

RF Test Report

For

Project No.:	DLE-250523014R
Client:	Acer Gadget Inc
Manufacturer:	Acer Gadget Inc
Product Description:	Dongle
Model Number:	NMR530 RX
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

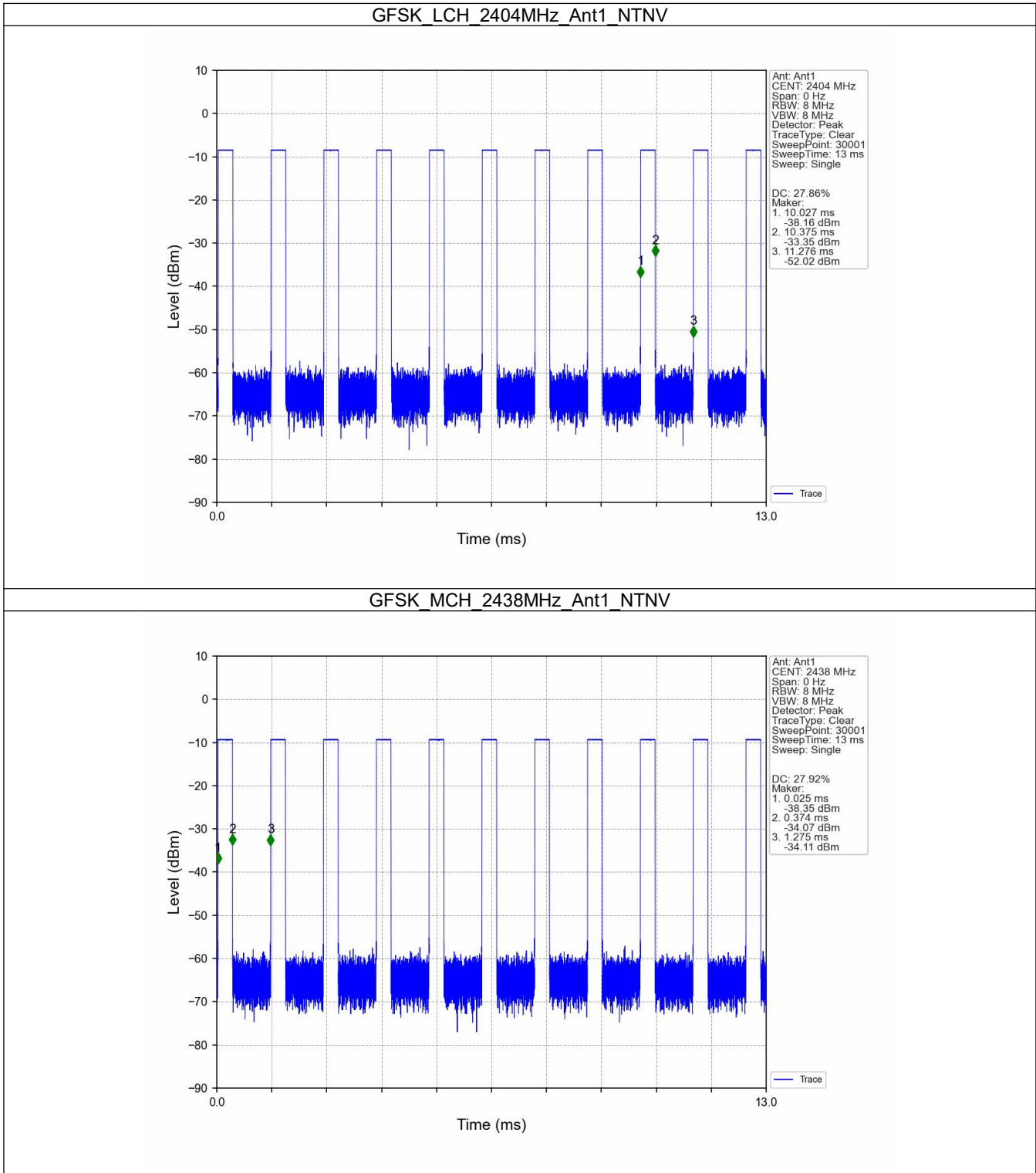
1.1 Test Result

1.1.1 Ant1

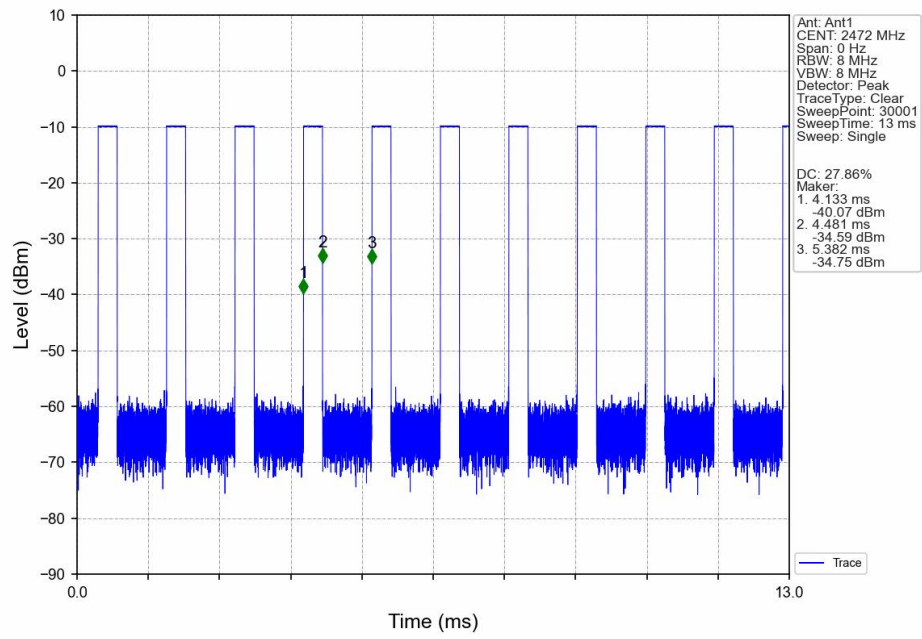
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2404	0.348	1.249	27.86	5.55	0.03
		2438	0.349	1.250	27.92	5.54	0.03
		2472	0.348	1.249	27.86	5.55	0.03

1.2 Test Graph

1.2.1 Ant1



GFSK_HCH_2472MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

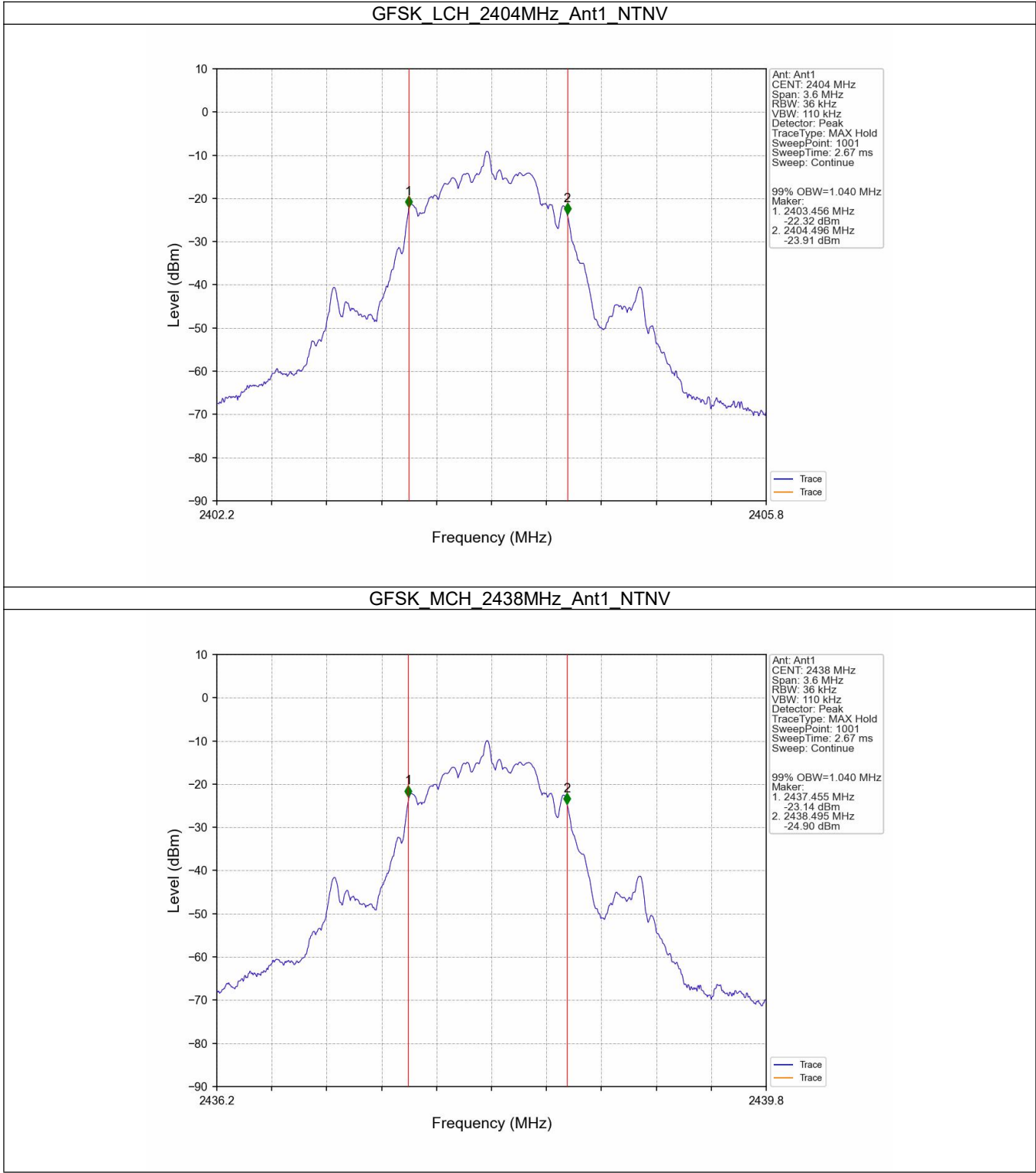
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2404	1	1.040	/	Pass
		2438	1	1.040	/	Pass
		2472	1	1.044	/	Pass

2.1.2 6dB BW

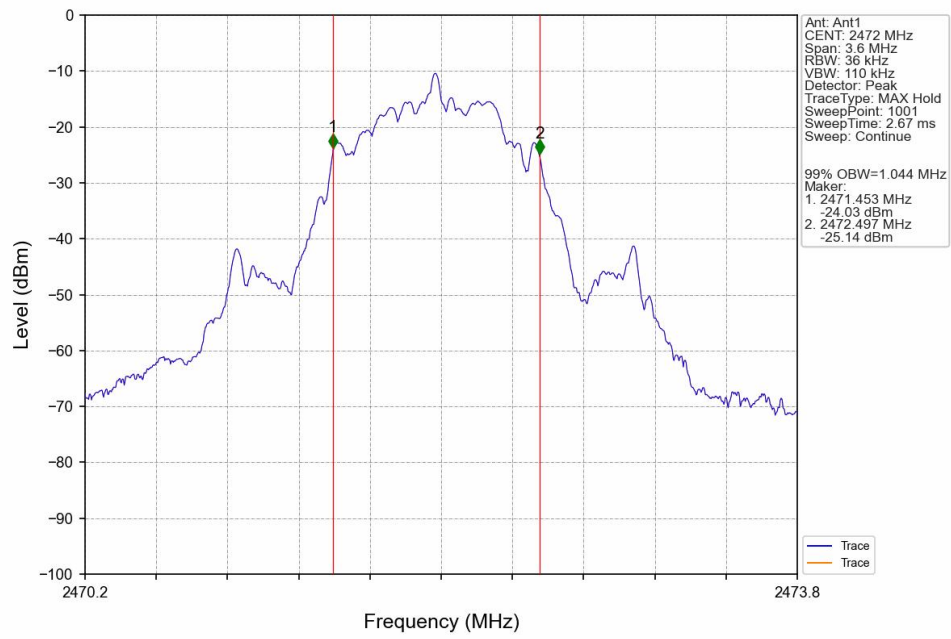
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2404	1	0.694	≥ 0.5	Pass
		2438	1	0.678	≥ 0.5	Pass
		2472	1	0.680	≥ 0.5	Pass

2.2 Test Graph

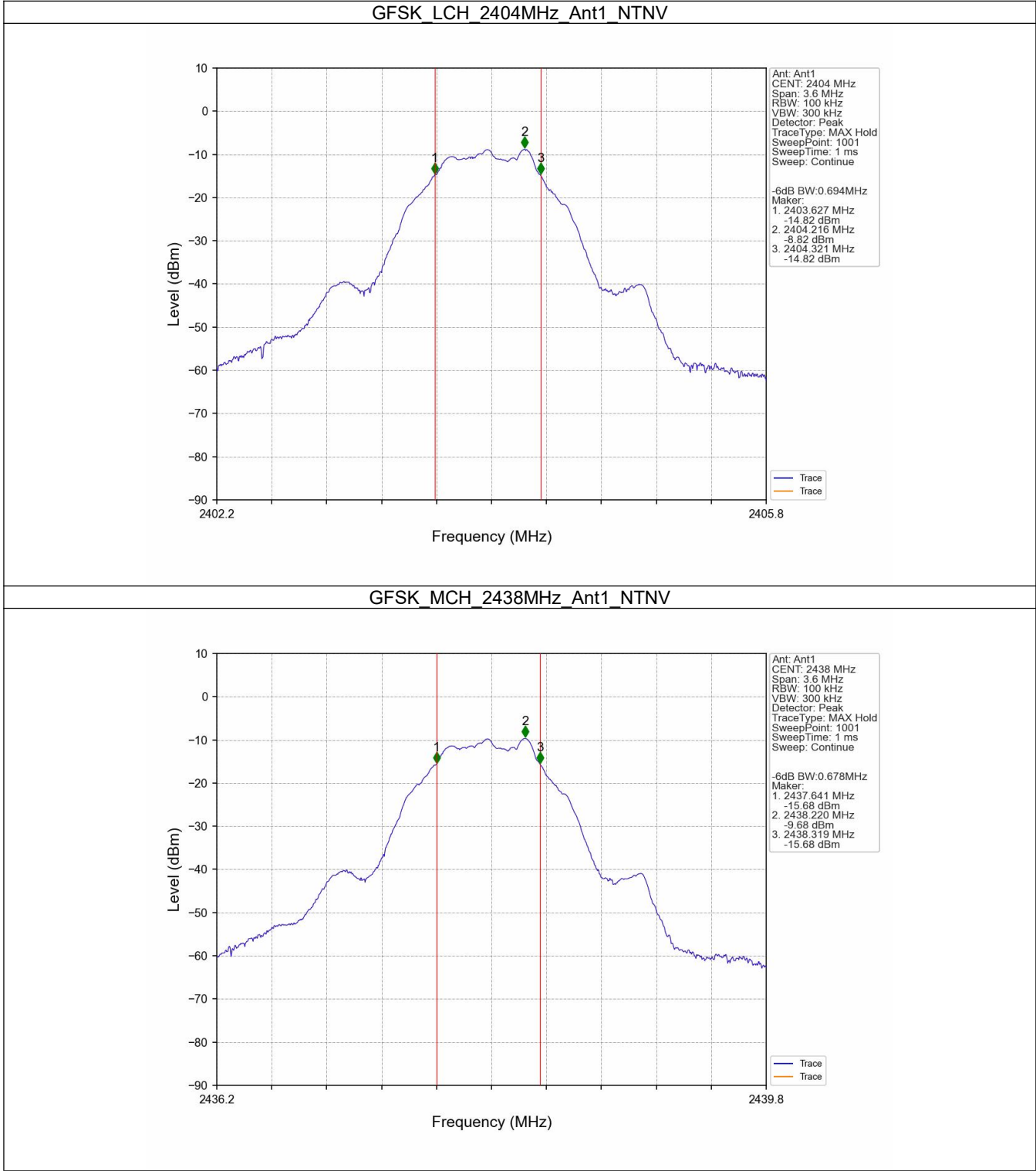
2.2.1 OBW



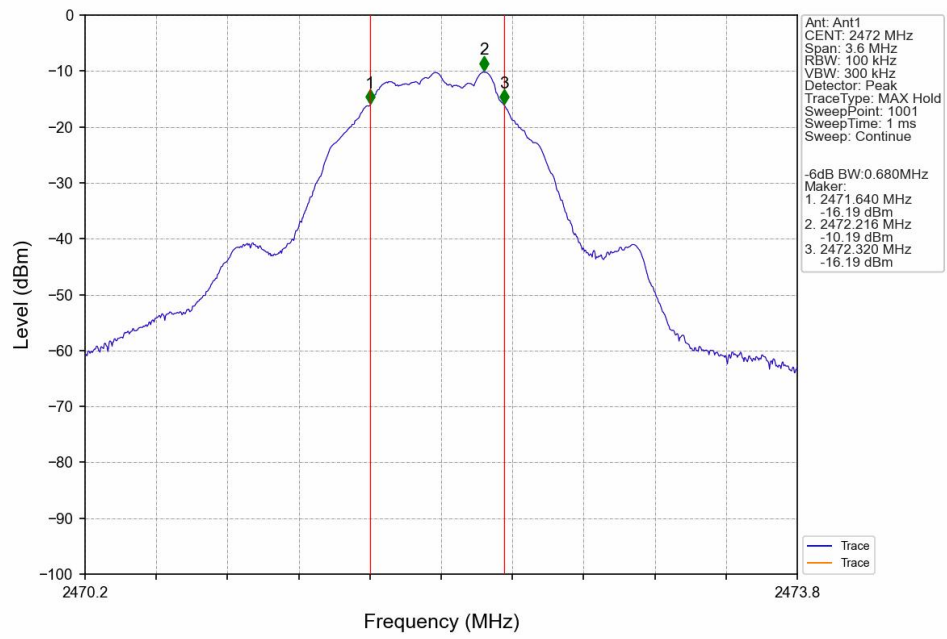
GFSK_HCH_2472MHz_Ant1_NTNV



2.2.2 6dB BW



GFSK_HCH_2472MHz_Ant1_NTNV



3. Maximum Conducted Output Power

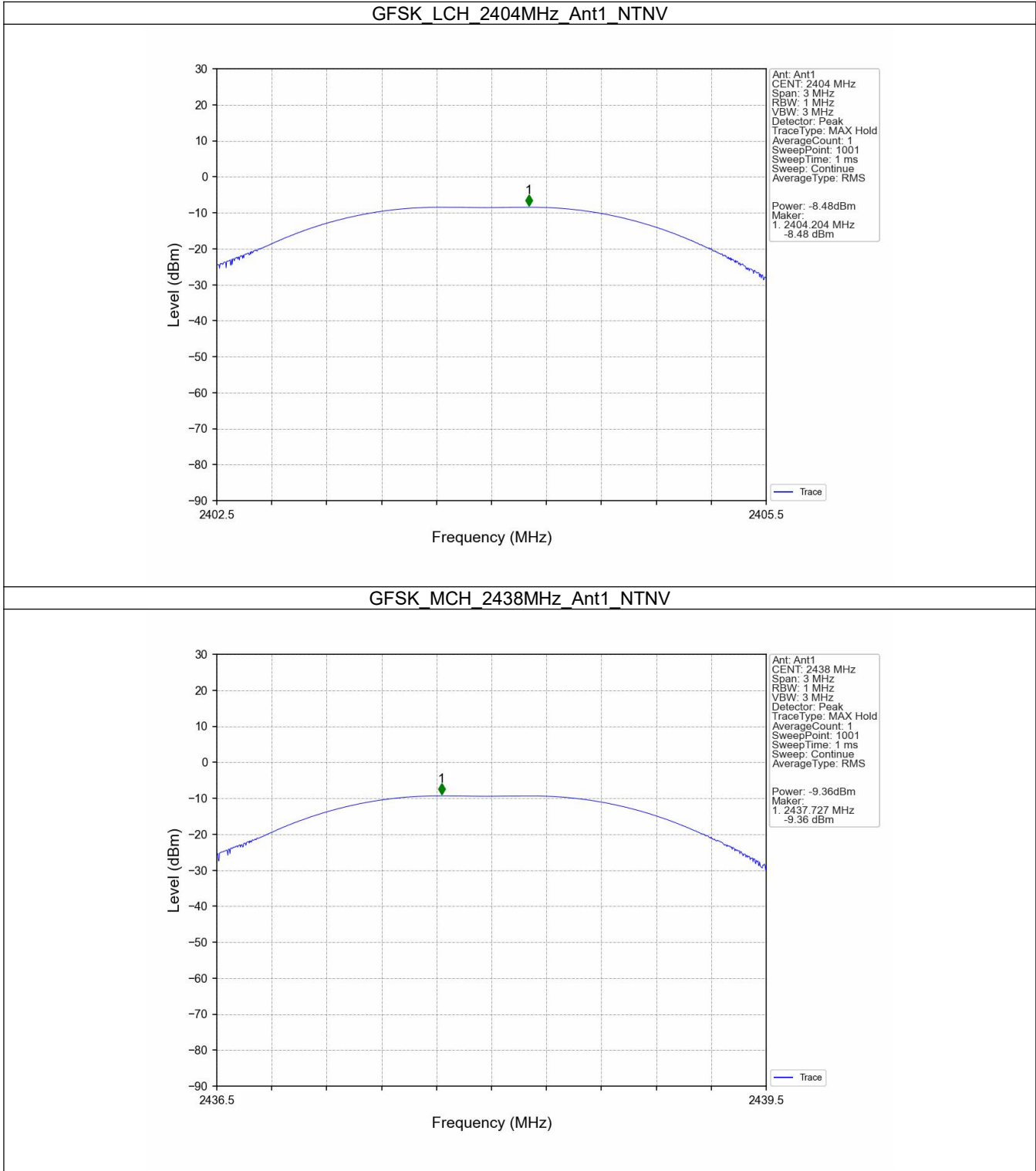
3.1 Test Result

3.1.1 Power

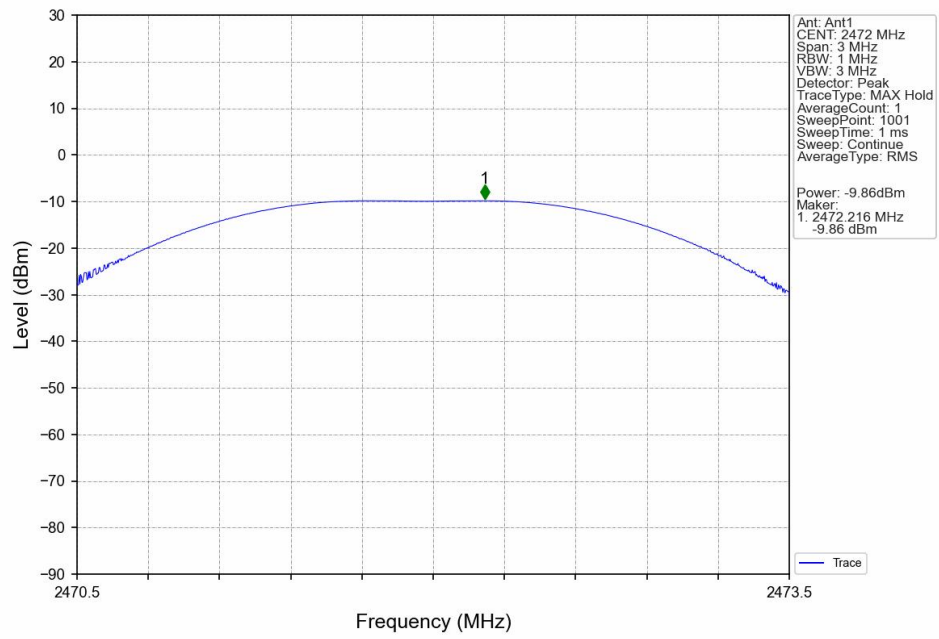
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2404	-8.48	<=30	Pass
		2438	-9.36	<=30	Pass
		2472	-9.86	<=30	Pass
Note1: Antenna Gain: Ant1: 2.08dBi;					

3.2 Test Graph

3.2.1 Power



GFSK_HCH_2472MHz_Ant1_NTNV



4. Maximum Power Spectral Density

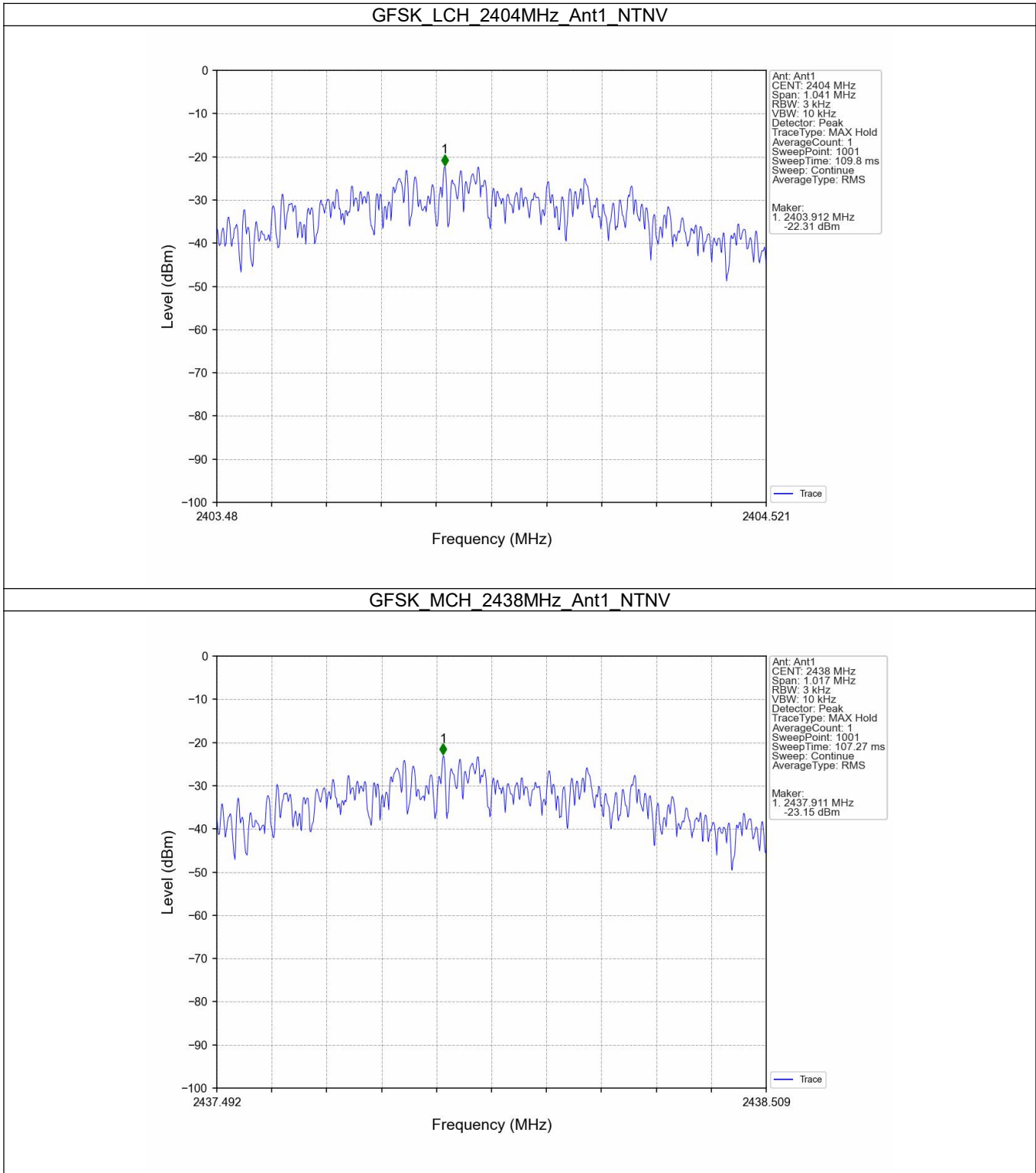
4.1 Test Result

4.1.1 PSD

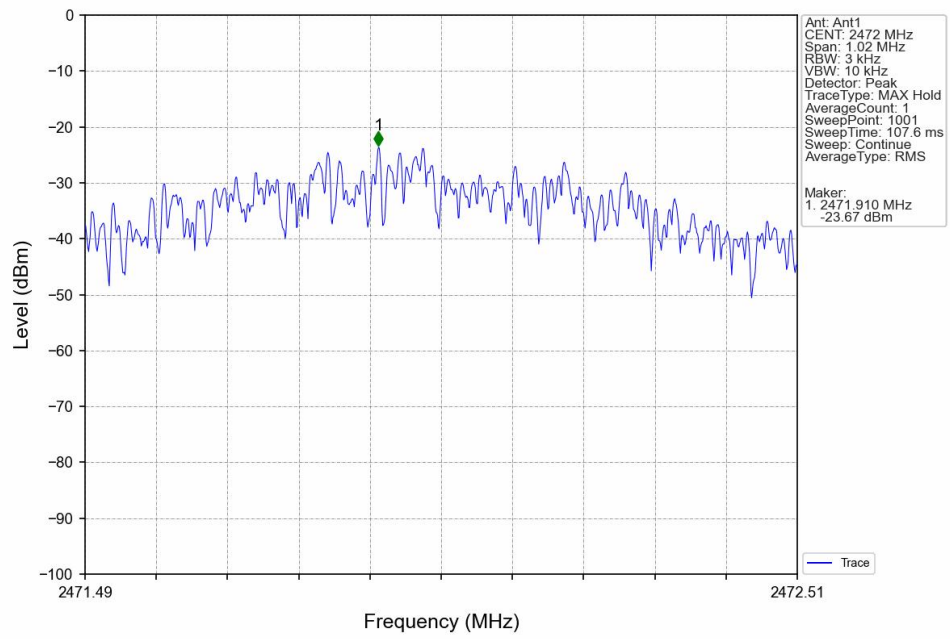
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK	SISO	2404	-22.31	<=8	Pass
		2438	-23.15	<=8	Pass
		2472	-23.67	<=8	Pass
Note1: Antenna Gain: Ant1: 2.08dBi;					

4.2 Test Graph

4.2.1 PSD



GFSK_HCH_2472MHz_Ant1_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

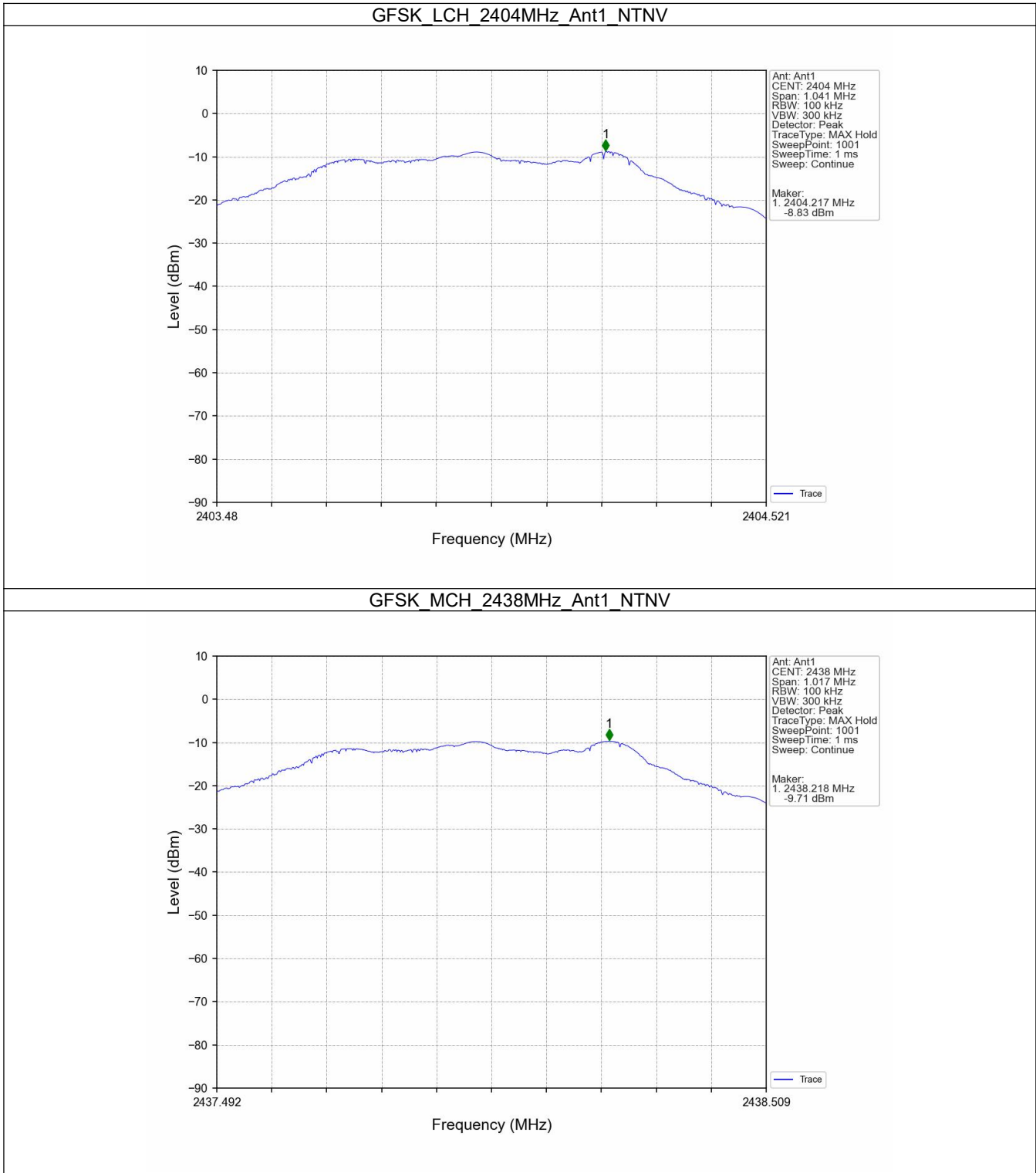
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK	SISO	2404	1	-8.83
		2438	1	-9.71
		2472	1	-10.20
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

5.1.2 CSE

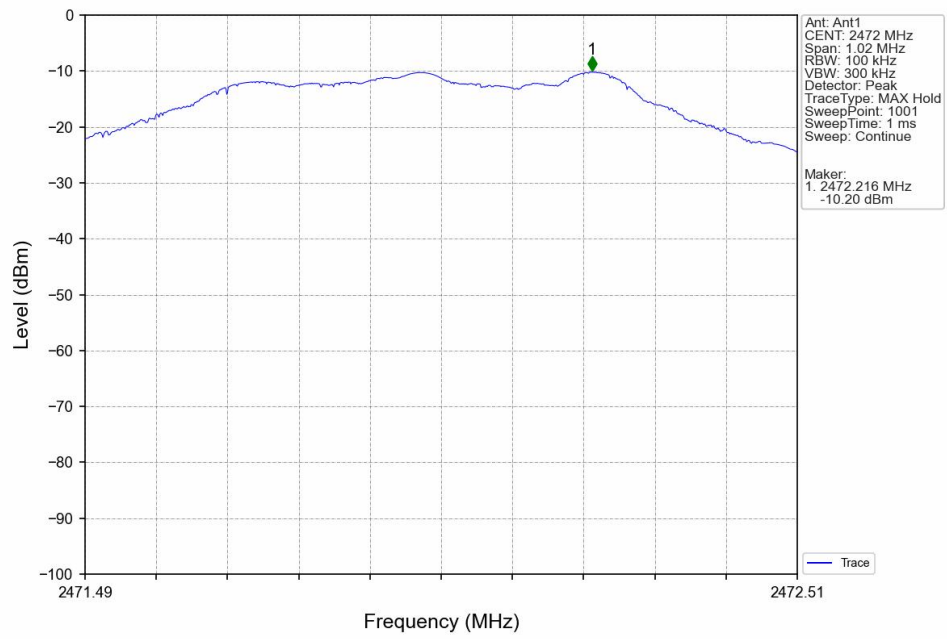
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2404	1	-8.83	-28.83	Pass
		2438	1	-9.71	-29.71	Pass
		2472	1	-10.20	-30.20	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

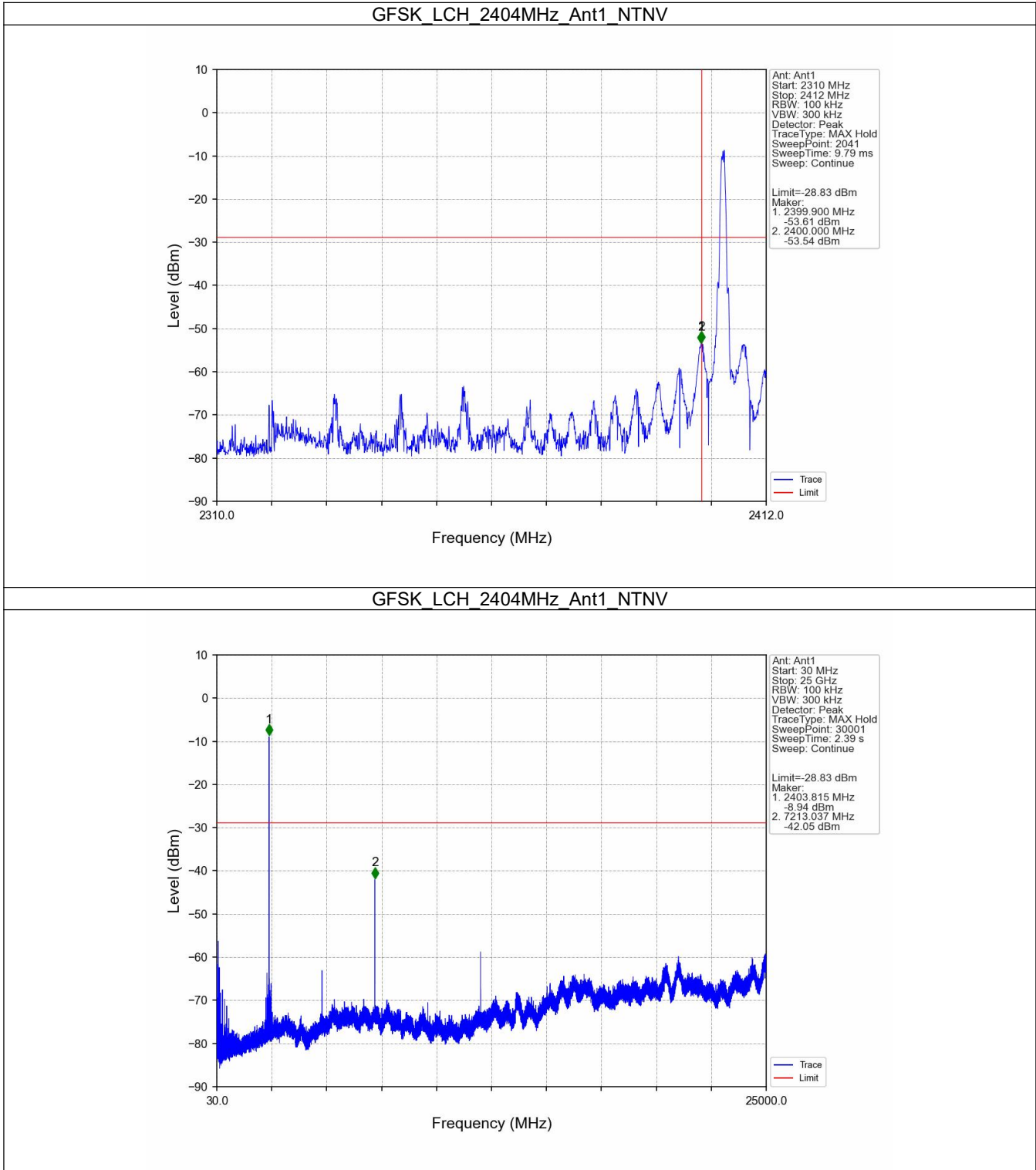
5.2.1 Ref



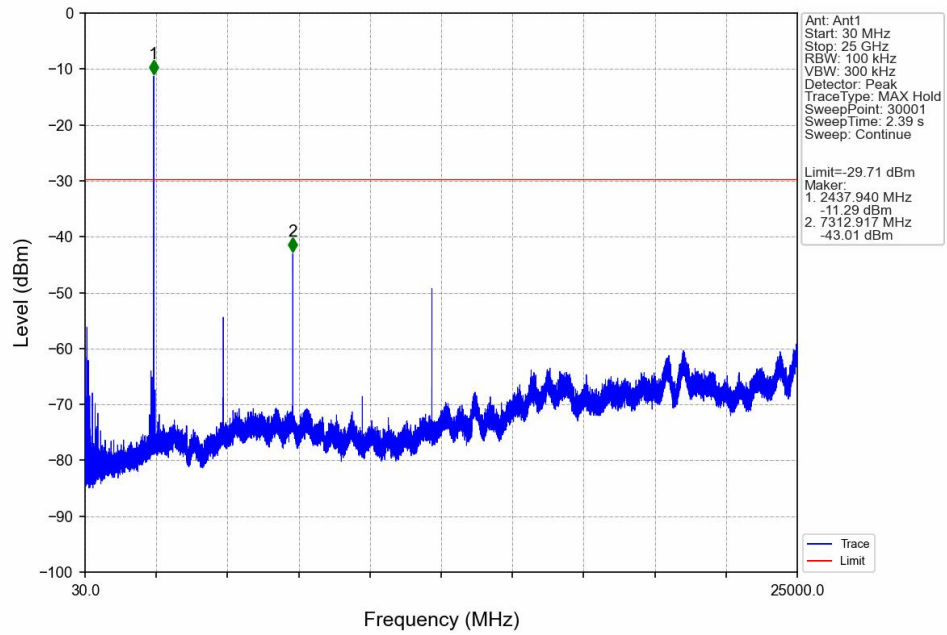
GFSK_HCH_2472MHz_Ant1_NTNV



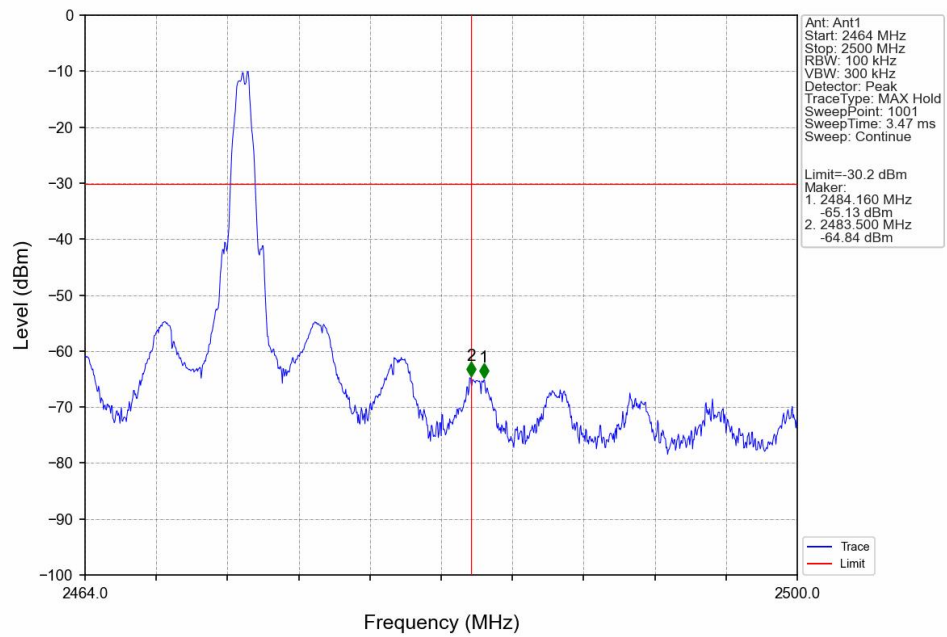
5.2.2 CSE



GFSK_MCH_2438MHz_Ant1_NTNV



GFSK_HCH_2472MHz_Ant1_NTNV



GFSK_HCH_2472MHz_Ant1_NTNV

