

Appendix for 15.247

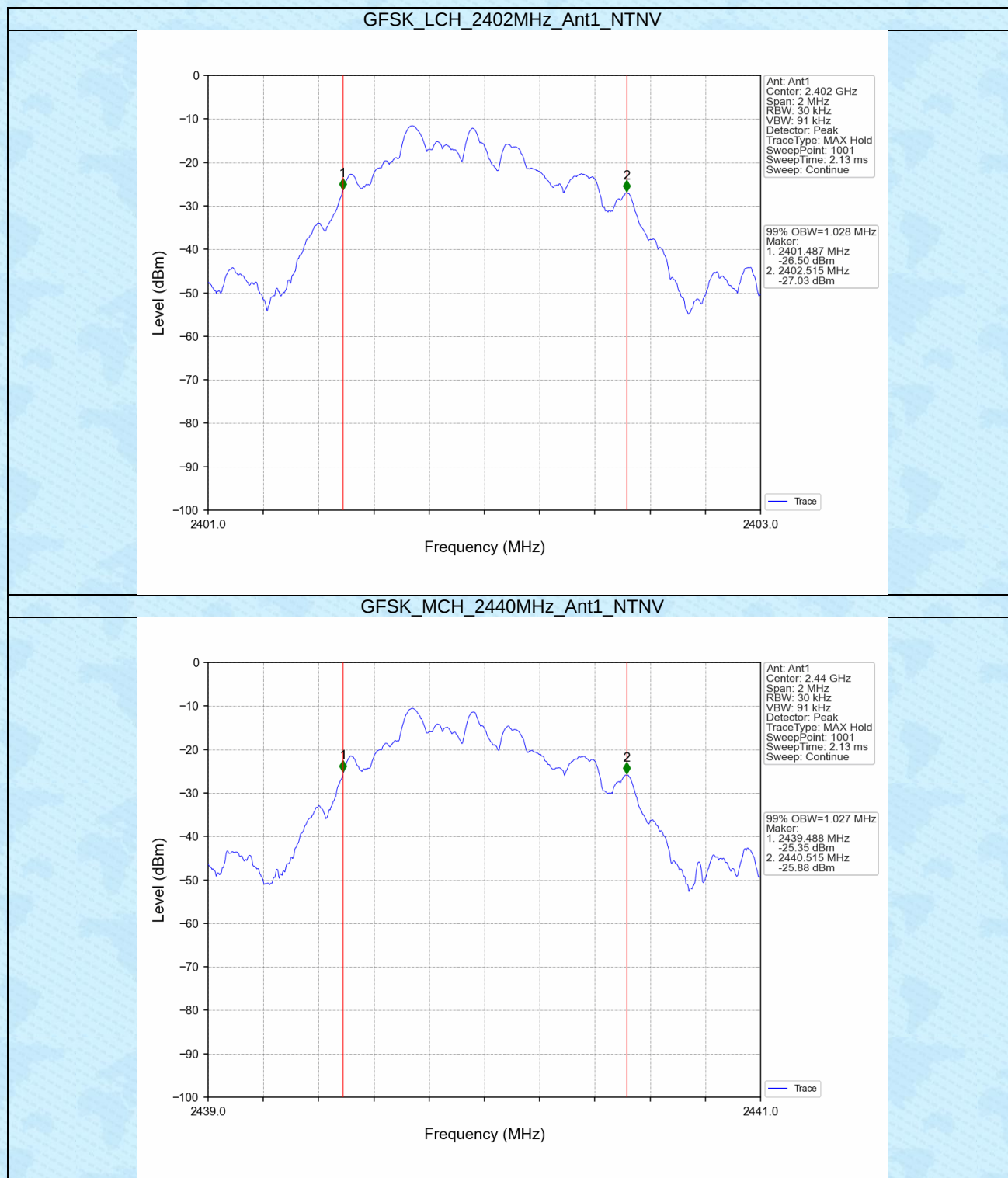
1. Bandwidth

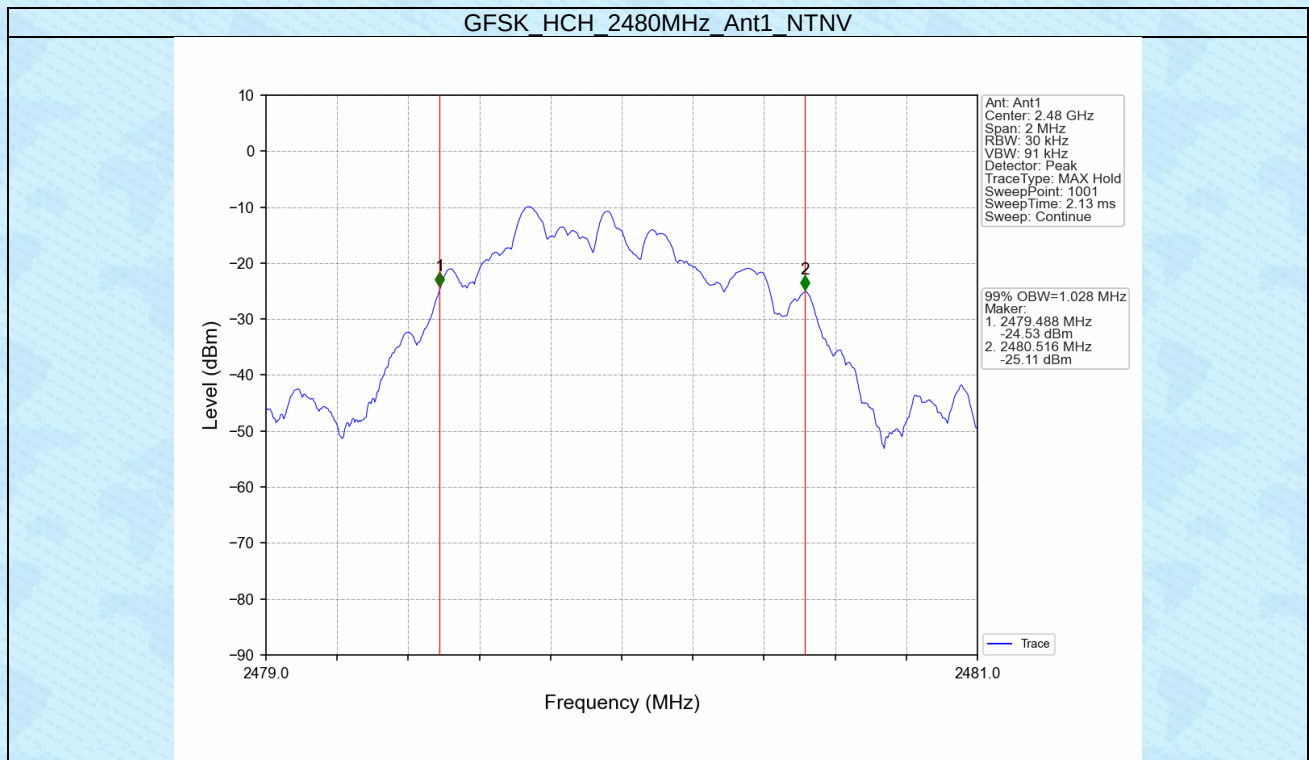
1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result		
GFSK	SISO	2402	1	1.028		Pass
		2440	1	1.027		Pass
		2480	1	1.028		Pass

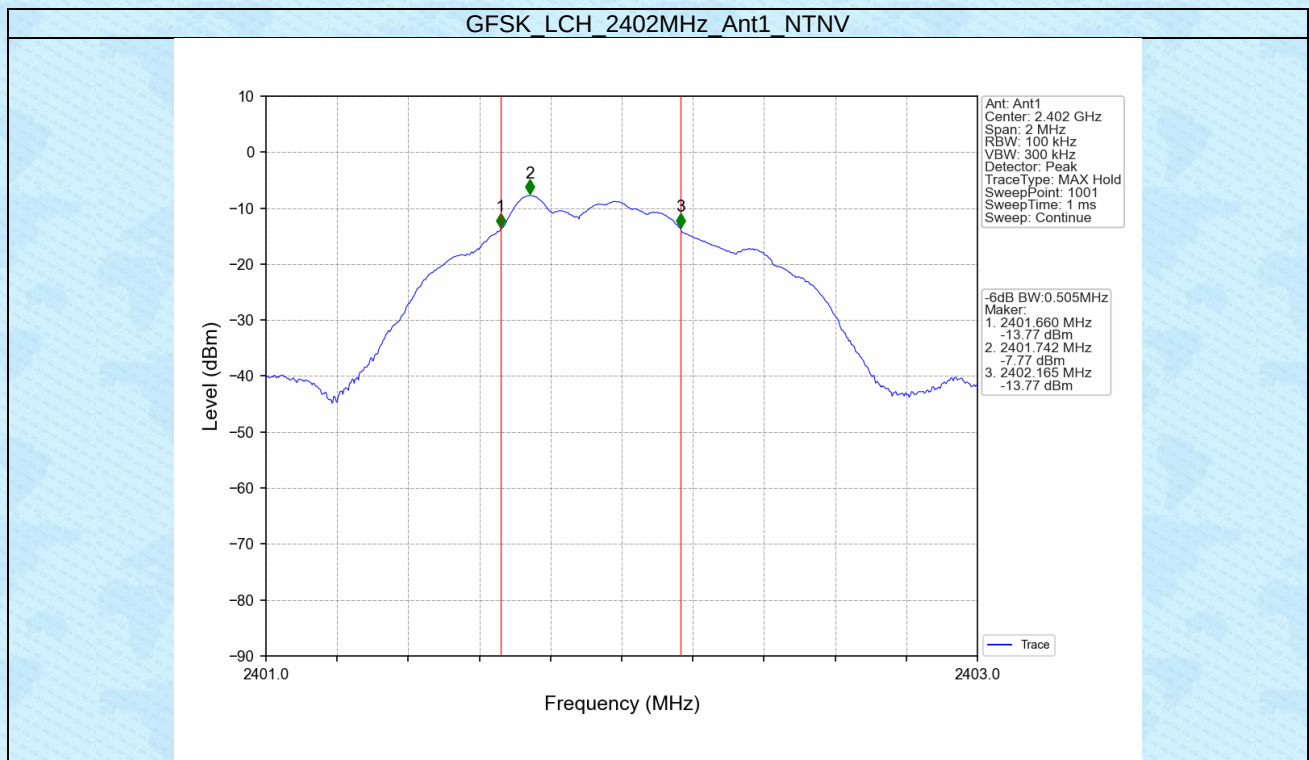
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2402	1	0.505	≥ 0.5	Pass
		2440	1	0.504	≥ 0.5	Pass
		2480	1	0.502	≥ 0.5	Pass

1.2 Test Graph- 99% Occupied Bandwidth

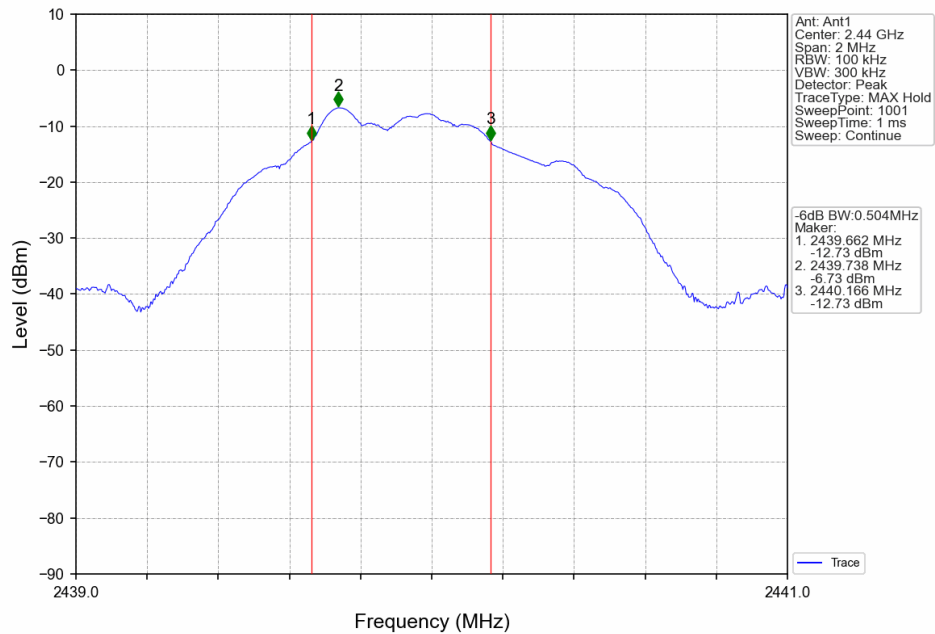




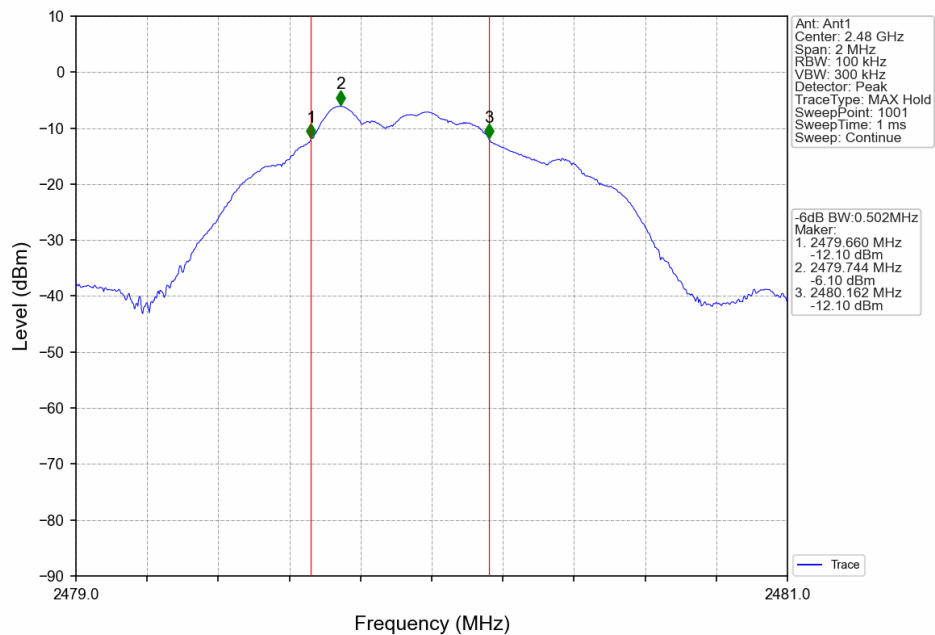
1.3 Test Graph -6dB Bandwidth



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



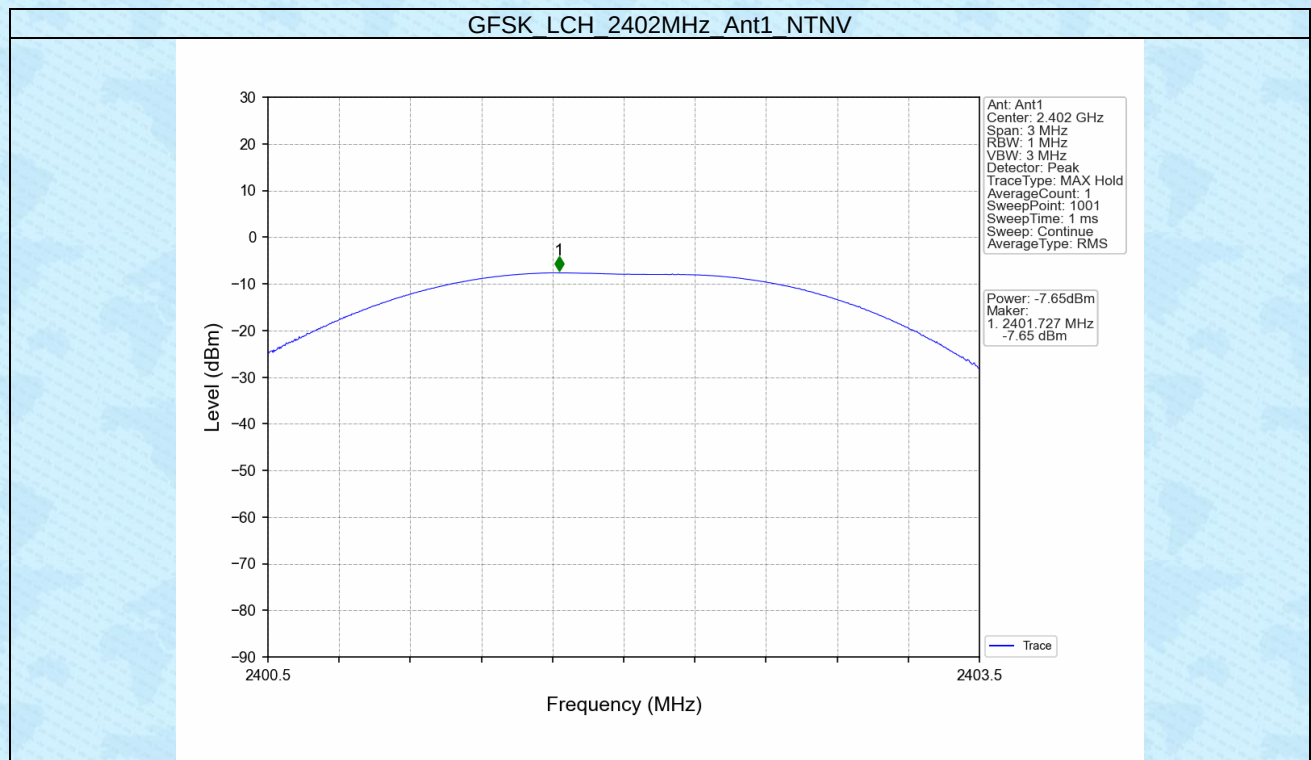
2. Maximum Conducted Output Power

2.1 Test Result

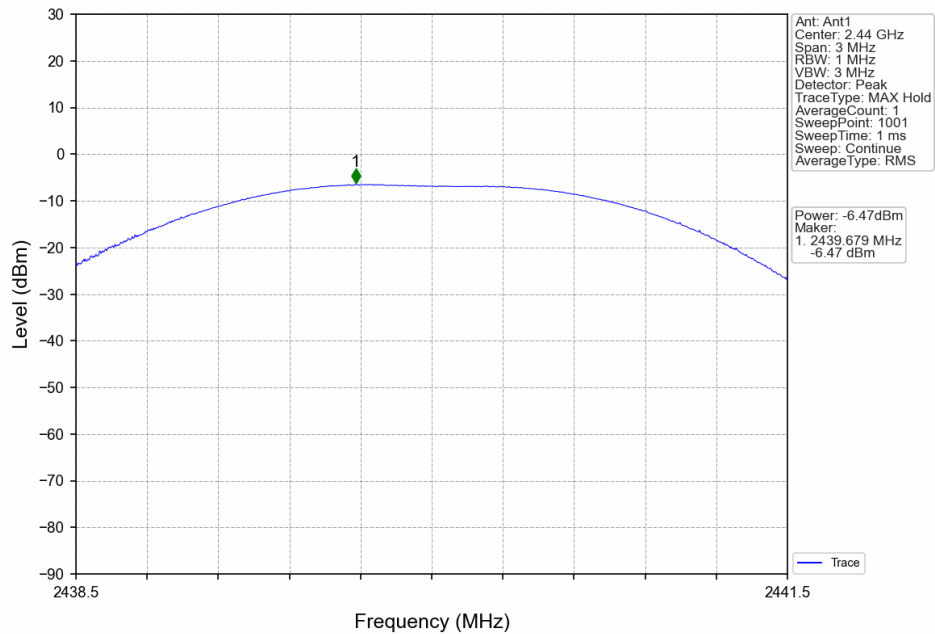
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2402	-7.65	<=30	Pass
		2440	-6.47	<=30	Pass
		2480	-5.95	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

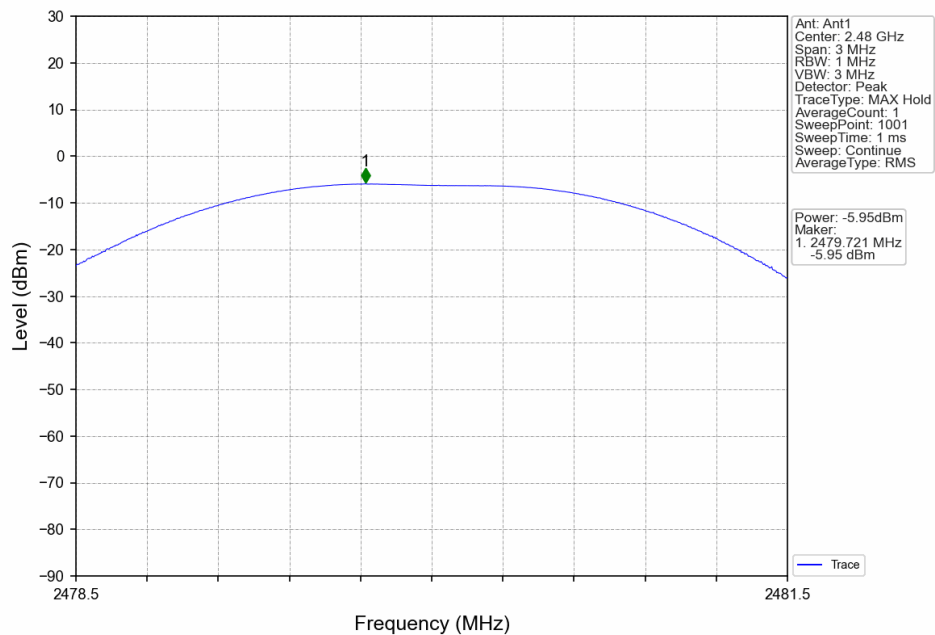
2.2 Test Graph



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



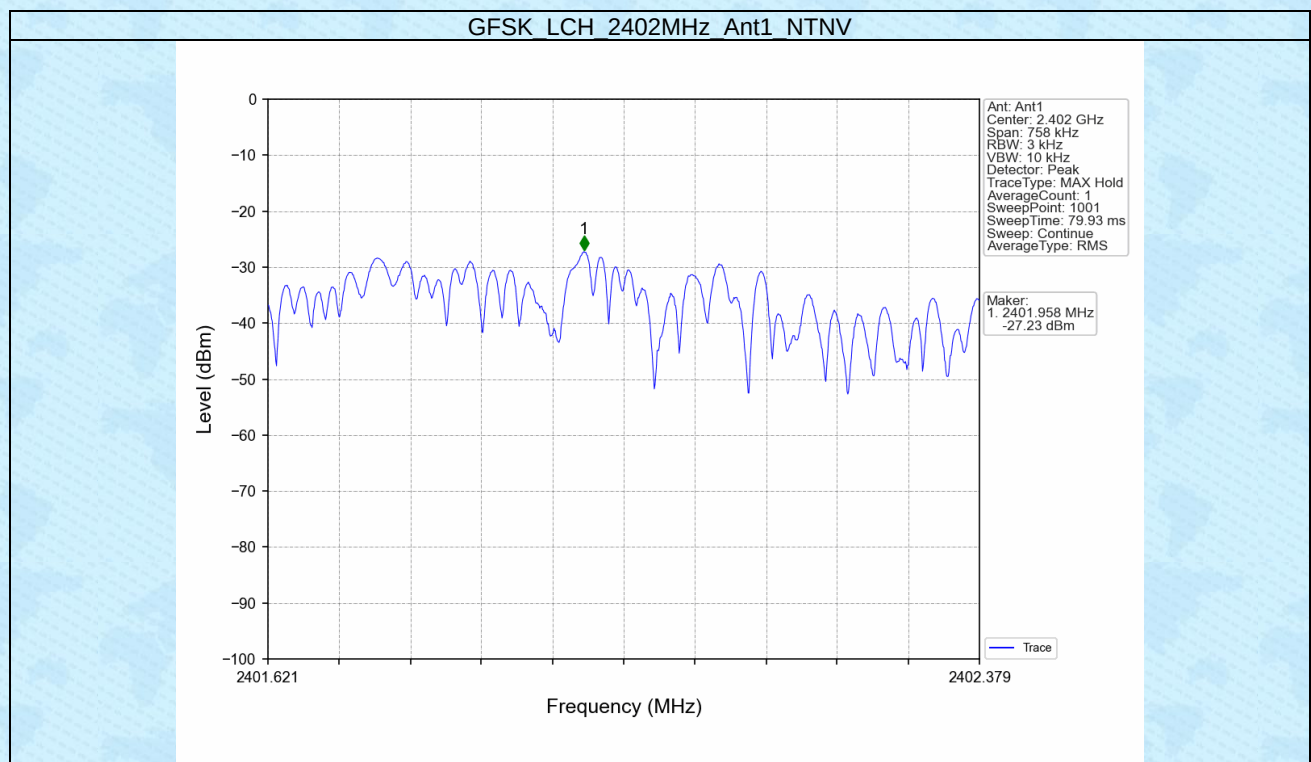
3. Maximum Power Spectral Density

3.1 Test Result

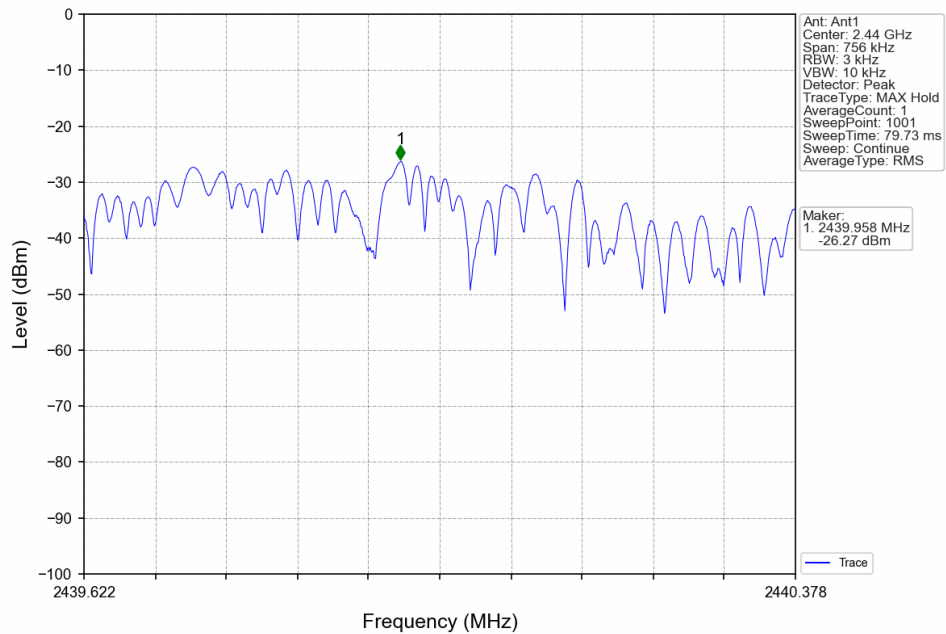
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK	SISO	2402	-27.23	<=8	Pass
		2440	-26.27	<=8	Pass
		2480	-25.70	<=8	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

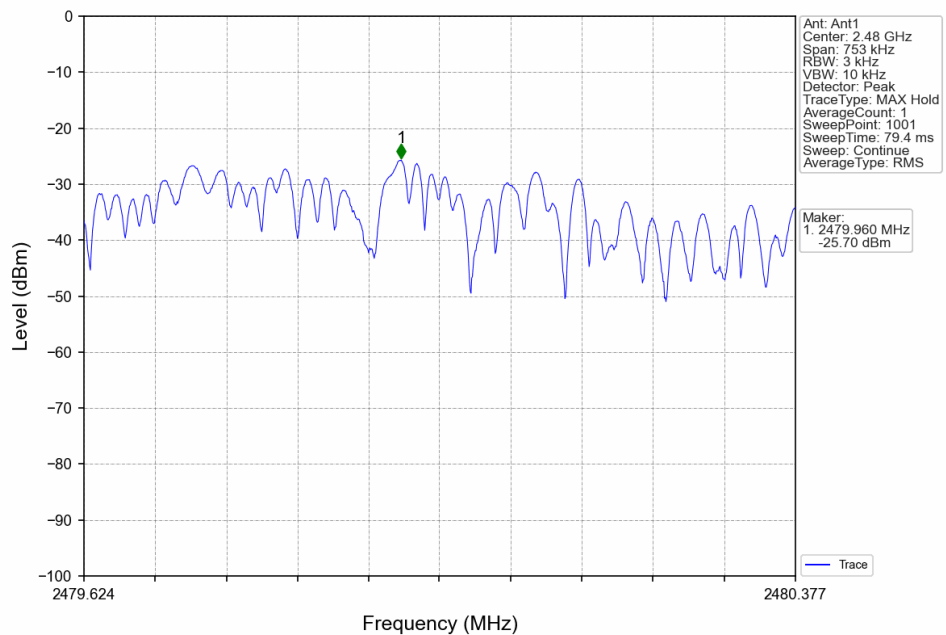
3.2 Test Graph



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



4. Unwanted Emissions InStandard Non-restricted Frequency Bands

4.1 Ref

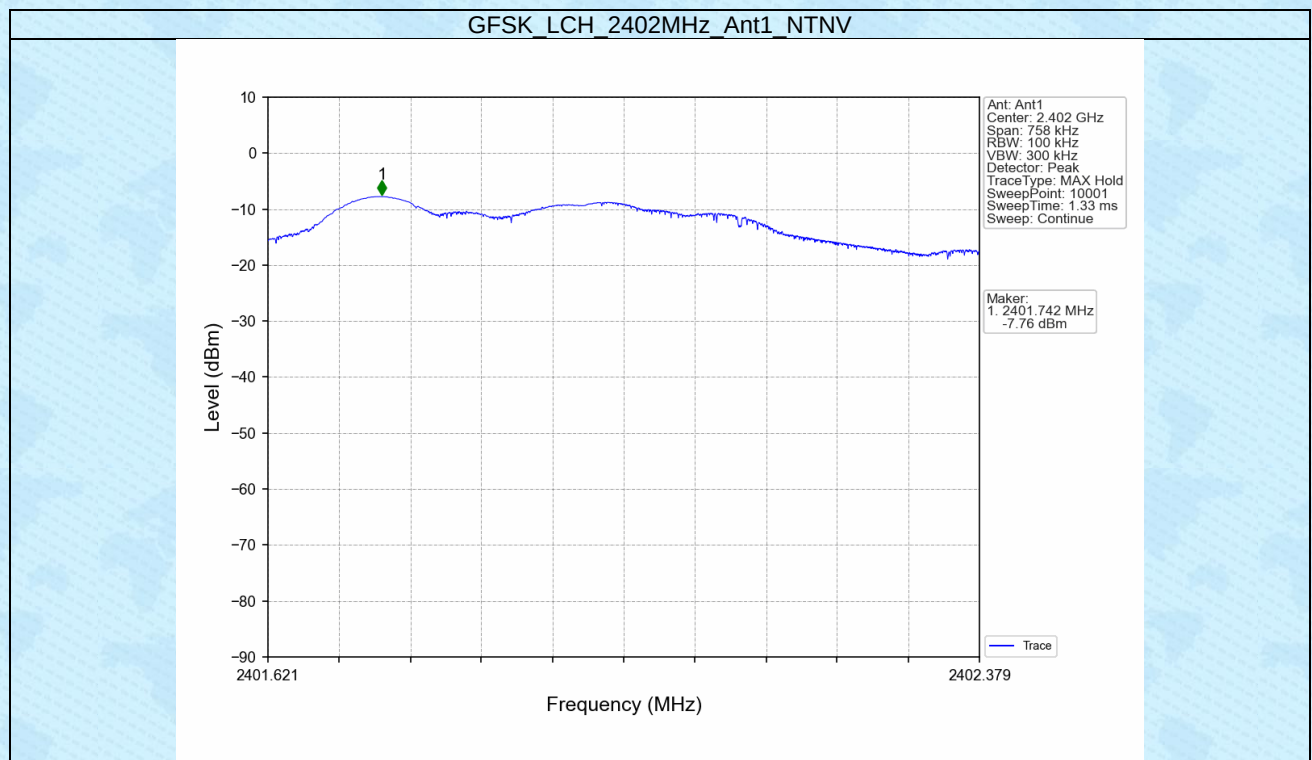
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK	SISO	2402	1	-7.76
		2440	1	-6.76
		2480	1	-6.09

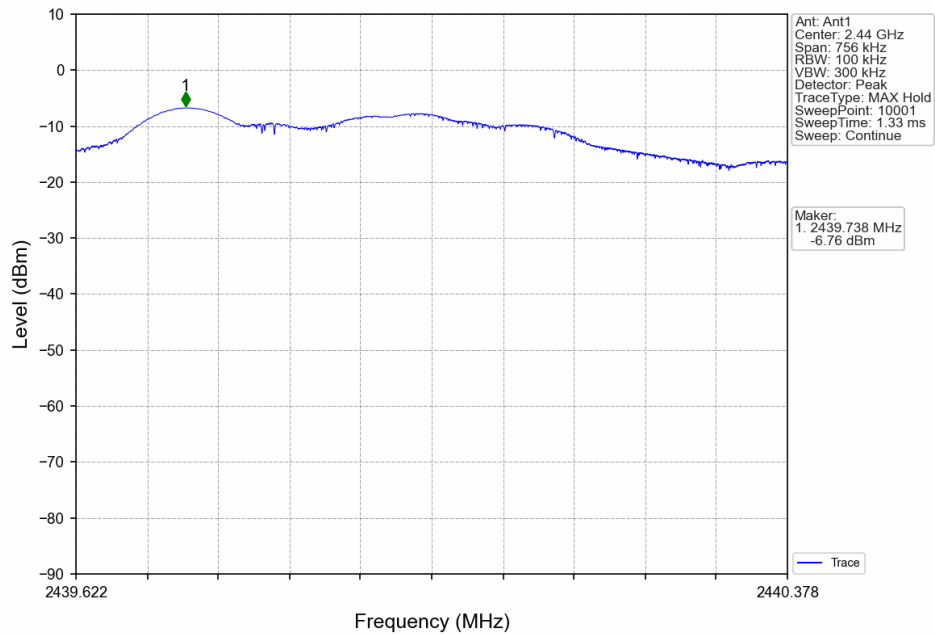
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

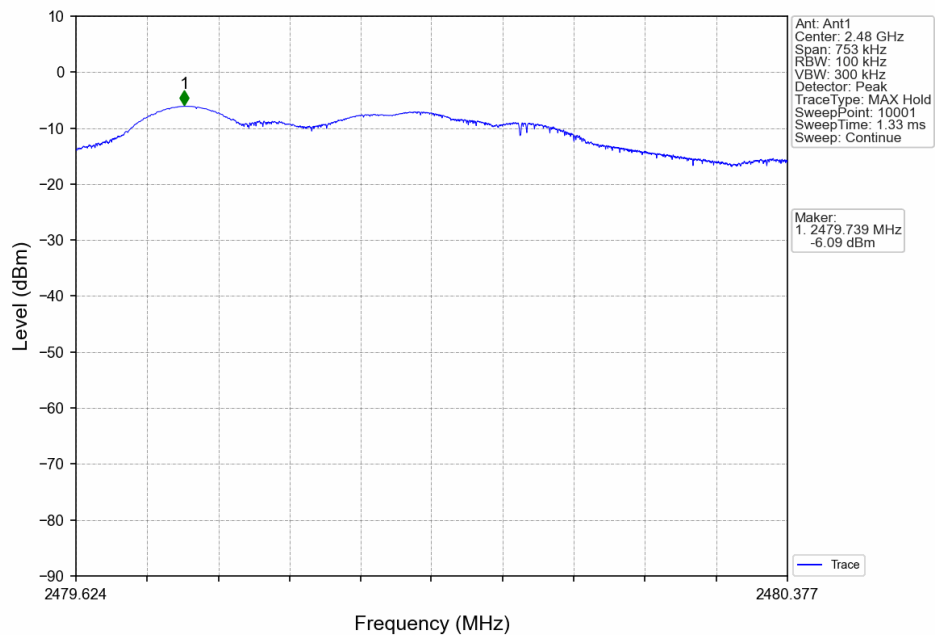
4.1.2 Test Graph



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



4.2 CSE

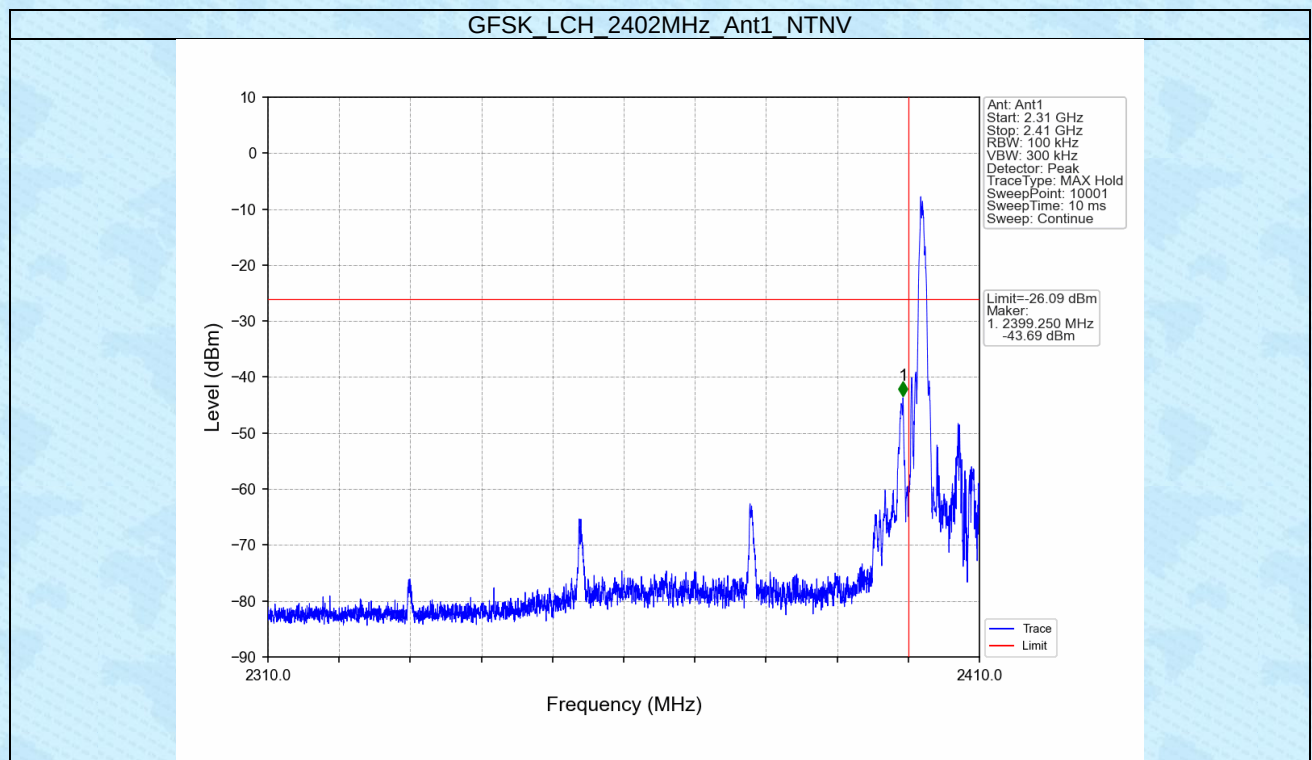
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	1	-6.09	-26.09	Pass
		2440	1	-6.09	-26.09	Pass
		2480	1	-6.09	-26.09	Pass

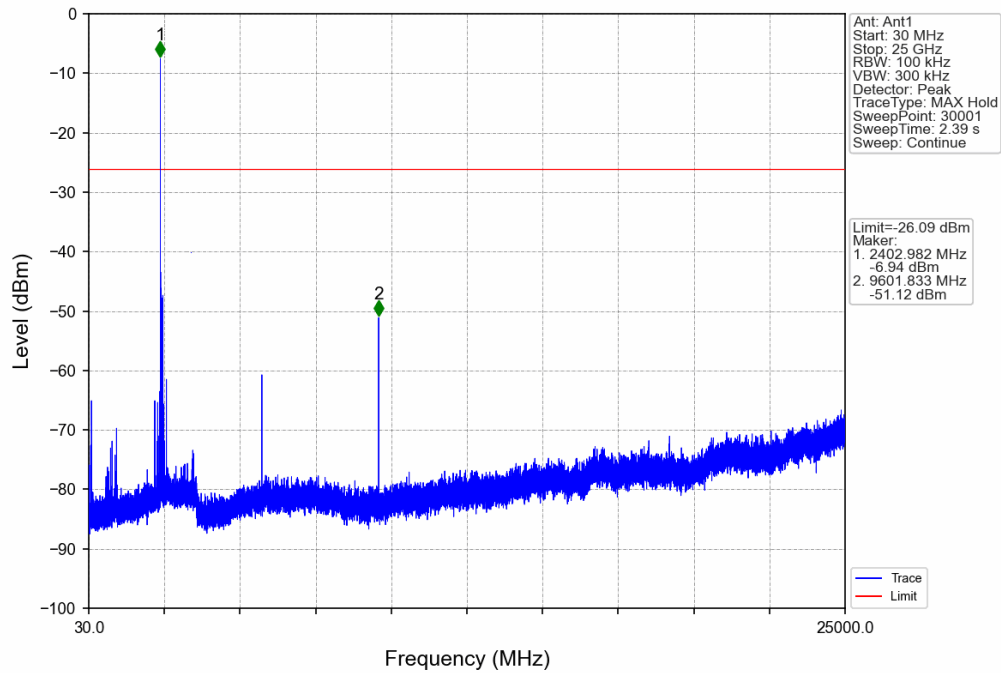
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

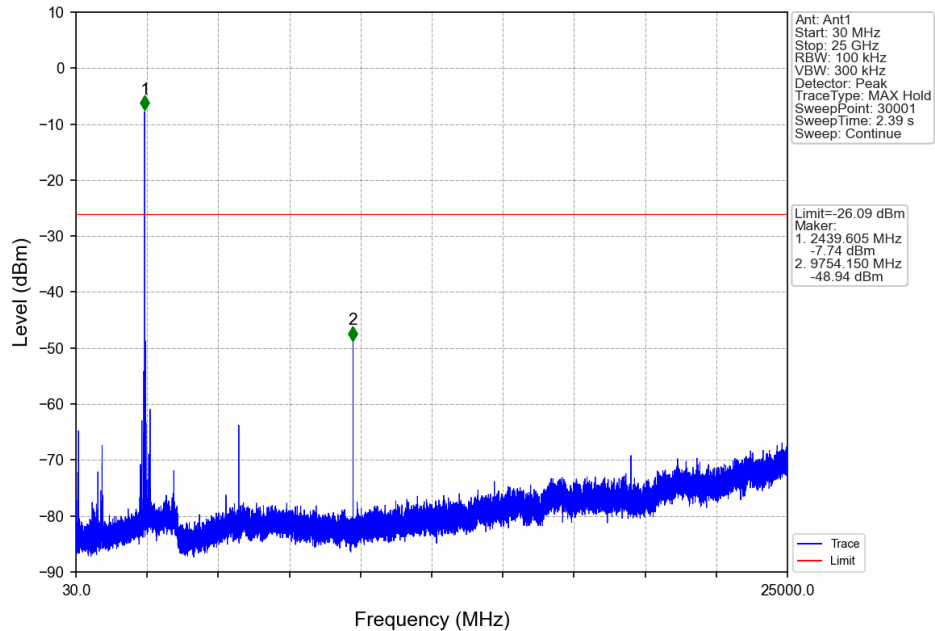
4.2.2 Test Graph



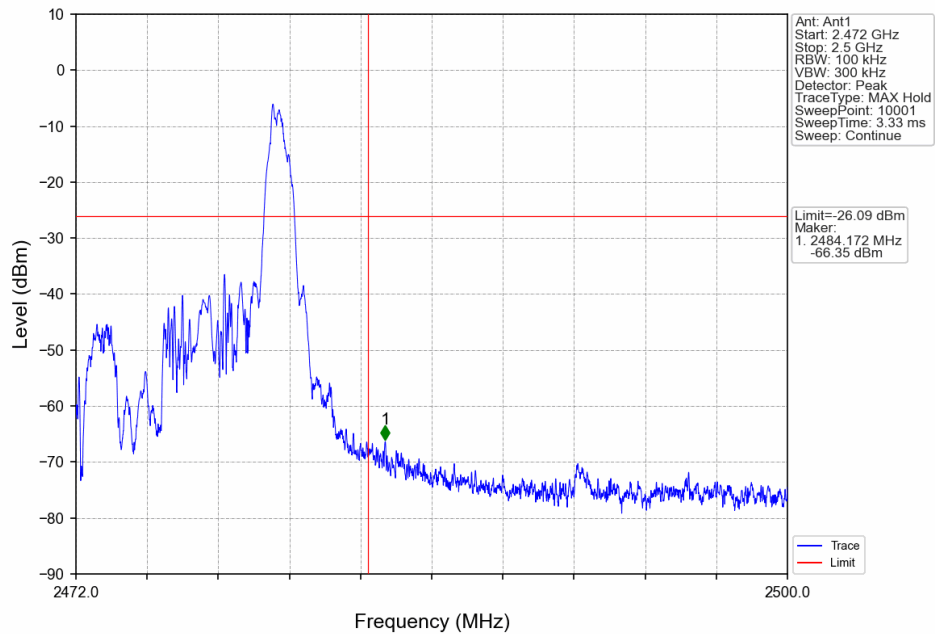
GFSK_LCH_2402MHz_Ant1_NTNV



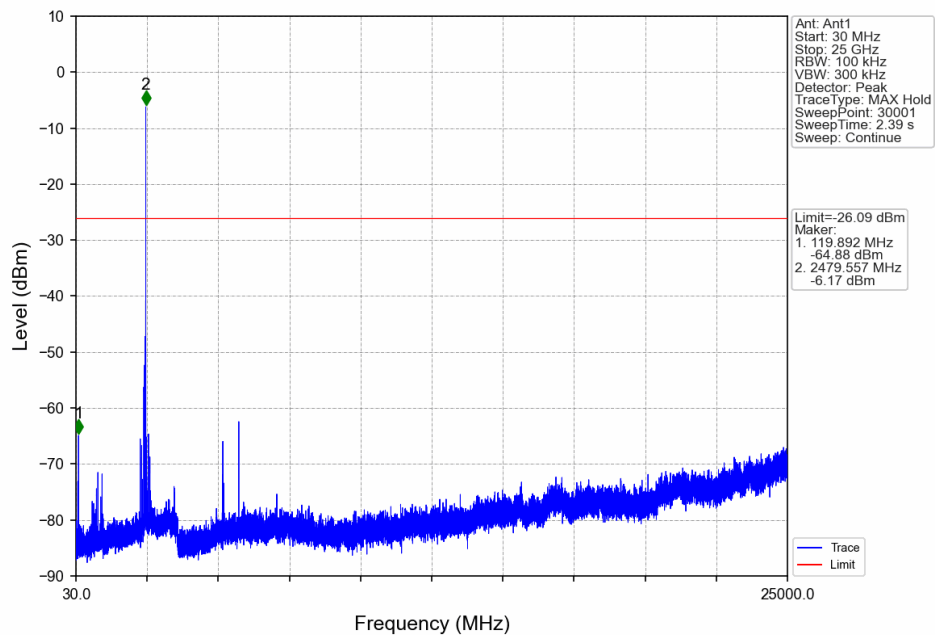
GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



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