

Appendix for 15.247

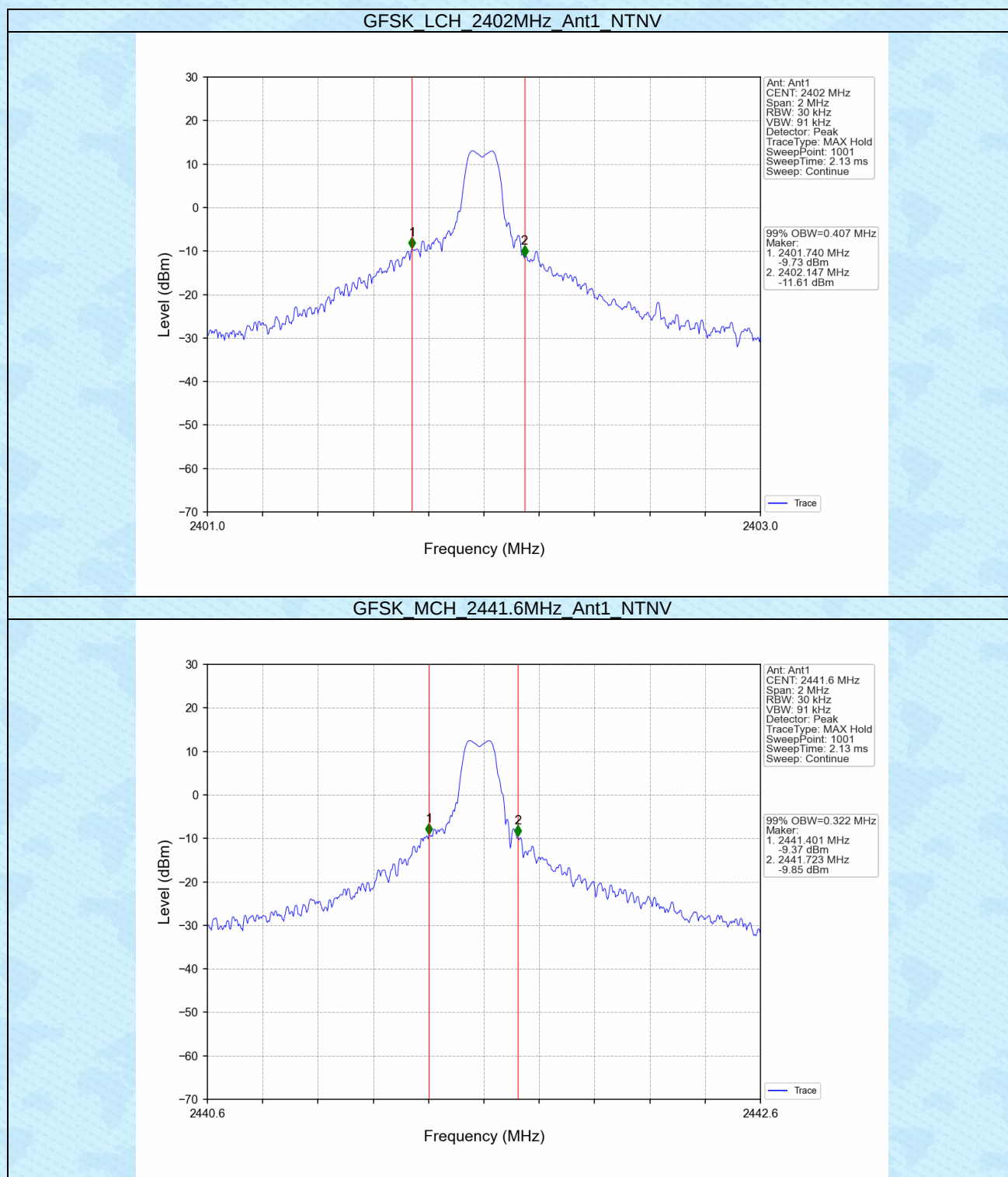
1. Bandwidth

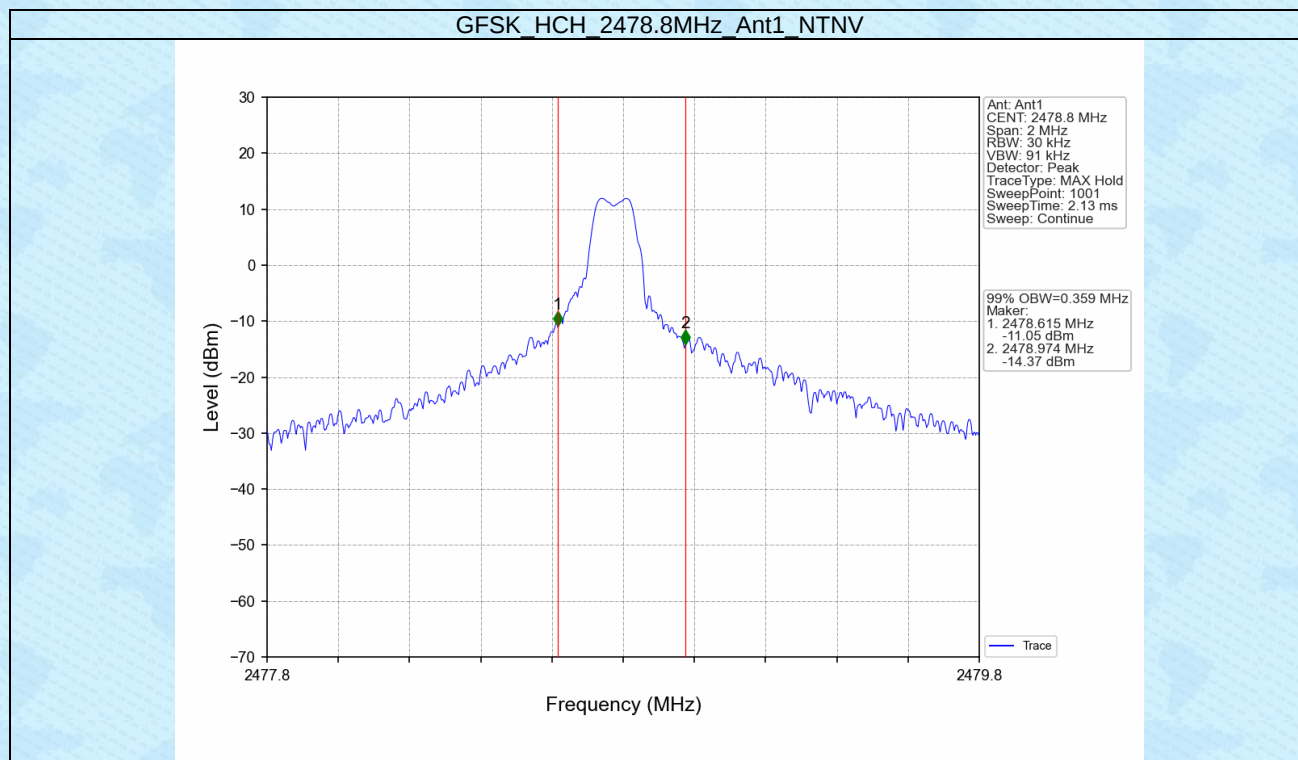
1.1 OBW

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
GFSK	SISO	2402	1	0.407	Pass
		2441.6	1	0.322	Pass
		2478.8	1	0.359	Pass

1.1.2 Test Graph



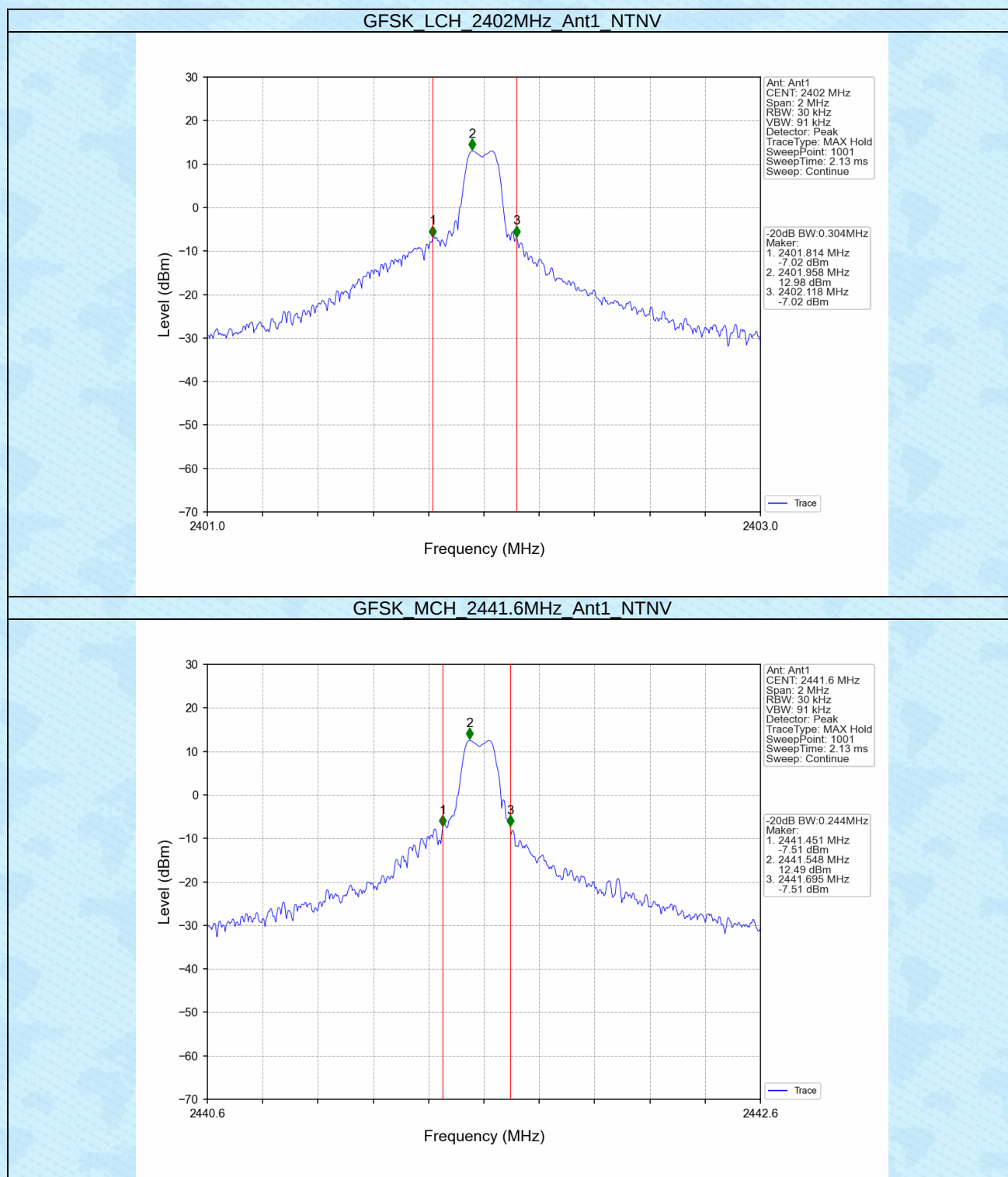


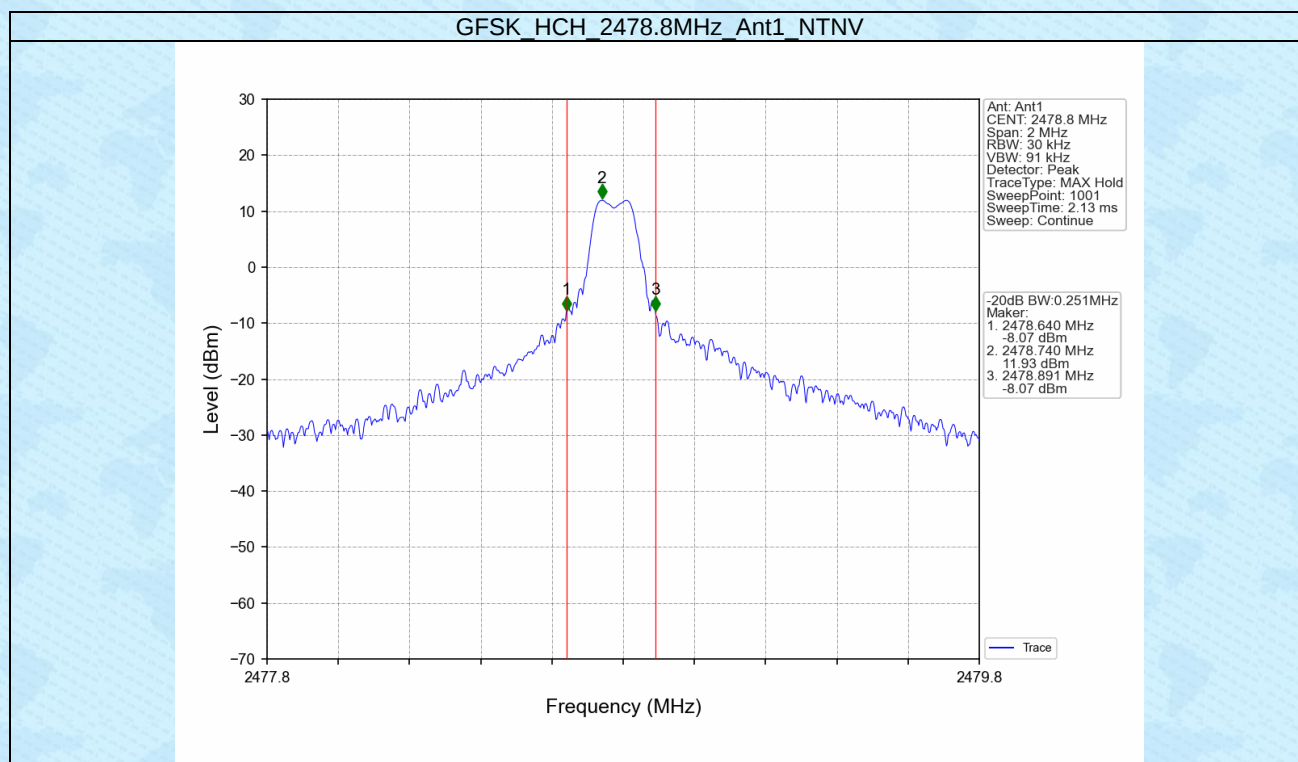
1.2 20dB BW

1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	20dB Bandwidth (MHz)	Verdict
				Result	
GFSK	SISO	2402	1	0.304	Pass
		2441.6	1	0.244	Pass
		2478.8	1	0.251	Pass

1.2.2 Test Graph



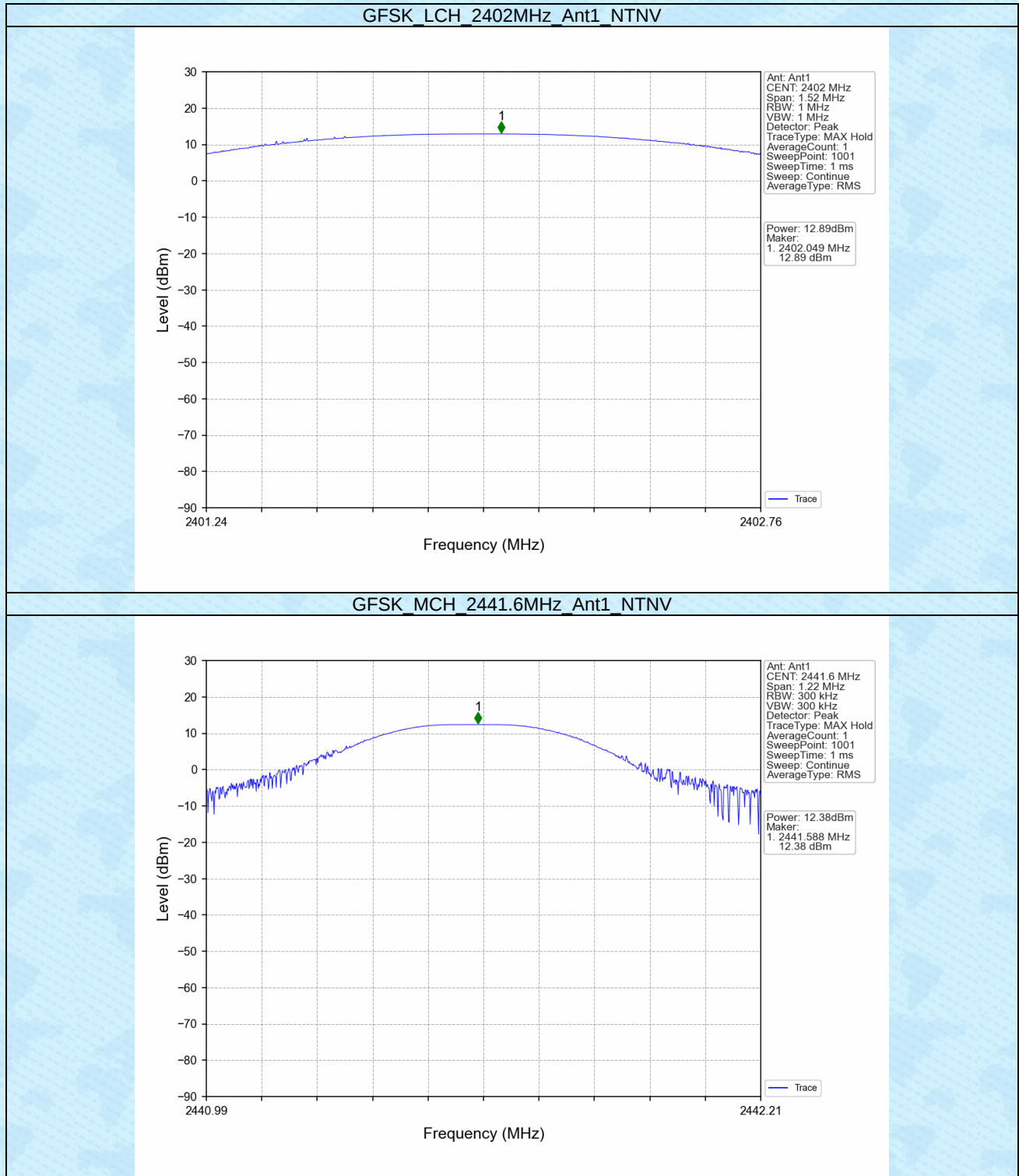


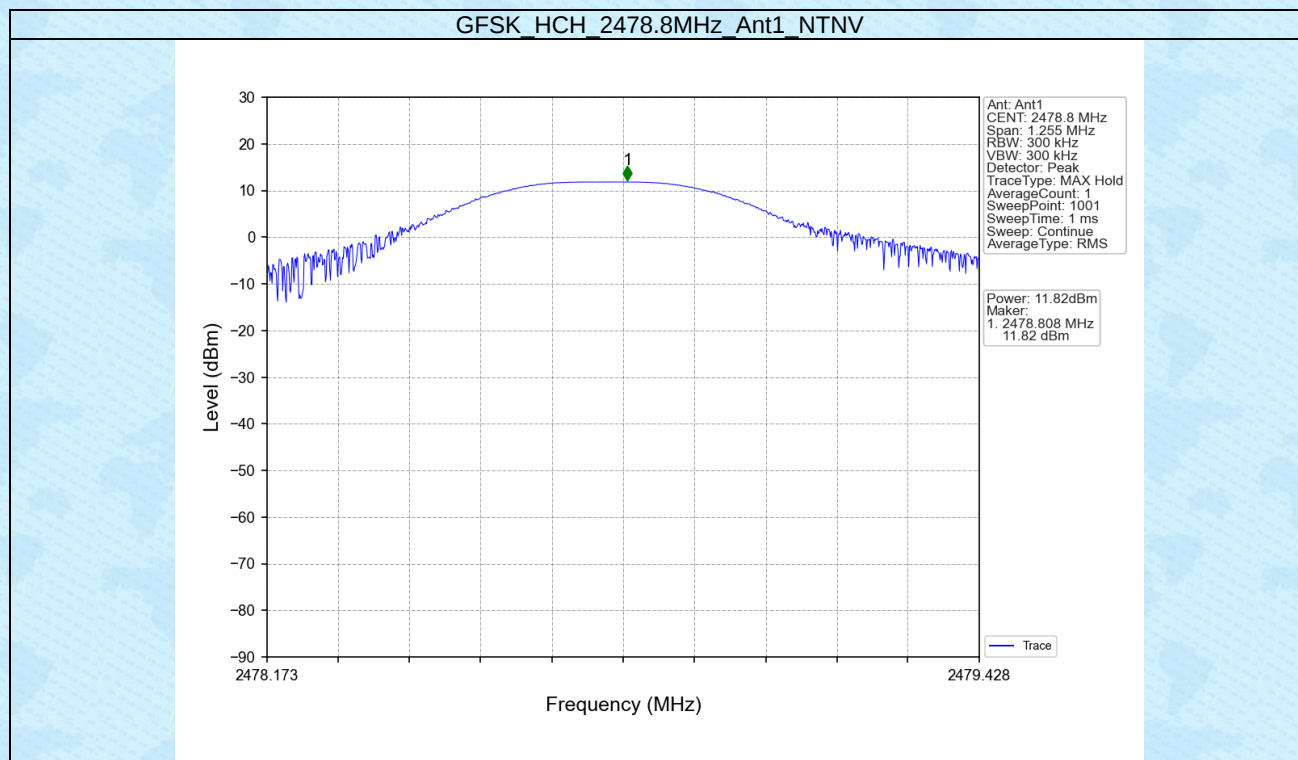
2. Maximum Conducted Output Power

2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2402	12.89	≤ 20.97	Pass
		2441.6	12.38	≤ 20.97	Pass
		2478.8	11.82	≤ 20.97	Pass

2.2 Test Graph



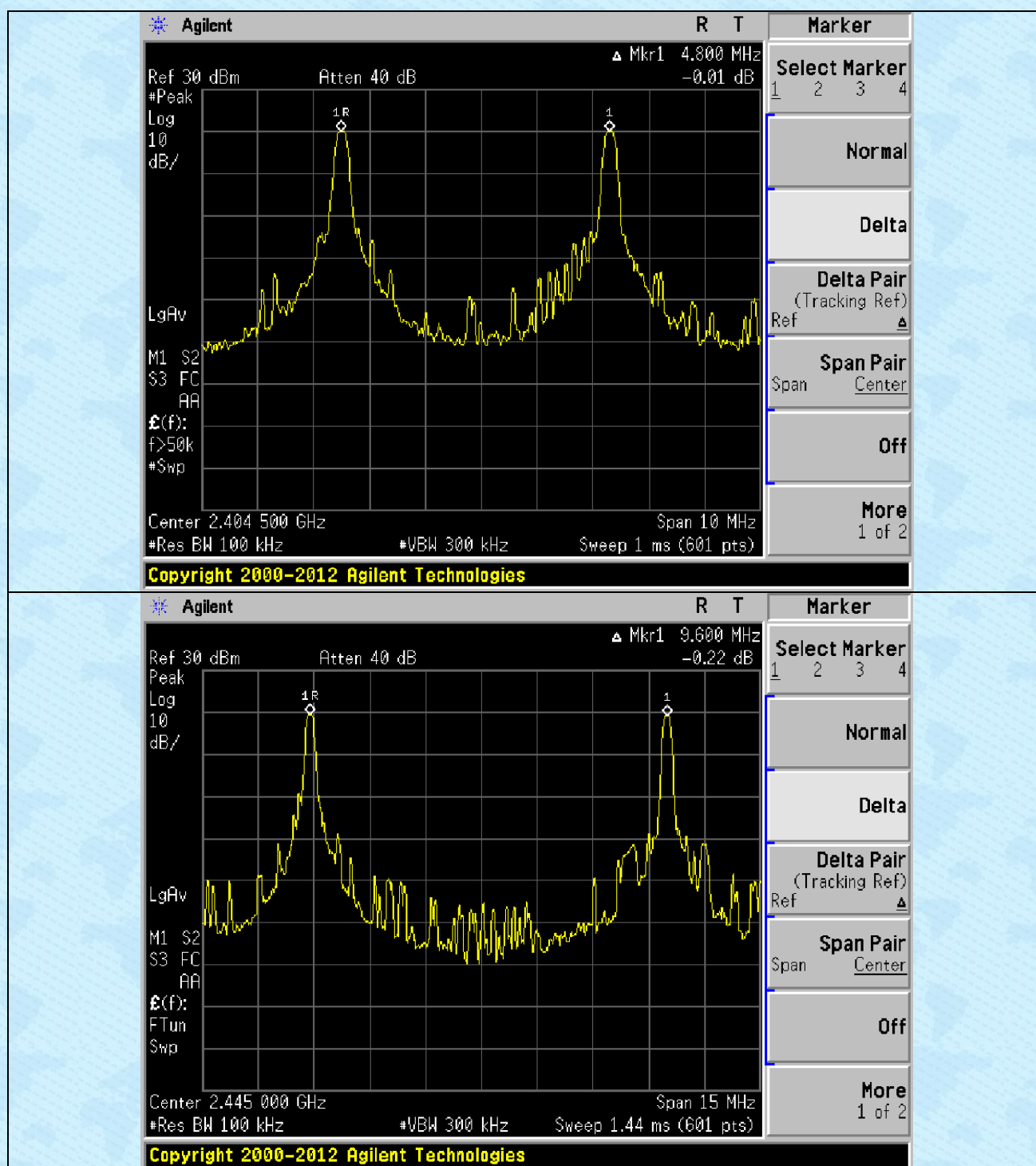


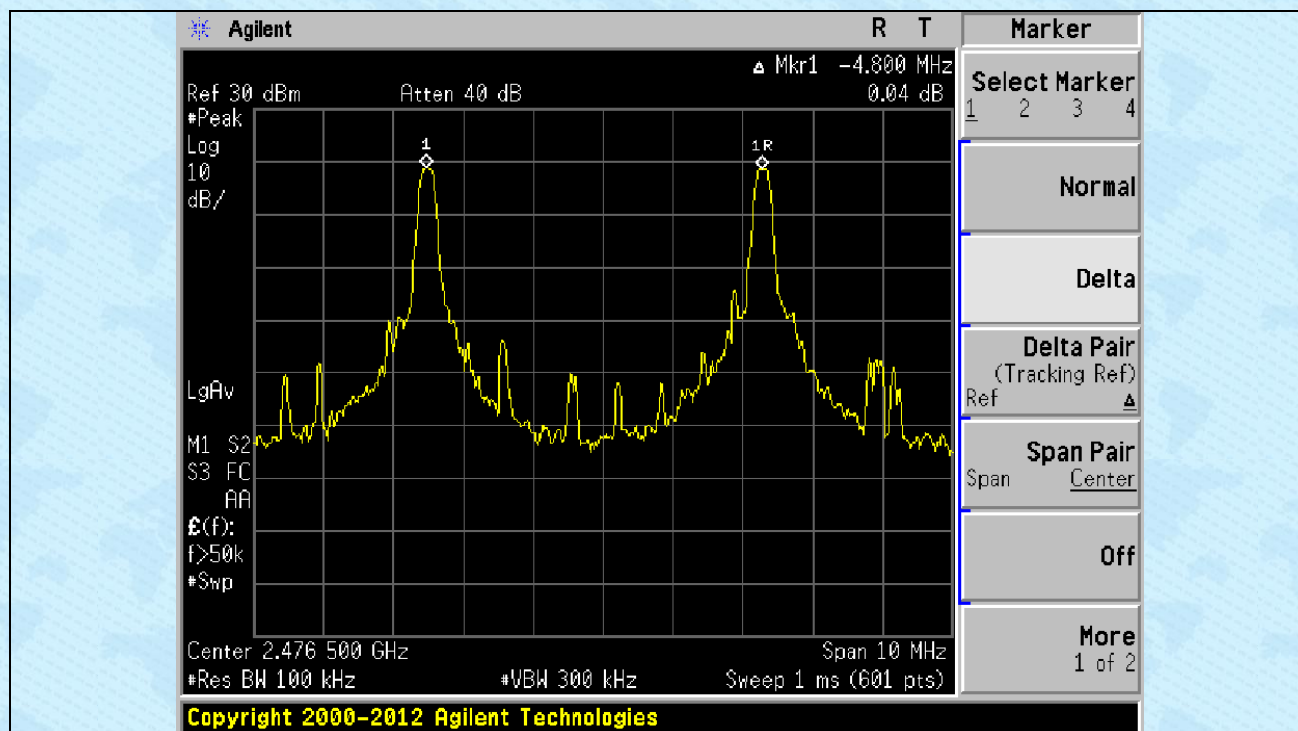
3. Carrier Frequency Separation

3.1 Test Result

ANT No.	Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
1	Lowest	4800	202.67	Pass
	Middle	9600	162.67	Pass
	Highest	4800	167.33	Pass

3.2 Test Graph



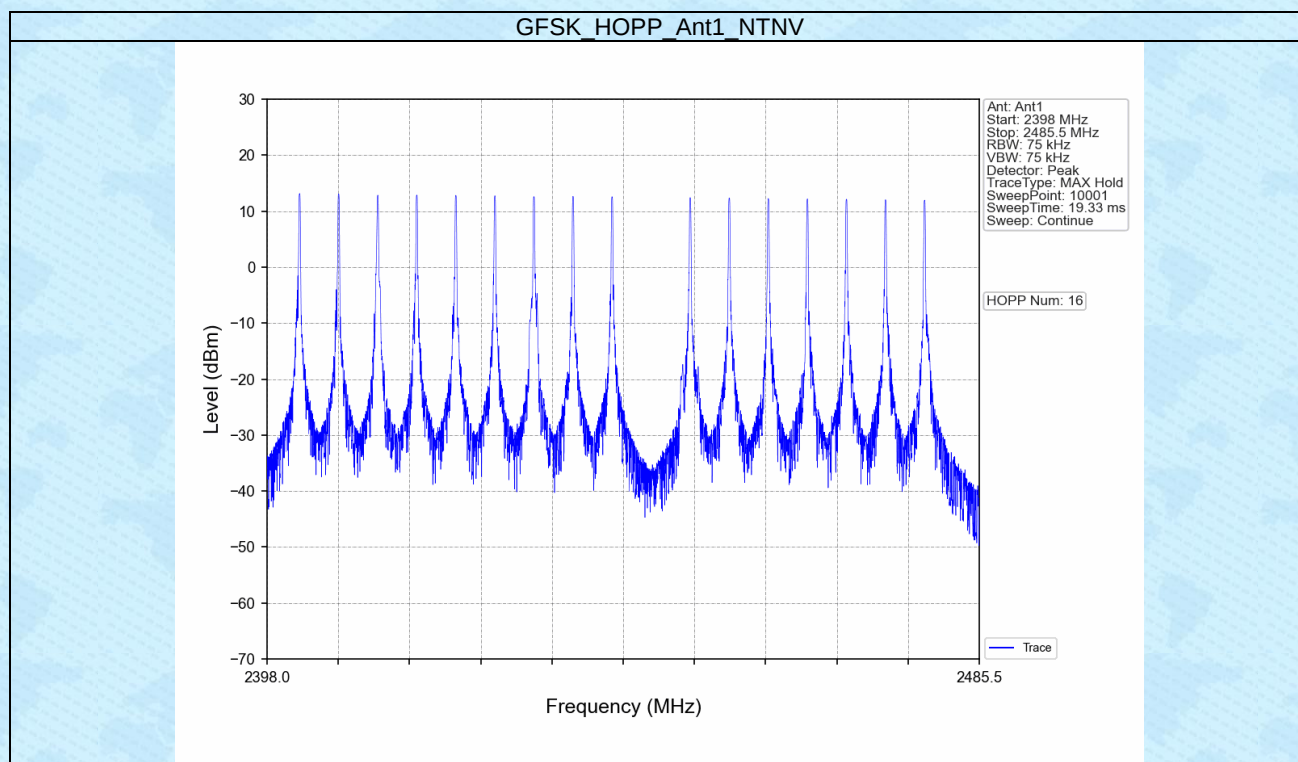


4. Number of Hopping Frequencies

4.1 Test Result

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies		Verdict
			ANT1	Limit	
GFSK	SISO	HOPP	16	>=15	Pass

4.2 Test Graph

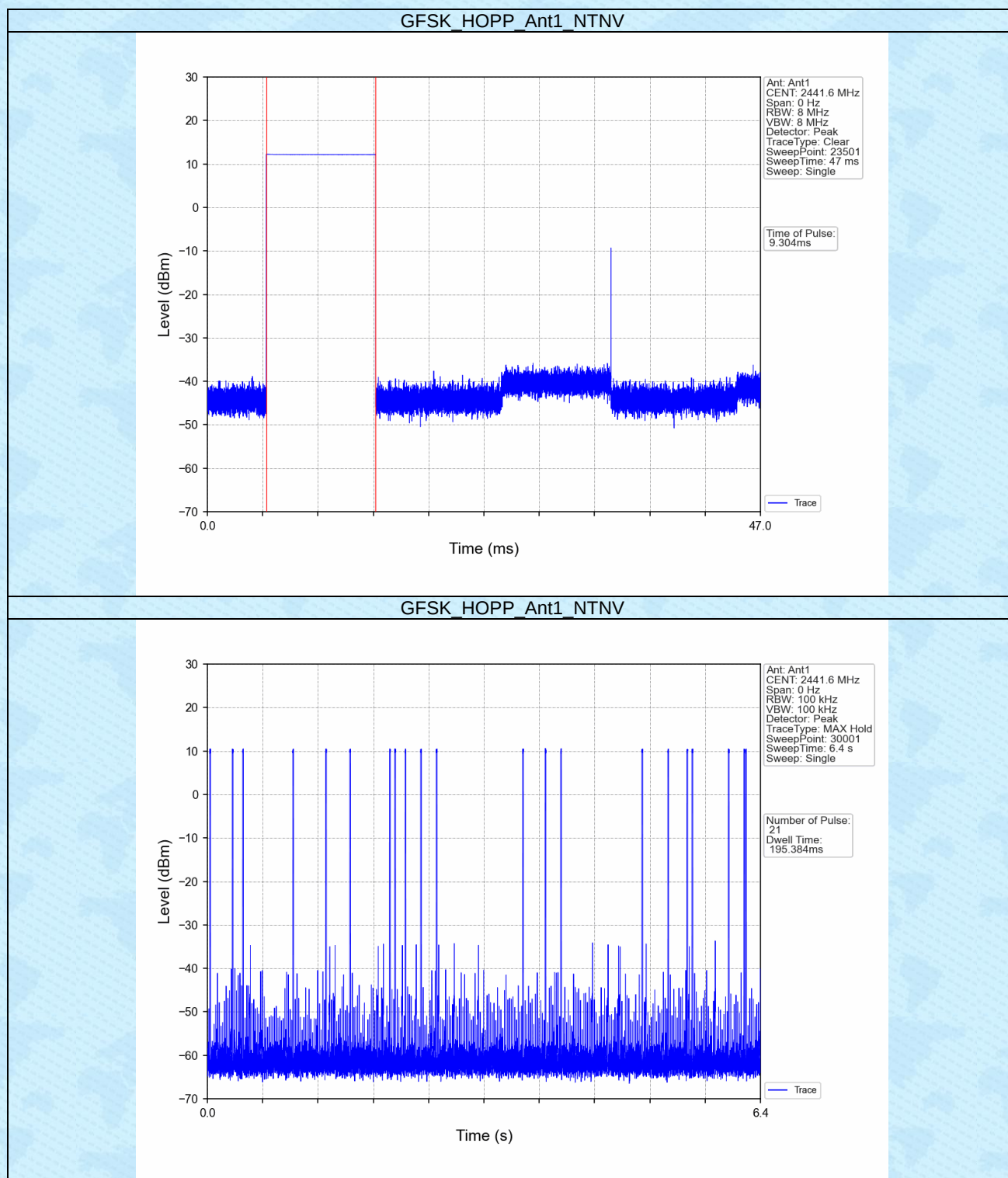


5. Time of Occupancy (Dwell Time)

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
GFSK	SISO	HOPP	9.304	6.400	21	195.384	<=400	Pass

5.2 Test Graph



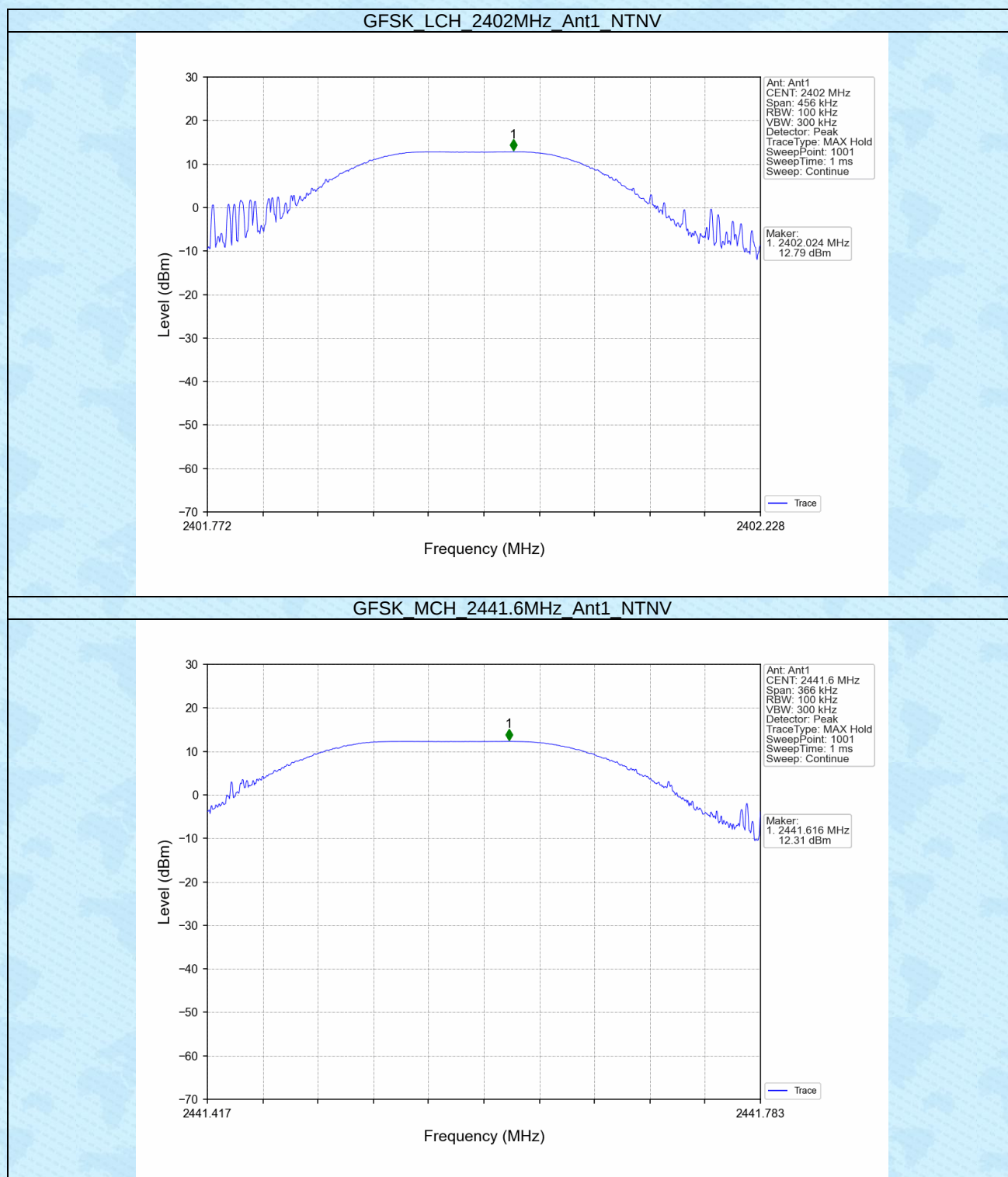
6. Unwanted Emissions In Non-restricted Frequency Bands

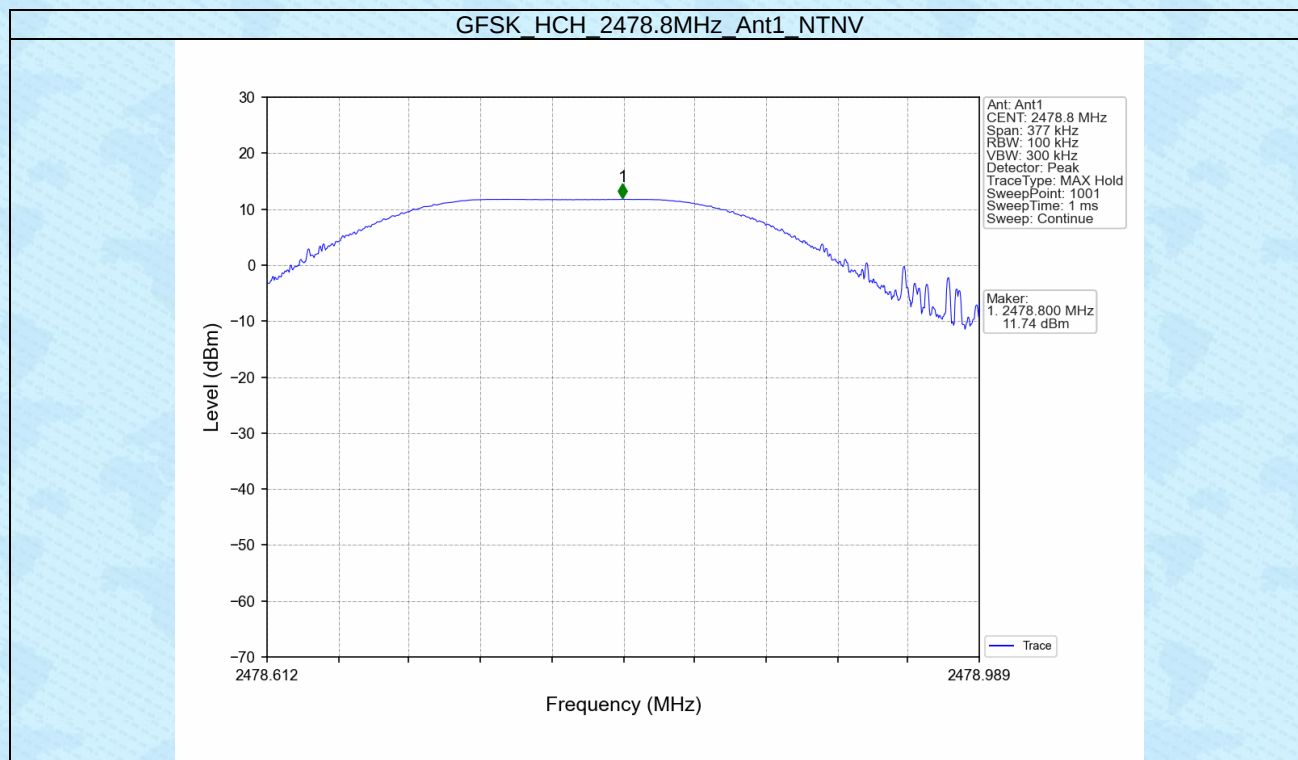
6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK	SISO	2402	1	12.79
		2441.6	1	12.31
		2478.8	1	11.74
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



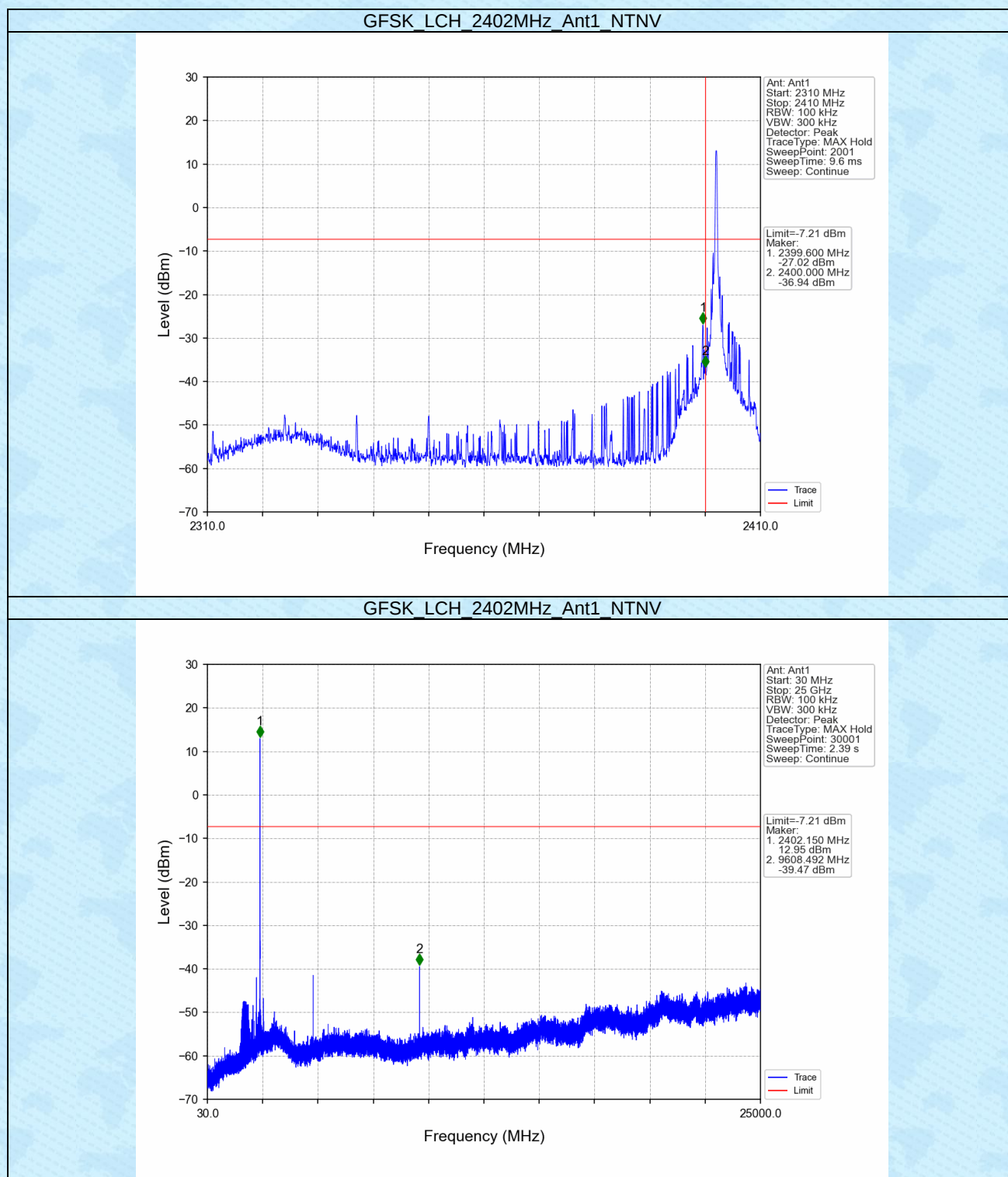


6.2 CSE

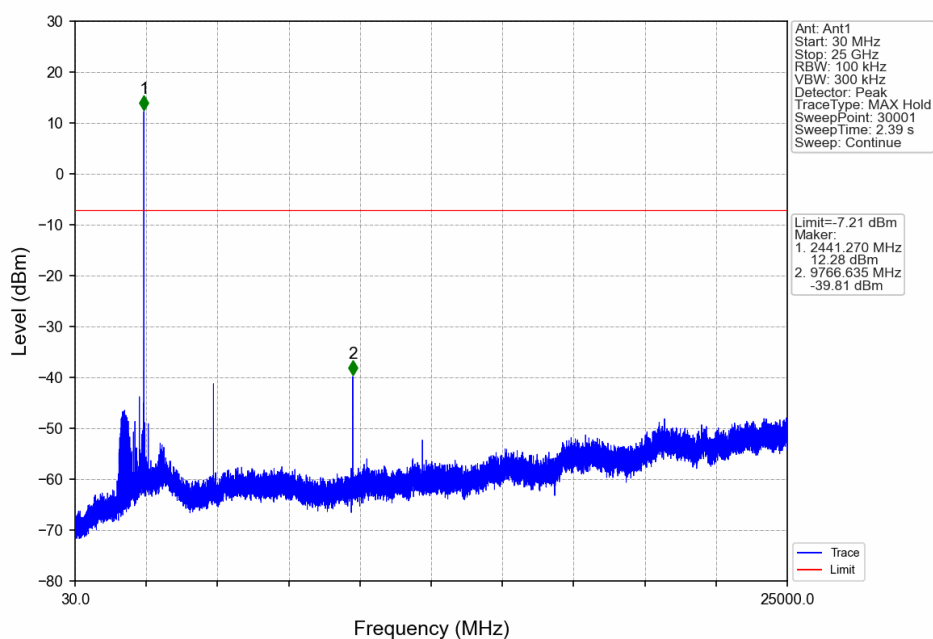
6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	1	12.79	-7.21	Pass
		2441.6	1	12.79	-7.21	Pass
		2478.8	1	12.79	-7.21	Pass
		HOPP	1	12.79	-7.21	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.						

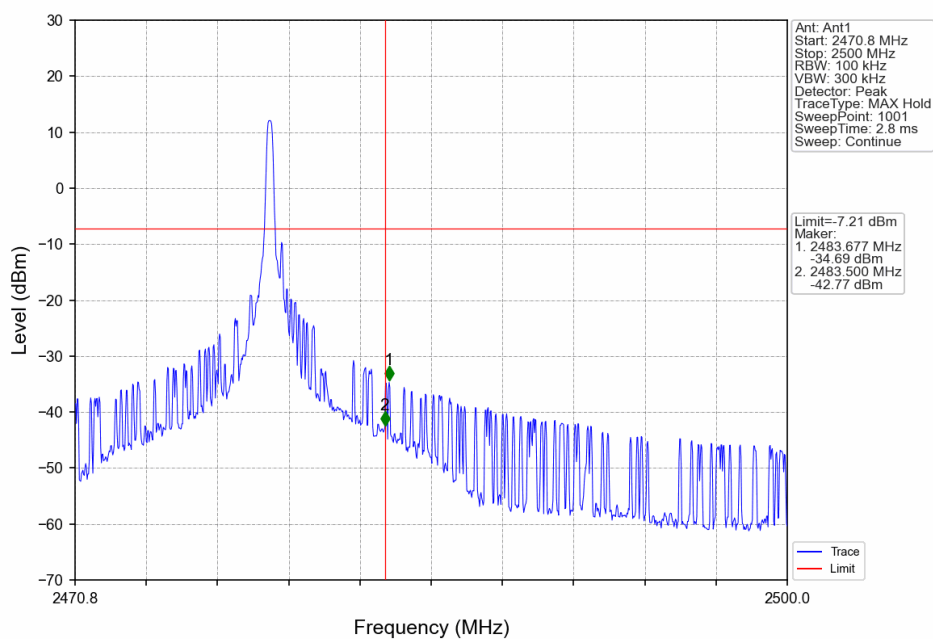
6.2.2 Test Graph



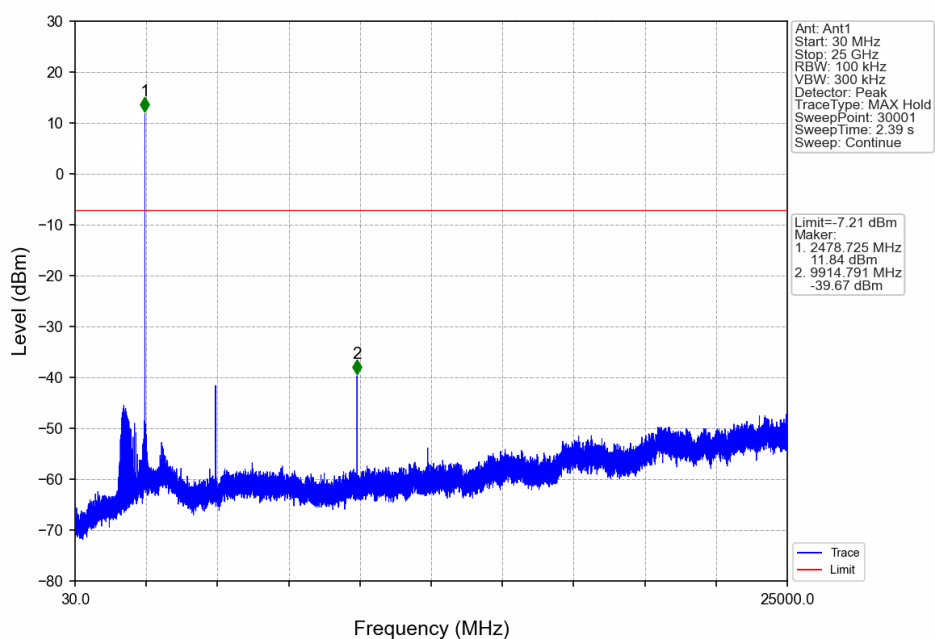
GFSK_MCH_2441.6MHz_Ant1_NTNV



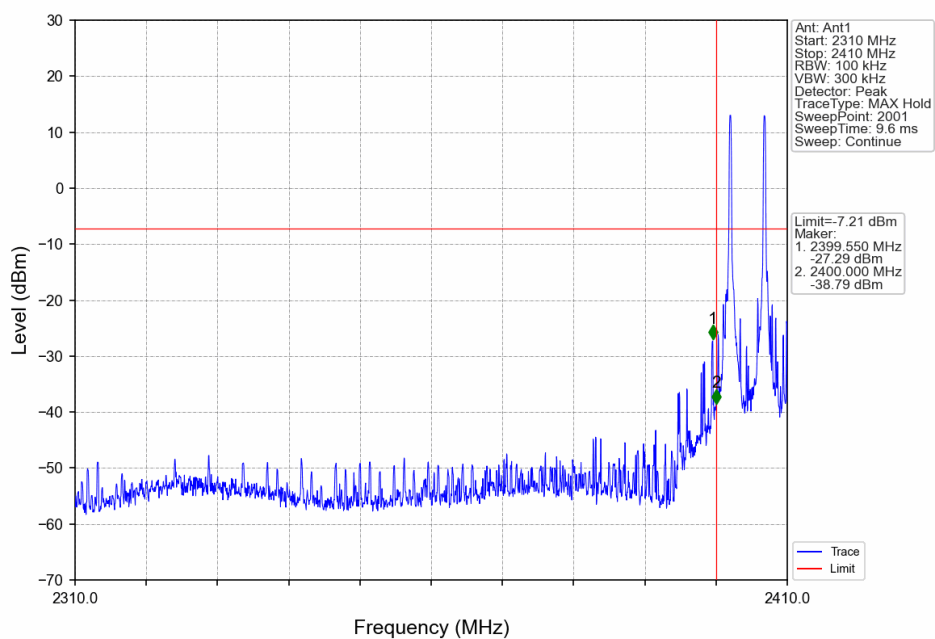
GFSK_HCH_2478.8MHz_Ant1_NTNV

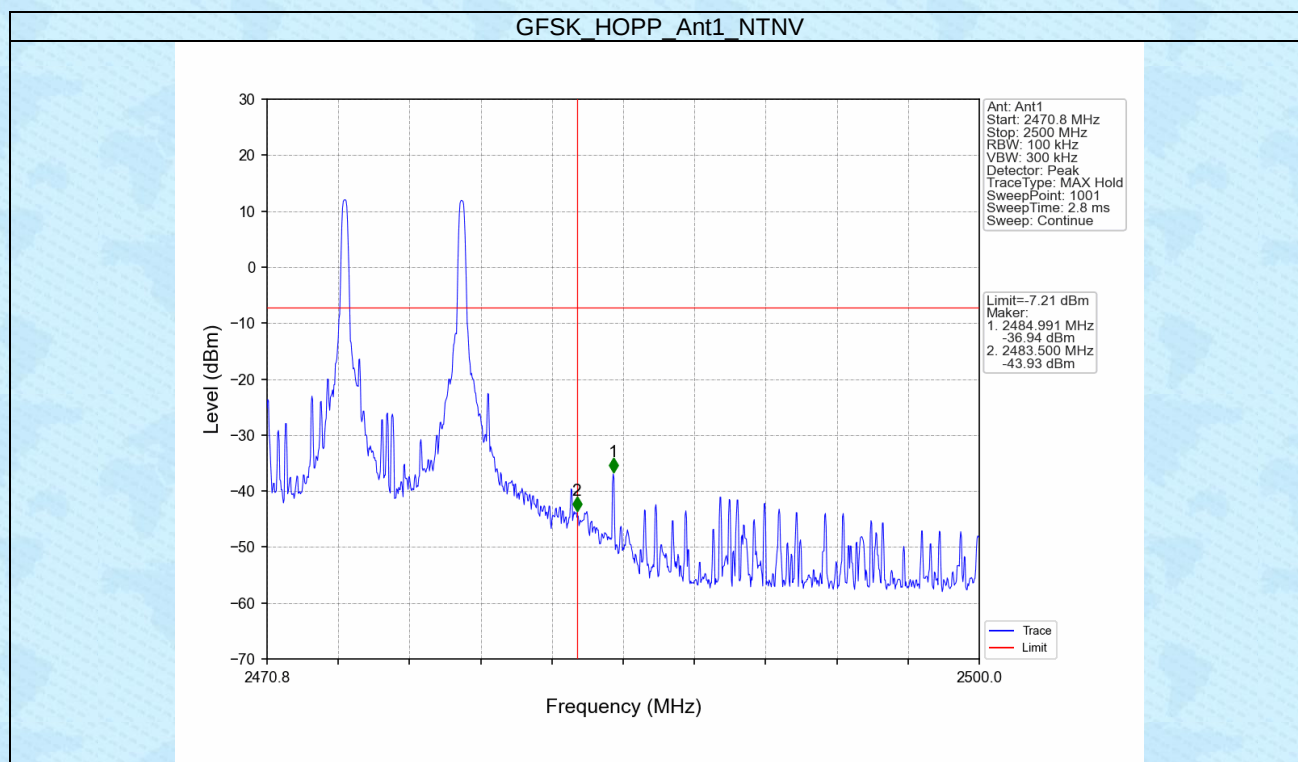


GFSK_HCH_2478.8MHz_Ant1_NTNV



GFSK_HOPP_Ant1_NTNV





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