

Appendix for 15.247

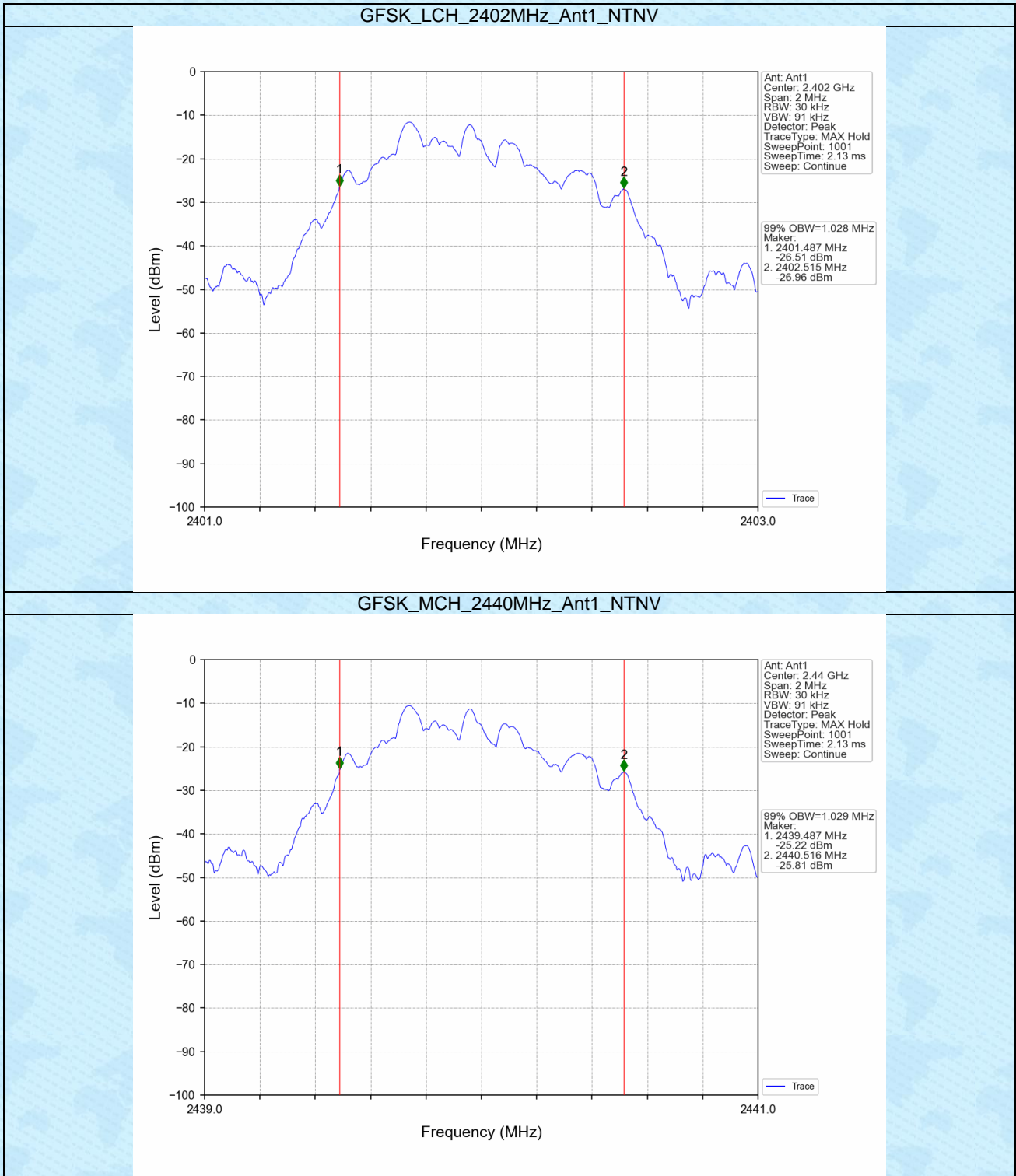
1. Bandwidth

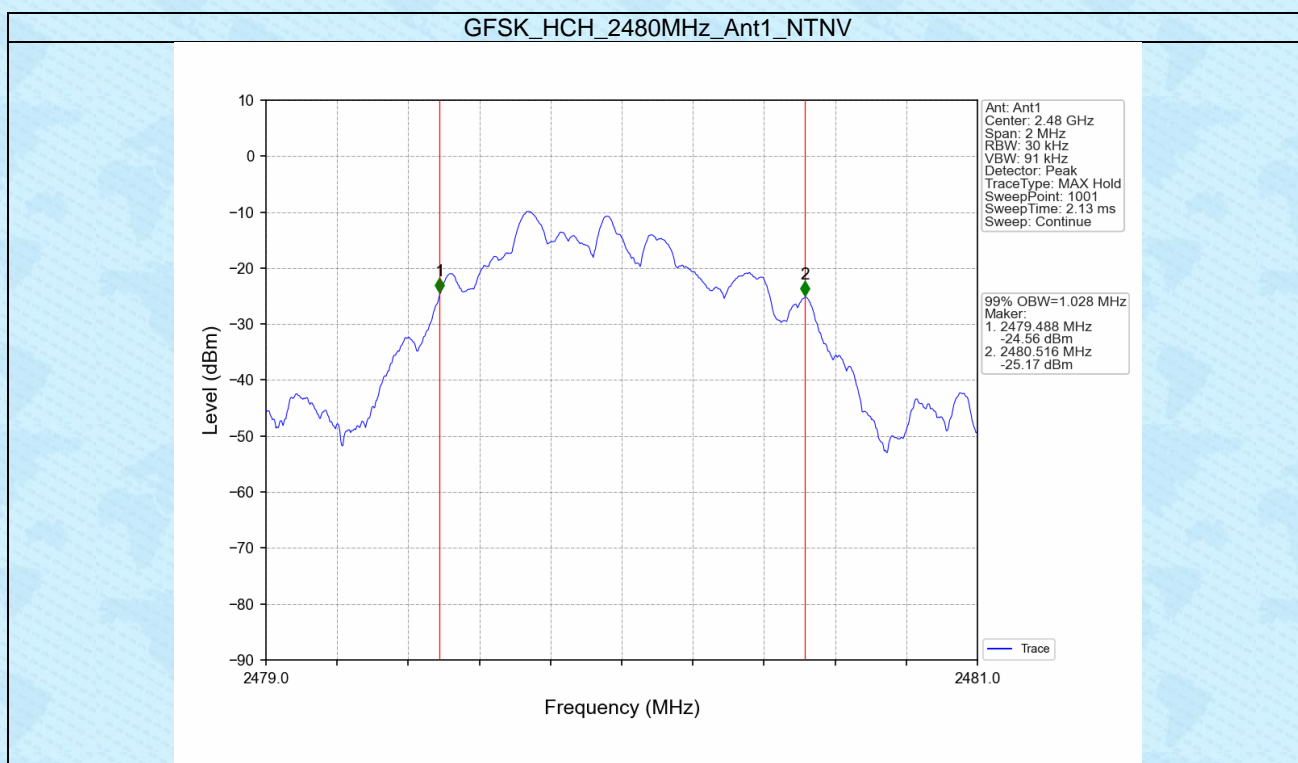
1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result		
GFSK	SISO	2402	1	1.028		Pass
		2440	1	1.029		Pass
		2480	1	1.028		Pass

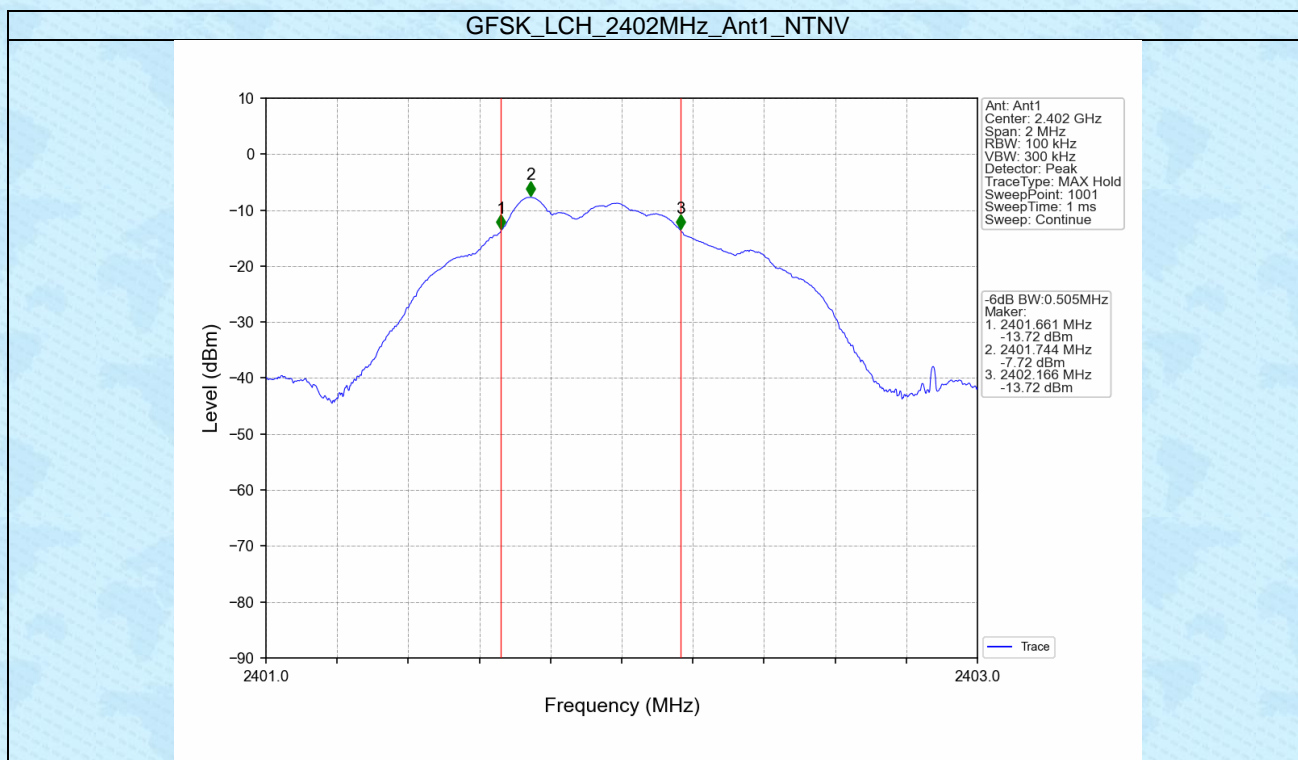
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2402	1	0.505	≥ 0.5	Pass
		2440	1	0.502	≥ 0.5	Pass
		2480	1	0.501	≥ 0.5	Pass

1.2 Test Graph- 99% Occupied Bandwidth

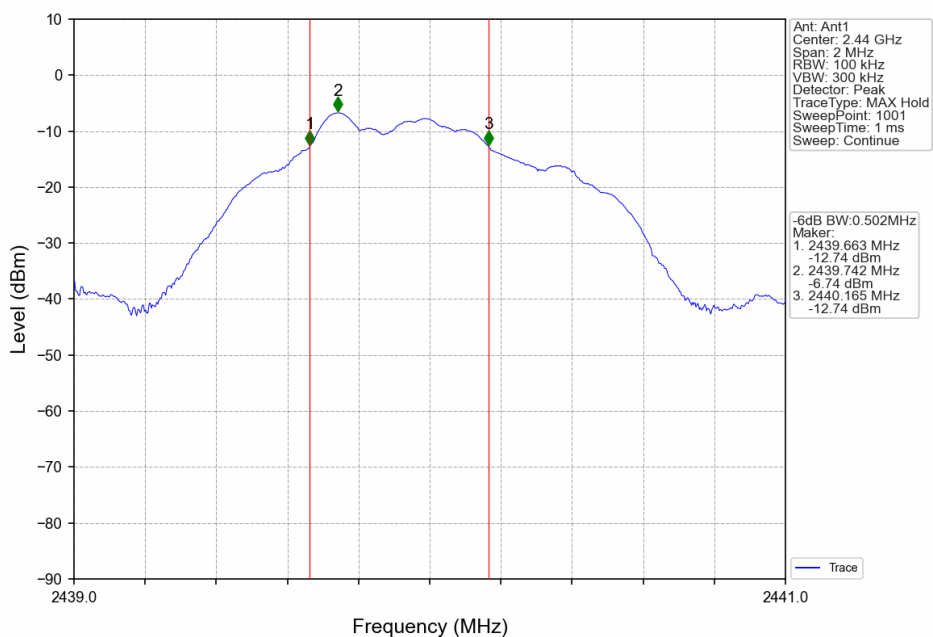




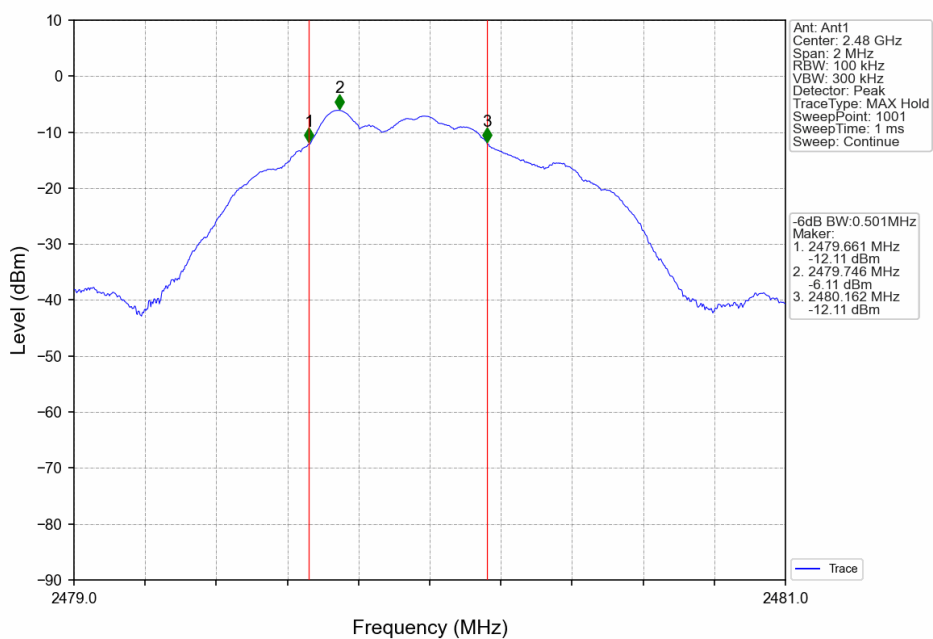
1.3 Test Graph -6dB Bandwidth



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



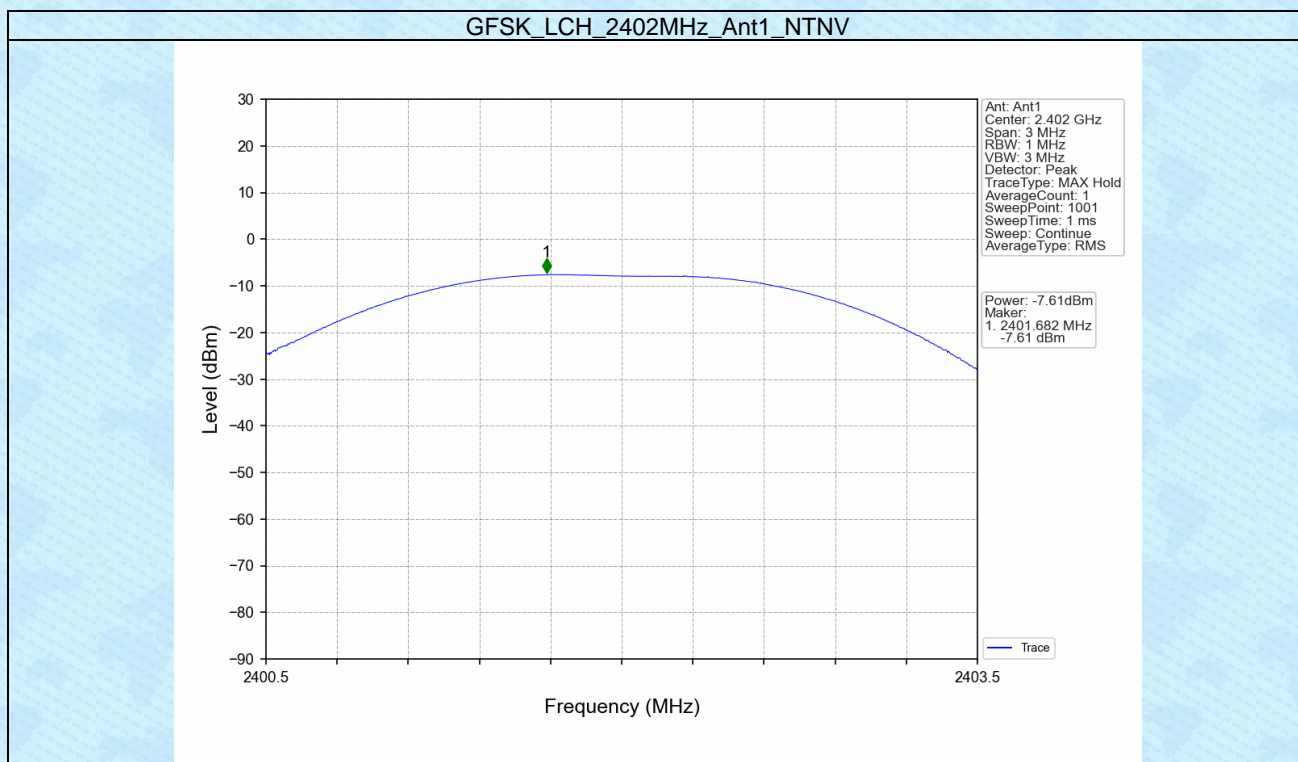
2. Maximum Conducted Output Power

2.1 Test Result

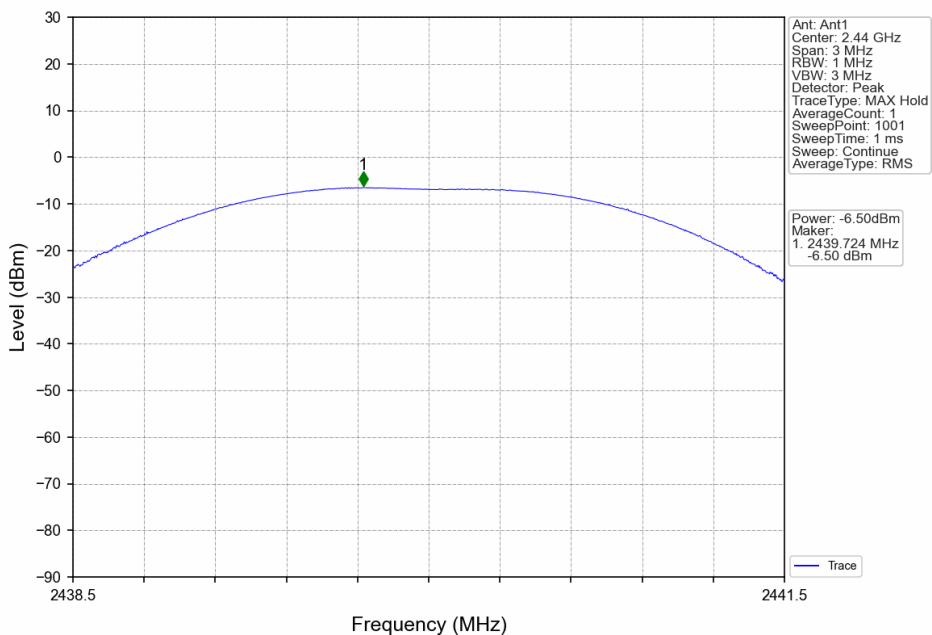
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2402	-7.61	<=30	Pass
		2440	-6.50	<=30	Pass
		2480	-6.01	<=30	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;

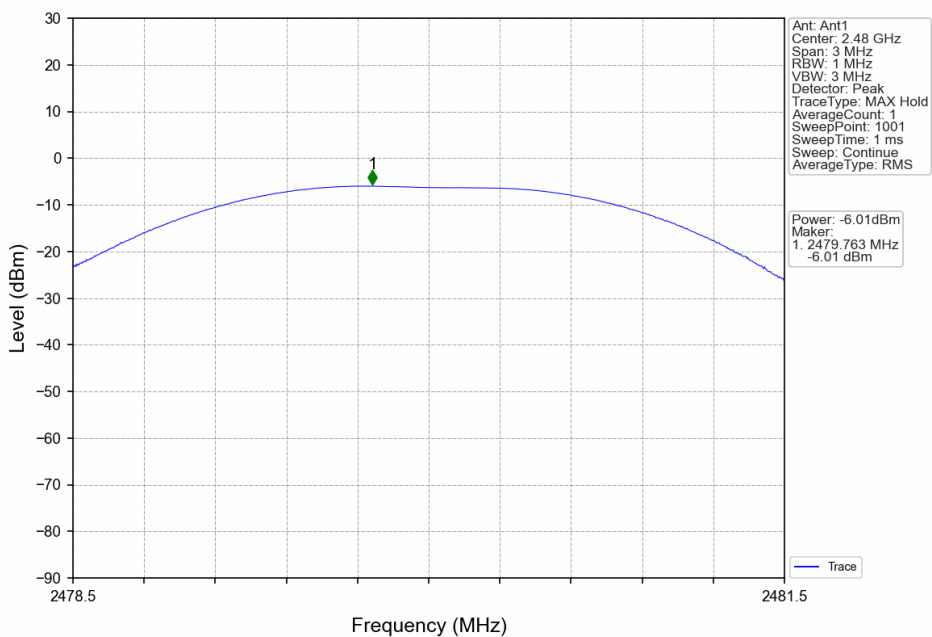
2.2 Test Graph



GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



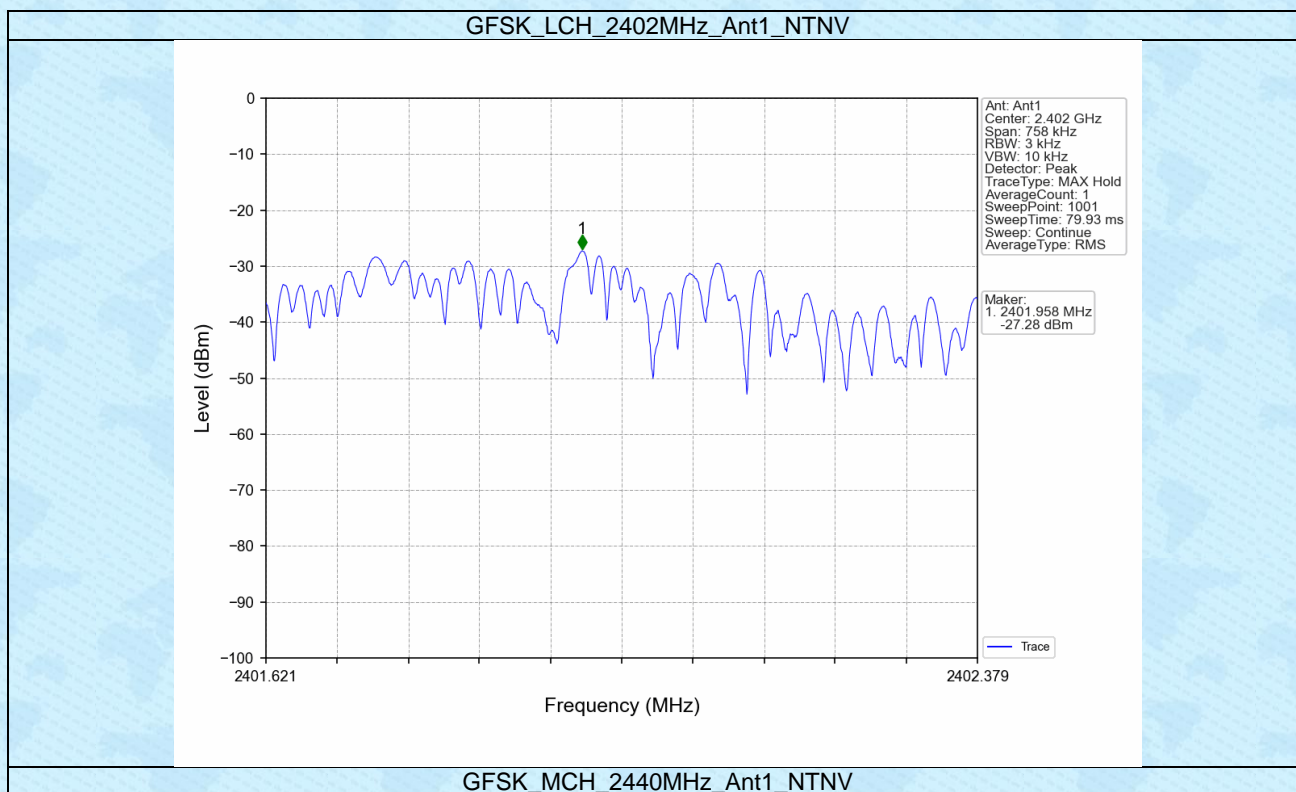
3. Maximum Power Spectral Density

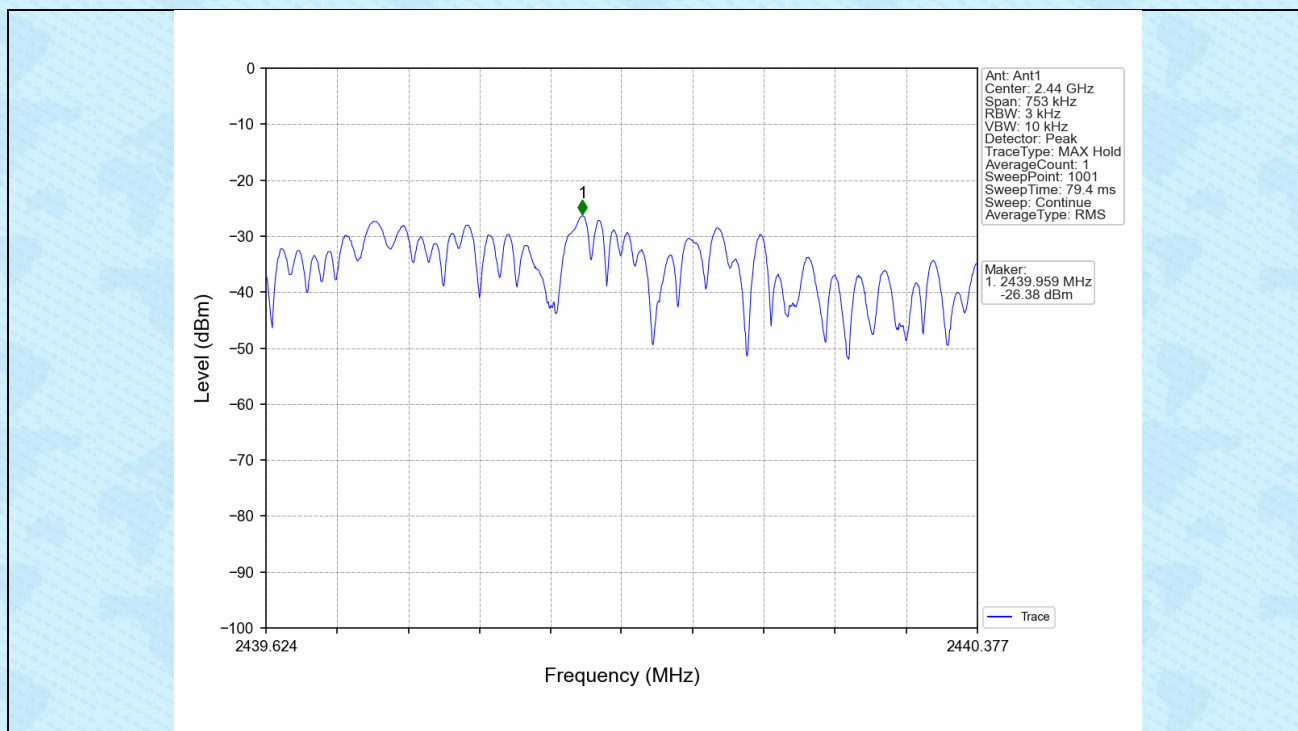
3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
GFSK	SISO	2402	-27.28	<=8	Pass
		2440	-26.38	<=8	Pass
		2480	-25.71	<=8	Pass

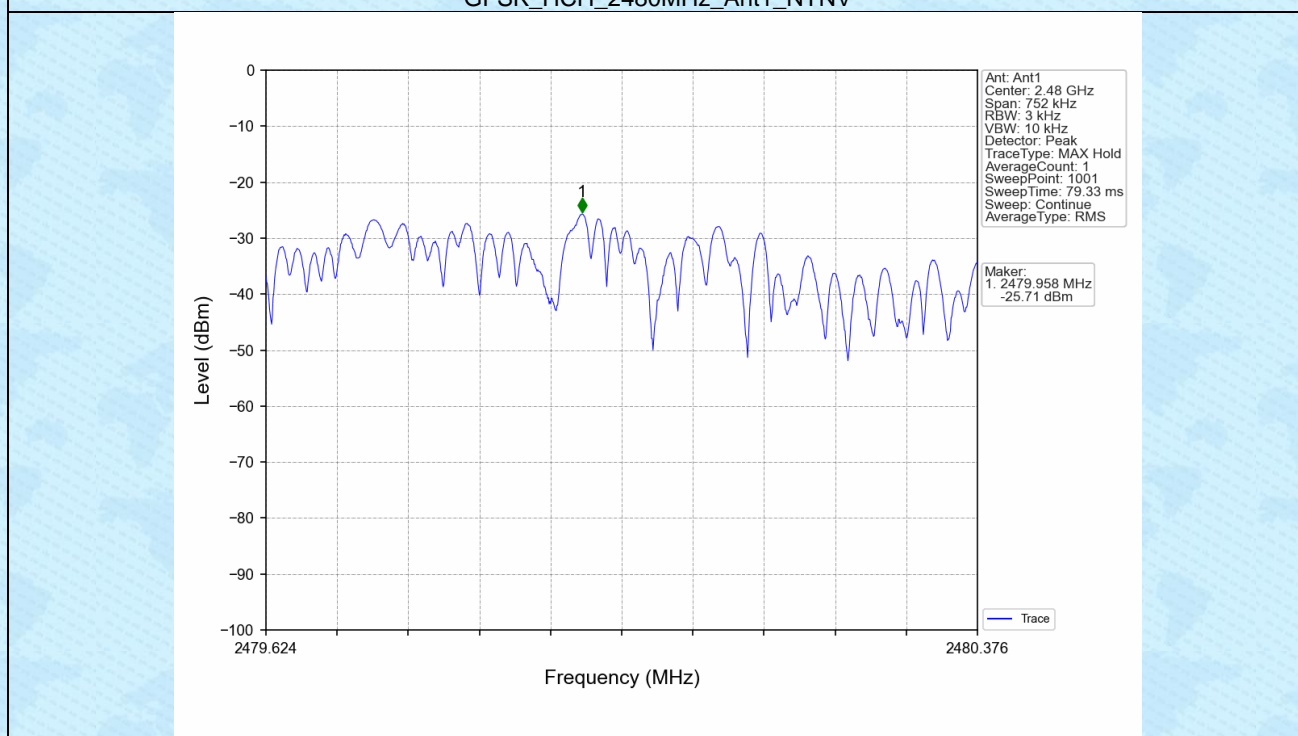
Note1: Antenna Gain: Ant1: 0.00dBi;

3.2 Test Graph





GFSK_HCH_2480MHz_Ant1_NTNV



4. Unwanted Emissions InStandard Non-restricted Frequency Bands

4.1 Ref

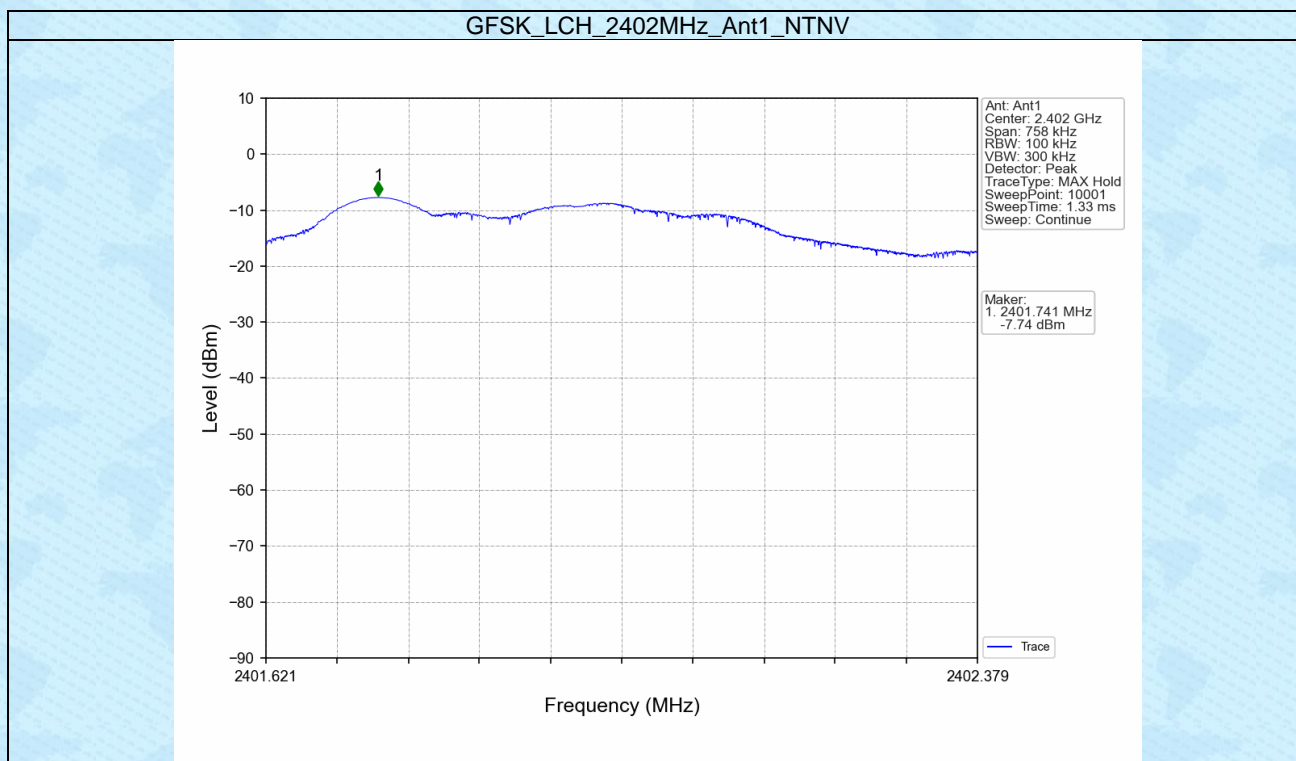
4.1.1 Test Result

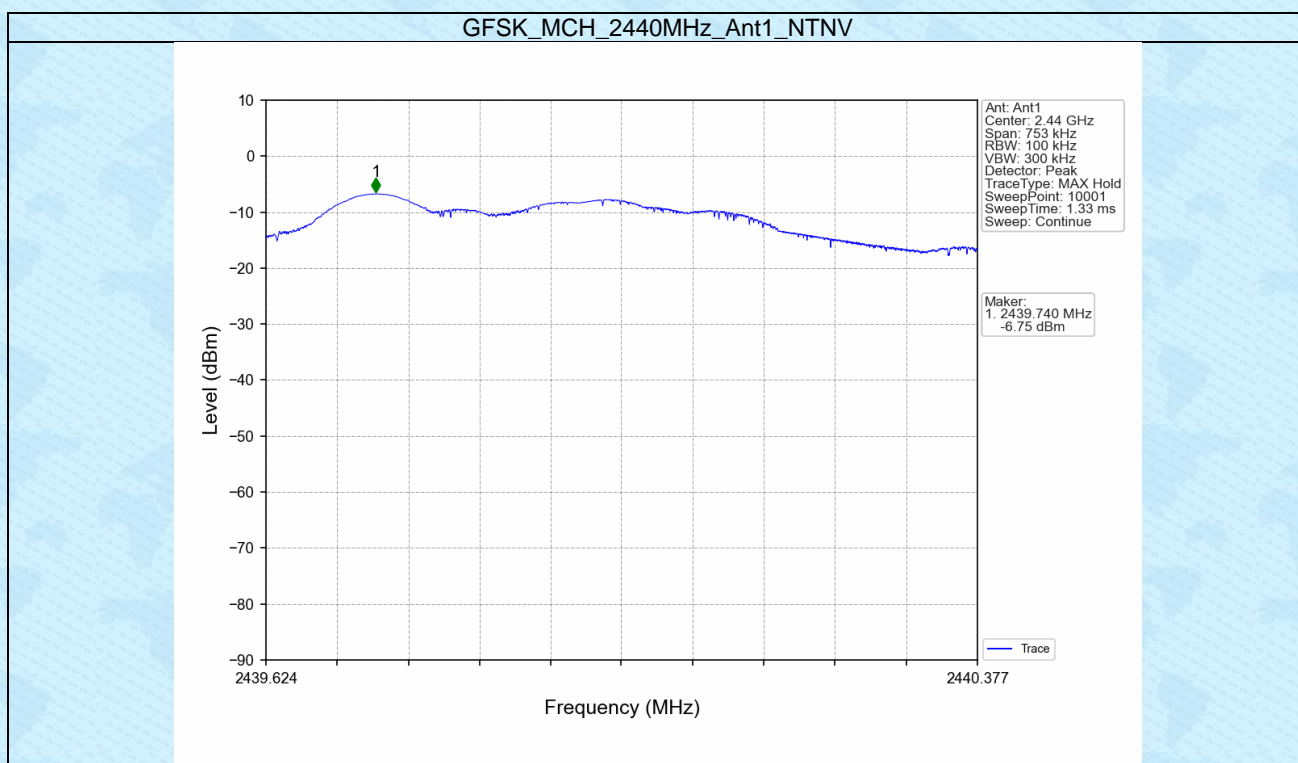
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK	SISO	2402	1	-7.74
		2440	1	-6.75
		2480	1	-6.12

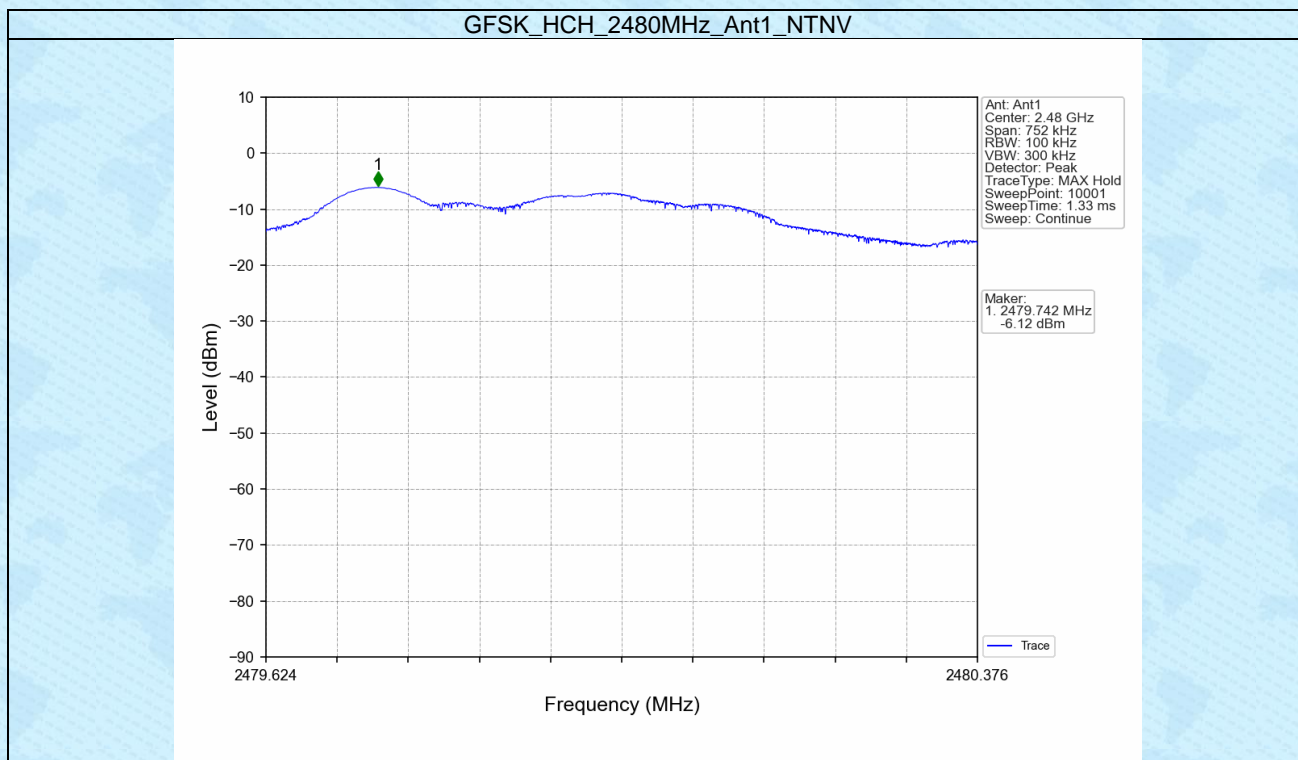
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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







4.2 CSE

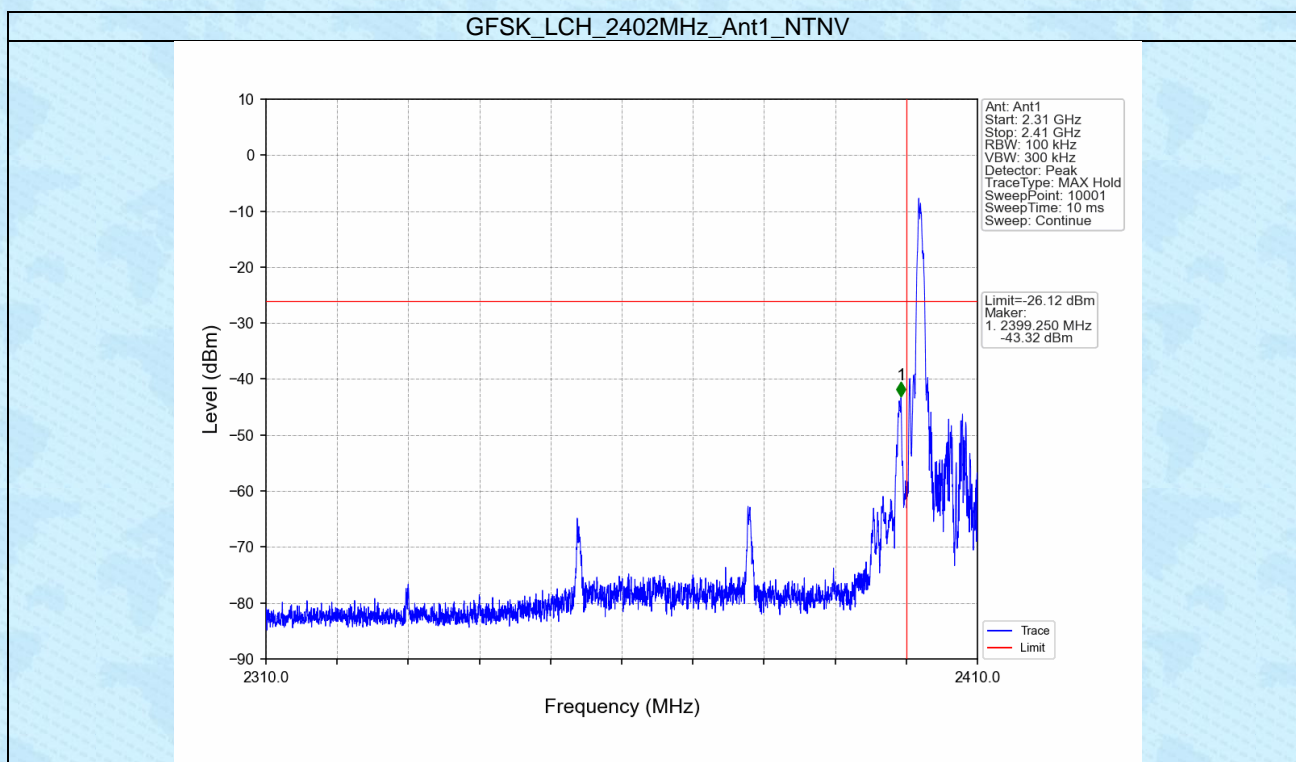
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	1	-6.12	-26.12	Pass
		2440	1	-6.12	-26.12	Pass
		2480	1	-6.12	-26.12	Pass

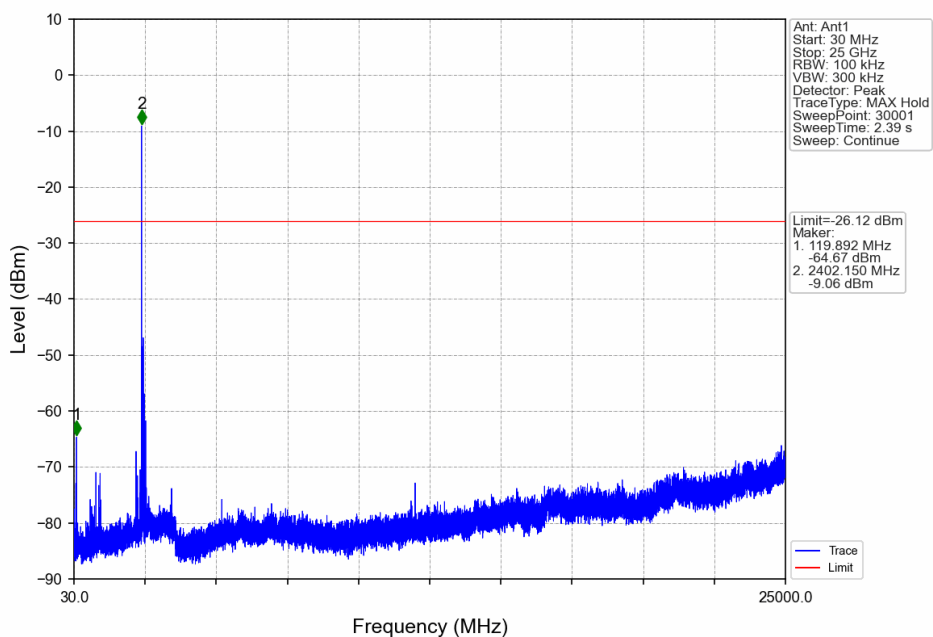
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

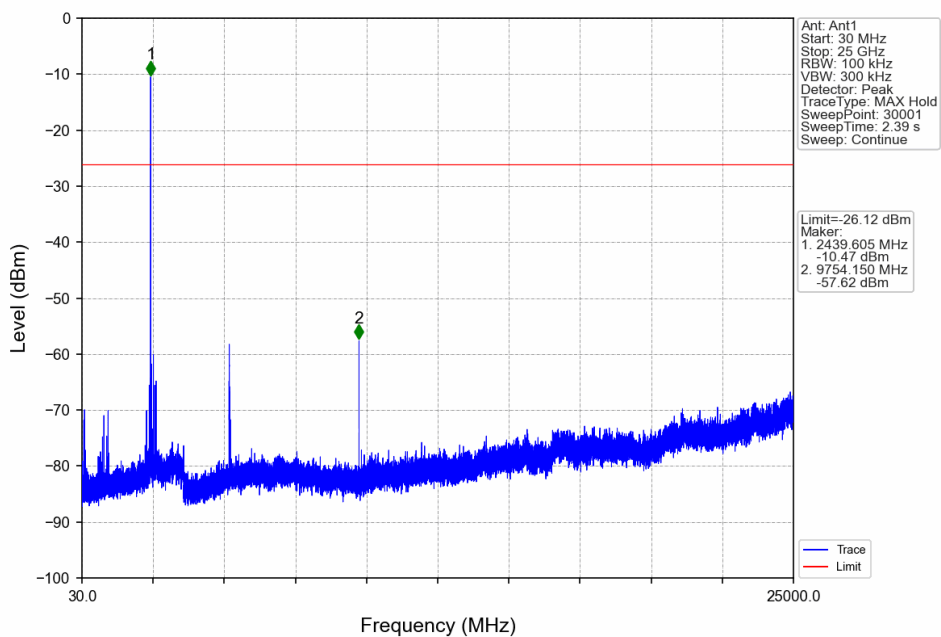
4.2.2 Test Graph



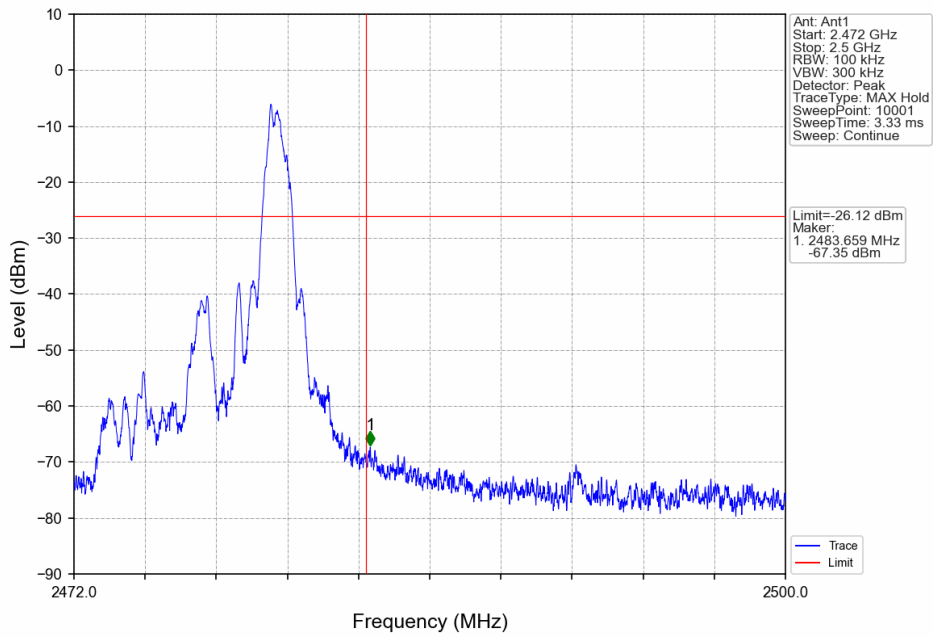
GFSK_LCH_2402MHz_Ant1_NTNV



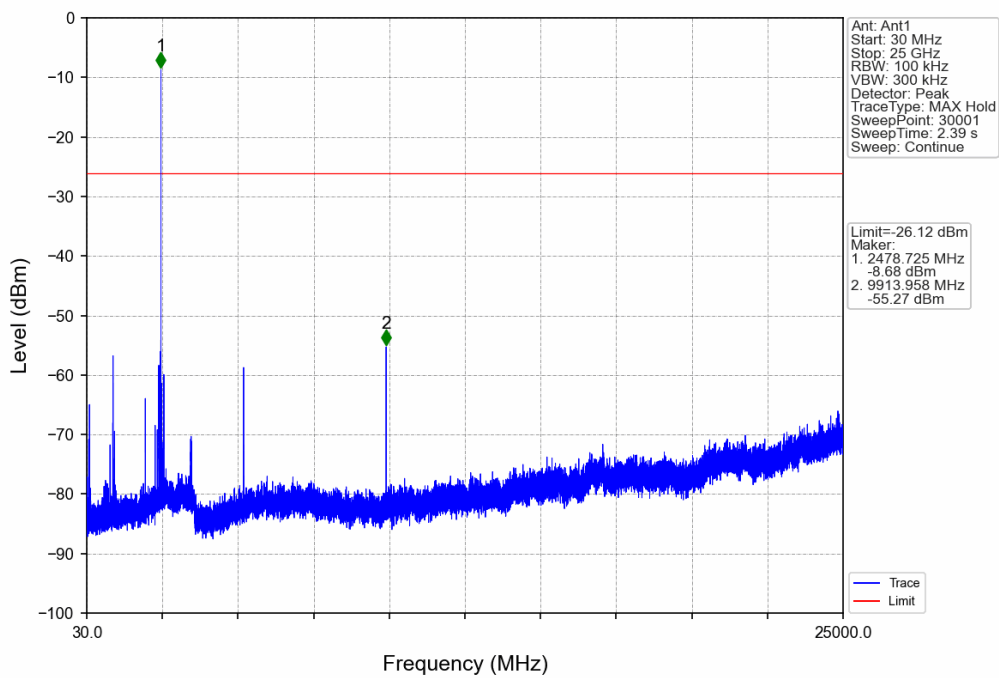
GFSK_MCH_2440MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



GFSK_HCH_2480MHz_Ant1_NTNV



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