

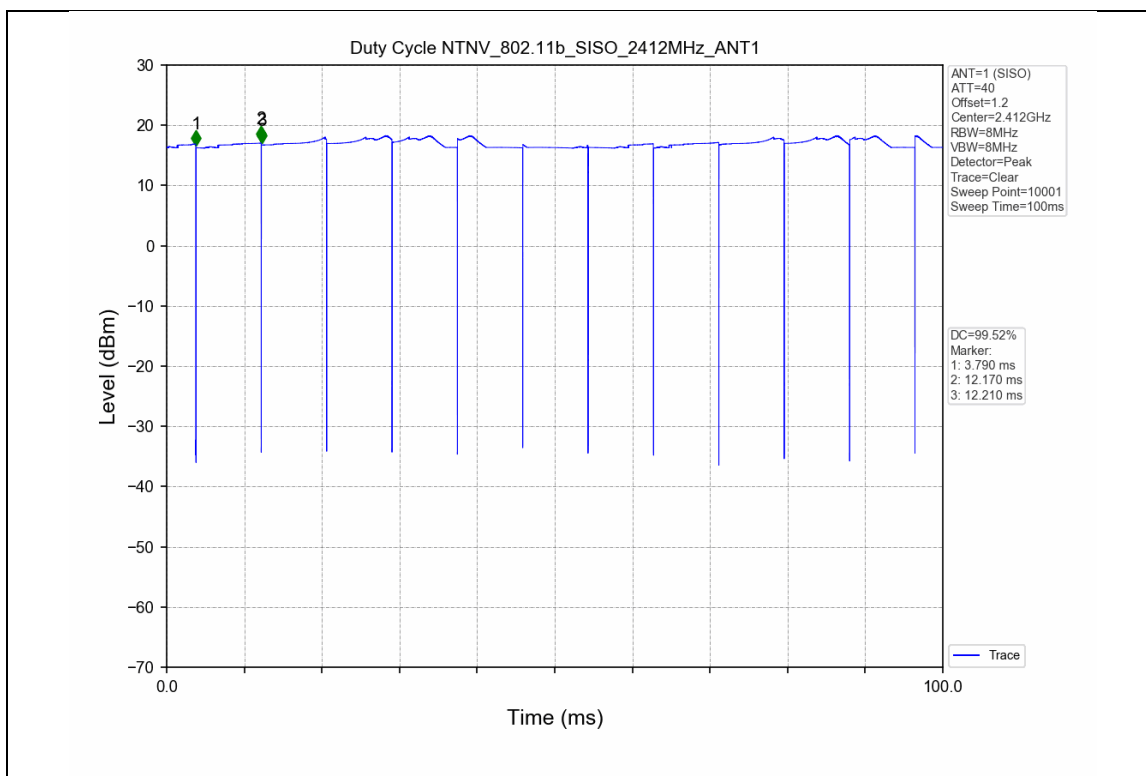
Appendix A for KSEM210700112901

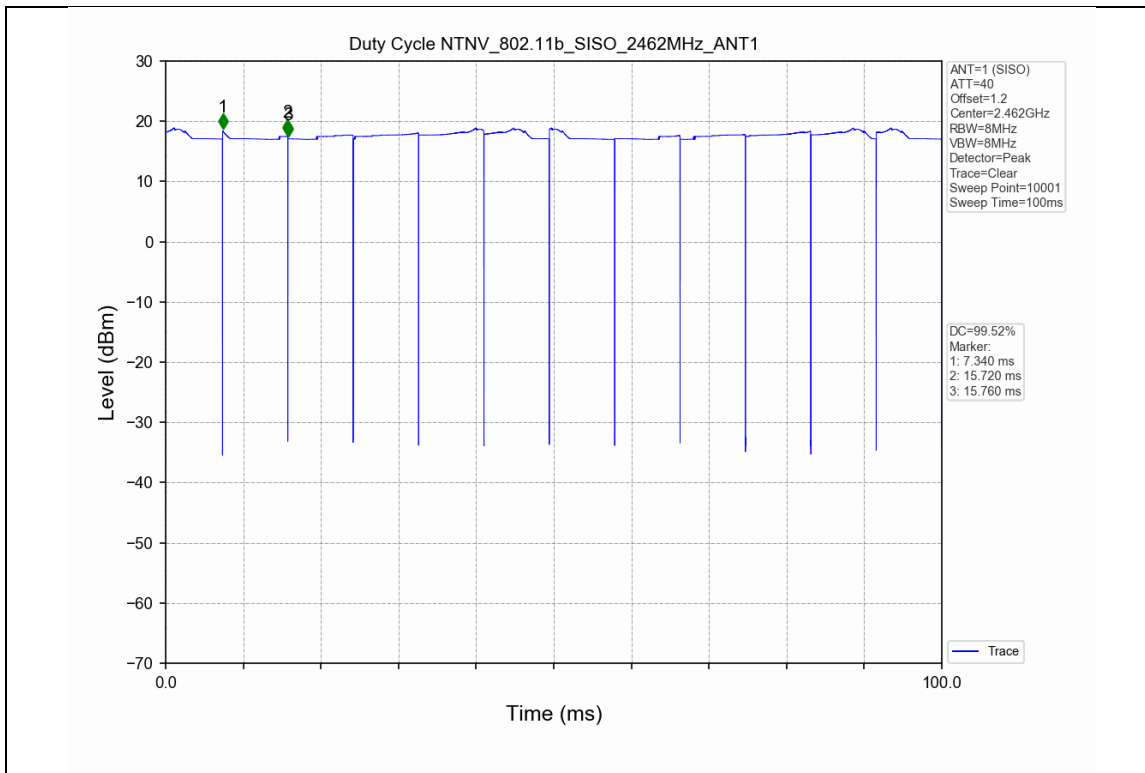
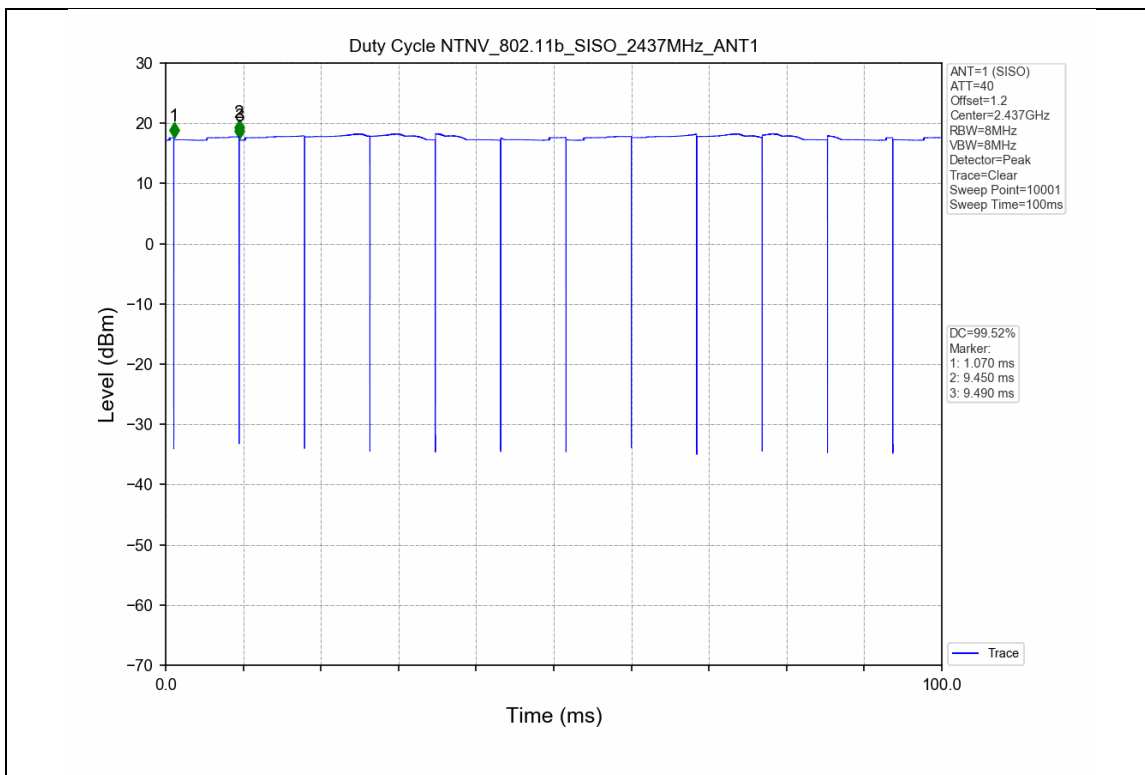
1. Duty Cycle

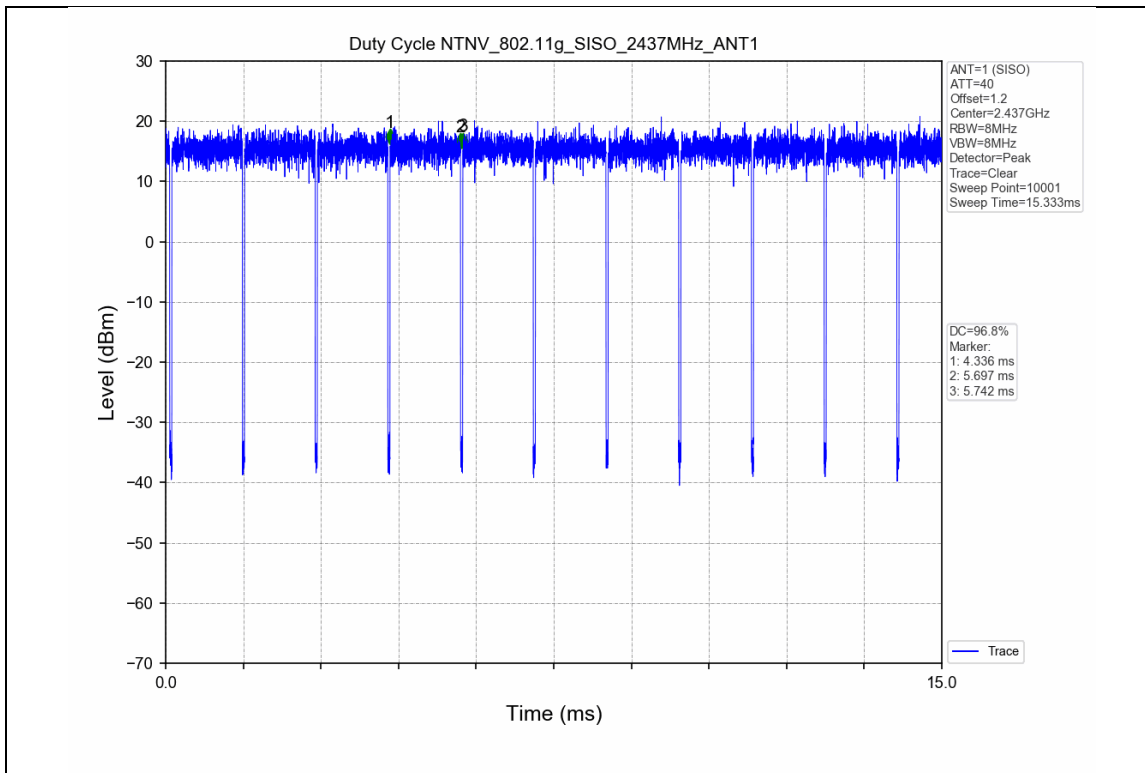
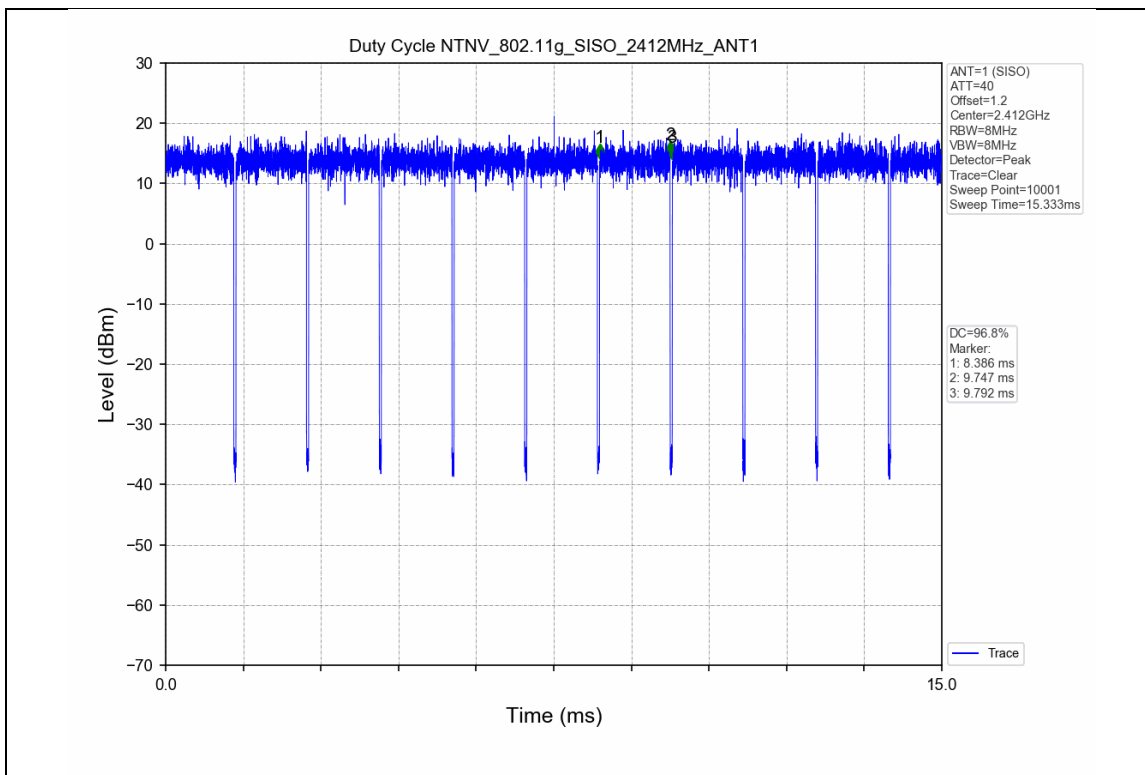
1.1 Test Result

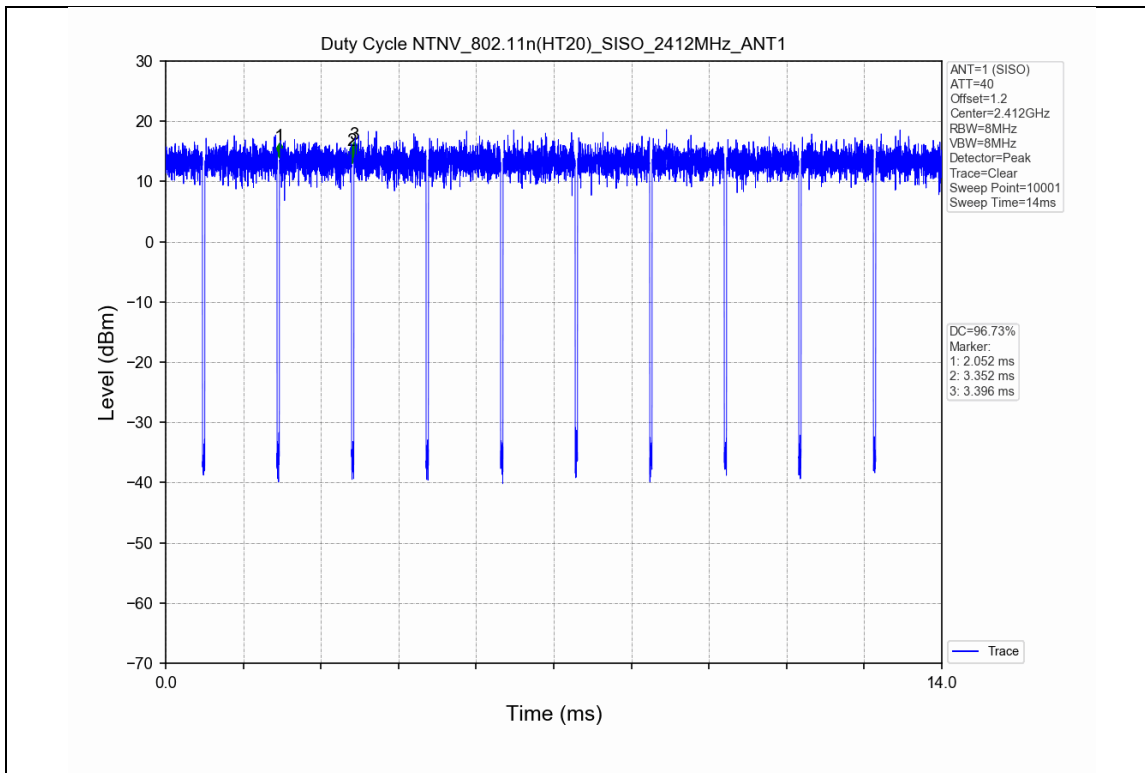
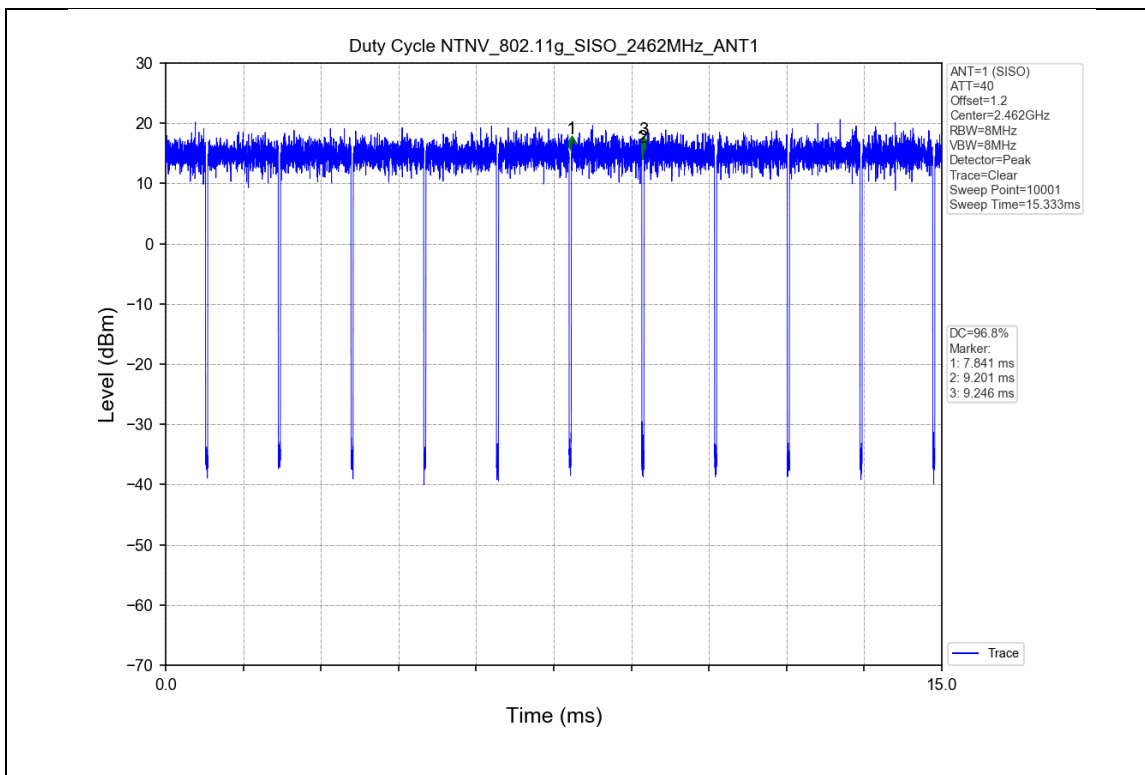
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.420	99.52	0.02
	2437	SISO	1	8.380	8.420	99.52	0.02
	2462	SISO	1	8.380	8.420	99.52	0.02
802.11g	2412	SISO	1	1.361	1.406	96.80	0.14
	2437	SISO	1	1.361	1.406	96.80	0.14
	2462	SISO	1	1.360	1.405	96.80	0.14
802.11n(HT20)	2412	SISO	1	1.300	1.344	96.73	0.14
	2437	SISO	1	1.299	1.344	96.65	0.15
	2462	SISO	1	1.300	1.344	96.73	0.14
802.11n(HT40)	2422	SISO	1	0.618	0.661	93.49	0.29
	2437	SISO	1	0.618	0.660	93.64	0.29
	2452	SISO	1	0.618	0.661	93.49	0.29

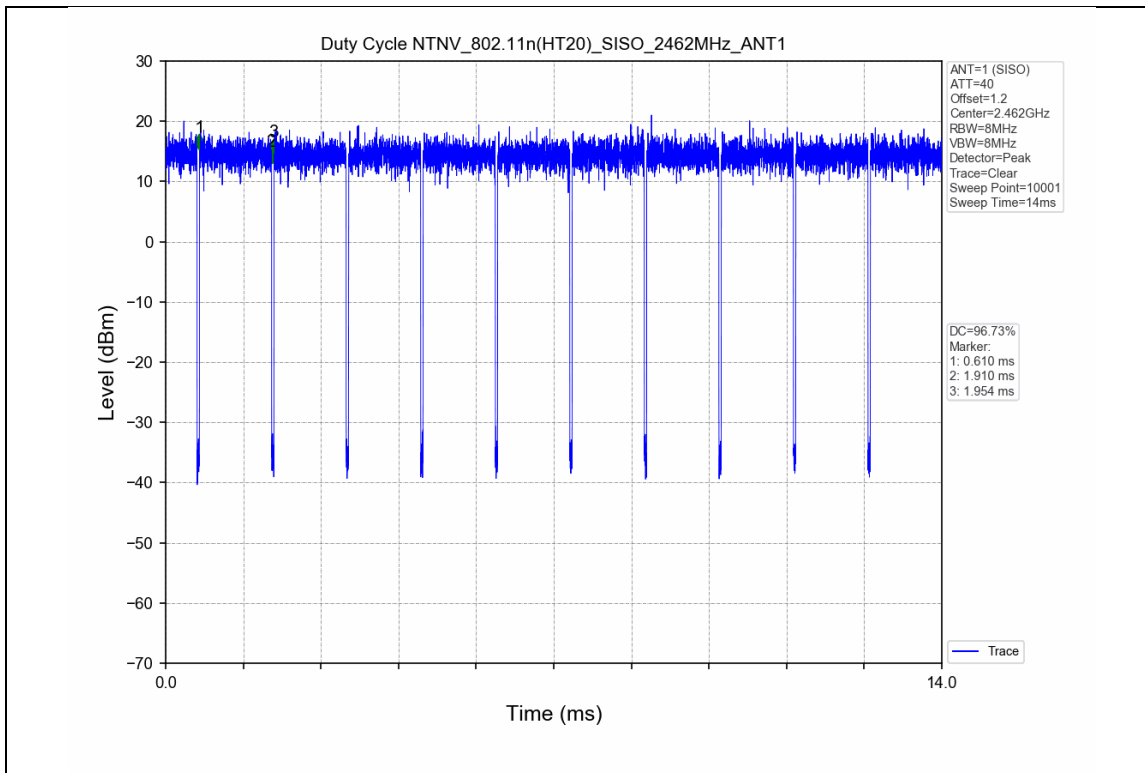
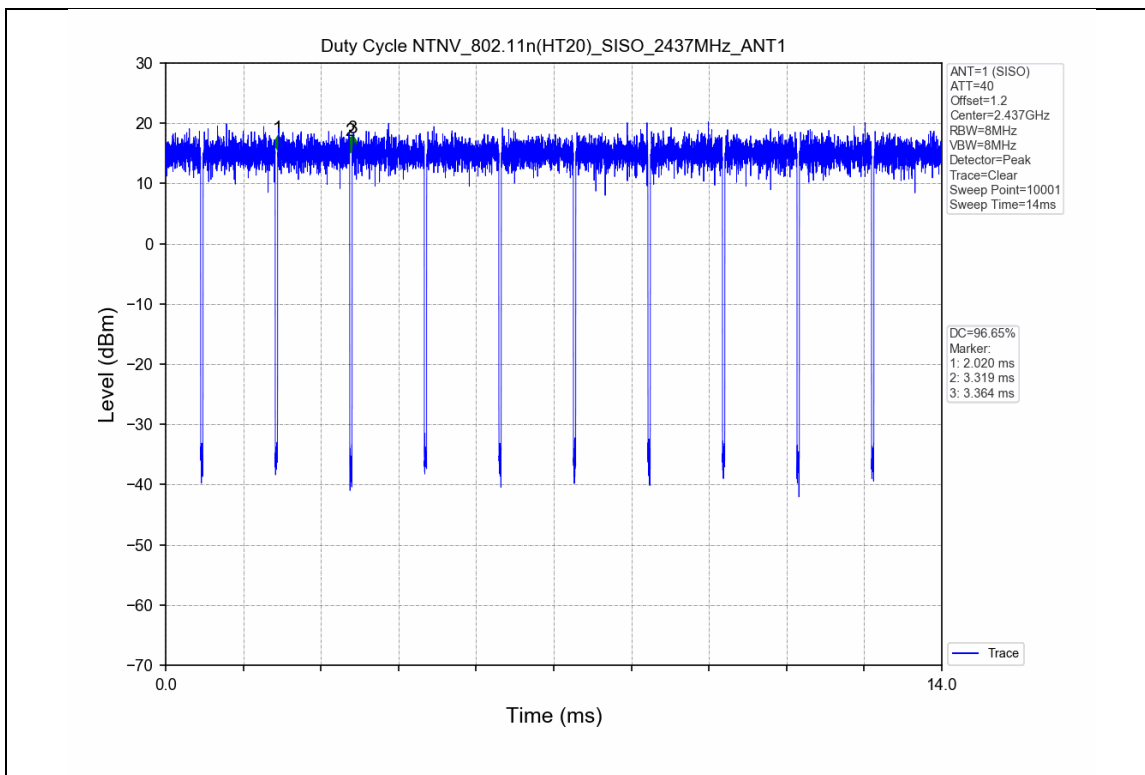
1.2 Test Graph

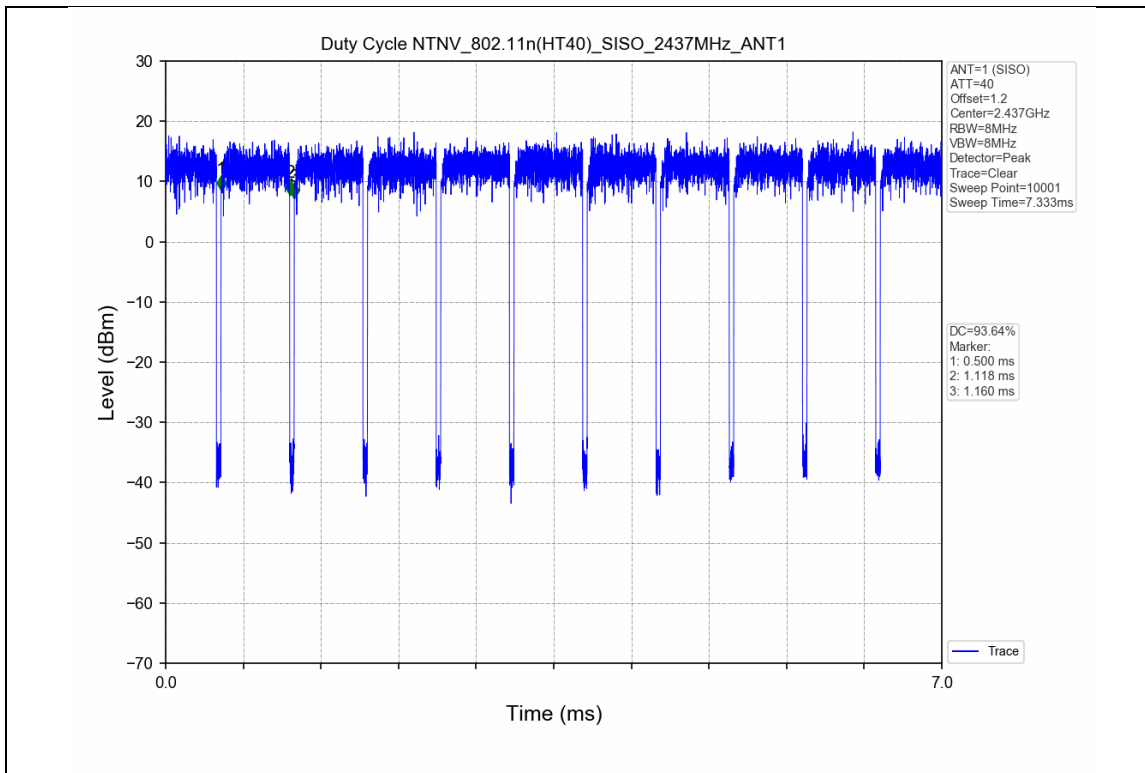
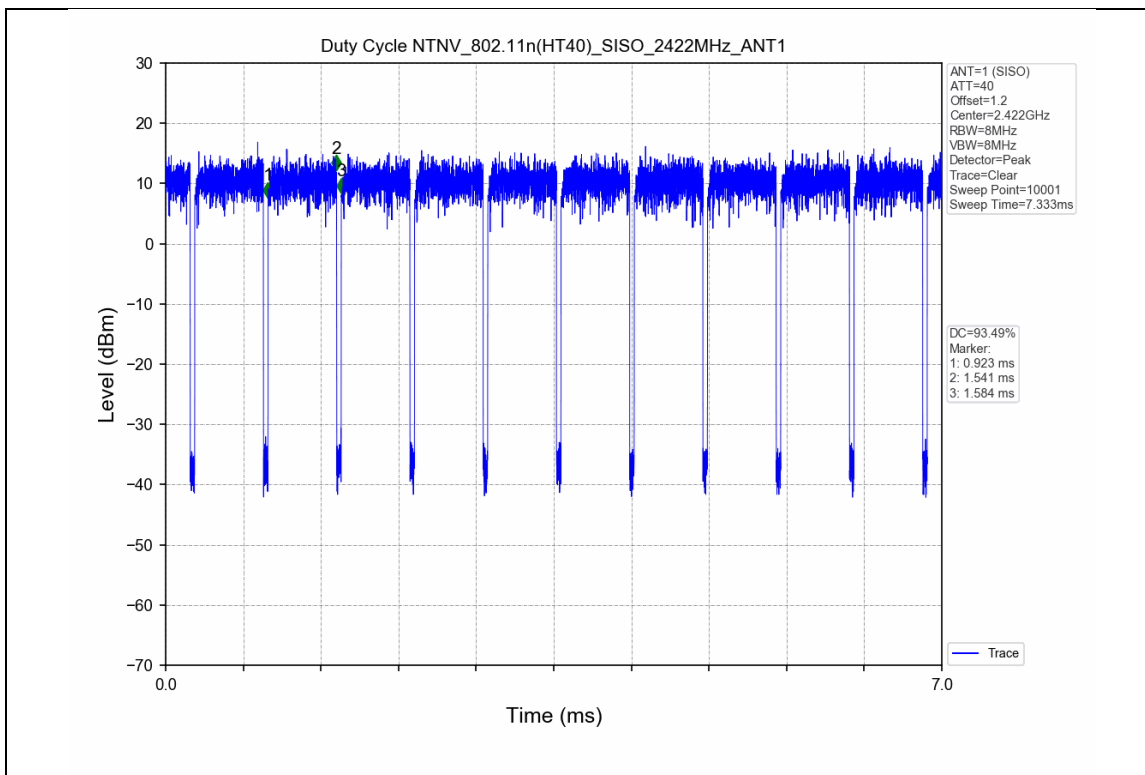


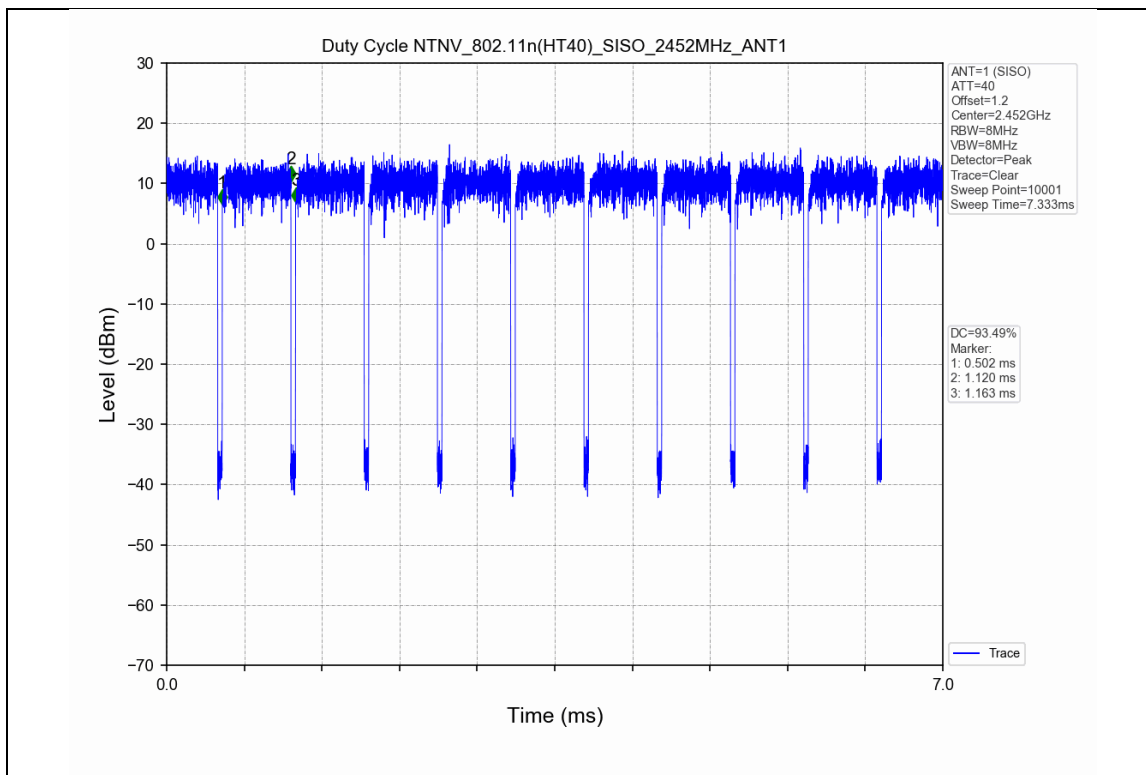












2. Bandwidth

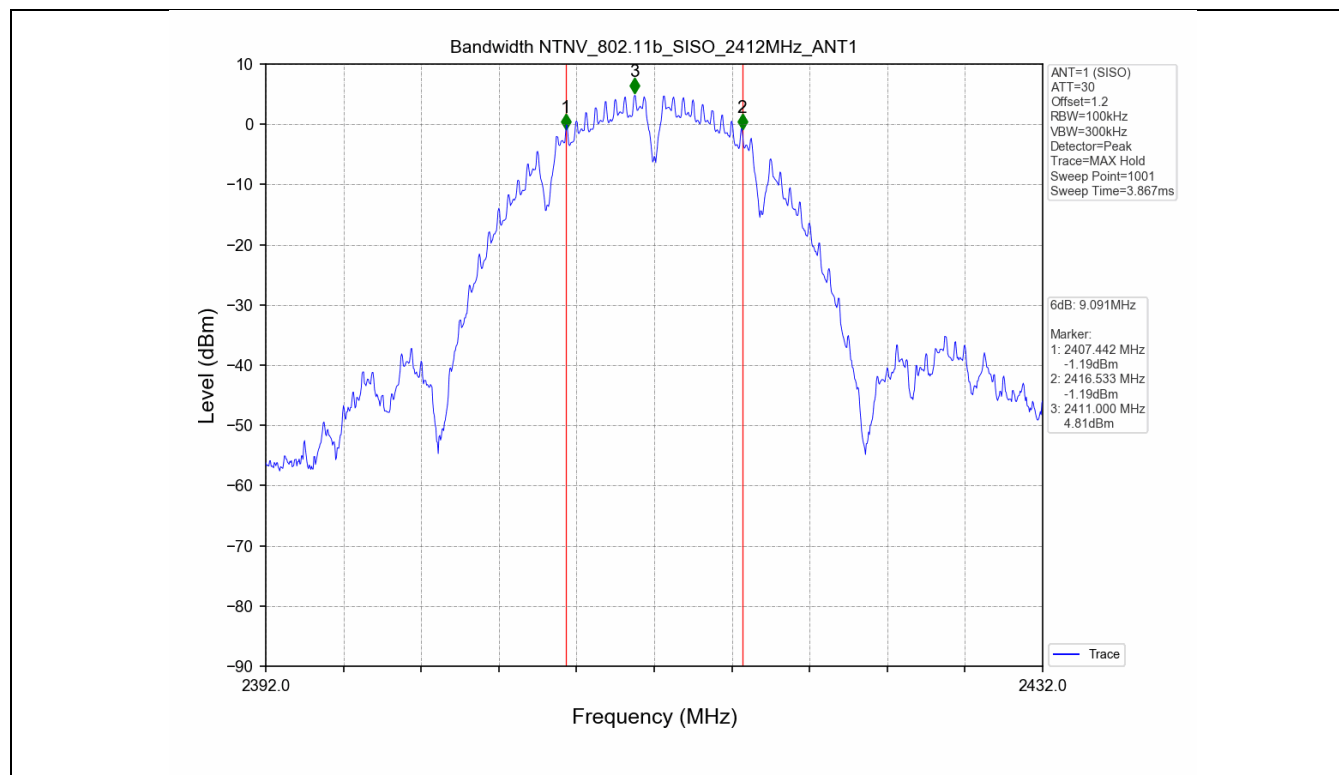
2.1 Test Result

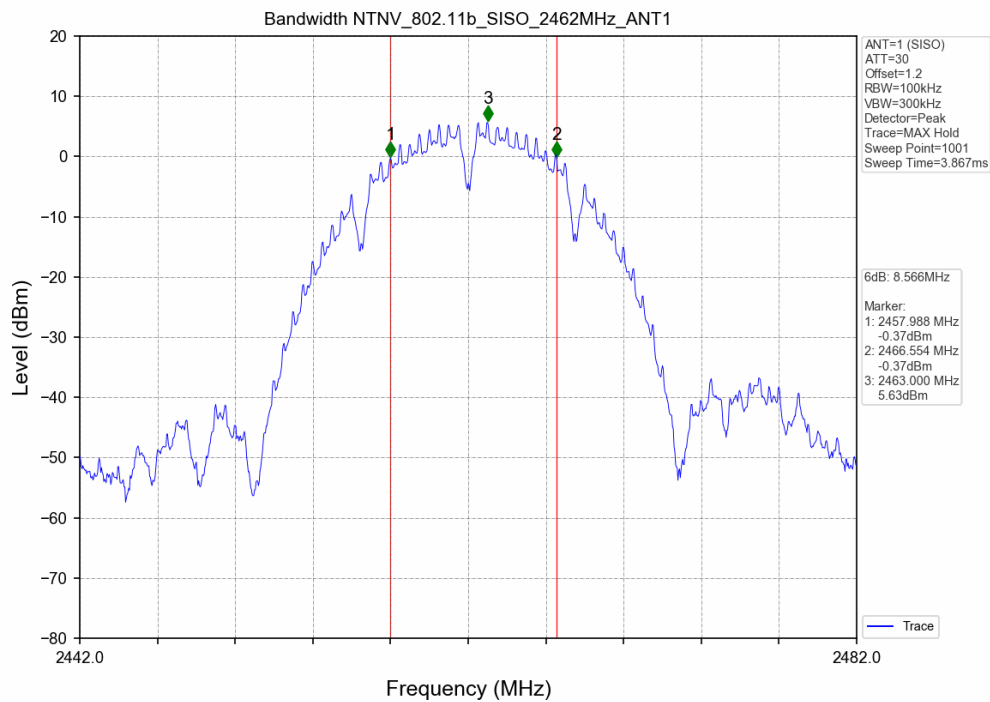
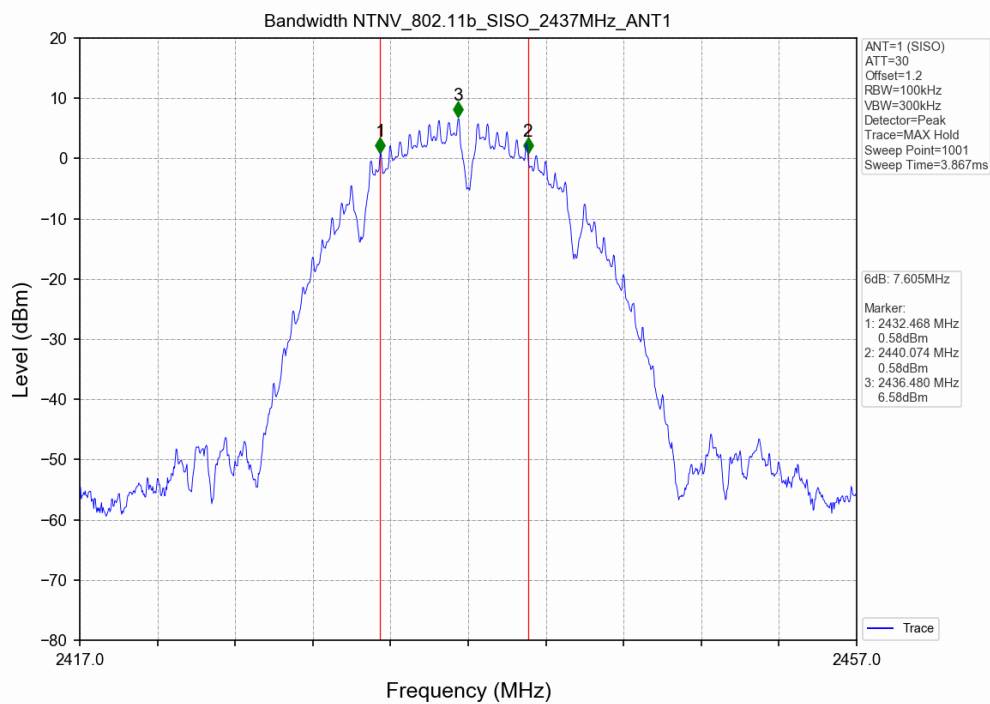
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	9.091	PASS
	2437	SISO	1	7.605	PASS
	2462	SISO	1	8.566	PASS
802.11g	2412	SISO	1	16.345	PASS
	2437	SISO	1	15.463	PASS
	2462	SISO	1	15.759	PASS
802.11n(HT20)	2412	SISO	1	17.375	PASS
	2437	SISO	1	15.111	PASS
	2462	SISO	1	16.362	PASS
802.11n(HT40)	2422	SISO	1	35.109	PASS
	2437	SISO	1	21.250	PASS
	2452	SISO	1	35.962	PASS

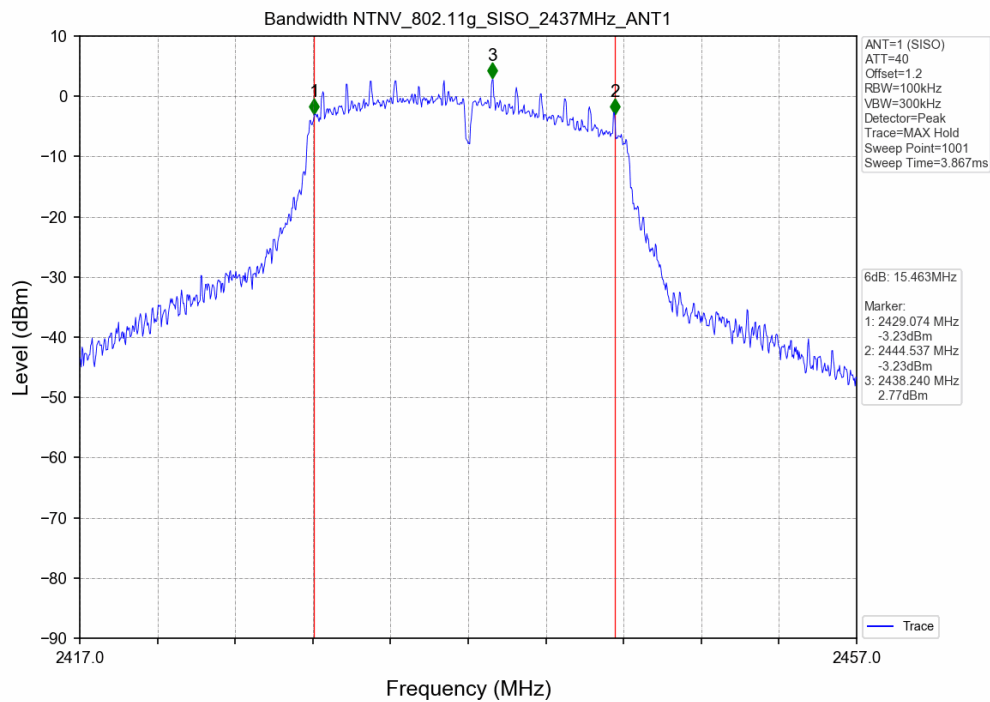
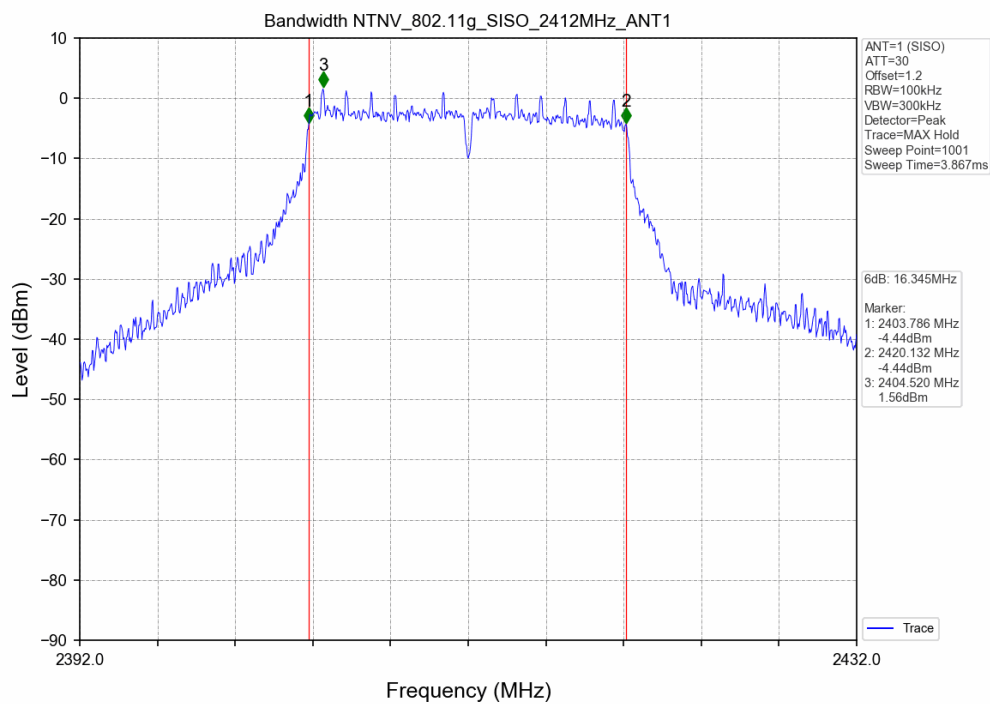
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.612	Only for Report Use
	2437	SISO	1	12.631	Only for Report Use
	2462	SISO	1	13.143	Only for Report Use
802.11g	2412	SISO	1	17.212	Only for Report Use
	2437	SISO	1	16.556	Only for Report Use
	2462	SISO	1	16.929	Only for Report Use

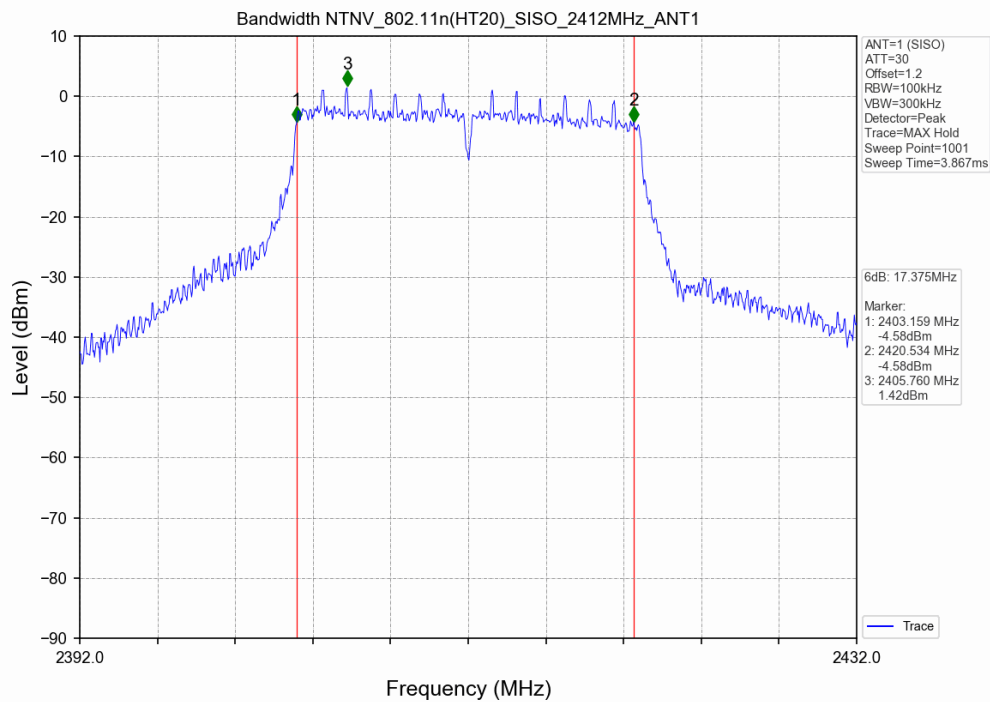
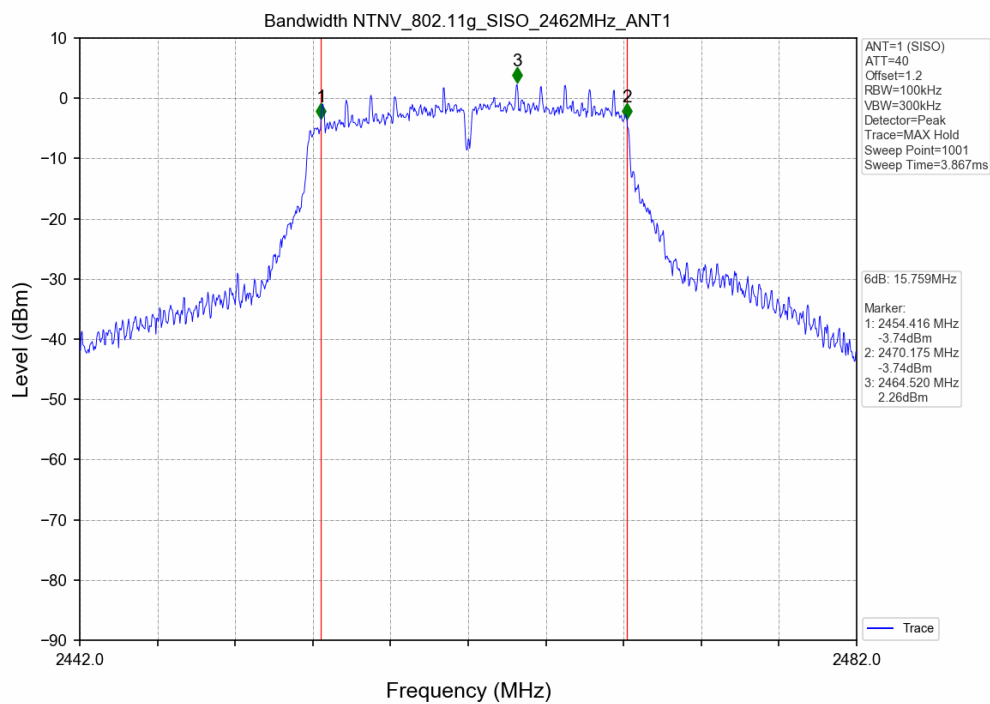
802.11n(HT20)	2412	SISO	1	18.184	Only for Report Use
	2437	SISO	1	17.596	Only for Report Use
	2462	SISO	1	17.912	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.585	Only for Report Use
	2437	SISO	1	35.633	Only for Report Use
	2452	SISO	1	37.597	Only for Report Use

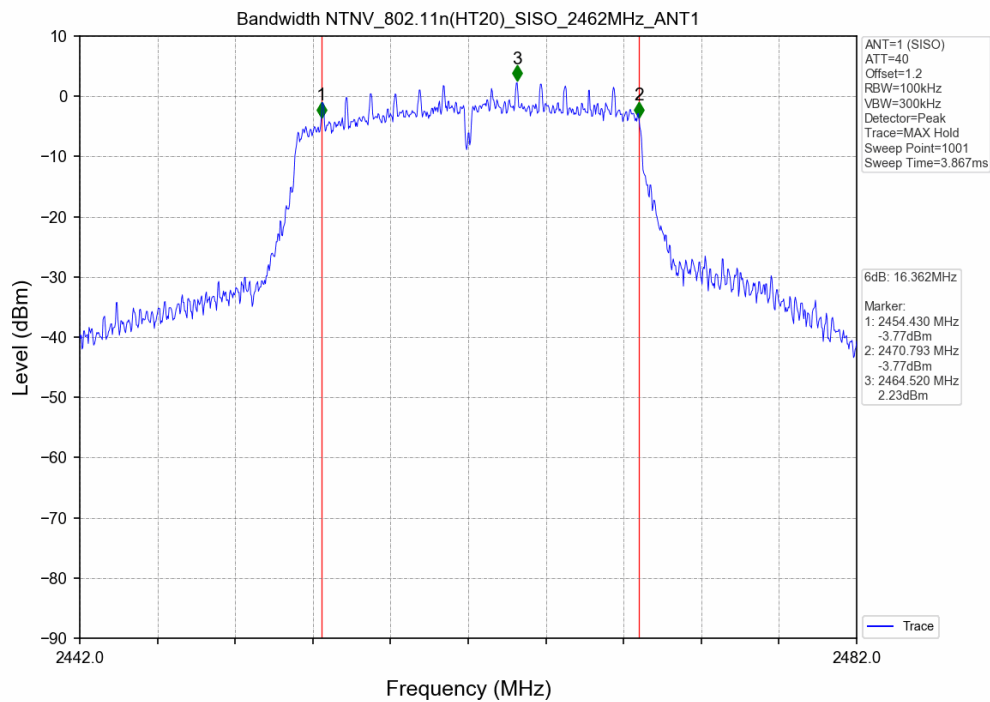
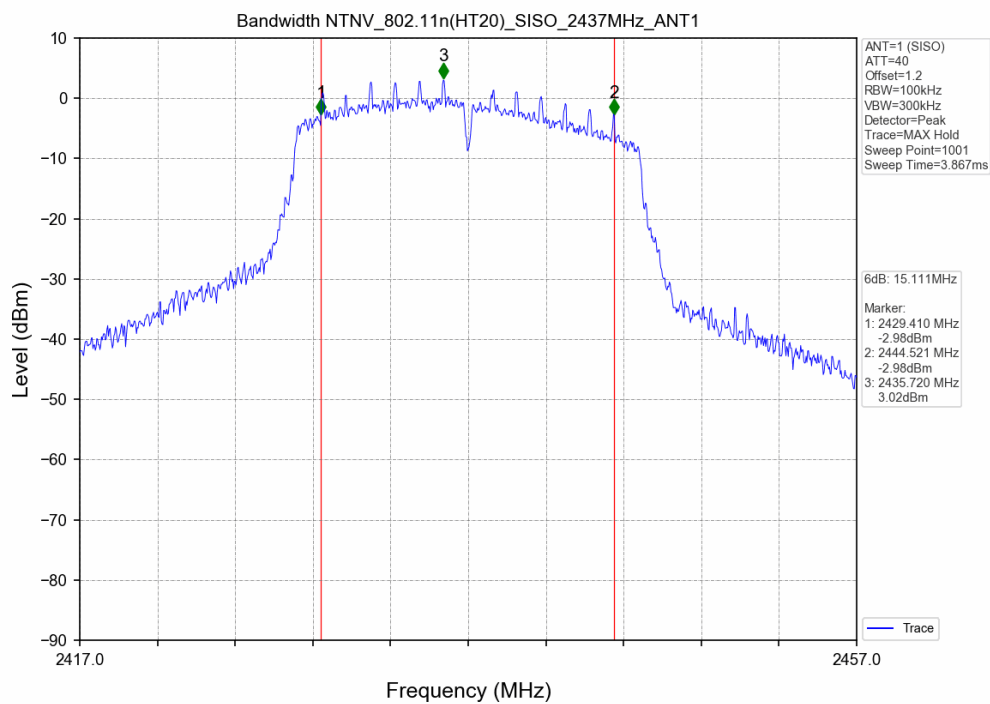
2.2 Test Graph - 6dB Bandwidth

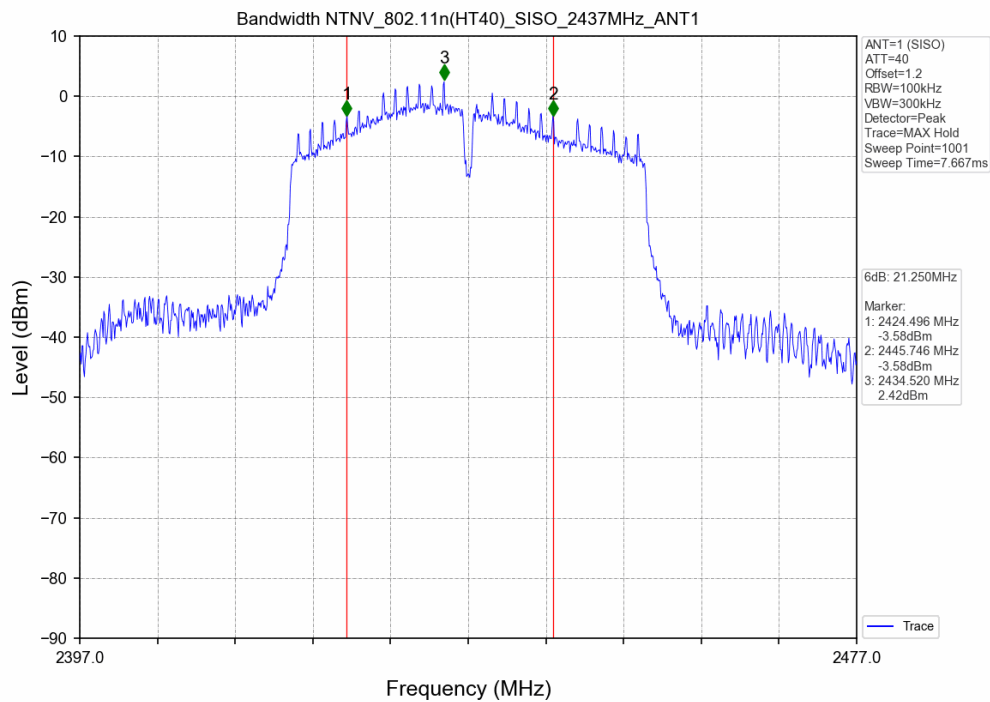
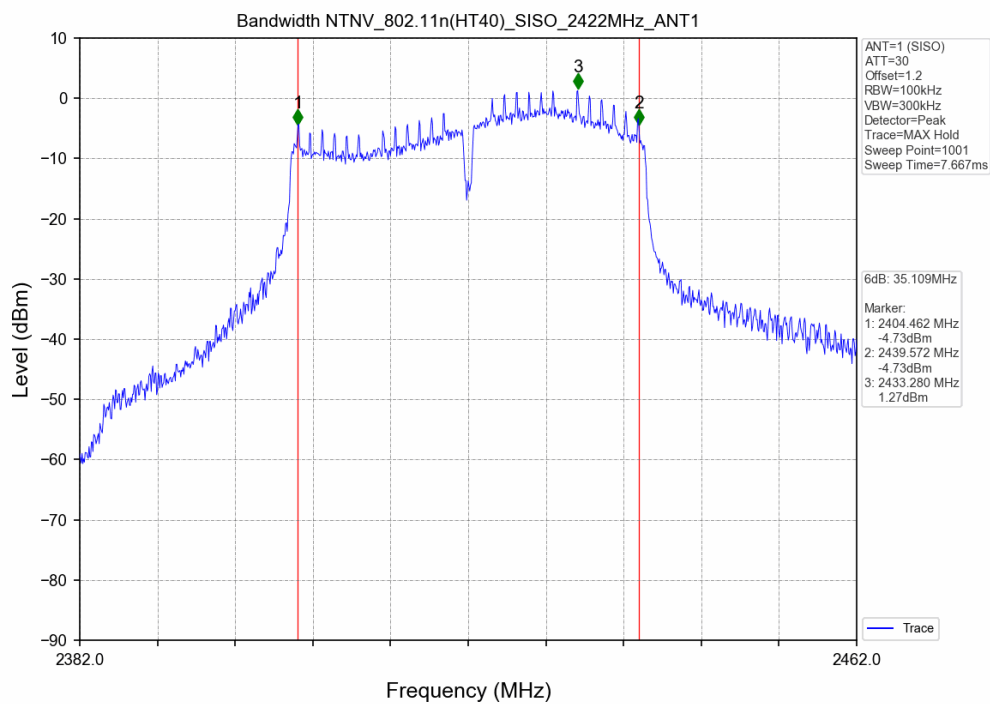


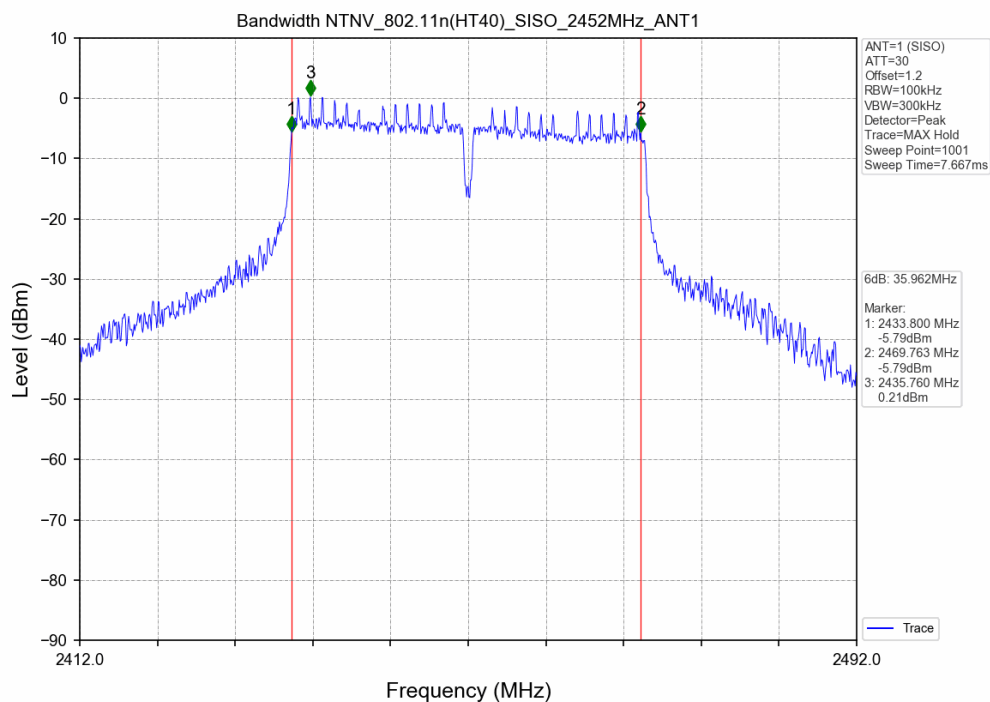




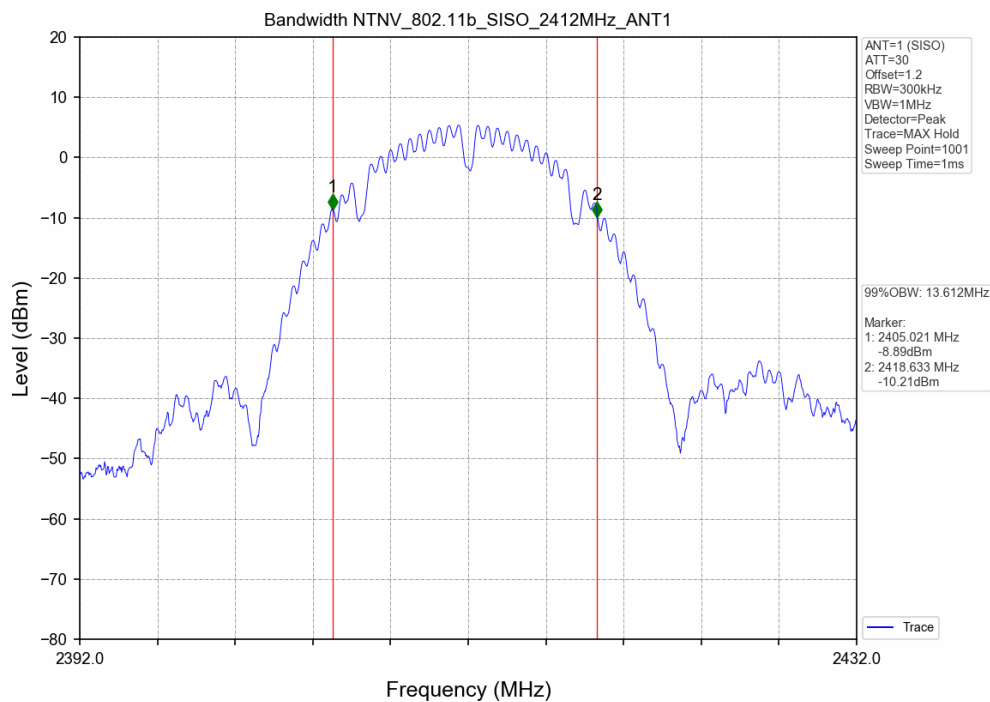


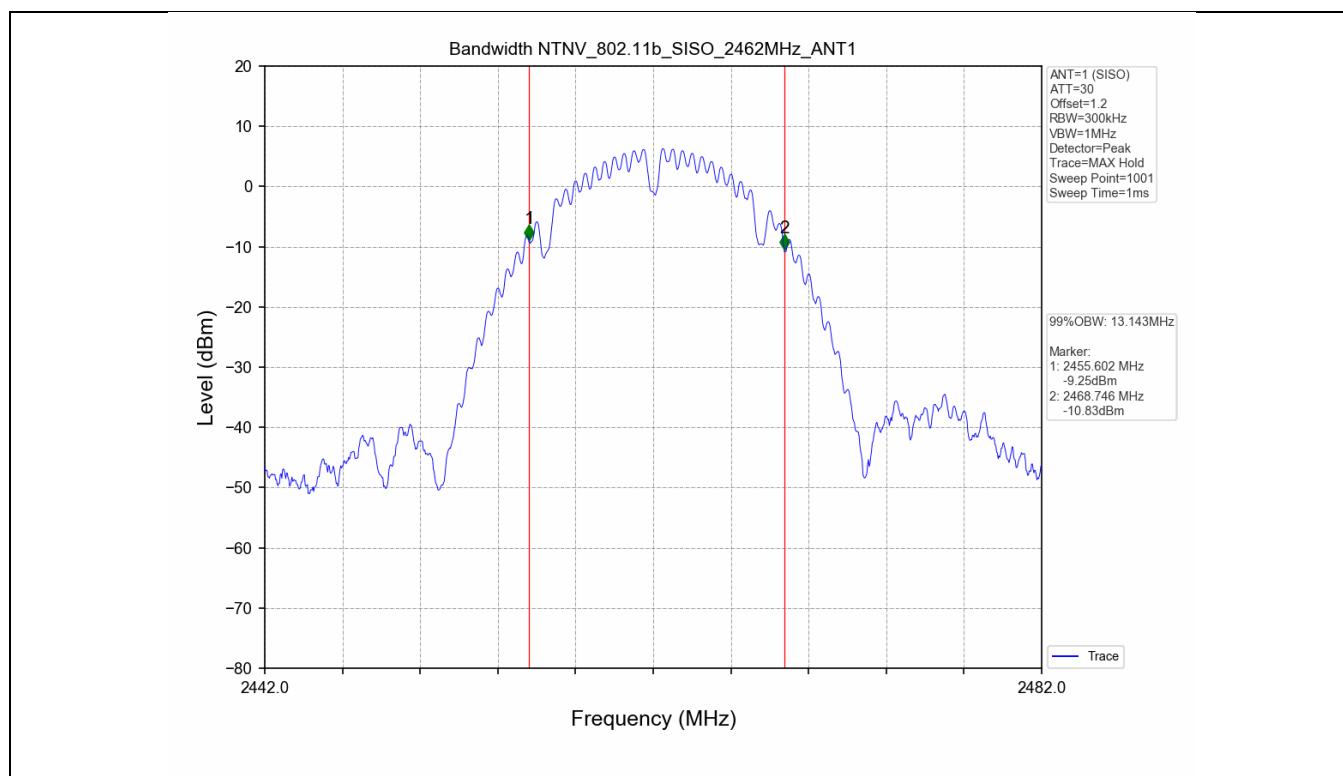
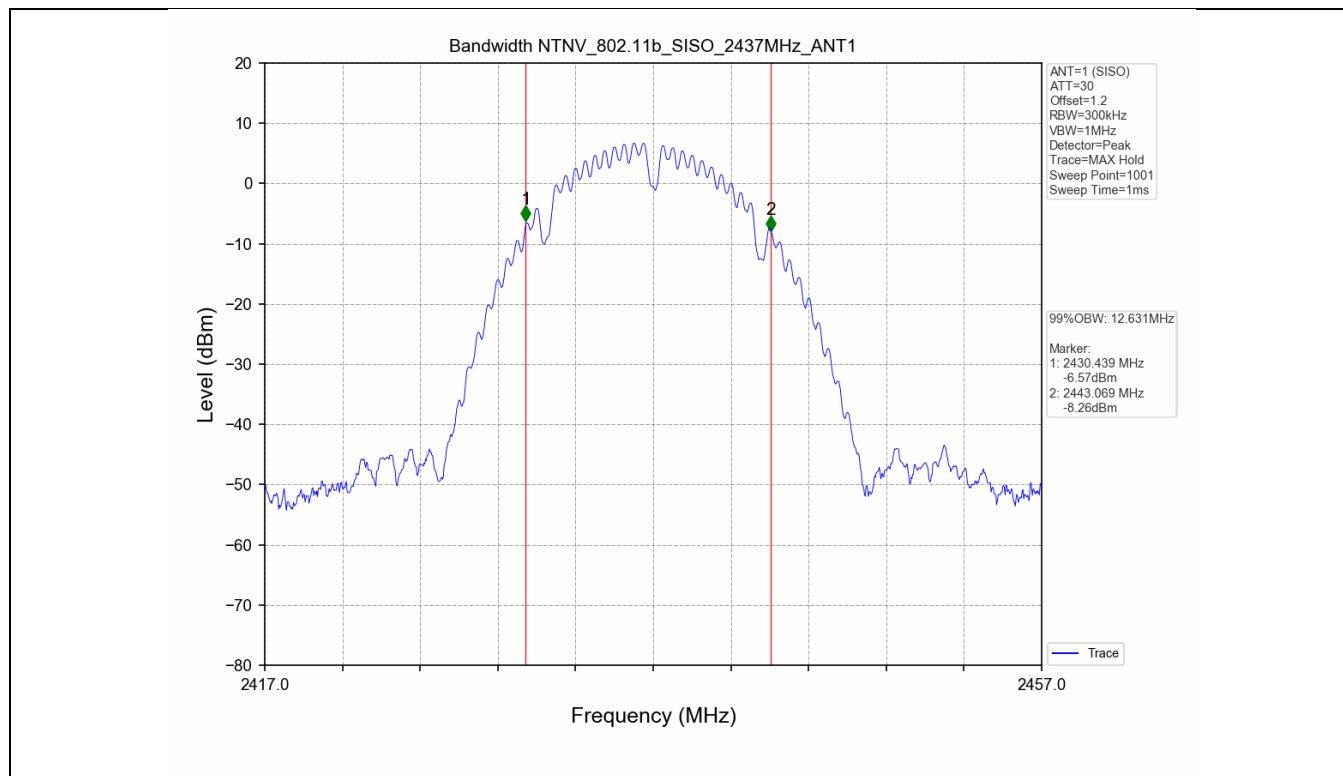


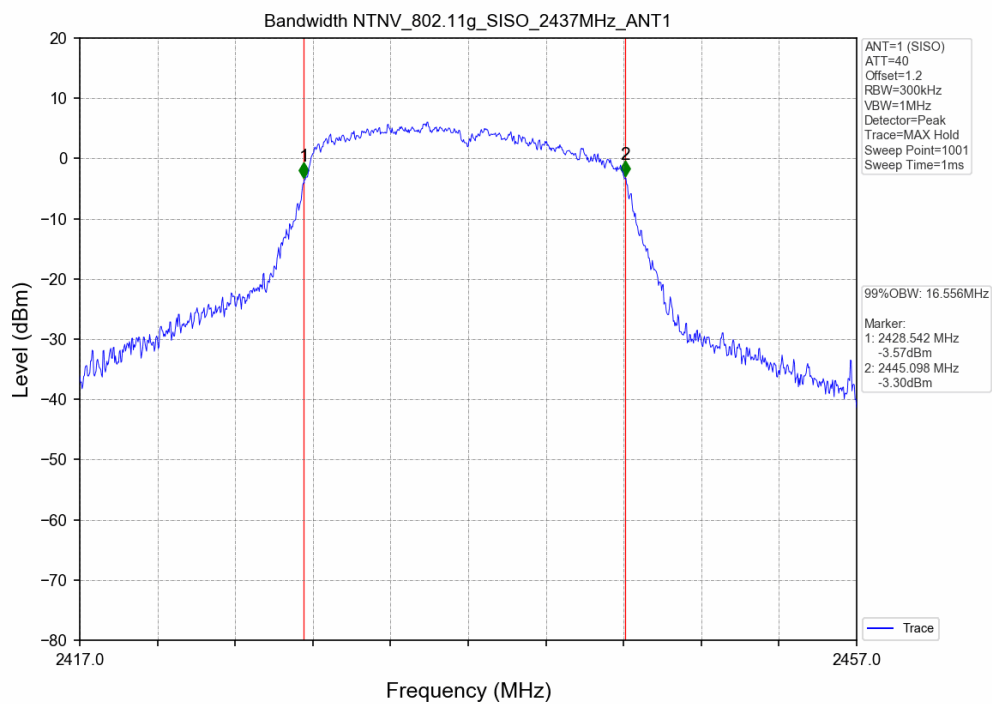
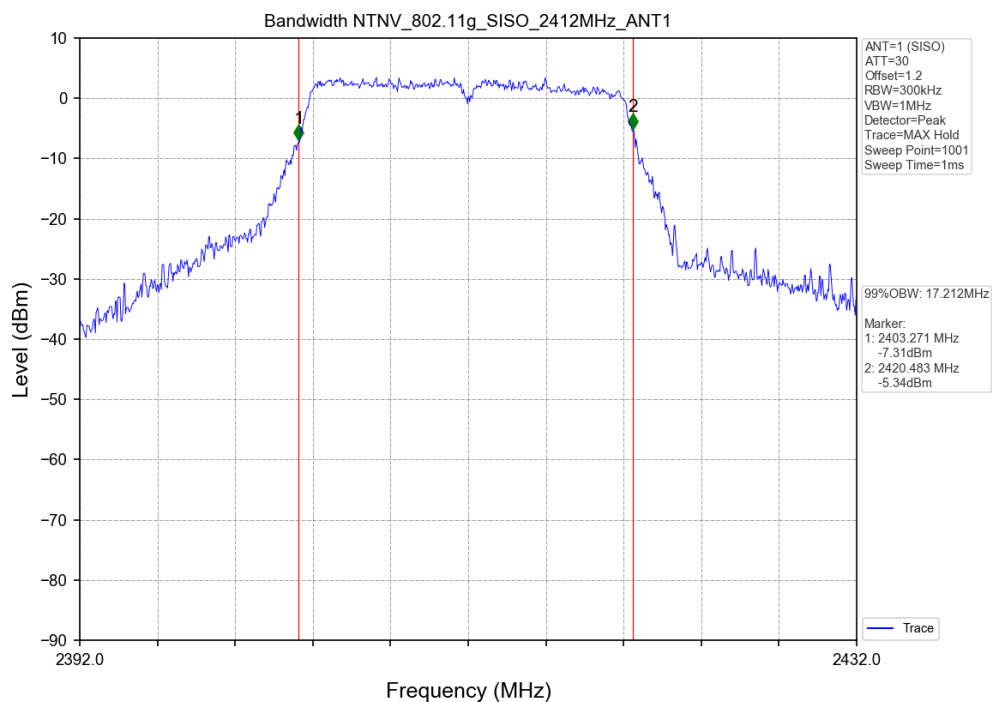


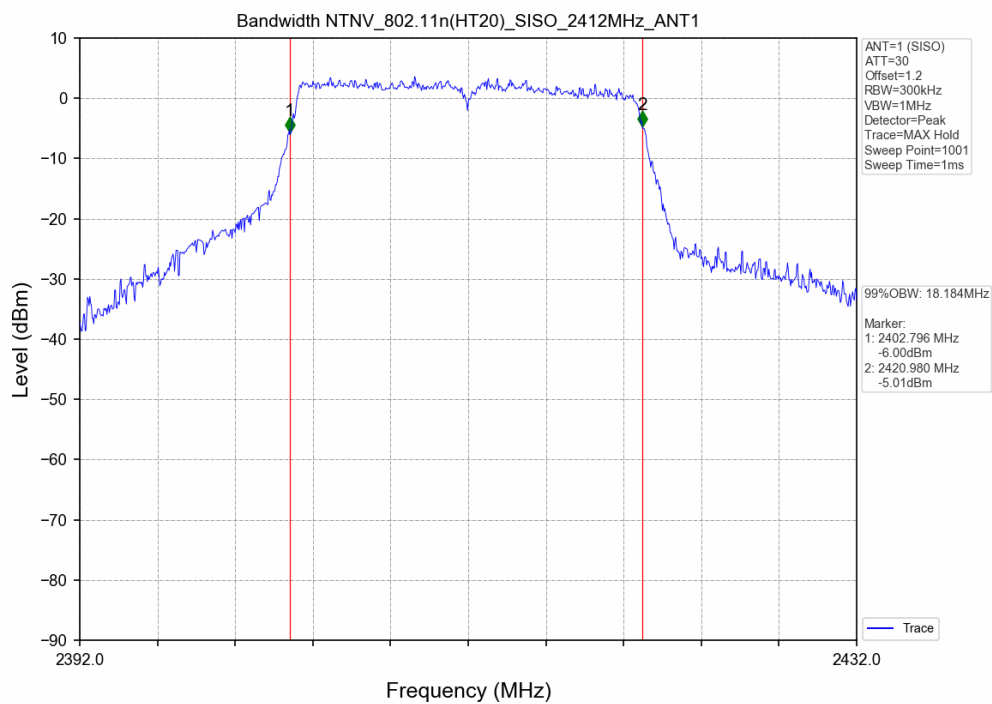
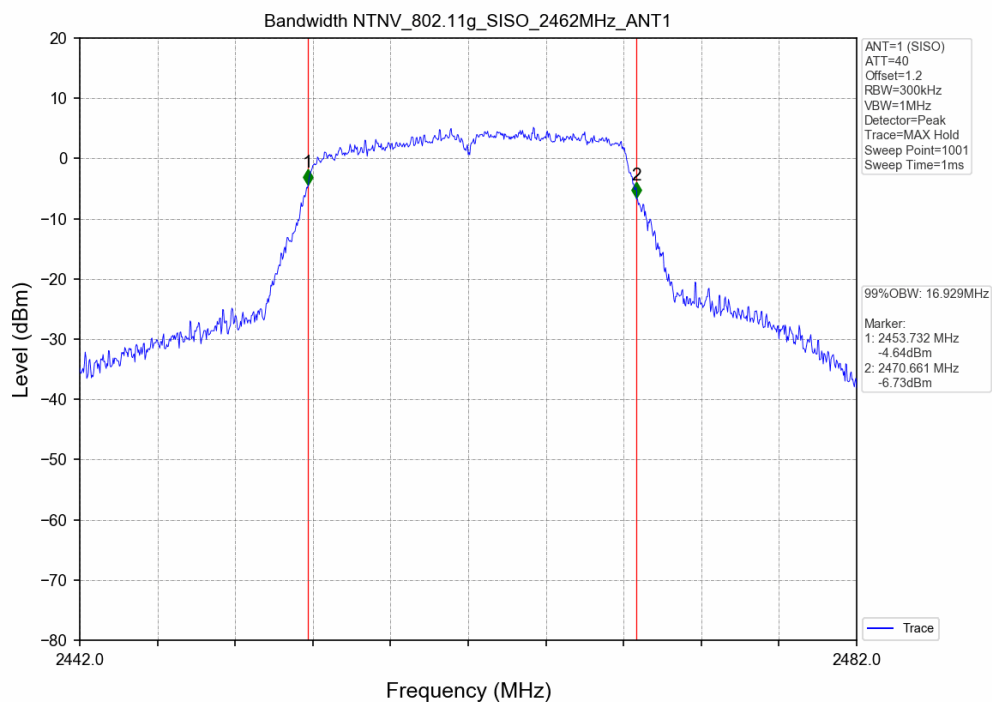


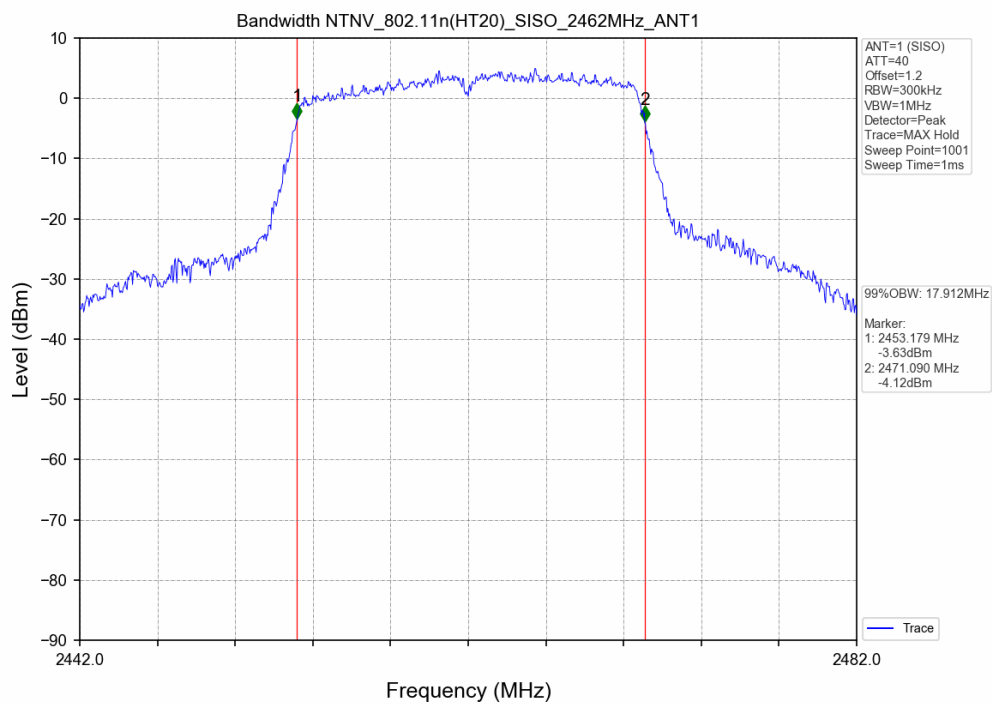
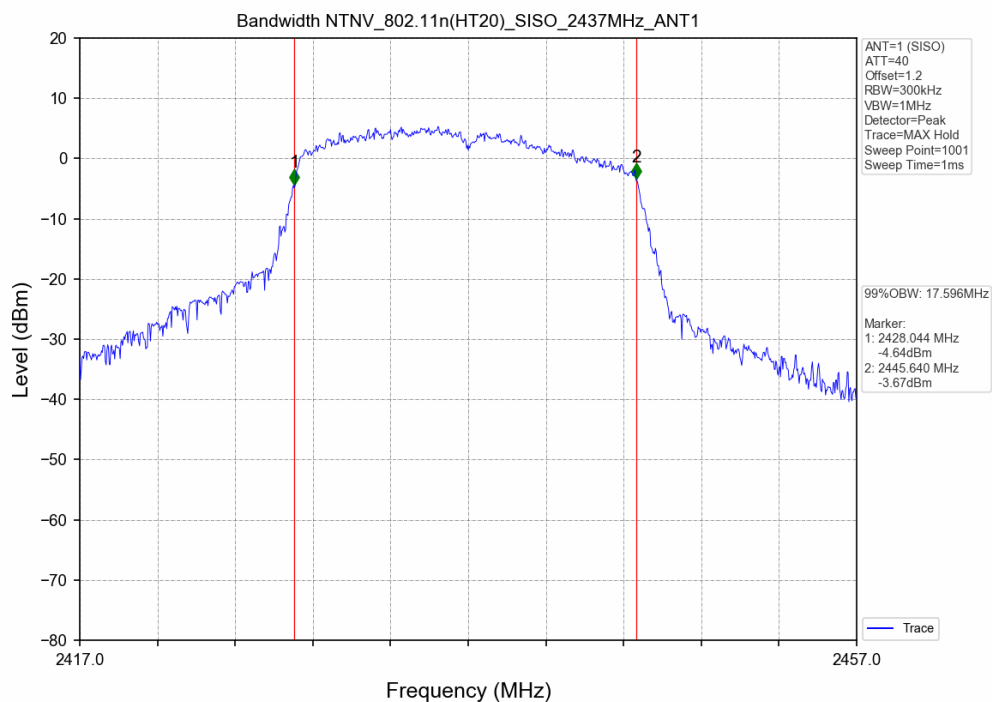
2.3 Test Graph - 99% Occupied Bandwidth

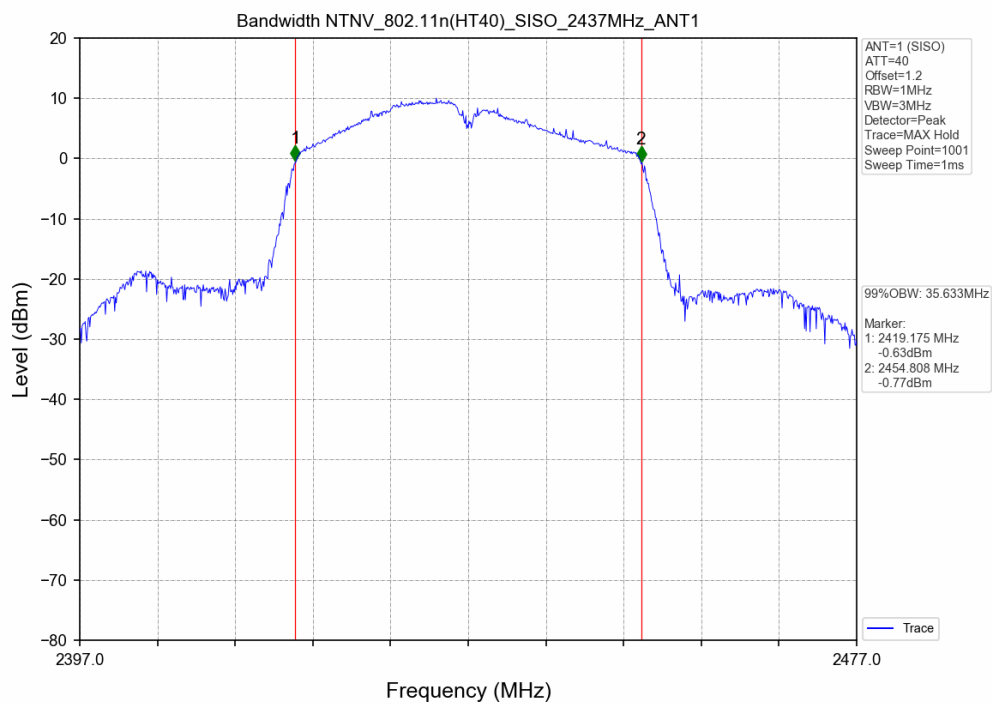
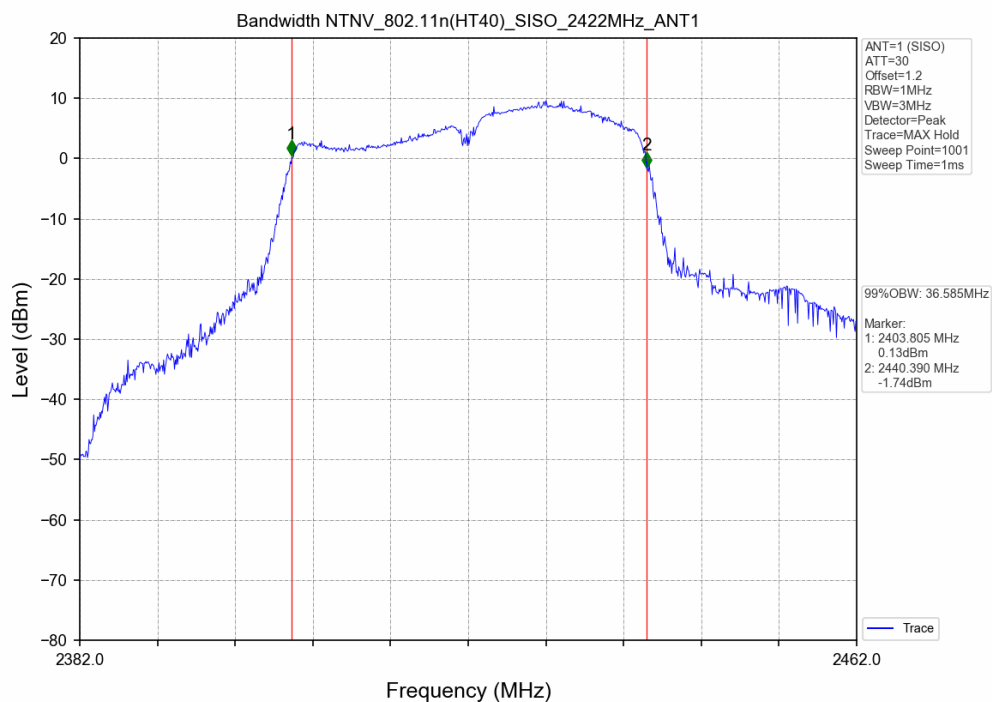


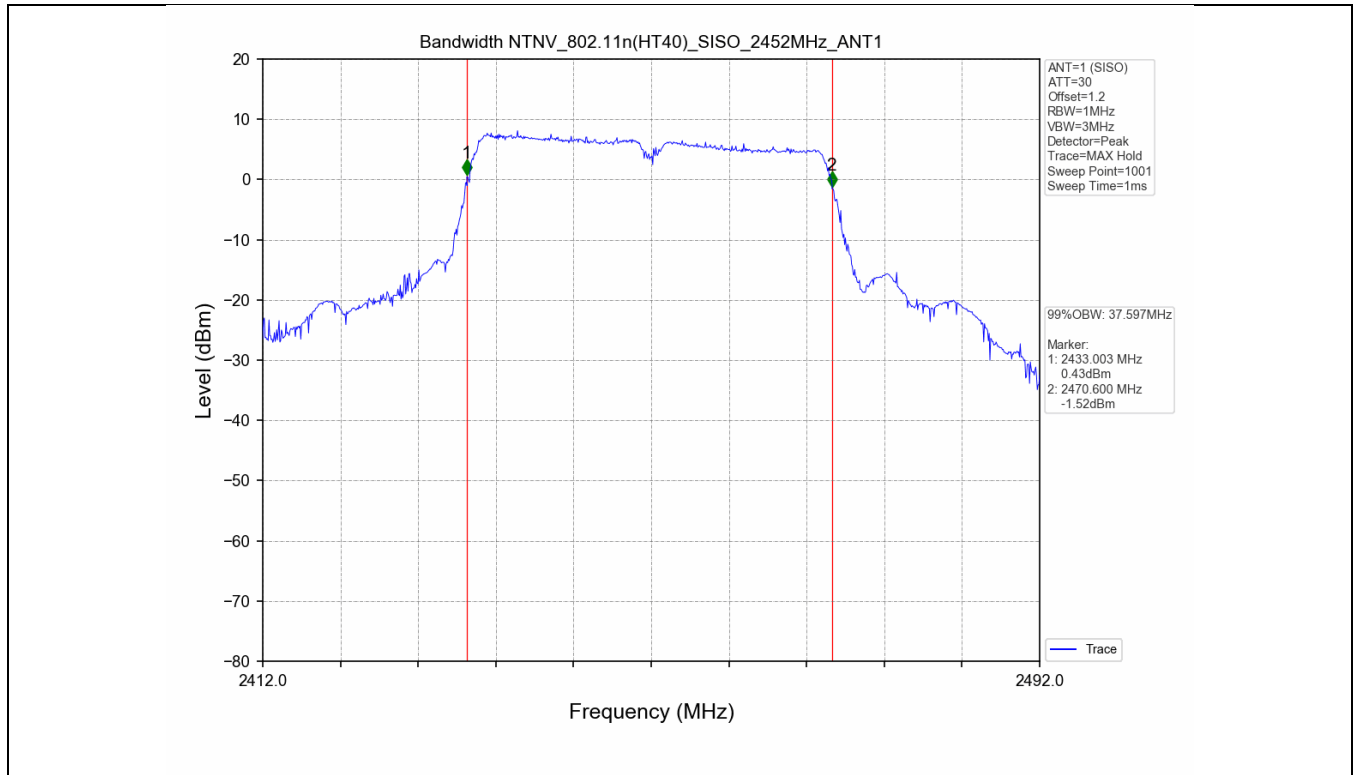










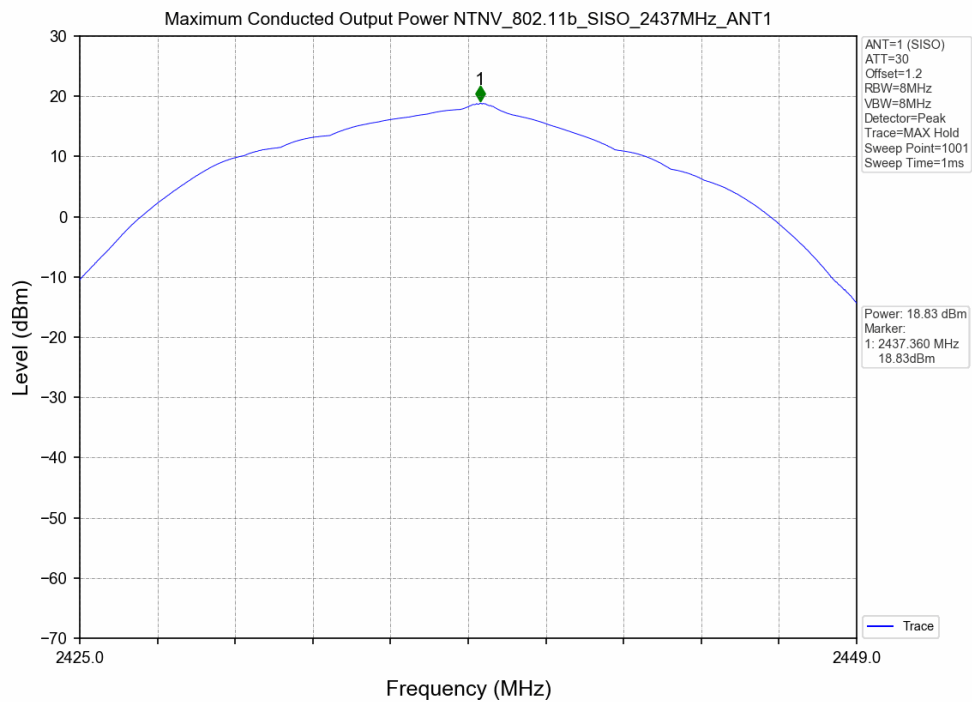
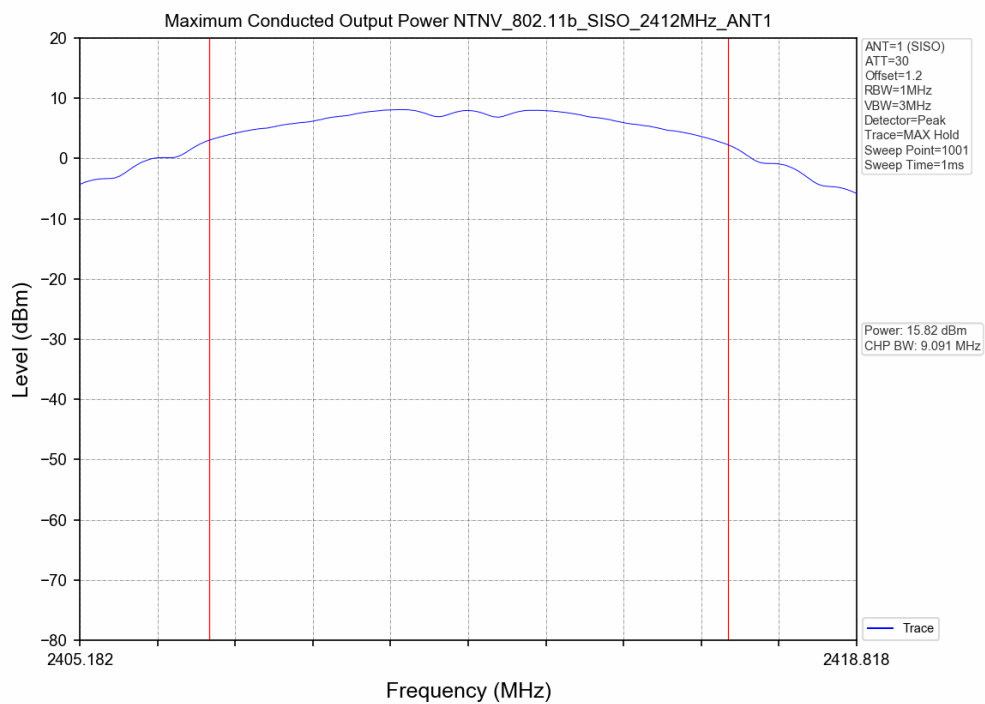


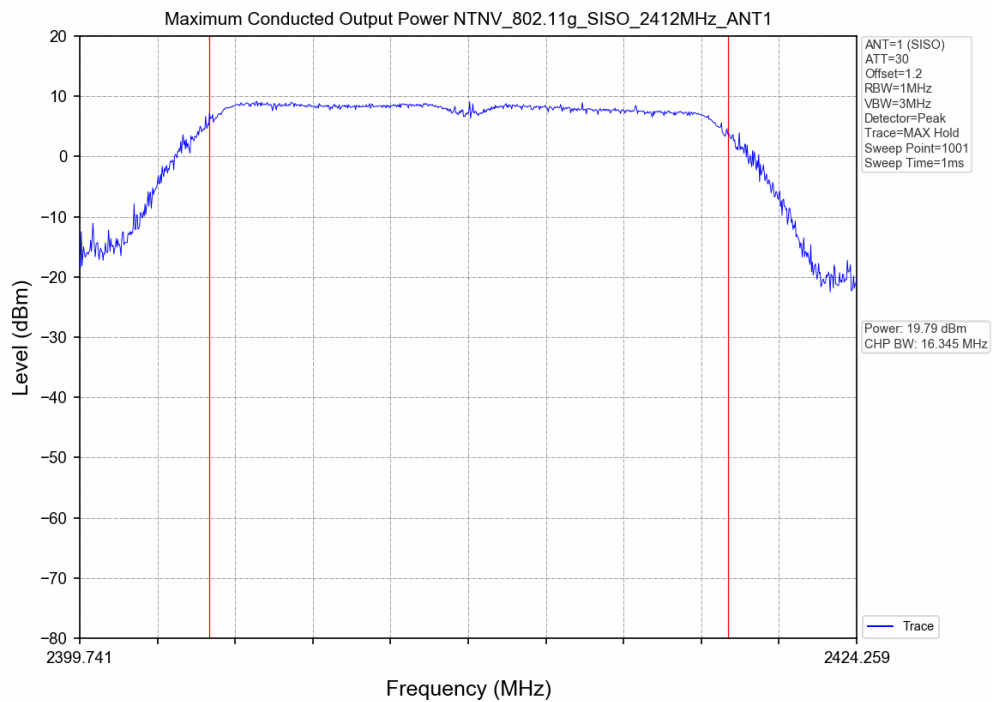
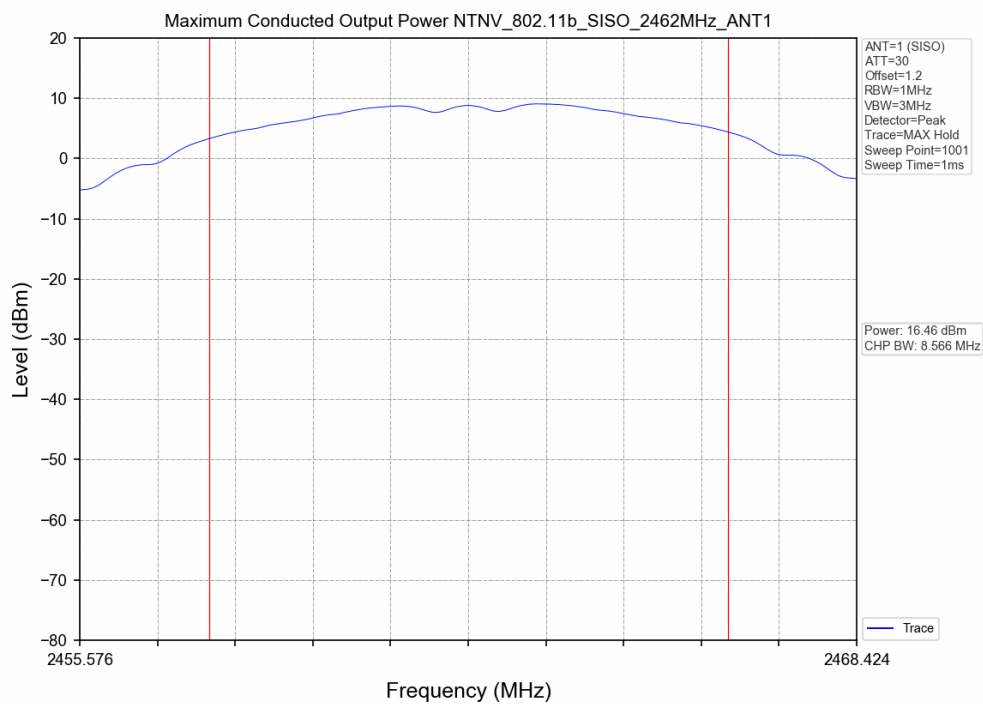
3. Maximum Conducted Output Power

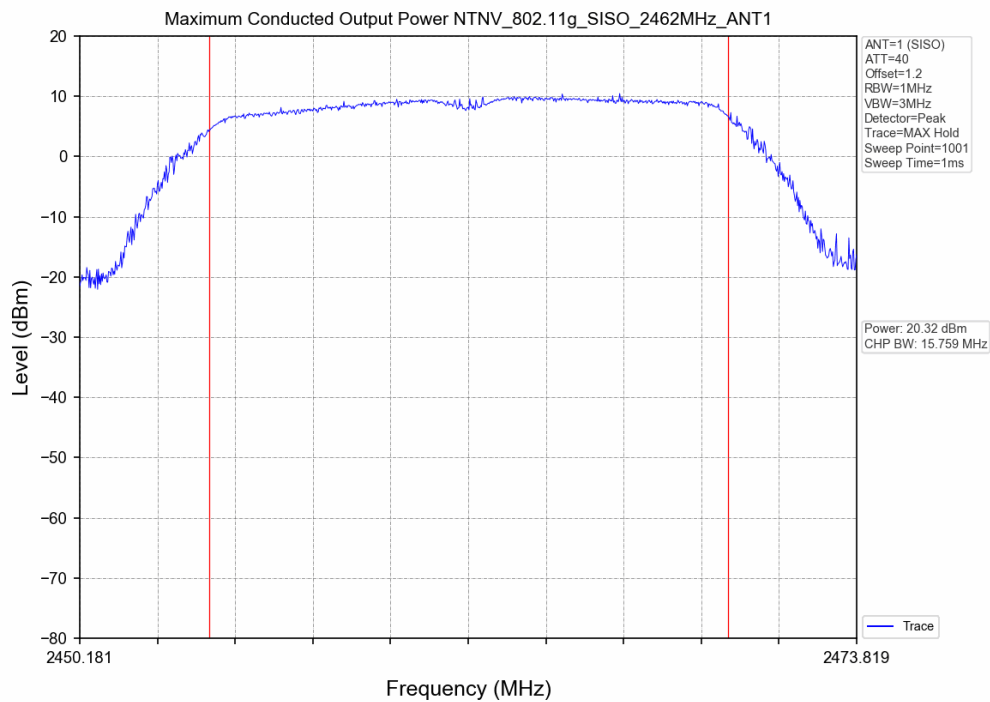
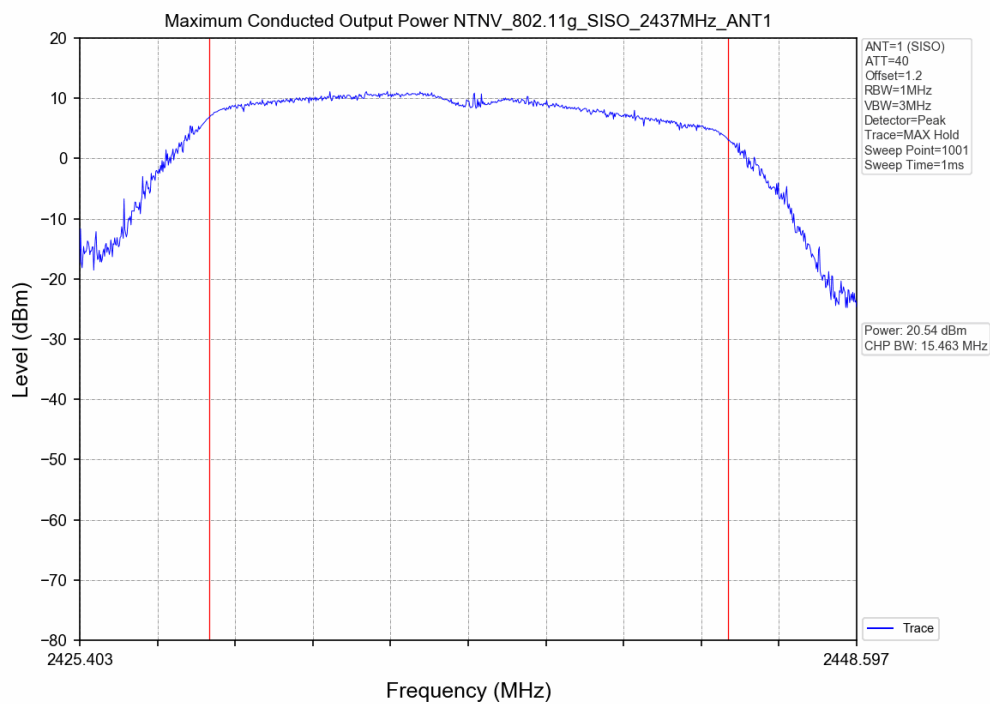
3.1 Test Result

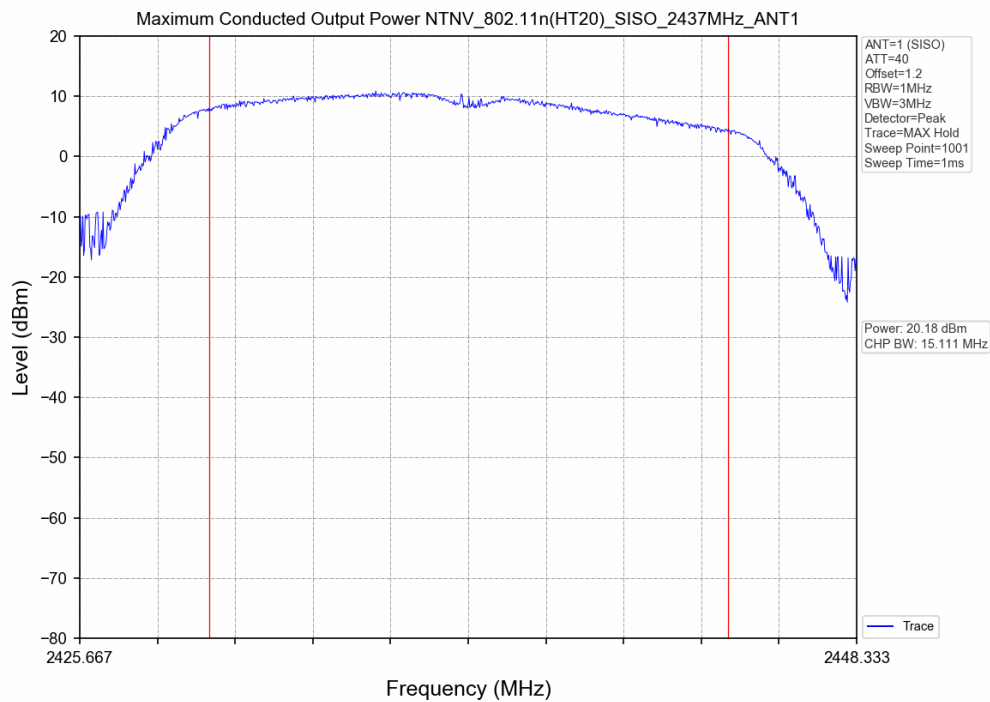
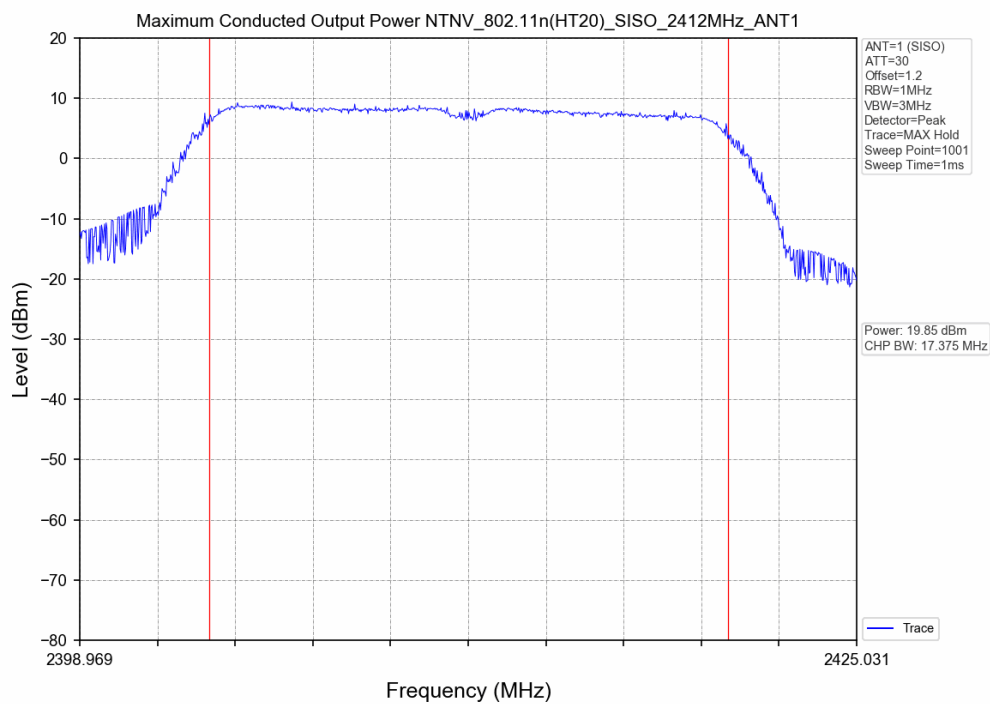
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	15.82	30	PASS
	2437	SISO	18.83	30	PASS
	2462	SISO	16.46	30	PASS
802.11g	2412	SISO	19.79	30	PASS
	2437	SISO	20.54	30	PASS
	2462	SISO	20.32	30	PASS
802.11n(HT20)	2412	SISO	19.85	30	PASS
	2437	SISO	20.18	30	PASS
	2462	SISO	20.21	30	PASS
802.11n(HT40)	2422	SISO	20.79	30	PASS
	2437	SISO	20.23	30	PASS
	2452	SISO	20.94	30	PASS

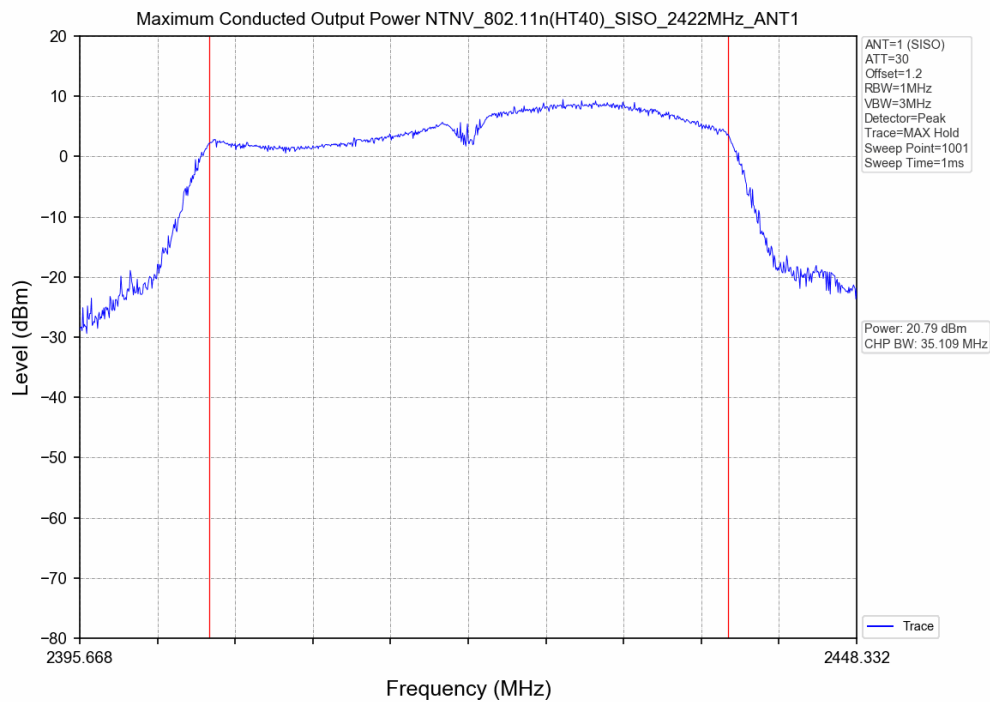
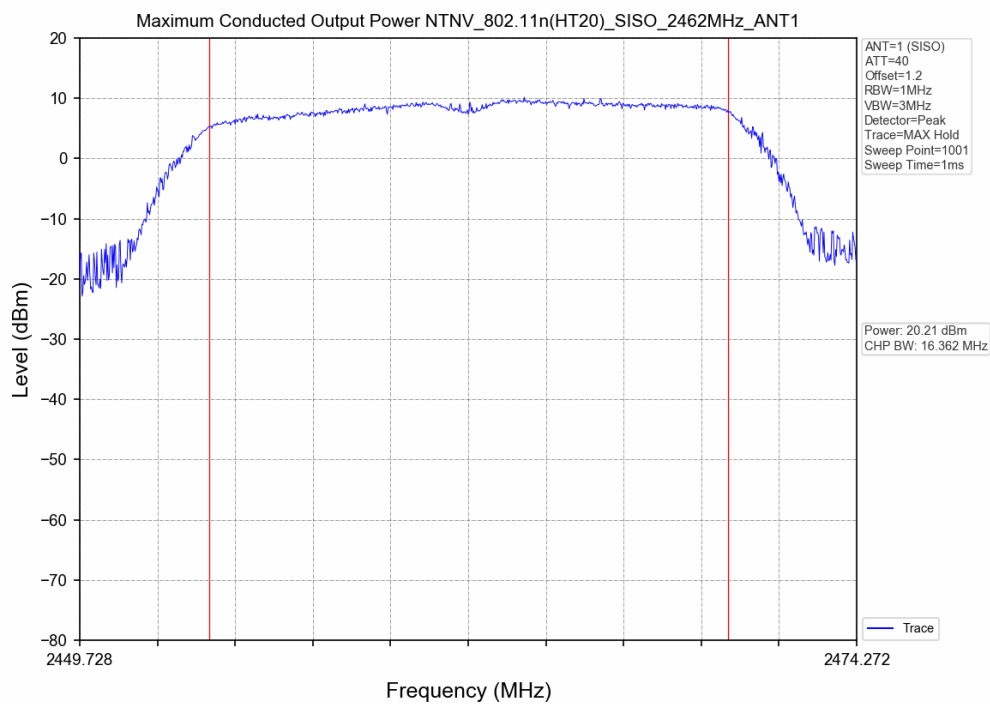
3.2 Test Graph

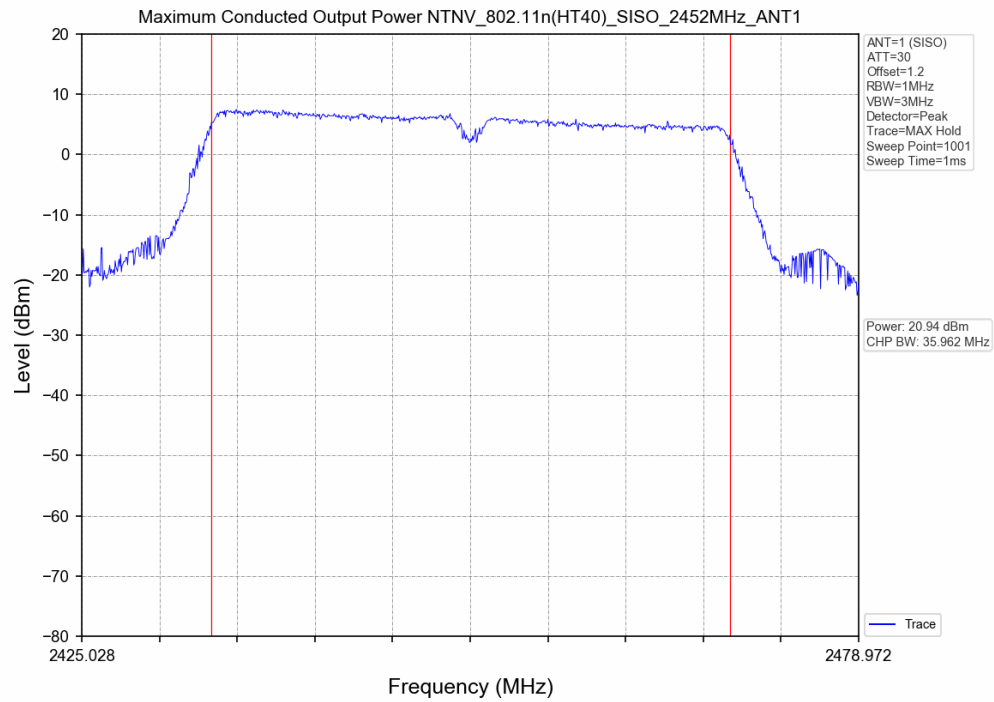
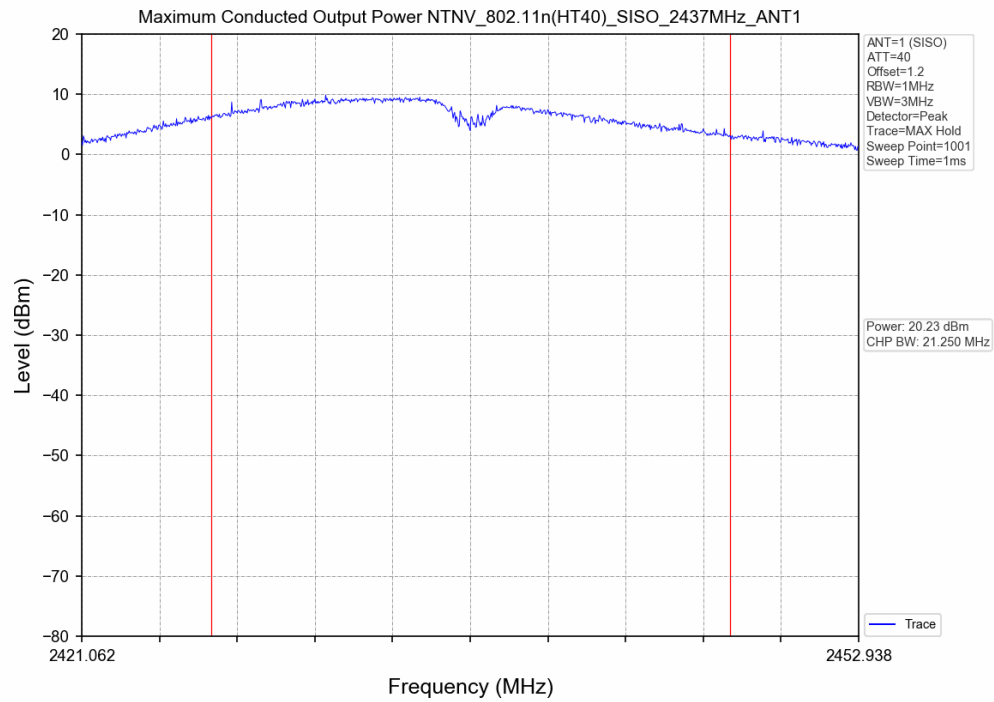










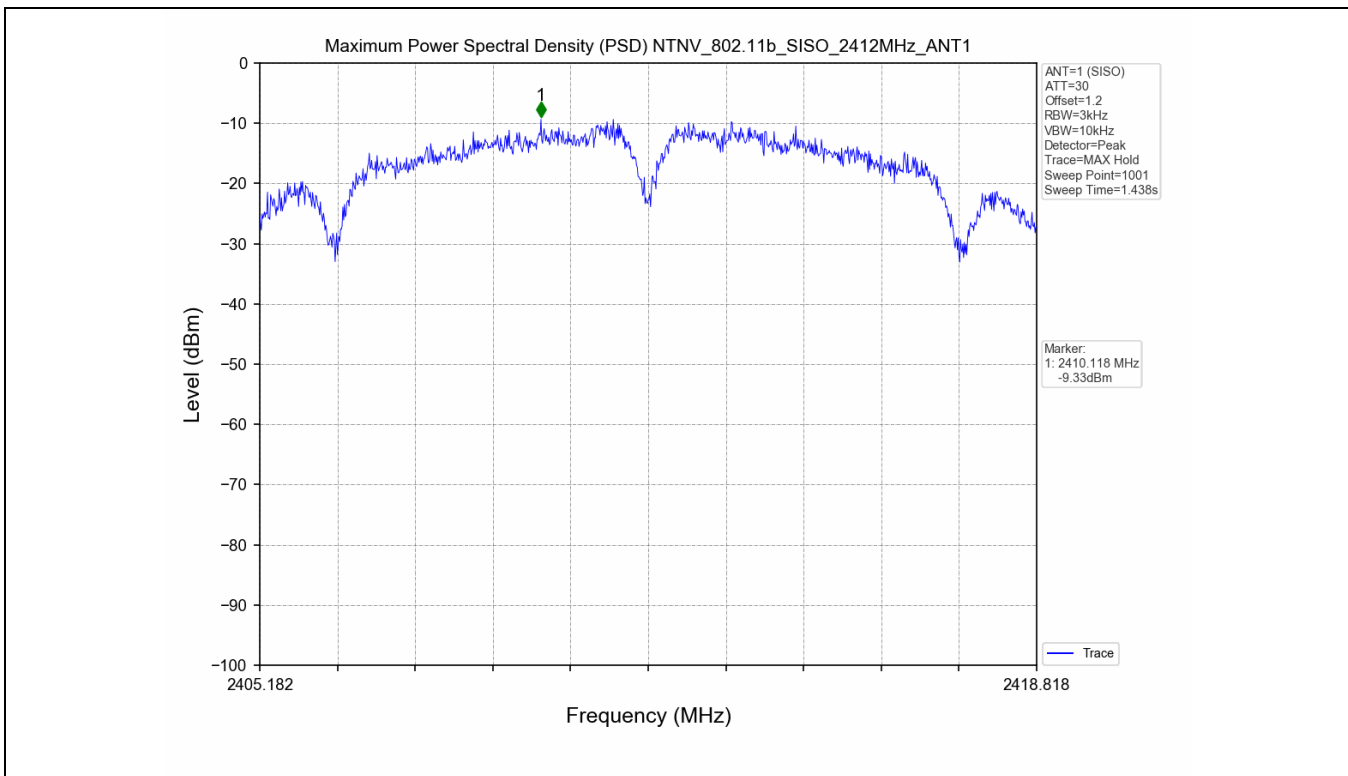


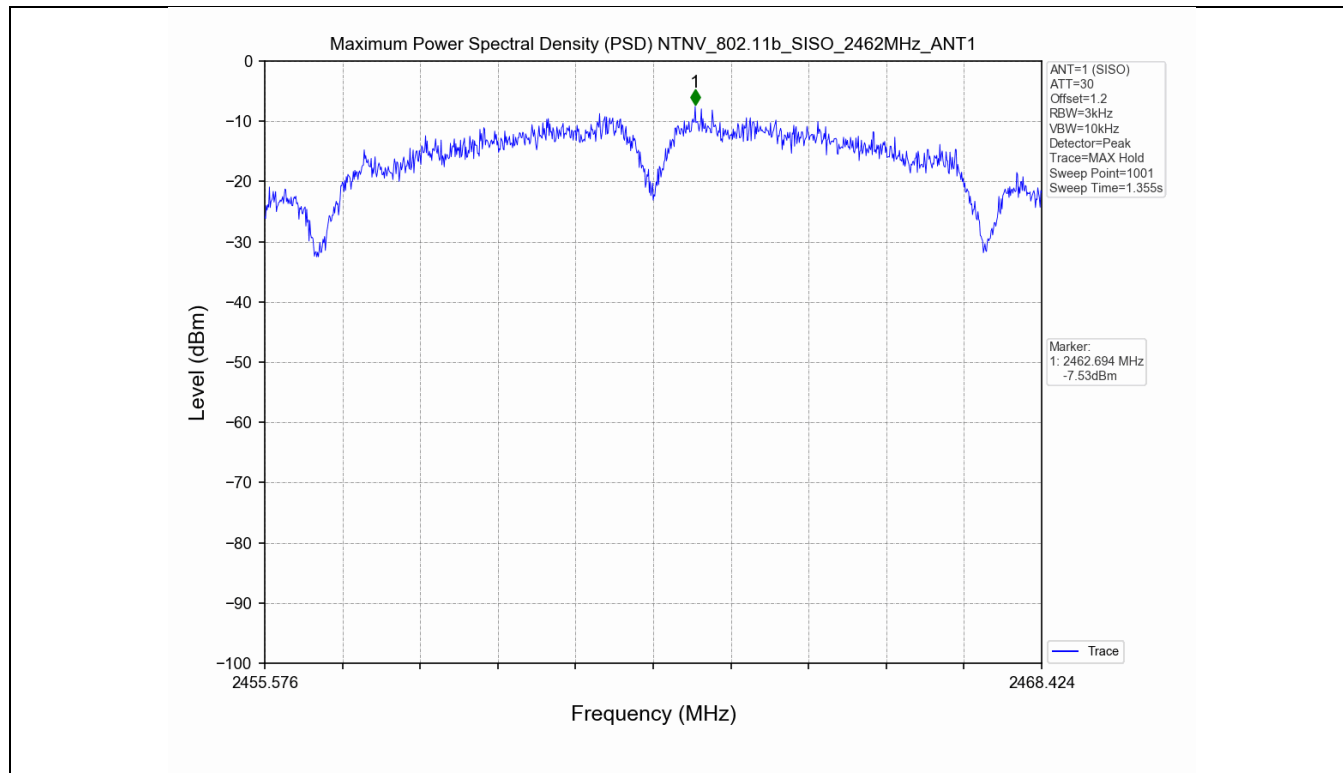
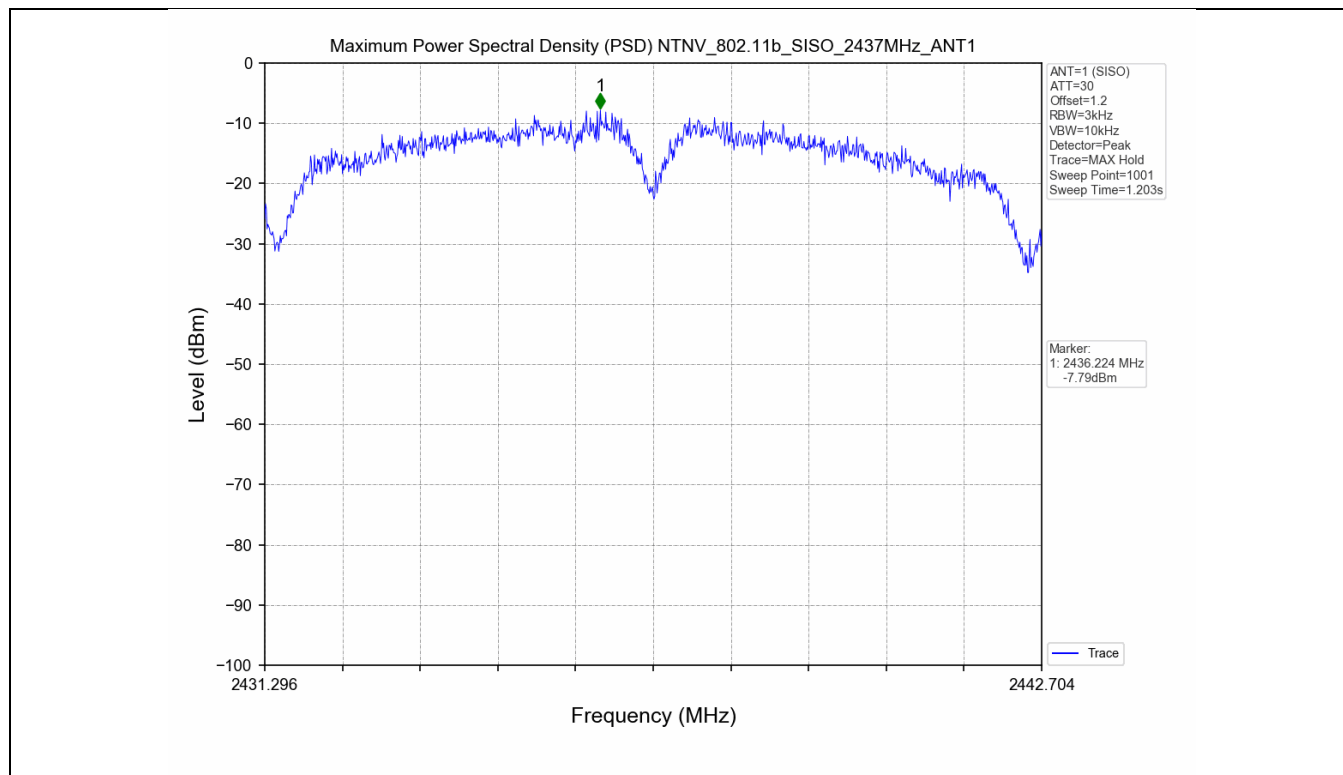
4. Maximum Power Spectral Density (PSD)

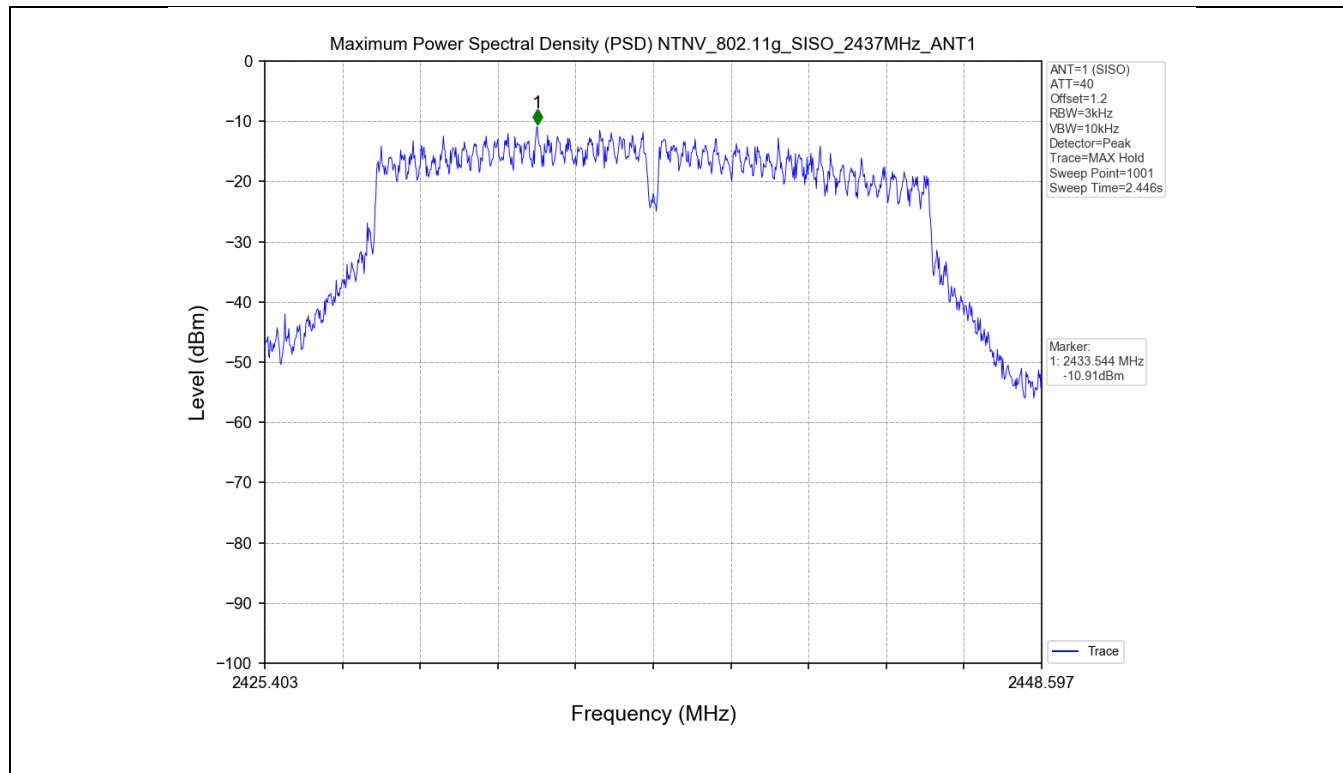
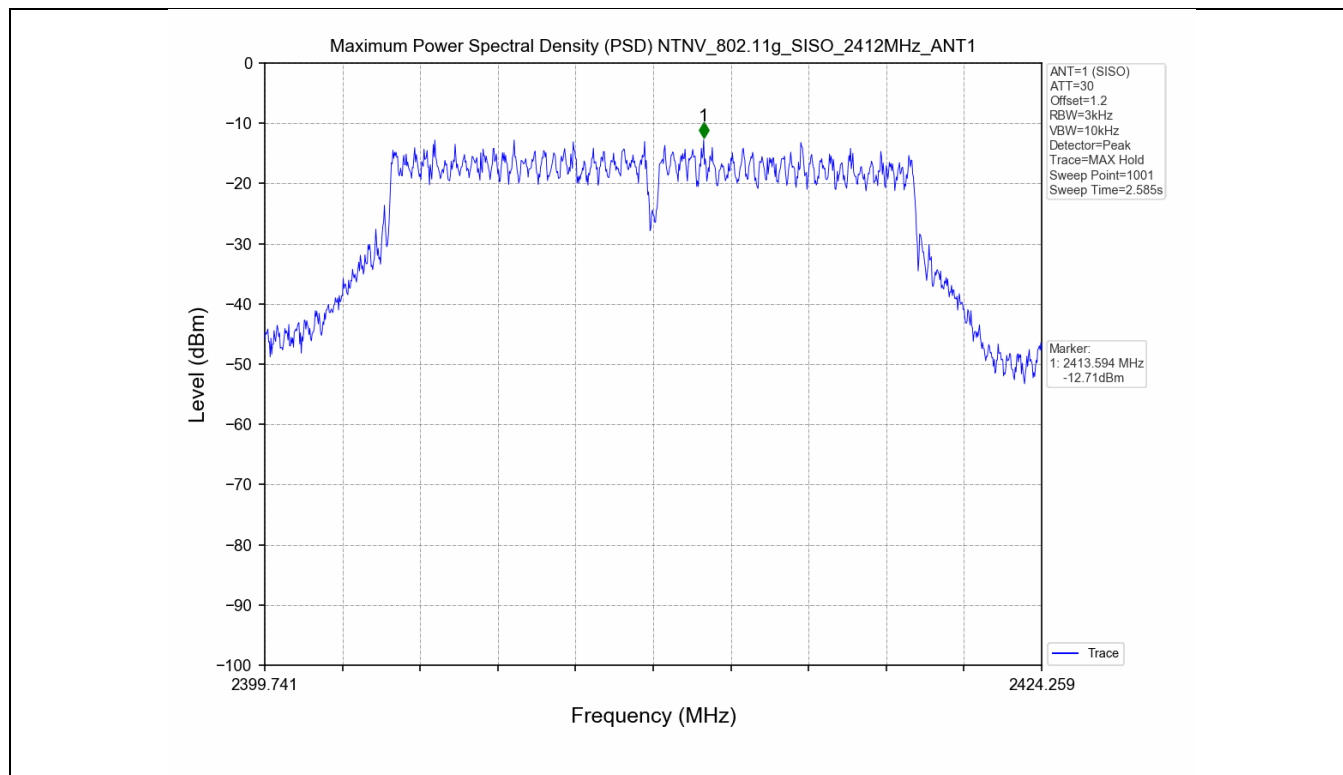
4.1 Test Result

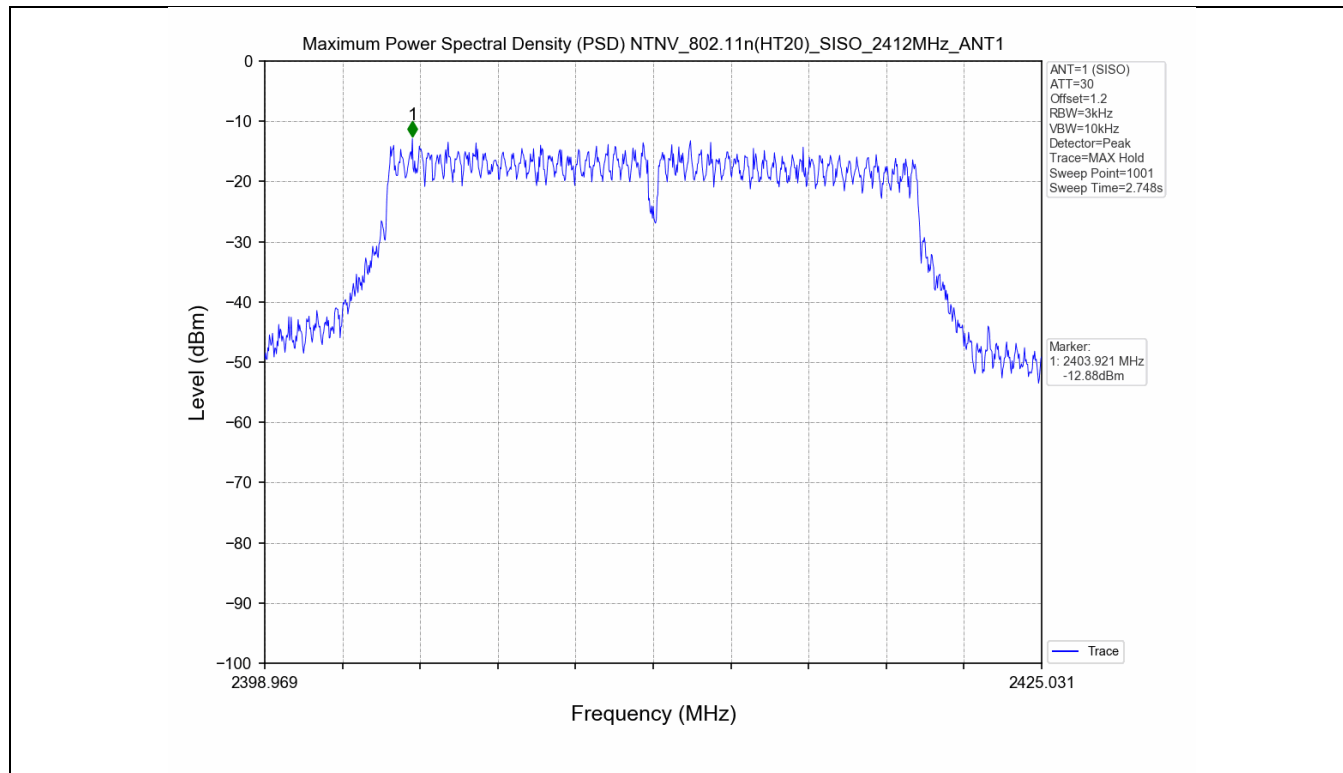
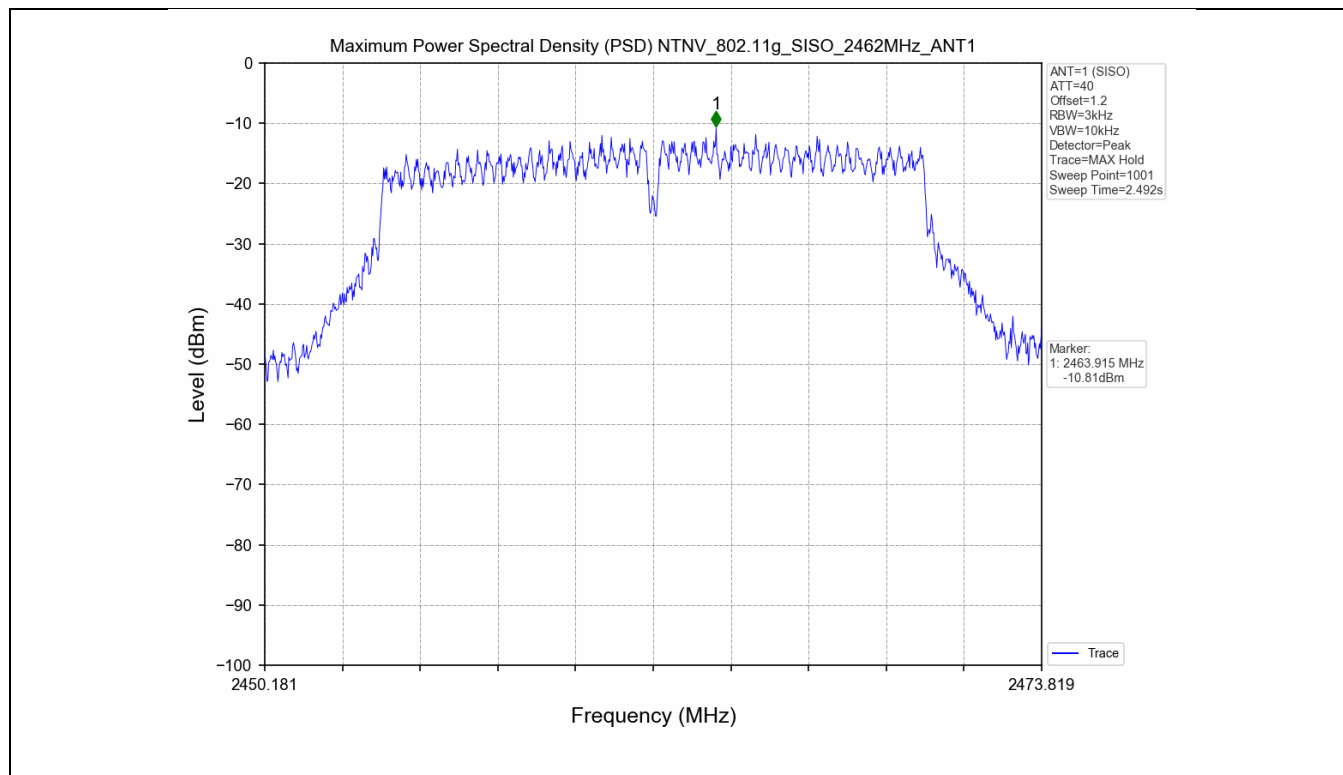
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.33	≤8	PASS
	2437	SISO	-7.79	≤8	PASS
	2462	SISO	-7.53	≤8	PASS
802.11g	2412	SISO	-12.71	≤8	PASS
	2437	SISO	-10.91	≤8	PASS
	2462	SISO	-10.81	≤8	PASS
802.11n(HT20)	2412	SISO	-12.88	≤8	PASS
	2437	SISO	-11.30	≤8	PASS
	2462	SISO	-11.59	≤8	PASS
802.11n(HT40)	2422	SISO	-12.58	≤8	PASS
	2437	SISO	-11.80	≤8	PASS
	2452	SISO	-13.78	≤8	PASS

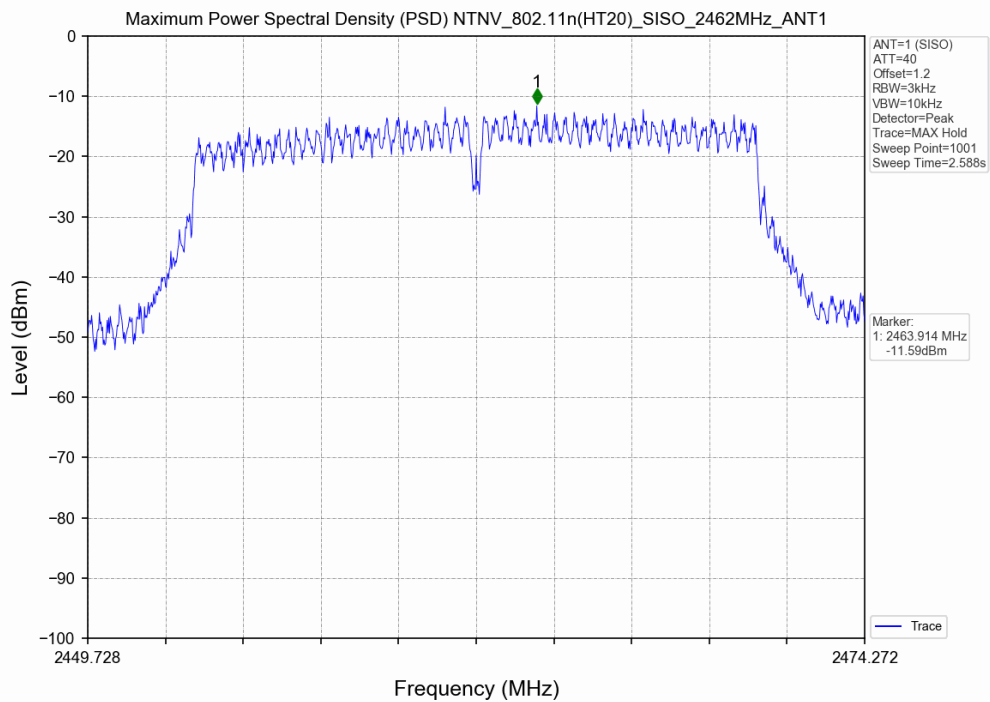
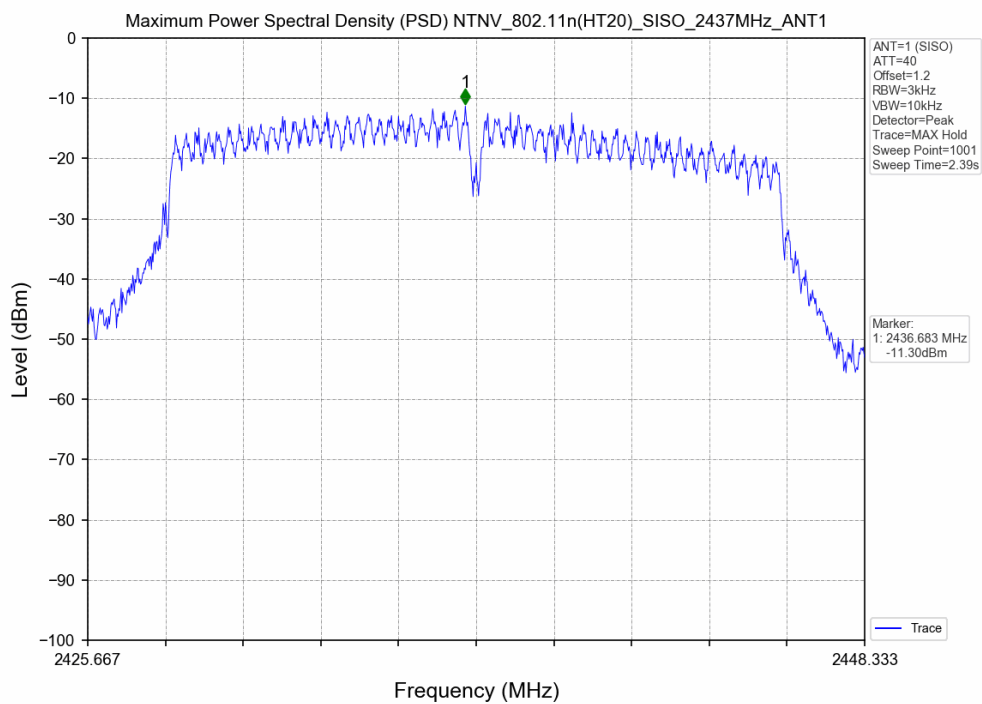
4.2 Test Graph

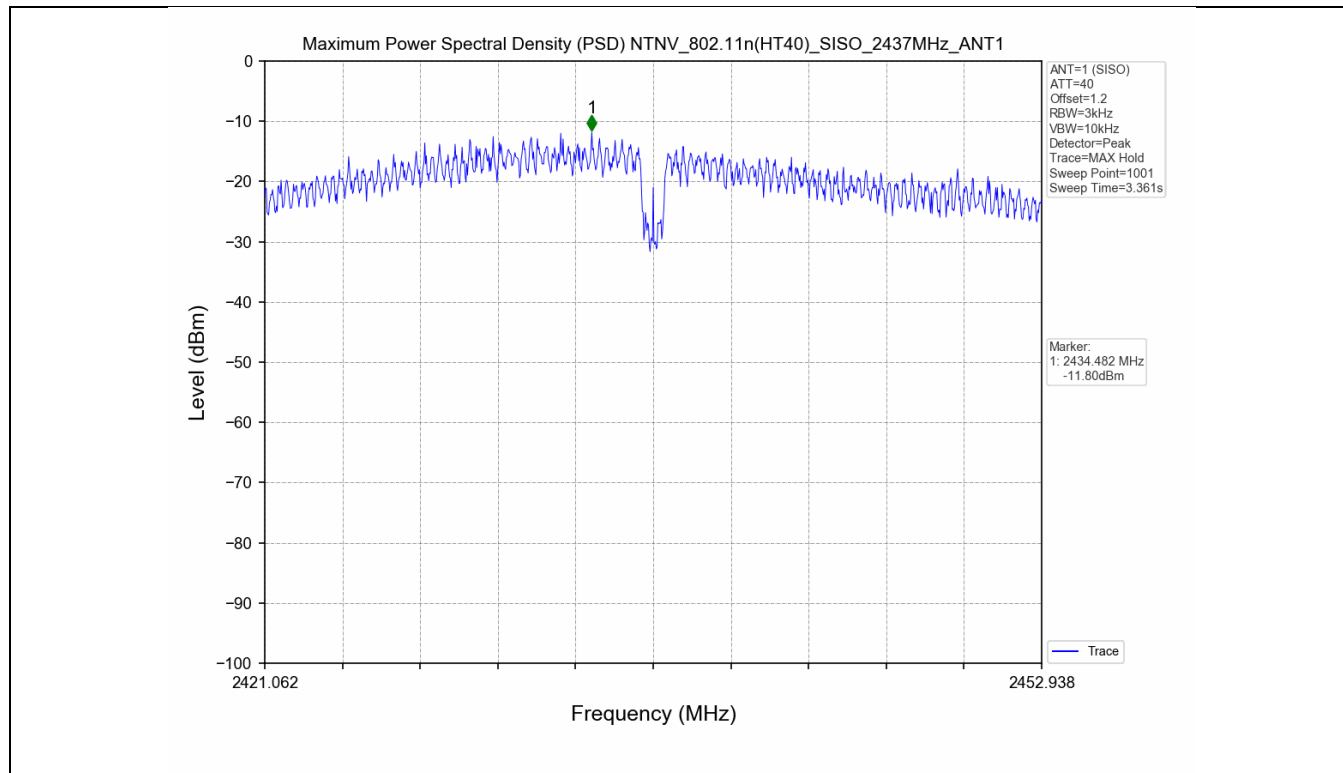
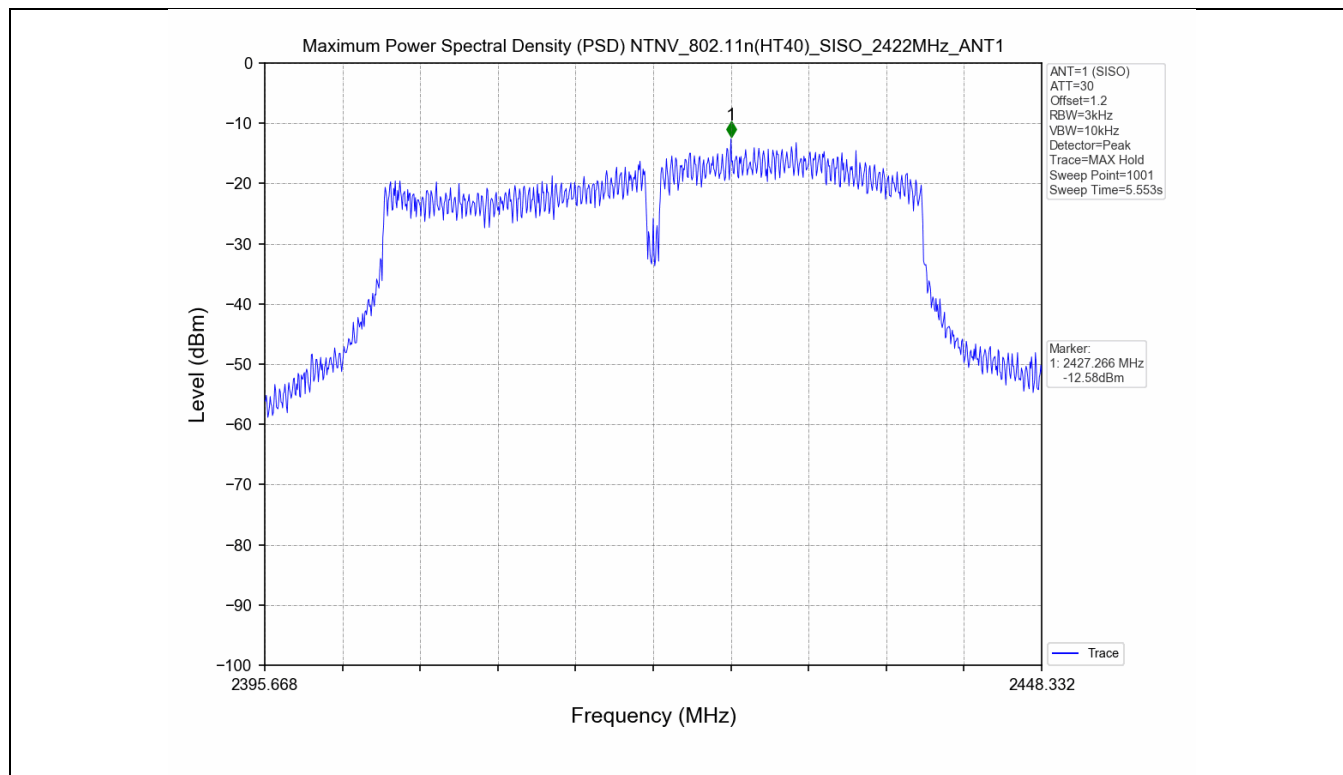


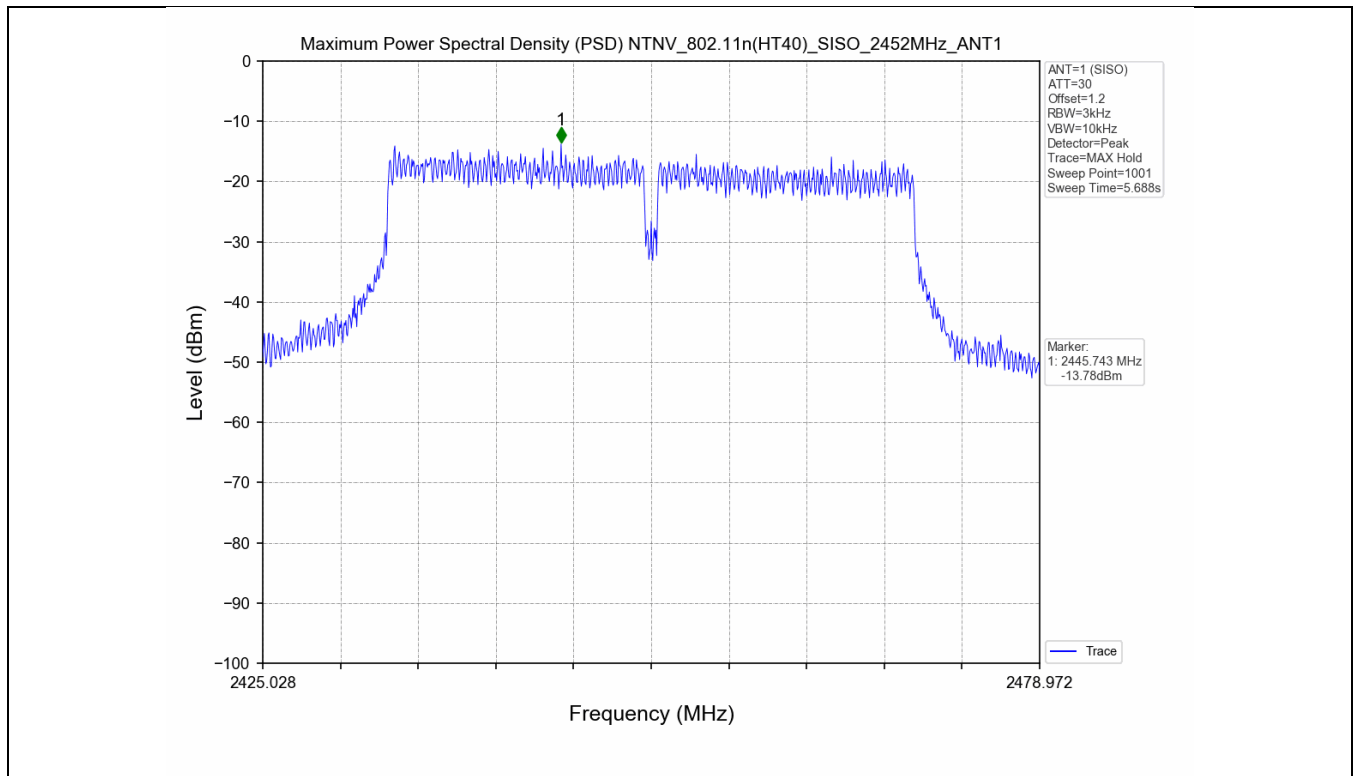












5. Unwanted Emissions in Non-restricted Frequency Bands

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	-13.83	PASS
	2437	SISO	1	Refer to test graph	-13.83	PASS
	2462	SISO	1	Refer to test graph	-13.83	PASS
802.11g	2412	SISO	1	Refer to test graph	-16.93	PASS
	2437	SISO	1	Refer to test graph	-16.93	PASS
	2462	SISO	1	Refer to test graph	-16.93	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-16.97	PASS
	2437	SISO	1	Refer to test graph	-16.97	PASS
	2462	SISO	1	Refer to test graph	-16.97	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-17.68	PASS
	2437	SISO	1	Refer to test graph	-17.68	PASS
	2452	SISO	1	Refer to test graph	-17.68	PASS

5.2 Test Graph

