

Appendix for 15.247

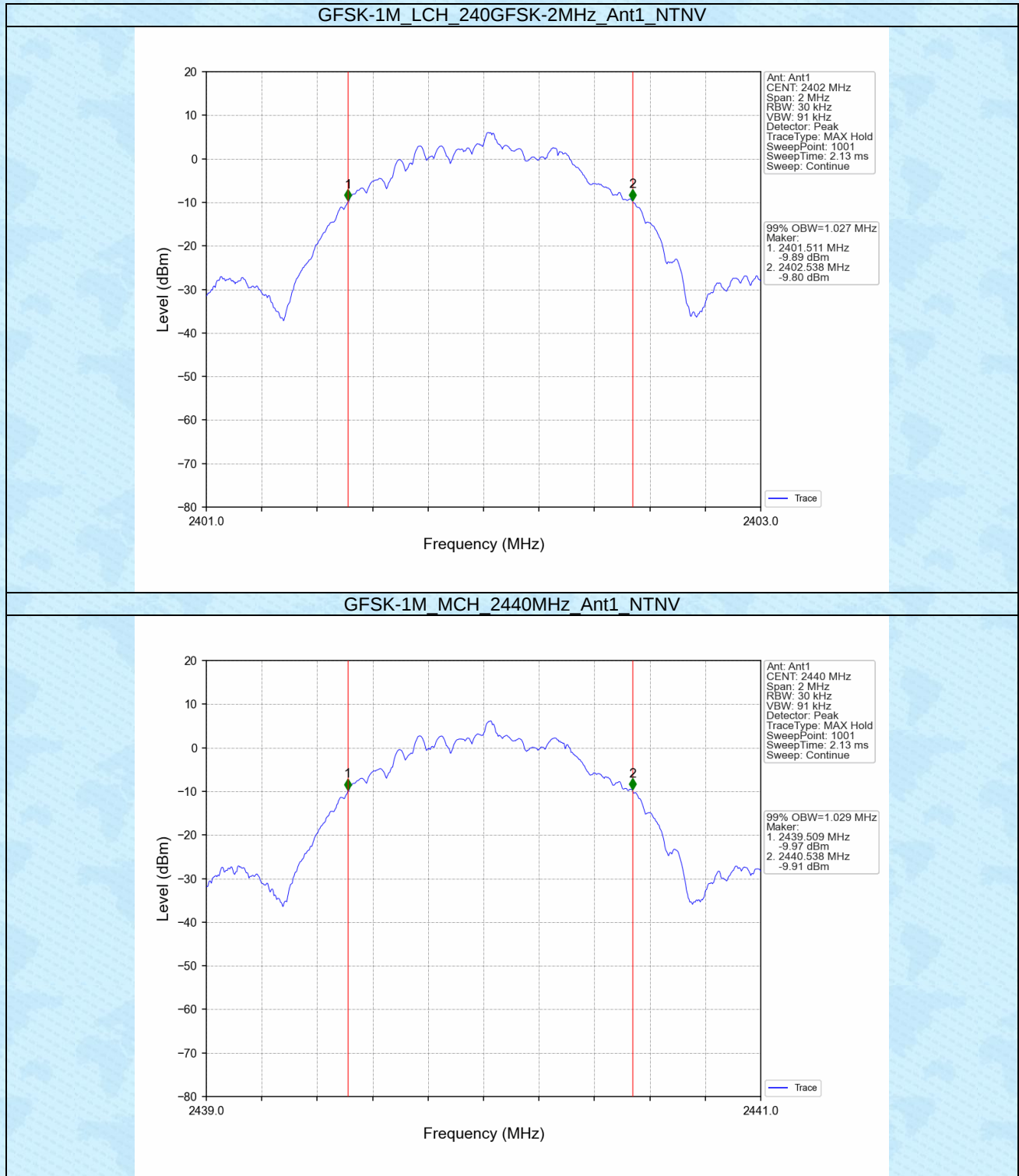
1. Bandwidth

1.1 OBW

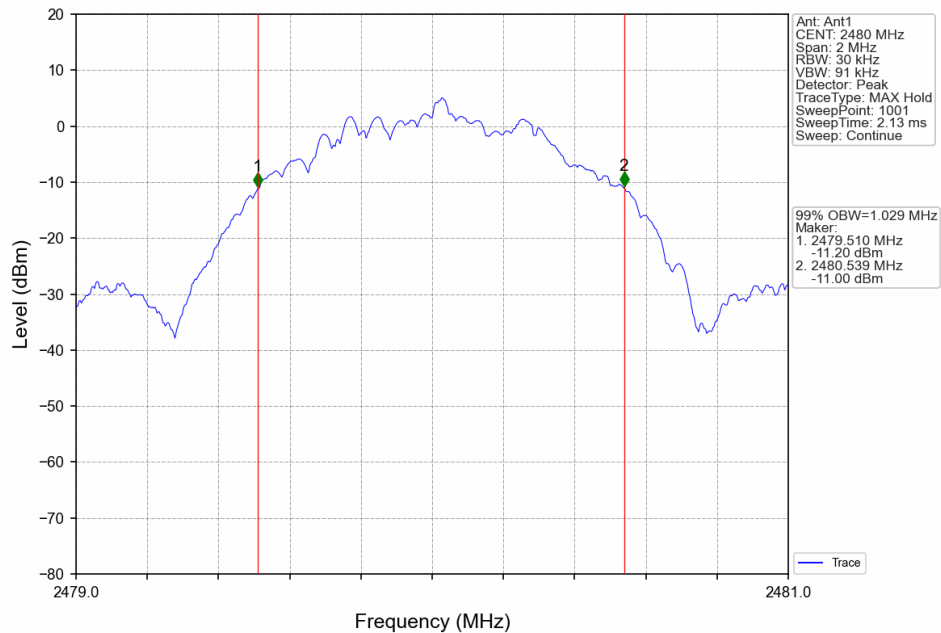
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
GFSK-1M	SISO	2402	1	1.027	Pass
		2440	1	1.029	Pass
		2480	1	1.029	Pass
GFSK-2M	SISO	2402	1	2.040	Pass
		2440	1	2.047	Pass
		2480	1	2.044	Pass

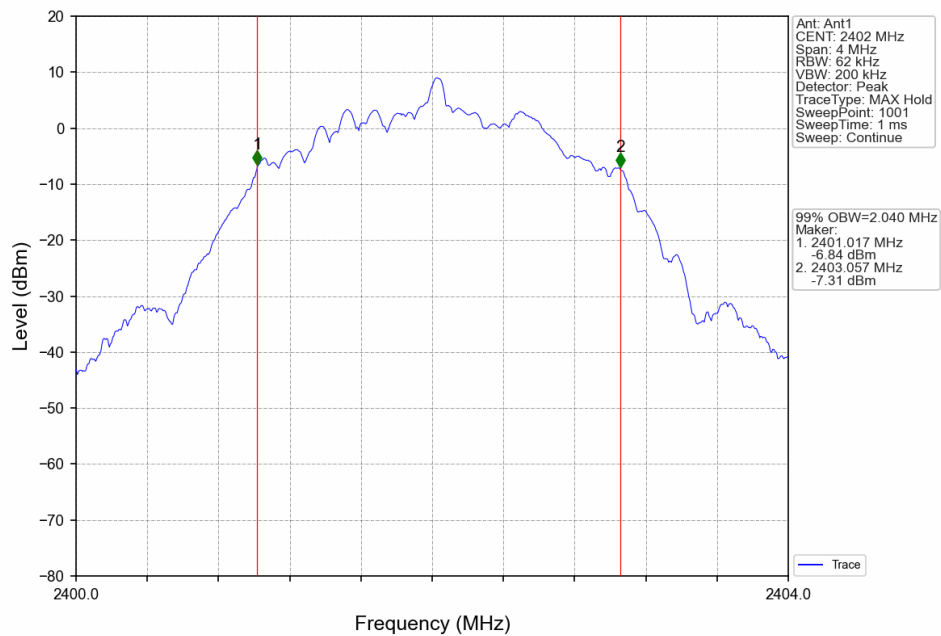
1.1.2 Test Graph



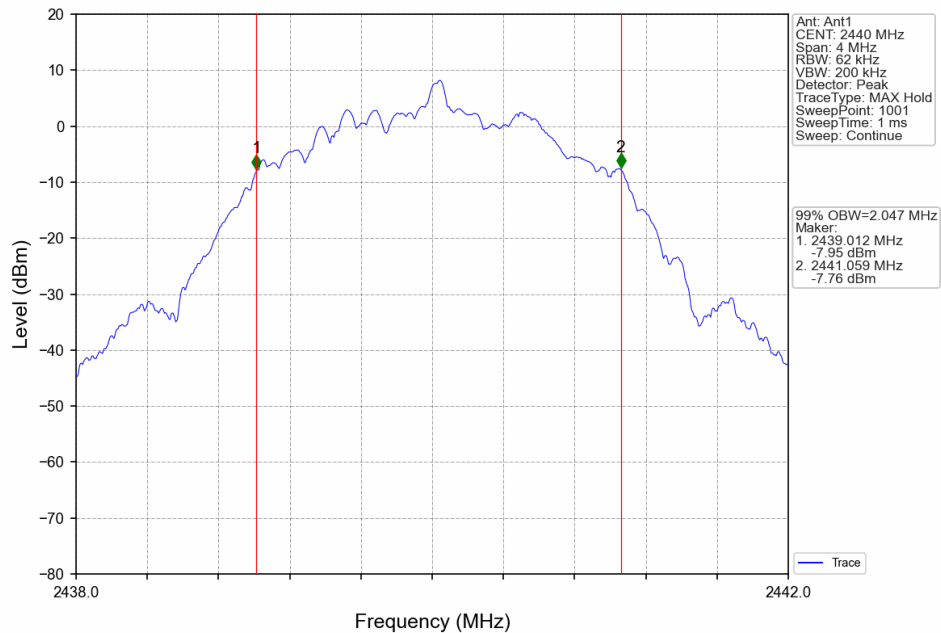
GFSK-1M_HCH_2480MHz_Ant1_NTNV



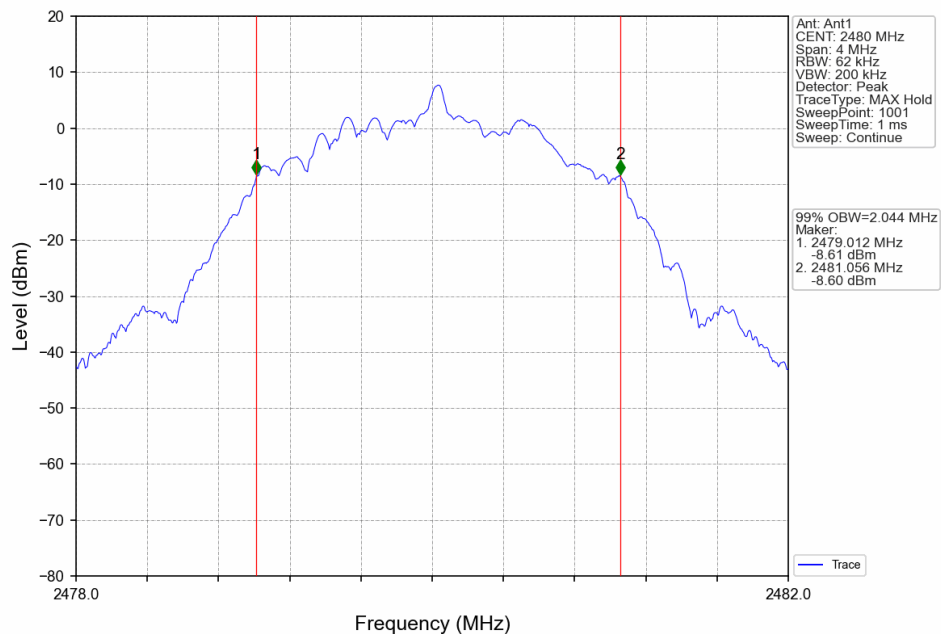
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV

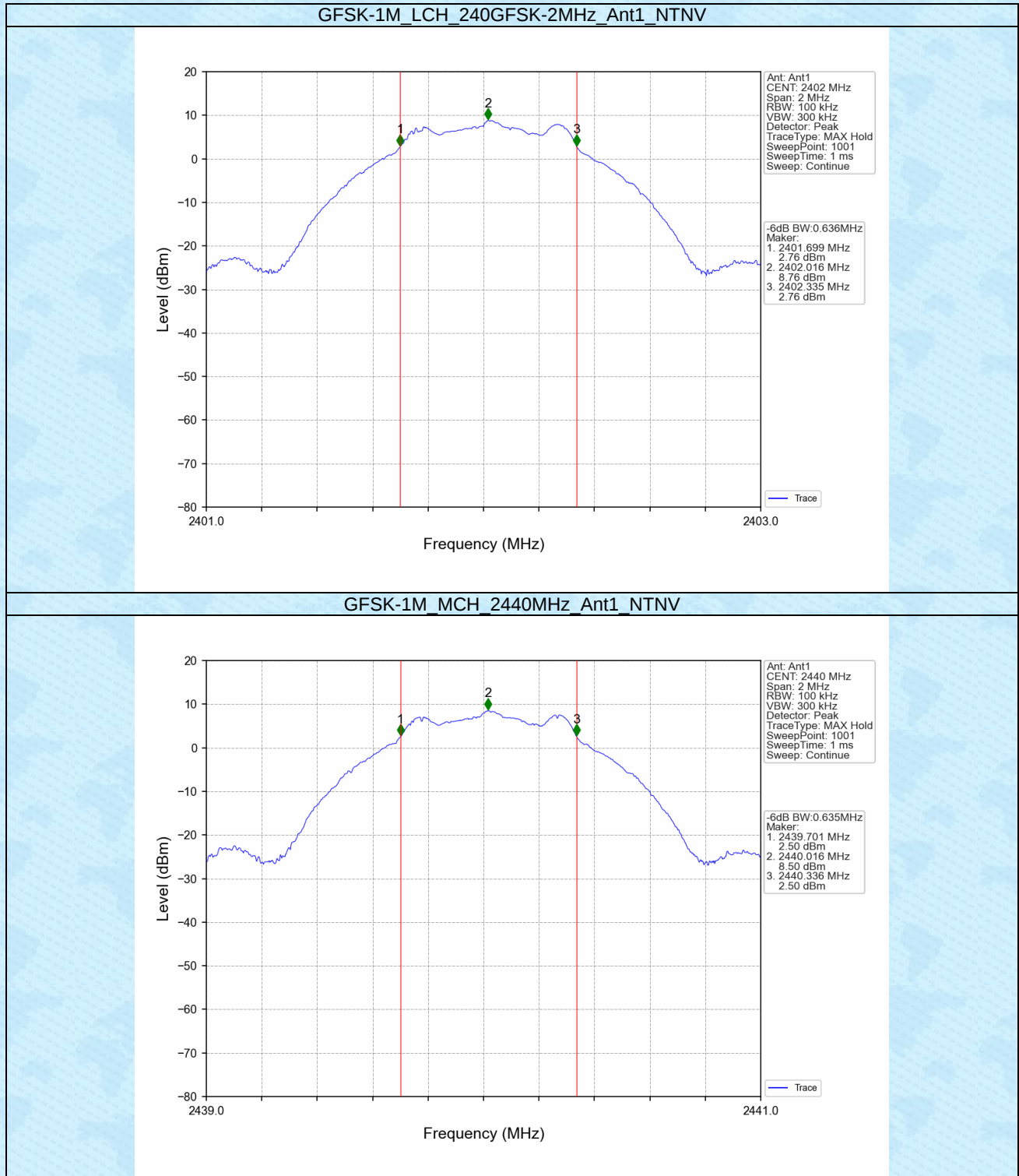


1.2 6dB BW

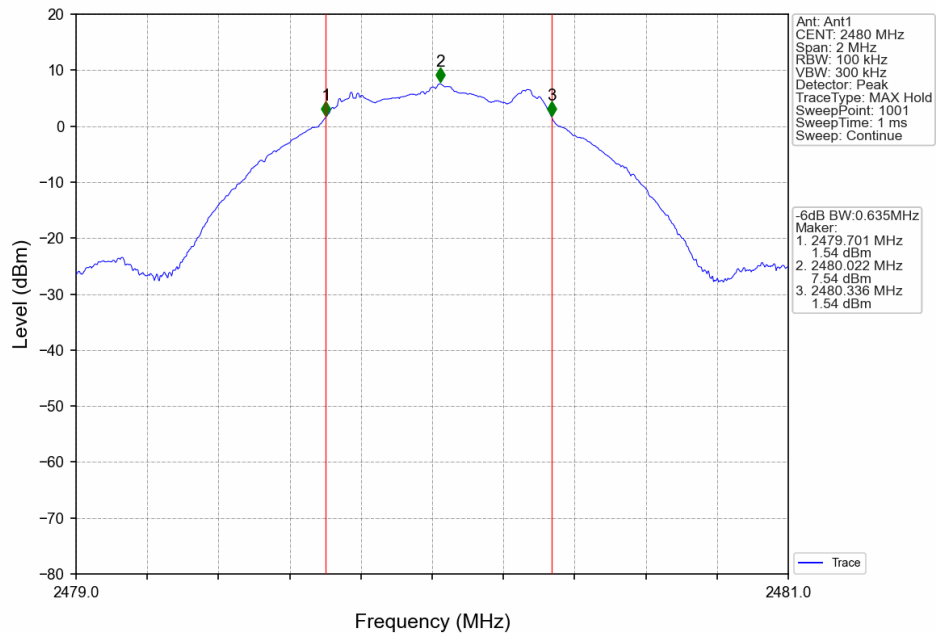
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK-1M	SISO	2402	1	0.636	≥ 0.5	Pass
		2440	1	0.635	≥ 0.5	Pass
		2480	1	0.635	≥ 0.5	Pass
GFSK-2M	SISO	2402	1	1.116	≥ 0.5	Pass
		2440	1	1.104	≥ 0.5	Pass
		2480	1	1.111	≥ 0.5	Pass

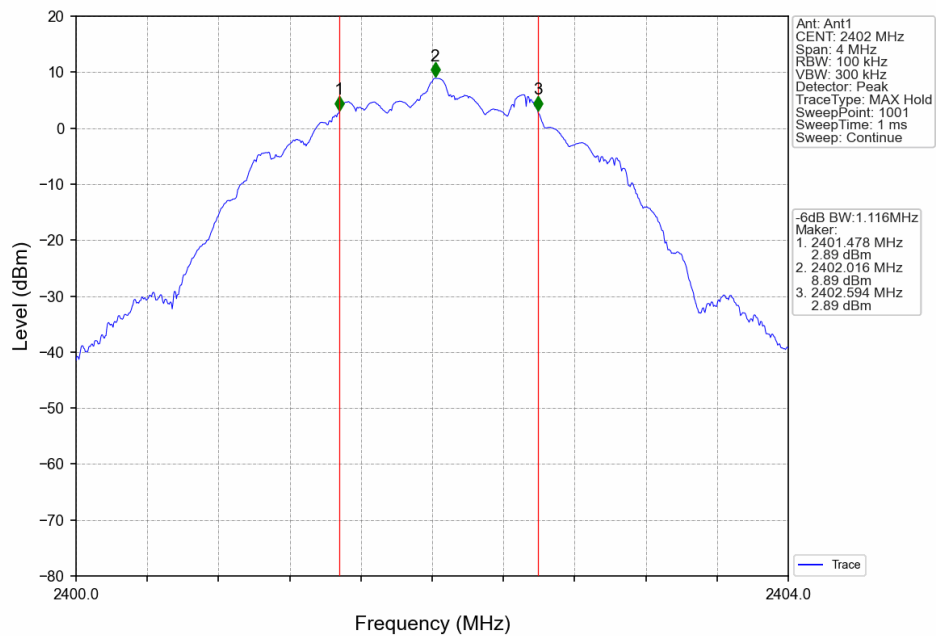
1.2.2 Test Graph



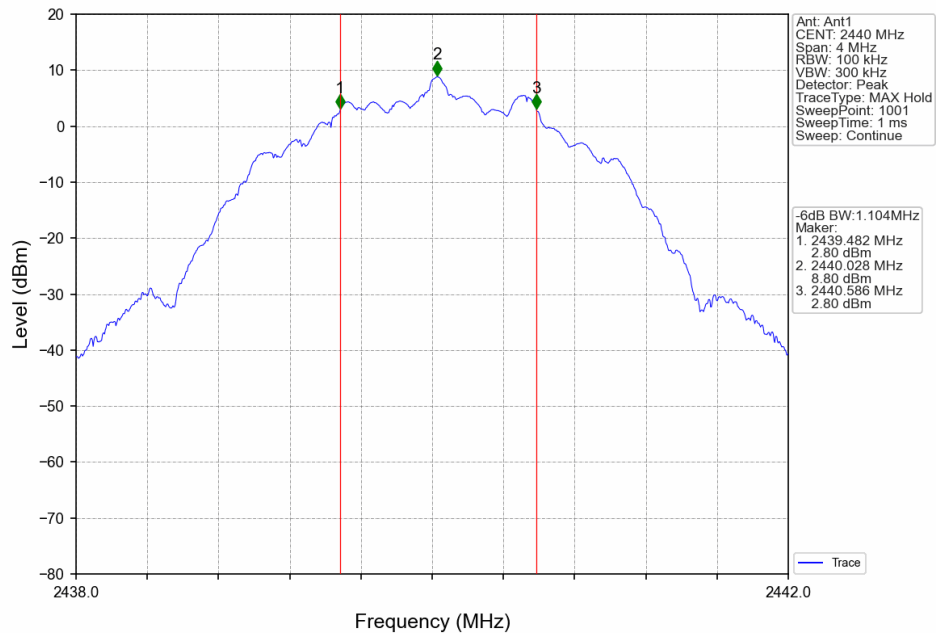
GFSK-1M_HCH_2480MHz_Ant1_NTNV



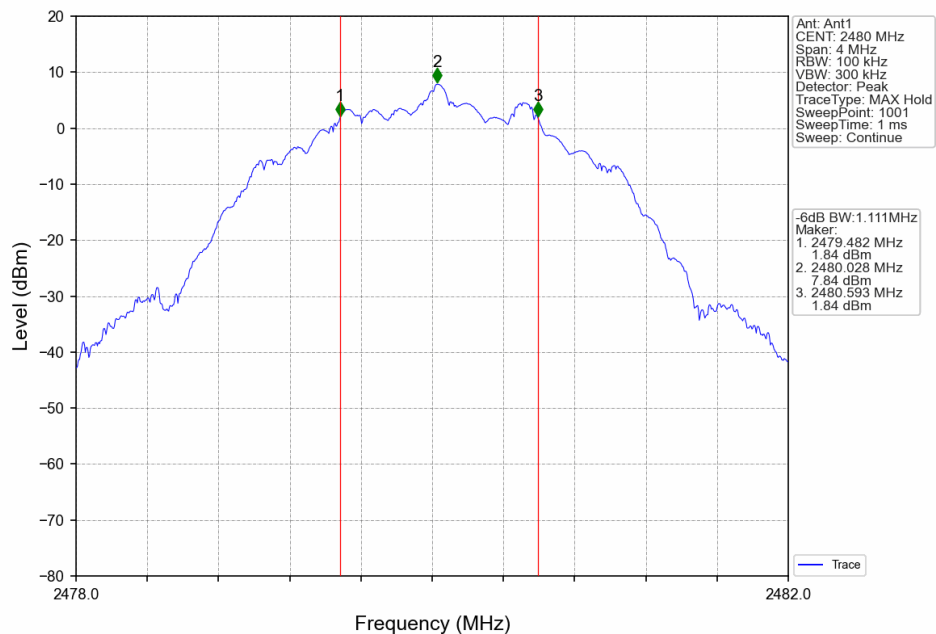
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV

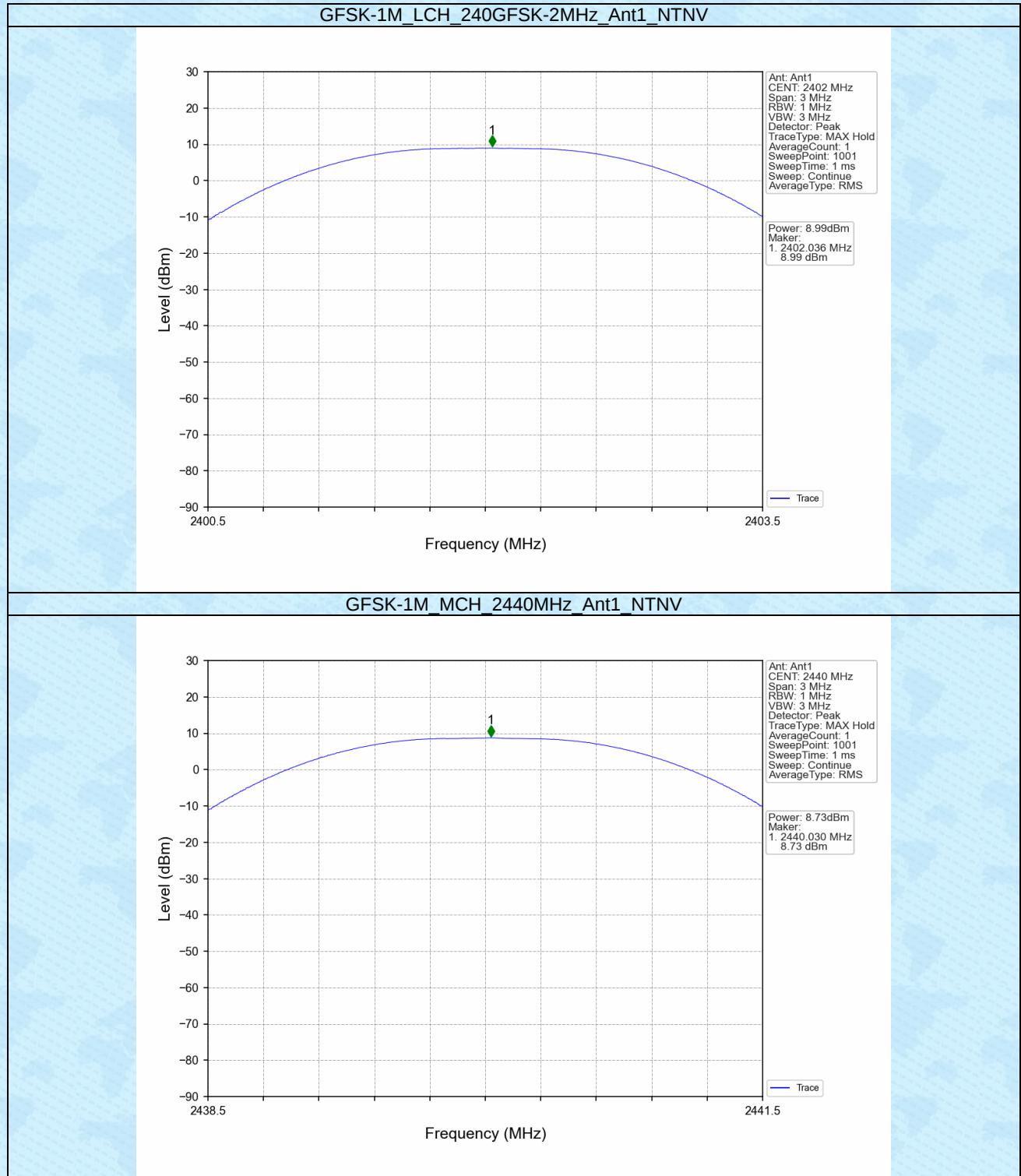


2. Maximum Conducted Output Power

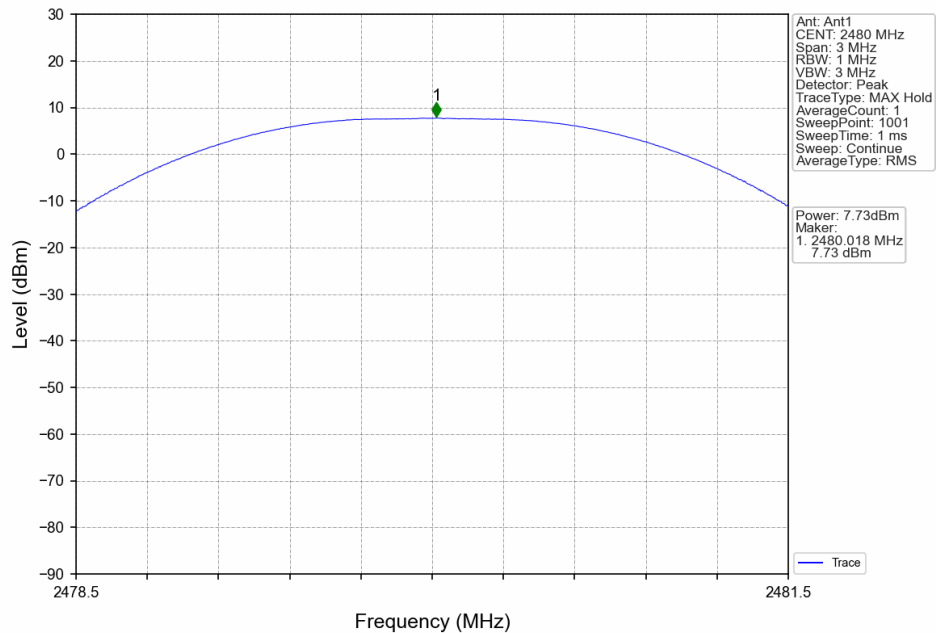
2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	8.99	<=30	Pass
		2440	8.73	<=30	Pass
		2480	7.73	<=30	Pass
GFSK-2M	SISO	2402	9.42	<=30	Pass
		2440	9.09	<=30	Pass
		2480	8.12	<=30	Pass

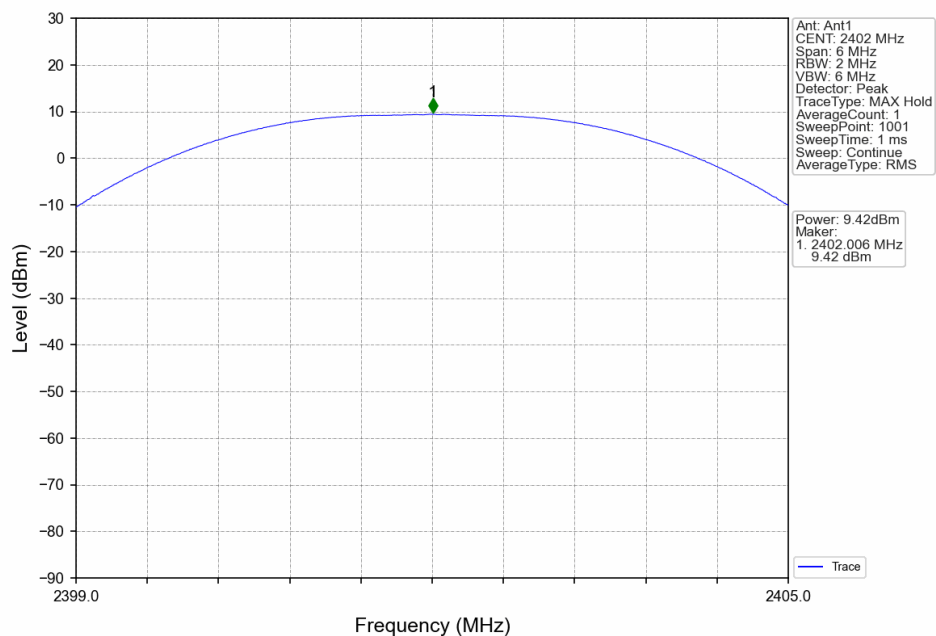
2.2 Test Graph



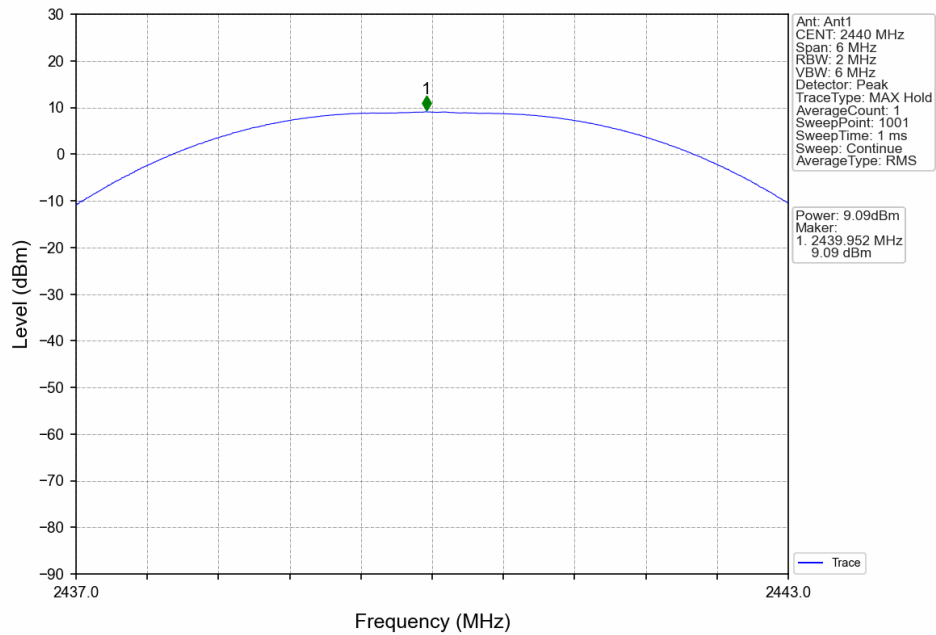
GFSK-1M_HCH_2480MHz_Ant1_NTNV



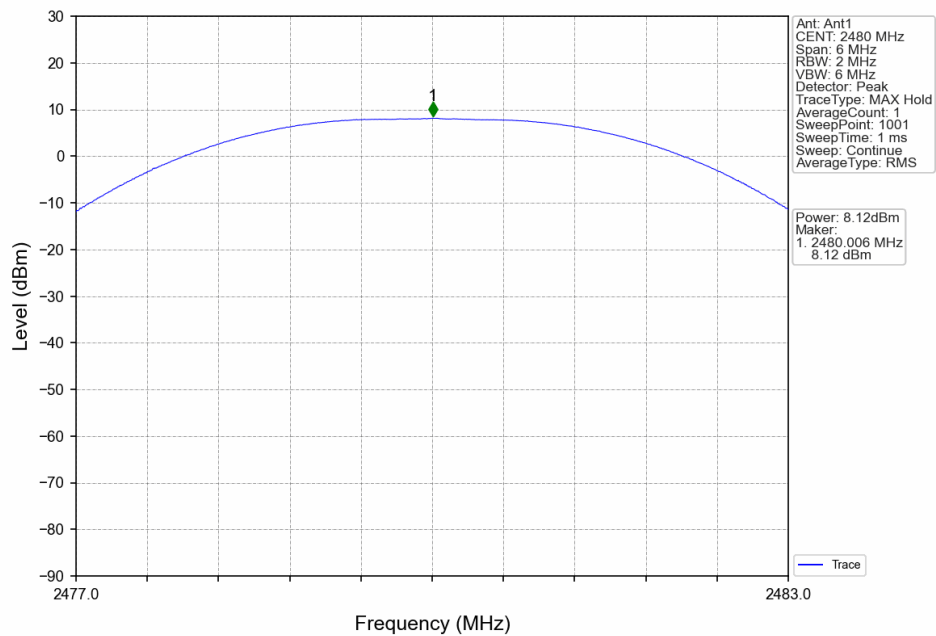
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV

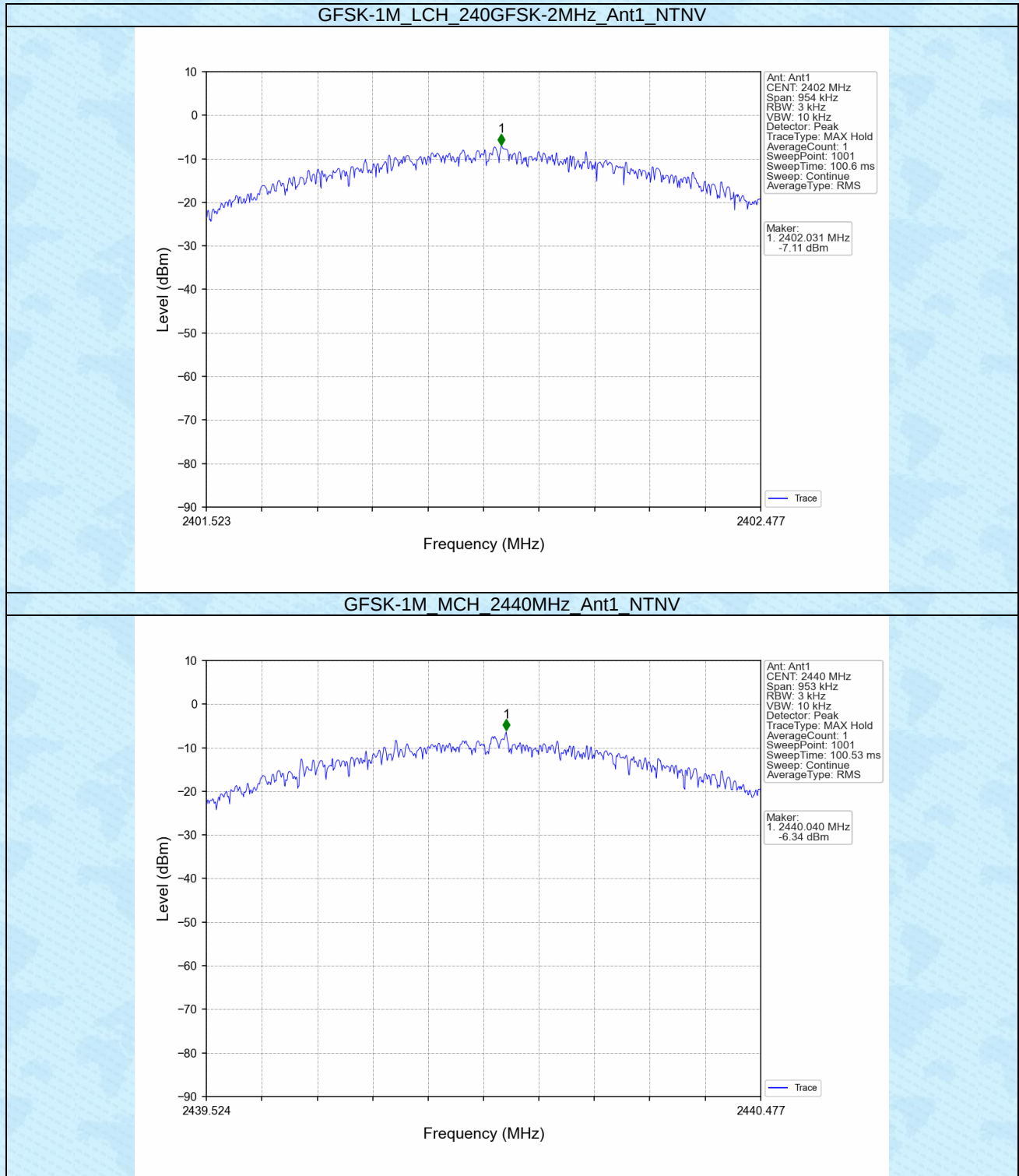


3. Maximum Power Spectral Density

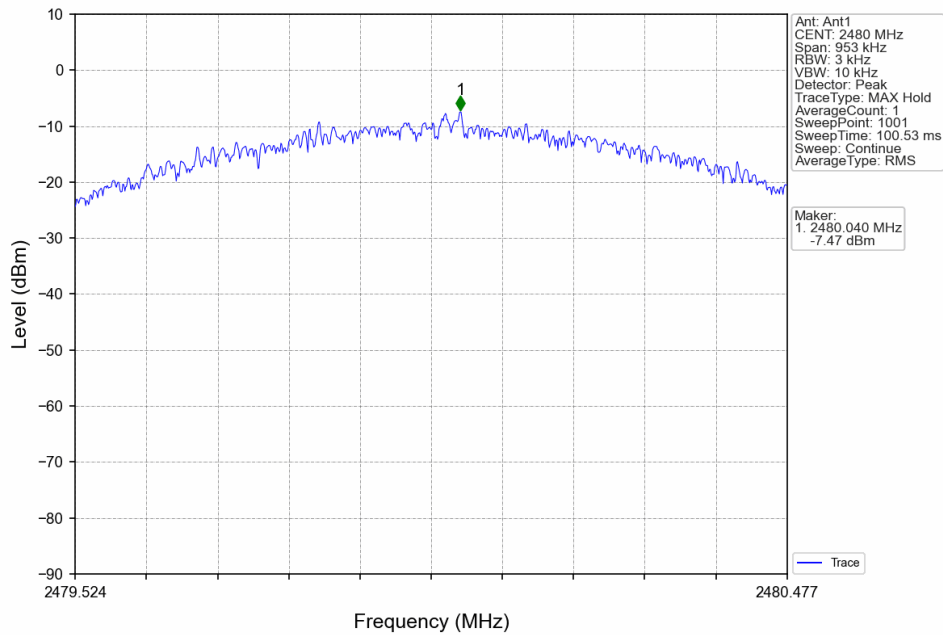
3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	-7.11	<=8	Pass
		2440	-6.34	<=8	Pass
		2480	-7.47	<=8	Pass
GFSK-2M	SISO	2402	-8.05	<=8	Pass
		2440	-8.10	<=8	Pass
		2480	-9.14	<=8	Pass

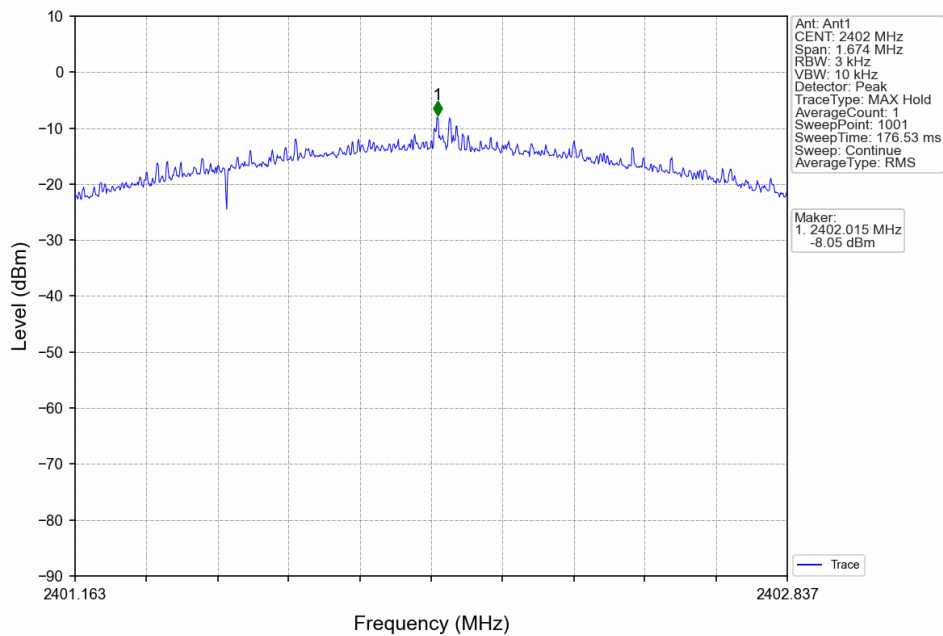
3.2 Test Graph



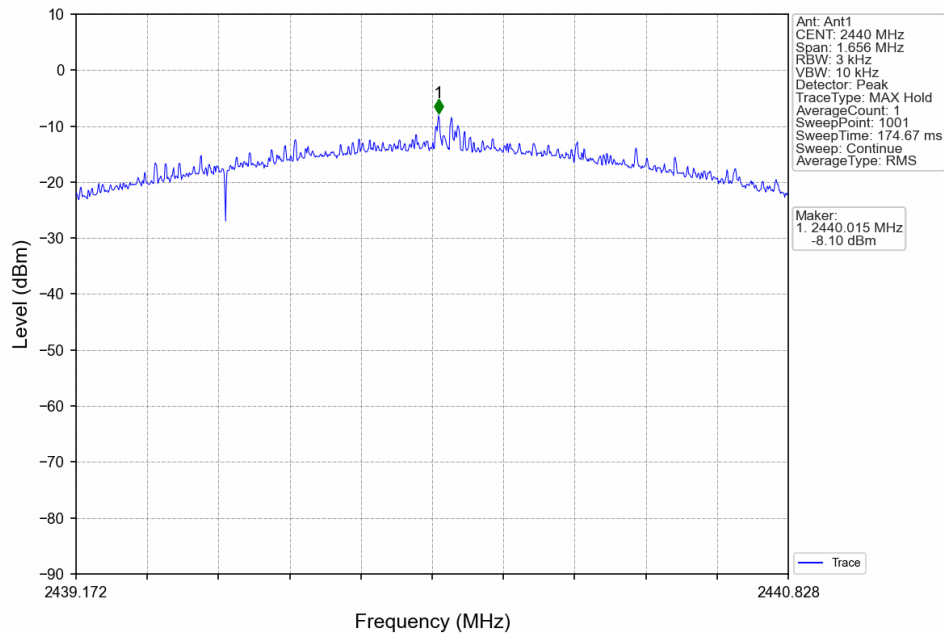
GFSK-1M_HCH_2480MHz_Ant1_NTNV



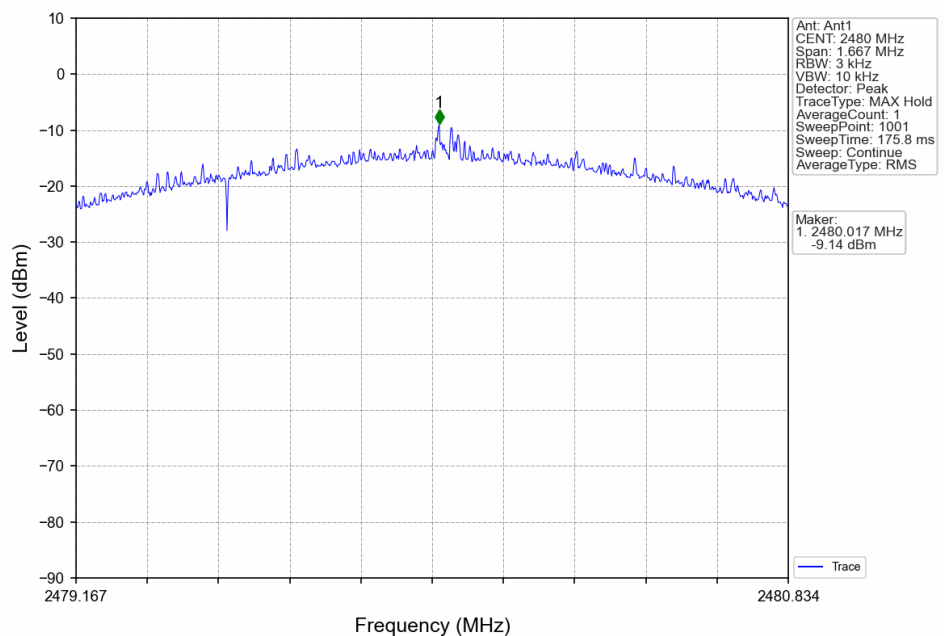
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



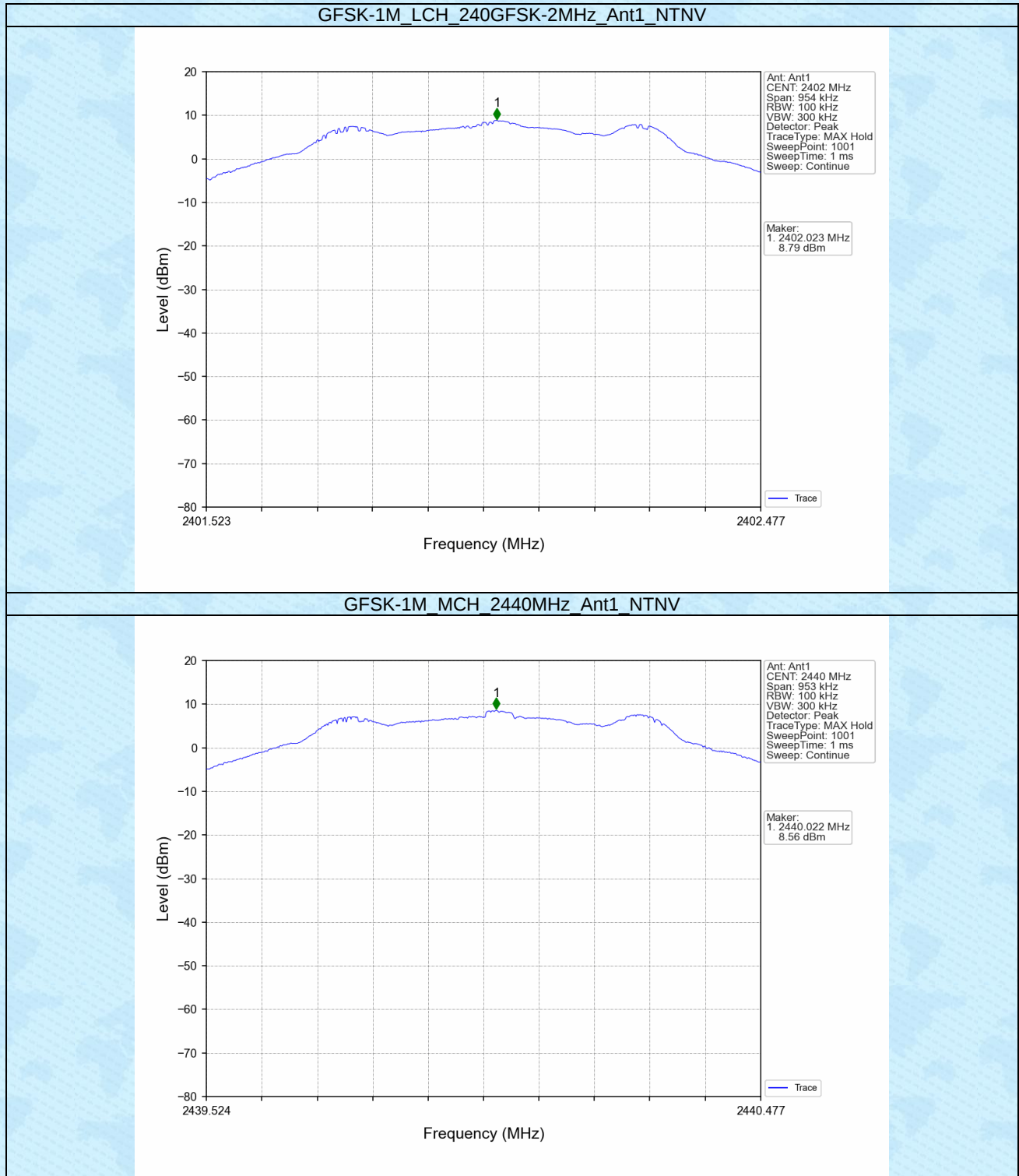
4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

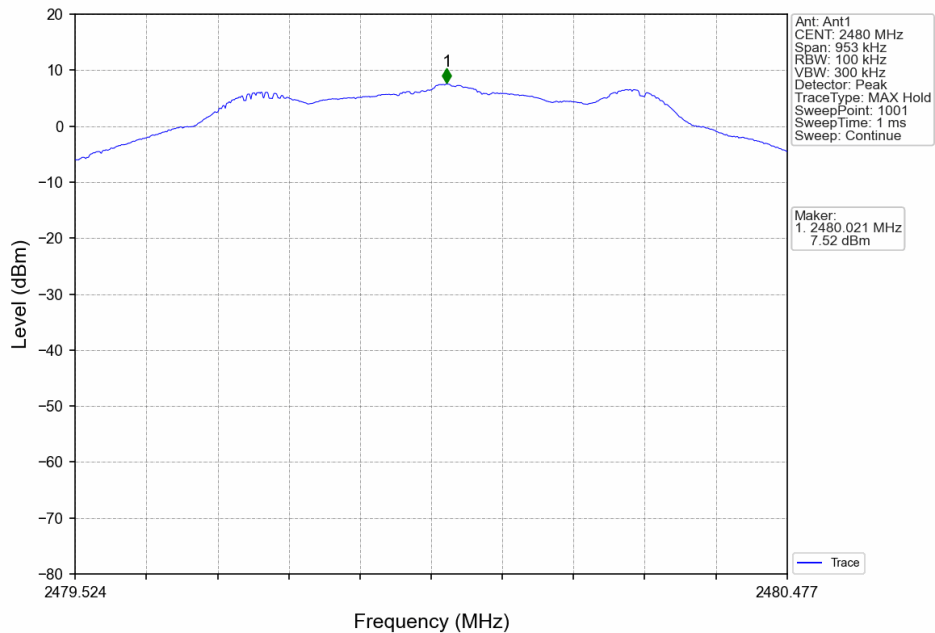
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK-1M	SISO	2402	1	8.79
		2440	1	8.56
		2480	1	7.52
GFSK-2M	SISO	2402	1	9.13
		2440	1	8.79
		2480	1	7.89
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.				

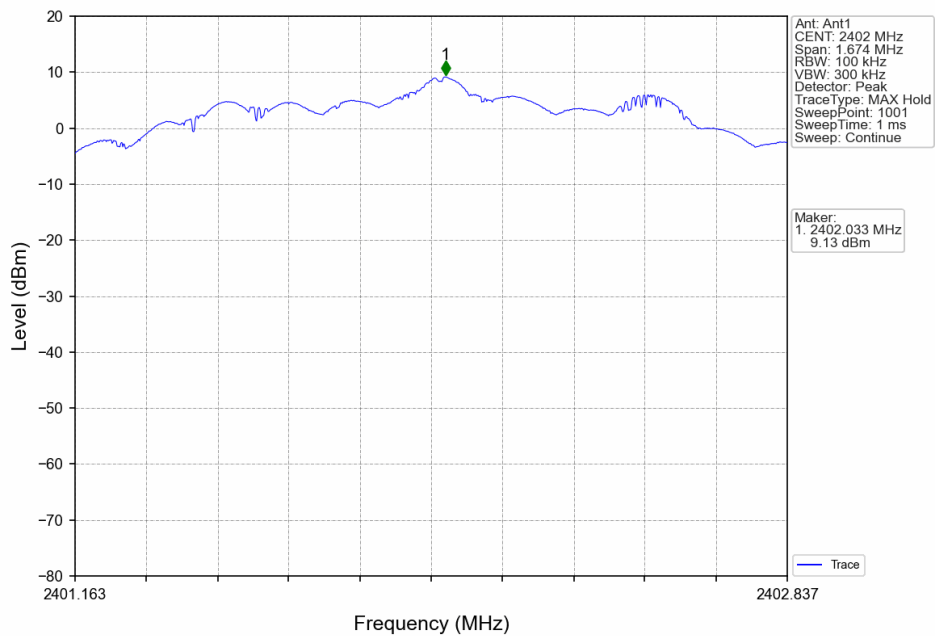
4.1.2 Test Graph



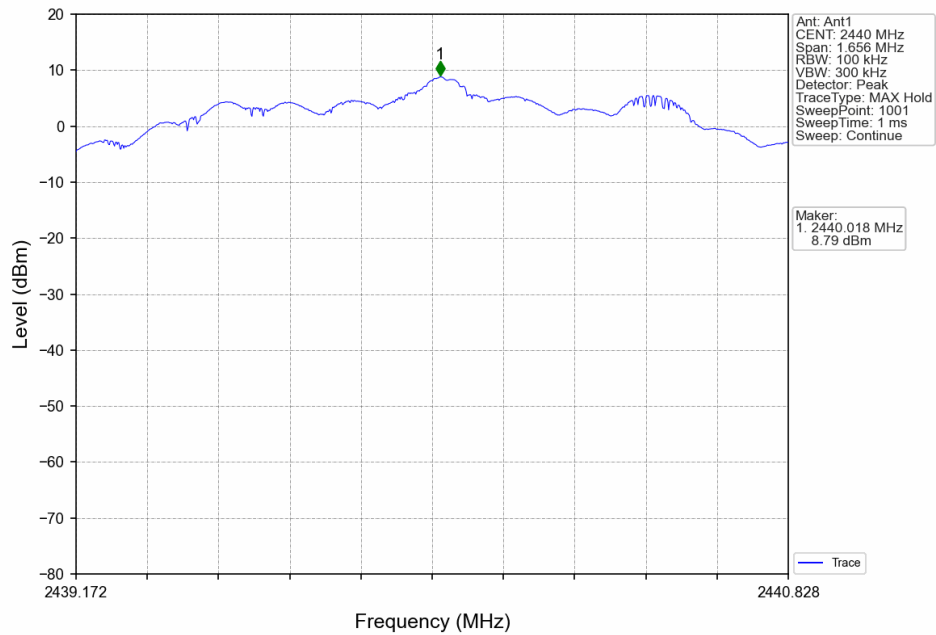
GFSK-1M_HCH_2480MHz_Ant1_NTNV



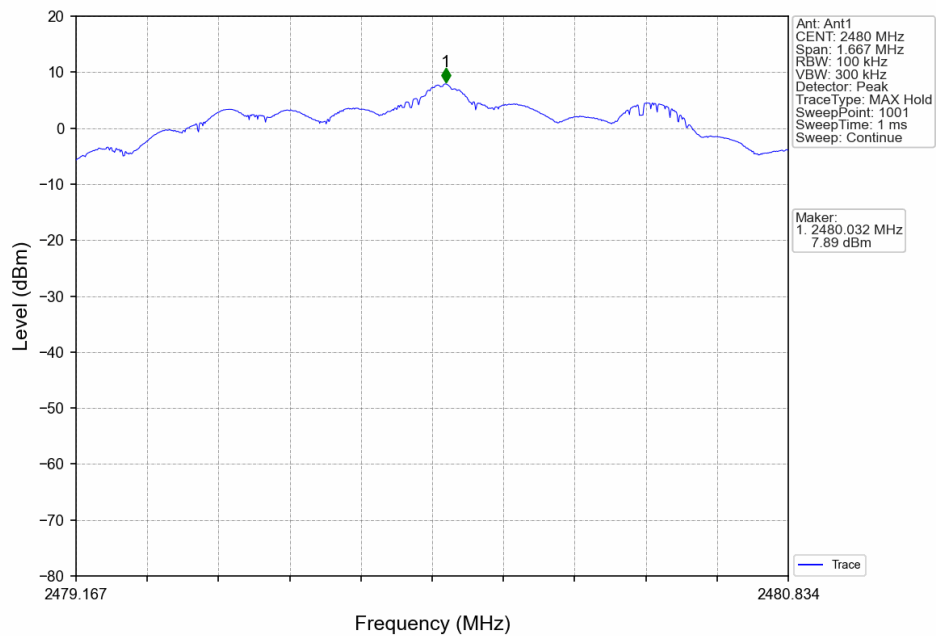
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



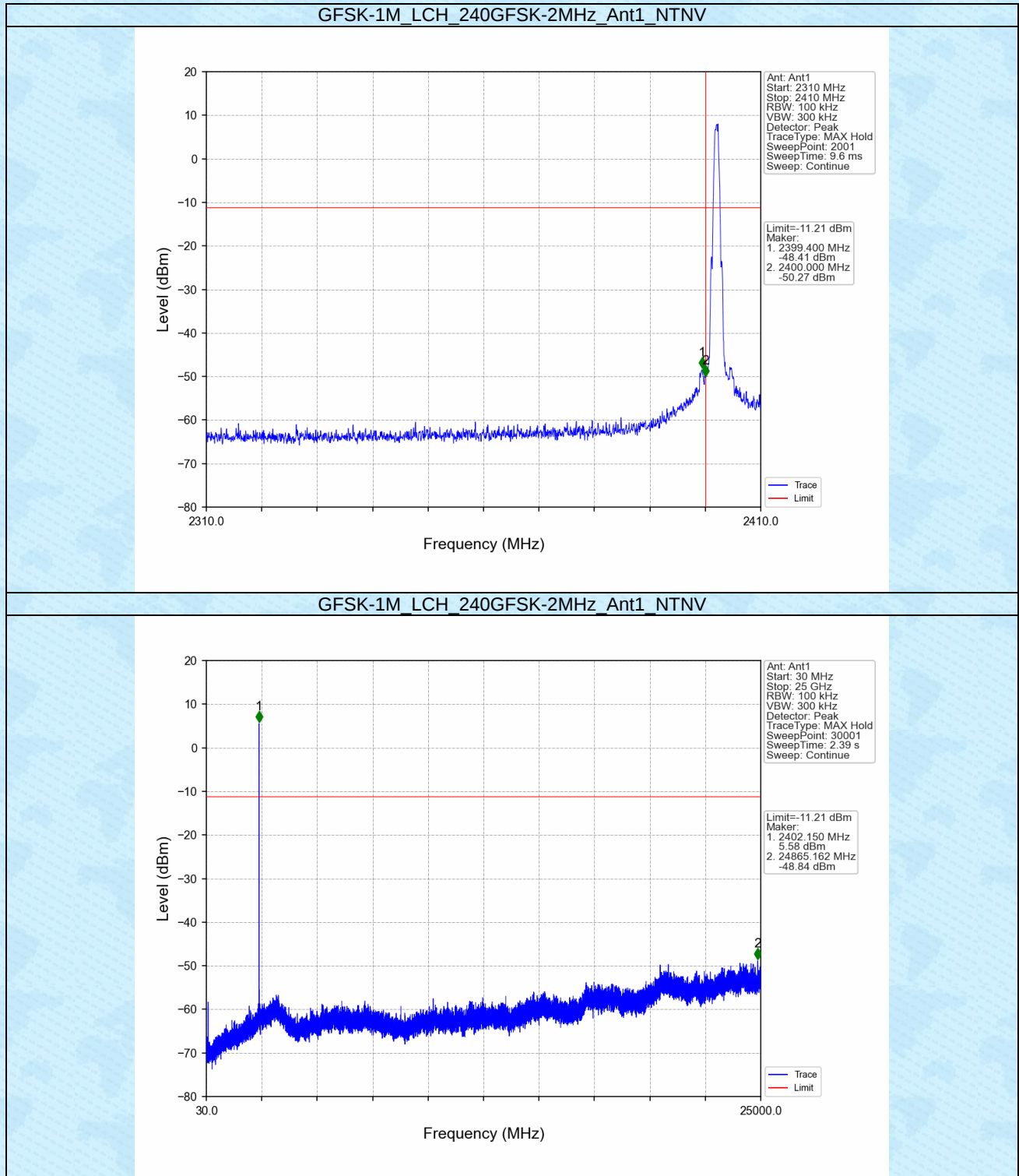
4.2 CSE

4.2.1 Test Result

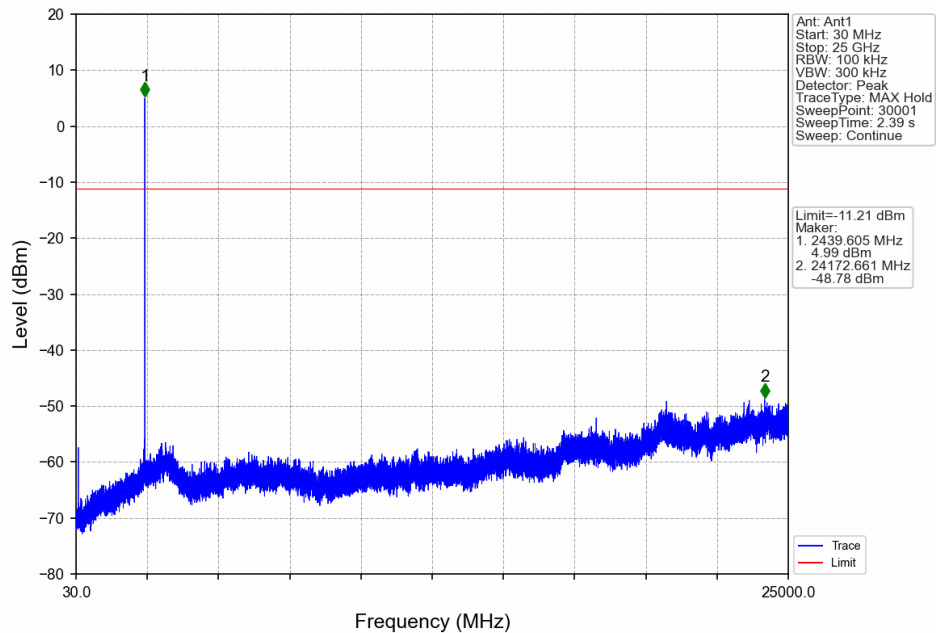
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK-1M	SISO	2402	1	8.79	-11.21	Pass
		2440	1	8.79	-11.21	Pass
		2480	1	8.79	-11.21	Pass
GFSK-2M	SISO	2402	1	9.13	-10.87	Pass
		2440	1	9.13	-10.87	Pass
		2480	1	9.13	-10.87	Pass

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.

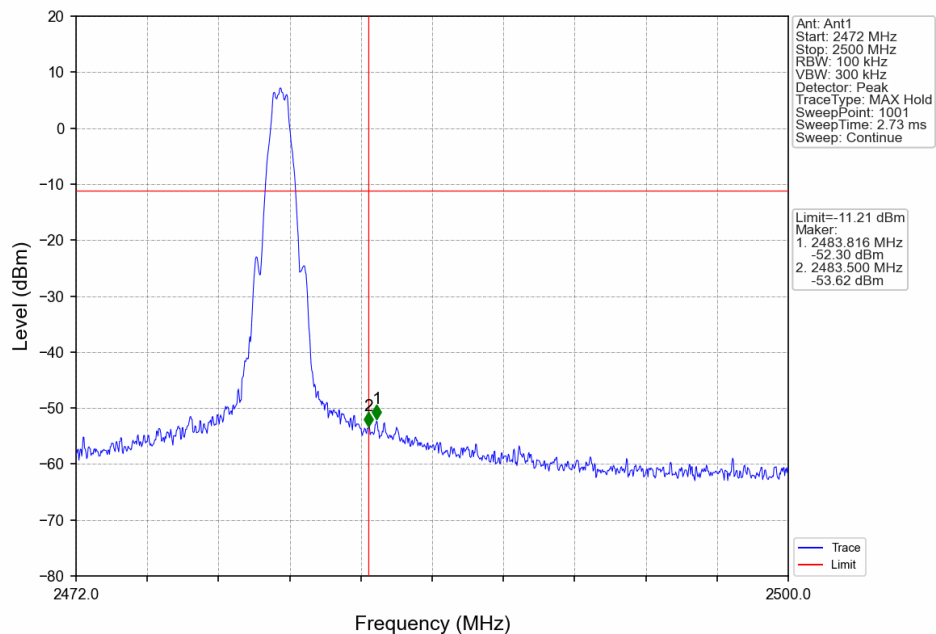
4.2.2 Test Graph



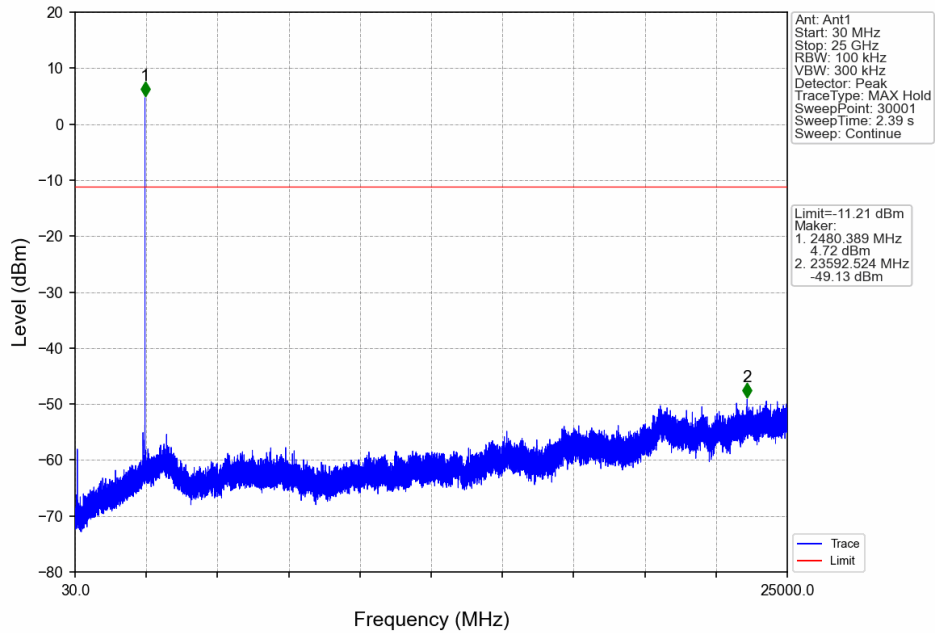
GFSK-1M_MCH_2440MHz_Ant1_NTNV



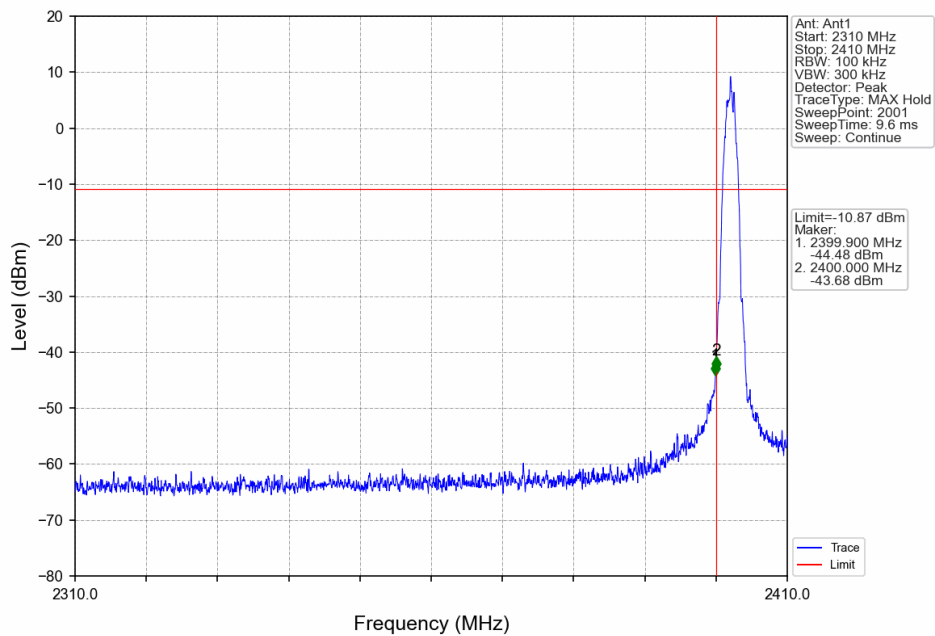
GFSK-1M_HCH_2480MHz_Ant1_NTNV



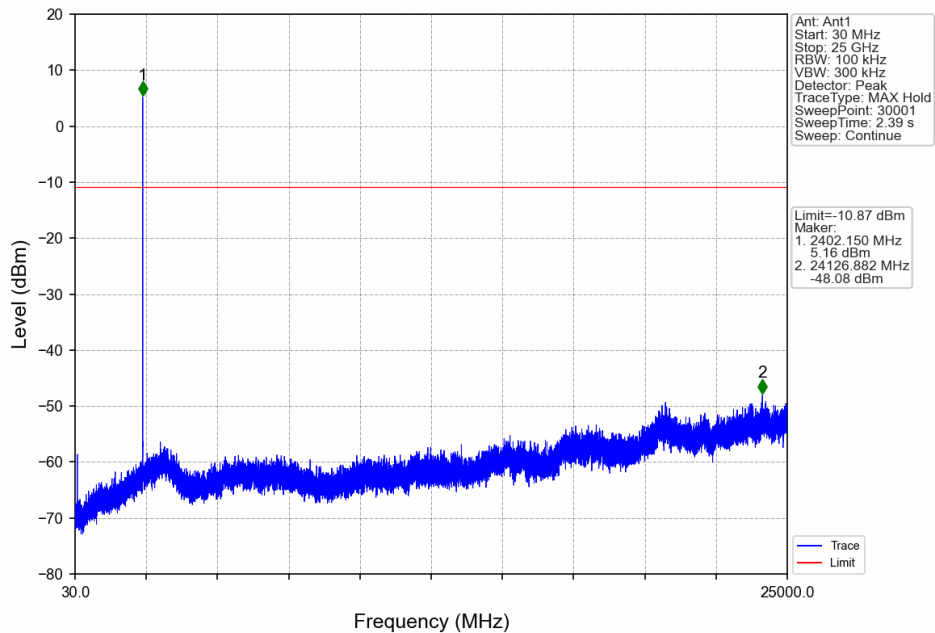
GFSK-1M_HCH_2480MHz_Ant1_NTNV



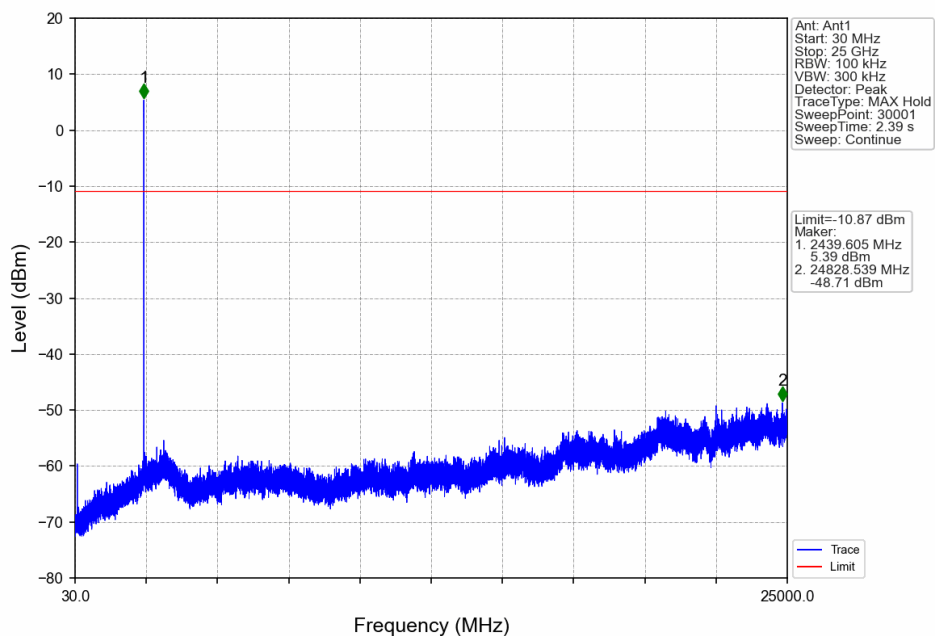
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



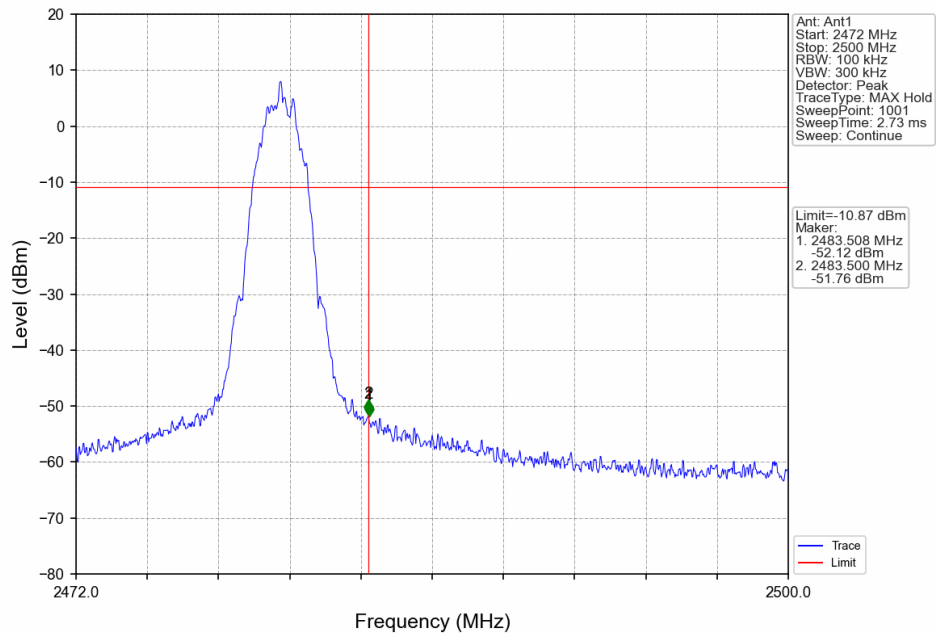
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



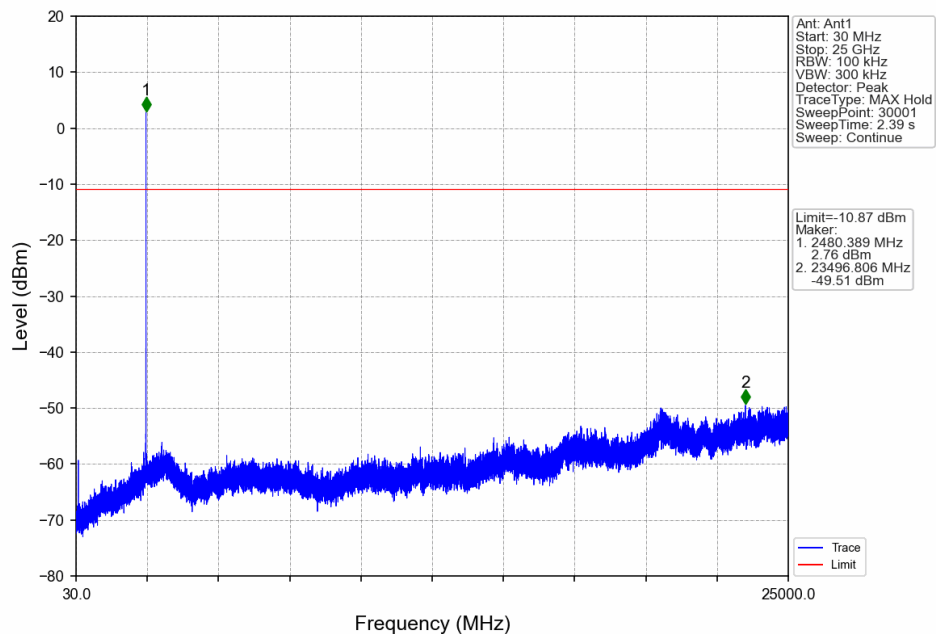
GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



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