

Appendix Bluetooth LE

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1. Duty Cycle

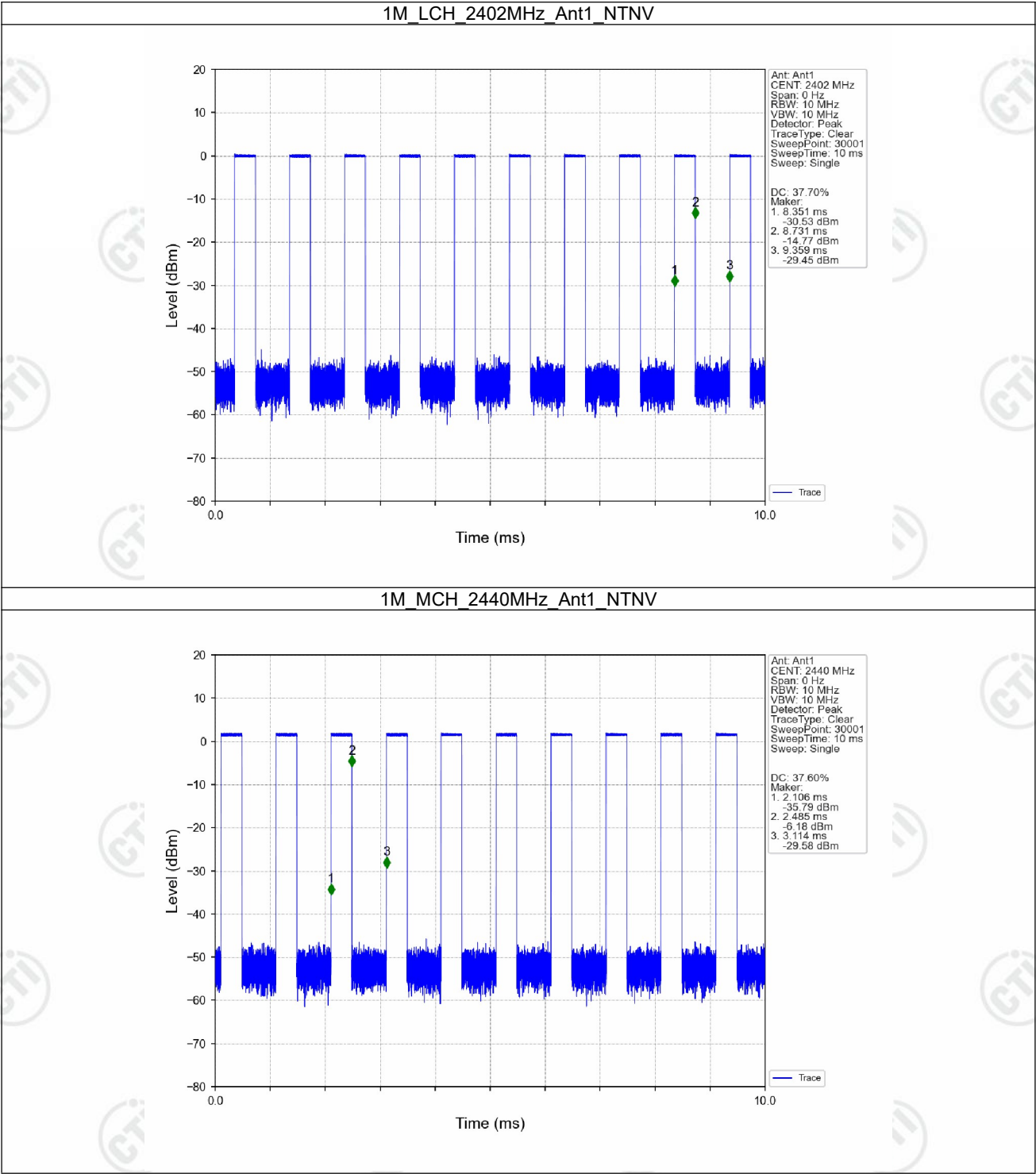
1.1 Test Result

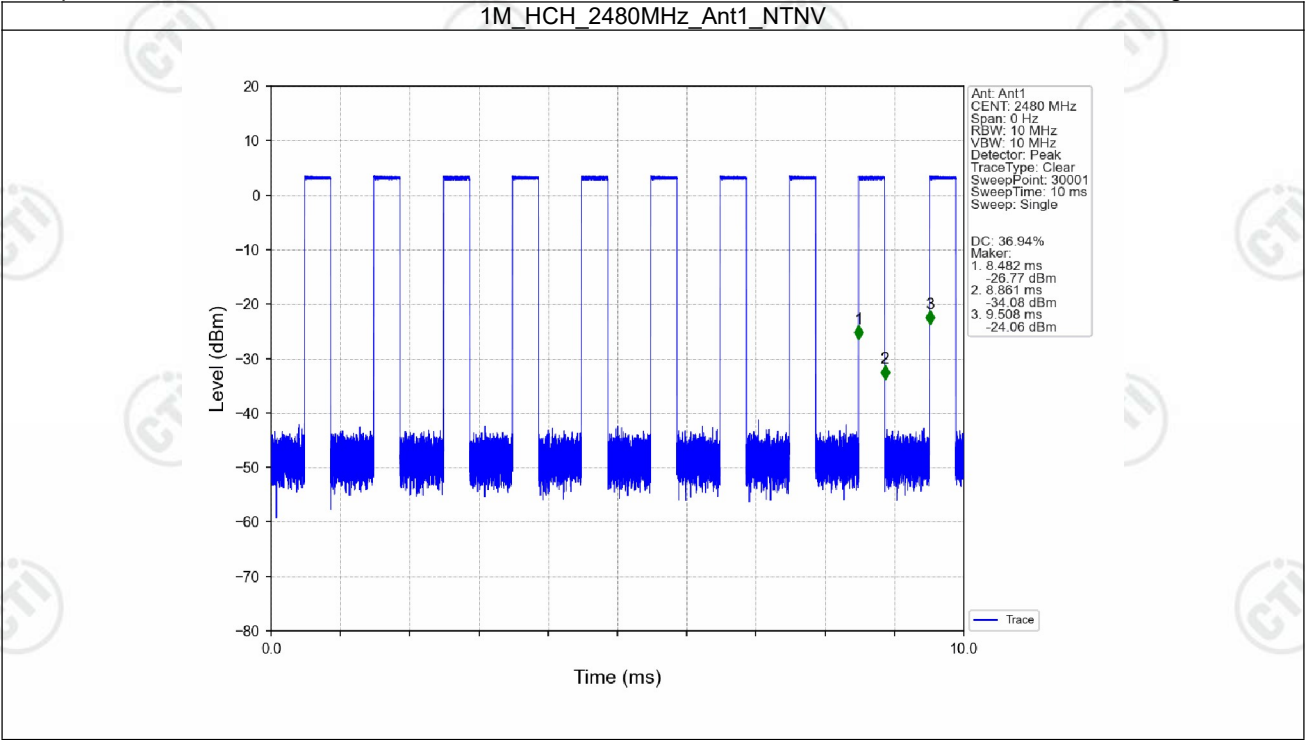
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.380	1.008	37.70	4.24	0.29
		2440	0.379	1.008	37.60	4.25	0.56
		2480	0.379	1.026	36.94	4.33	1.26

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

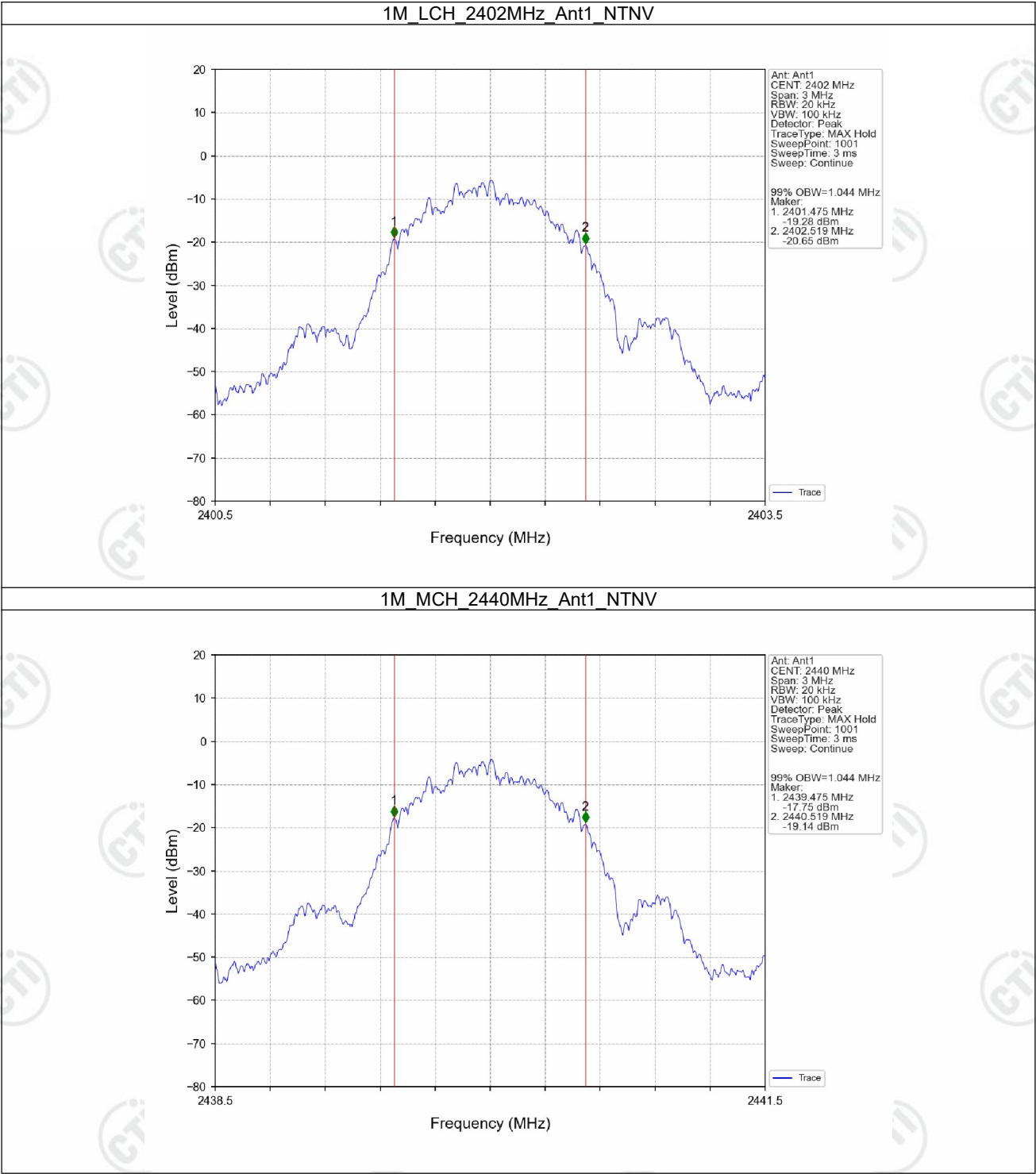
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.044	/	Pass
		2440	1	1.044	/	Pass
		2480	1	1.045	/	Pass

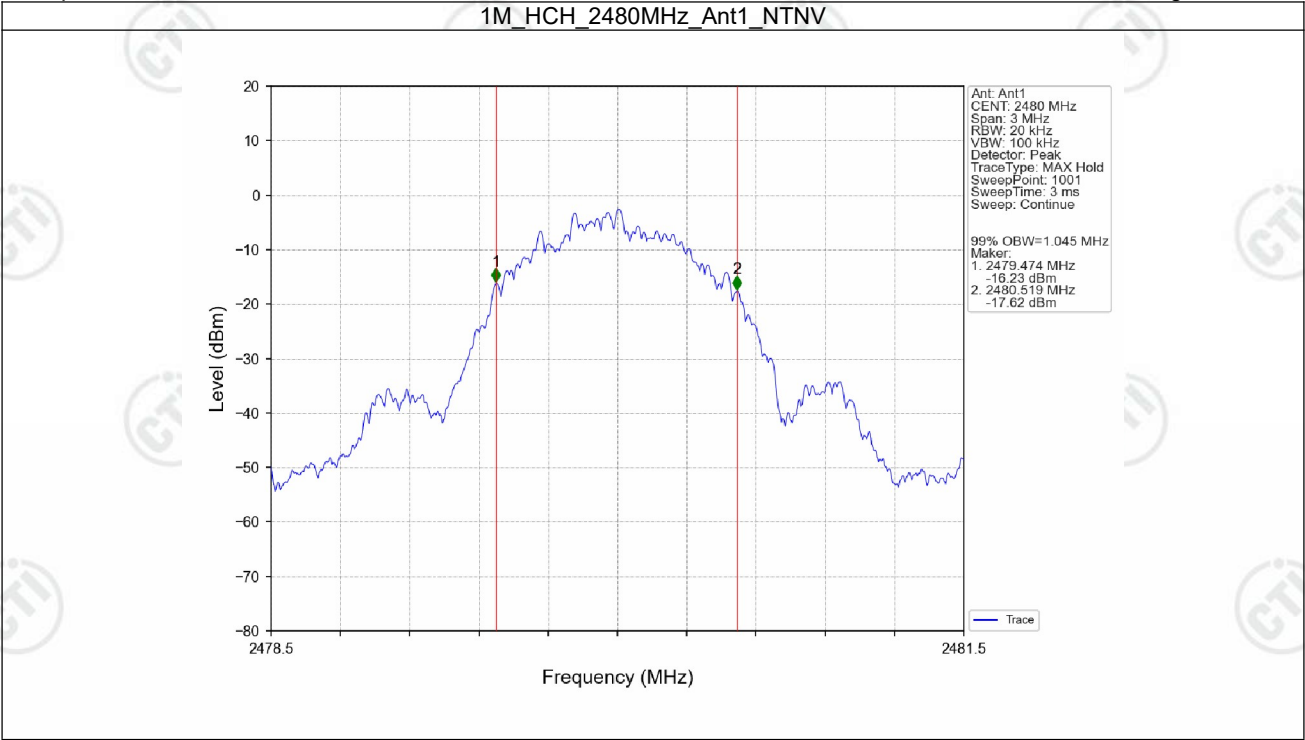
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.673	≥ 0.5	Pass
		2440	1	0.679	≥ 0.5	Pass
		2480	1	0.676	≥ 0.5	Pass

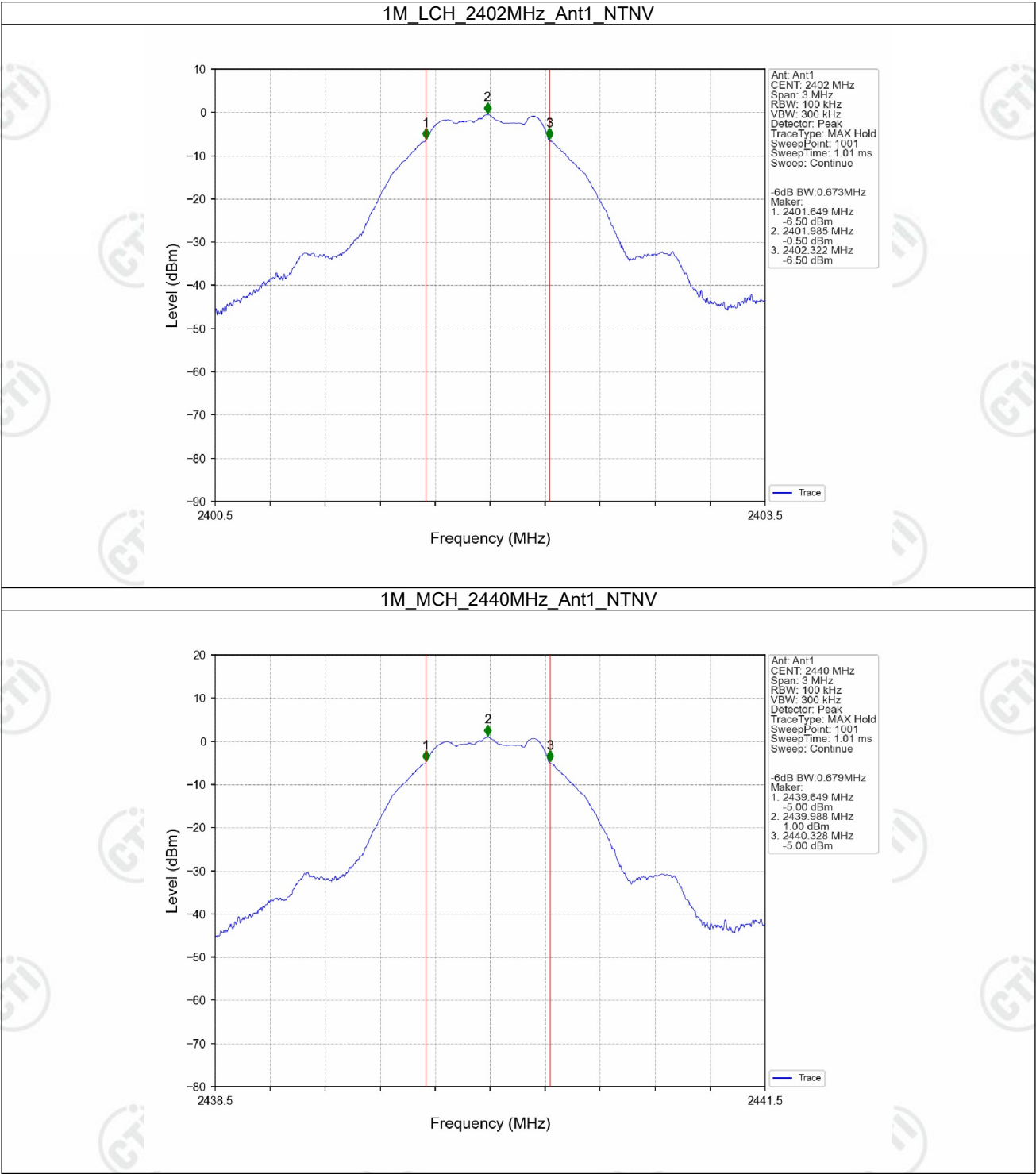
2.2 Test Graph

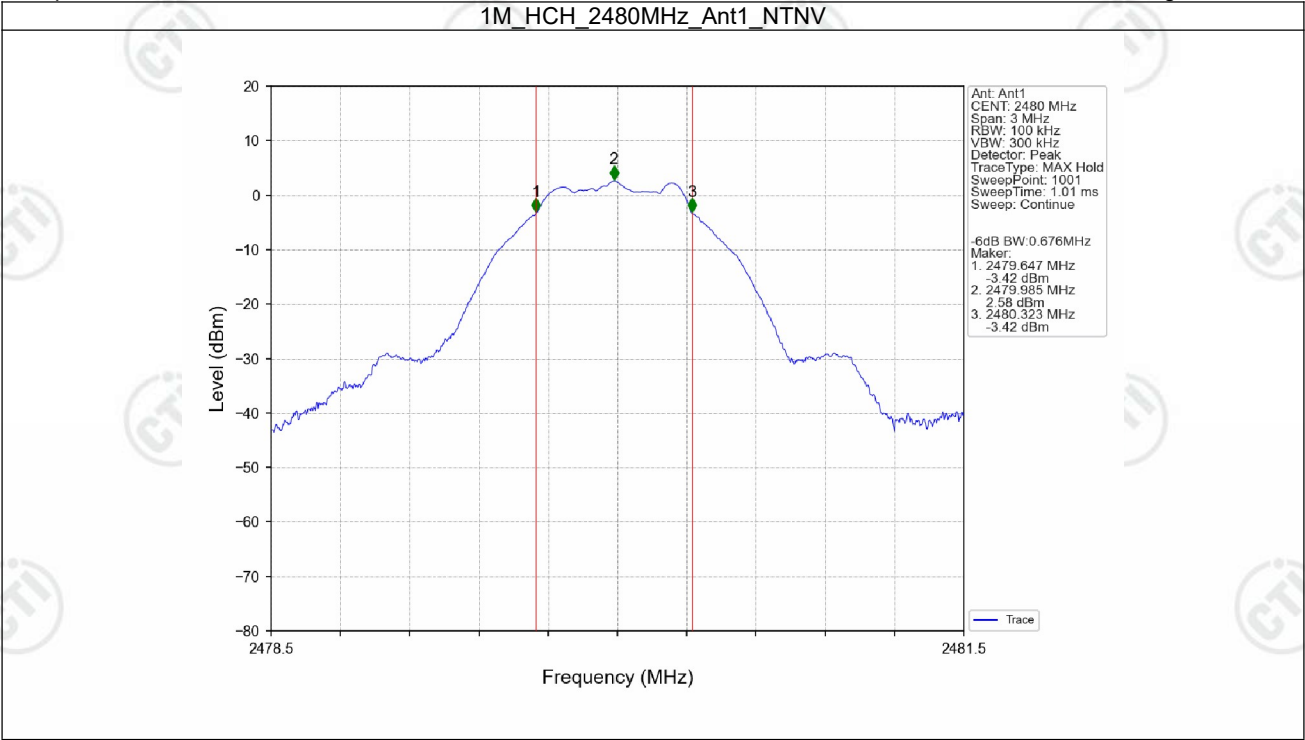
2.2.1 OBW





2.2.2 6dB BW





3. Maximum Conducted Output Power

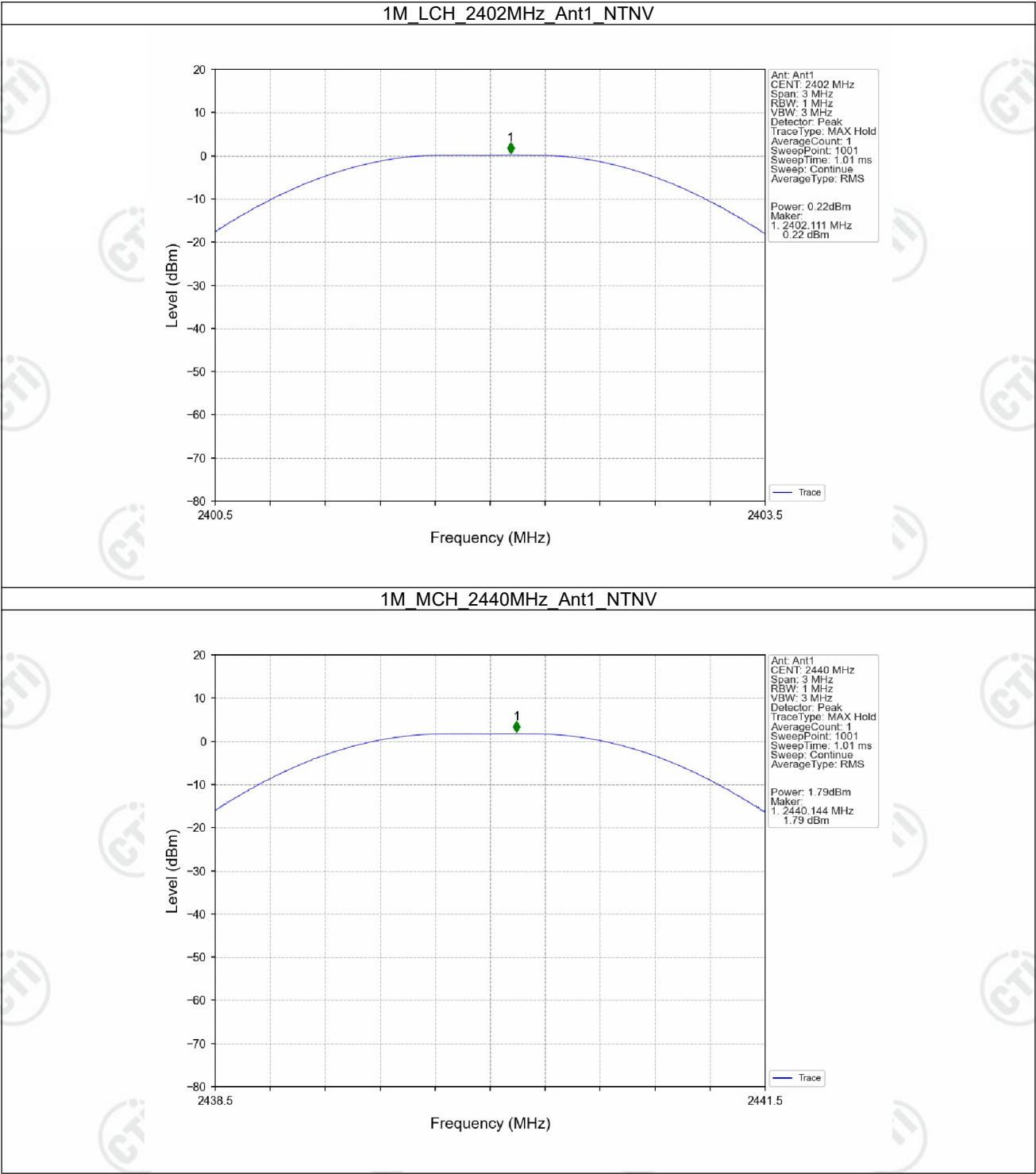
3.1 Test Result

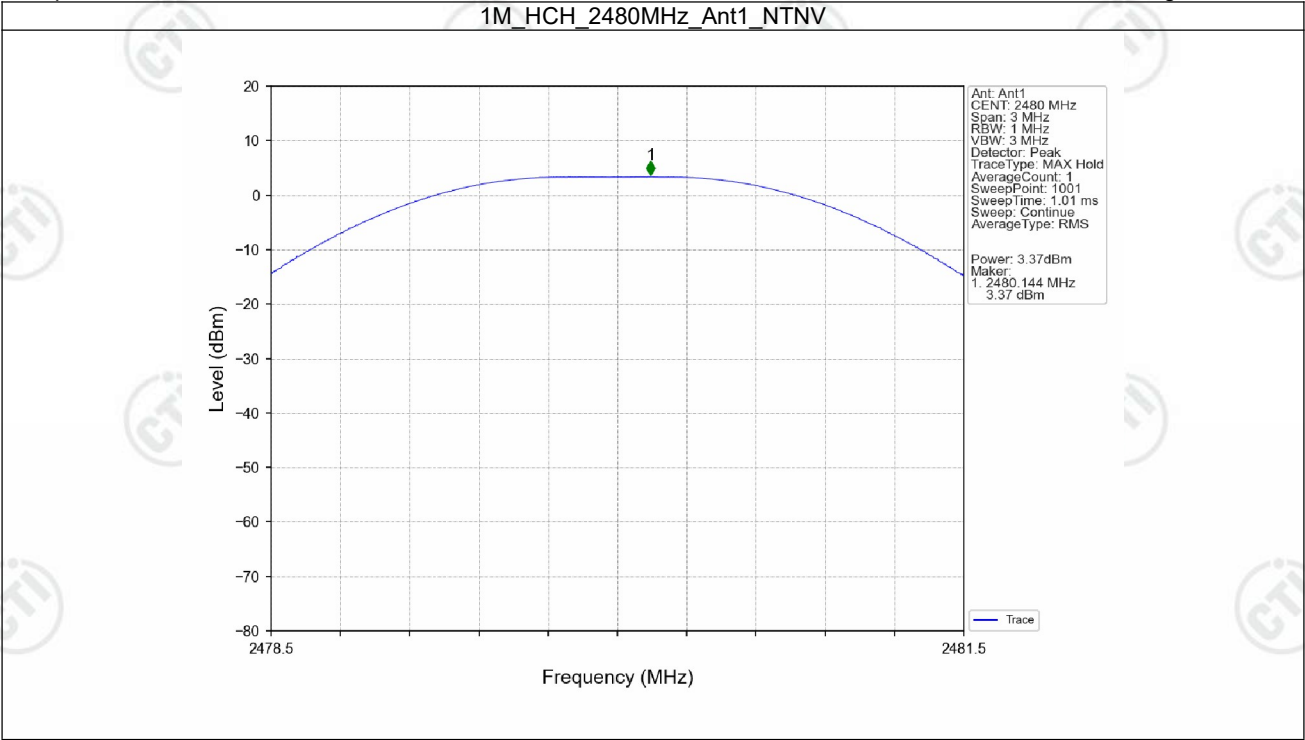
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	0.22	<=30	Pass
		2440	1.79	<=30	Pass
		2480	3.37	<=30	Pass
Note1: Antenna Gain: Ant1: 1.60dBi;					

3.2 Test Graph

3.2.1 Power





4. Maximum Power Spectral Density

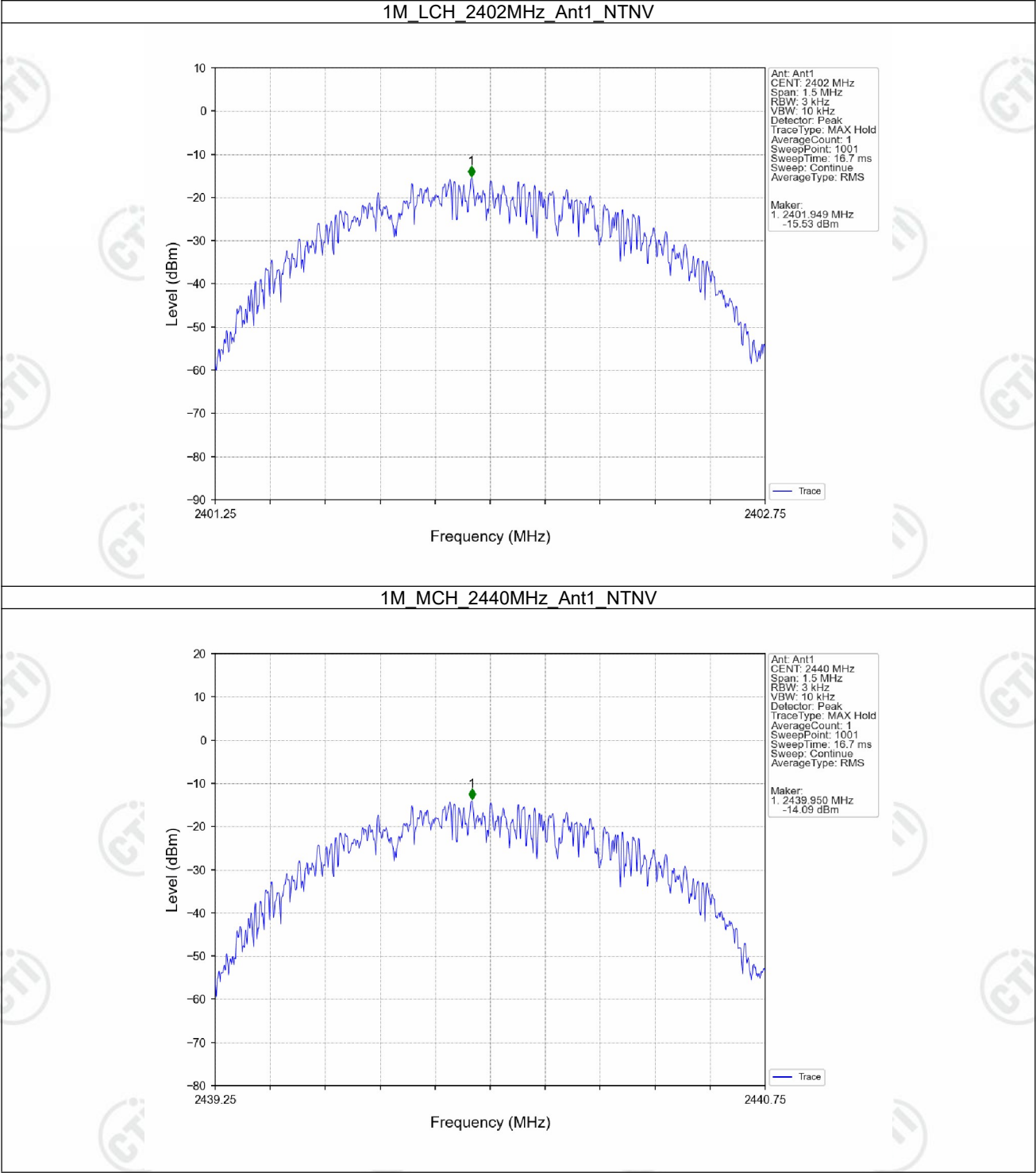
4.1 Test Result

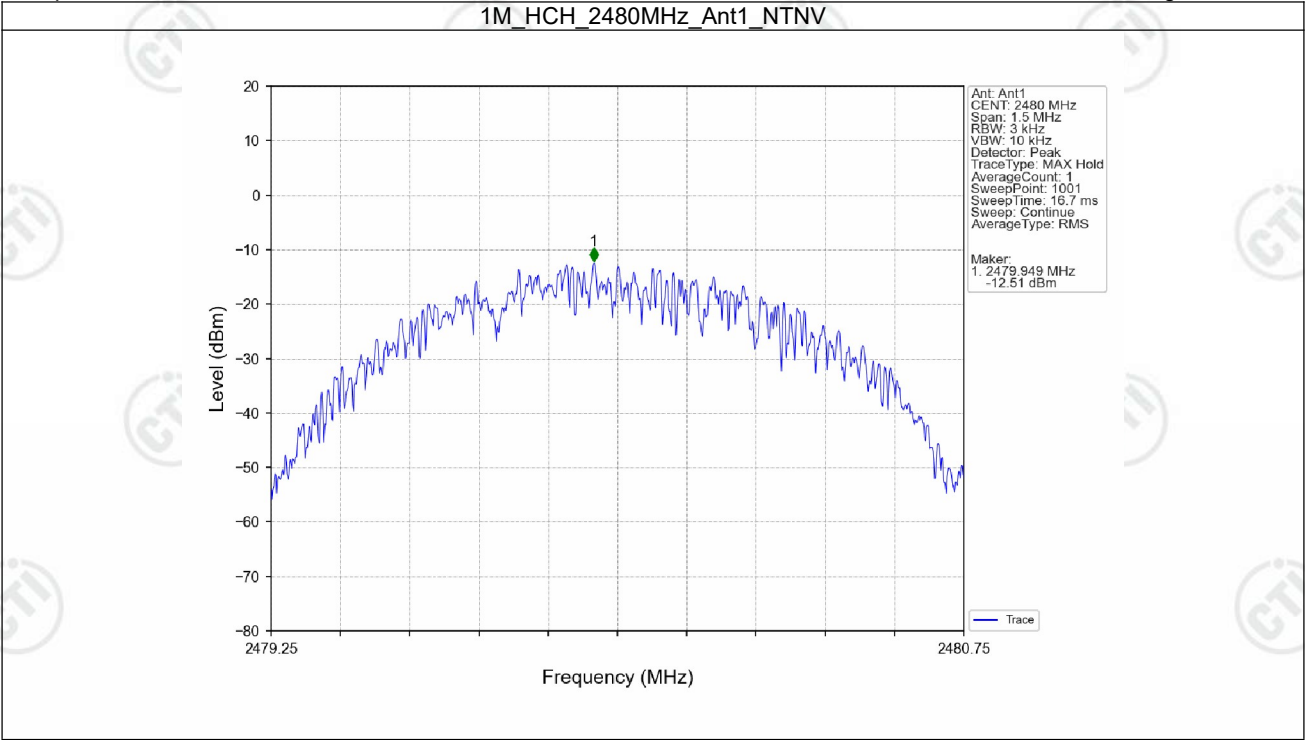
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-15.53dBm/3kHz	<=8	Pass
		2440	-14.09dBm/3kHz	<=8	Pass
		2480	-12.51dBm/3kHz	<=8	Pass
Note1: Antenna Gain: Ant1: 1.60dBi;					

4.2 Test Graph

4.2.1 PSD





5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

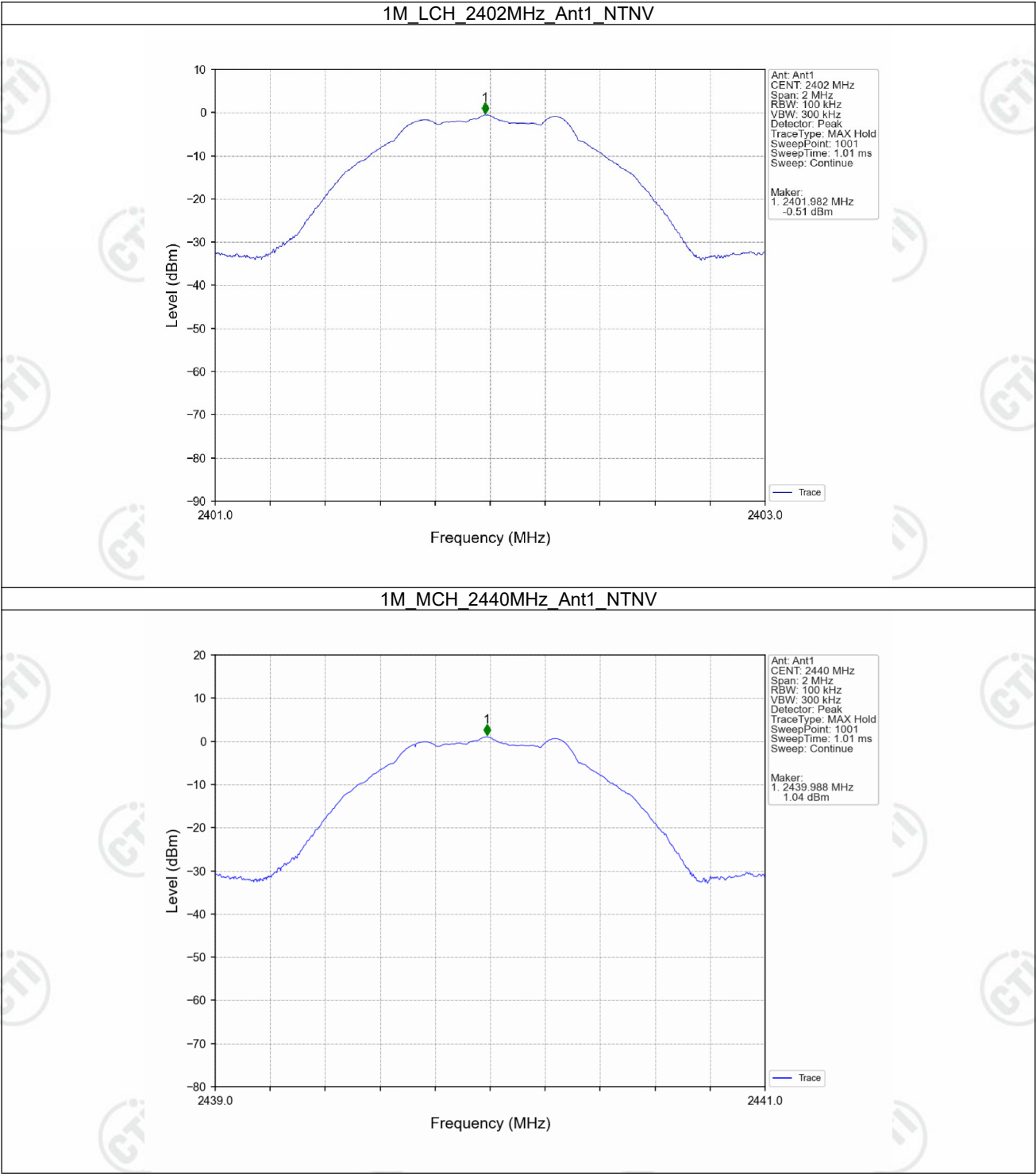
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-0.51
		2440	1	1.04
		2480	1	2.58

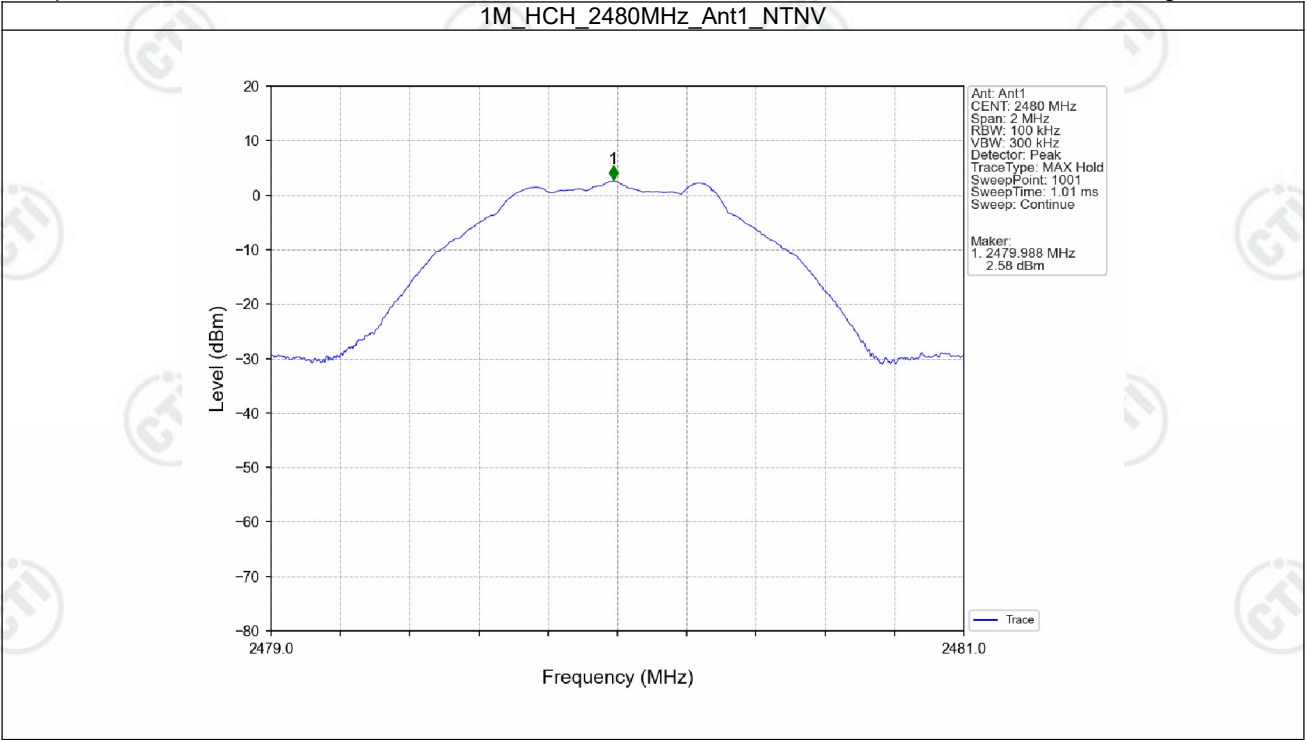
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	2.58	-17.42	Pass
		2440	1	2.58	-17.42	Pass
		2480	1	2.58	-17.42	Pass

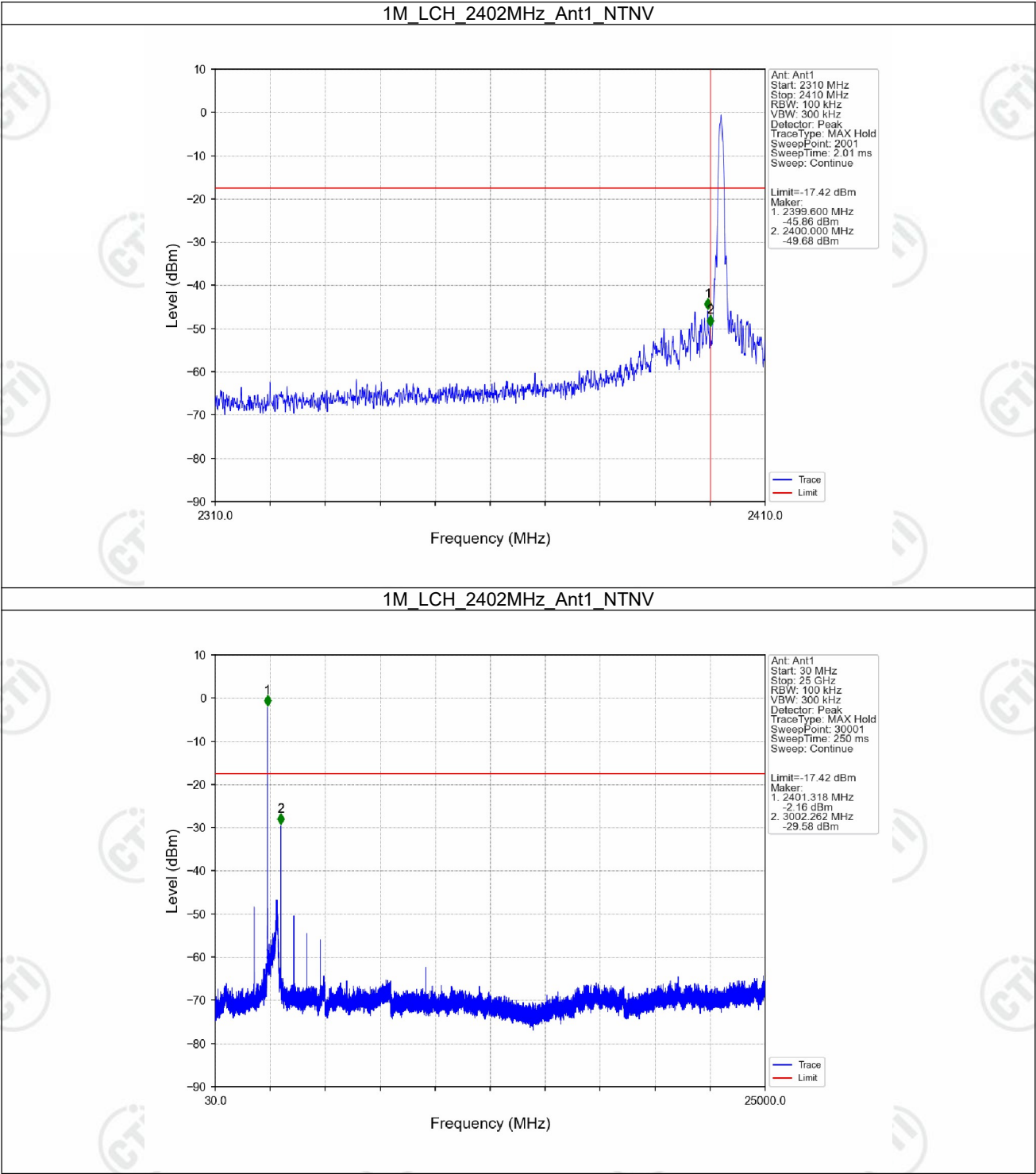
5.2 Test Graph

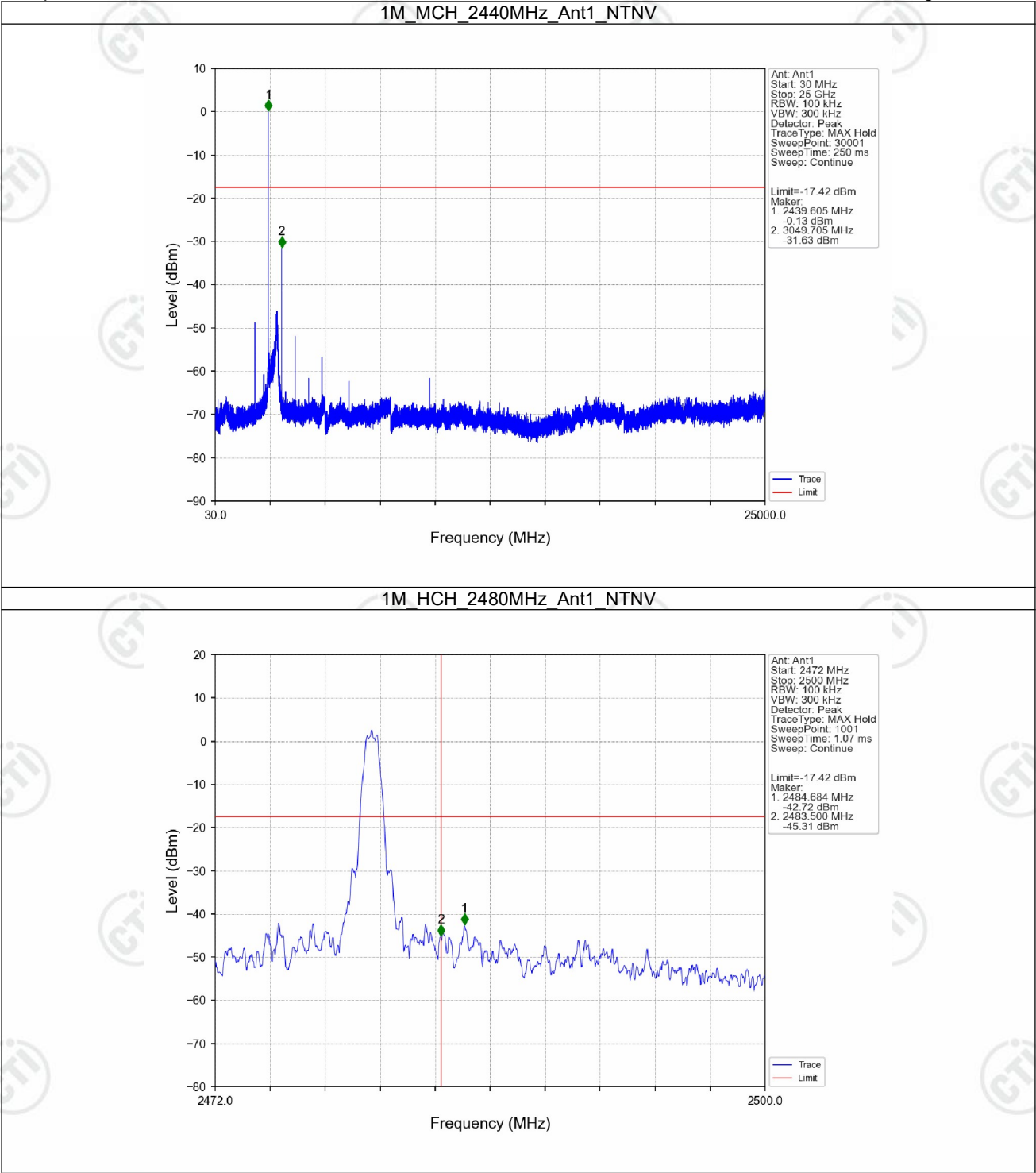
5.2.1 Ref

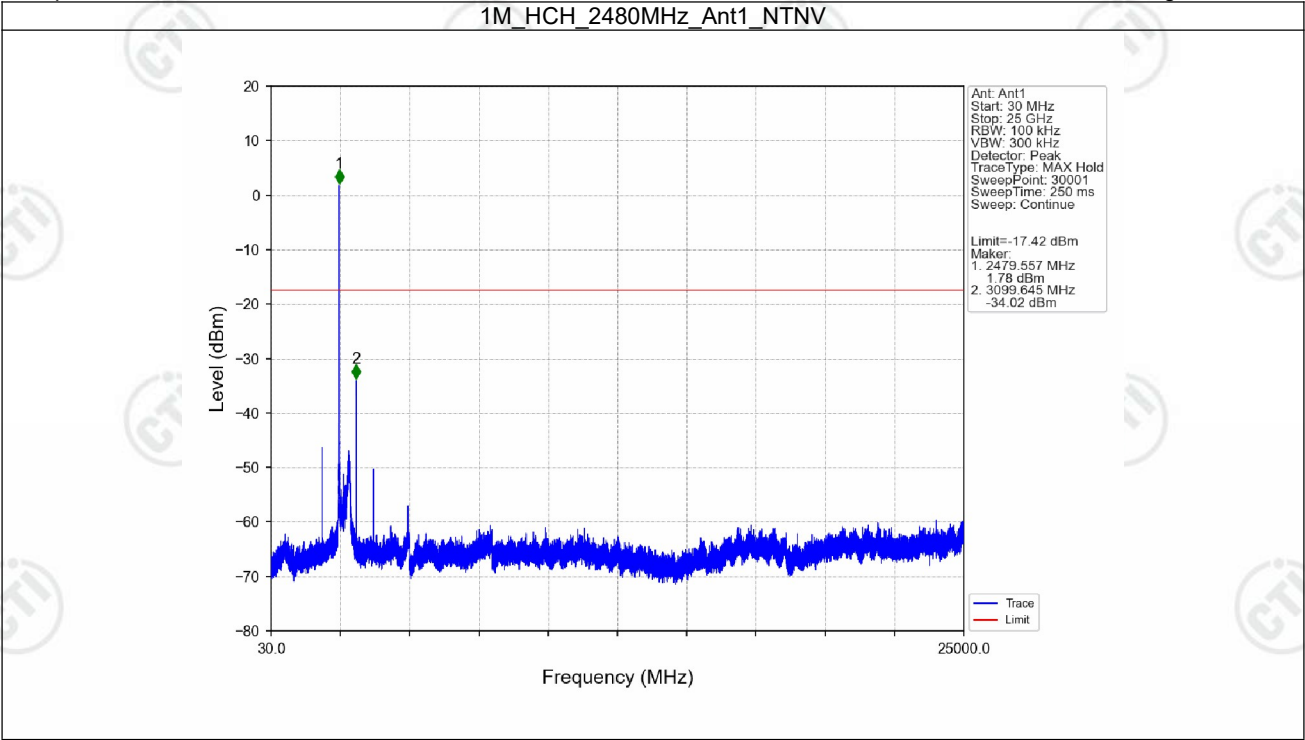




5.2.2 CSE







6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0022	3.37

*** End of Report ***