

RF Test Report

For

Project No.:	DLE-250522001R
Client:	Acer Gadget Inc
Manufacturer:	Acer Gadget Inc
Product Description:	Mouse
Model Number:	NMR530
Test Engineer:	Alisa Song
Test Date:	2025-05-19

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

1. Duty Cycle

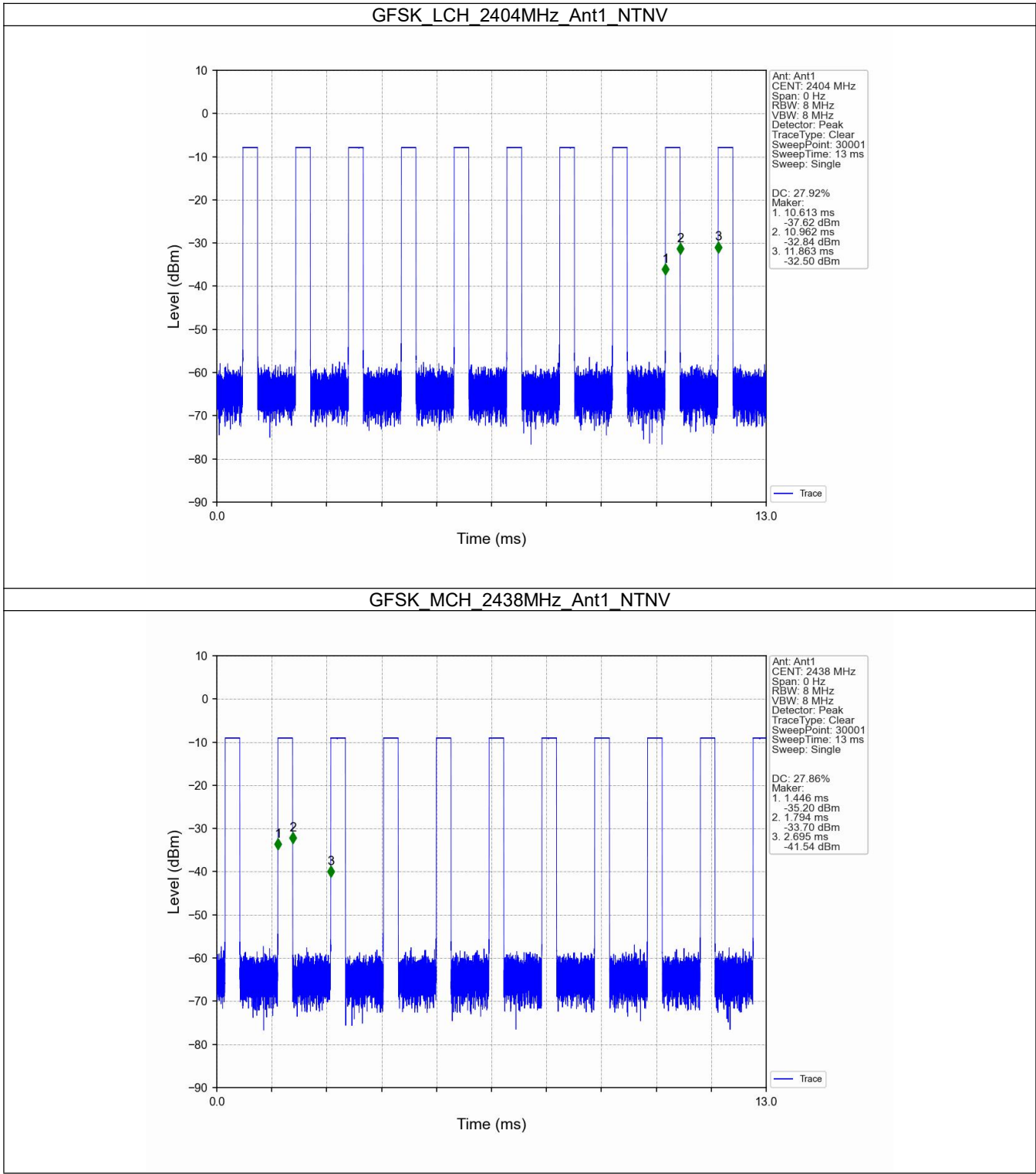
1.1 Test Result

1.1.1 Ant1

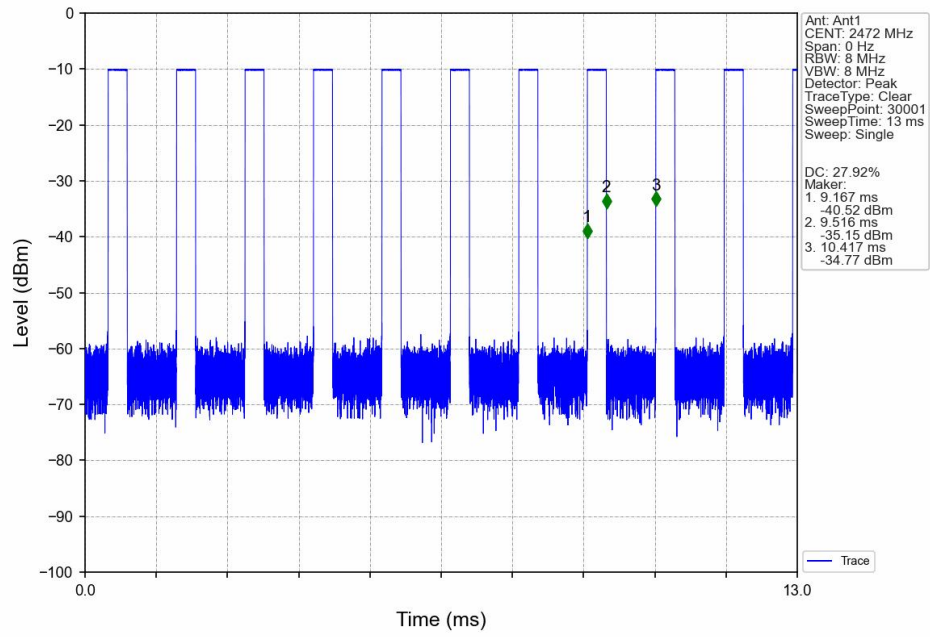
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2404	0.349	1.250	27.92	5.54	0.03
		2438	0.348	1.249	27.86	5.55	0.03
		2472	0.349	1.250	27.92	5.54	0.03

1.2 Test Graph

1.2.1 Ant1



GFSK_HCH_2472MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

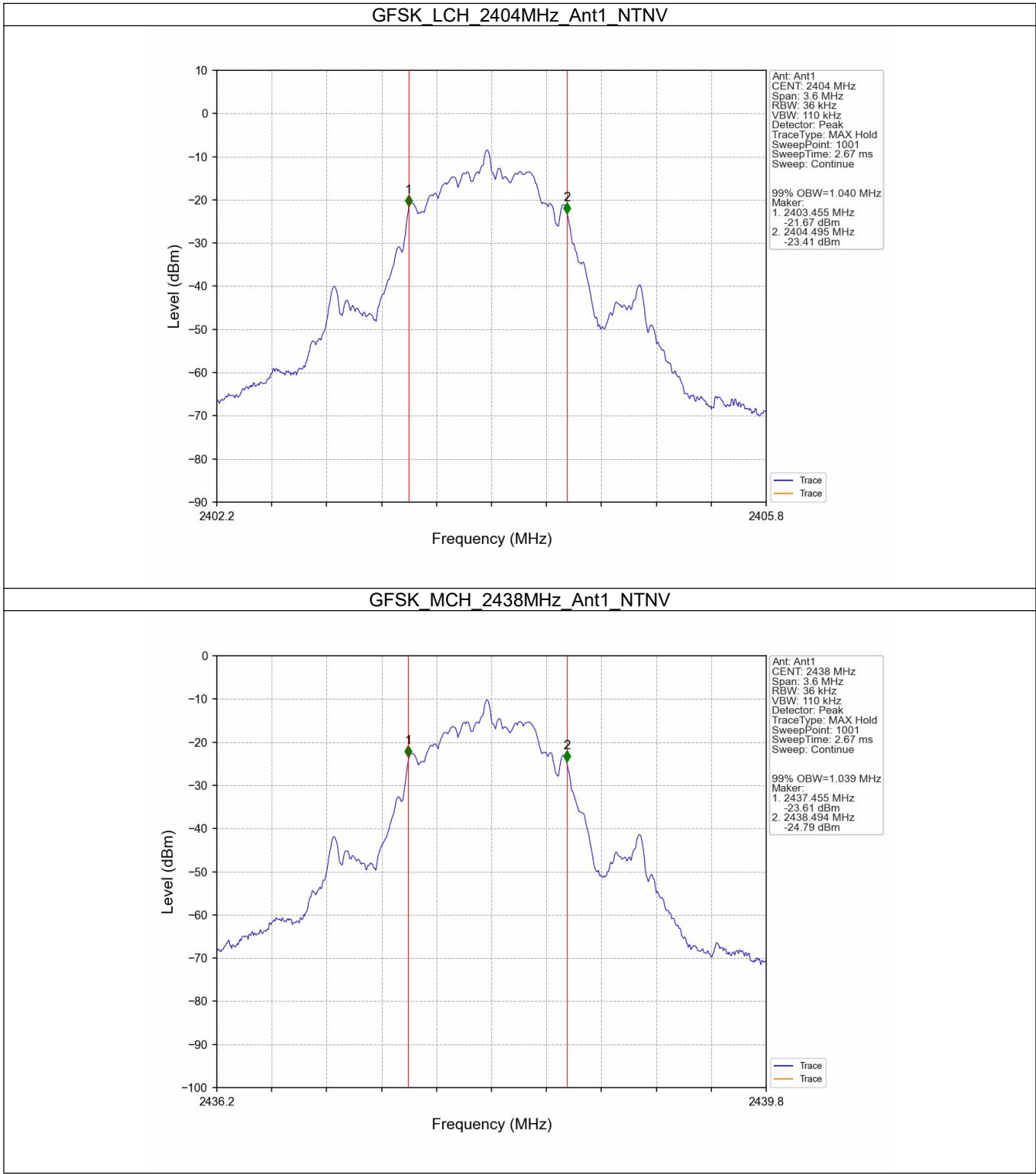
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2404	1	1.040	/	Pass
		2438	1	1.039	/	Pass
		2472	1	1.042	/	Pass

2.1.2 6dB BW

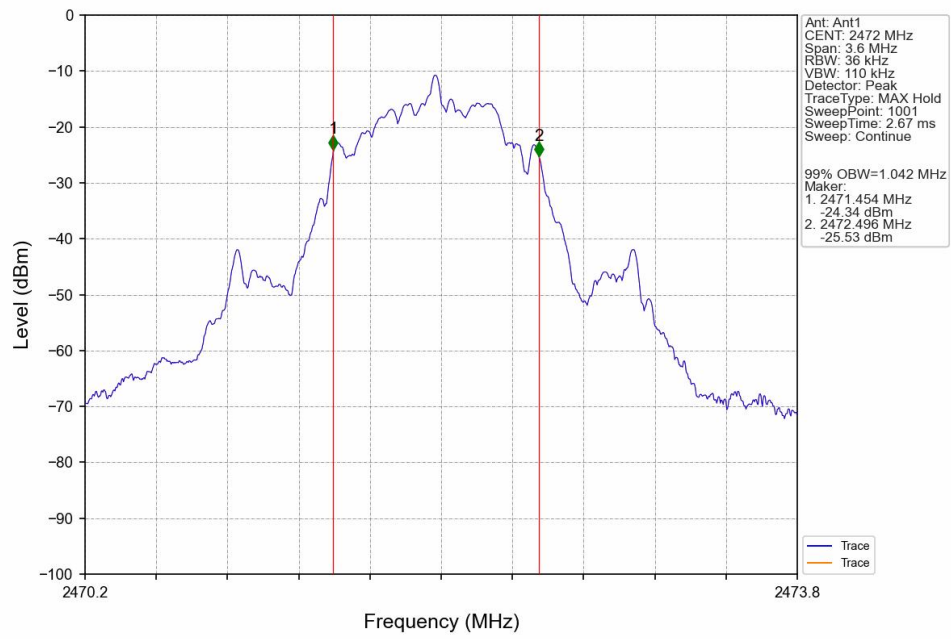
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2404	1	0.697	≥ 0.5	Pass
		2438	1	0.680	≥ 0.5	Pass
		2472	1	0.691	≥ 0.5	Pass

2.2 Test Graph

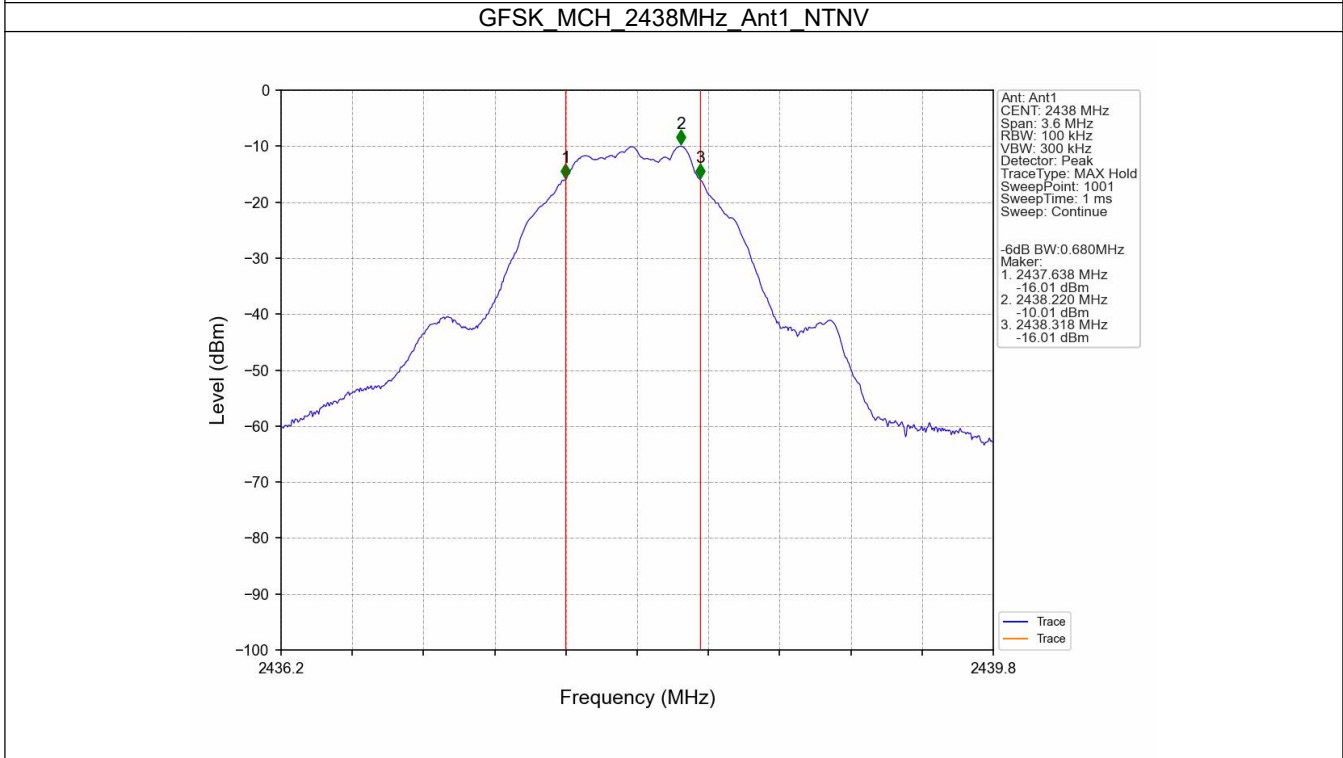
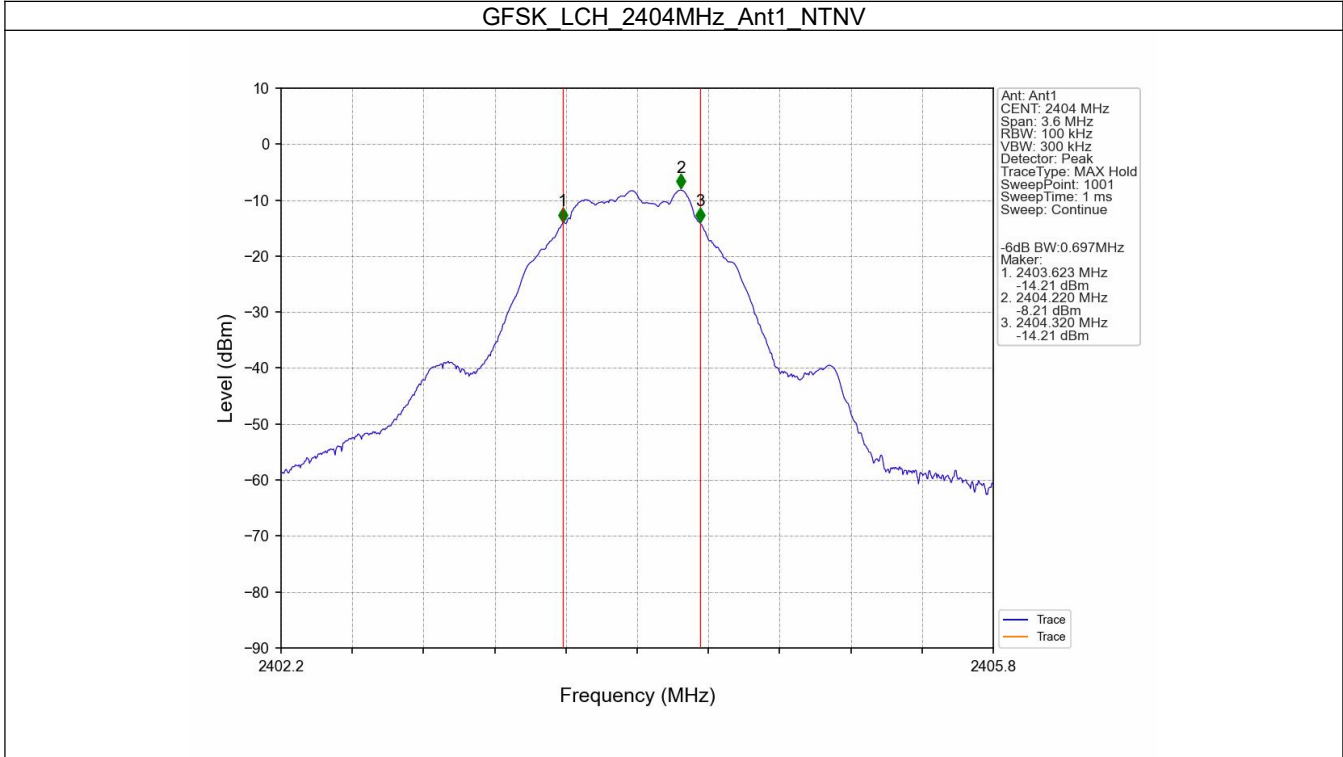
2.2.1 OBW



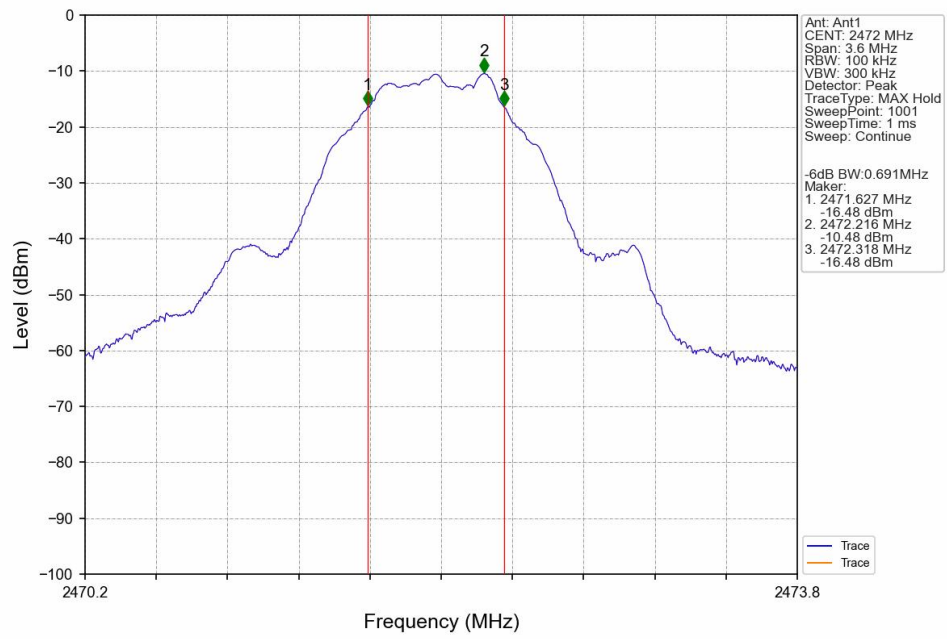
GFSK_HCH_2472MHz_Ant1_NTNV



2.2.2 6dB BW



GFSK_HCH_2472MHz_Ant1_NTNV



3. Maximum Conducted Output Power

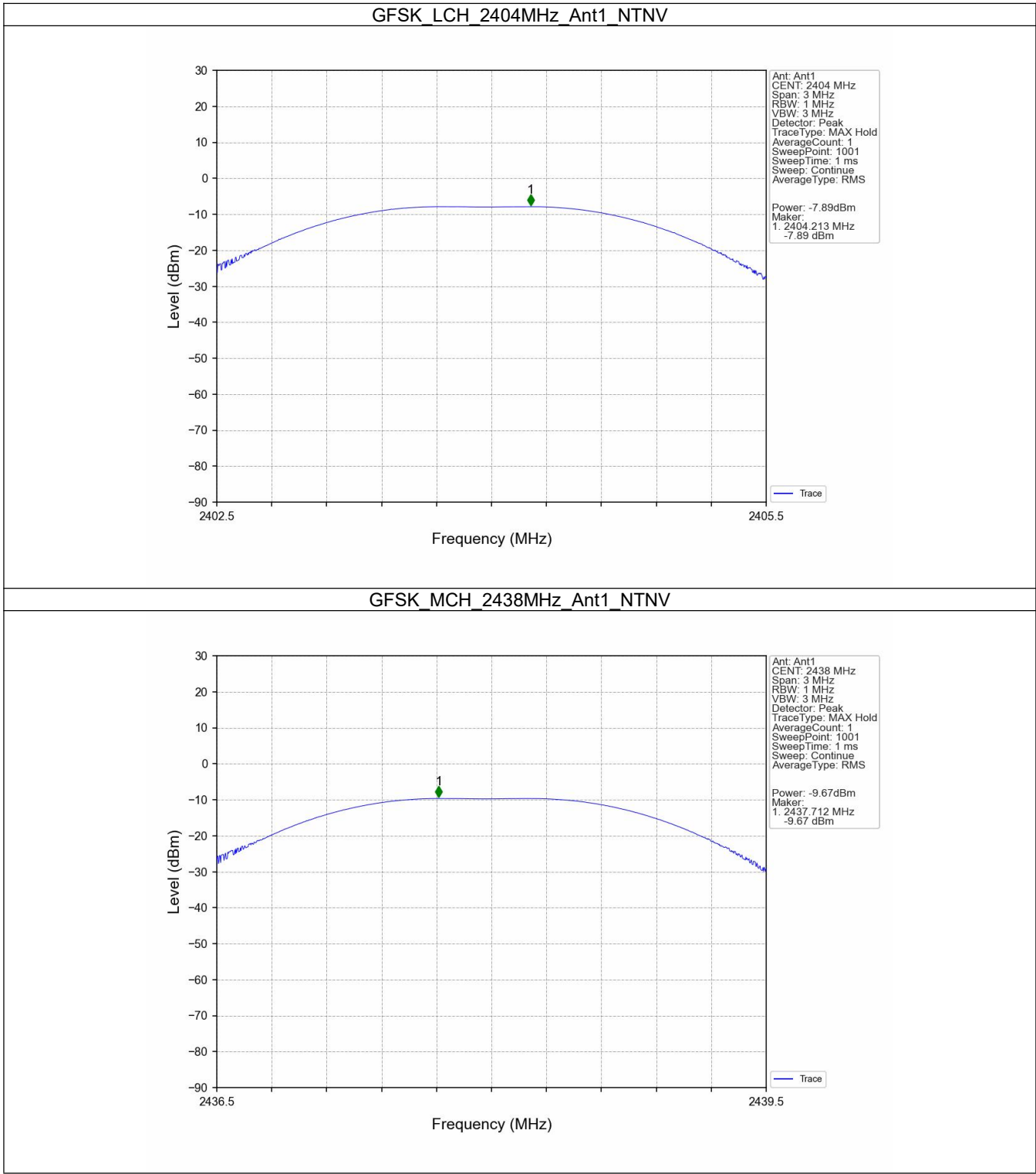
3.1 Test Result

3.1.1 Power

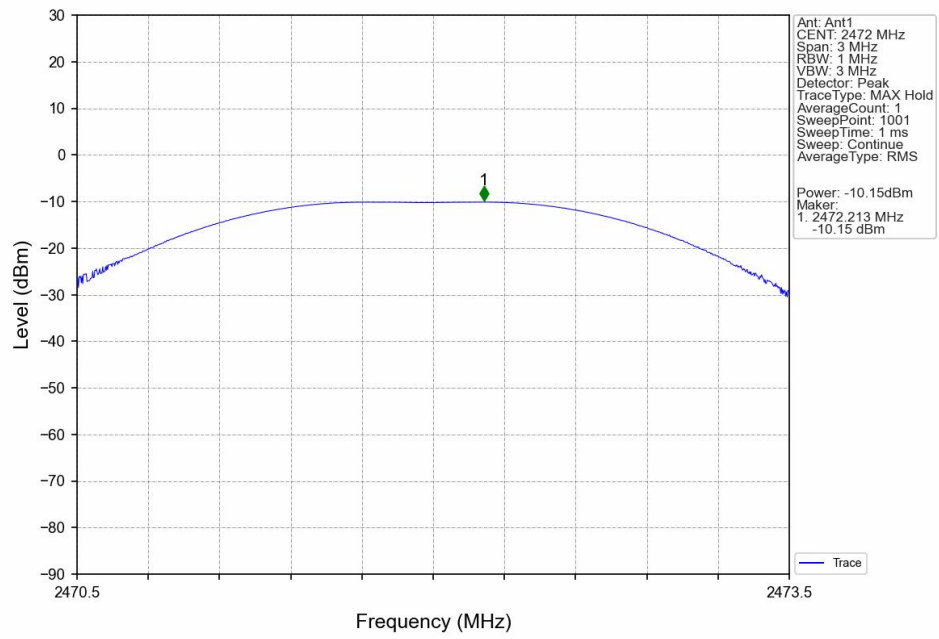
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2404	-7.89	<=30	Pass
		2438	-9.67	<=30	Pass
		2472	-10.15	<=30	Pass
Note1: Antenna Gain: Ant1: 1.76dBi;					

3.2 Test Graph

3.2.1 Power



GFSK_HCH_2472MHz_Ant1_NTNV



4. Maximum Power Spectral Density

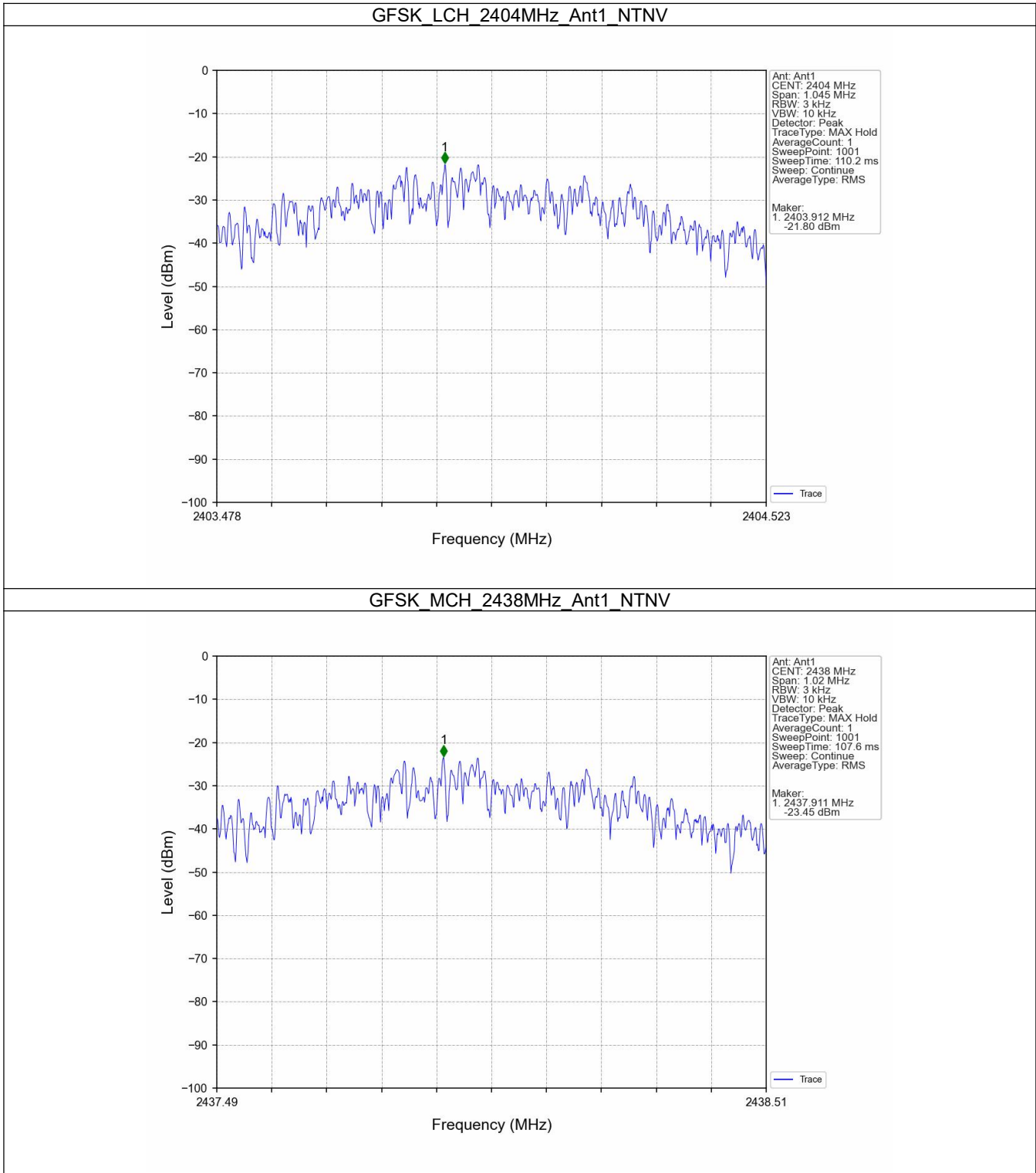
4.1 Test Result

4.1.1 PSD

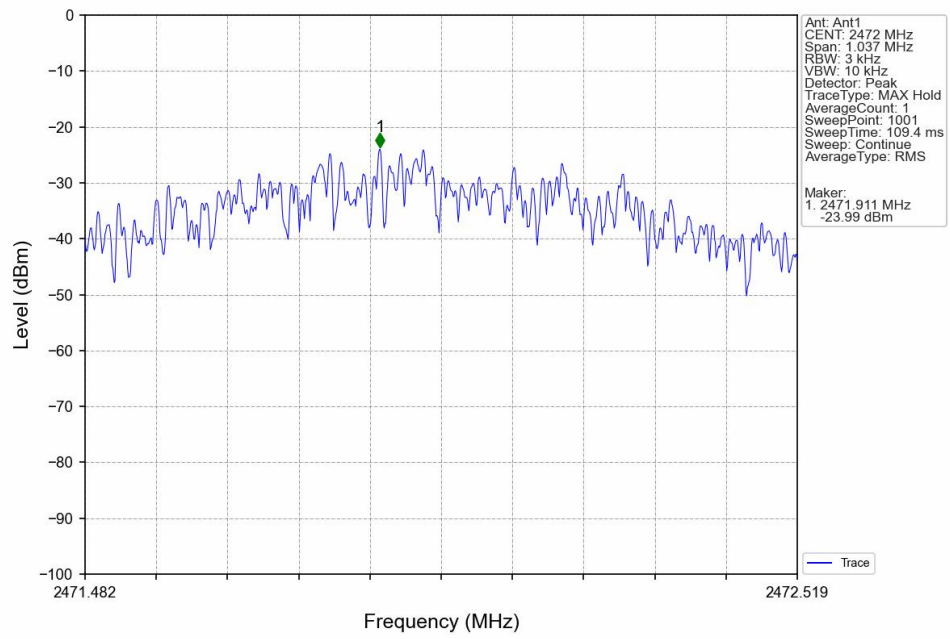
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK	SISO	2404	-21.80	<=8	Pass
		2438	-23.45	<=8	Pass
		2472	-23.99	<=8	Pass
Note1: Antenna Gain: Ant1: 1.76dBi;					

4.2 Test Graph

4.2.1 PSD



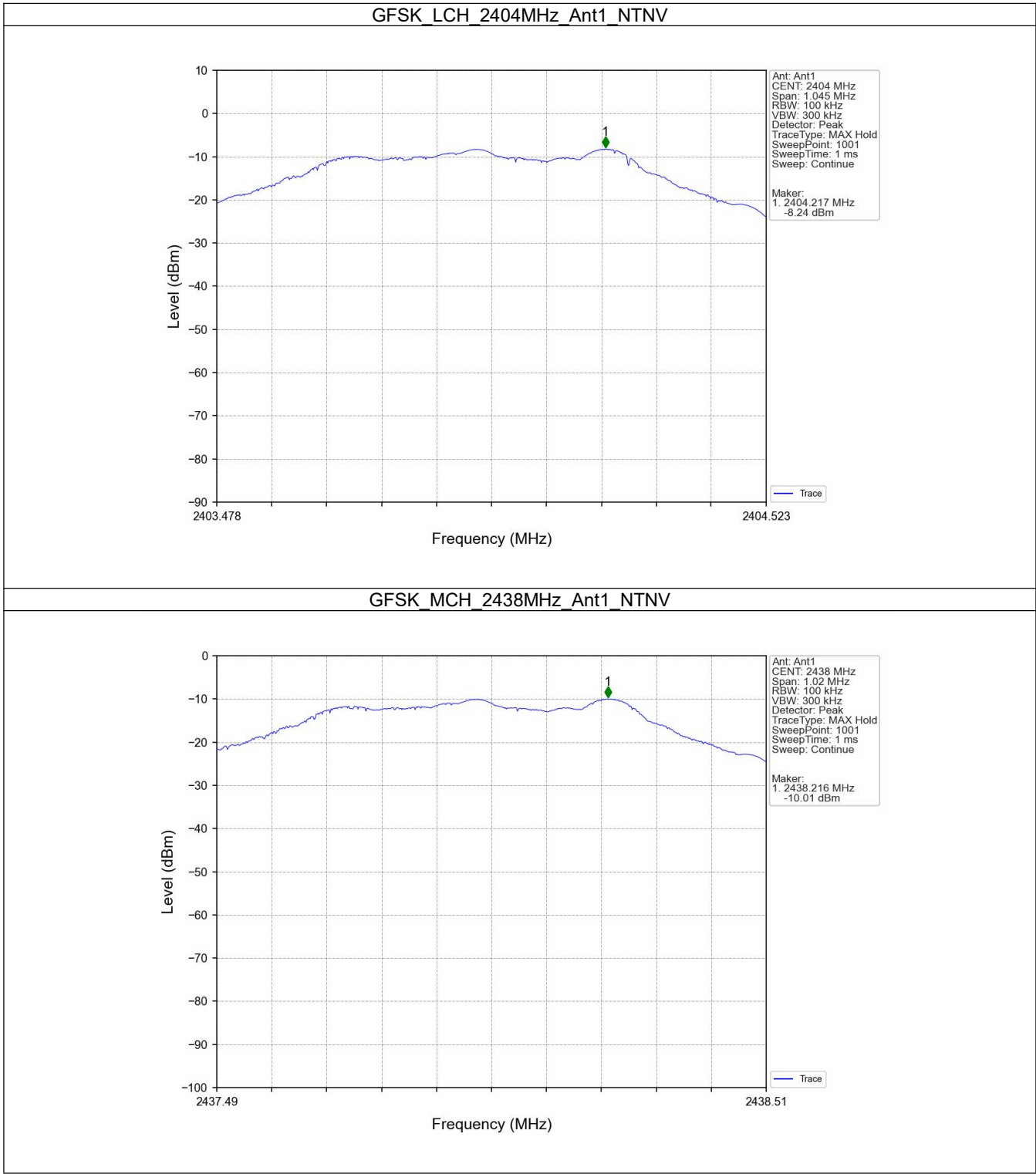
GFSK_HCH_2472MHz_Ant1_NTNV



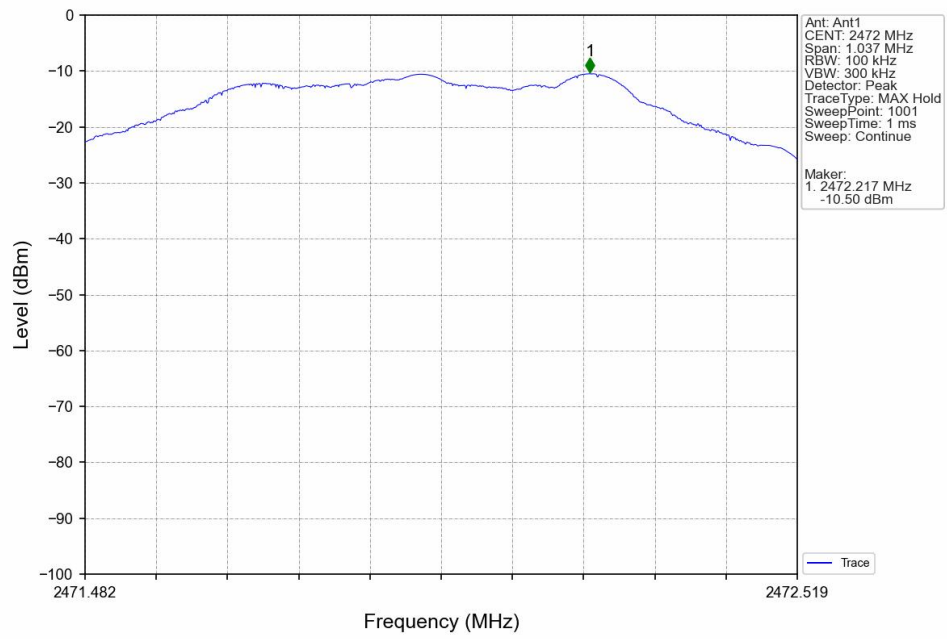
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2404	1	-8.24	-28.24	Pass
		2438	1	-10.01	-30.01	Pass
		2472	1	-10.50	-30.50	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

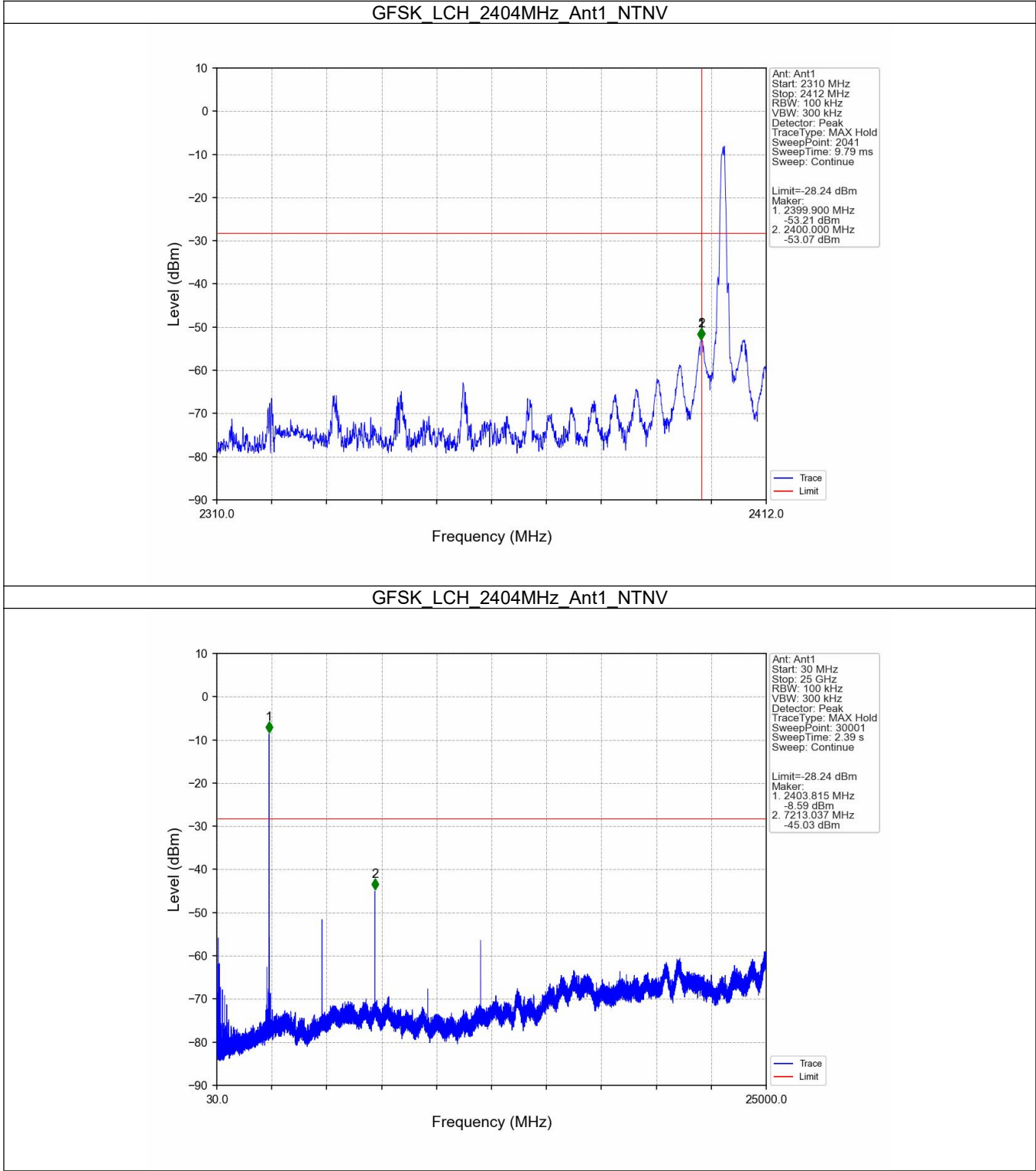
5.2.1 Ref



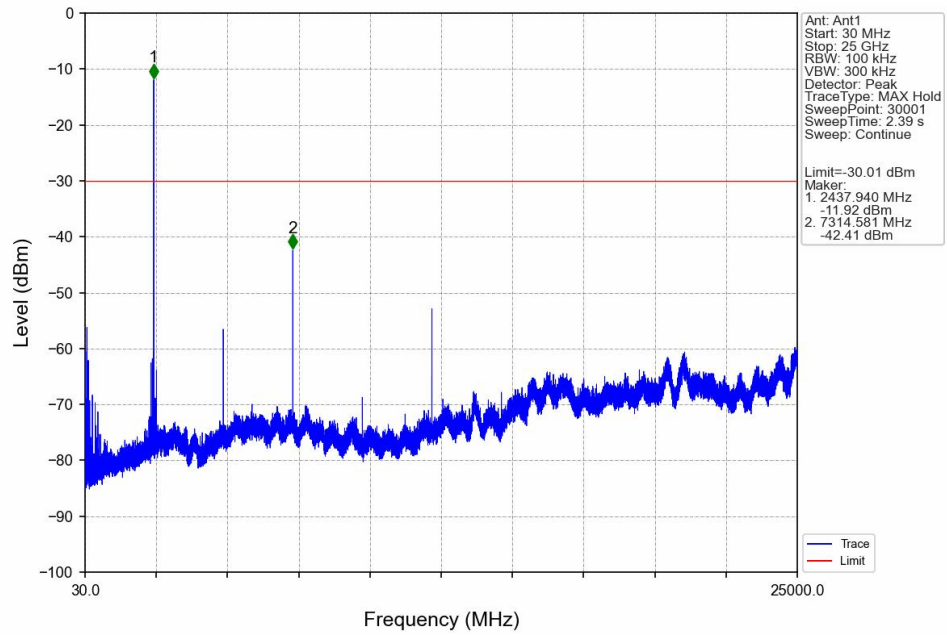
GFSK_HCH_2472MHz_Ant1_NTNV



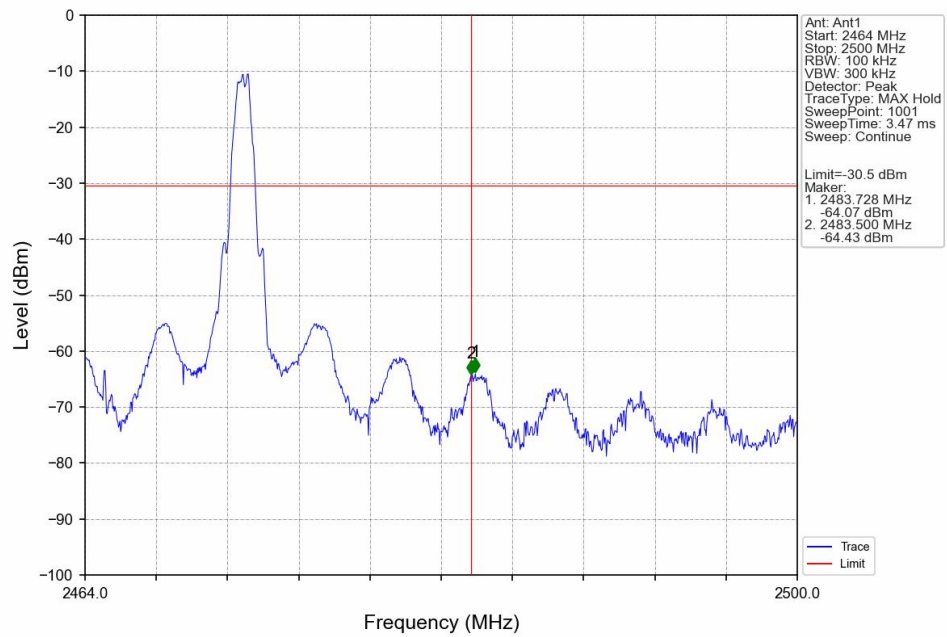
5.2.2 CSE



GFSK_MCH_2438MHz_Ant1_NTNV



GFSK_HCH_2472MHz_Ant1_NTNV



GFSK_HCH_2472MHz_Ant1_NTNV

