

Appendix for 15.247

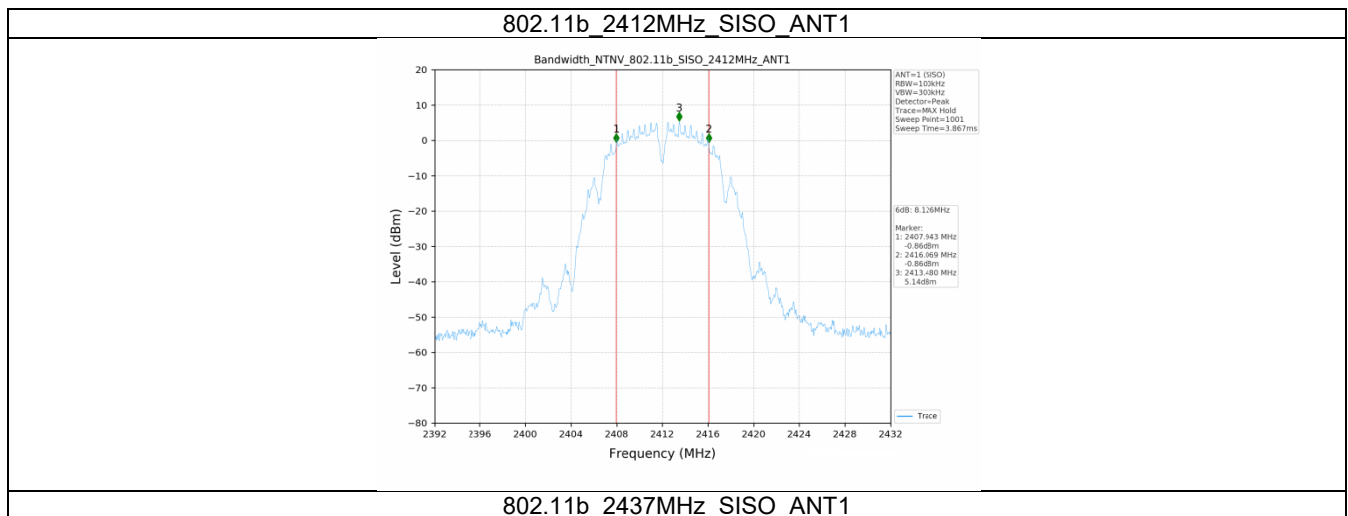
1. Bandwidth

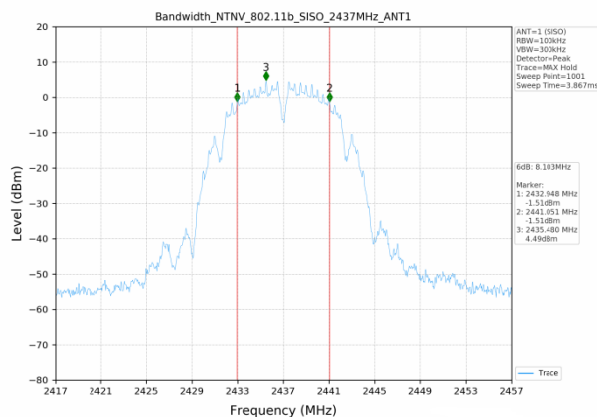
1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.126	≥0.5	PASS
	2437	SISO	1	8.103	≥0.5	PASS
	2462	SISO	1	8.073	≥0.5	PASS
802.11g	2412	SISO	1	16.354	≥0.5	PASS
	2437	SISO	1	16.361	≥0.5	PASS
	2462	SISO	1	16.358	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.536	≥0.5	PASS
	2437	SISO	1	17.155	≥0.5	PASS
	2462	SISO	1	17.054	≥0.5	PASS

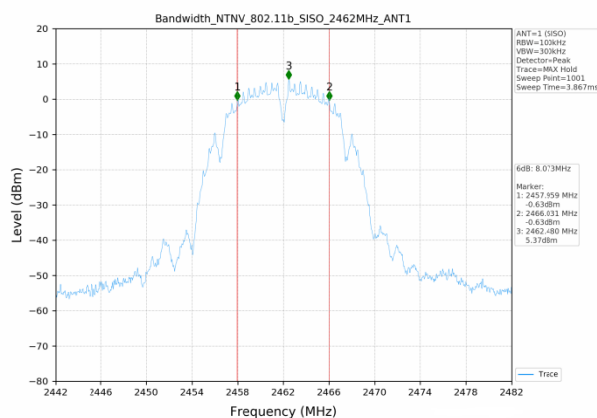
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	10.706	Only for Report Use
	2437	SISO	1	10.750	Only for Report Use
	2462	SISO	1	10.827	Only for Report Use
802.11g	2412	SISO	1	16.852	Only for Report Use
	2437	SISO	1	16.848	Only for Report Use
	2462	SISO	1	16.833	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.817	Only for Report Use
	2437	SISO	1	17.817	Only for Report Use
	2462	SISO	1	17.856	Only for Report Use

1.2 Test Graph - 6dB Bandwidth

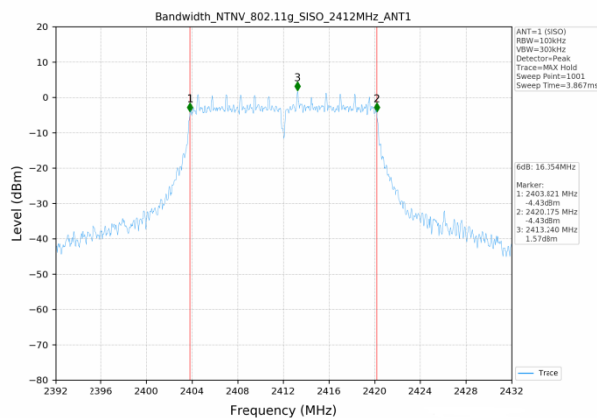




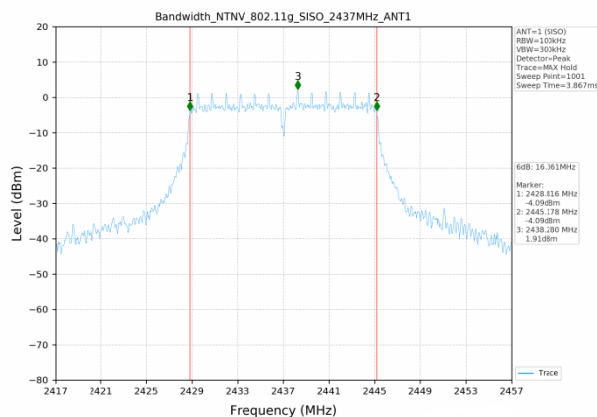
802.11b_2462MHz_SISO_ANT1



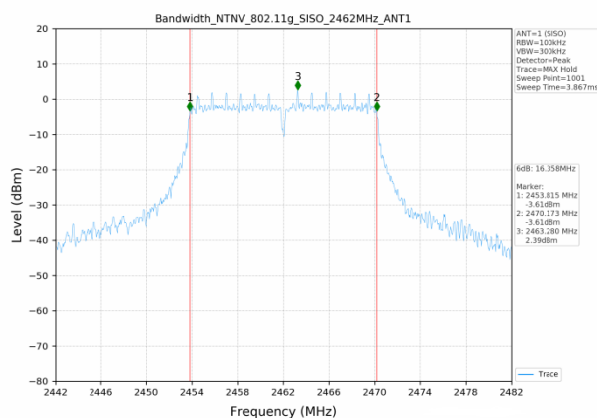
802.11g_2412MHz_SISO_ANT1



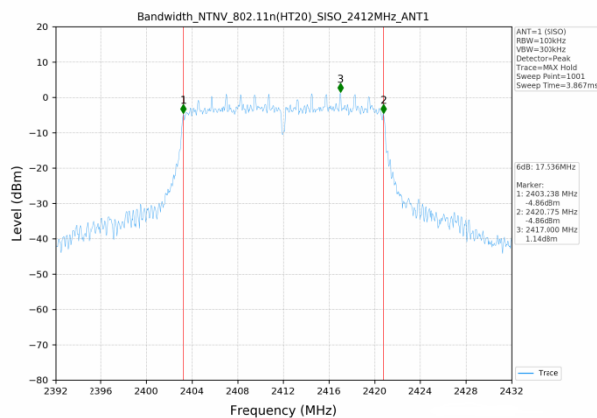
802.11g_2437MHz_SISO_ANT1



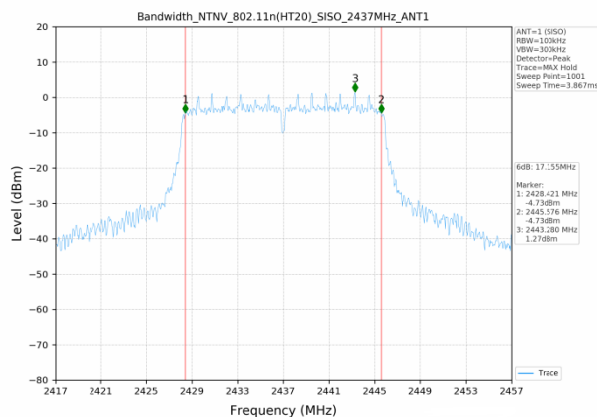
802.11g_2462MHz_SISO_ANT1



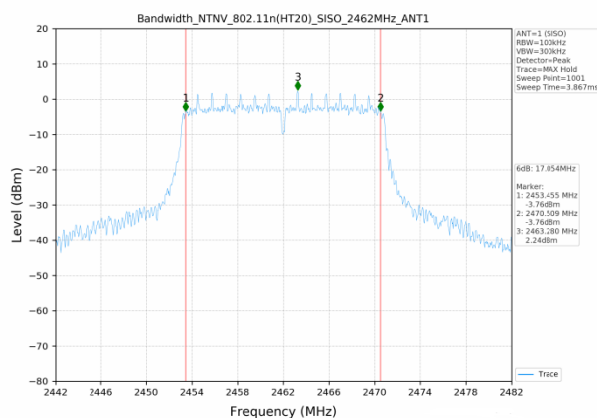
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1

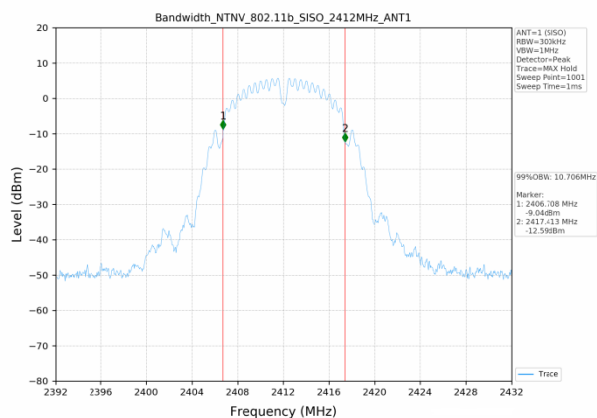


802.11n(HT20) 2462MHz SISO ANT1

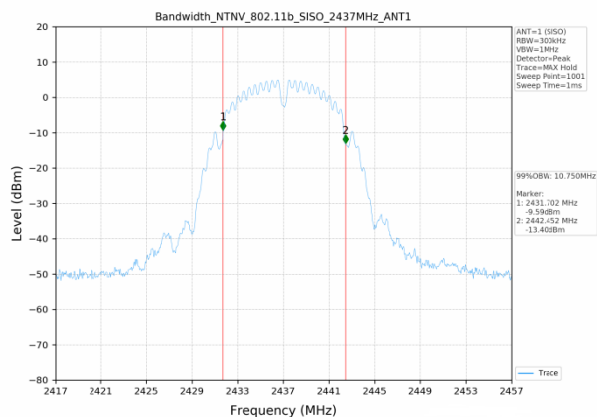


1.3 Test Graph - 99% Occupied Bandwidth

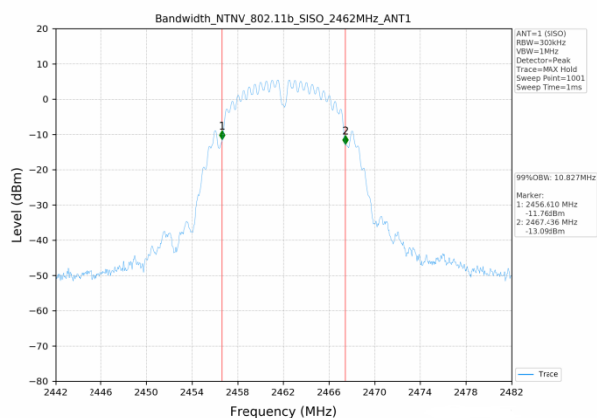
802.11b 2412MHz SISO ANT1



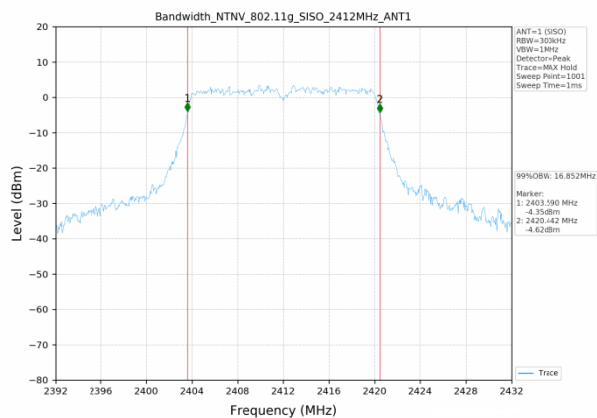
802.11b 2437MHz SISO ANT1



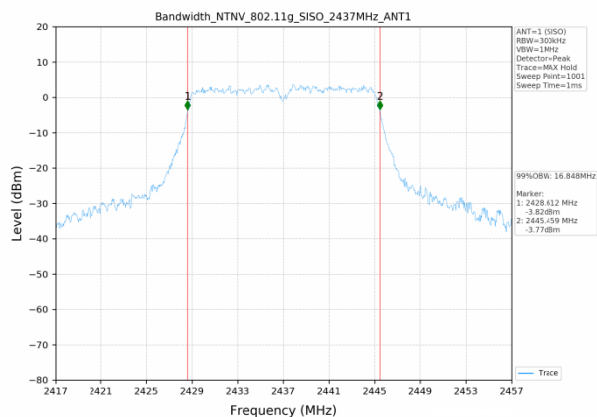
802.11b_2462MHz_SISO_ANT1



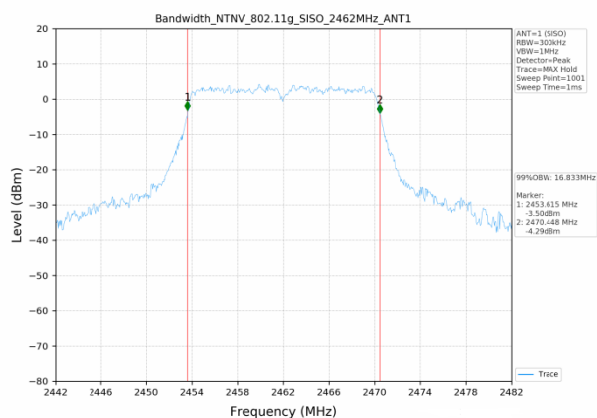
802.11g_2412MHz_SISO_ANT1



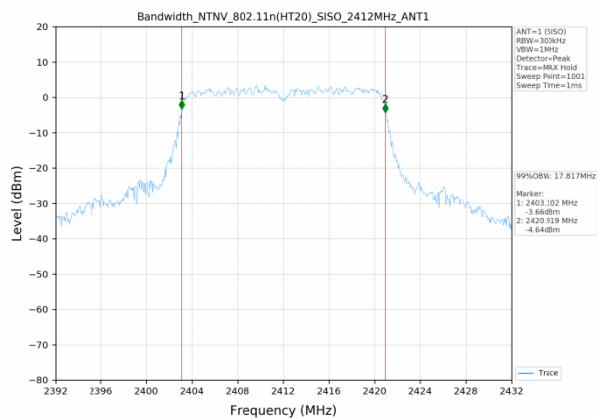
802.11g_2437MHz_SISO_ANT1



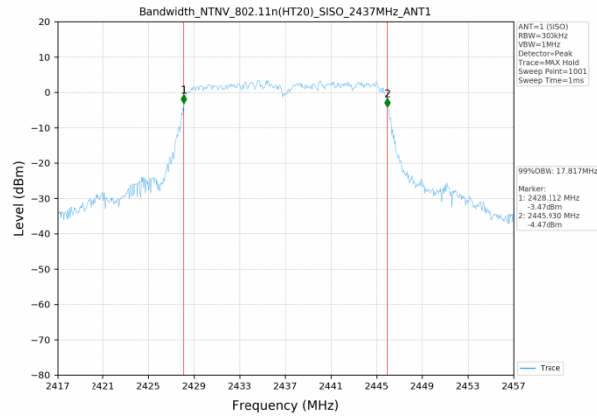
802.11g_2462MHz_SISO_ANT1



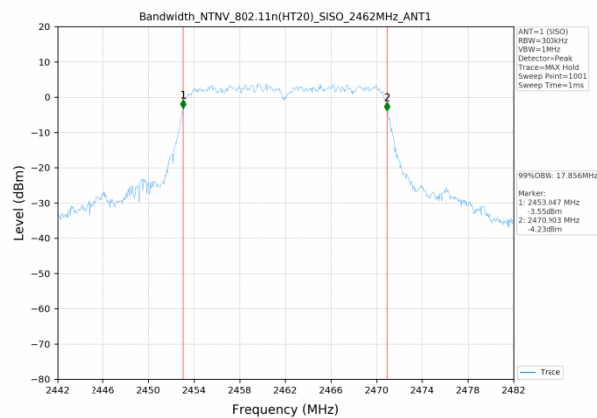
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



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	16.88	30	PASS
	2437	SISO	17.45	30	PASS
	2462	SISO	17.97	30	PASS
802.11g	2412	SISO	16.84	30	PASS
	2437	SISO	15.21	30	PASS
	2462	SISO	16.63	30	PASS
802.11n(HT20)	2412	SISO	16.29	30	PASS
	2437	SISO	16.05	30	PASS
	2462	SISO	16.50	30	PASS

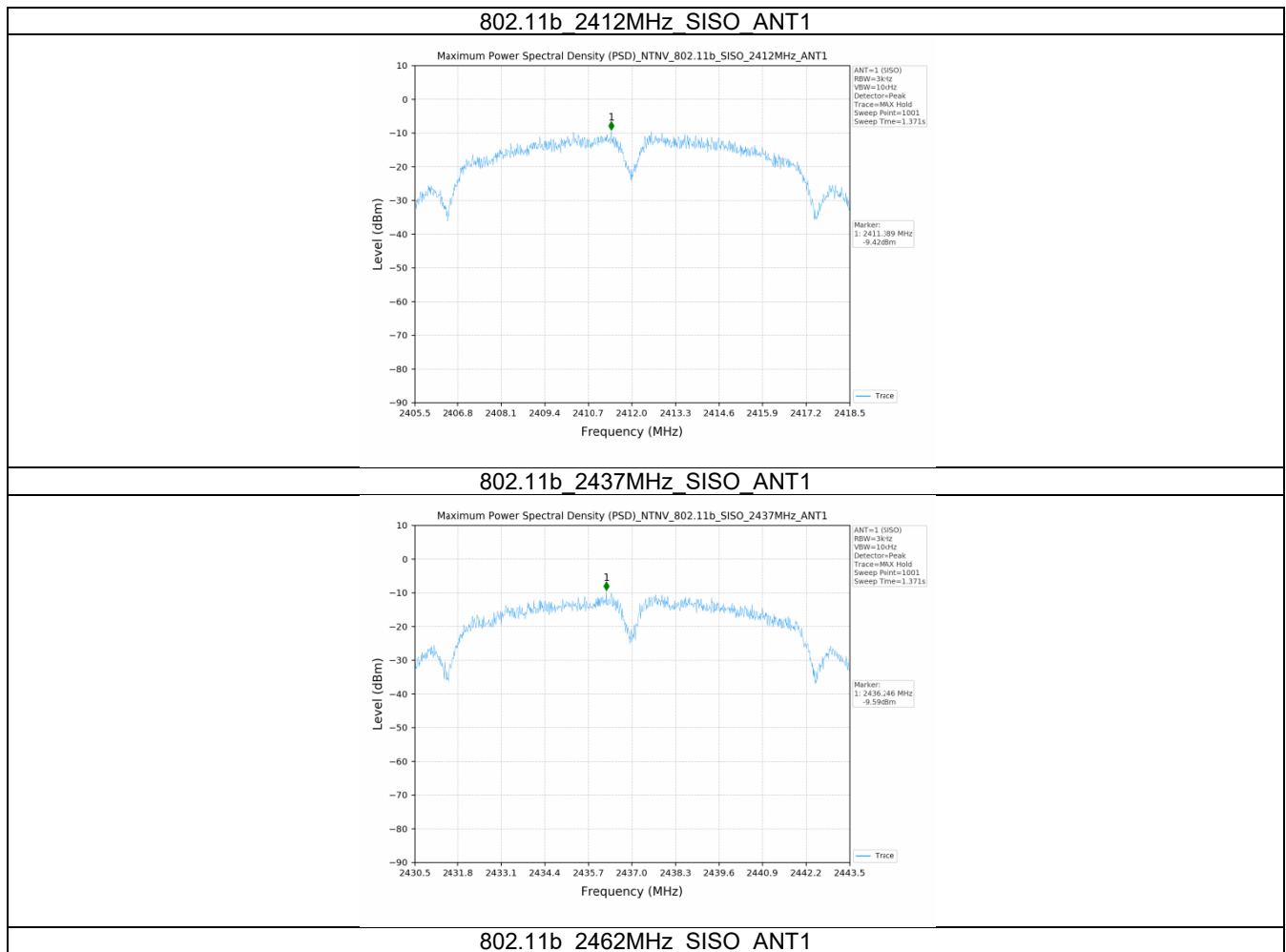
3. Maximum Power Spectral Density (PSD)

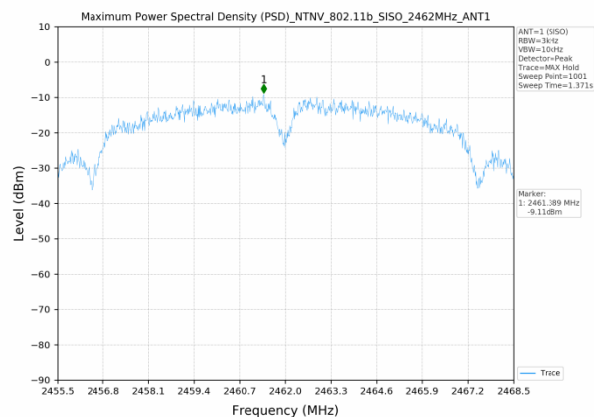
3.1 Test Result

Test Mode	Frequency	Tx Type	Maximum Power	Limits	Verdict
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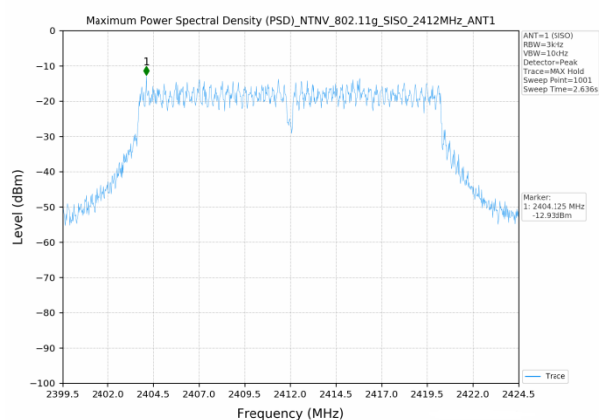
	(MHz)		Spectral Density (dBm/3KHz)	(dBm/3kHz)	
			Ant 1		
802.11b	2412	SISO	-9.42	≤8	PASS
	2437	SISO	-9.59	≤8	PASS
	2462	SISO	-9.11	≤8	PASS
802.11g	2412	SISO	-12.93	≤8	PASS
	2437	SISO	-11.71	≤8	PASS
	2462	SISO	-11.64	≤8	PASS
802.11n(HT20)	2412	SISO	-12.60	≤8	PASS
	2437	SISO	-12.29	≤8	PASS
	2462	SISO	-12.82	≤8	PASS

3.2 Test Graph

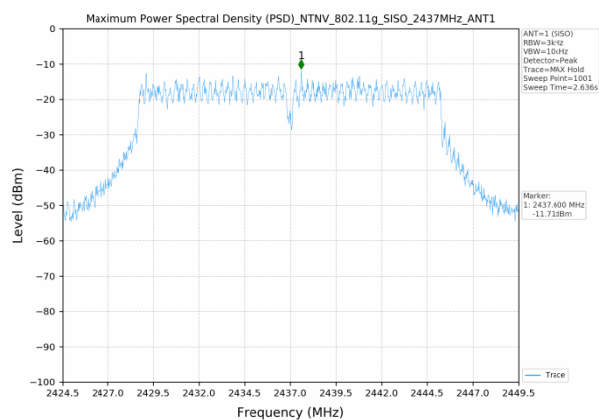




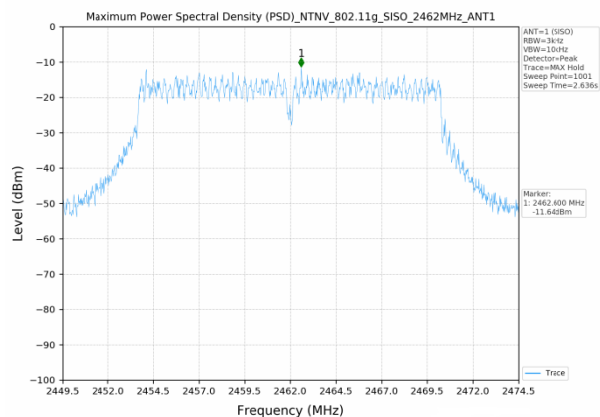
802.11g_2412MHz_SISO_ANT1



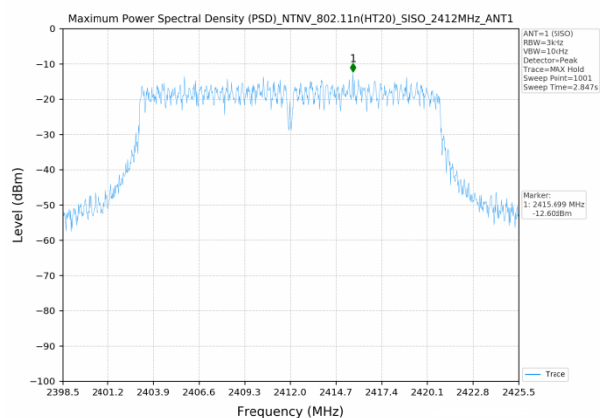
802.11g_2437MHz_SISO_ANT1



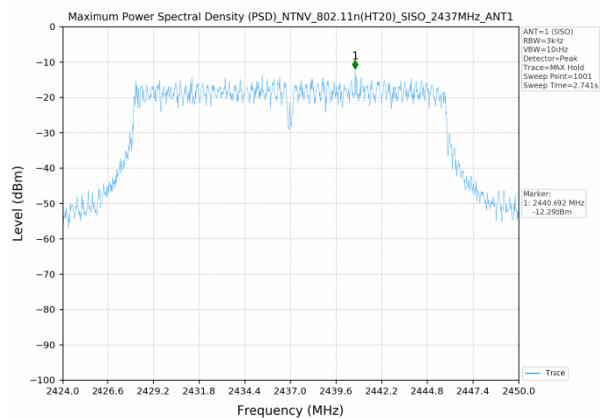
802.11g_2462MHz_SISO_ANT1



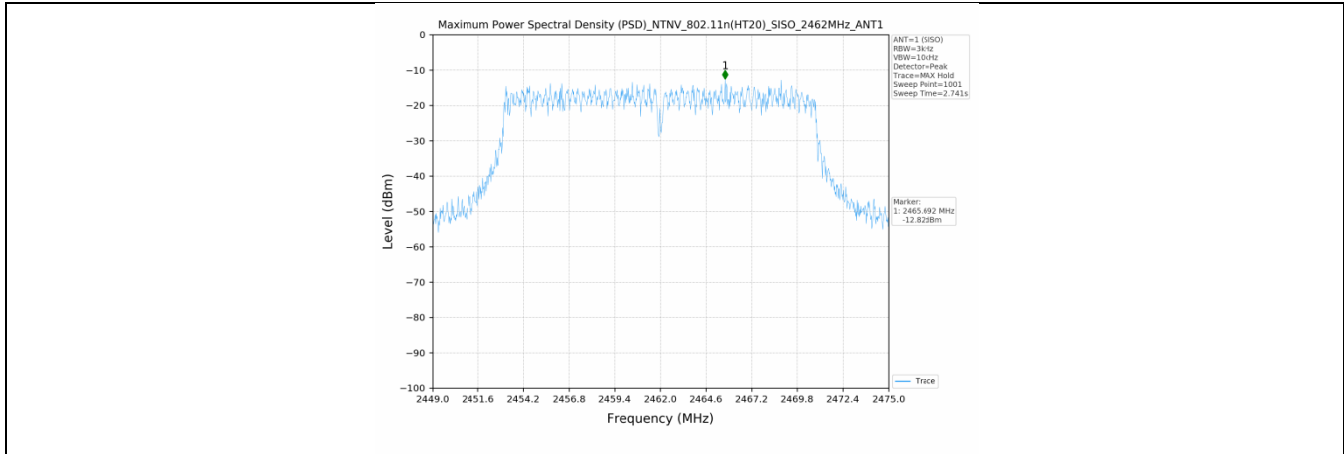
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1

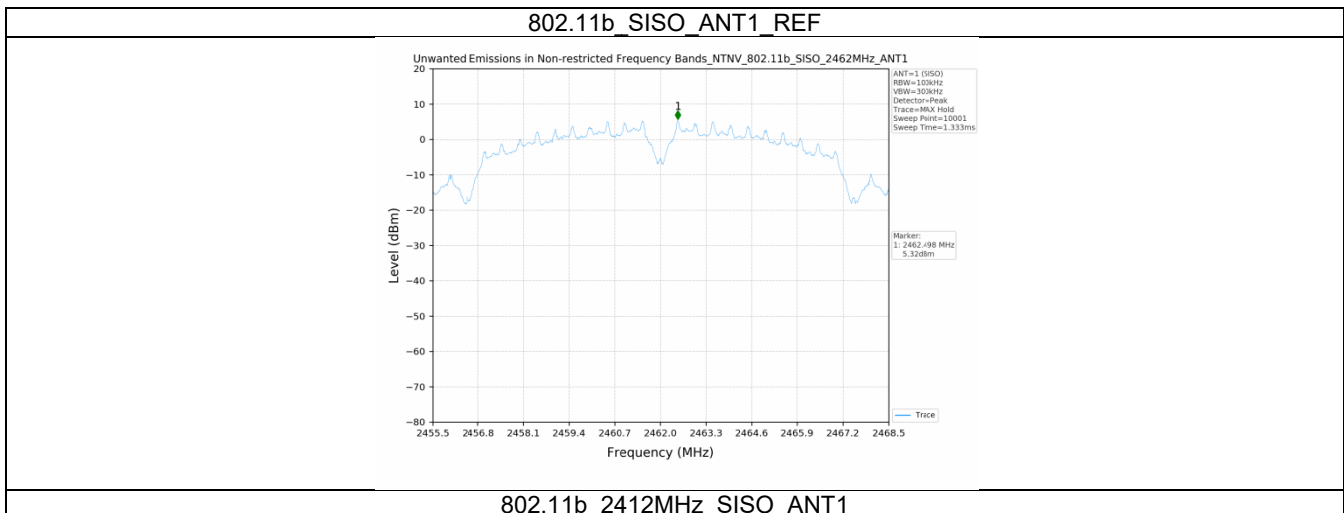


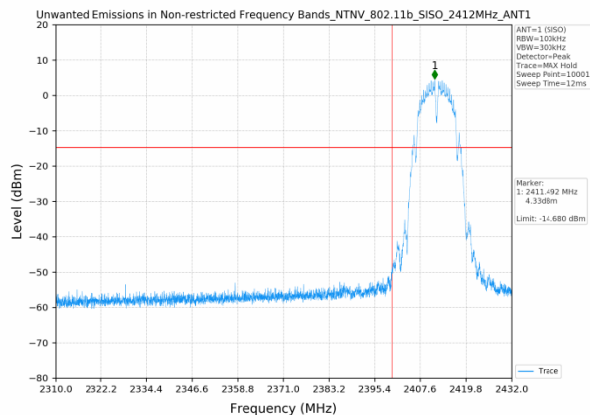
4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 Test Result

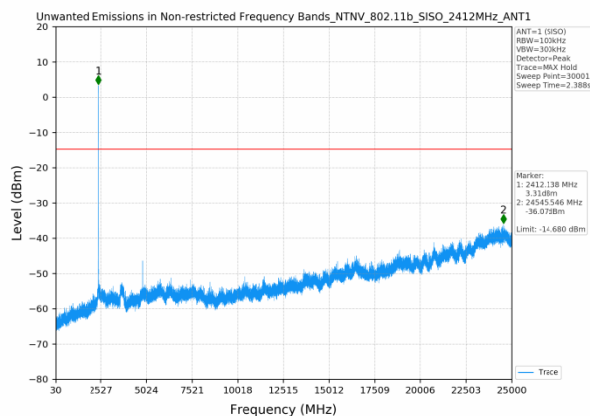
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-14.68	PASS
	2437	SISO	1	Refer to test graph	-14.68	PASS
	2462	SISO	1	Refer to test graph	-14.68	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.88	PASS
	2437	SISO	1	Refer to test graph	-17.88	PASS
	2462	SISO	1	Refer to test graph	-17.88	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-17.97	PASS
	2437	SISO	1	Refer to test graph	-17.97	PASS
	2462	SISO	1	Refer to test graph	-17.97	PASS

4.2 Test Graph

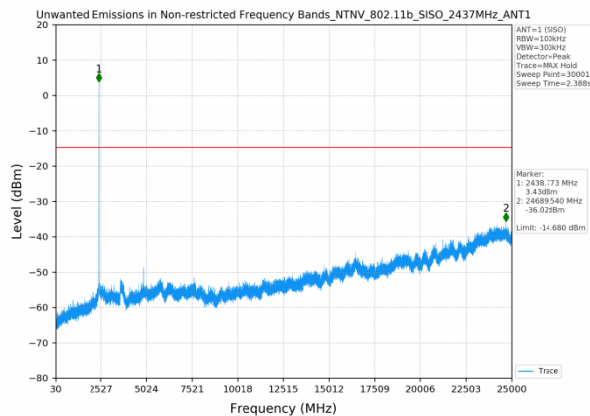




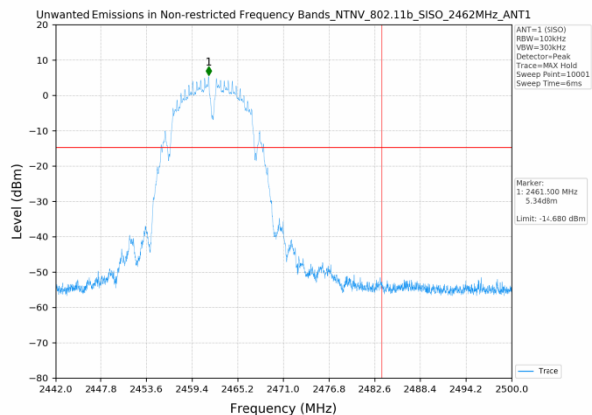
802.11b_2412MHz_SISO ANT1



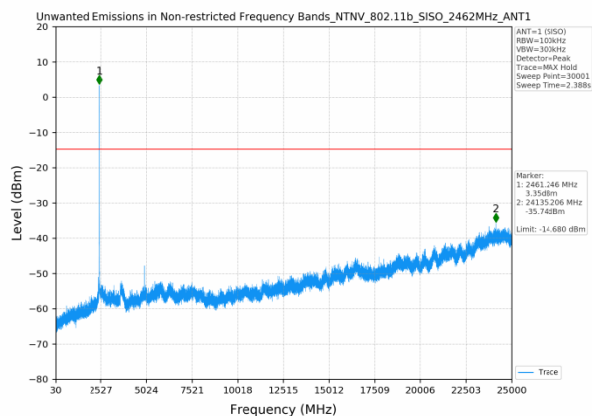
802.11b_2437MHz_SISO ANT1



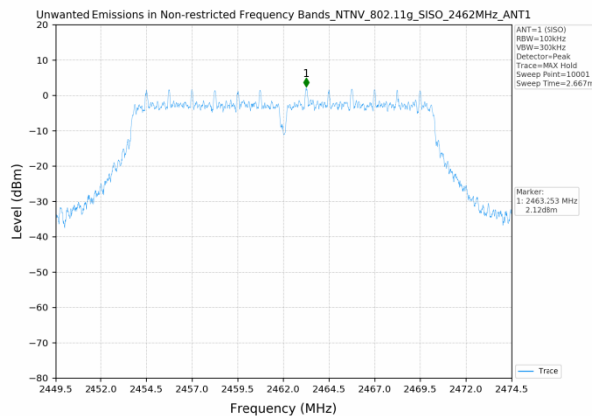
802.11b_2462MHz_SISO ANT1



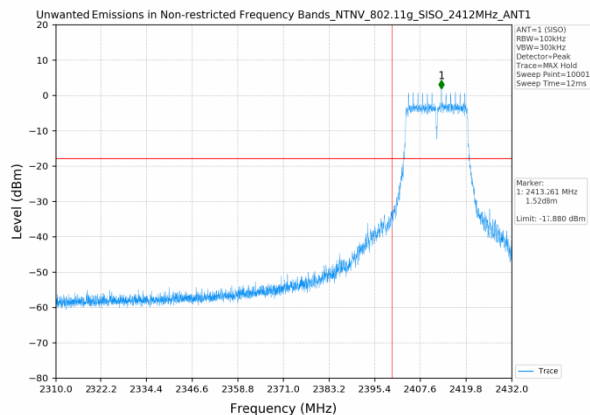
802.11b_2462MHz_SISO_ANT1



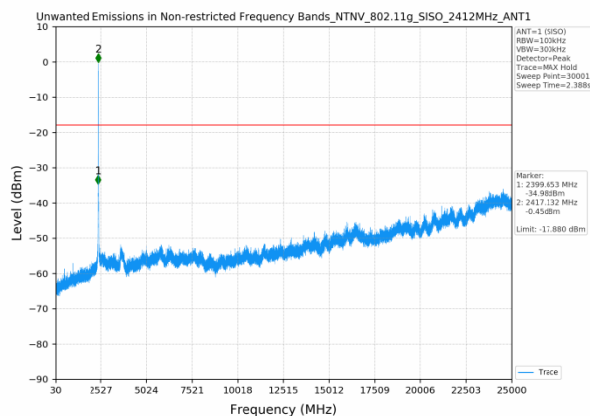
802.11g_SISO_ANT1_REF



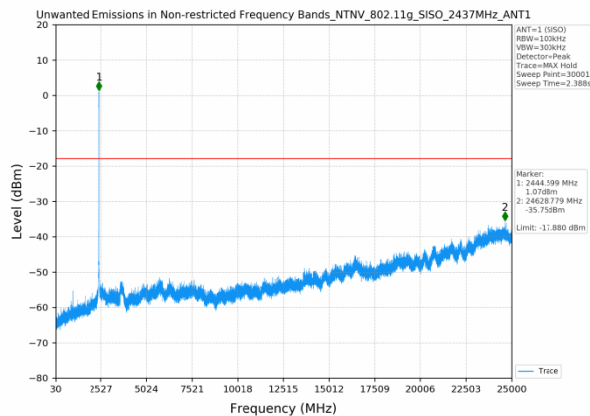
802.11g_2412MHz_SISO_ANT1



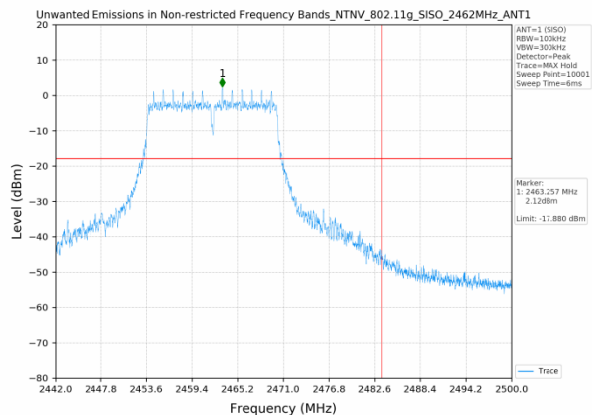
802.11g_2412MHz_SISO_ANT1



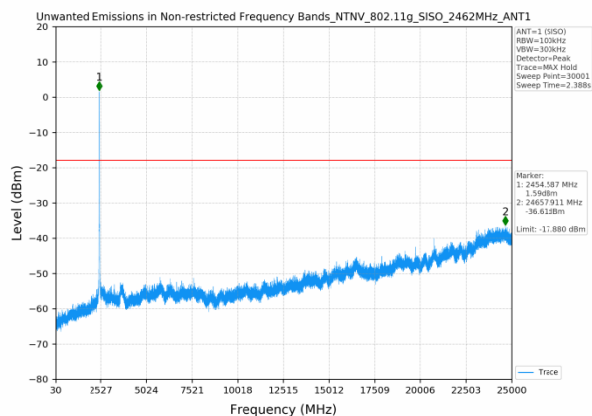
802.11g_2437MHz_SISO_ANT1



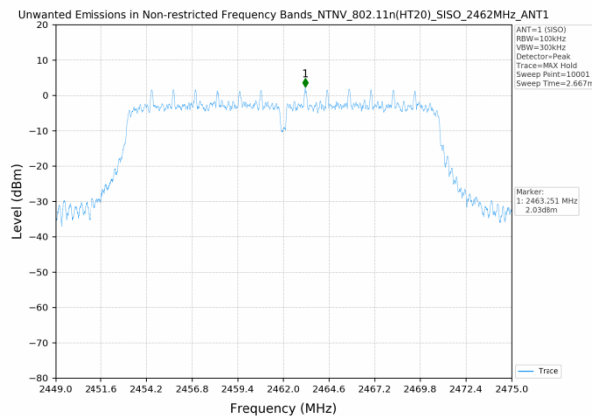
802.11g_2462MHz_SISO_ANT1



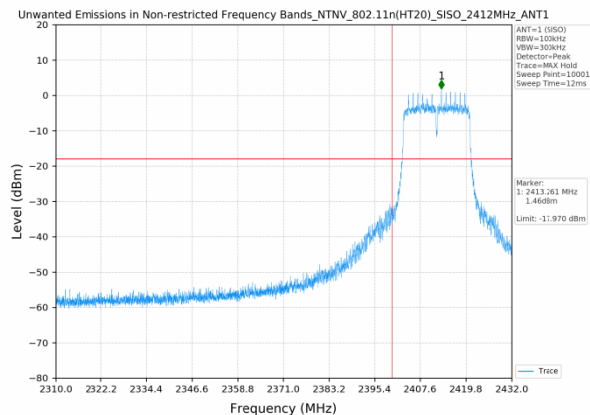
802.11g_2462MHz_SISO_ANT1



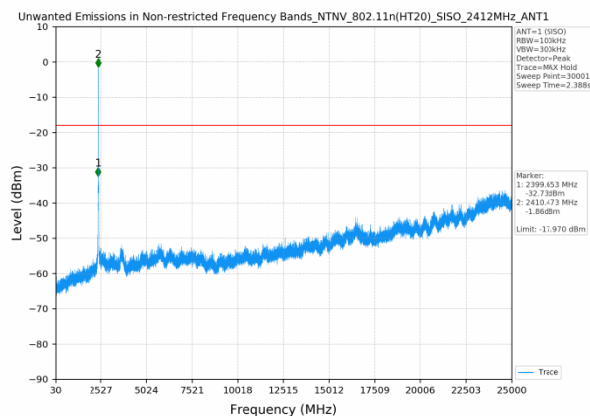
802.11n(HT20)_SISO_ANT1_REF



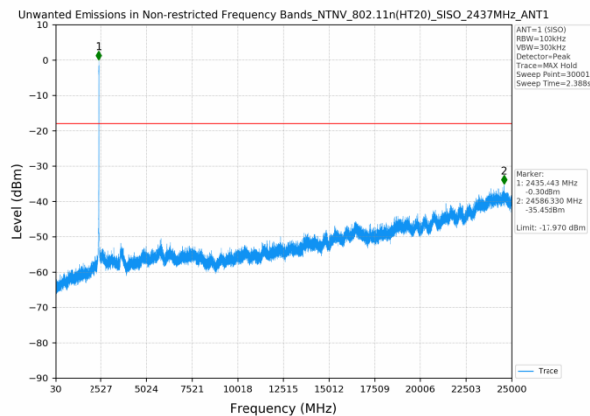
802.11n(HT20)_2412MHz_SISO_ANT1



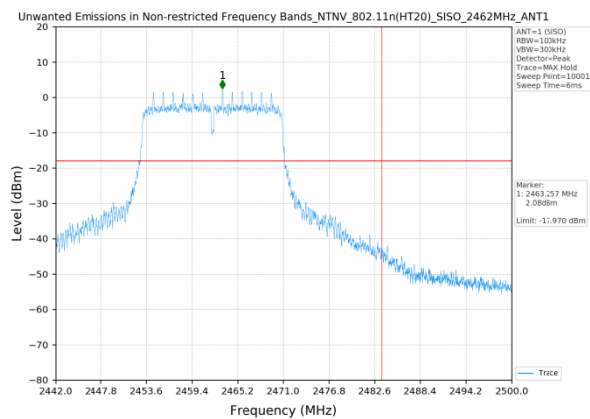
802.11n(HT20)_2412MHz_SISO_ANT1



802.11n(HT20)_2437MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1



802.11n(HT20)_2462MHz_SISO_ANT1

