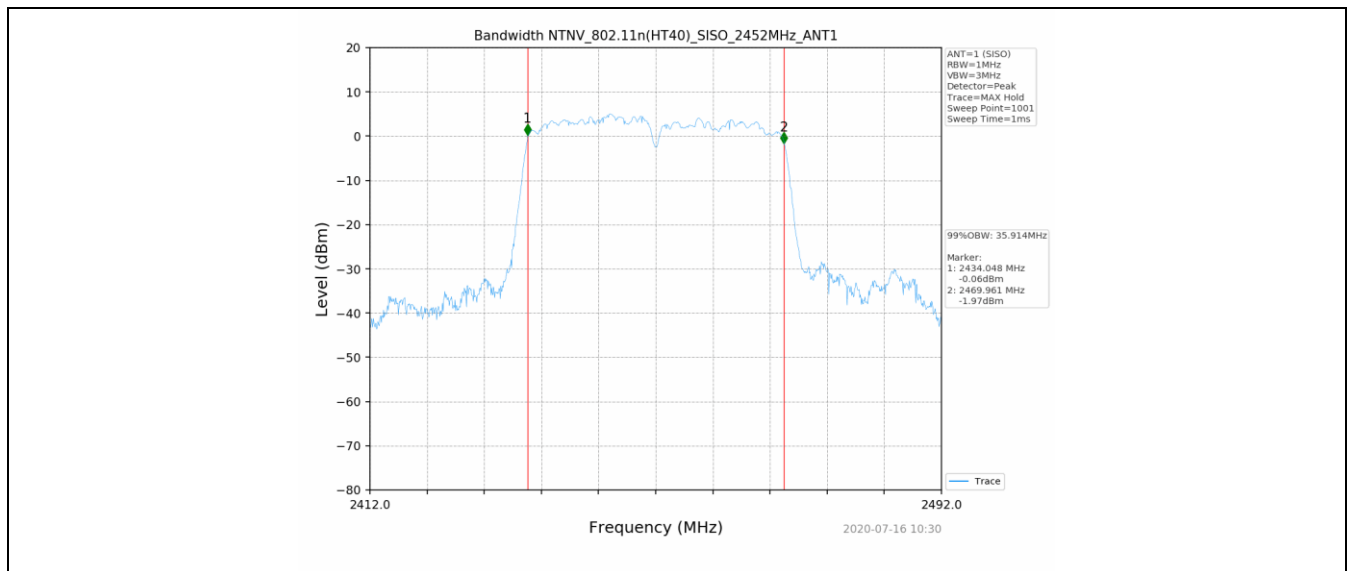
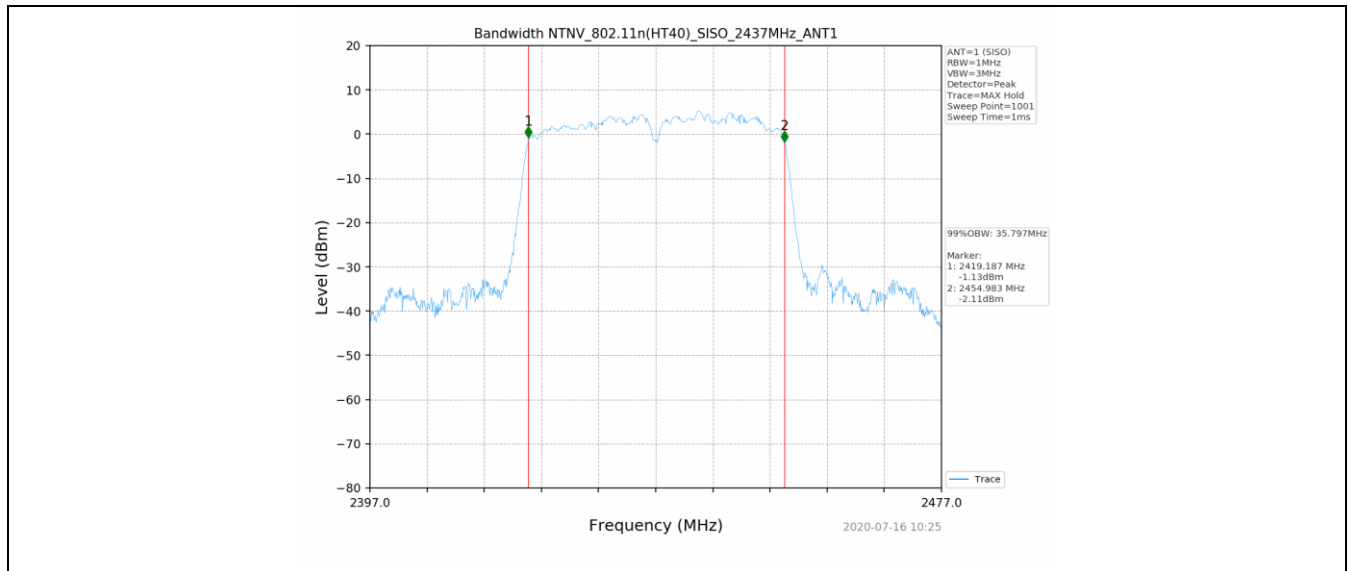












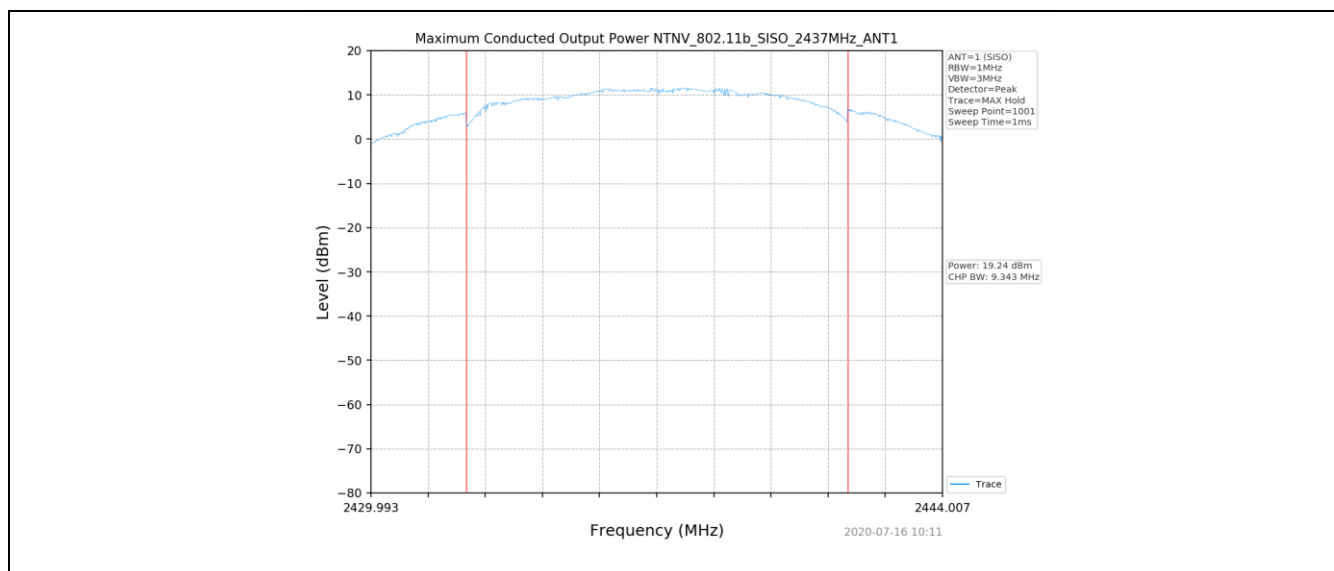
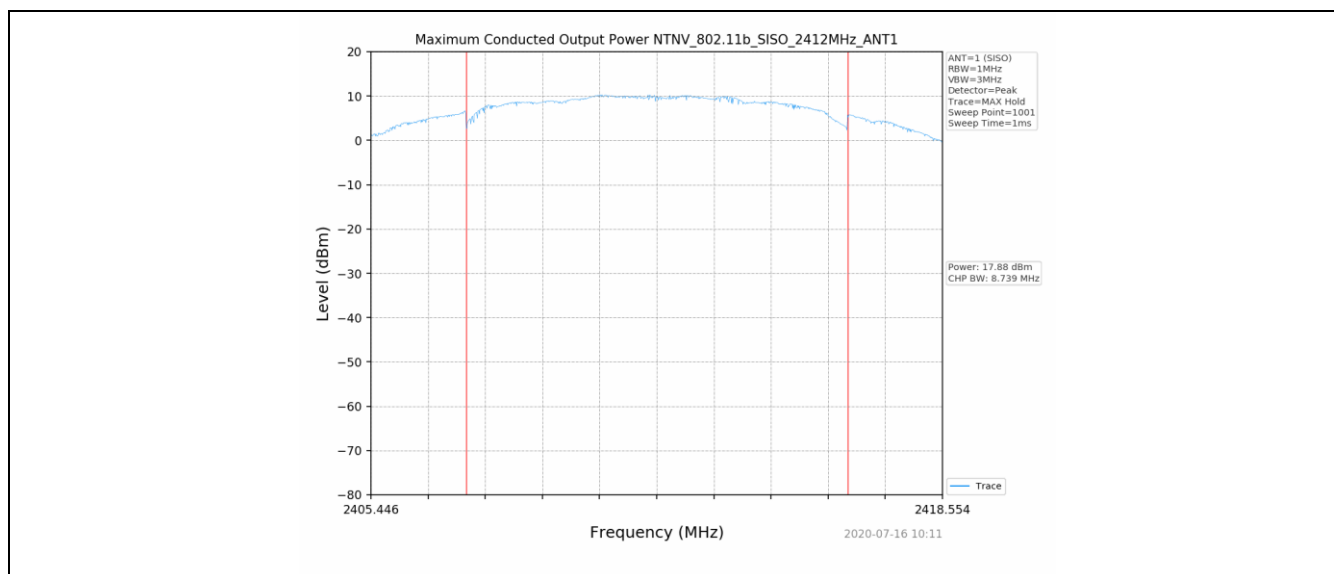
2. Maximum Conducted Output Power

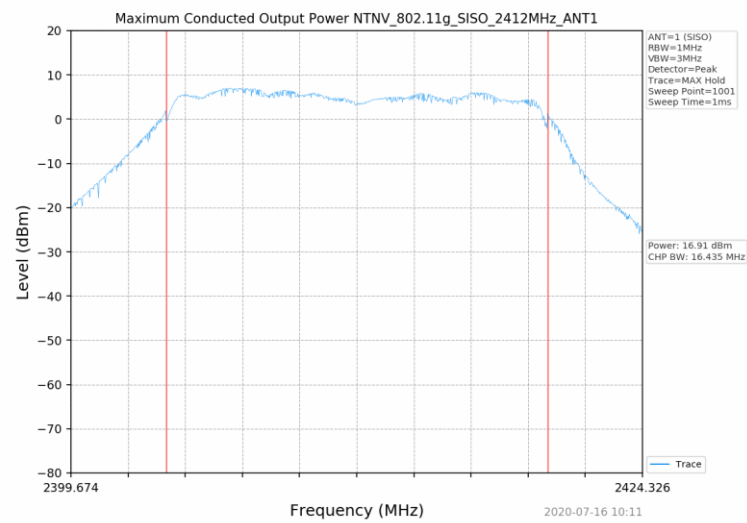
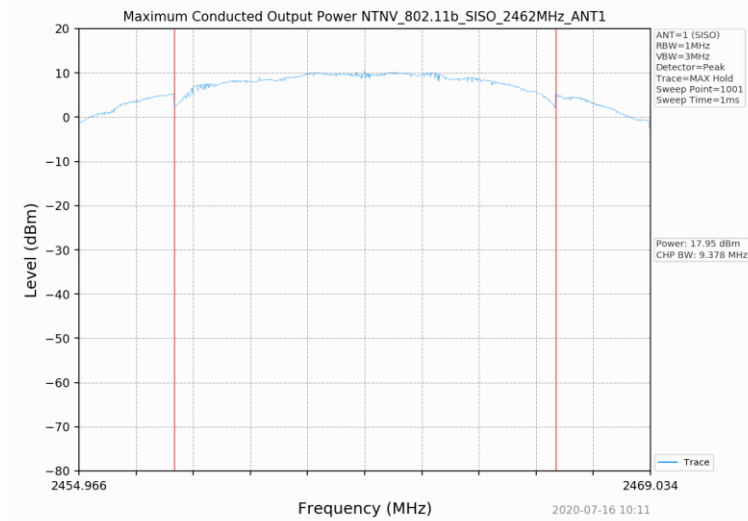
2.1 Test Result

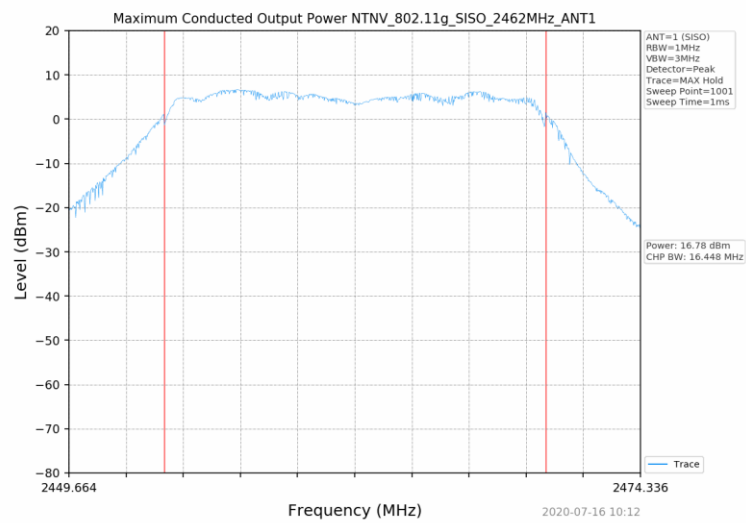
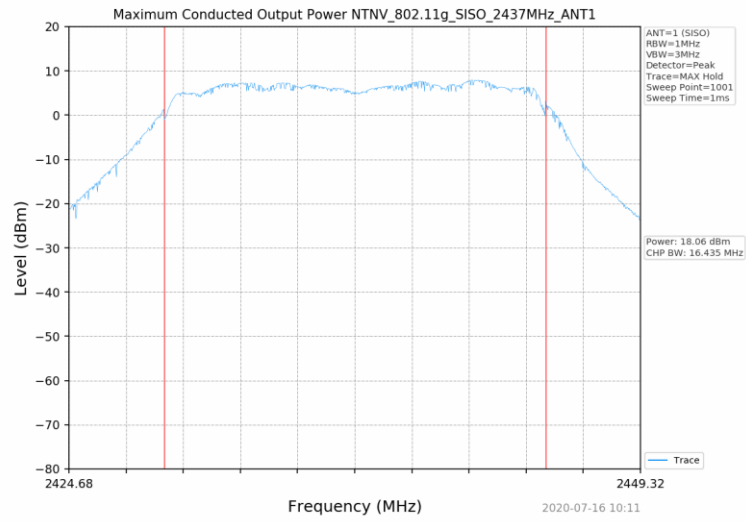
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.88	30	PASS
	2437	SISO	19.24	30	PASS
	2462	SISO	17.95	30	PASS
802.11g	2412	SISO	16.91	30	PASS
	2437	SISO	18.06	30	PASS
	2462	SISO	16.78	30	PASS
802.11n(HT20)	2412	SISO	16.61	30	PASS
	2437	SISO	17.71	30	PASS

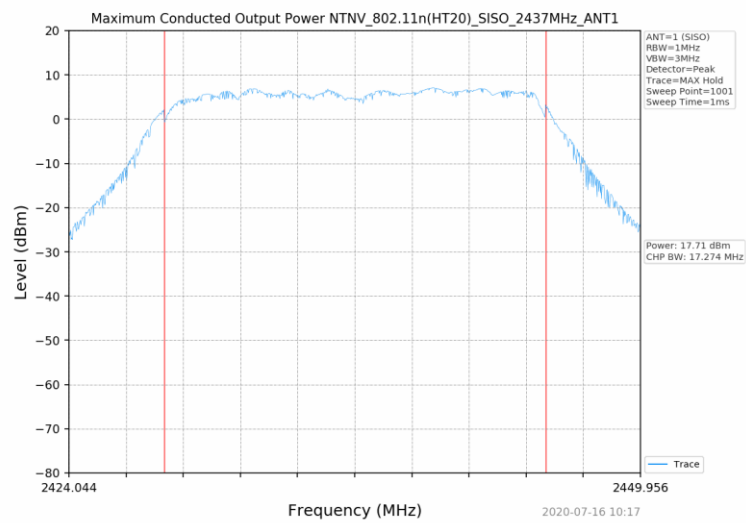
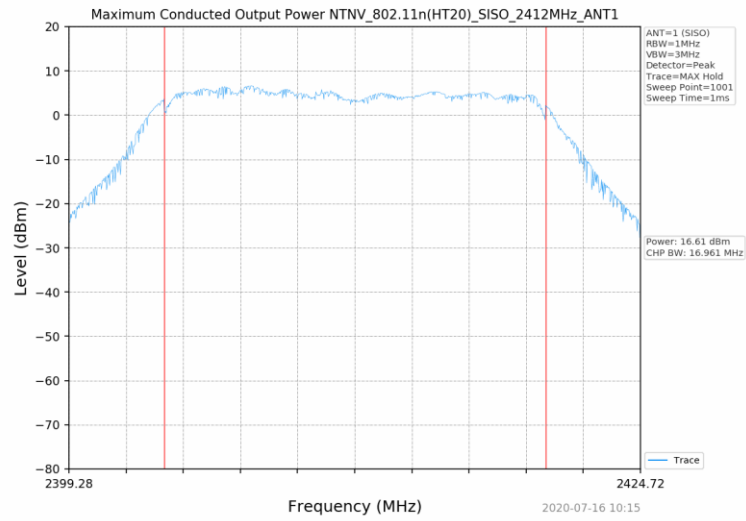
	2462	SISO	16.52	30	PASS
802.11n(HT40)	2422	SISO	17.21	30	PASS
	2437	SISO	17.66	30	PASS
	2452	SISO	17.70	30	PASS

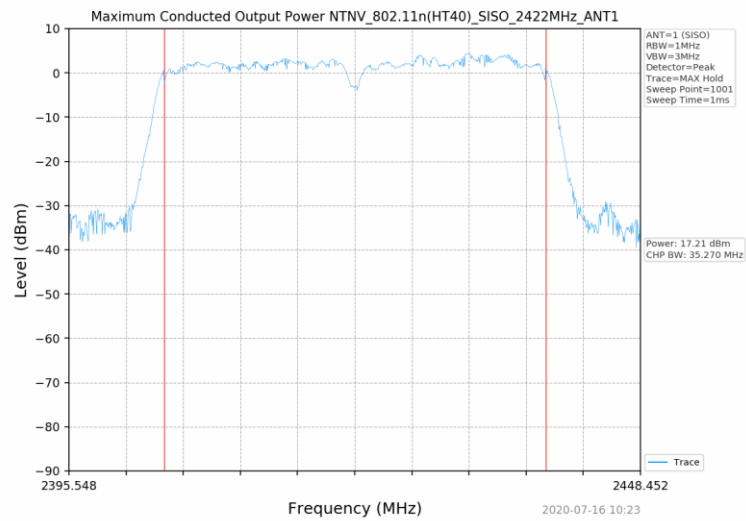
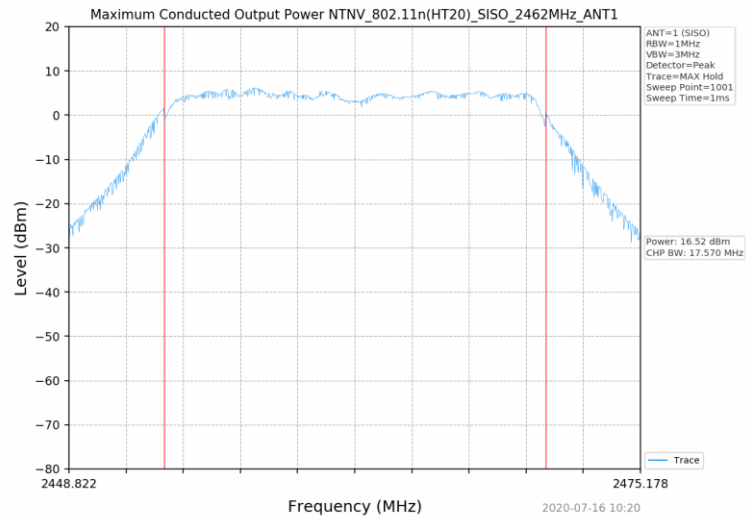
2.2 Test Graph

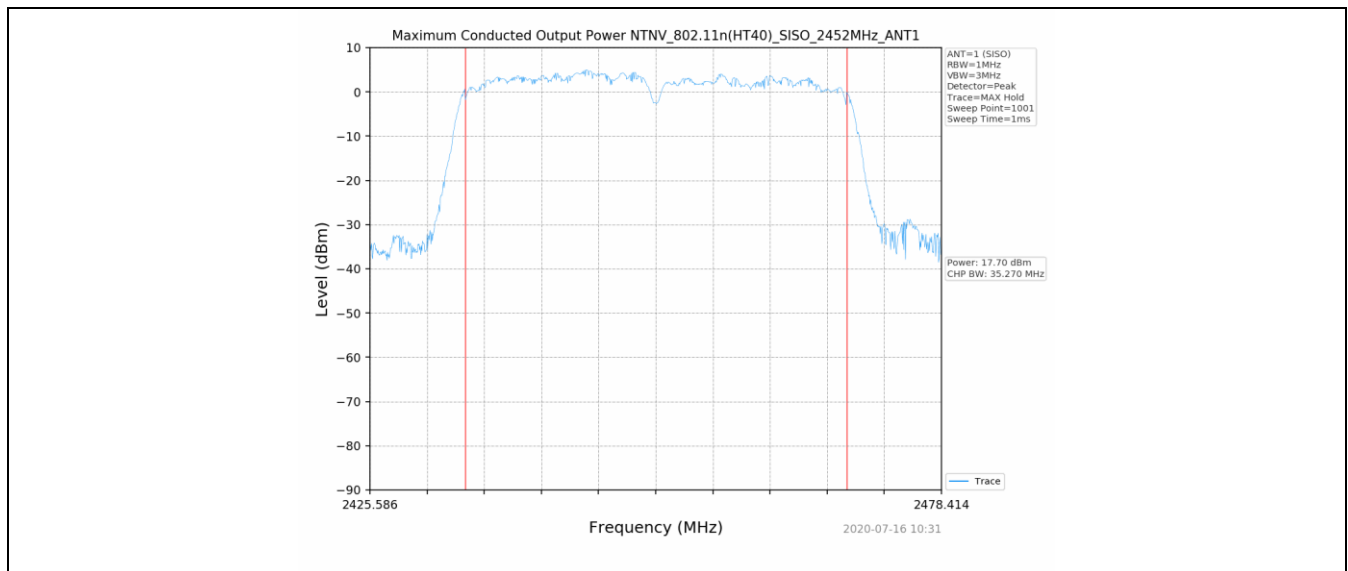
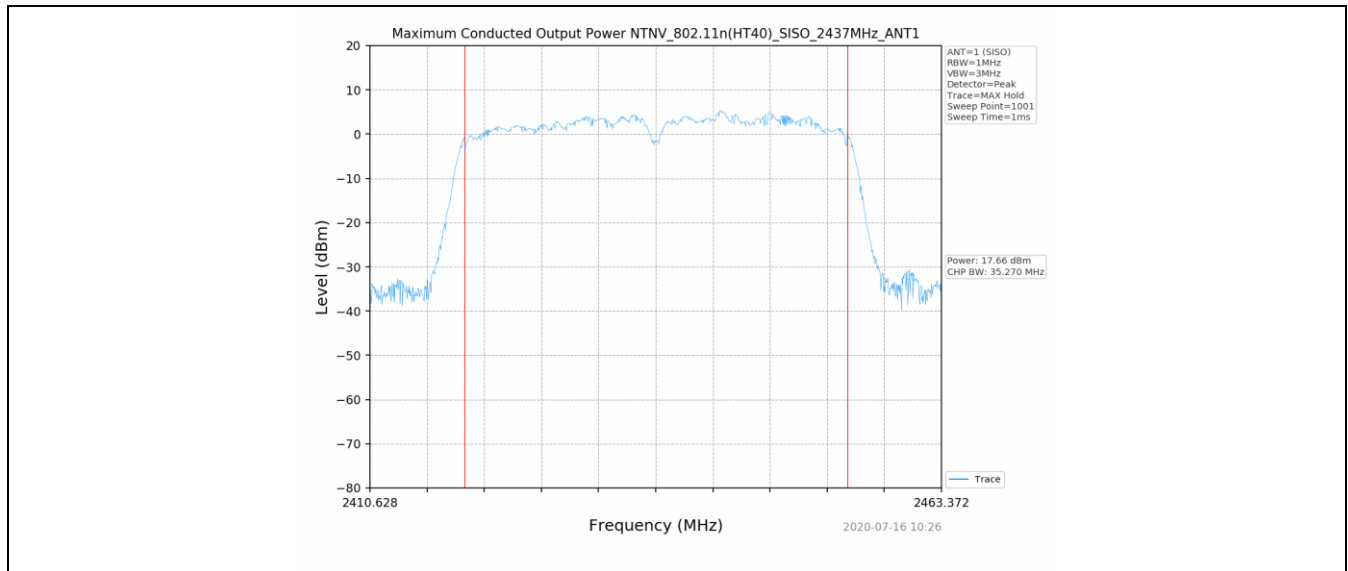












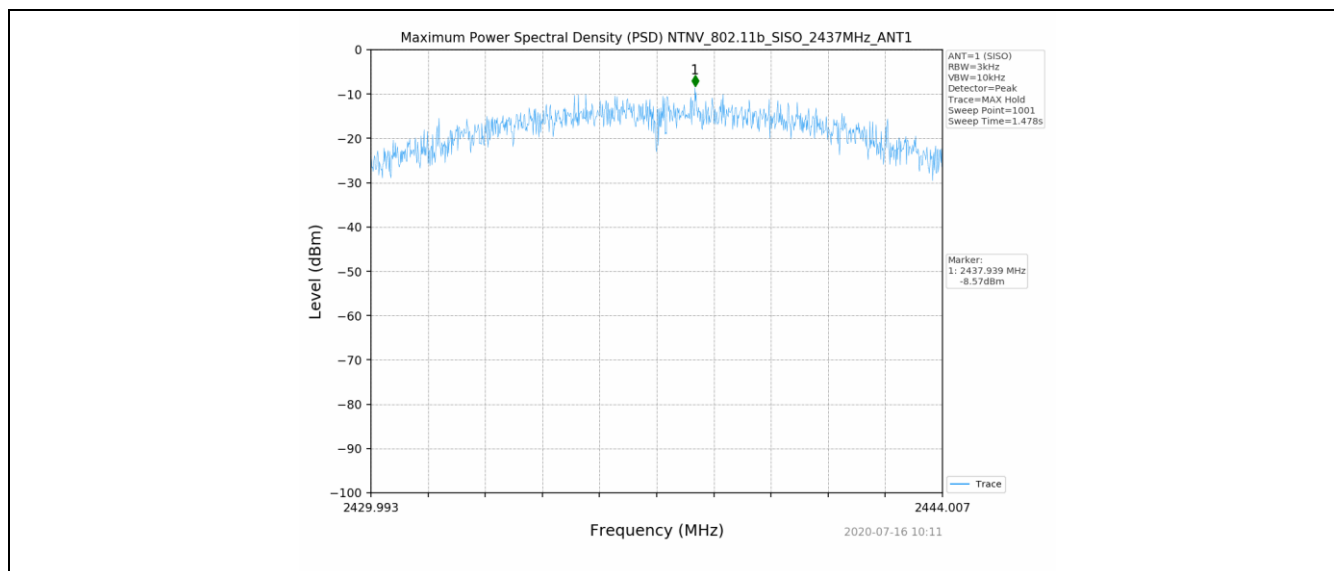
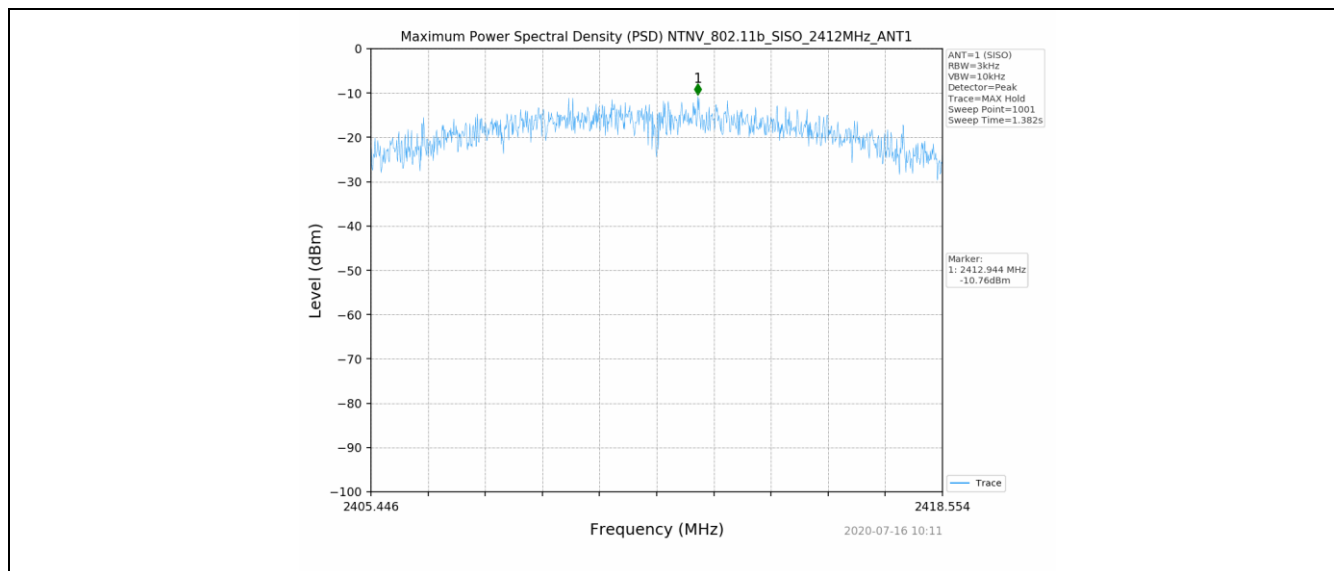
3. Maximum Power Spectral Density (PSD)

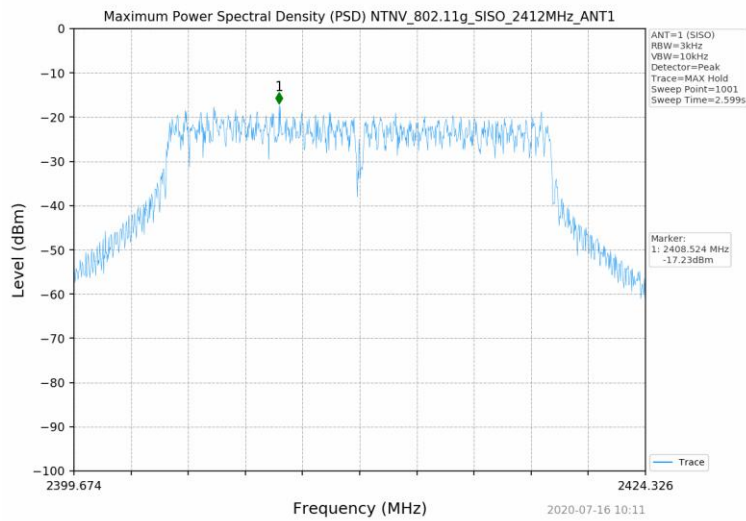
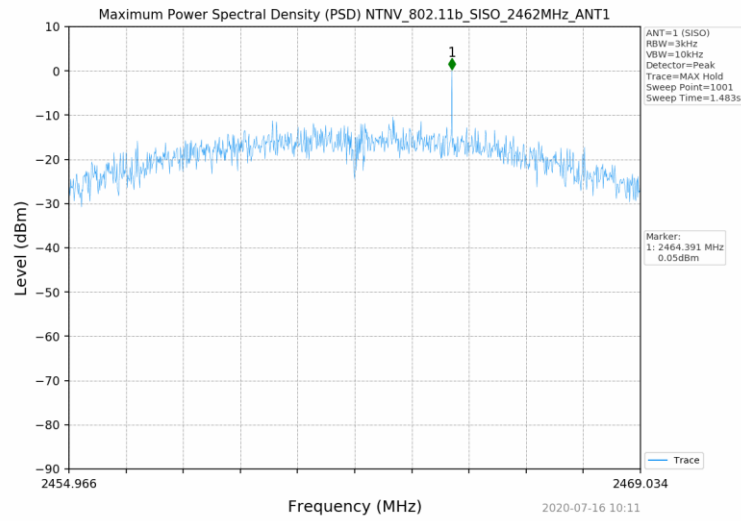
3.1 Test Result

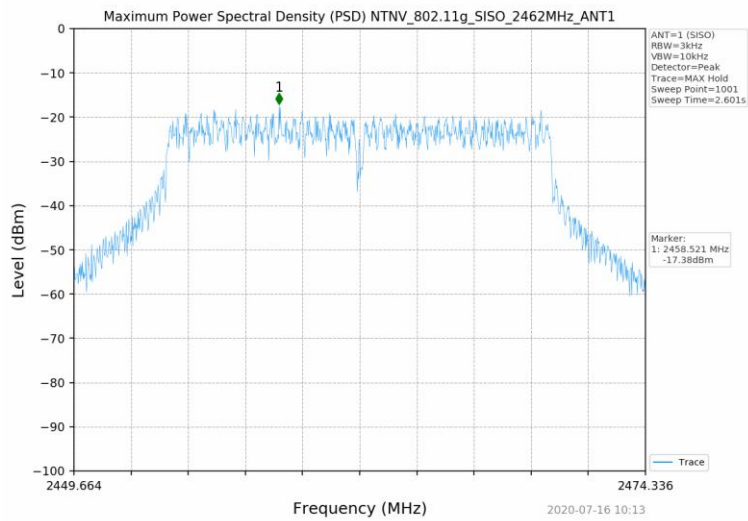
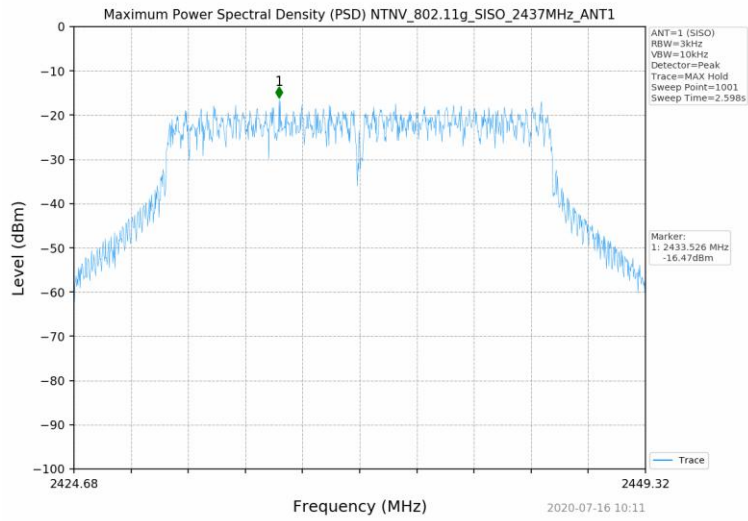
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-10.76	≤8	PASS
	2437	SISO	-8.57	≤8	PASS
	2462	SISO	0.05	≤8	PASS
802.11g	2412	SISO	-17.23	≤8	PASS
	2437	SISO	-16.47	≤8	PASS
	2462	SISO	-17.38	≤8	PASS
802.11n(HT20)	2412	SISO	-15.90	≤8	PASS

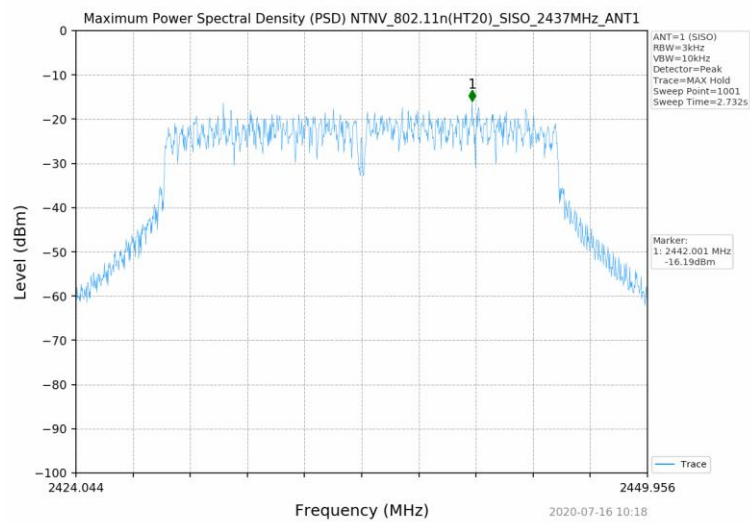
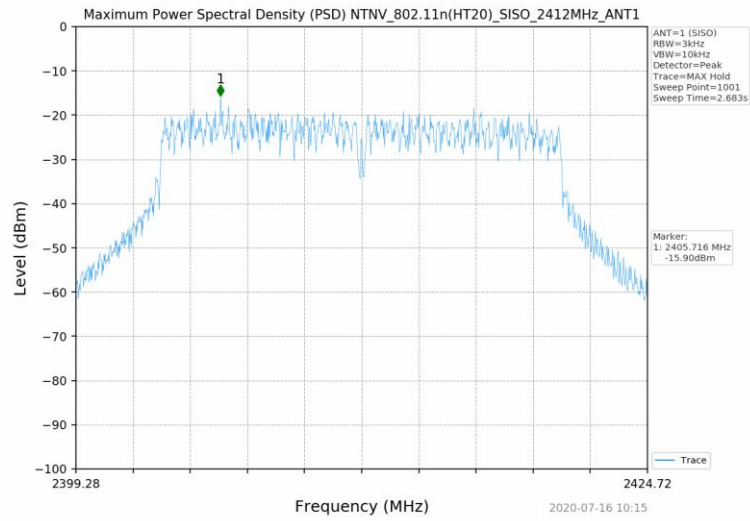
802.11n(HT40)	2437	SISO	-16.19	≤ 8	PASS
	2462	SISO	-16.63	≤ 8	PASS
	2422	SISO	-20.41	≤ 8	PASS
	2437	SISO	-19.12	≤ 8	PASS
	2452	SISO	-18.89	≤ 8	PASS

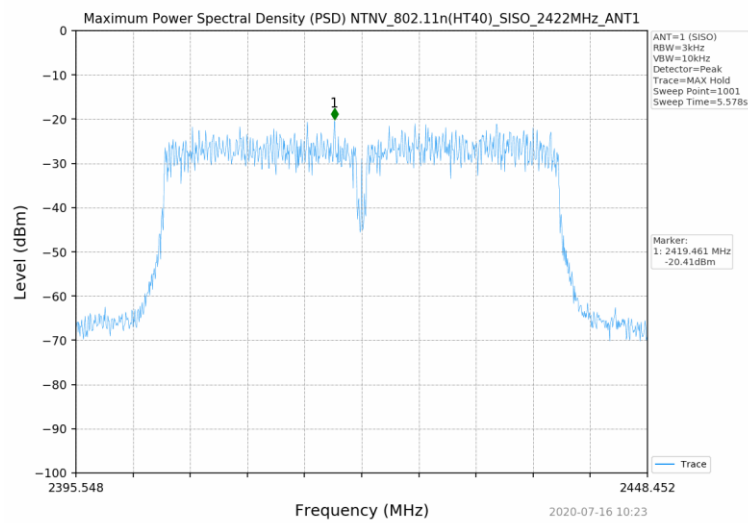
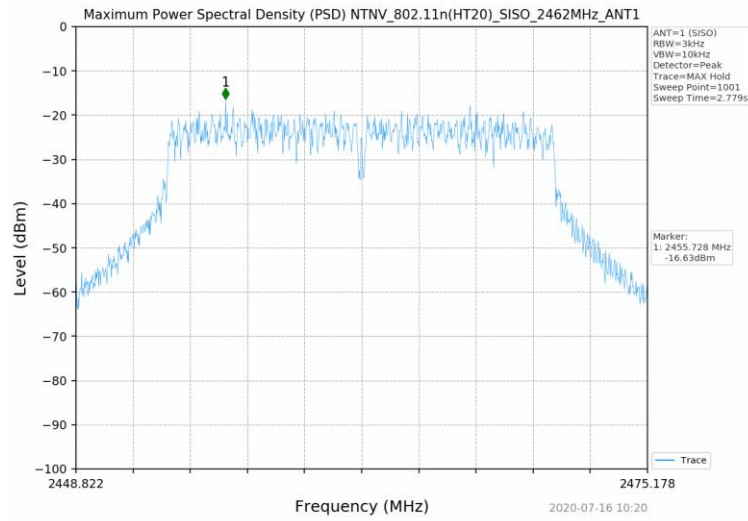
3.2 Test Graph

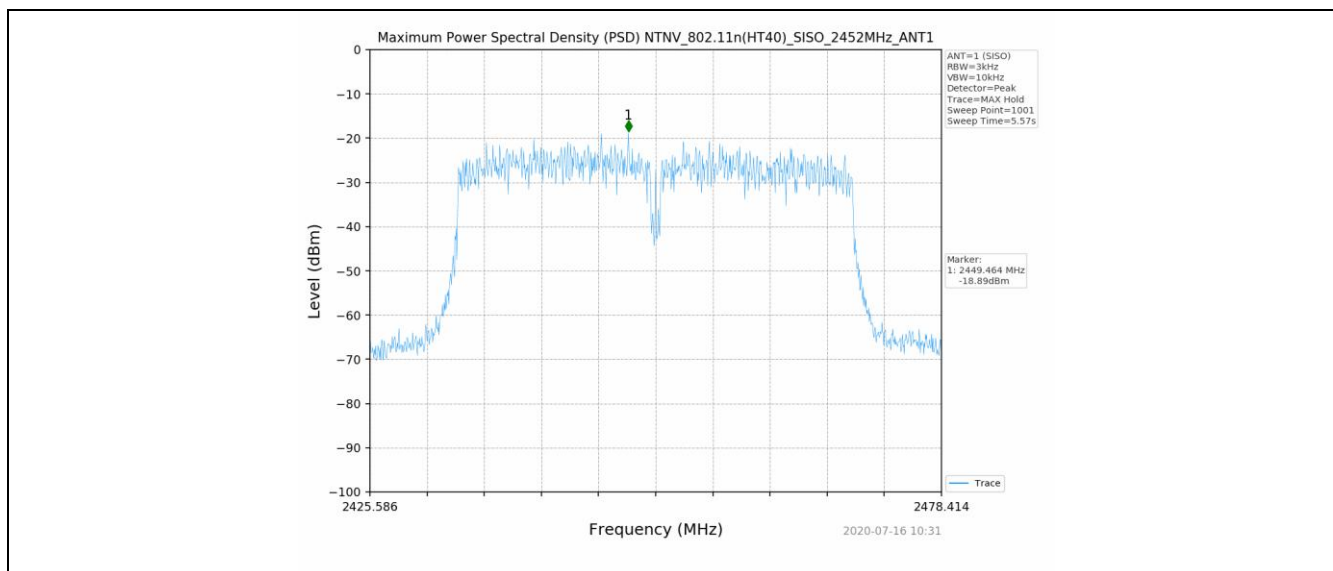
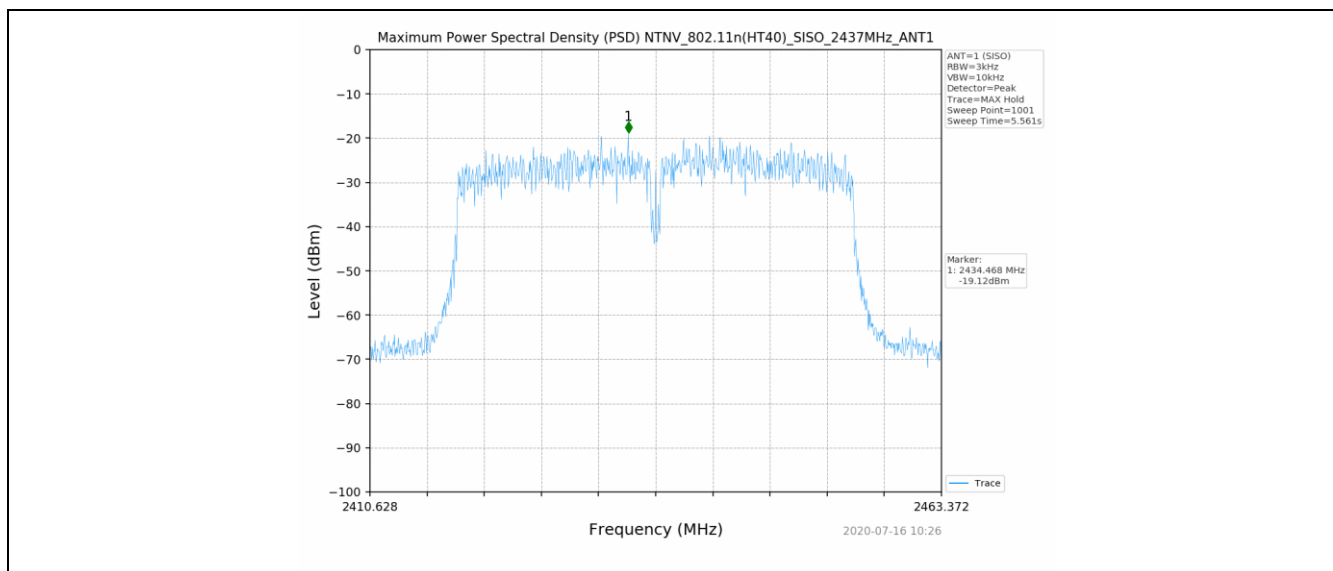












4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 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	-14.08	PASS
	2437	SISO	1	Refer to test graph	-14.08	PASS
	2462	SISO	1	Refer to test graph	-14.08	PASS
802.11g	2412	SISO	1	Refer to test graph	-20.32	PASS
	2437	SISO	1	Refer to test graph	-20.32	PASS
	2462	SISO	1	Refer to test graph	-20.32	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-20.25	PASS
	2437	SISO	1	Refer to test graph	-20.25	PASS
	2462	SISO	1	Refer to test graph	-20.25	PASS

802.11n(HT40)	2422	SISO	1	Refer to test graph	-22.72	PASS
	2437	SISO	1	Refer to test graph	-22.72	PASS
	2452	SISO	1	Refer to test graph	-22.72	PASS

4.2 Test Graph

