

Appendix RF Test Data for BLE

Company: : YCMEAS (Foshan) Intelligent Manufacturing
Technology Co., Ltd.

EUT : YC360 Plus

FCC ID: : 2BW7Y-YC360PLUS

Model Number : YC360 Plus

Report No. : HTT202607070F01

Reviewed By : Heber He

1. Duty Cycle

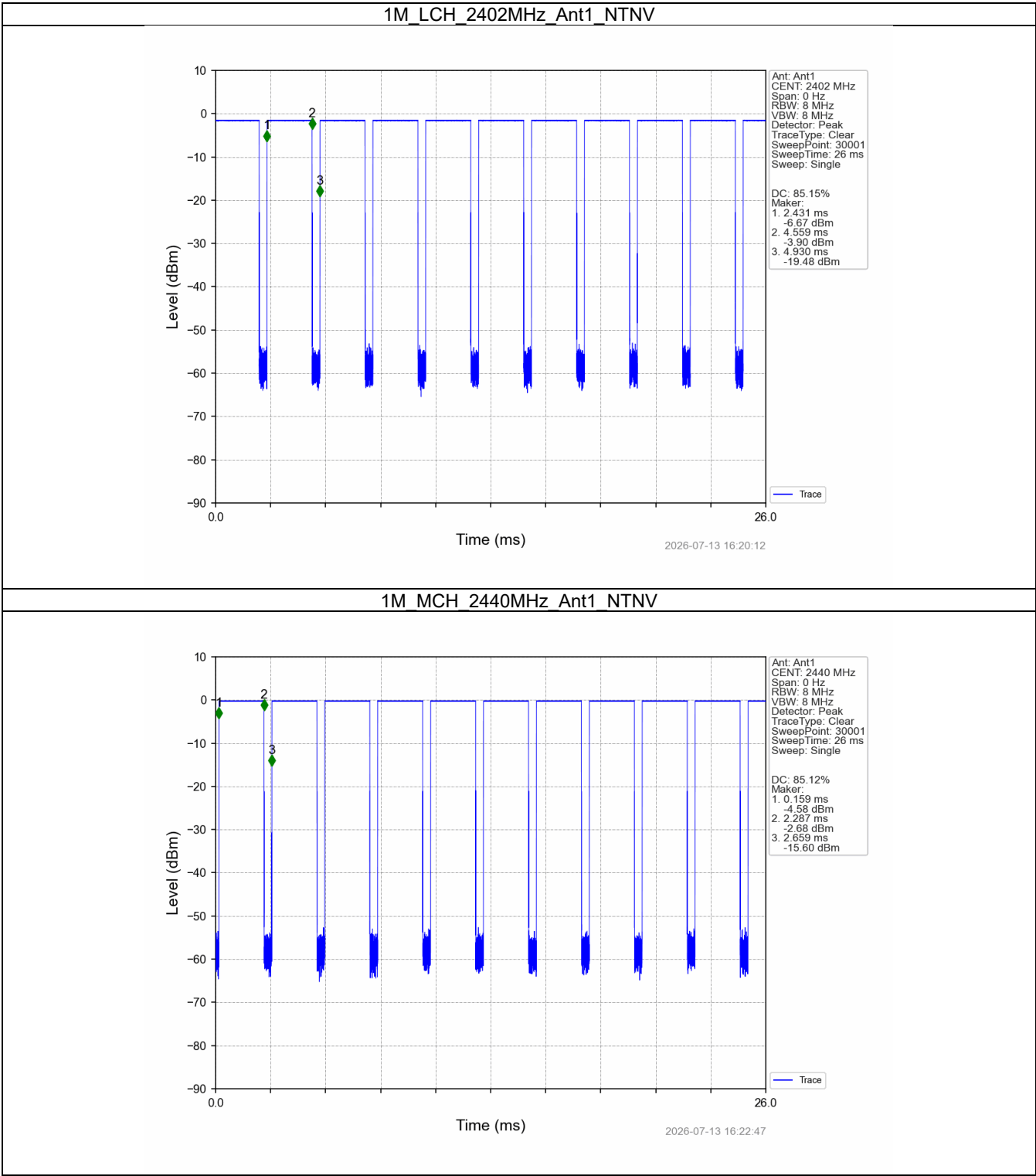
1.1 Test Result

1.1.1 Ant1

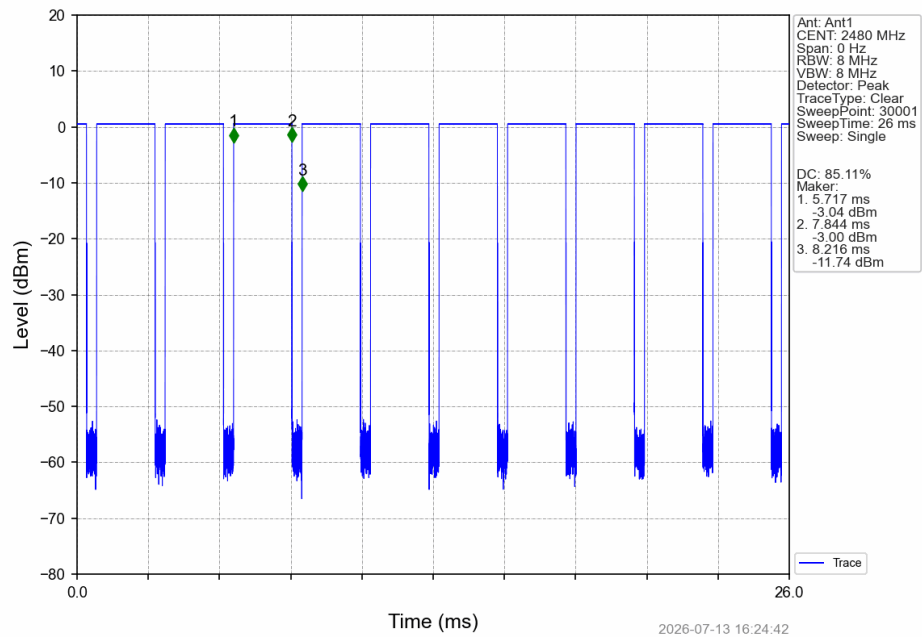
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.128	2.499	85.15	0.70	0.01
		2440	2.128	2.500	85.12	0.70	0.03
		2480	2.127	2.499	85.11	0.70	0.01

1.2 Test Graph

1.2.1 Ant1



1M_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

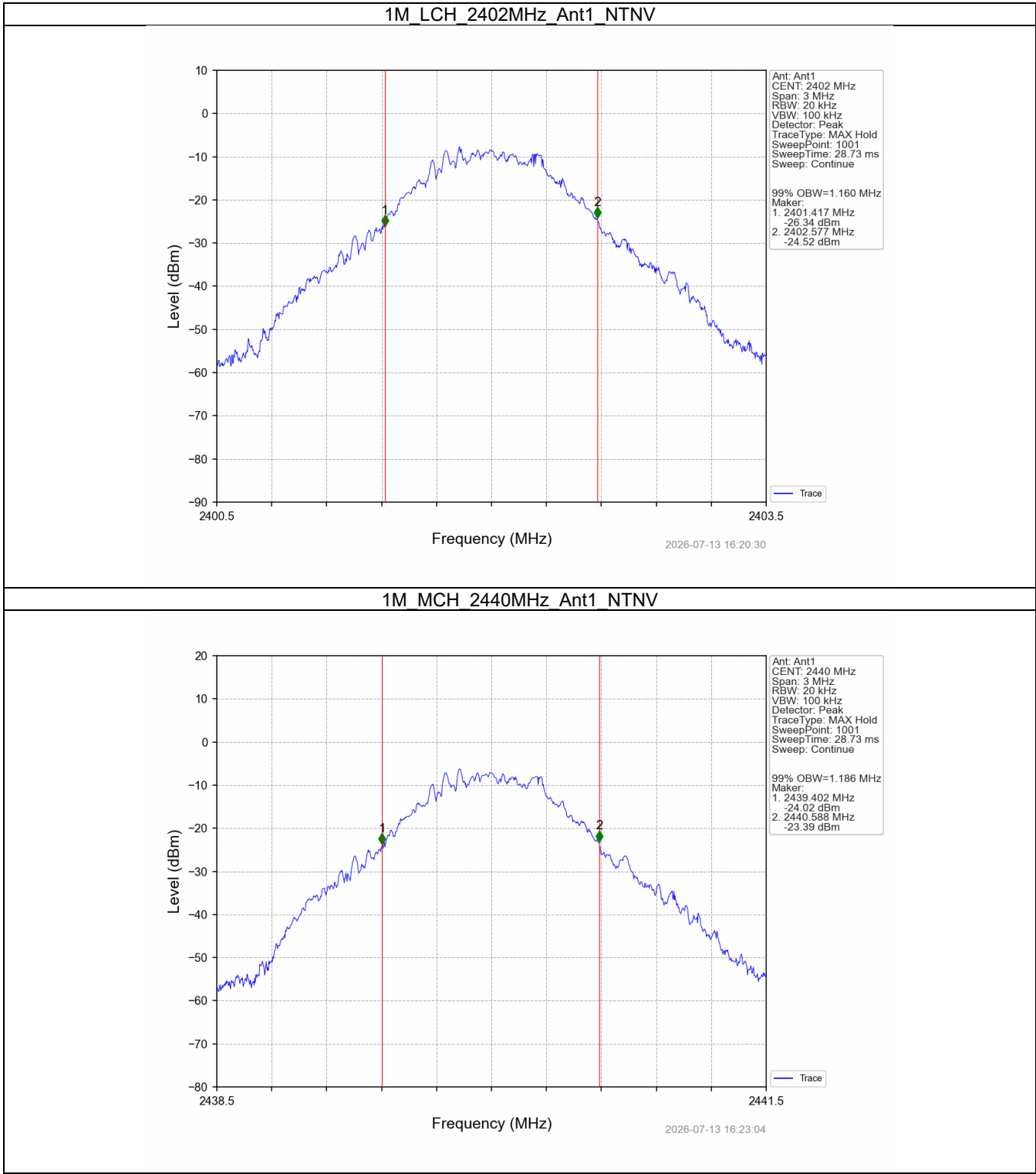
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.160	/	Pass
		2440	1	1.186	/	Pass
		2480	1	1.232	/	Pass

2.1.2 6dB BW

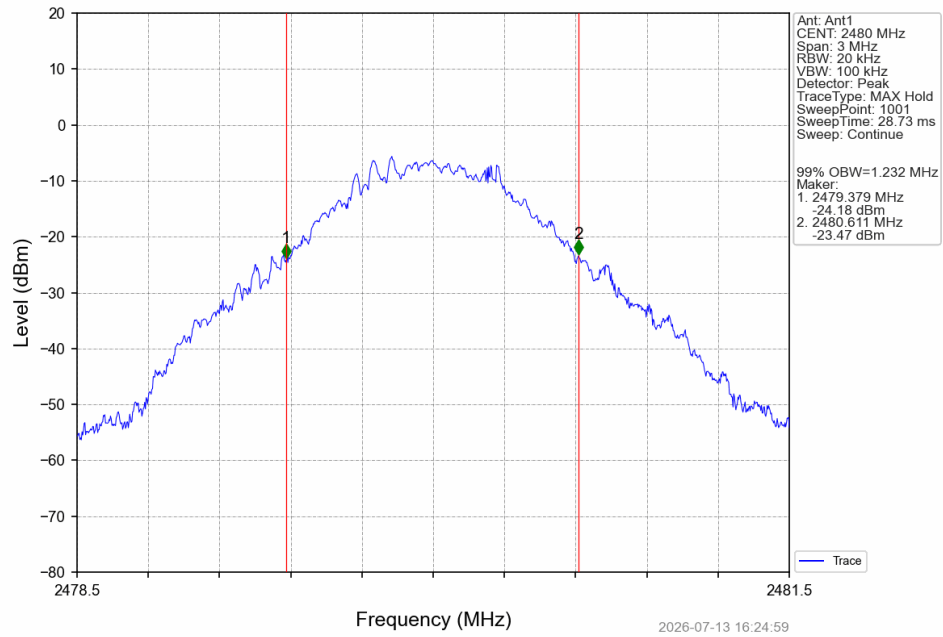
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.750	≥ 0.5	Pass
		2440	1	0.740	≥ 0.5	Pass
		2480	1	0.745	≥ 0.5	Pass

2.2 Test Graph

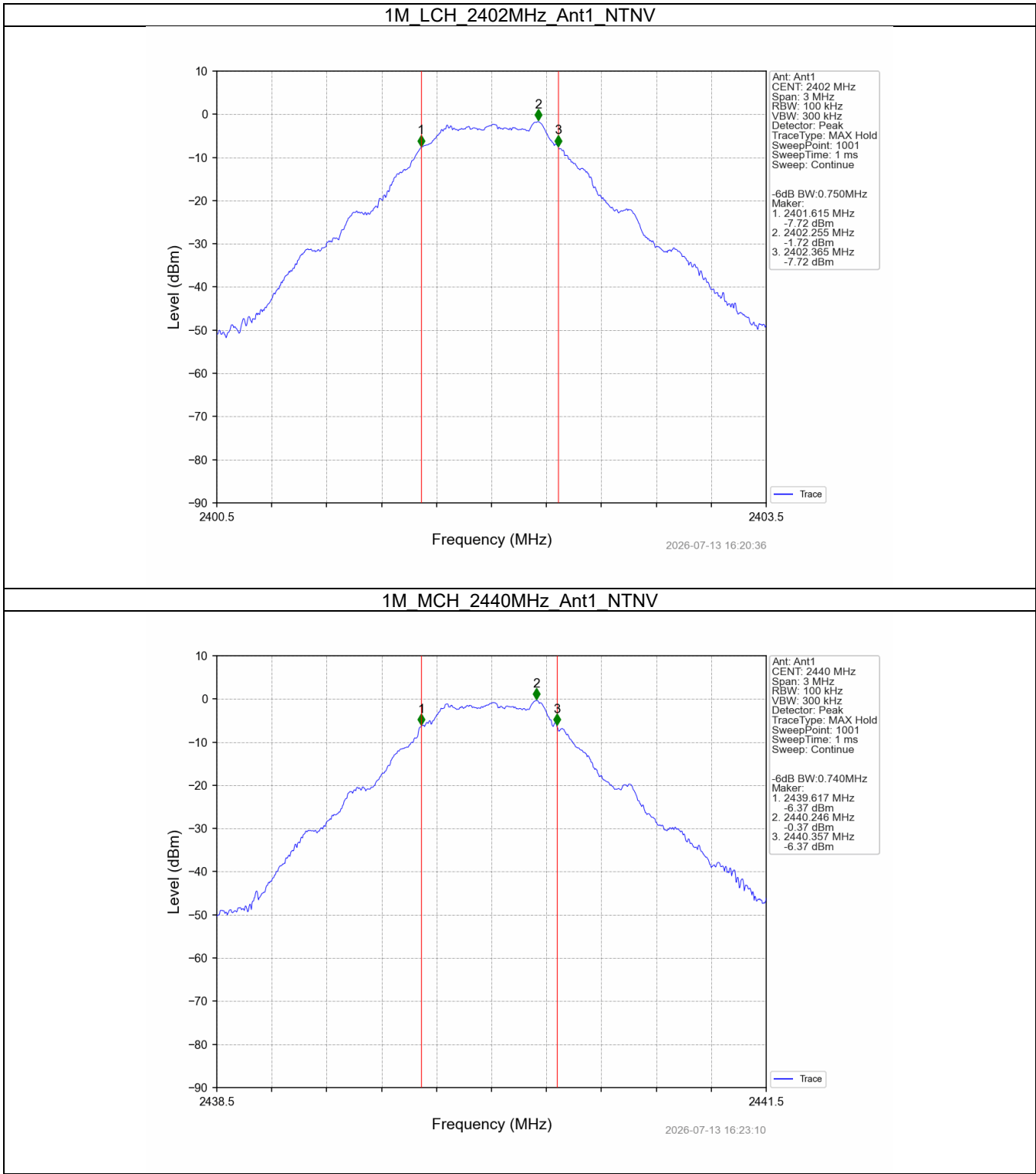
2.2.1 OBW



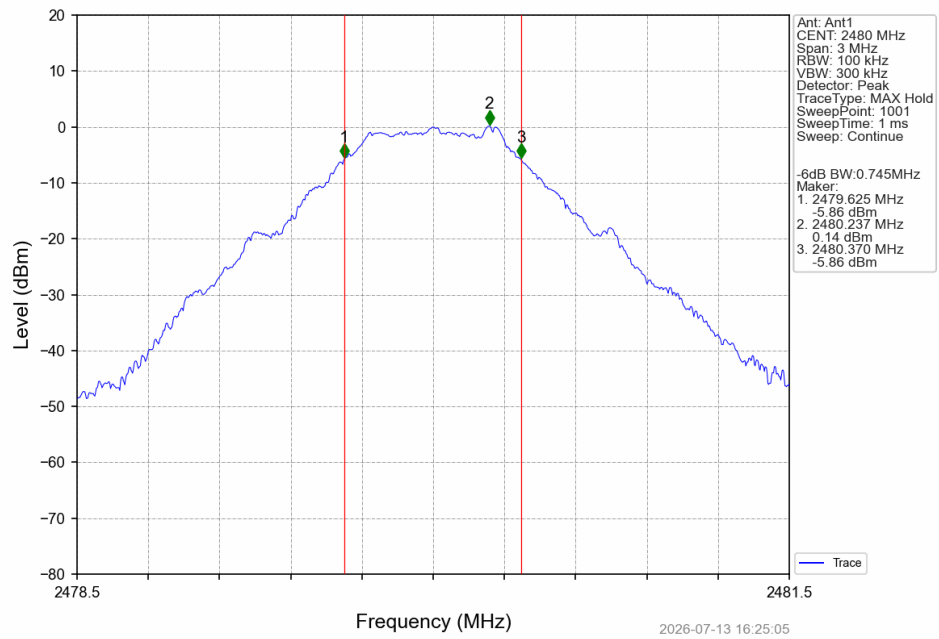
1M_HCH_2480MHz_Ant1_NTNV



2.2.2 6dB BW



1M_HCH_2480MHz_Ant1_NTNV



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	-1.56	<=30	Pass
		2440	-0.22	<=30	Pass
		2480	0.53	<=30	Pass

4. Maximum Power Spectral Density

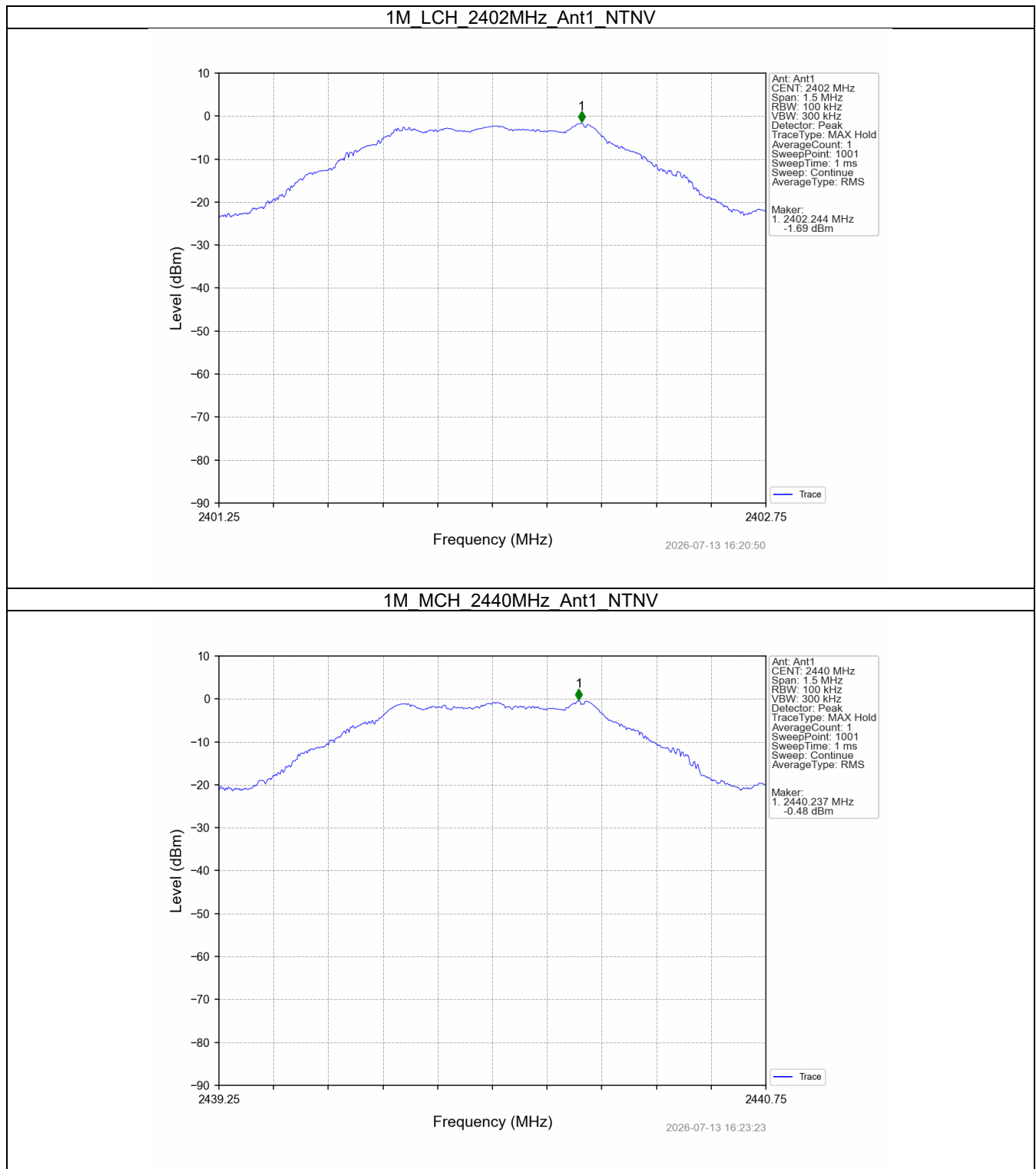
4.1 Test Result

4.1.1 PSD

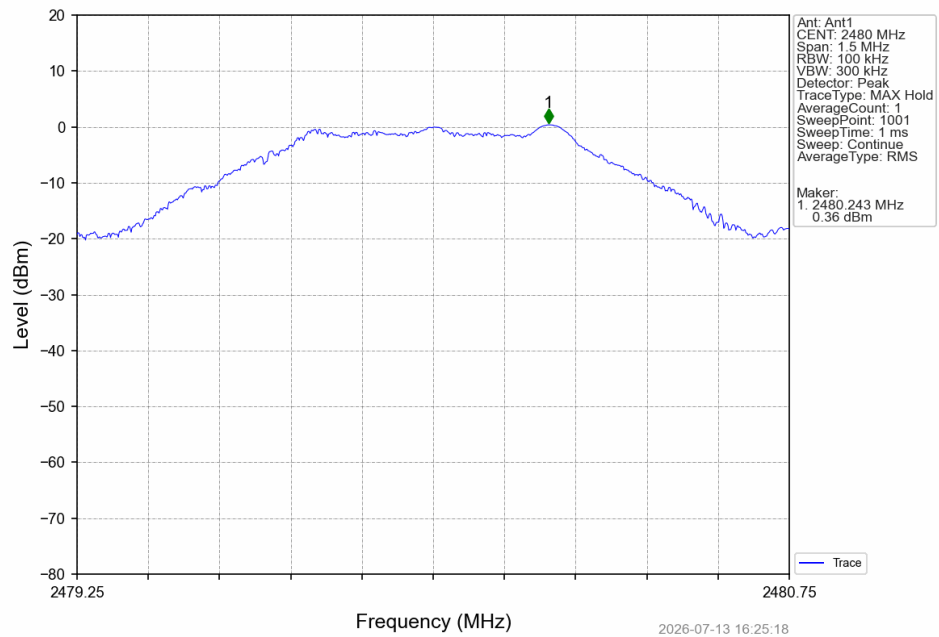
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-1.69dBm/100kHz	<=8	Pass
		2440	-0.48dBm/100kHz	<=8	Pass
		2480	0.36dBm/100kHz	<=8	Pass

4.2 Test Graph

4.2.1 PSD



1M_HCH_2480MHz_Ant1_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

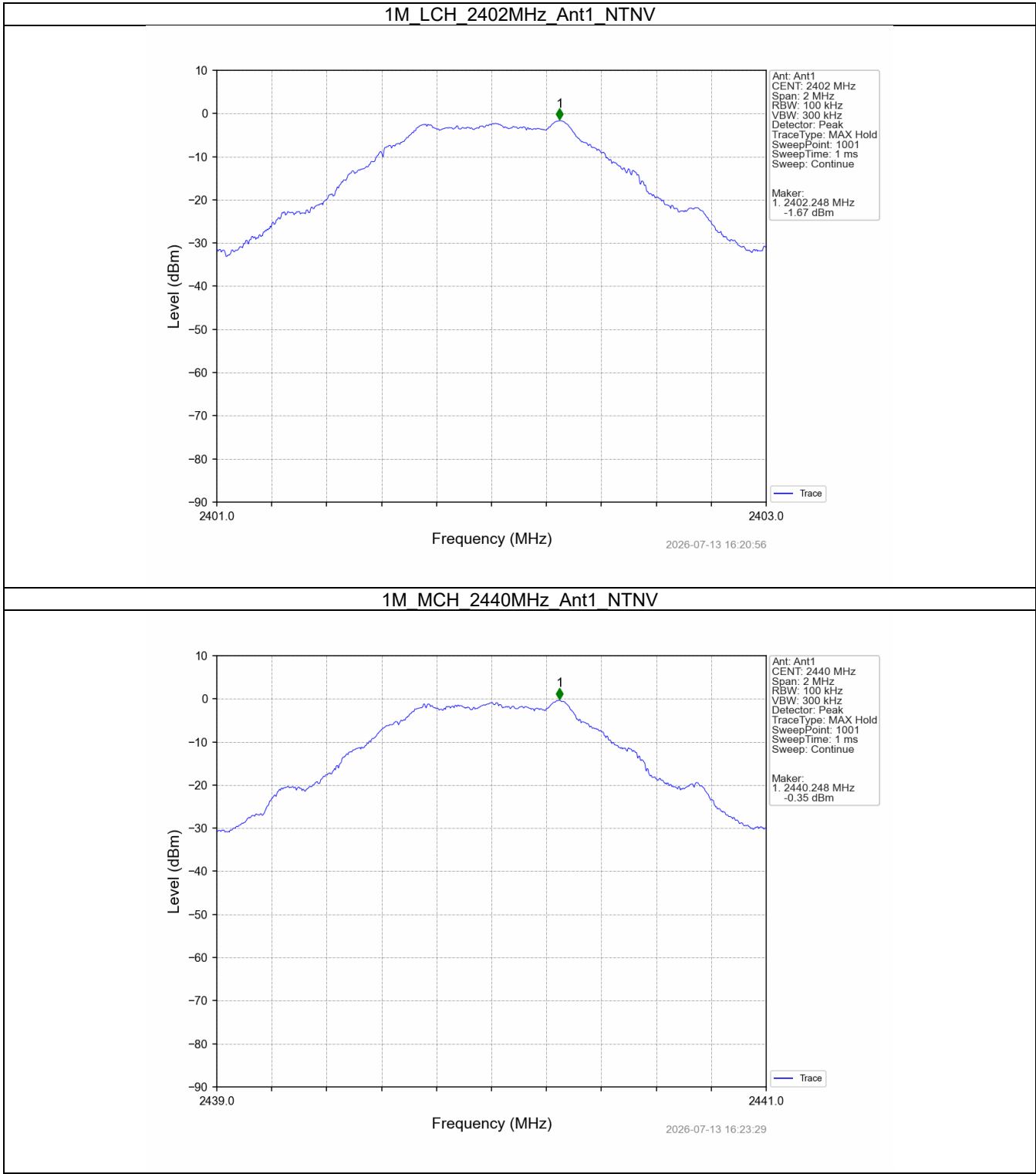
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.67
		2440	1	-0.35
		2480	1	0.37

5.1.2 CSE

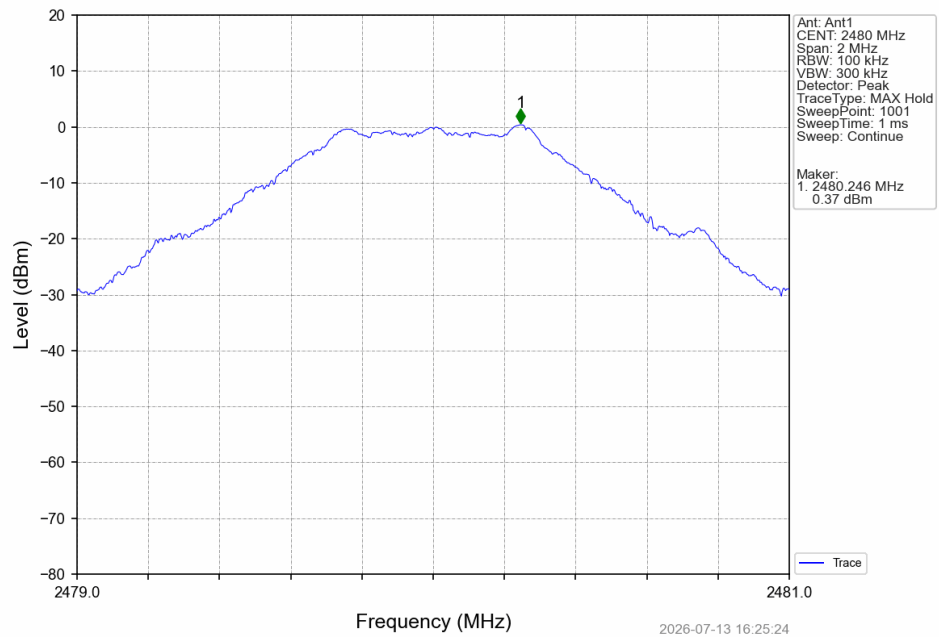
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.67	-21.67	Pass
		2440	1	-0.35	-20.35	Pass
		2480	1	0.37	-19.63	Pass

5.2 Test Graph

5.2.1 Ref

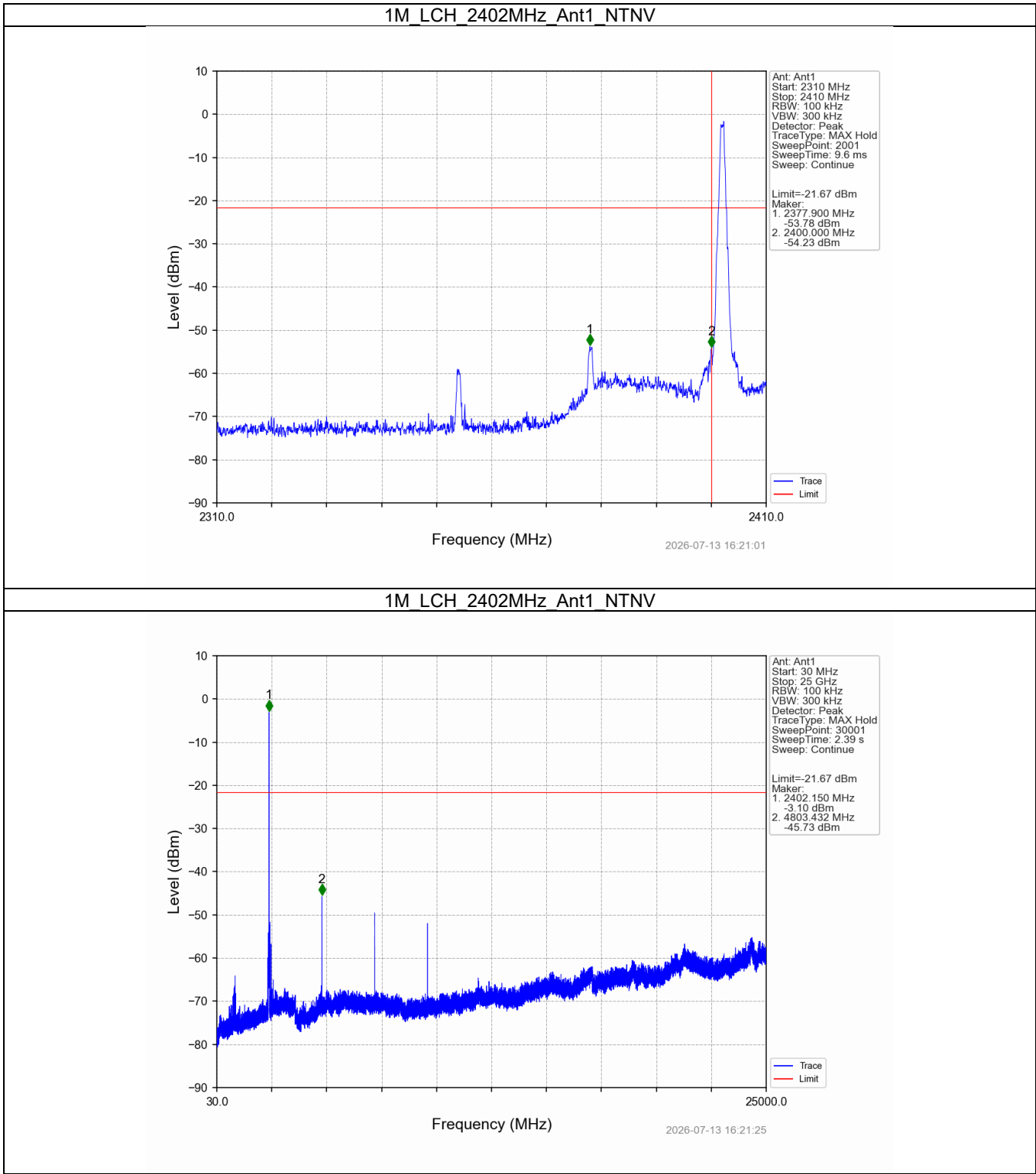


1M_HCH_2480MHz_Ant1_NTNV

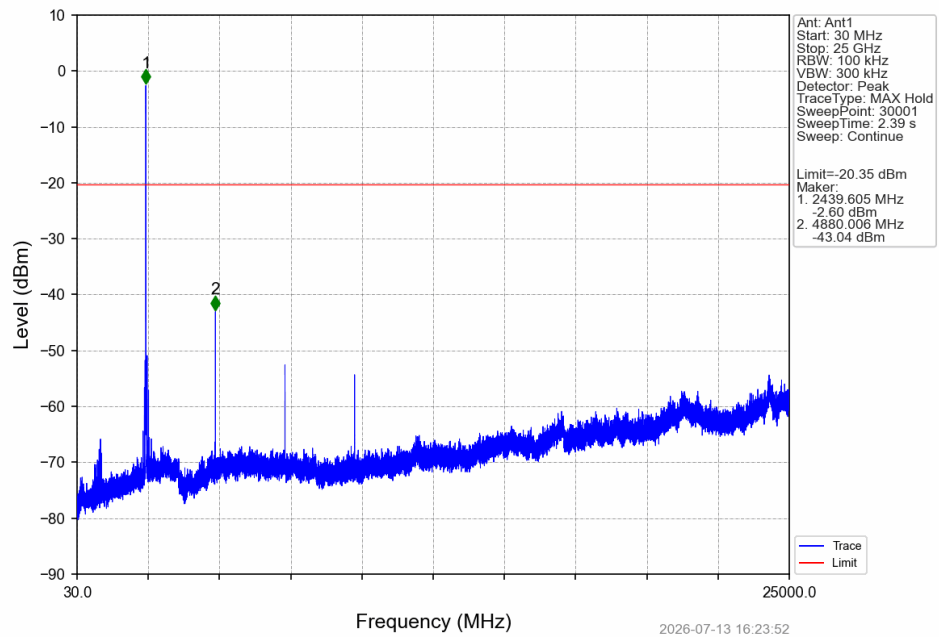


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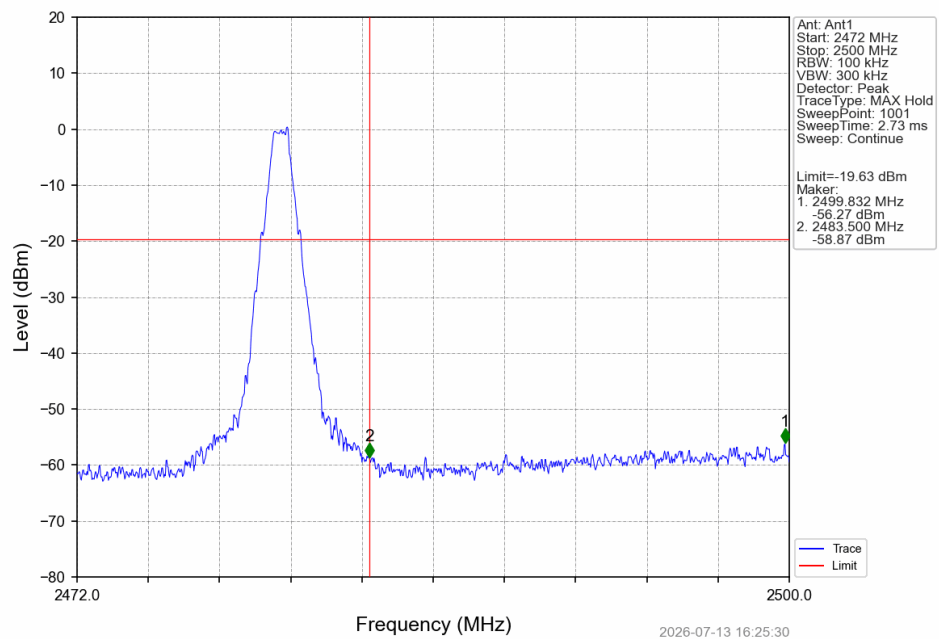
5.2.2 CSE



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

