

Appendix for 15.247

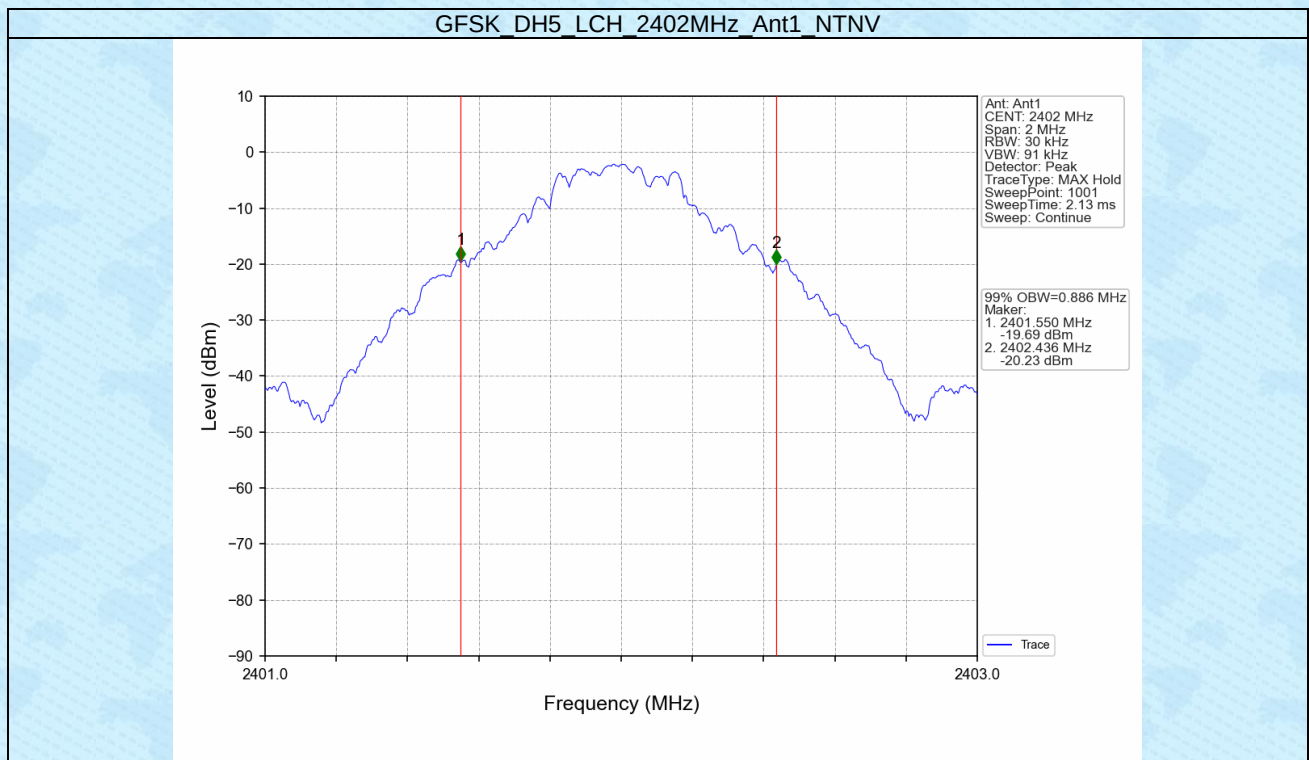
1. Bandwidth

1.1 OBW

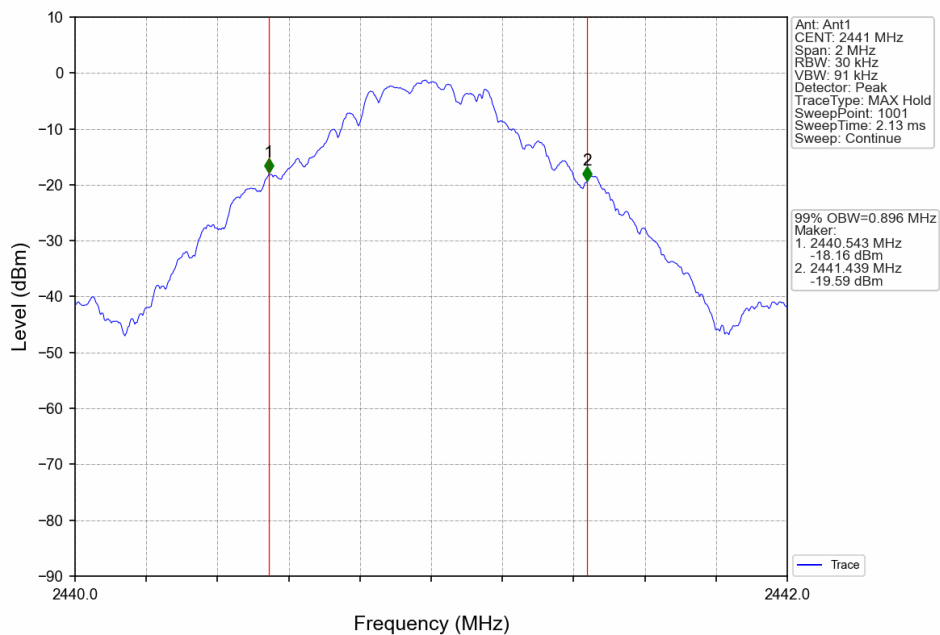
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.886	Pass
		2441	DH5	1	0.896	Pass
		2480	DH5	1	0.899	Pass

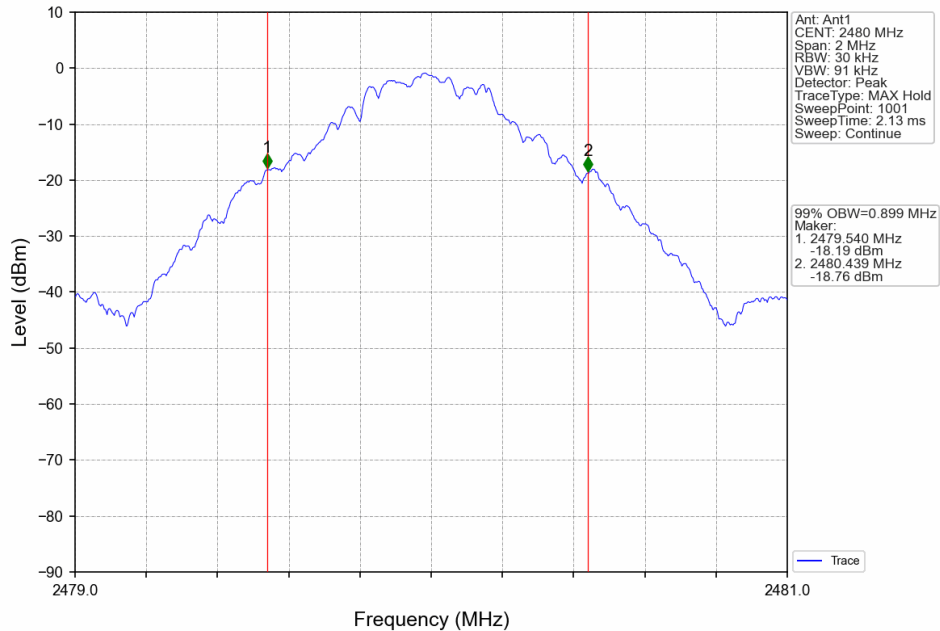
1.1.2 Test Graph



GFSK DH5 MCH 2441MHz Ant1 NTN



GFSK DH5 HCH 2480MHz Ant1 NTN

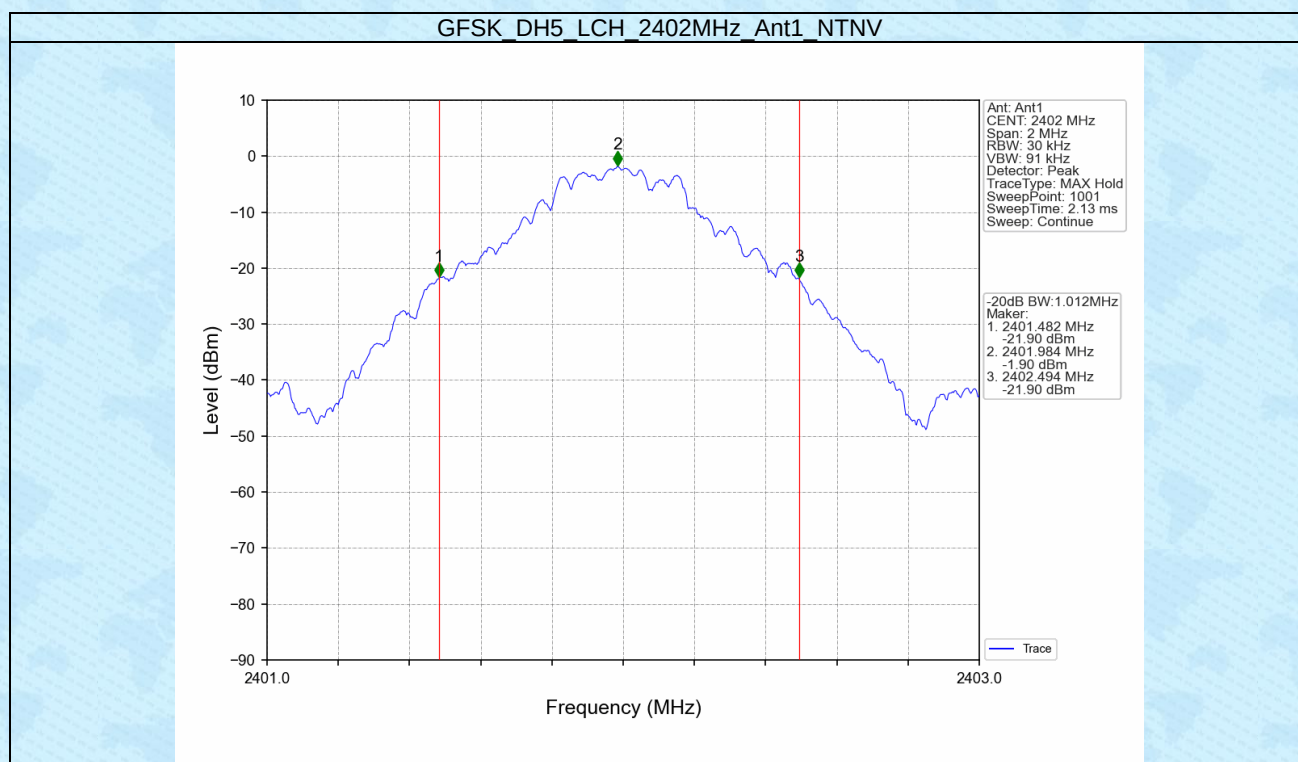


1.2 20dB BW

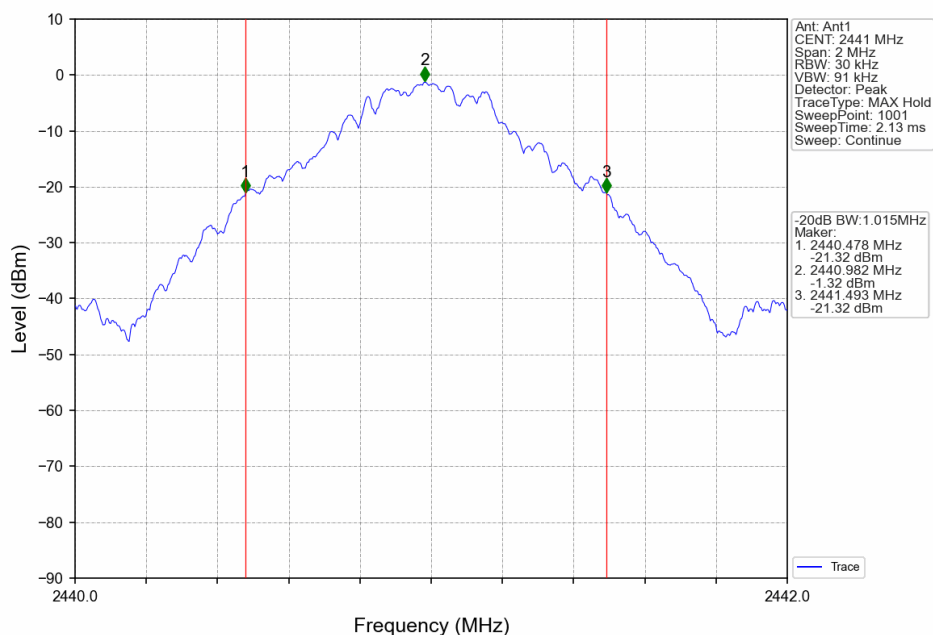
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.012	Pass
		2441	DH5	1	1.015	Pass
		2480	DH5	1	1.016	Pass

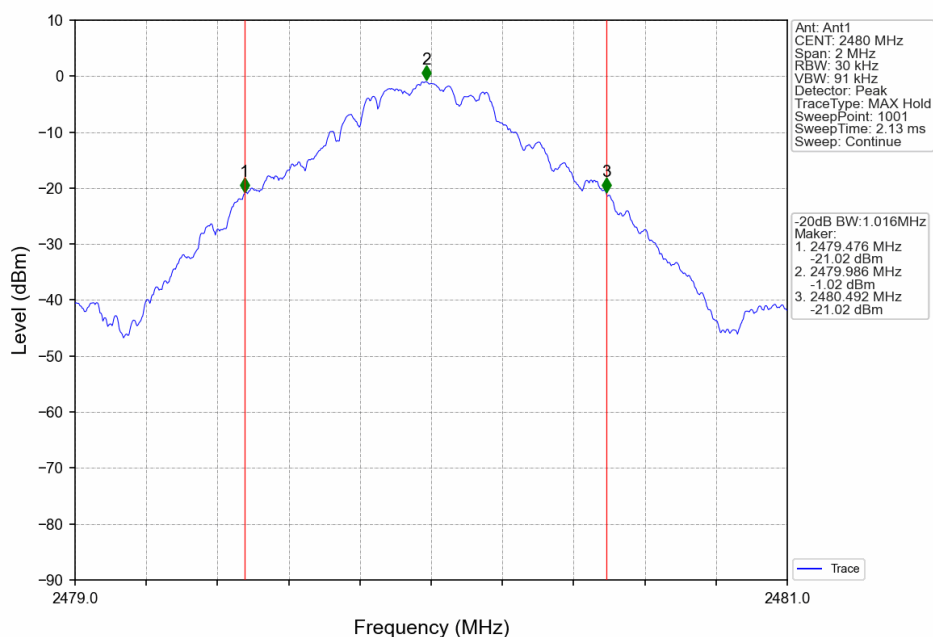
1.2.2 Test Graph



GFSK DH5 MCH 2441MHz Ant1 NTN



GFSK DH5 HCH 2480MHz Ant1 NTN

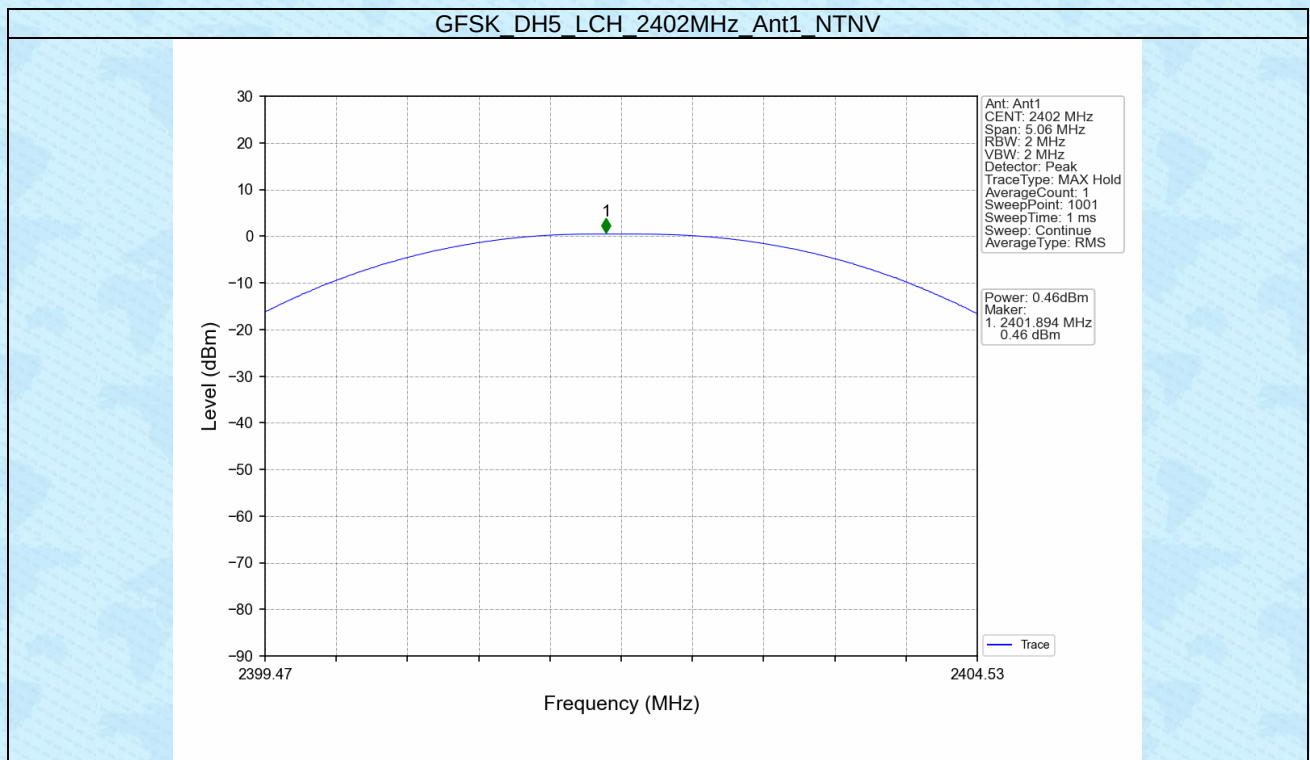


2. Maximum Conducted Output Power

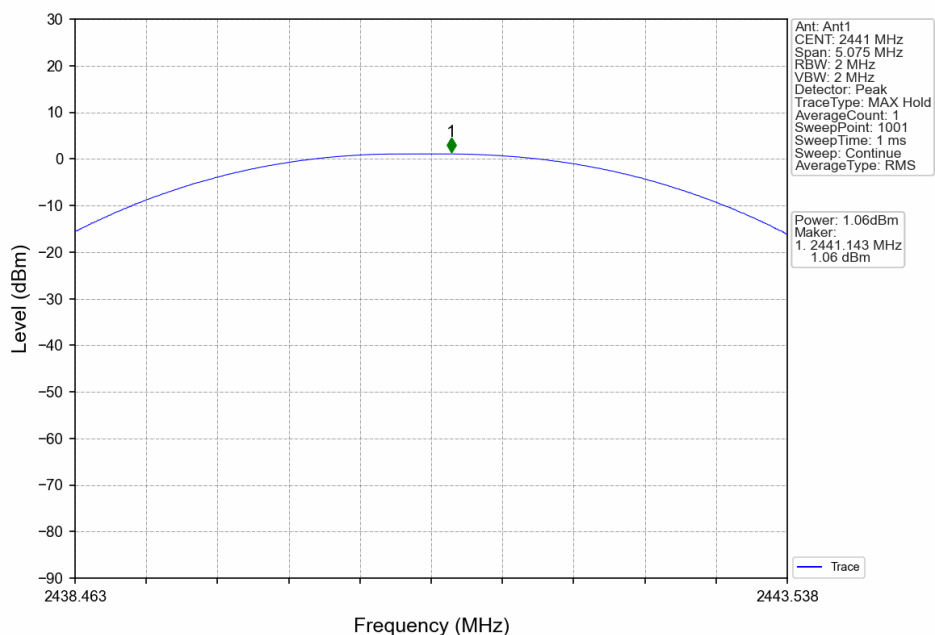
2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	0.46	<=20.97	Pass
		2441	DH5	1.06	<=20.97	Pass
		2480	DH5	1.34	<=20.97	Pass

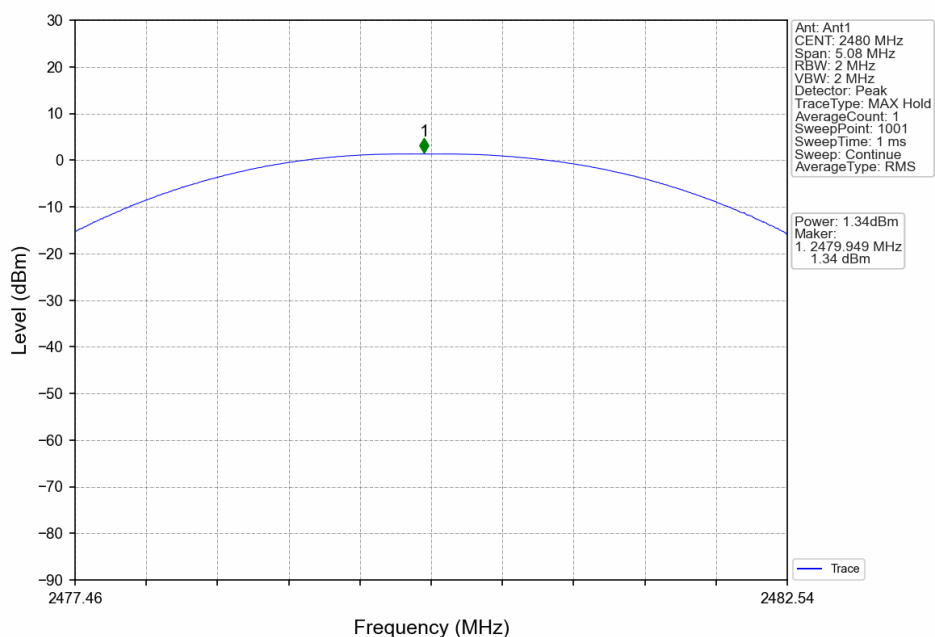
2.2 Test Graph



GFSK DH5 MCH 2441MHz Ant1 NTN



GFSK DH5 HCH 2480MHz Ant1 NTN

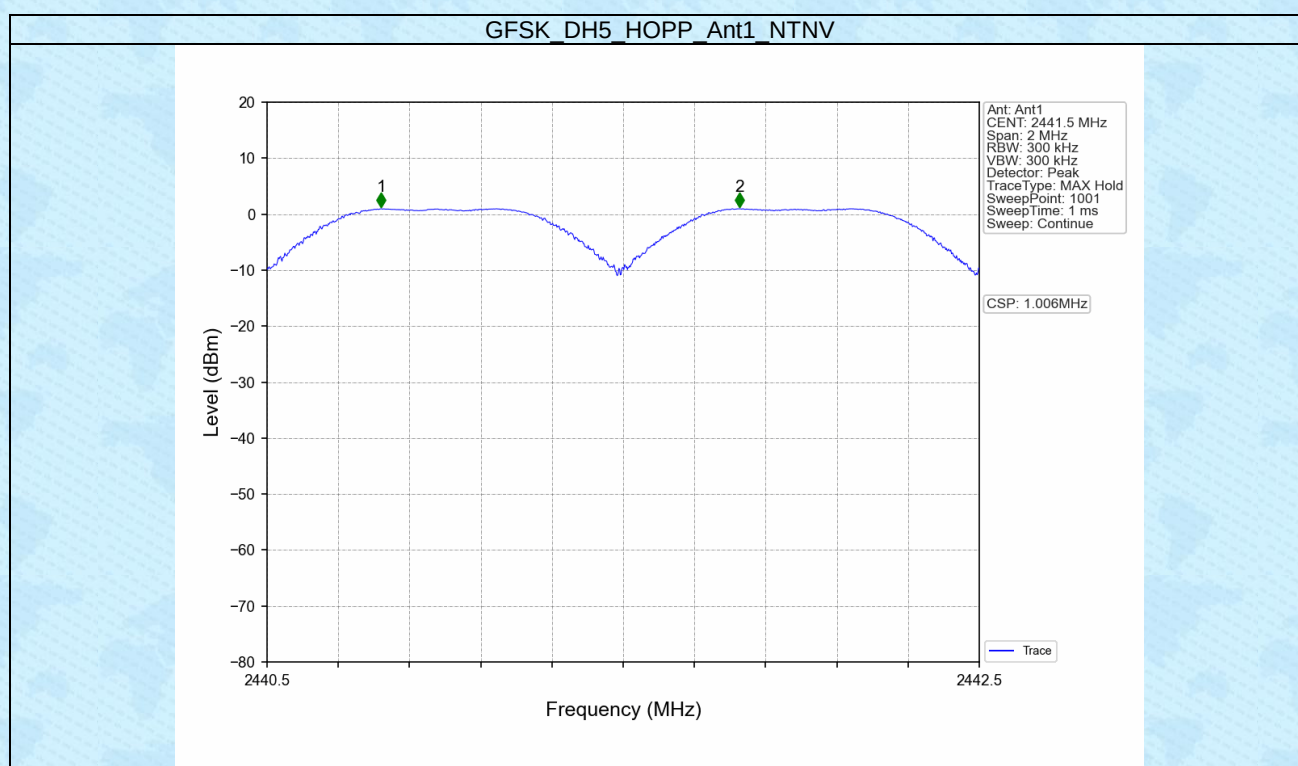


3. Carrier Frequency Separation

3.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.006	1.016	≥ 0.677	Pass

3.2 Test Graph

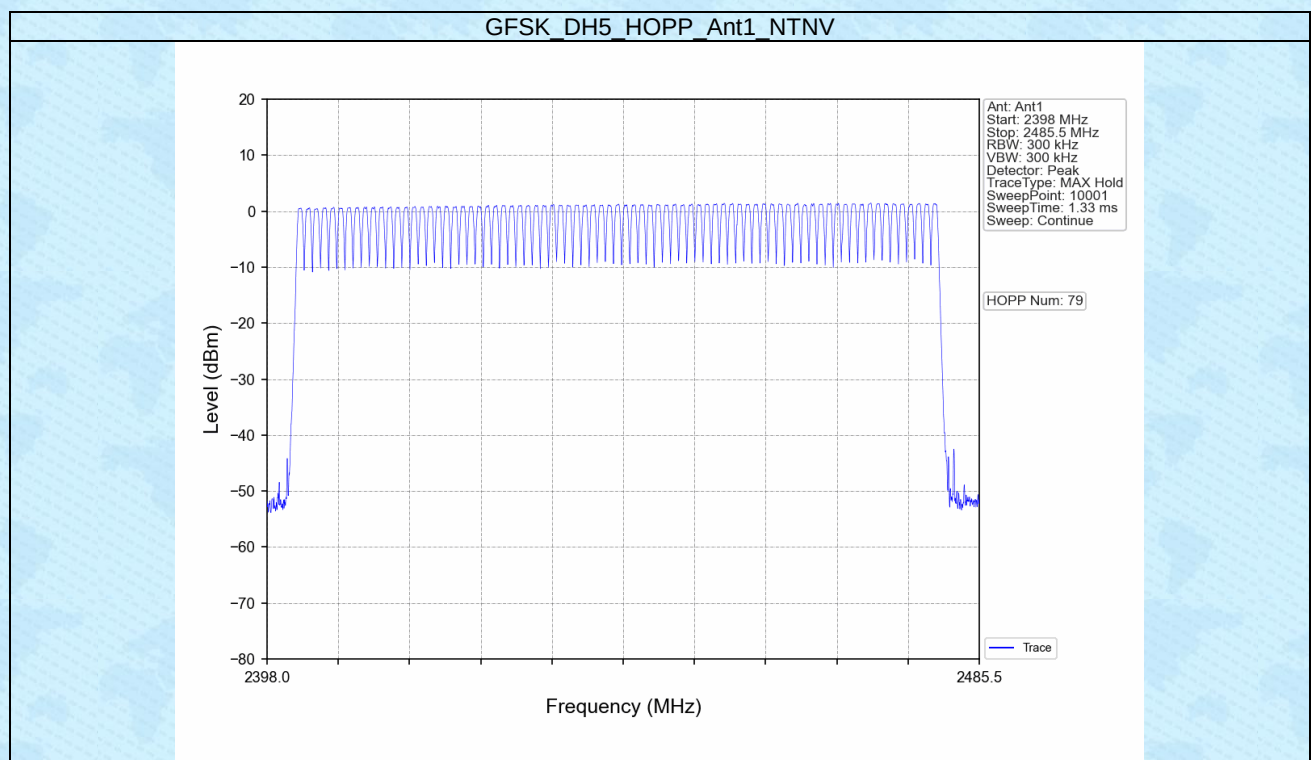


4. Number of Hopping Frequencies

4.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass

4.2 Test Graph

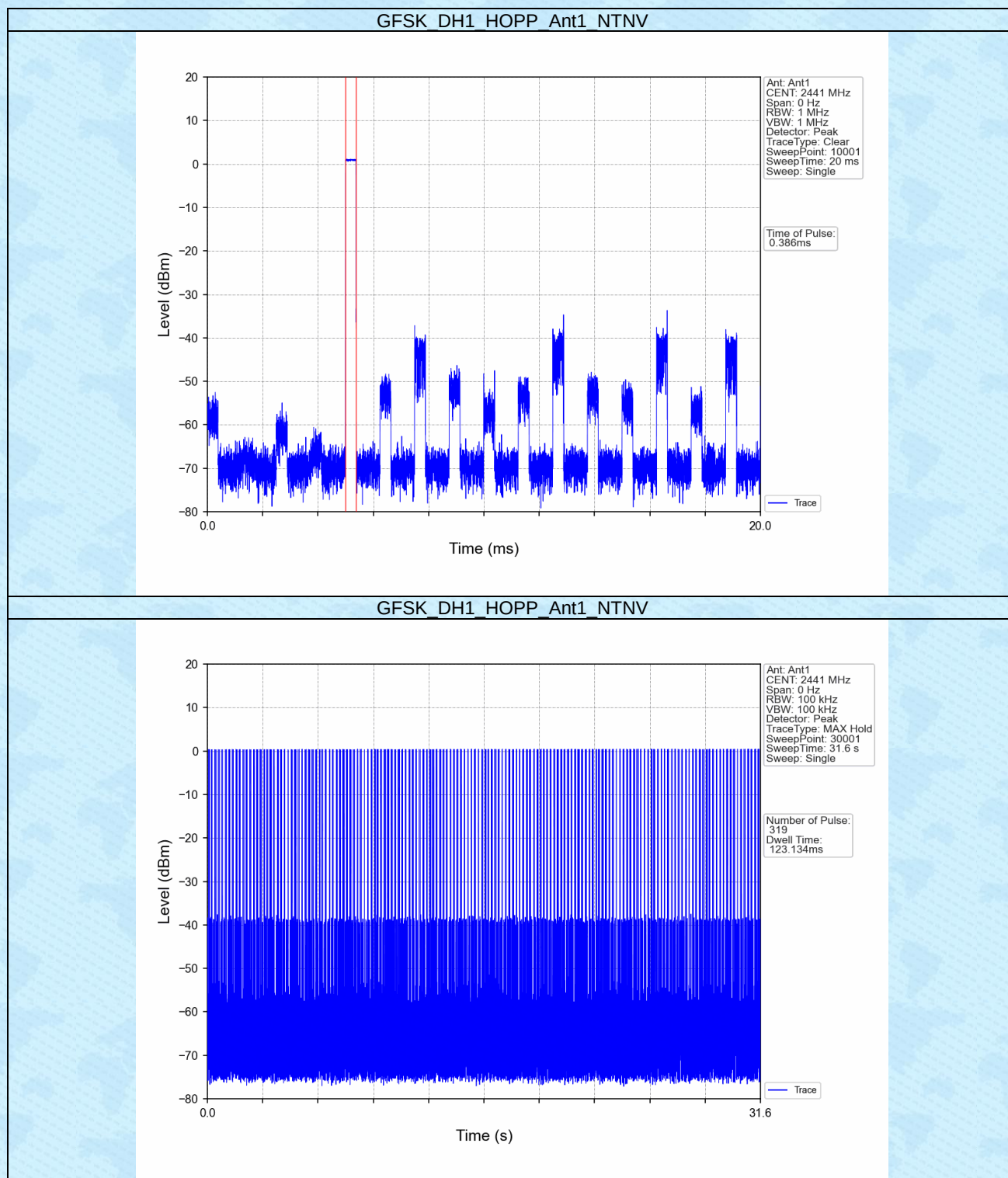


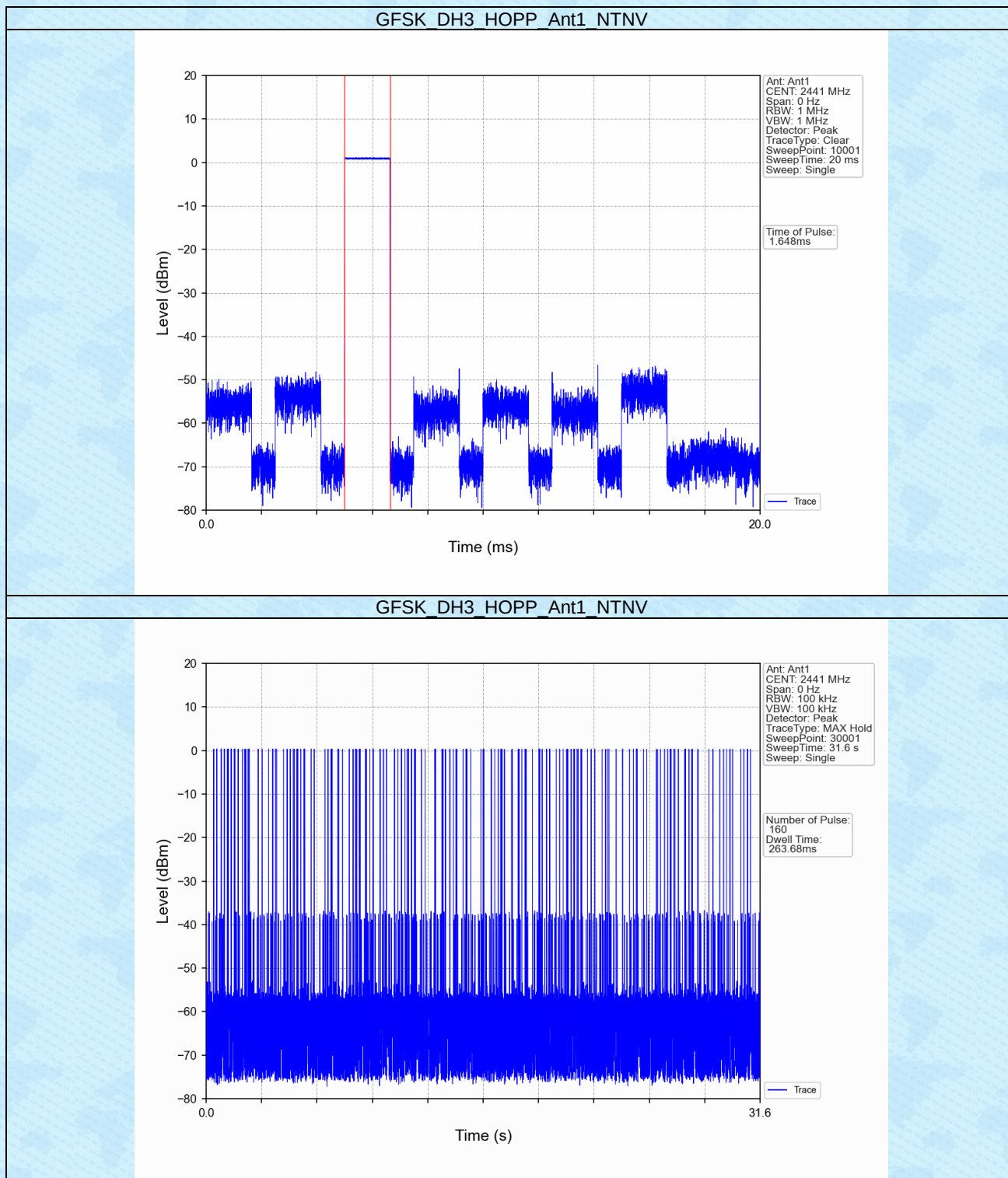
5. Time of Occupancy (Dwell Time)

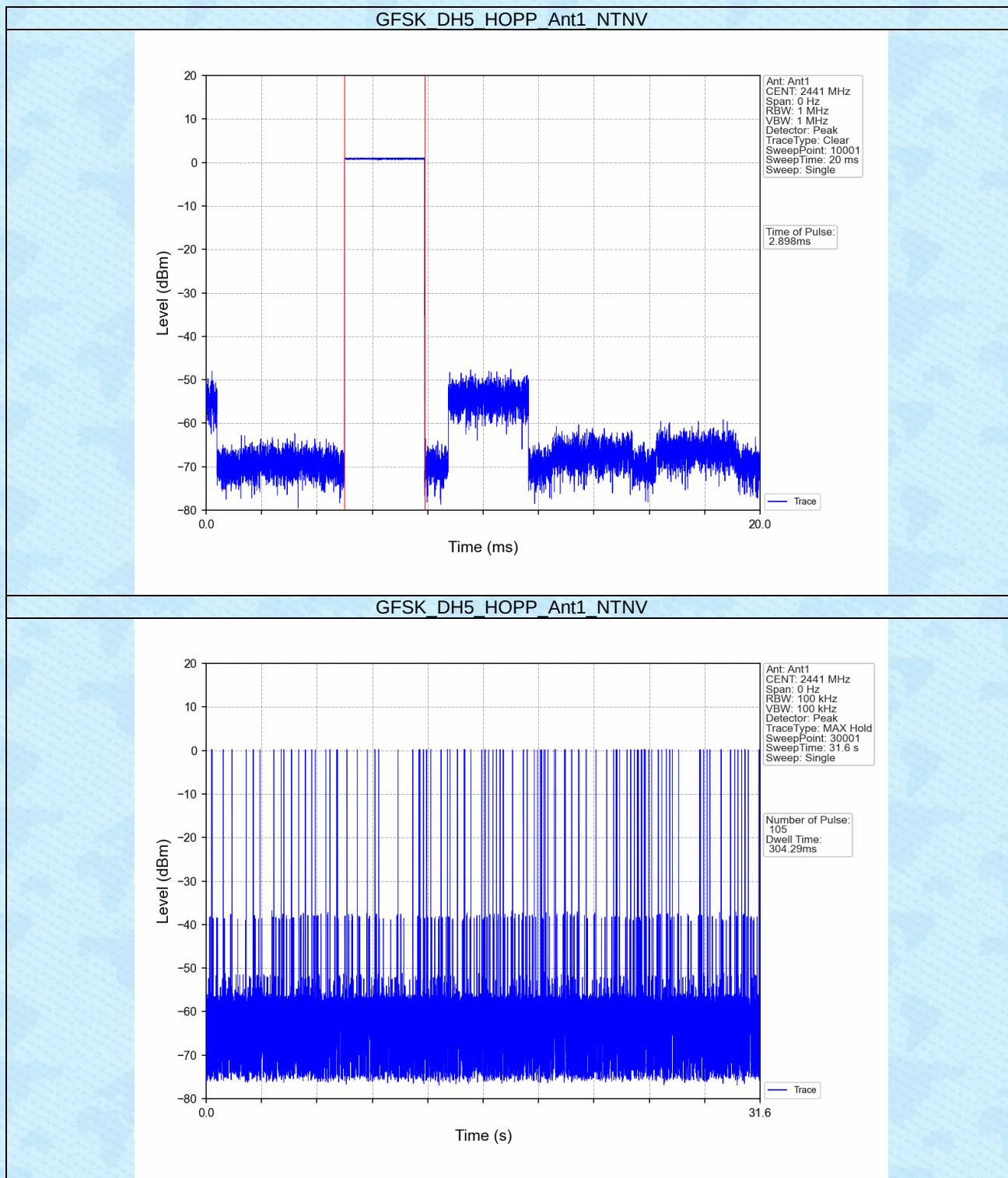
5.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.386	31.600	319	123.134	<=400	Pass
			DH3	1.648	31.600	160	263.680	<=400	Pass
			DH5	2.898	31.600	105	304.290	<=400	Pass

5.2 Test Graph







6. Unwanted Emissions In Non-restricted Frequency Bands

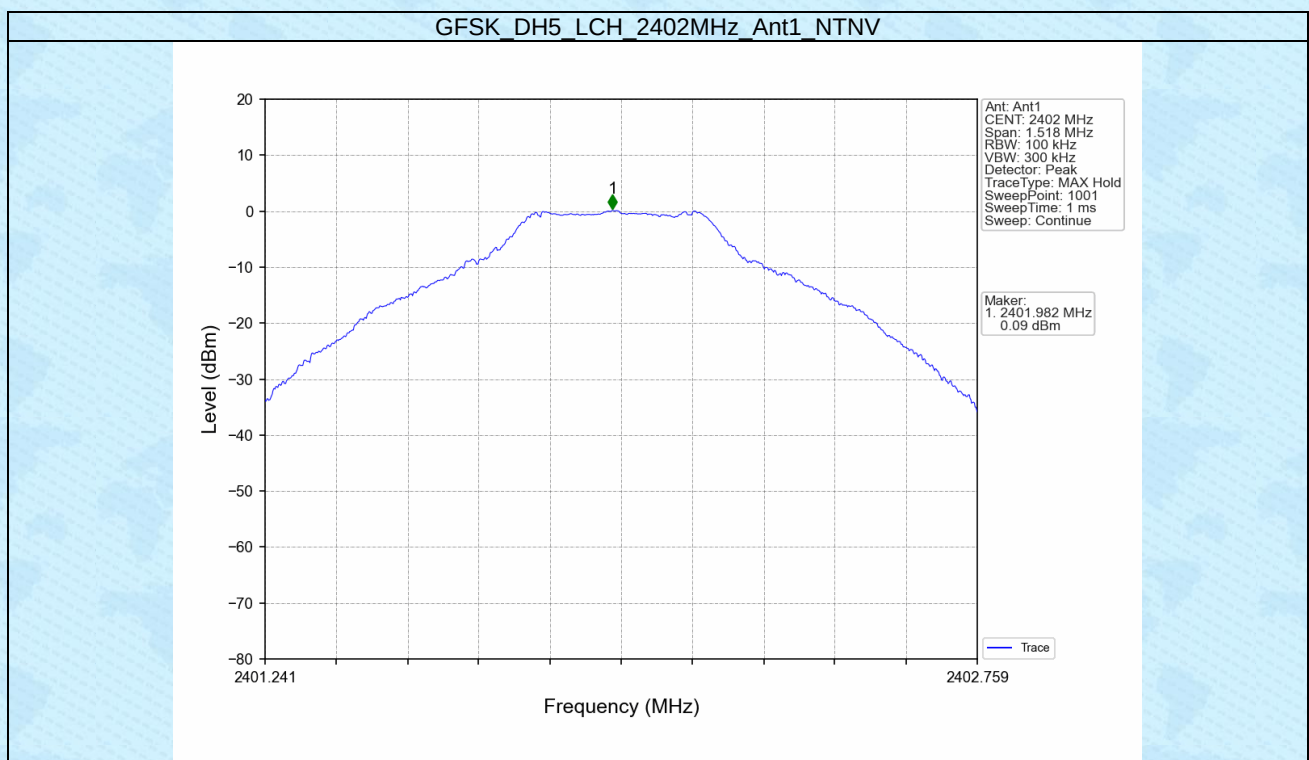
6.1 Ref

6.1.1 Test Result

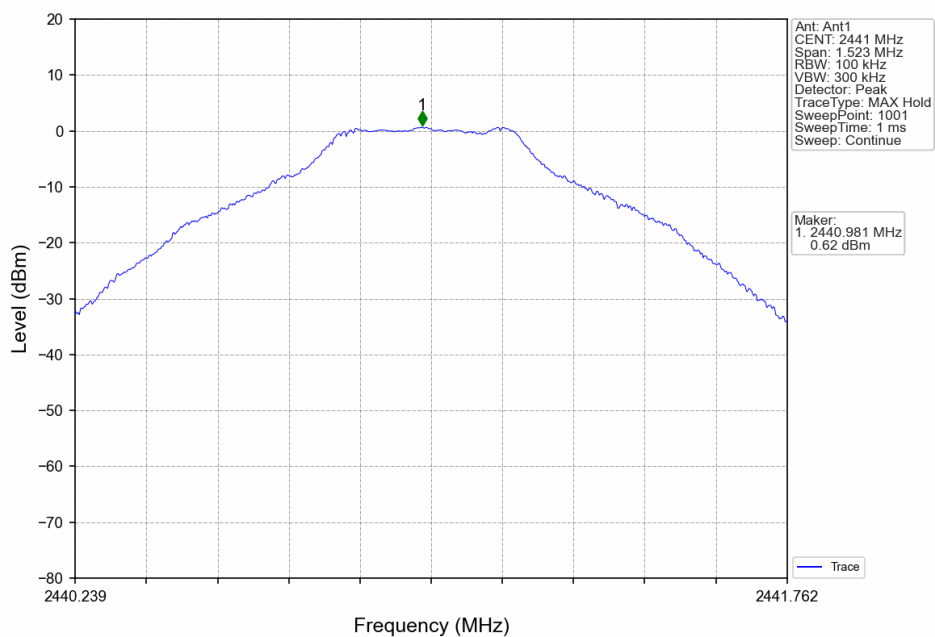
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	0.09
		2441	DH5	1	0.62
		2480	DH5	1	0.86

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.

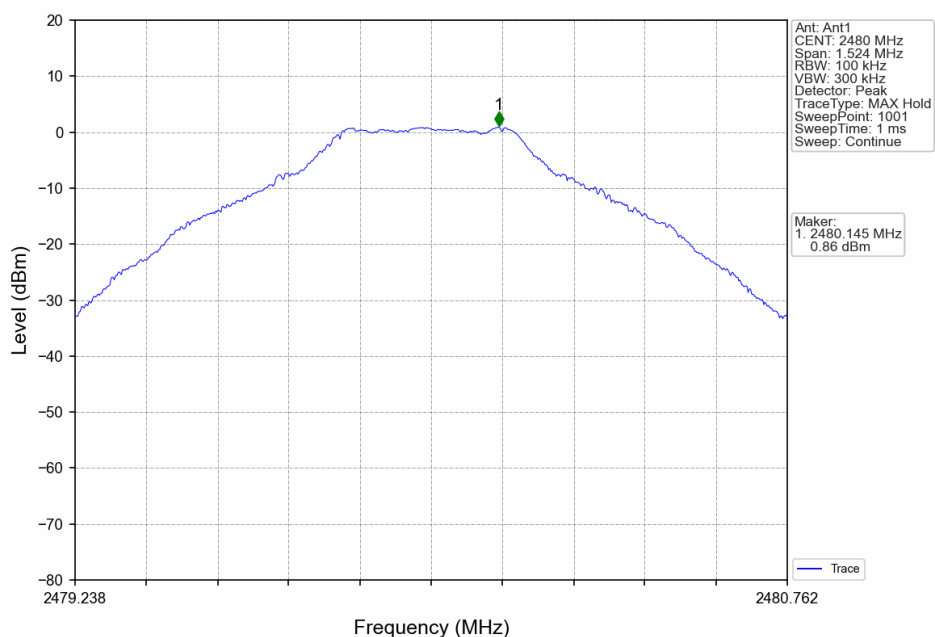
6.1.2 Test Graph



GFSK DH5 MCH 2441MHz Ant1 NTN



GFSK DH5 HCH 2480MHz Ant1 NTN



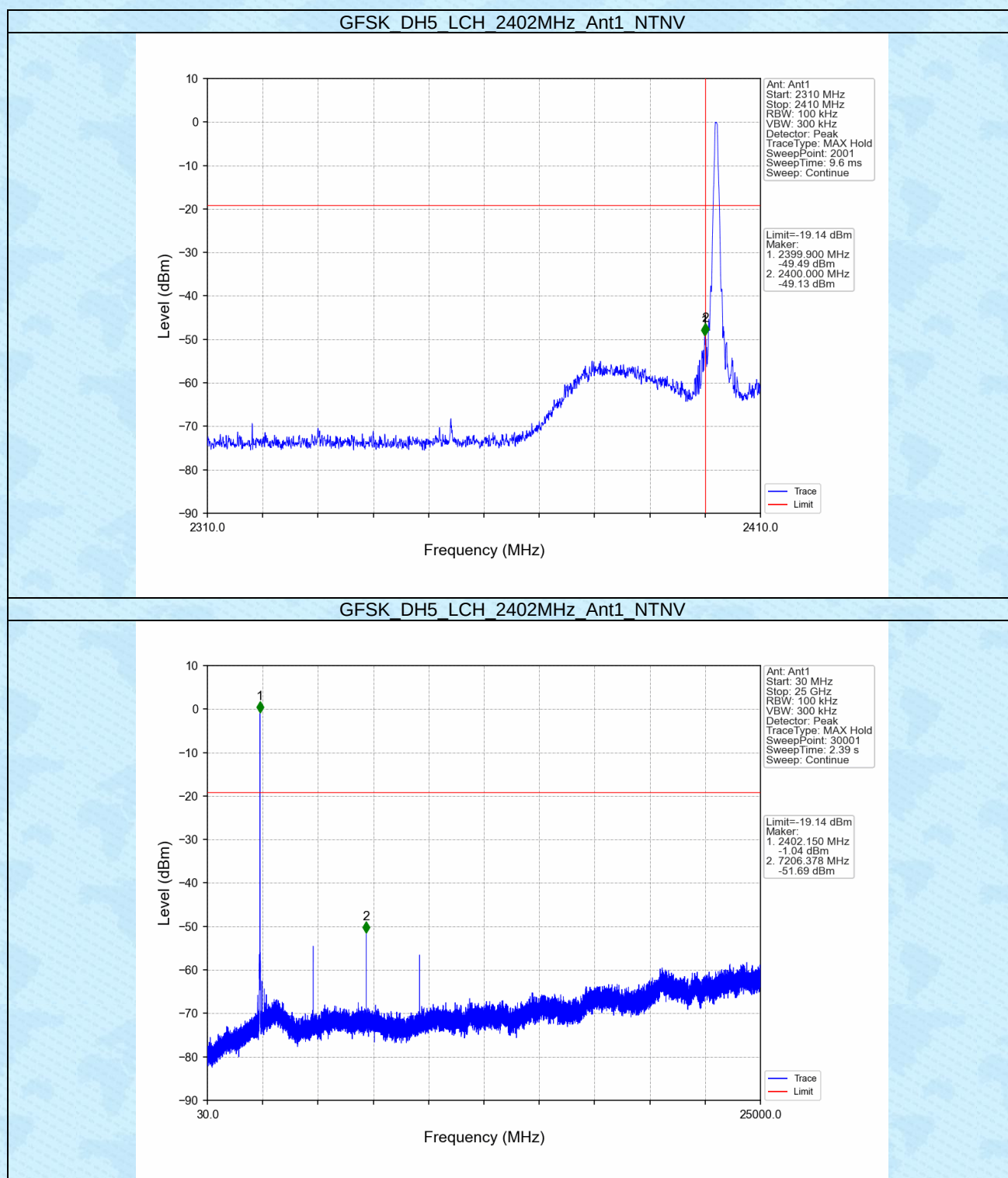
6.2 CSE

6.2.1 Test Result

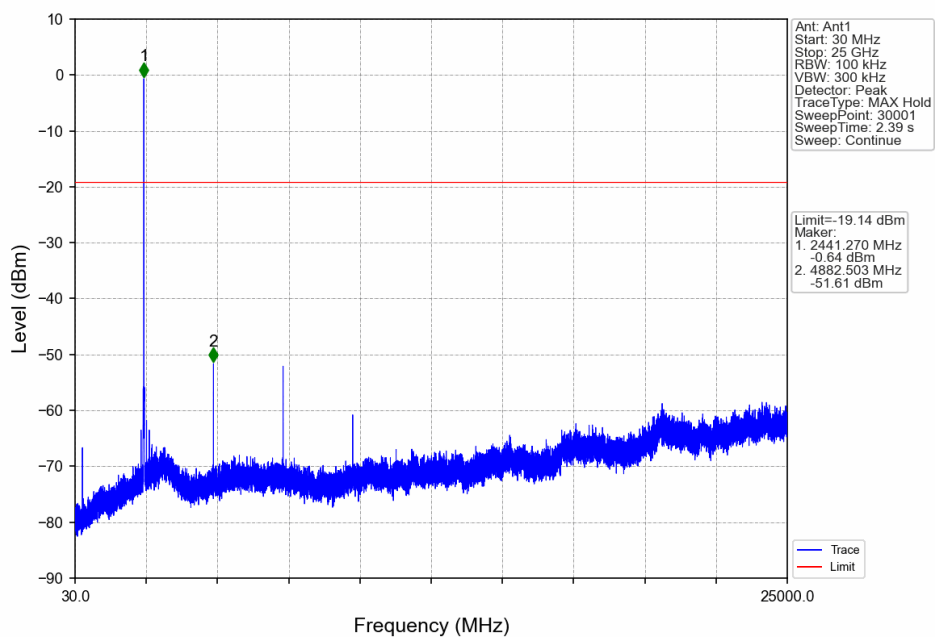
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	0.86	-19.14	Pass
		2441	DH5	1	0.86	-19.14	Pass
		2480	DH5	1	0.86	-19.14	Pass
		HOPP	DH5	1	0.86	-19.14	Pass

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.

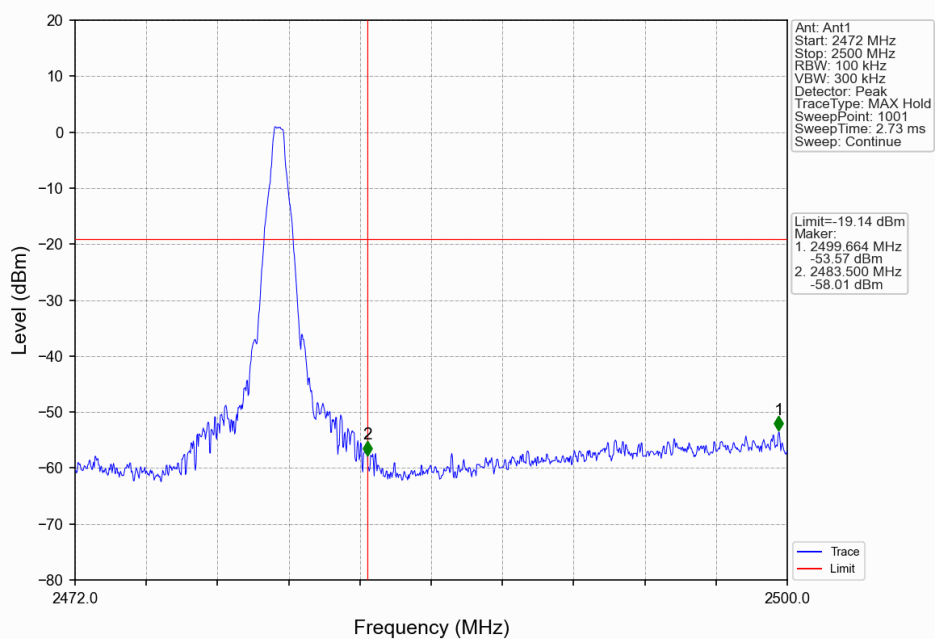
6.2.2 Test Graph



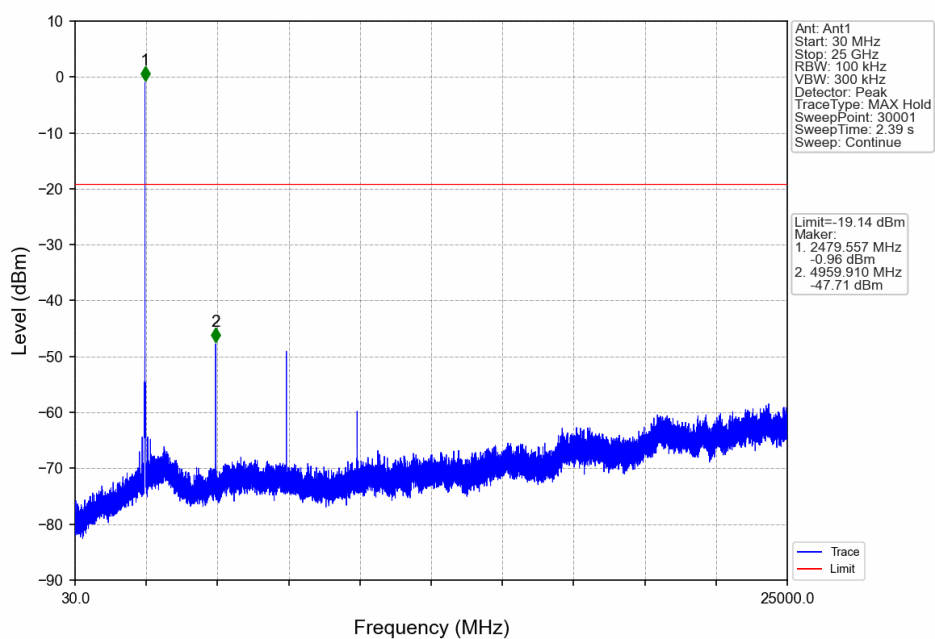
GFSK DH5 MCH 2441MHz Ant1 NTN



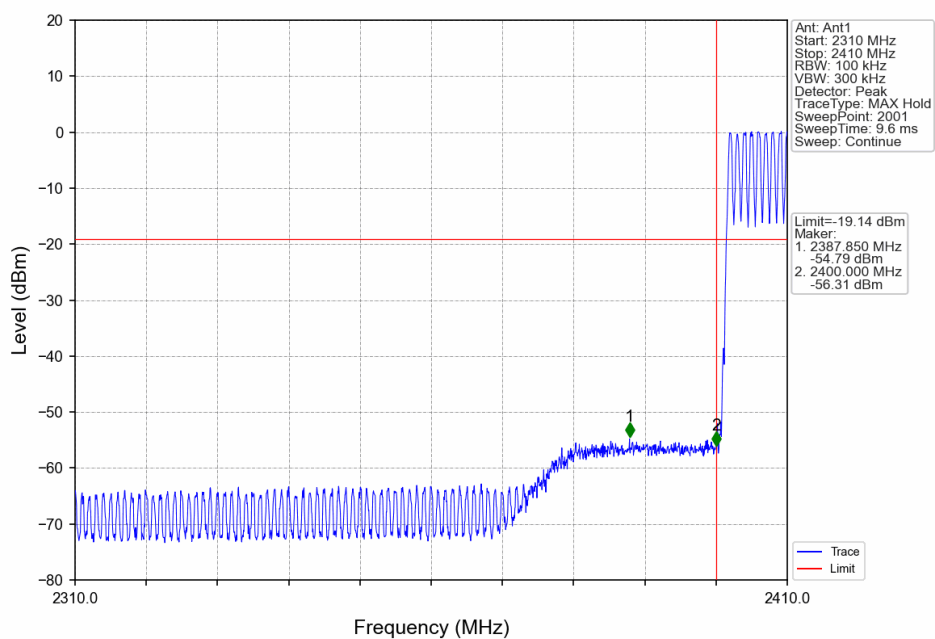
GFSK DH5 HCH 2480MHz Ant1 NTN

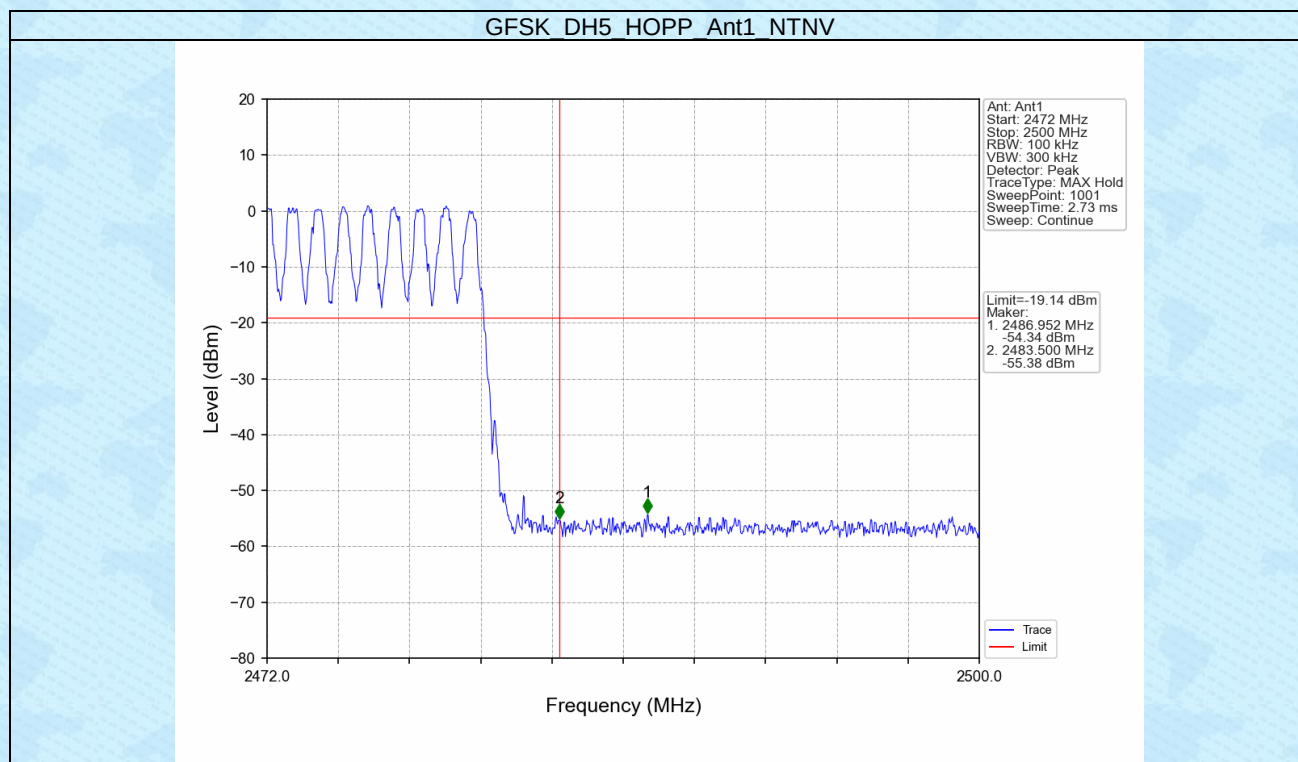


GFSK DH5 HCH 2480MHz Ant1 NTN



GFSK DH5 HOPP Ant1 NTN





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