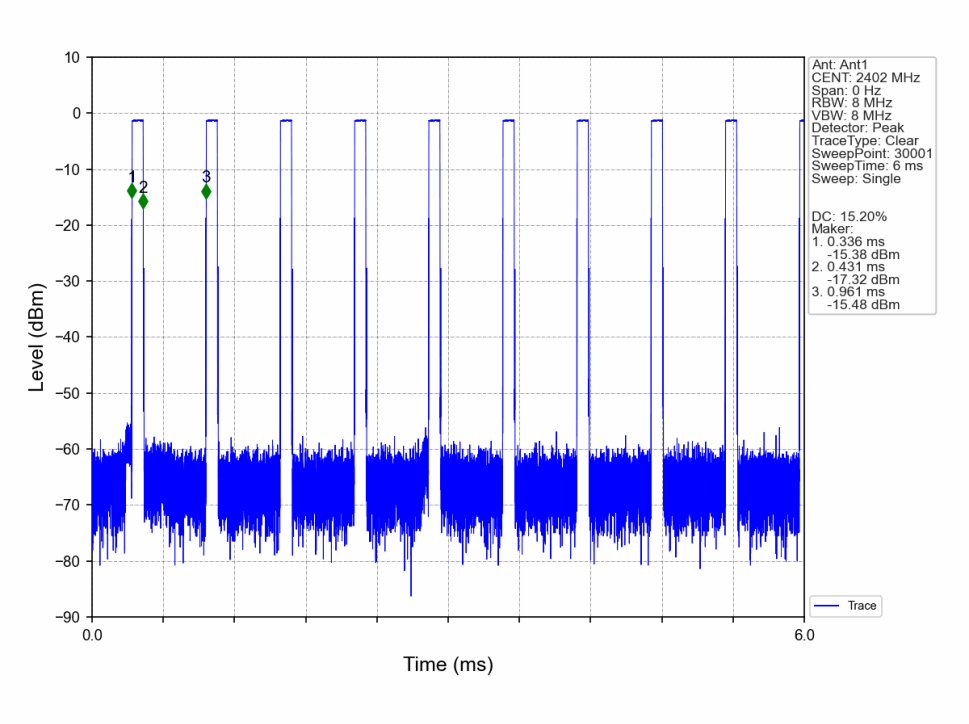
1. Duty Cycle

1.1 Test Result

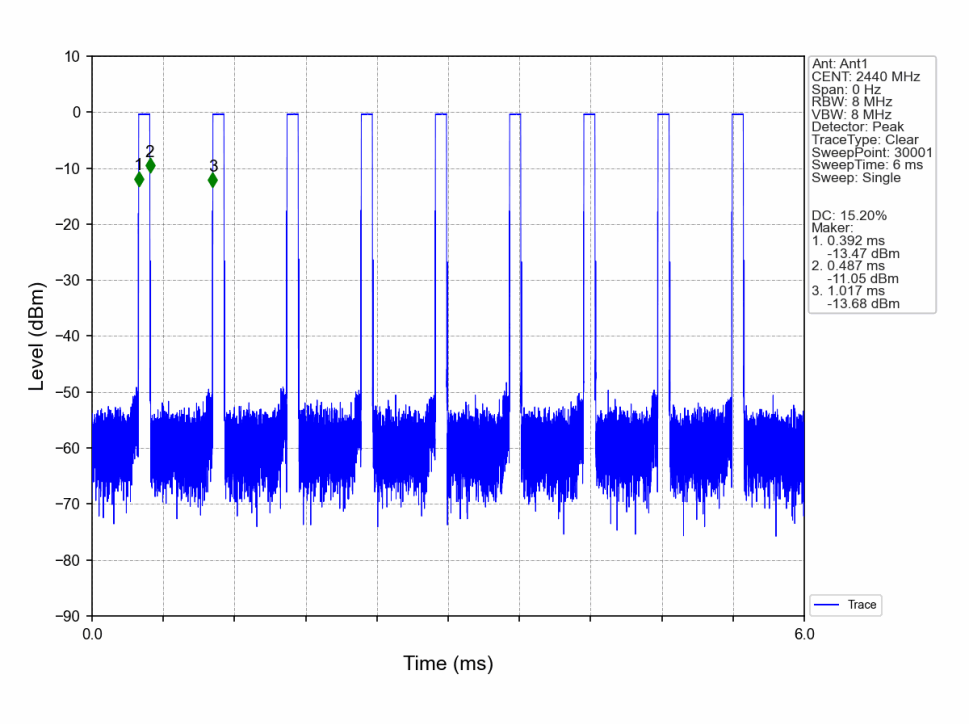
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK-1M	SISO	2402	0.095	0.625	15.20	8.18	0.00
		2440	0.095	0.625	15.20	8.18	0.00
		2480	0.095	0.625	15.20	8.18	0.00
GFSK-2M	SISO	2402	0.063	0.625	10.08	9.97	0.00
		2440	0.063	0.625	10.08	9.97	0.03
		2480	0.063	0.625	10.08	9.97	0.00

1.2 Test Graph

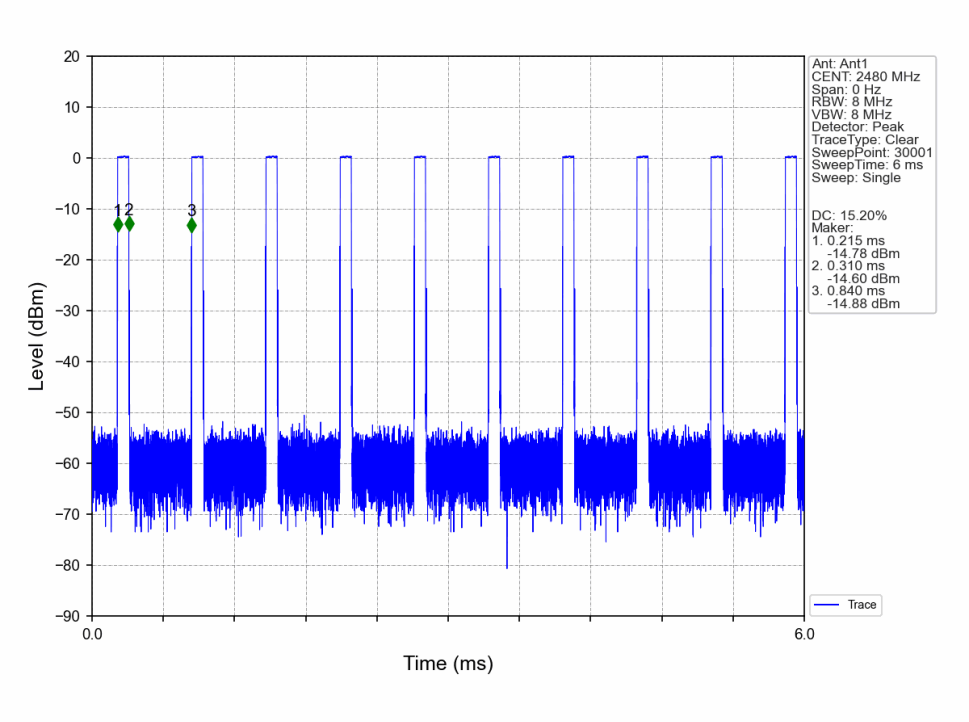
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



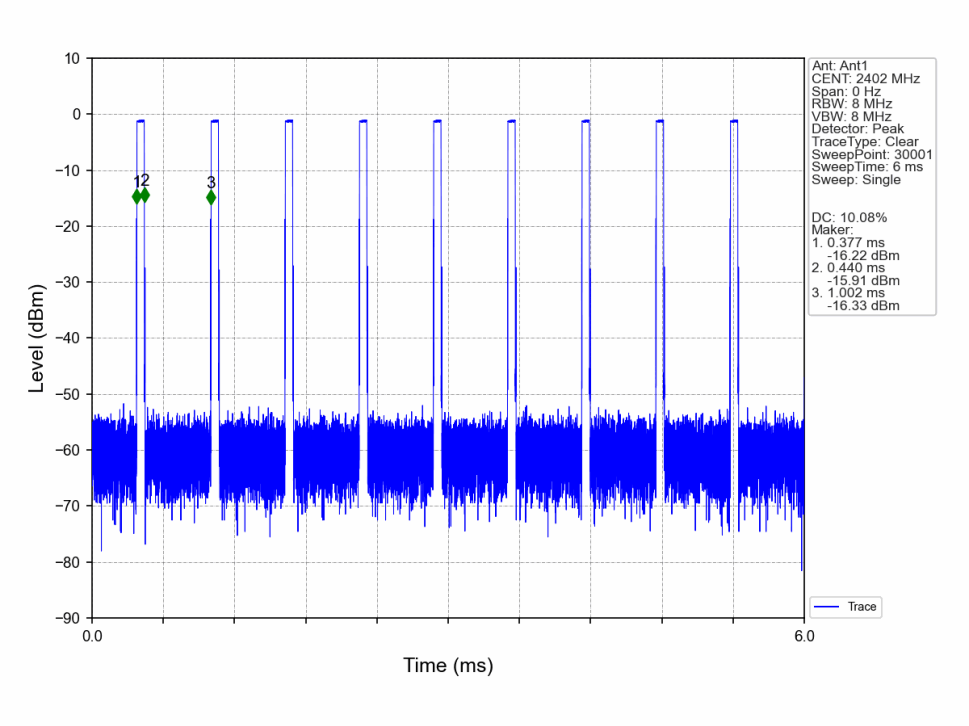
GFSK-1M_MCH_2440MHz_Ant1_NTNV



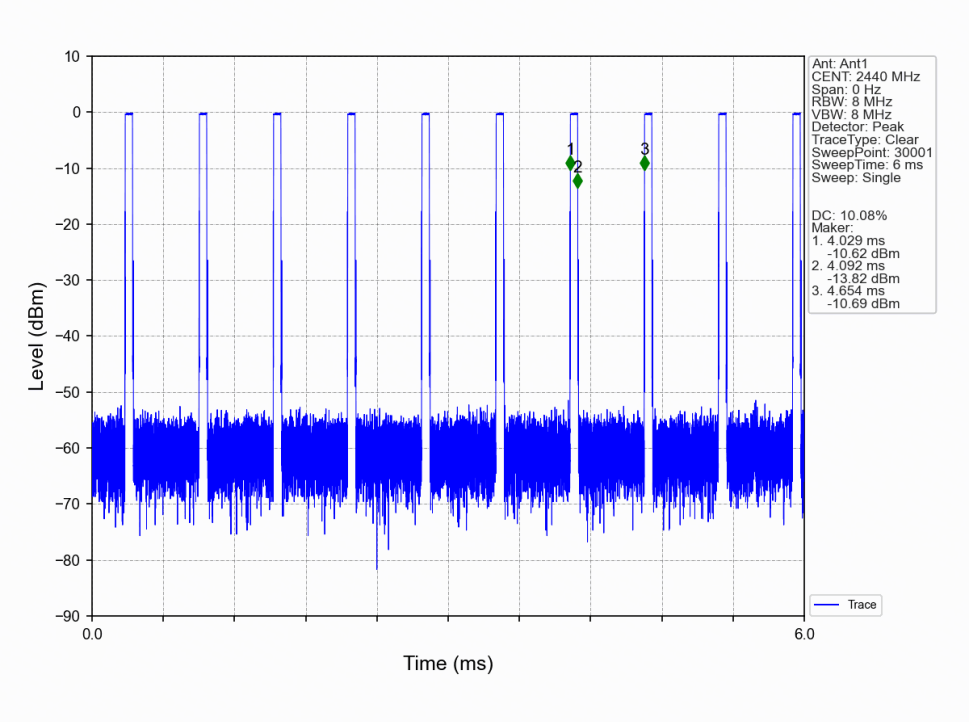
GFSK-1M_HCH_2480MHz_Ant1_NTNV



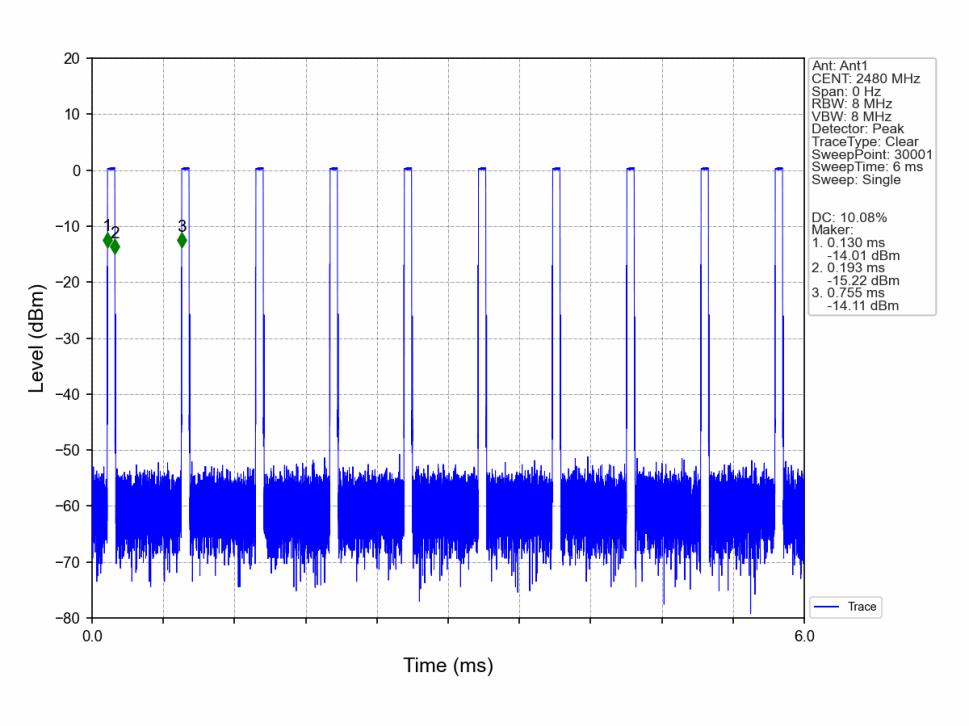
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK-1M	SISO	2402	1	1.017	/	Pass
		2440	1	1.017	/	Pass
		2480	1	1.017	/	Pass
GFSK-2M	SISO	2402	1	2.058	/	Pass
		2440	1	2.058	/	Pass
		2480	1	2.057	/	Pass

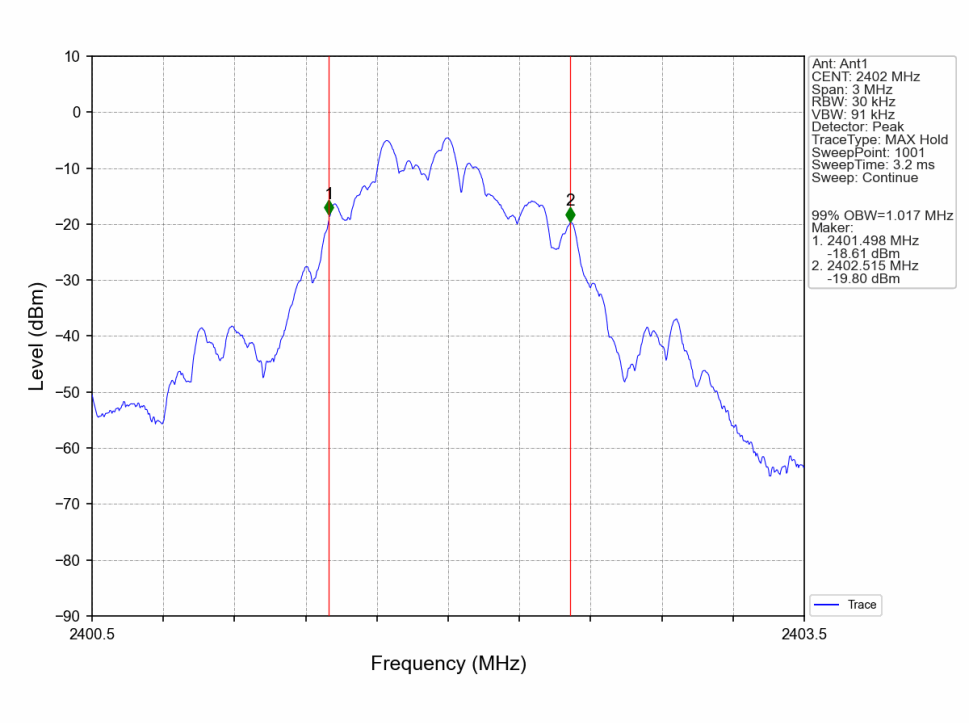
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK-1M	SISO	2402	1	0.507	>=0.5	Pass
		2440	1	0.505	>=0.5	Pass
		2480	1	0.506	>=0.5	Pass
GFSK-2M	SISO	2402	1	0.858	>=0.5	Pass
		2440	1	0.867	>=0.5	Pass
		2480	1	0.859	>=0.5	Pass

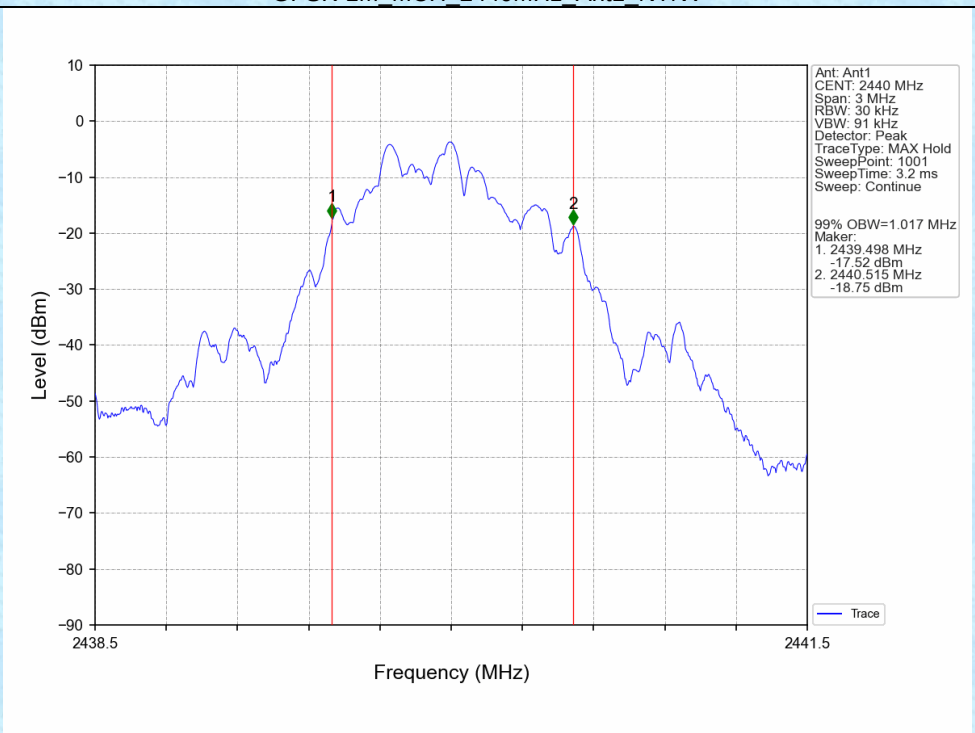
2.2 Test Graph

2.2.1 OBW

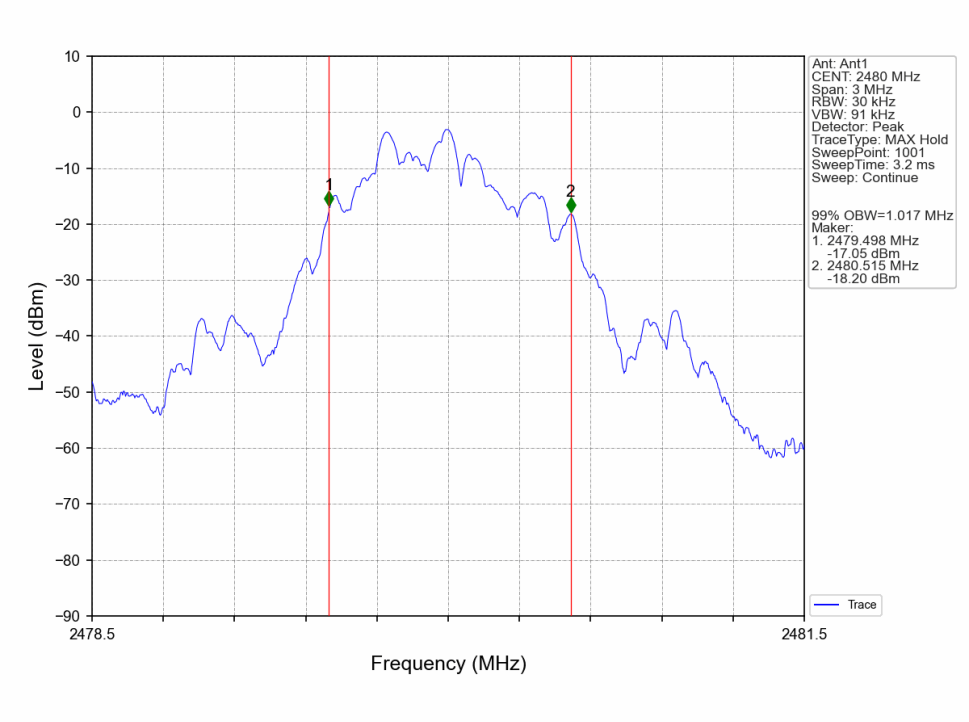
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



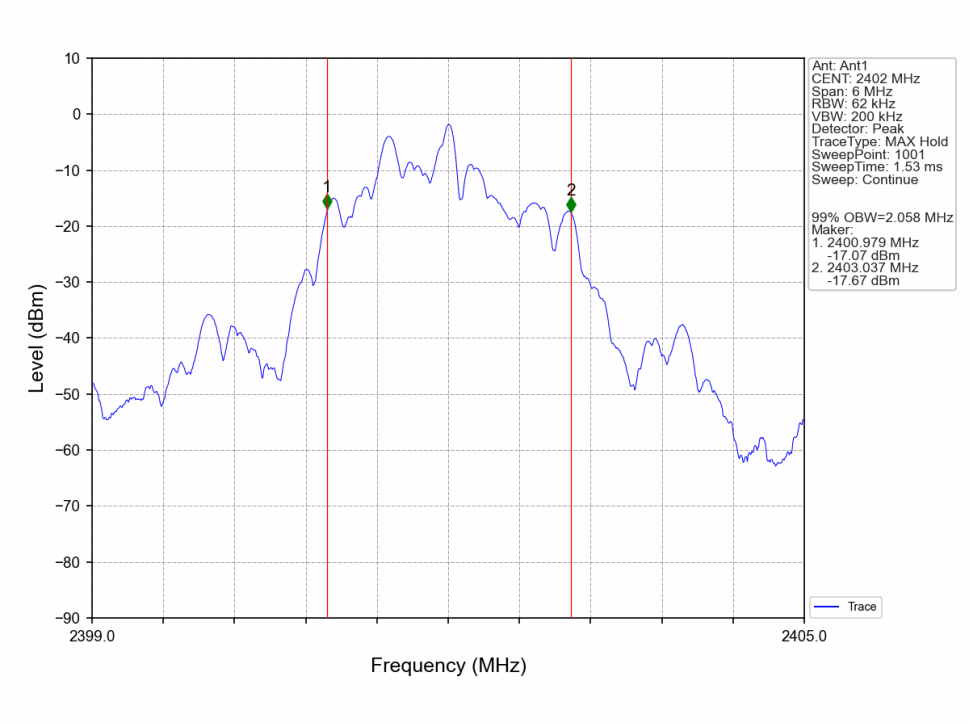
GFSK-1M_MCH_2440MHz_Ant1_NTNV



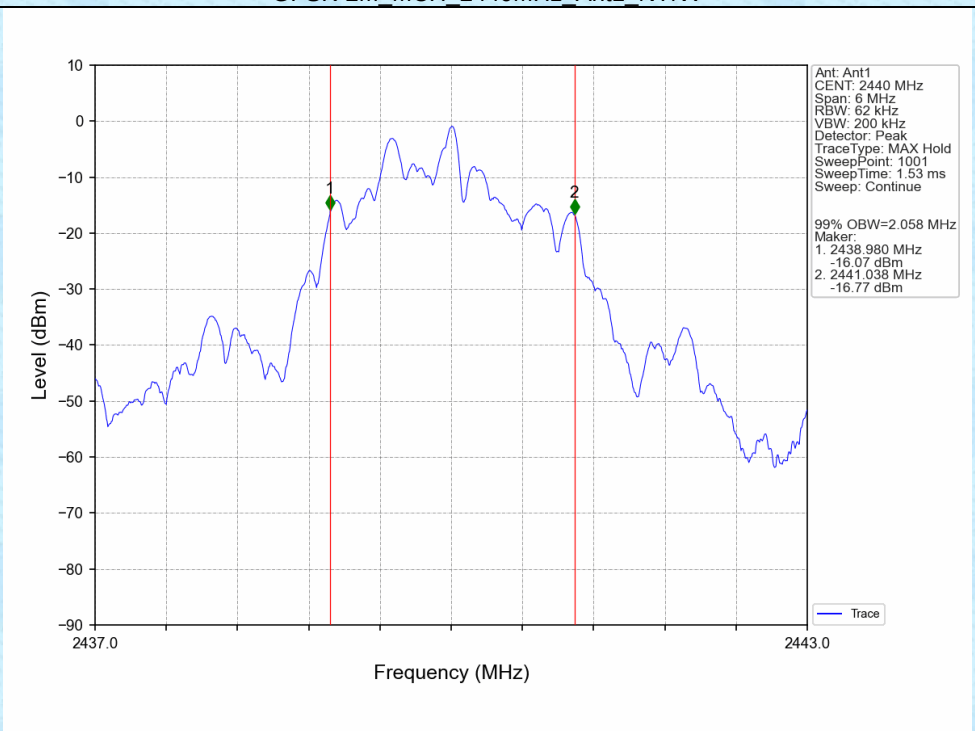
GFSK-1M_HCH_2480MHz_Ant1_NTNV



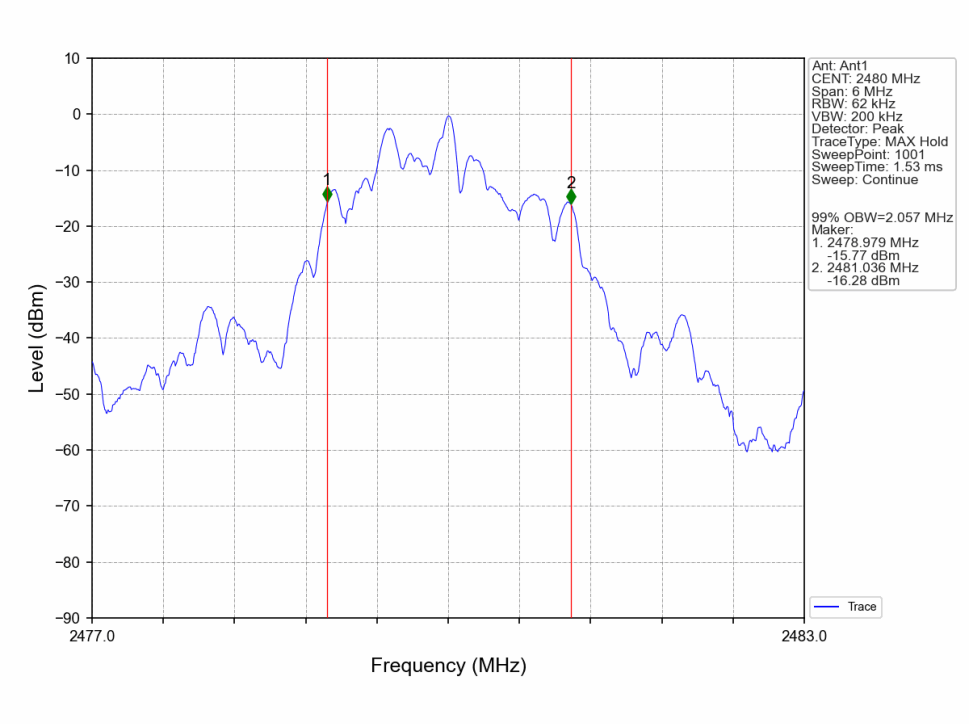
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV

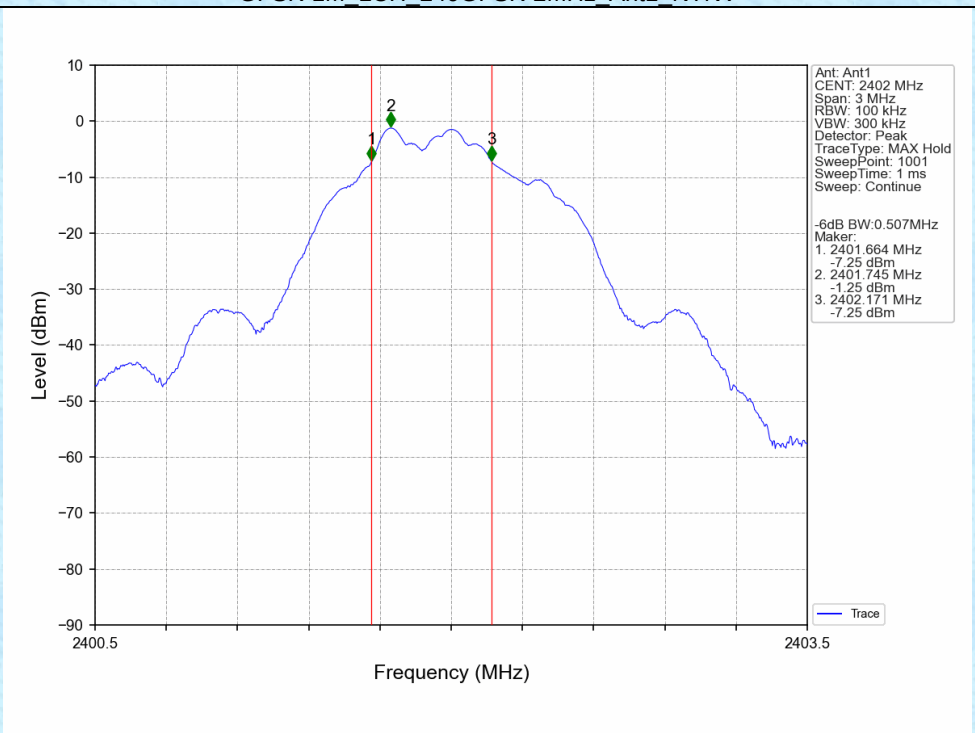


GFSK-2M_HCH_2480MHz_Ant1_NTNV

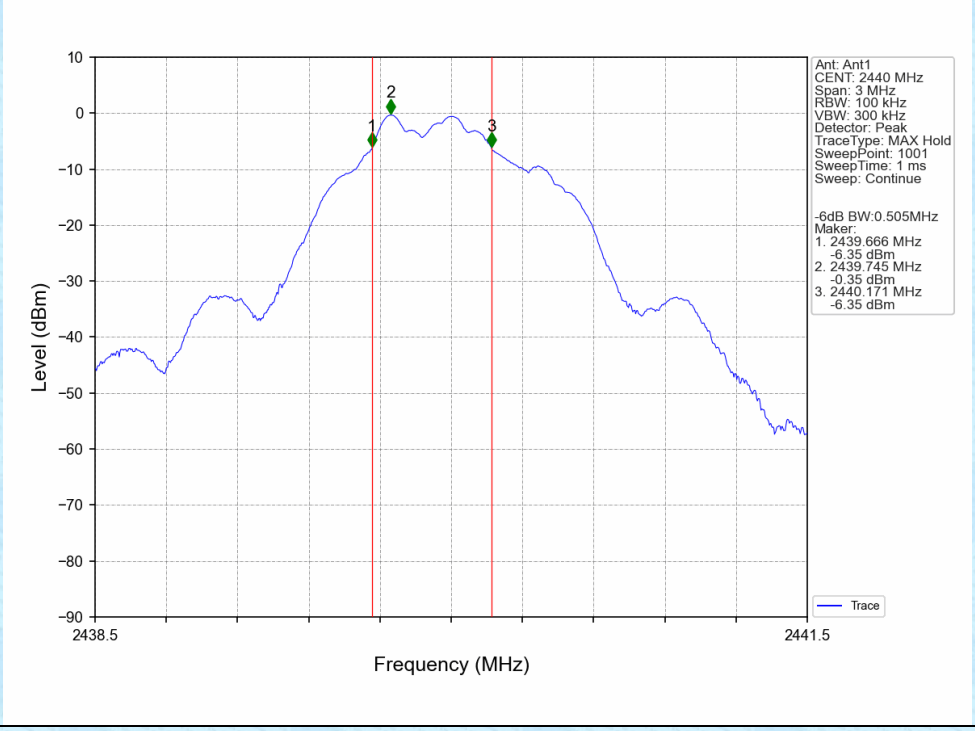


2.2.2 6dB BW

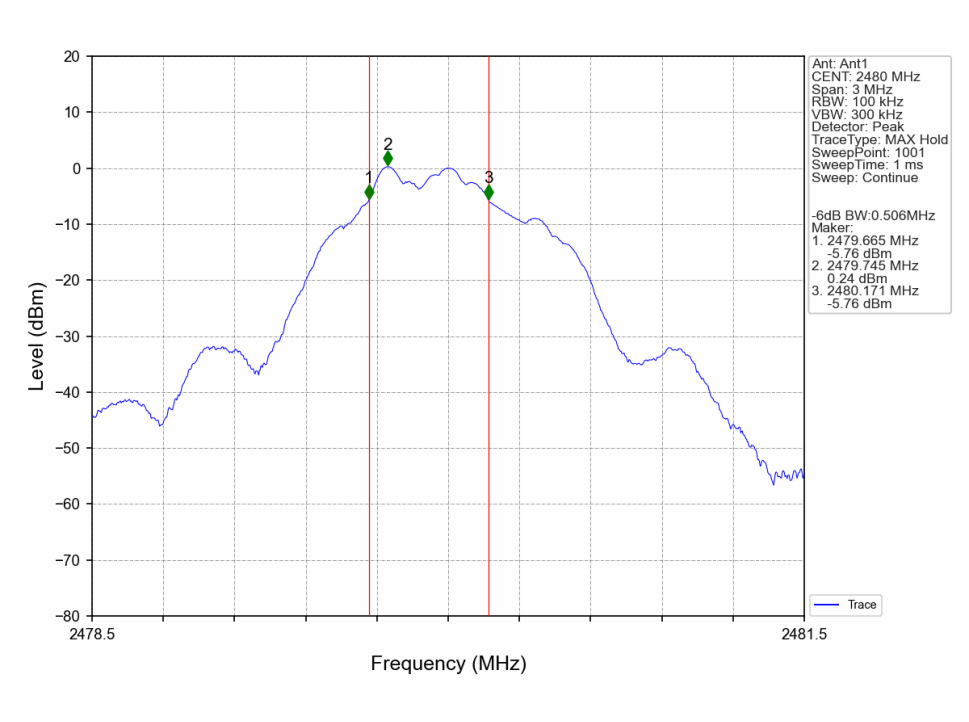
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



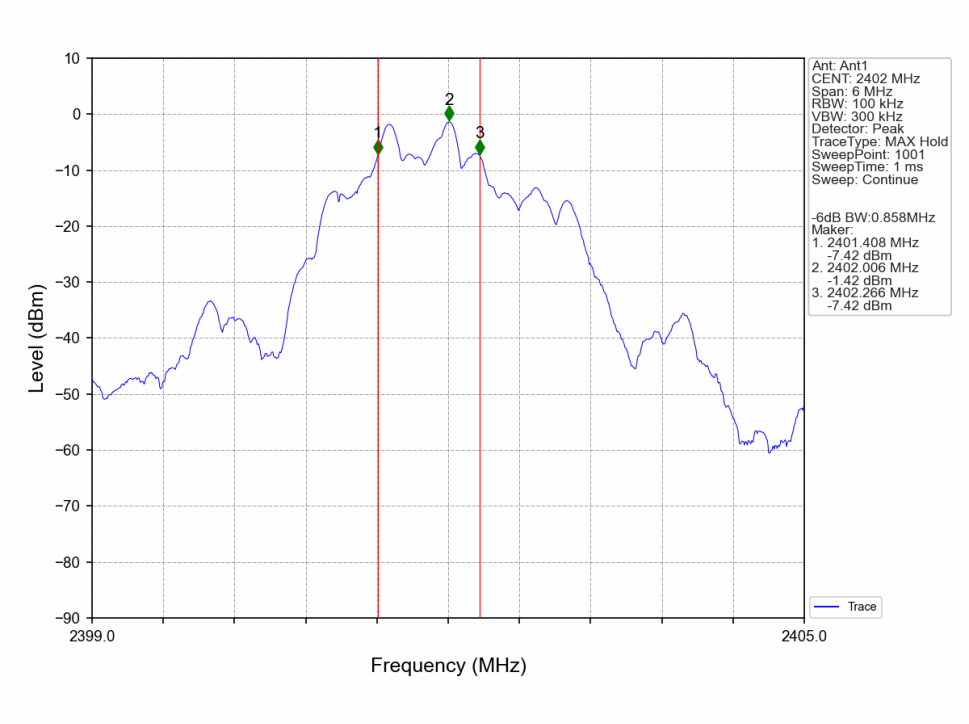
GFSK-1M_MCH_2440MHz_Ant1_NTNV



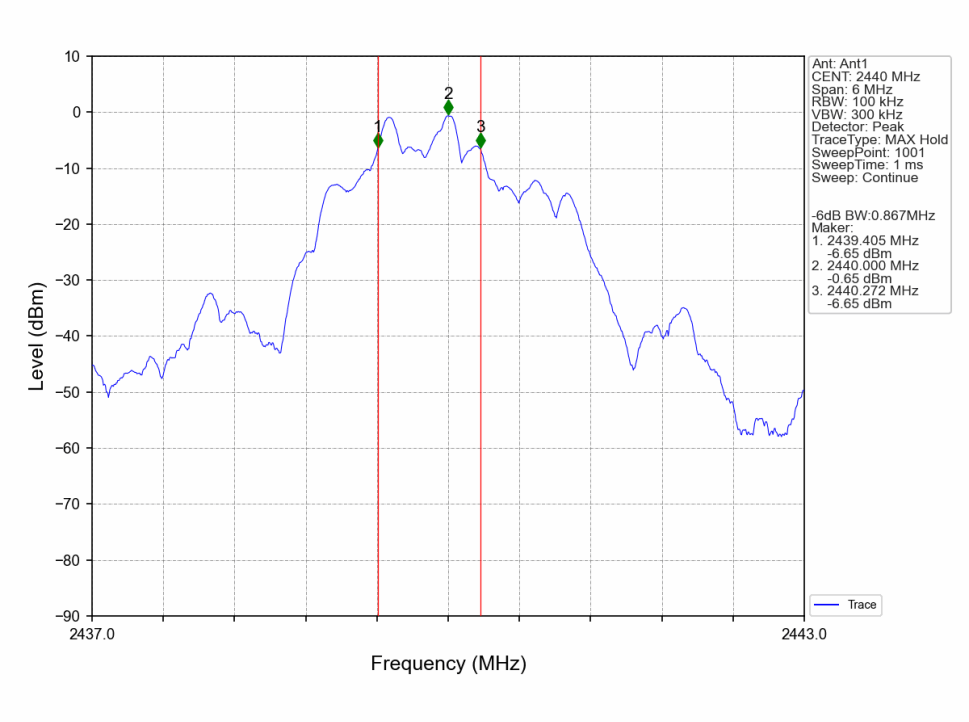
GFSK-1M_HCH_2480MHz_Ant1_NTNV



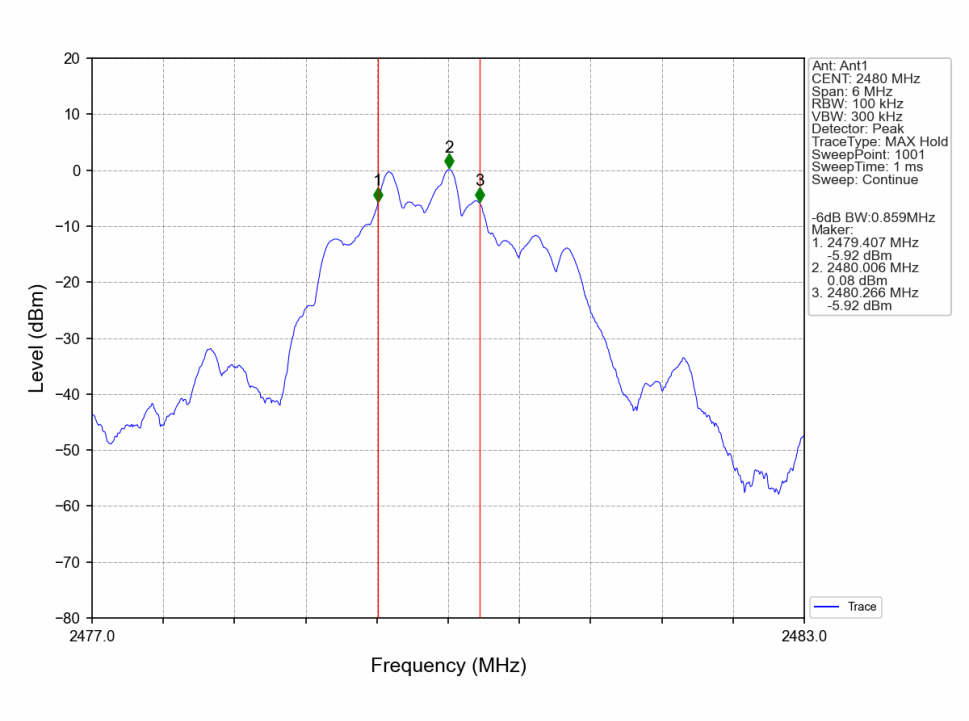
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



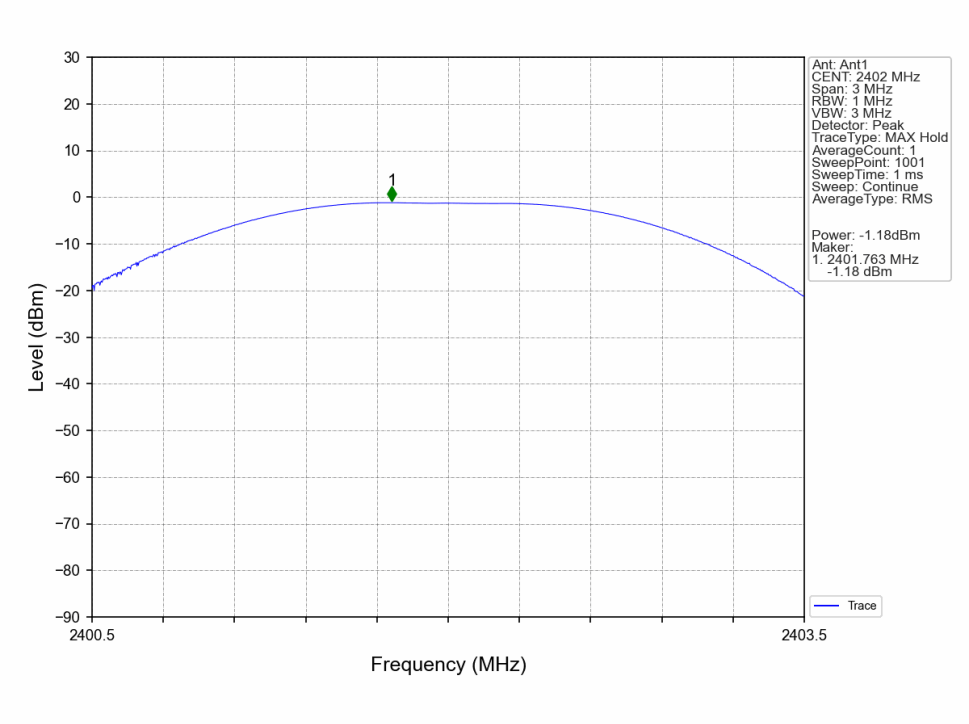
3. Maximum Conducted Output Power

3.1 Test Result

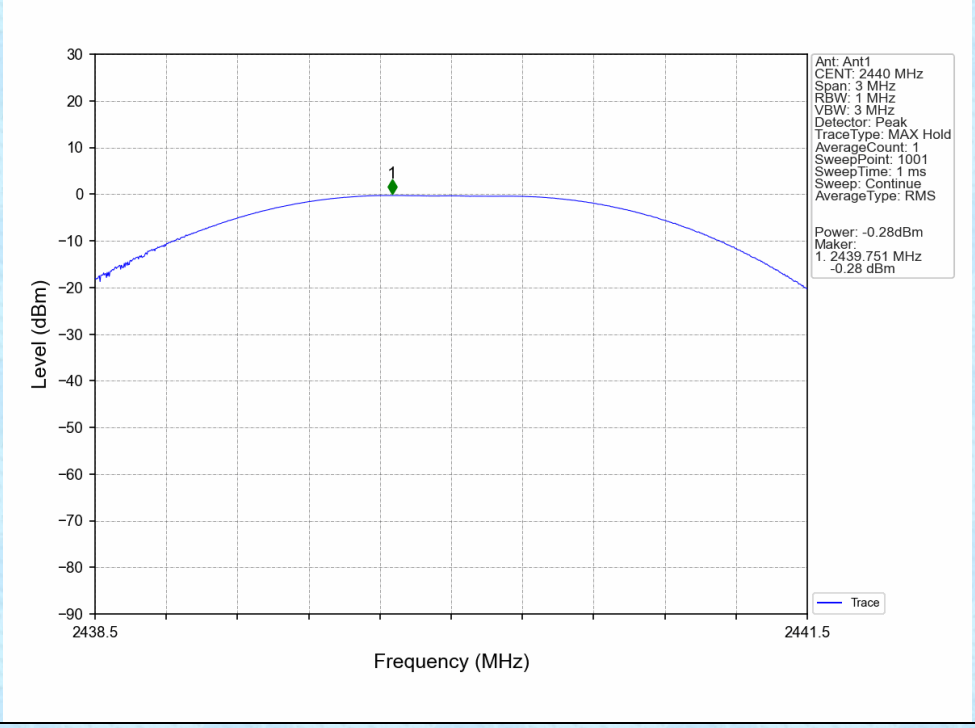
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	-1.18	<=30	Pass
		2440	-0.28	<=30	Pass
		2480	0.30	<=30	Pass
GFSK-2M	SISO	2402	-1.08	<=30	Pass
		2440	-0.17	<=30	Pass
		2480	0.40	<=30	Pass

3.2 Test Graph

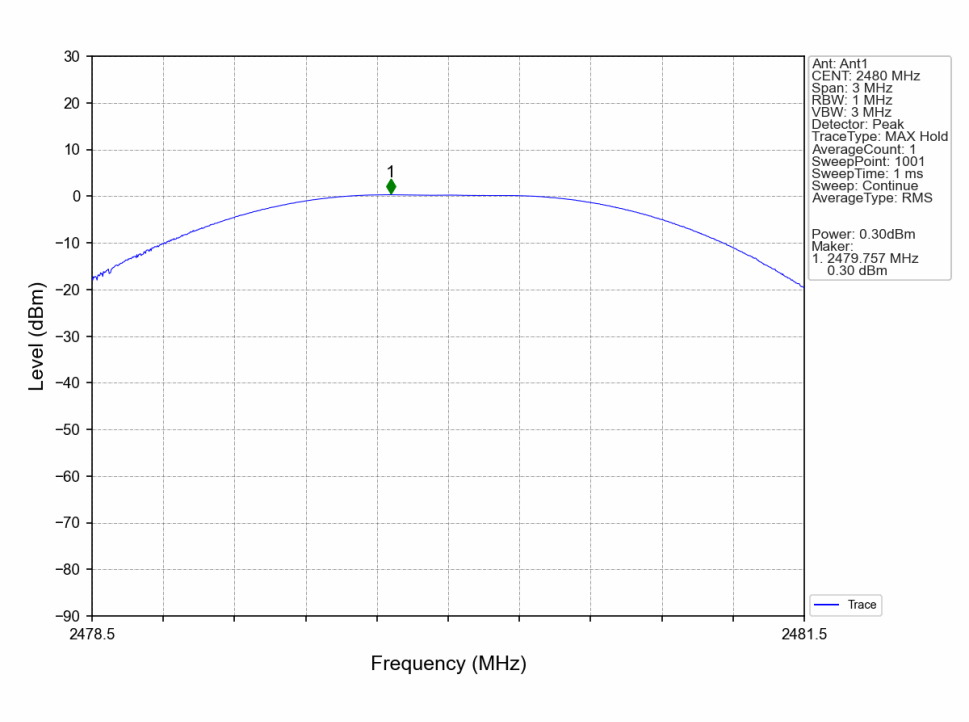
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



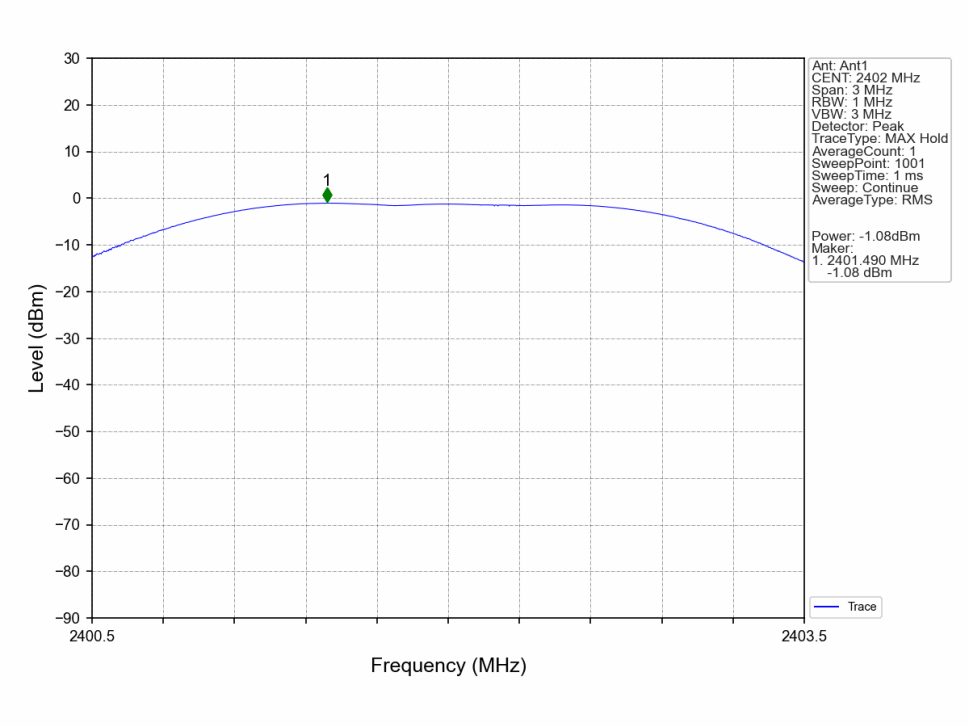
GFSK-1M_MCH_2440MHz_Ant1_NTNV



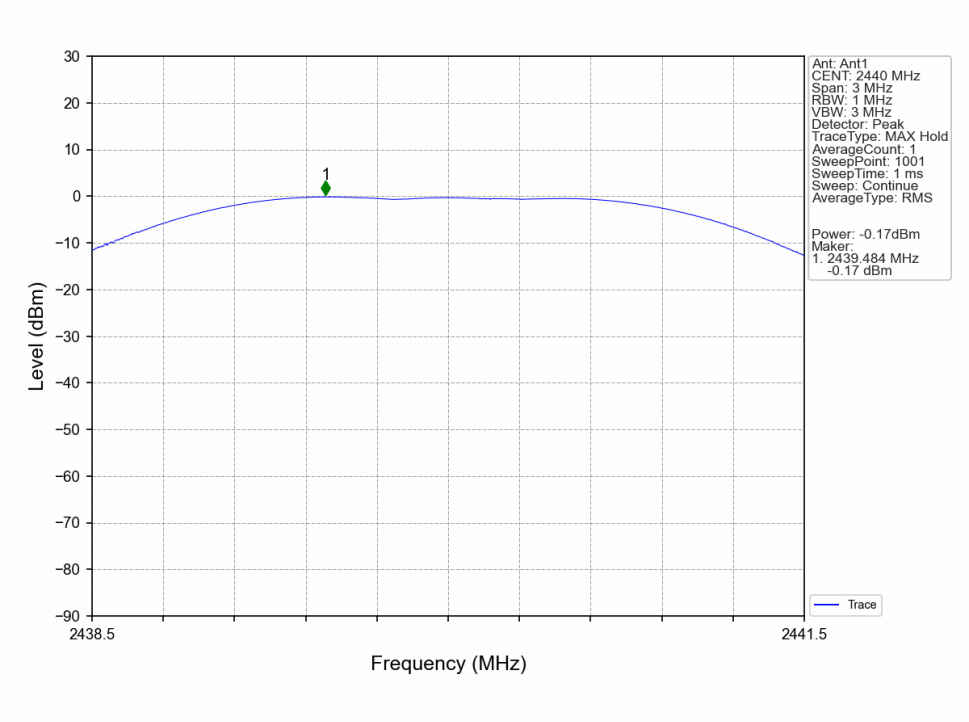
GFSK-1M_HCH_2480MHz_Ant1_NTNV



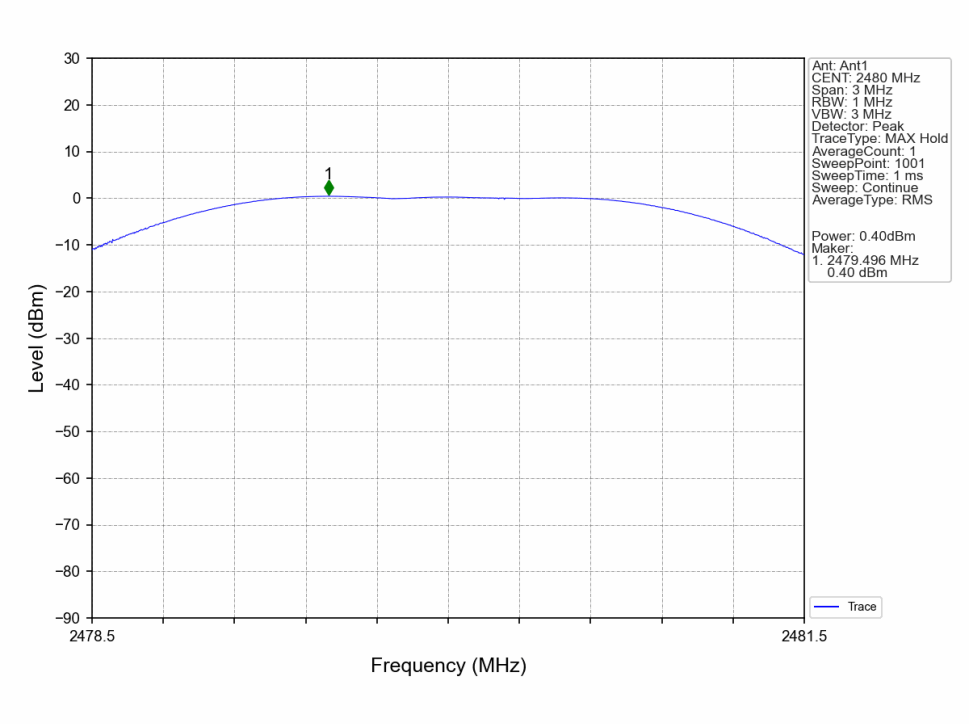
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



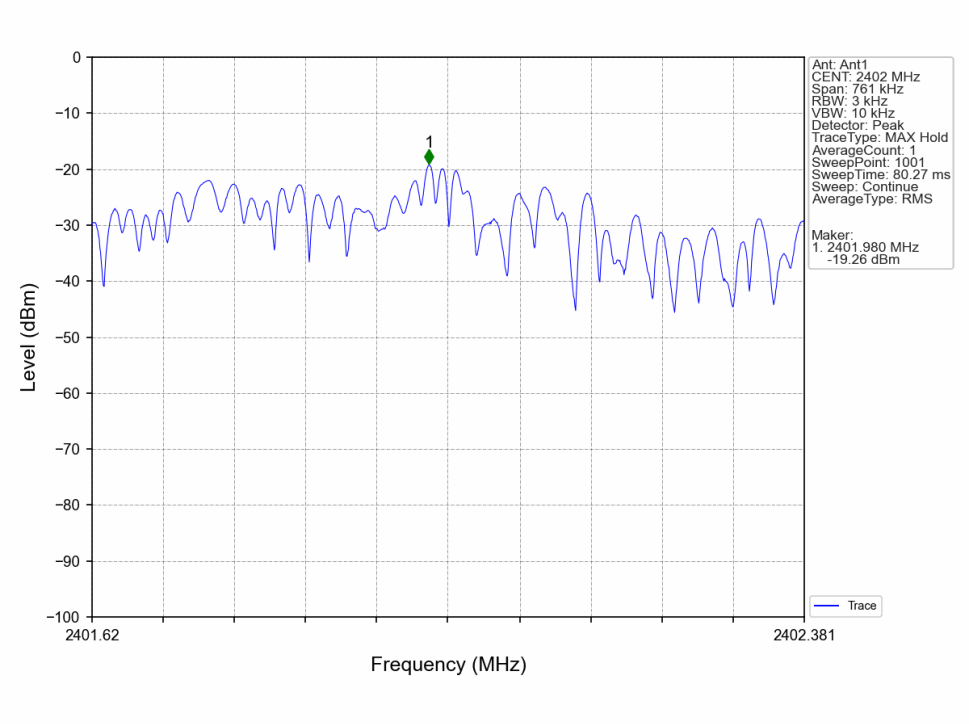
4. Maximum Power Spectral Density

4.1 Test Result

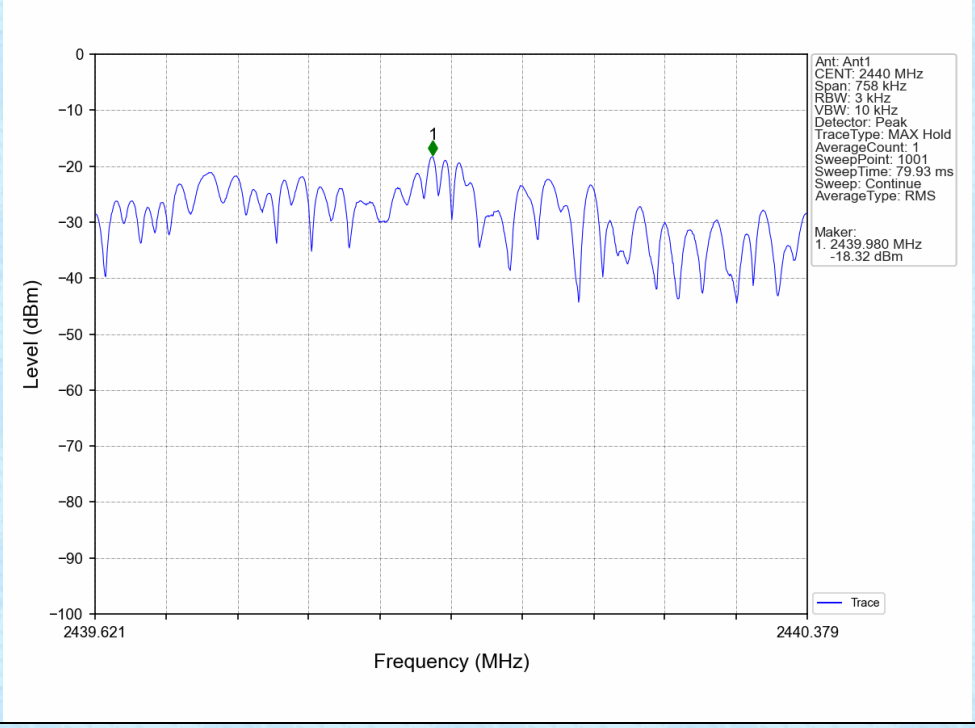
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	-19.26	<=8	Pass
		2440	-18.32	<=8	Pass
		2480	-17.64	<=8	Pass
GFSK-2M	SISO	2402	-21.85	<=8	Pass
		2440	-21.00	<=8	Pass
		2480	-20.31	<=8	Pass

4.2 Test Graph

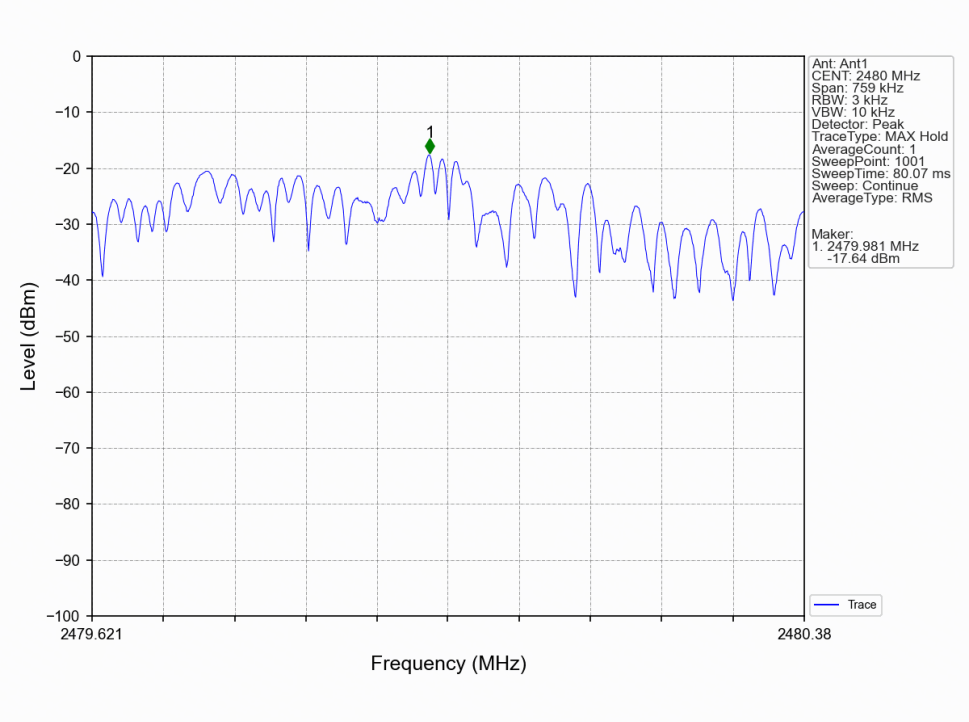
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



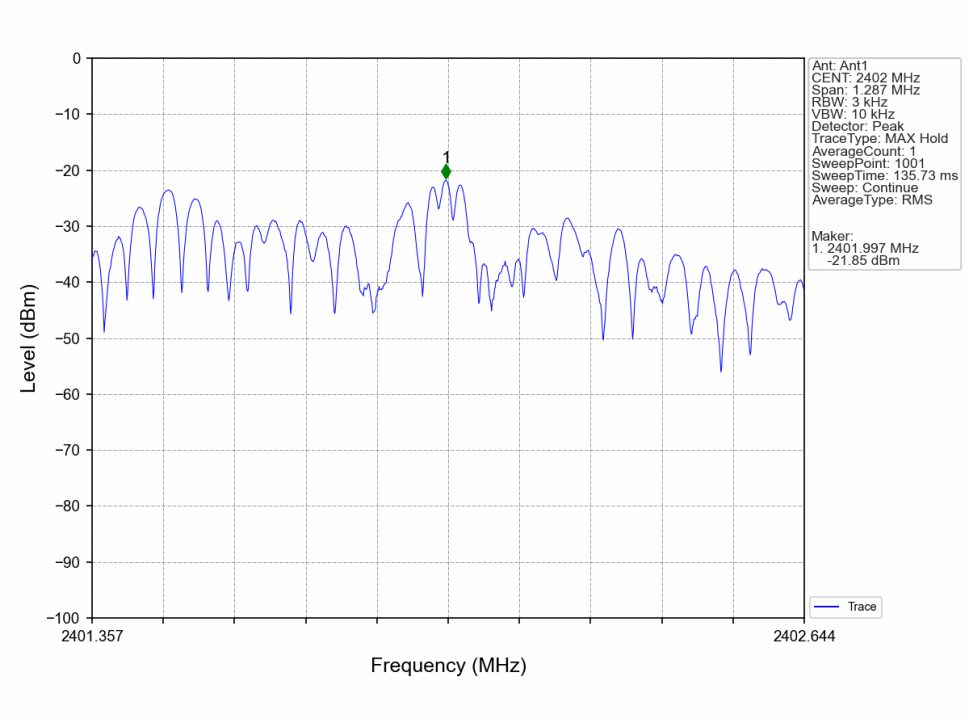
GFSK-1M_MCH_2440MHz_Ant1_NTNV



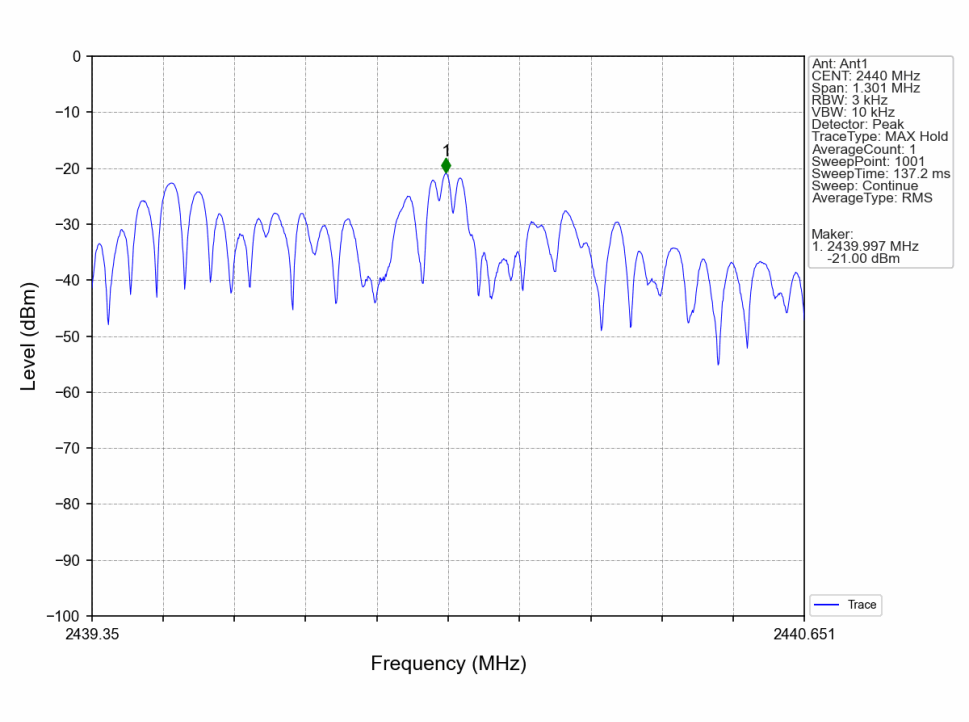
GFSK-1M_HCH_2480MHz_Ant1_NTNV



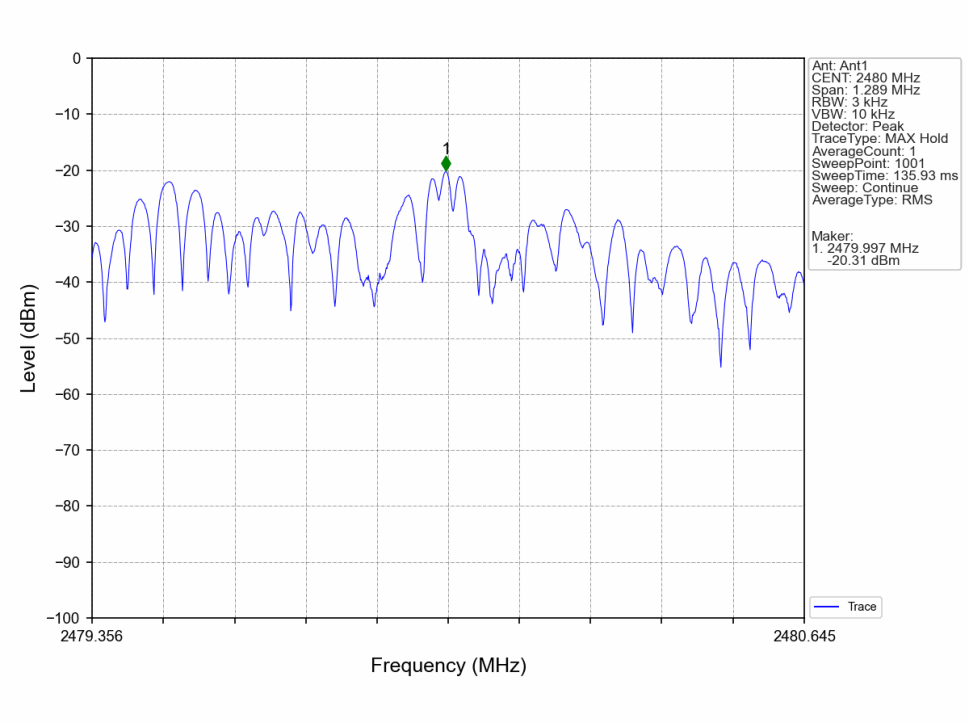
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



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-1M	SISO	2402	1	-1.26
		2440	1	-0.36
		2480	1	0.23
GFSK-2M	SISO	2402	1	-1.59
		2440	1	-0.66
		2480	1	-0.08
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.				

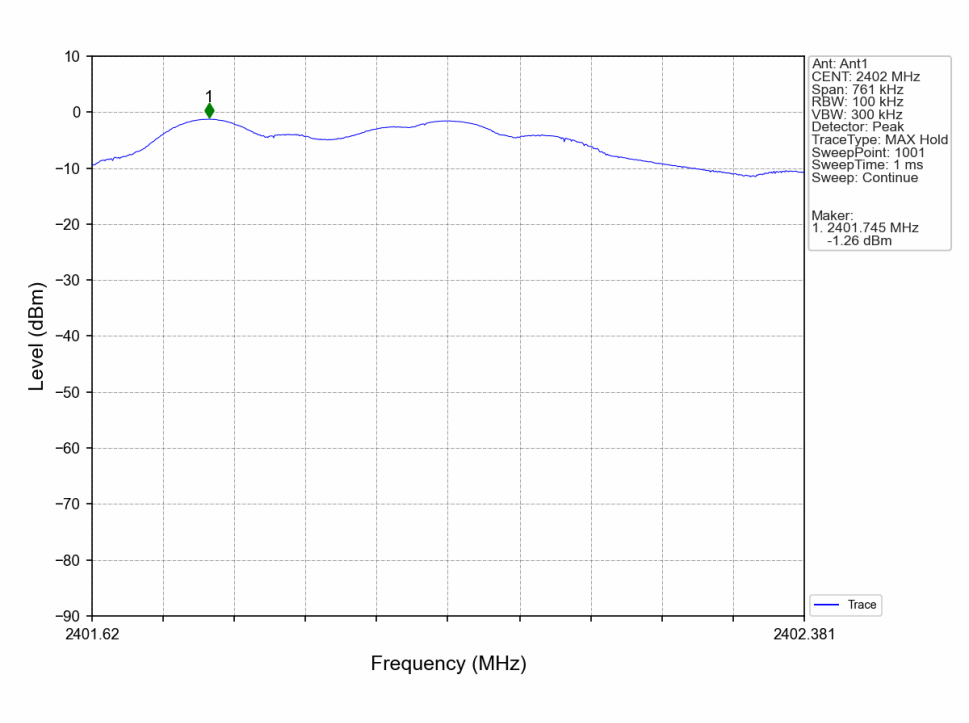
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK-1M	SISO	2402	1	0.23	-19.77	Pass
		2440	1	0.23	-19.77	Pass
		2480	1	0.23	-19.77	Pass
GFSK-2M	SISO	2402	1	-0.08	-20.08	Pass
		2440	1	-0.08	-20.08	Pass
		2480	1	-0.08	-20.08	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.						

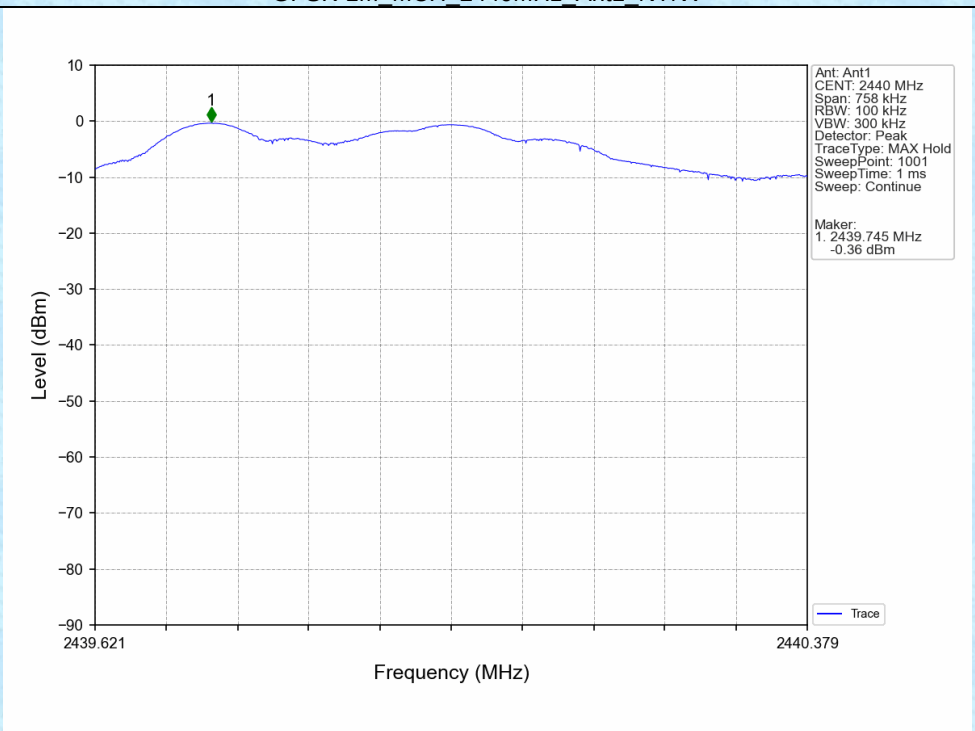
5.2 Test Graph

5.2.1 Ref

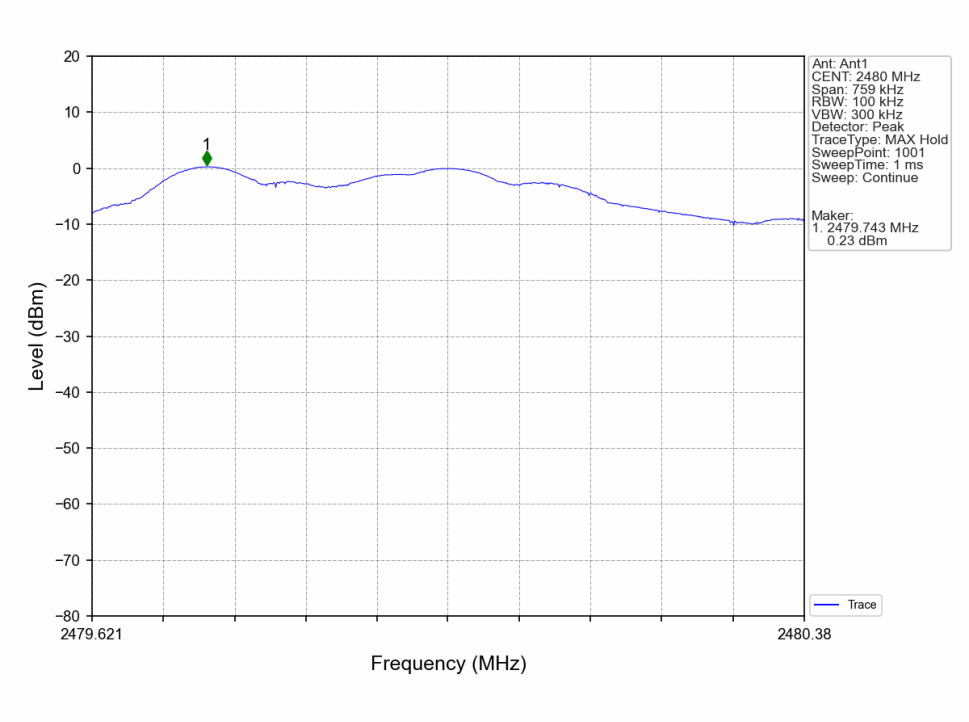
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



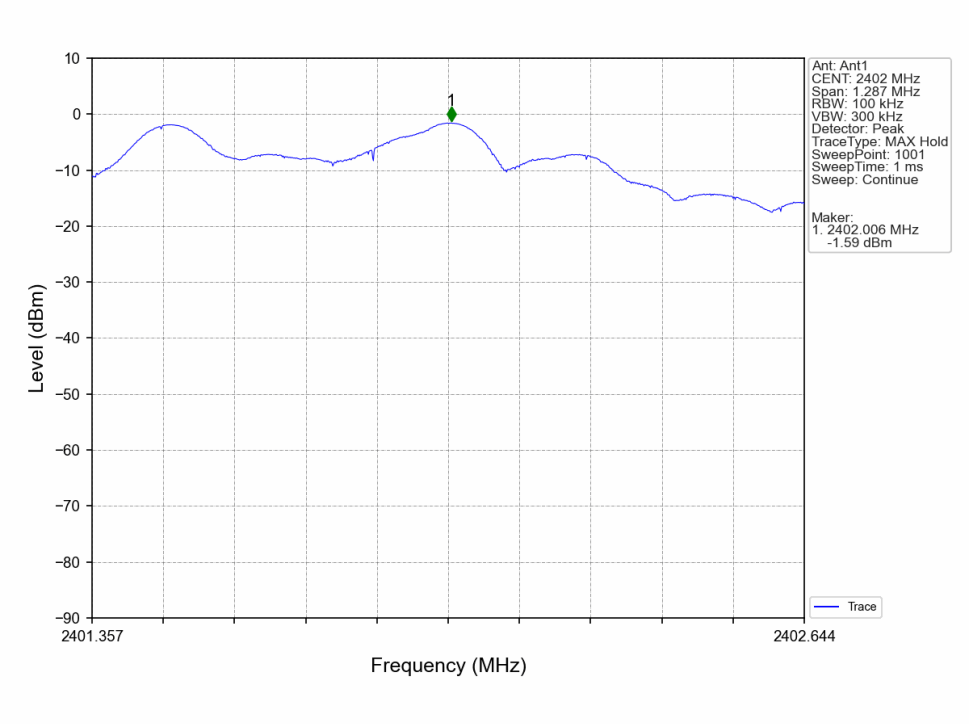
GFSK-1M_MCH_2440MHz_Ant1_NTNV



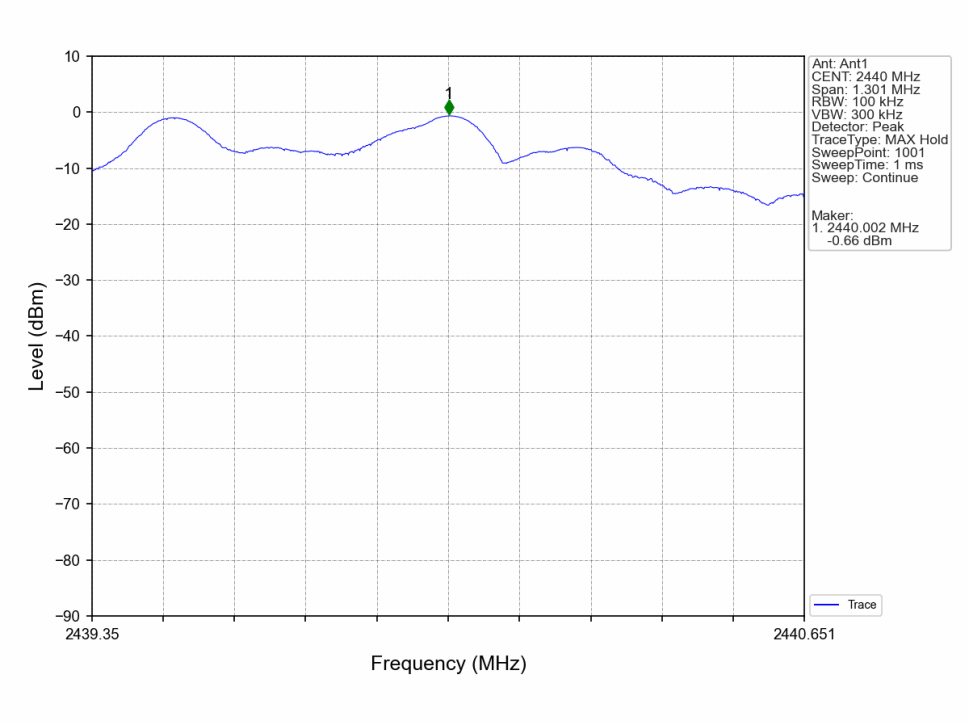
GFSK-1M_HCH_2480MHz_Ant1_NTNV



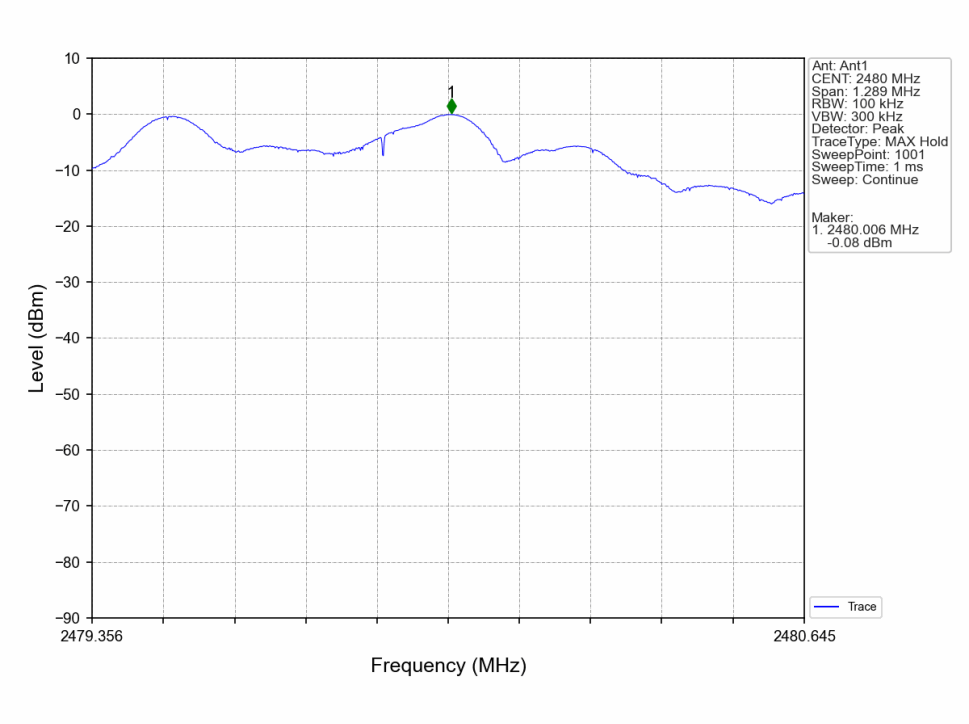
GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV

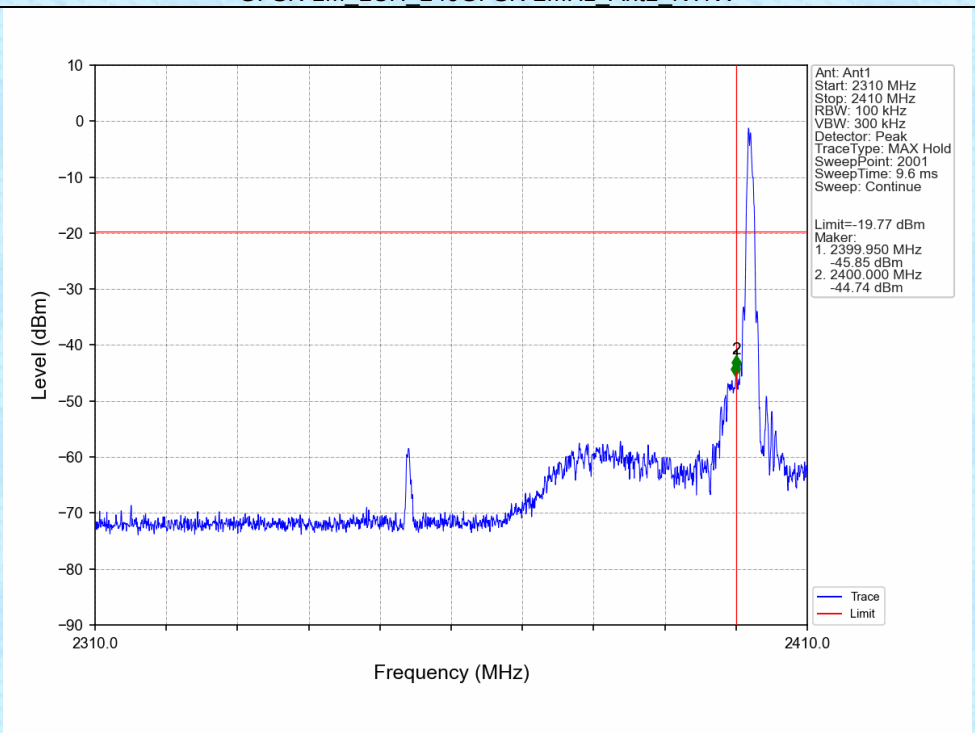


GFSK-2M_HCH_2480MHz_Ant1_NTNV

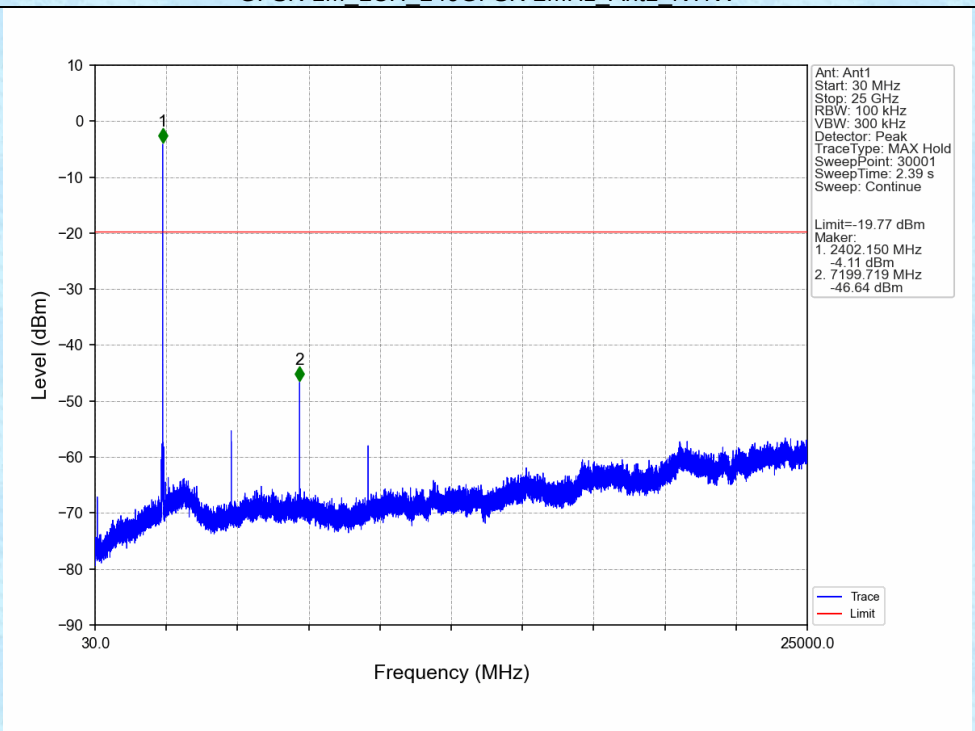


5.2.2 CSE

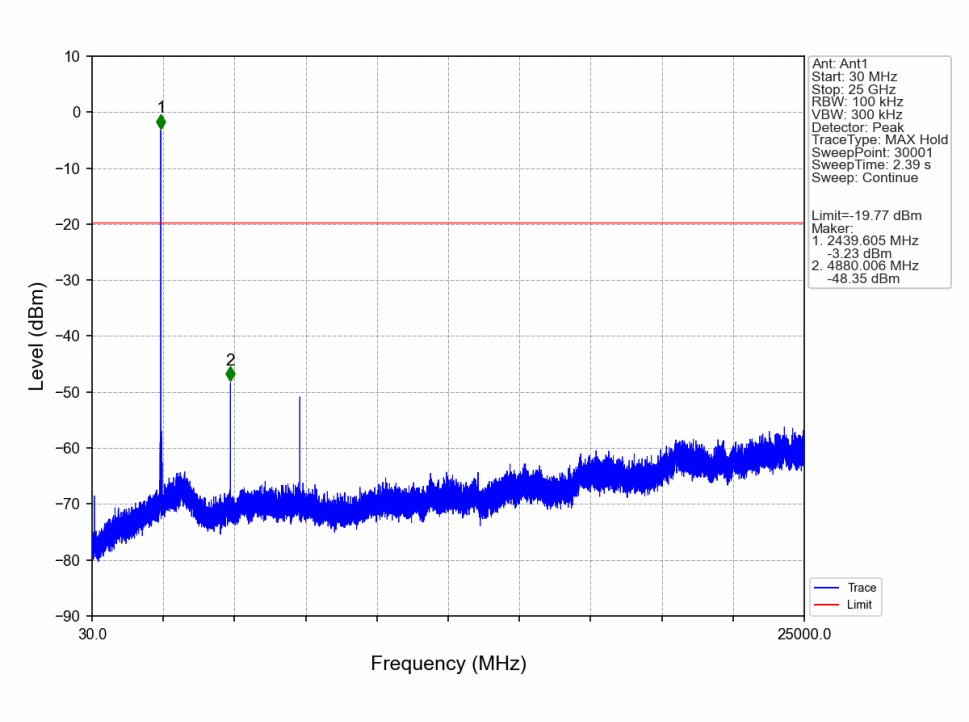
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



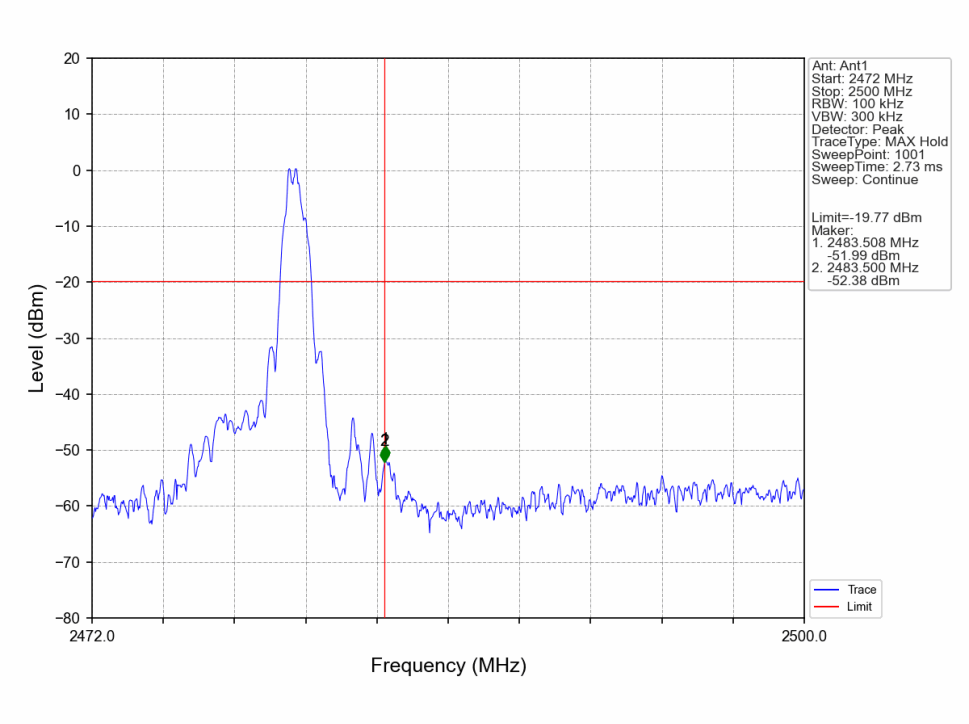
GFSK-1M_LCH_240GFSK-2MHz_Ant1_NTNV



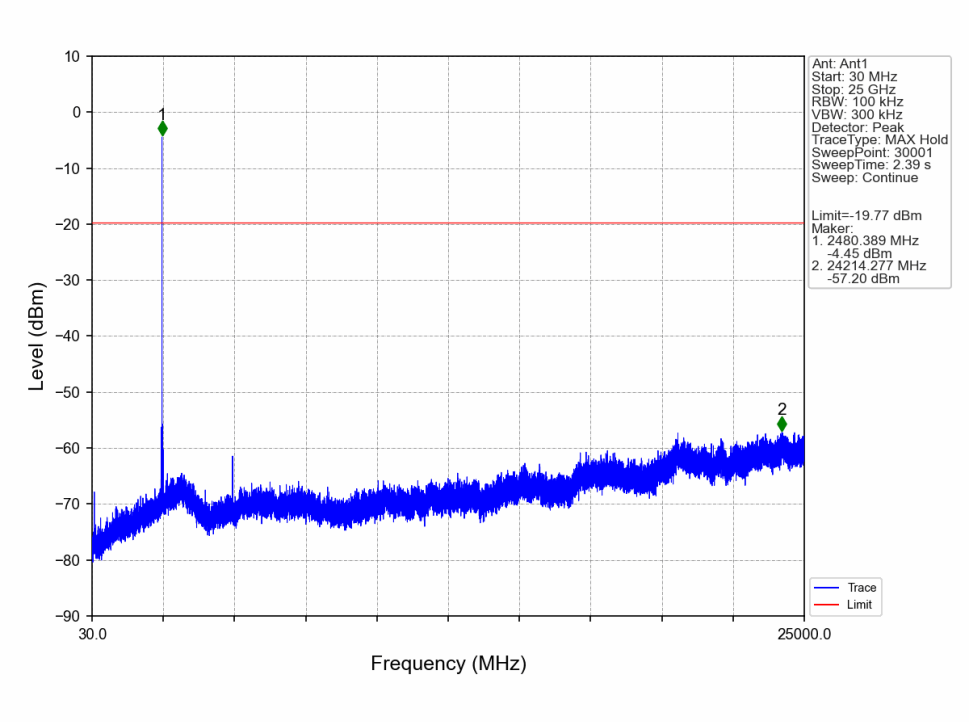
GFSK-1M_MCH_2440MHz_Ant1_NTNV



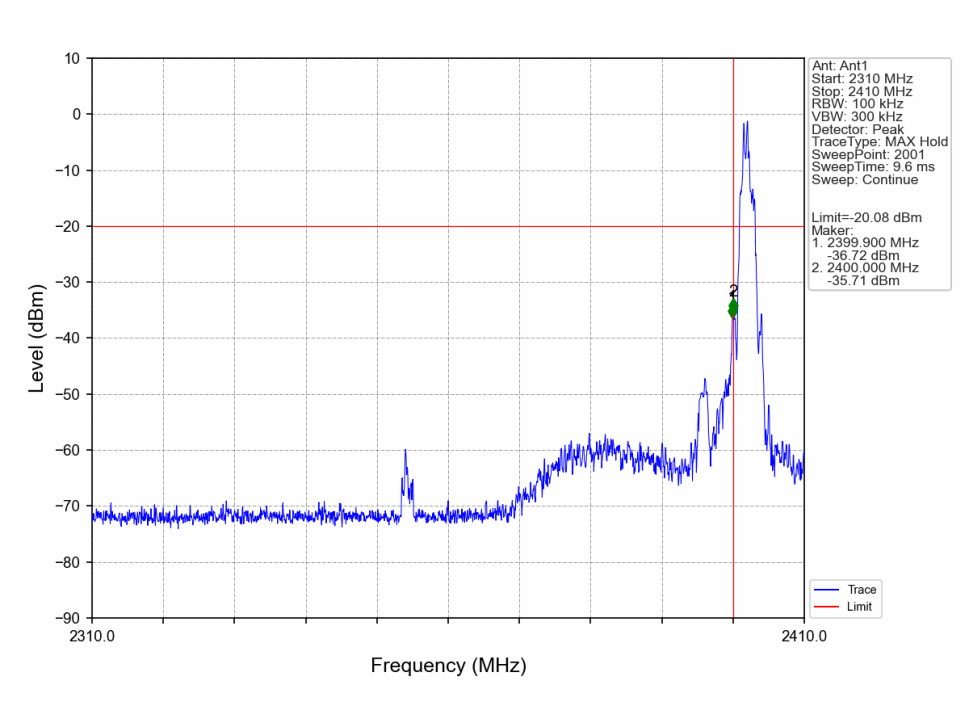
GFSK-1M_HCH_2480MHz_Ant1_NTNV



GFSK-1M_HCH_2480MHz_Ant1_NTNV



GFSK-2M_LCH_240GFSK-2MHz_Ant1_NTNV



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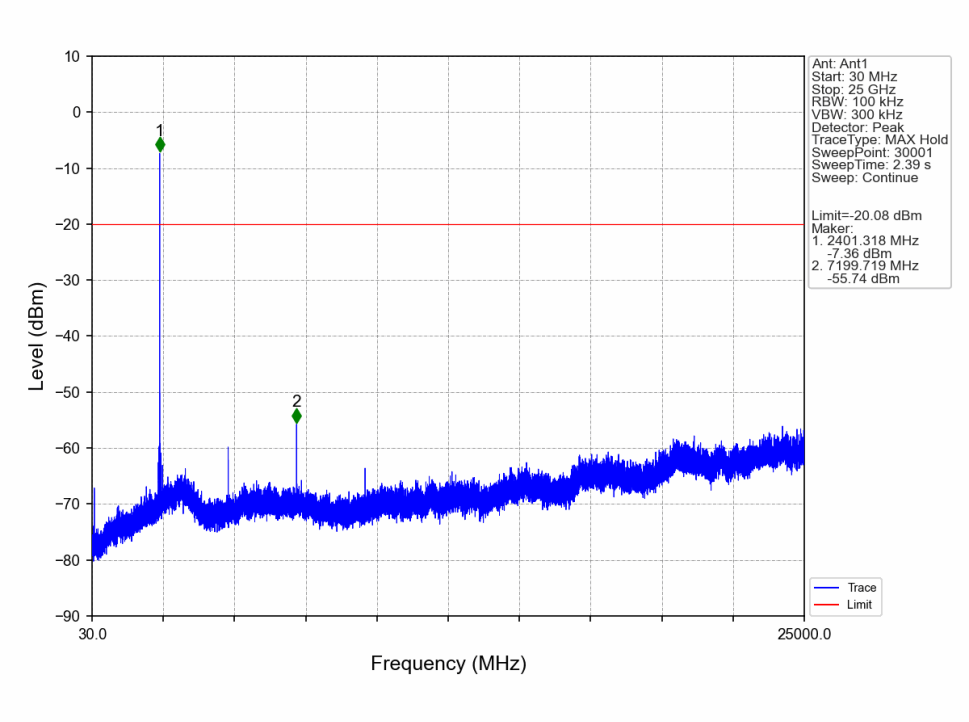

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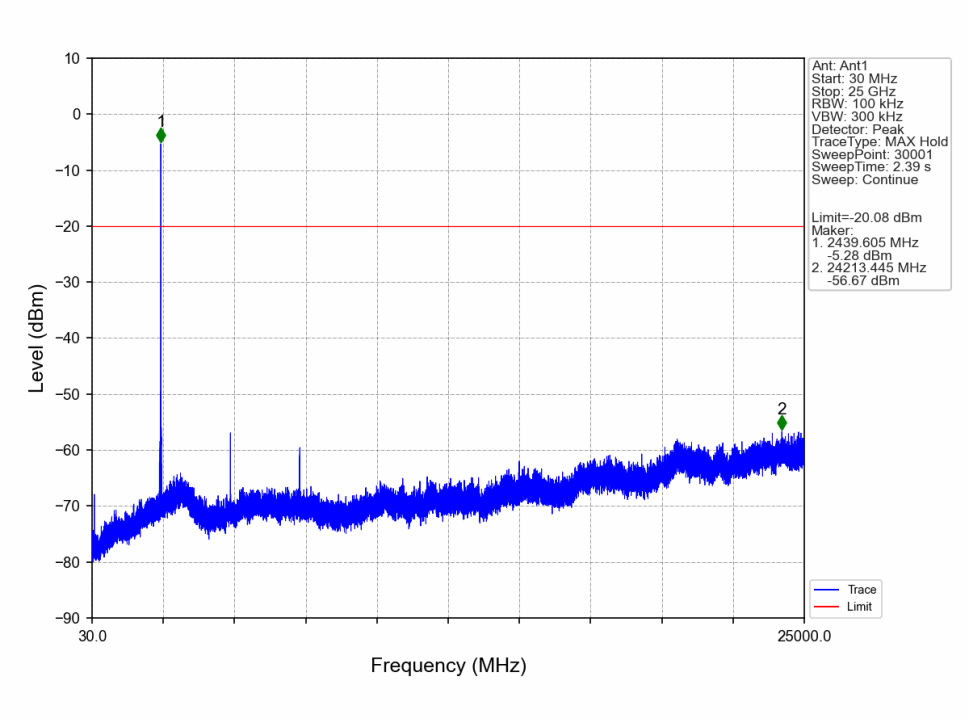

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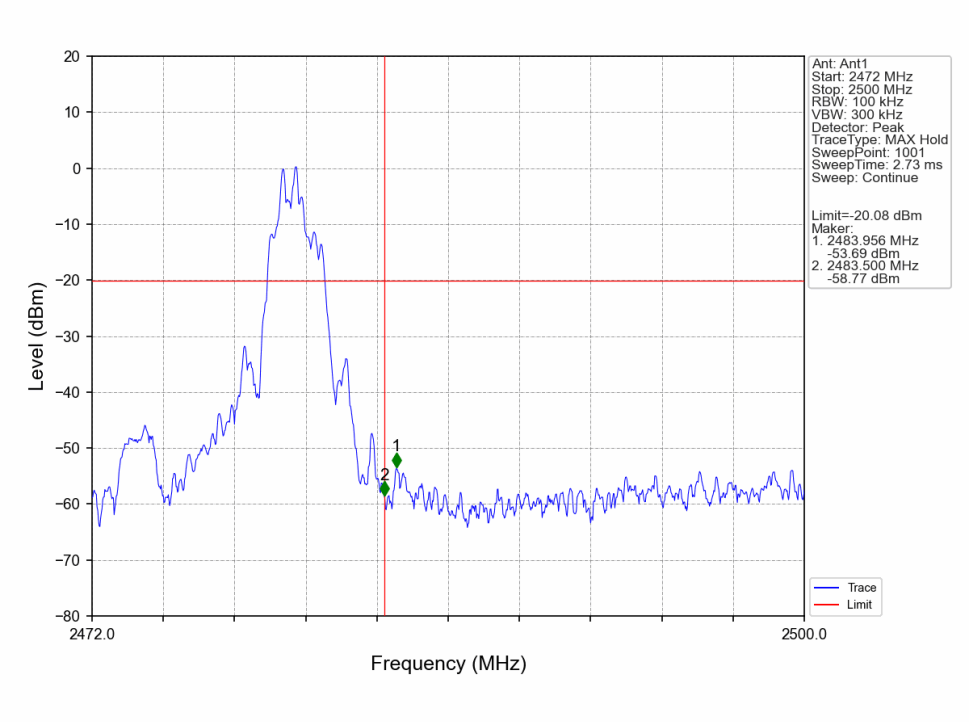

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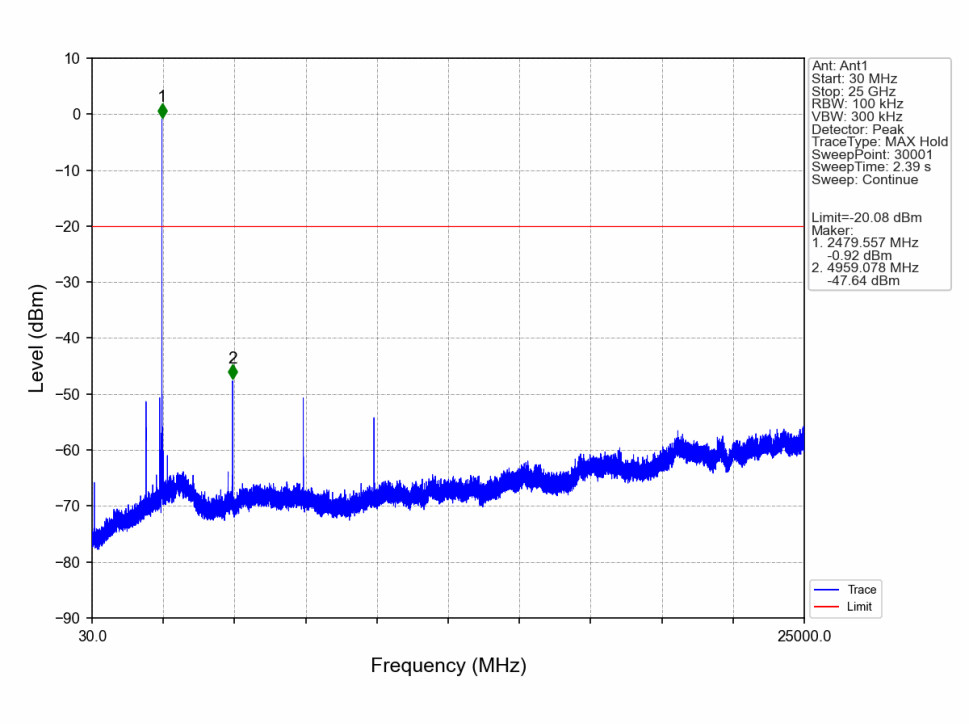

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