

Appendix: Bluetooth LE

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1. Duty Cycle

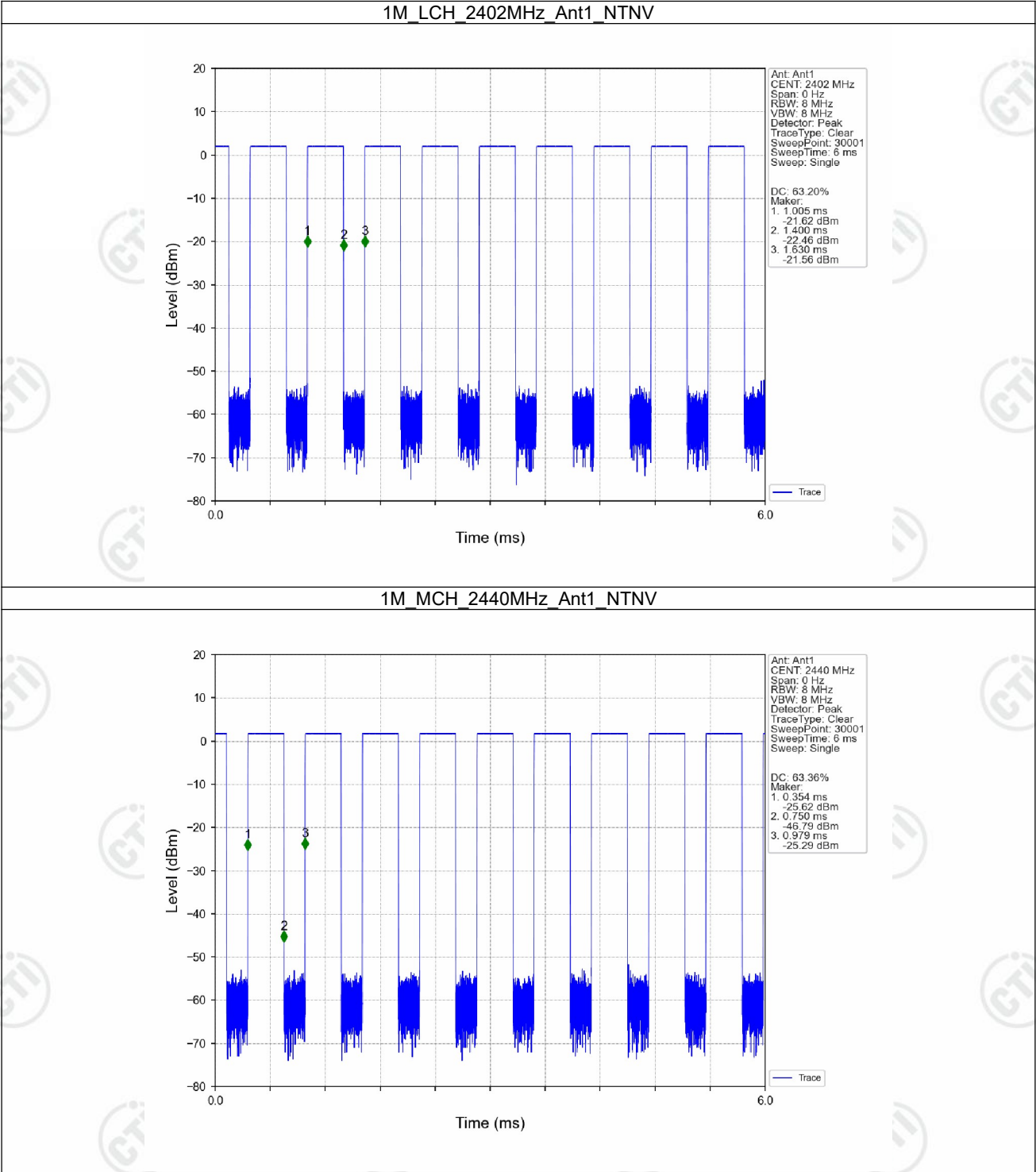
1.1 Test Result

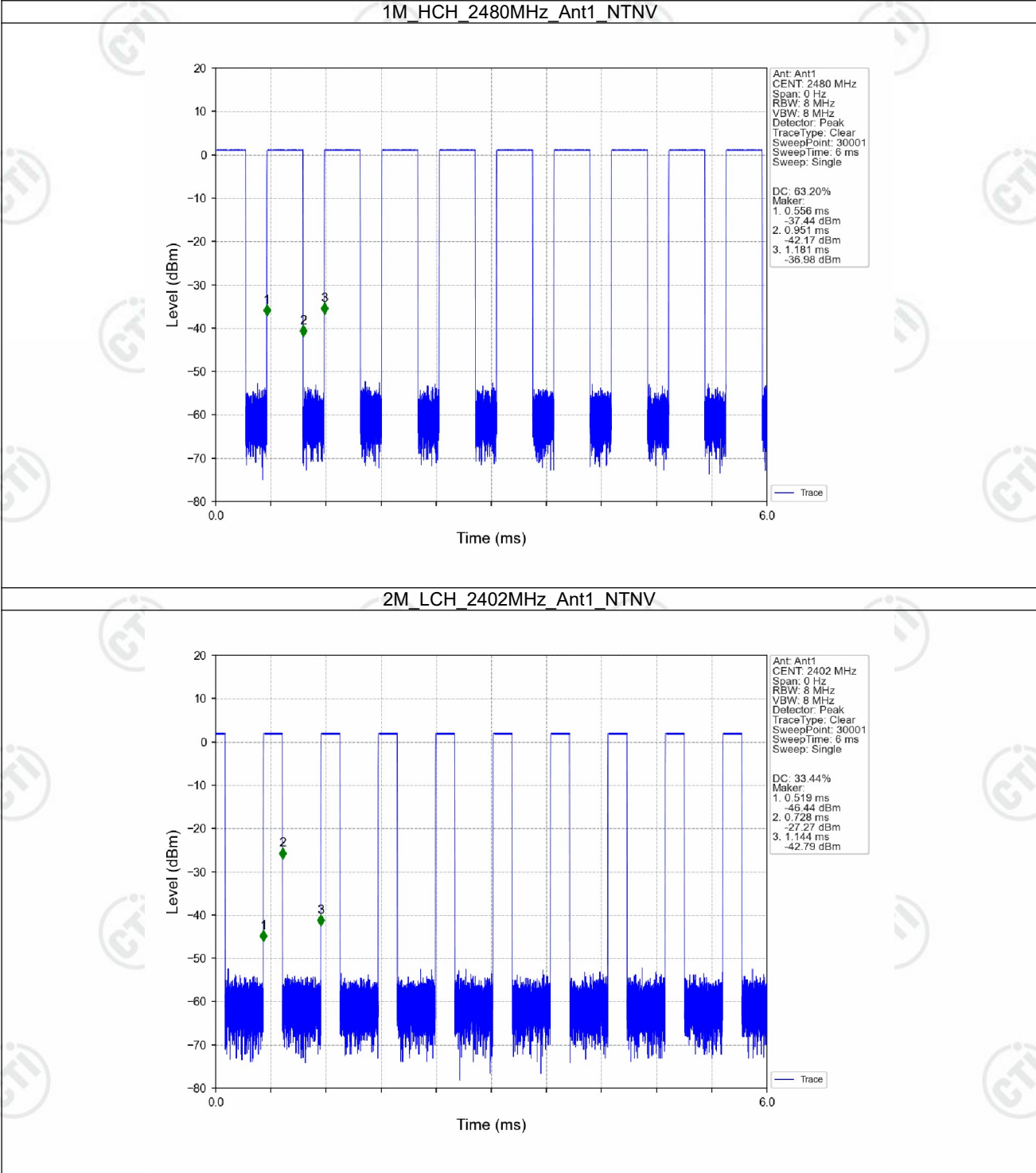
1.1.1 Ant1

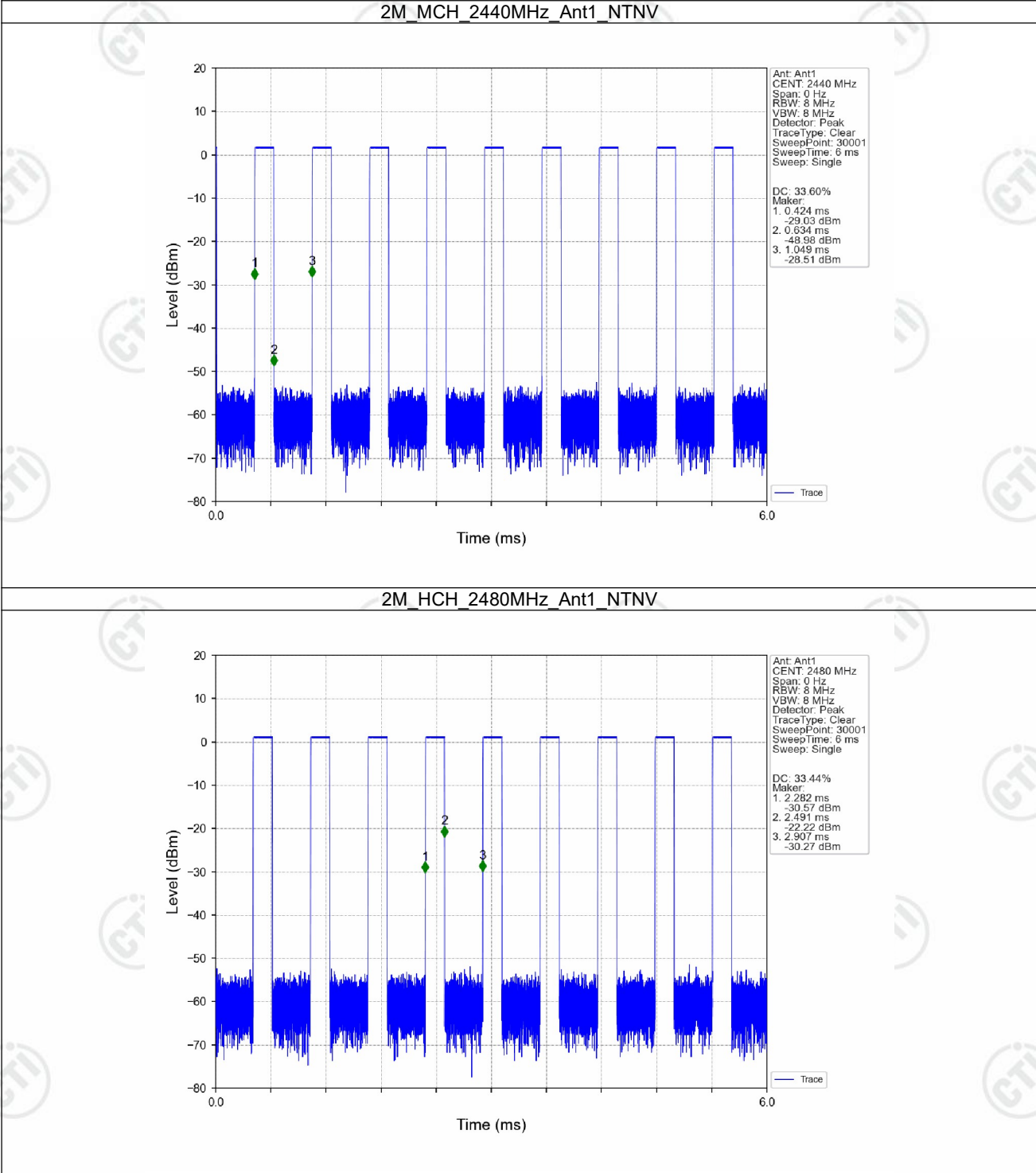
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.395	0.625	63.20	1.99	0.03
		2440	0.396	0.625	63.36	1.98	0.00
		2480	0.395	0.625	63.20	1.99	0.00
2M	SISO	2402	0.209	0.625	33.44	4.76	0.00
		2440	0.210	0.625	33.60	4.74	0.02
		2480	0.209	0.625	33.44	4.76	0.03

1.2 Test Graph

1.2.1 Ant1







2. Bandwidth

2.1 Test Result

2.1.1 OBW

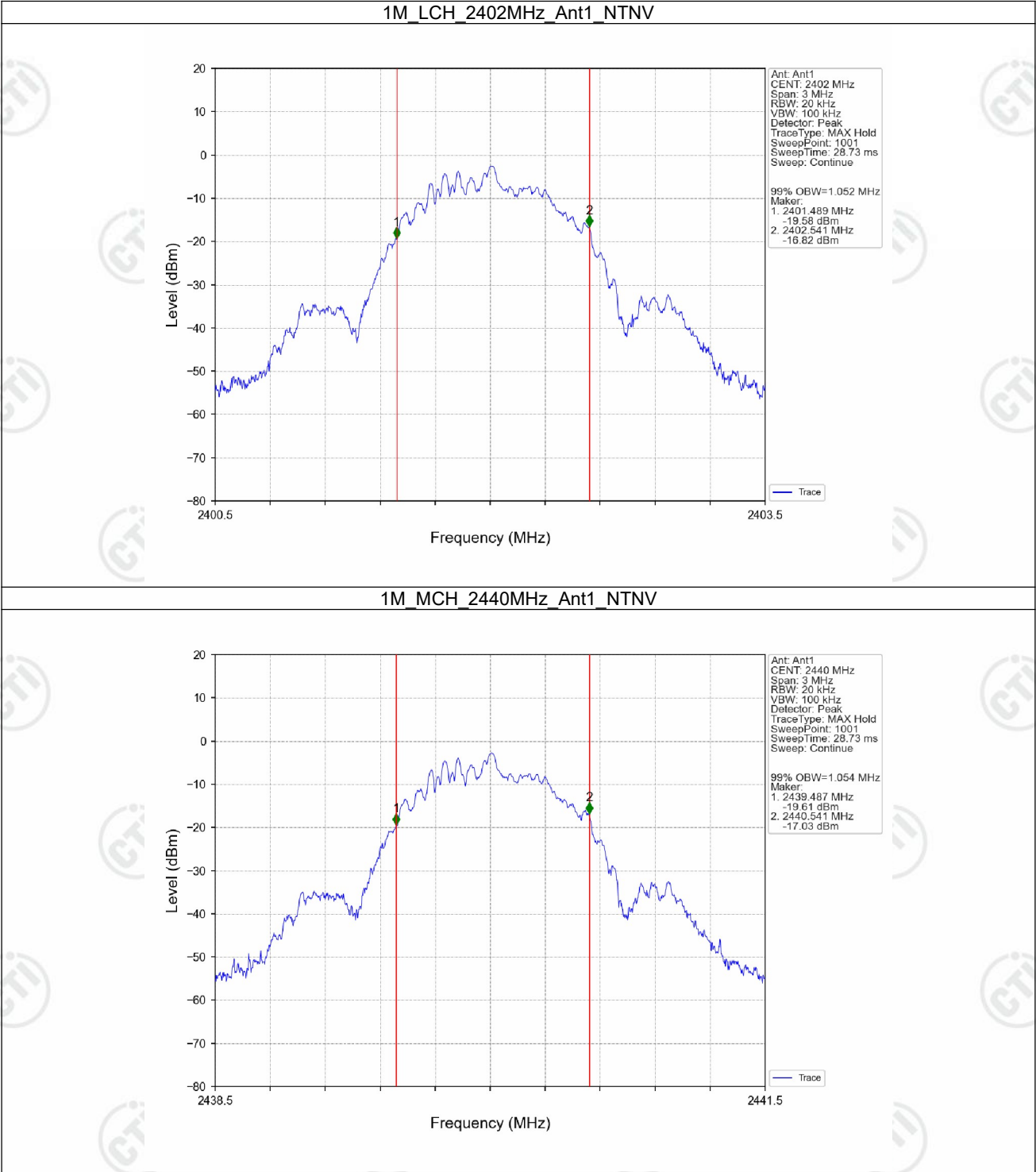
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.052	/	Pass
		2440	1	1.054	/	Pass
		2480	1	1.054	/	Pass
2M	SISO	2402	1	2.049	/	Pass
		2440	1	2.052	/	Pass
		2480	1	2.053	/	Pass

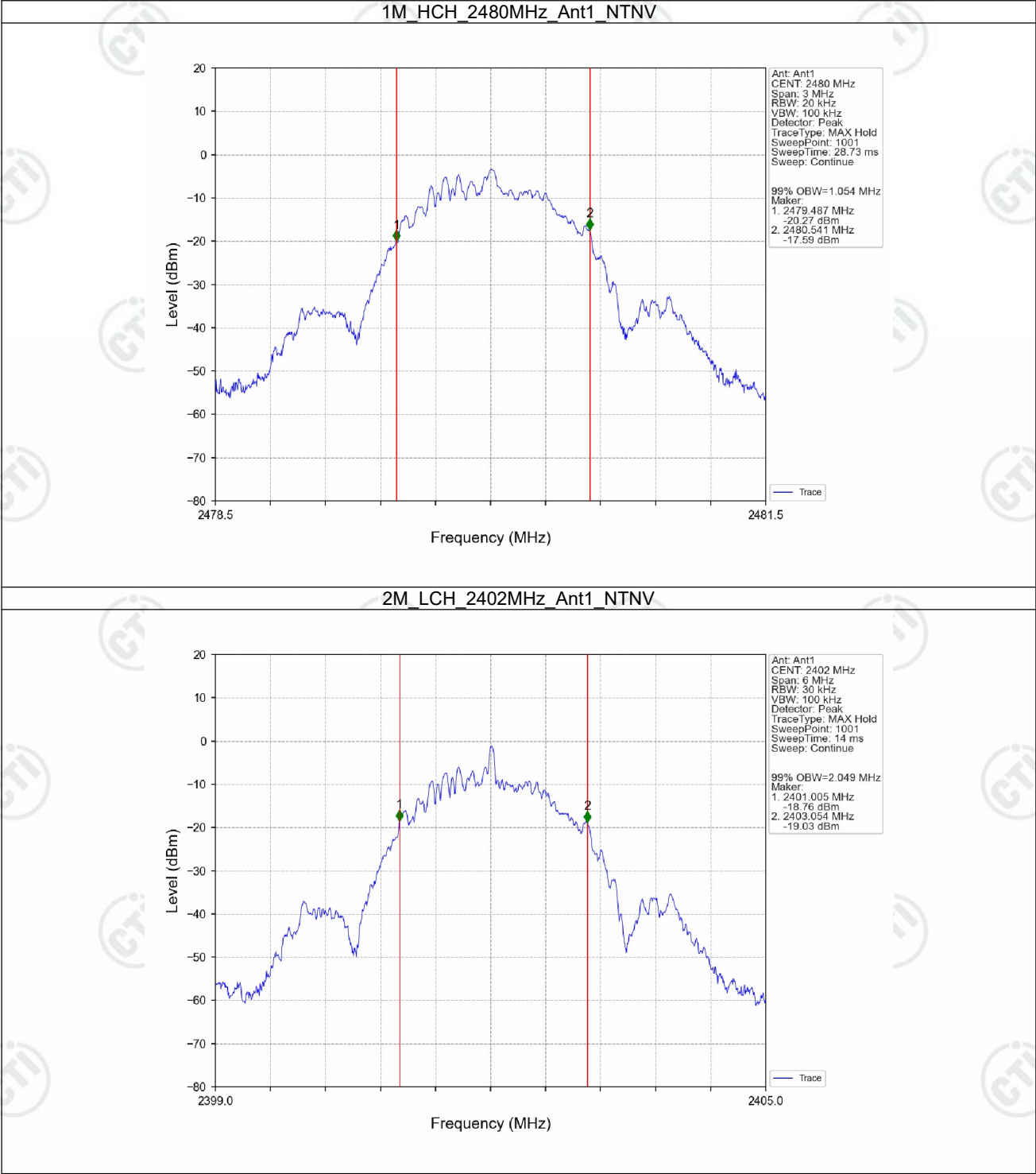
2.1.2 6dB BW

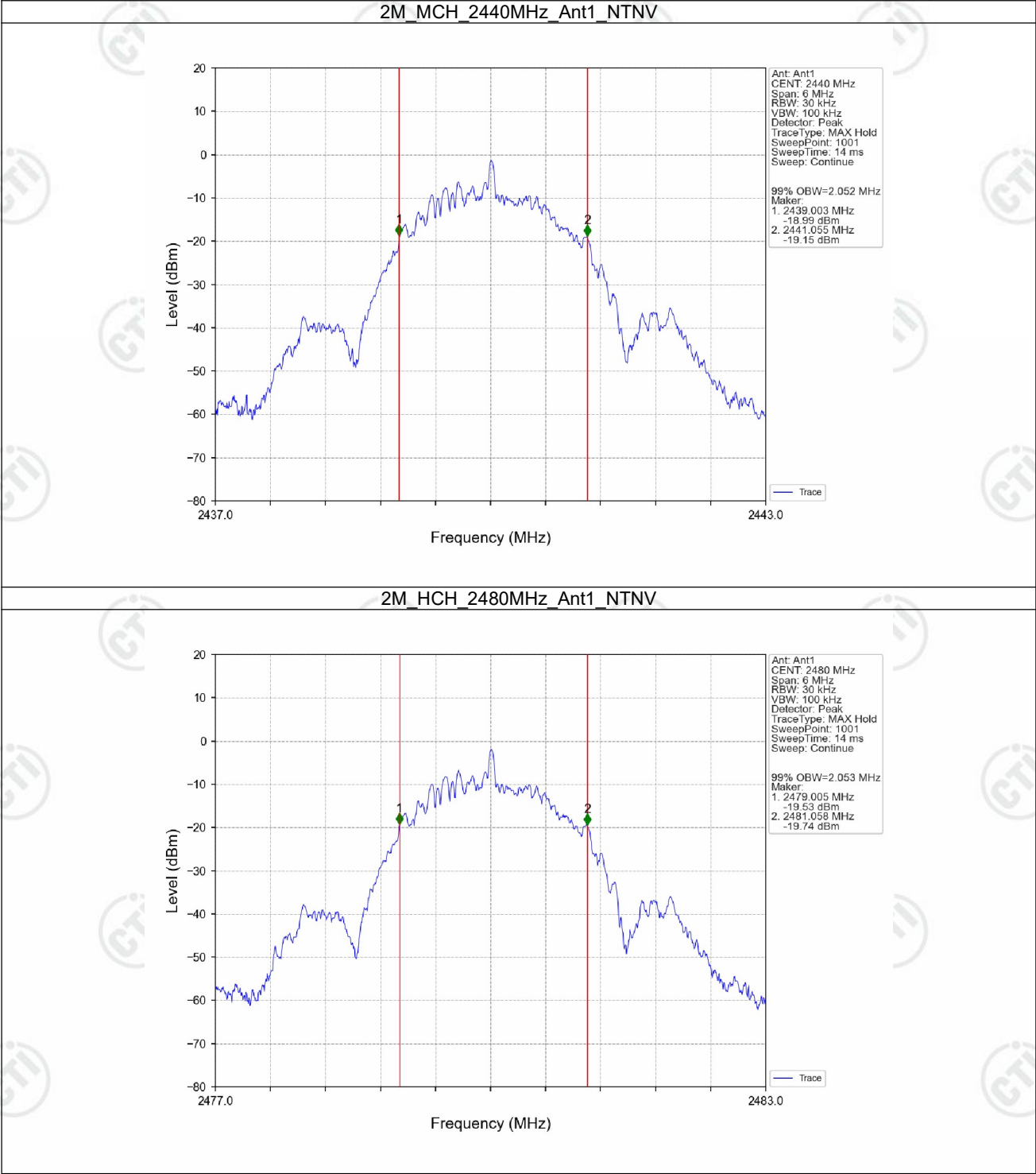
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.693	≥ 0.5	Pass
		2440	1	0.698	≥ 0.5	Pass
		2480	1	0.706	≥ 0.5	Pass
2M	SISO	2402	1	1.147	≥ 0.5	Pass
		2440	1	1.131	≥ 0.5	Pass
		2480	1	1.151	≥ 0.5	Pass

2.2 Test Graph

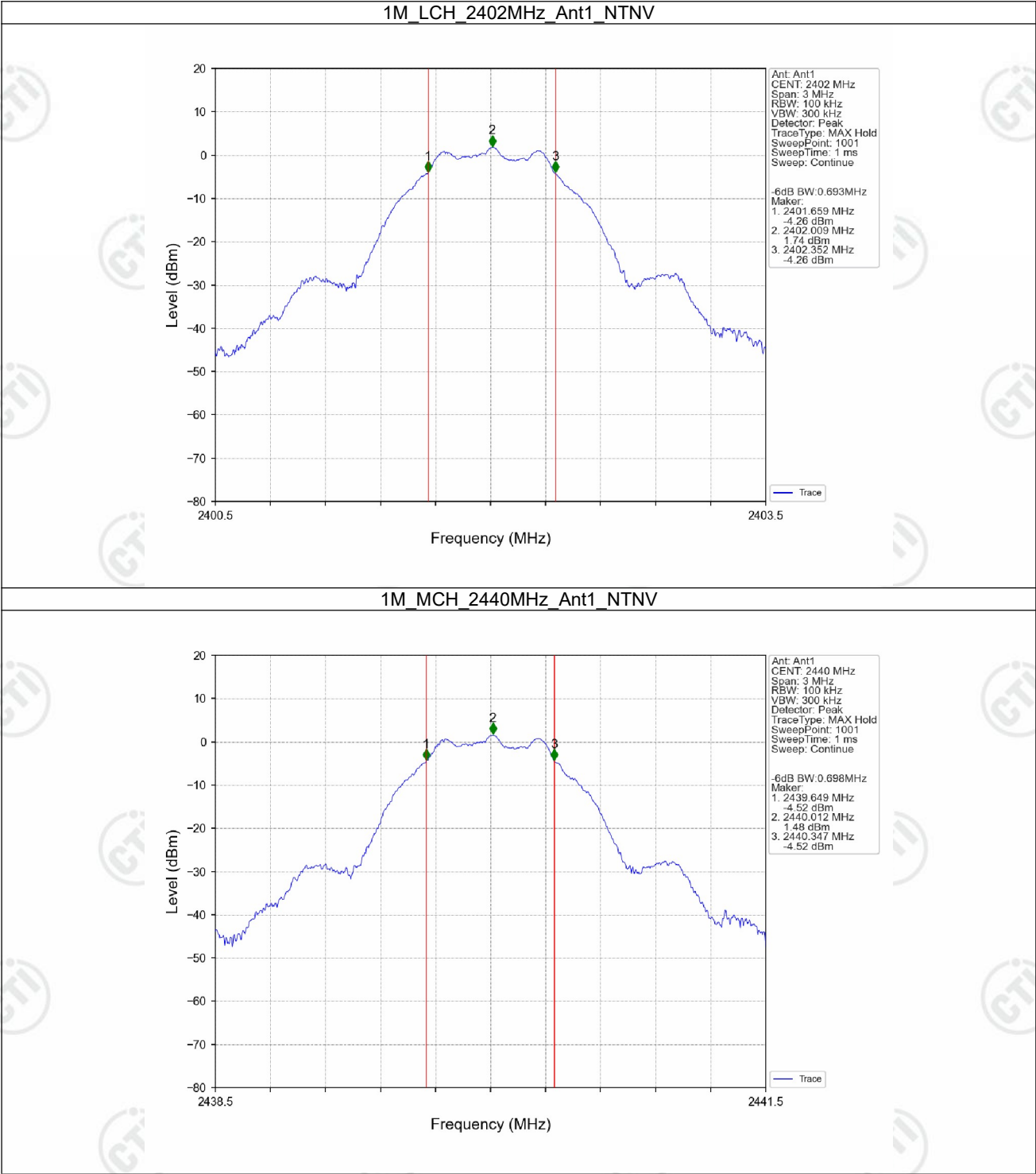
2.2.1 OBW

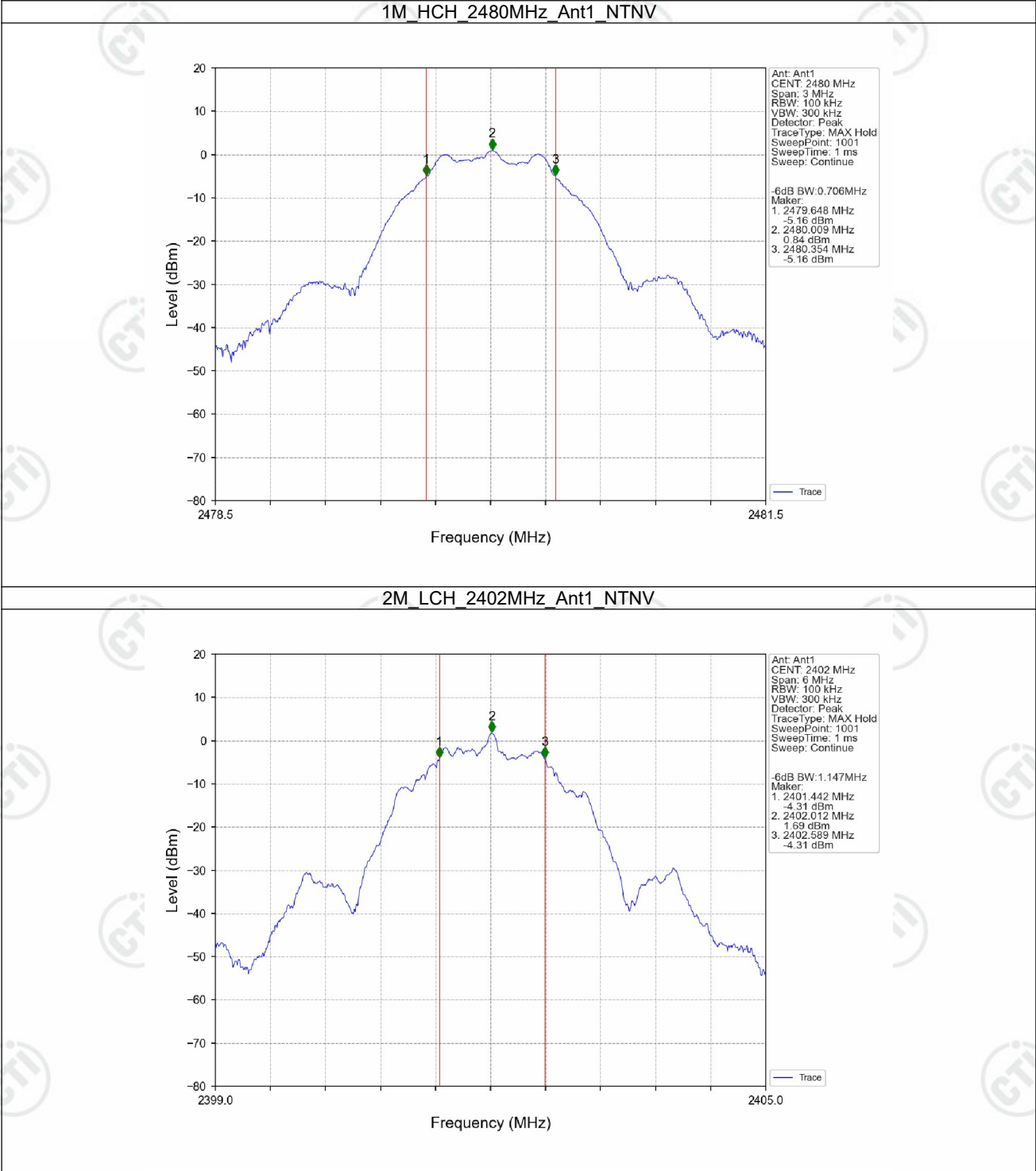


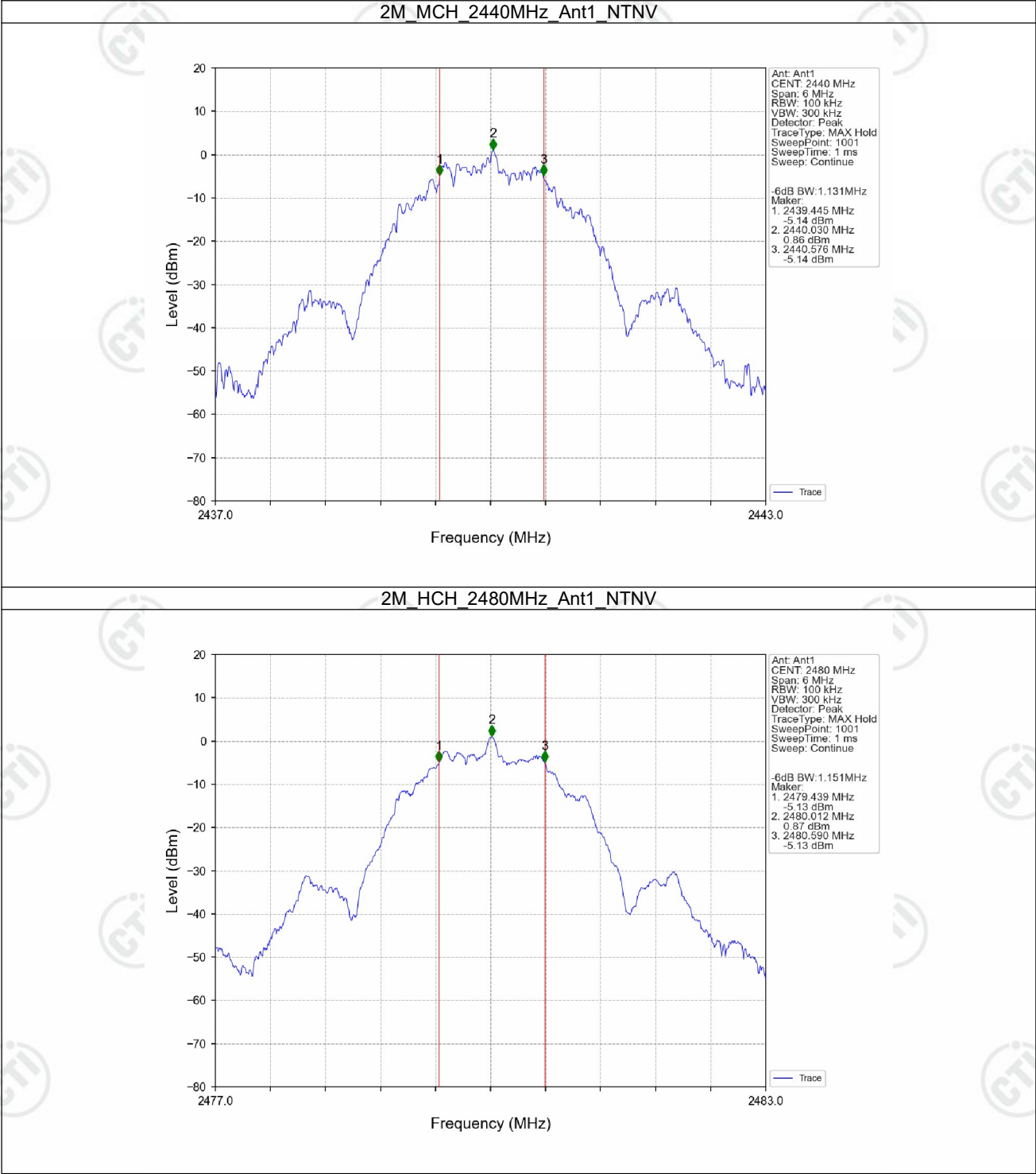




2.2.2 6dB BW







3. Maximum Conducted Output Power

3.1 Test Result

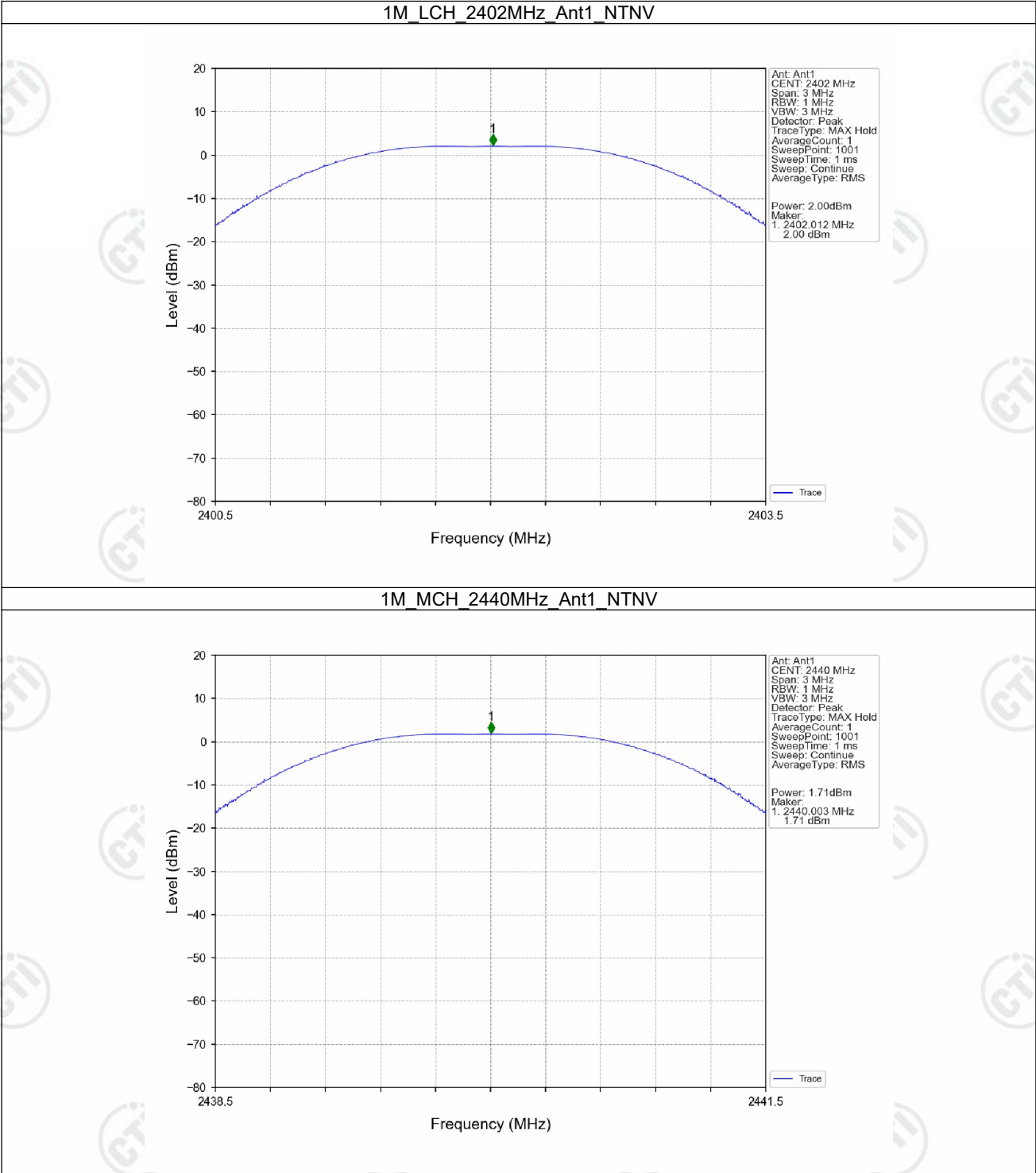
3.1.1 Power

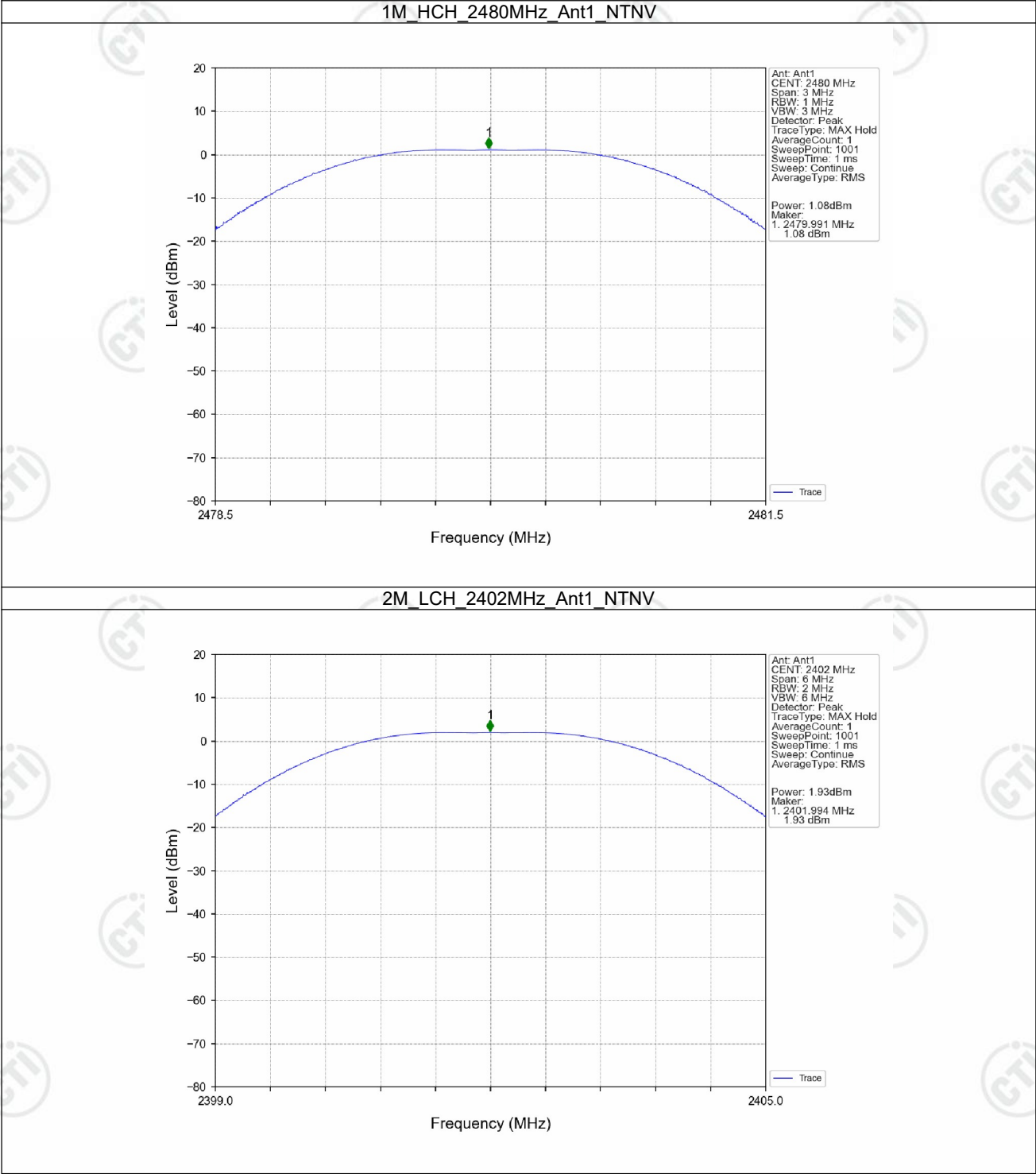
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	2.00	<=30	Pass
		2440	1.71	<=30	Pass
		2480	1.08	<=30	Pass
2M	SISO	2402	1.93	<=30	Pass
		2440	1.65	<=30	Pass
		2480	1.08	<=30	Pass

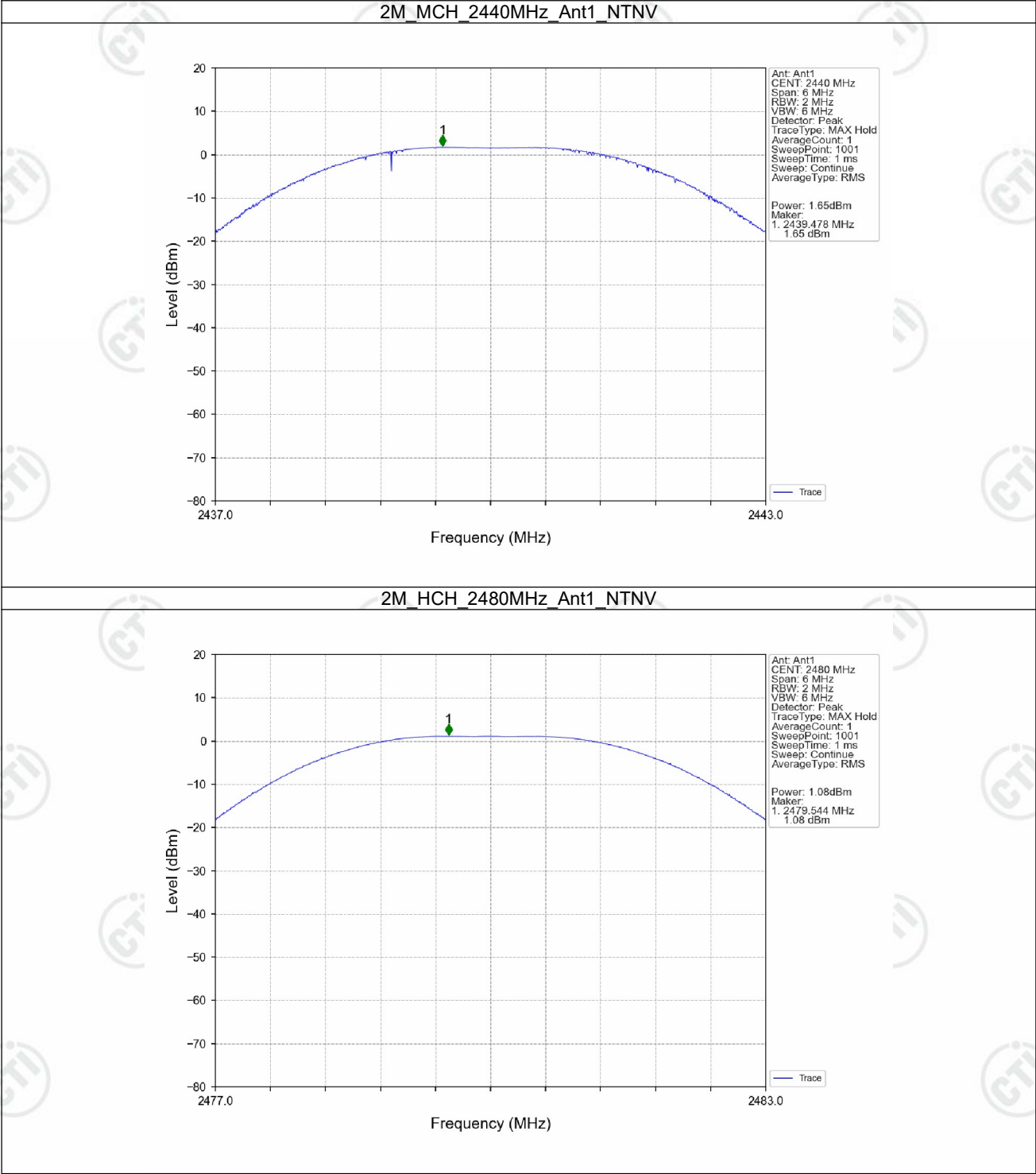
Note1: Antenna Gain: Ant1: 2.72dBi;

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 (dBm/3kHz)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-13.08dBm/3kHz	<=8	Pass
		2440	-13.17dBm/3kHz	<=8	Pass
		2480	-13.81dBm/3kHz	<=8	Pass
2M	SISO	2402	-15.65dBm/3kHz	<=8	Pass
		2440	-15.98dBm/3kHz	<=8	Pass
		2480	-16.38dBm/3kHz	<=8	Pass

Note1: Antenna Gain: Ant1: 2.72dBi;

4.2 Test Graph

4.2.1 PSD

