

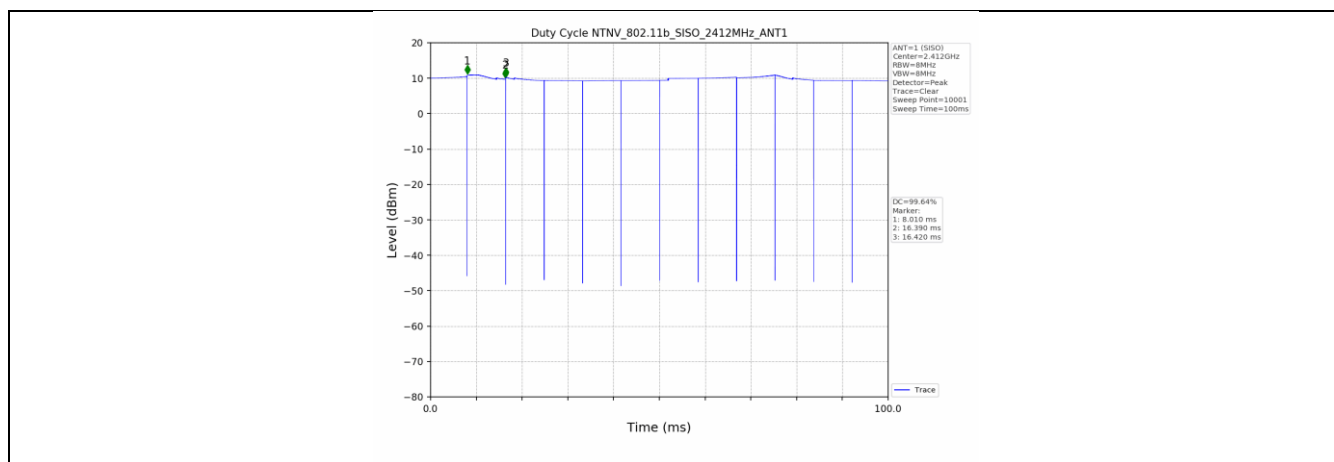
Appendix for 15.247

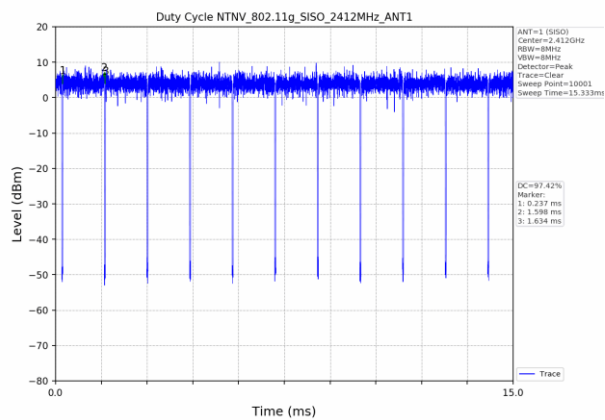
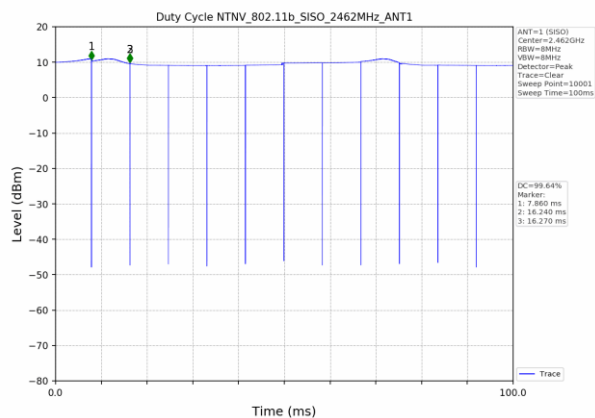
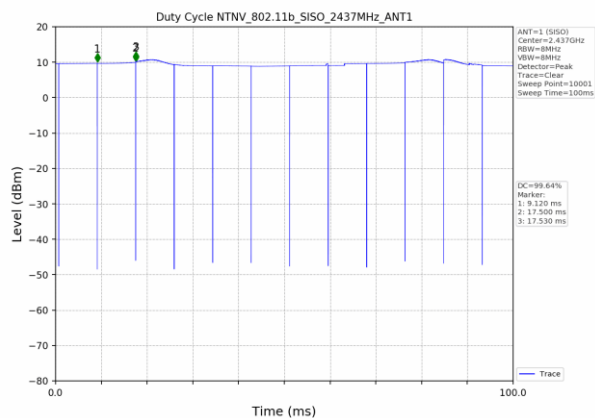
1. Duty Cycle

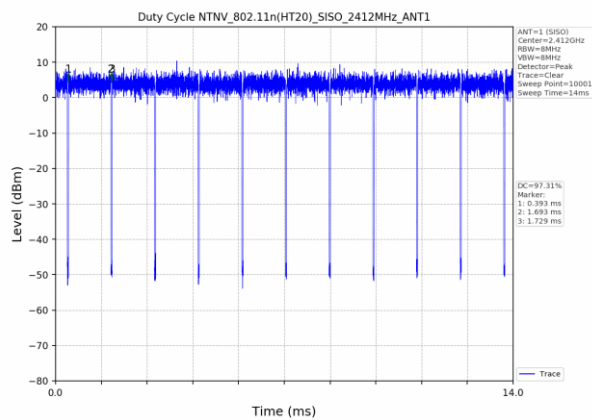
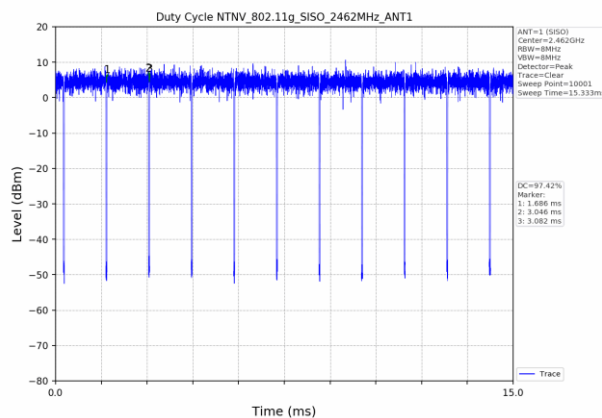
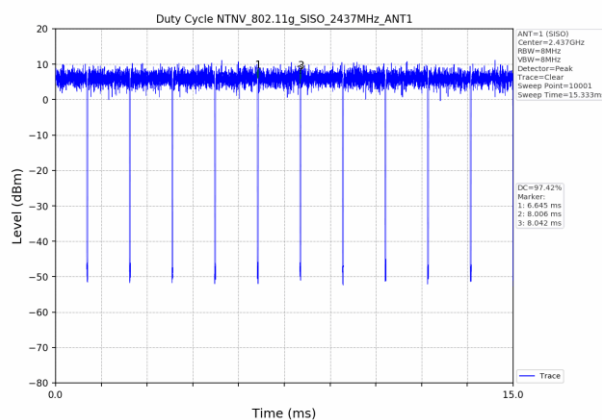
1.1 Test Result

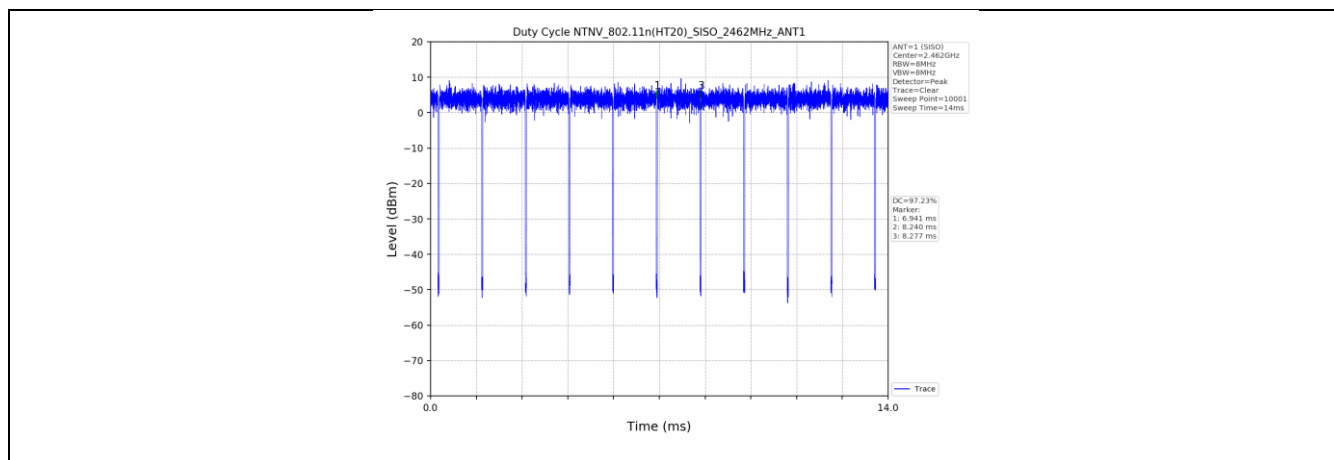
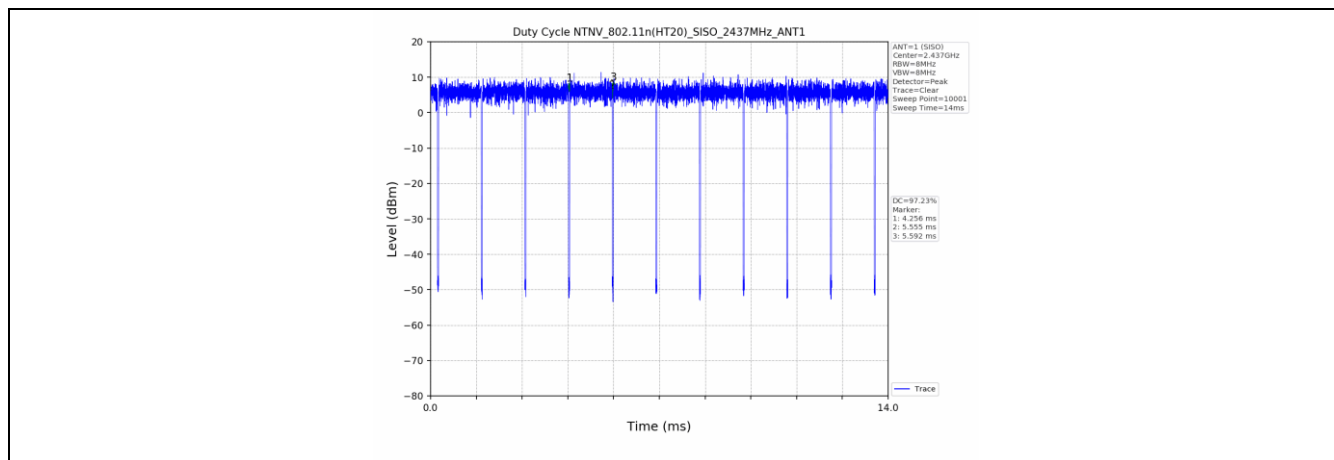
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.410	99.64	0.02
	2437	SISO	1	8.380	8.410	99.64	0.02
	2462	SISO	1	8.380	8.410	99.64	0.02
802.11g	2412	SISO	1	1.361	1.397	97.42	0.11
	2437	SISO	1	1.361	1.397	97.42	0.11
	2462	SISO	1	1.360	1.396	97.42	0.11
802.11n(HT20)	2412	SISO	1	1.300	1.336	97.31	0.12
	2437	SISO	1	1.299	1.336	97.23	0.12
	2462	SISO	1	1.299	1.336	97.23	0.12

1.2 Test Graph









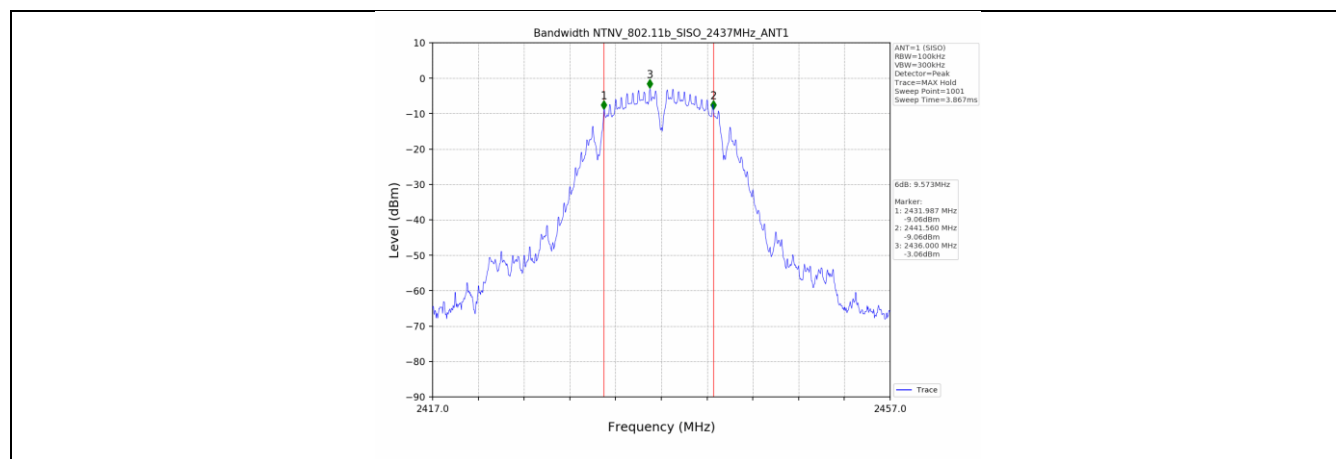
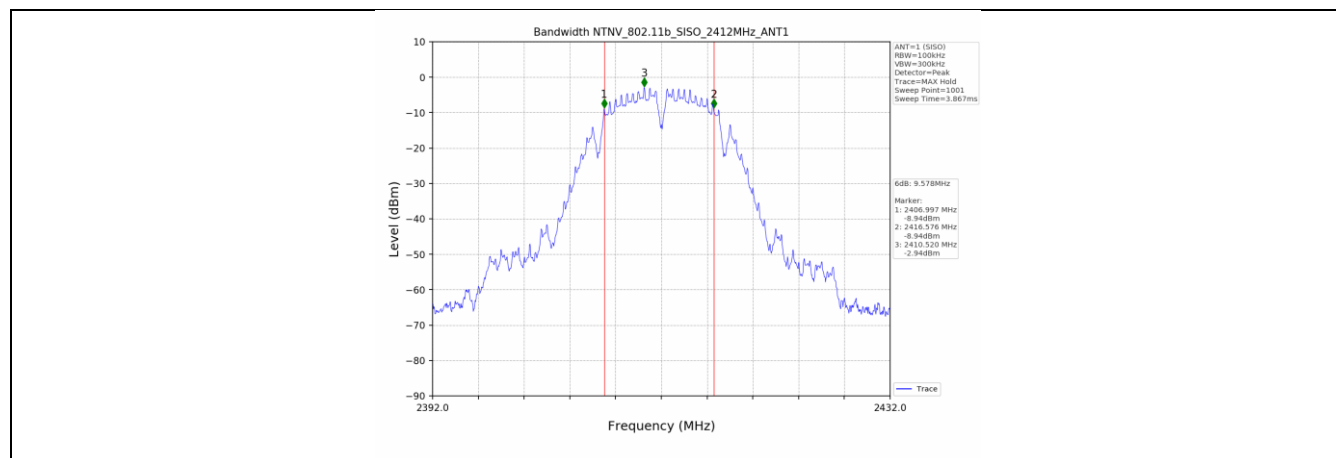
2. Bandwidth

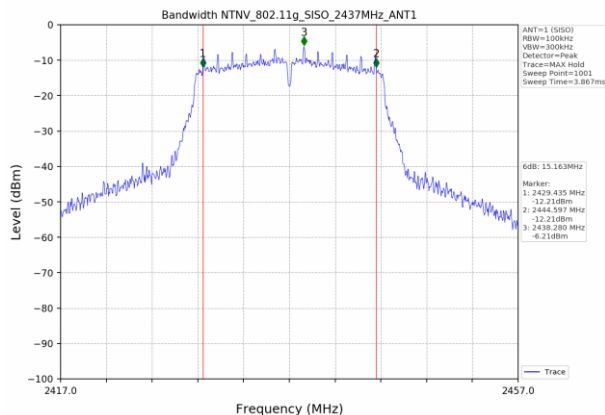
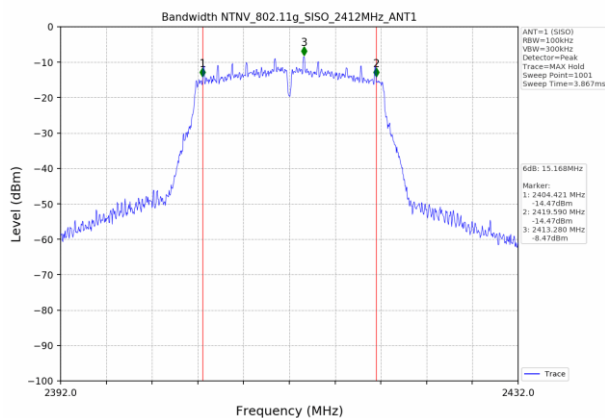
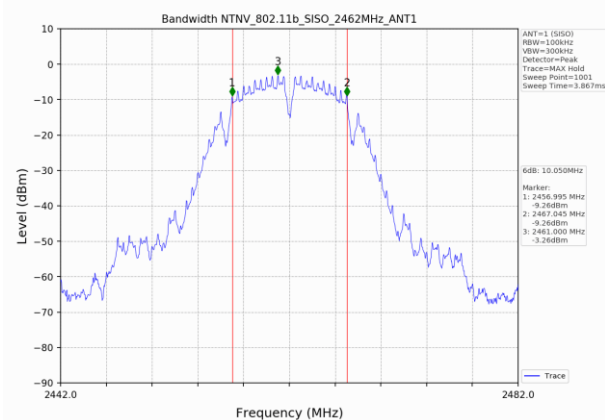
2.1 Test Result

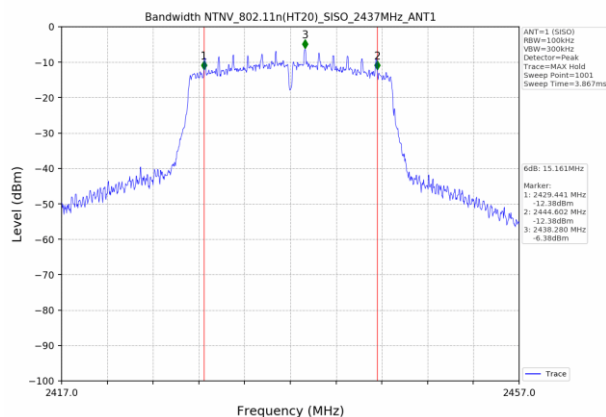
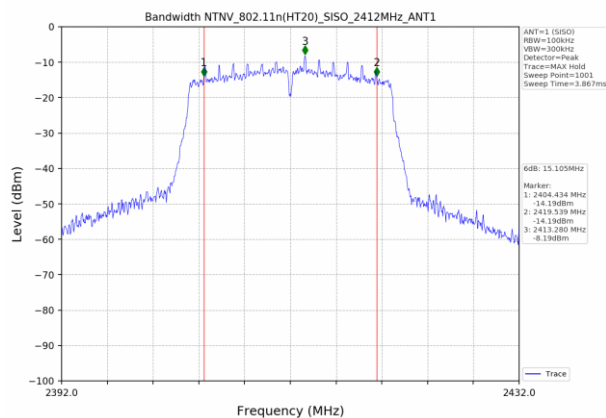
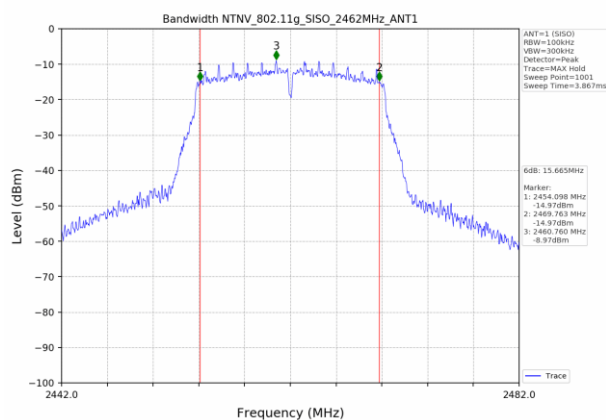
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.578	≥0.5	PASS
	2437	SISO	1	9.573	≥0.5	PASS
	2462	SISO	1	10.050	≥0.5	PASS
802.11g	2412	SISO	1	15.168	≥0.5	PASS
	2437	SISO	1	15.163	≥0.5	PASS
	2462	SISO	1	15.665	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	15.105	≥0.5	PASS
	2437	SISO	1	15.161	≥0.5	PASS
	2462	SISO	1	15.173	≥0.5	PASS

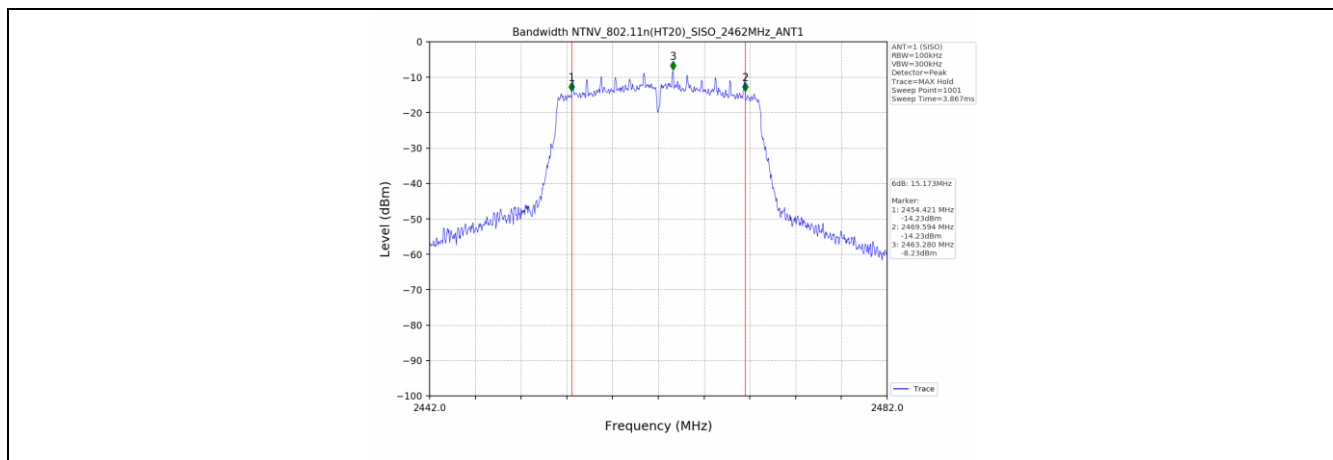
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	12.398	Only for Report Use
	2437	SISO	1	12.397	Only for Report Use
	2462	SISO	1	12.434	Only for Report Use
802.11g	2412	SISO	1	16.737	Only for Report Use
	2437	SISO	1	16.780	Only for Report Use
	2462	SISO	1	16.756	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.657	Only for Report Use
	2437	SISO	1	17.682	Only for Report Use
	2462	SISO	1	17.662	Only for Report Use

2.2 Test Graph - 6dB Bandwidth

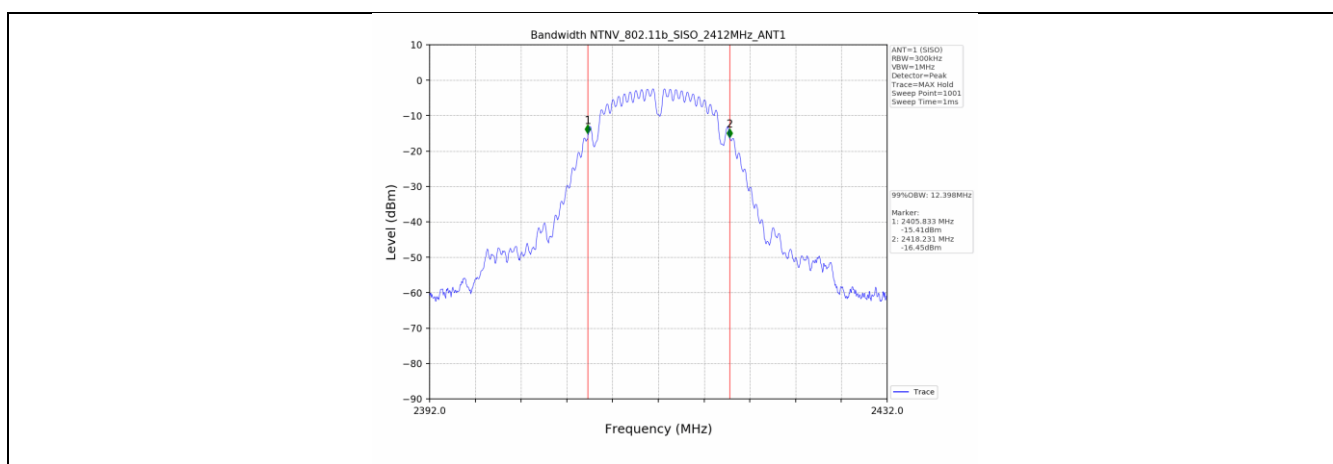


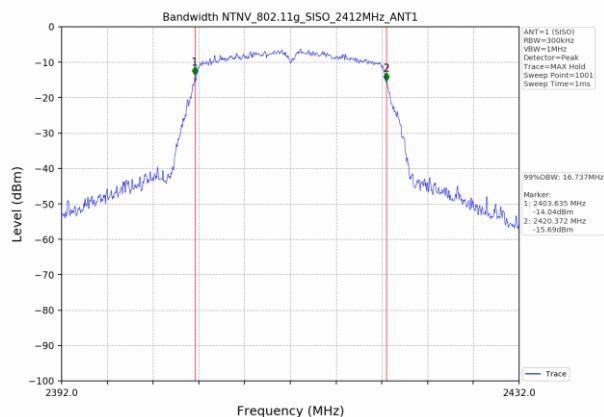
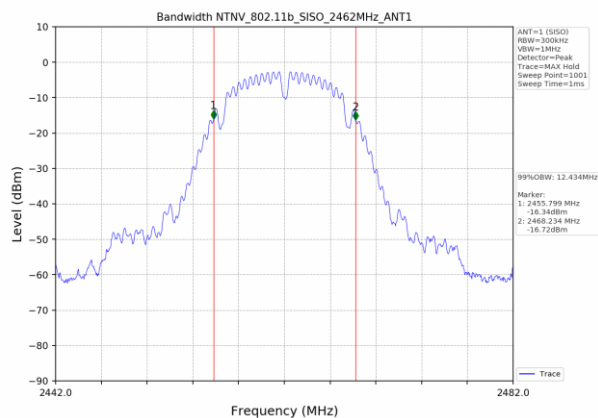
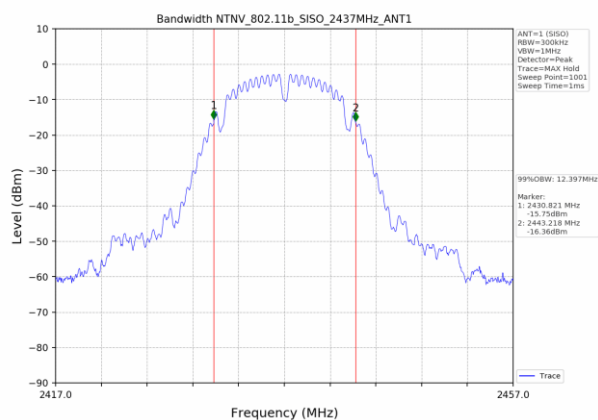


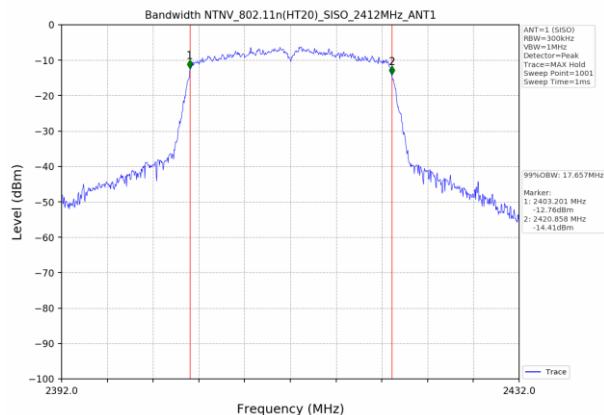
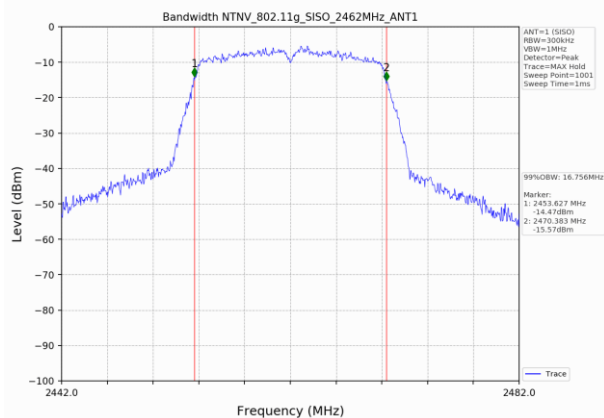
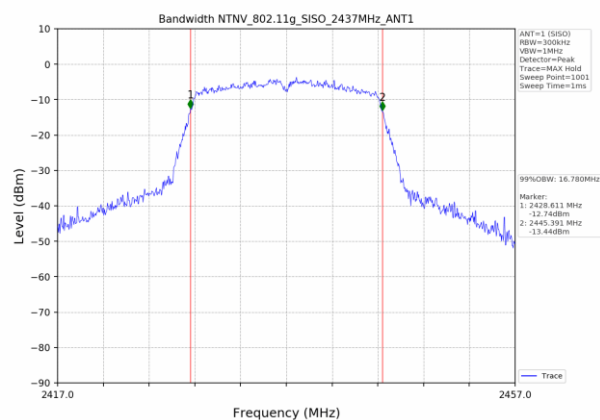


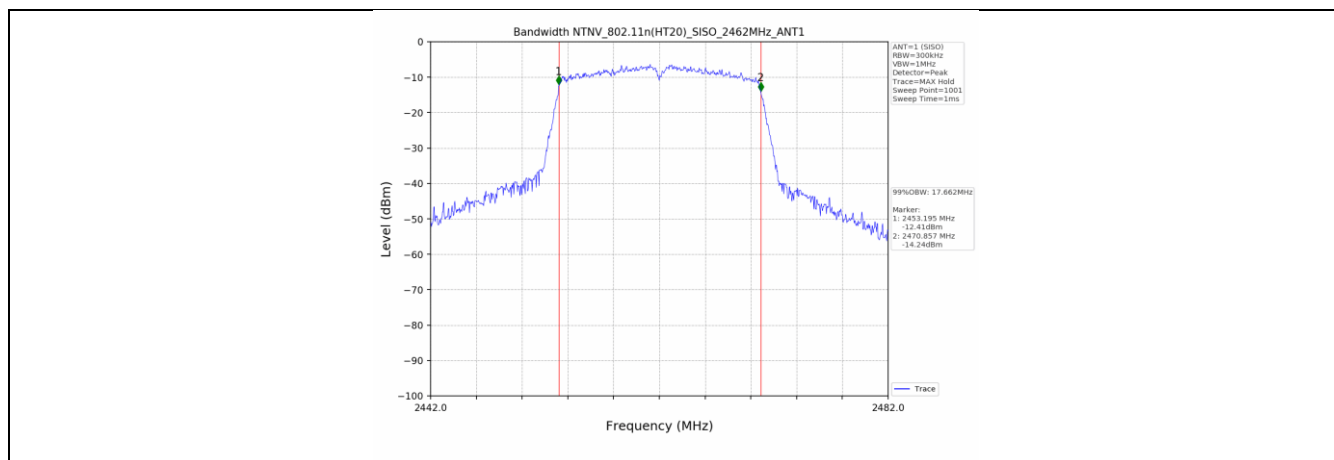
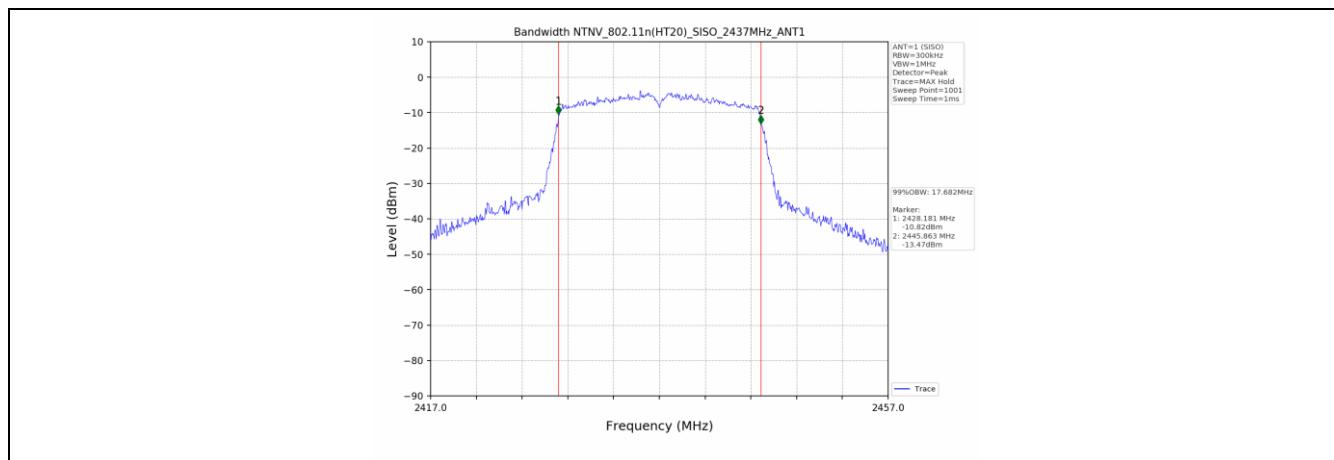


2.3 Test Graph - 99% Occupied Bandwidth









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	9.60	30	PASS
	2437	SISO	9.22	30	PASS
	2462	SISO	9.43	30	PASS
802.11g	2412	SISO	8.03	30	PASS
	2437	SISO	8.15	30	PASS
	2462	SISO	8.55	30	PASS
802.11n(HT20)	2412	SISO	8.01	30	PASS
	2437	SISO	8.94	30	PASS
	2462	SISO	8.02	30	PASS

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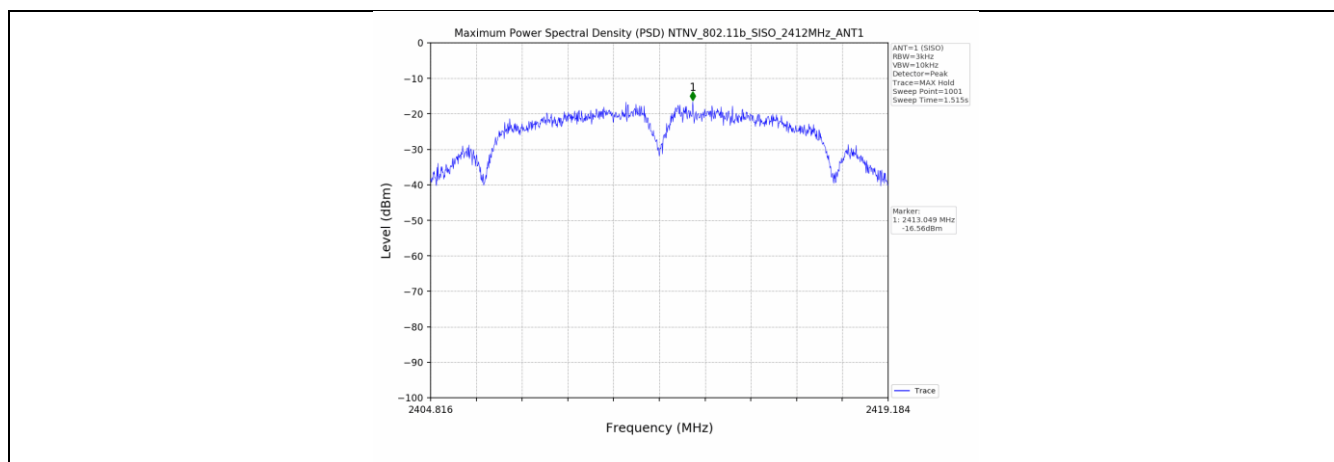
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 27798960

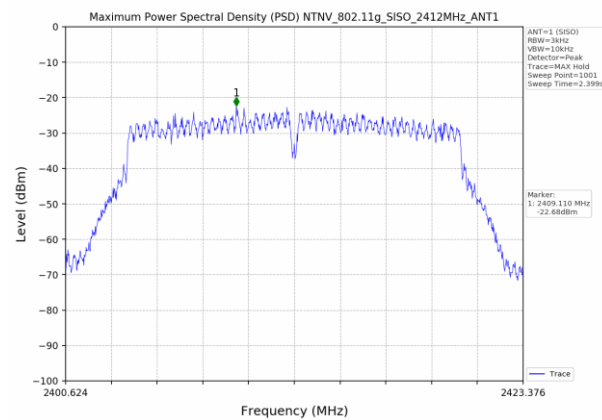
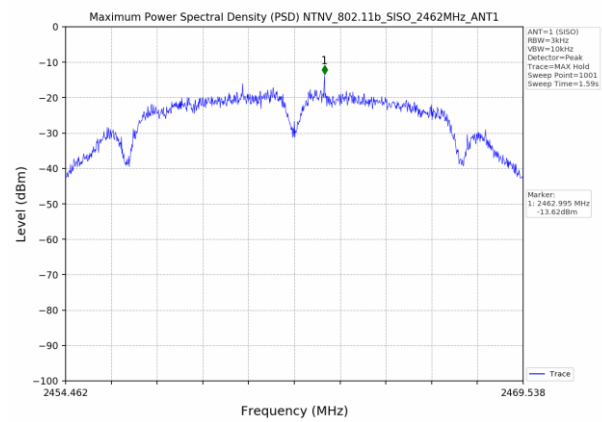
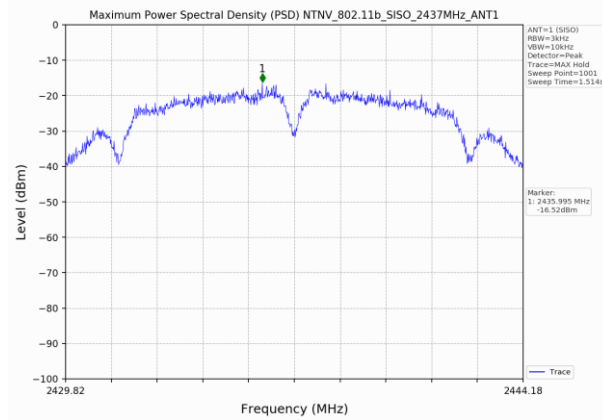
4. Maximum Power Spectral Density (PSD)

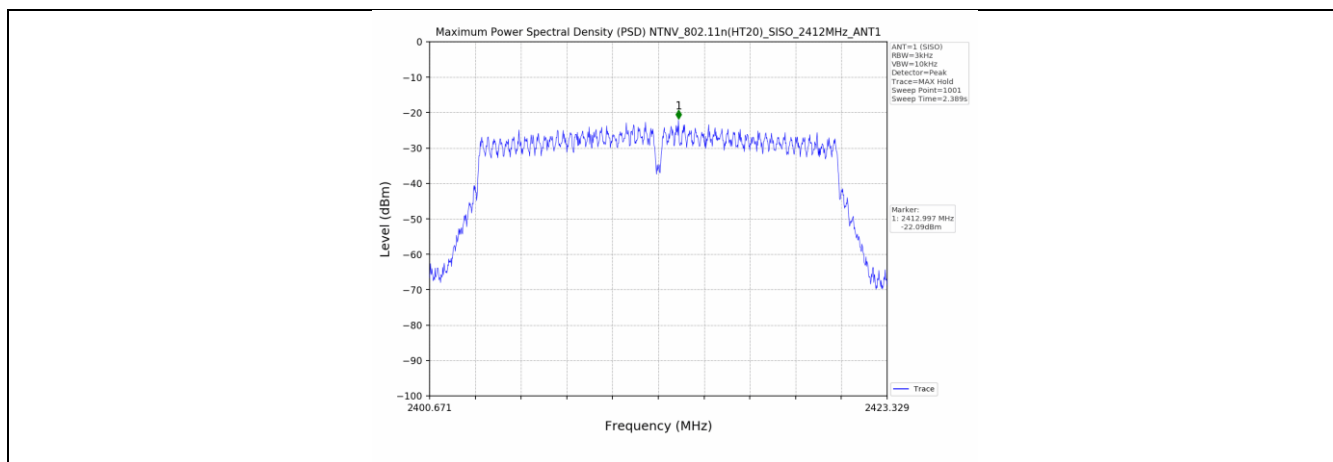
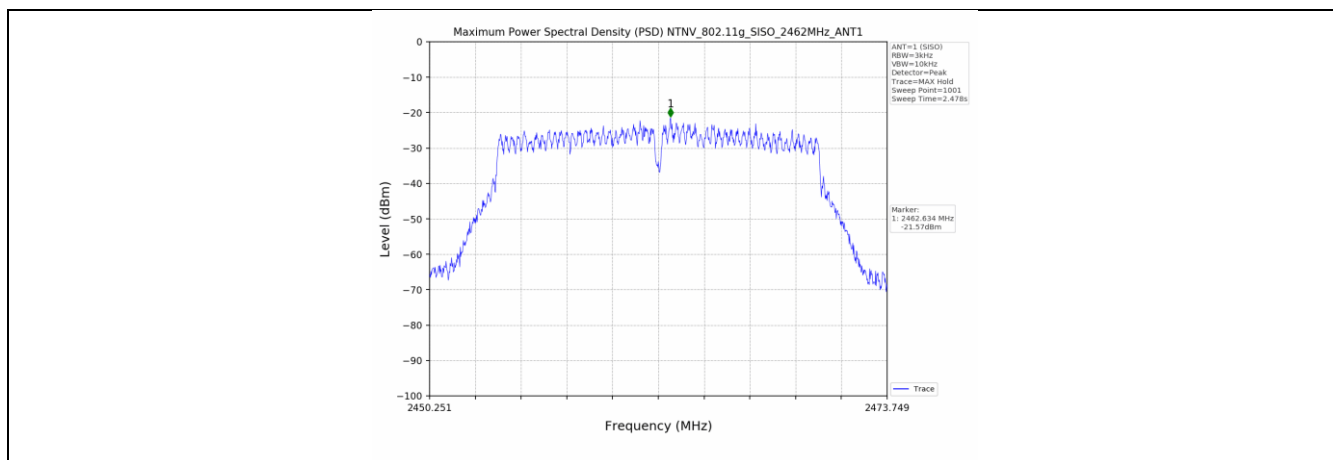
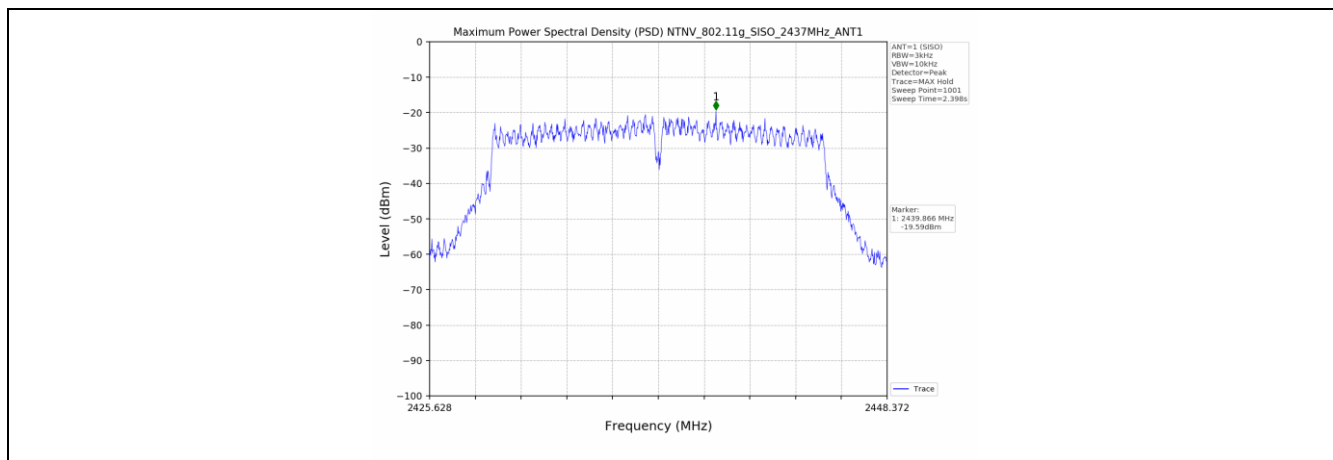
4.1 Test Result

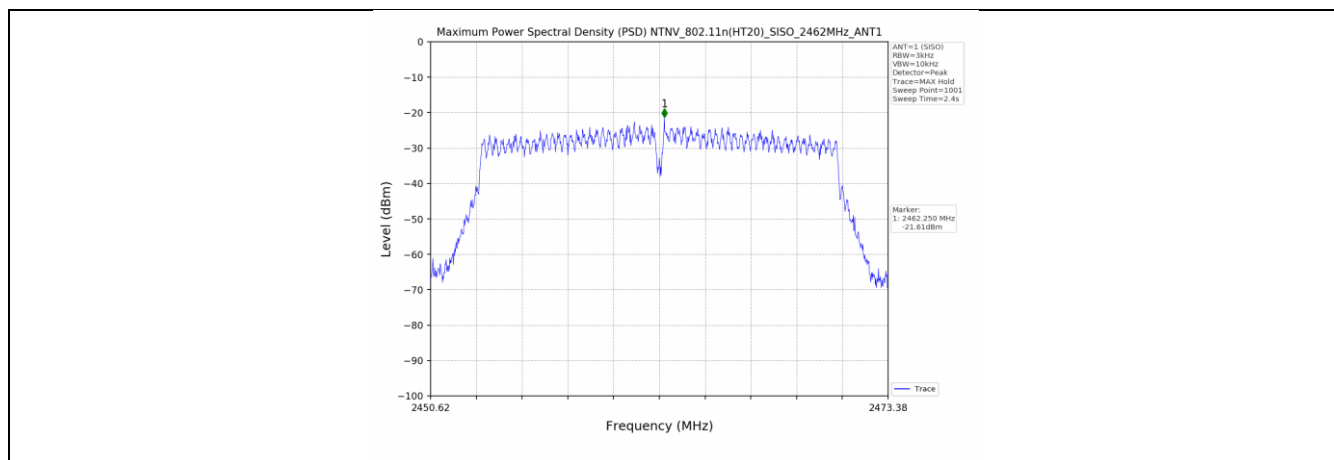
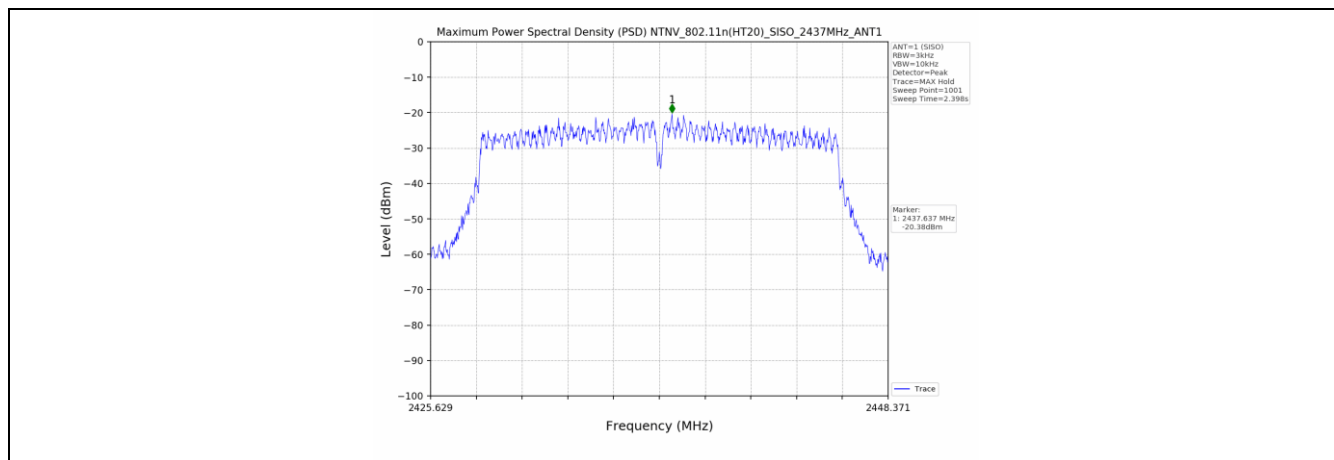
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-16.56	≤8	PASS
	2437	SISO	-16.52	≤8	PASS
	2462	SISO	-13.62	≤8	PASS
802.11g	2412	SISO	-22.68	≤8	PASS
	2437	SISO	-19.59	≤8	PASS
	2462	SISO	-21.57	≤8	PASS
802.11n(HT20)	2412	SISO	-22.09	≤8	PASS
	2437	SISO	-20.38	≤8	PASS
	2462	SISO	-21.61	≤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	-23.06	PASS
	2437	SISO	1	Refer to test graph	-23.06	PASS
	2462	SISO	1	Refer to test graph	-23.06	PASS
802.11g	2412	SISO	1	Refer to test graph	-26.22	PASS
	2437	SISO	1	Refer to test graph	-26.22	PASS
	2462	SISO	1	Refer to test graph	-26.22	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-26.27	PASS
	2437	SISO	1	Refer to test graph	-26.27	PASS
	2462	SISO	1	Refer to test graph	-26.27	PASS

5.2 Test Graph

