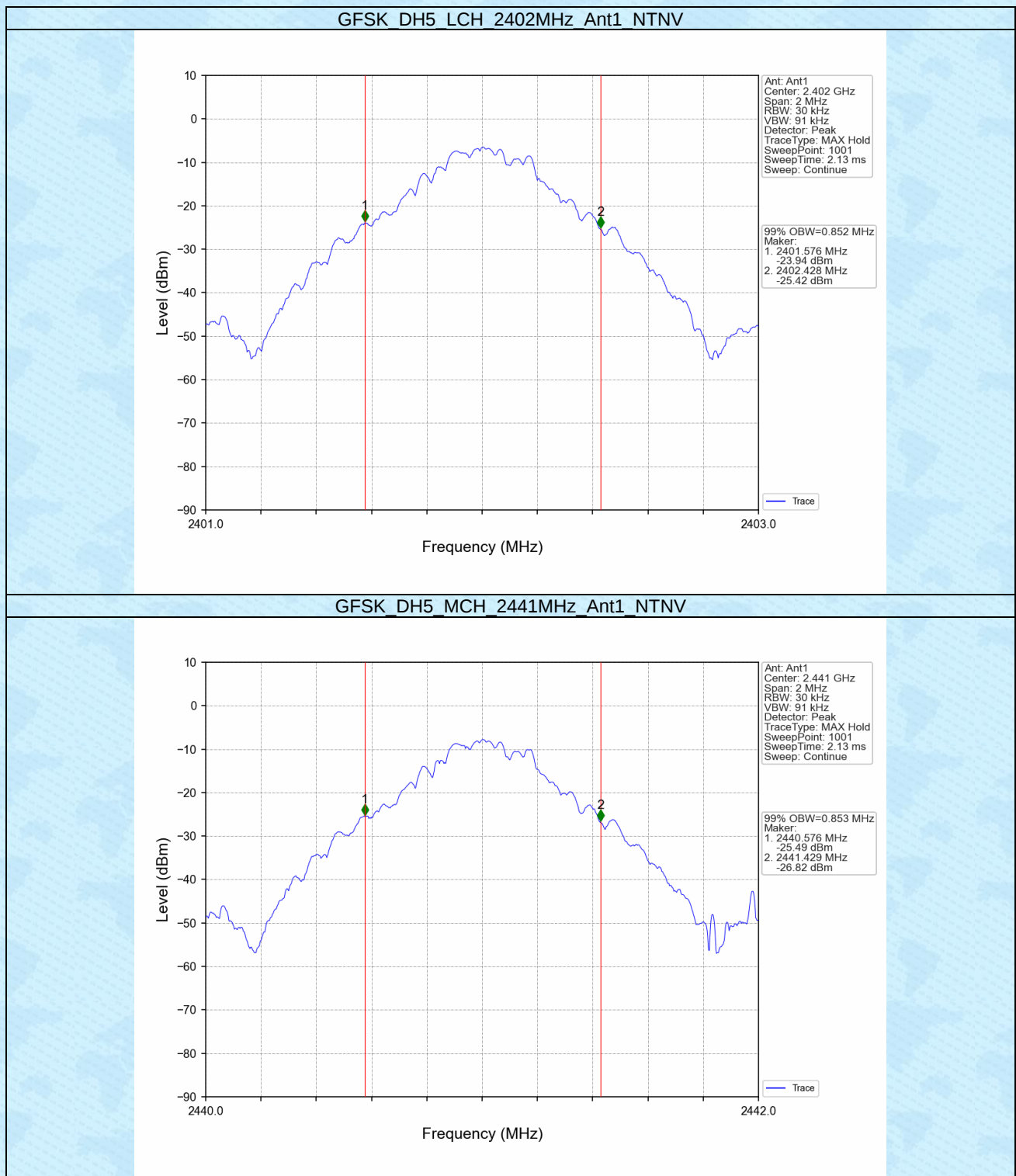
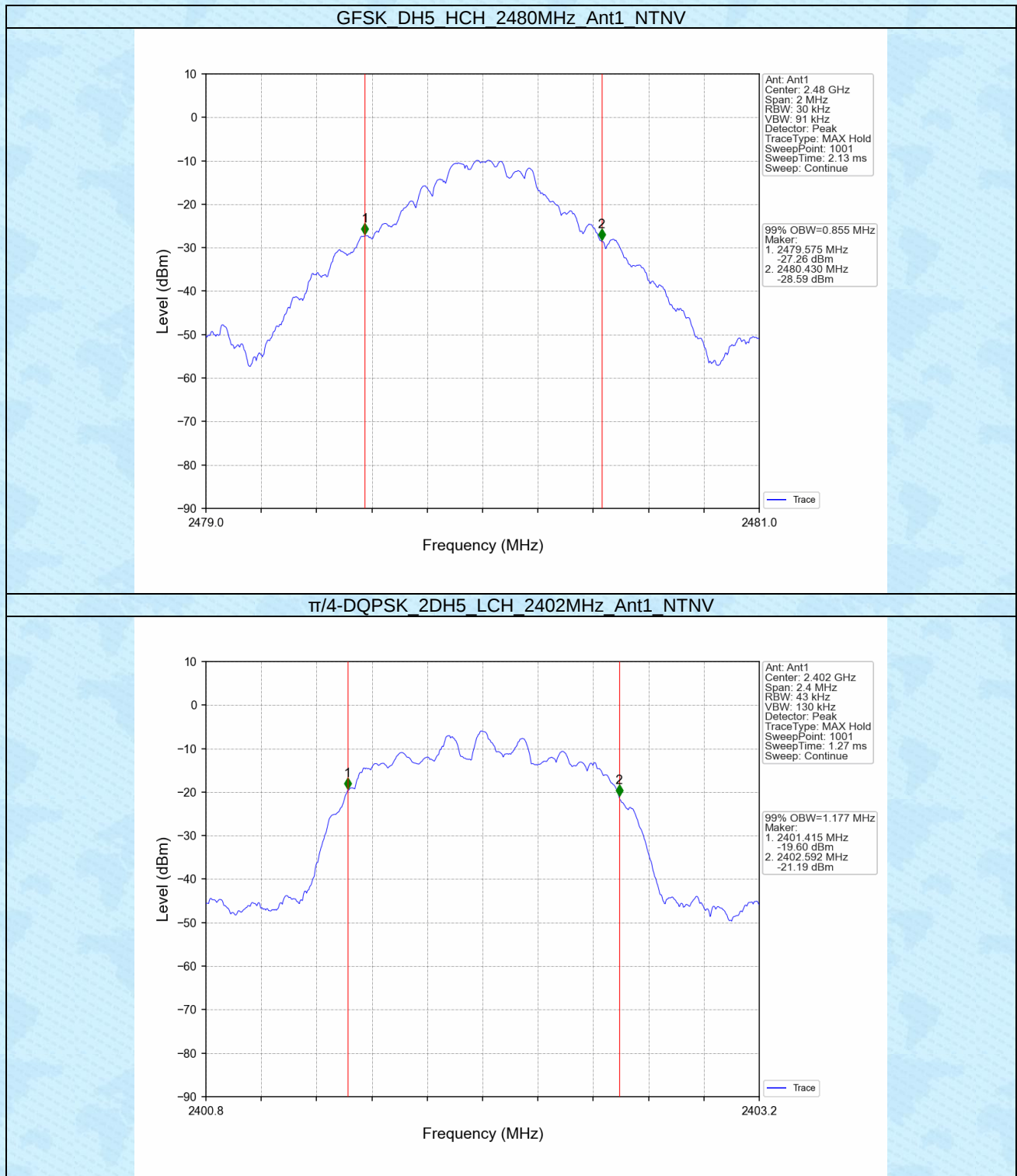


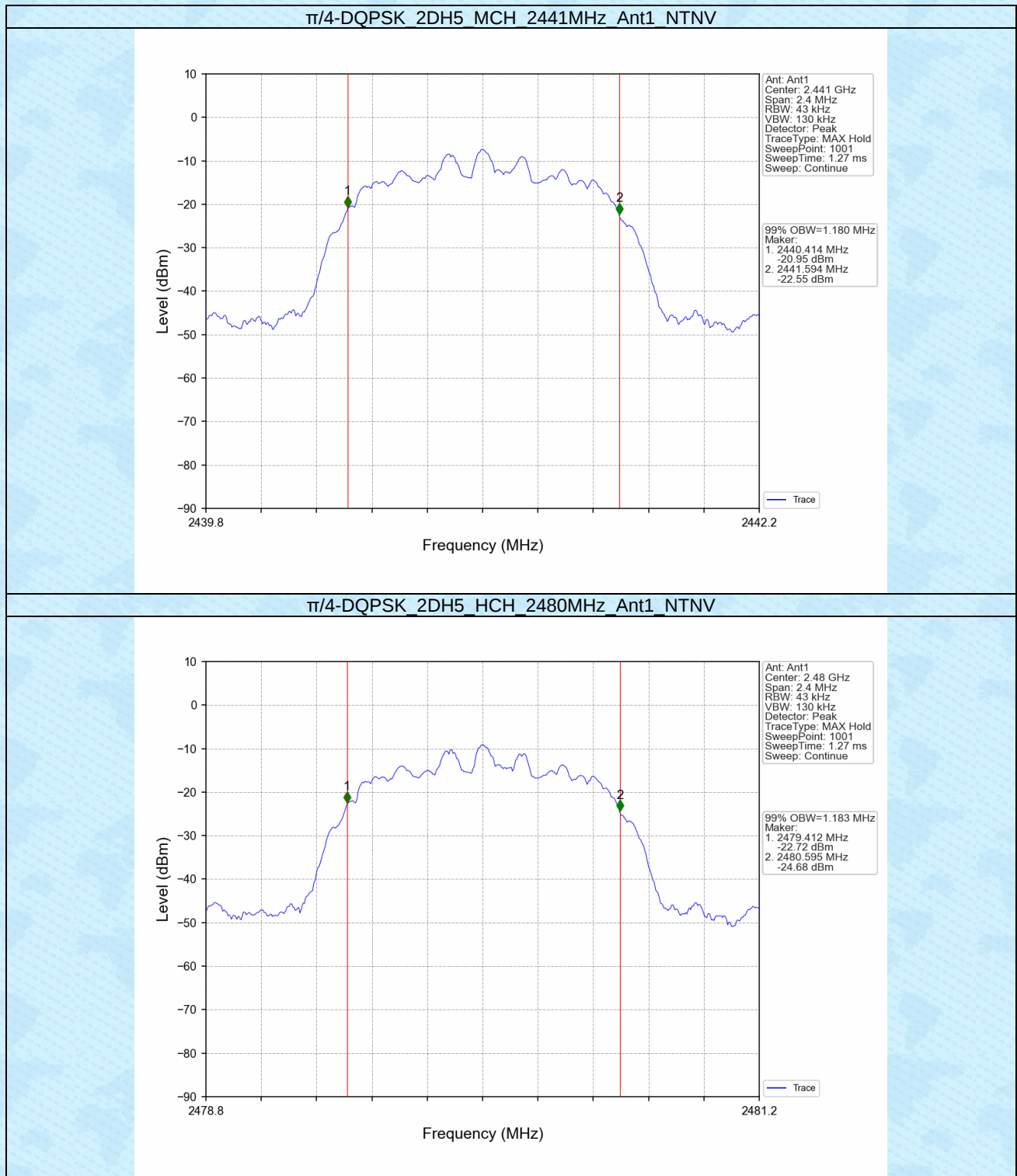
Appendix for 15.247**1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.852	Pass
		2441	DH5	1	0.853	Pass
		2480	DH5	1	0.855	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	1.177	Pass
		2441	2DH5	1	1.180	Pass
		2480	2DH5	1	1.183	Pass

1.1.2 Test Graph





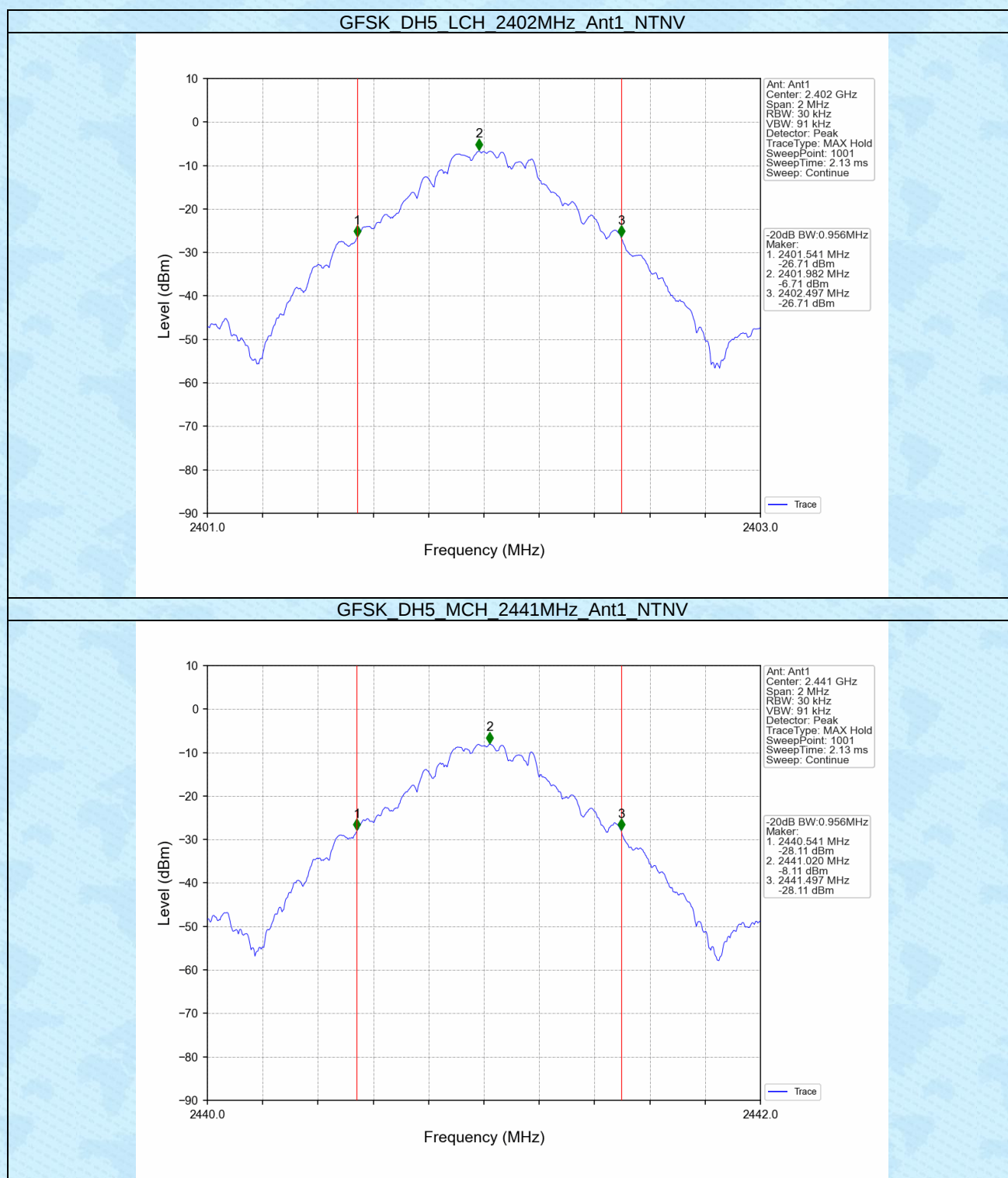


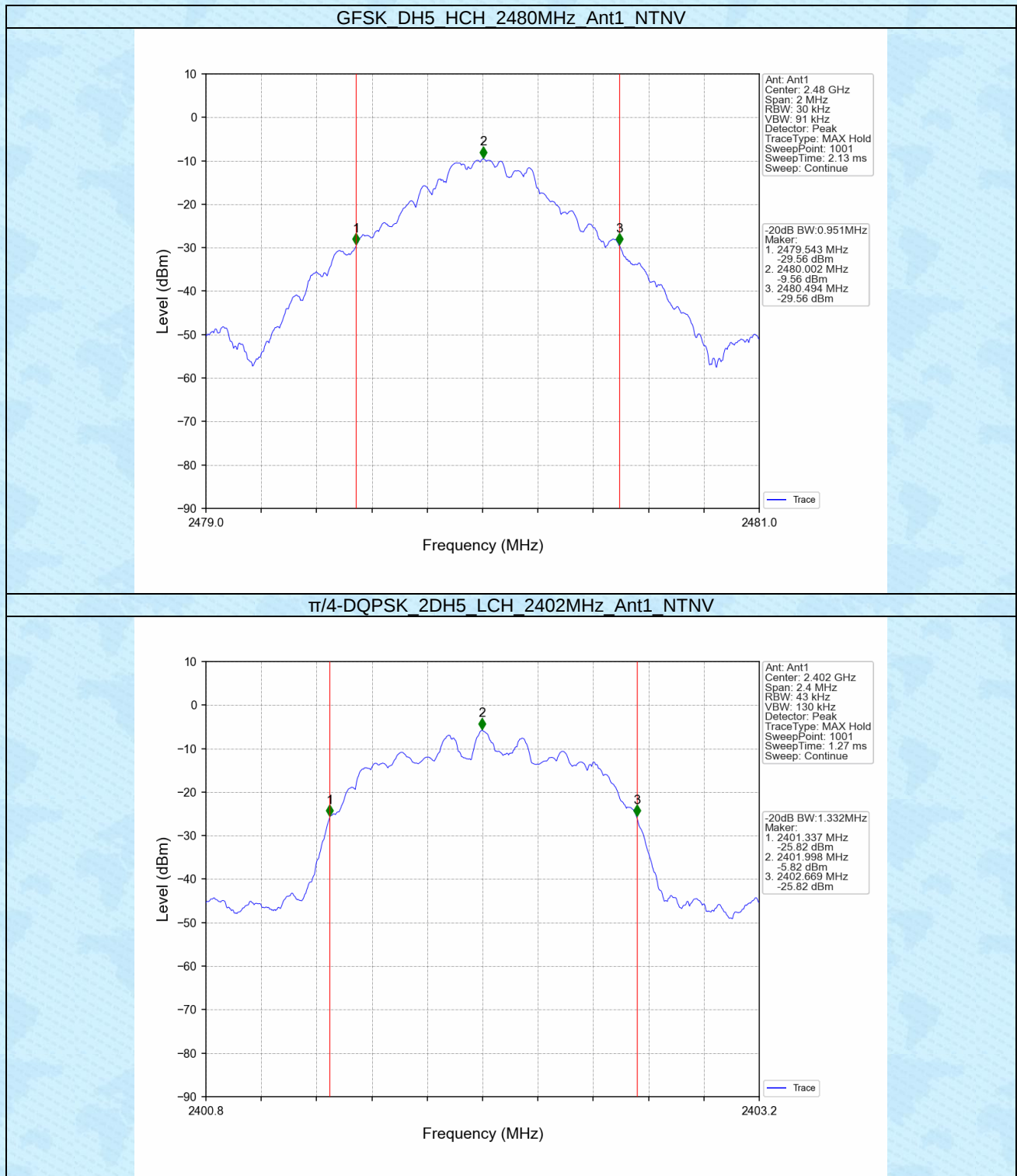
1.2 20dB BW

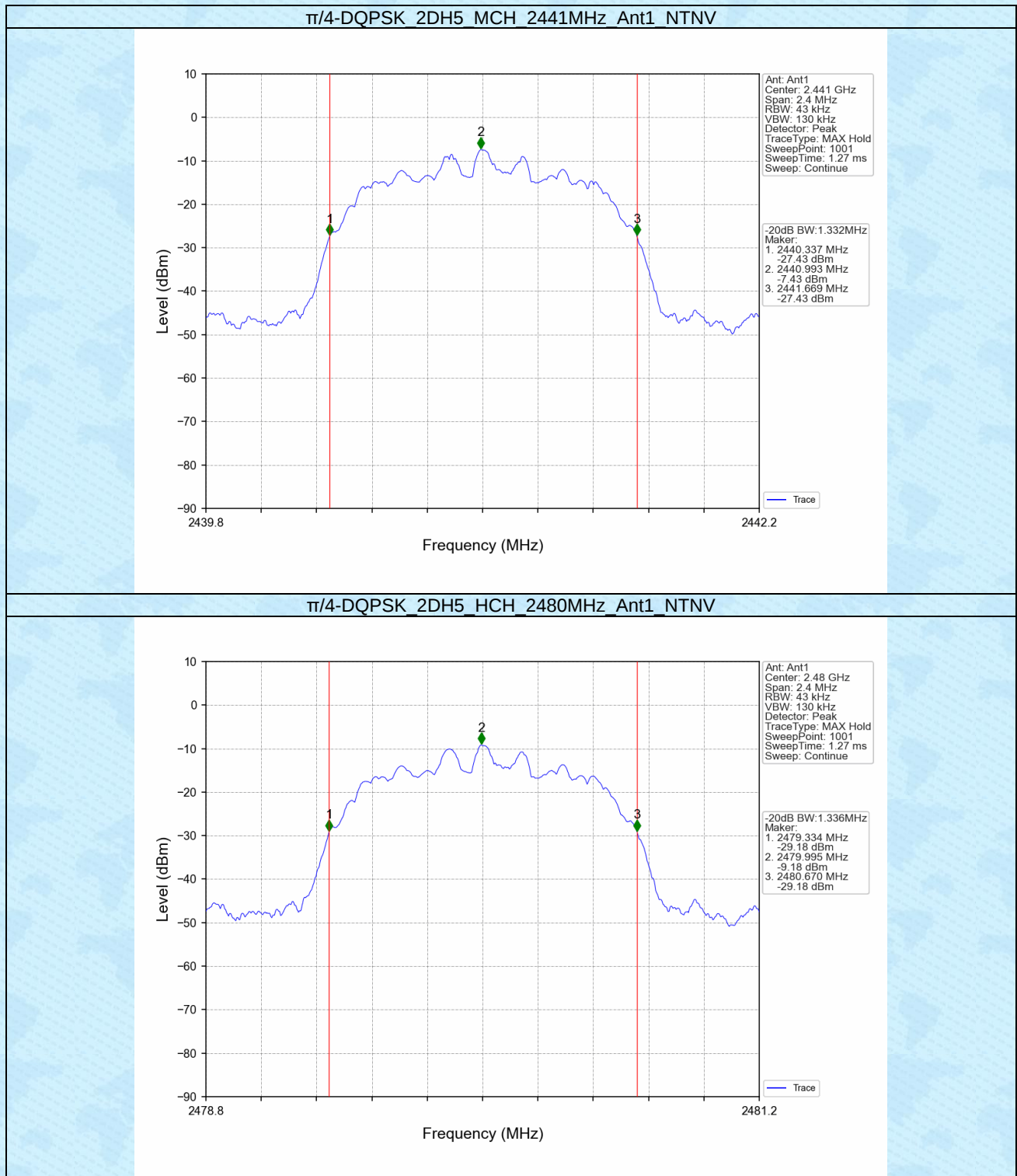
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.956	Pass
		2441	DH5	1	0.956	Pass
		2480	DH5	1	0.951	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	1.332	Pass
		2441	2DH5	1	1.332	Pass
		2480	2DH5	1	1.336	Pass

1.2.2 Test Graph







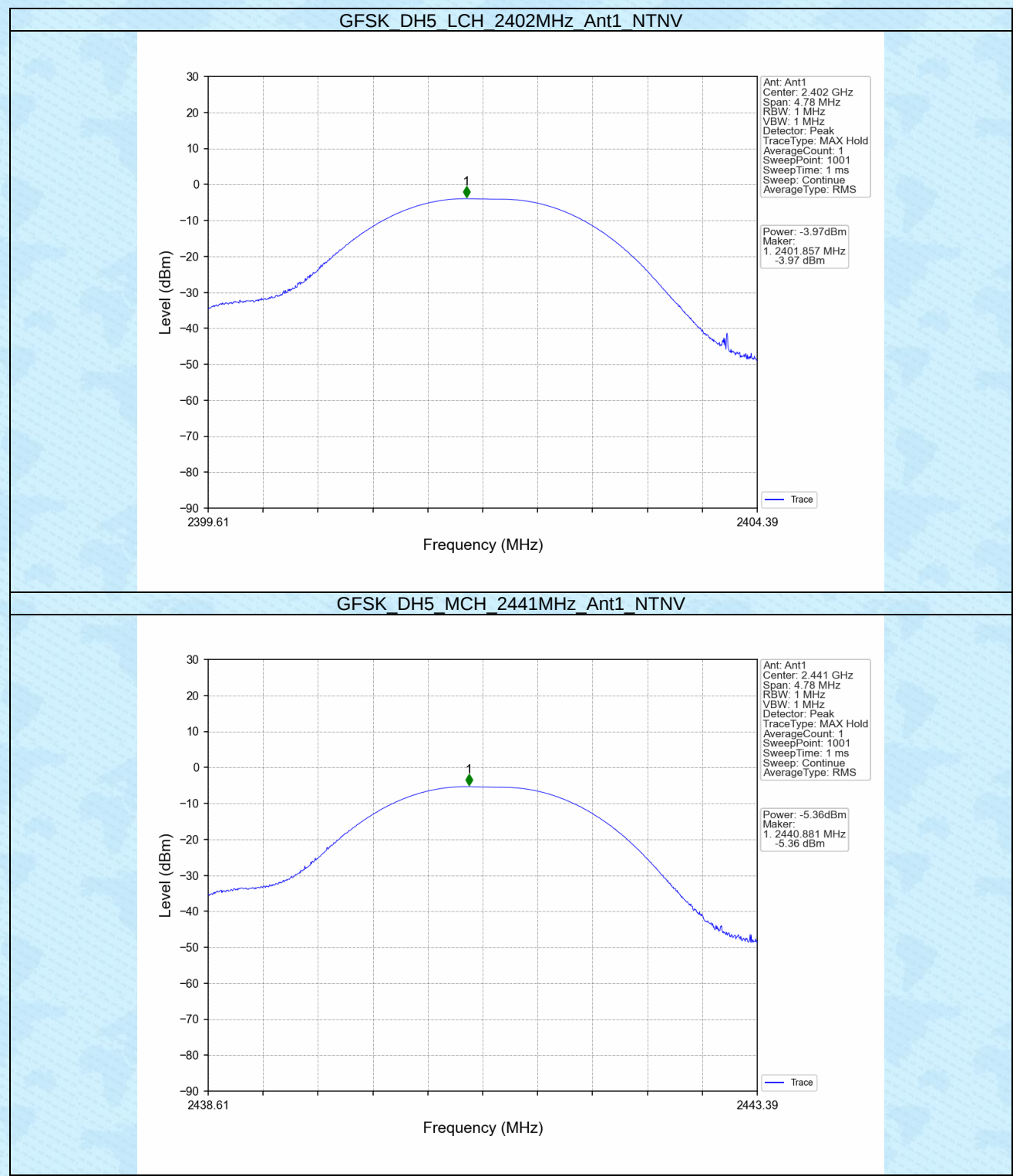
2. Maximum Conducted Output Power

2.1 Test Result

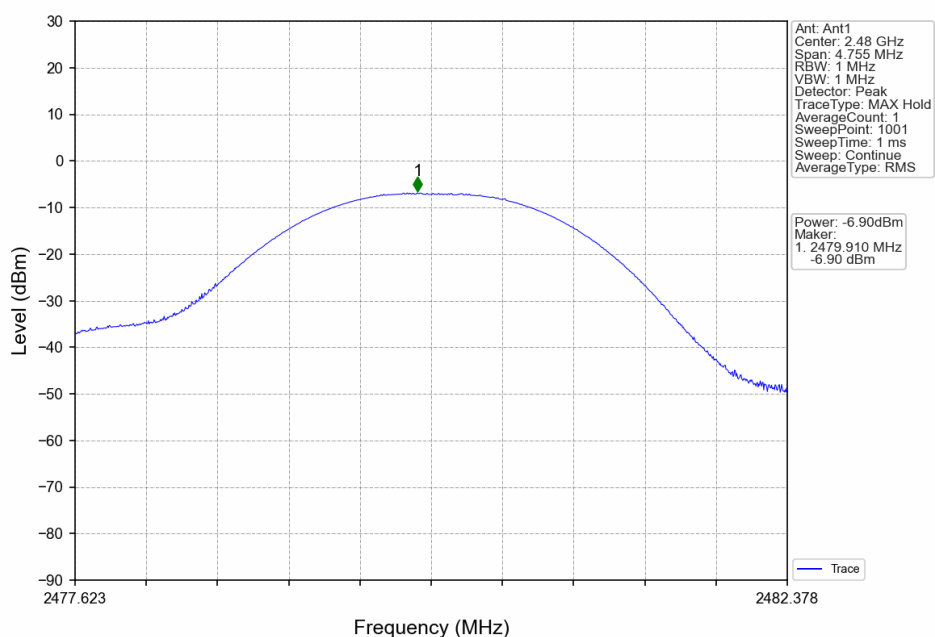
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-3.97	<=30	Pass
		2441	DH5	-5.36	<=30	Pass
		2480	DH5	-6.90	<=30	Pass
π/4-DQPSK	SISO	2402	2DH5	-3.07	<=20.97	Pass
		2441	2DH5	-4.53	<=20.97	Pass
		2480	2DH5	-6.32	<=20.97	Pass

Note1: Antenna Gain: Ant1: -0.58dBi;

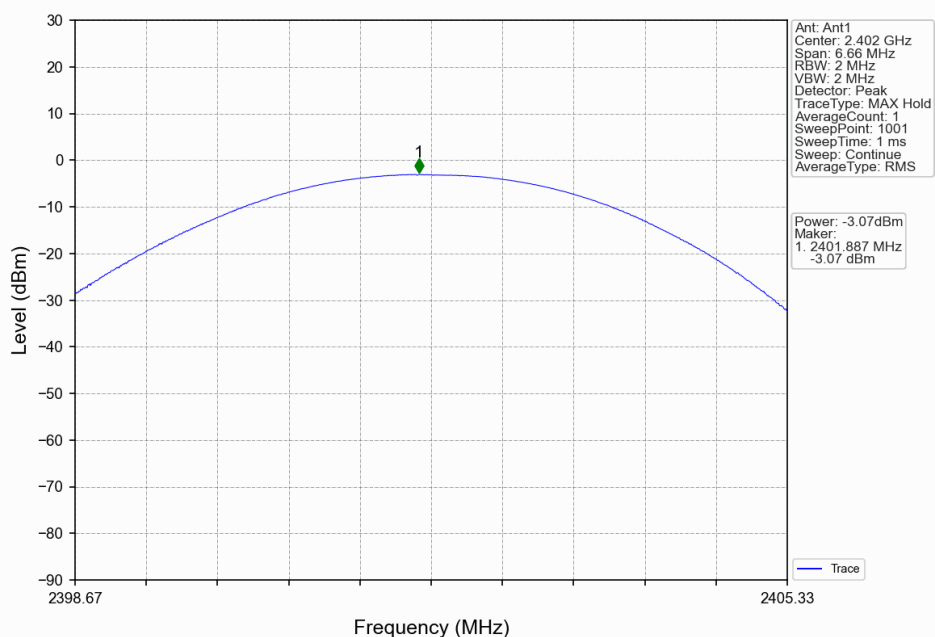
2.2 Test Graph

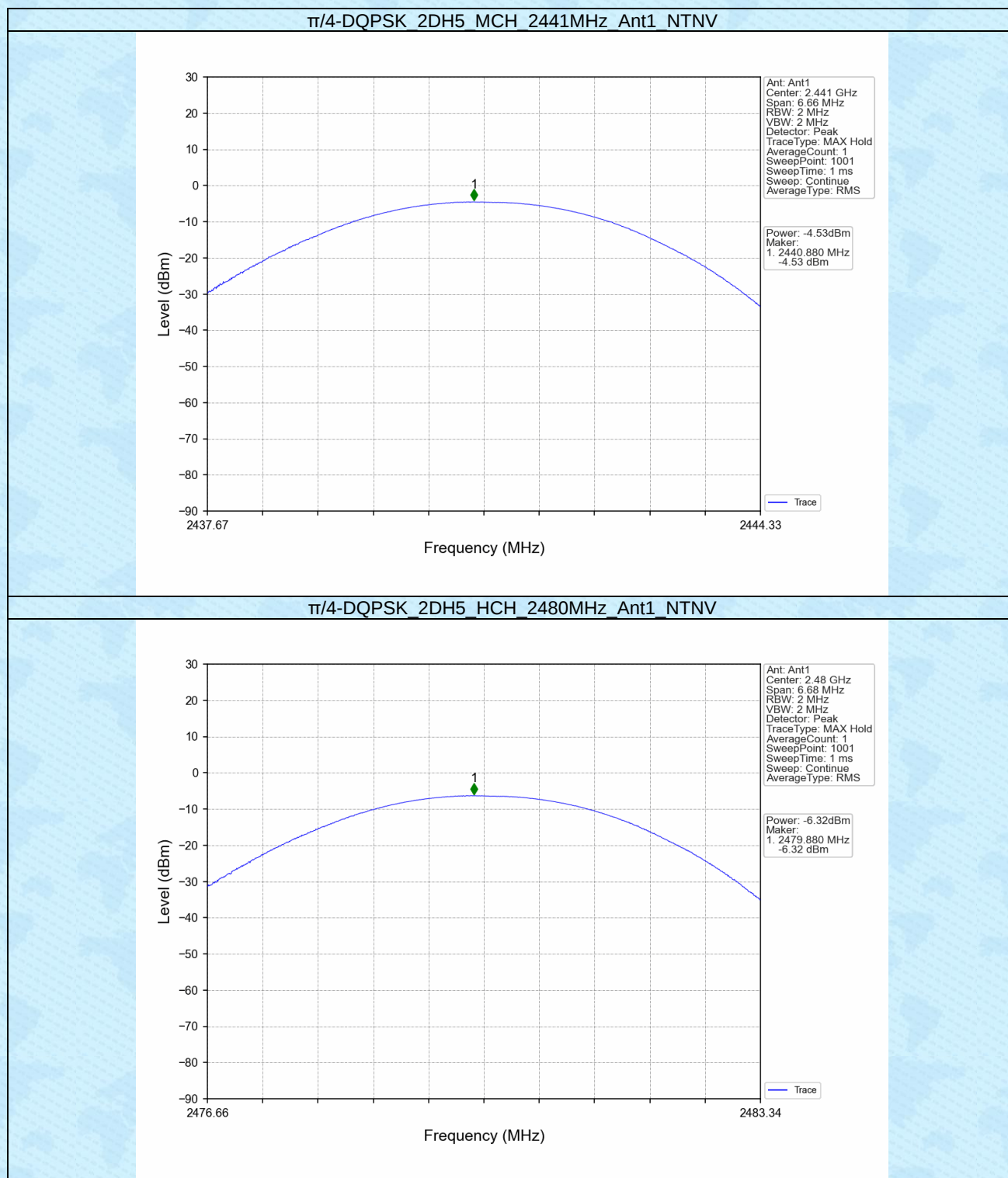


GFSK DH5 HCH 2480MHz Ant1 NTN



$\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTN



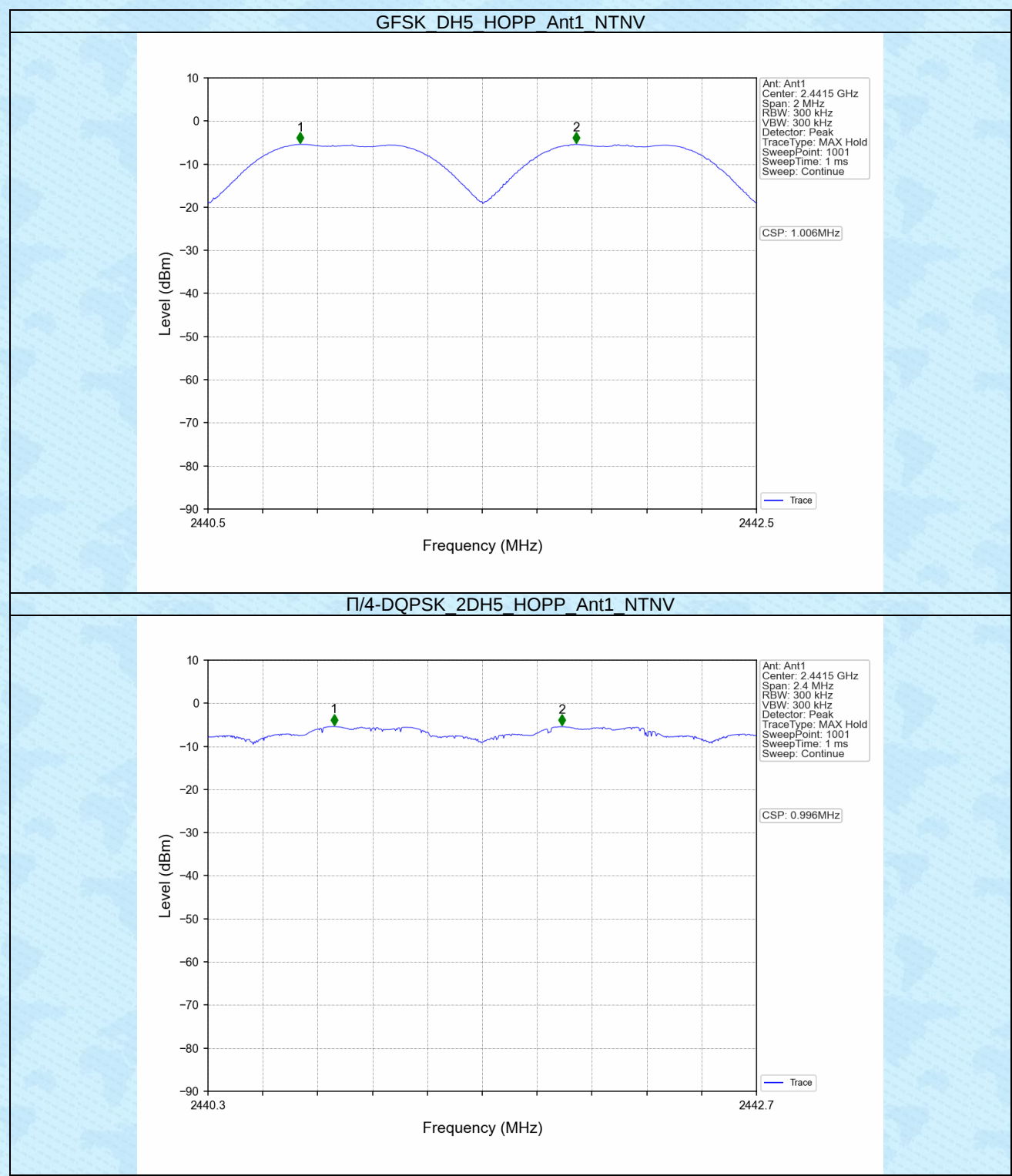


3. Carrier Frequency Separation

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	0.956	≥ 0.956	Pass
$\pi/4$ -DQPSK	SISO	HOPP	2DH5	0.996	1.336	≥ 0.891	Pass

3.2 Test Graph

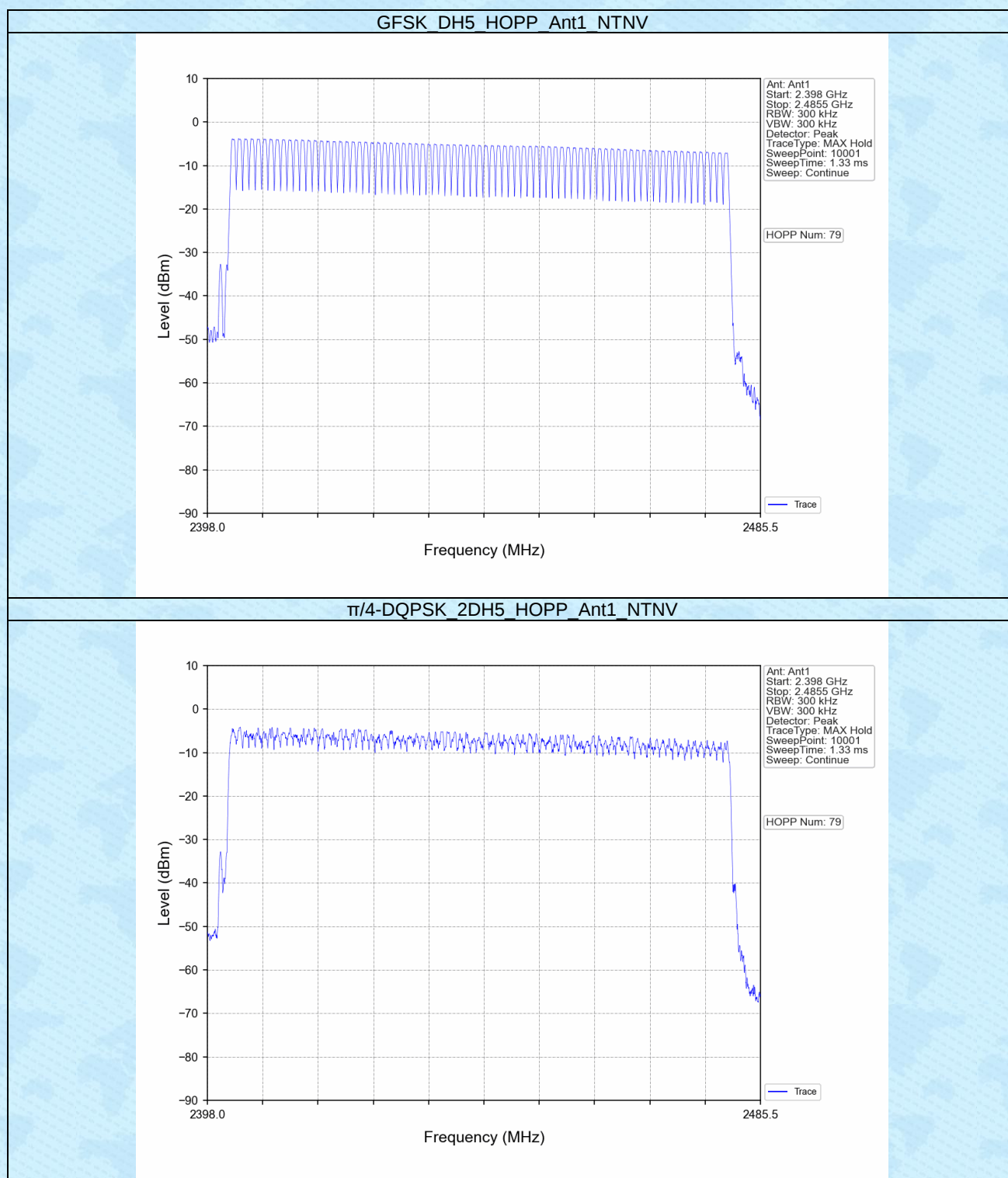


4. Number of Hopping Frequencies

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
$\pi/4$ -DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass

4.2 Test Graph

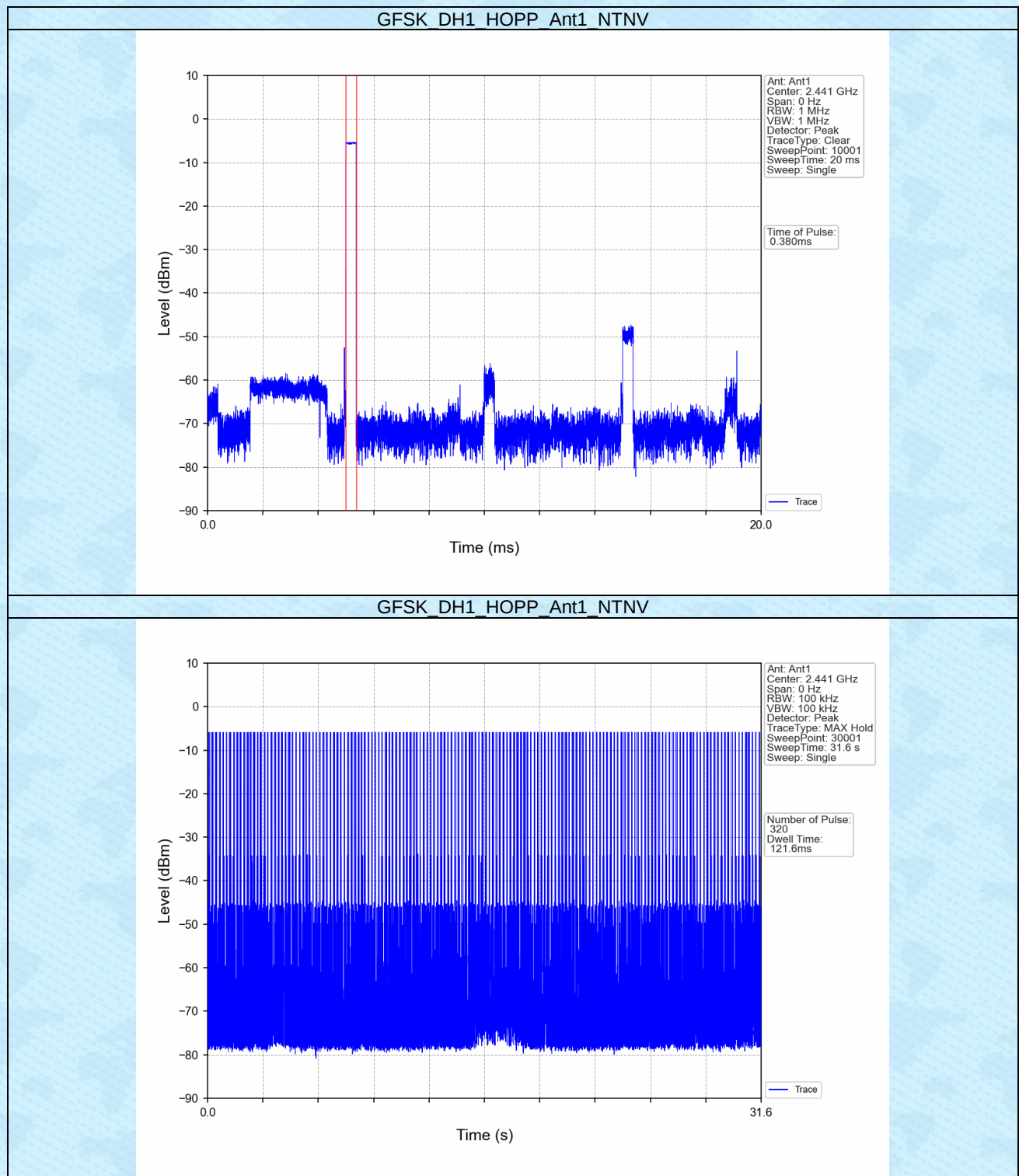


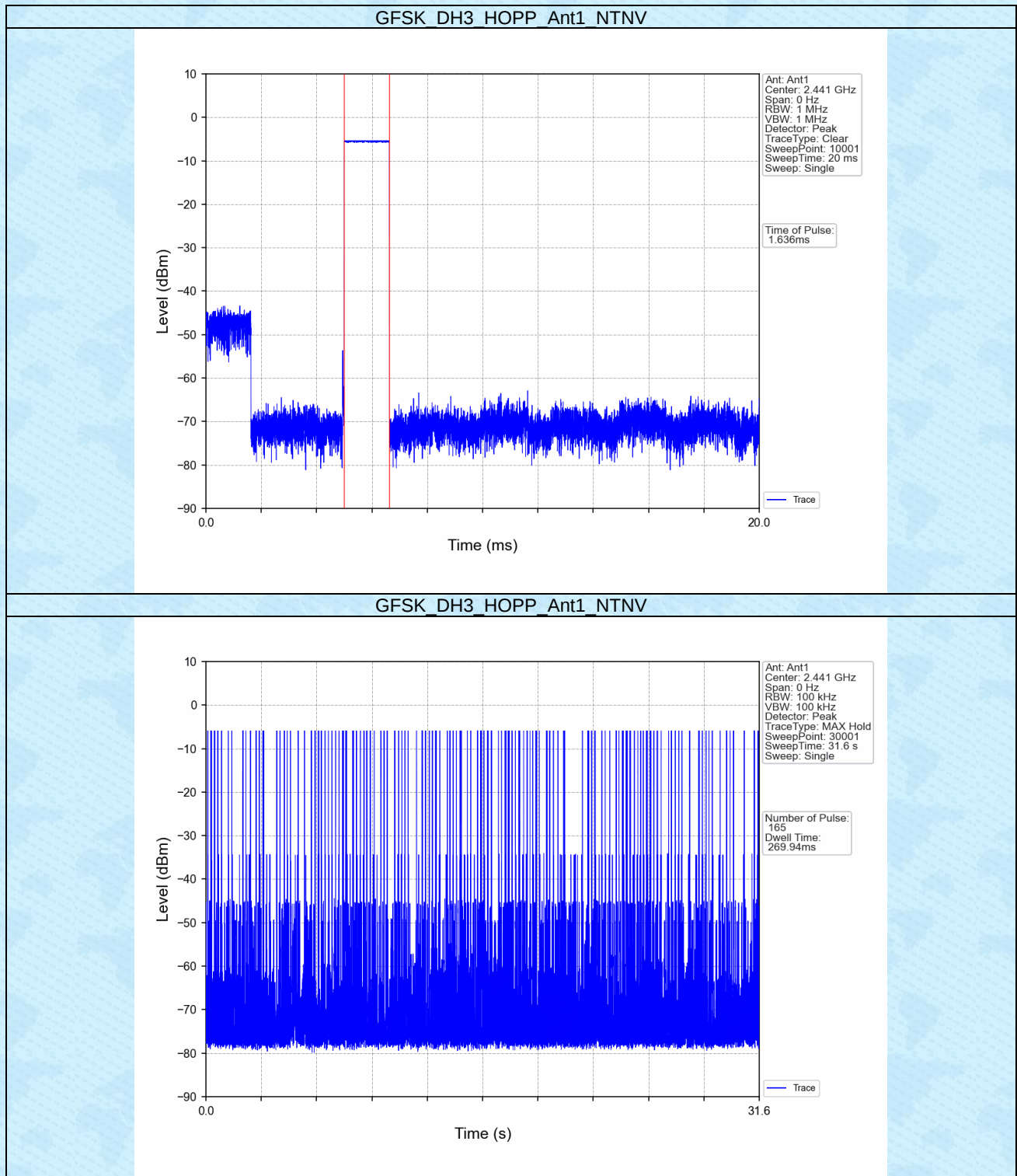
5. Time of Occupancy (Dwell Time)

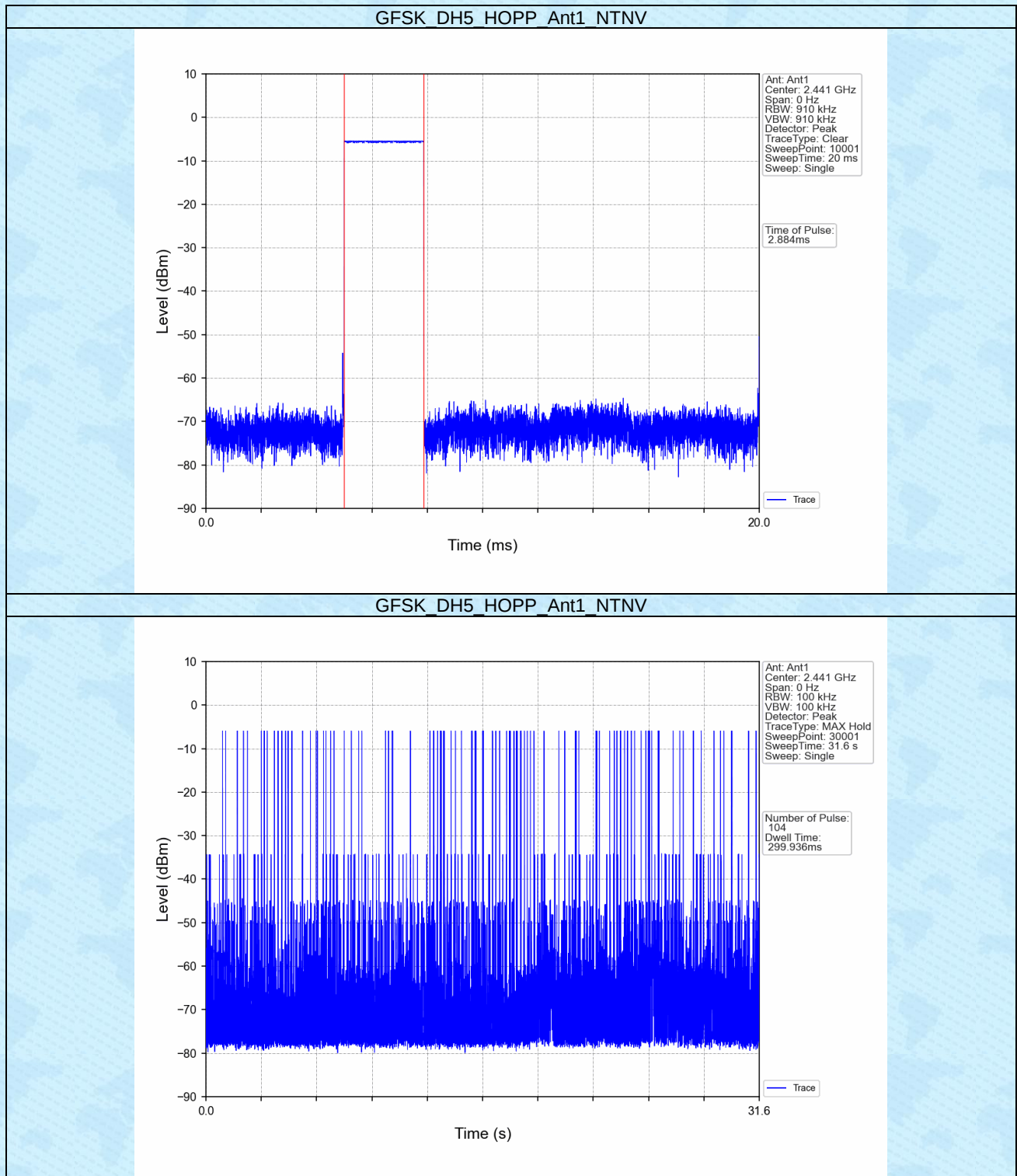
5.1 Test Result

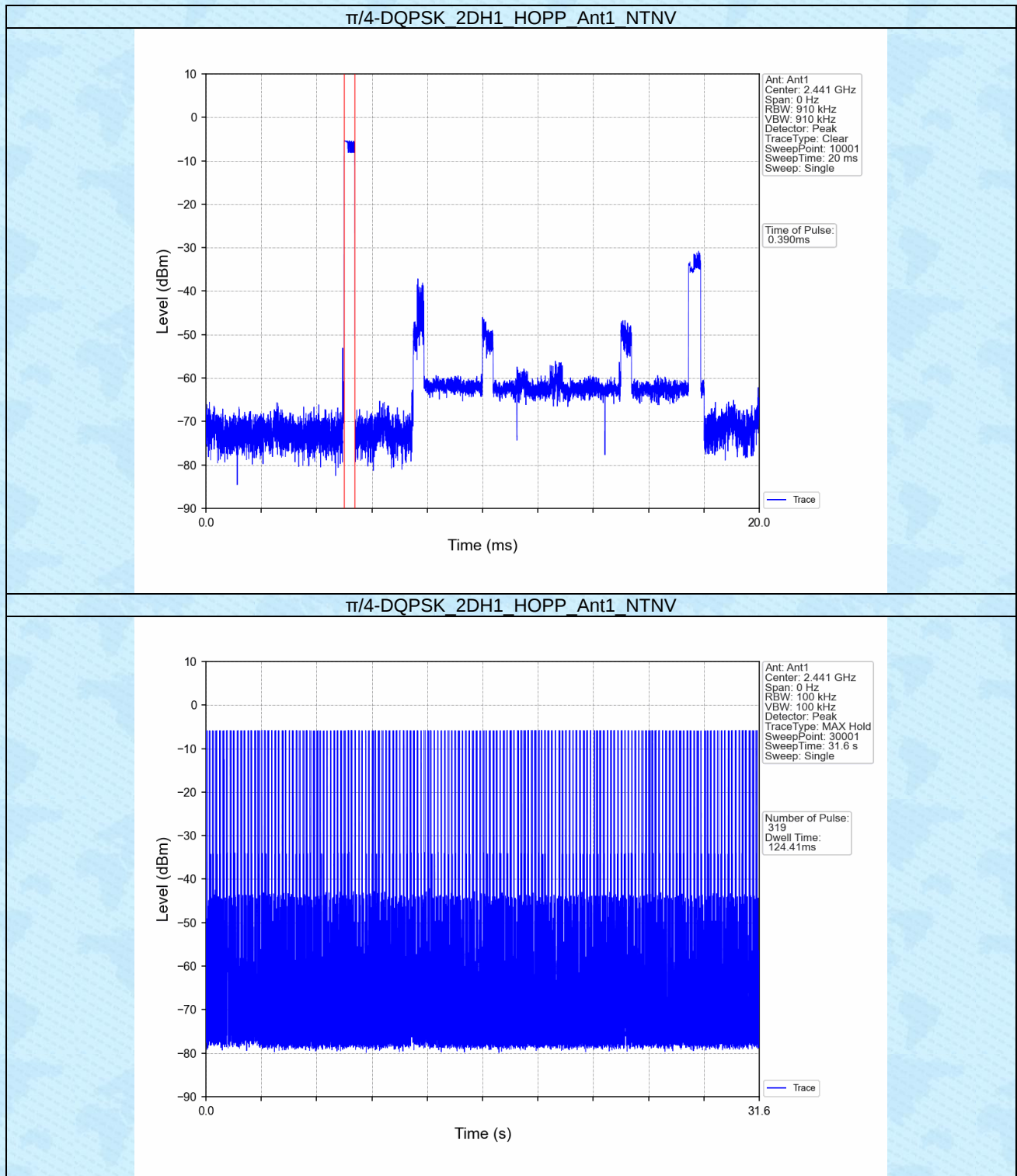
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.380	31.600	320	121.600	<=400	Pass
			DH3	1.636	31.600	165	269.940	<=400	Pass
			DH5	2.884	31.600	104	299.936	<=400	Pass
$\pi/4$ -DQPSK	SISO	HOPP	2DH1	0.390	31.600	319	124.410	<=400	Pass
			2DH3	1.644	31.600	157	258.108	<=400	Pass
			2DH5	2.890	31.600	108	312.120	<=400	Pass

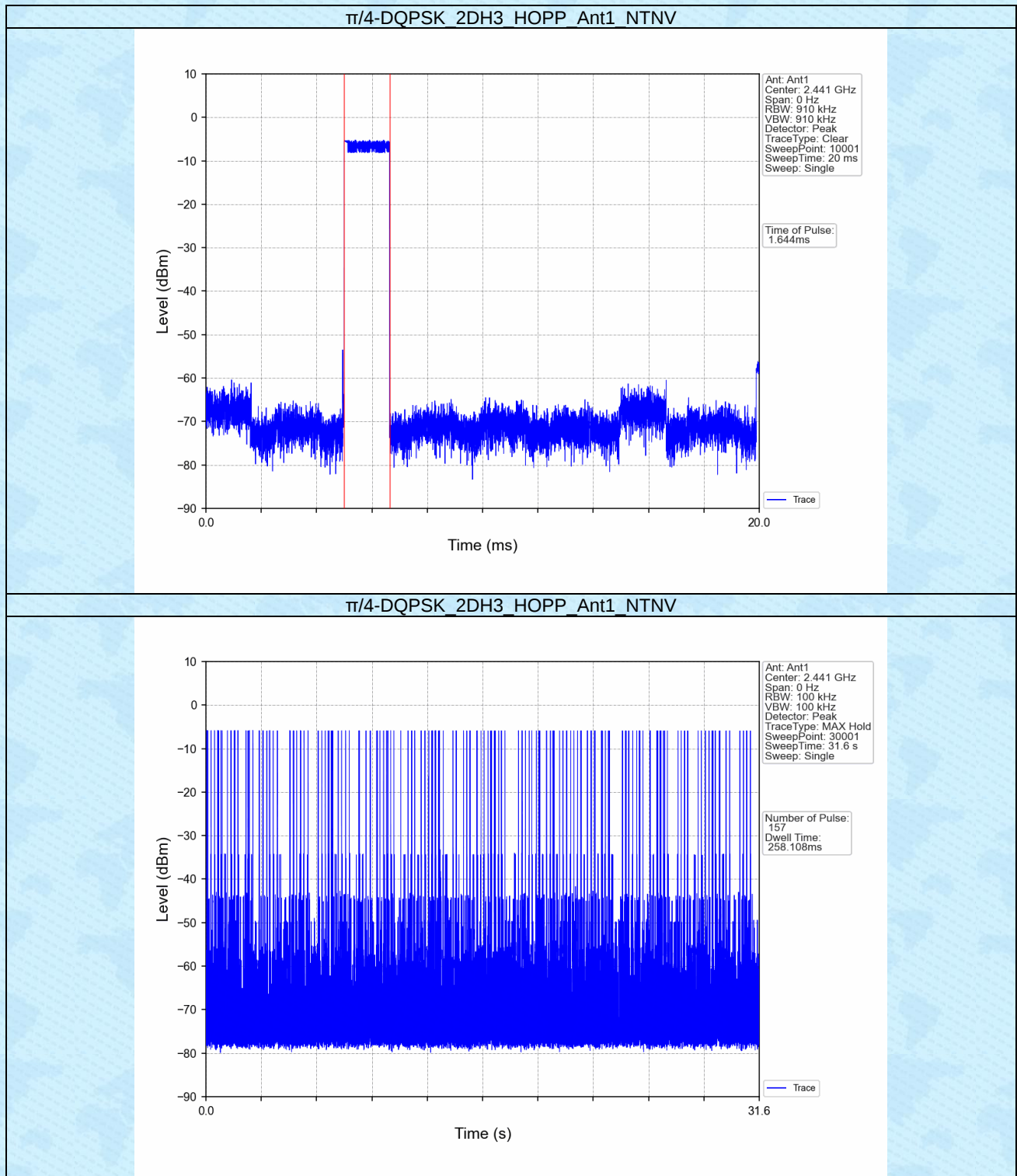
5.2 Test Graph



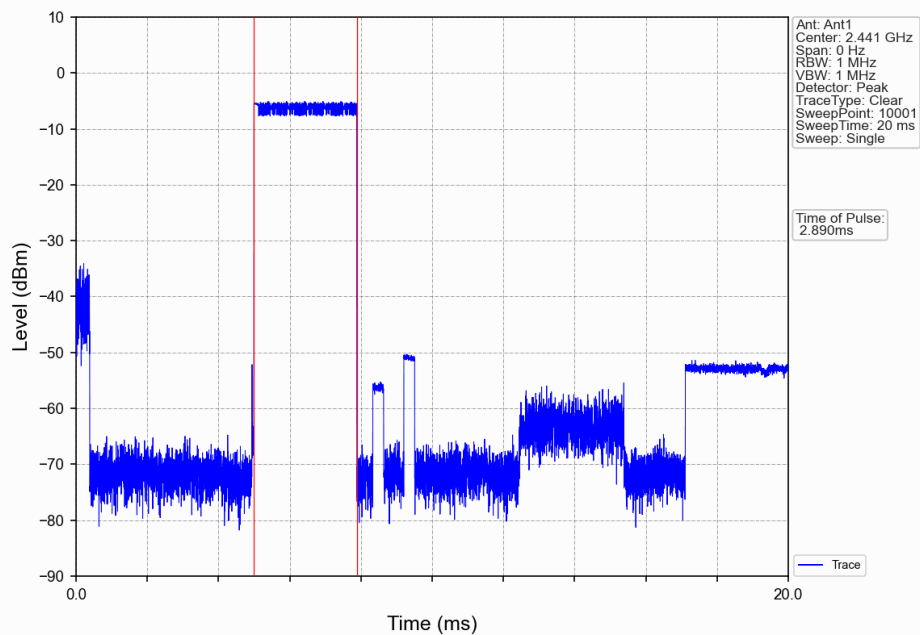




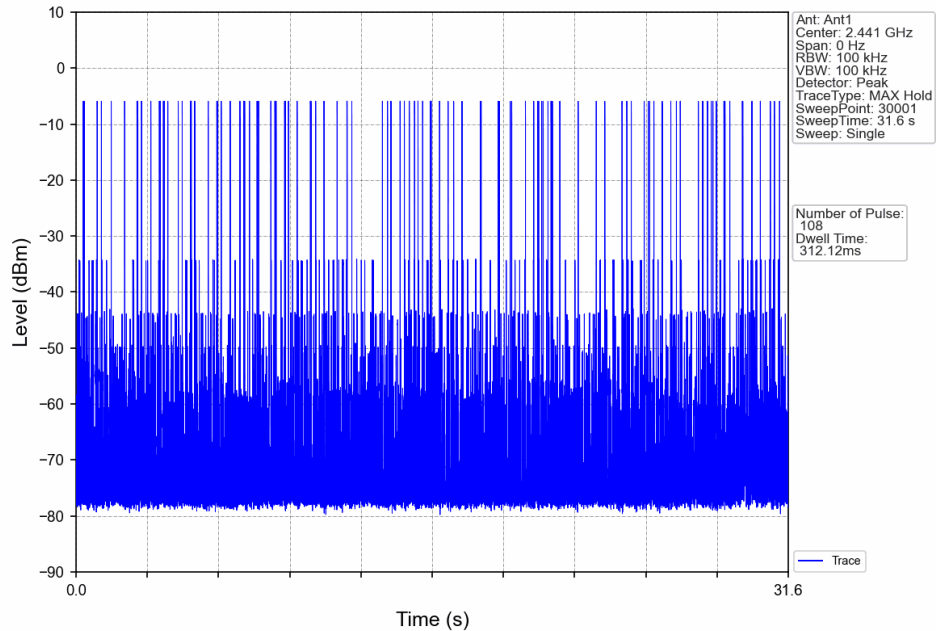




$\pi/4$ -DQPSK 2DH5_HOPP_Ant1_NTNV



$\pi/4$ -DQPSK 2DH5_HOPP_Ant1_NTNV



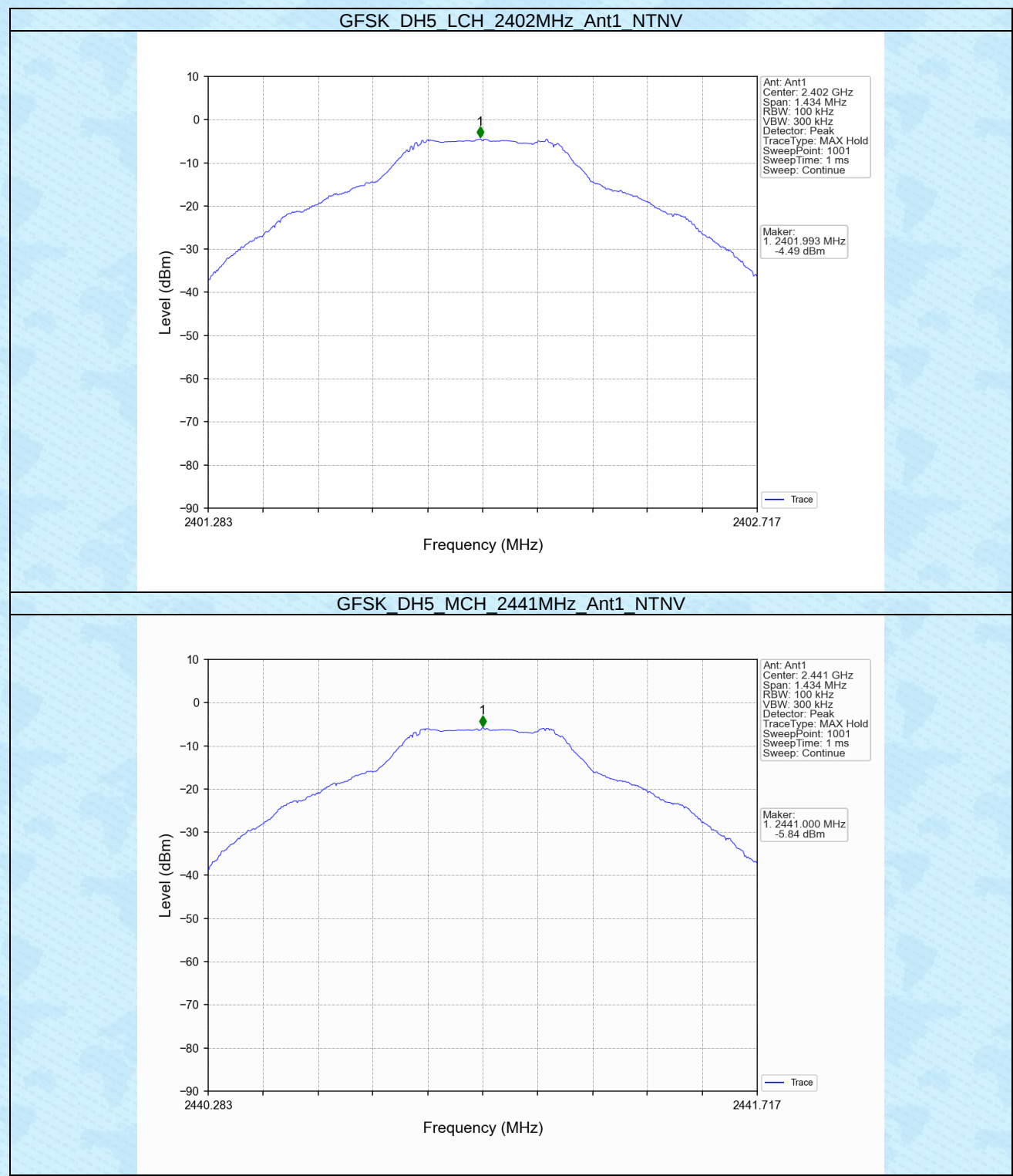
6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

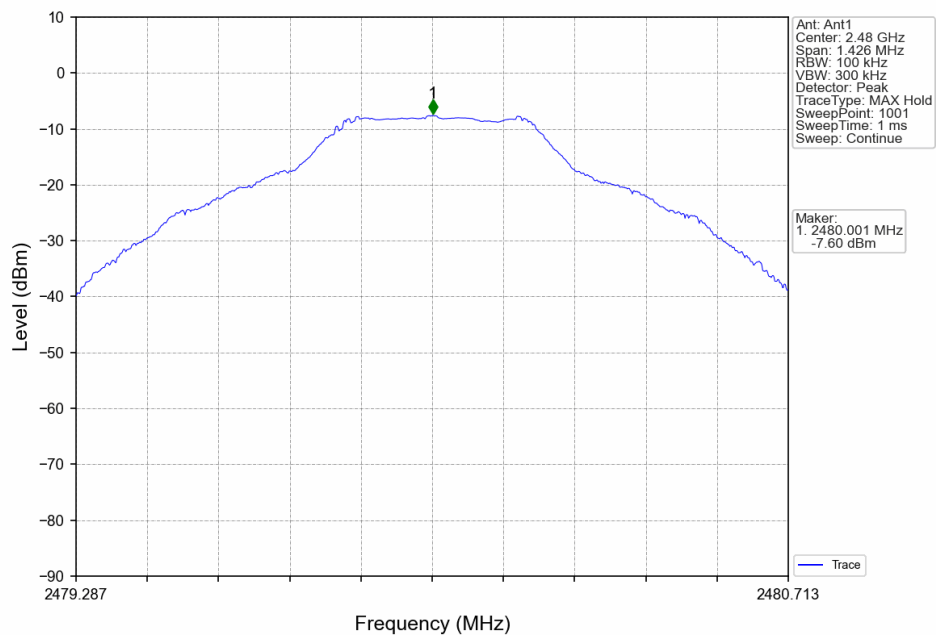
6.1.1 Test Result

Mode	Tx Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-4.49
		2441	DH5	1	-5.84
		2480	DH5	1	-7.60
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	-4.21
		2441	2DH5	1	-5.64
		2480	2DH5	1	-7.41
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10, the channel contains the maximum PSD level was used to establish the reference level.					

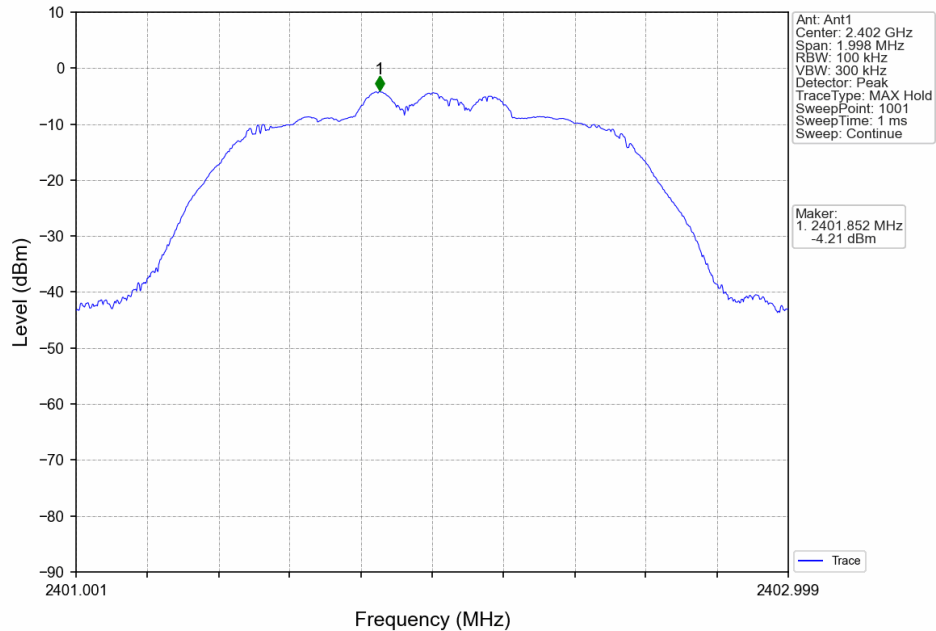
6.1.2 Test Graph

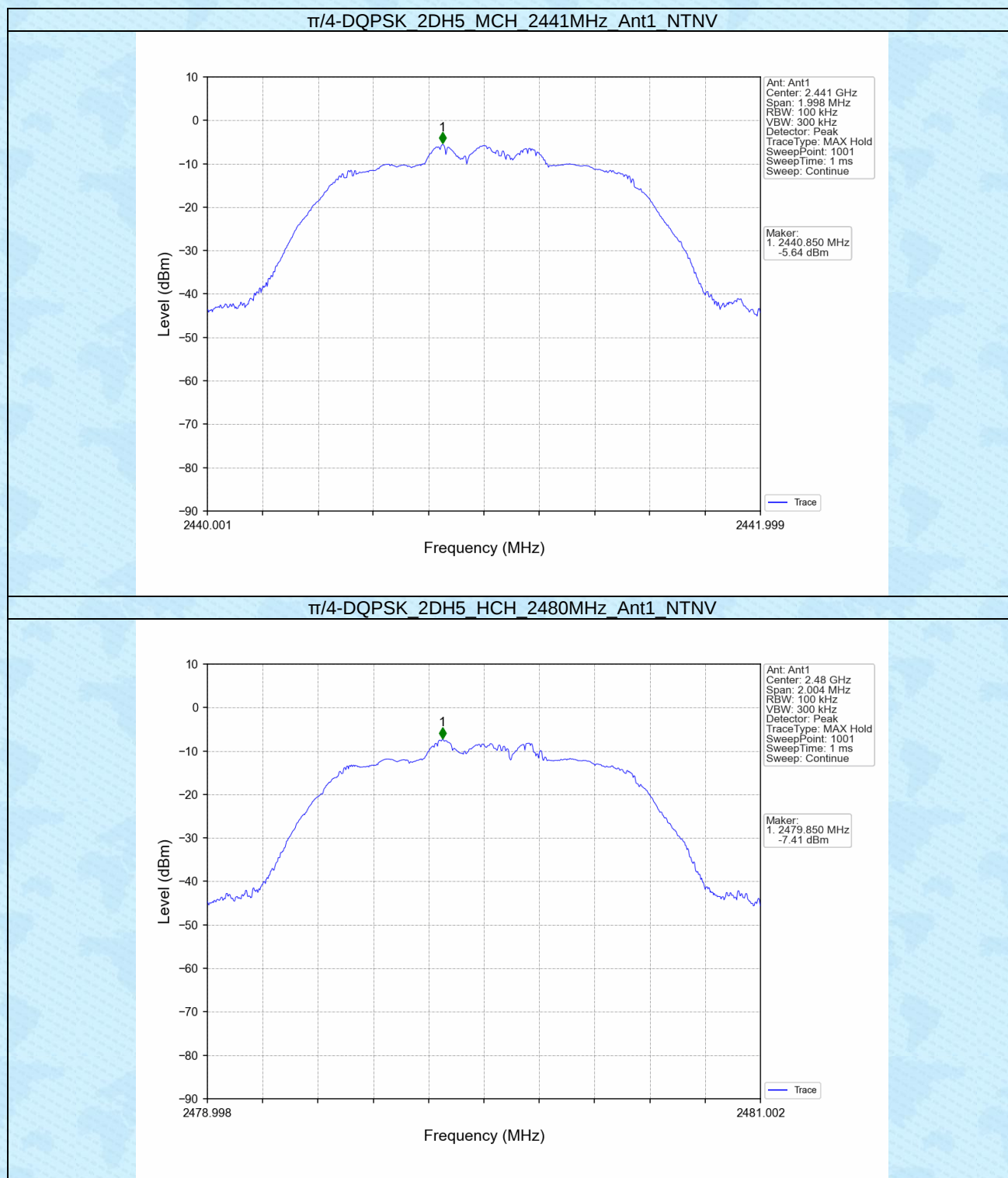


GFSK DH5 HCH 2480MHz Ant1 NTN



$\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTN





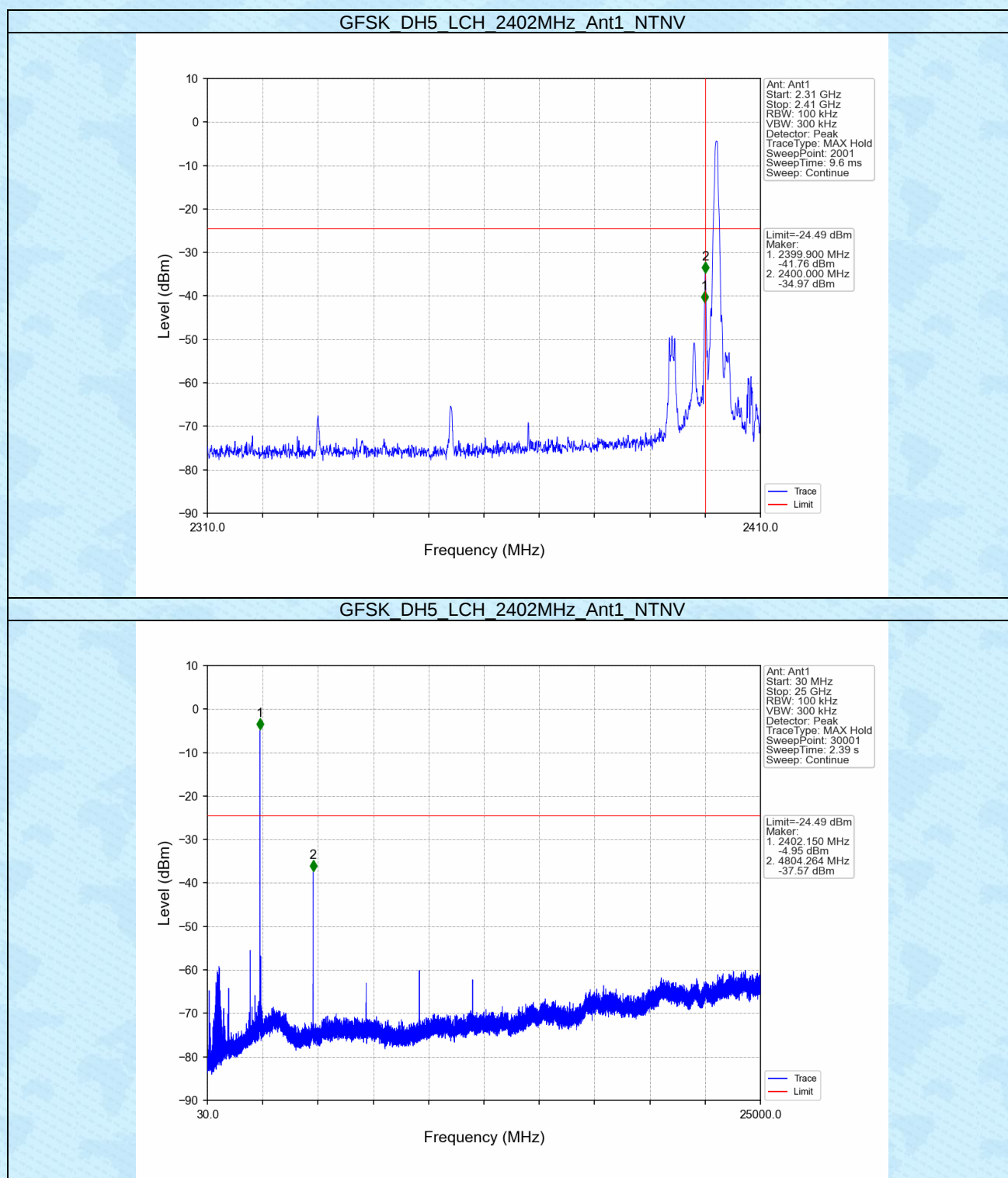
6.2 CSE

6.2.1 Test Result

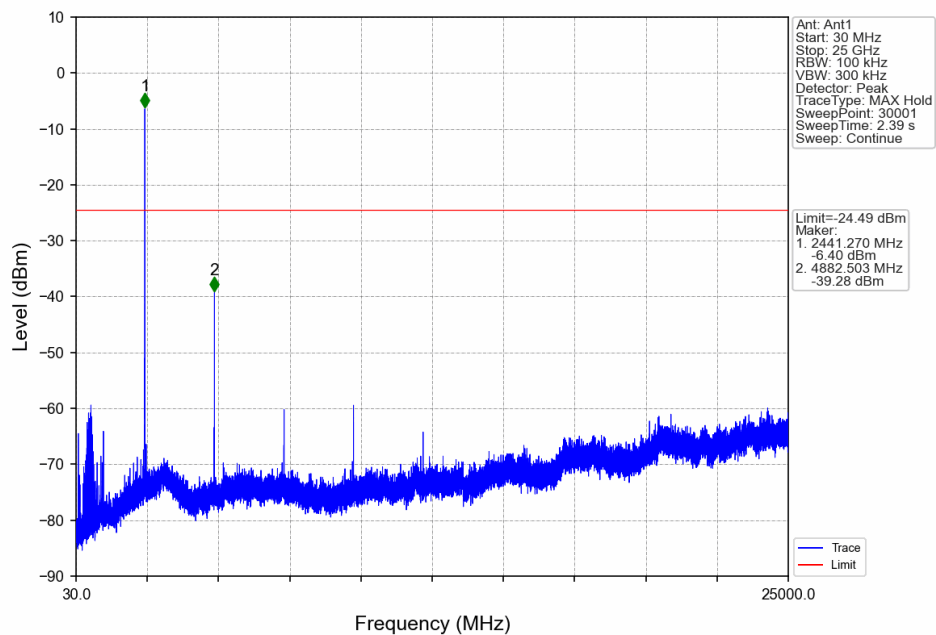
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-4.49	-24.49	Pass
		2441	DH5	1	-4.49	-24.49	Pass
		2480	DH5	1	-4.49	-24.49	Pass
		HOPP	DH5	1	-4.49	-24.49	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	-4.21	-24.21	Pass
		2441	2DH5	1	-4.21	-24.21	Pass
		2480	2DH5	1	-4.21	-24.21	Pass
		HOPP	2DH5	1	-4.21	-24.21	Pass

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

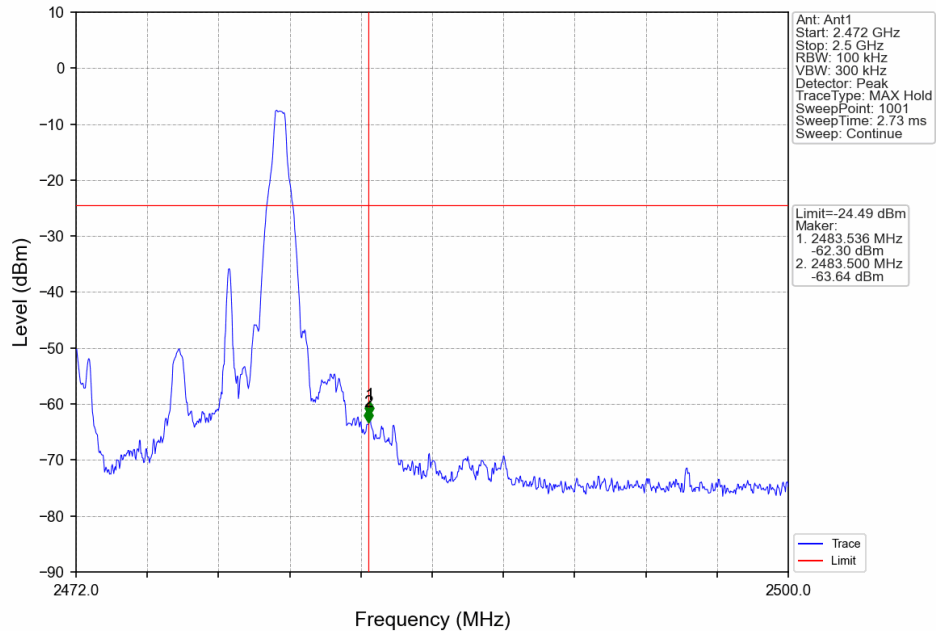
6.2.2 Test Graph



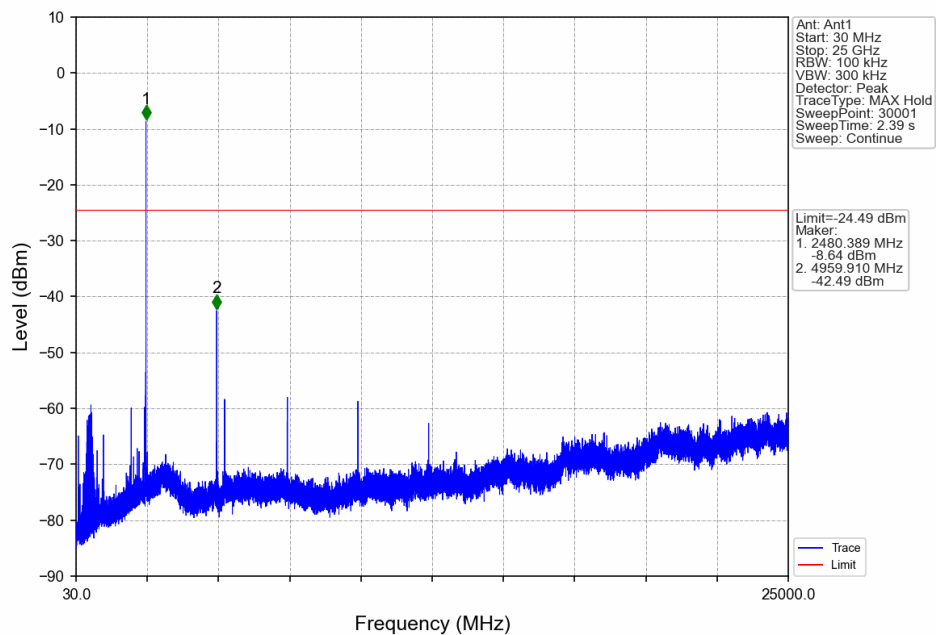
GFSK DH5 MCH 2441MHz Ant1 NTN



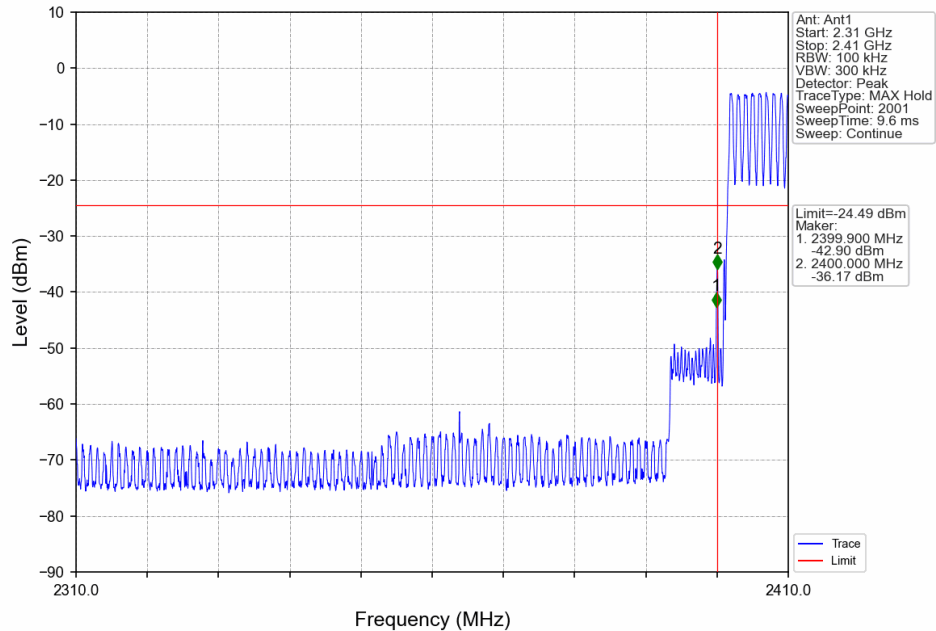
GFSK DH5 HCH 2480MHz Ant1 NTN

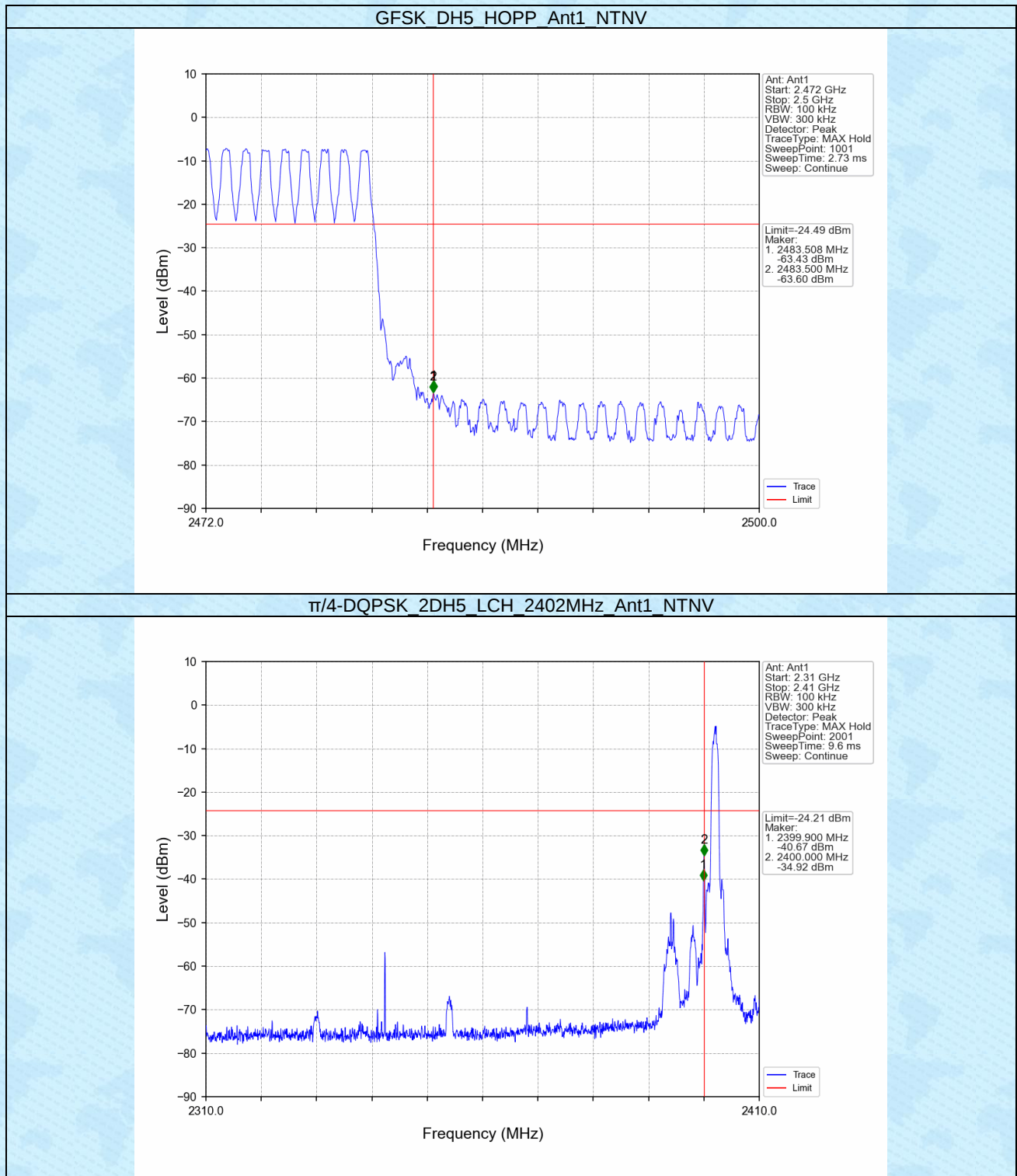


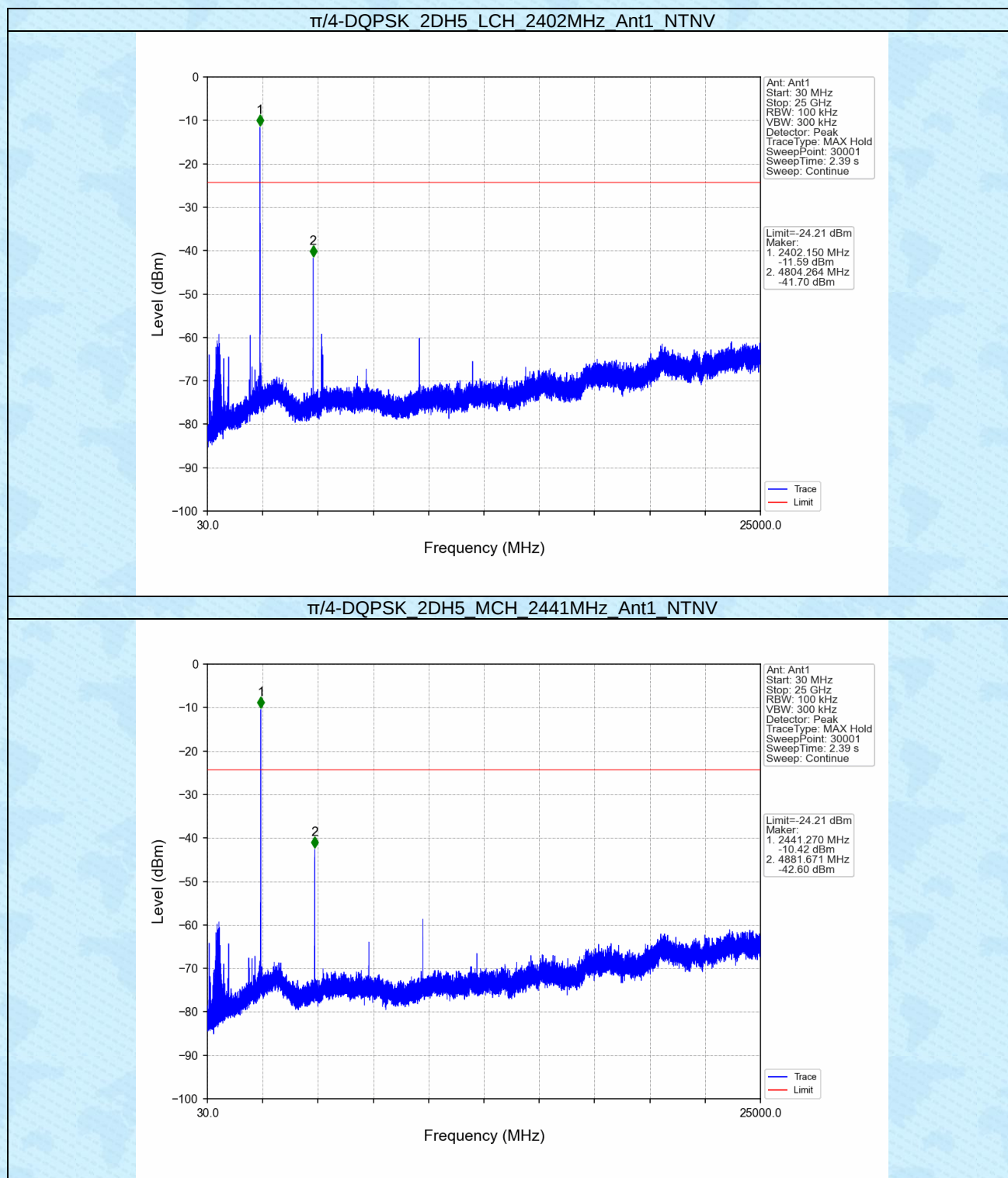
GFSK DH5 HCH 2480MHz Ant1 NTN

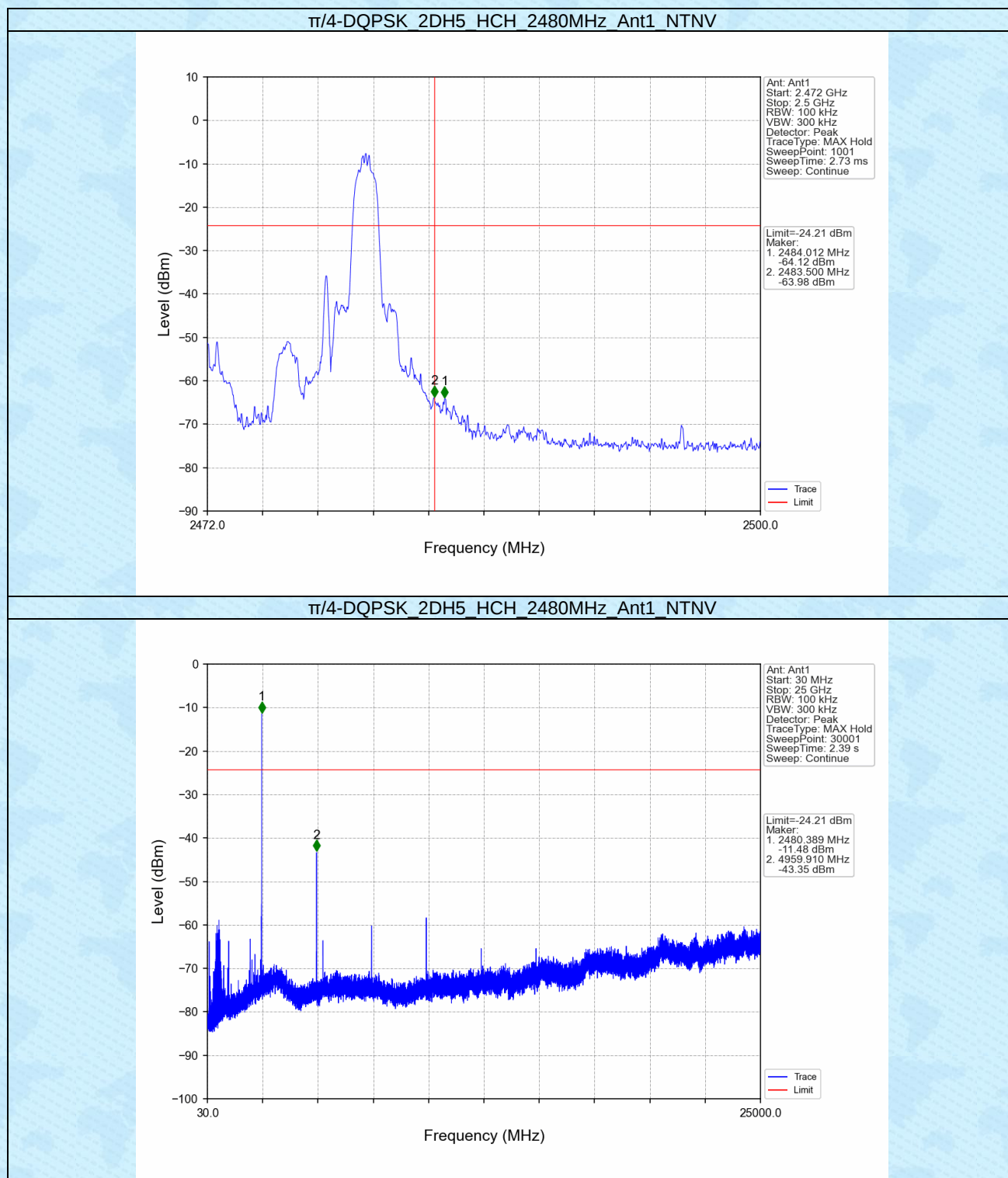


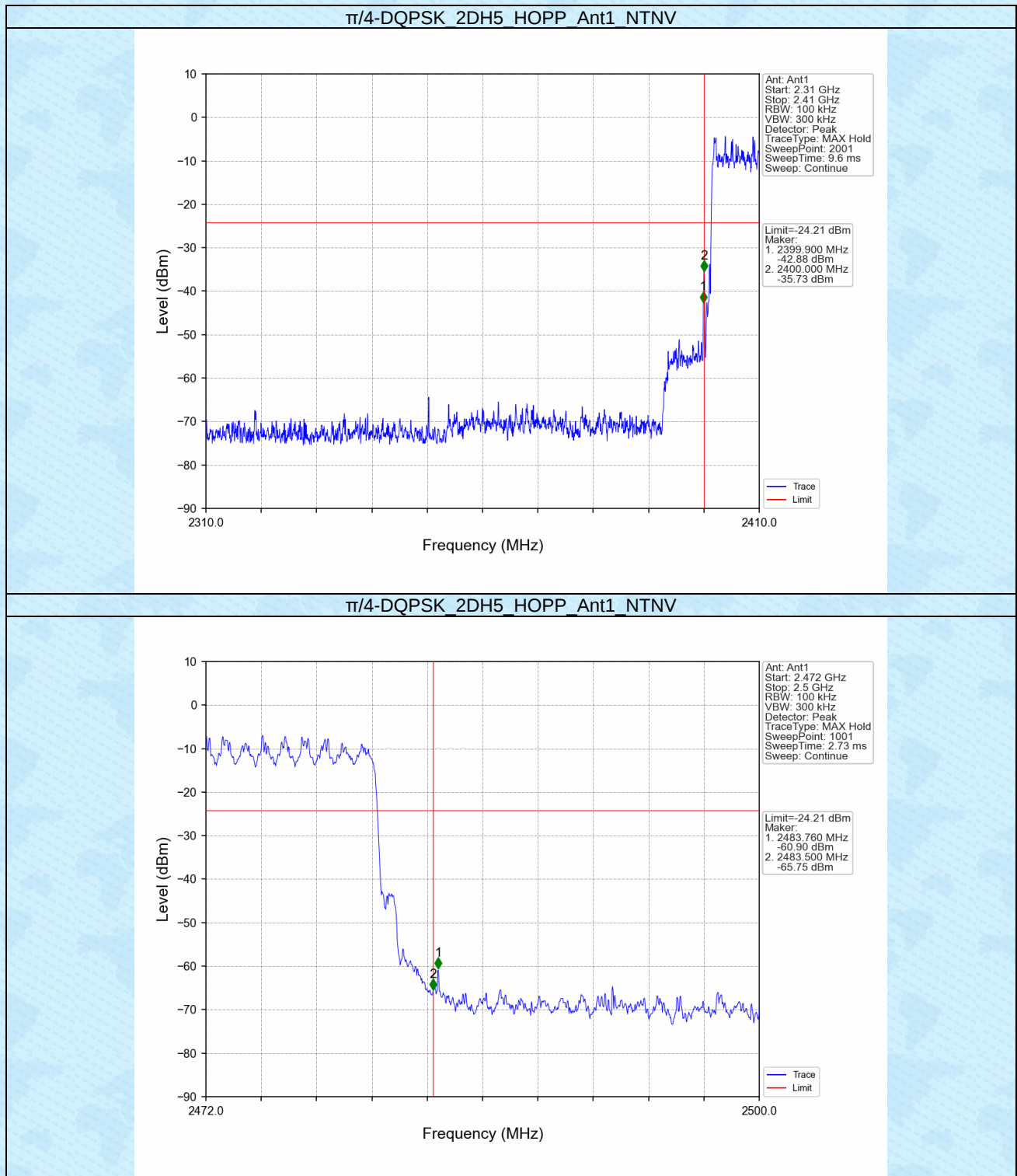
GFSK DH5 HOPP Ant1 NTN











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