

Appendix: Test Data for 2.4G WIFI

Product Name: TD0301 LTE Wi-Fi Hotspot

Test Model: TD0301

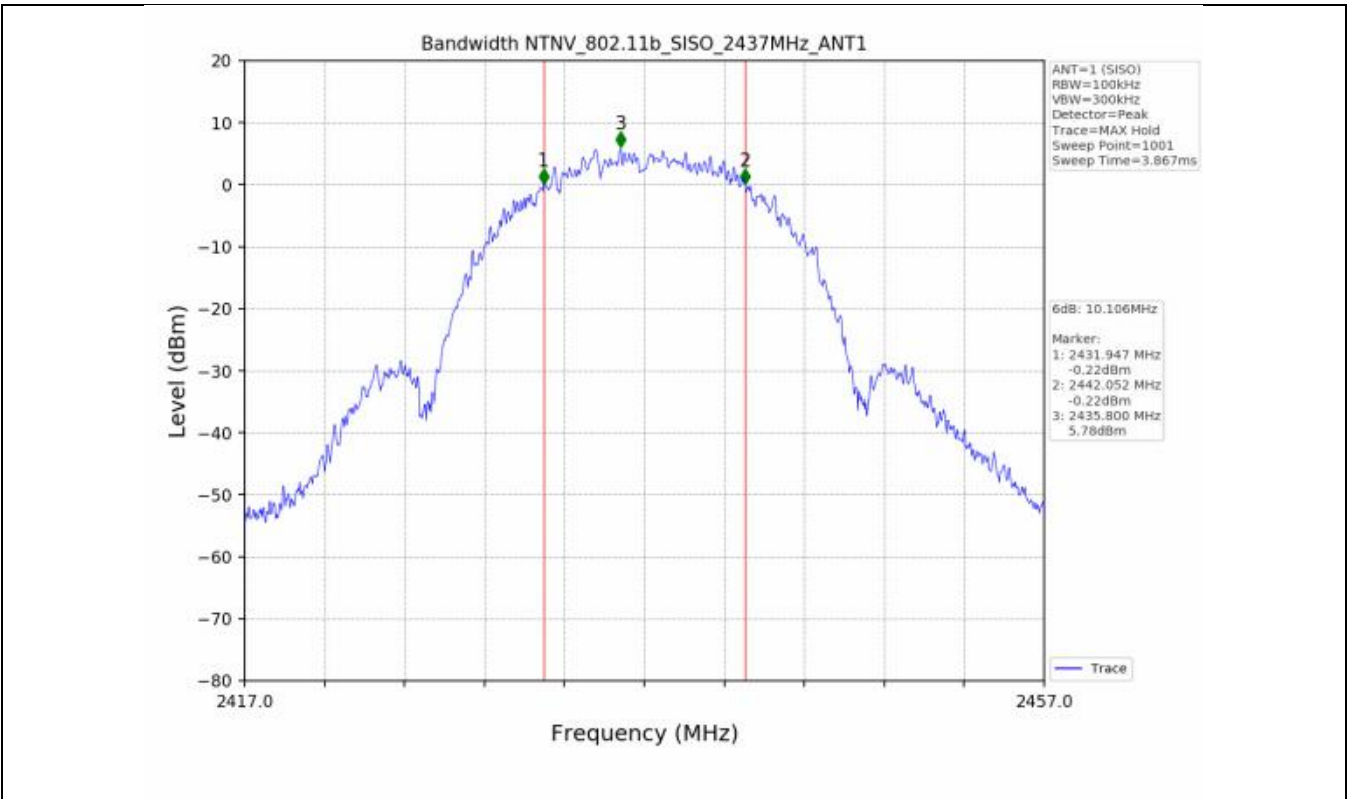
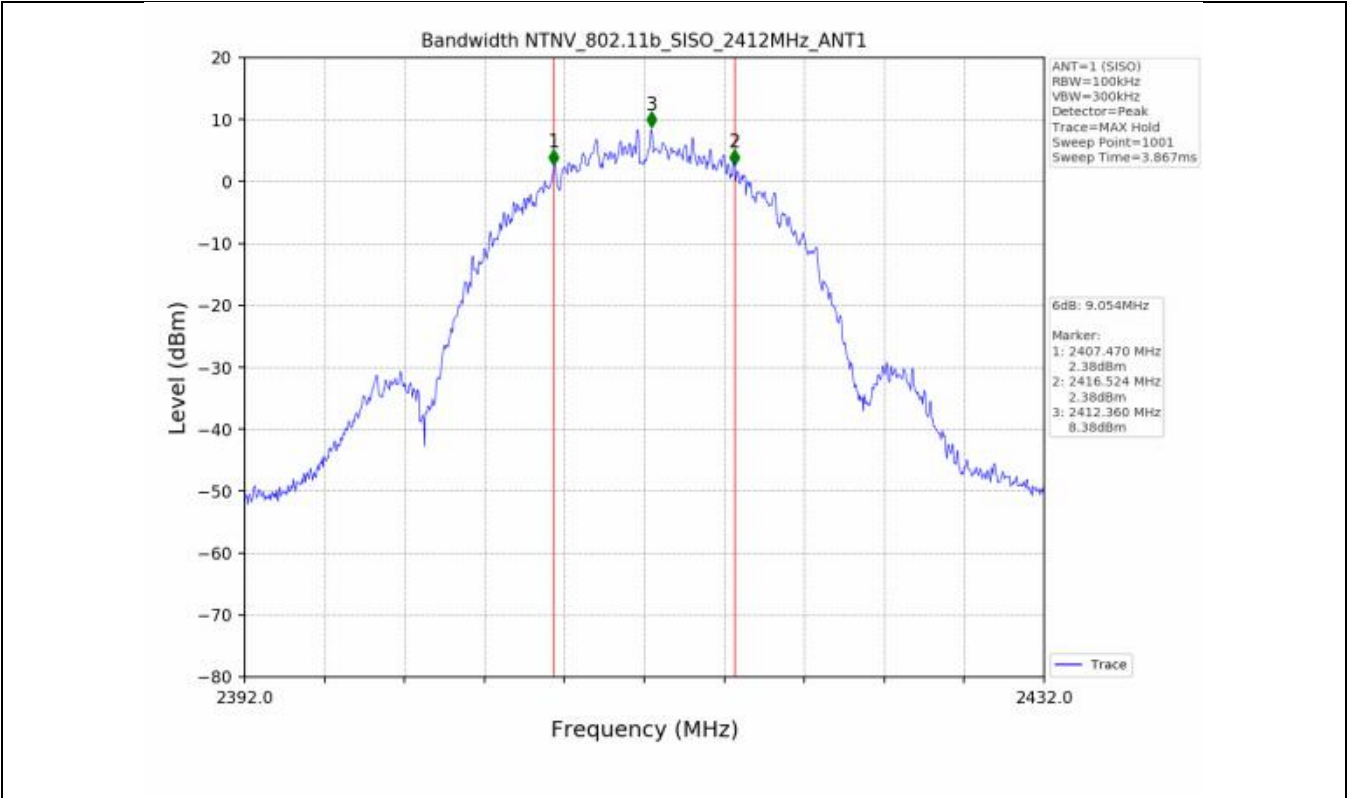
1. Bandwidth

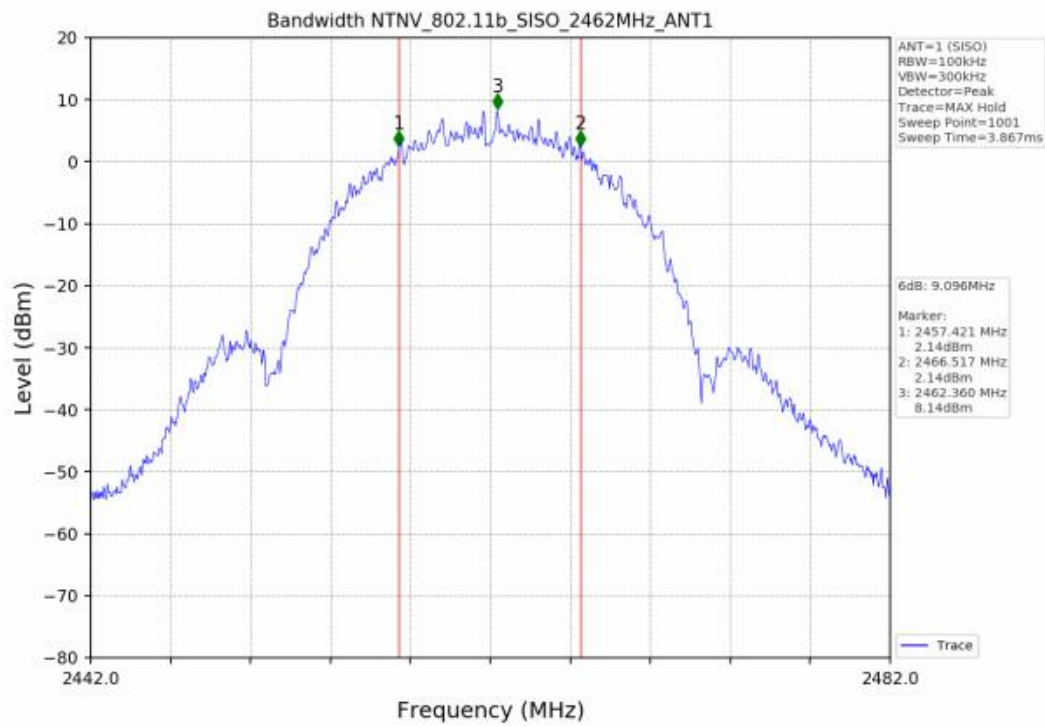
1.1 Test Result

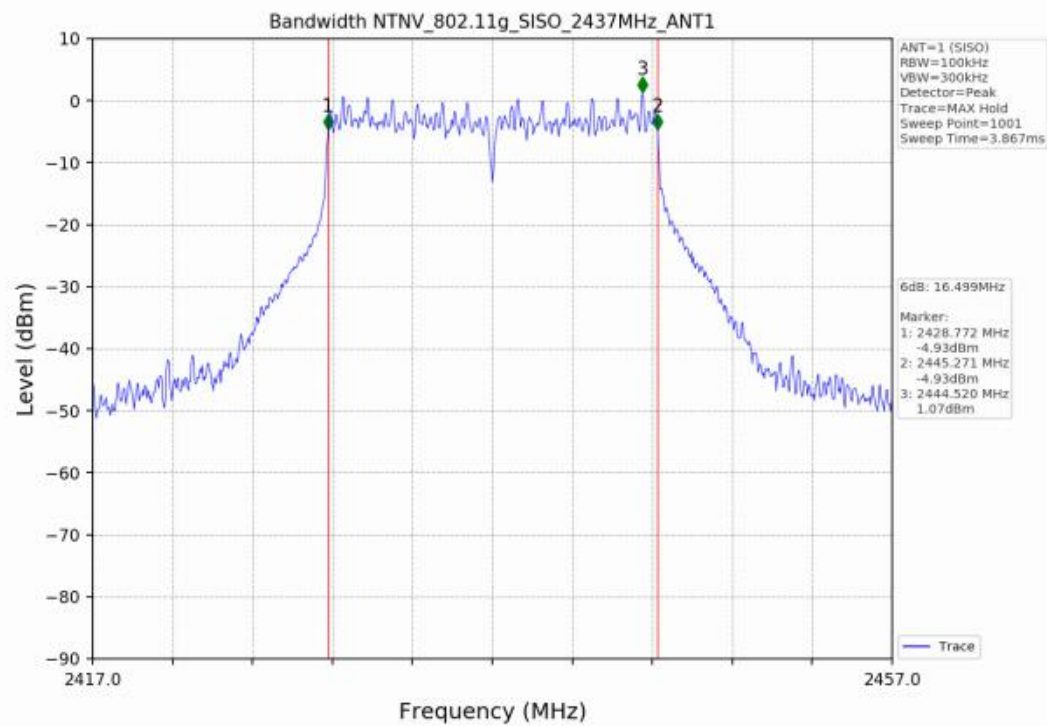
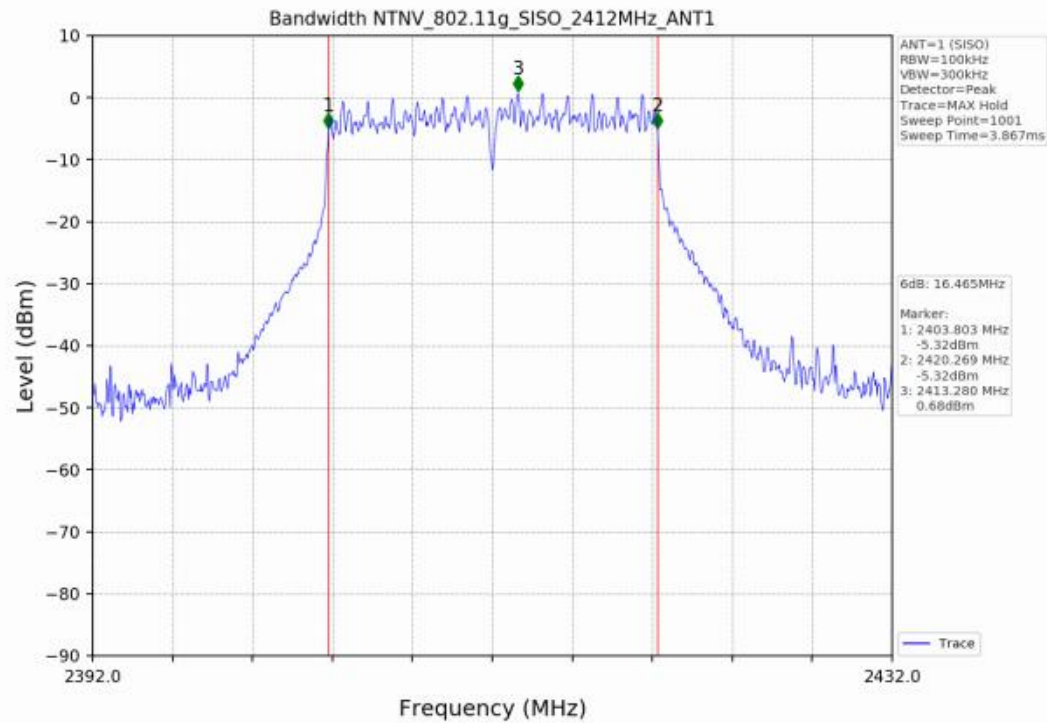
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.054	≥0.5	PASS
	2437	SISO	1	10.106	≥0.5	PASS
	2462	SISO	1	9.096	≥0.5	PASS
802.11g	2412	SISO	1	16.465	≥0.5	PASS
	2437	SISO	1	16.499	≥0.5	PASS
	2462	SISO	1	16.490	≥0.5	PASS
802.11n(HT20)	2412	MIMO	1	17.714	≥0.5	PASS
	2437	MIMO	1	17.718	≥0.5	PASS
	2462	MIMO	1	17.745	≥0.5	PASS
802.11n(HT40)	2422	MIMO	1	35.785	≥0.5	PASS
	2437	MIMO	1	35.735	≥0.5	PASS
	2452	MIMO	1	36.059	≥0.5	PASS

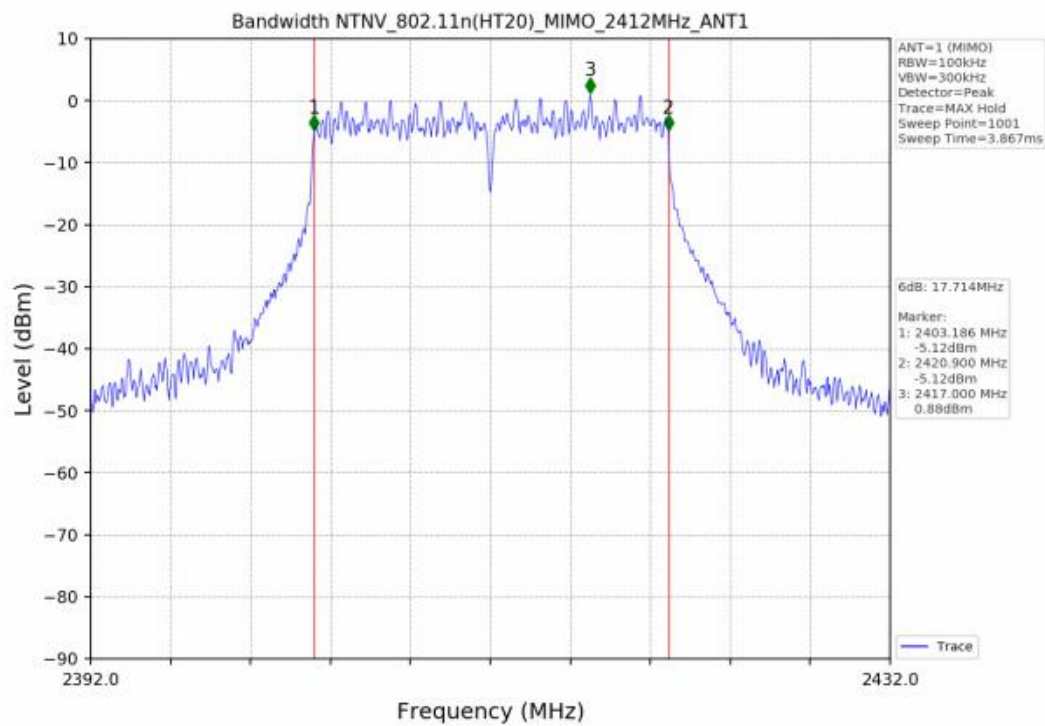
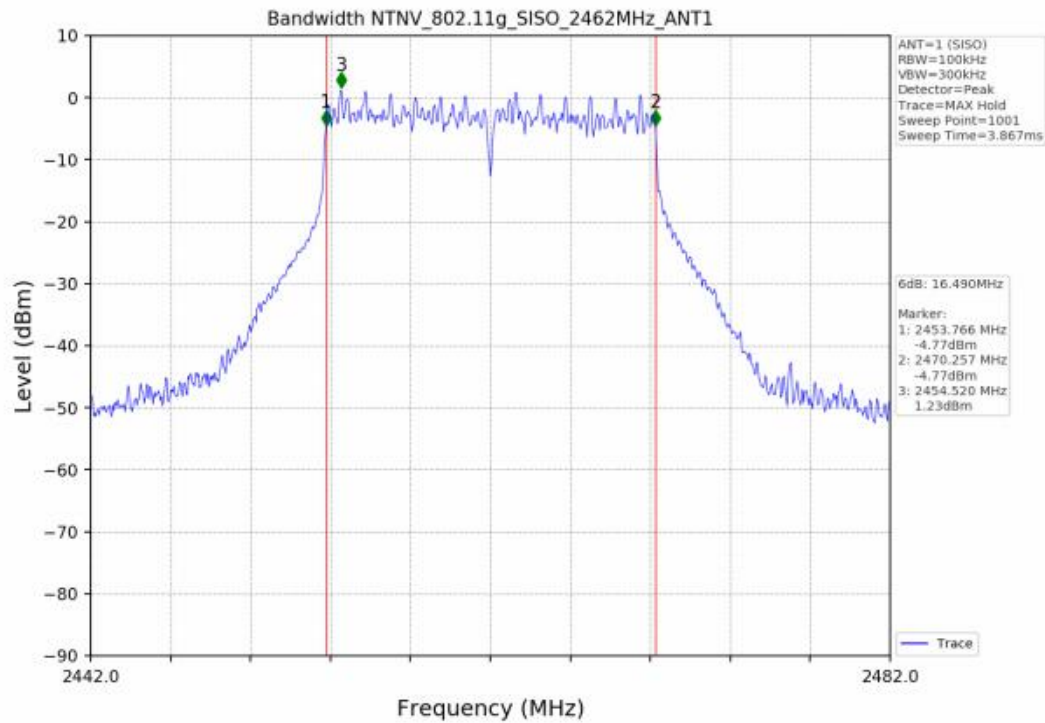
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.724	Only for Report Use
	2437	SISO	1	15.248	Only for Report Use
	2462	SISO	1	15.028	Only for Report Use
802.11g	2412	SISO	1	16.728	Only for Report Use
	2437	SISO	1	16.884	Only for Report Use
	2462	SISO	1	16.758	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.945	Only for Report Use
	2437	MIMO	1	17.953	Only for Report Use
	2462	MIMO	1	17.964	Only for Report Use
802.11n(HT40)	2422	MIMO	1	36.697	Only for Report Use
	2437	MIMO	1	36.685	Only for Report Use
	2452	MIMO	1	36.608	Only for Report Use

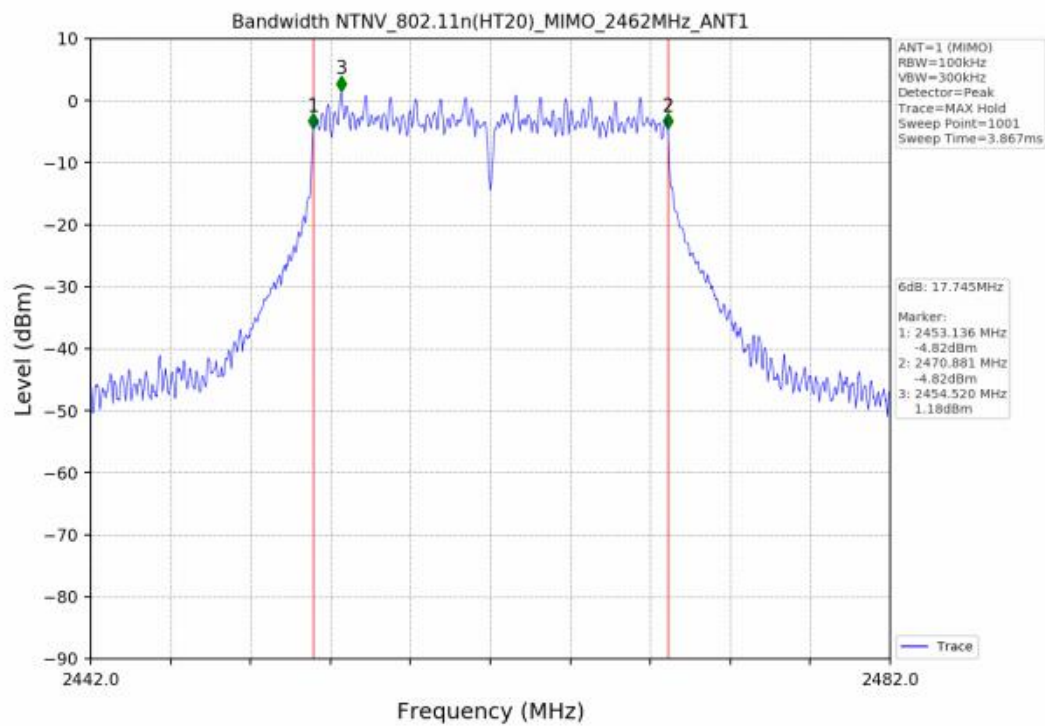
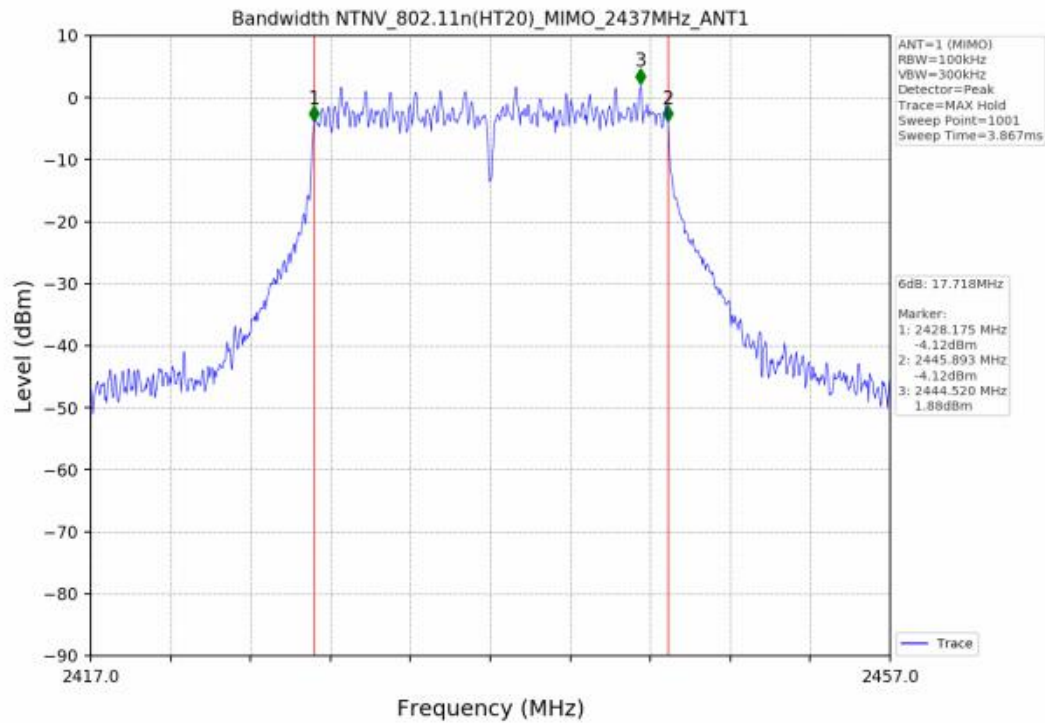
1.2 Test Graph - 6dB Bandwidth

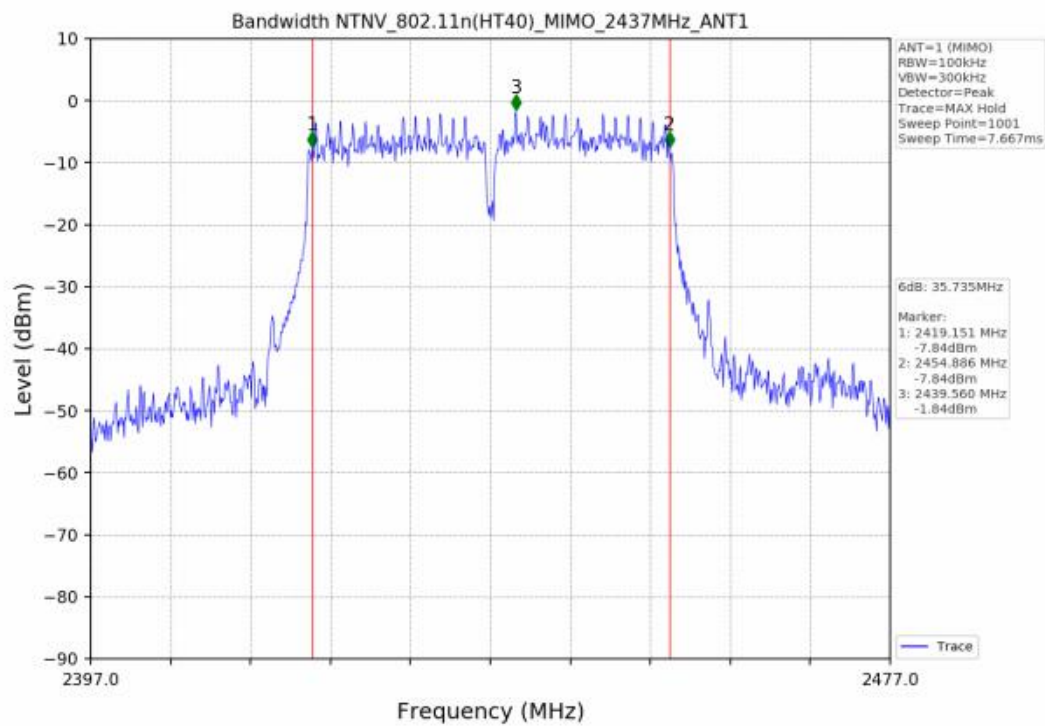
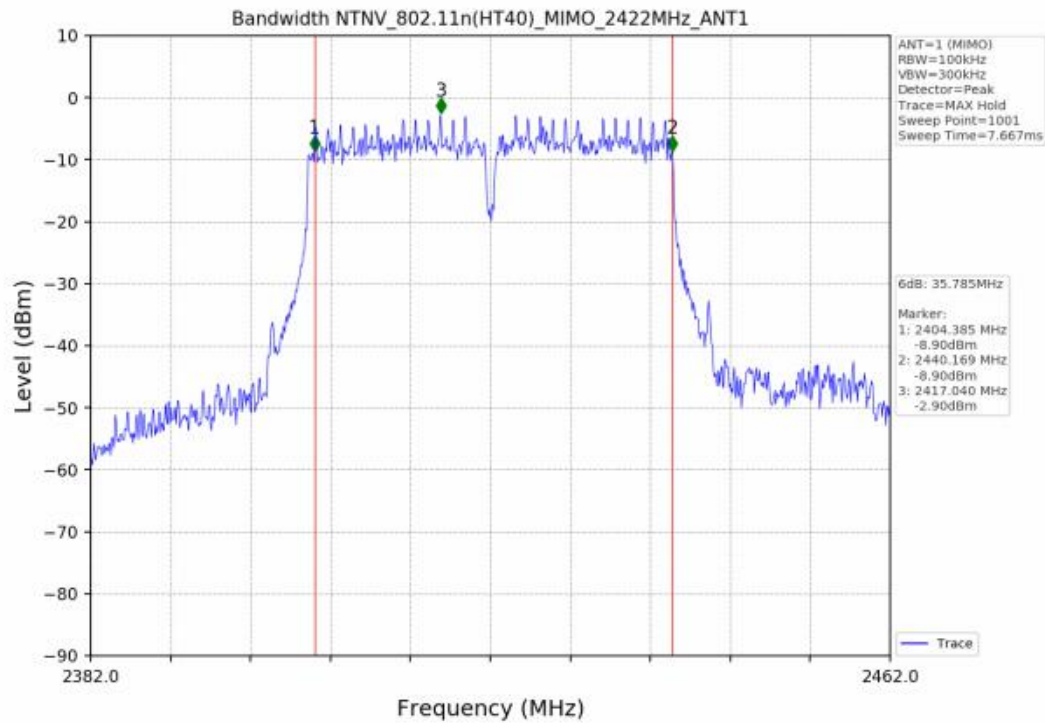


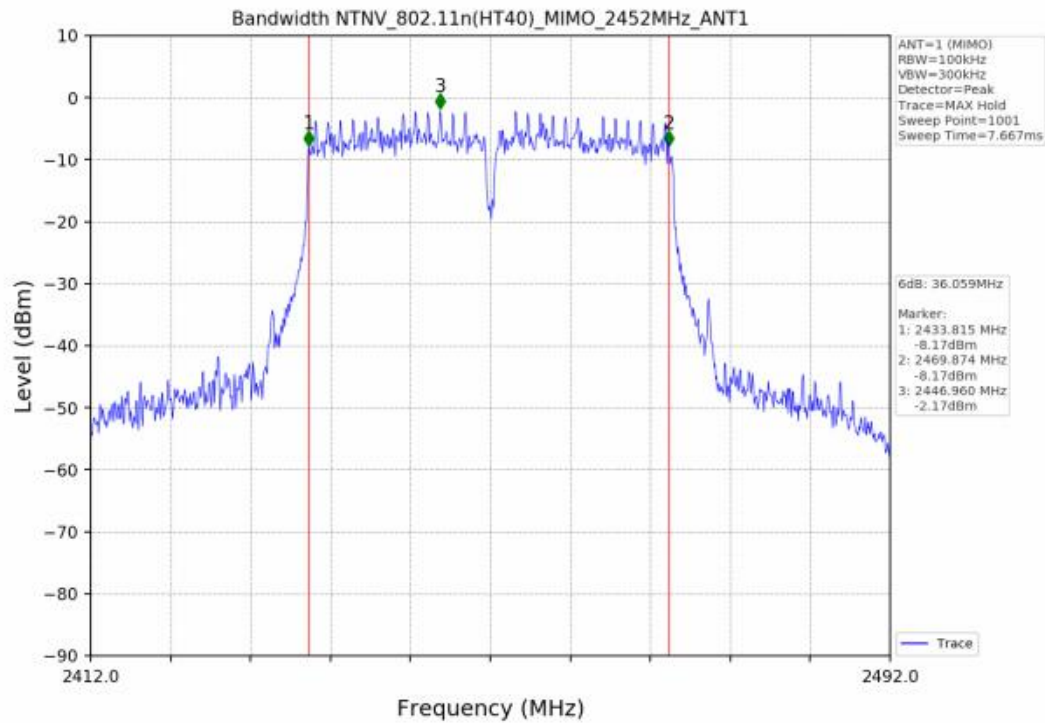




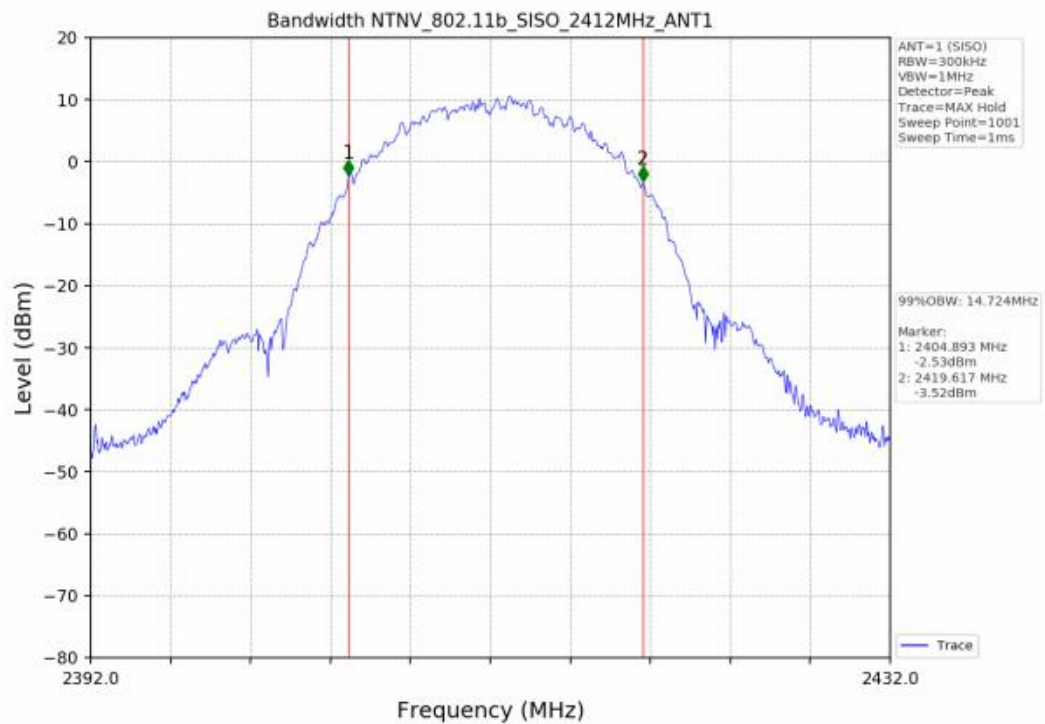


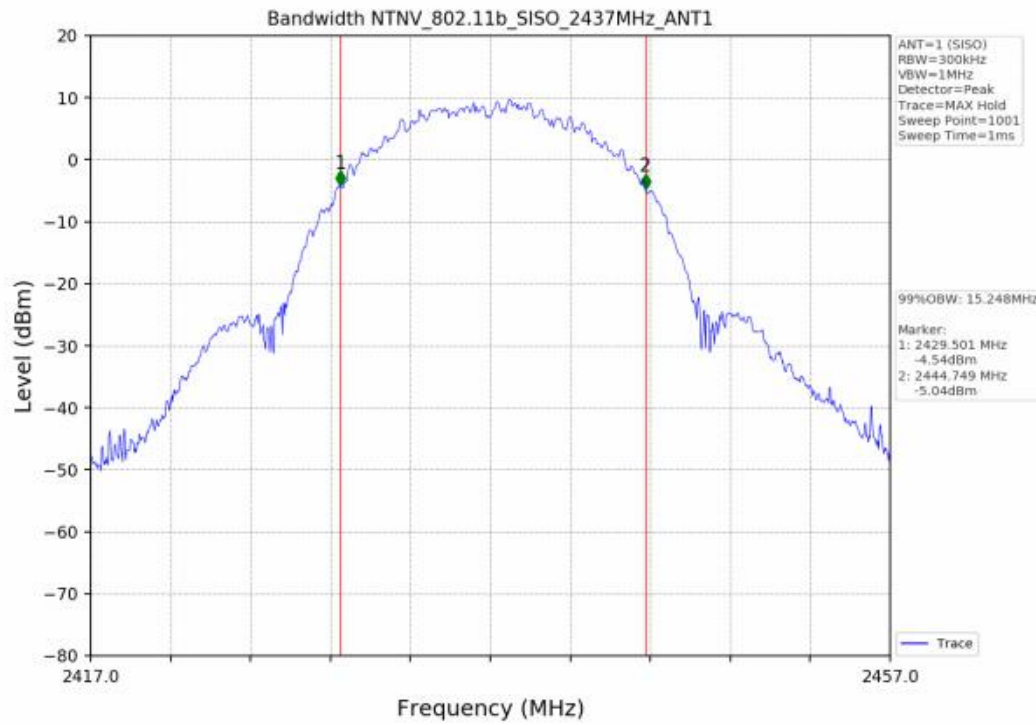


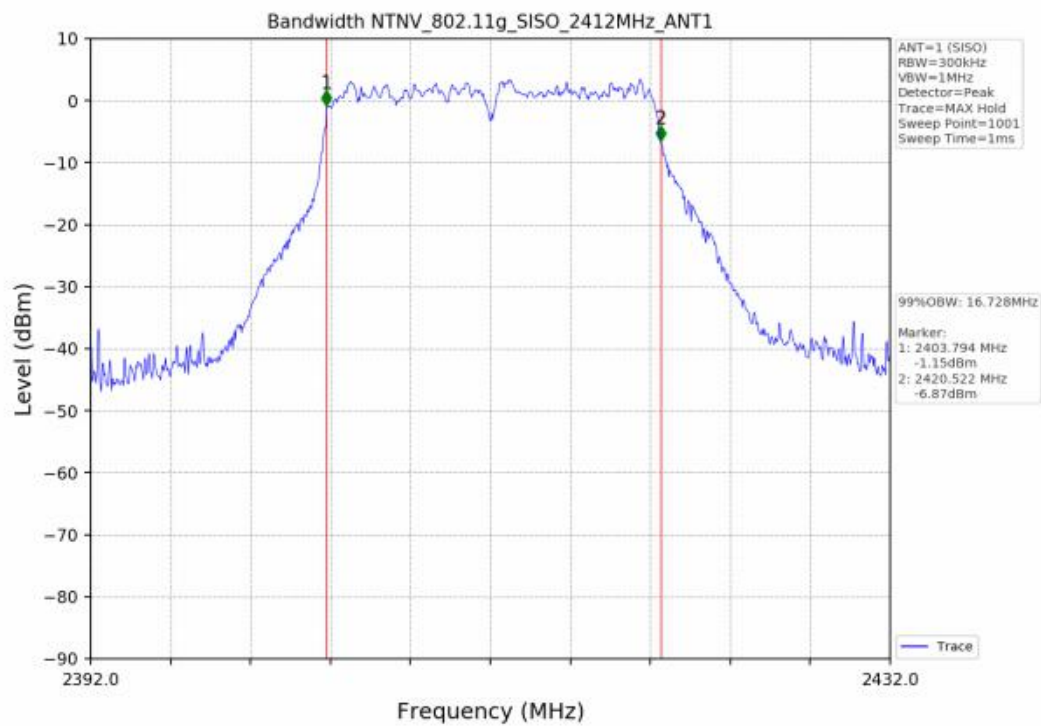
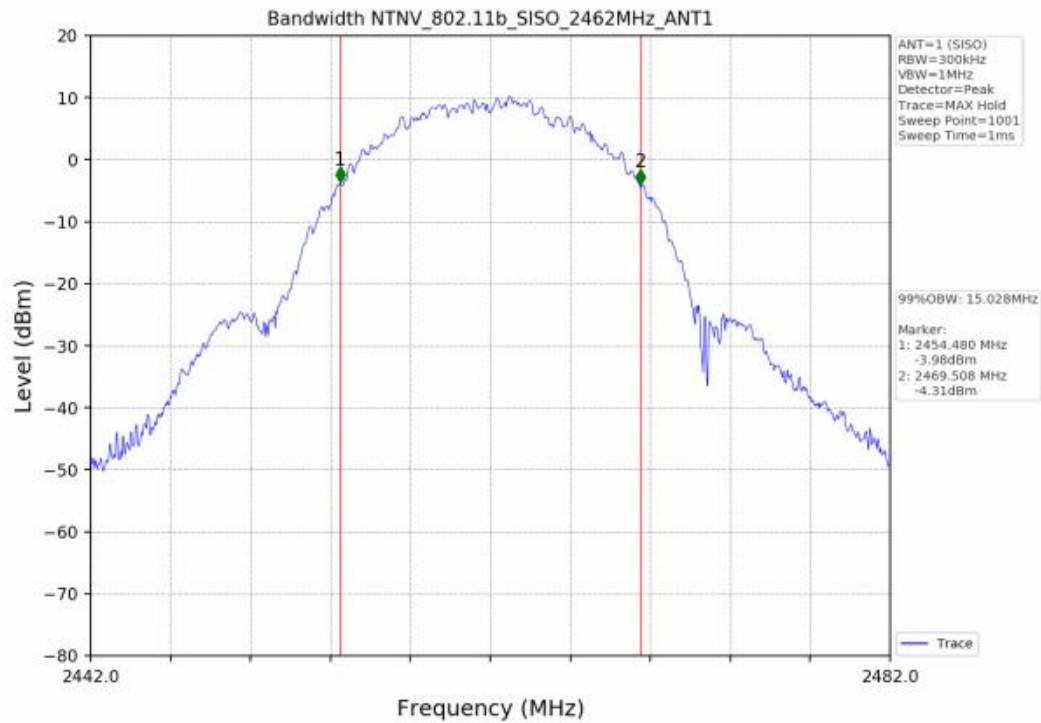


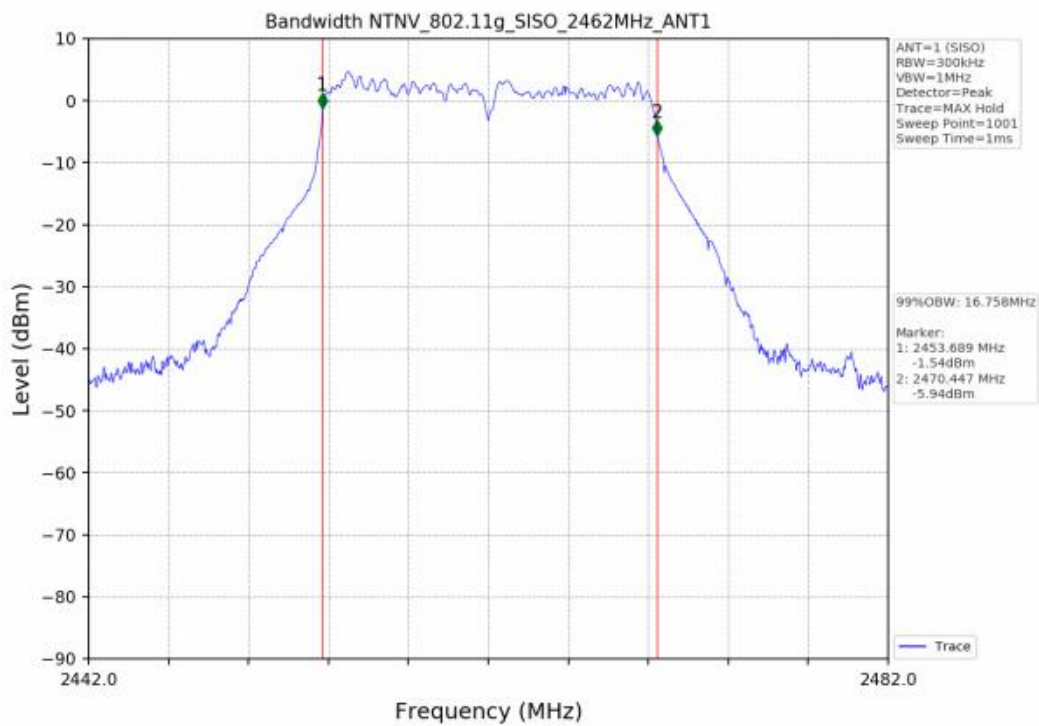
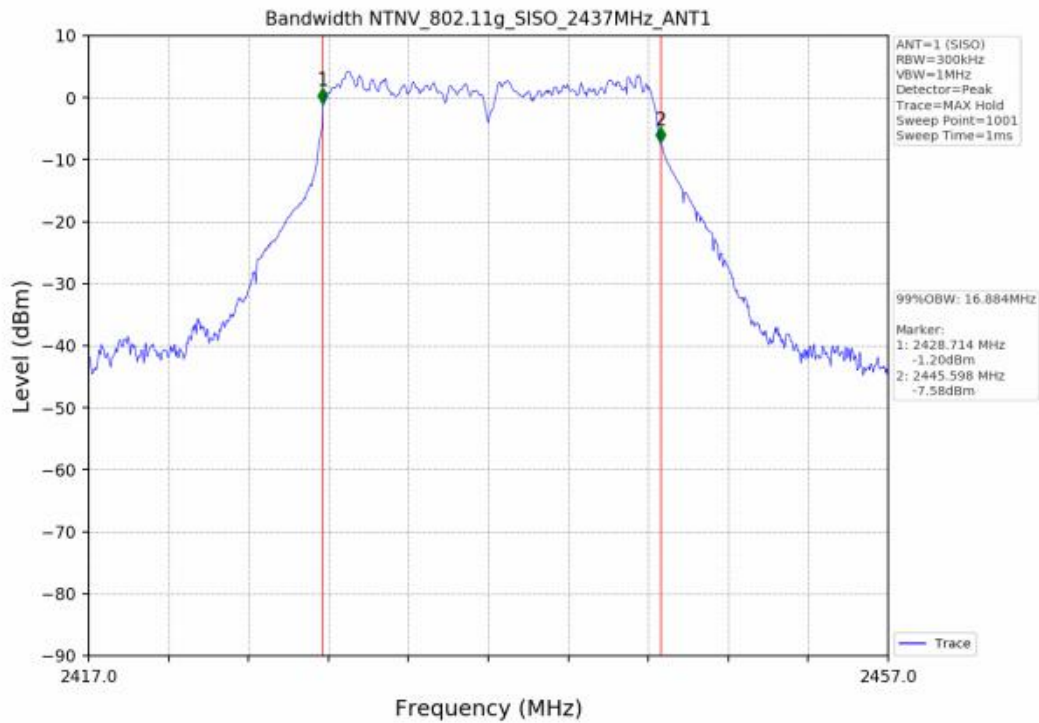


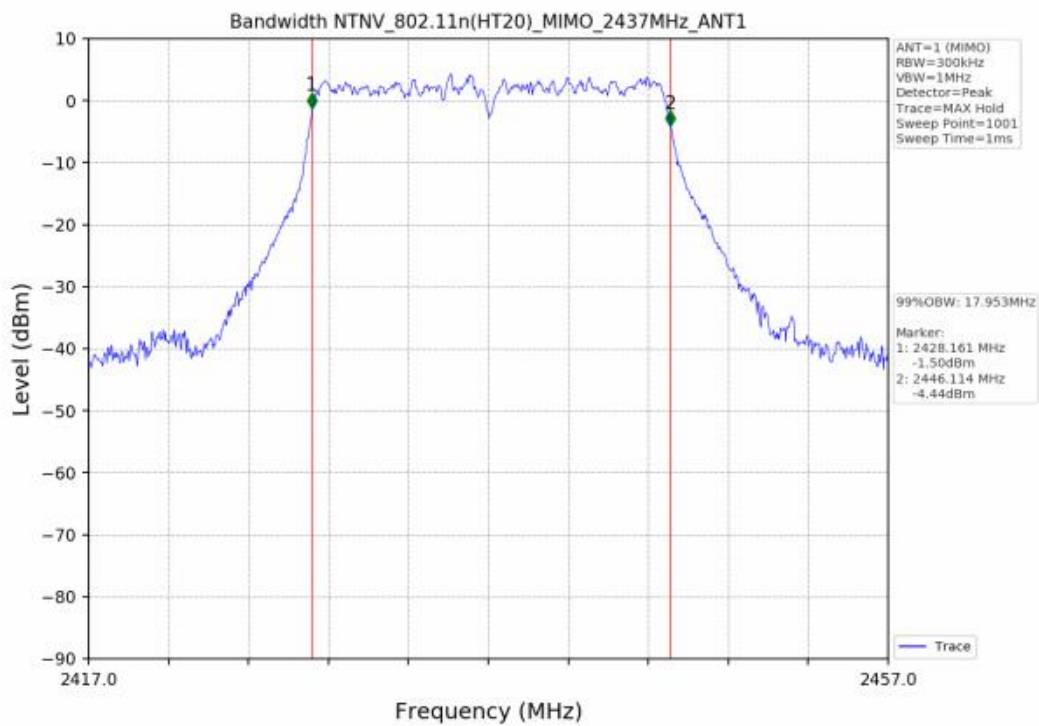
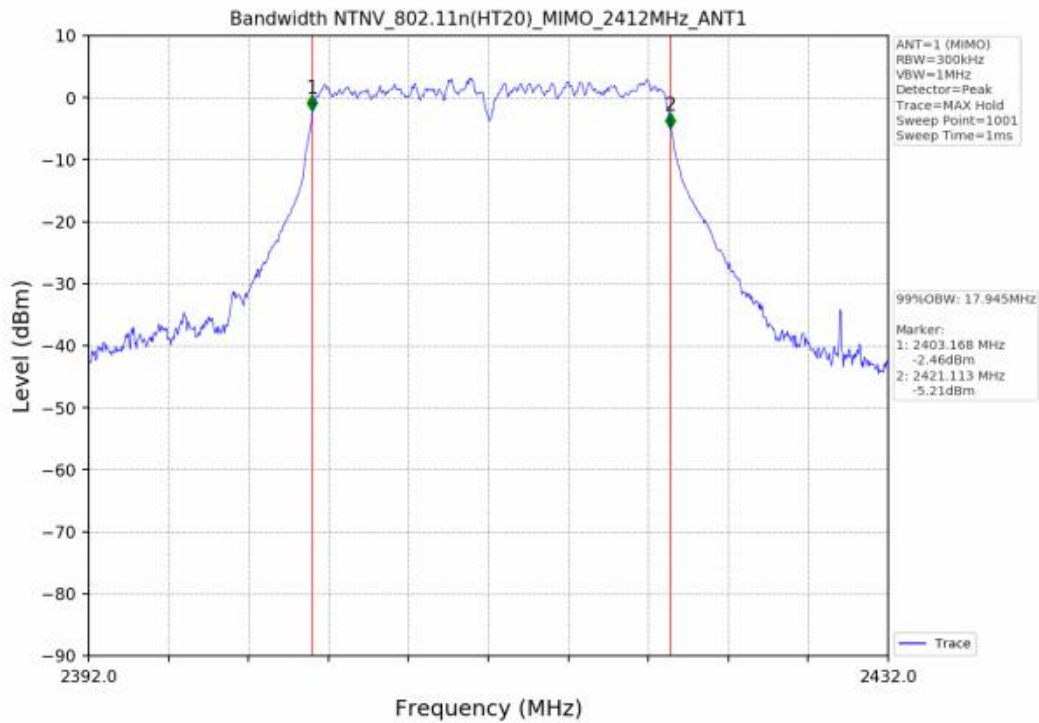
1.3 Test Graph - 99% Occupied Bandwidth

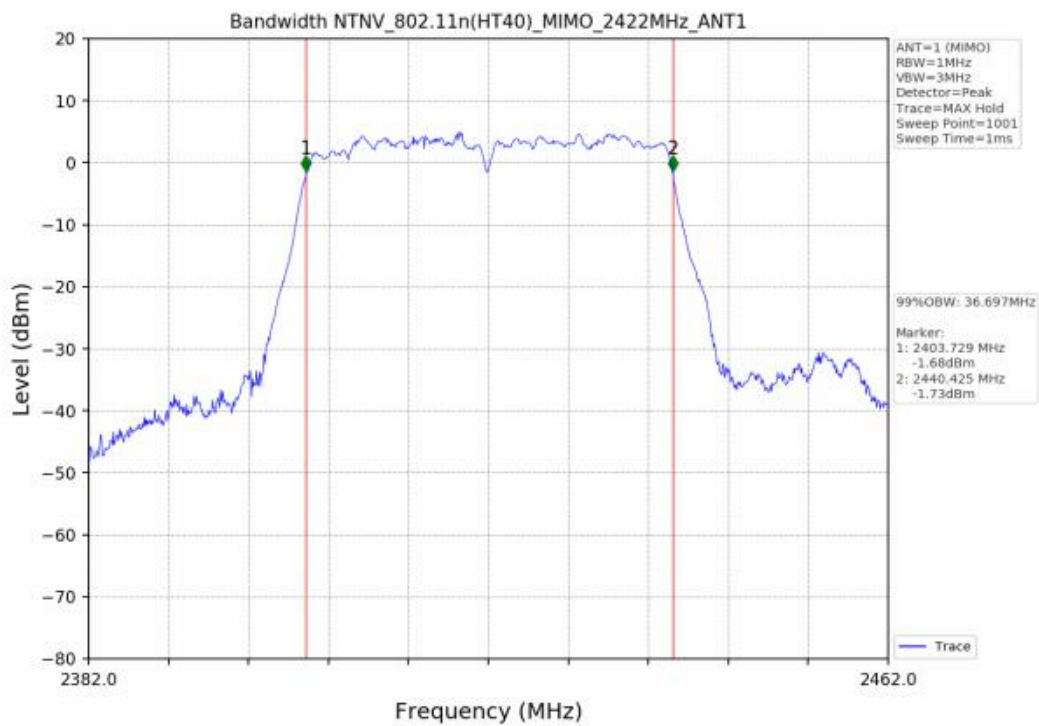
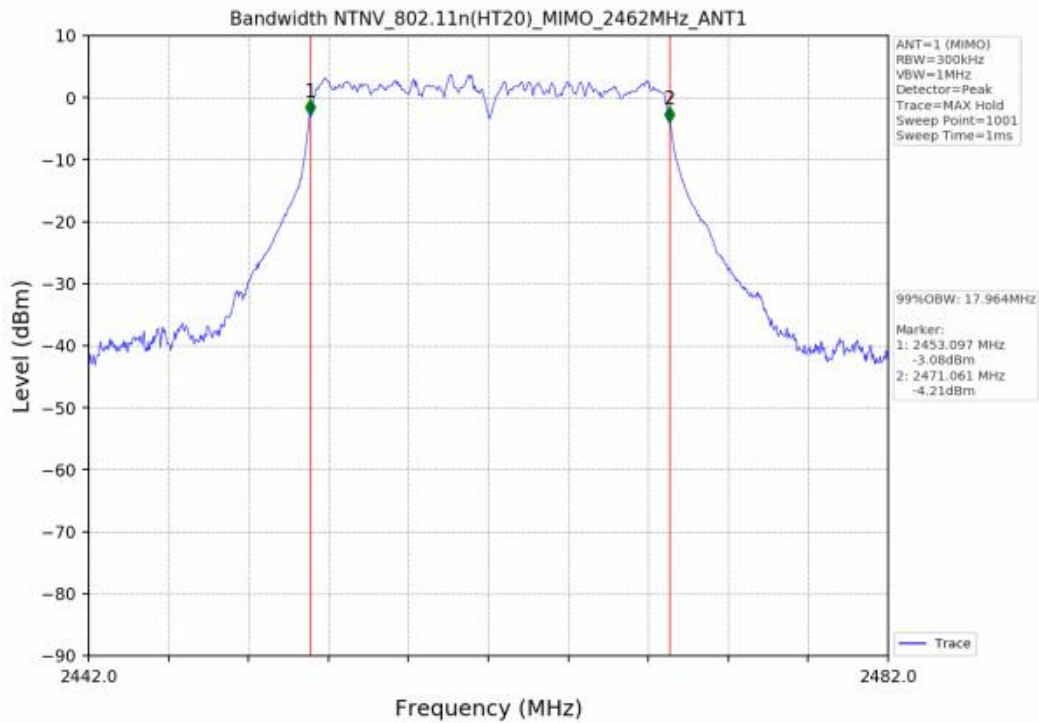


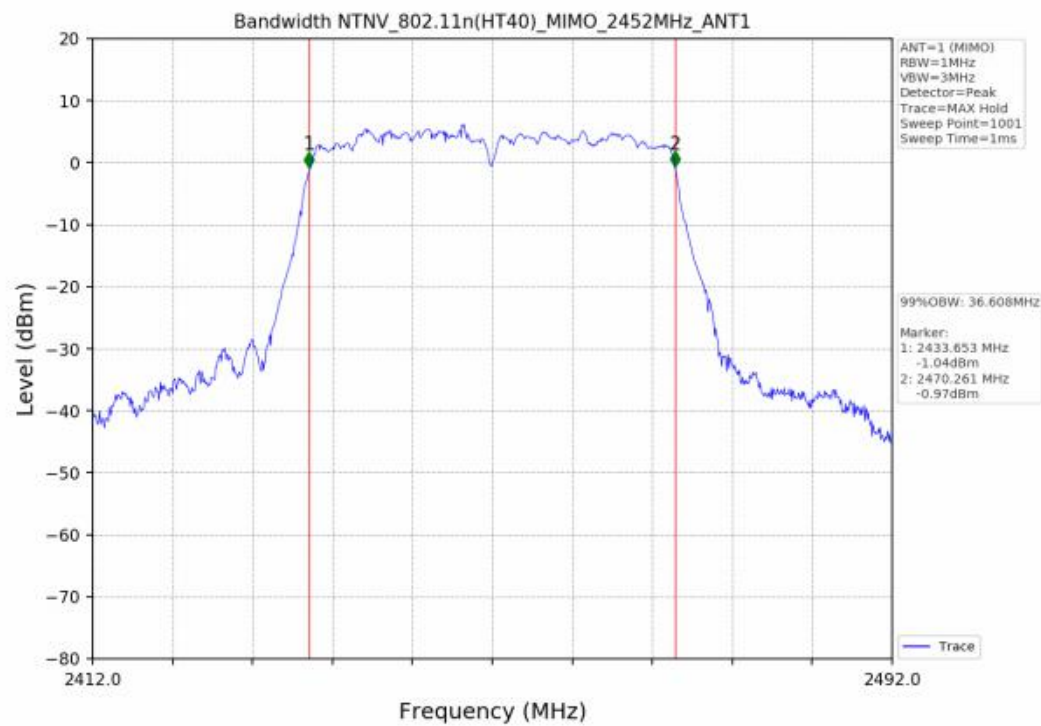
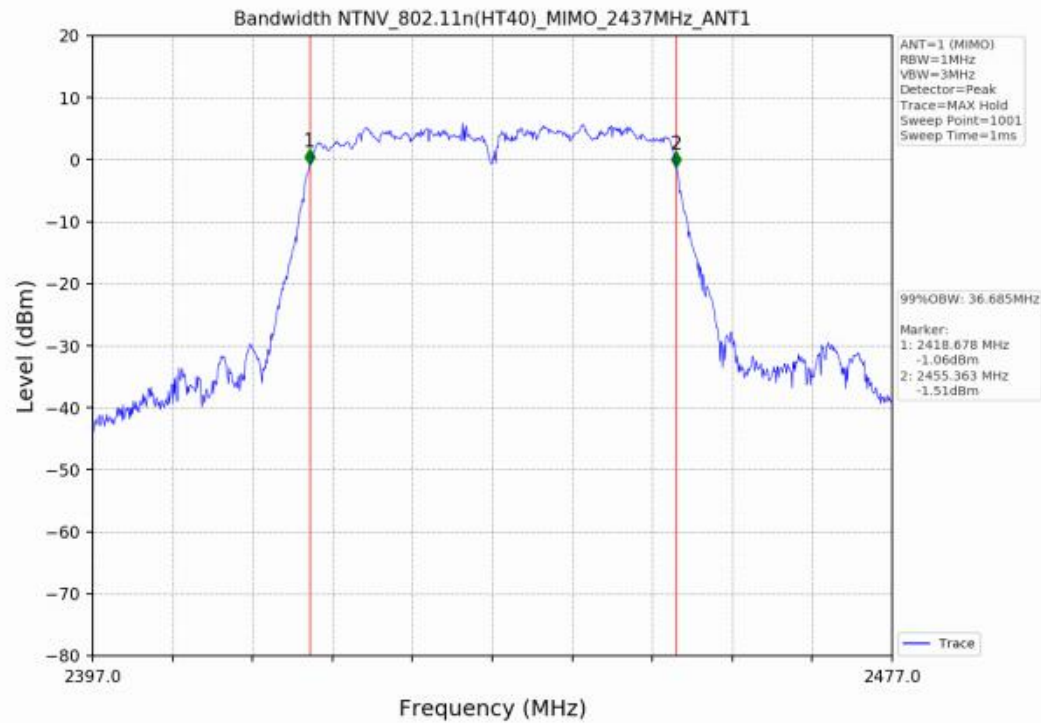










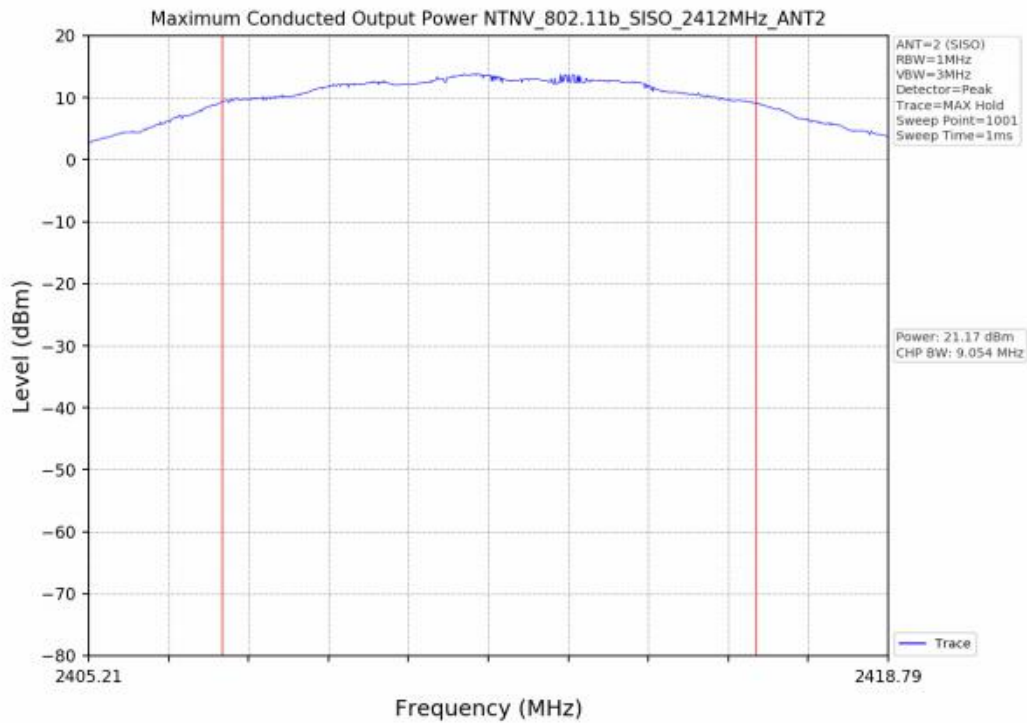
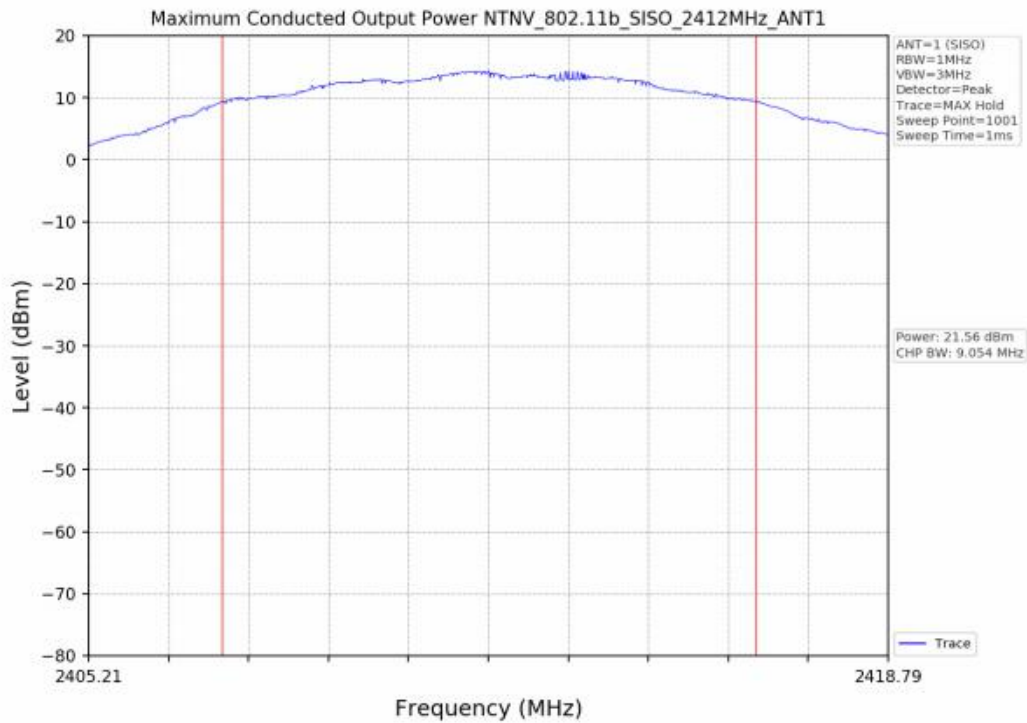


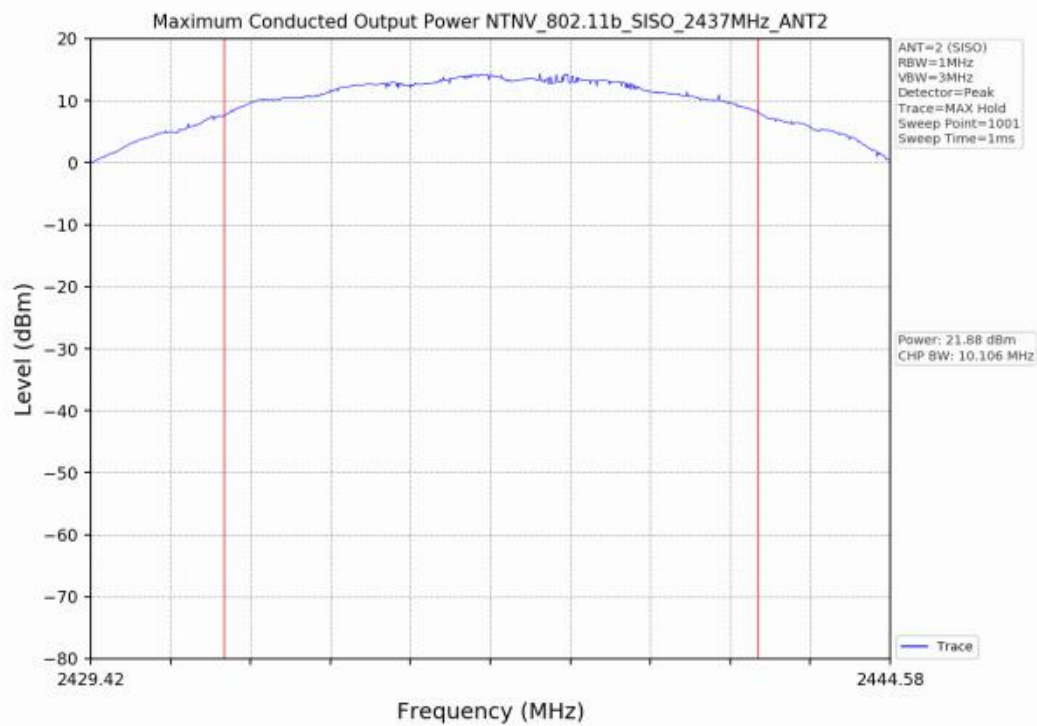
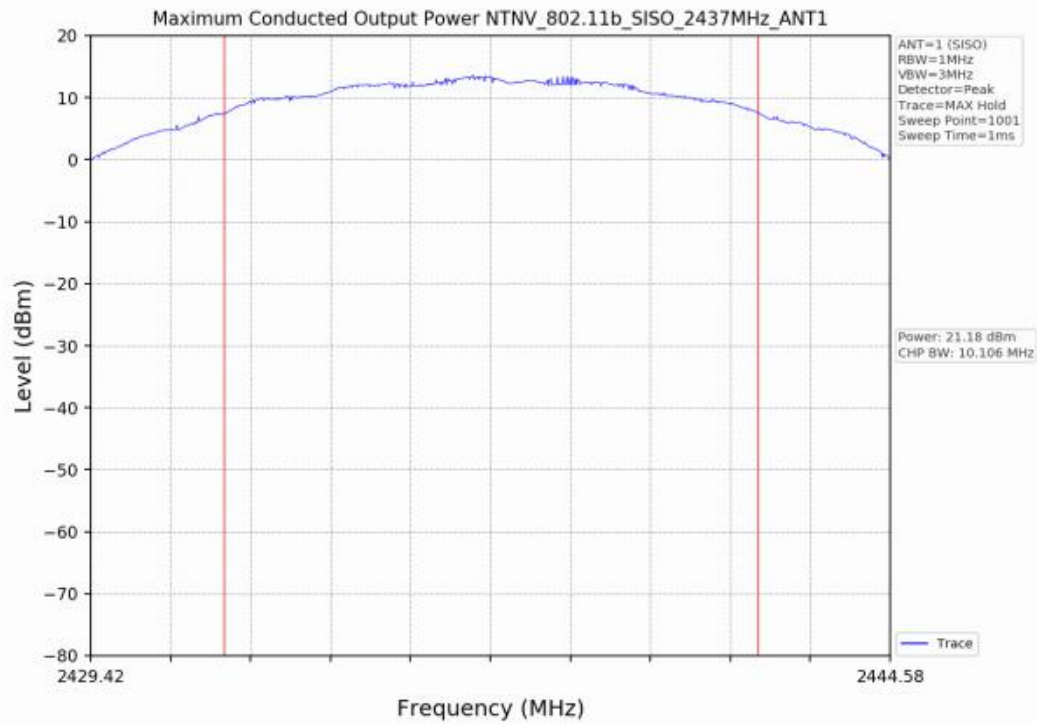
2. Maximum Conducted Output Power

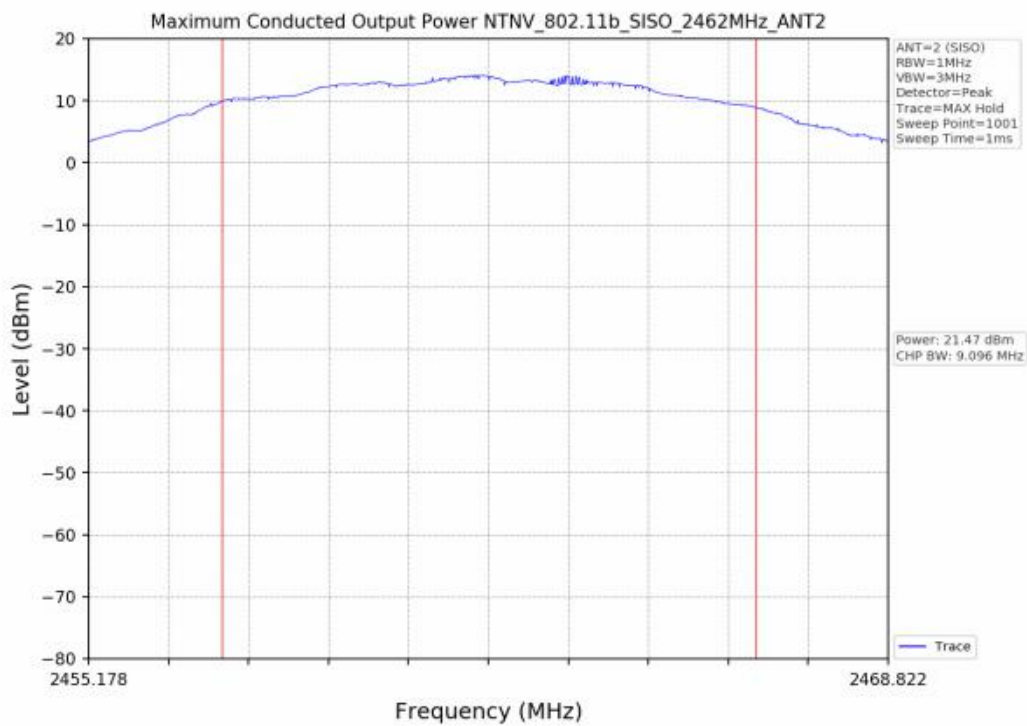
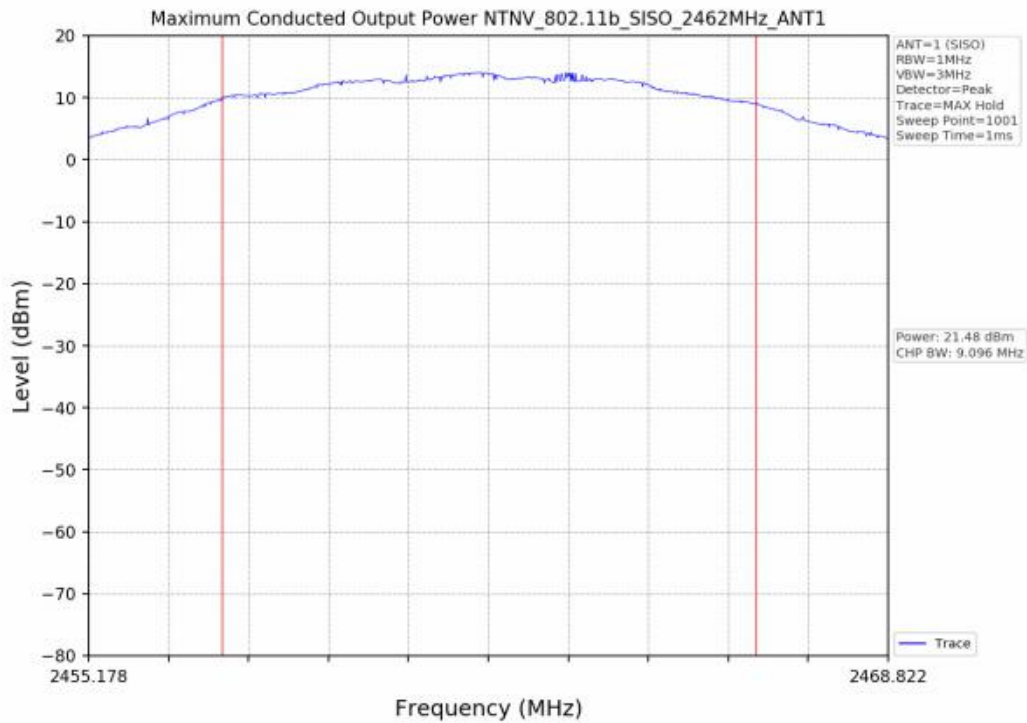
2.1 Test Result

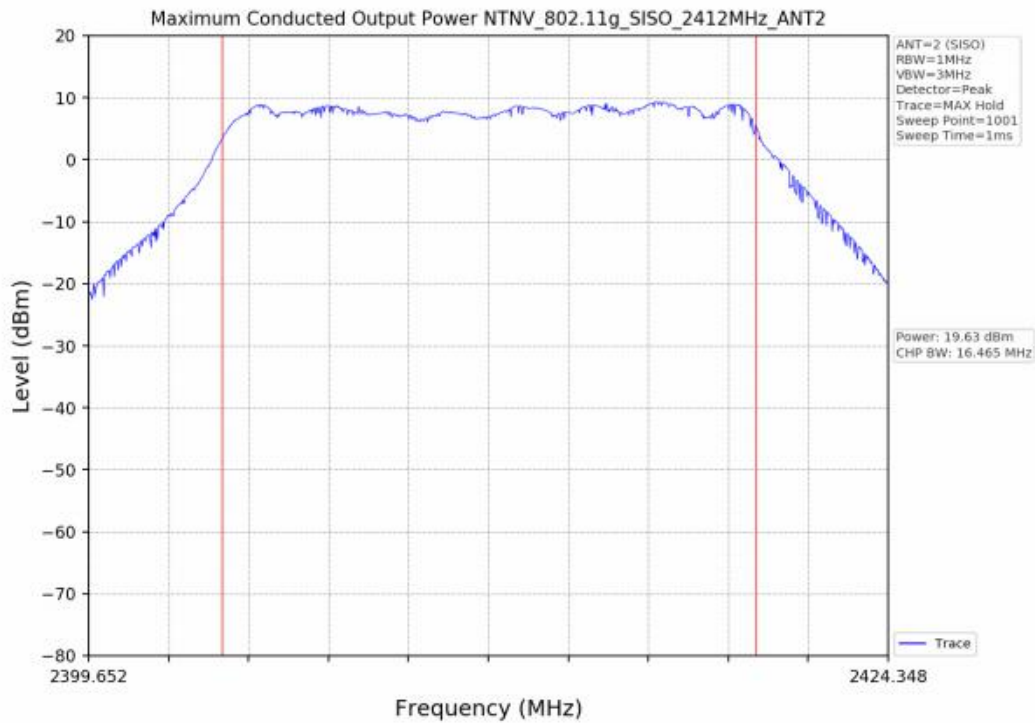
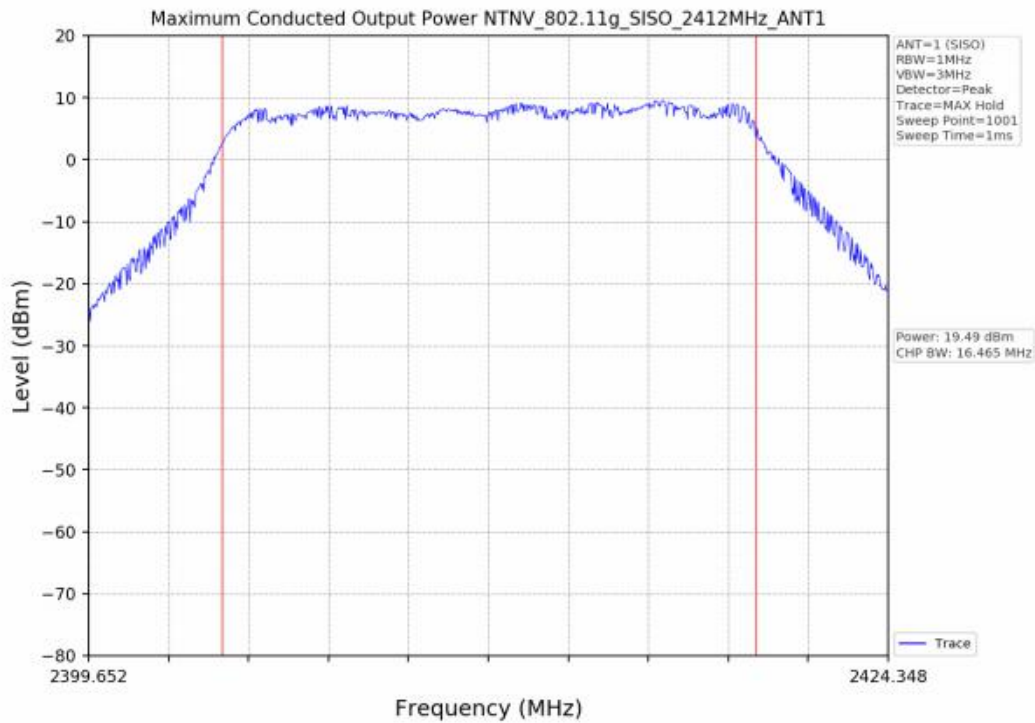
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	21.56	21.17	/	30	PASS
	2437	SISO	21.18	21.88	/	30	PASS
	2462	SISO	21.48	21.47	/	30	PASS
802.11g	2412	SISO	19.49	19.63	/	30	PASS
	2437	SISO	19.53	20.36	/	30	PASS
	2462	SISO	19.87	20.16	/	30	PASS
802.11n(HT20)	2412	MIMO	19.50	19.16	22.34	30	PASS
	2437	MIMO	20.43	19.32	22.92	30	PASS
	2462	MIMO	19.91	19.47	22.71	30	PASS
802.11n(HT40)	2422	MIMO	18.22	17.87	21.06	30	PASS
	2437	MIMO	18.85	18.19	21.54	30	PASS
	2452	MIMO	18.93	18.37	21.67	30	PASS

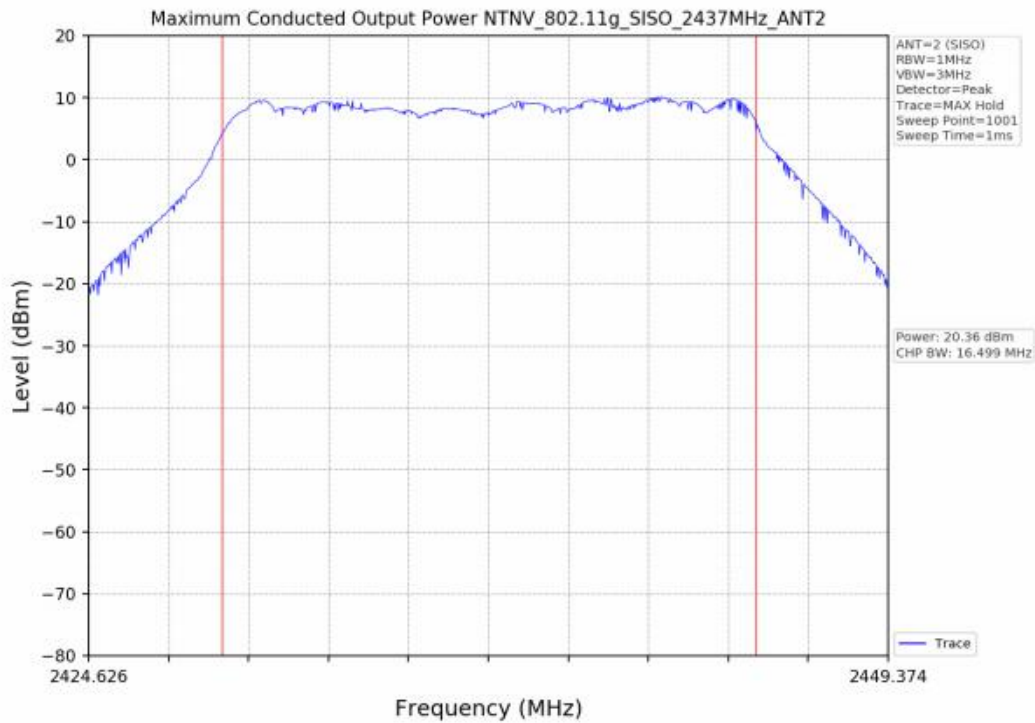
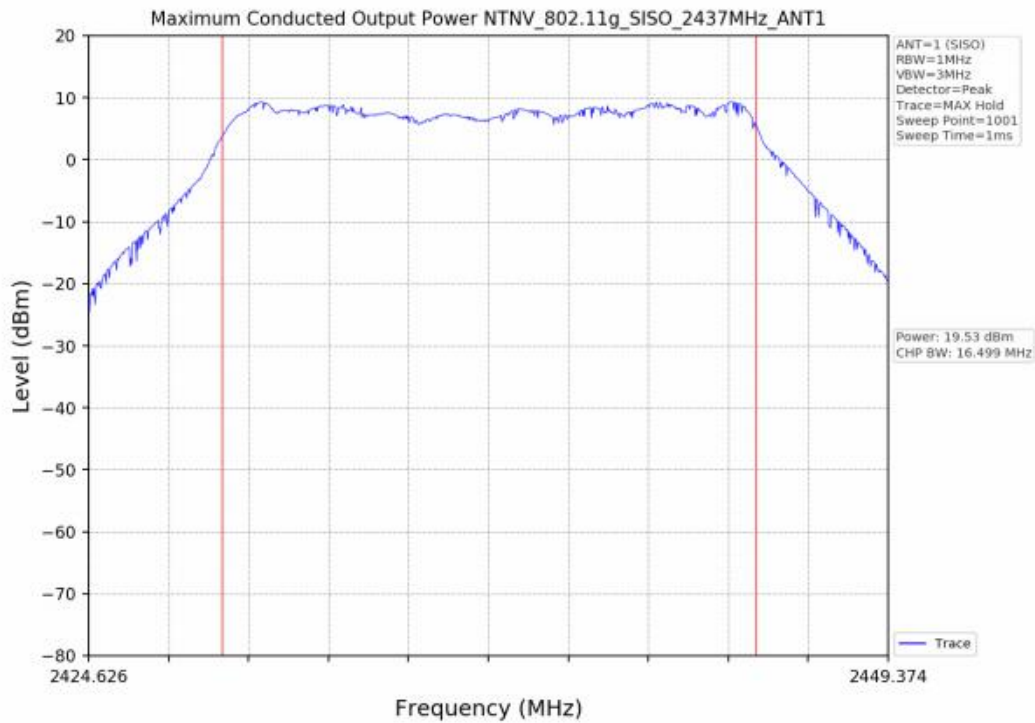
2.2 Test Graph

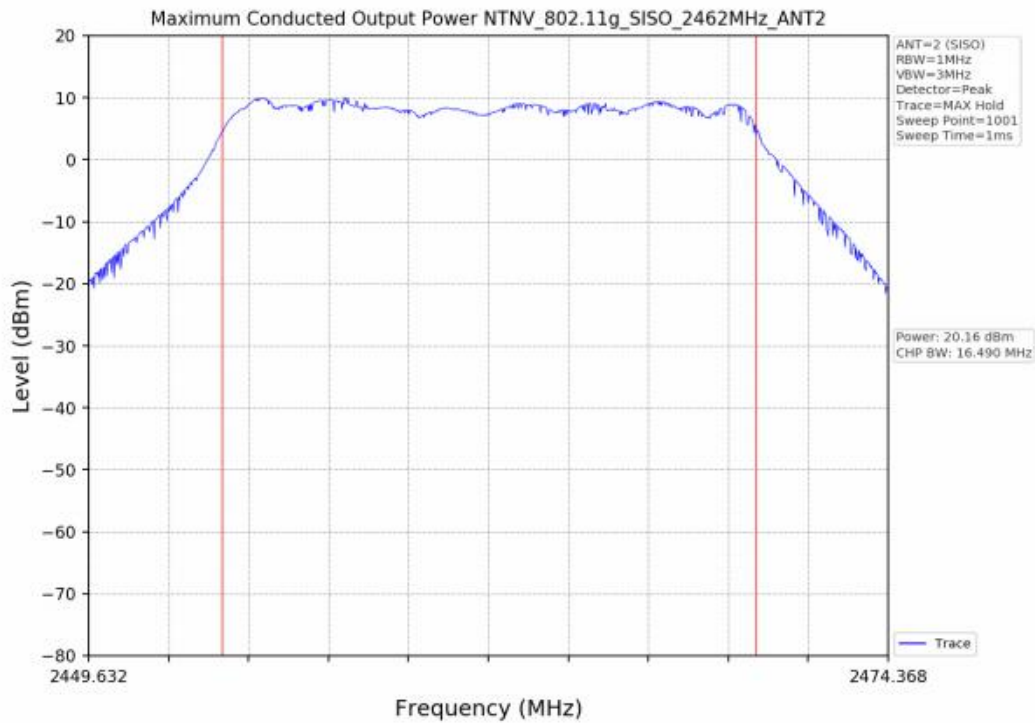
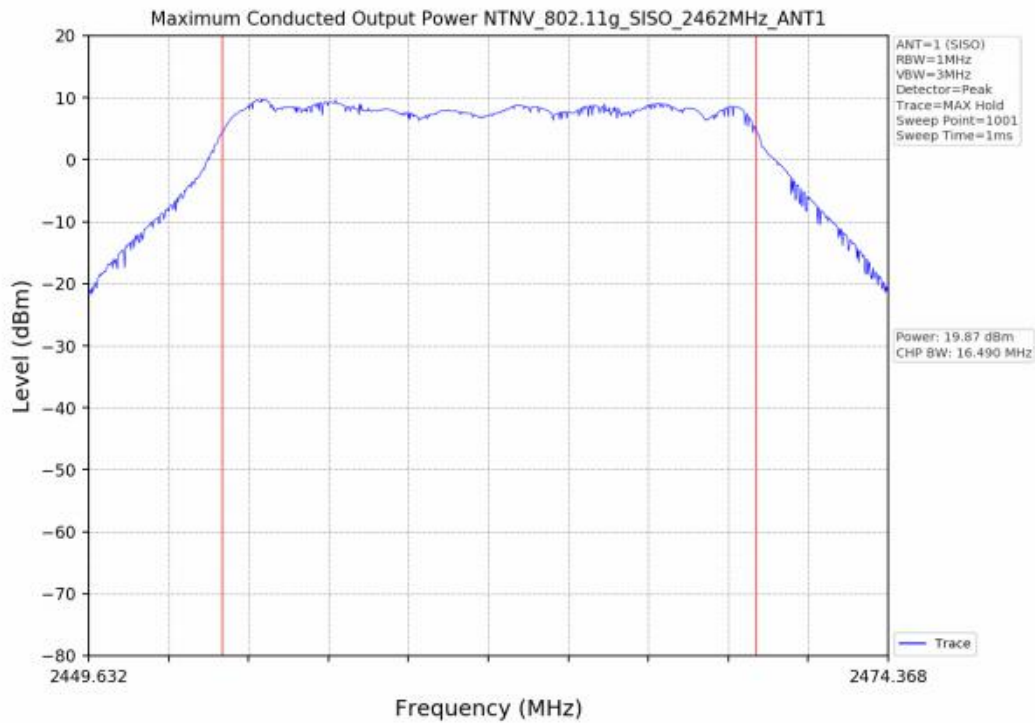


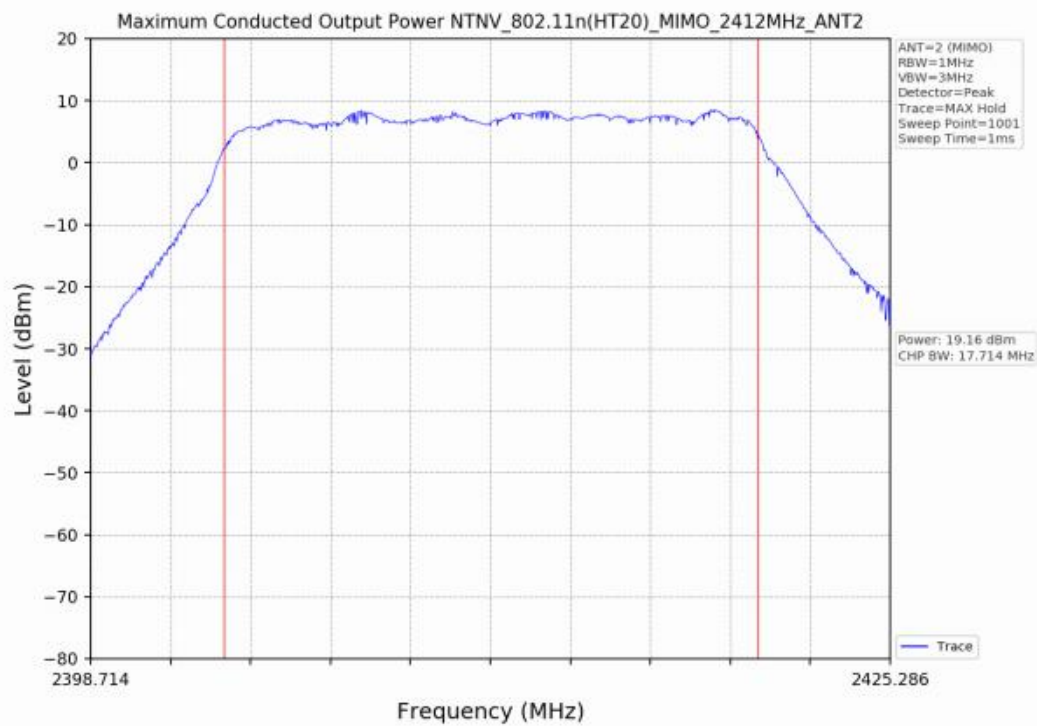
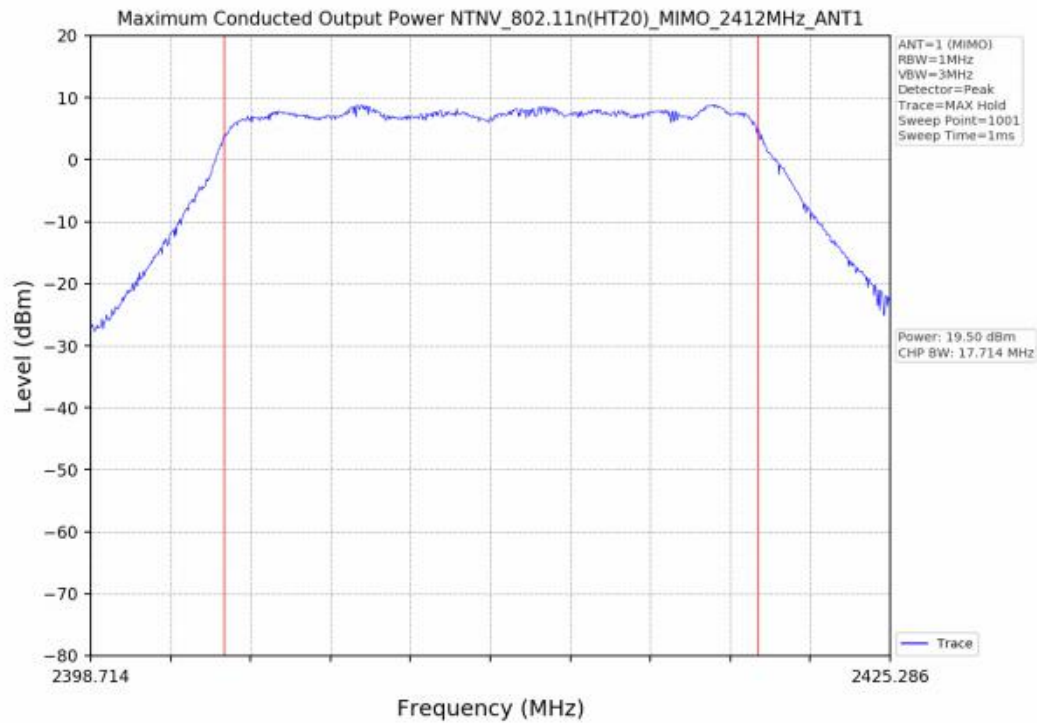


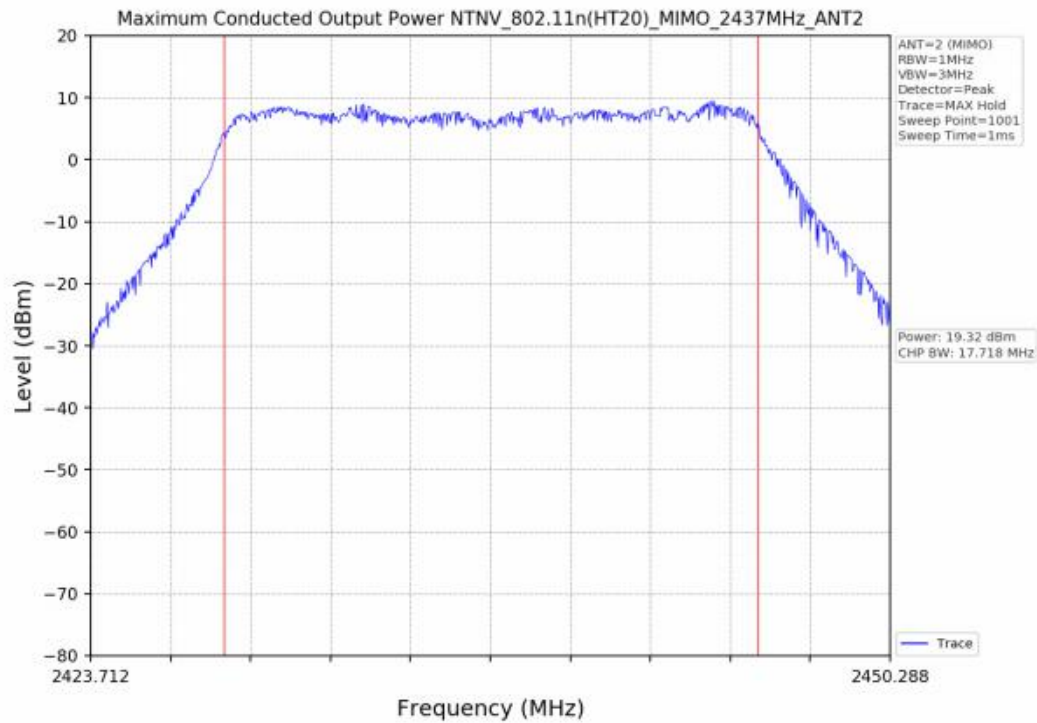
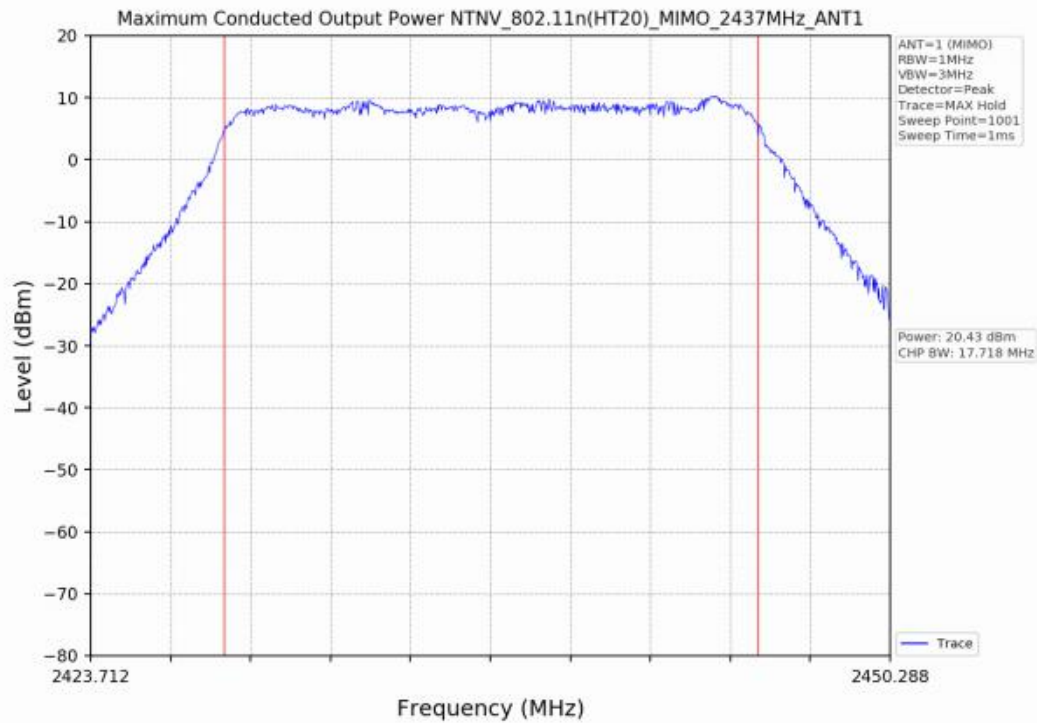


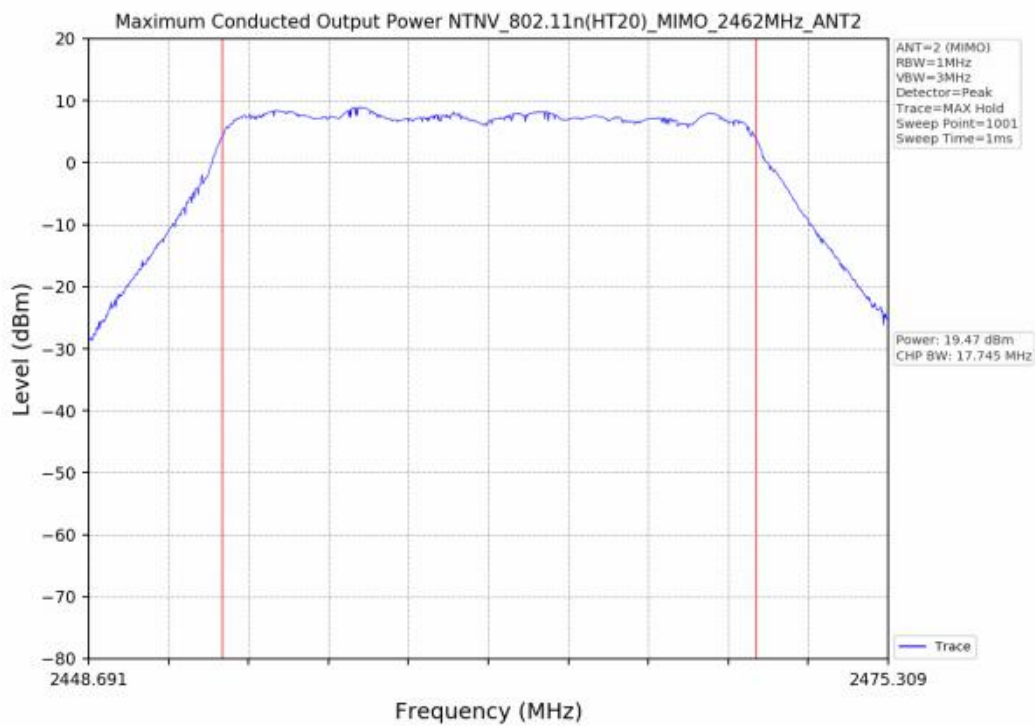
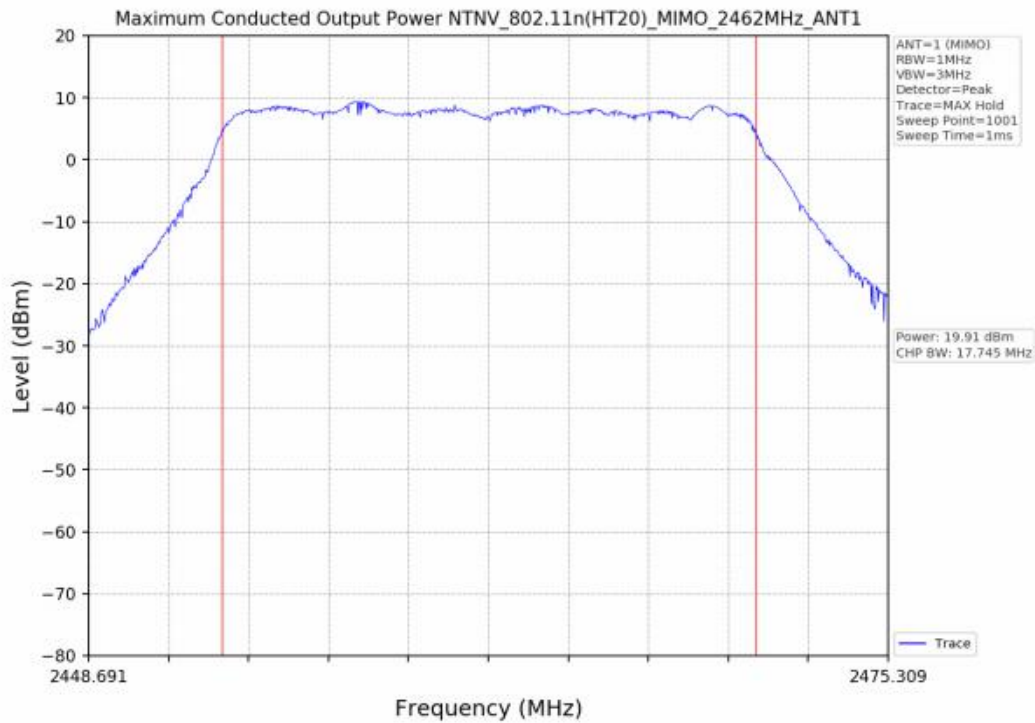


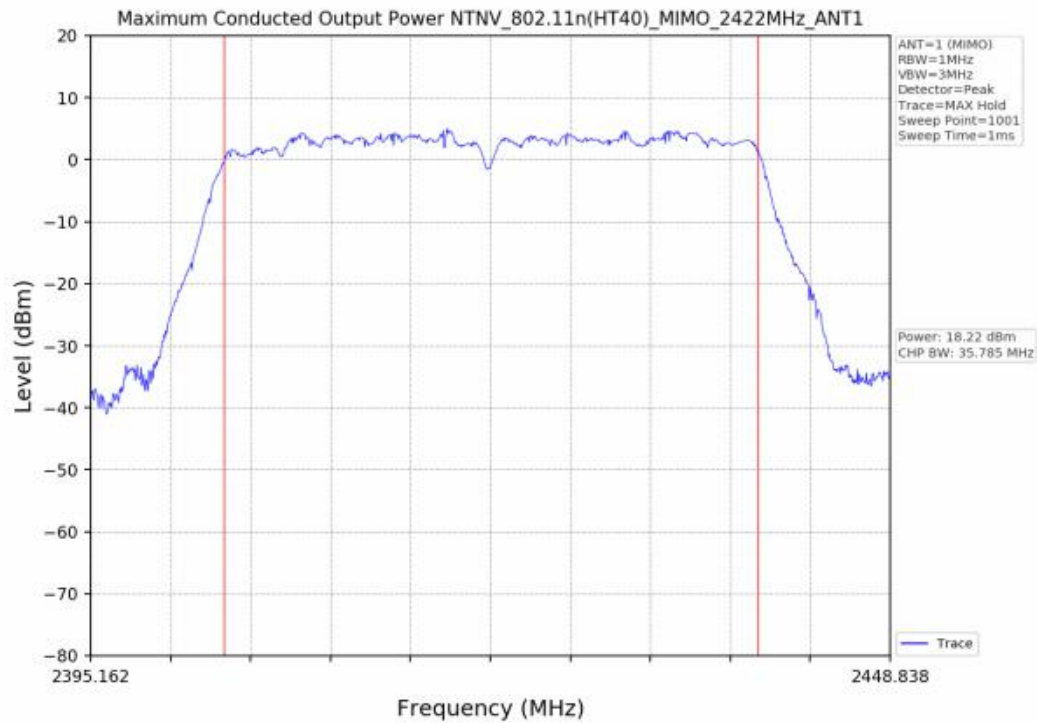


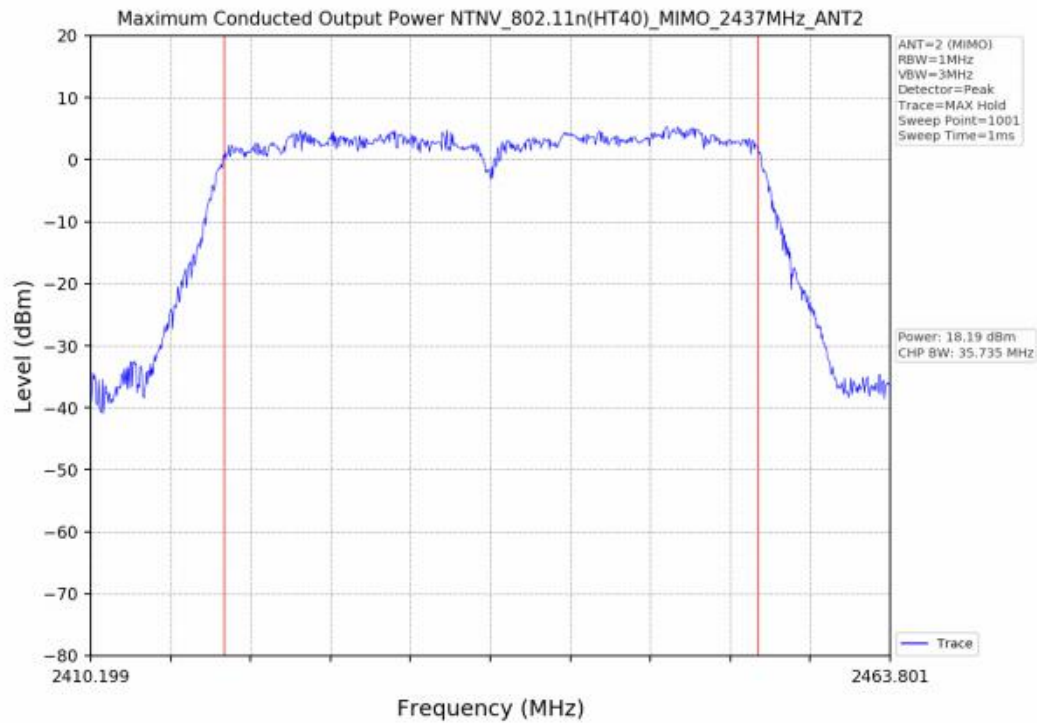
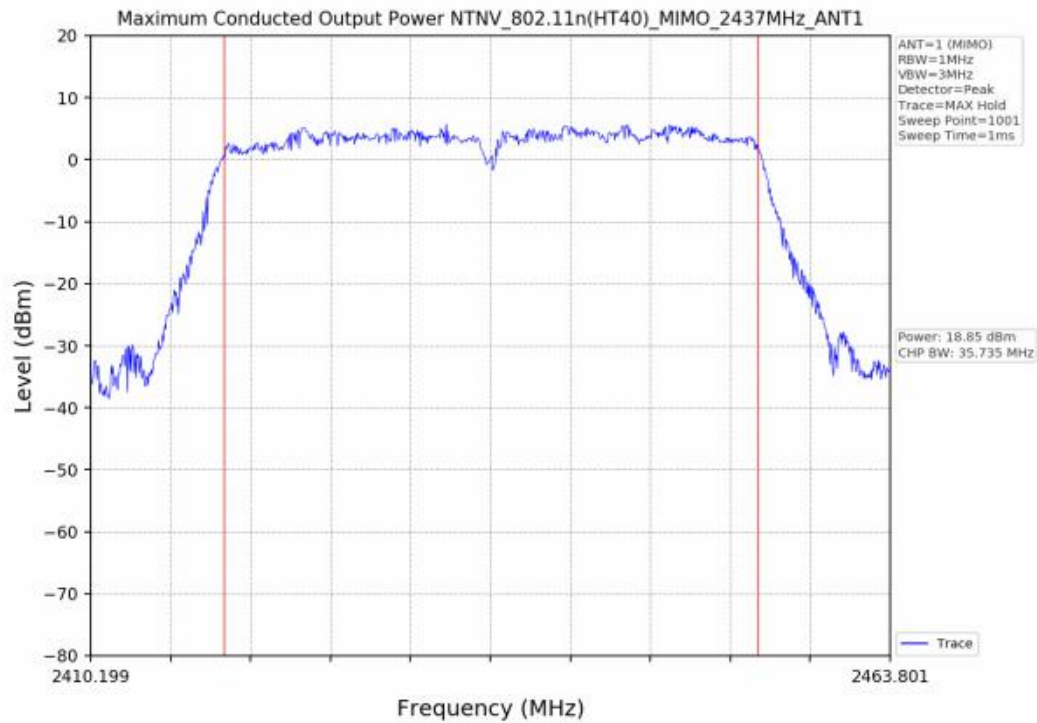


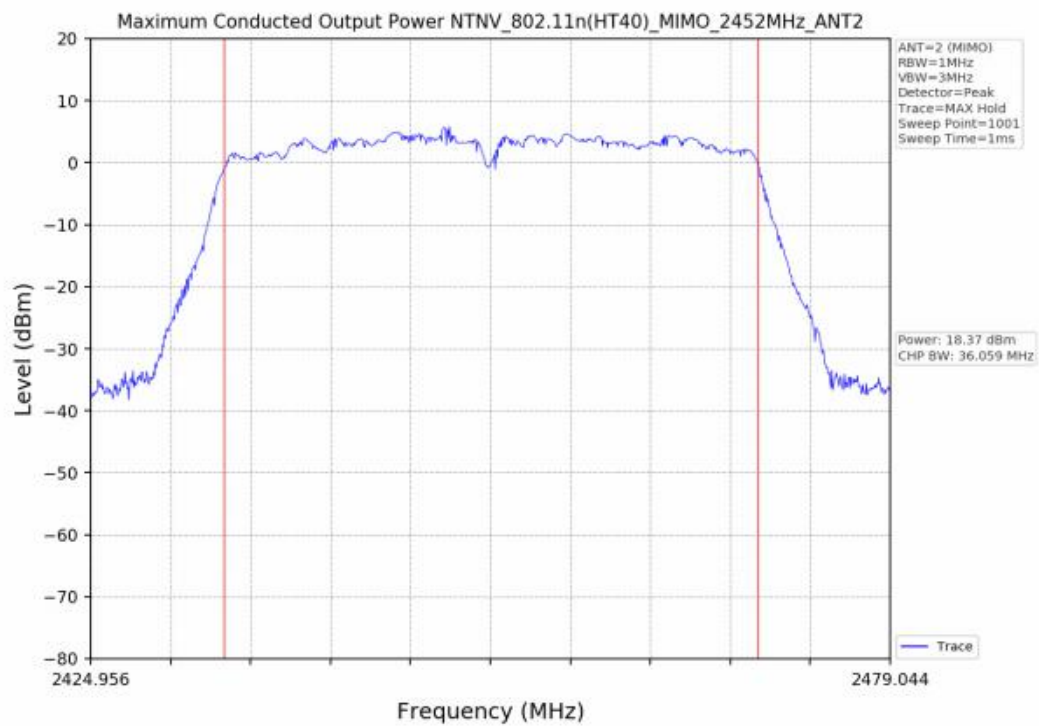
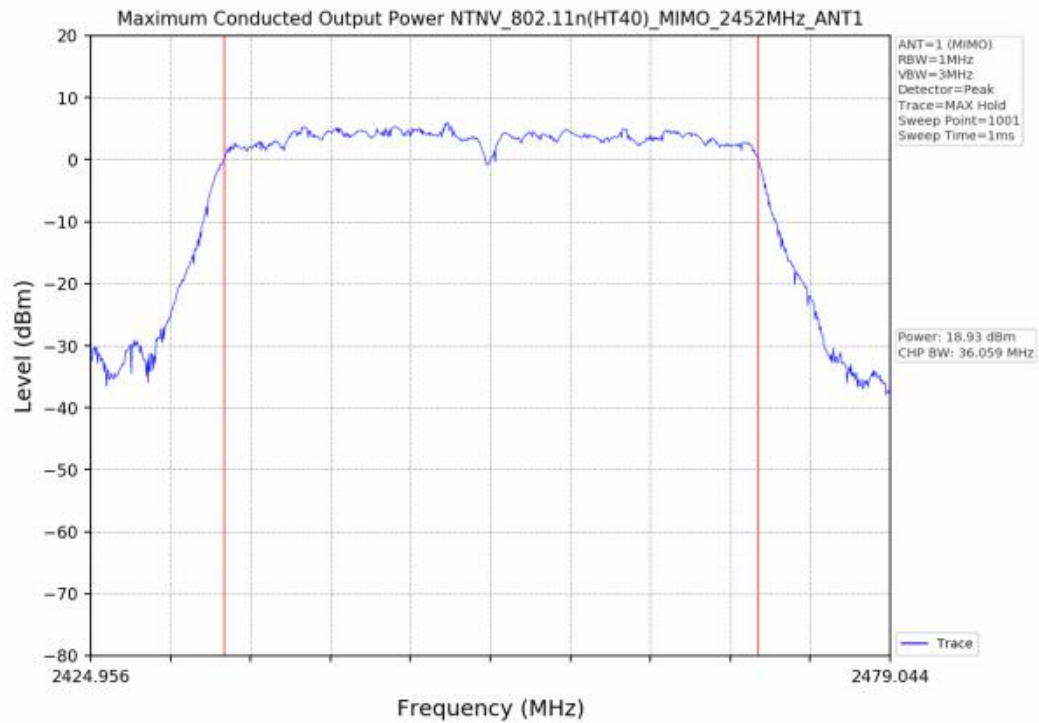










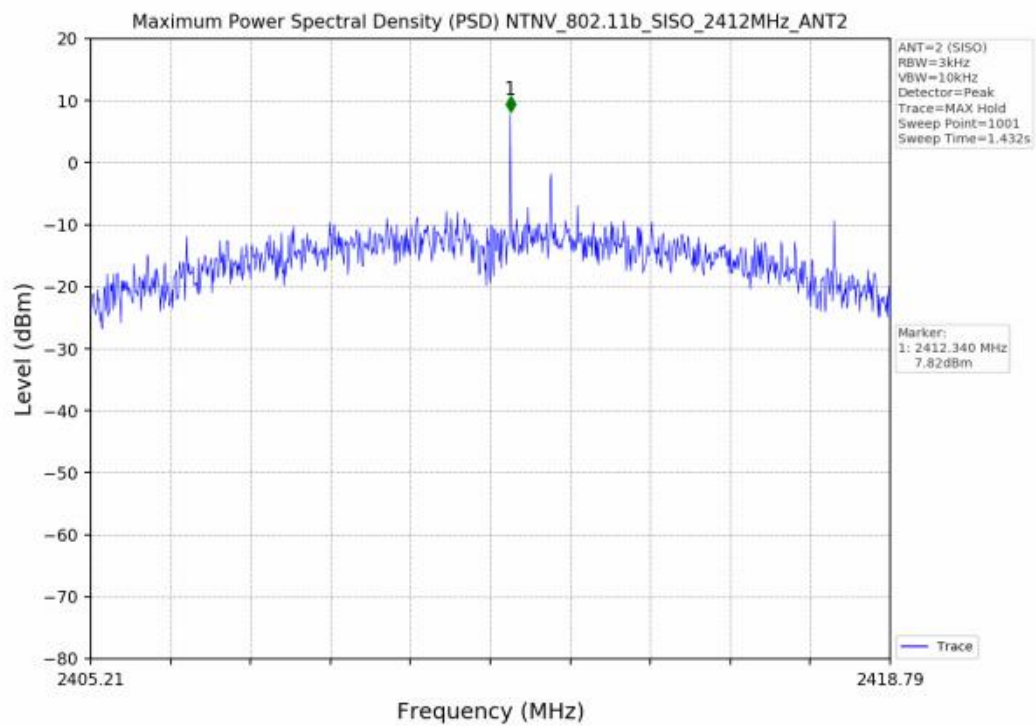
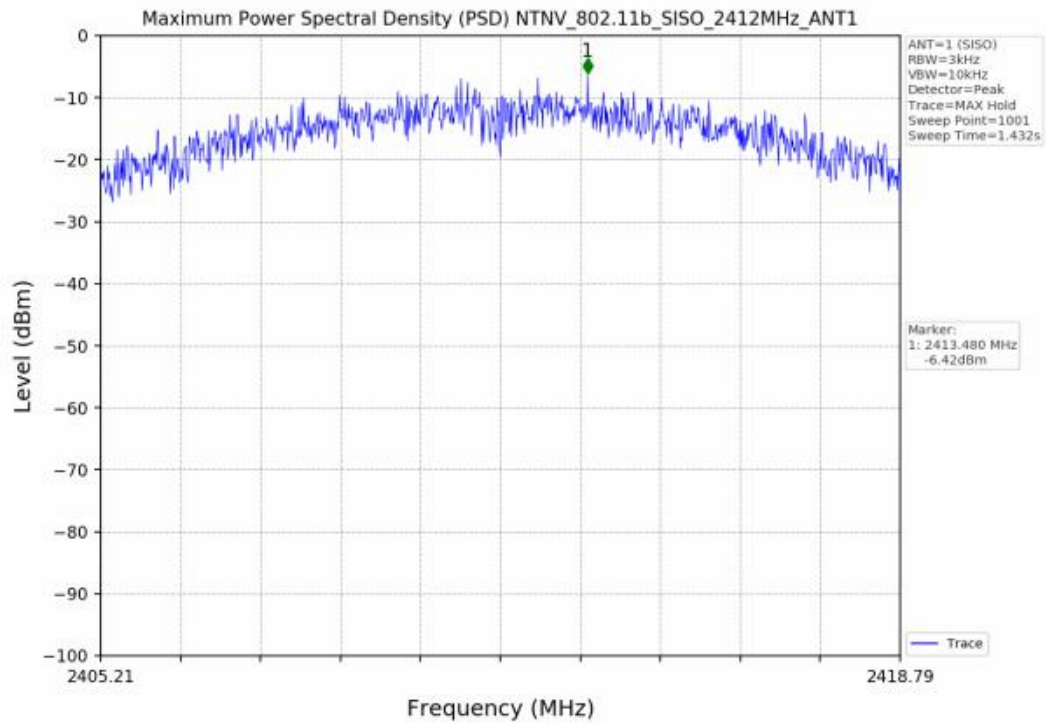


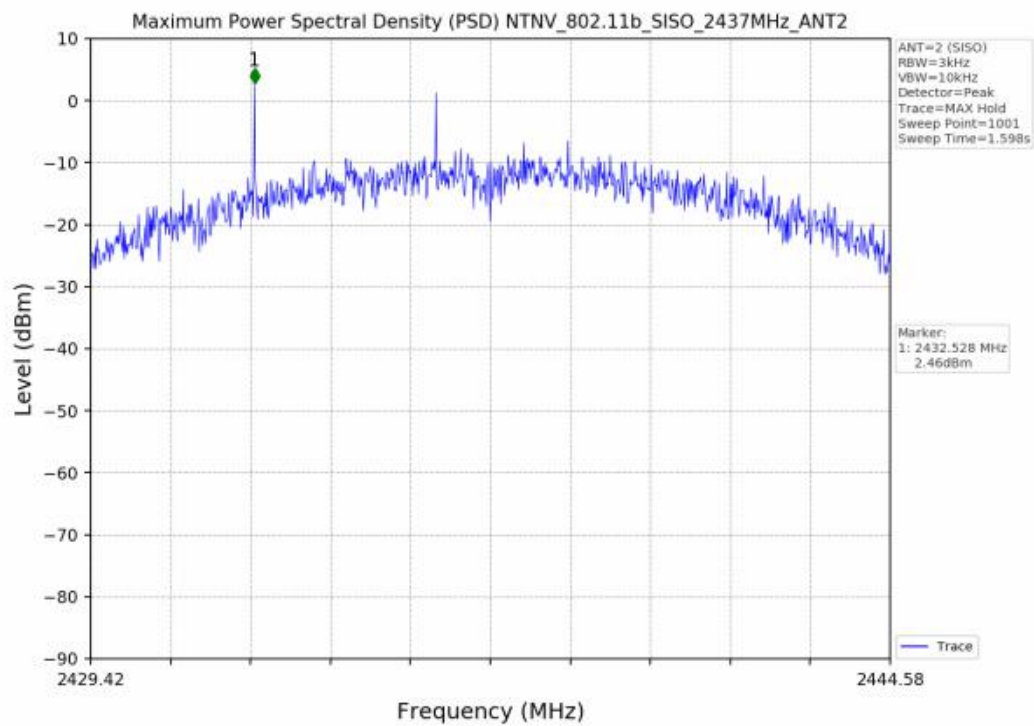
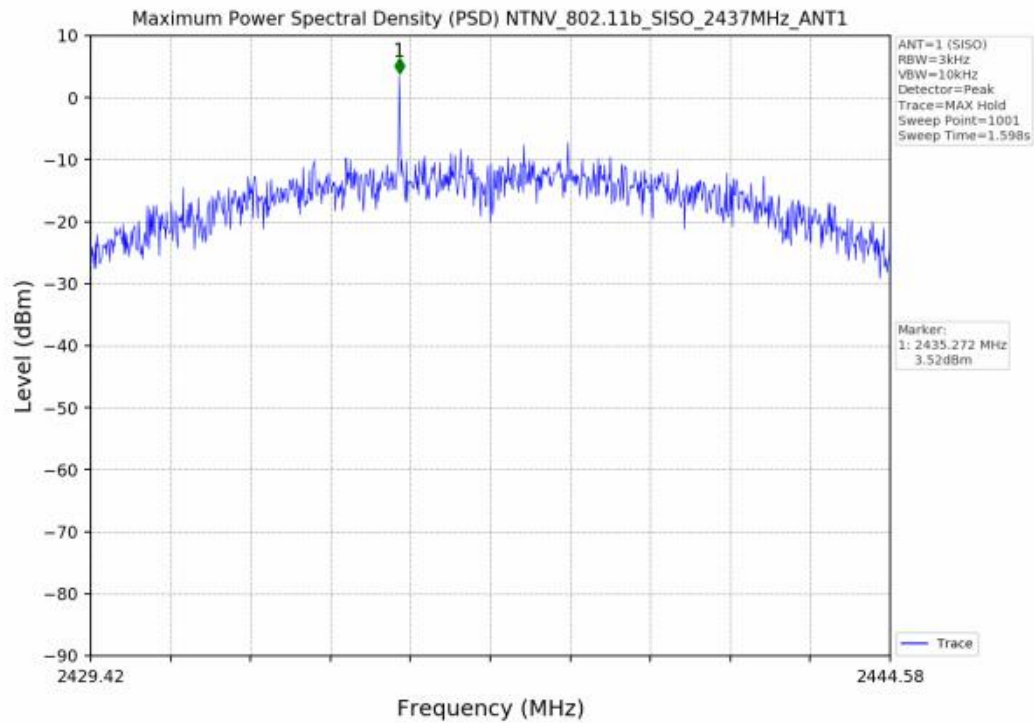
3. Maximum Power Spectral Density (PSD)

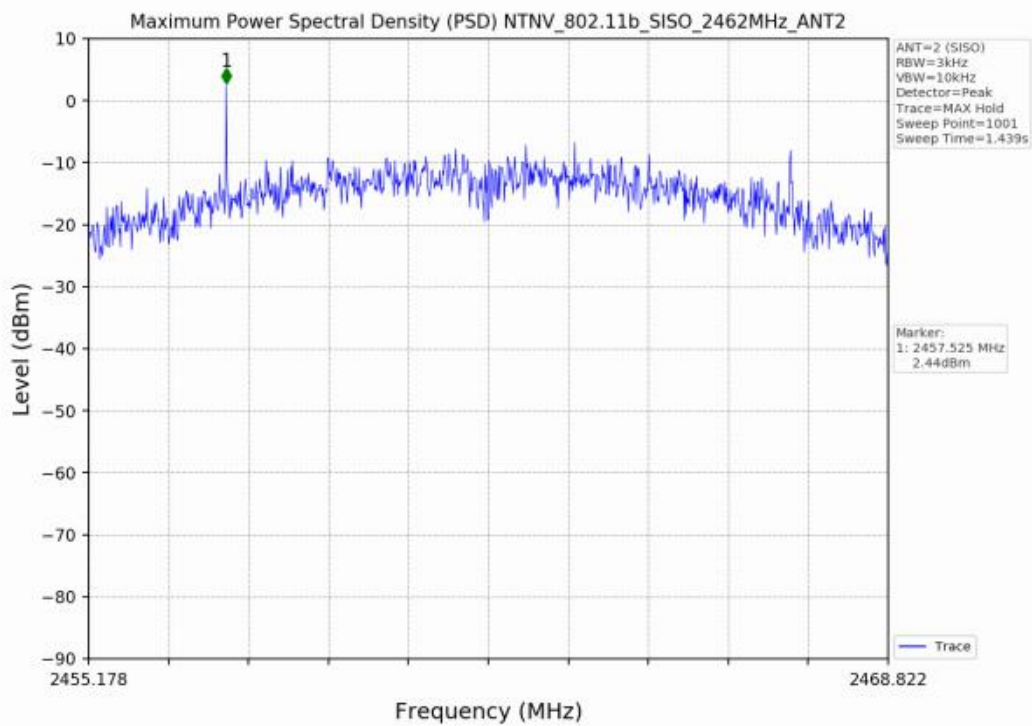
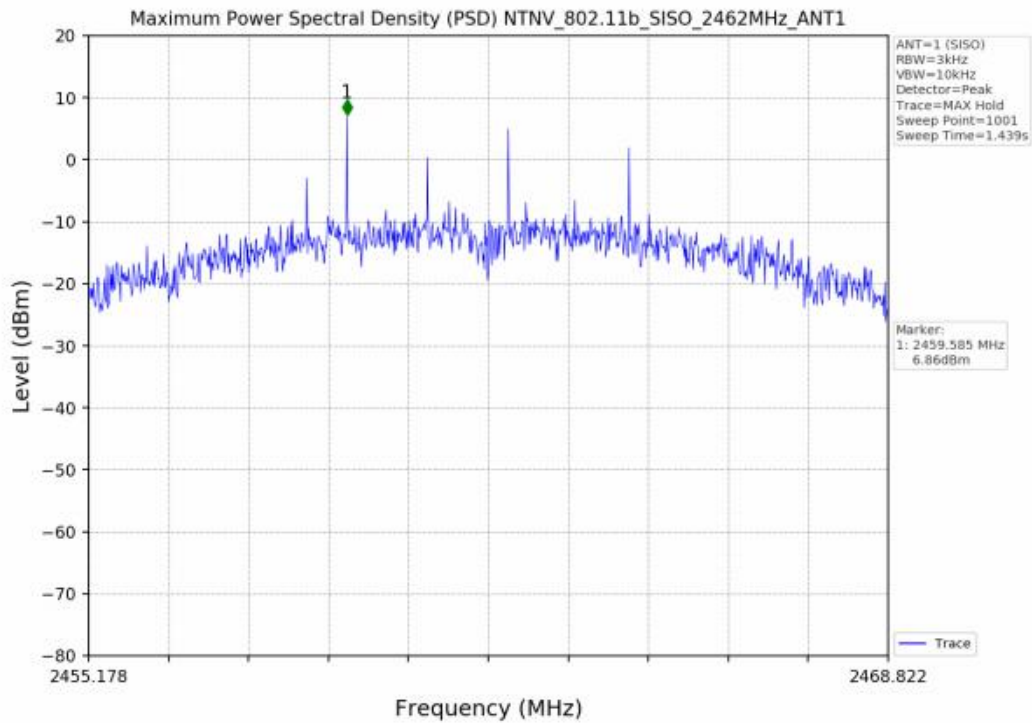
3.1 Test Result

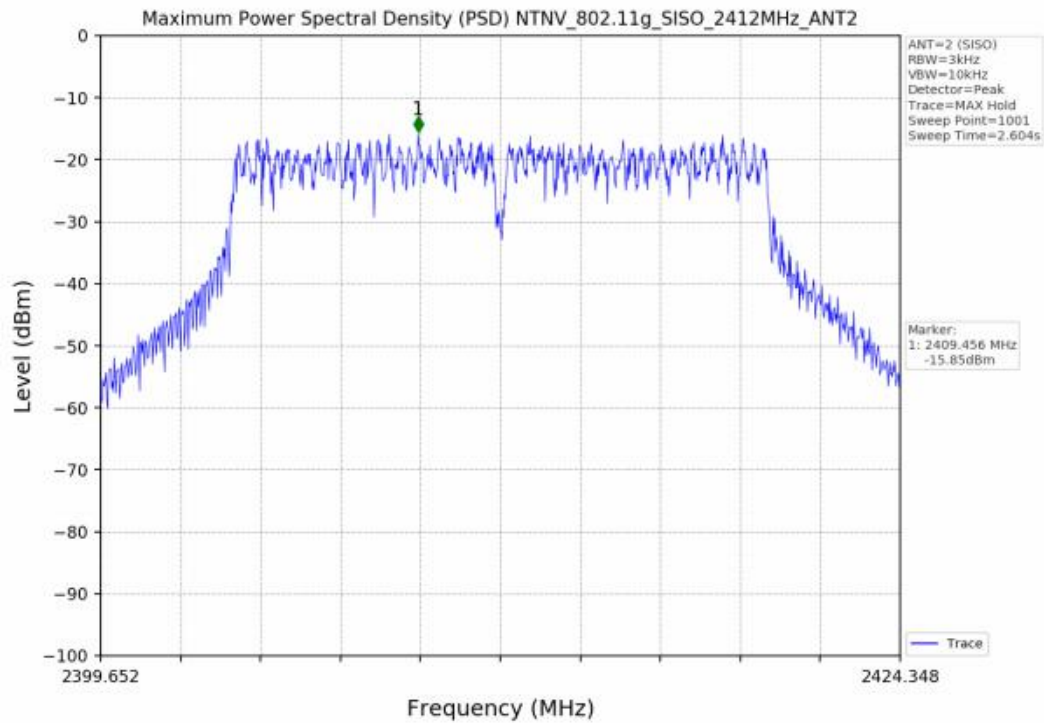
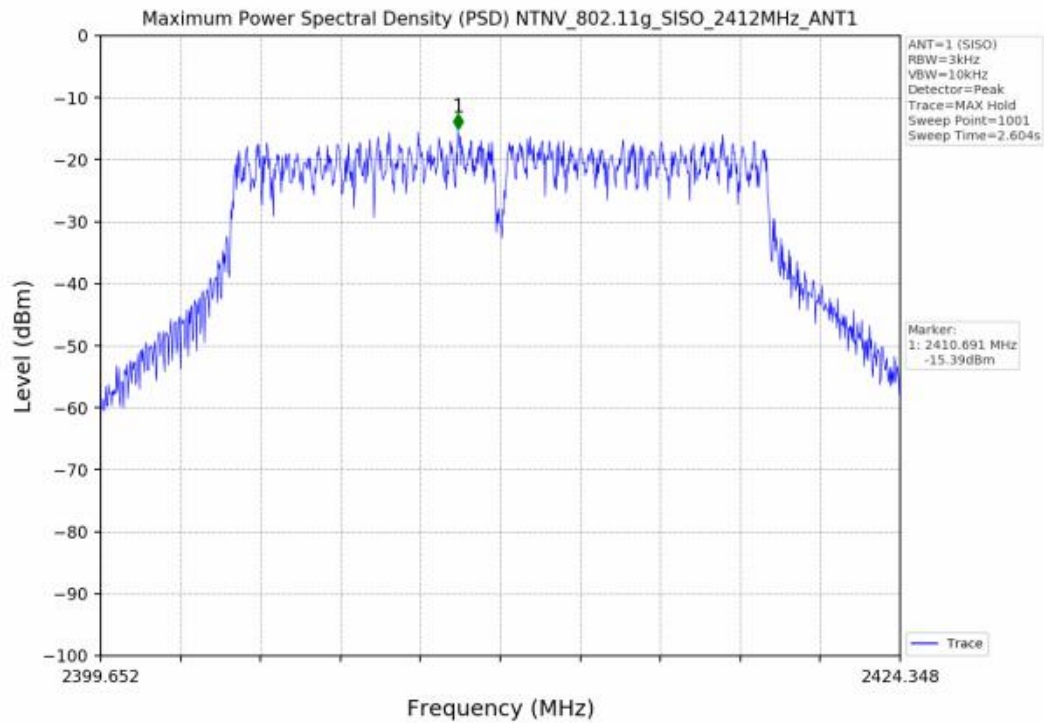
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	-6.42	7.82	/	≤8	PASS
	2437	SISO	3.52	2.46	/	≤8	PASS
	2462	SISO	6.86	2.44	/	≤8	PASS
802.11g	2412	SISO	-15.39	-15.85	/	≤8	PASS
	2437	SISO	-15.93	-14.76	/	≤8	PASS
	2462	SISO	-15.11	-14.76	/	≤8	PASS
802.11n(HT20)	2412	MIMO	-14.98	-14.84	-11.90	≤8	PASS
	2437	MIMO	-13.39	-14.21	-10.77	≤8	PASS
	2462	MIMO	-14.74	-14.37	-11.77	≤8	PASS
802.11n(HT40)	2422	MIMO	-18.39	-18.41	-15.89	≤8	PASS
	2437	MIMO	-17.44	-19.10	-15.38	≤8	PASS
	2452	MIMO	-17.30	-17.68	-14.83	≤8	PASS

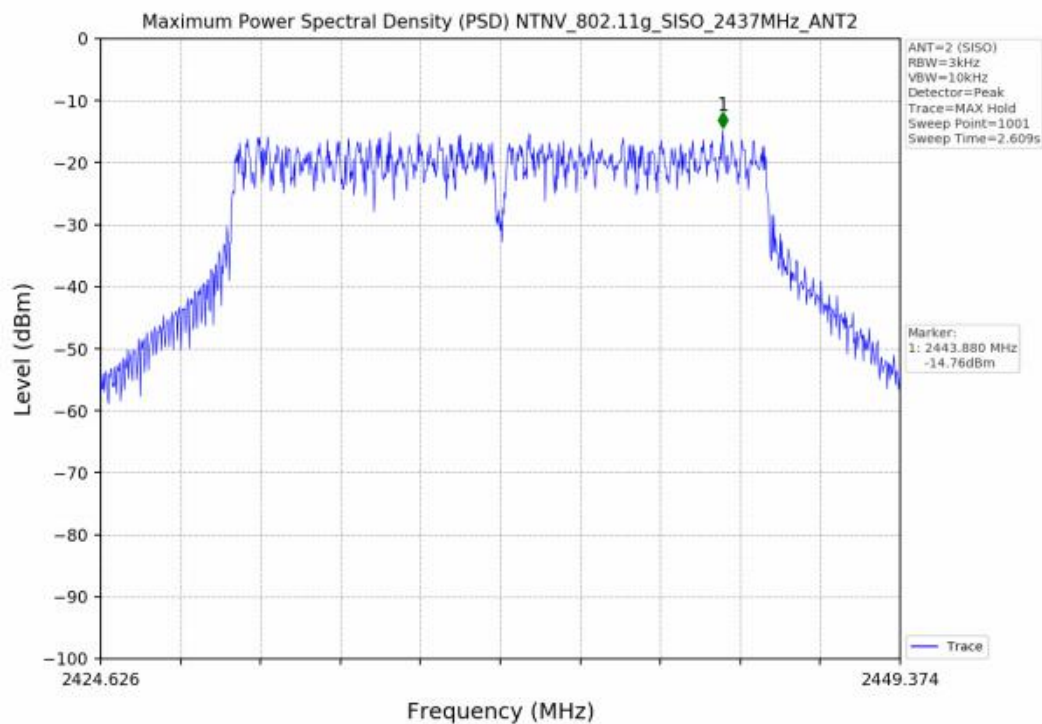
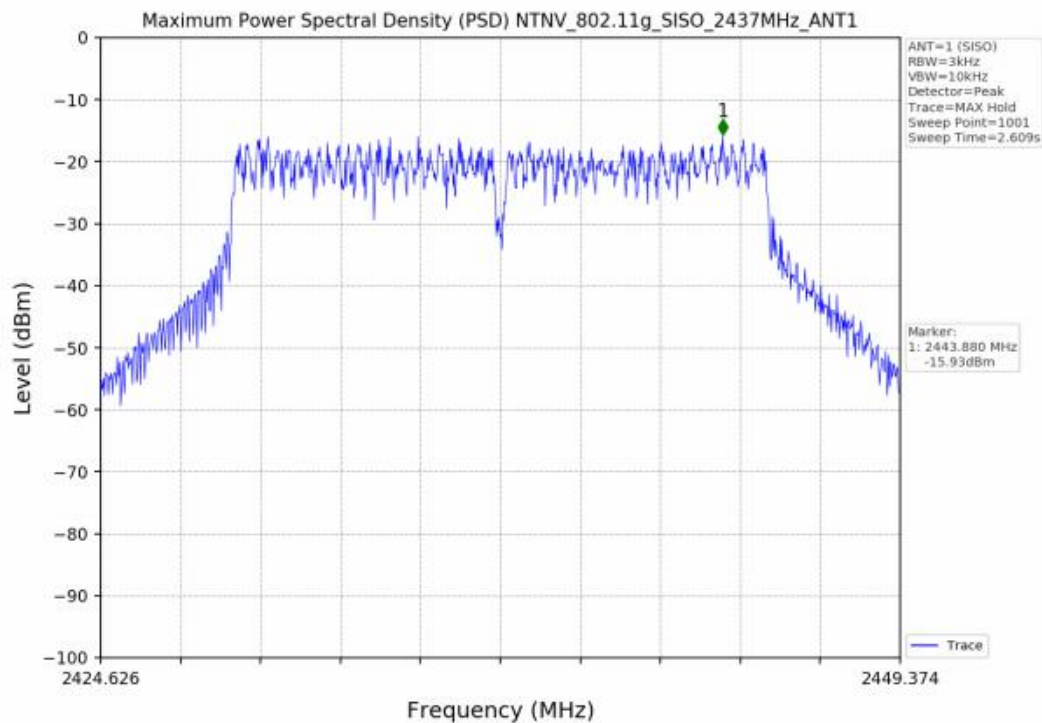
3.2 Test Graph

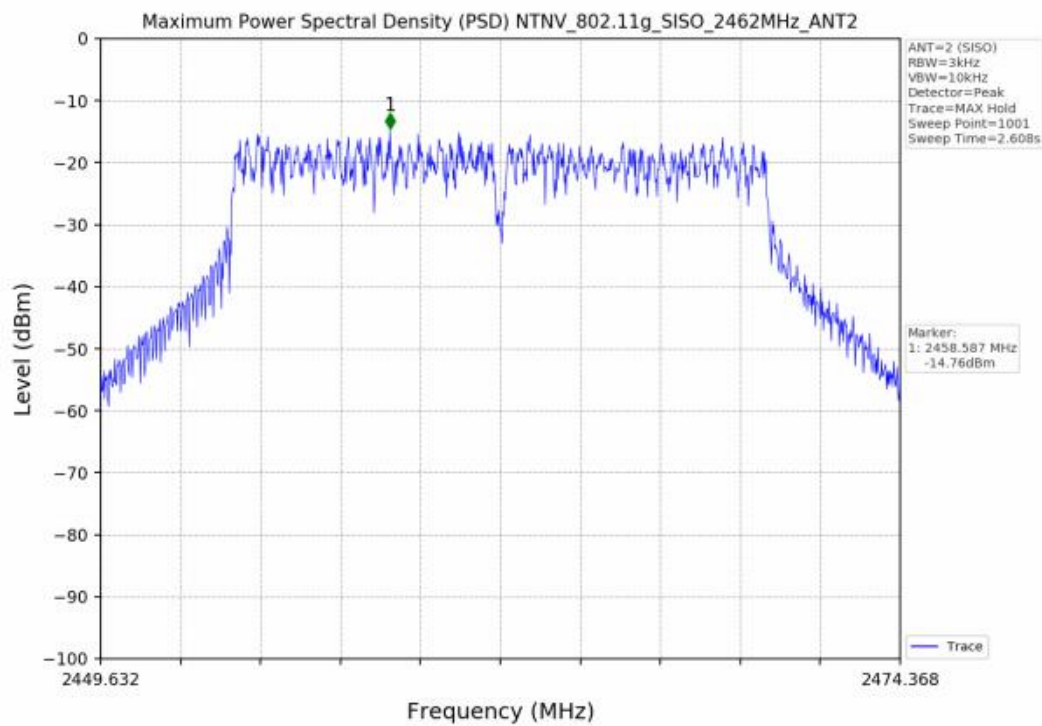
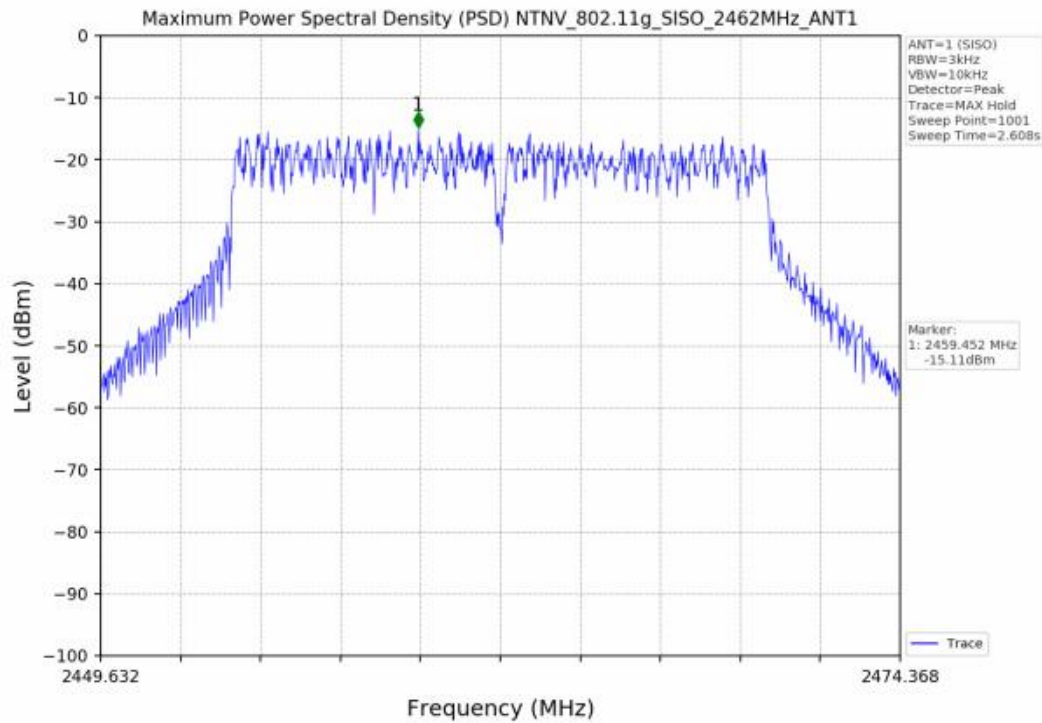


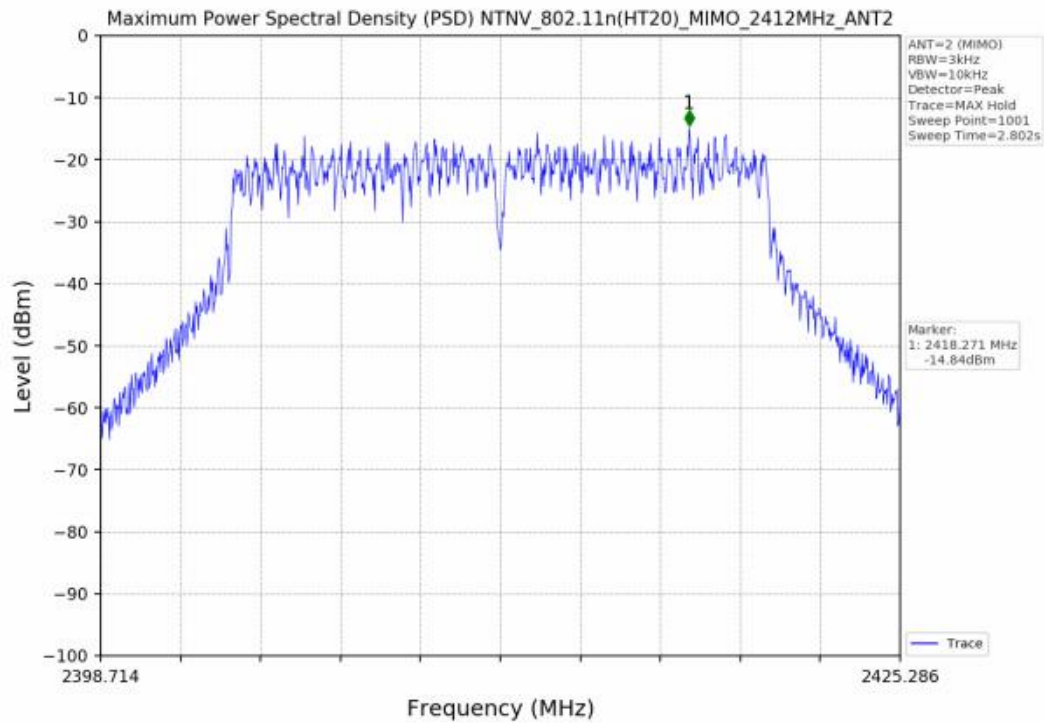
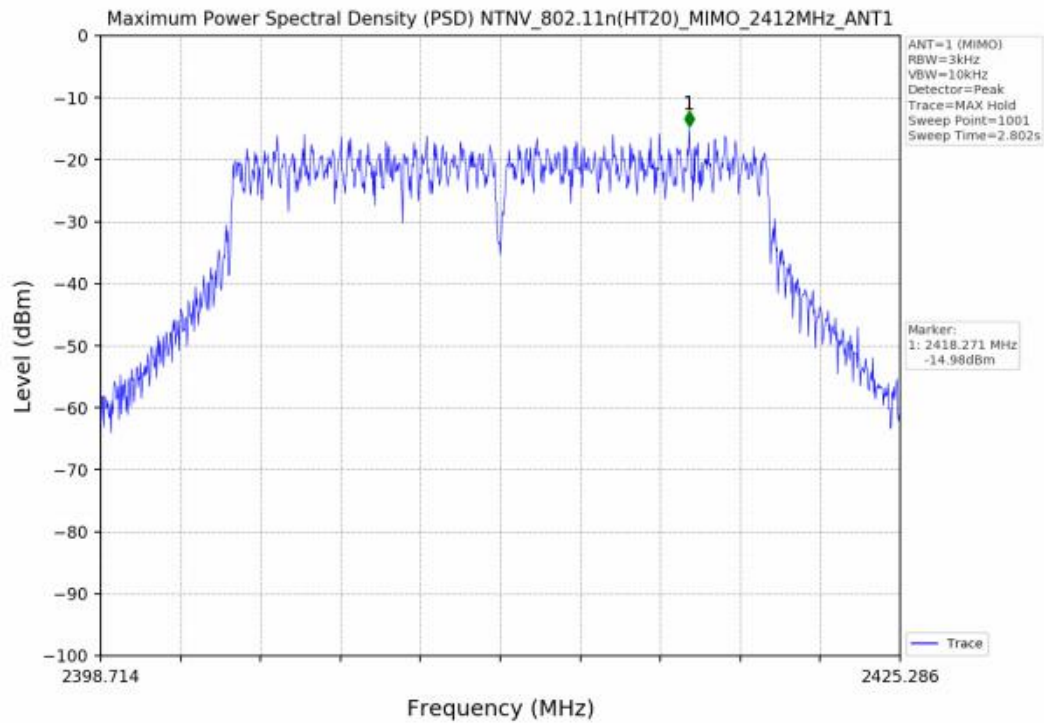


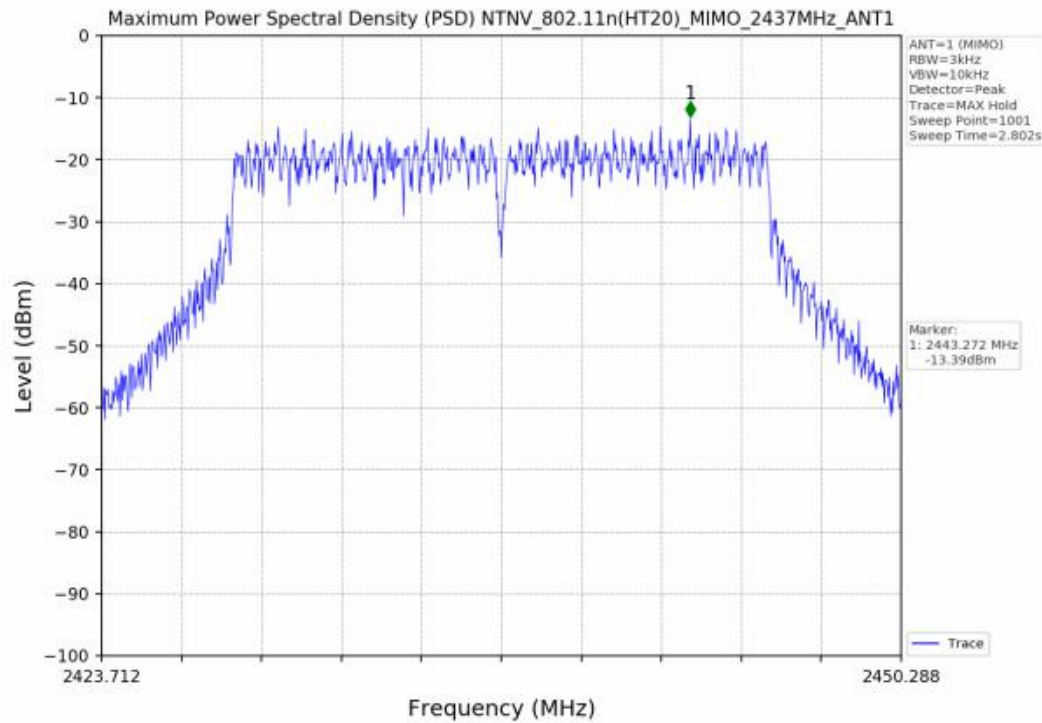
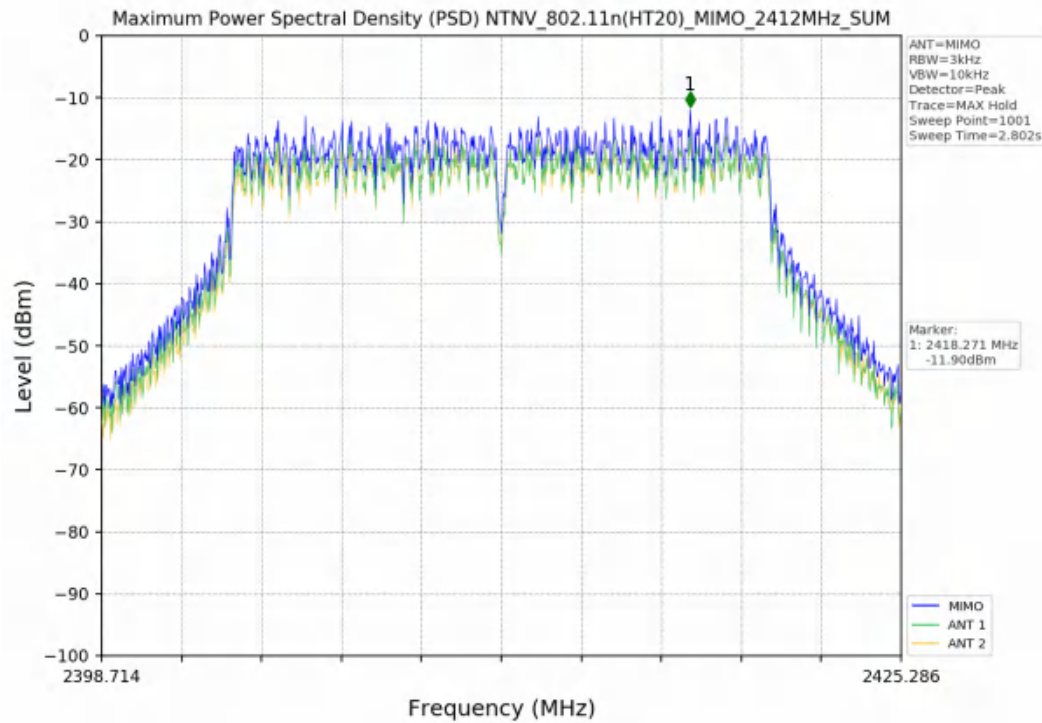


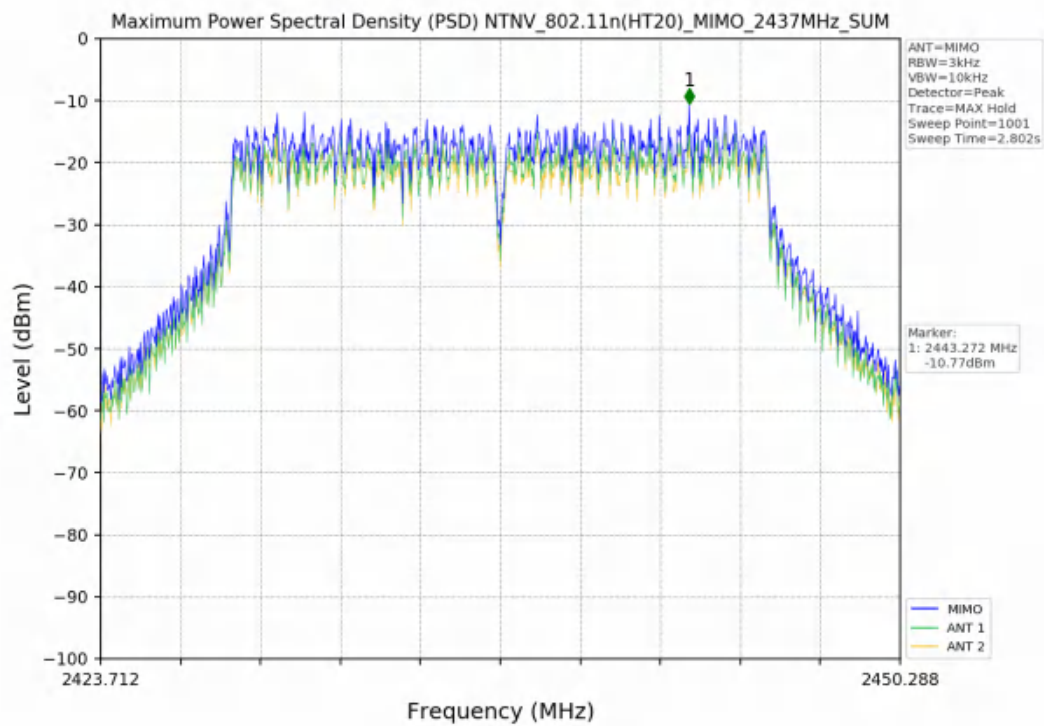
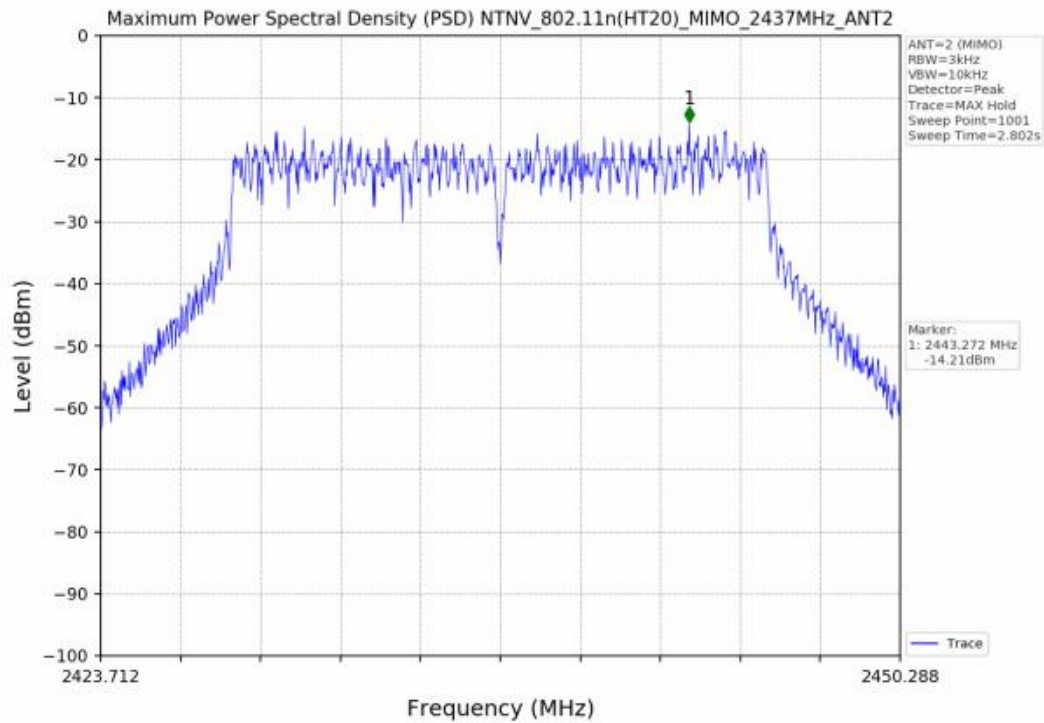


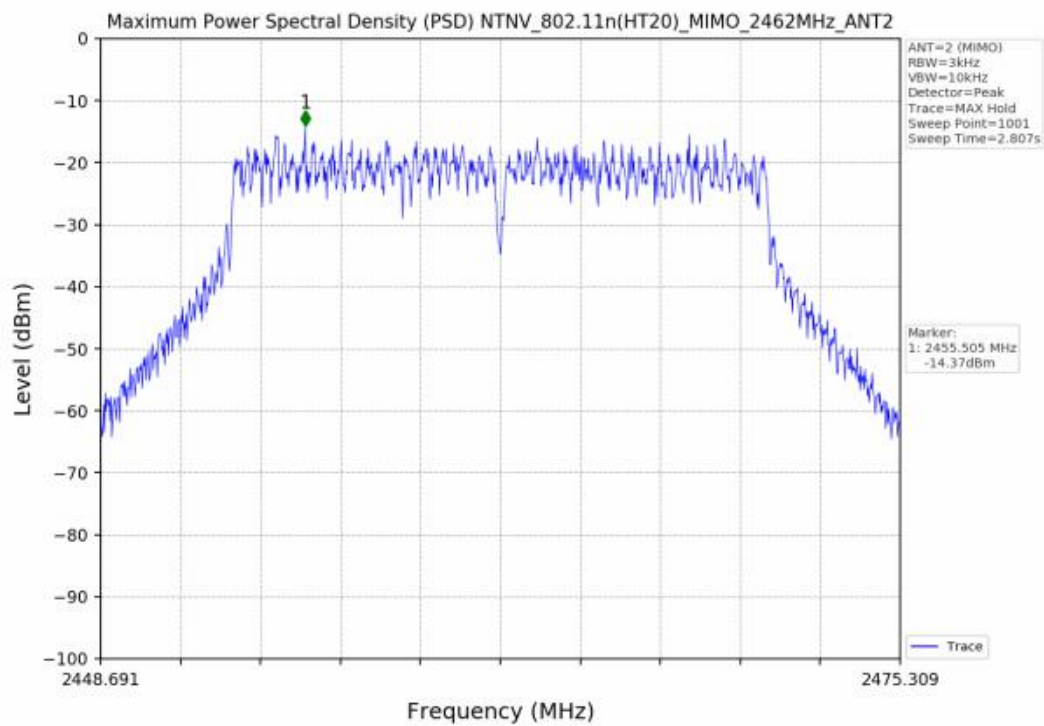
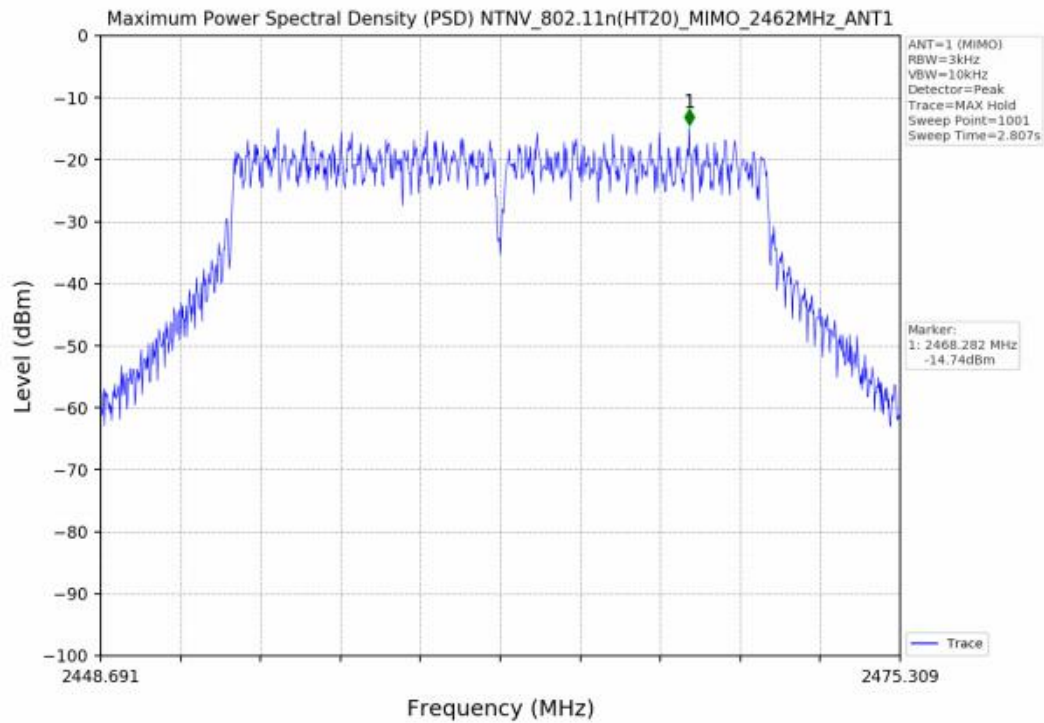


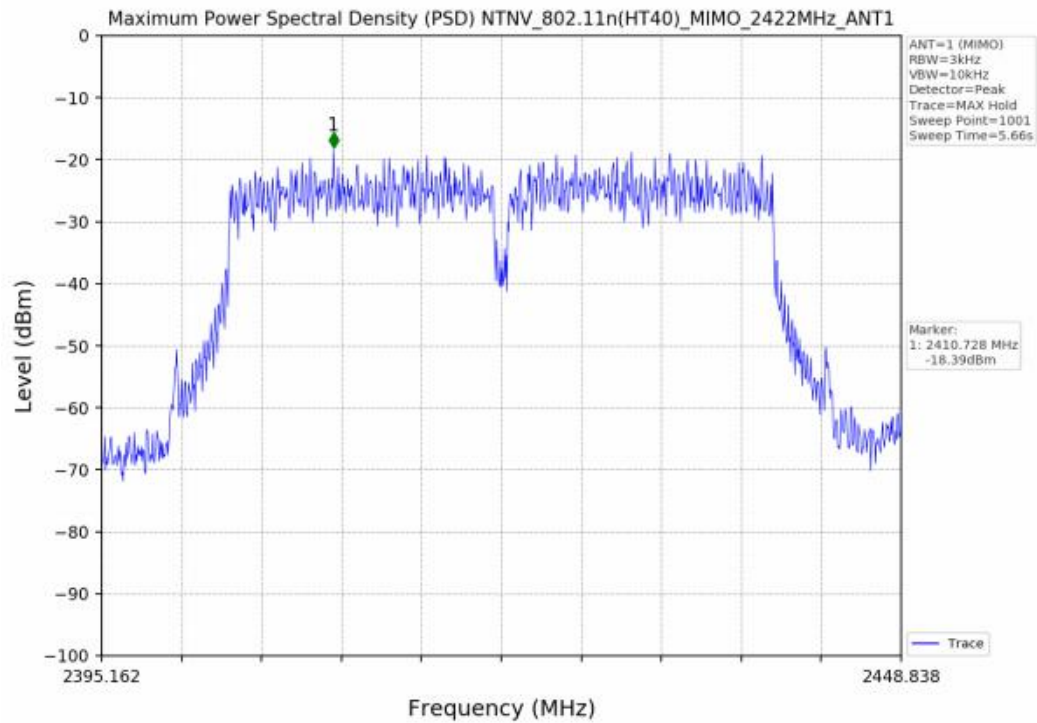
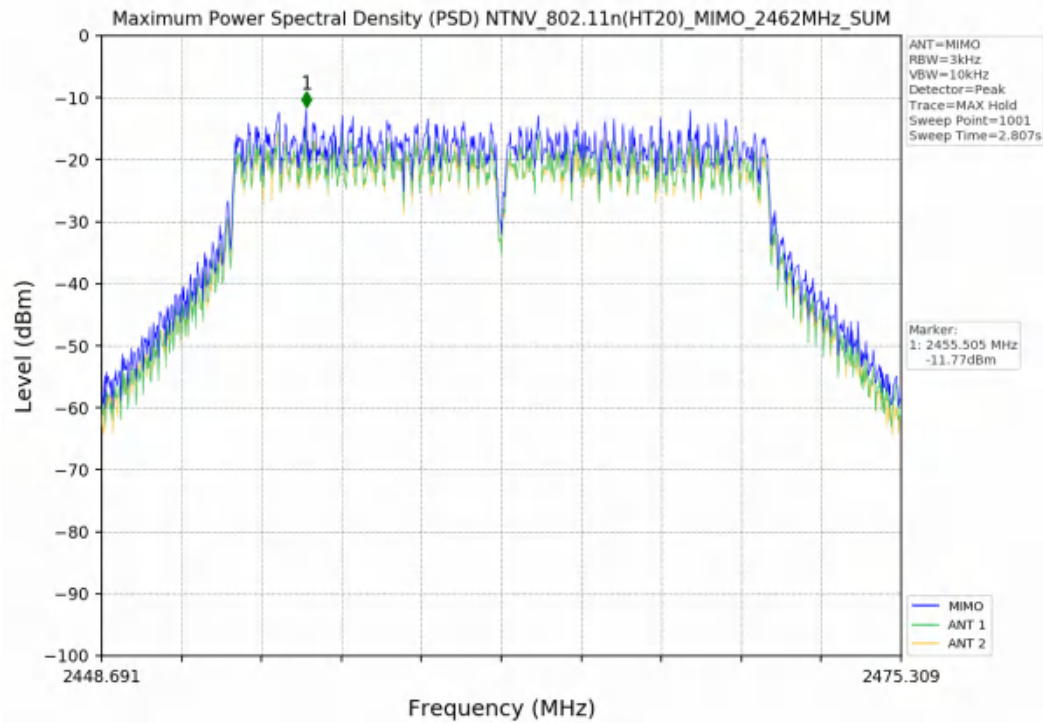


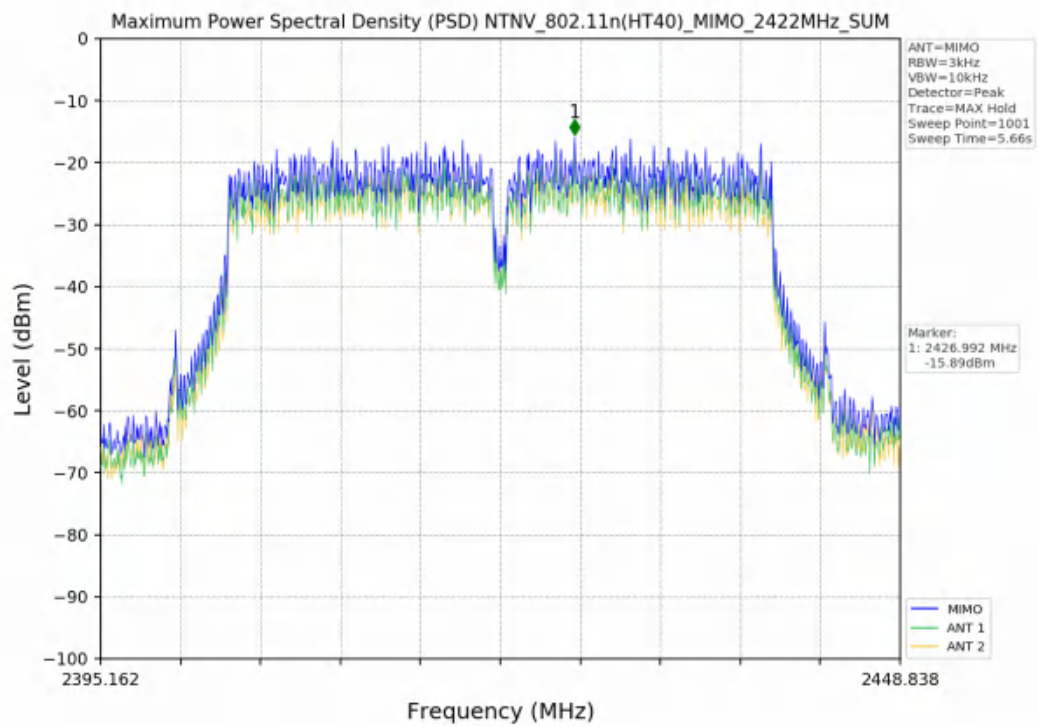
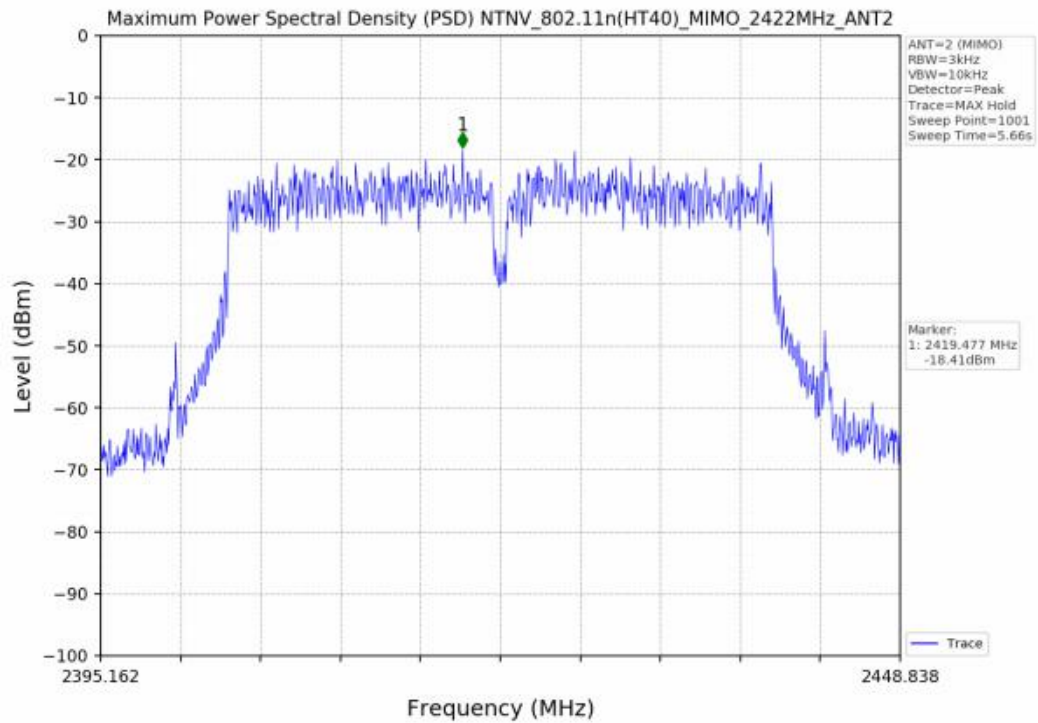


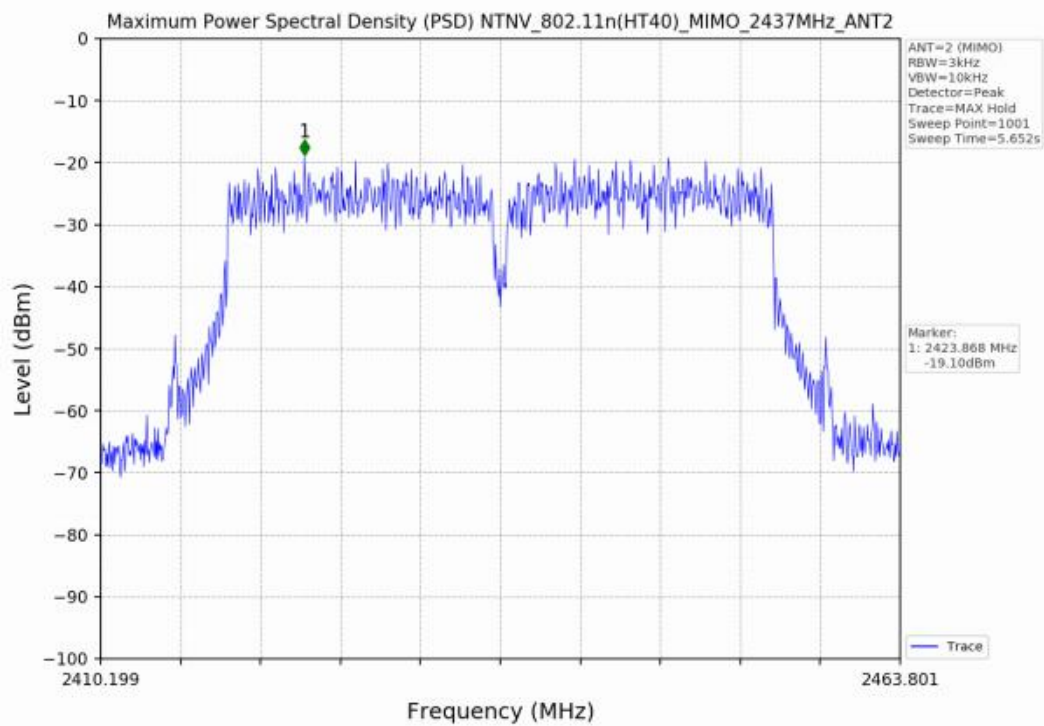
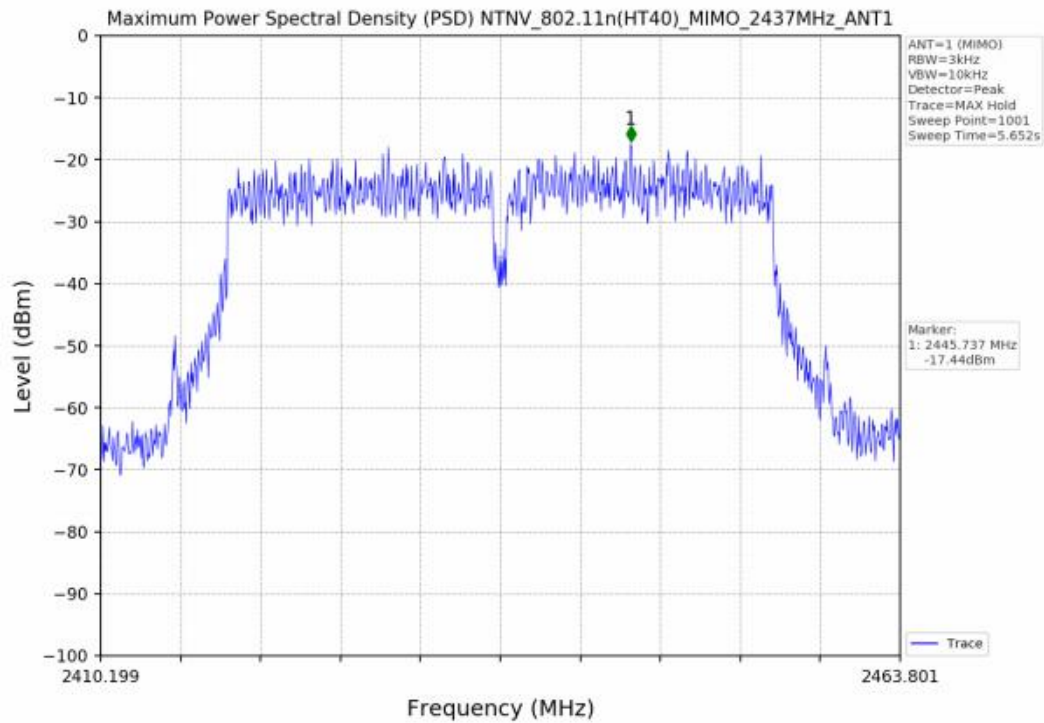


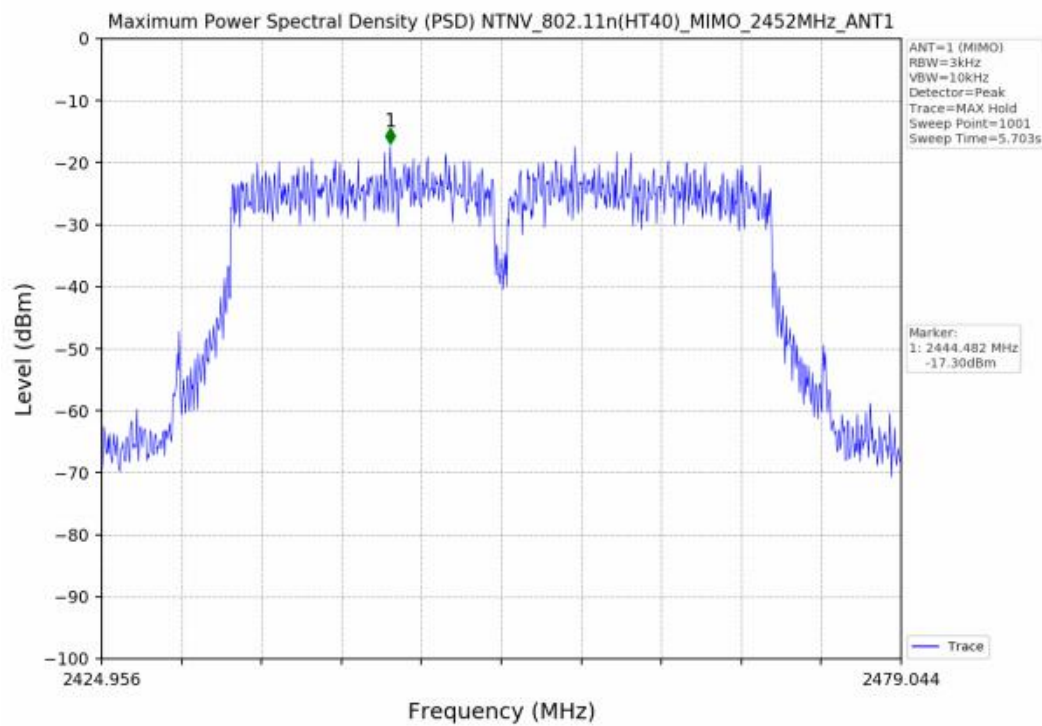
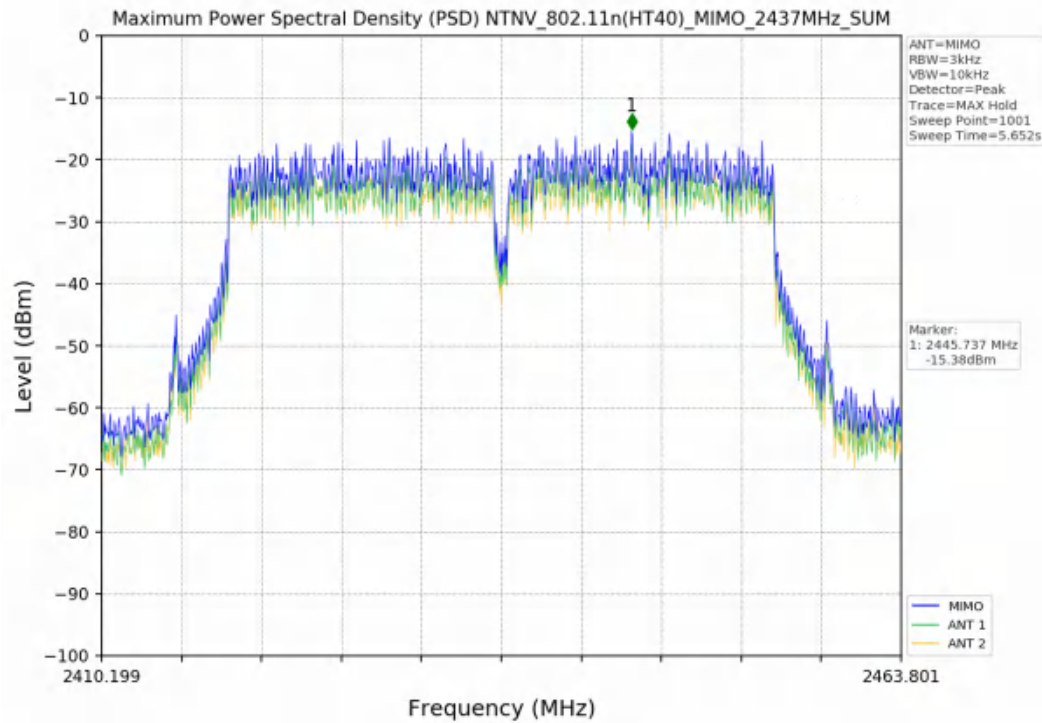


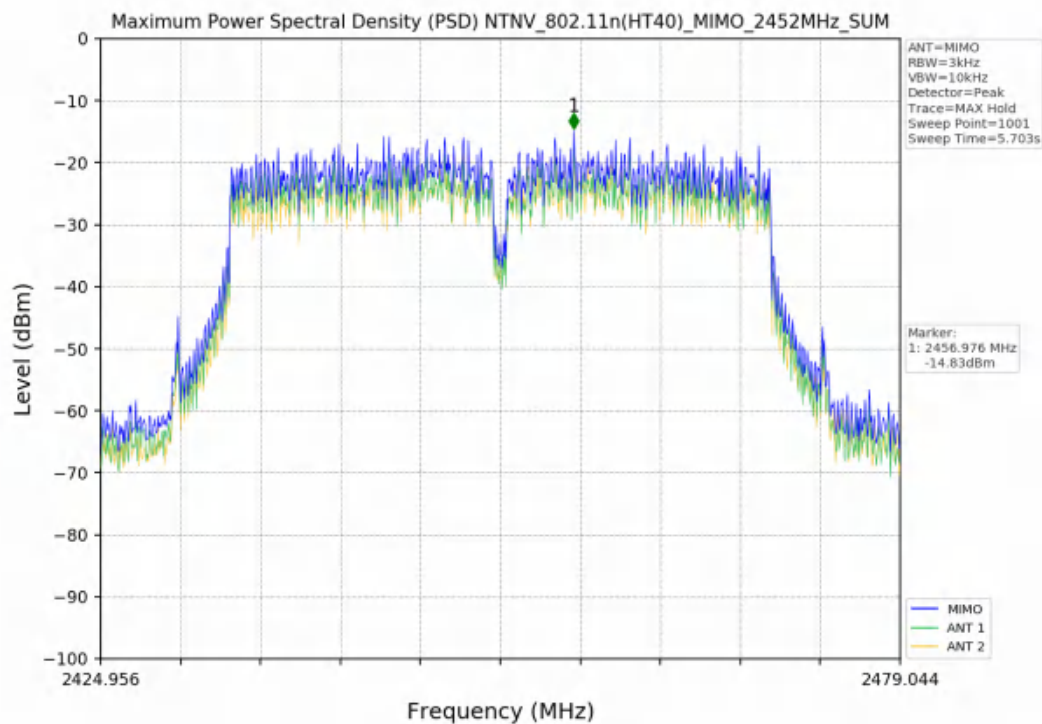
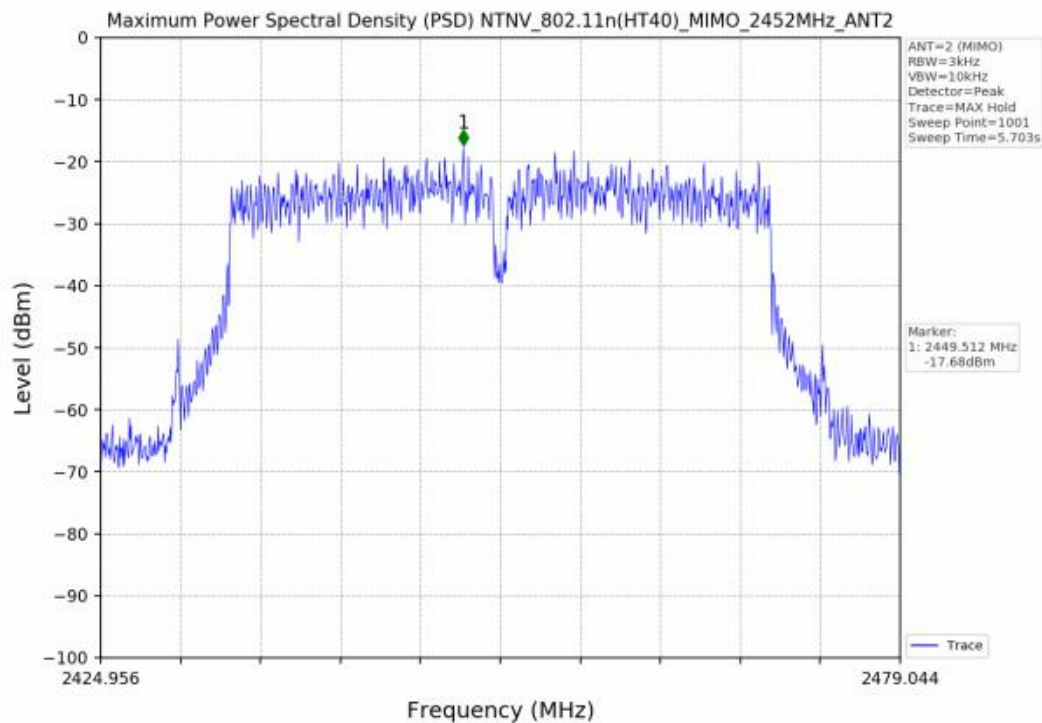










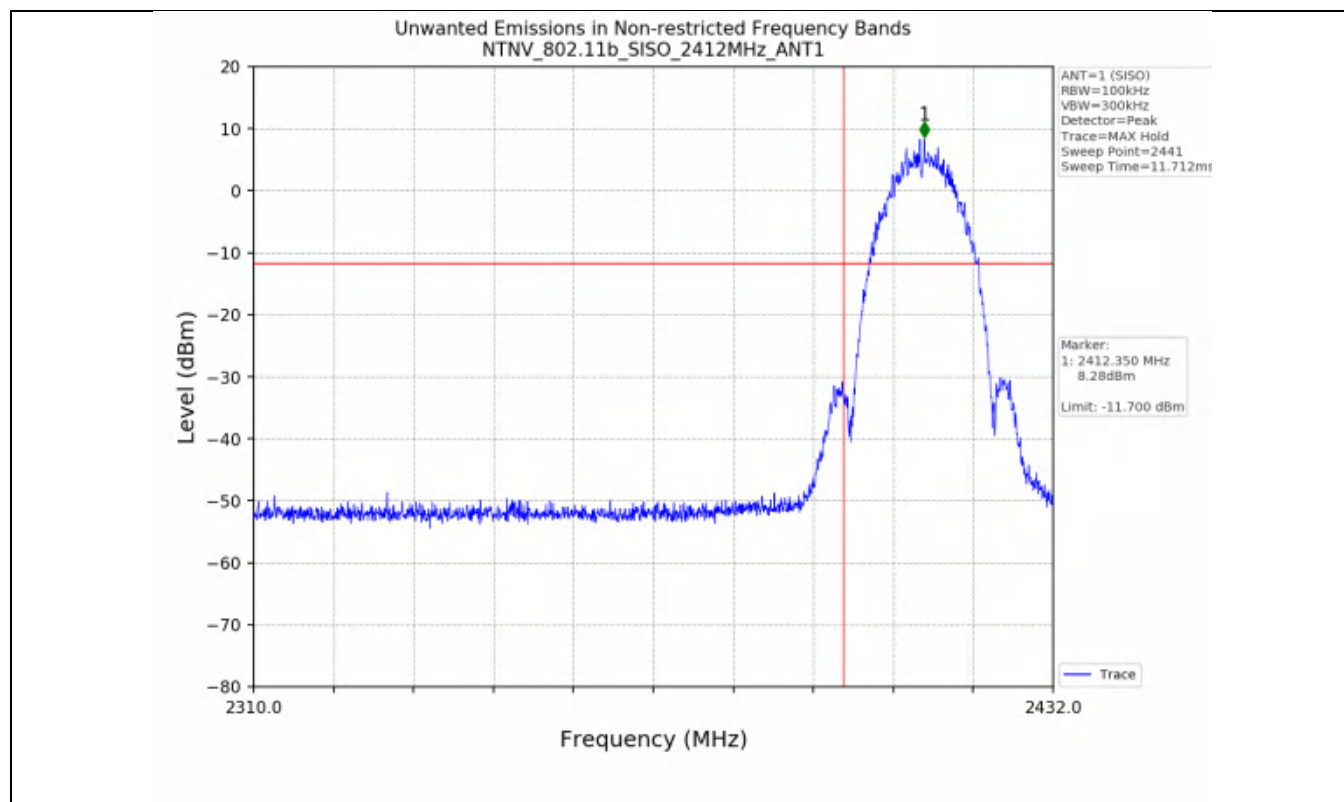
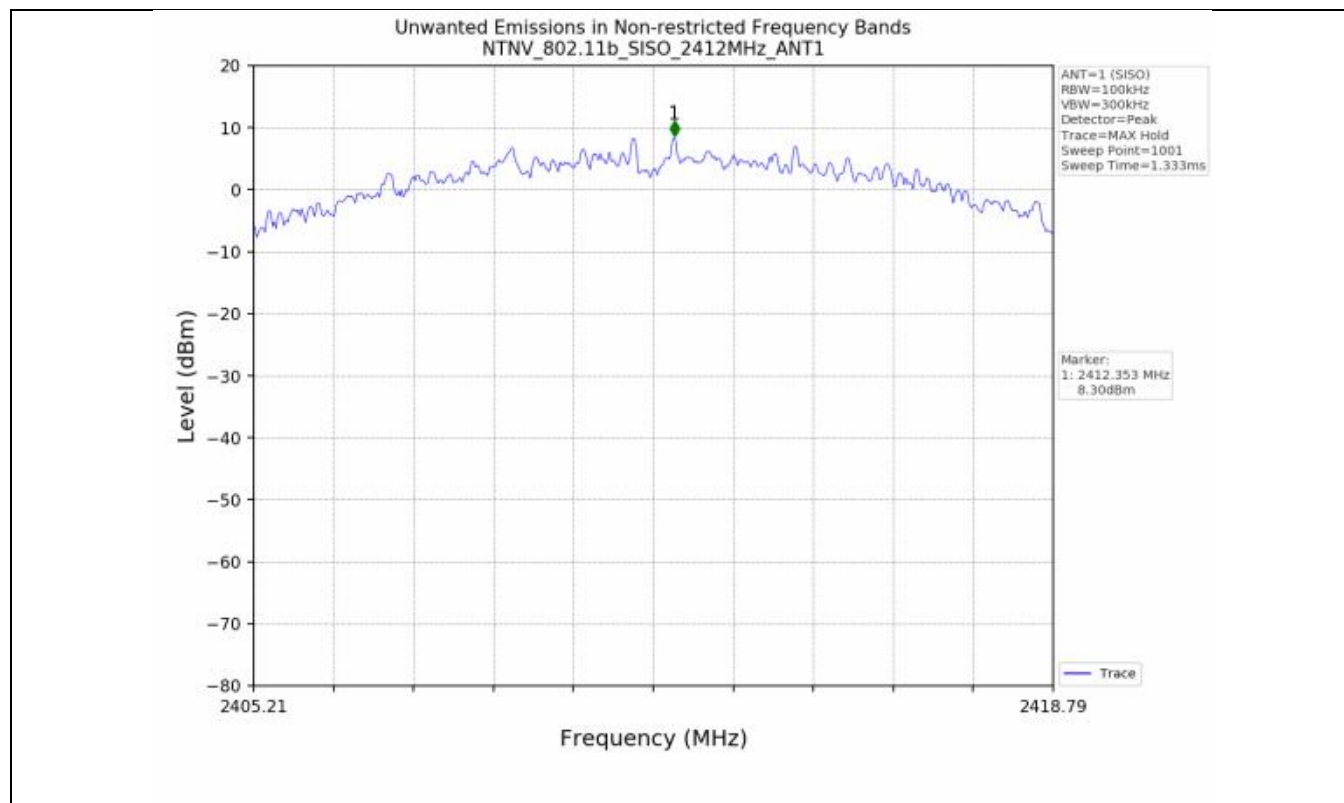


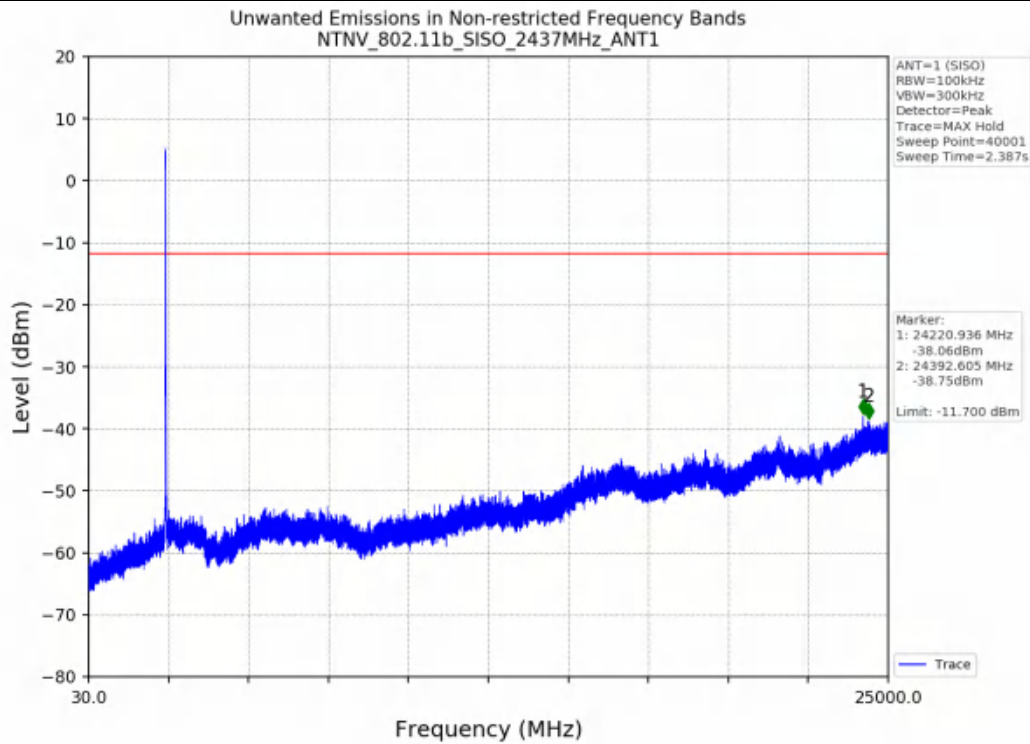
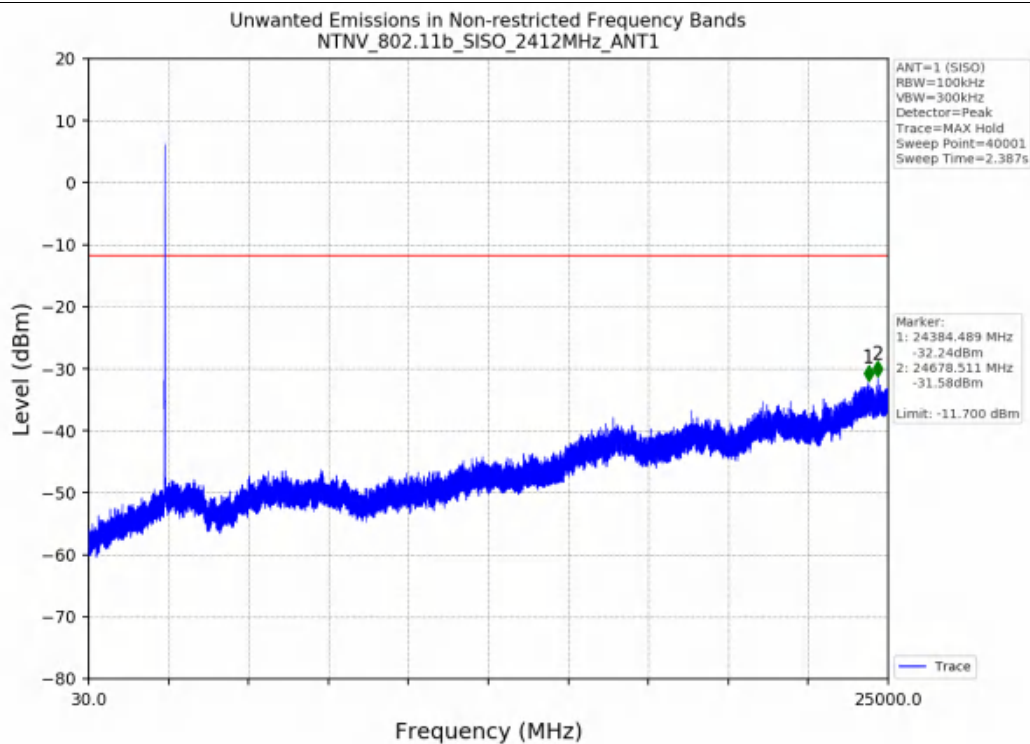
4. Unwanted Emissions in Non-restricted Frequency Bands

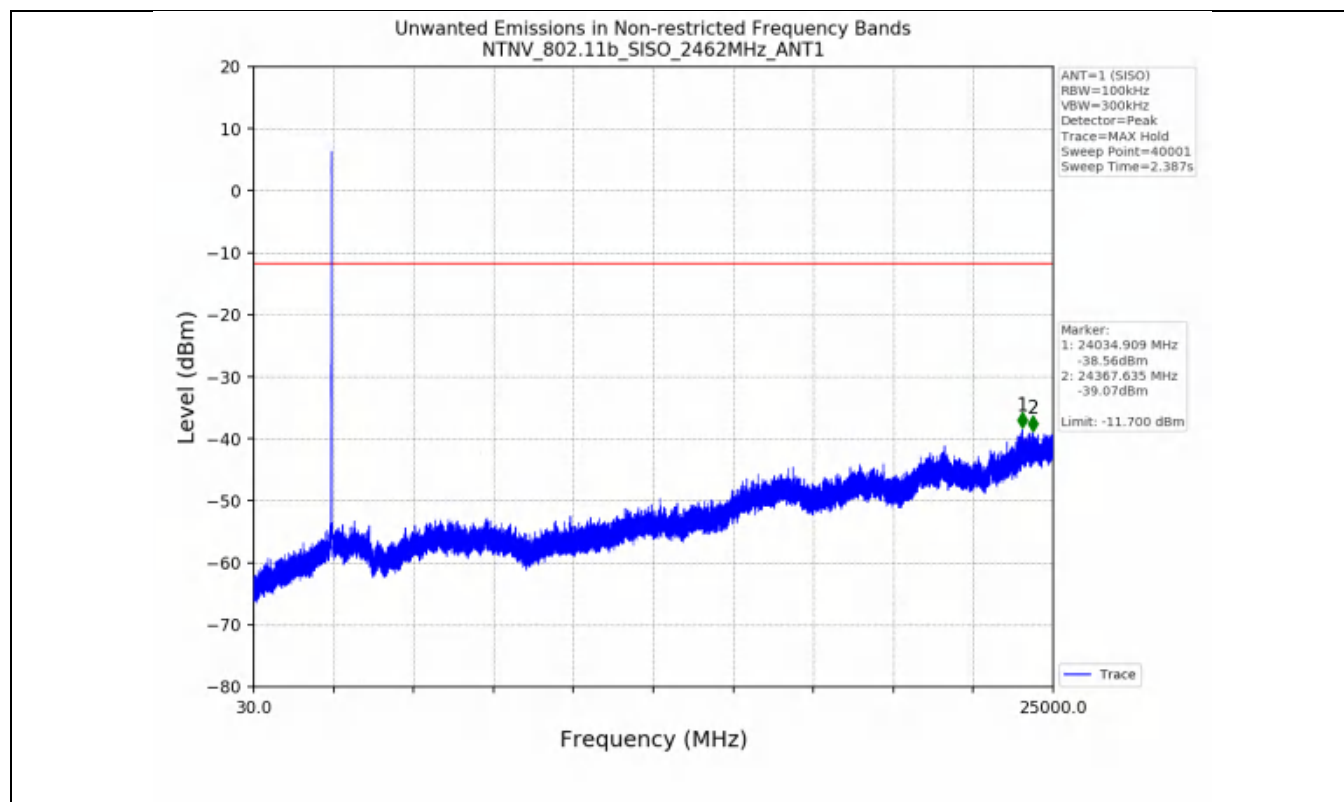
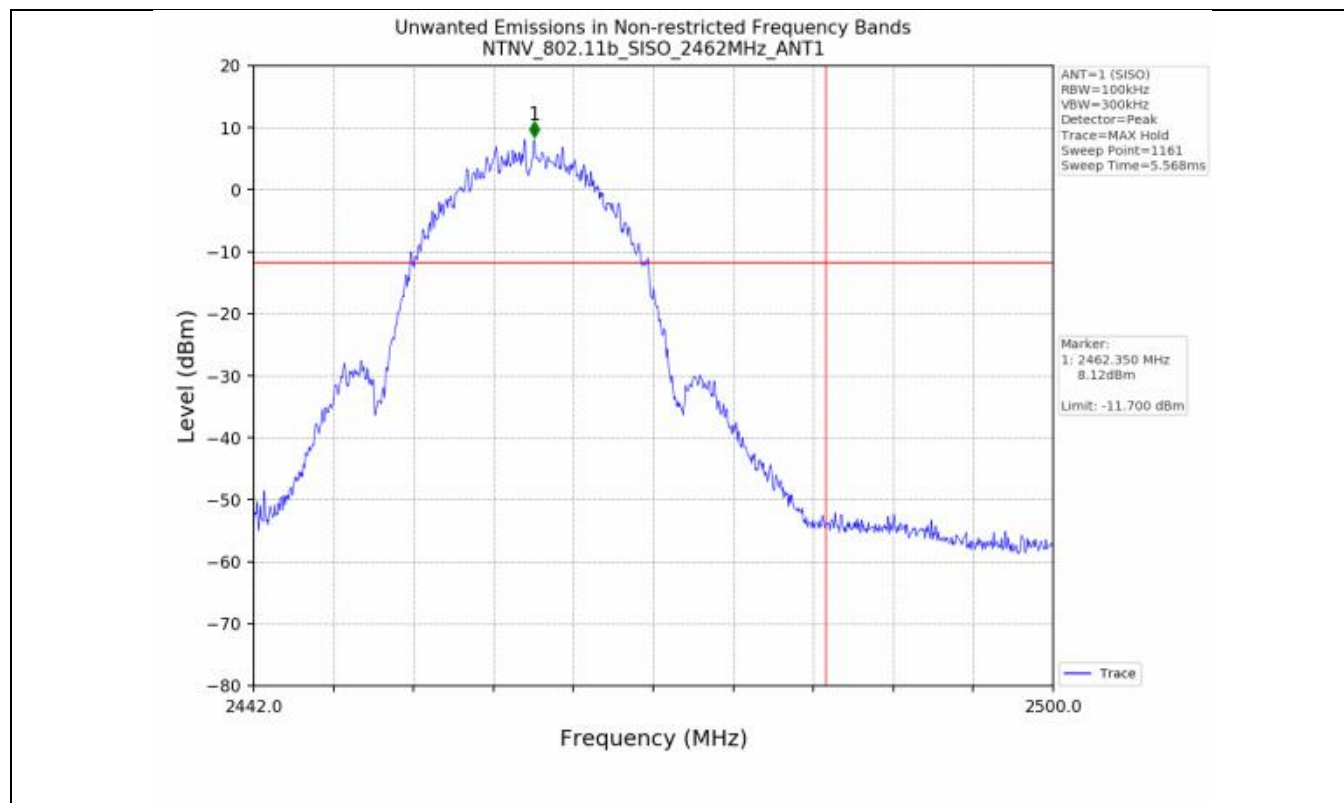
4.1 Test Result

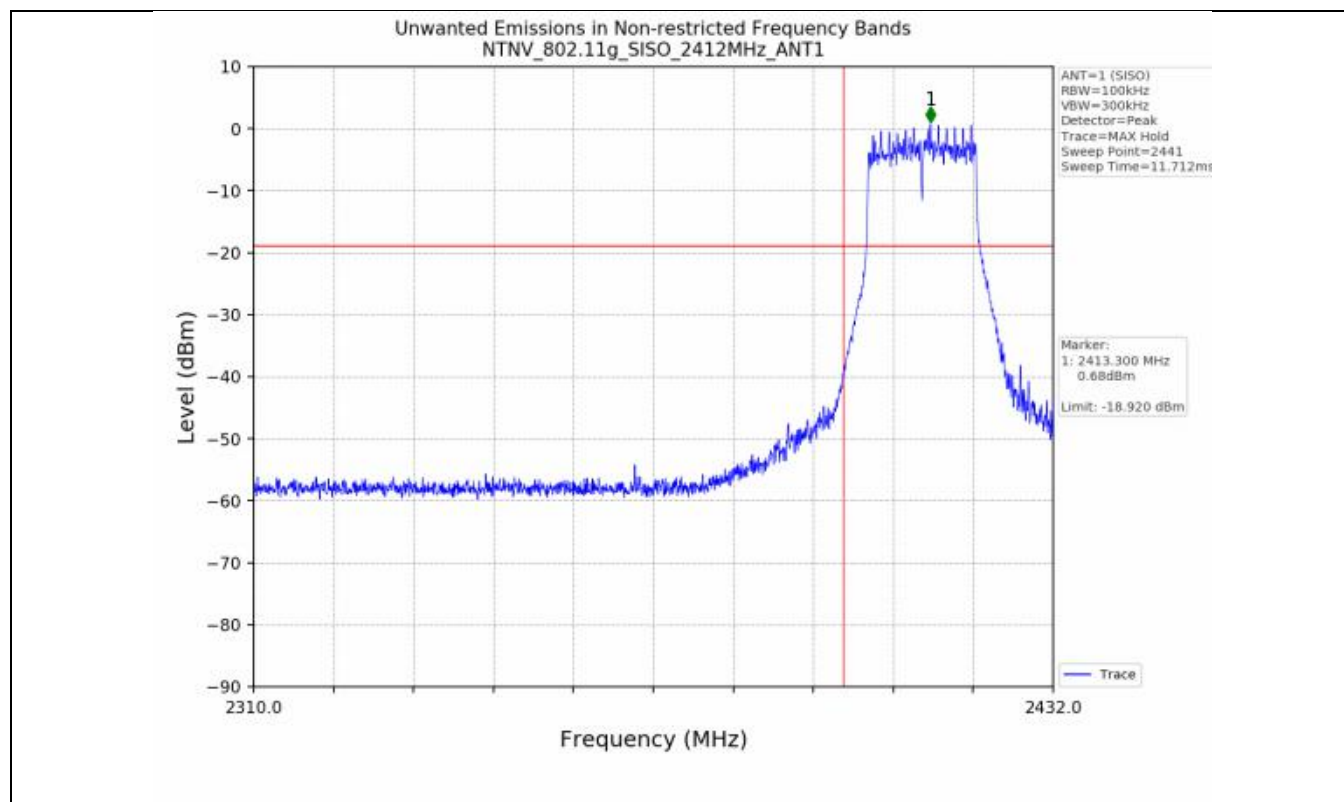
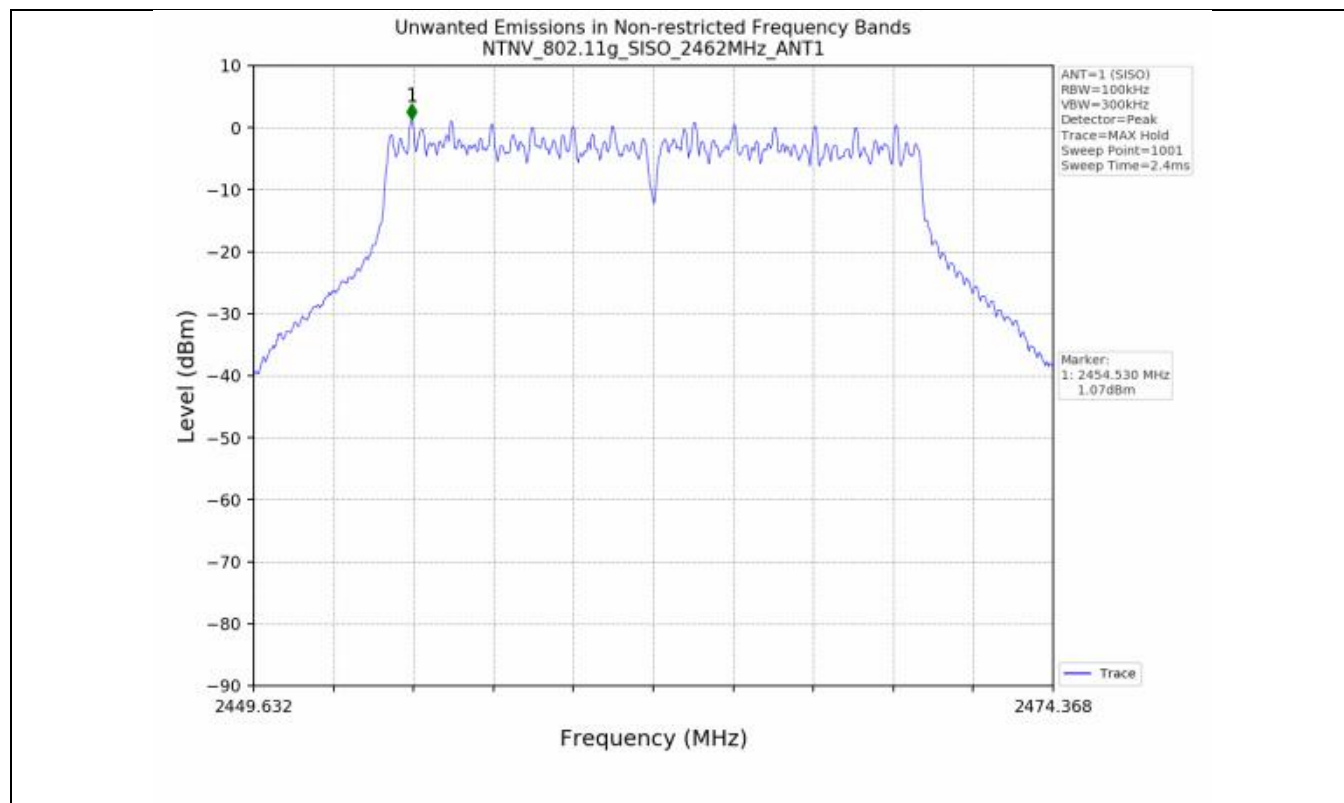
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-11.70	PASS
	2437	SISO	1	Refer to test graph	-11.70	PASS
	2462	SISO	1	Refer to test graph	-11.70	PASS
802.11g	2412	SISO	1	Refer to test graph	-18.92	PASS
	2437	SISO	1	Refer to test graph	-18.92	PASS
	2462	SISO	1	Refer to test graph	-18.92	PASS
802.11n(HT20)	2412	MIMO	MIMO	Refer to test graph	-17.70	PASS
	2437	MIMO	MIMO	Refer to test graph	-17.70	PASS
	2462	MIMO	MIMO	Refer to test graph	-17.70	PASS
802.11n(HT40)	2422	MIMO	MIMO	Refer to test graph	-21.81	PASS
	2437	MIMO	MIMO	Refer to test graph	-21.81	PASS
	2452	MIMO	MIMO	Refer to test graph	-21.81	PASS

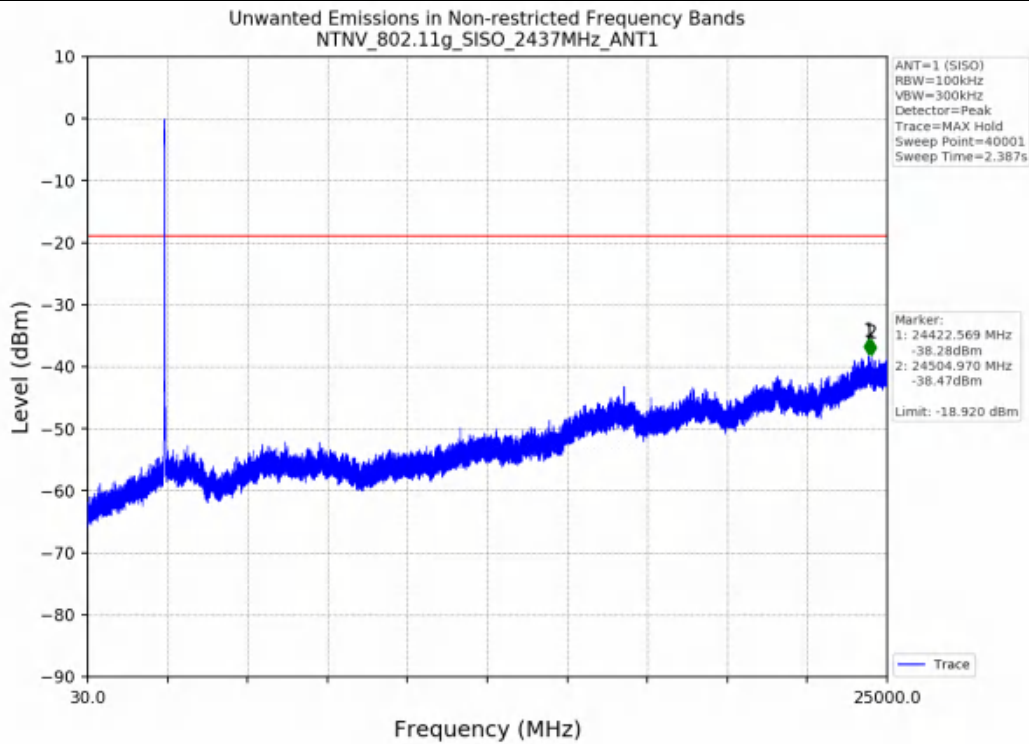
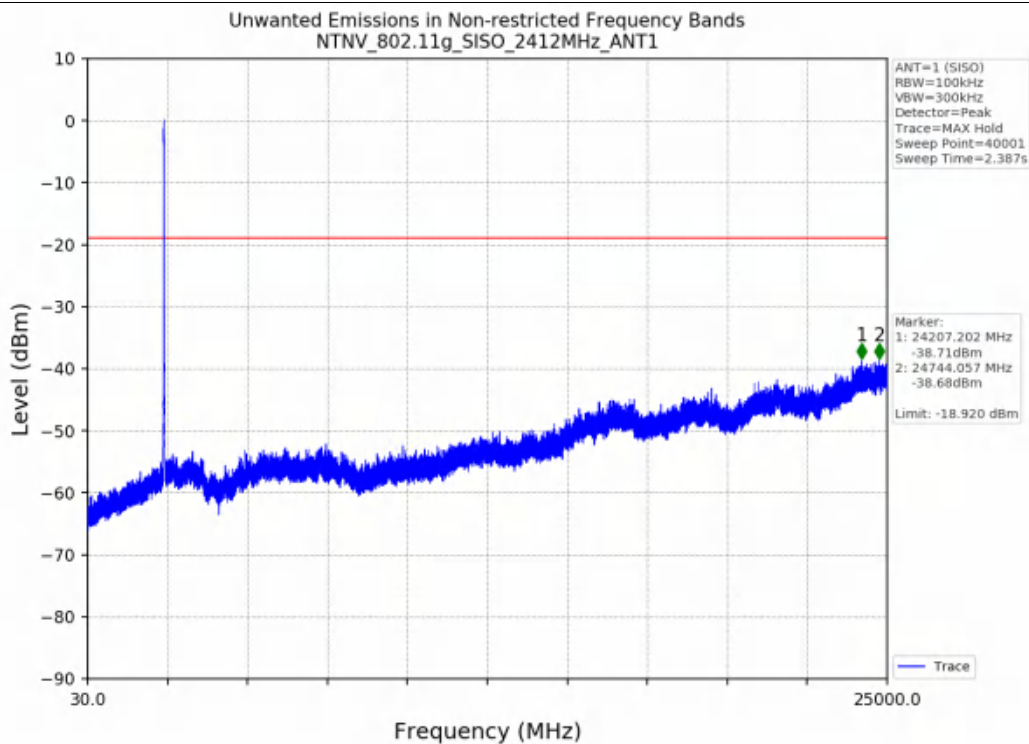
4.2 Test Graph

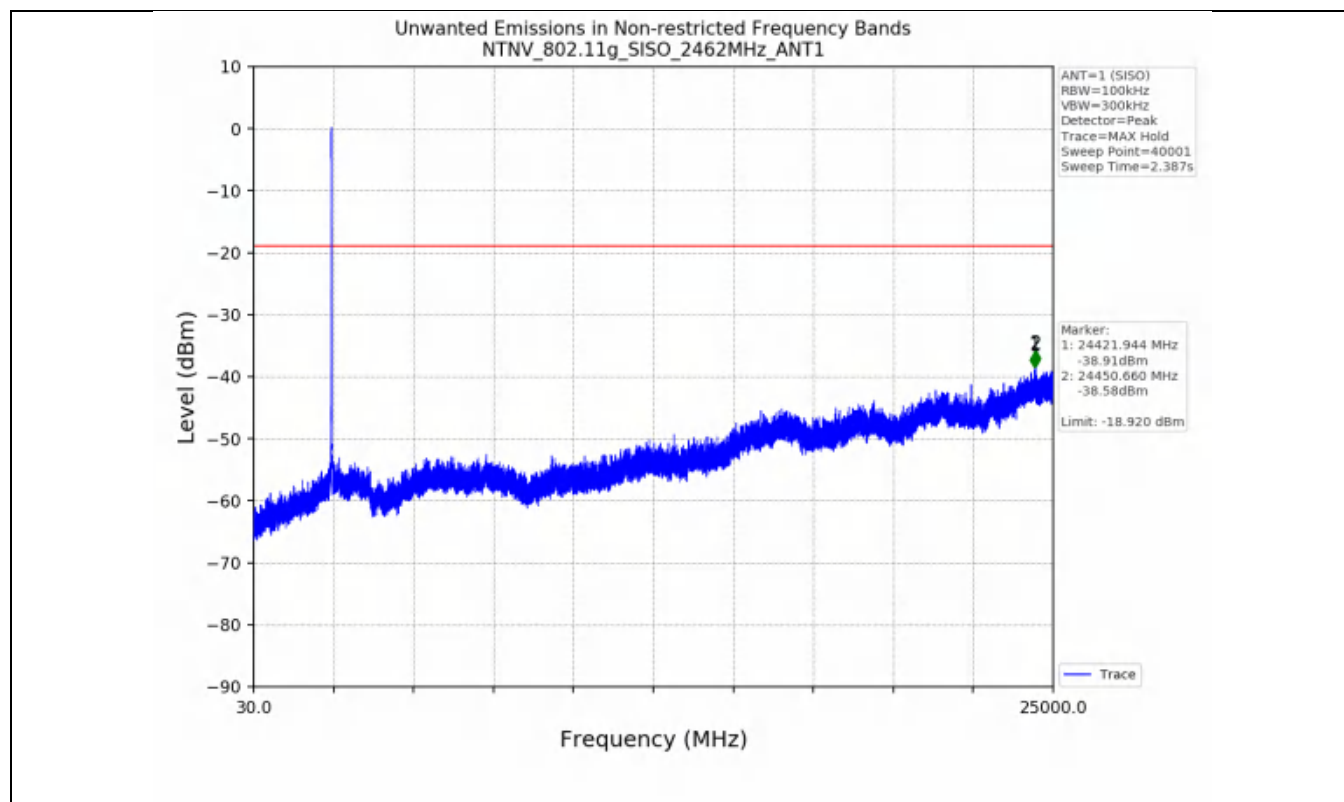
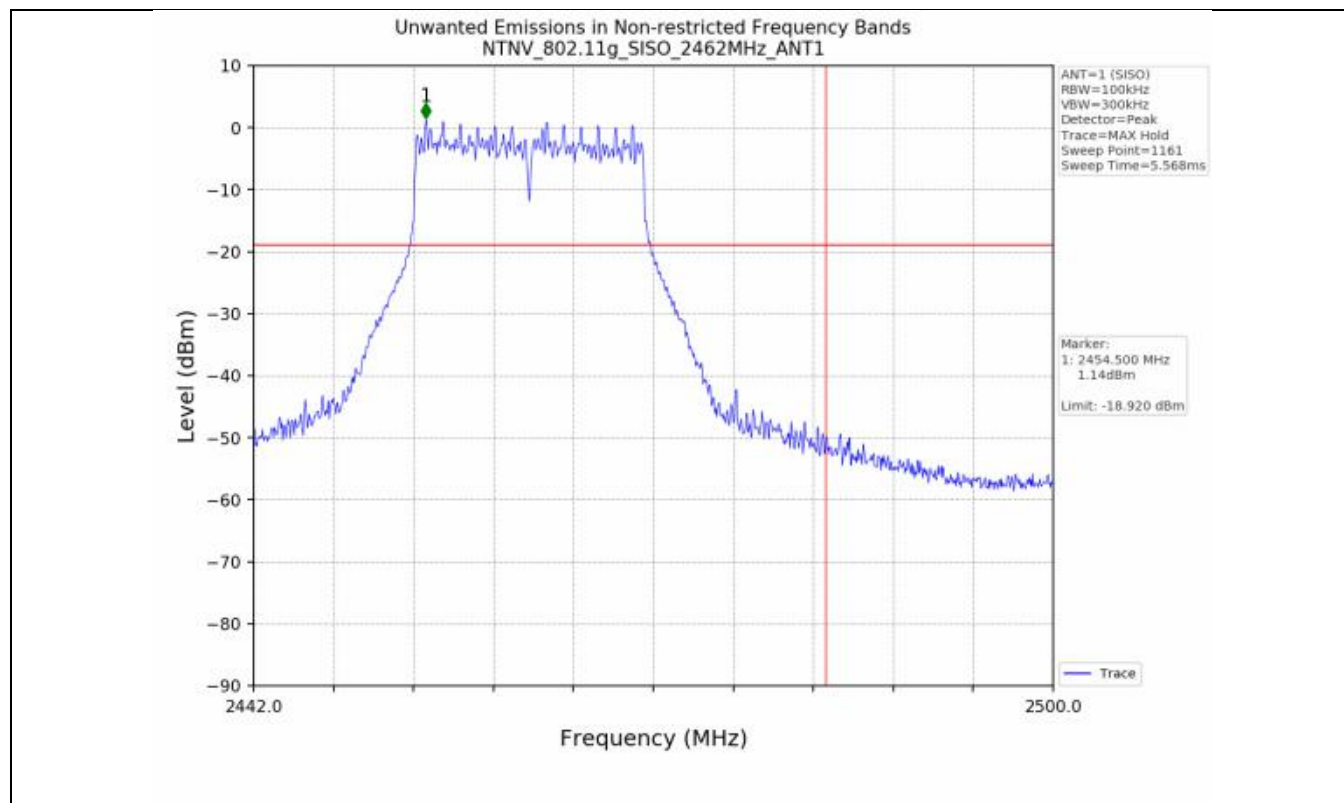


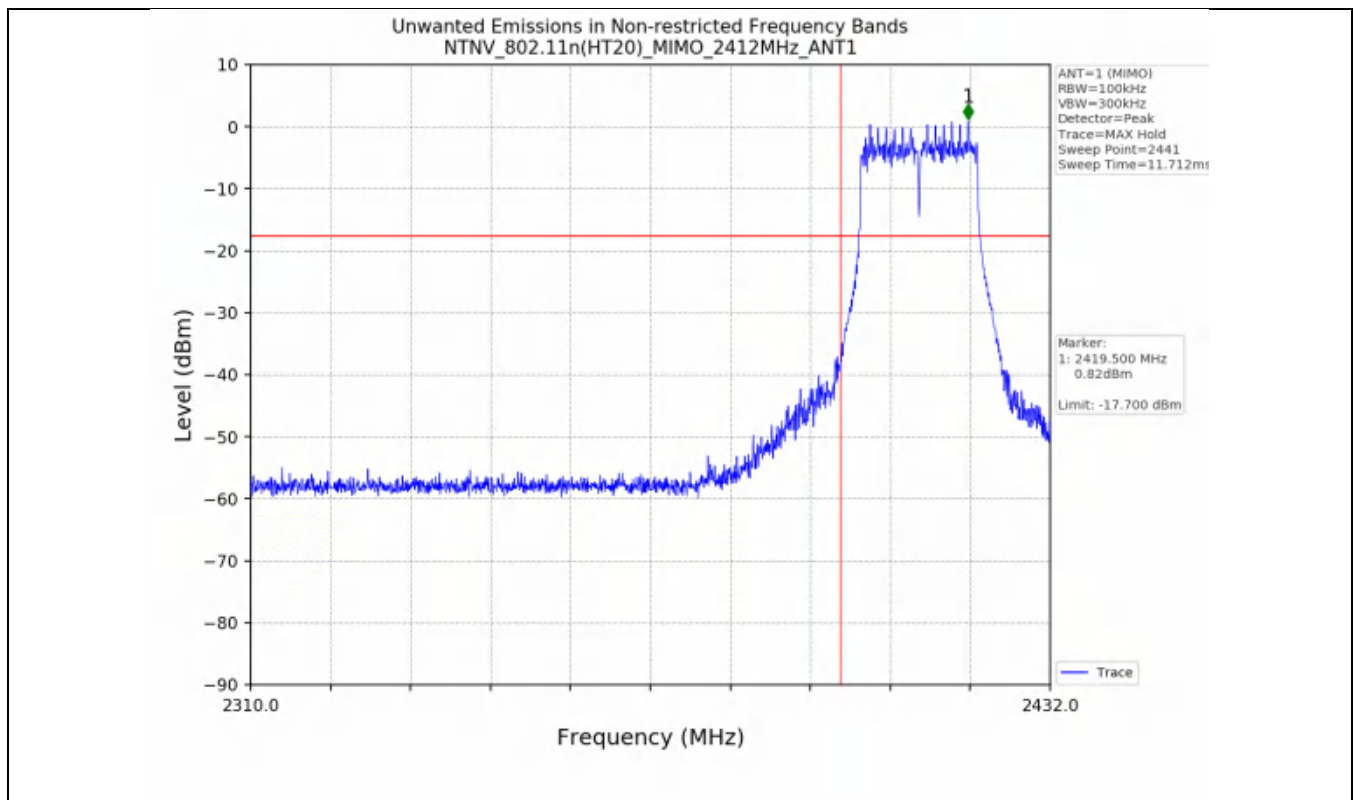
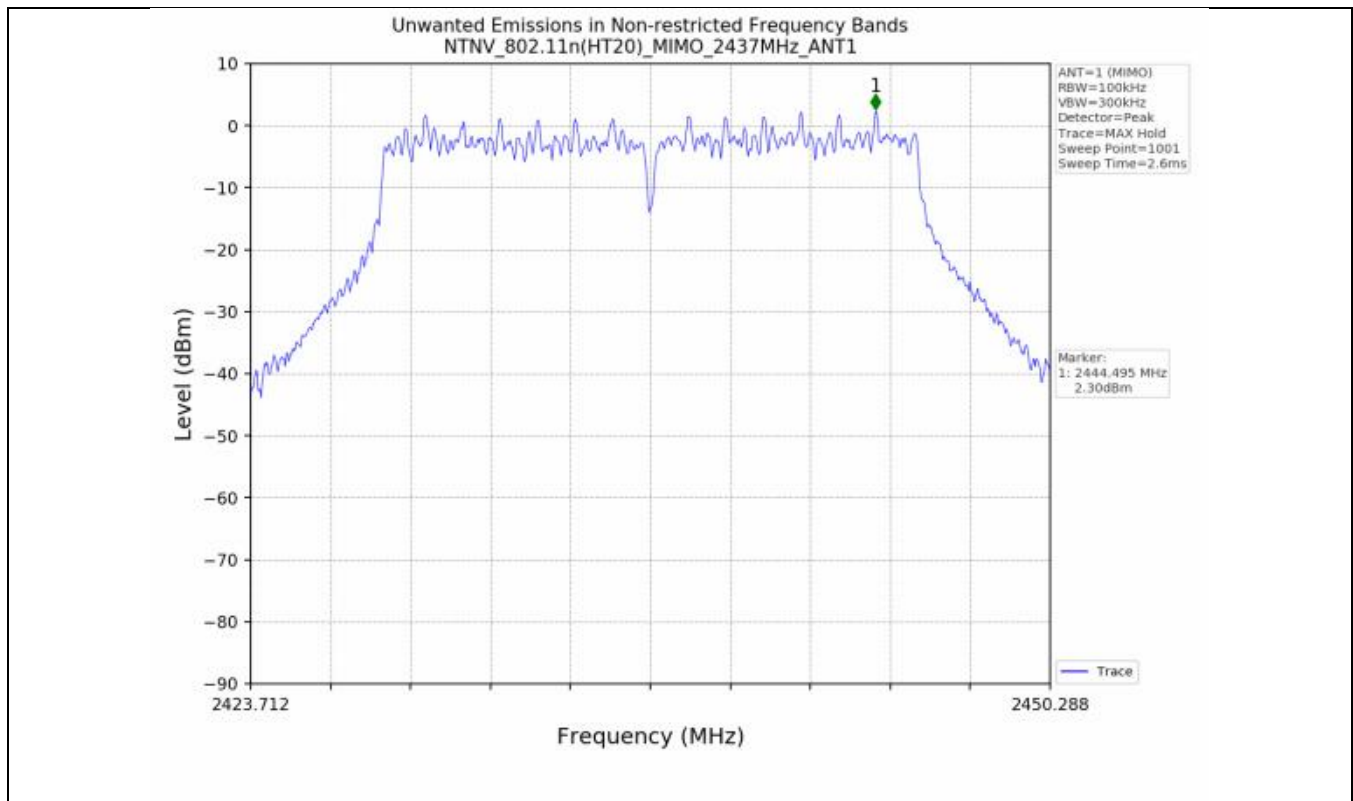


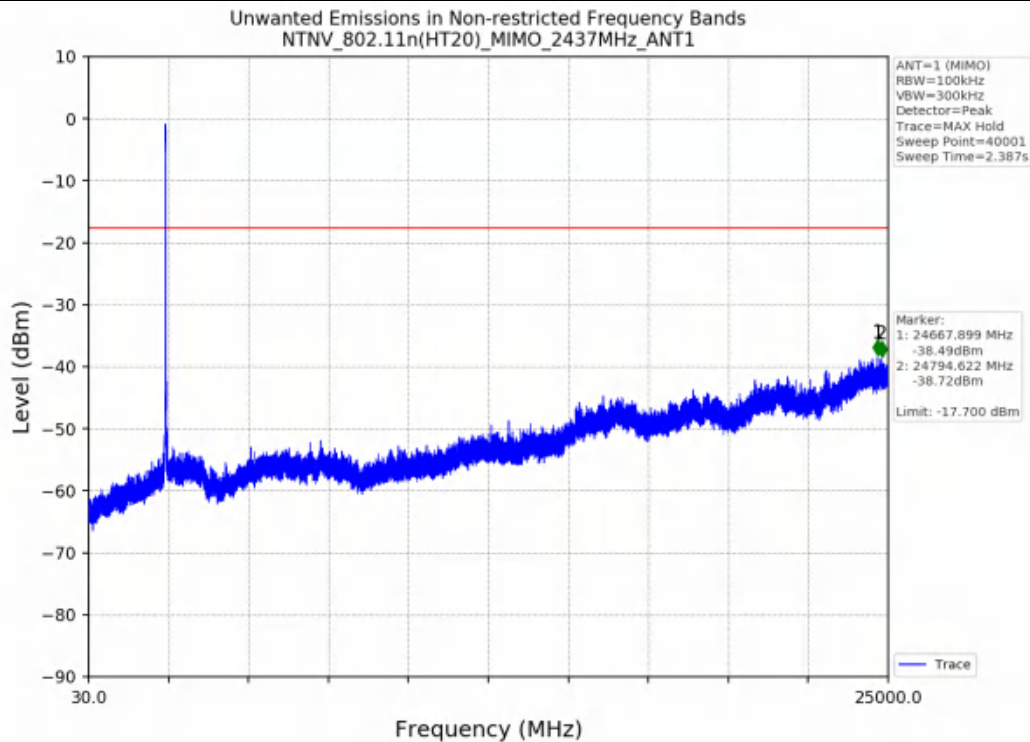
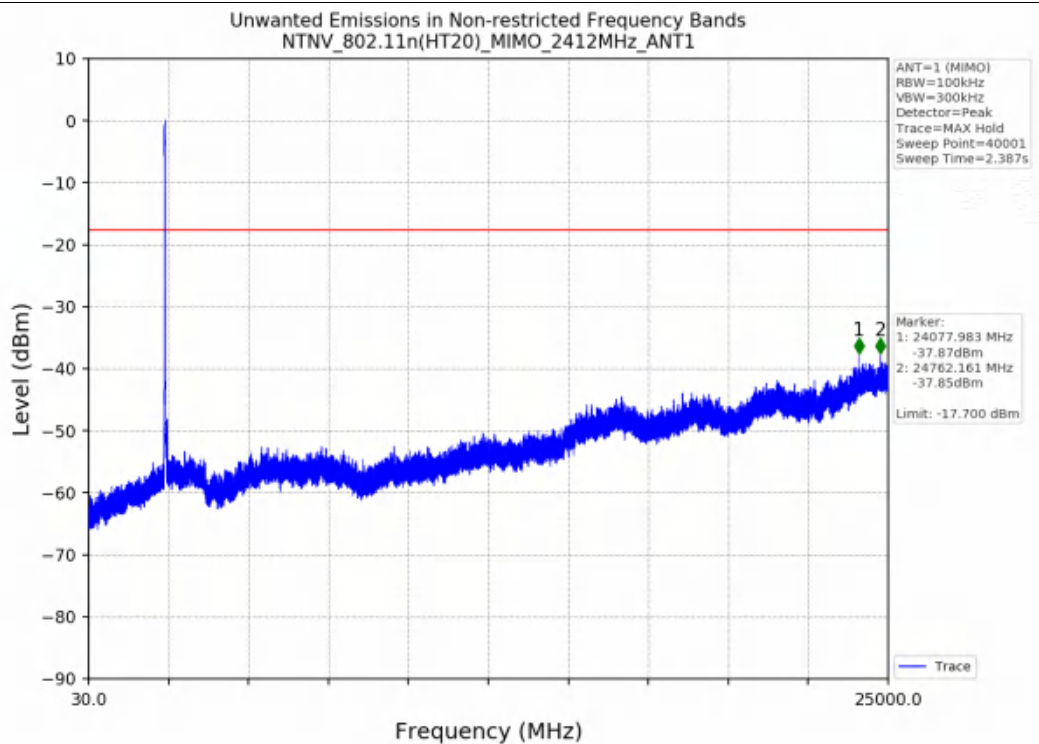


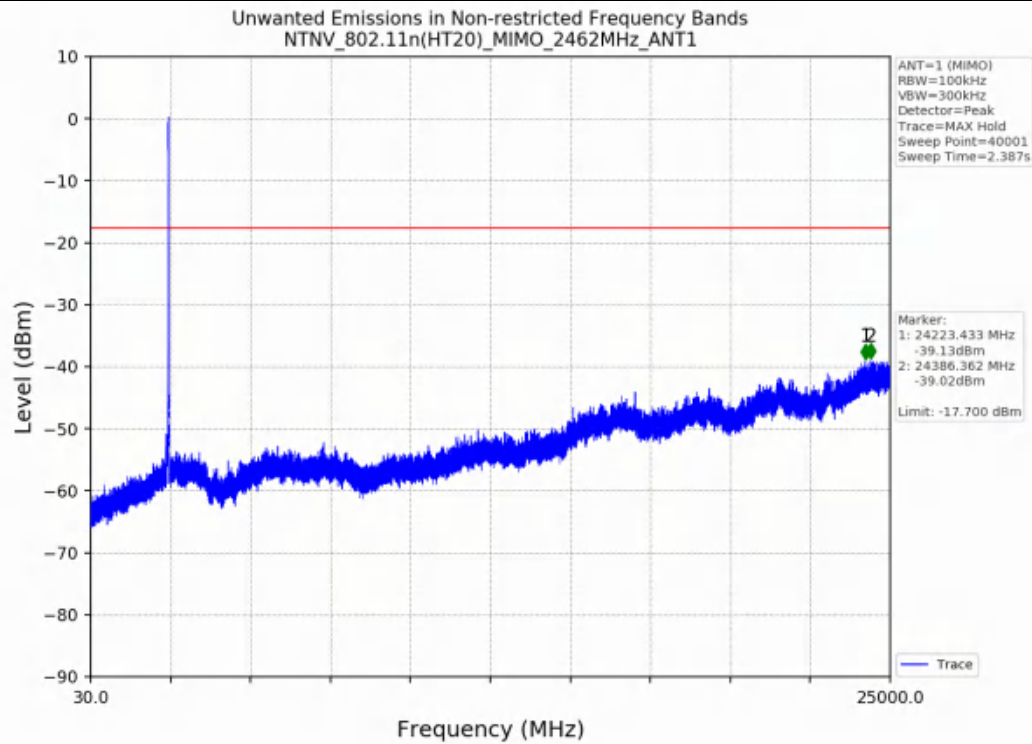
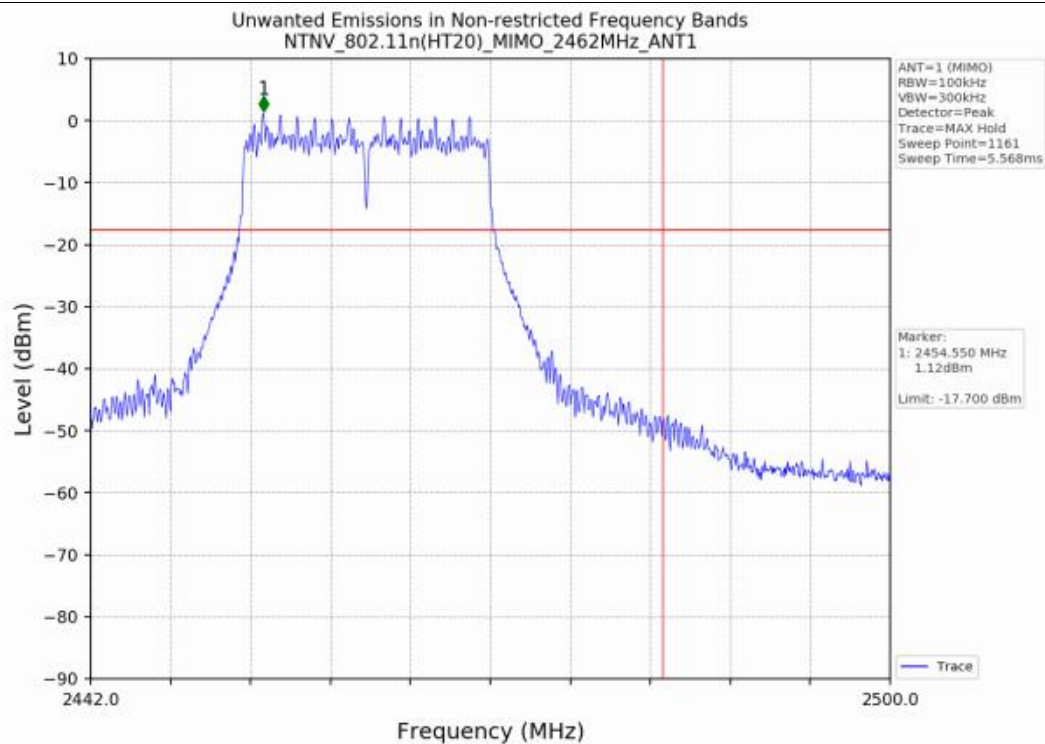


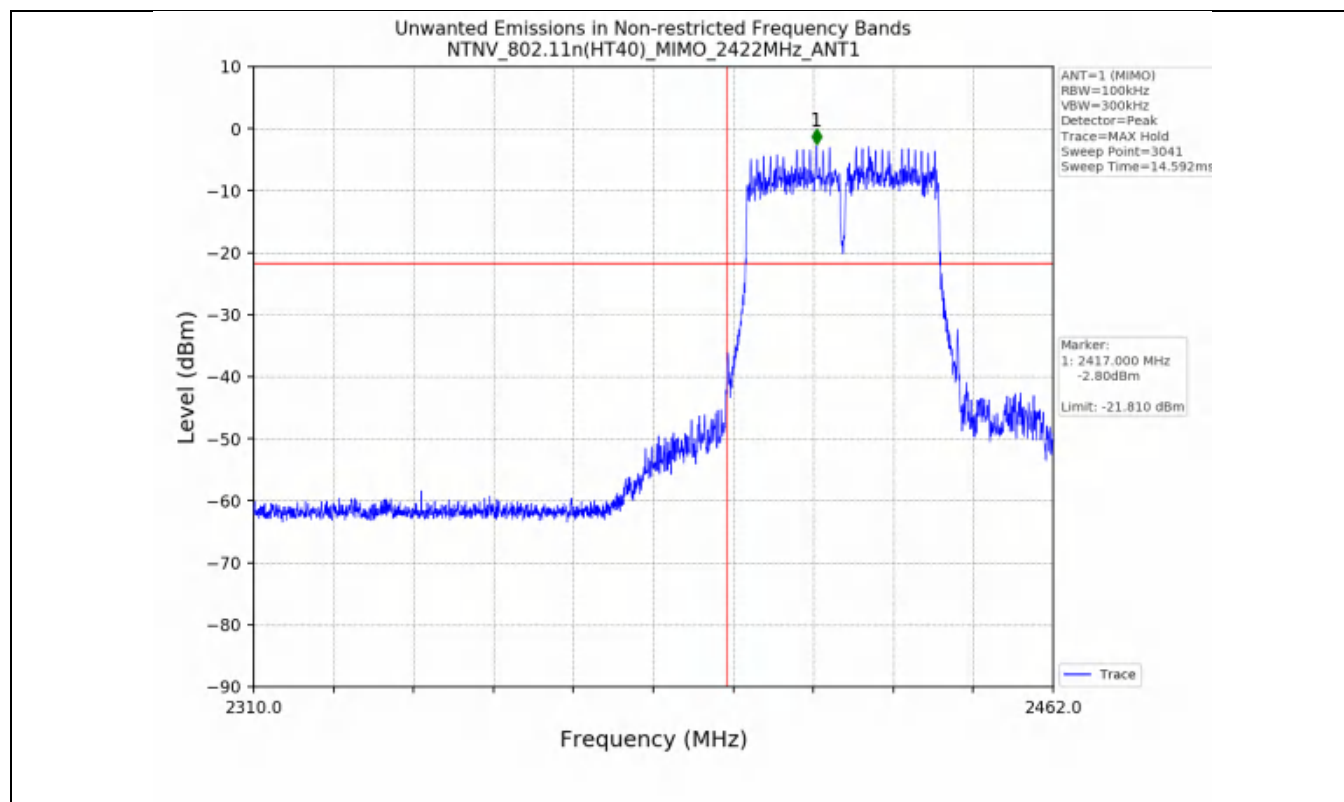
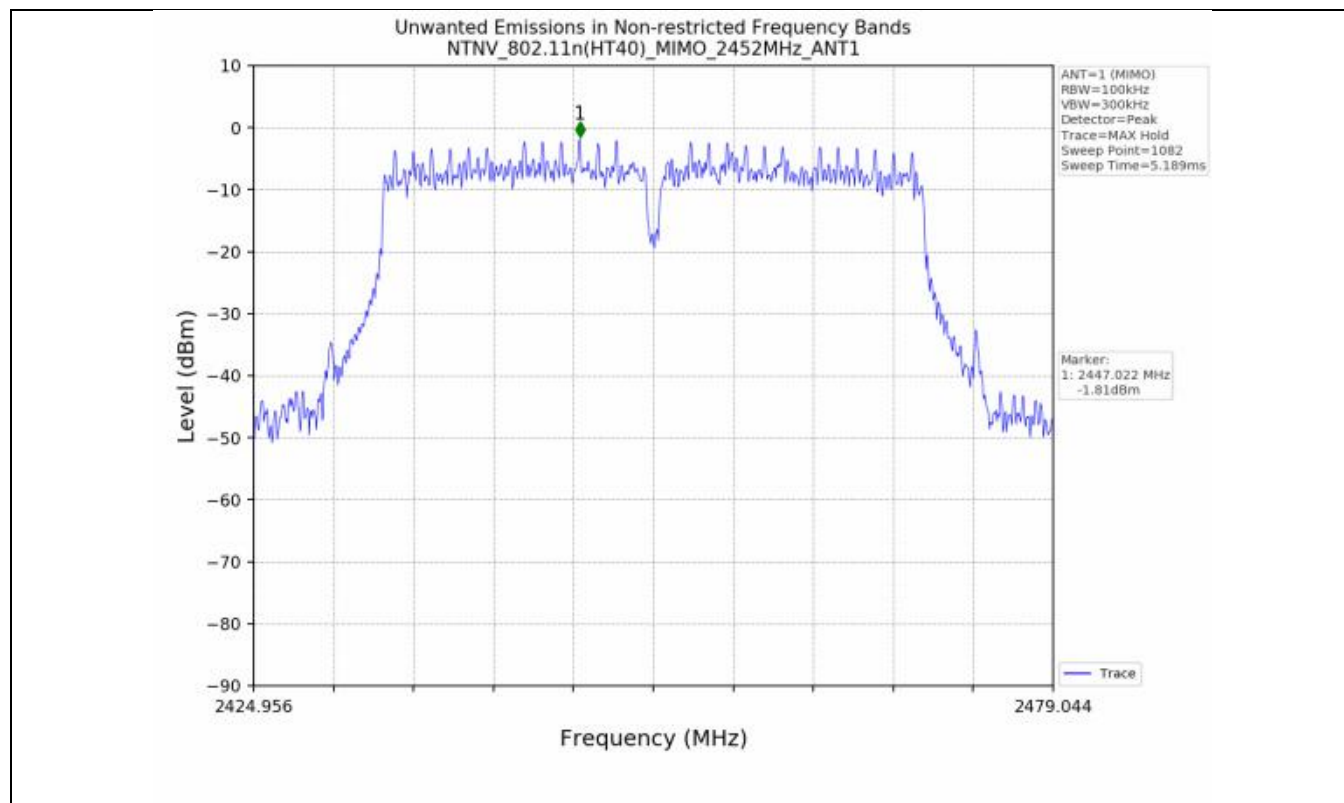


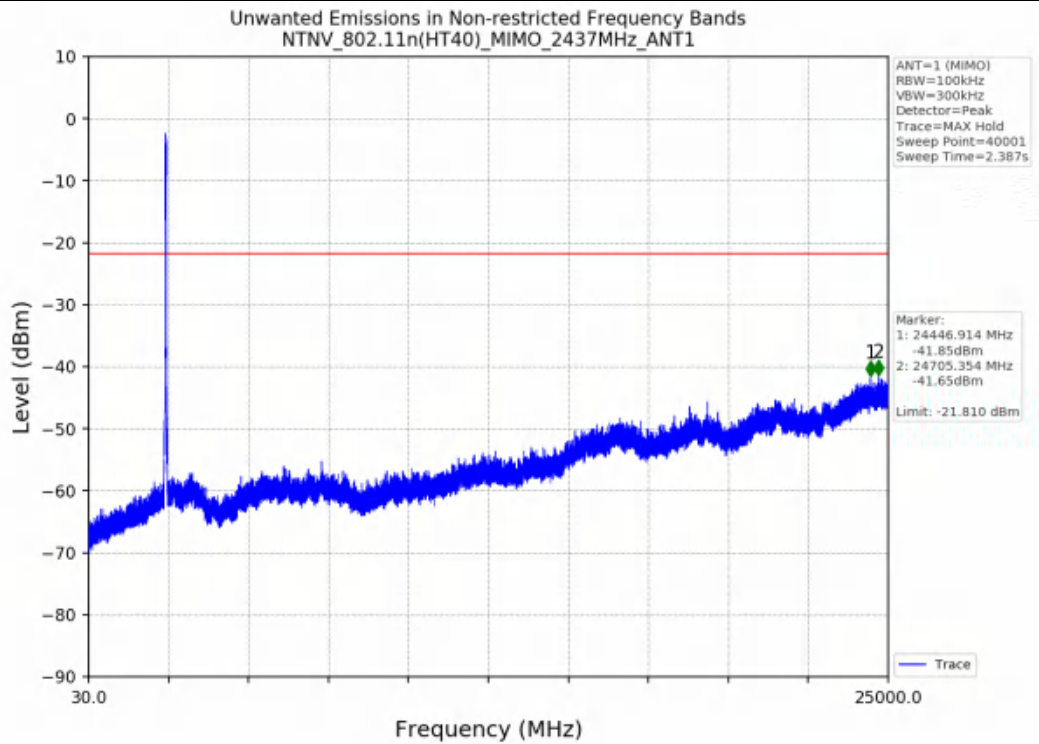
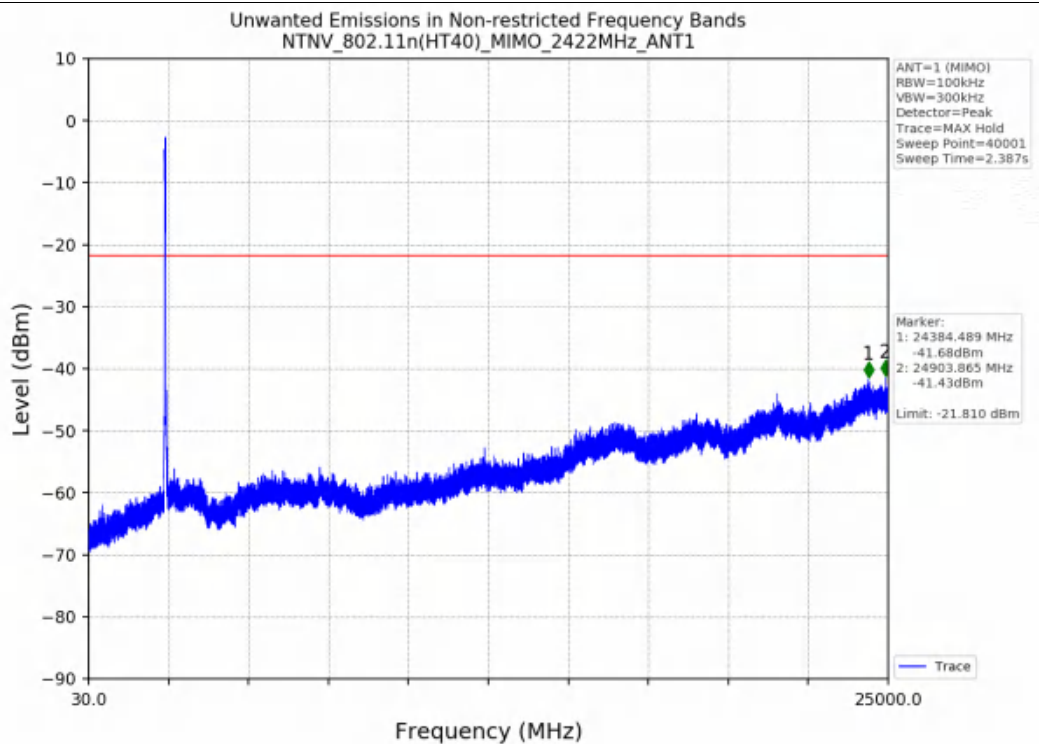


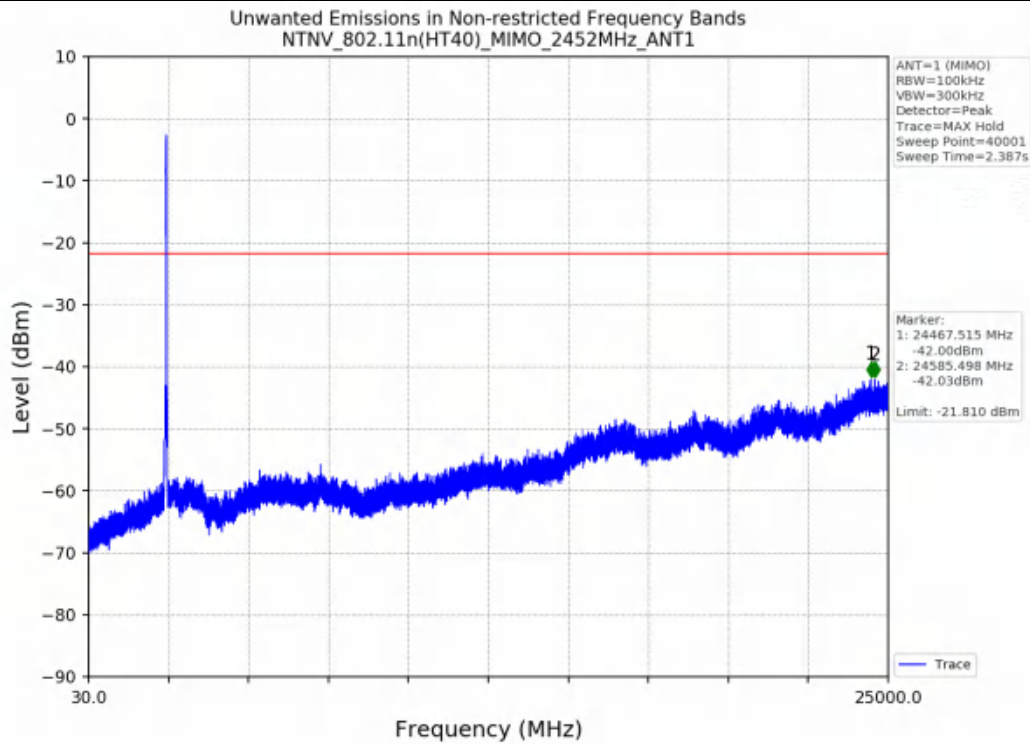
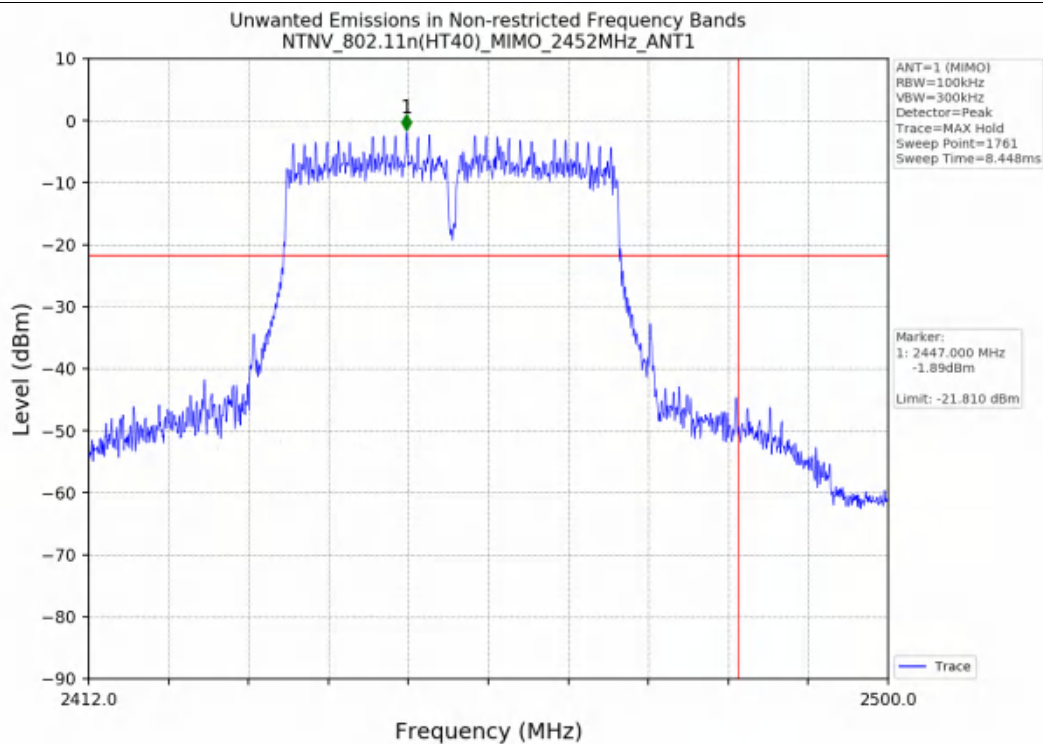












5. Frequency Error

5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
802.11b	2412	SISO	1	2412.06	2400-2483.5	PASS
	2437	SISO	1	2437.36	2400-2483.5	PASS
	2462	SISO	1	2461.68	2400-2483.5	PASS
802.11n(HT40)	2422	MIMO	1	2422.04	2400-2483.5	PASS
	2437	MIMO	1	2437.04	2400-2483.5	PASS
	2452	MIMO	1	2452.00	2400-2483.5	PASS

5.2 Test Graph

