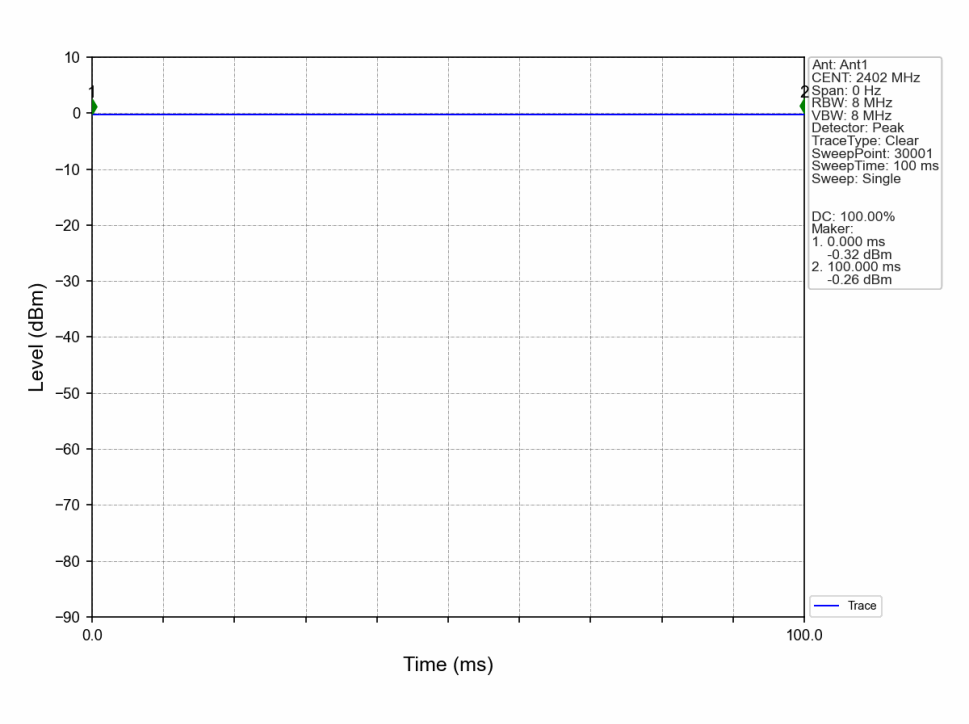
1. Duty Cycle

1.1 Test Result

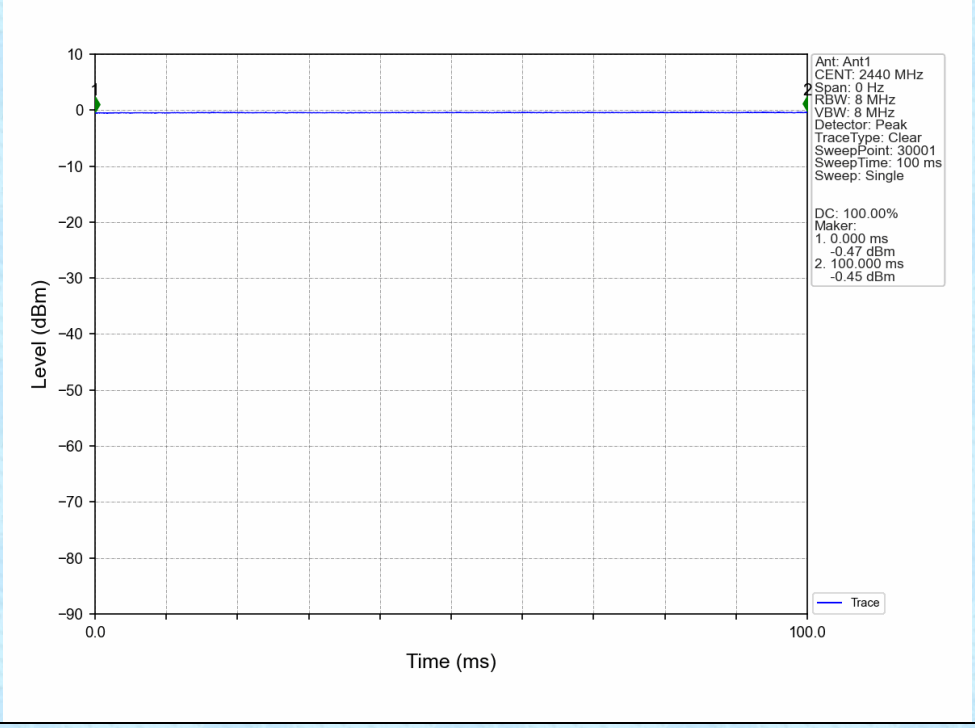
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK-1M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00
GFSK-2M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

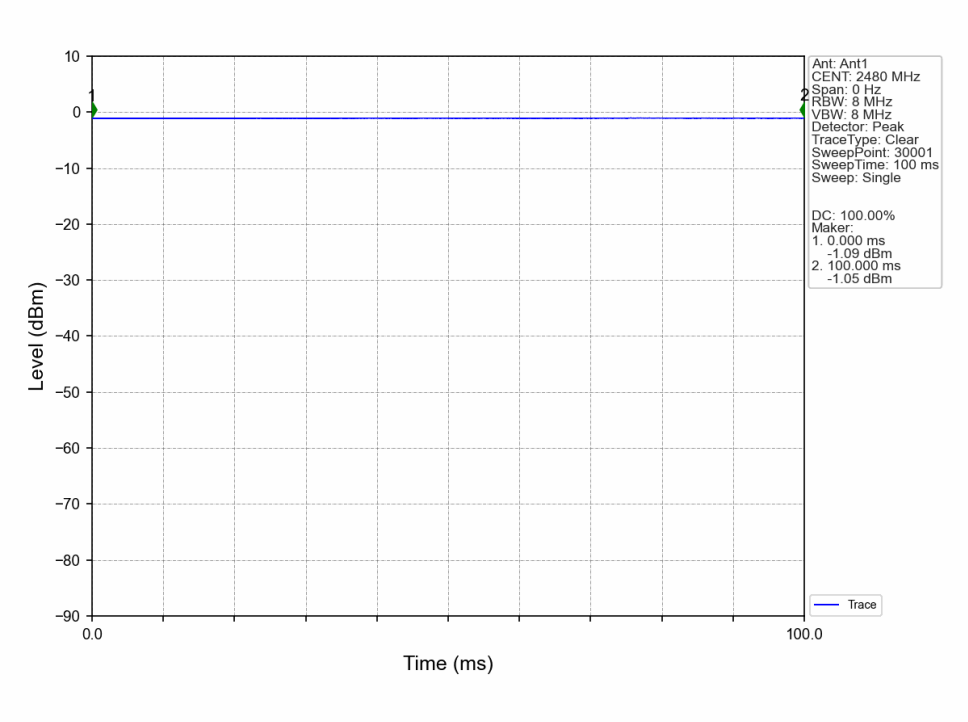
GFSK-1M_LCH_2402MHz_Ant1_NTNV



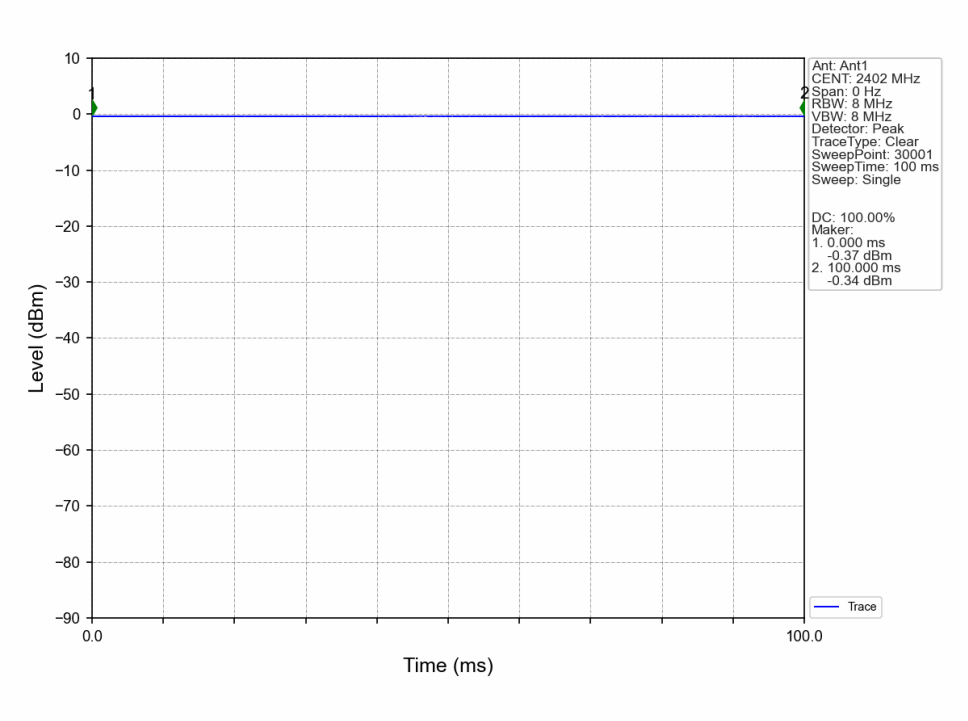
GFSK-1M_MCH_2440MHz_Ant1_NTNV



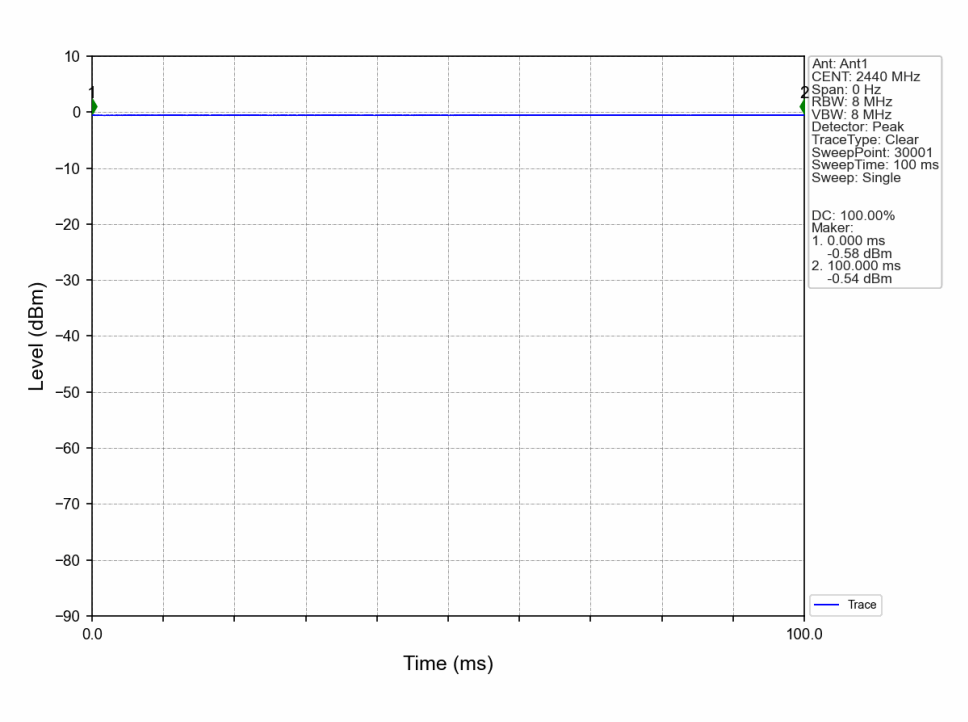
GFSK-1M_HCH_2480MHz_Ant1_NTNV



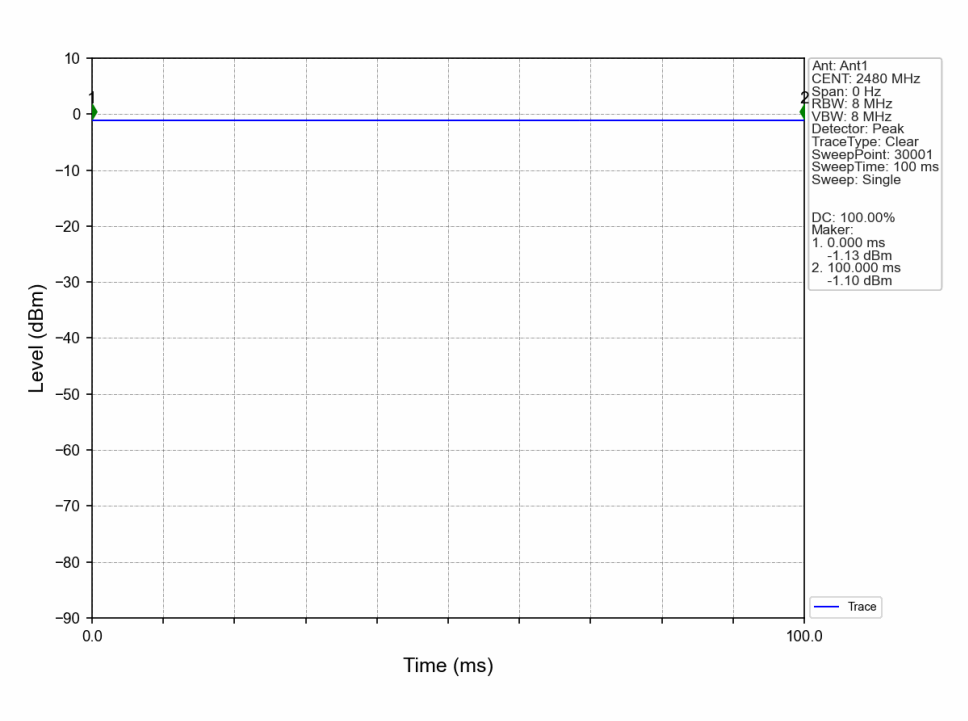
GFSK-2M_LCH_2402MHz_Ant1_NTNV



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	1.037	/	Pass
		2440	1	1.036	/	Pass
		2480	1	1.034	/	Pass
GFSK-2M	SISO	2402	1	2.066	/	Pass
		2440	1	2.071	/	Pass
		2480	1	2.063	/	Pass

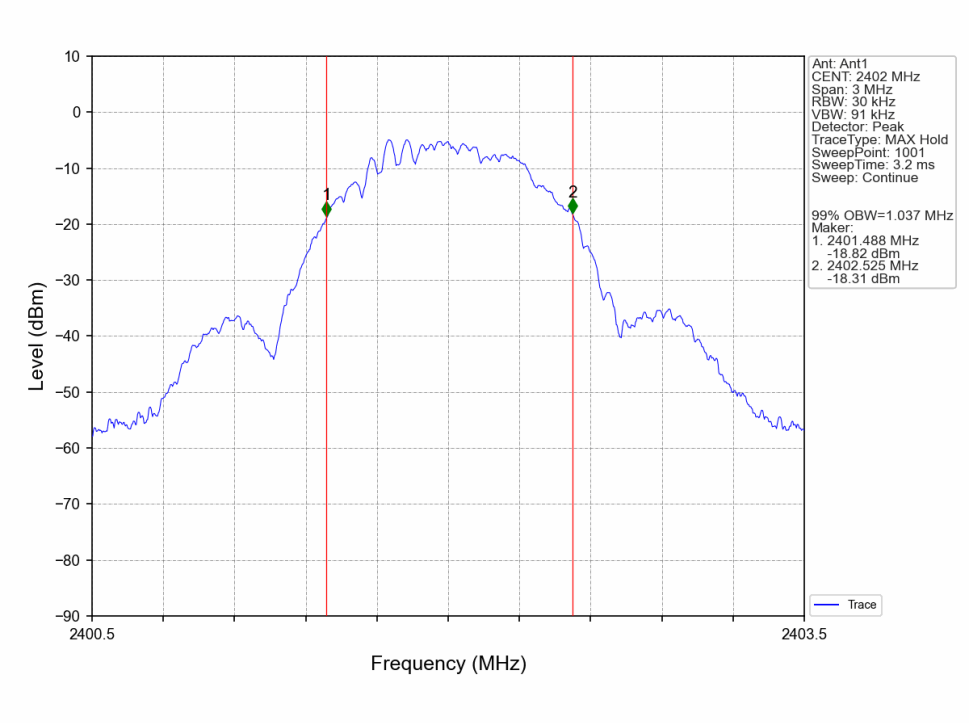
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK-1M	SISO	2402	1	0.717	>=0.5	Pass
		2440	1	0.718	>=0.5	Pass
		2480	1	0.729	>=0.5	Pass
GFSK-2M	SISO	2402	1	1.398	>=0.5	Pass
		2440	1	1.398	>=0.5	Pass
		2480	1	1.395	>=0.5	Pass

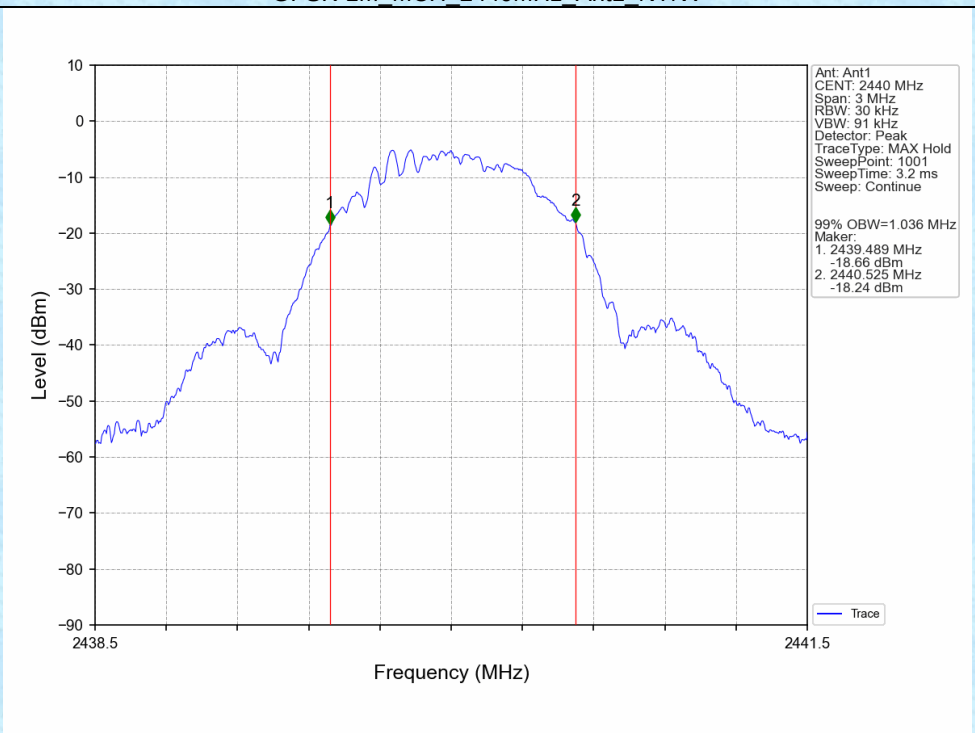
2.2 Test Graph

2.2.1 OBW

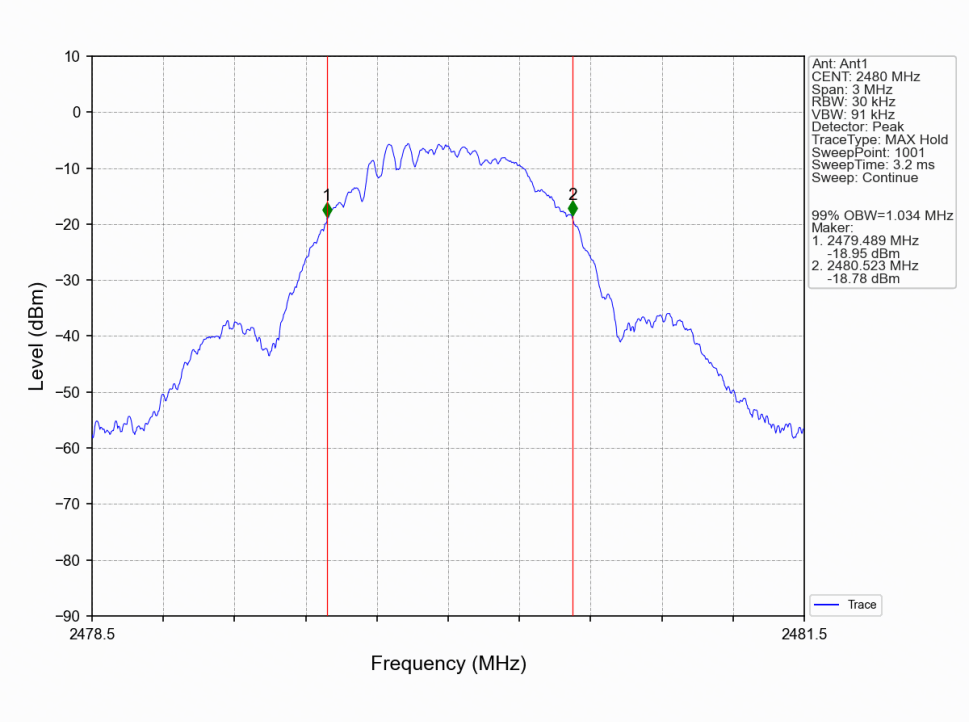
GFSK-1M_LCH_2402MHz_Ant1_NTNV



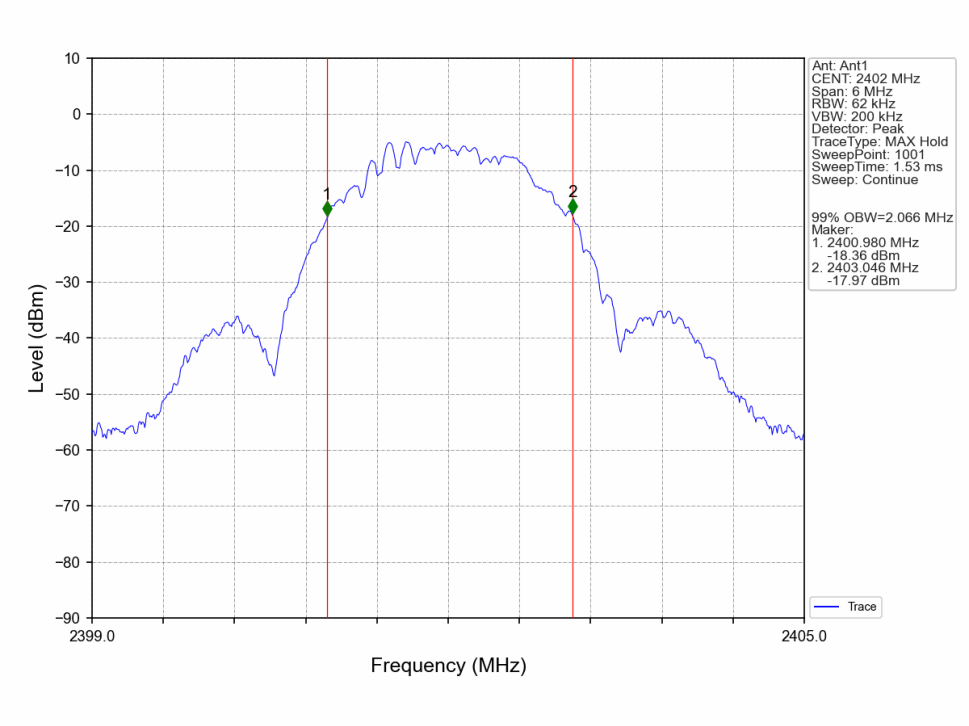
GFSK-1M_MCH_2440MHz_Ant1_NTNV



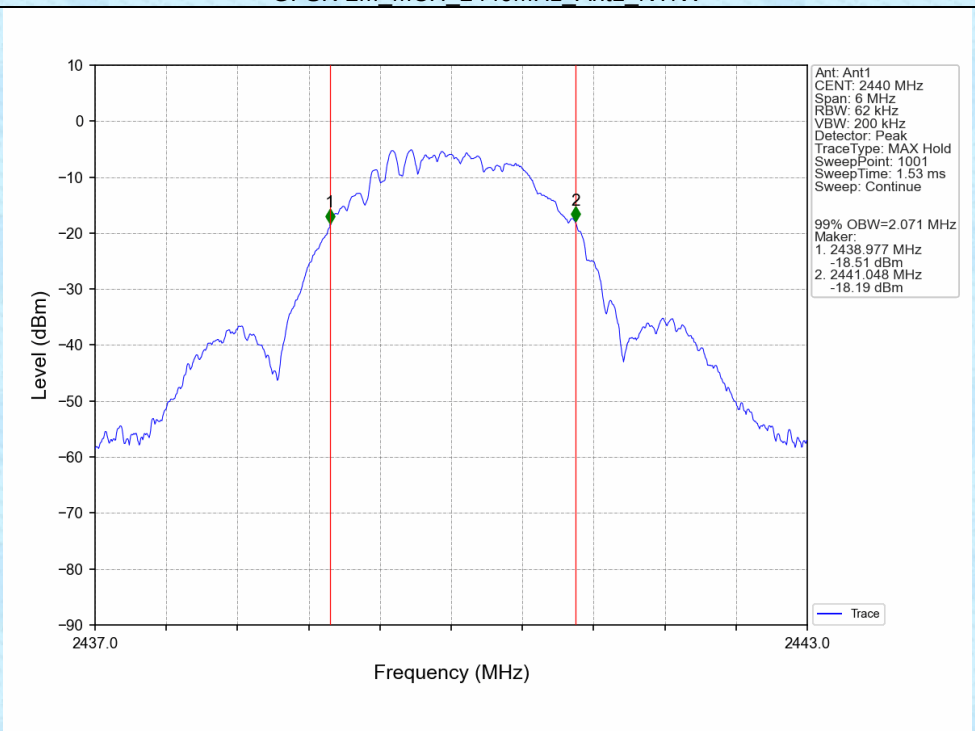
GFSK-1M_HCH_2480MHz_Ant1_NTNV



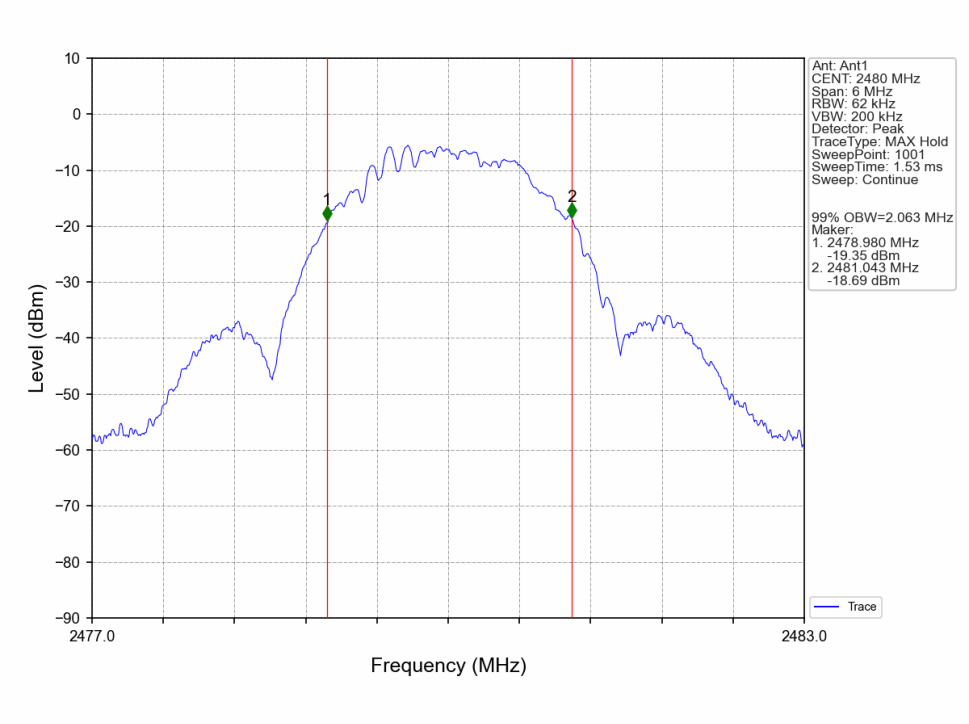
GFSK-2M_LCH_2402MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV

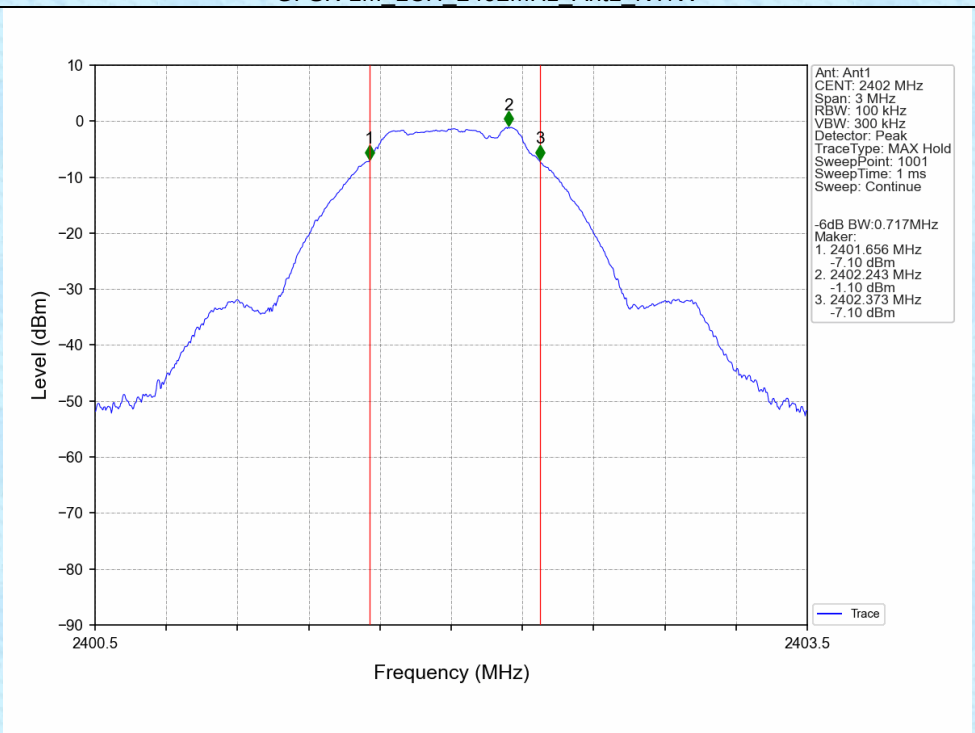


GFSK-2M_HCH_2480MHz_Ant1_NTNV

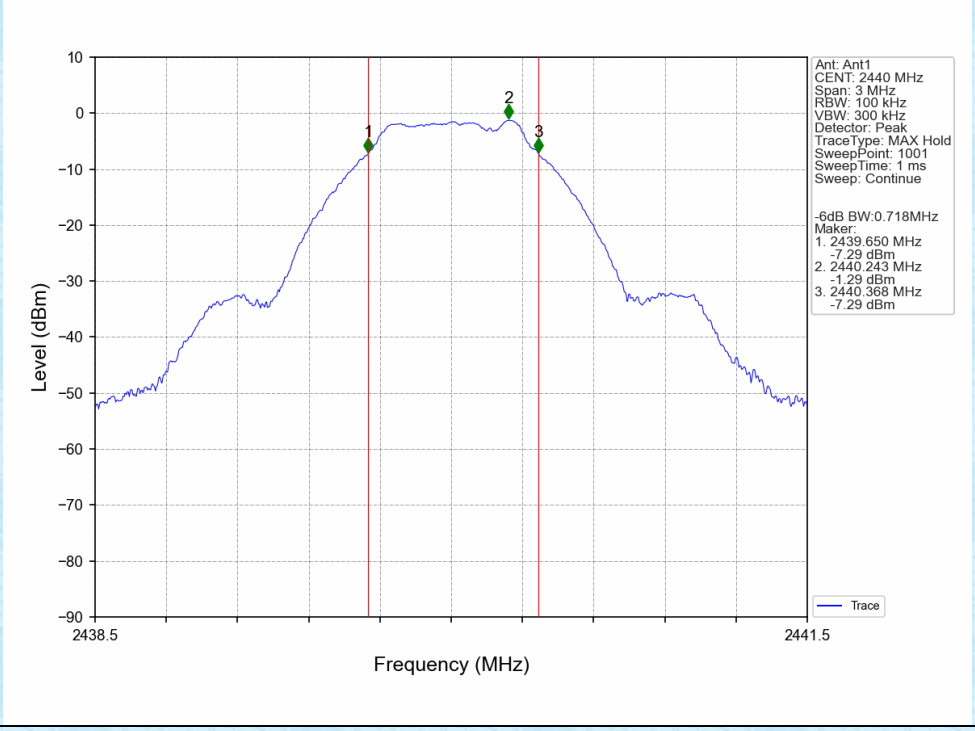


2.2.2 6dB BW

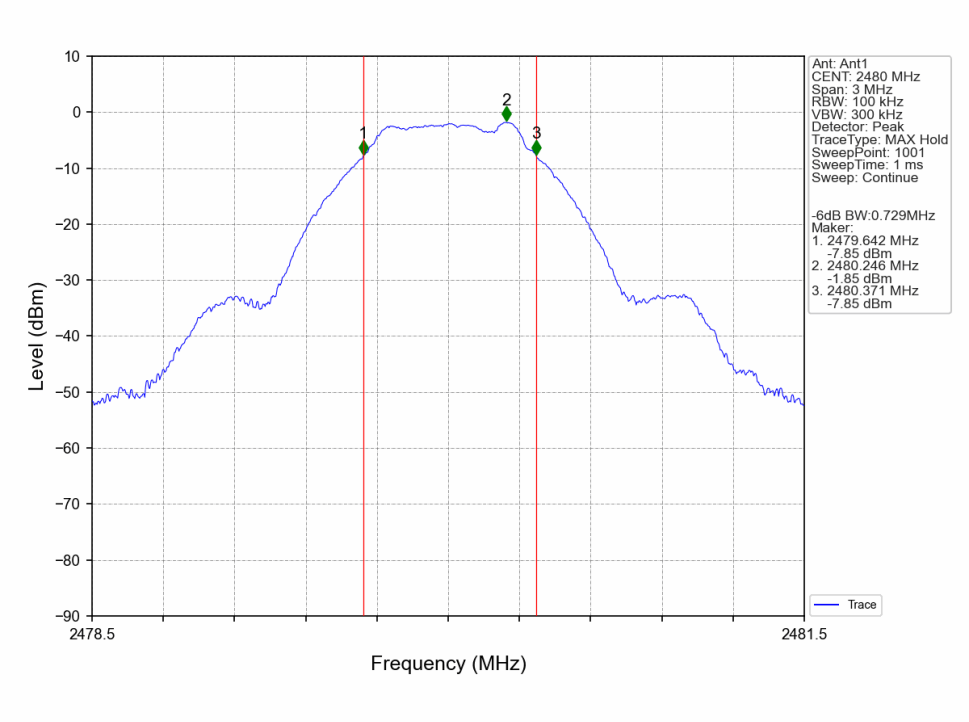
GFSK-1M_LCH_2402MHz_Ant1_NTNV



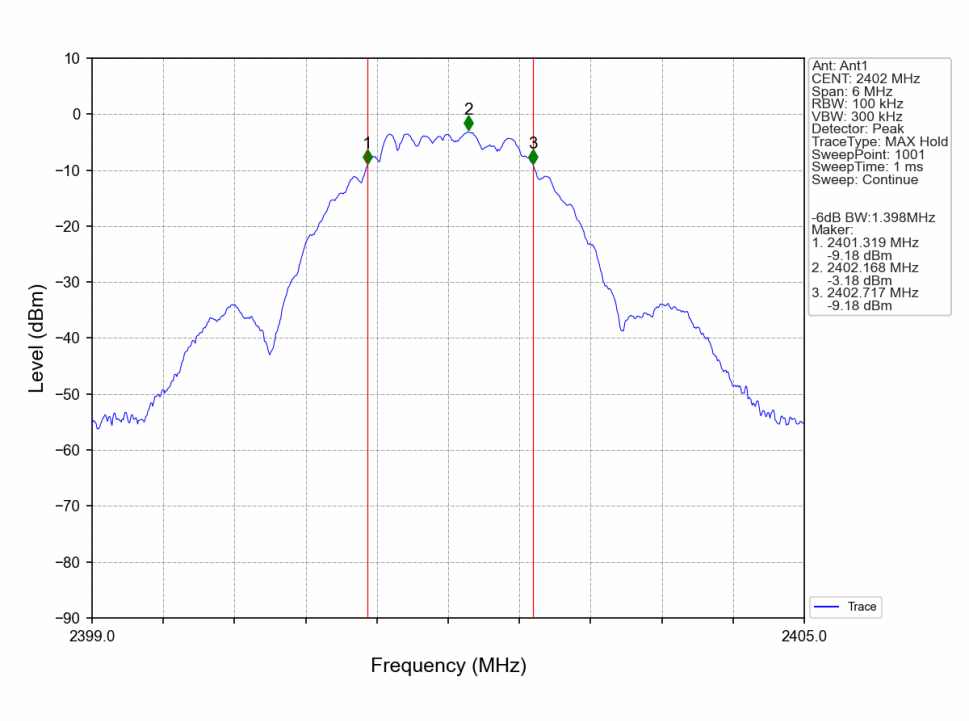
GFSK-1M_MCH_2440MHz_Ant1_NTNV



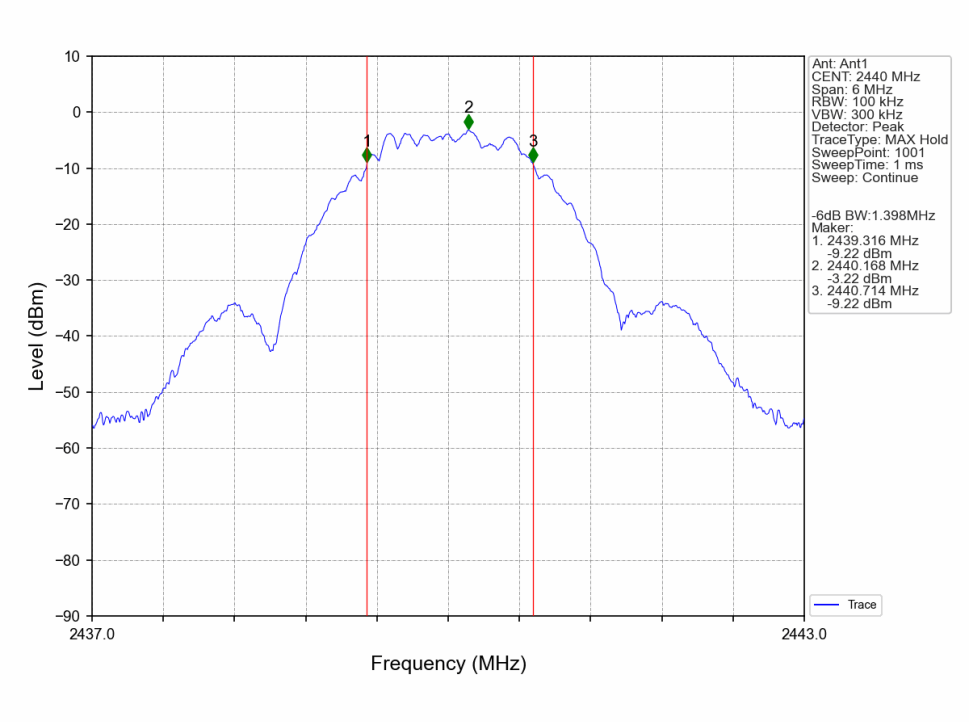
GFSK-1M_HCH_2480MHz_Ant1_NTNV



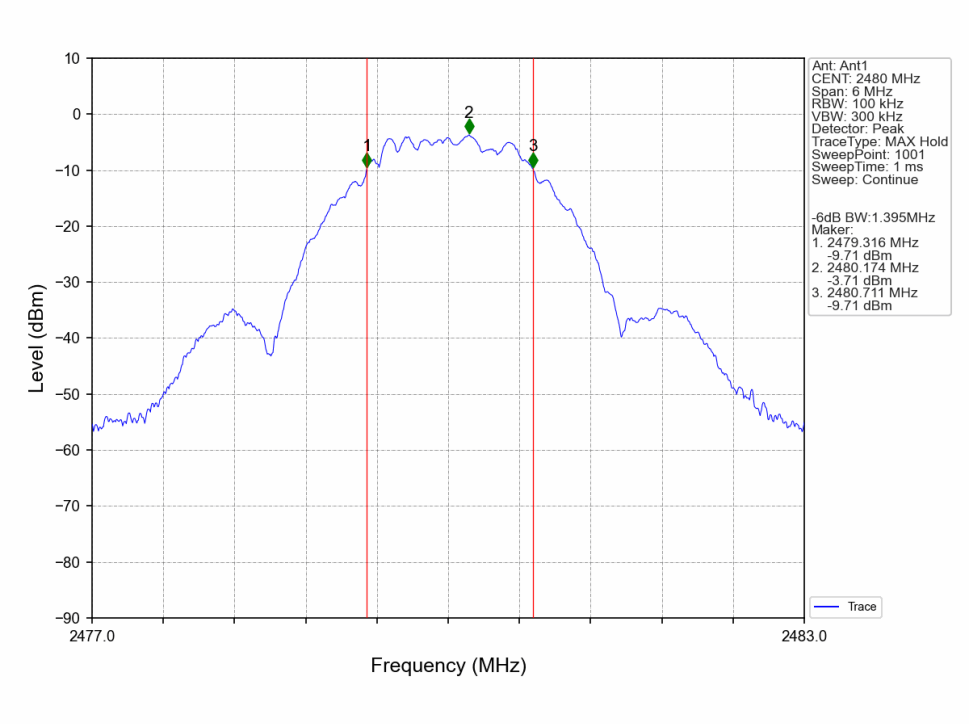
GFSK-2M_LCH_2402MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



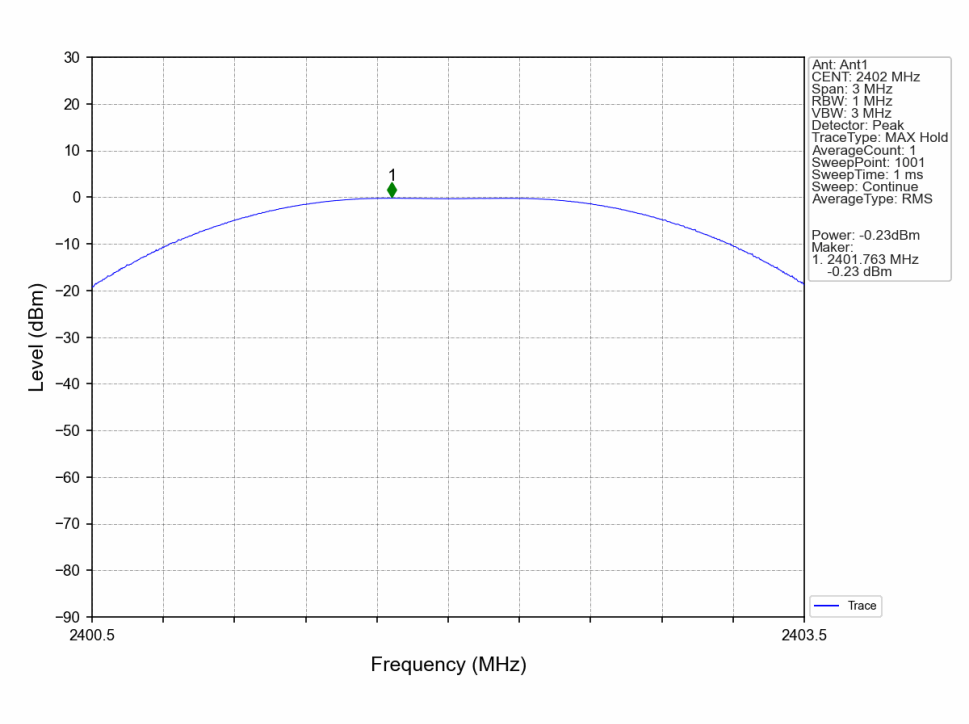
3. Maximum Conducted Output Power

3.1 Test Result

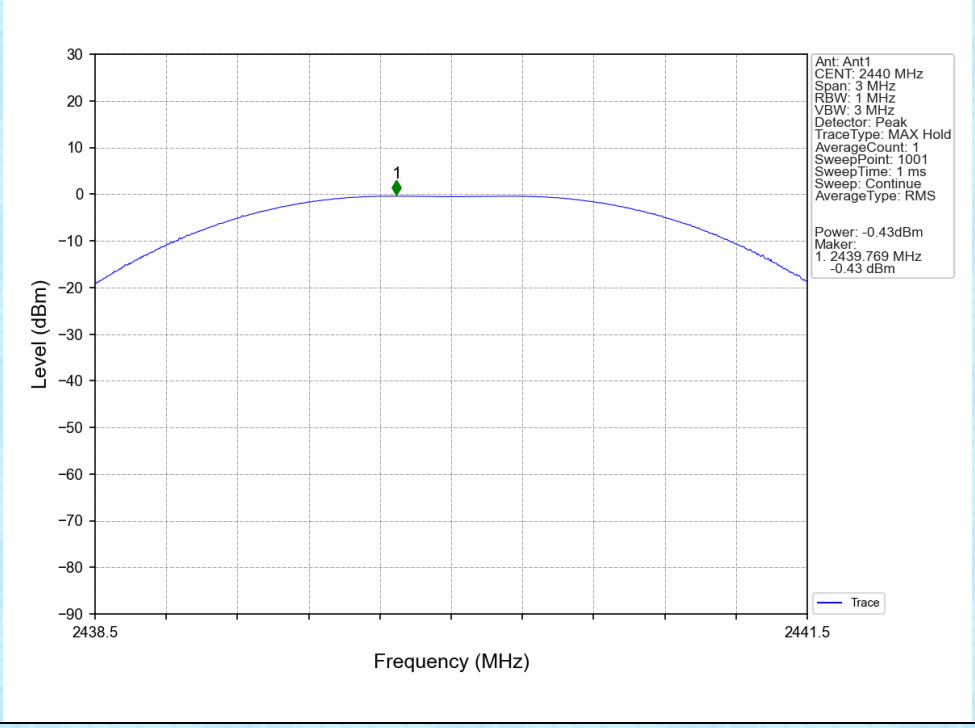
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	-0.23	<=30	Pass
		2440	-0.43	<=30	Pass
		2480	-0.96	<=30	Pass
GFSK-2M	SISO	2402	-0.30	<=30	Pass
		2440	-0.50	<=30	Pass
		2480	-1.01	<=30	Pass

3.2 Test Graph

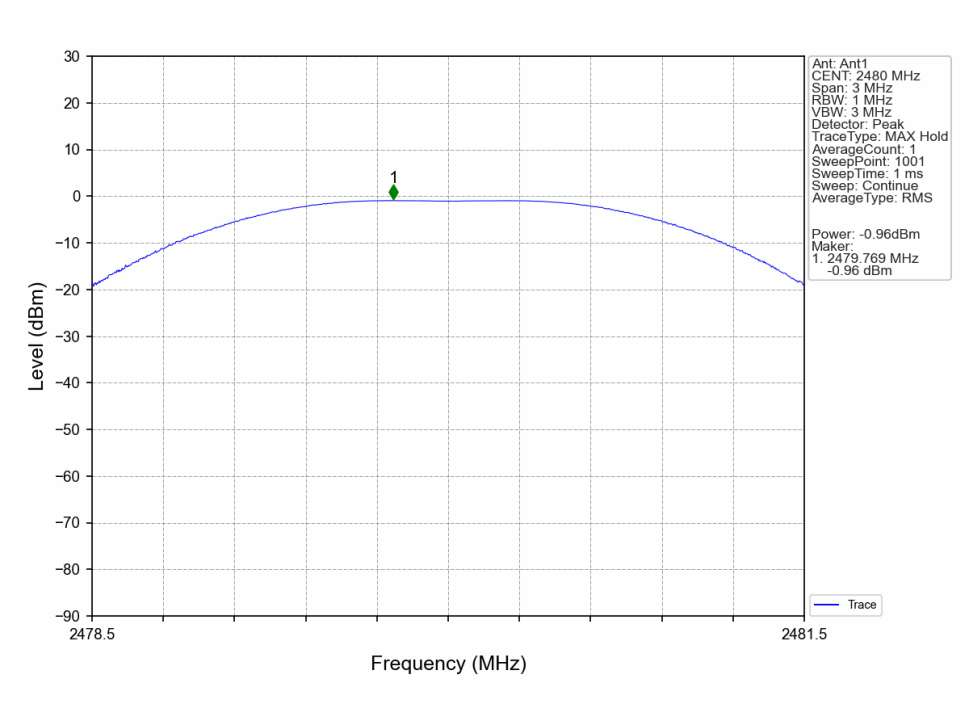
GFSK-1M_LCH_2402MHz_Ant1_NTNV



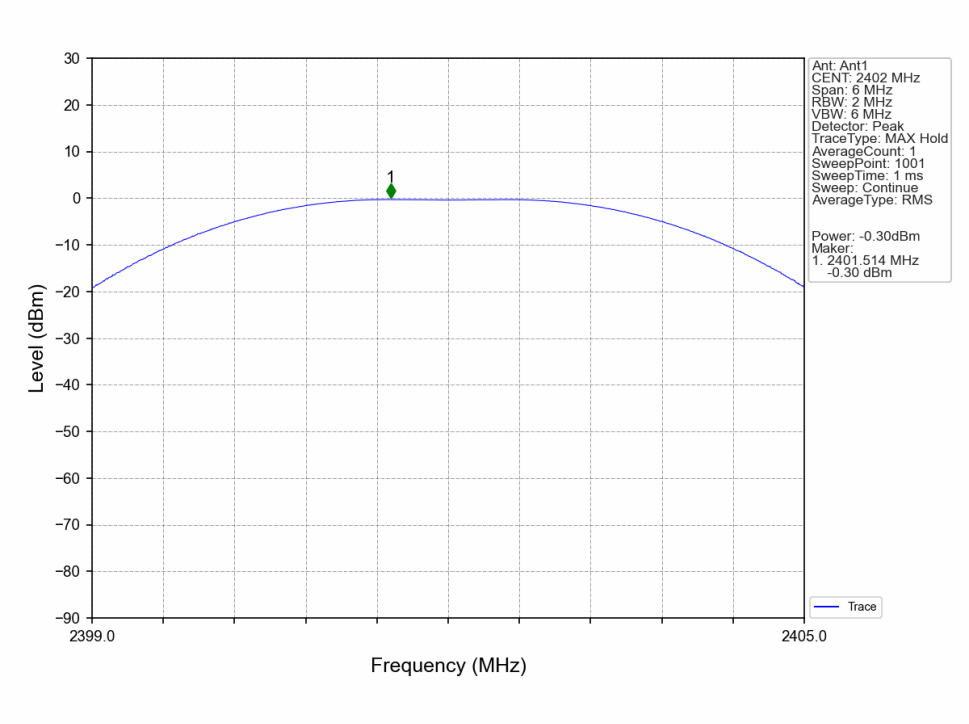
GFSK-1M_MCH_2440MHz_Ant1_NTNV



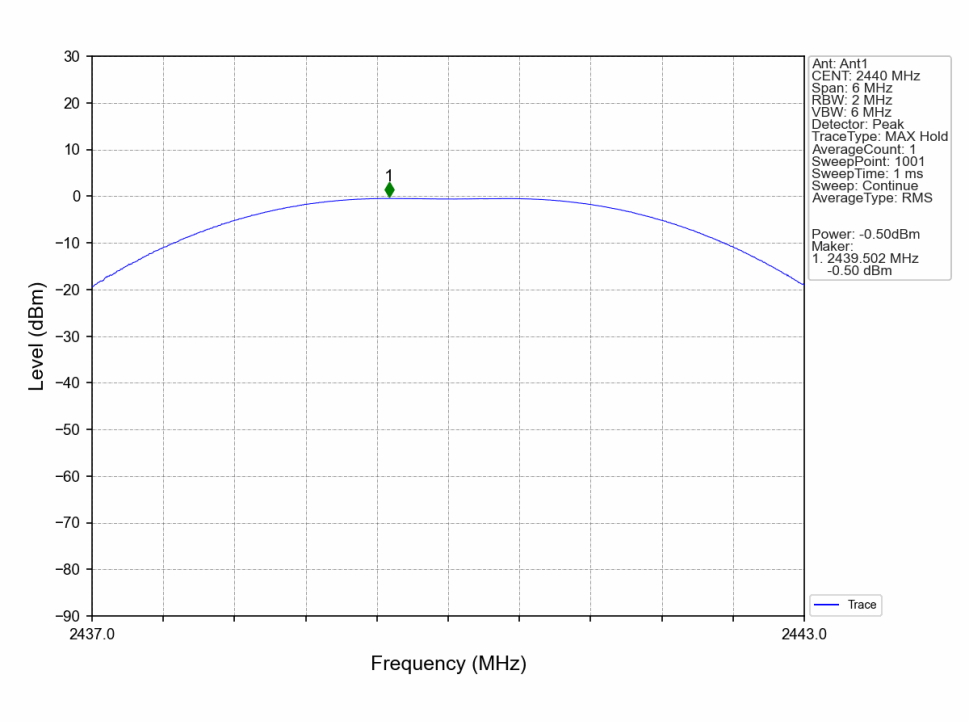
GFSK-1M_HCH_2480MHz_Ant1_NTNV



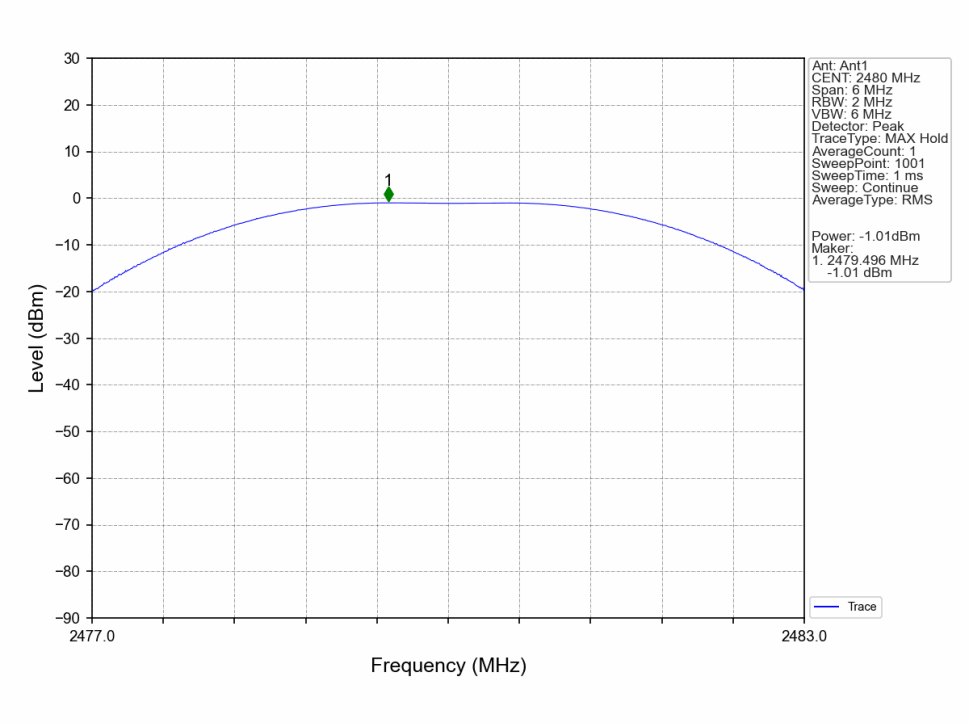
GFSK-2M_LCH_2402MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV



GFSK-2M_HCH_2480MHz_Ant1_NTNV



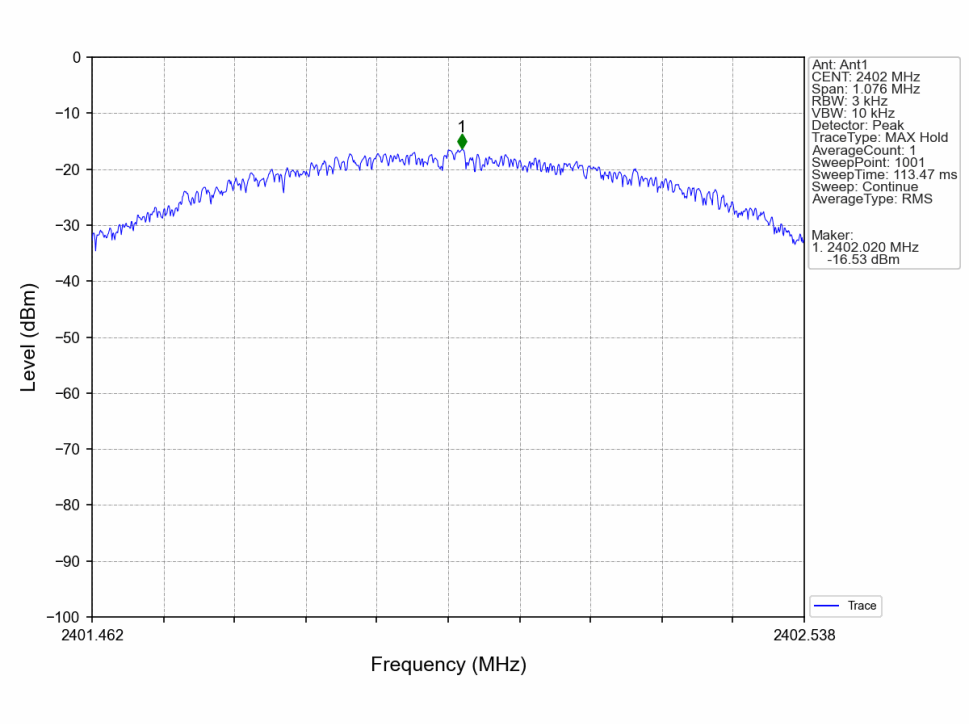
4. Maximum Power Spectral Density

4.1 Test Result

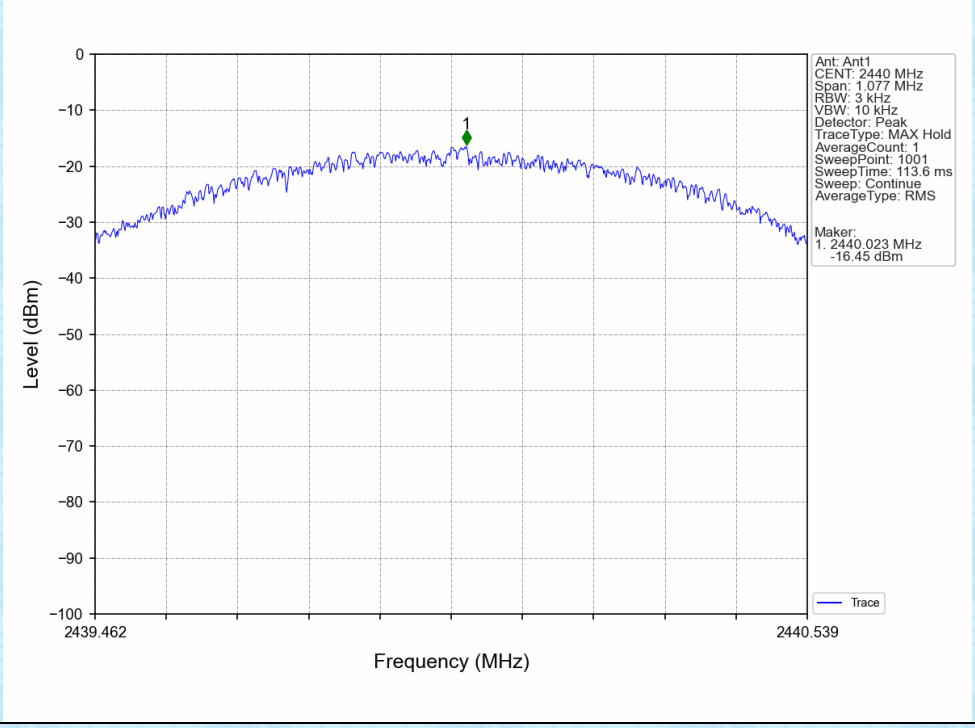
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK-1M	SISO	2402	-16.53	<=8	Pass
		2440	-16.45	<=8	Pass
		2480	-16.65	<=8	Pass
GFSK-2M	SISO	2402	-21.90	<=8	Pass
		2440	-21.85	<=8	Pass
		2480	-22.39	<=8	Pass

4.2 Test Graph

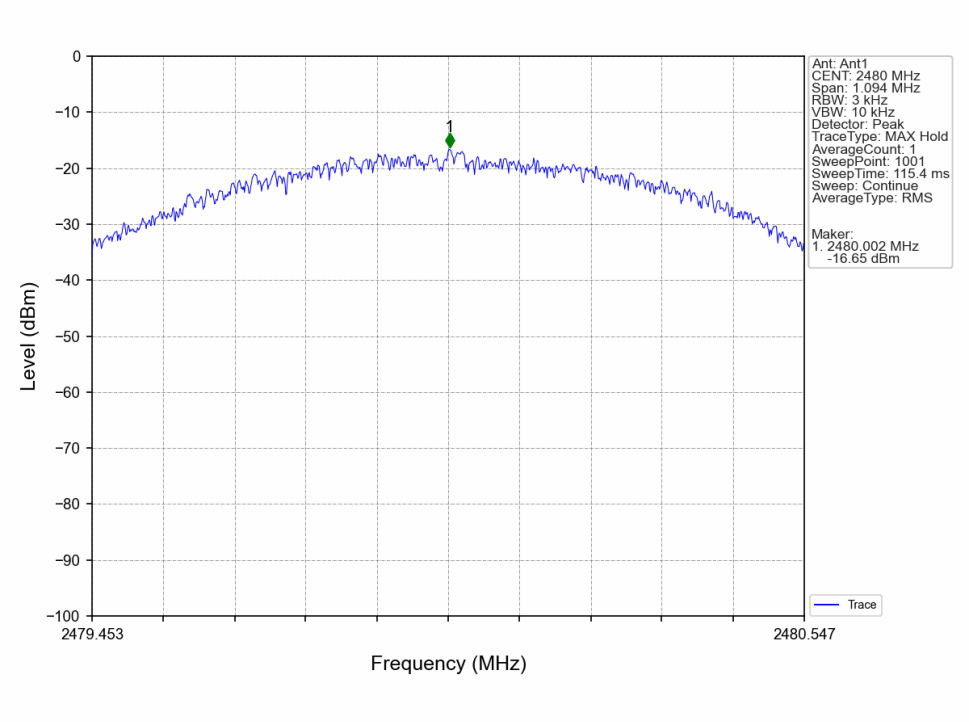
GFSK-1M_LCH_2402MHz_Ant1_NTNV



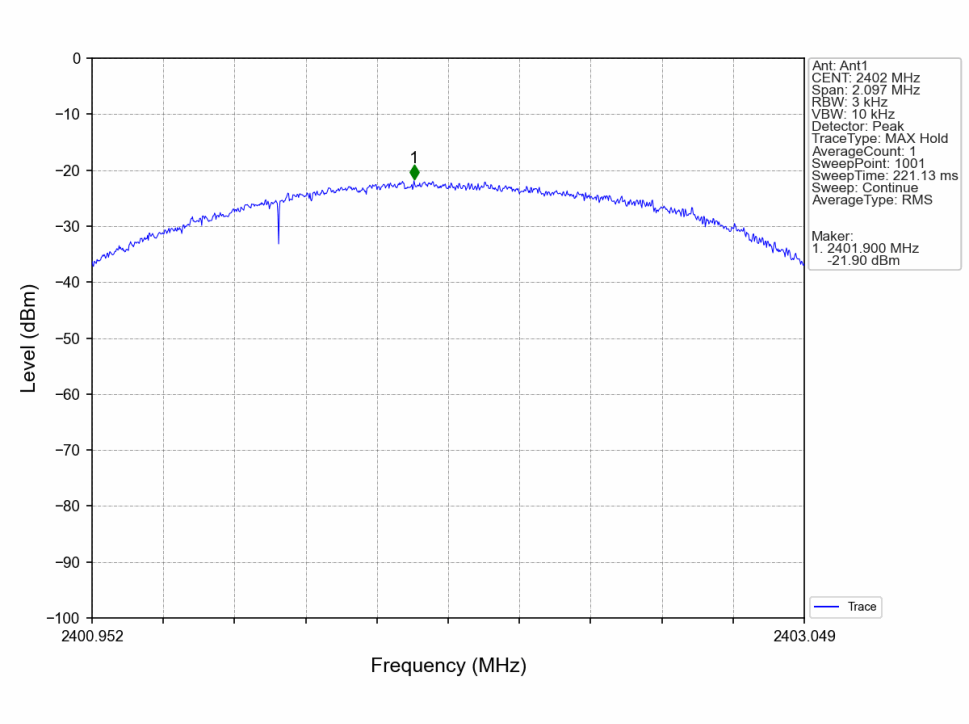
GFSK-1M_MCH_2440MHz_Ant1_NTNV



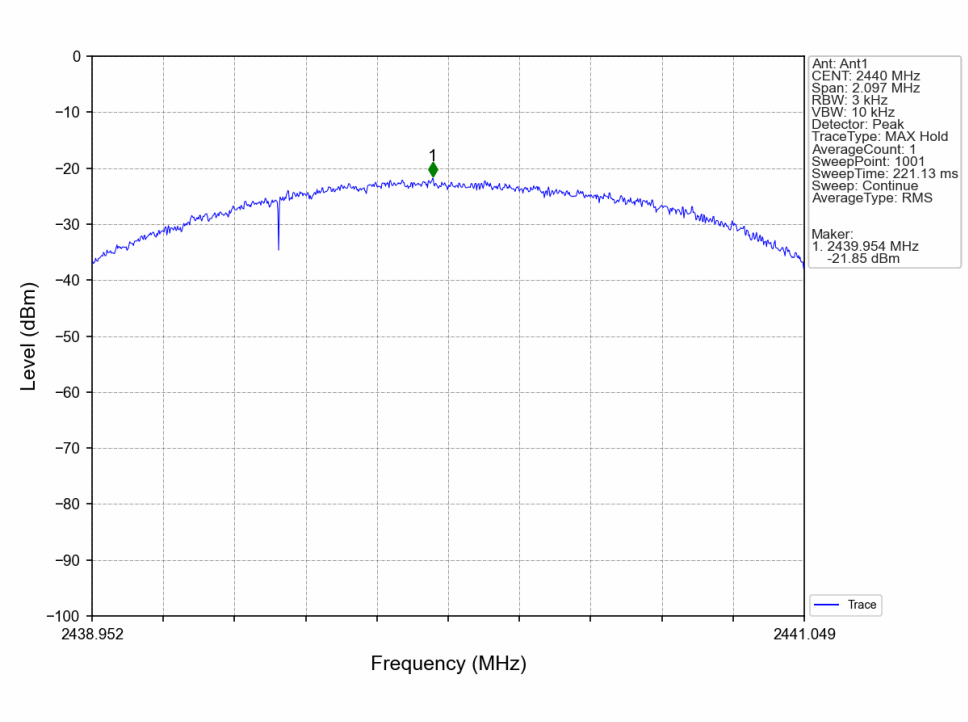
GFSK-1M_HCH_2480MHz_Ant1_NTNV



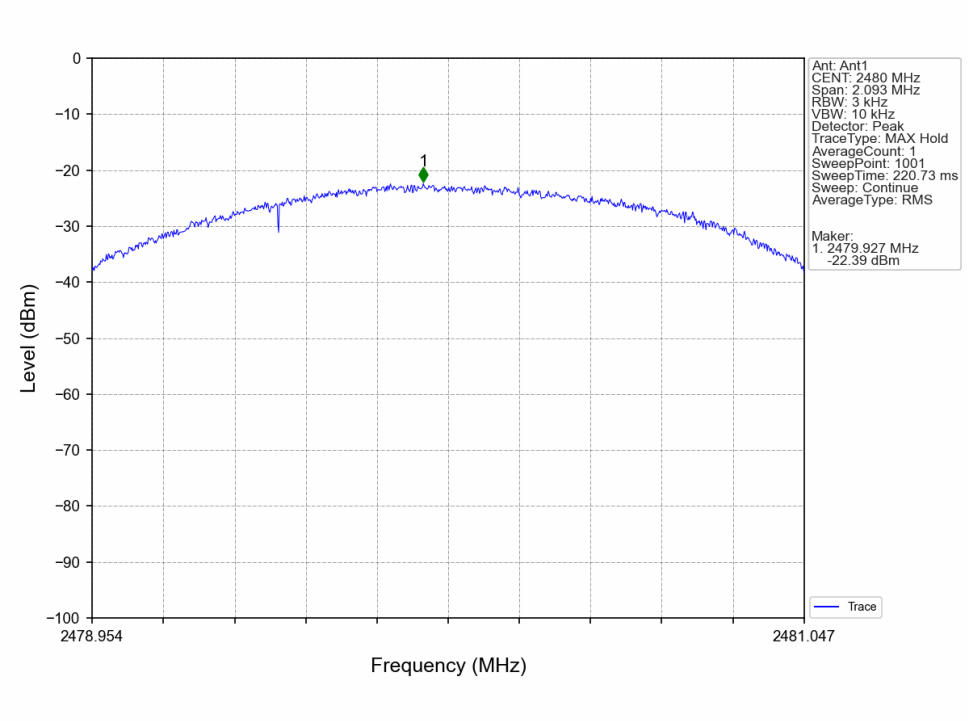
GFSK-2M_LCH_2402MHz_Ant1_NTNV



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	-1.11
		2440	1	-1.29
		2480	1	-1.87
GFSK-2M	SISO	2402	1	-3.46
		2440	1	-3.62
		2480	1	-4.07
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.				

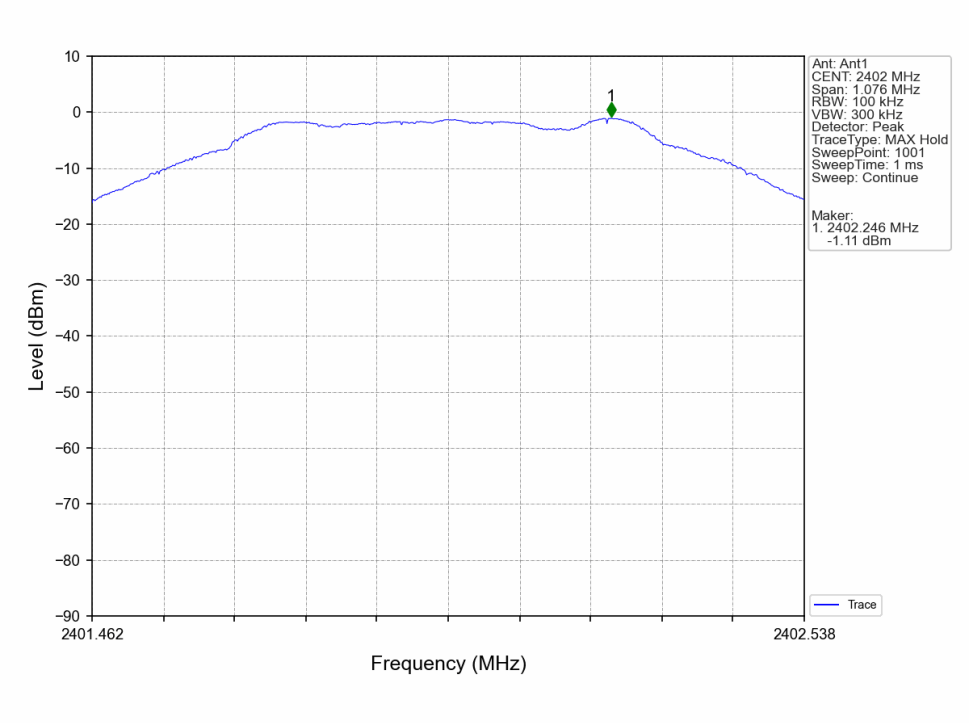
5.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK-1M	SISO	2402	1	-1.11	-21.11	Pass
		2440	1	-1.11	-21.11	Pass
		2480	1	-1.11	-21.11	Pass
GFSK-2M	SISO	2402	1	-3.46	-23.46	Pass
		2440	1	-3.46	-23.46	Pass
		2480	1	-3.46	-23.46	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.						

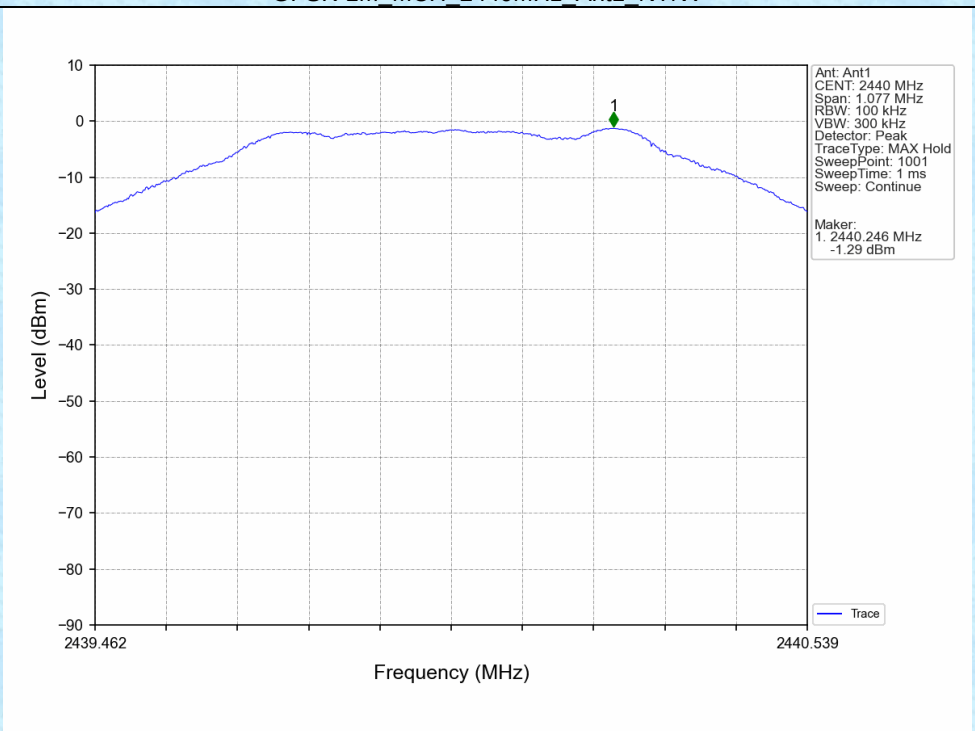
5.2 Test Graph

5.2.1 Ref

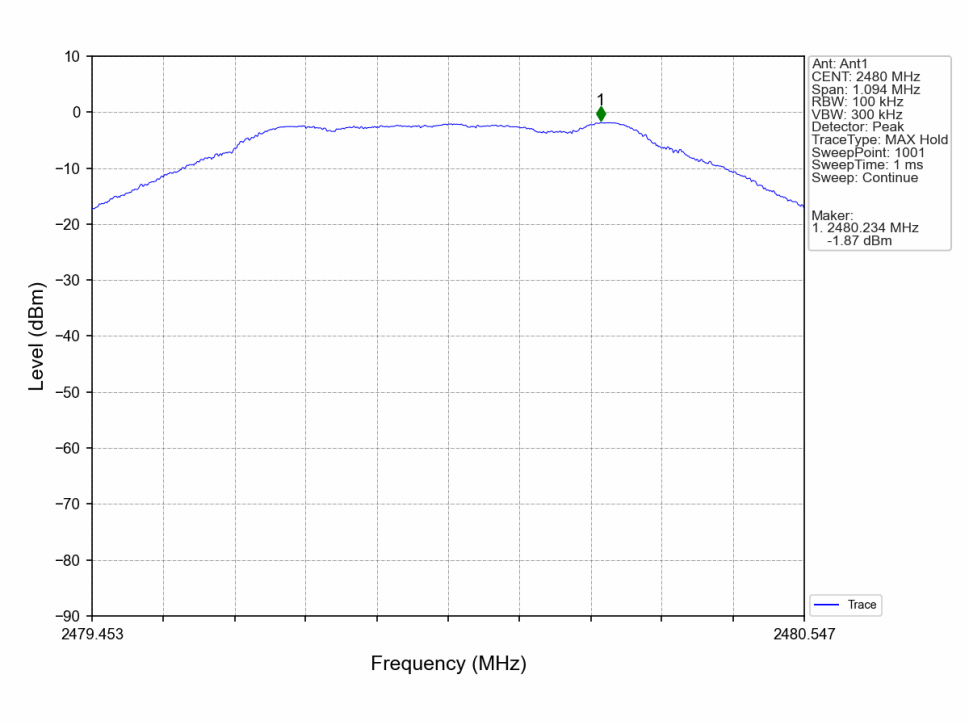
GFSK-1M_LCH_2402MHz_Ant1_NTNV



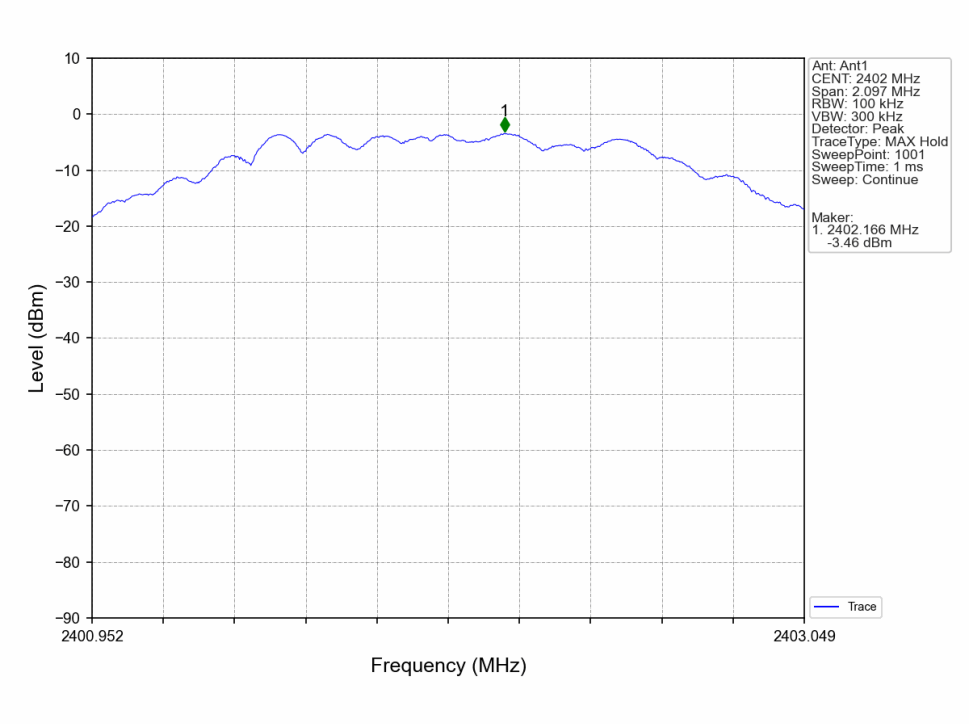
GFSK-1M_MCH_2440MHz_Ant1_NTNV



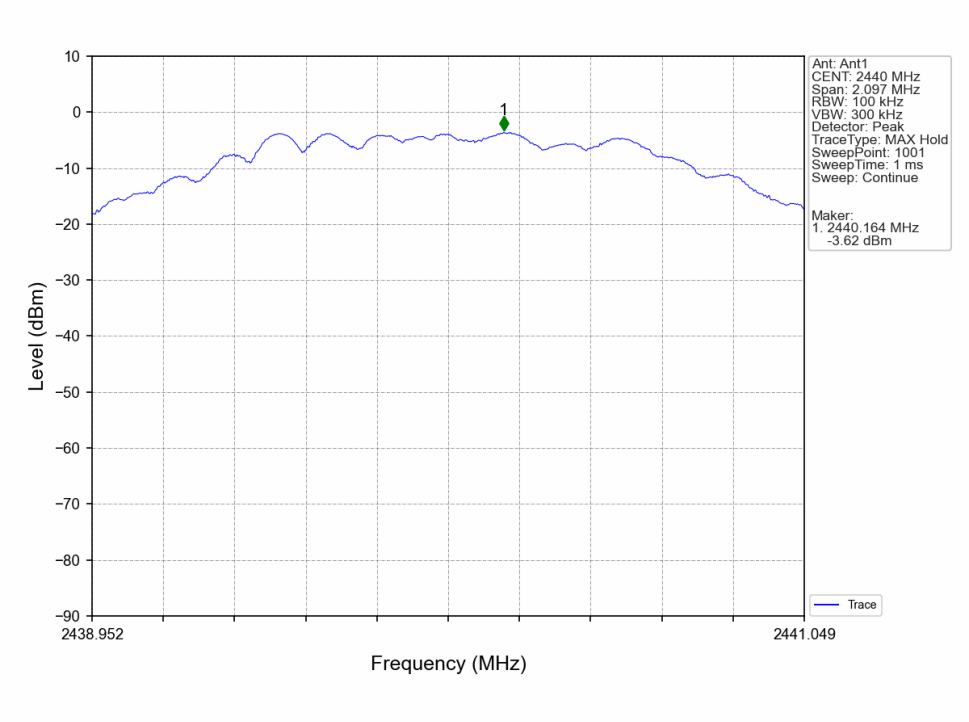
GFSK-1M_HCH_2480MHz_Ant1_NTNV



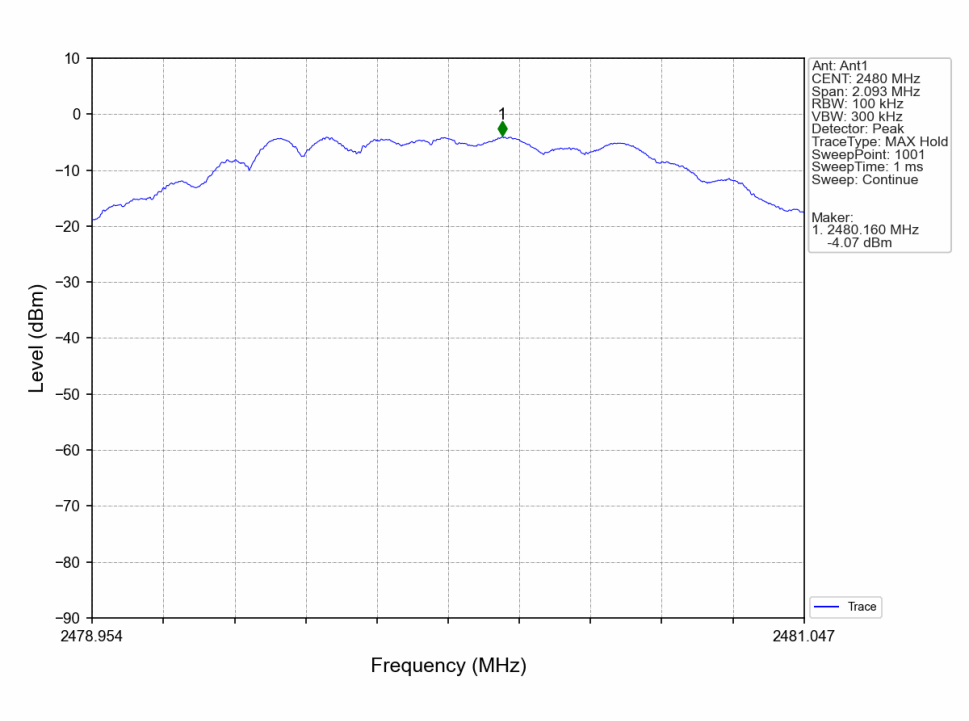
GFSK-2M_LCH_2402MHz_Ant1_NTNV



GFSK-2M_MCH_2440MHz_Ant1_NTNV

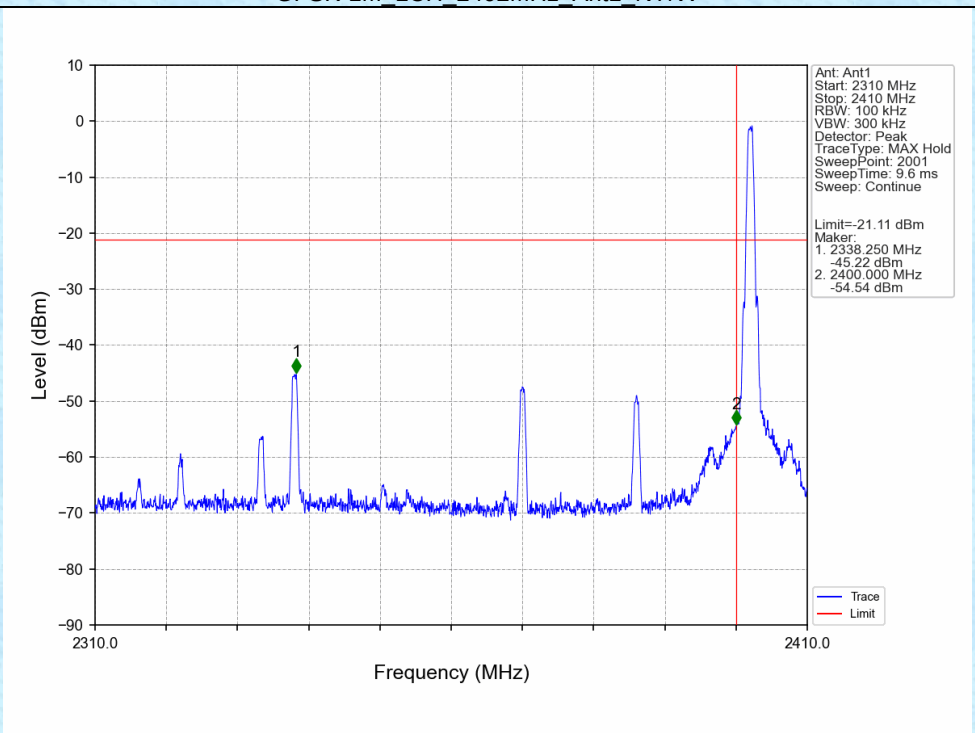


GFSK-2M_HCH_2480MHz_Ant1_NTNV

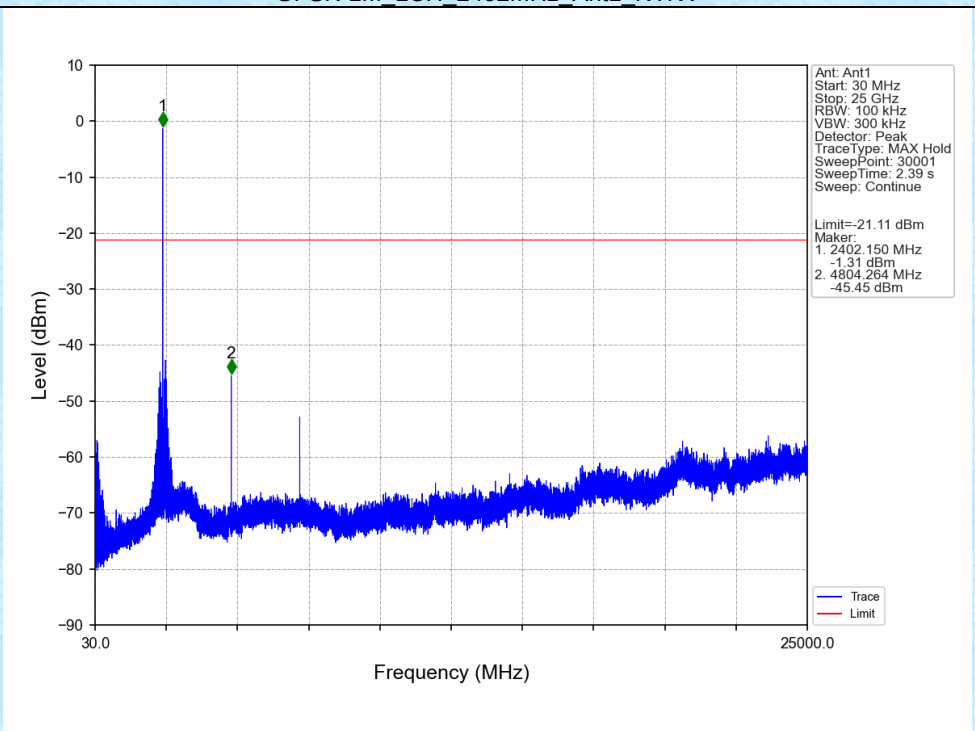


5.2.2 CSE

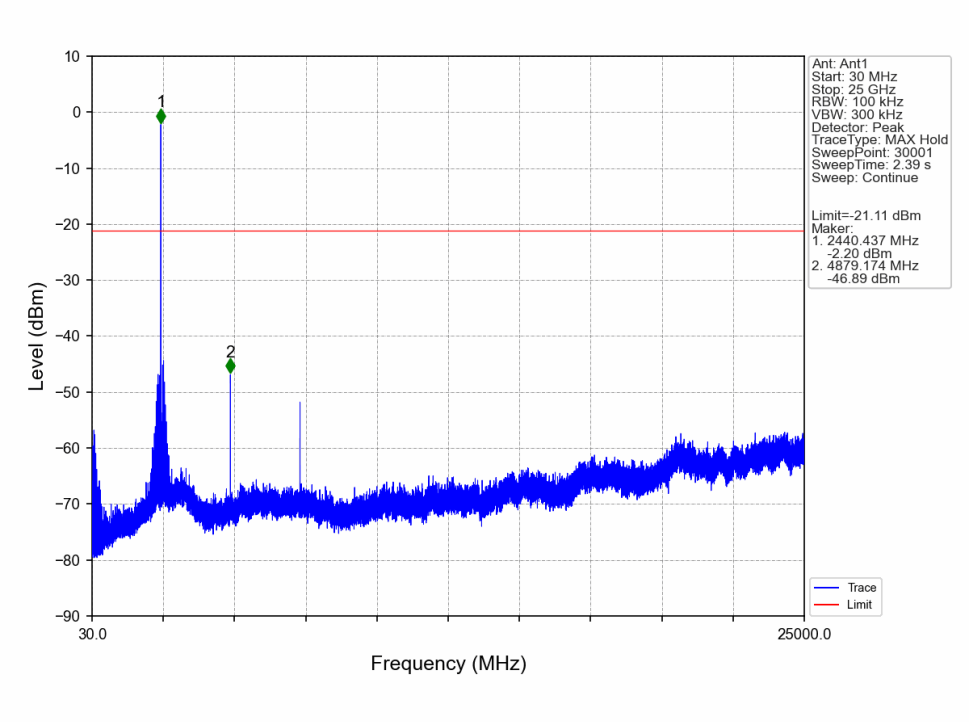
GFSK-1M_LCH_2402MHz_Ant1_NTNV



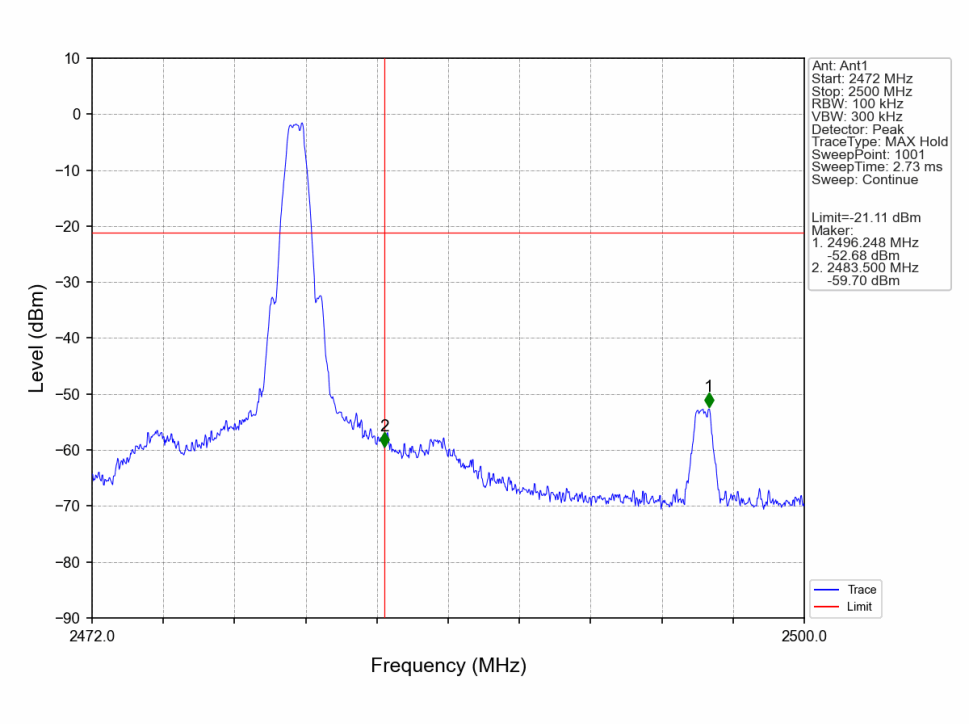
GFSK-1M_LCH_2402MHz_Ant1_NTNV



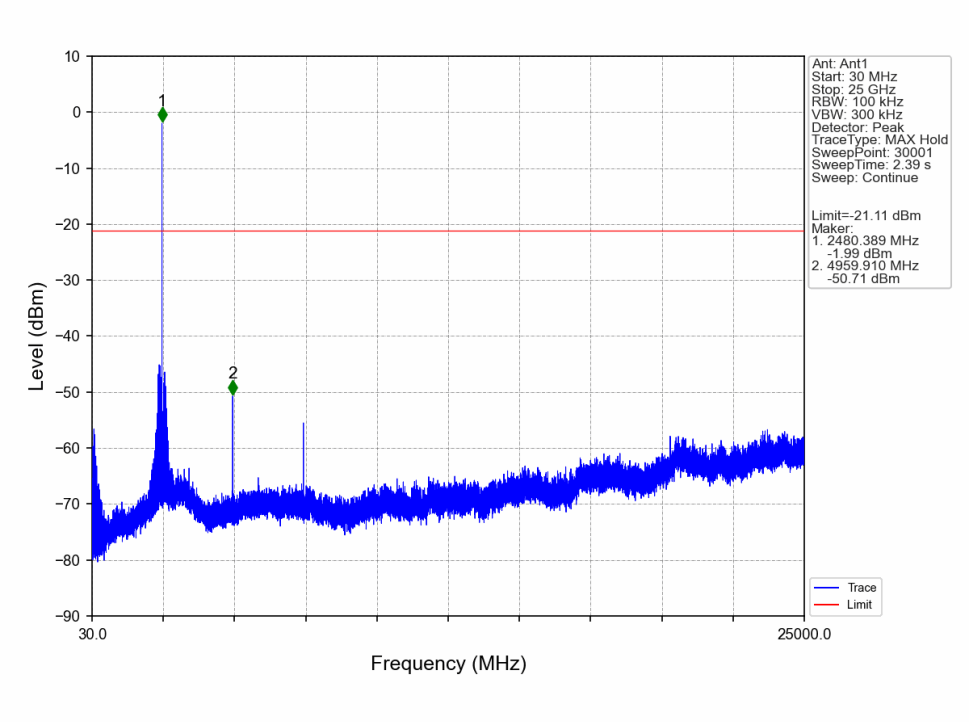
GFSK-1M_MCH_2440MHz_Ant1_NTNV



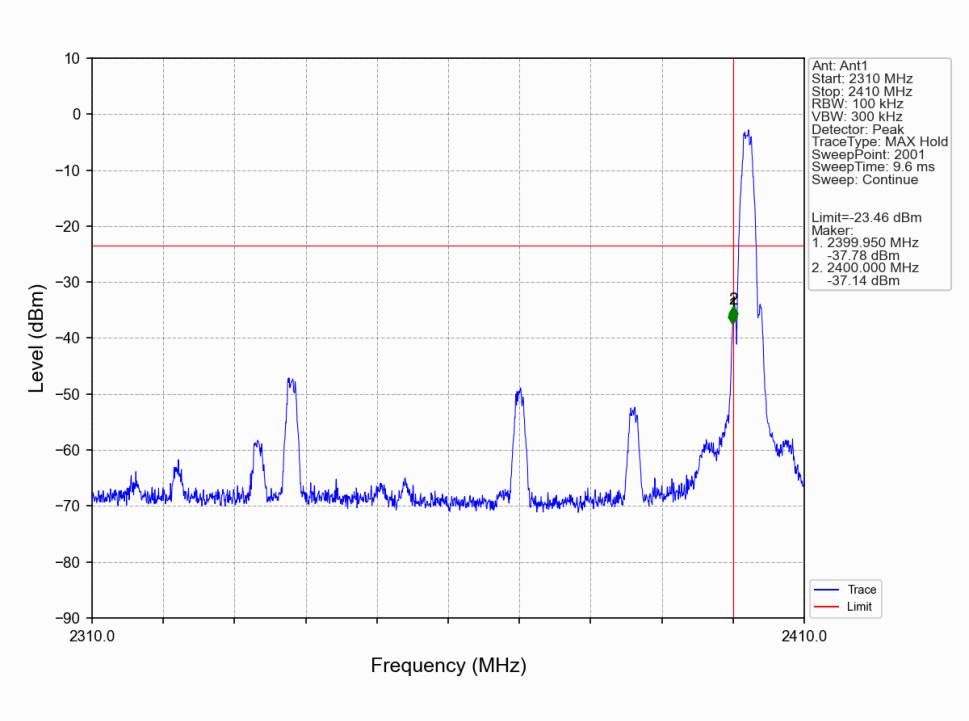
GFSK-1M_HCH_2480MHz_Ant1_NTNV



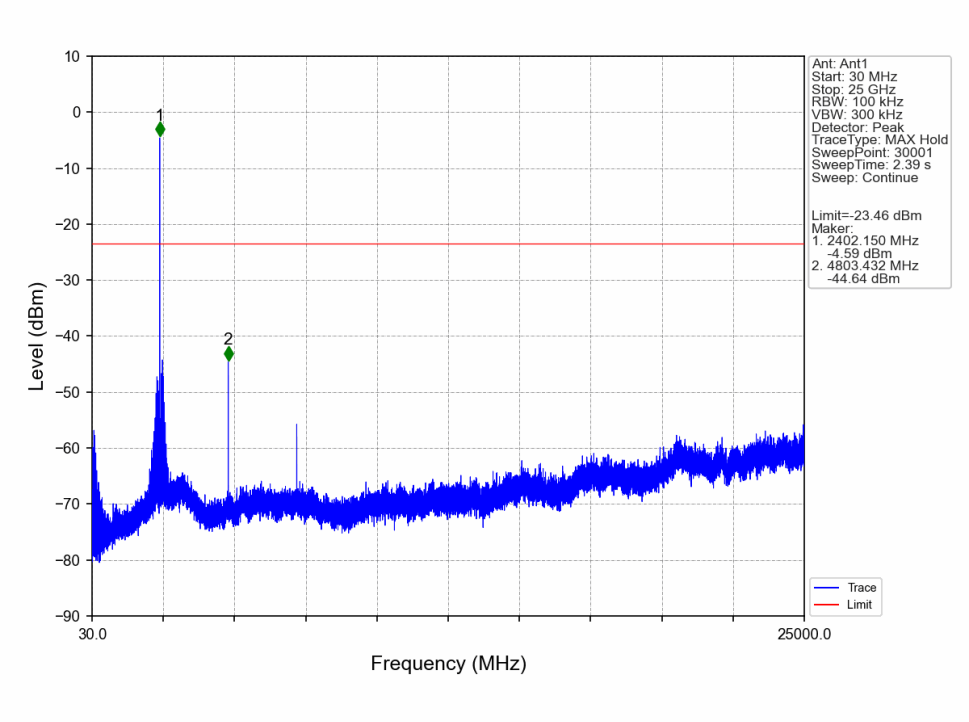
GFSK-1M_HCH_2480MHz_Ant1_NTNV



GFSK-2M_LCH_2402MHz_Ant1_NTNV



GFSK-2M_LCH_2402MHz_Ant1_NTNV



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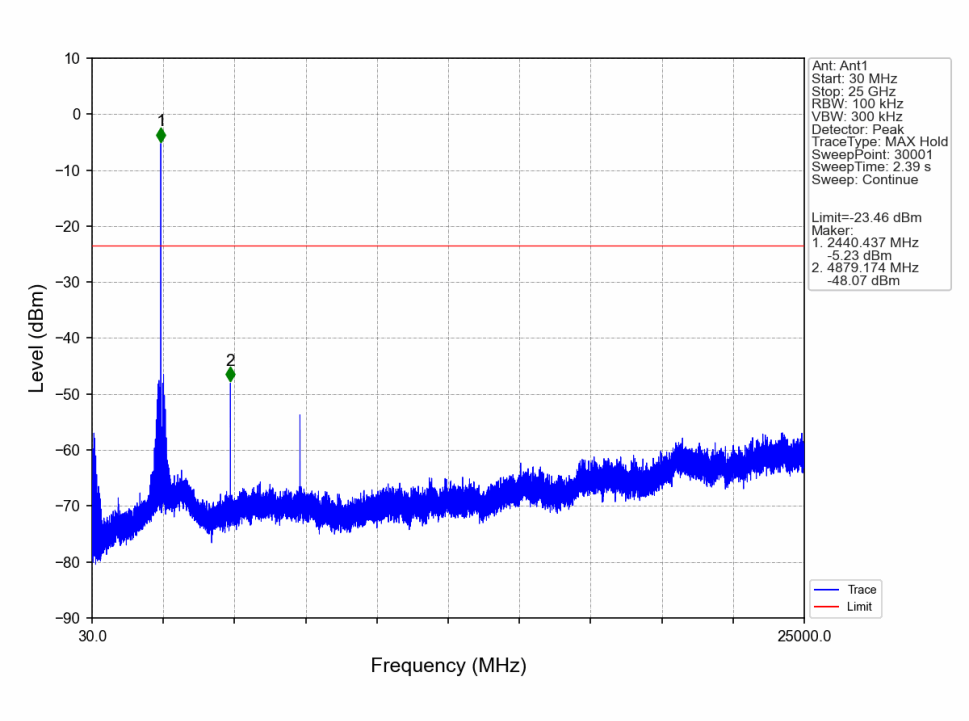

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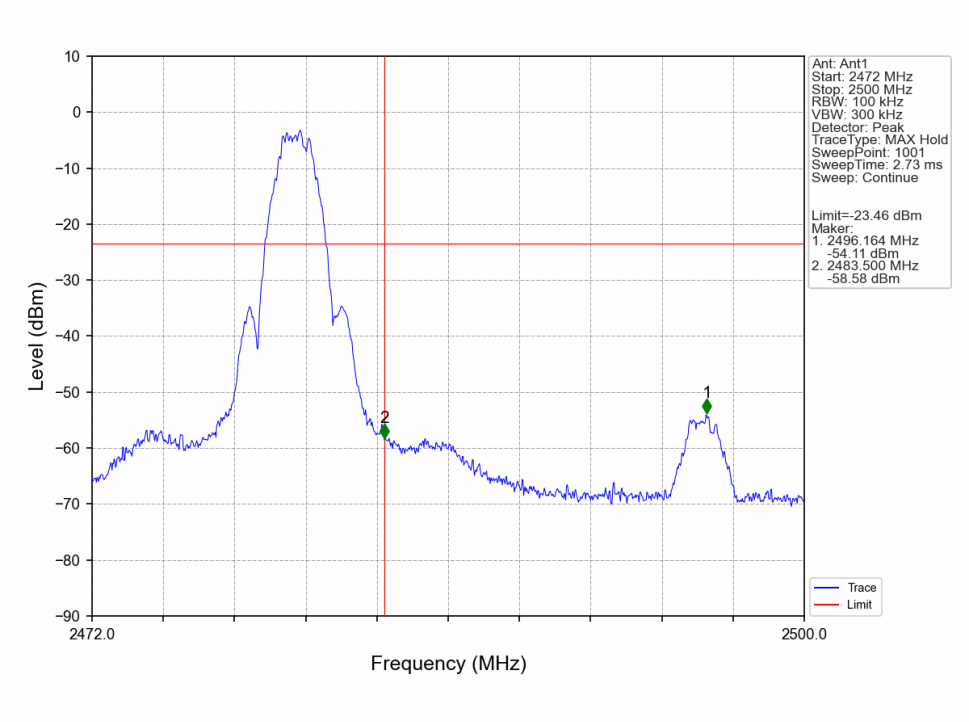

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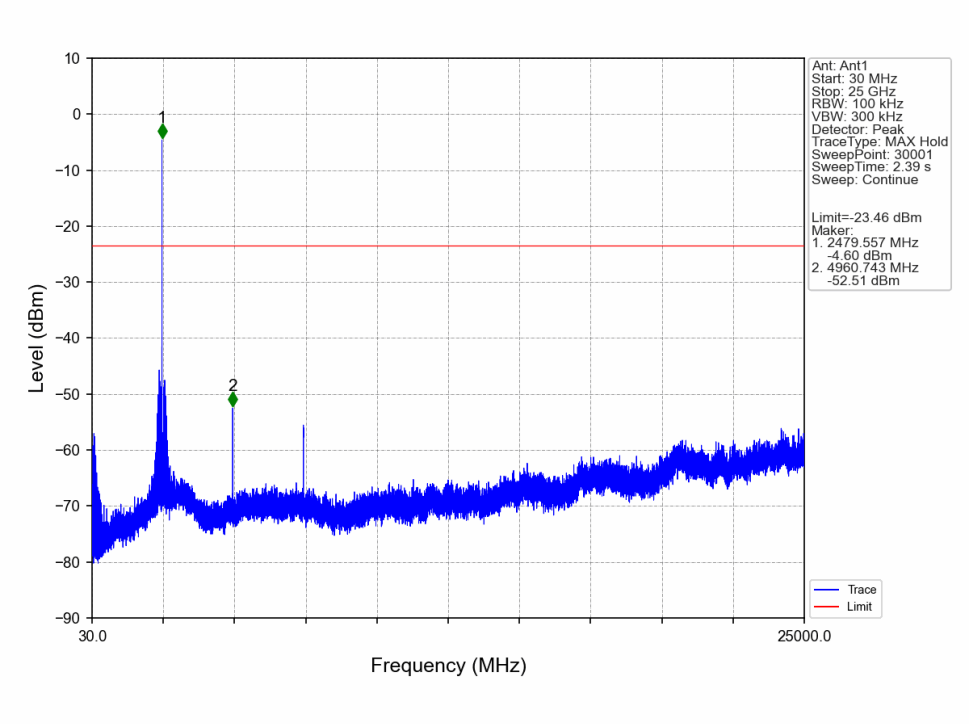

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