

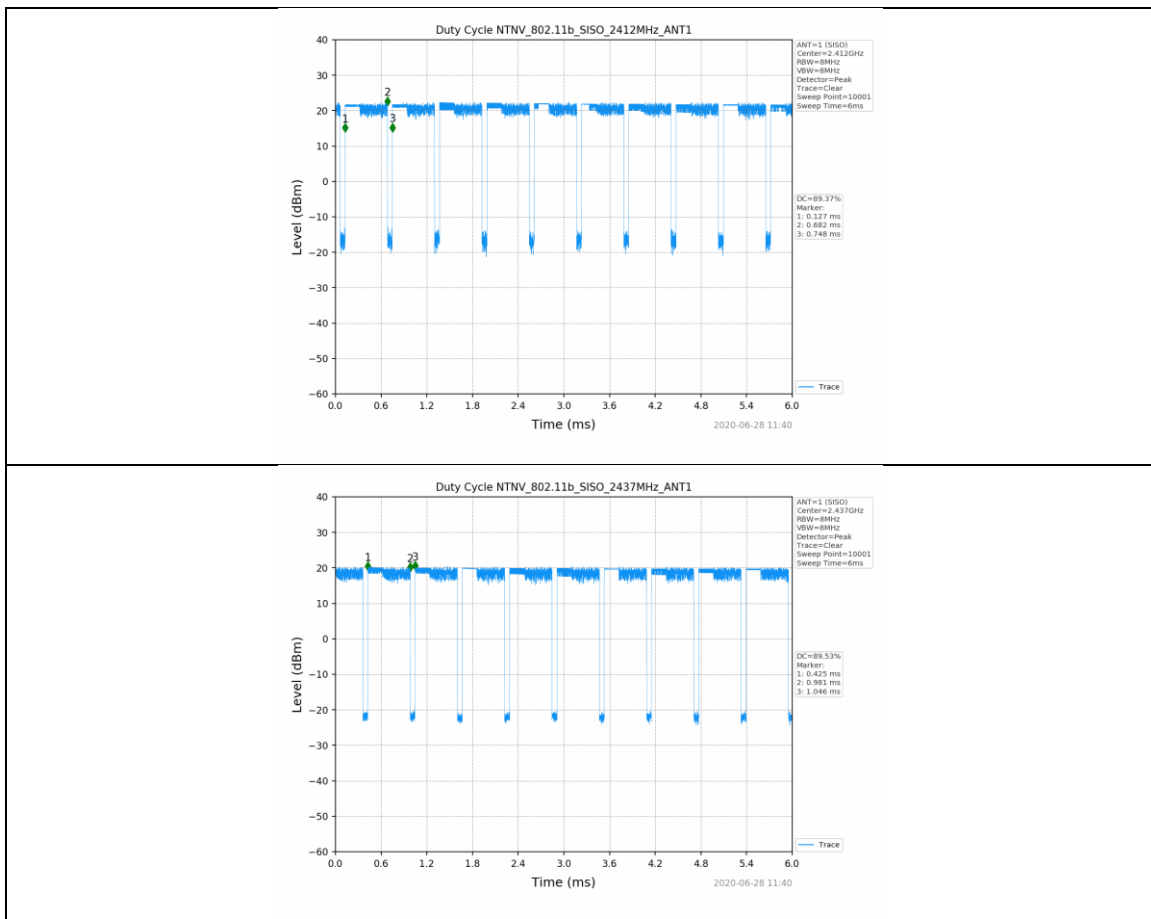
Appendix for 15.247

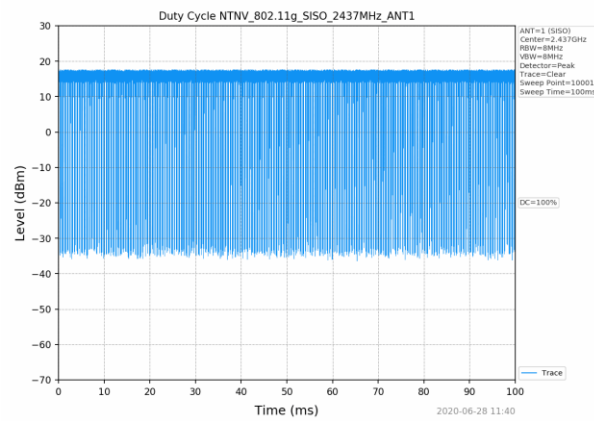
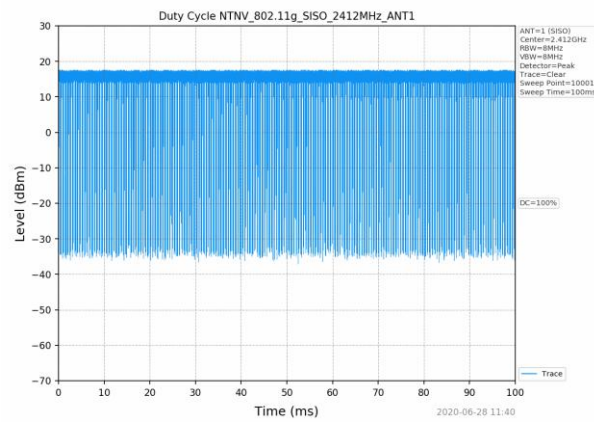
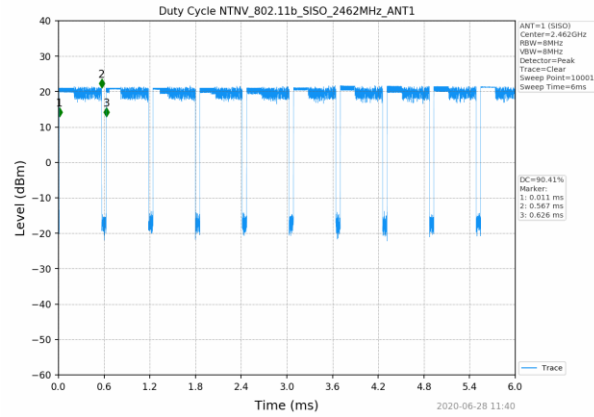
1. Duty Cycle

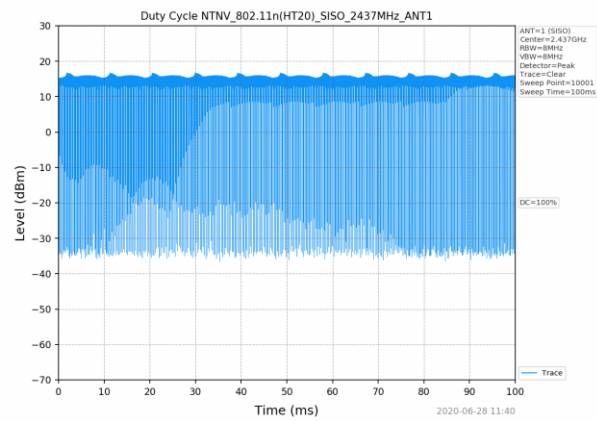
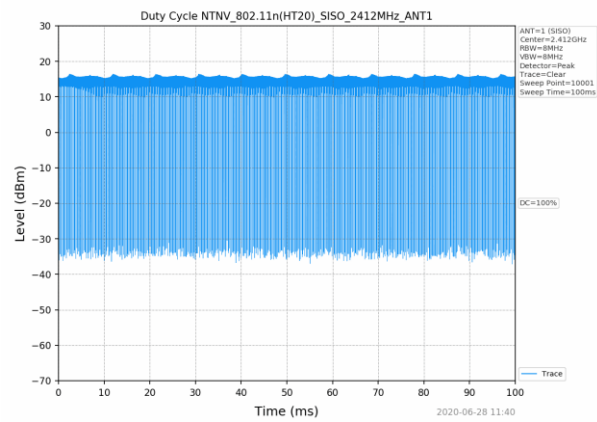
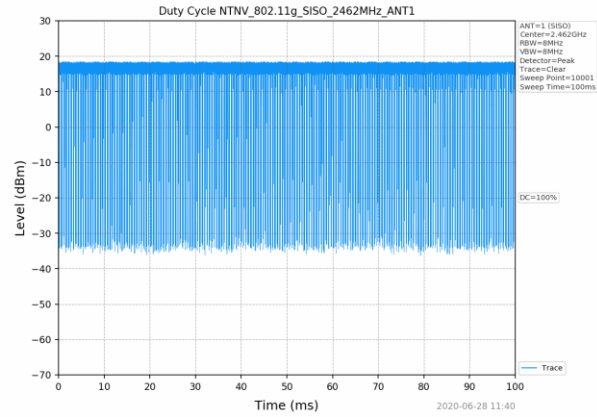
1.1 Test Result

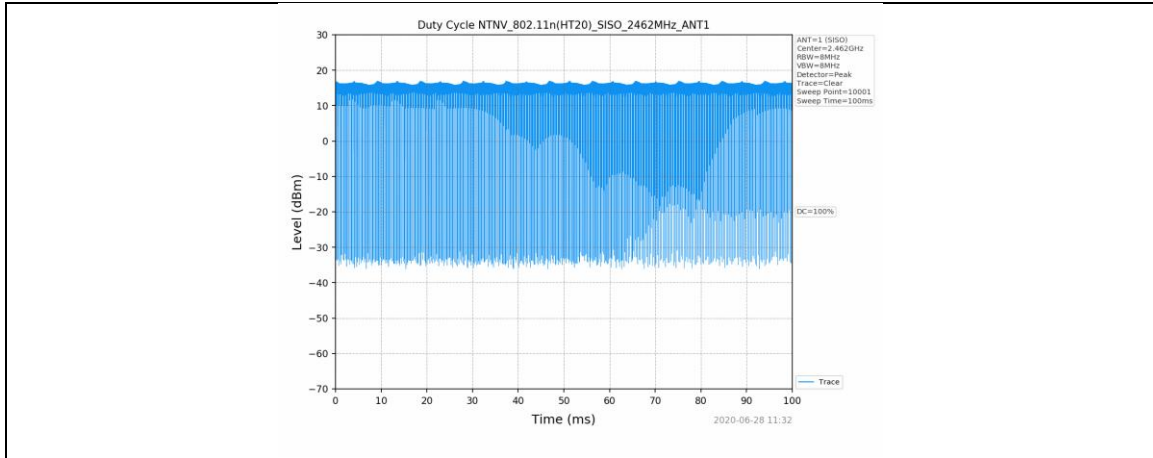
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	0.555	0.621	89.37	0.49
	2437	SISO	1	0.556	0.621	89.53	0.48
	2462	SISO	1	0.556	0.615	90.41	0.44
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(H T20)	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00

1.2 Test Graph









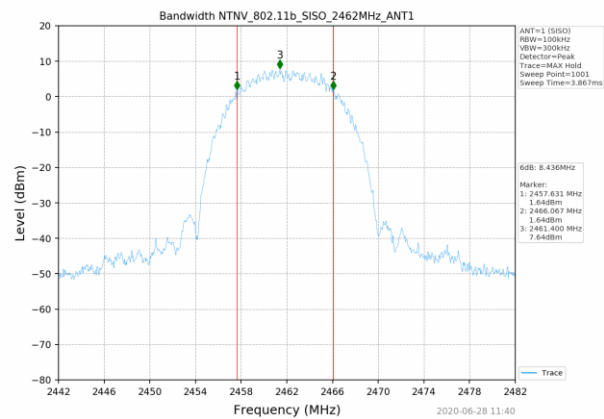
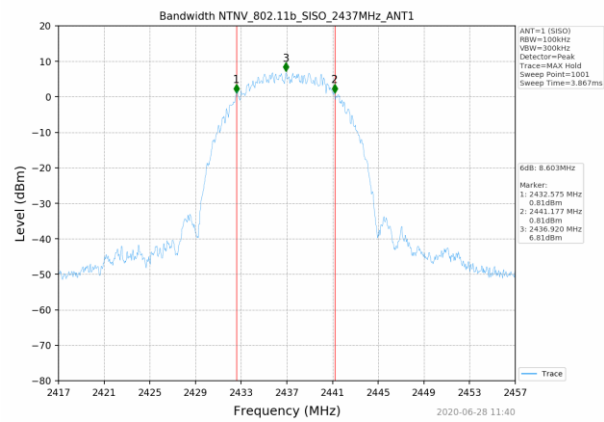
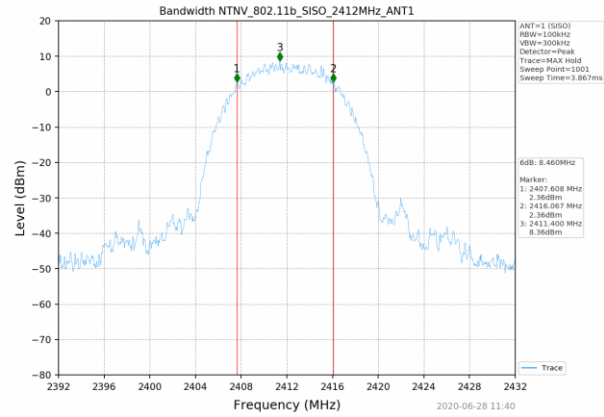
2. Bandwidth

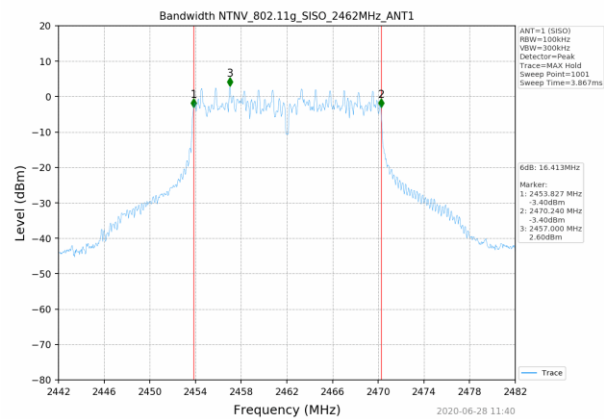
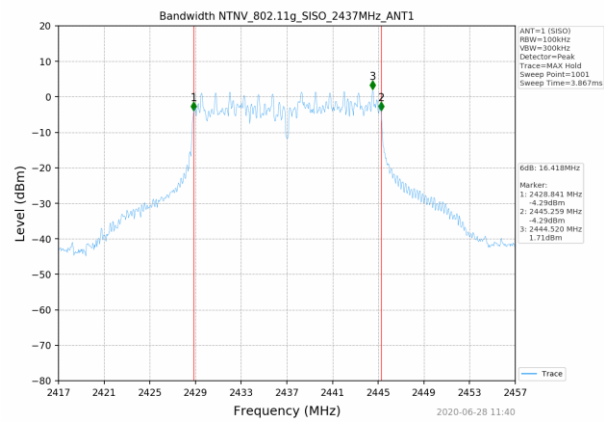
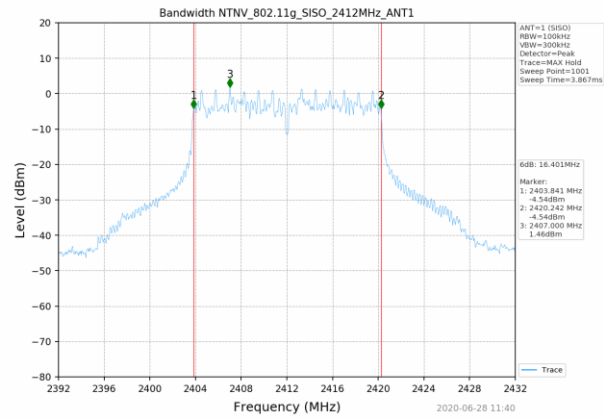
2.1 Test Result

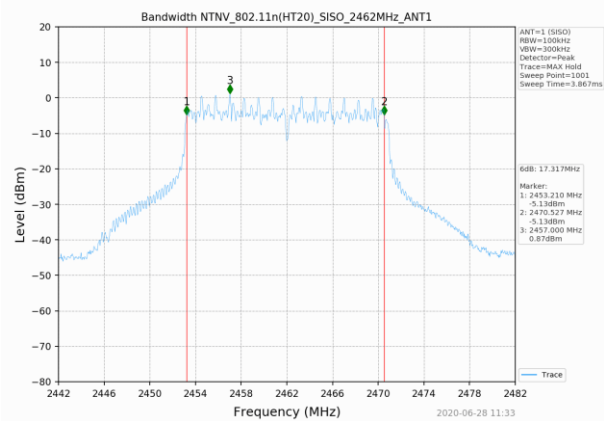
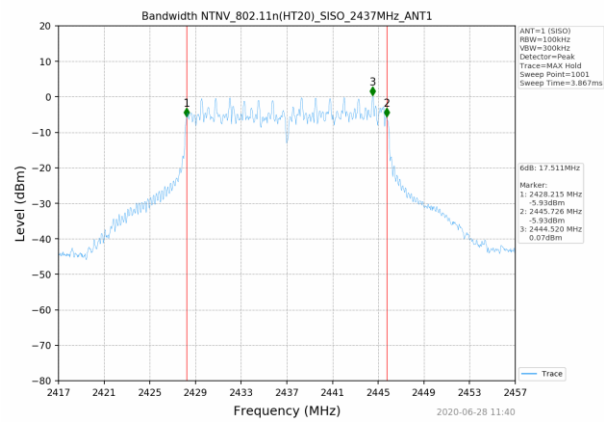
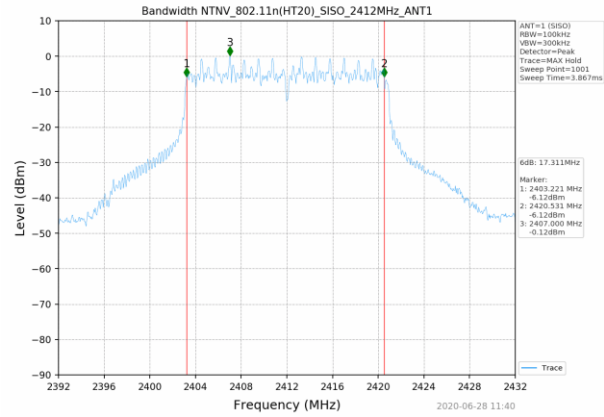
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.460	≥ 0.5	PASS
	2437	SISO	1	8.603	≥ 0.5	PASS
	2462	SISO	1	8.436	≥ 0.5	PASS
802.11g	2412	SISO	1	16.401	≥ 0.5	PASS
	2437	SISO	1	16.418	≥ 0.5	PASS
	2462	SISO	1	16.413	≥ 0.5	PASS
802.11n(HT20)	2412	SISO	1	17.311	≥ 0.5	PASS
	2437	SISO	1	17.511	≥ 0.5	PASS
	2462	SISO	1	17.317	≥ 0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.136	Only for Report Use
	2437	SISO	1	11.194	Only for Report Use
	2462	SISO	1	11.157	Only for Report Use
802.11g	2412	SISO	1	16.734	Only for Report Use
	2437	SISO	1	16.877	Only for Report Use
	2462	SISO	1	16.776	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.899	Only for Report Use
	2437	SISO	1	18.024	Only for Report Use
	2462	SISO	1	17.947	Only for Report Use

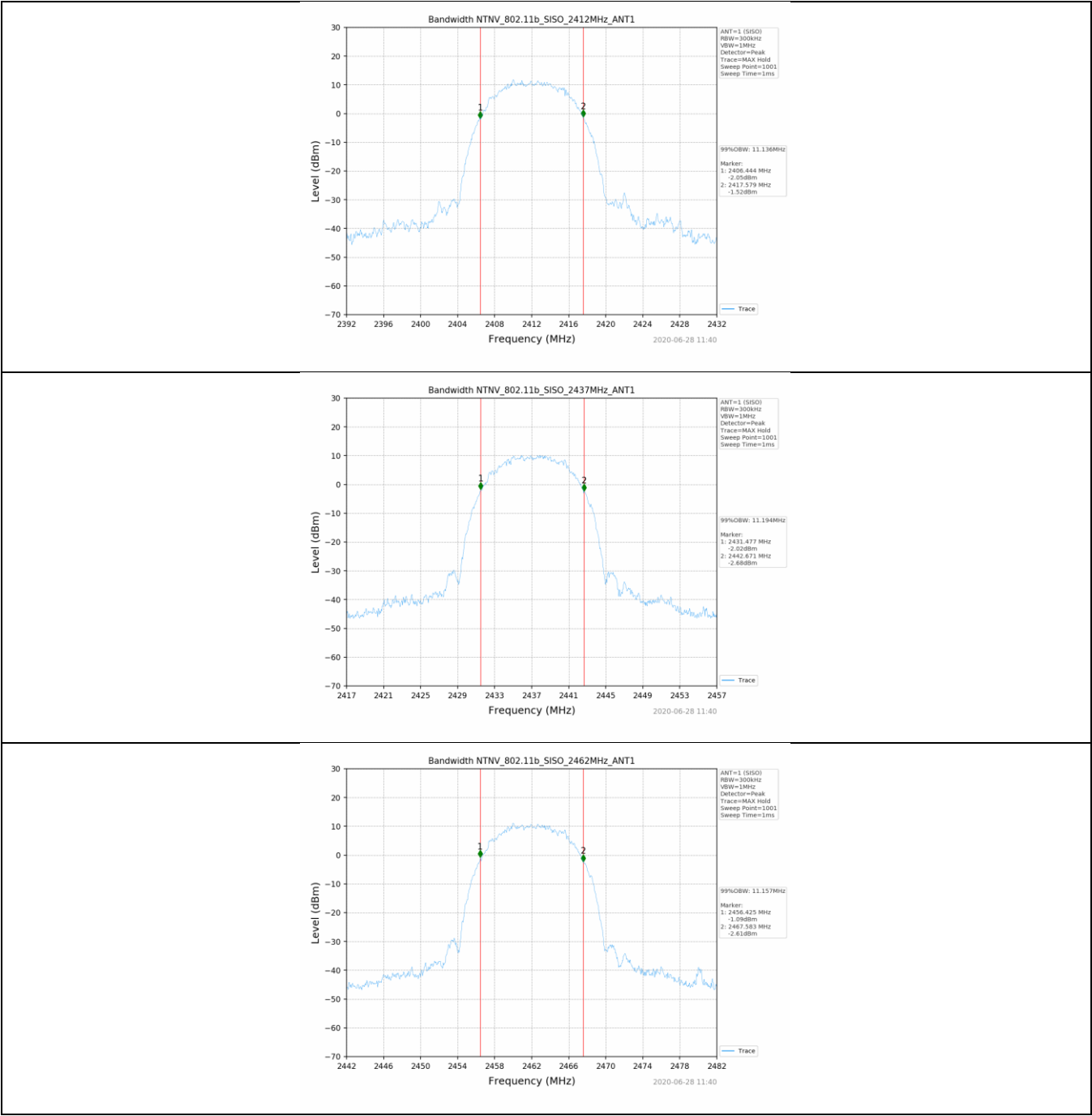
2.2 Test Graph - 6dB Bandwidth

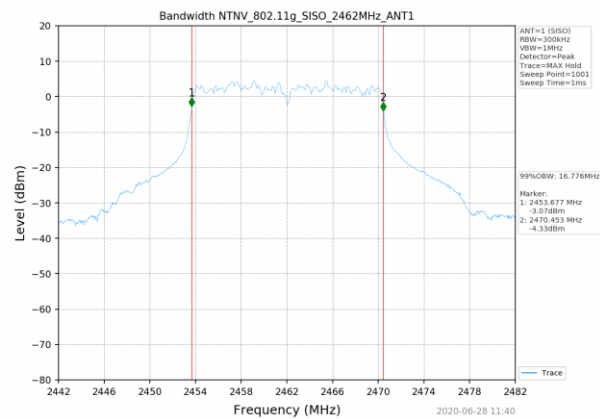
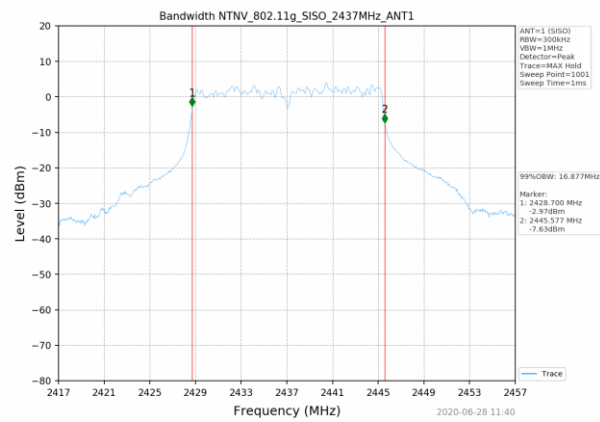
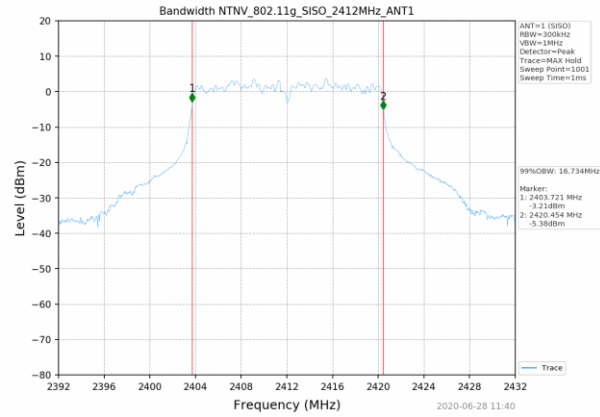


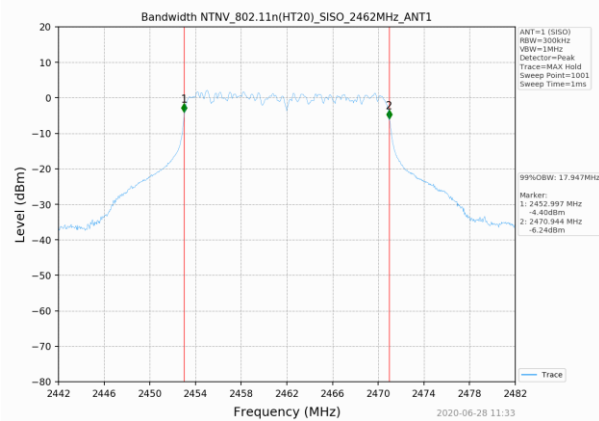
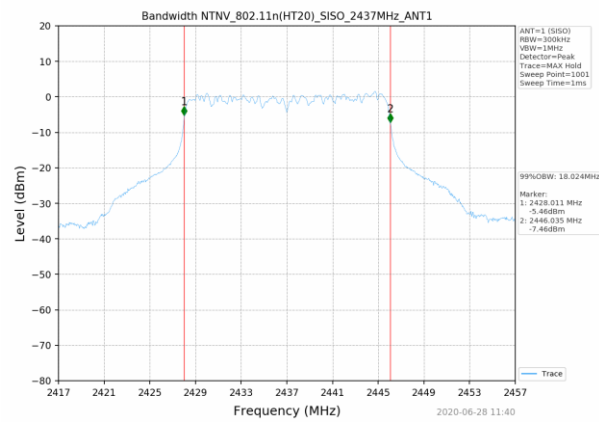
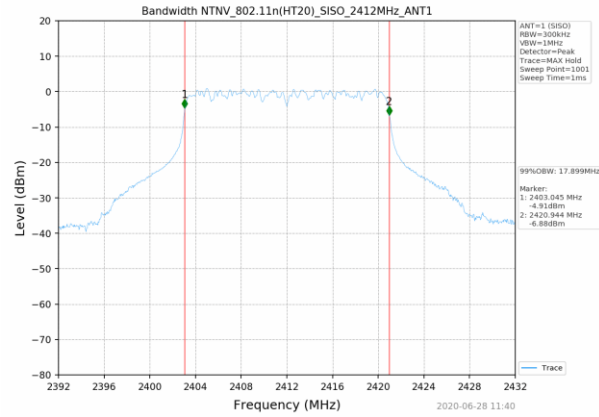




2.3 Test Graph - 99% Occupied Bandwidth





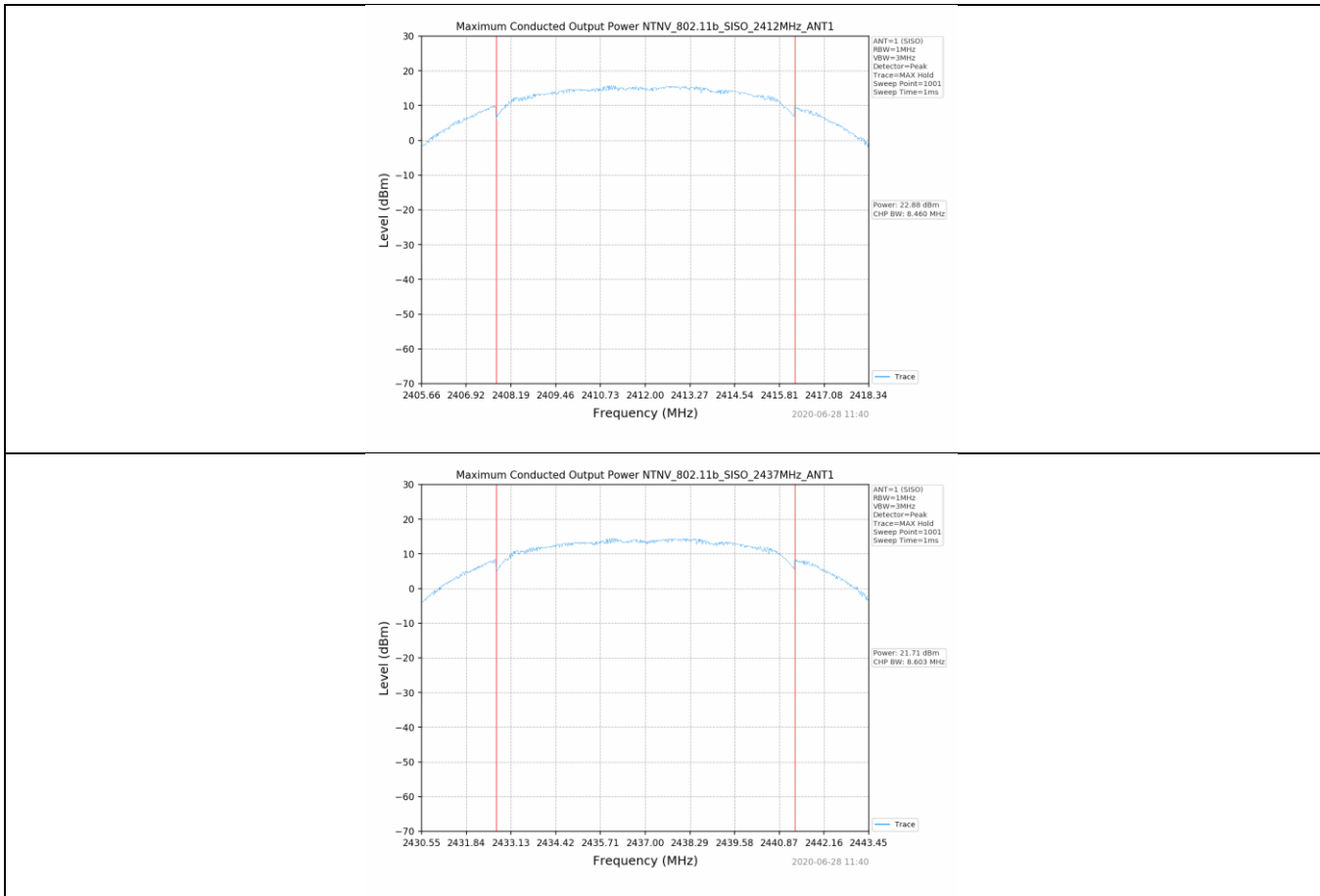


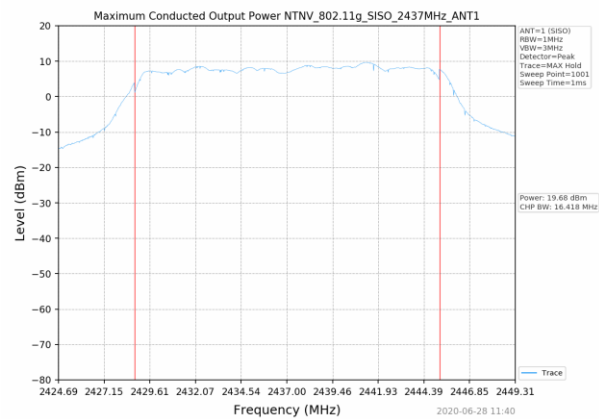
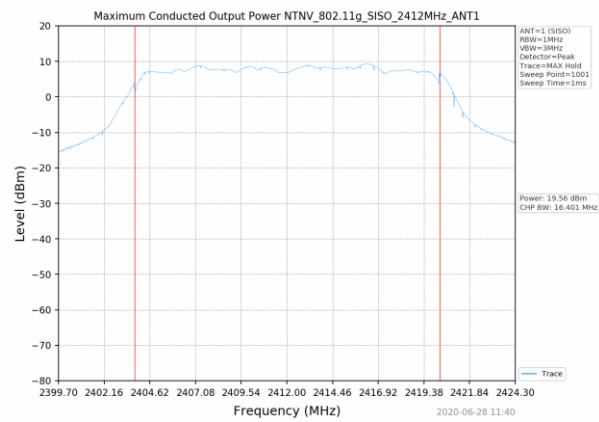
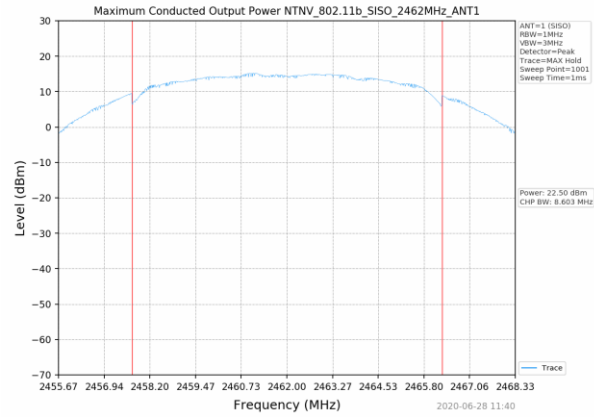
3. Maximum Conducted Output Power

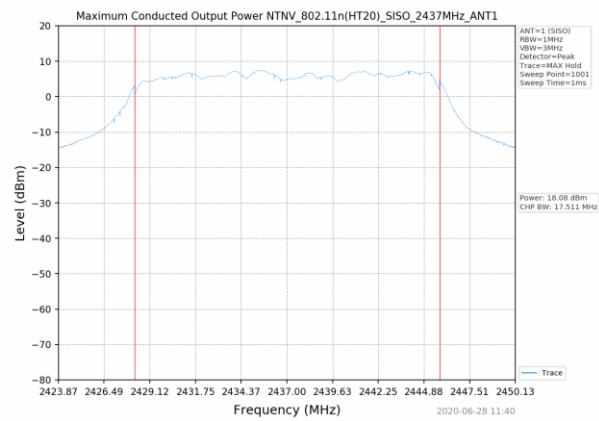
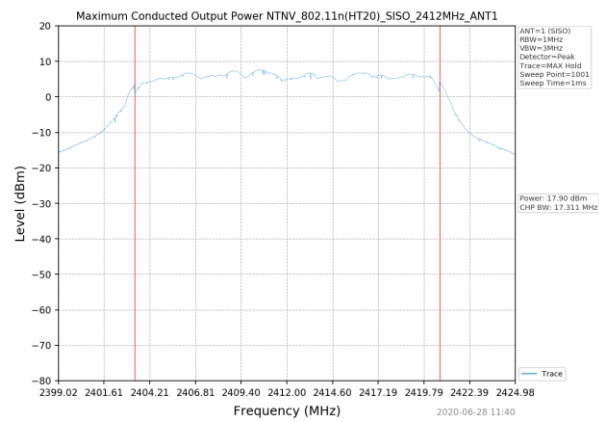
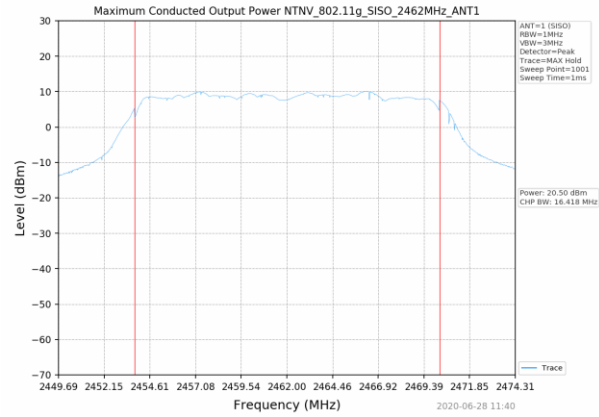
3.1 Test Result

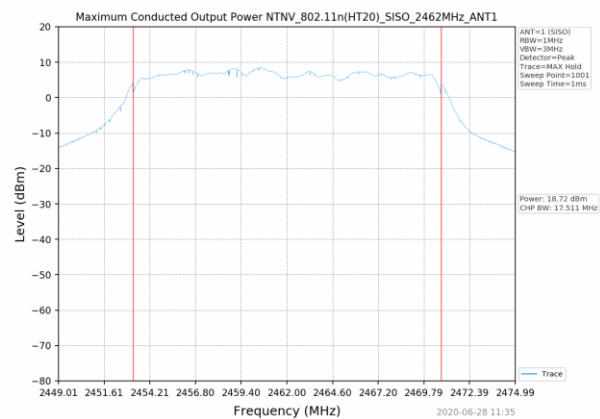
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	22.88	30	PASS
	2437	SISO	21.71	30	PASS
	2462	SISO	22.50	30	PASS
802.11g	2412	SISO	19.56	30	PASS
	2437	SISO	19.68	30	PASS
	2462	SISO	20.50	30	PASS
802.11n(HT20)	2412	SISO	17.90	30	PASS
	2437	SISO	18.08	30	PASS
	2462	SISO	18.72	30	PASS

3.2 Test Graph







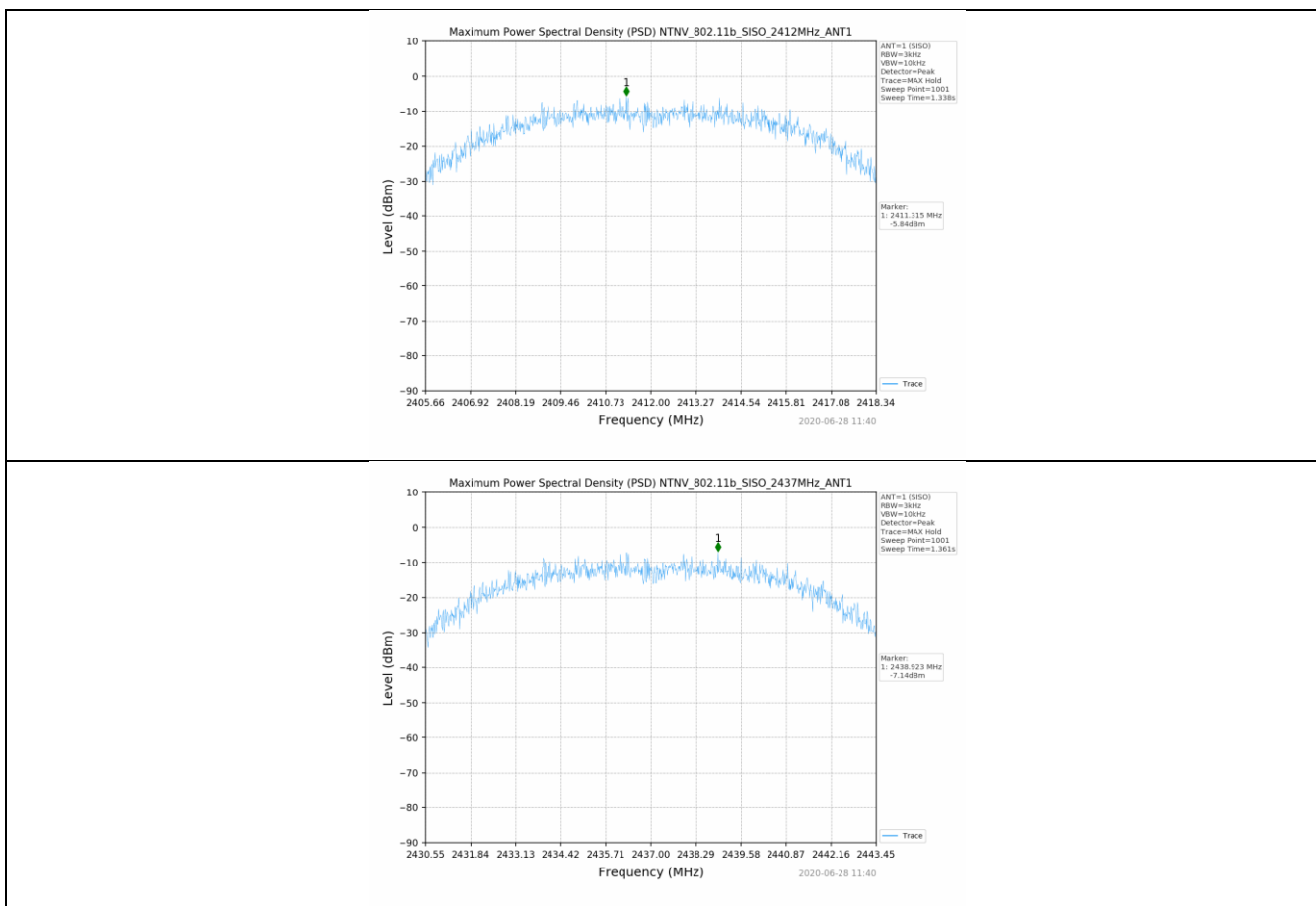


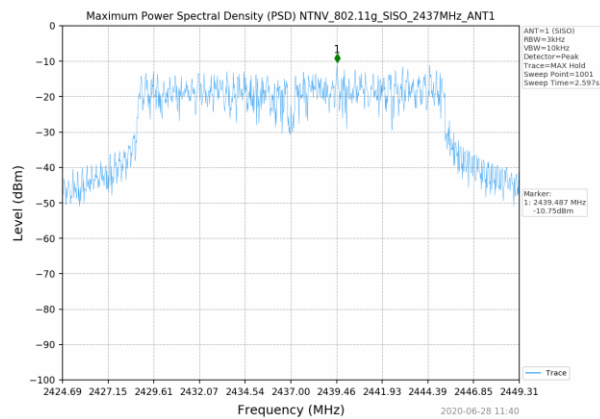
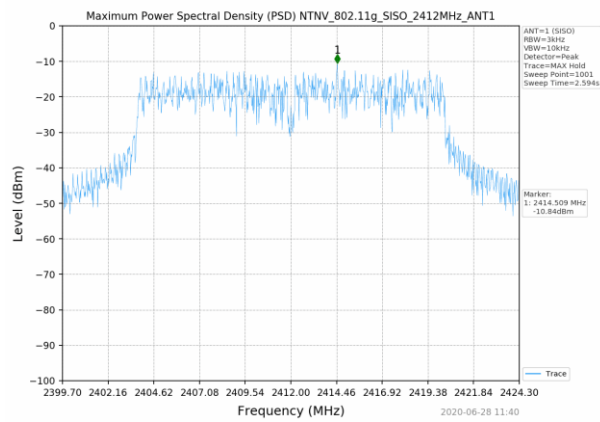
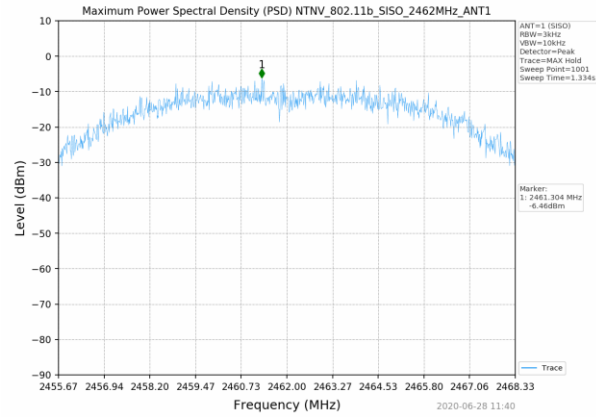
4. Maximum Power Spectral Density (PSD)

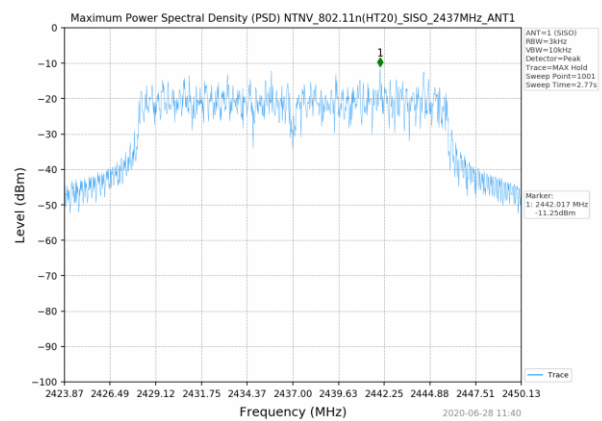
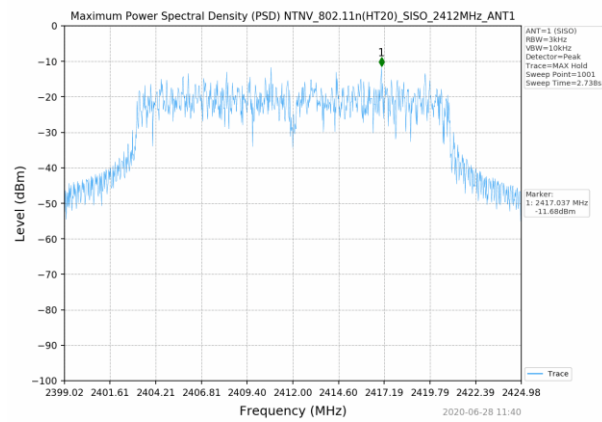
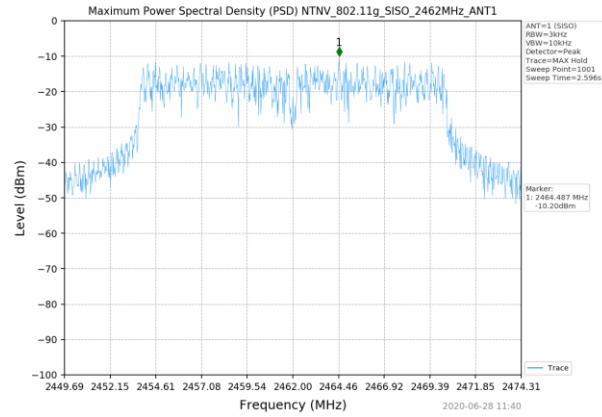
4.1 Test Result

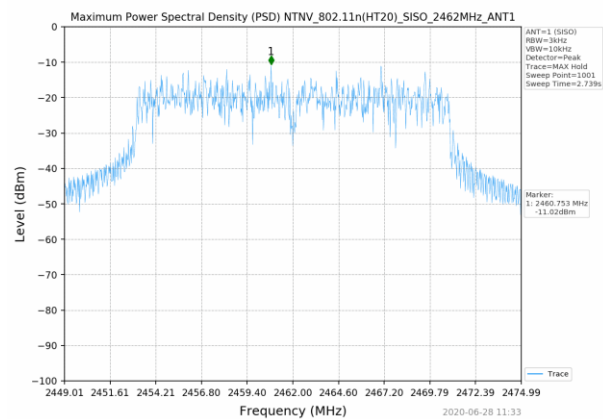
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-5.84	≤8	PASS
	2437	SISO	-7.14	≤8	PASS
	2462	SISO	-6.46	≤8	PASS
802.11g	2412	SISO	-10.84	≤8	PASS
	2437	SISO	-10.75	≤8	PASS
	2462	SISO	-10.20	≤8	PASS
802.11n(HT20)	2412	SISO	-11.68	≤8	PASS
	2437	SISO	-11.25	≤8	PASS
	2462	SISO	-11.02	≤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	-11.84	PASS
	2437	SISO	1	Refer to test graph	-11.84	PASS
	2462	SISO	1	Refer to test graph	-11.84	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.44	PASS
	2437	SISO	1	Refer to test graph	-17.44	PASS
	2462	SISO	1	Refer to test graph	-17.44	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-19.11	PASS
	2437	SISO	1	Refer to test graph	-19.11	PASS
	2462	SISO	1	Refer to test graph	-19.11	PASS

5.2 Test Graph

