

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	11
2.1 Test Result	11
2.1.1 OBW	11
2.1.2 6dB BW	11
2.2 Test Graph	12
2.2.1 OBW	12
2.2.2 6dB BW	18
3. Maximum Conducted Output Power	24
3.1 Test Result	24
3.1.1 Power	24
4. Maximum Power Spectral Density	25
4.1 Test Result	25
4.1.1 PSD	25
4.2 Test Graph	26
4.2.1 PSD	26
5. Unwanted Emissions In Non-restricted Frequency Bands	32
5.1 Test Result	32
5.1.1 Ref	32
5.1.2 CSE	32

5.2 Test Graph 33

5.2.1 Ref 33

5.2.2 CSE 39

1. Duty Cycle

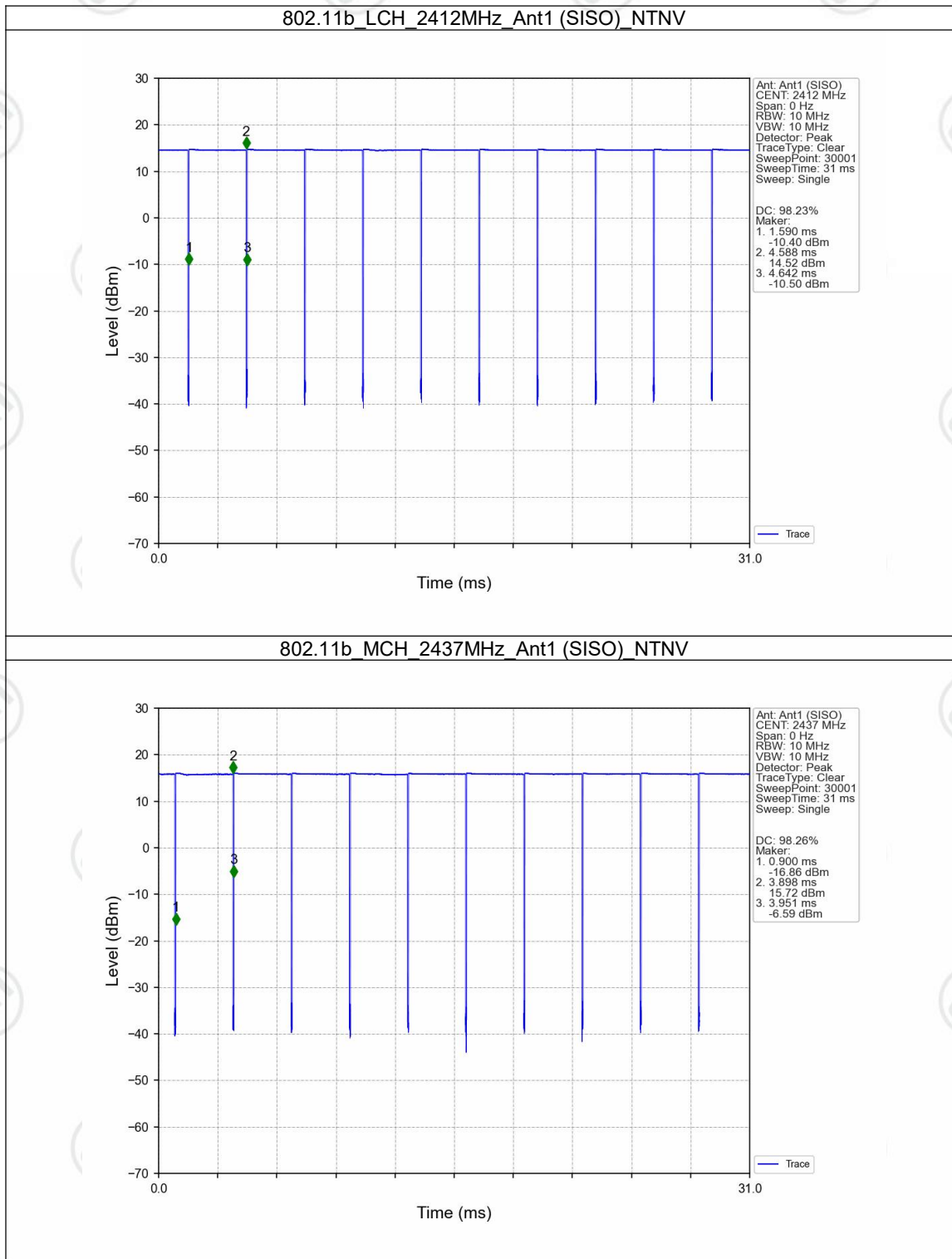
1.1 Test Result

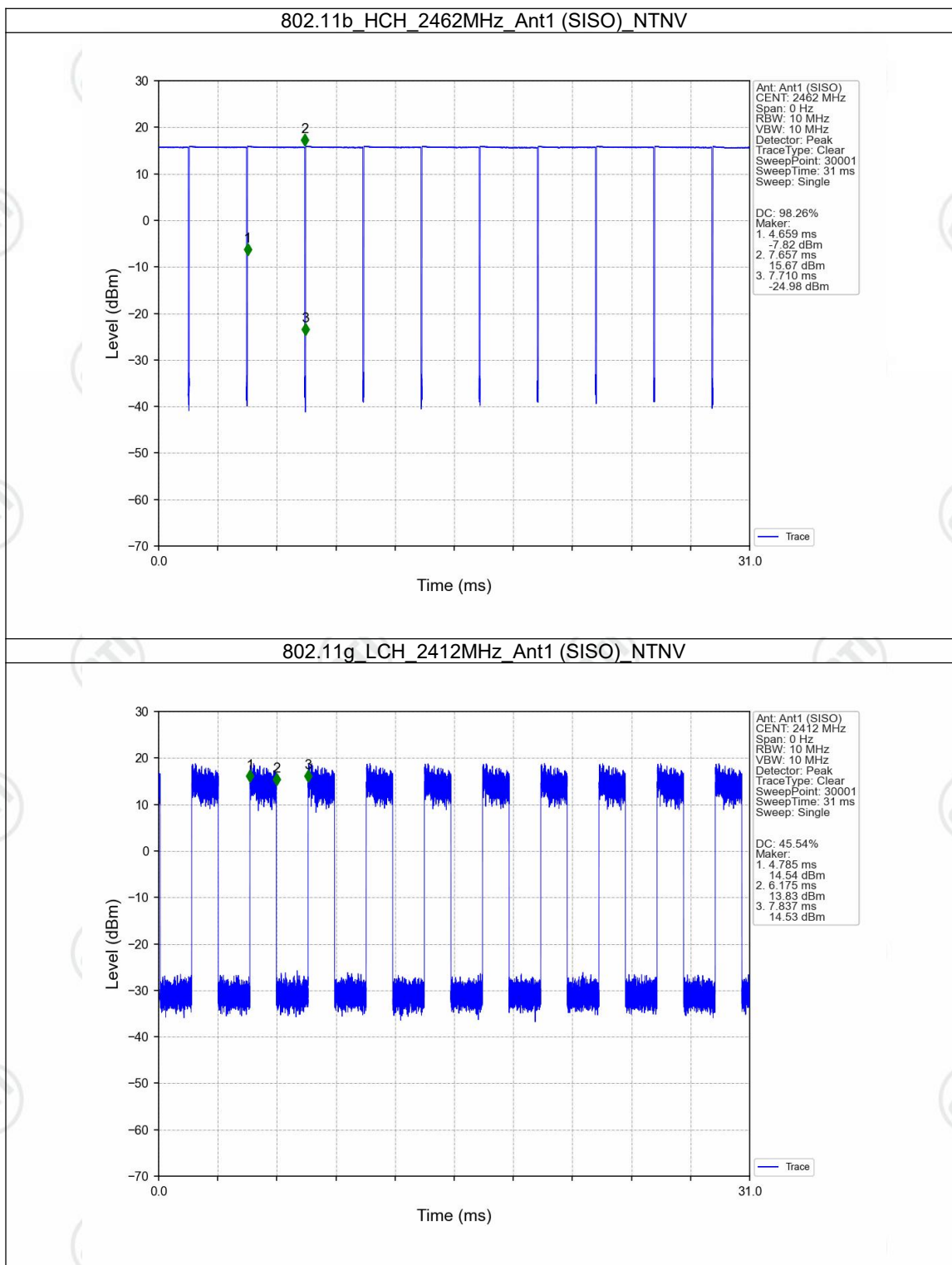
1.1.1 Ant1

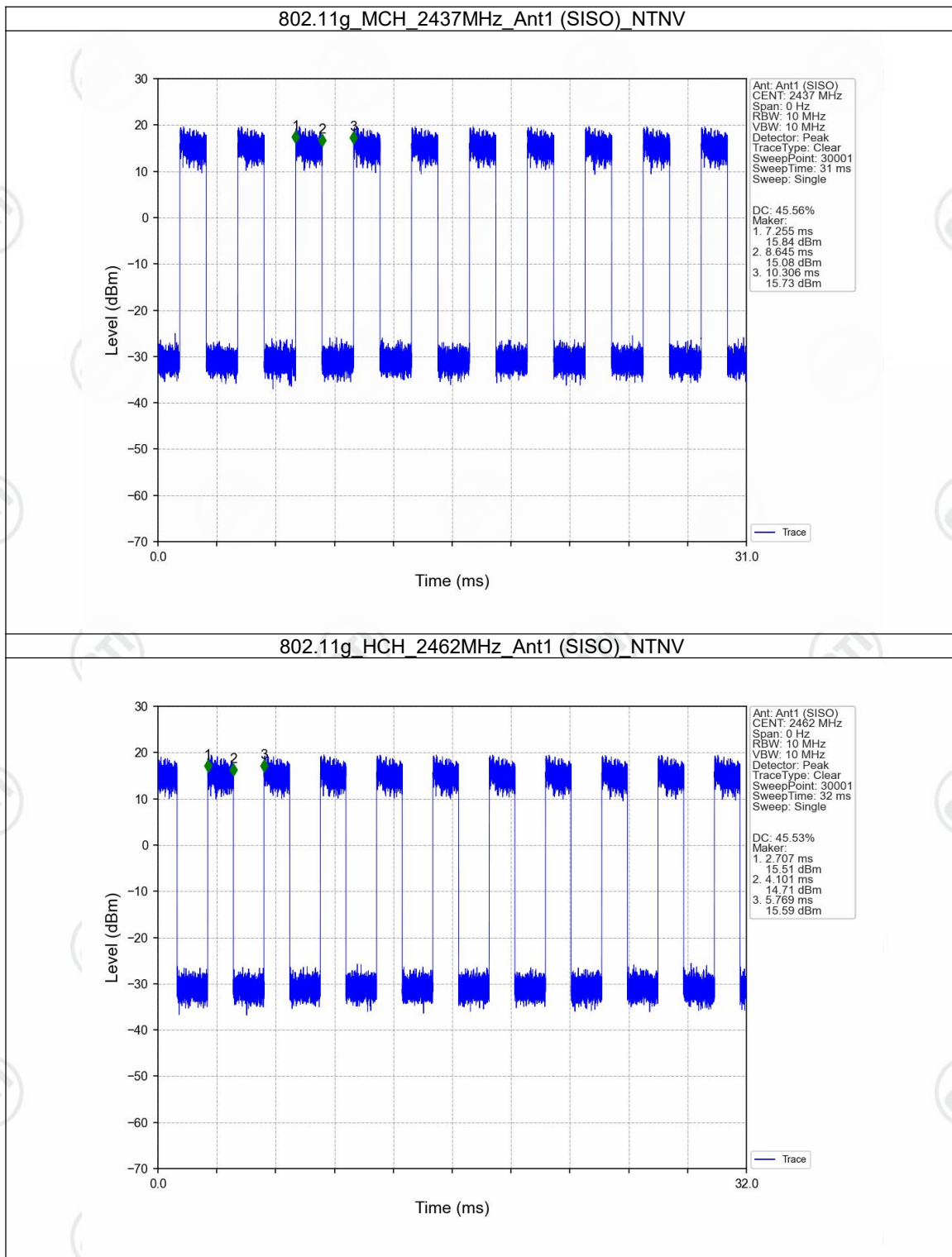
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	2.998	3.052	98.23	0.08	0.03
		2437	/	/	2.998	3.051	98.26	0.08	0.03
		2462	/	/	2.998	3.051	98.26	0.08	0.00
802.11g	SISO	2412	/	/	1.390	3.052	45.54	3.42	0.03
		2437	/	/	1.390	3.051	45.56	3.41	0.03
		2462	/	/	1.394	3.062	45.53	3.42	0.02
802.11n (HT20)	SISO	2412	/	/	1.298	3.051	42.54	3.71	0.03
		2437	/	/	1.298	3.051	42.54	3.71	0.03
		2462	/	/	1.303	3.062	42.55	3.71	0.01
802.11ax (HEW20)	SISO	2412	SU	/	1.067	3.060	34.87	4.58	0.02
		2437	SU	/	1.067	3.060	34.87	4.58	0.03
		2462	SU	/	1.064	3.050	34.89	4.57	0.02

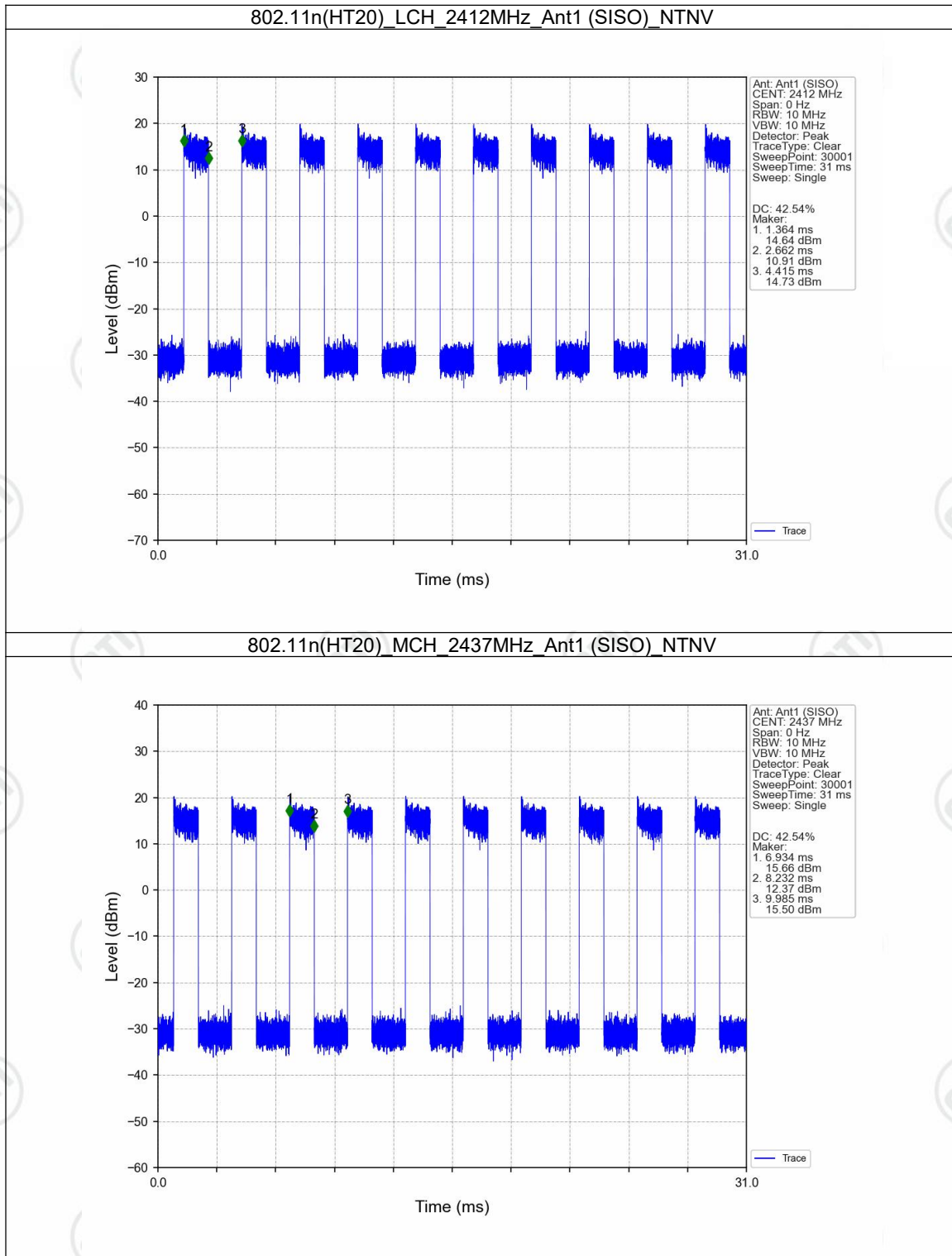
1.2 Test Graph

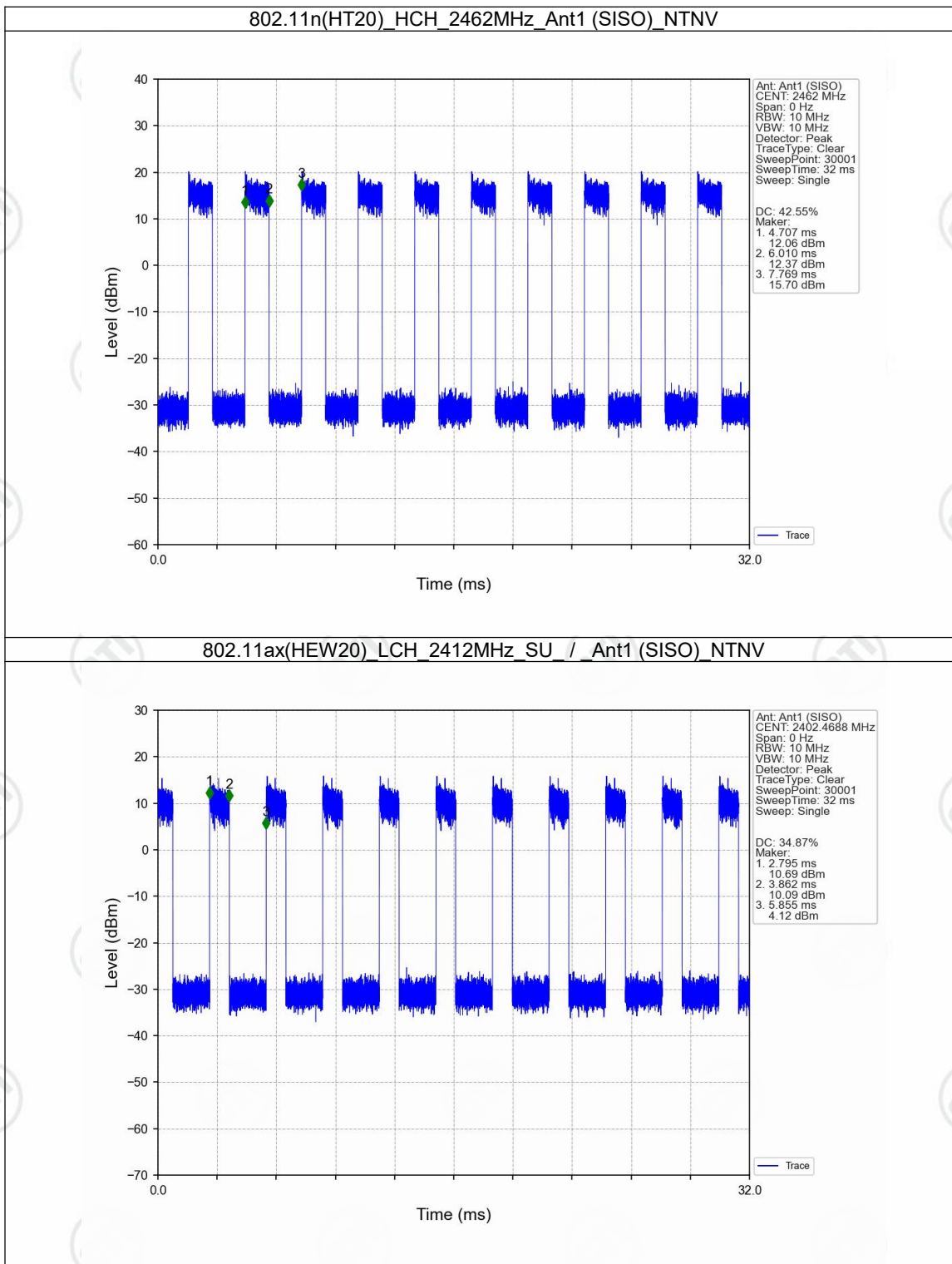
1.2.1 Ant1

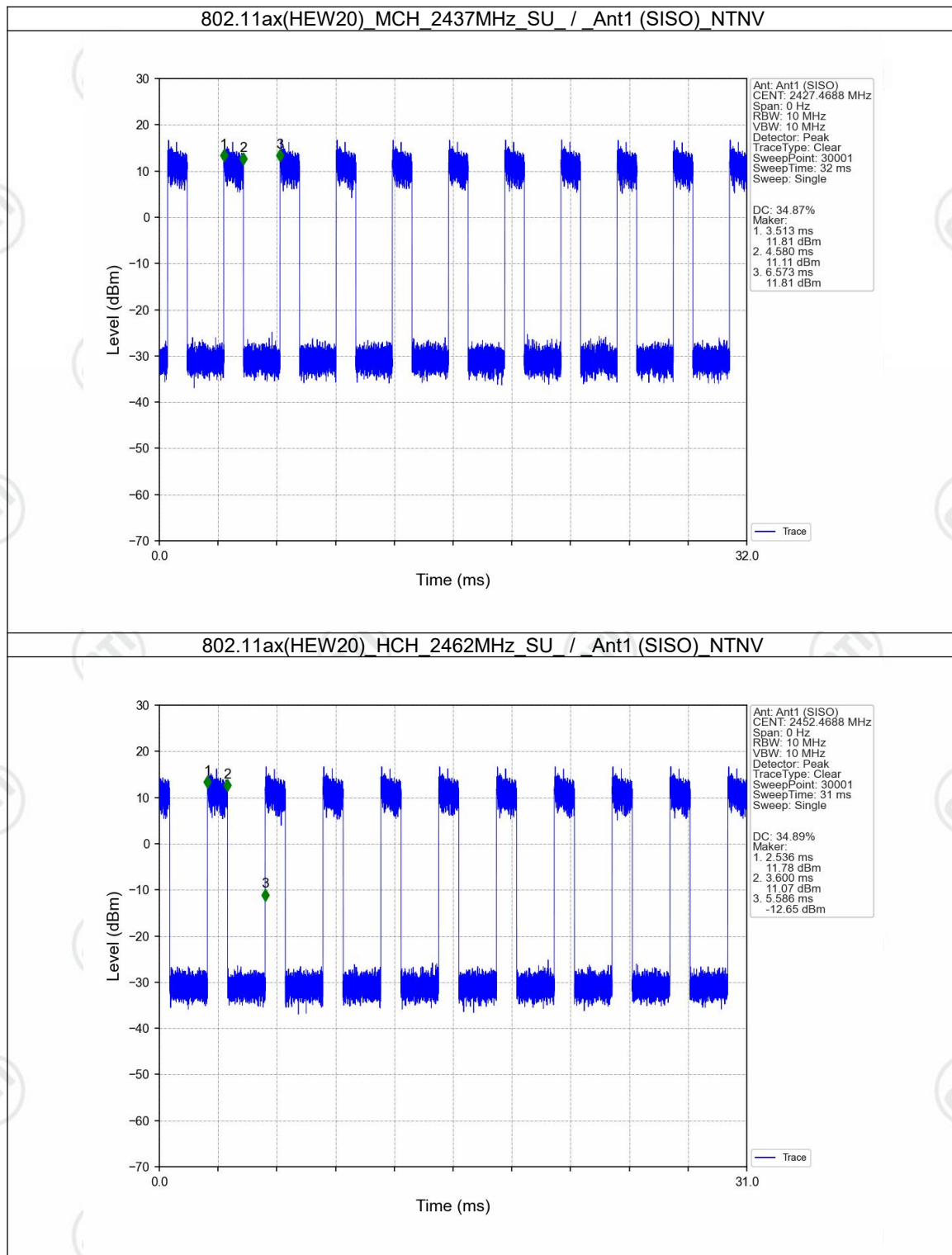












2. Bandwidth

2.1 Test Result

2.1.1 OBW

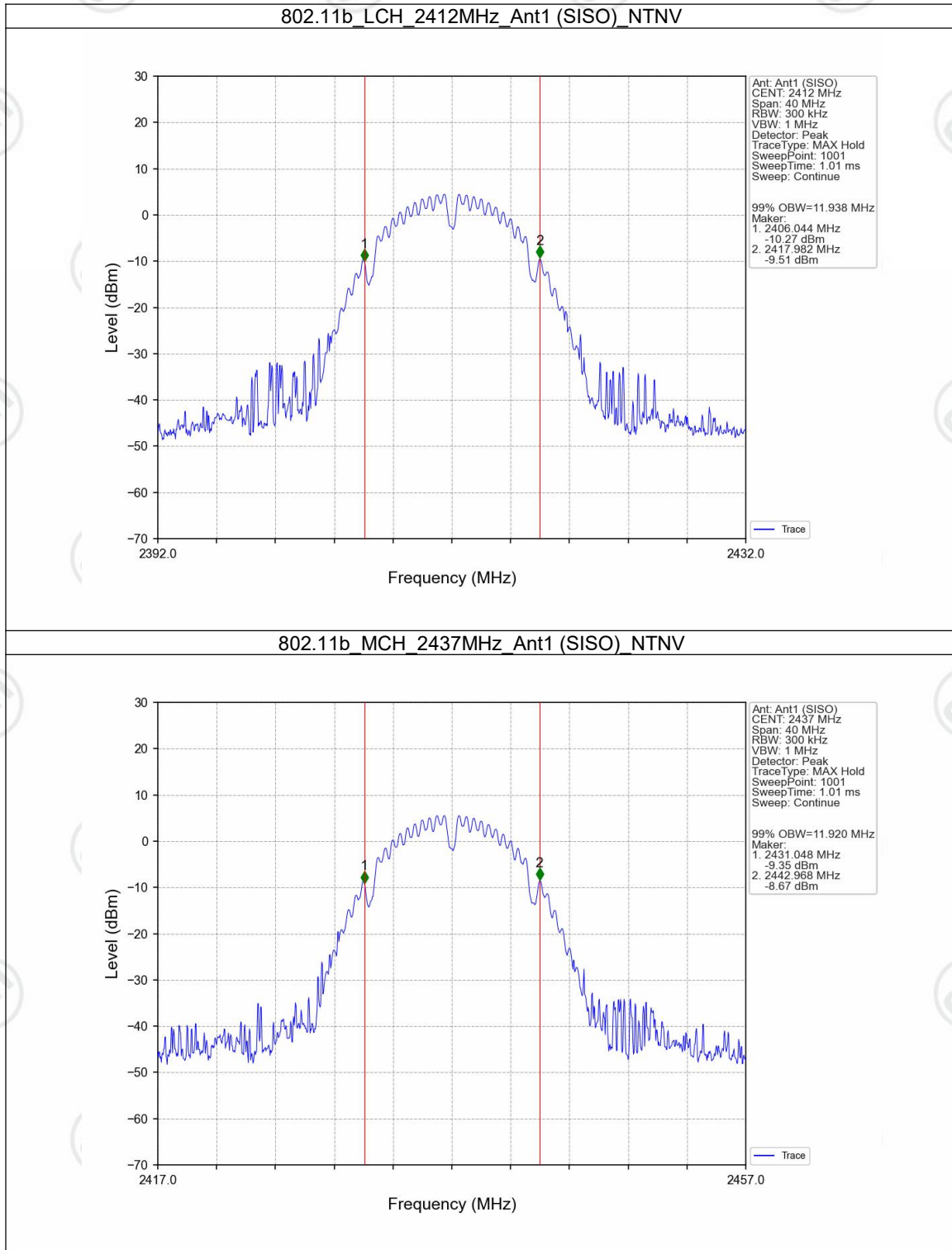
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	11.938	/	Pass
		2437	/	/	1	11.920	/	Pass
		2462	/	/	1	11.909	/	Pass
802.11g	SISO	2412	/	/	1	16.447	/	Pass
		2437	/	/	1	16.440	/	Pass
		2462	/	/	1	16.459	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	17.761	/	Pass
		2437	/	/	1	17.756	/	Pass
		2462	/	/	1	17.880	/	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.832	/	Pass
		2437	SU	/	1	18.866	/	Pass
		2462	SU	/	1	18.913	/	Pass

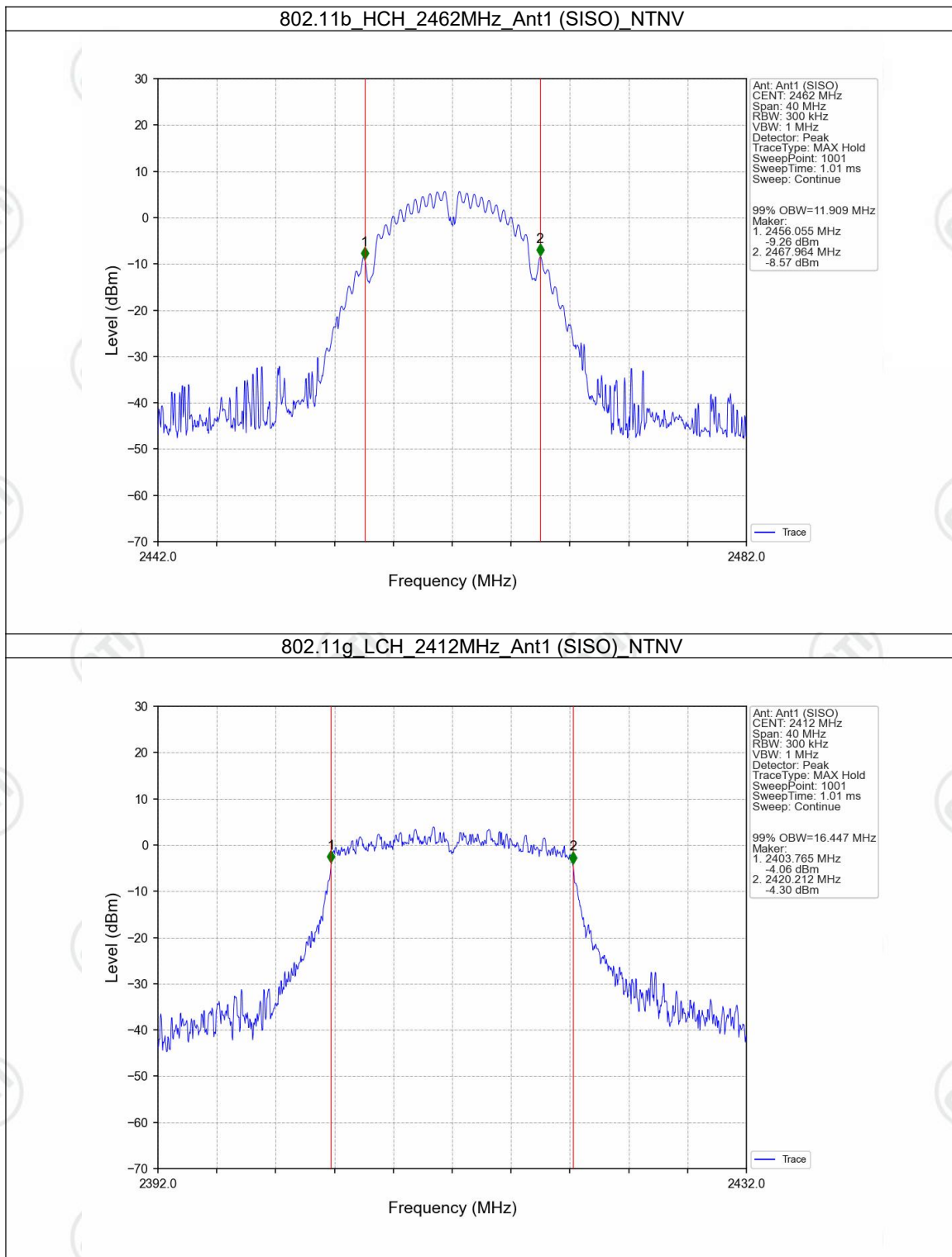
2.1.2 6dB BW

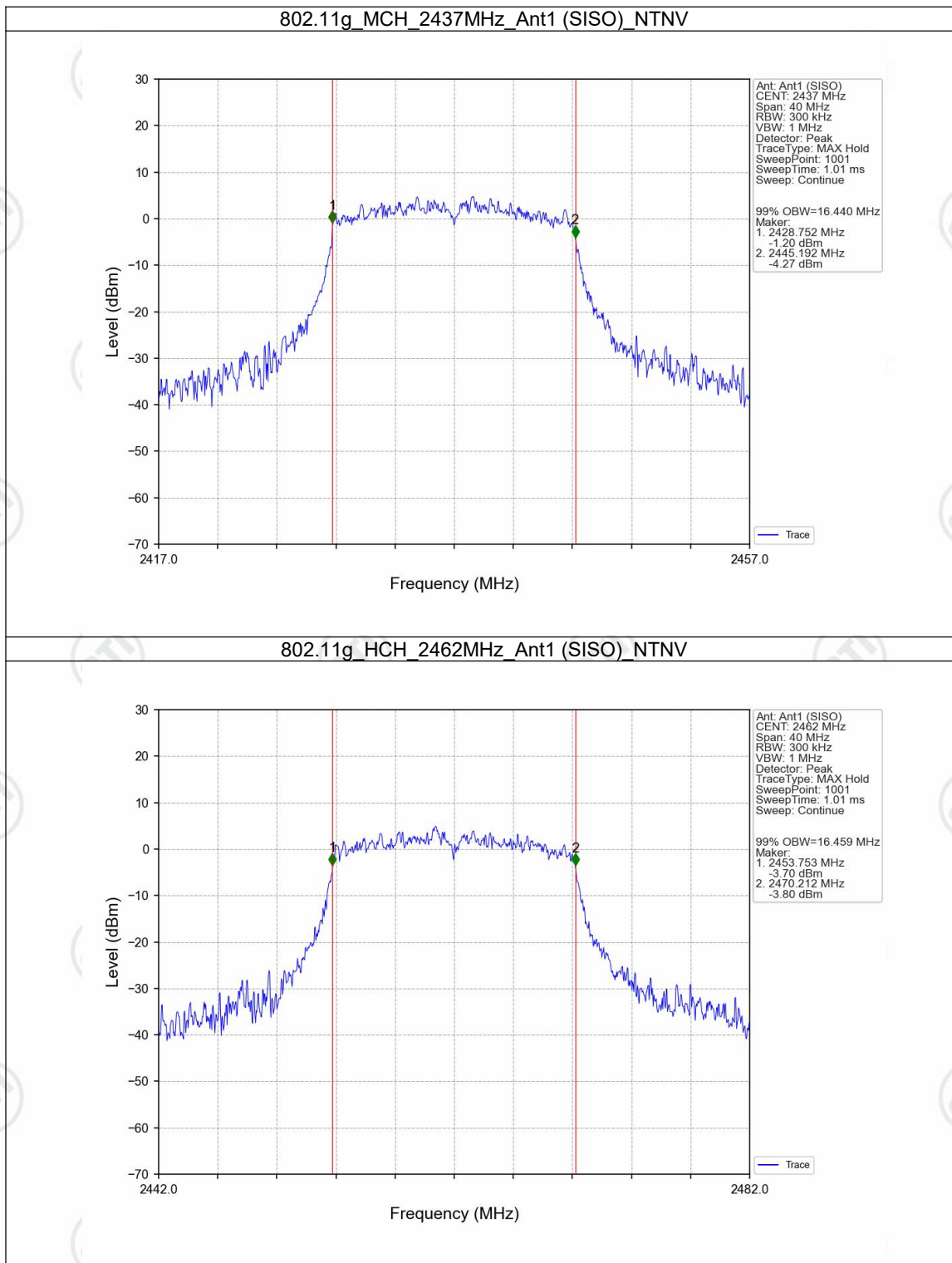
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	8.191	≥ 0.5	Pass
		2437	/	/	1	8.179	≥ 0.5	Pass
		2462	/	/	1	8.181	≥ 0.5	Pass
802.11g	SISO	2412	/	/	1	15.796	≥ 0.5	Pass
		2437	/	/	1	16.117	≥ 0.5	Pass
		2462	/	/	1	15.677	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	16.795	≥ 0.5	Pass
		2437	/	/	1	16.762	≥ 0.5	Pass
		2462	/	/	1	16.253	≥ 0.5	Pass
802.11ax (HEW20)	SISO	2412	SU	/	1	18.589	≥ 0.5	Pass
		2437	SU	/	1	17.959	≥ 0.5	Pass
		2462	SU	/	1	18.464	≥ 0.5	Pass

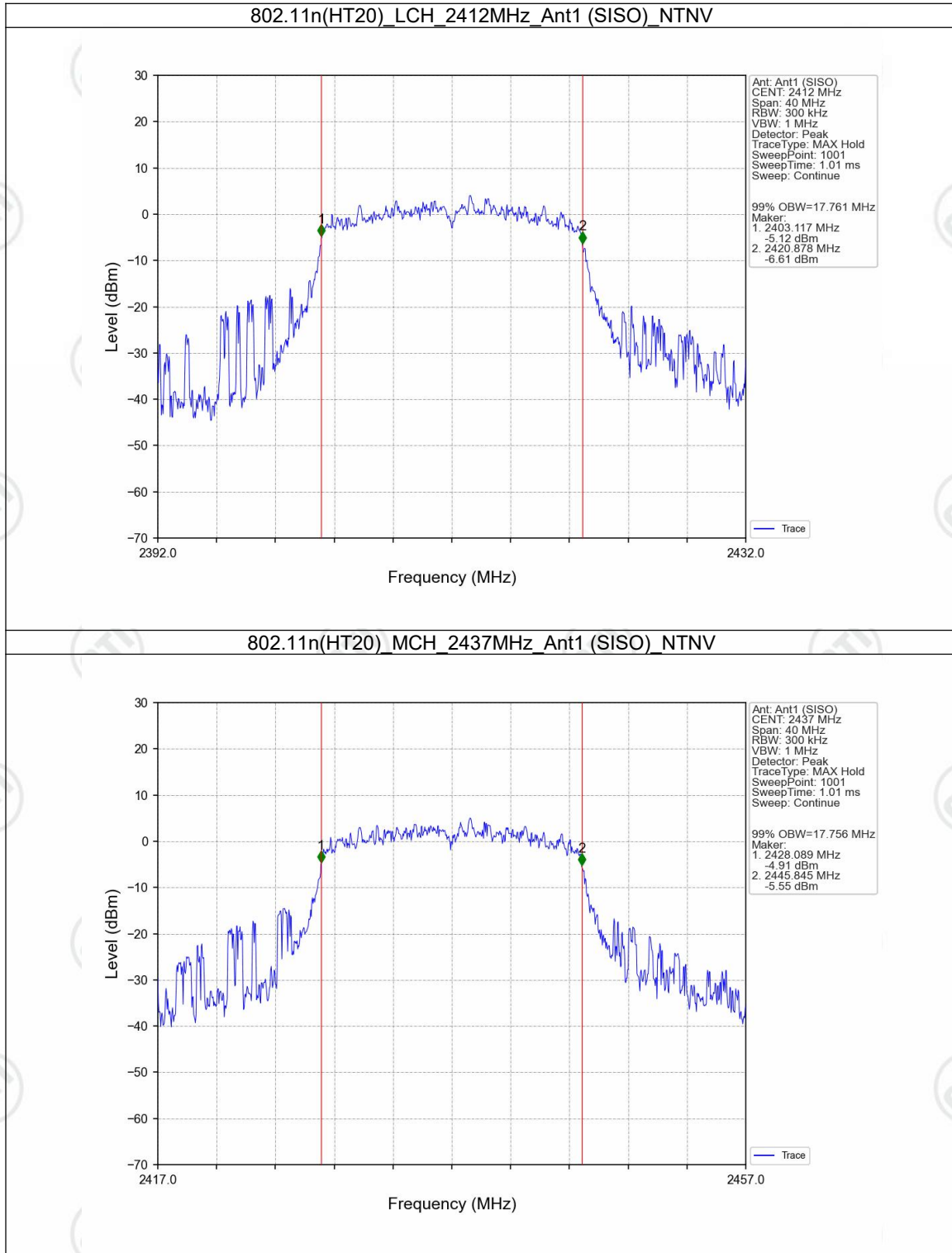
2.2 Test Graph

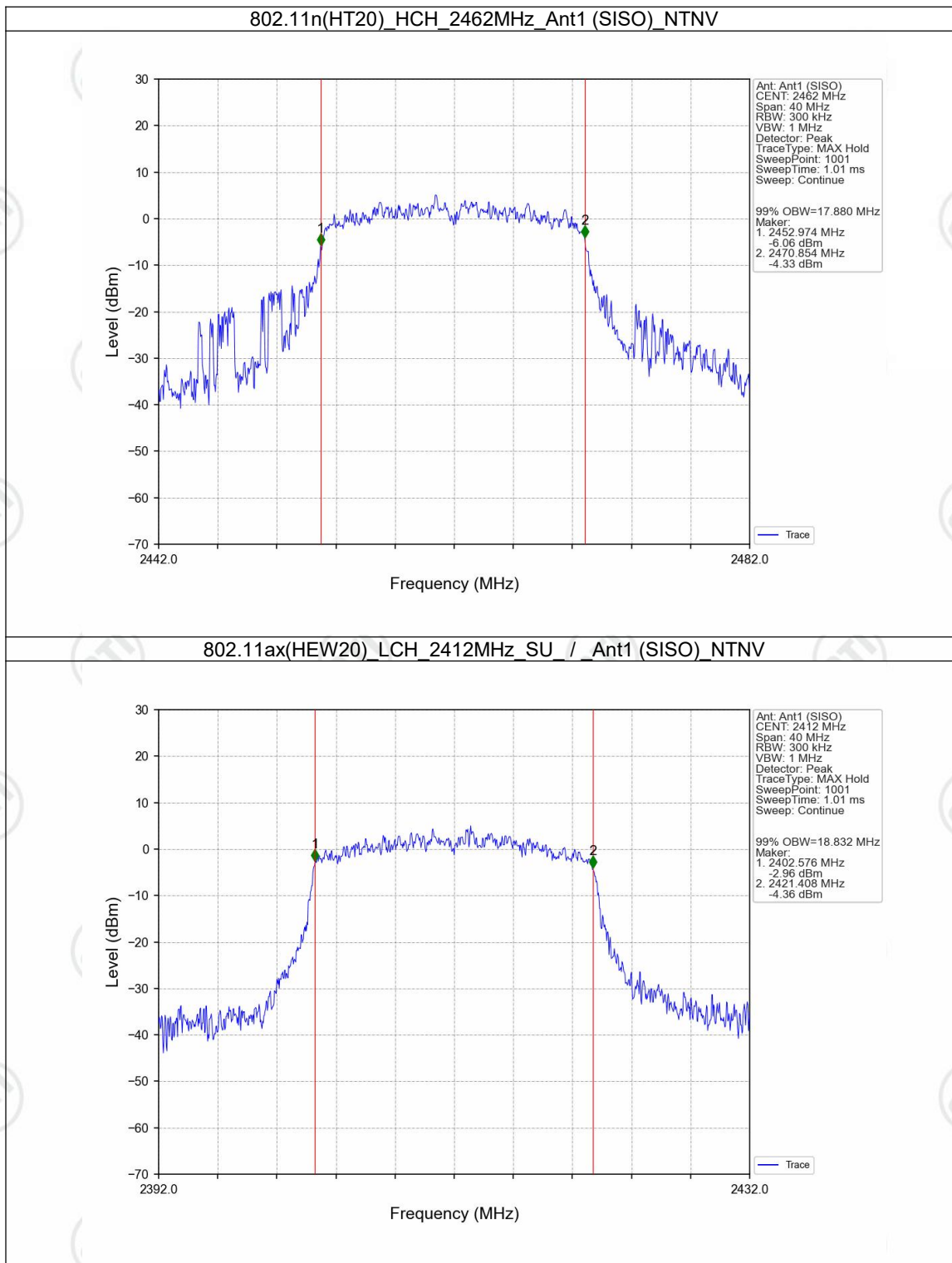
2.2.1 OBW

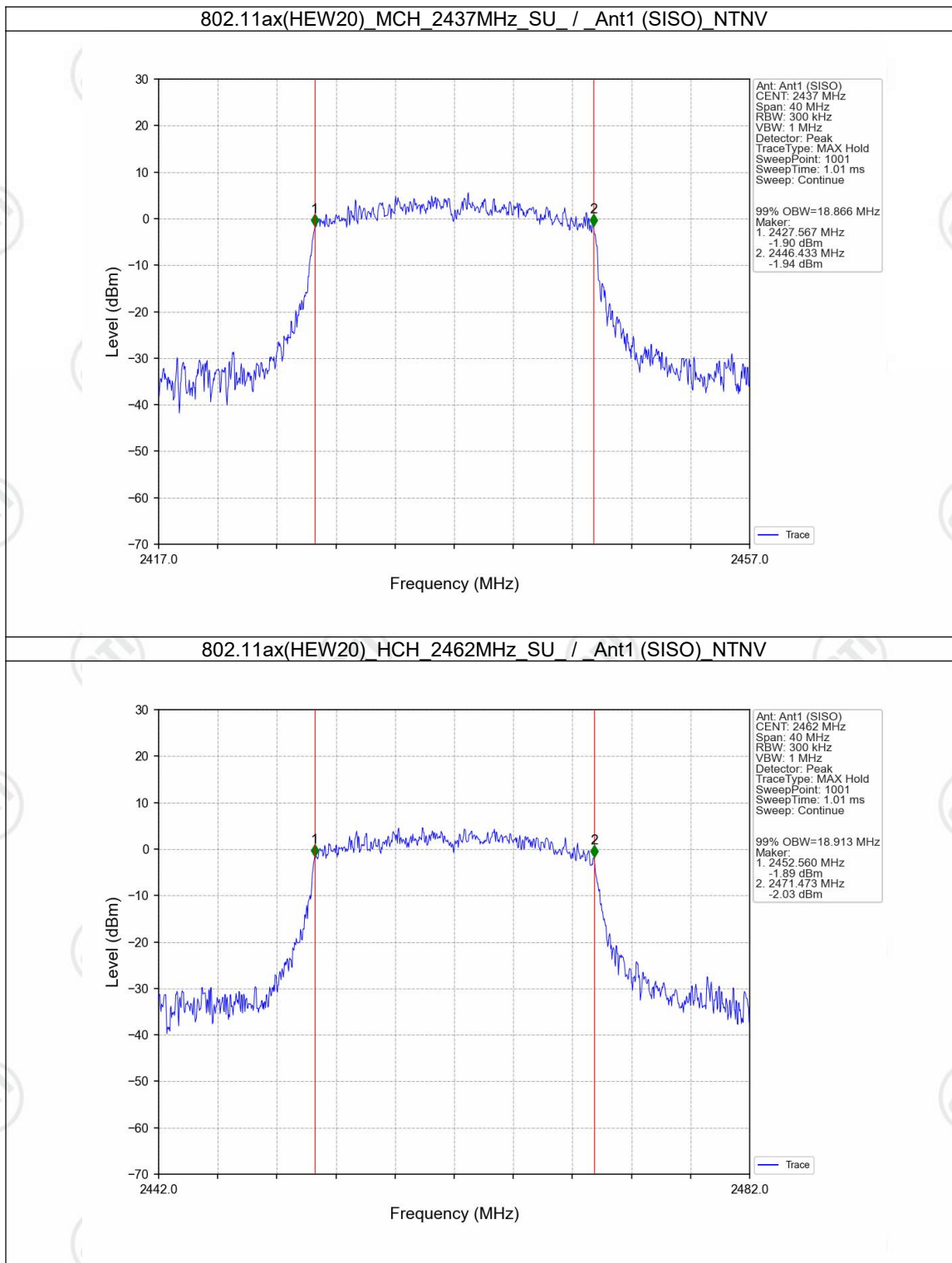












2.2.2 6dB BW

