Appendix for 15.247

1. Bandwidth

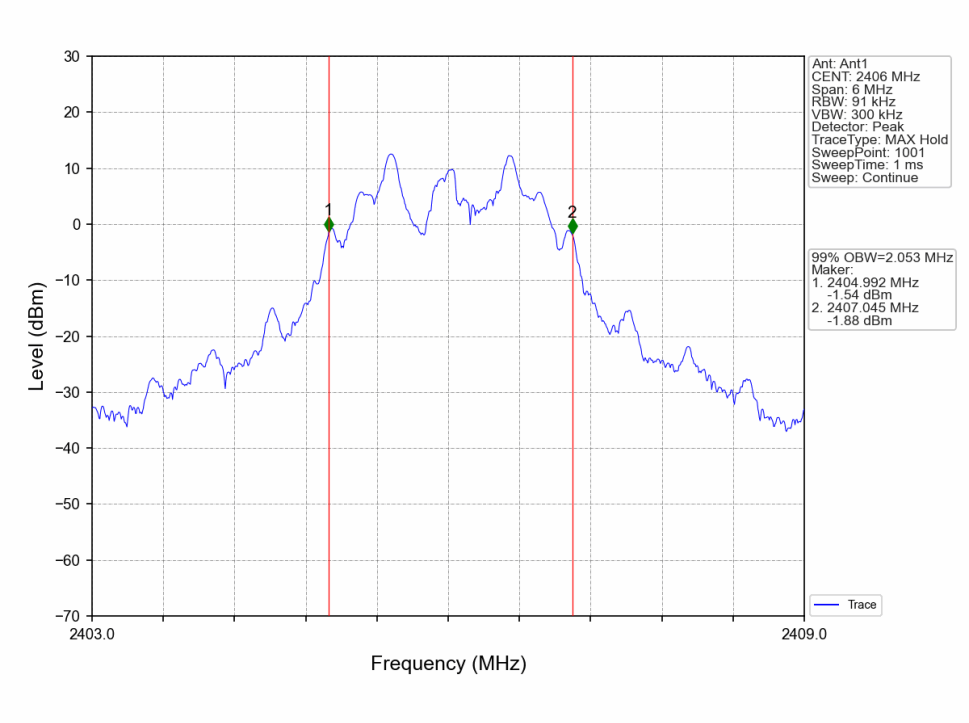
1.1 OBW

1.1.1 Test Result

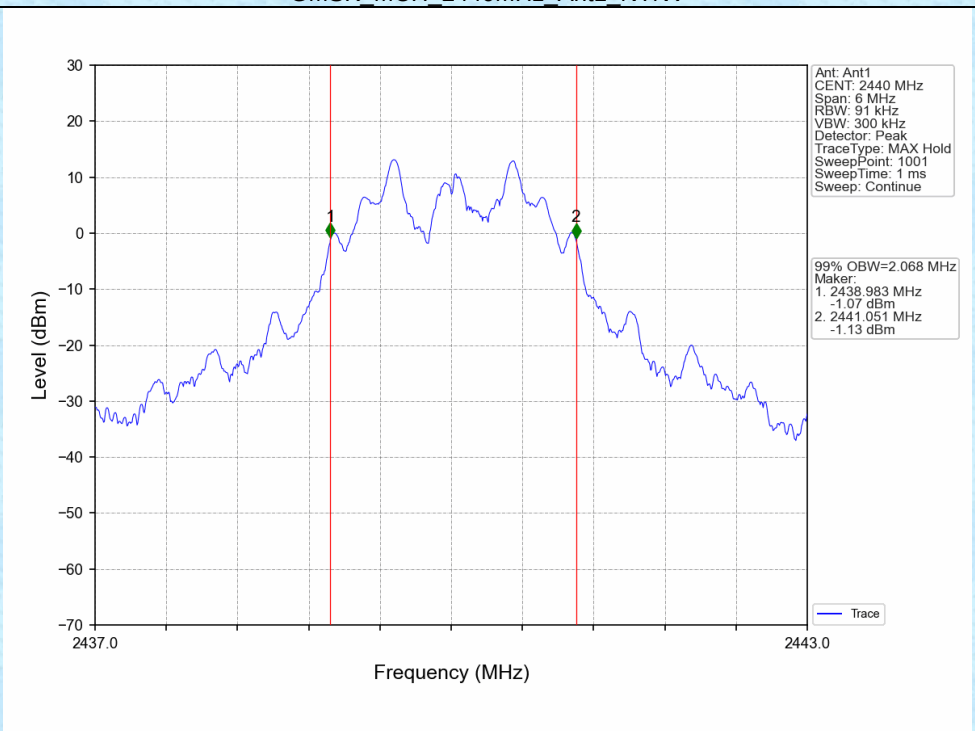
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
GMSK	SISO	2406	1	2.053	Pass
		2440	1	2.068	Pass
		2472	1	2.163	Pass

1.1.2 Test Graph

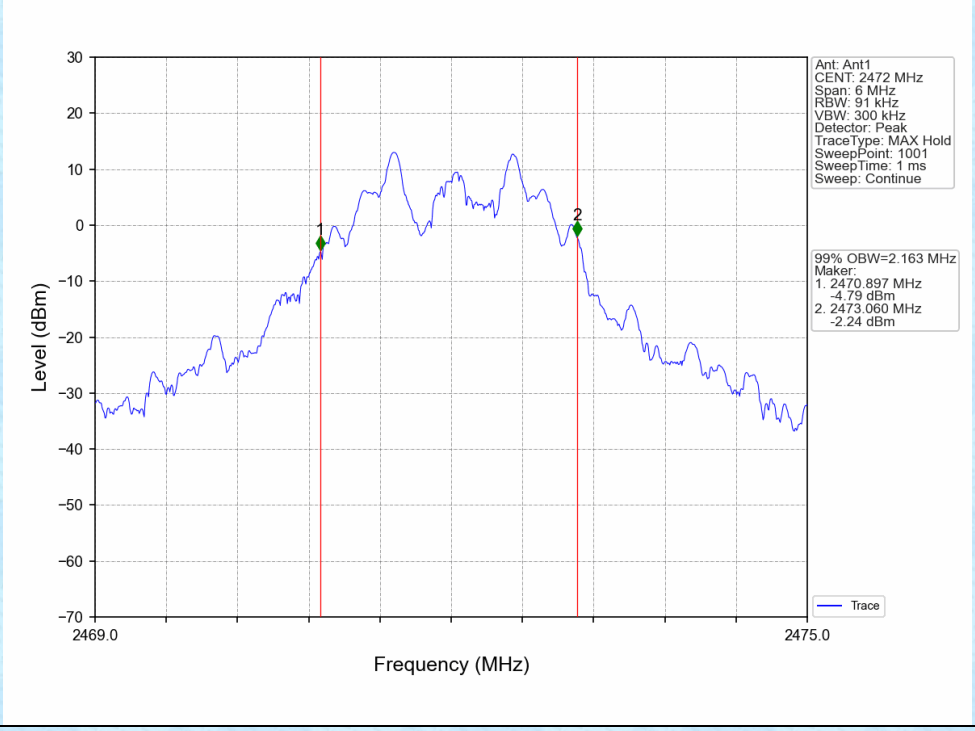
GMSK_LCH_2406MHz_Ant1_NTNV



GMSK_MCH_2440MHz_Ant1_NTNV



GMSK_HCH_2472MHz_Ant1_NTNV



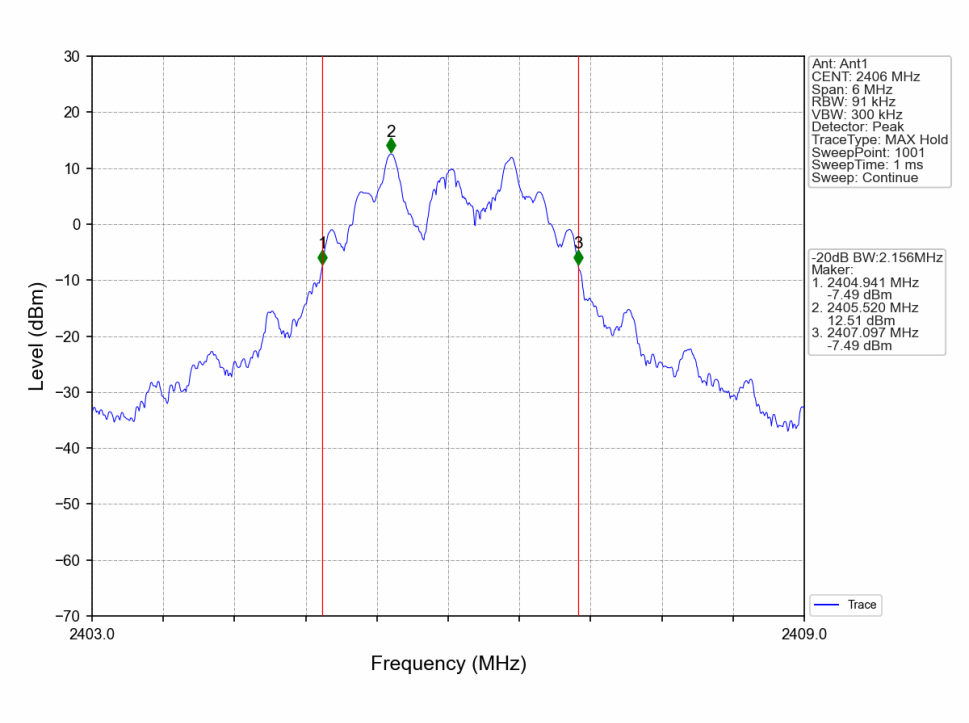
1.2 20dB BW

1.2.1 Test Result

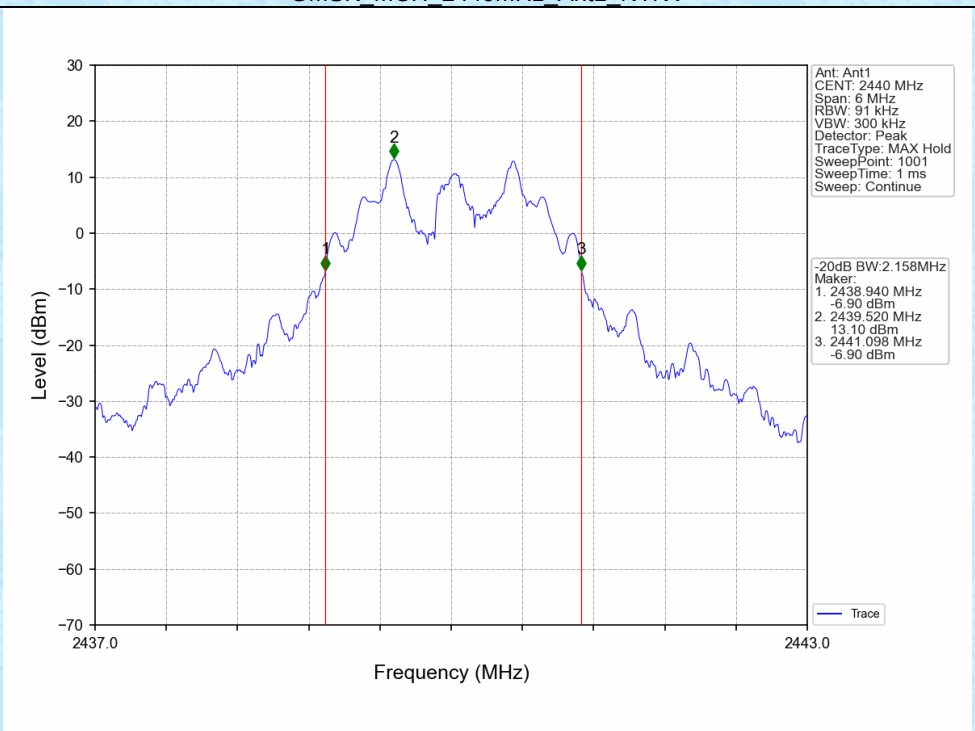
Mode	TX Type	Frequency (MHz)	ANT	20dB Bandwidth (MHz) Result	Verdict
GMSK	SISO	2406	1	2.156	Pass
		2440	1	2.158	Pass
		2472	1	2.287	Pass

1.2.2 Test Graph

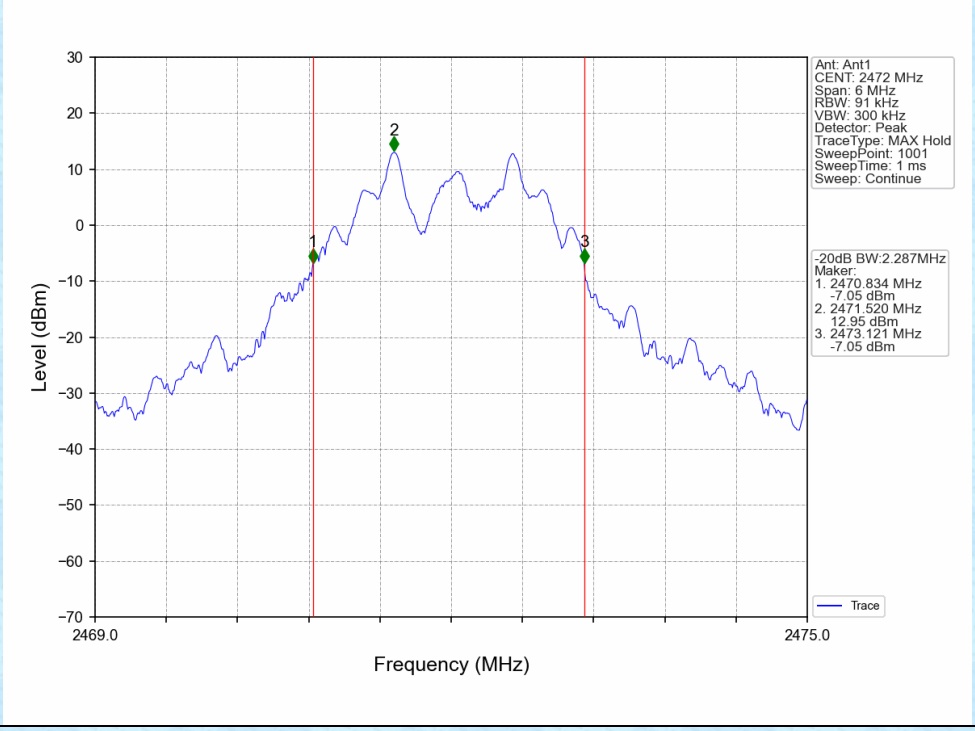
GMSK_LCH_2406MHz_Ant1_NTNV



GMSK_MCH_2440MHz_Ant1_NTNV



GMSK_HCH_2472MHz_Ant1_NTNV



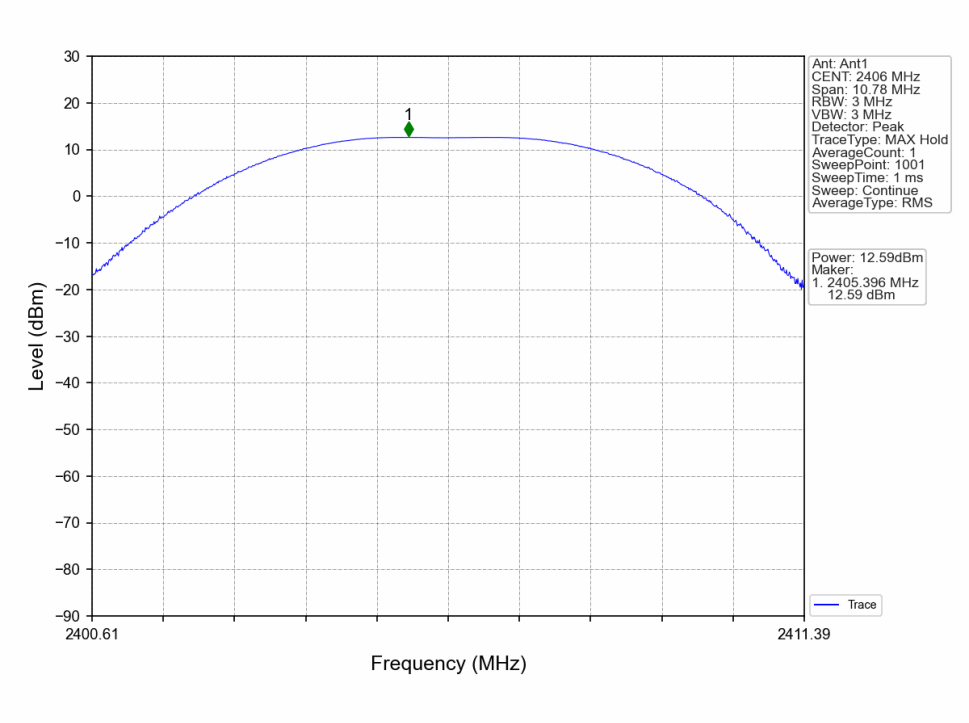
2. Maximum Conducted Output Power

2.1 Test Result

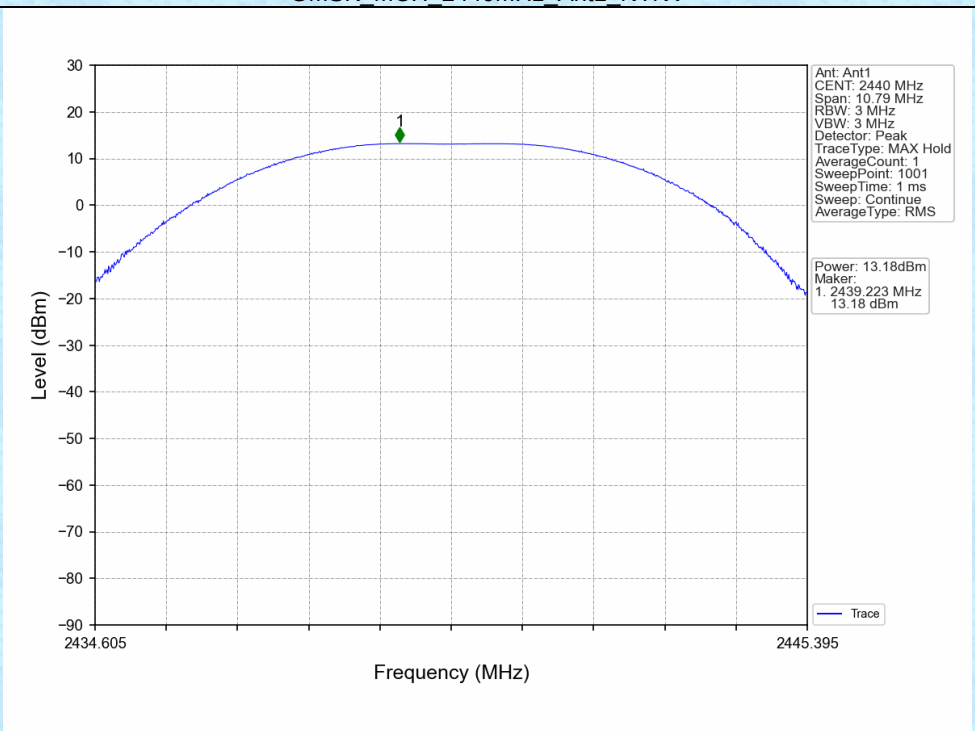
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GMSK	SISO	2406	12.59	<=20.97	Pass
		2440	13.18	<=20.97	Pass
		2472	13.04	<=20.97	Pass

2.2 Test Graph

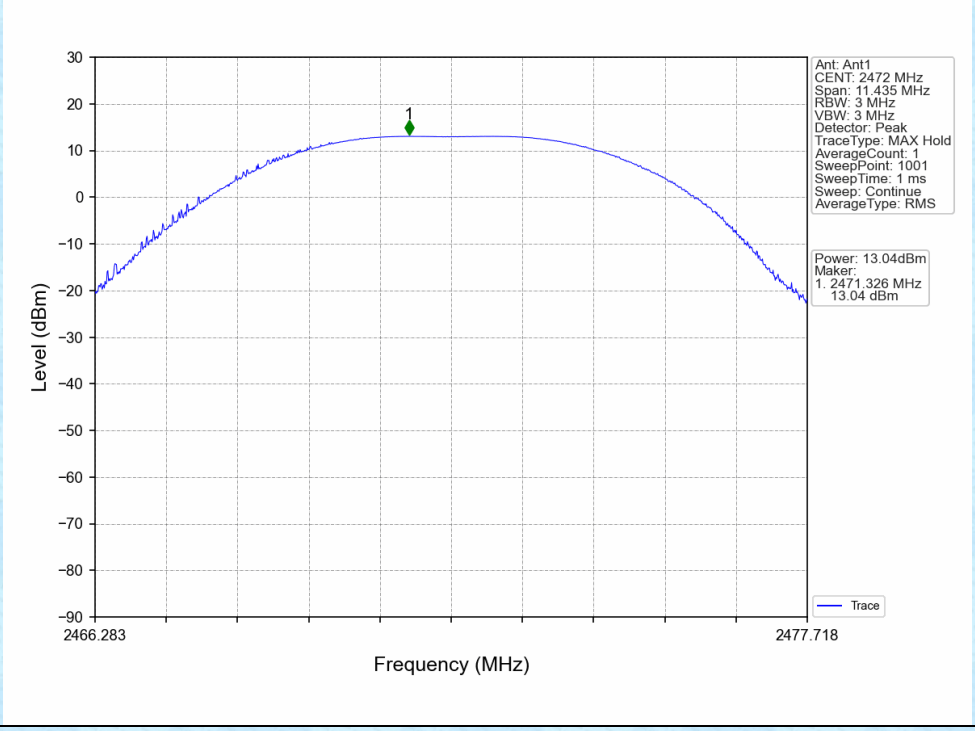
GMSK_LCH_2406MHz_Ant1_NTNV



GMSK_MCH_2440MHz_Ant1_NTNV



GMSK_HCH_2472MHz_Ant1_NTNV



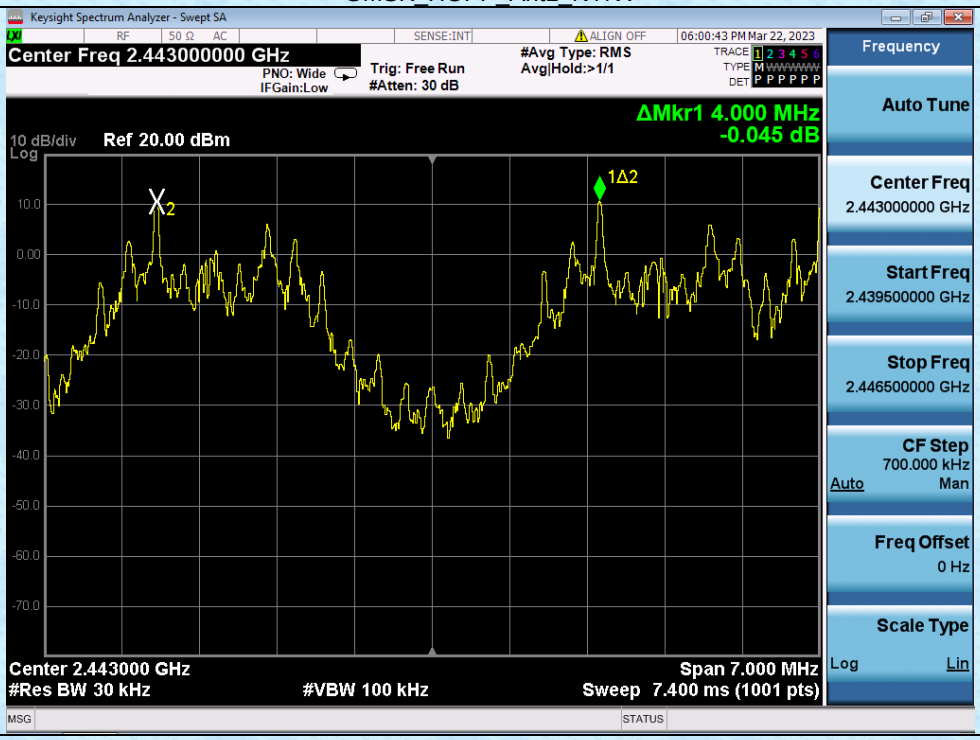
3. Carrier Frequency Separation

3.1 Test Result

Ant1						
Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GMSK	SISO	HOPP	4.000	2.287	>=1.525	Pass

3.2 Test Graph

GMSK_HOPP_Ant1_NTNV



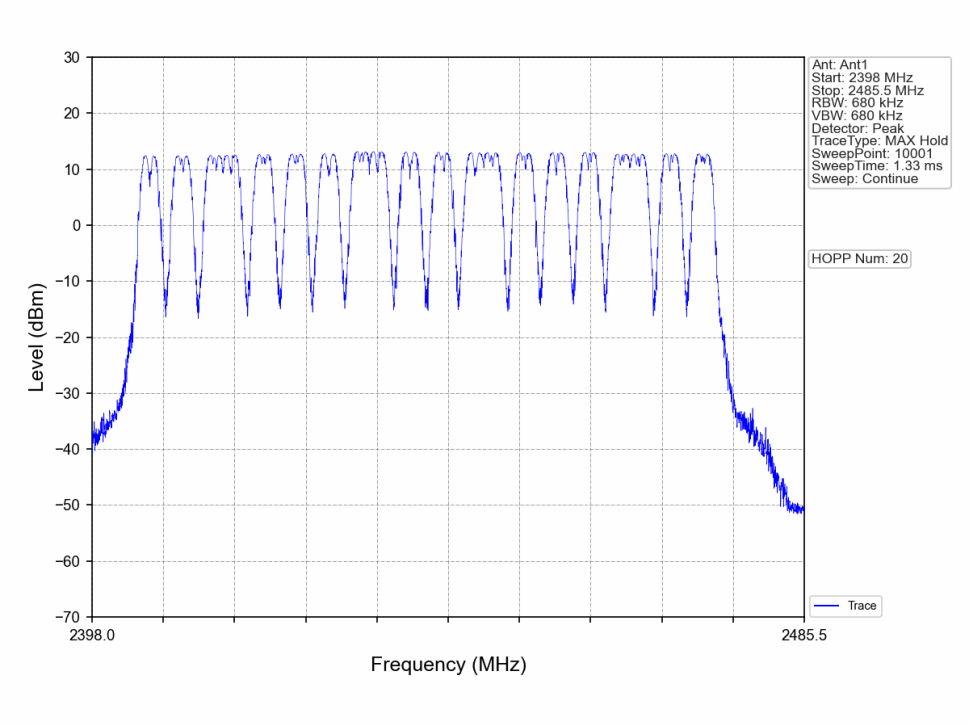
4. Number of Hopping Frequencies

4.1 Test Result

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies		Verdict
			ANT1	Limit	
GMSK	SISO	HOPP	20	>=15	Pass

4.2 Test Graph

GMSK_HOPP_Ant1_NTNV



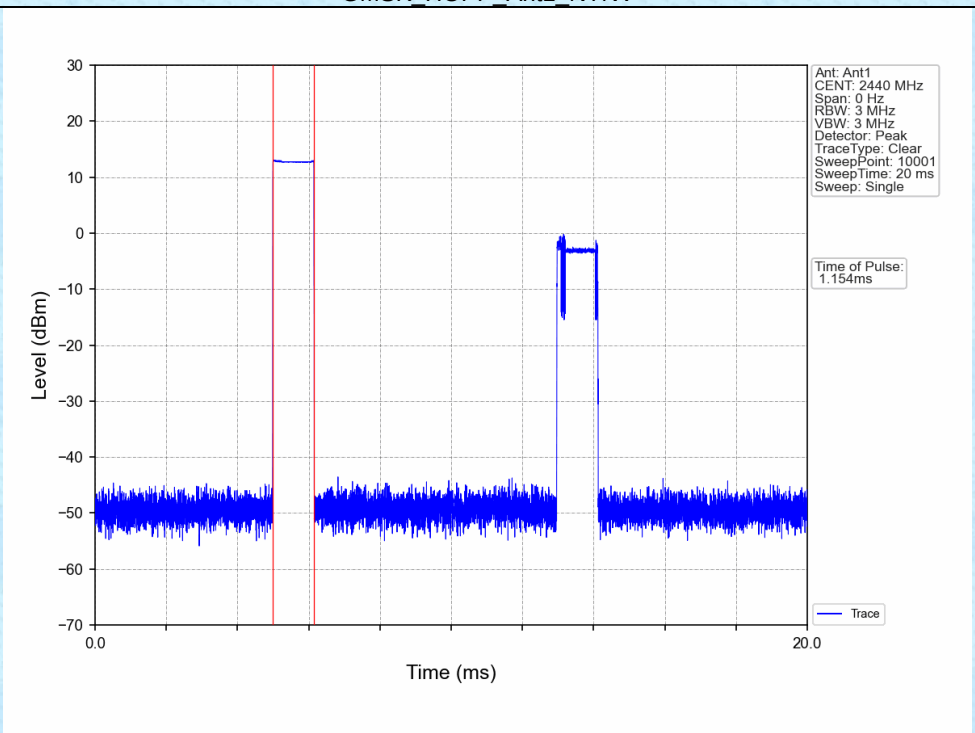
5. Time of Occupancy (Dwell Time)

5.1 Test Result

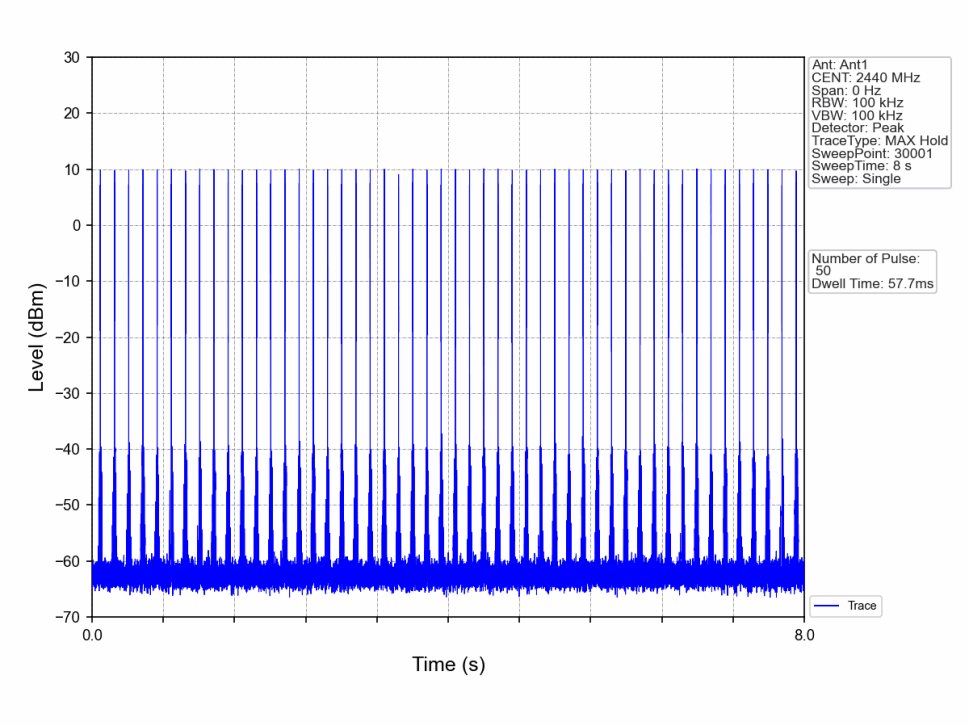
Ant1								
Mode	TX Type	Frequency (MHz)	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GMSK	SISO	HOPP	1.154	8.000	50	57.700	<=400	Pass

5.2 Test Graph

GMSK_HOPP_Ant1_NTNV



GMSK_HOPP_Ant1_NTNV



6. Unwanted Emissions In Non-restricted Frequency Bands

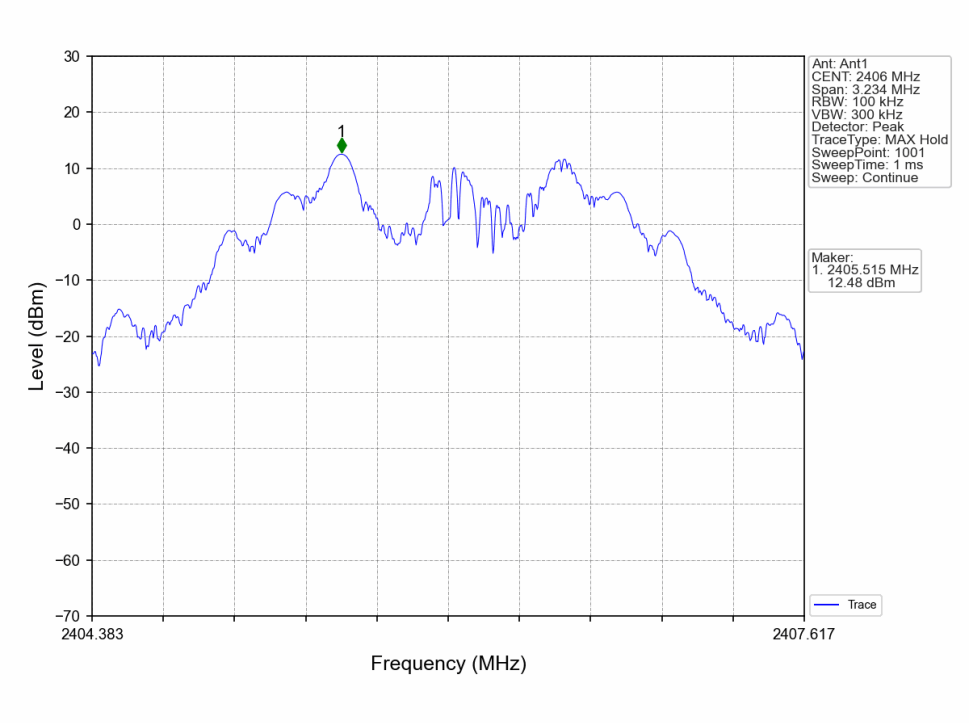
6.1 Ref

6.1.1 Test Result

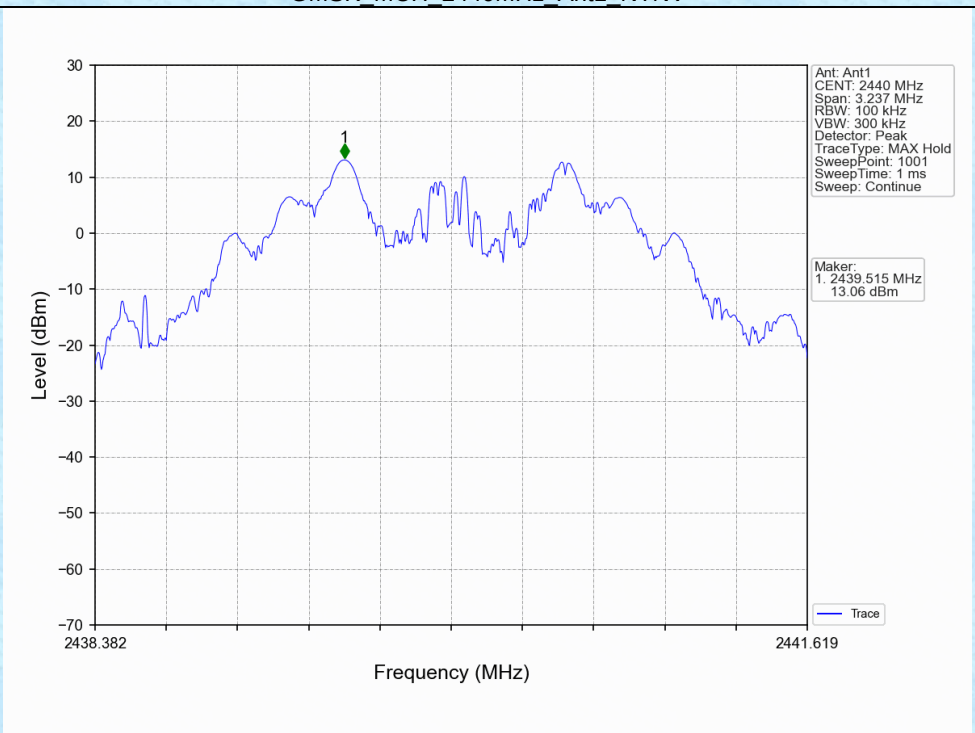
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GMSK	SISO	2406	1	12.48
		2440	1	13.06
		2472	1	12.91
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

6.1.2 Test Graph

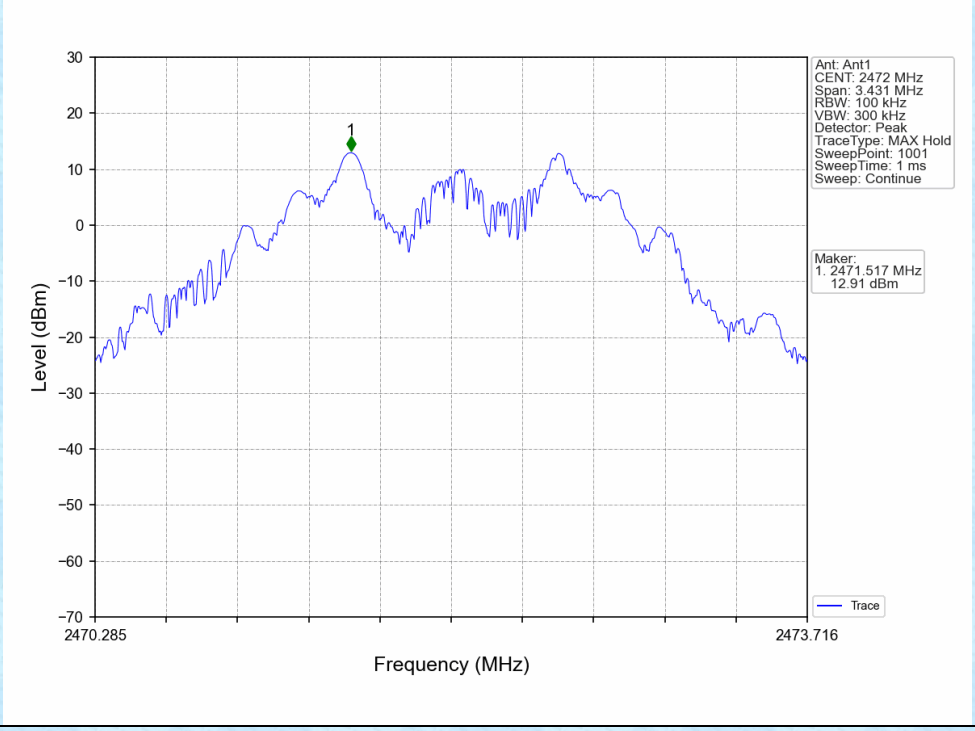
GMSK_LCH_2406MHz_Ant1_NTNV



GMSK_MCH_2440MHz_Ant1_NTNV



GMSK_HCH_2472MHz_Ant1_NTNV



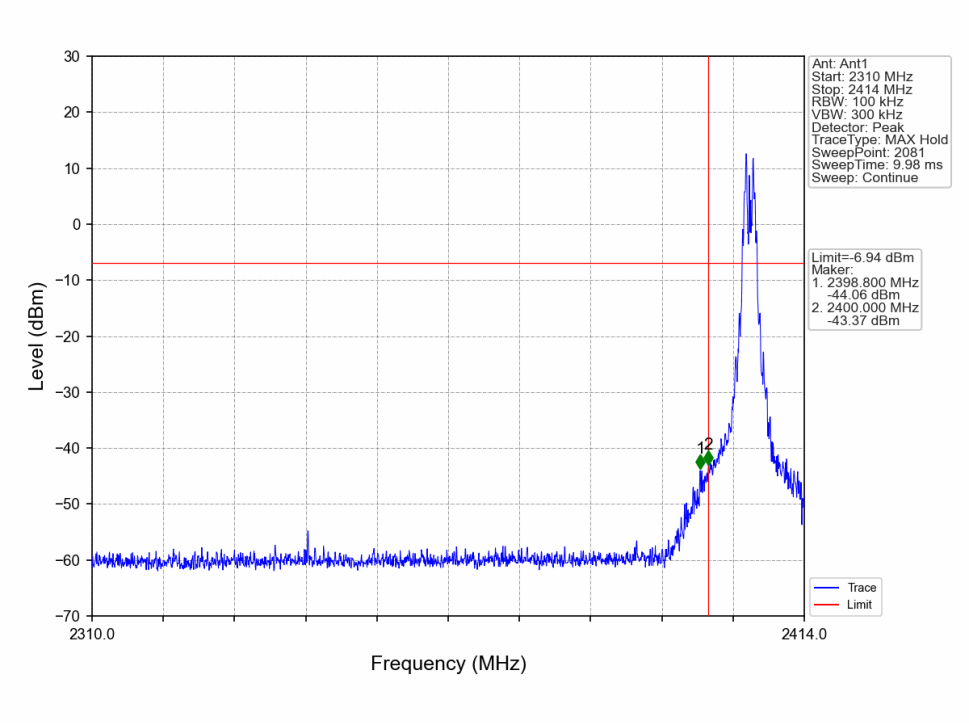
6.2 CSE

6.2.1 Test Result

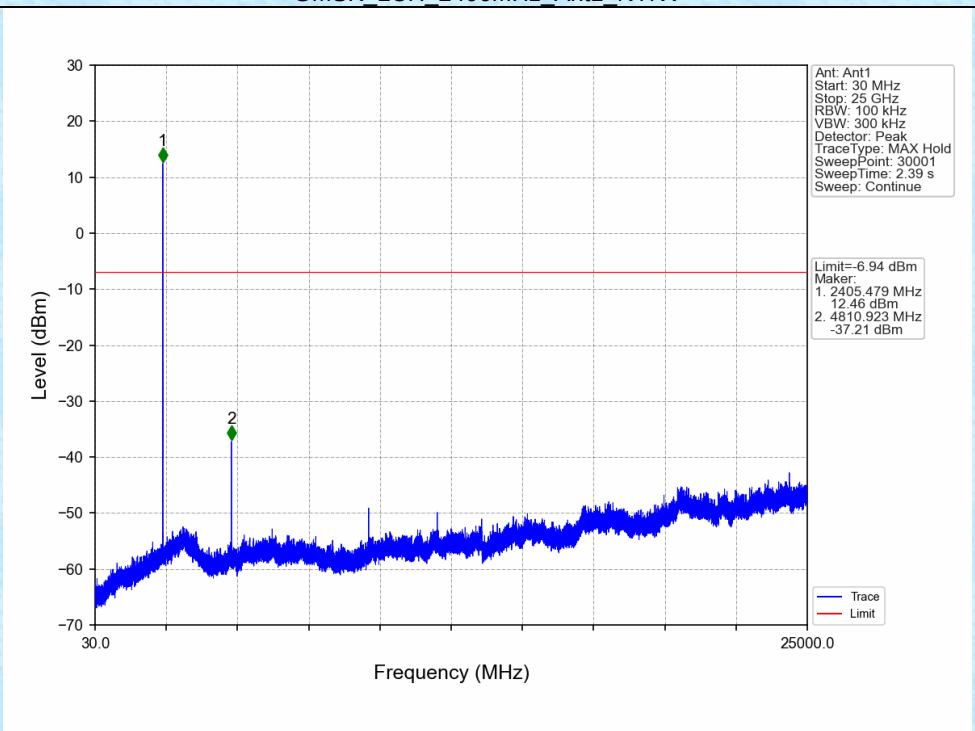
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GMSK	SISO	2406	1	13.06	-6.94	Pass
		2440	1	13.06	-6.94	Pass
		2472	1	13.06	-6.94	Pass
		HOPP	1	13.06	-6.94	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

6.2.2 Test Graph

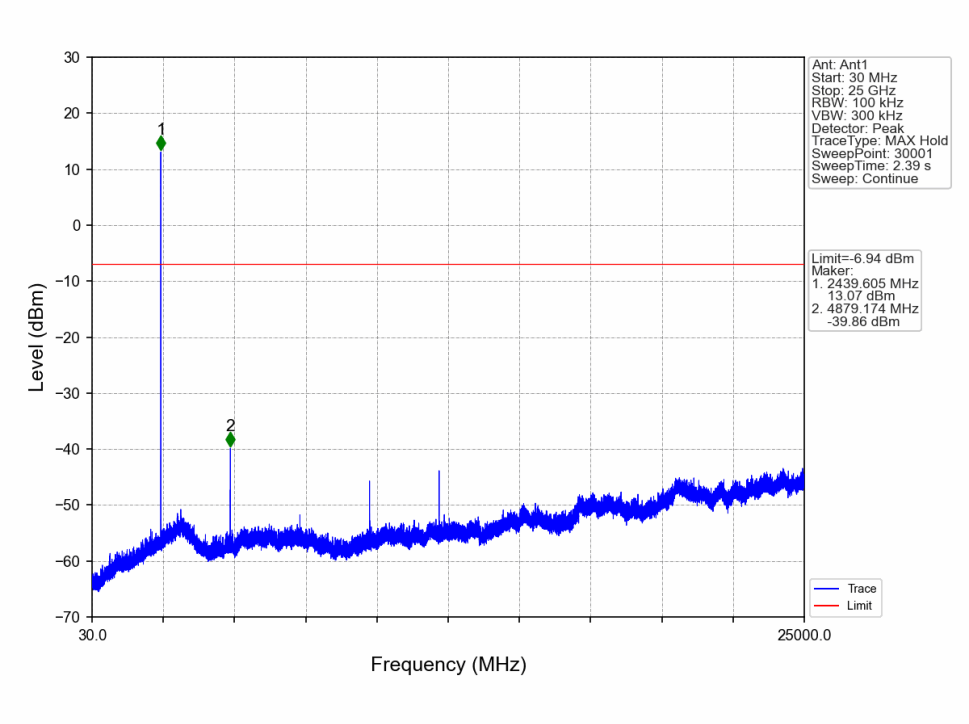
GMSK_LCH_2406MHz_Ant1_NTNV



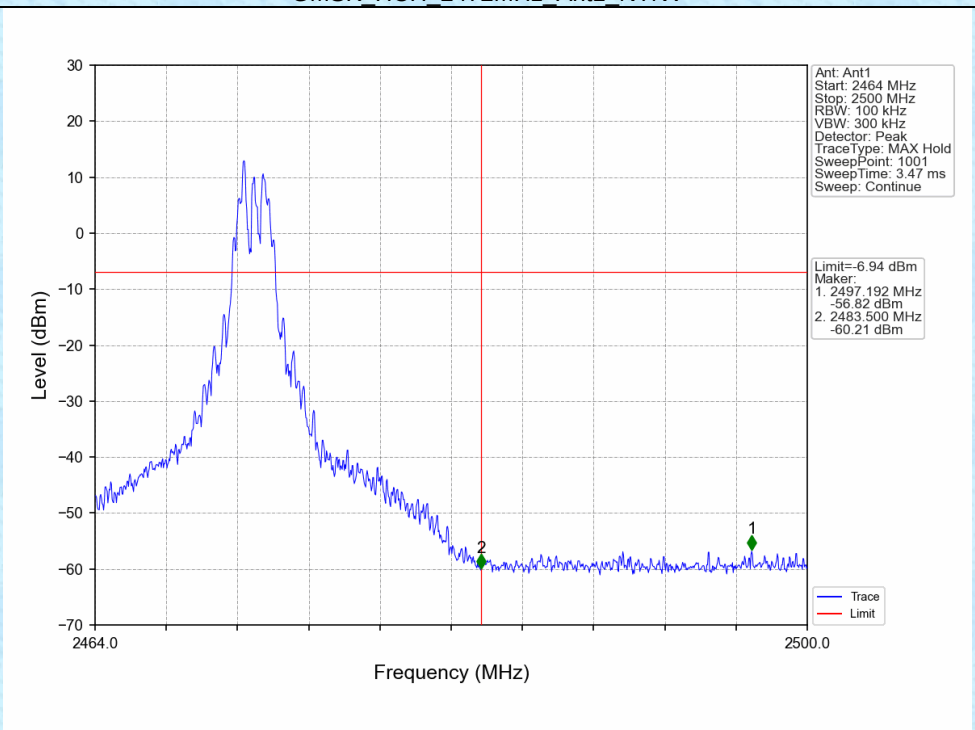
GMSK_LCH_2406MHz_Ant1_NTNV



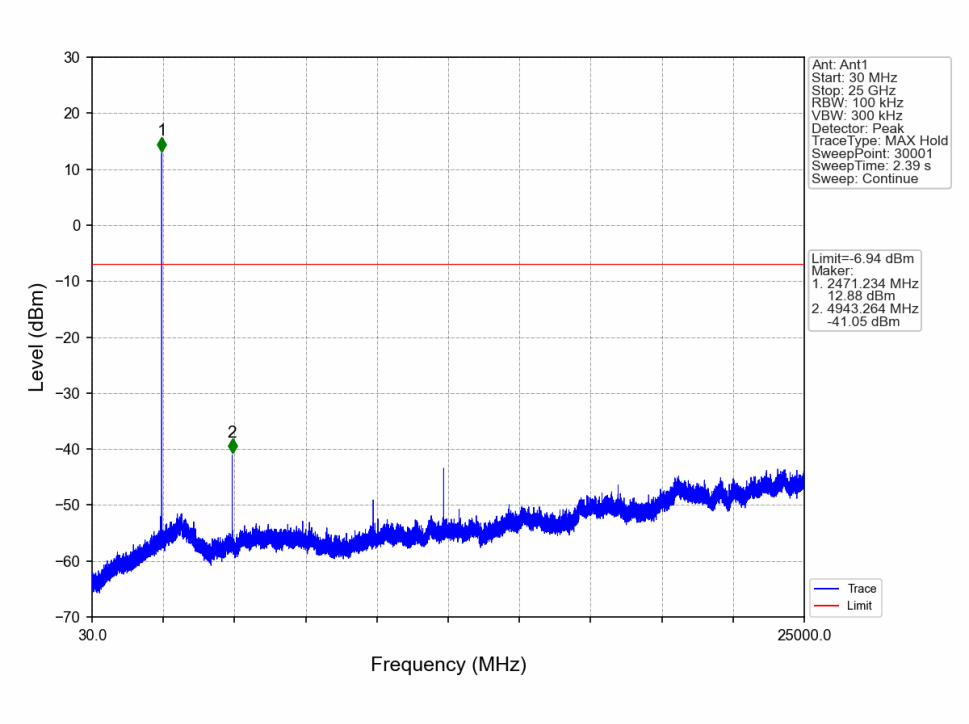
GMSK_MCH_2440MHz_Ant1_NTNV



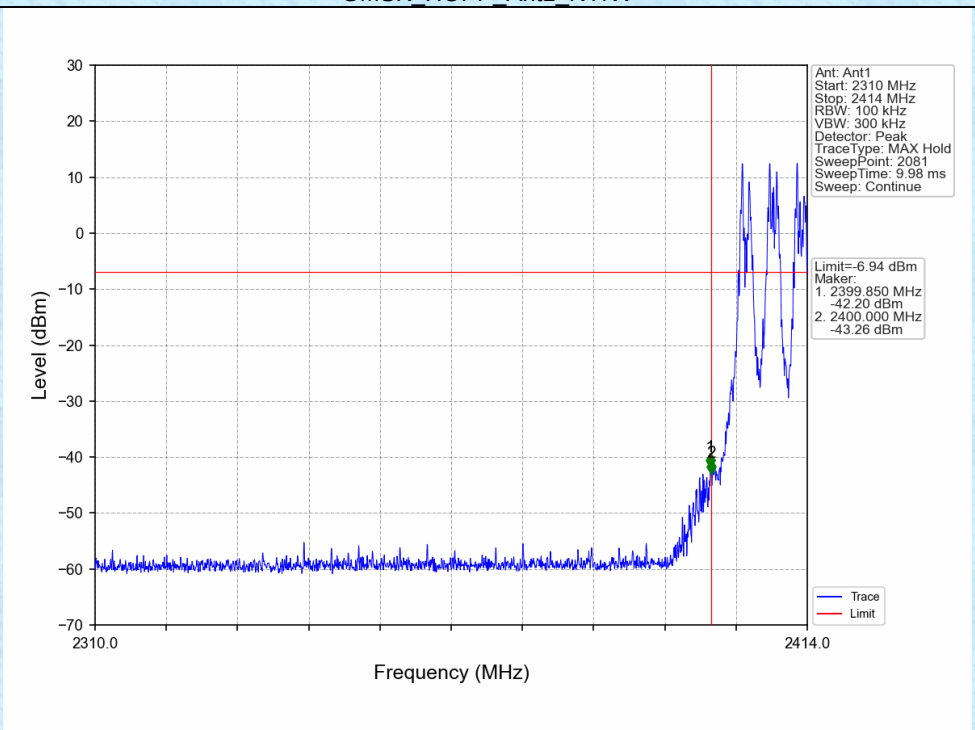
GMSK_HCH_2472MHz_Ant1_NTNV



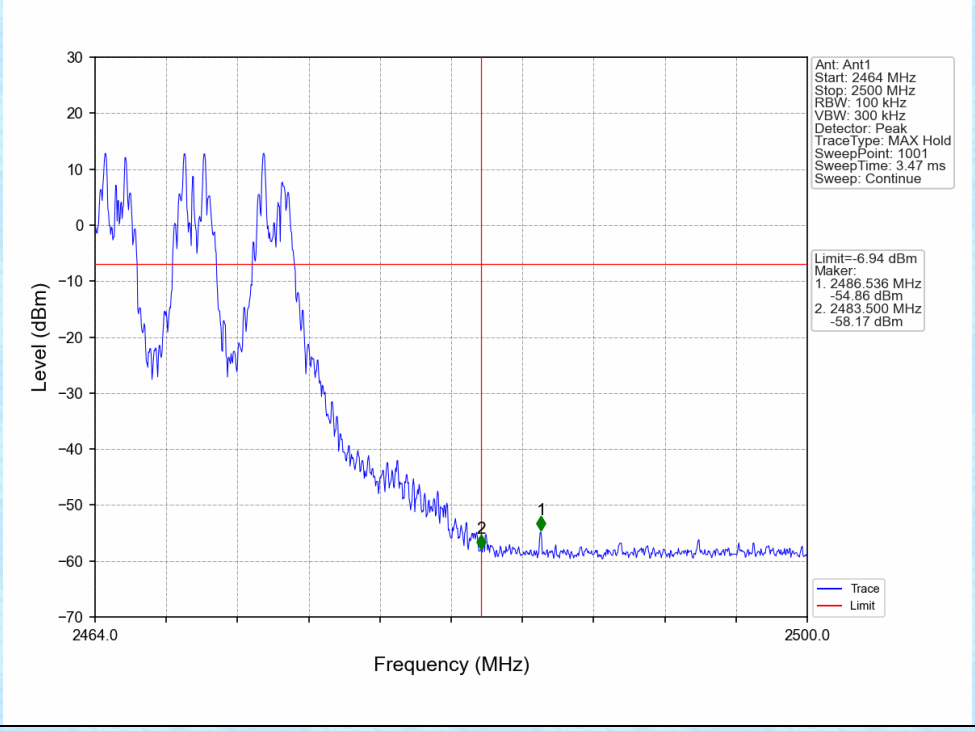
GMSK_HCH_2472MHz_Ant1_NTNV



GMSK_HOPP_Ant1_NTNV



GMSK_HOPP_Ant1_NTNV



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