

Appendix: 2.4G Wi-Fi

Content

1. Duty Cycle	4
1.1 Test Result	4
1.1.1 Ant1	4
1.2 Test Graph	5
1.2.1 Ant1	5
2. Bandwidth	10
2.1 Test Result	10
2.1.1 OBW	10
2.1.2 6dB BW	10
2.2 Test Graph	11
2.2.1 OBW	11
2.2.2 6dB BW	16
3. Maximum Conducted Output Power	21
3.1 Test Result	21
3.1.1 Power	21
4. Maximum Power Spectral Density	22
4.1 Test Result	22
4.1.1 PSD	22
4.2 Test Graph	23
4.2.1 PSD	23
5. Unwanted Emissions In Non-restricted Frequency Bands	28
5.1 Test Result	28
5.1.1 Ref	28
5.1.2 CSE	28

5.2 Test Graph 29

5.2.1 Ref 29

5.2.2 CSE 34

1. Duty Cycle

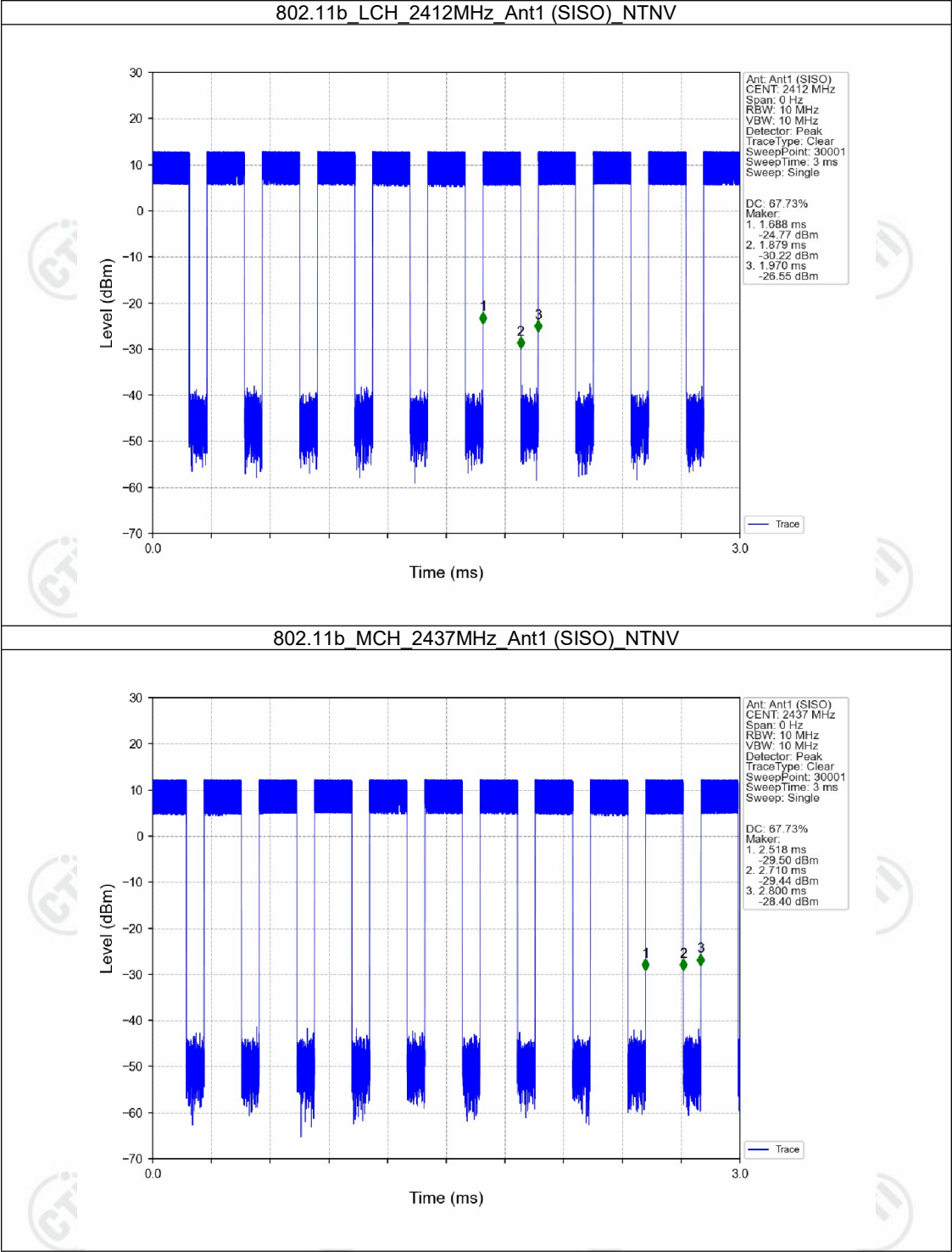
1.1 Test Result

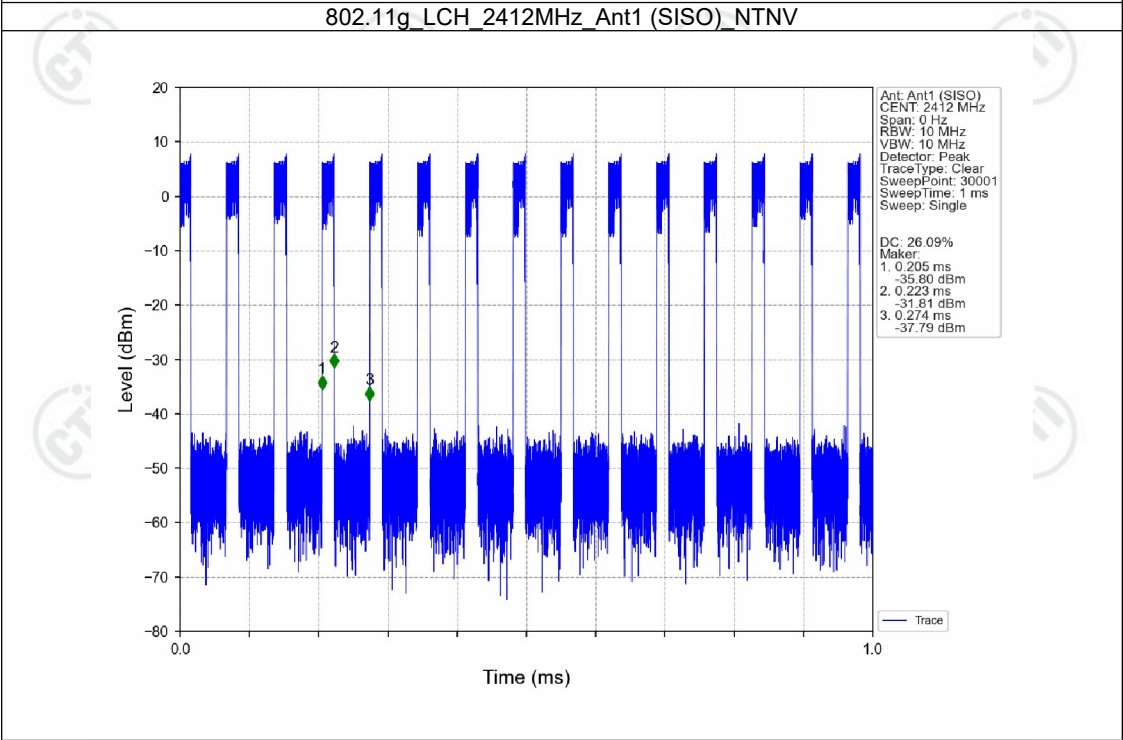
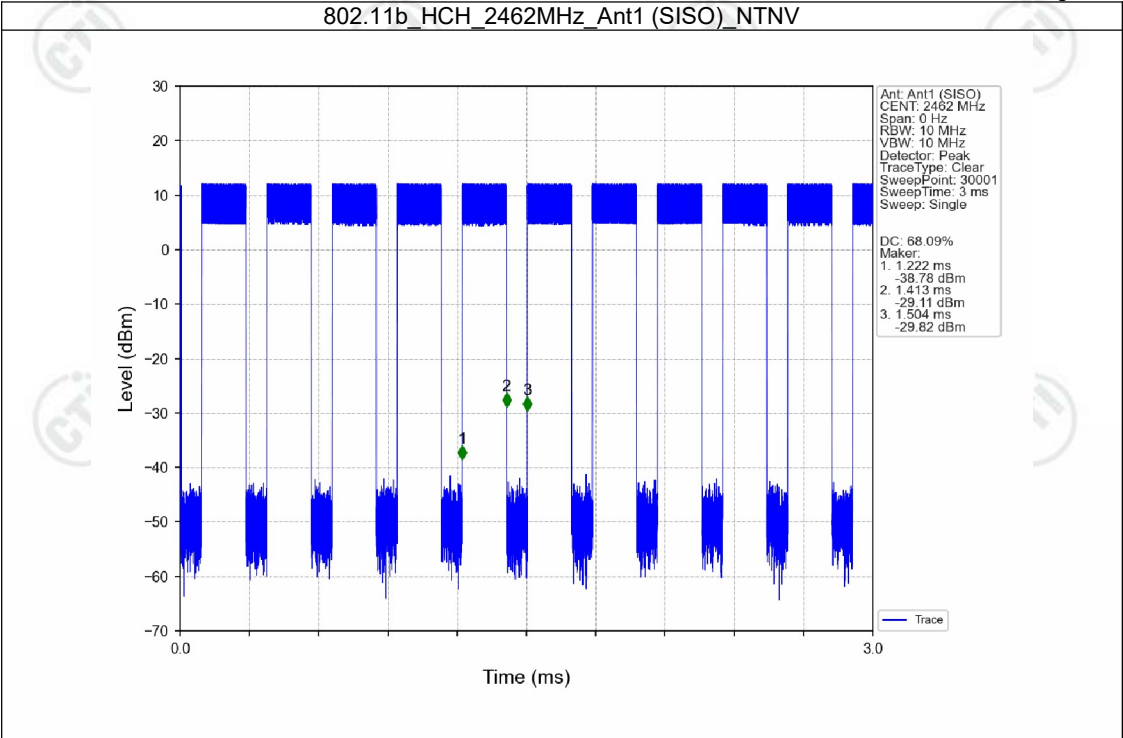
1.1.1 Ant1

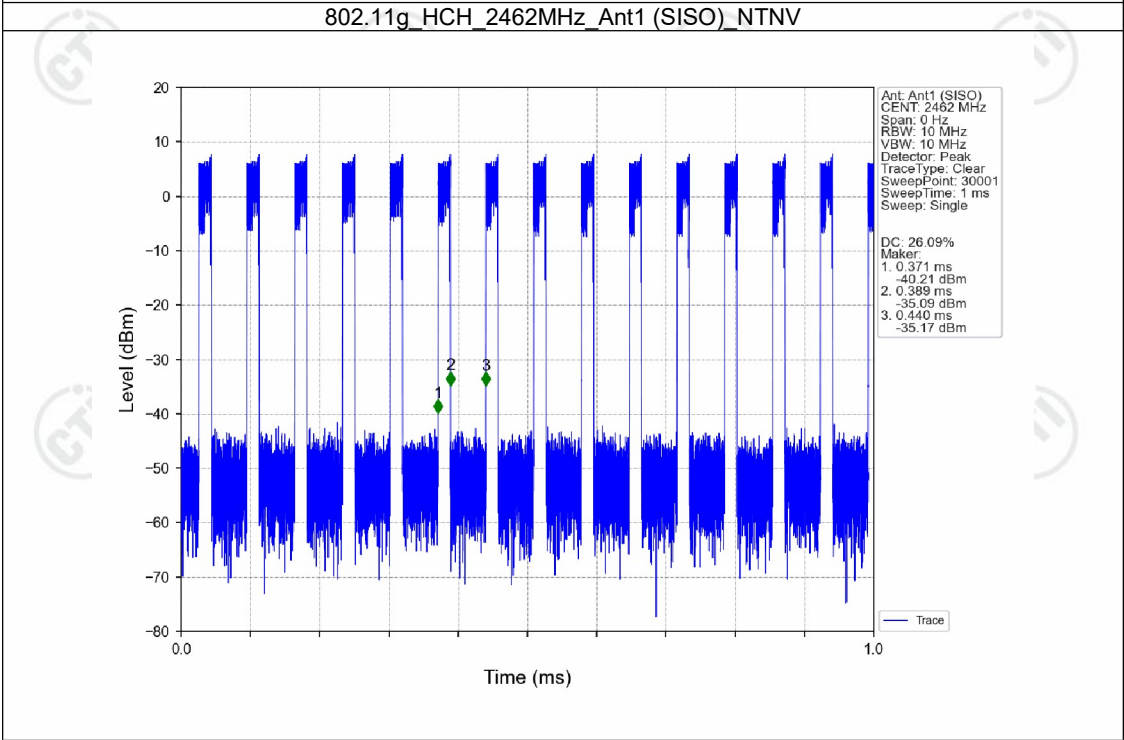
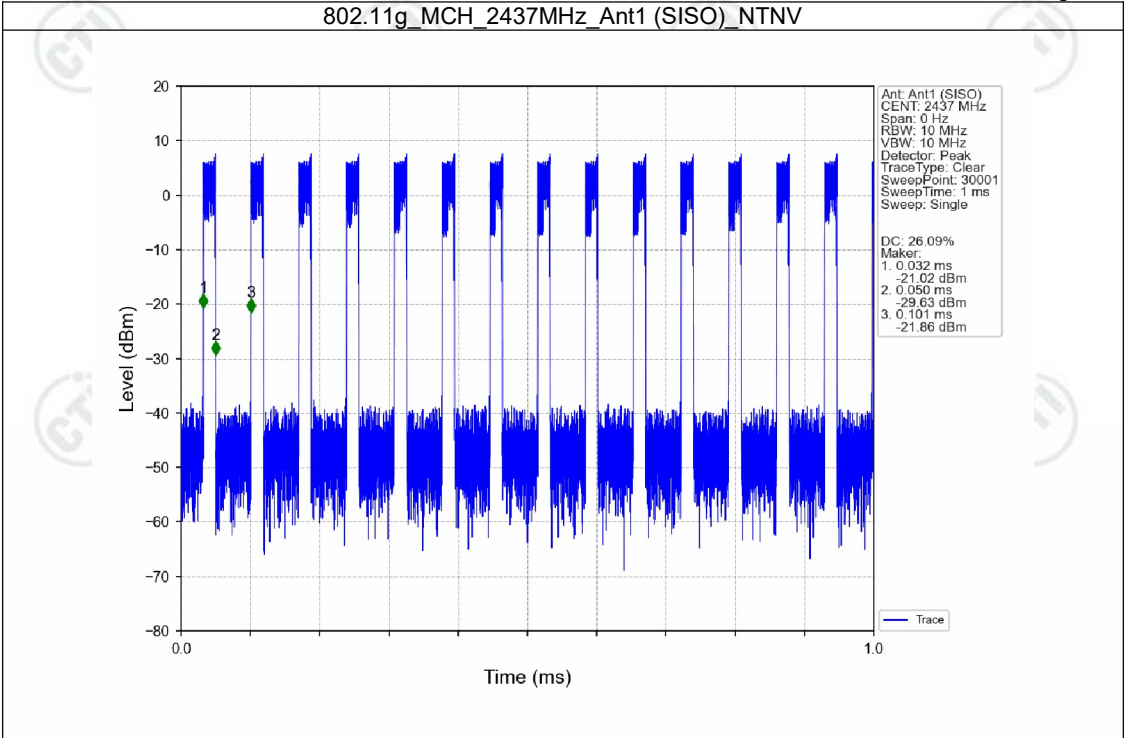
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.191	0.282	67.73	1.69	0.04
		2437	0.191	0.282	67.73	1.69	0.04
		2462	0.192	0.282	68.09	1.67	0.02
802.11g	SISO	2412	0.018	0.069	26.09	5.84	0.10
		2437	0.018	0.069	26.09	5.84	0.14
		2462	0.018	0.069	26.09	5.84	0.11
802.11n (HT20)	SISO	2412	0.034	0.085	40.00	3.98	0.04
		2437	0.034	0.085	40.00	3.98	0.13
		2462	0.034	0.085	40.00	3.98	0.08

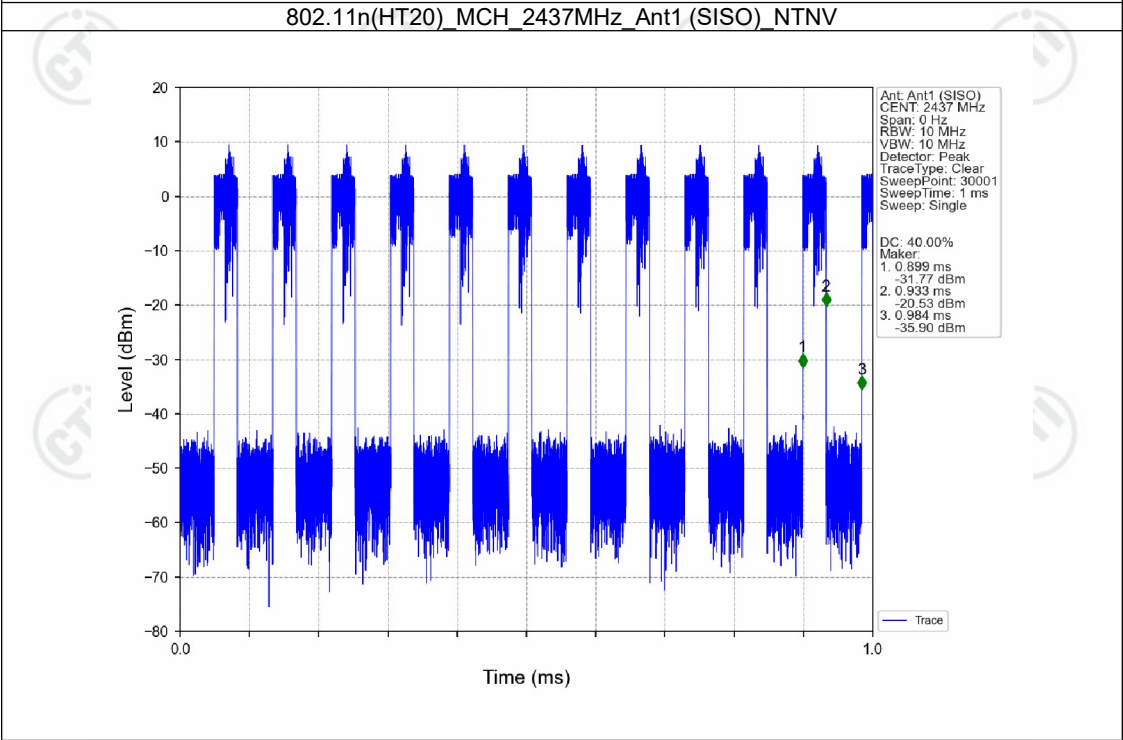
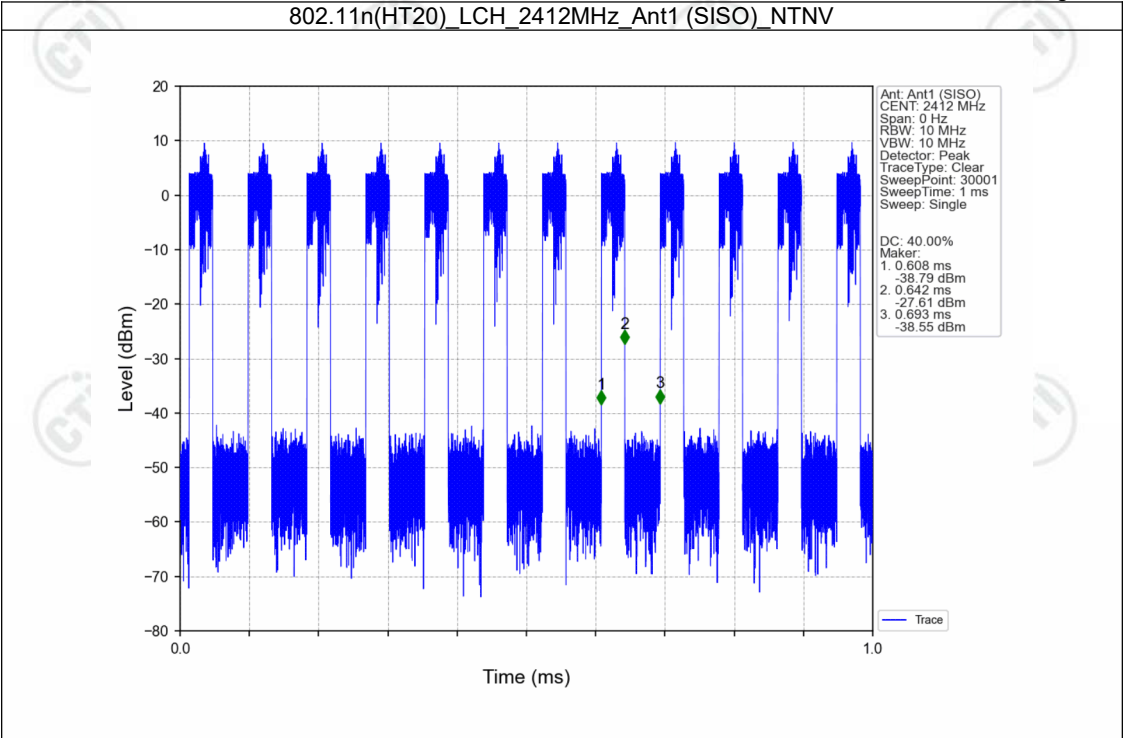
1.2 Test Graph

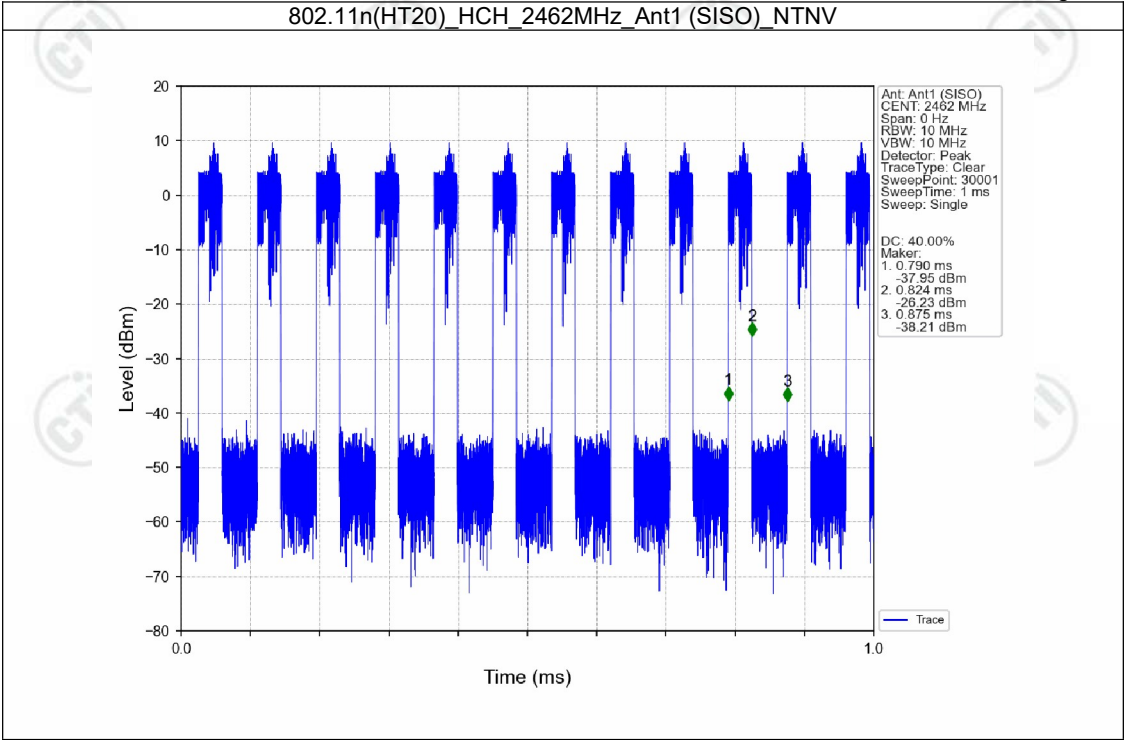
1.2.1 Ant1











2. Bandwidth

2.1 Test Result

2.1.1 OBW

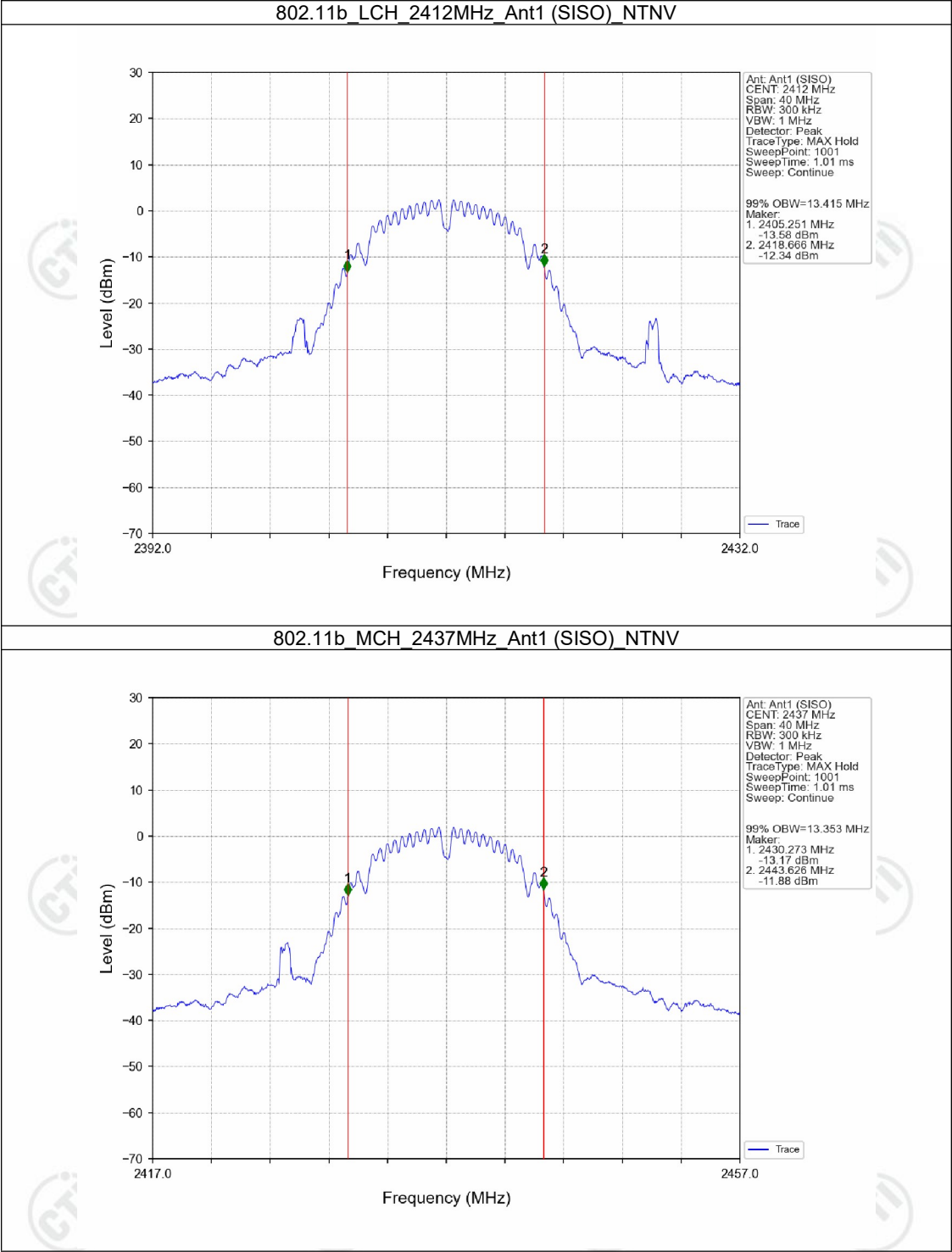
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	13.415	/	Pass
		2437	1	13.353	/	Pass
		2462	1	13.364	/	Pass
802.11g	SISO	2412	1	17.280	/	Pass
		2437	1	17.243	/	Pass
		2462	1	17.226	/	Pass
802.11n (HT20)	SISO	2412	1	17.662	/	Pass
		2437	1	17.675	/	Pass
		2462	1	17.615	/	Pass

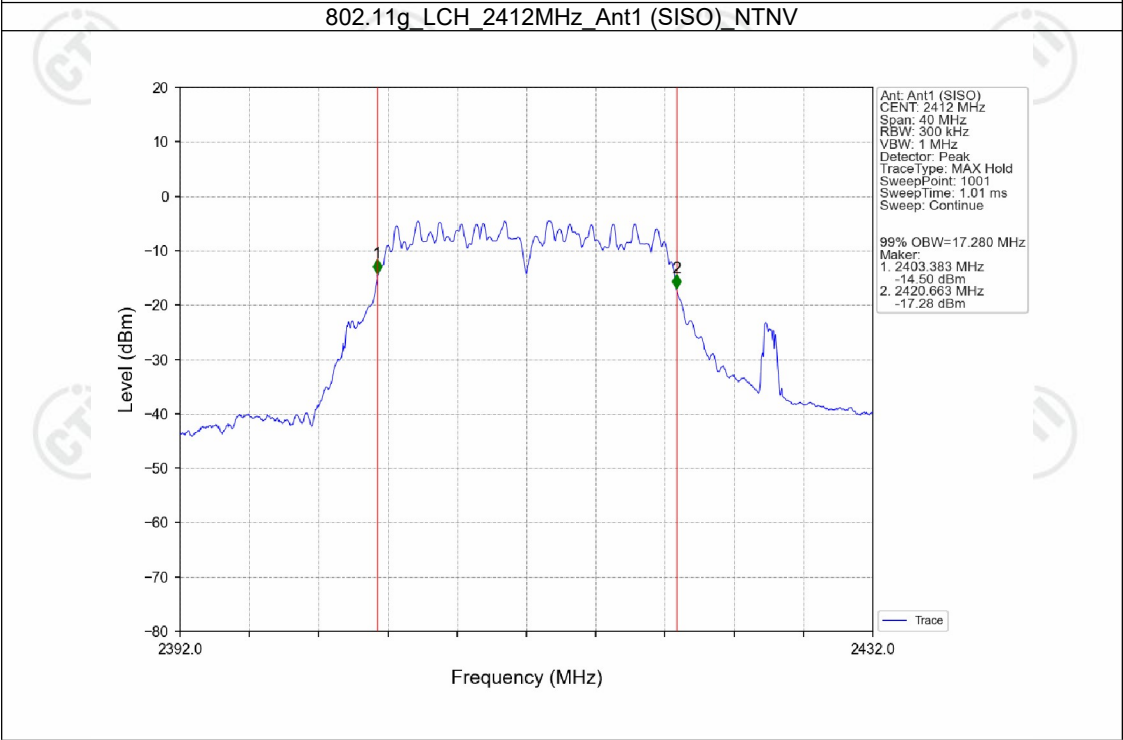
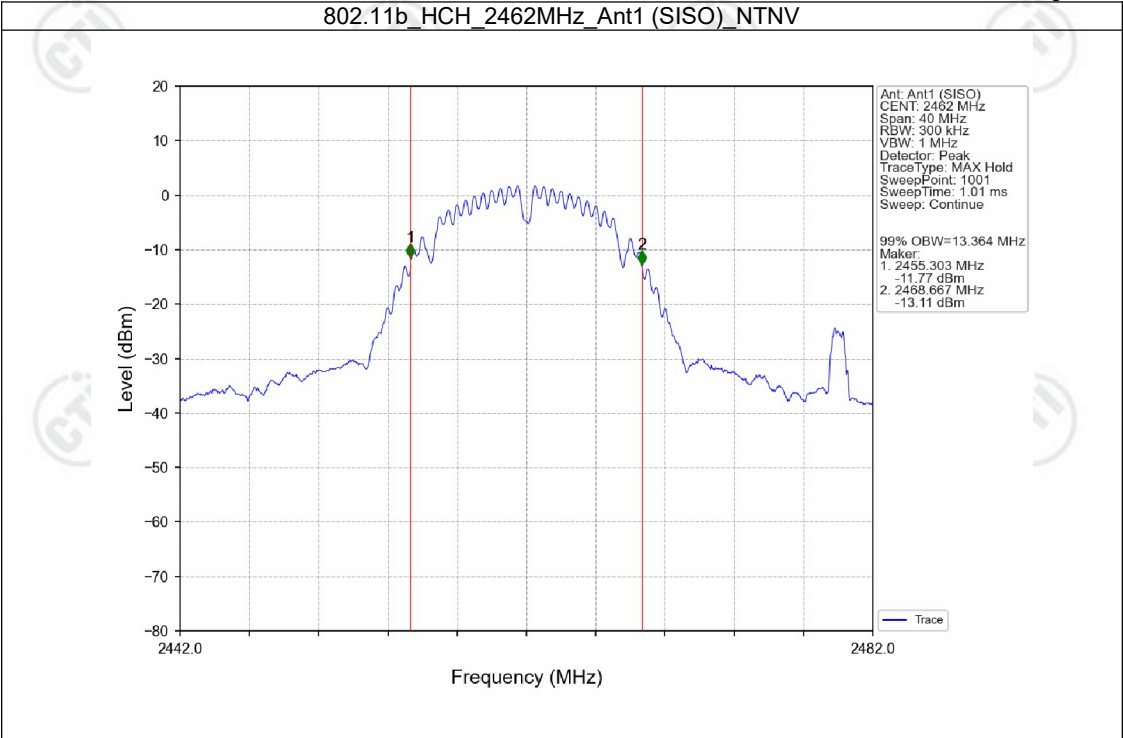
2.1.2 6dB BW

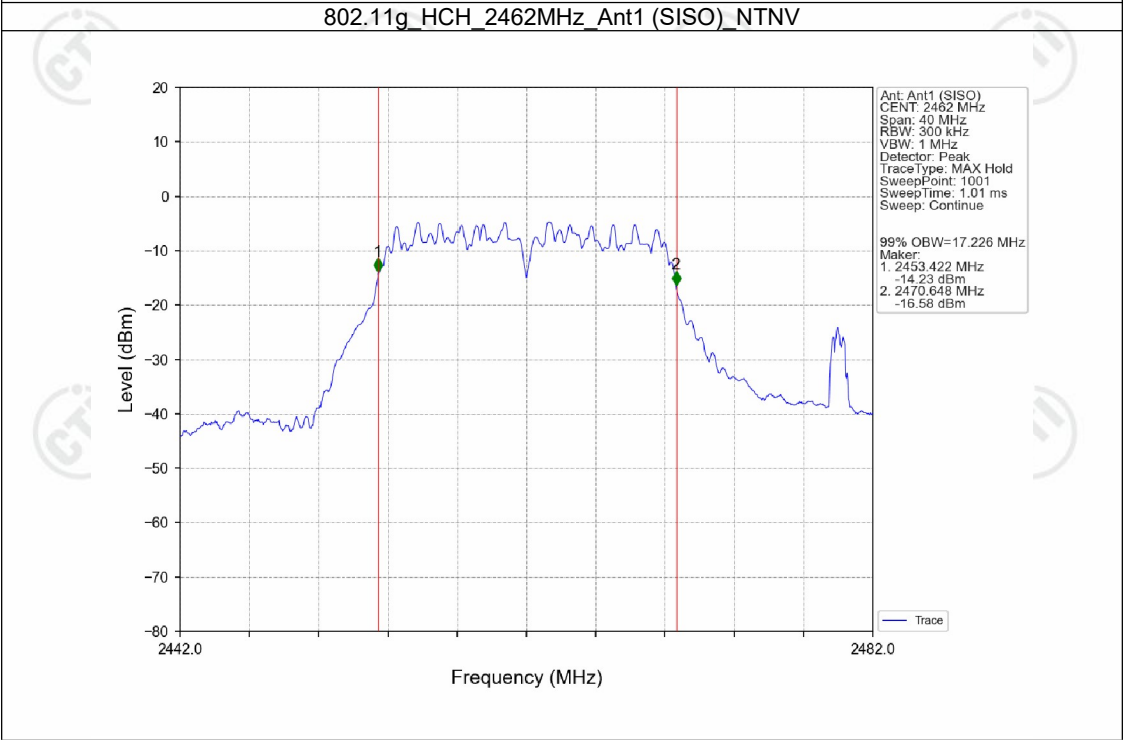
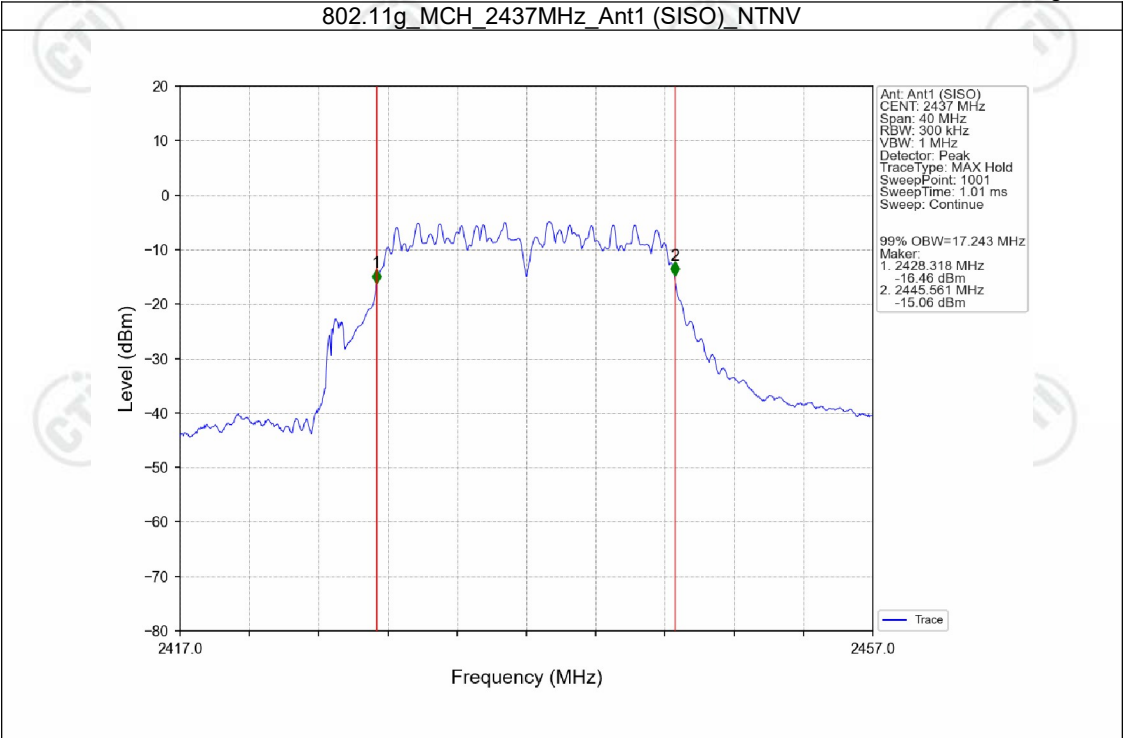
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.694	≥ 0.5	Pass
		2437	1	9.673	≥ 0.5	Pass
		2462	1	9.686	≥ 0.5	Pass
802.11g	SISO	2412	1	16.298	≥ 0.5	Pass
		2437	1	16.293	≥ 0.5	Pass
		2462	1	16.303	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.782	≥ 0.5	Pass
		2437	1	16.782	≥ 0.5	Pass
		2462	1	16.797	≥ 0.5	Pass

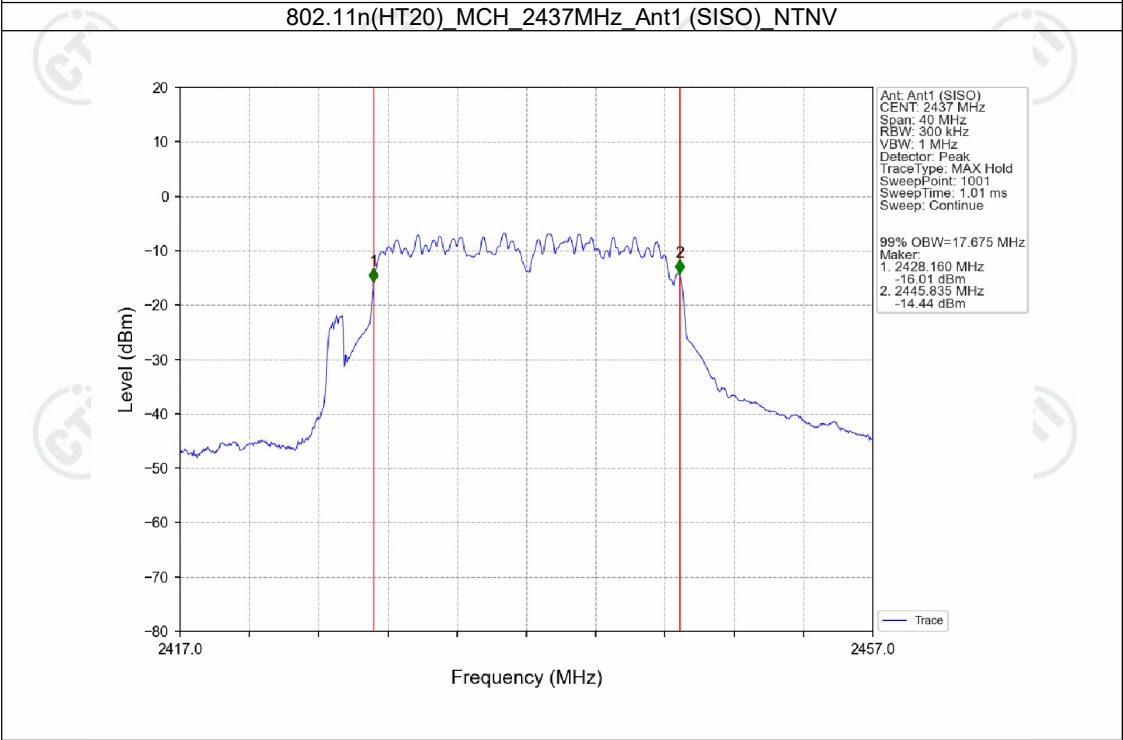
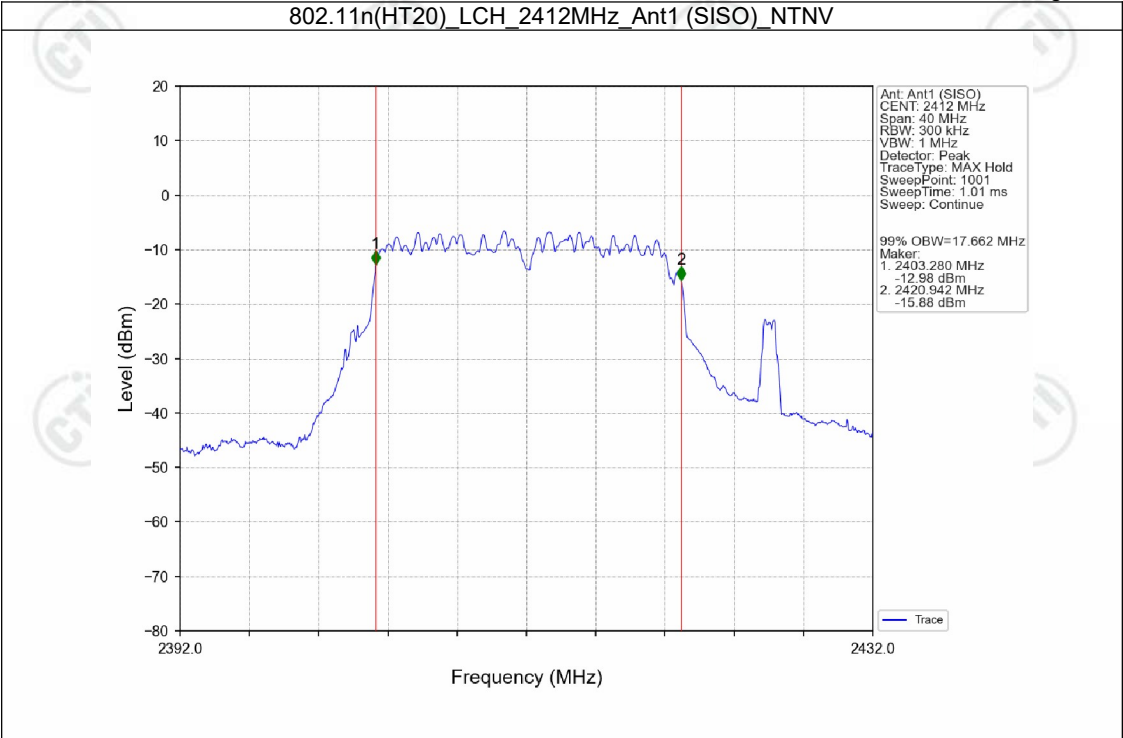
2.2 Test Graph

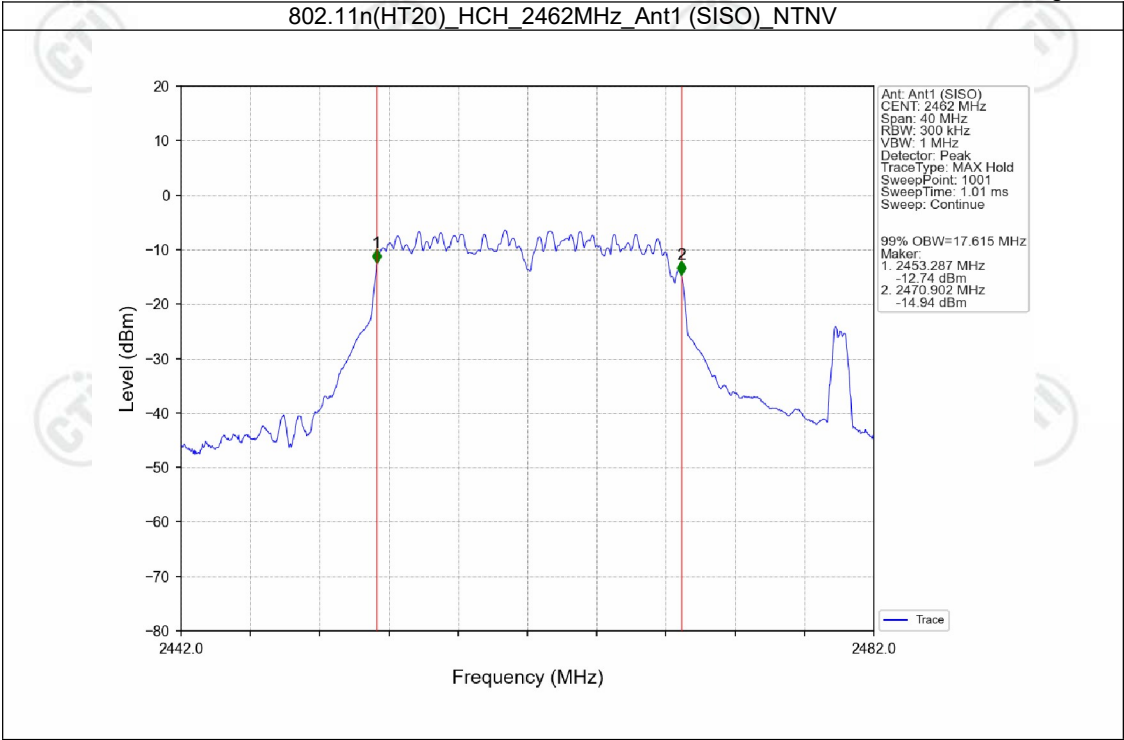
2.2.1 OBW











2.2.2 6dB BW

