

RF Test Data

For

Project No.:	DLE-260310042
Client:	Quantum Creations LLC
Manufacturer:	QUTHC Limited
Product Description:	Ally Pro Mini PC
Model Number:	APS0TW
Test Engineer:	Alisa Song
Test Date:	2026-03-24

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass
Frequency Error	Pass

1. Duty Cycle

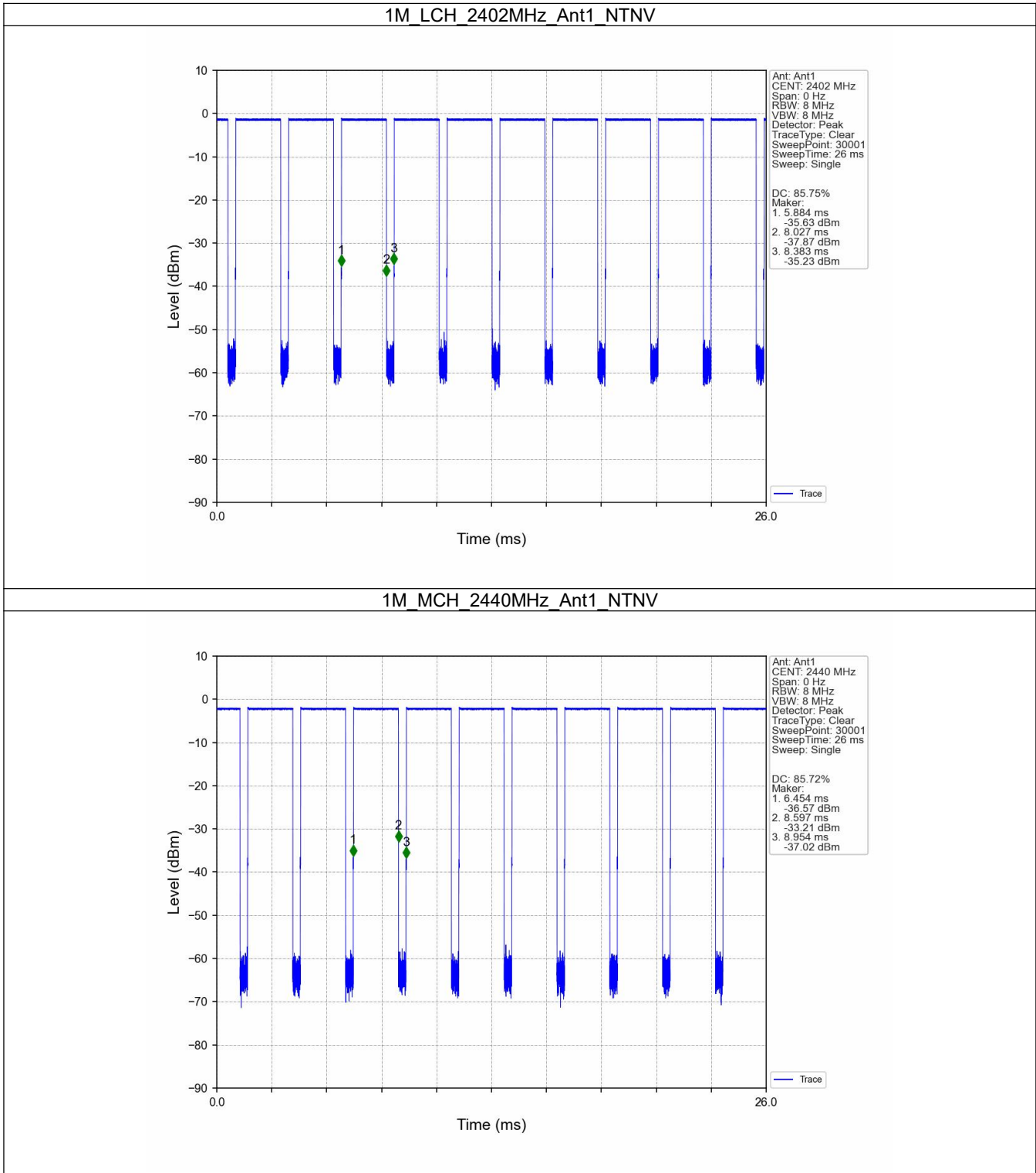
1.1 Test Result

1.1.1 Ant1

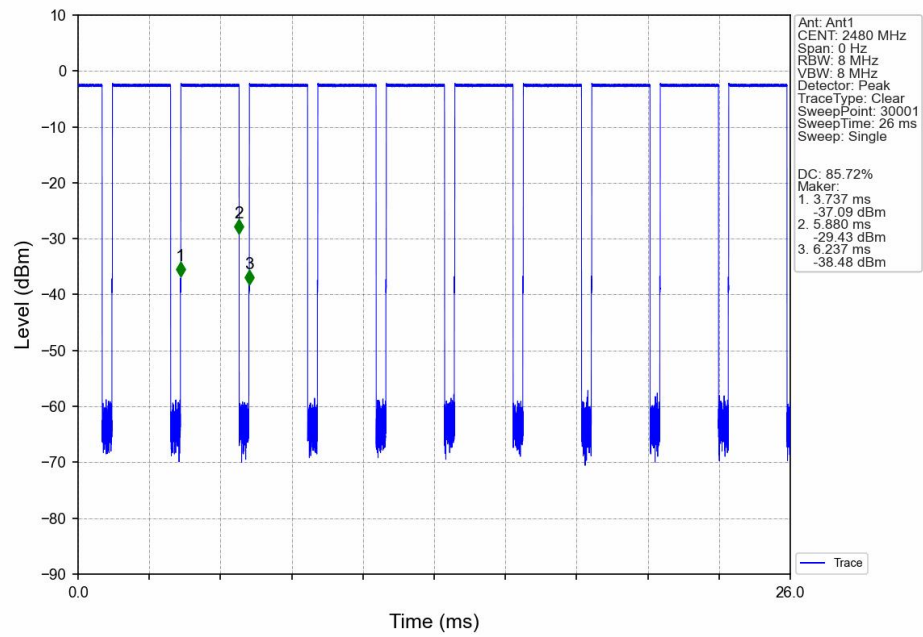
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	2.143	2.499	85.75	0.67	0.03
		2440	2.143	2.500	85.72	0.67	0.03
		2480	2.143	2.500	85.72	0.67	0.03

1.2 Test Graph

1.2.1 Ant1



1M_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

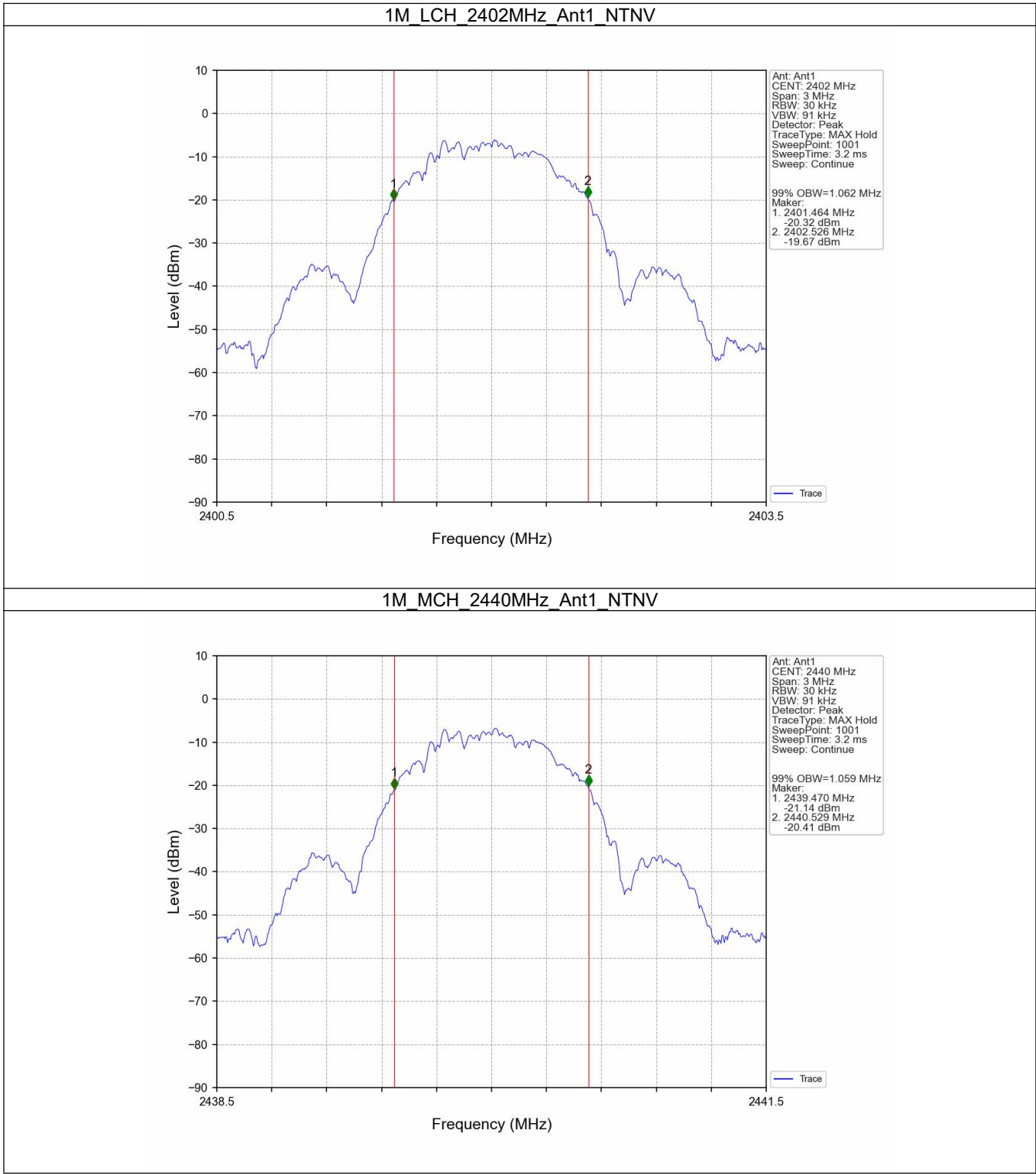
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.062	/	Pass
		2440	1	1.059	/	Pass
		2480	1	1.063	/	Pass

2.1.2 6dB BW

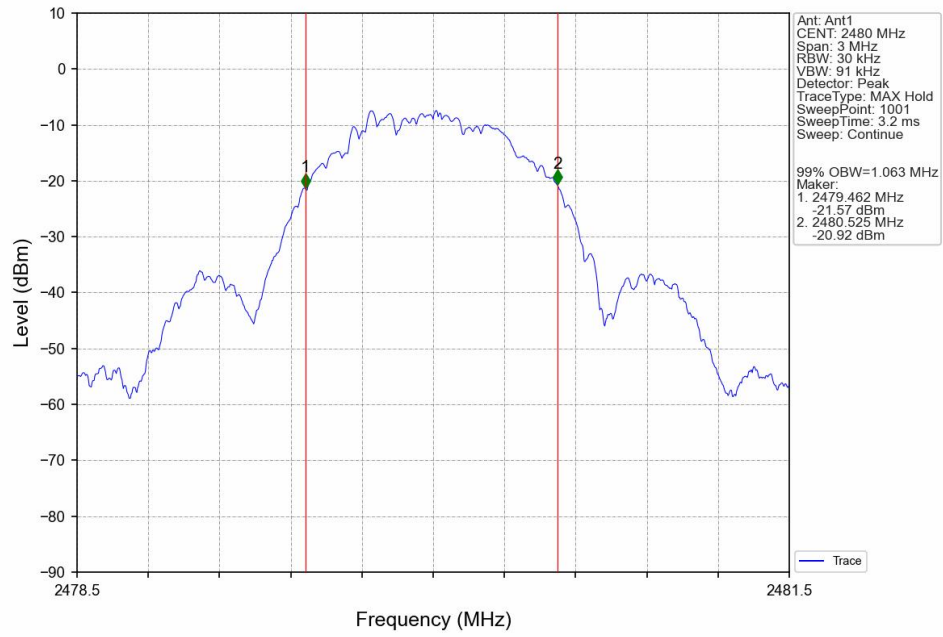
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.721	≥ 0.5	Pass
		2440	1	0.713	≥ 0.5	Pass
		2480	1	0.713	≥ 0.5	Pass

2.2 Test Graph

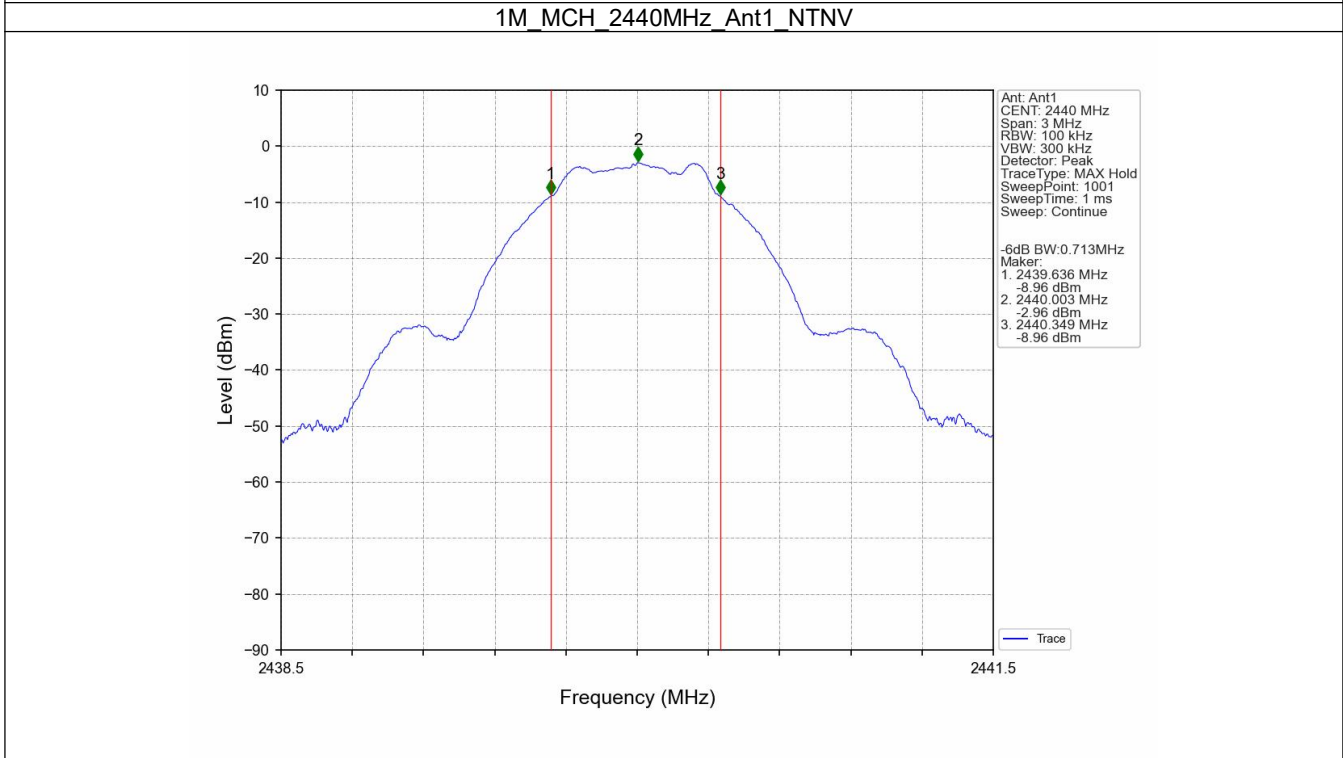
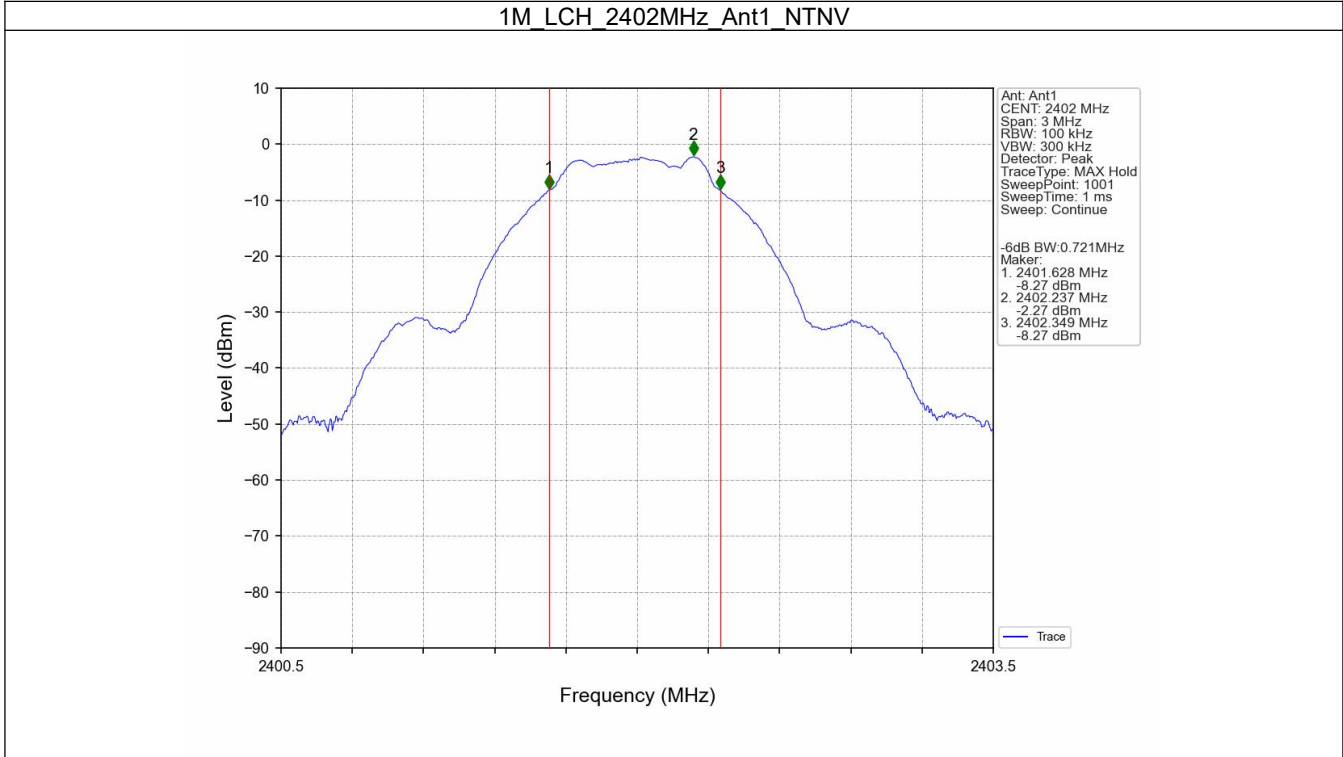
2.2.1 OBW



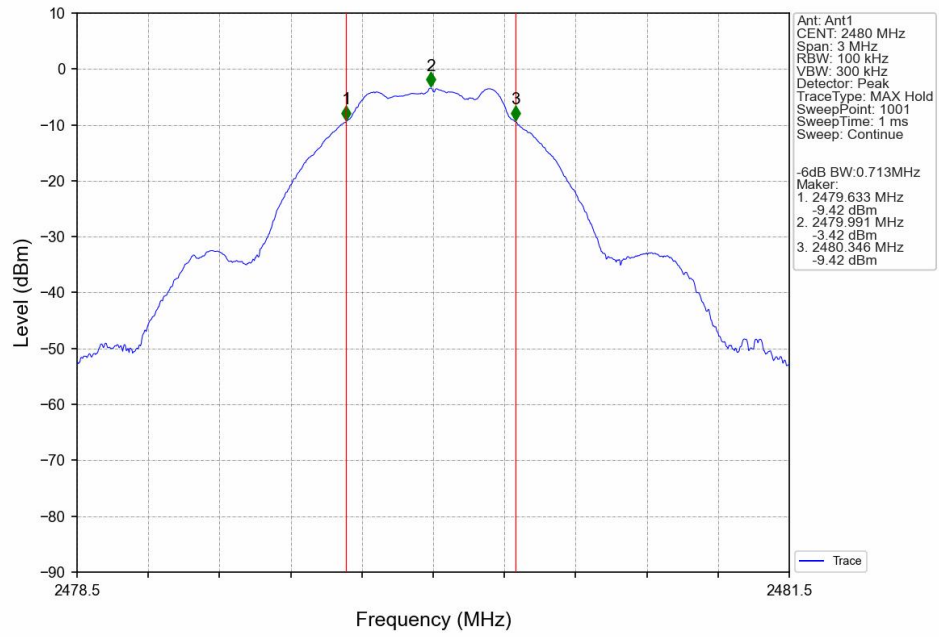
1M_HCH_2480MHz_Ant1_NTNV



2.2.2 6dB BW



1M_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

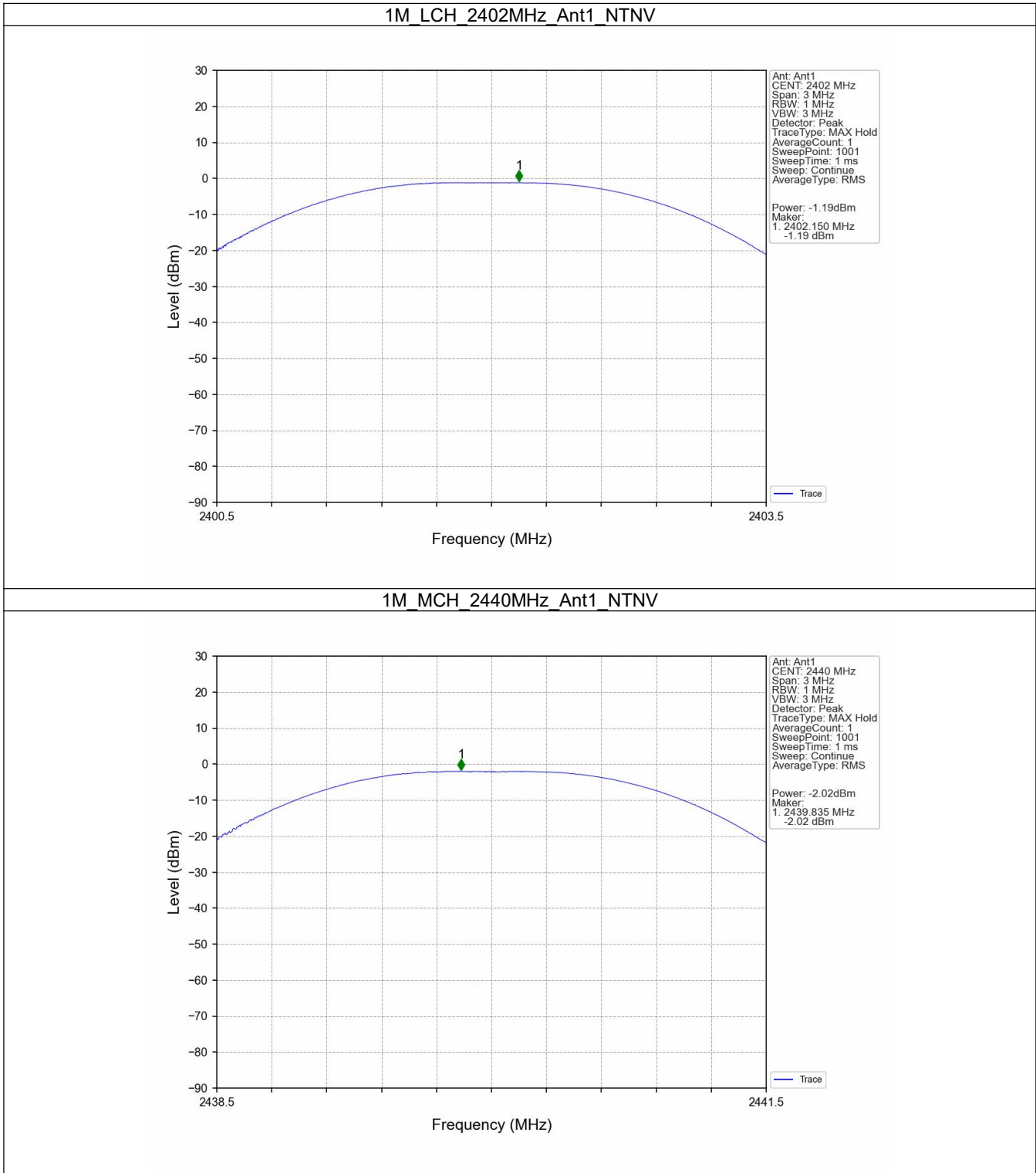
3.1 Test Result

3.1.1 Power

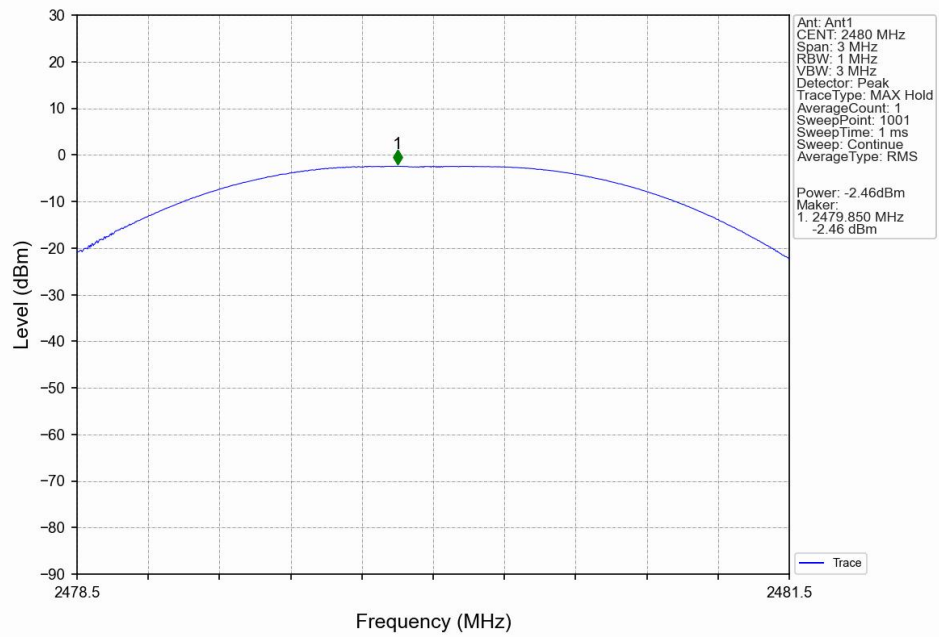
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.19	<=30	Pass
		2440	-2.02	<=30	Pass
		2480	-2.46	<=30	Pass
Note1: Antenna Gain: Ant1: 2.46dBi;					

3.2 Test Graph

3.2.1 Power



1M_HCH_2480MHz_Ant1_NTNV



4. Maximum Power Spectral Density

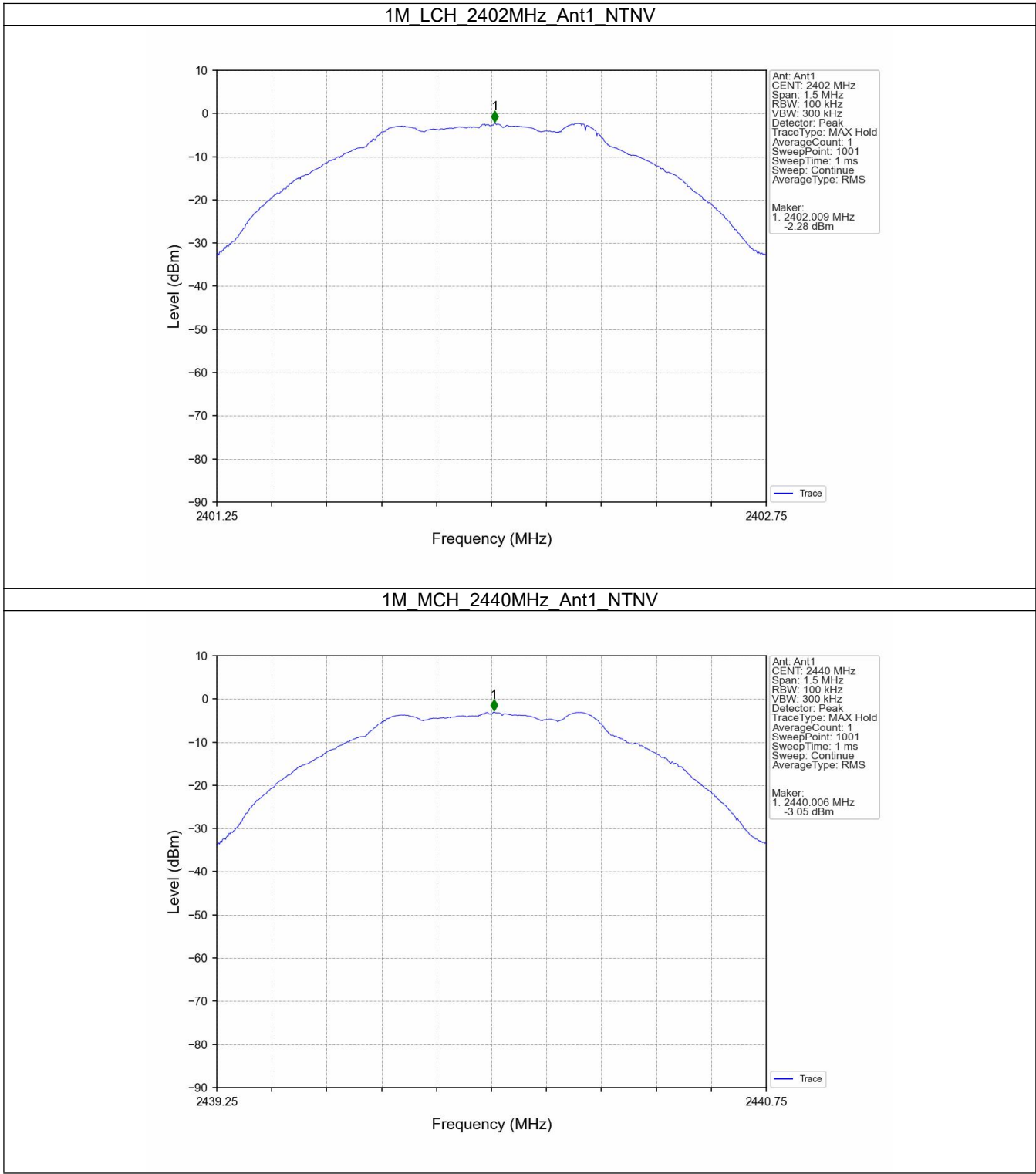
4.1 Test Result

4.1.1 PSD

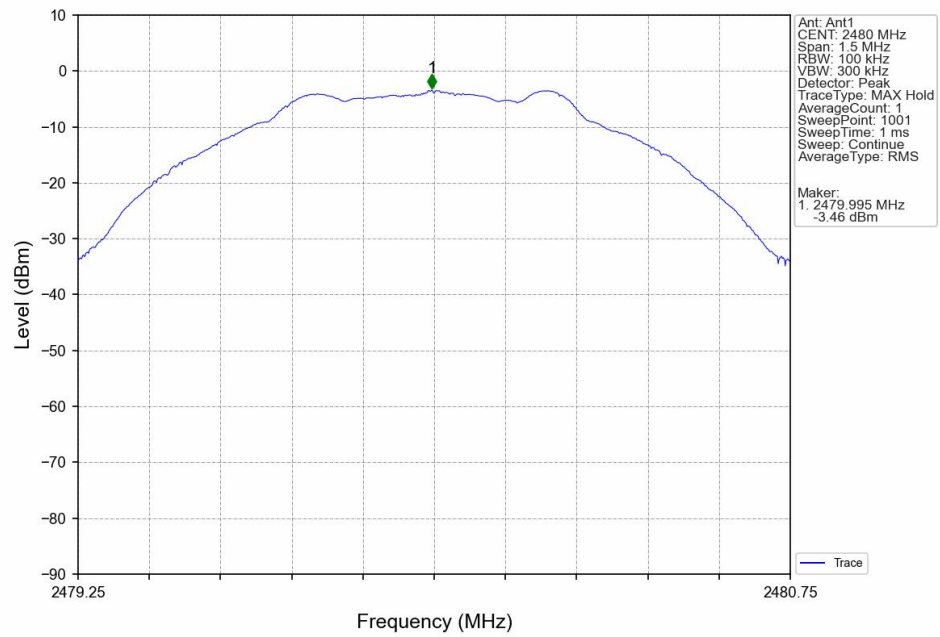
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-2.28	<=8	Pass
		2440	-3.05	<=8	Pass
		2480	-3.46	<=8	Pass
Note1: Antenna Gain: Ant1: 2.46dBi;					

4.2 Test Graph

4.2.1 PSD



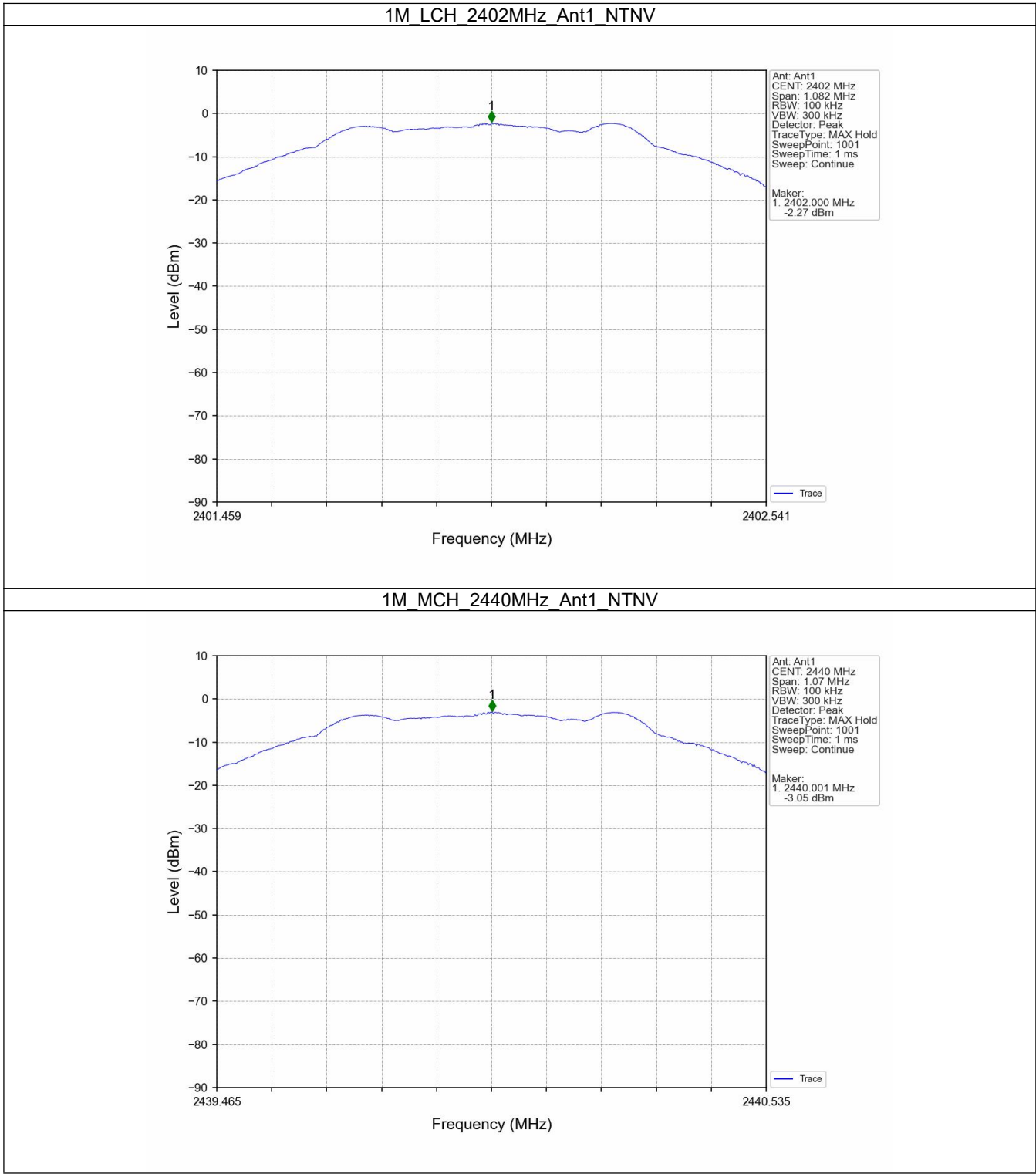
1M_HCH_2480MHz_Ant1_NTNV



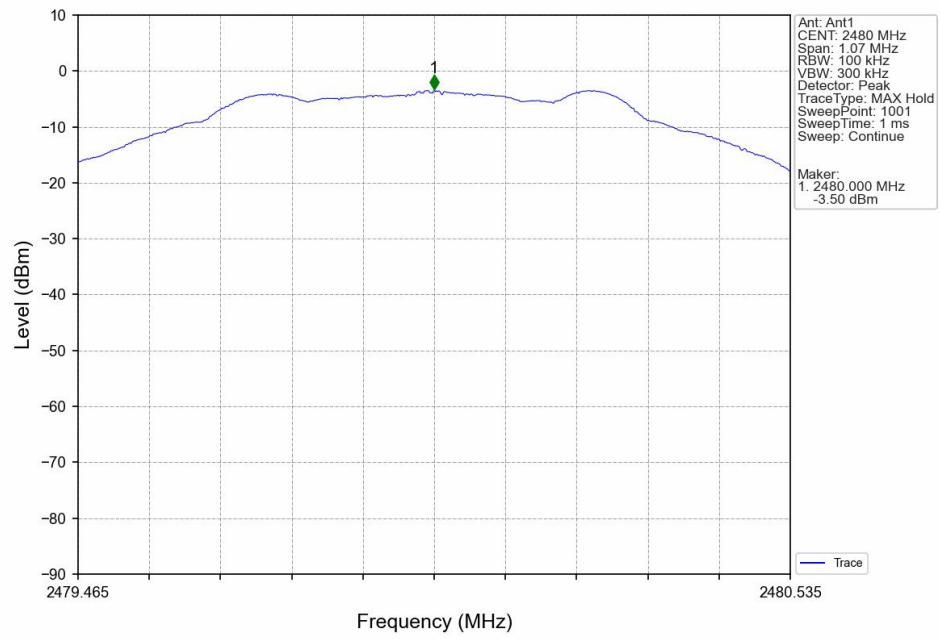
Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-2.27	-22.27	Pass
		2440	1	-3.05	-23.05	Pass
		2480	1	-3.50	-23.50	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

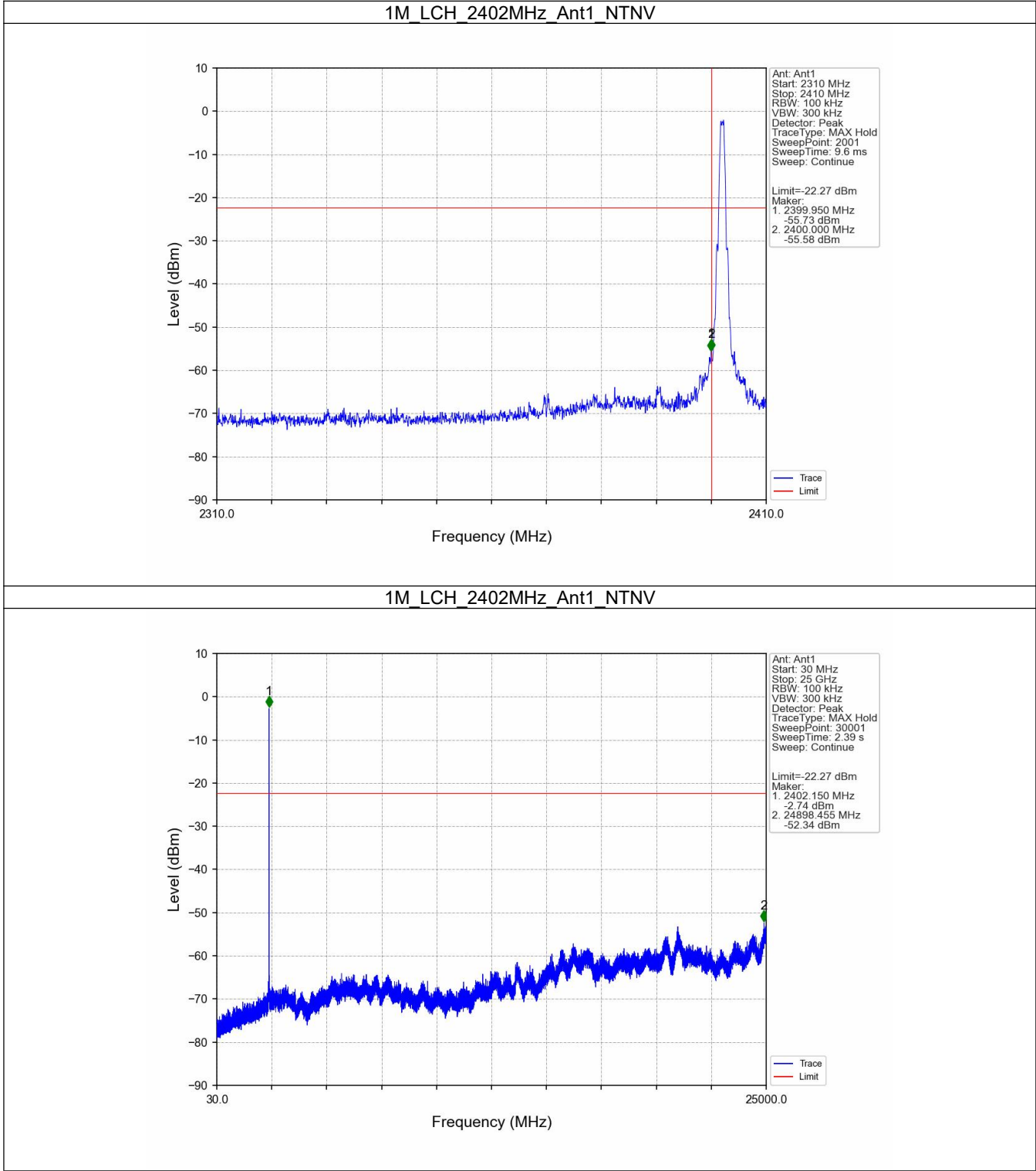
5.2.1 Ref



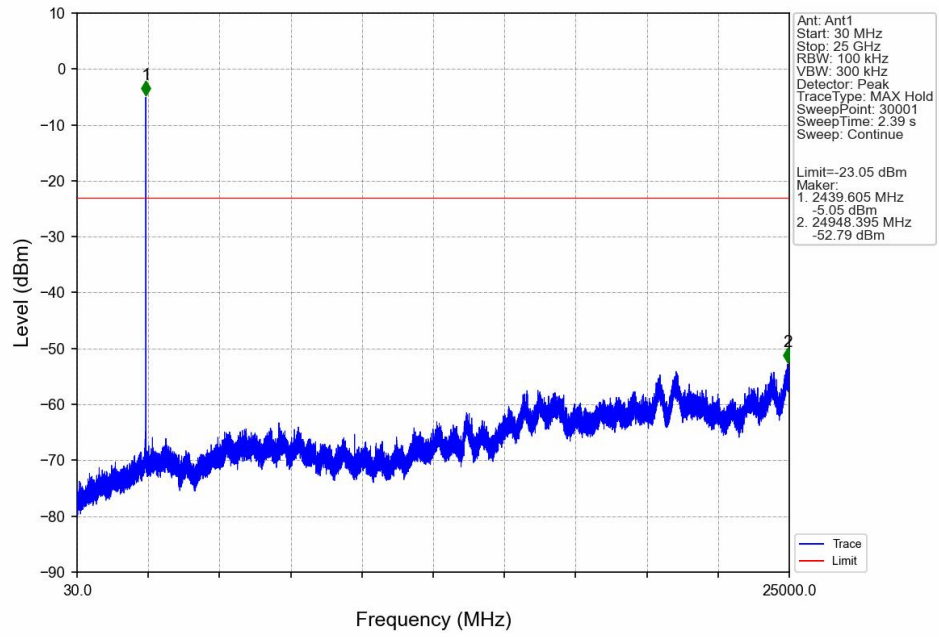
1M_HCH_2480MHz_Ant1_NTNV



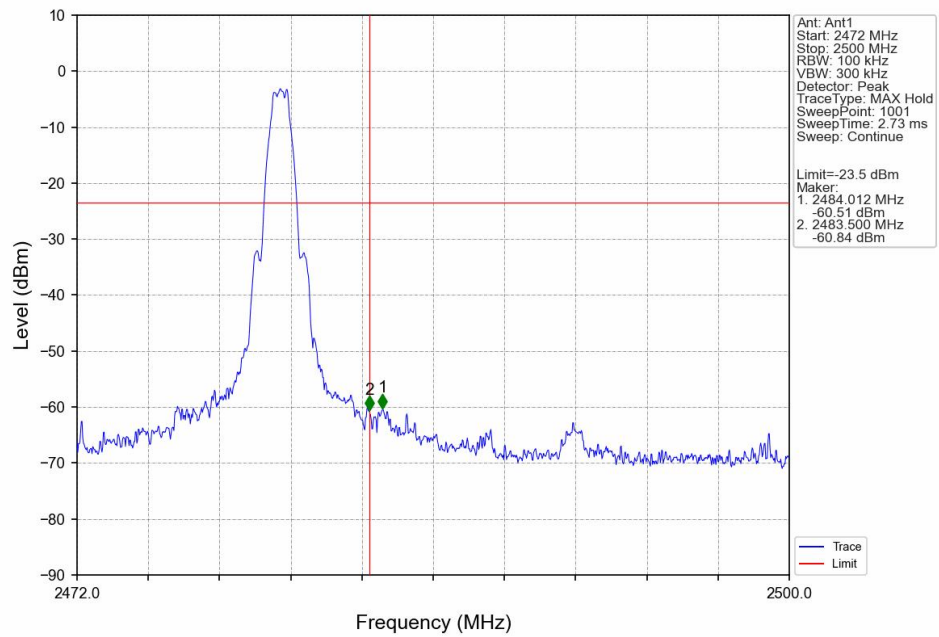
5.2.2 CSE



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

