

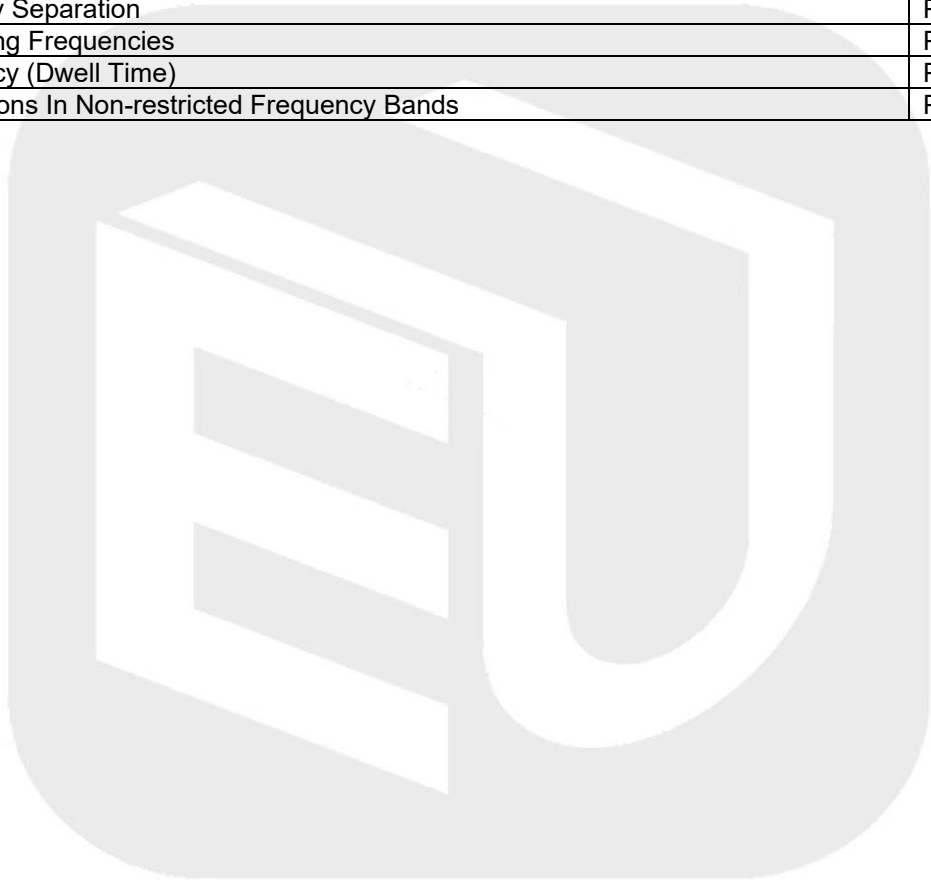
ANNEX D TEST DATA

For

Project No.:	8226EU012207W
Client:	Guangzhou Boju Information Technology Co.,Ltd
Product Name:	car refrigerator
Model No.:	CR06501
FCC ID:	2BBH5-CR06501
Technology:	Bluetooth BDR&EDR
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-04-01

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Carrier Frequency Separation	Pass
Number of Hopping Frequencies	Pass
Time of Occupancy (Dwell Time)	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass



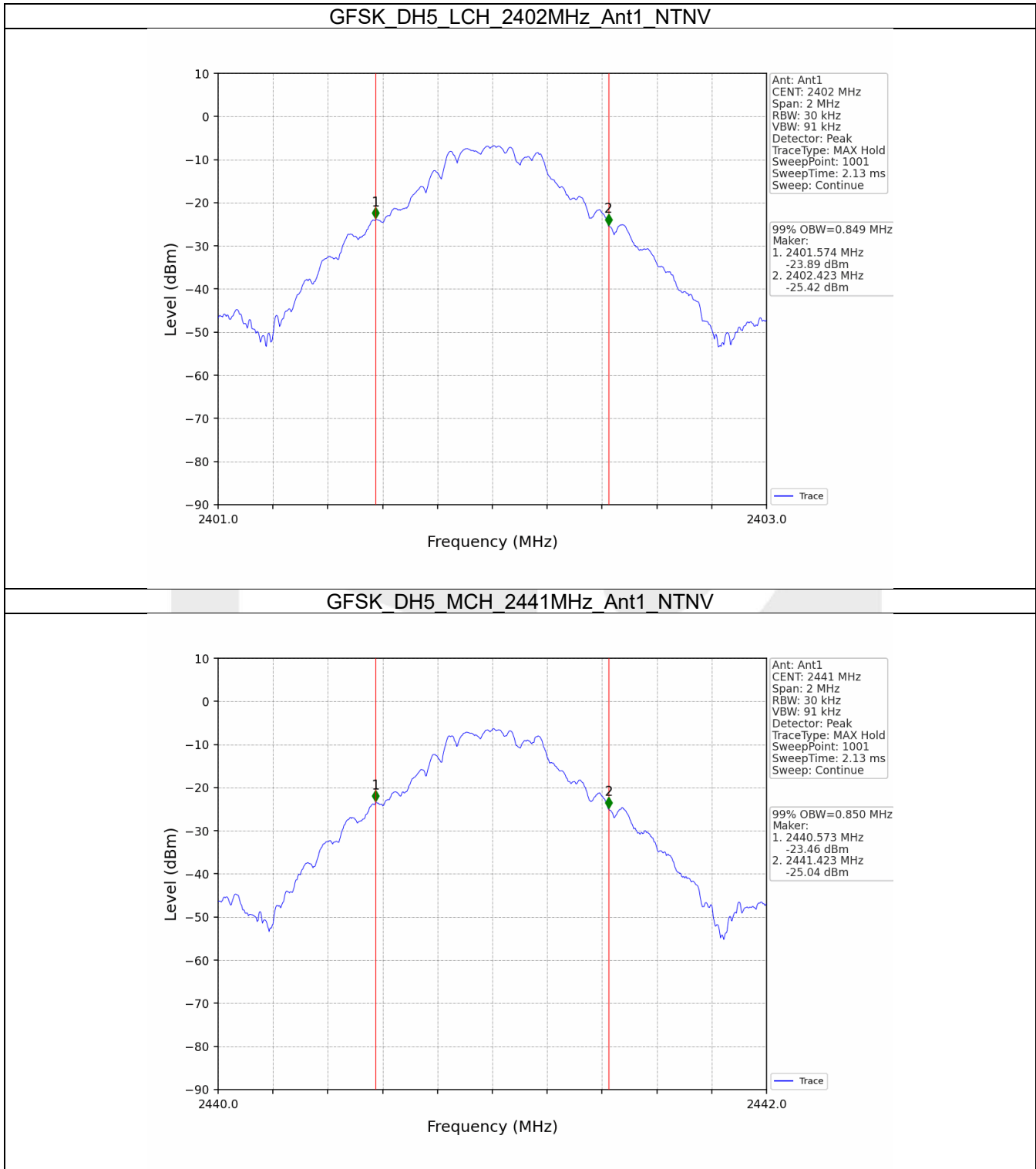
1. Bandwidth

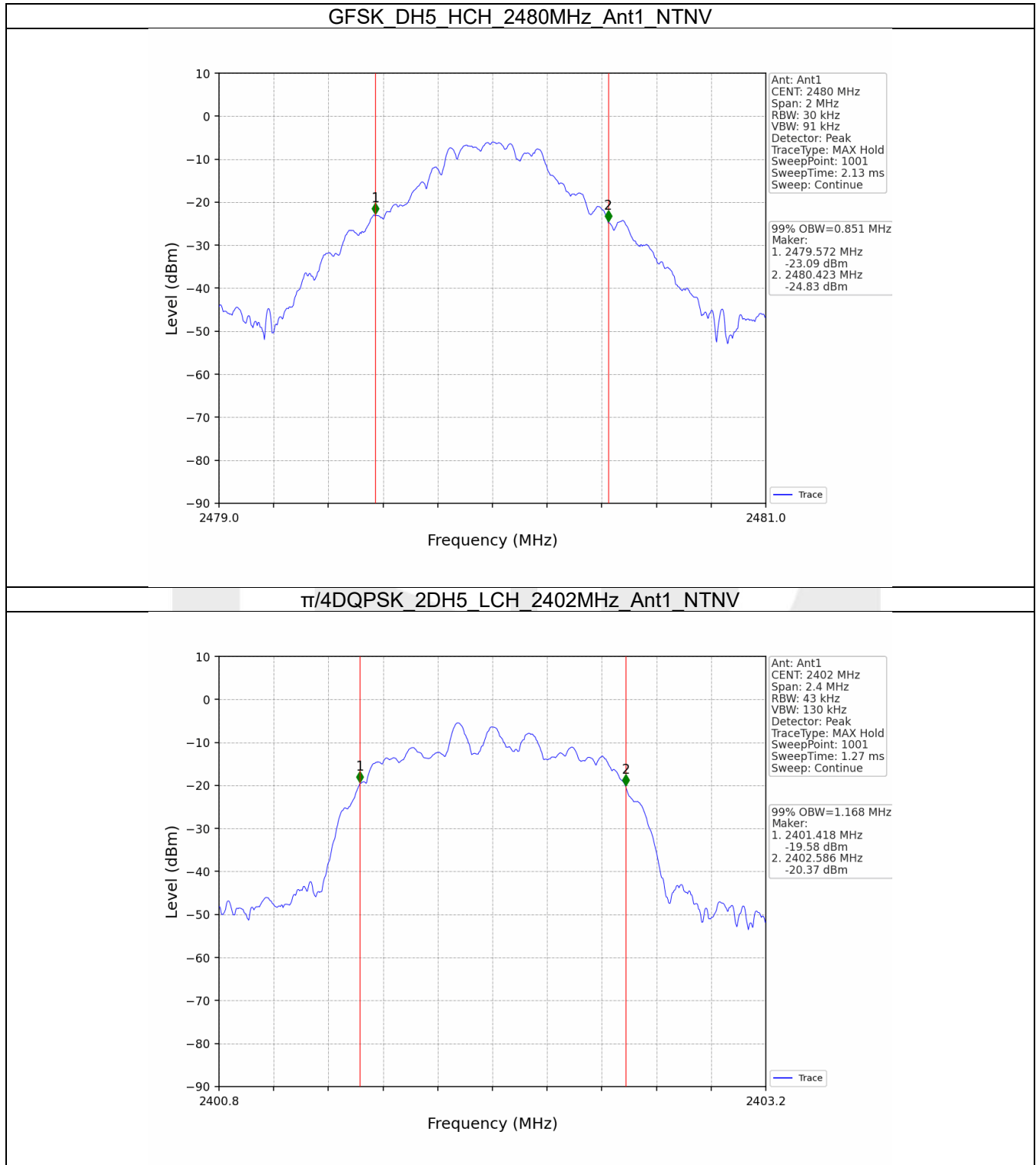
1.1 OBW

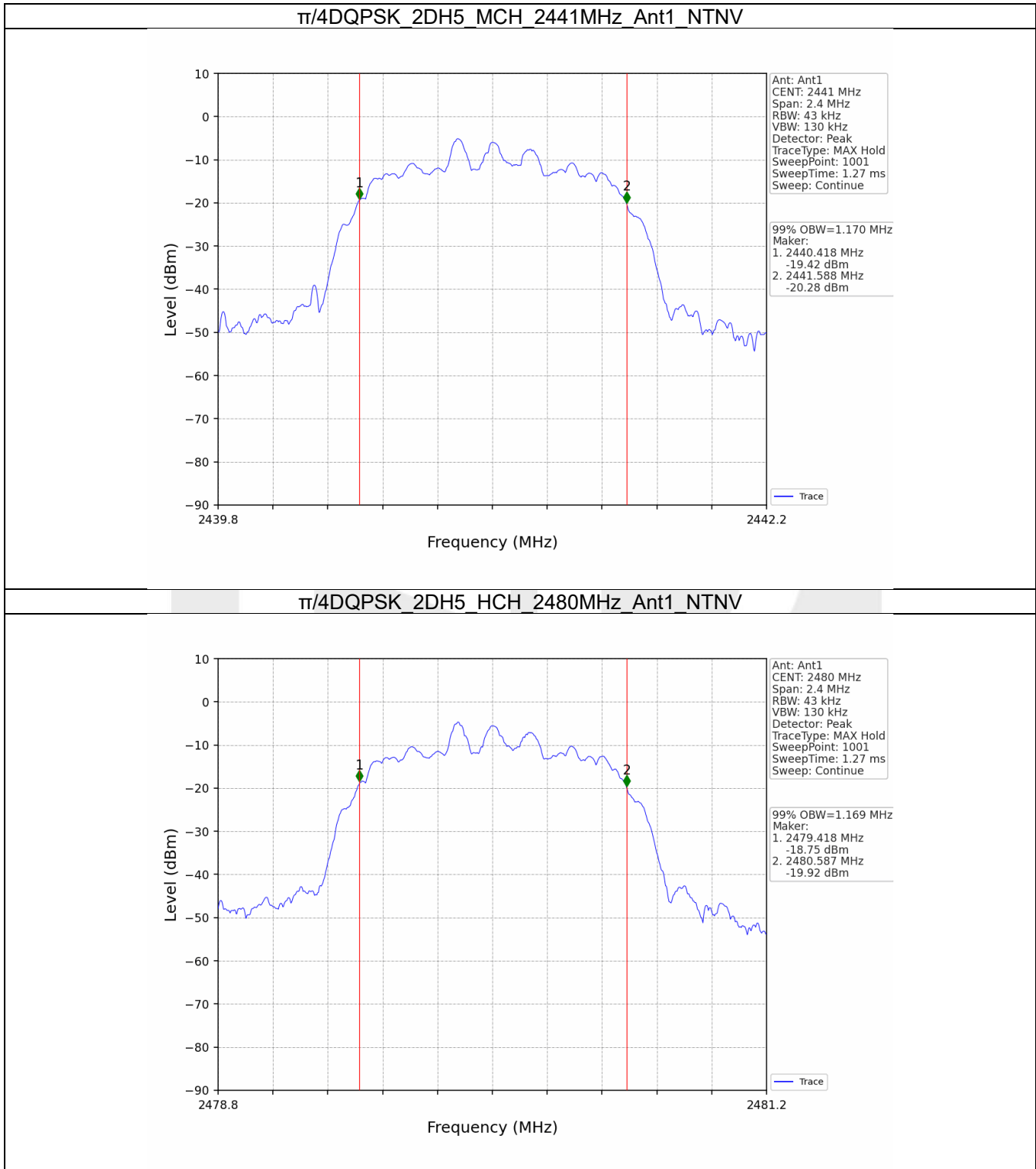
1.1.1 Test Result

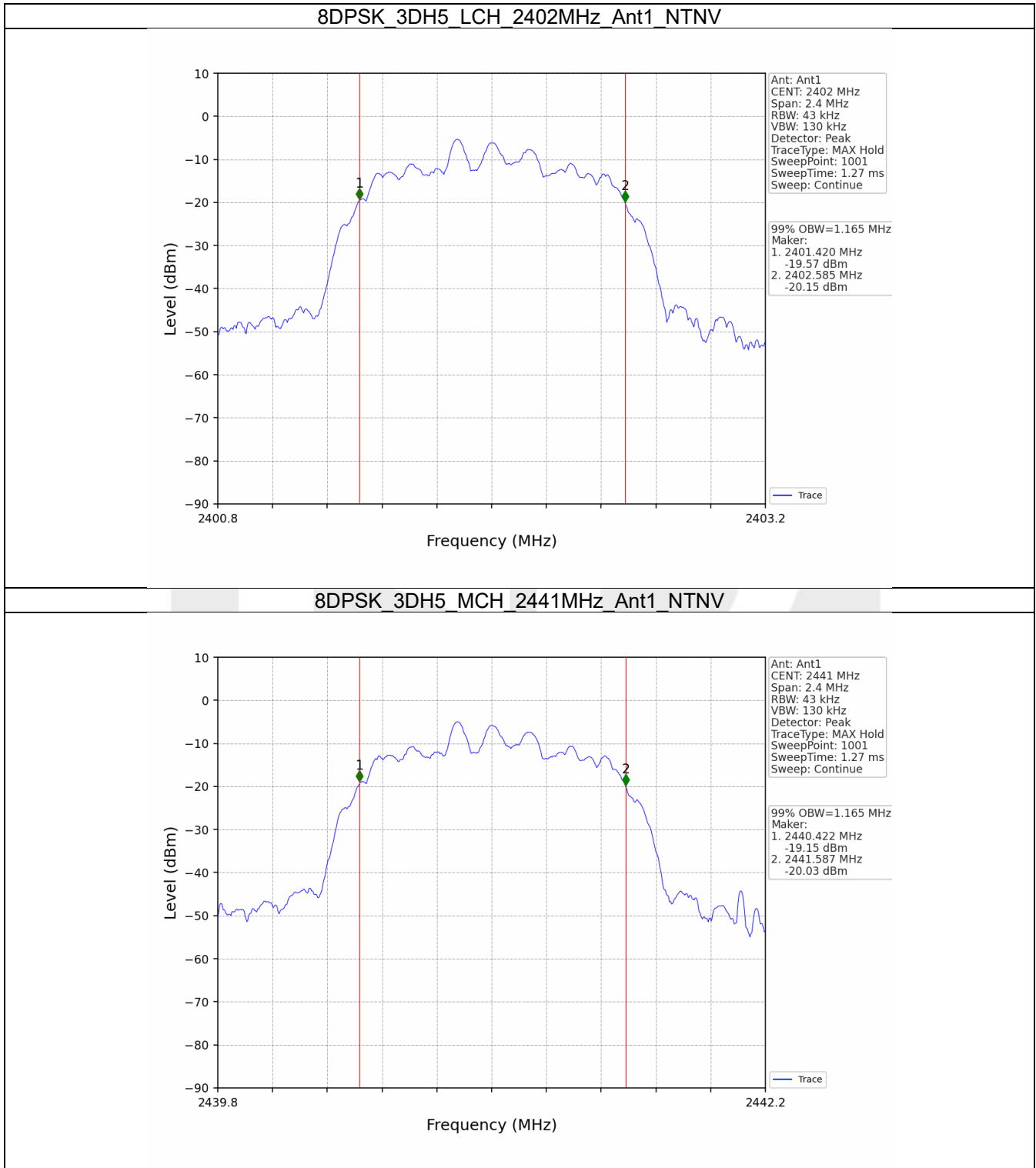
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.849	Pass
		2441	DH5	1	0.850	Pass
		2480	DH5	1	0.851	Pass
π/4DQPSK	SISO	2402	2DH5	1	1.168	Pass
		2441	2DH5	1	1.170	Pass
		2480	2DH5	1	1.169	Pass
8DPSK	SISO	2402	3DH5	1	1.165	Pass
		2441	3DH5	1	1.165	Pass
		2480	3DH5	1	1.166	Pass

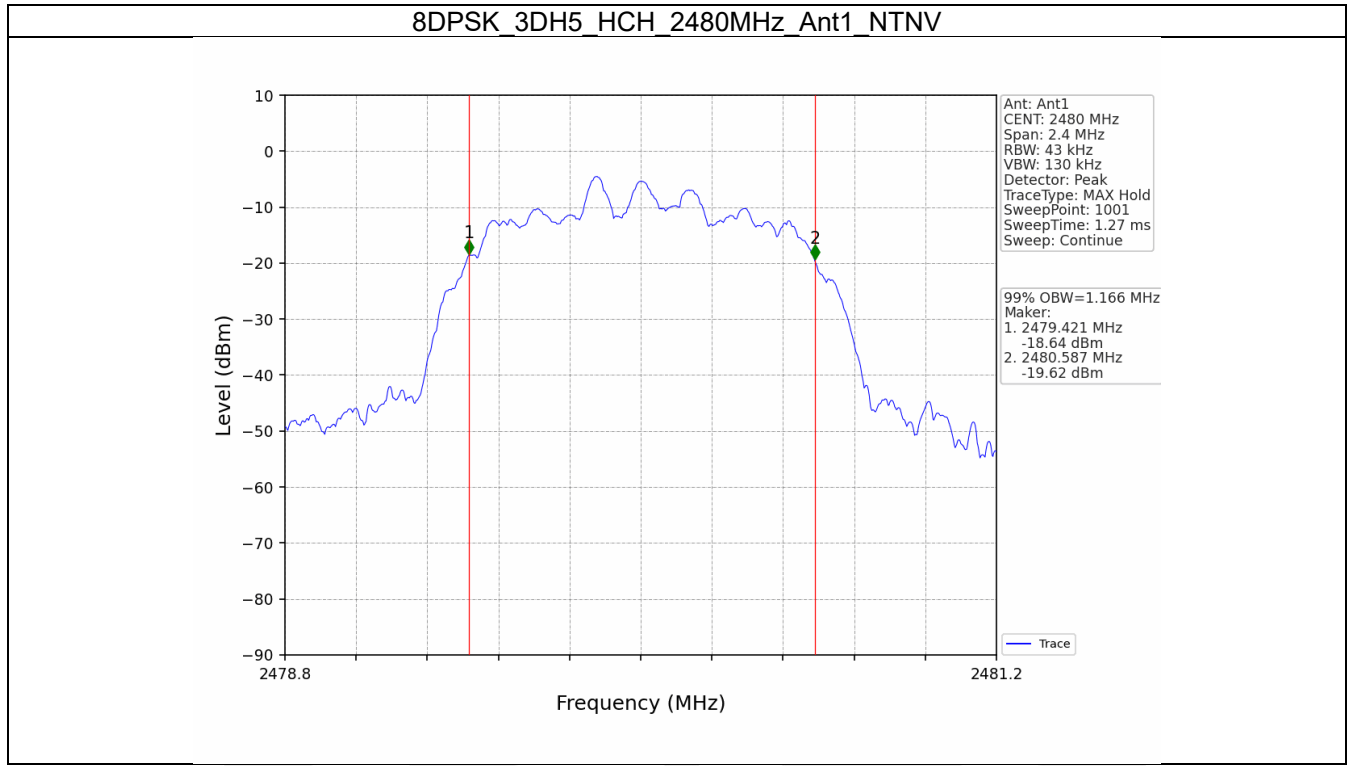
1.1.2 Test Graph









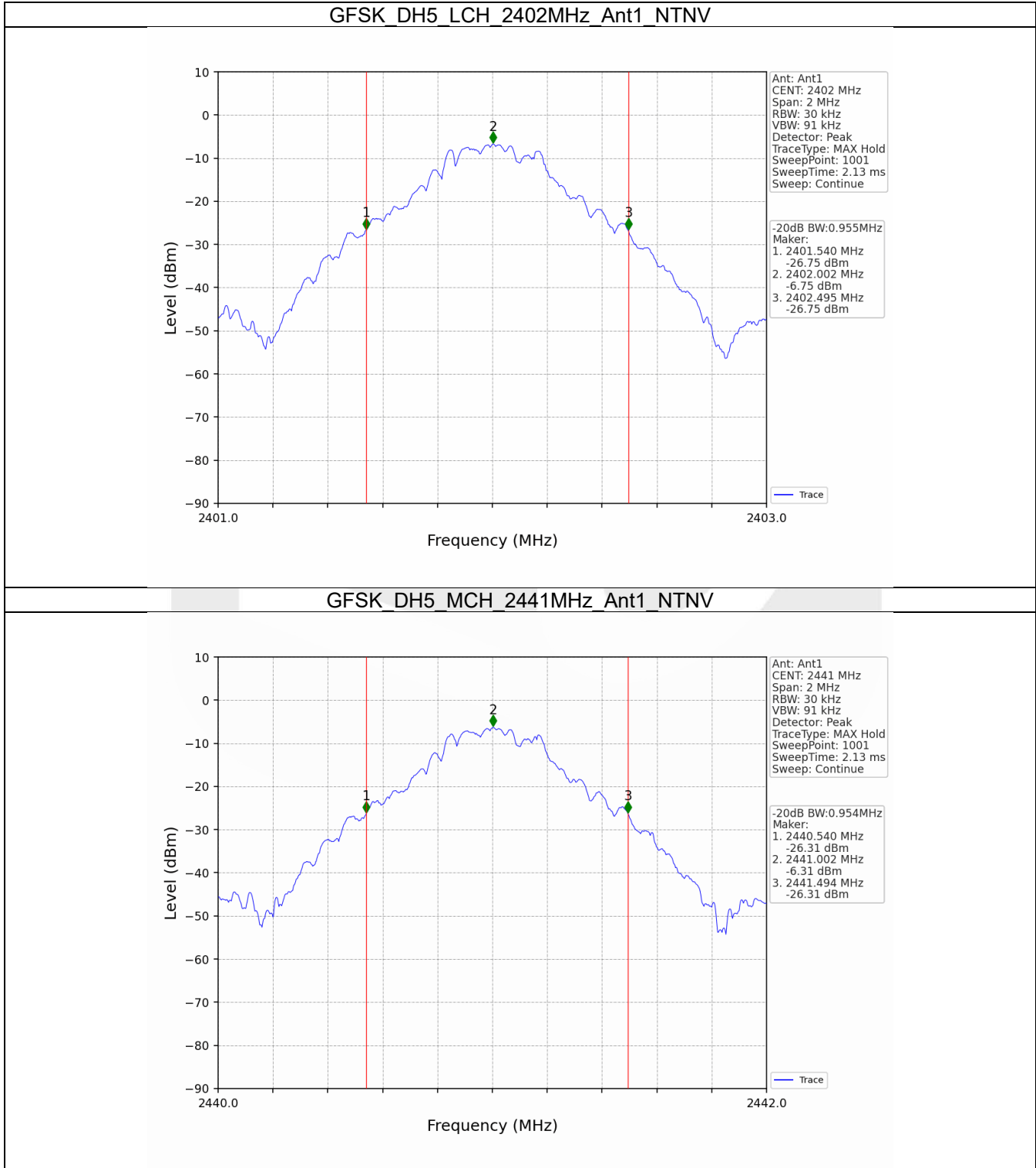


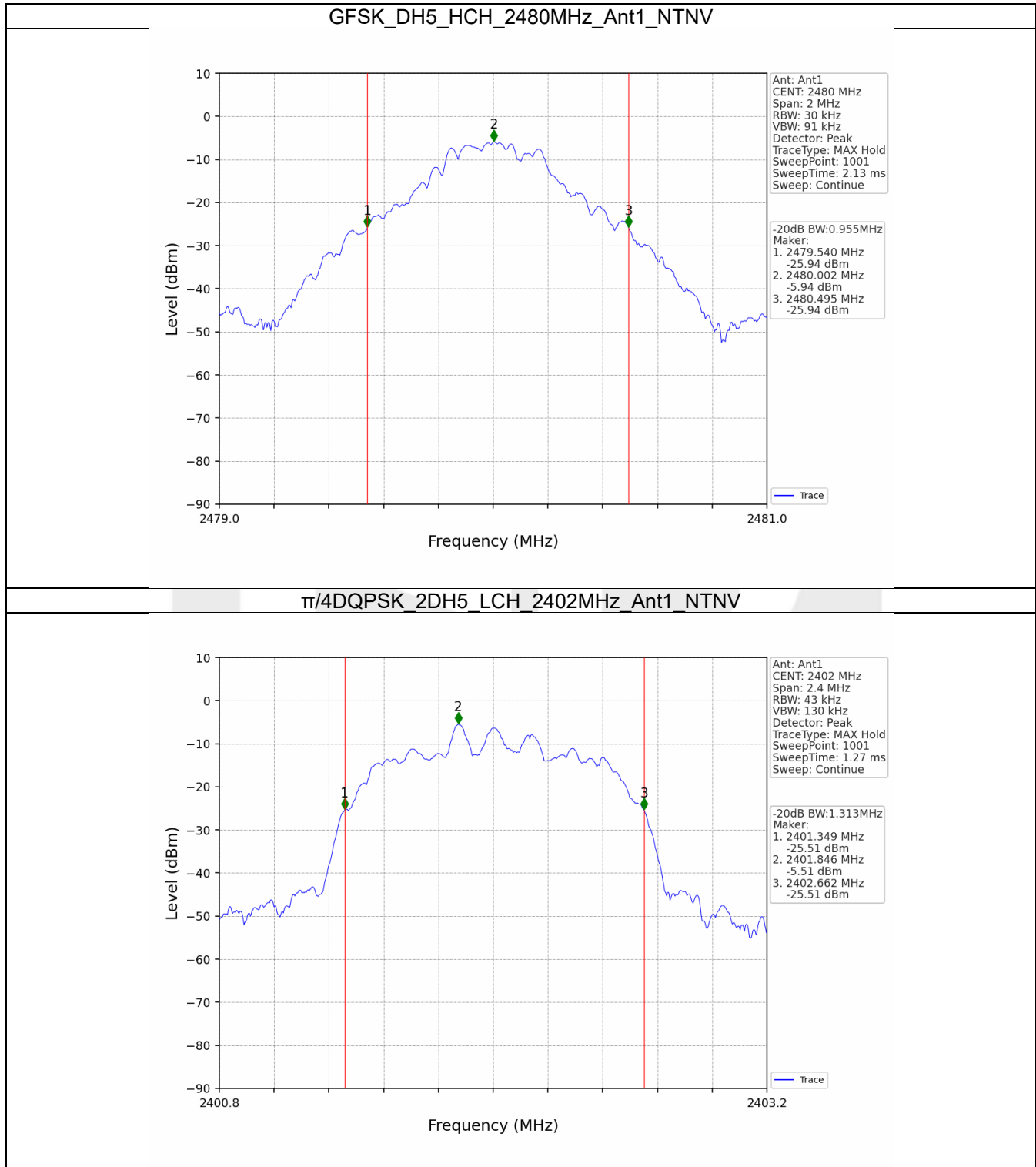
1.2 20dB BW

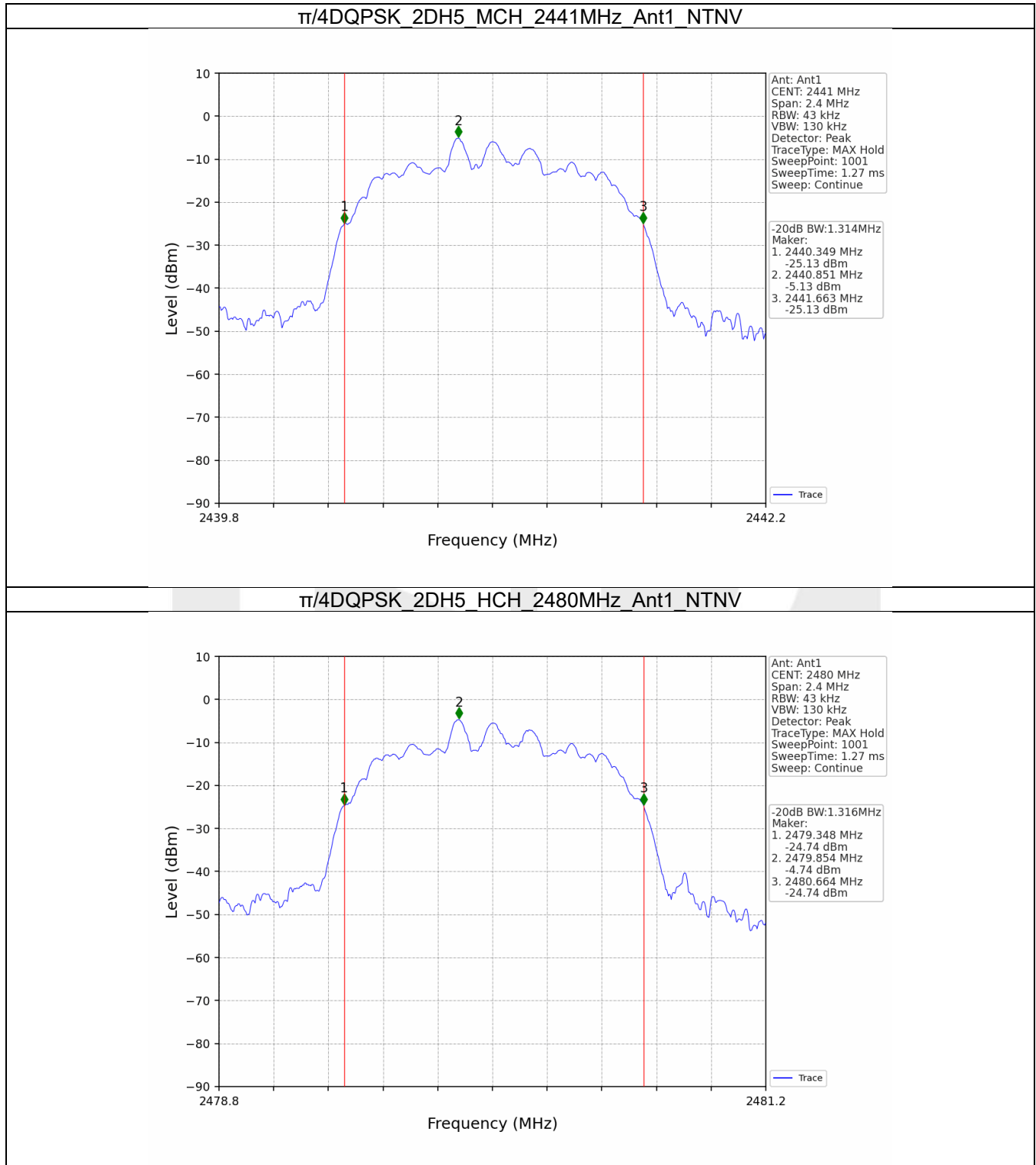
1.2.1 Test Result

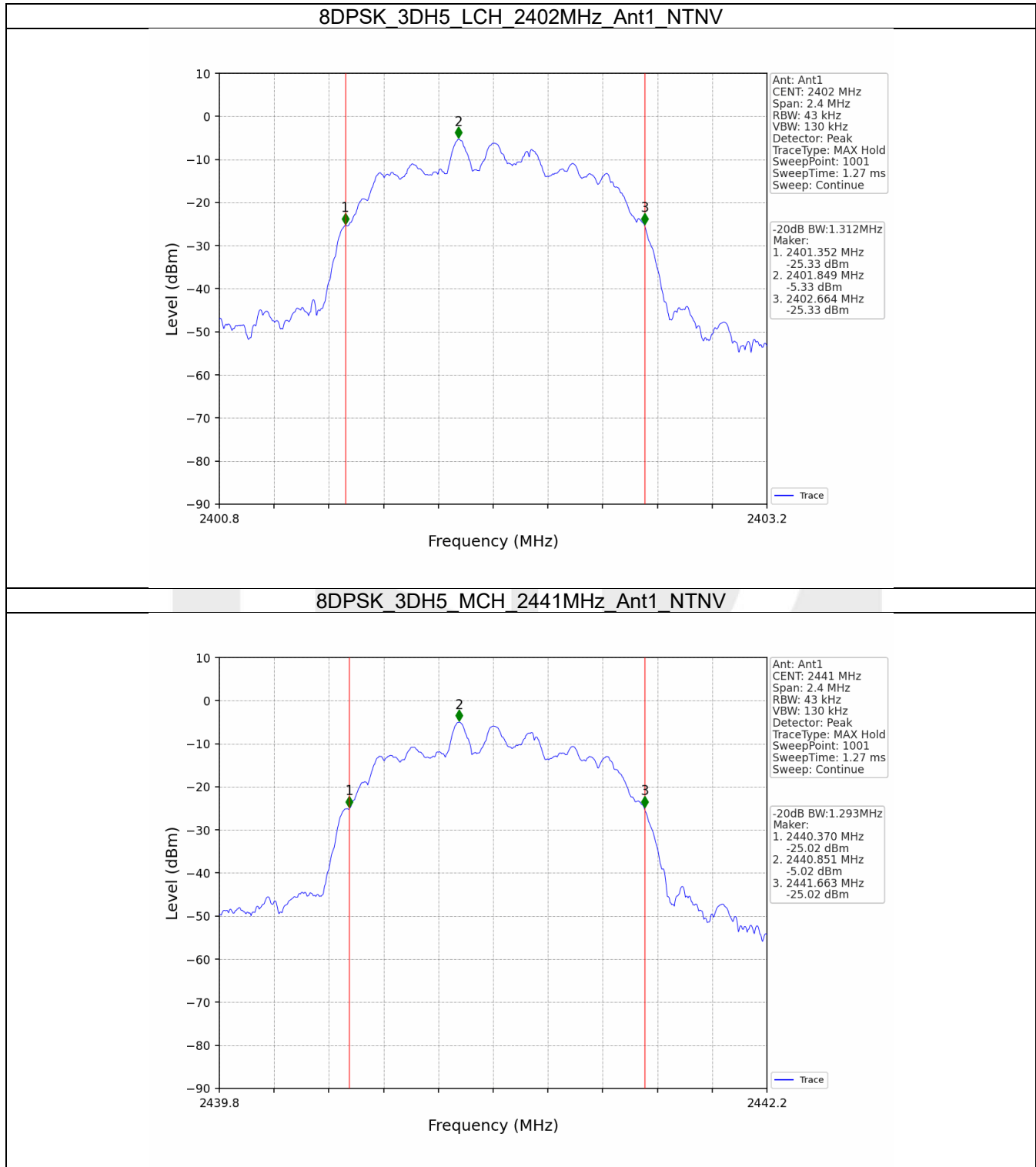
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.955	Pass
		2441	DH5	1	0.954	Pass
		2480	DH5	1	0.955	Pass
$\pi/4$ DQPSK	SISO	2402	2DH5	1	1.313	Pass
		2441	2DH5	1	1.314	Pass
		2480	2DH5	1	1.316	Pass
8DPSK	SISO	2402	3DH5	1	1.312	Pass
		2441	3DH5	1	1.293	Pass
		2480	3DH5	1	1.317	Pass

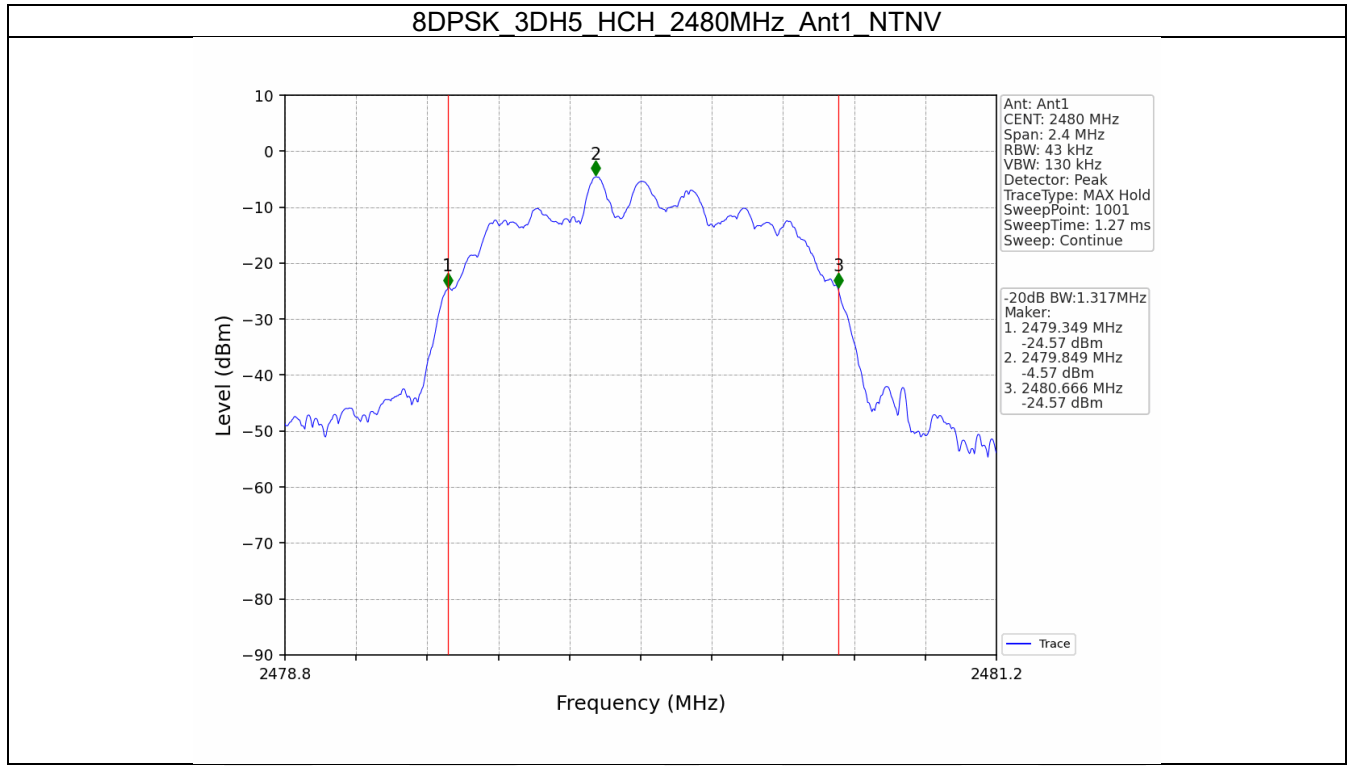
1.2.2 Test Graph











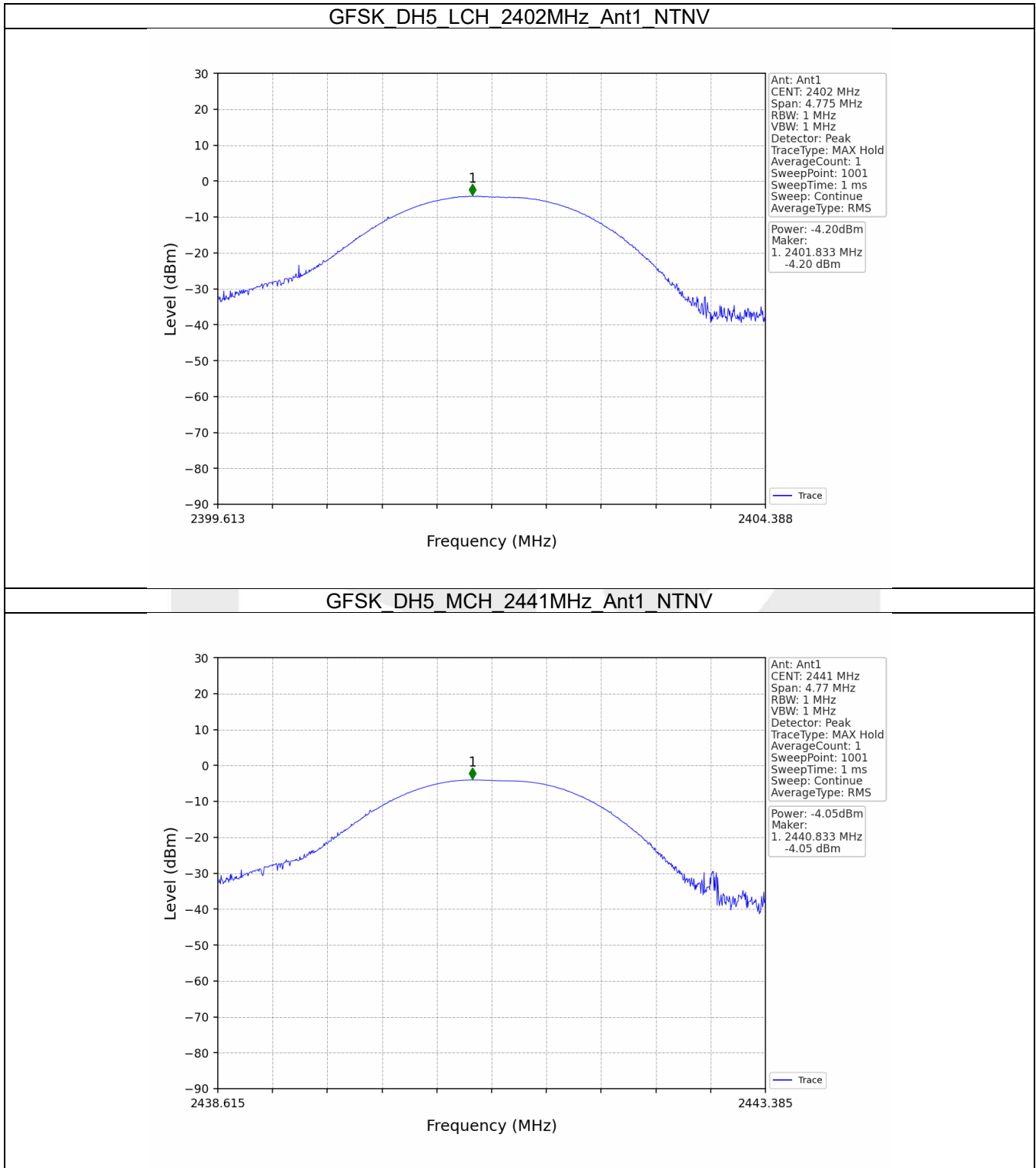
2. Maximum Conducted Output Power

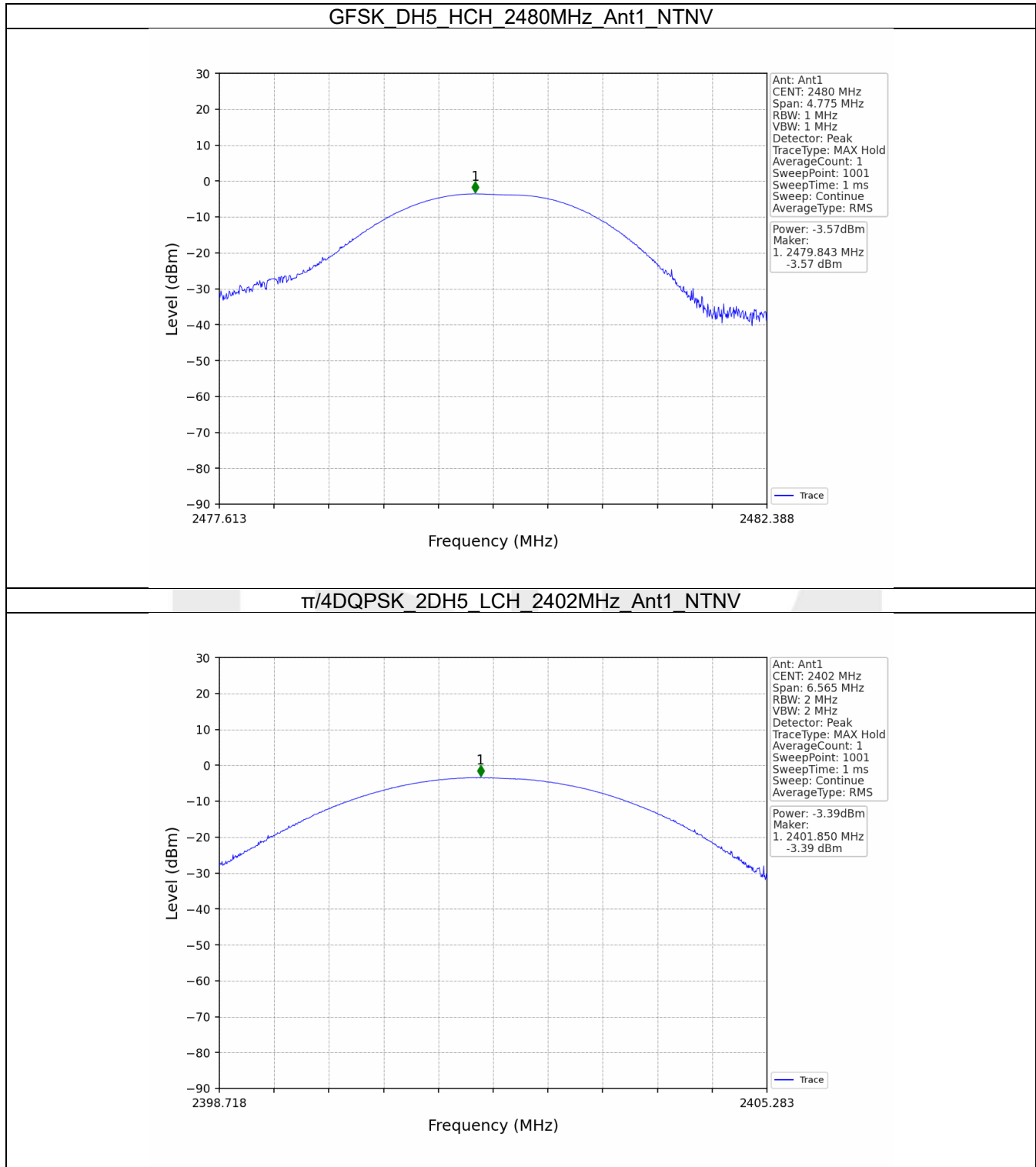
2.1 Power

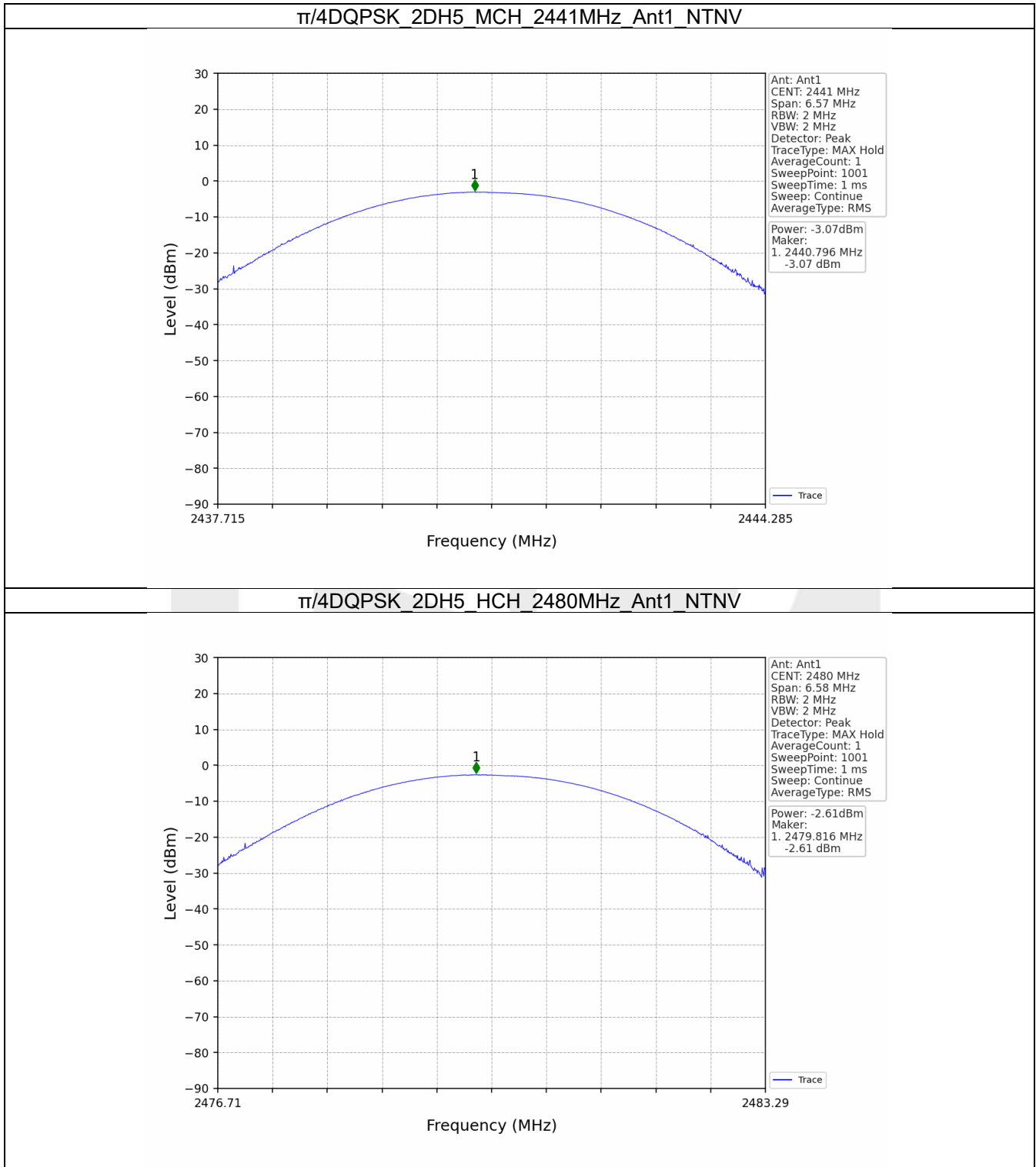
2.1.1 Test Result

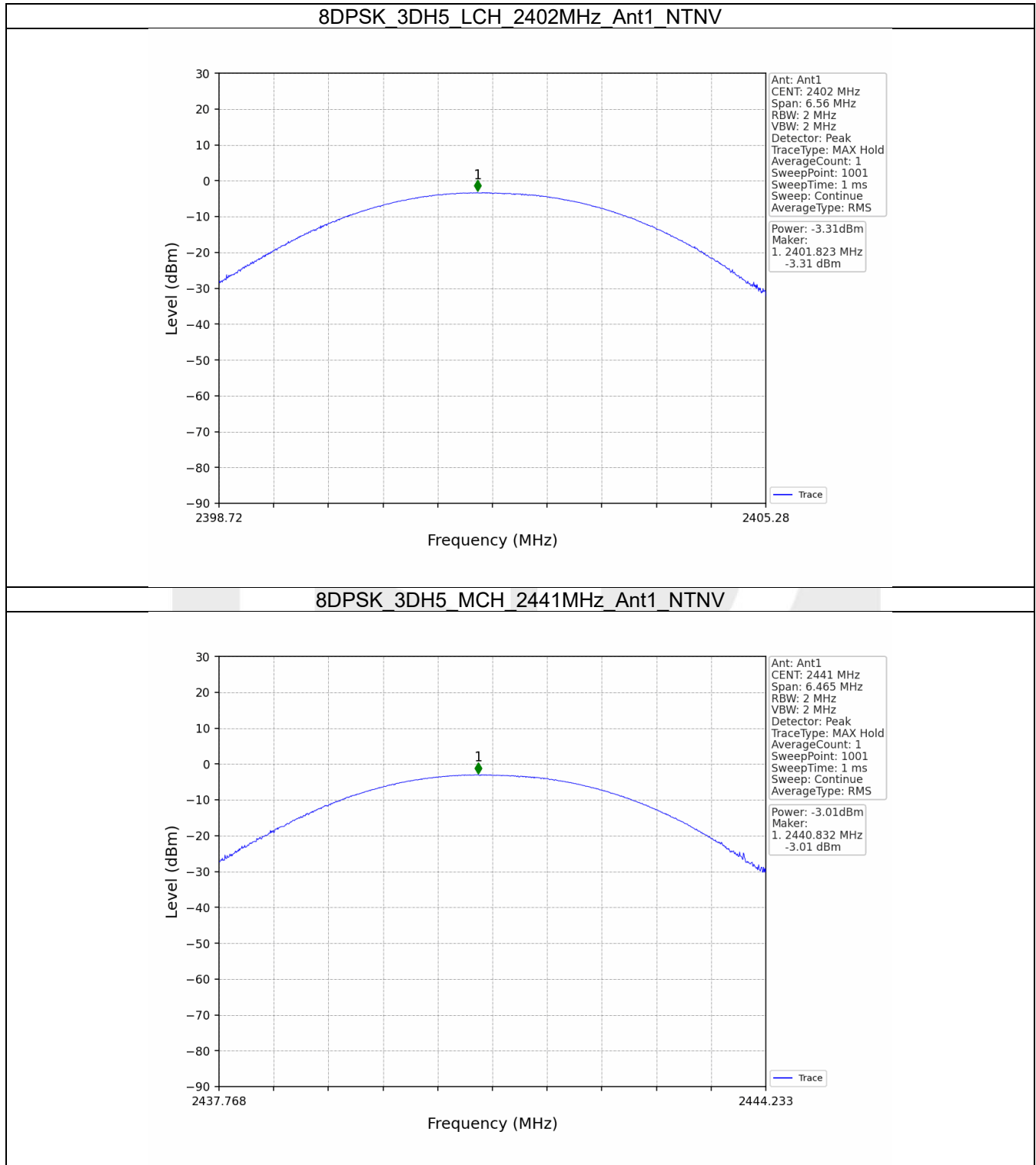
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-4.20	<=30	Pass
		2441	DH5	-4.05	<=30	Pass
		2480	DH5	-3.57	<=30	Pass
$\pi/4$ DQPSK	SISO	2402	2DH5	-3.39	<=20.97	Pass
		2441	2DH5	-3.07	<=20.97	Pass
		2480	2DH5	-2.61	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-3.31	<=20.97	Pass
		2441	3DH5	-3.01	<=20.97	Pass
		2480	3DH5	-2.51	<=20.97	Pass

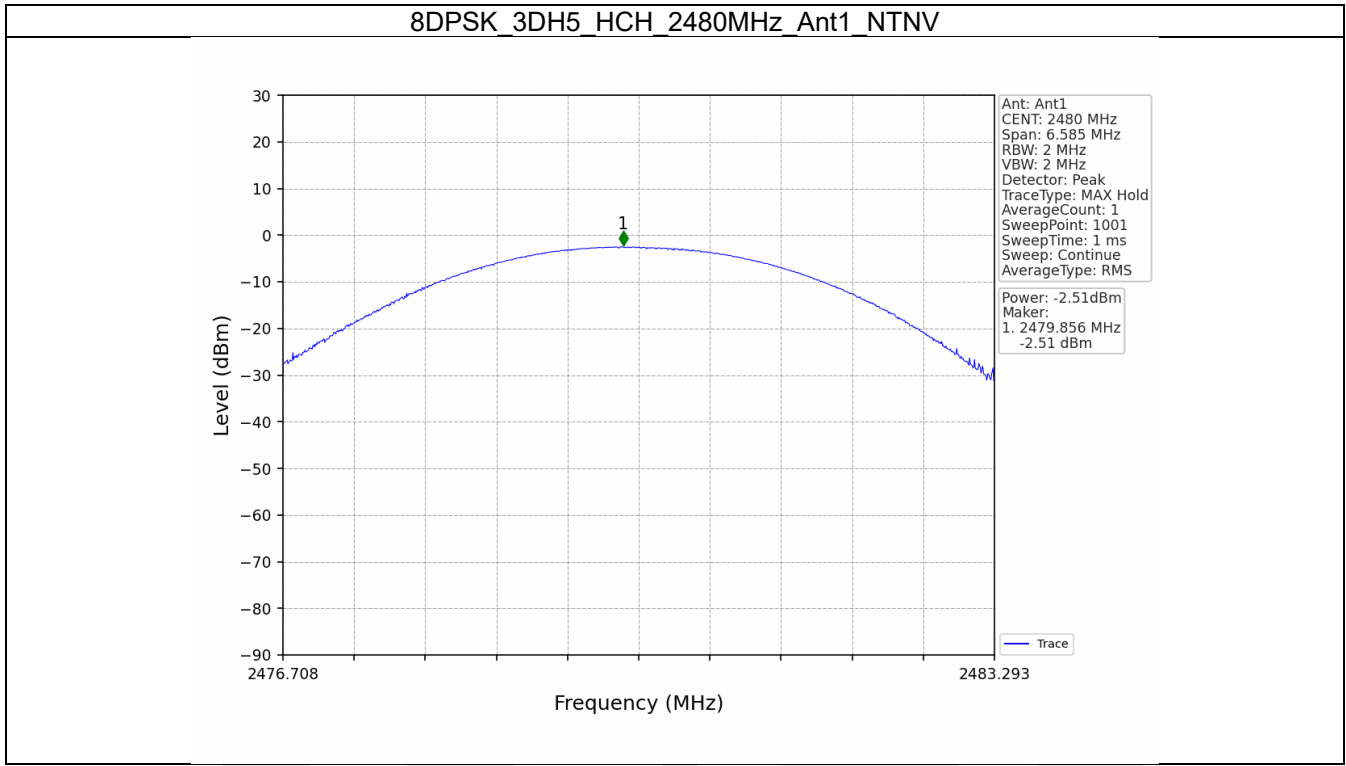
2.1.2 Test Graph











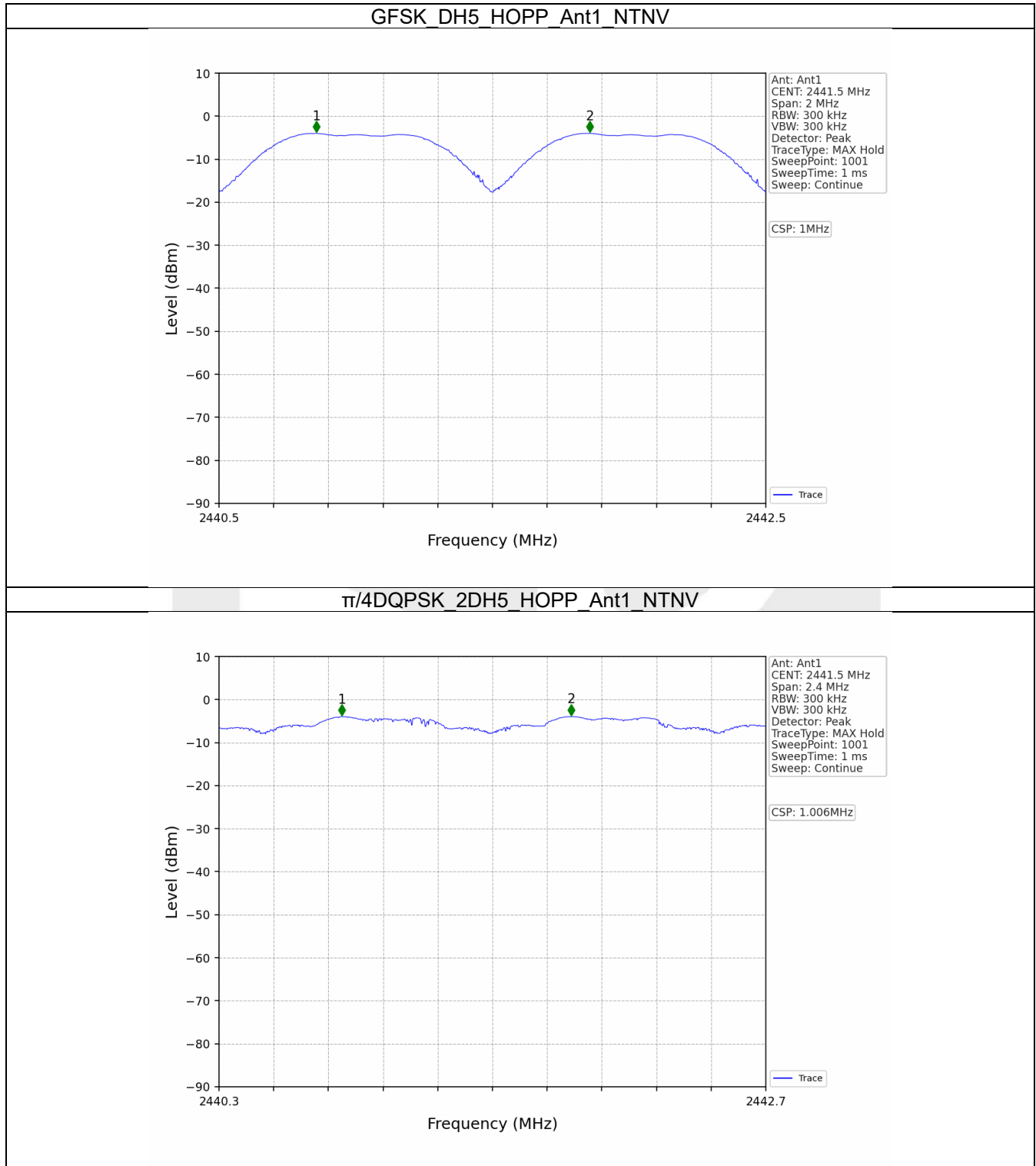
3. Carrier Frequency Separation

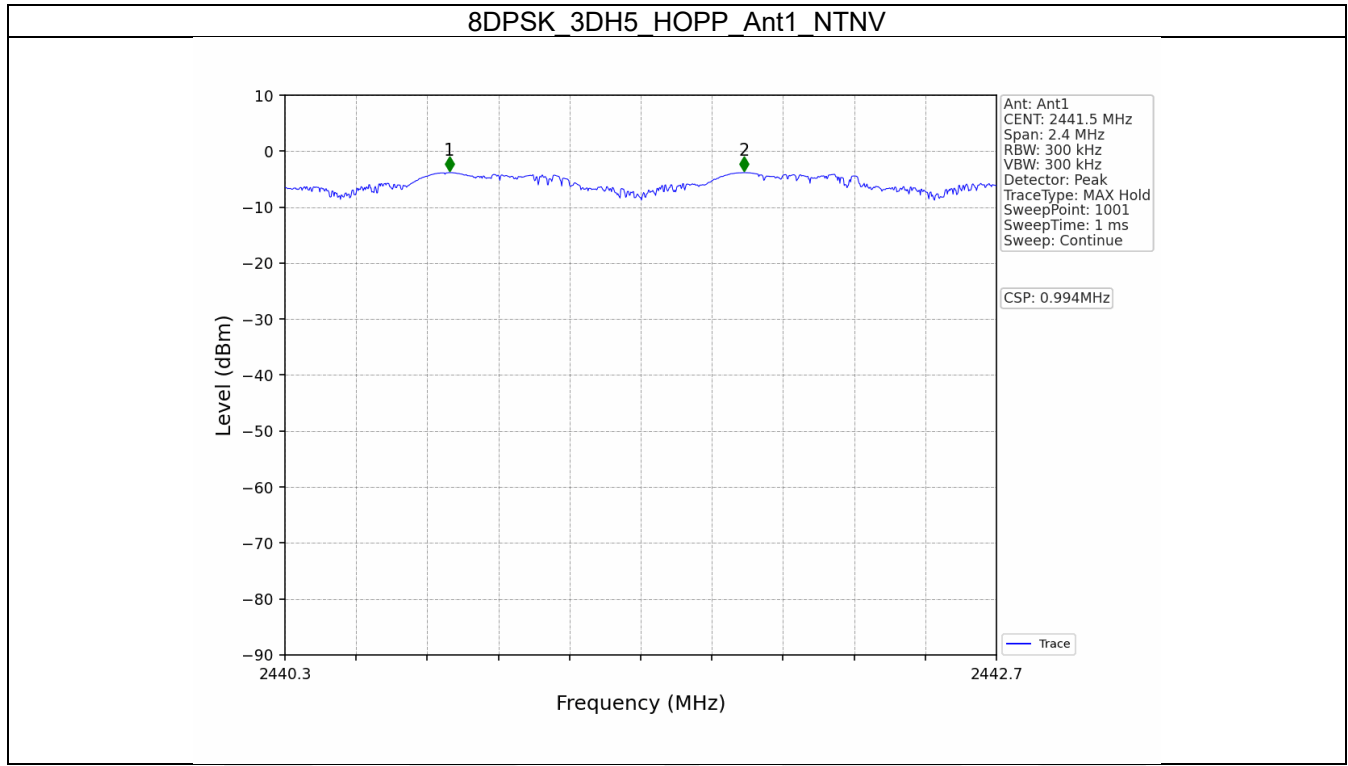
3.1 Ant1

3.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.955	≥ 0.955	Pass
$\pi/4$ DQPSK	SISO	HOPP	2DH5	1.006	1.316	≥ 0.877	Pass
8DPSK	SISO	HOPP	3DH5	0.994	1.317	≥ 0.878	Pass

3.1.2 Test Graph





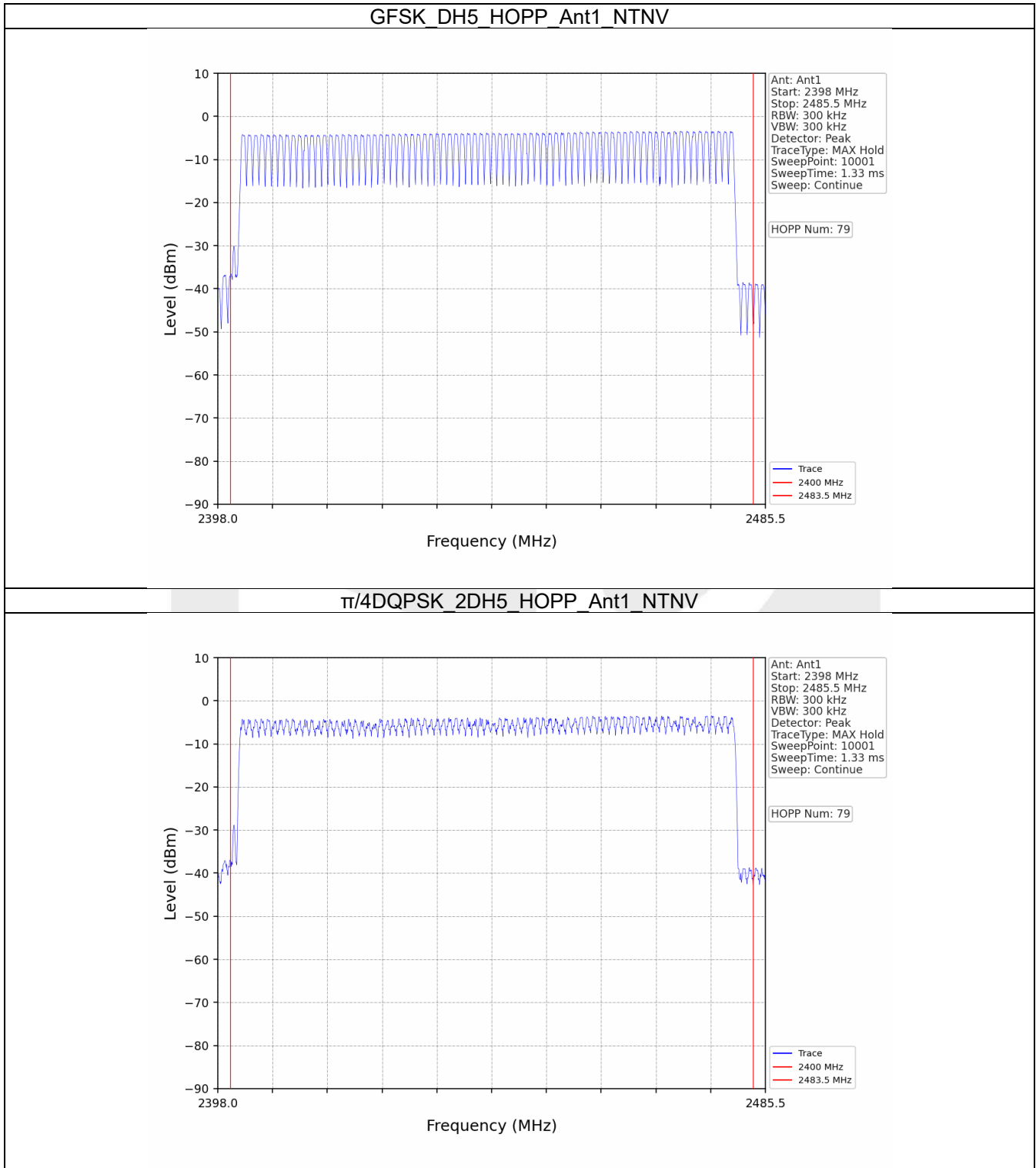
4. Number of Hopping Frequencies

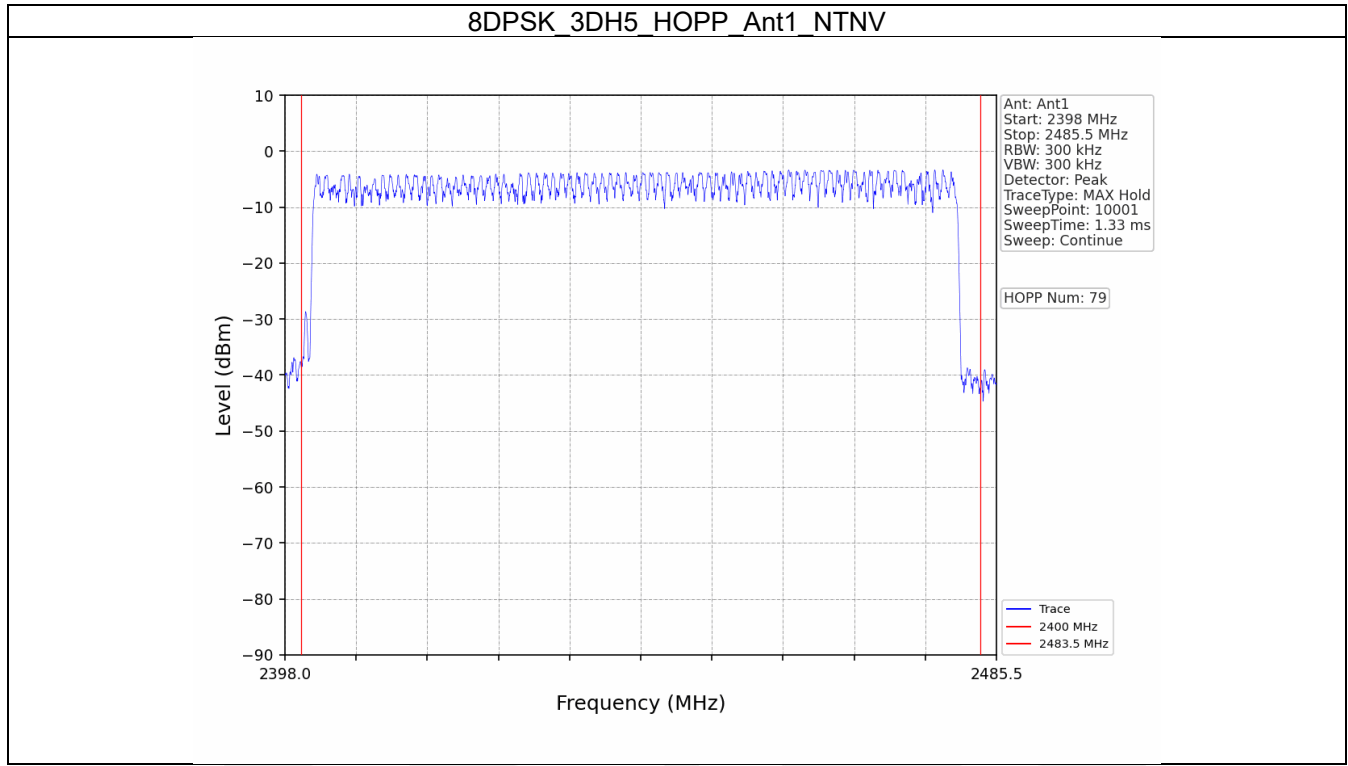
4.1 HoppNum

4.1.1 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
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

4.1.2 Test Graph





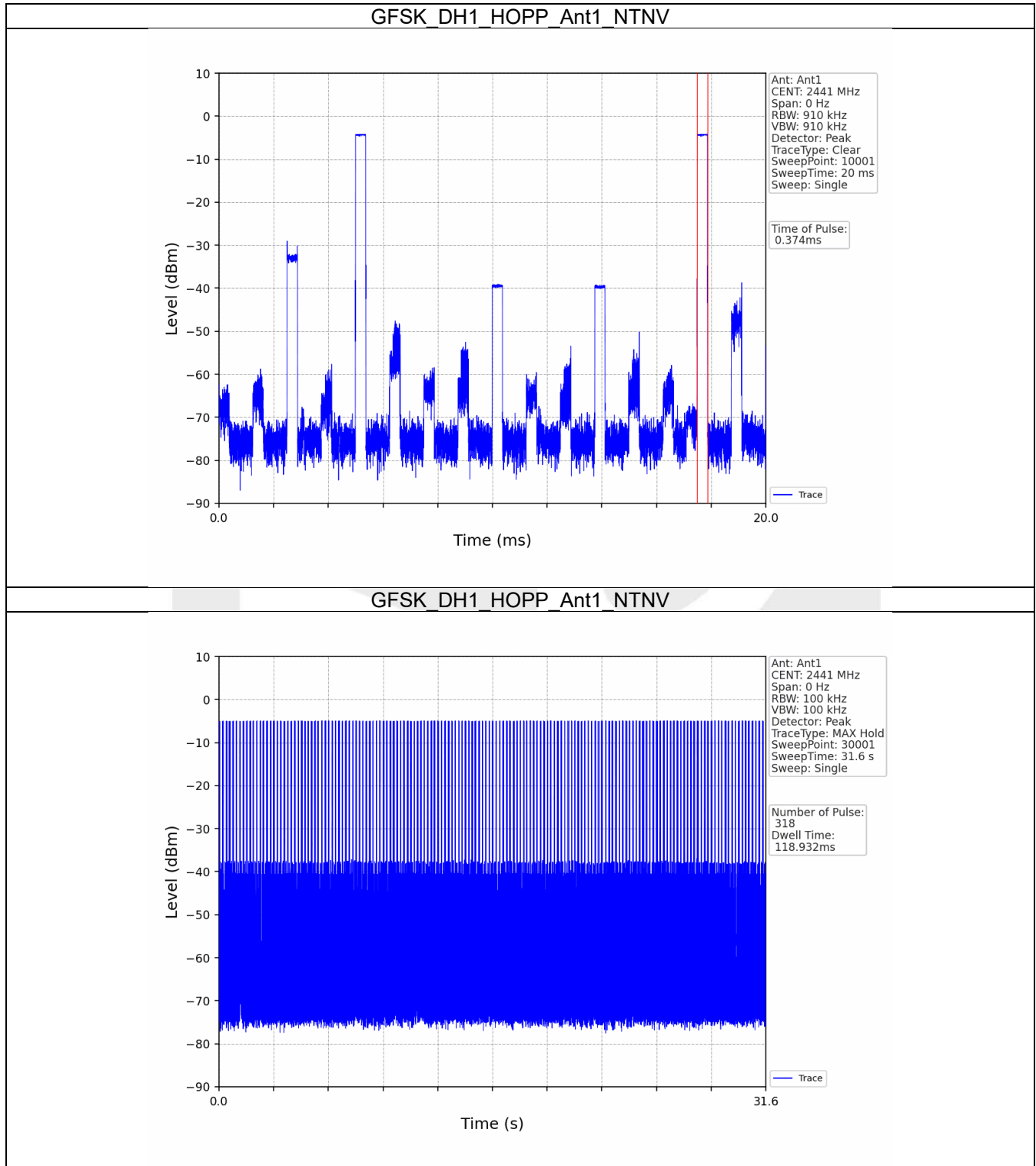
5. Time of Occupancy (Dwell Time)

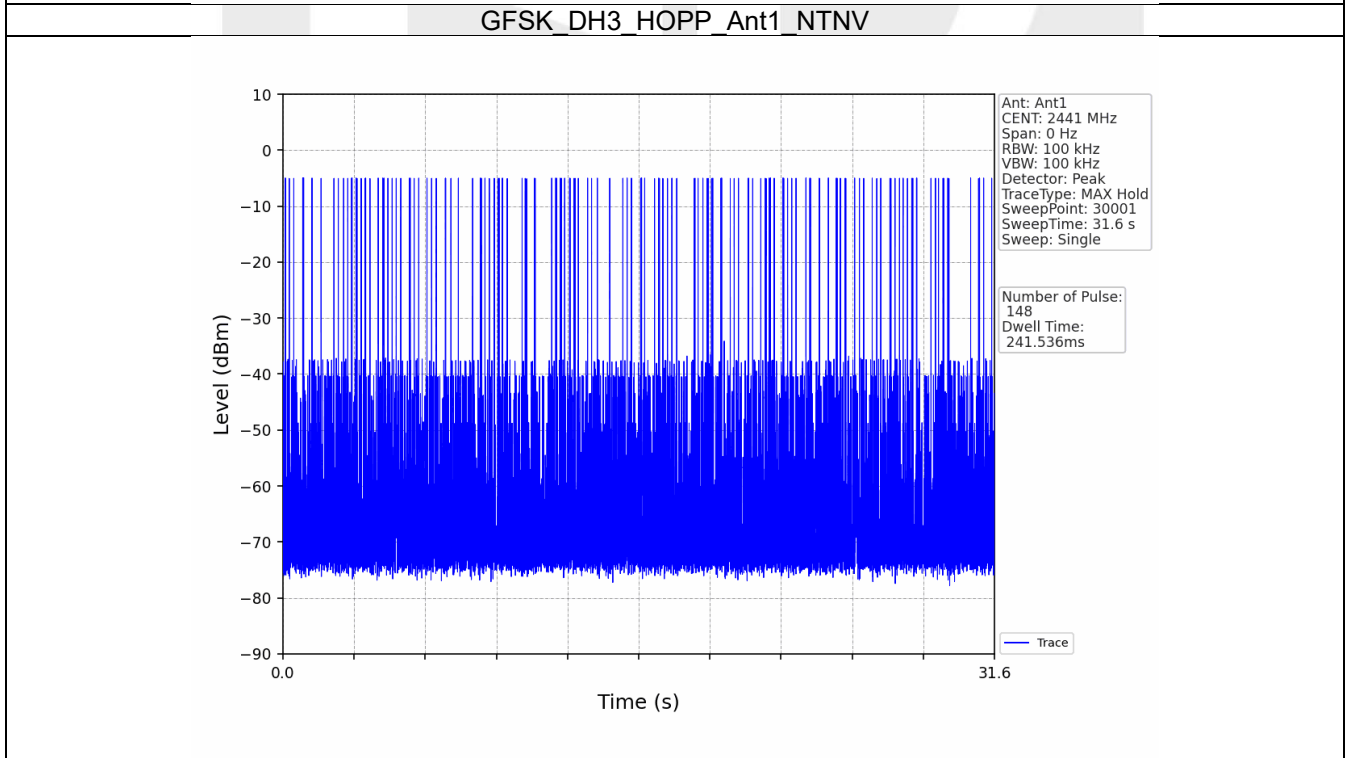
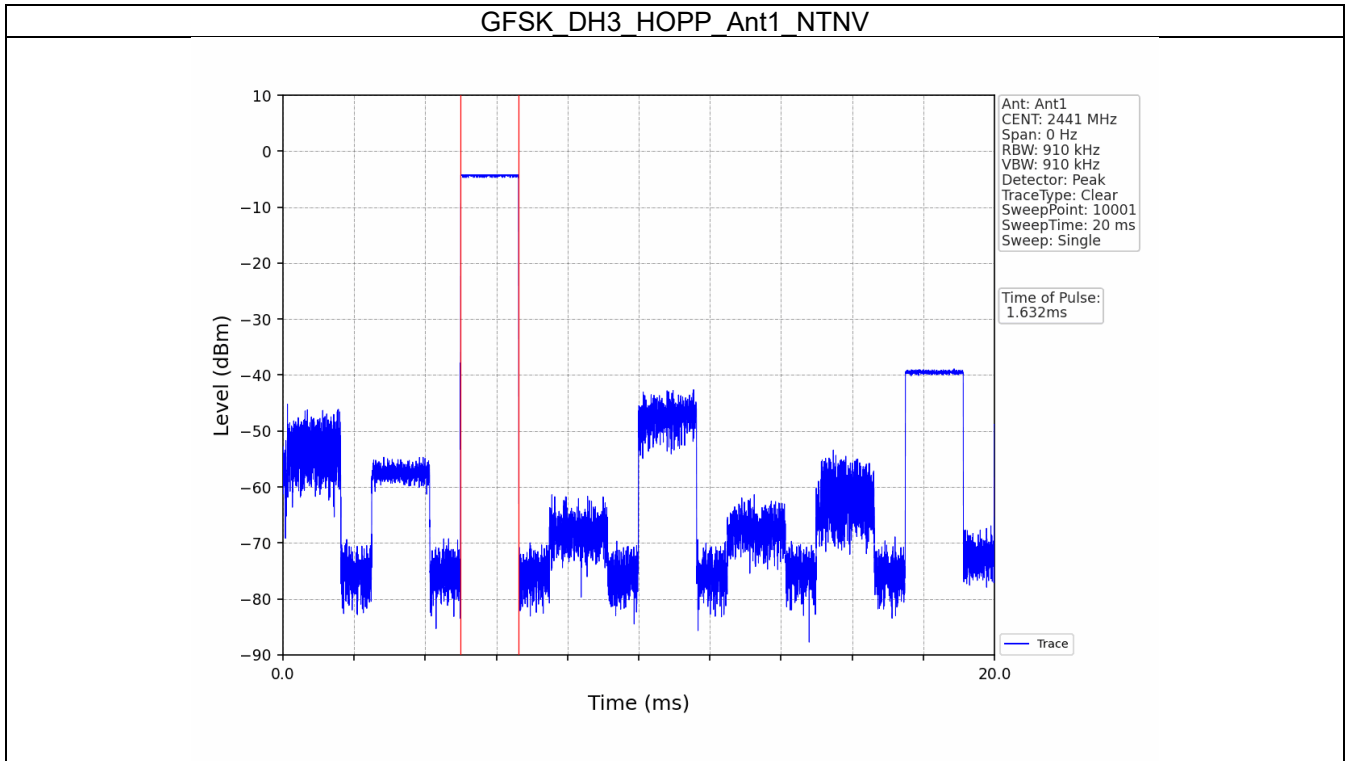
5.1 Ant1

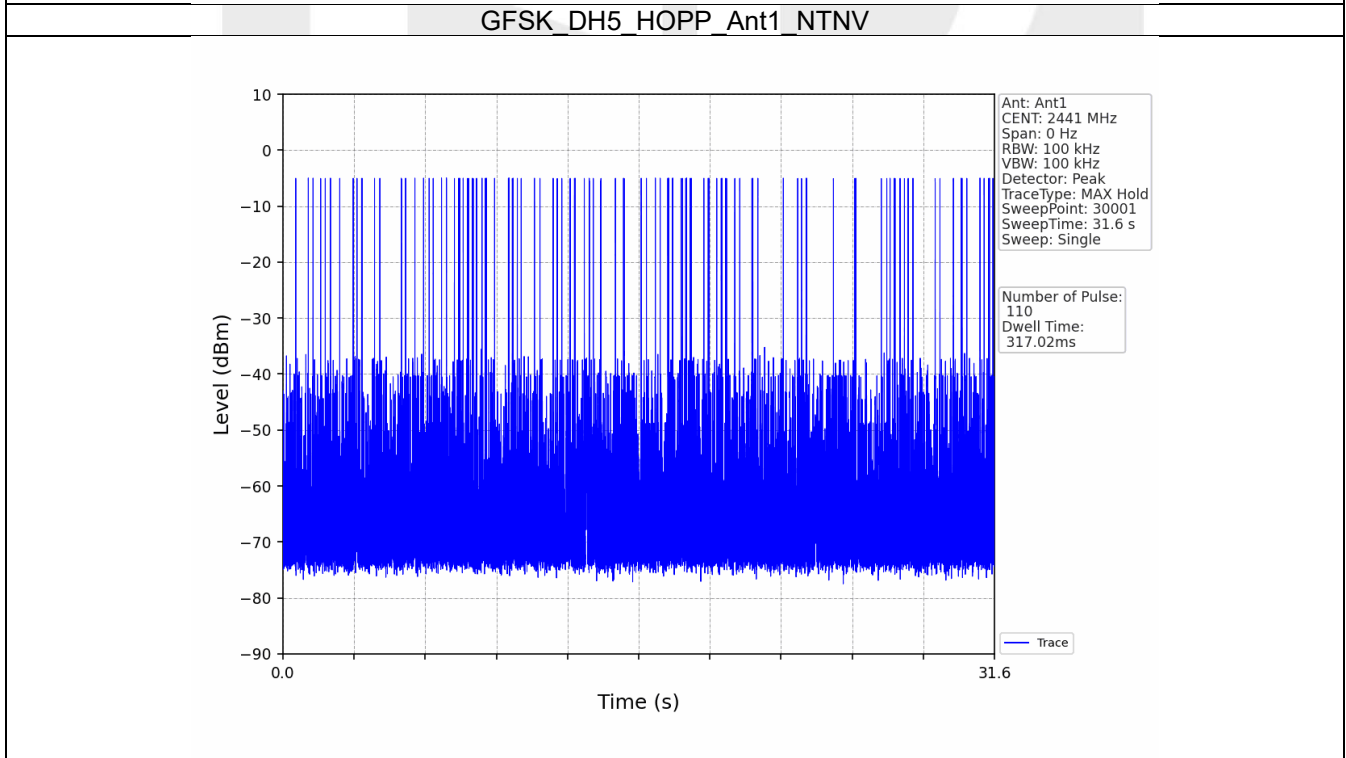
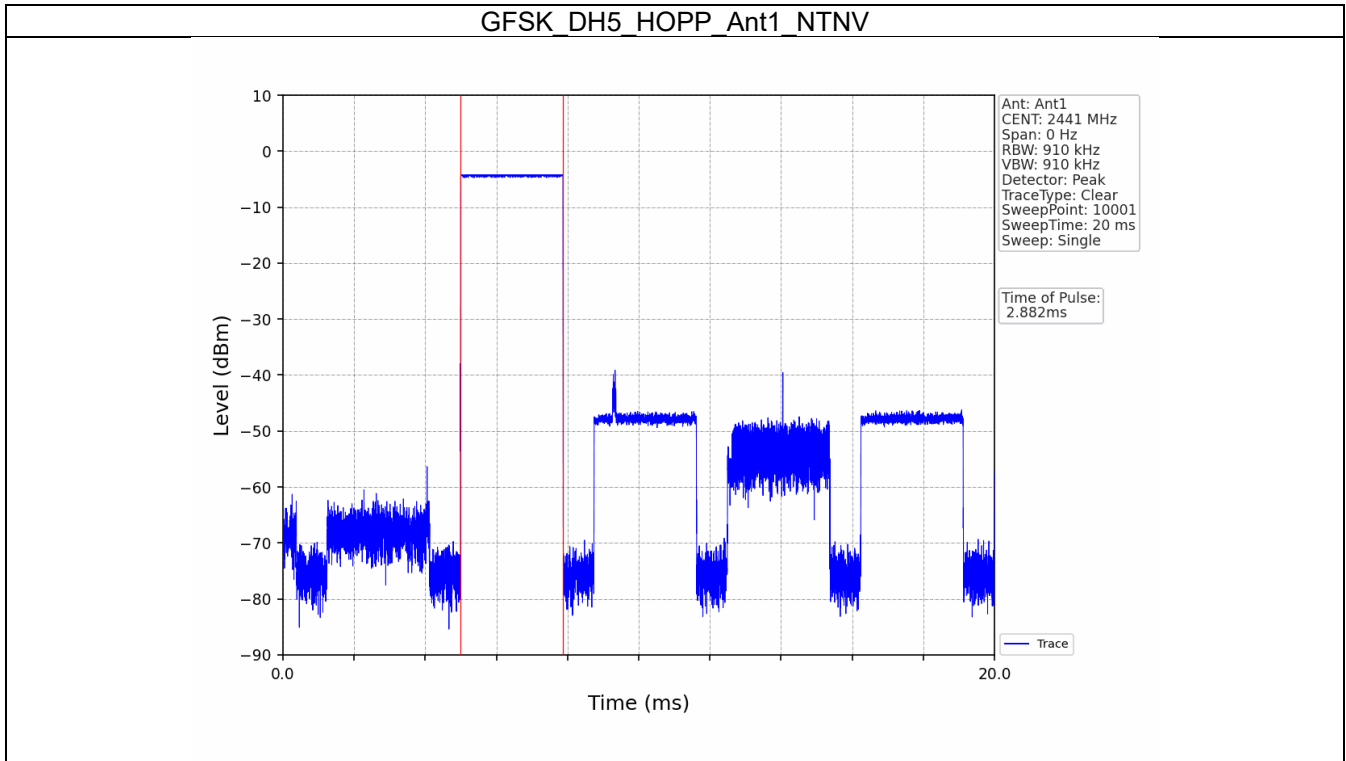
5.1.1 Test Result

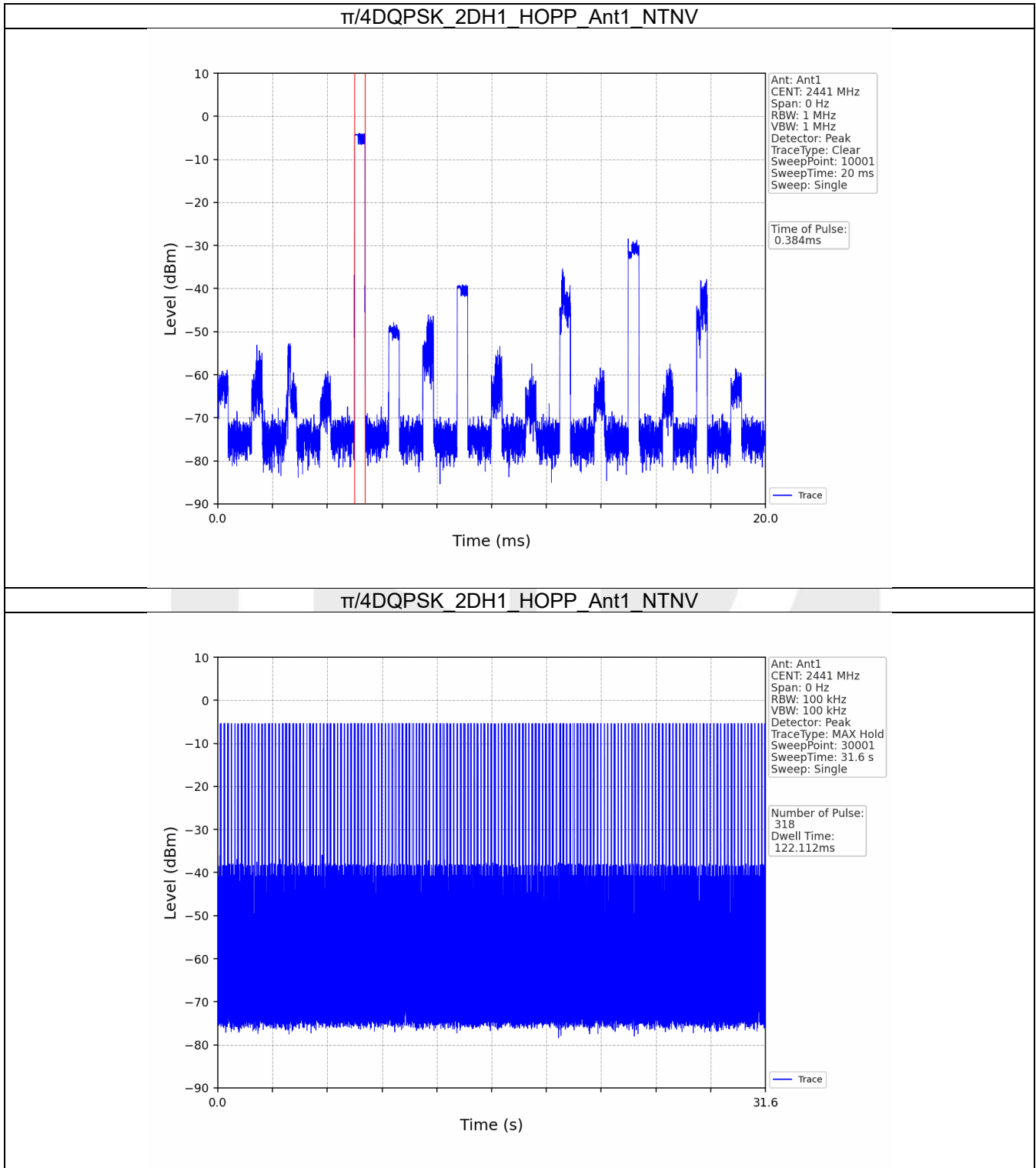
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.374	31.600	318	118.932	<=400	Pass
			DH3	1.632	31.600	148	241.536	<=400	Pass
			DH5	2.882	31.600	110	317.020	<=400	Pass
π/4DQPSK	SISO	HOPP	2DH1	0.384	31.600	318	122.112	<=400	Pass
			2DH3	1.636	31.600	166	271.576	<=400	Pass
			2DH5	2.884	31.600	120	346.080	<=400	Pass
8DPSK	SISO	HOPP	3DH1	6.658	31.600	52	346.216	<=400	Pass
			3DH3	0.644	31.600	170	109.480	<=400	Pass
			3DH5	0.888	31.600	102	90.576	<=400	Pass

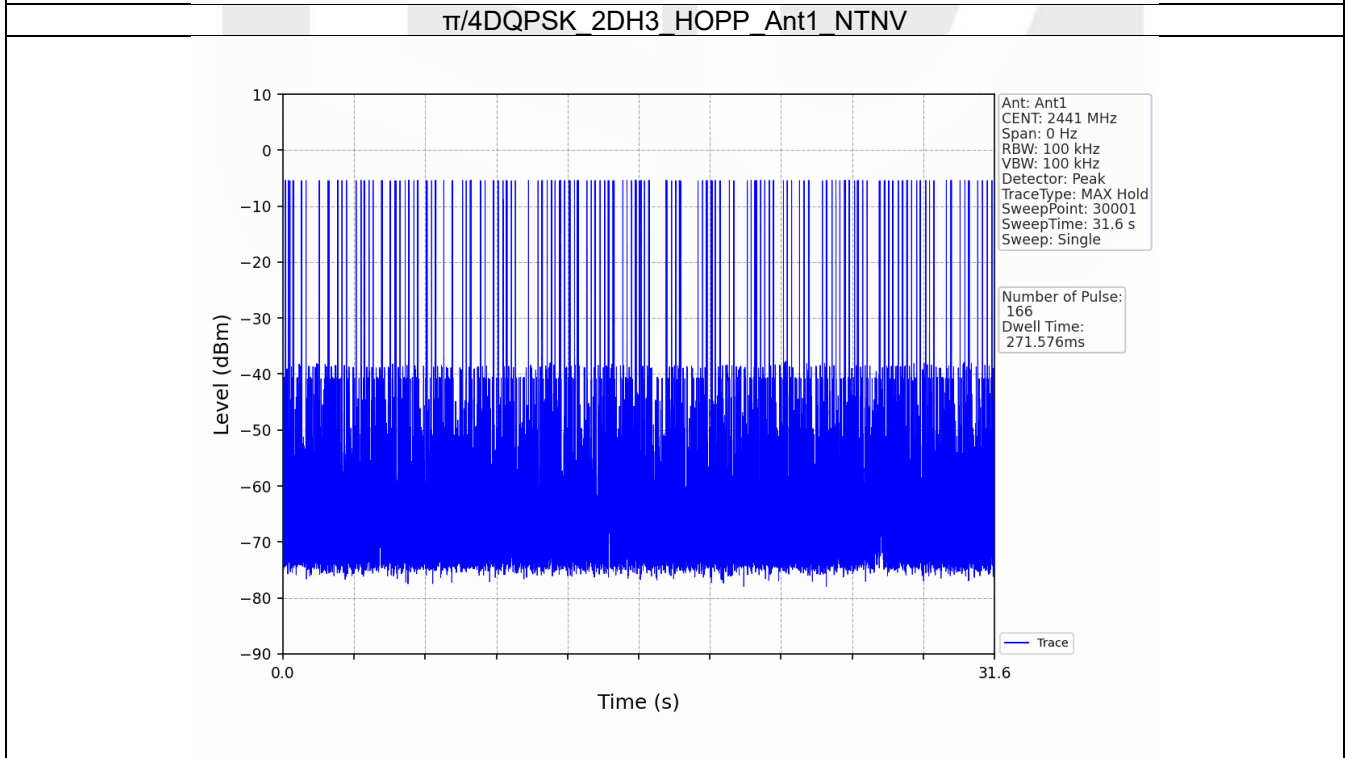
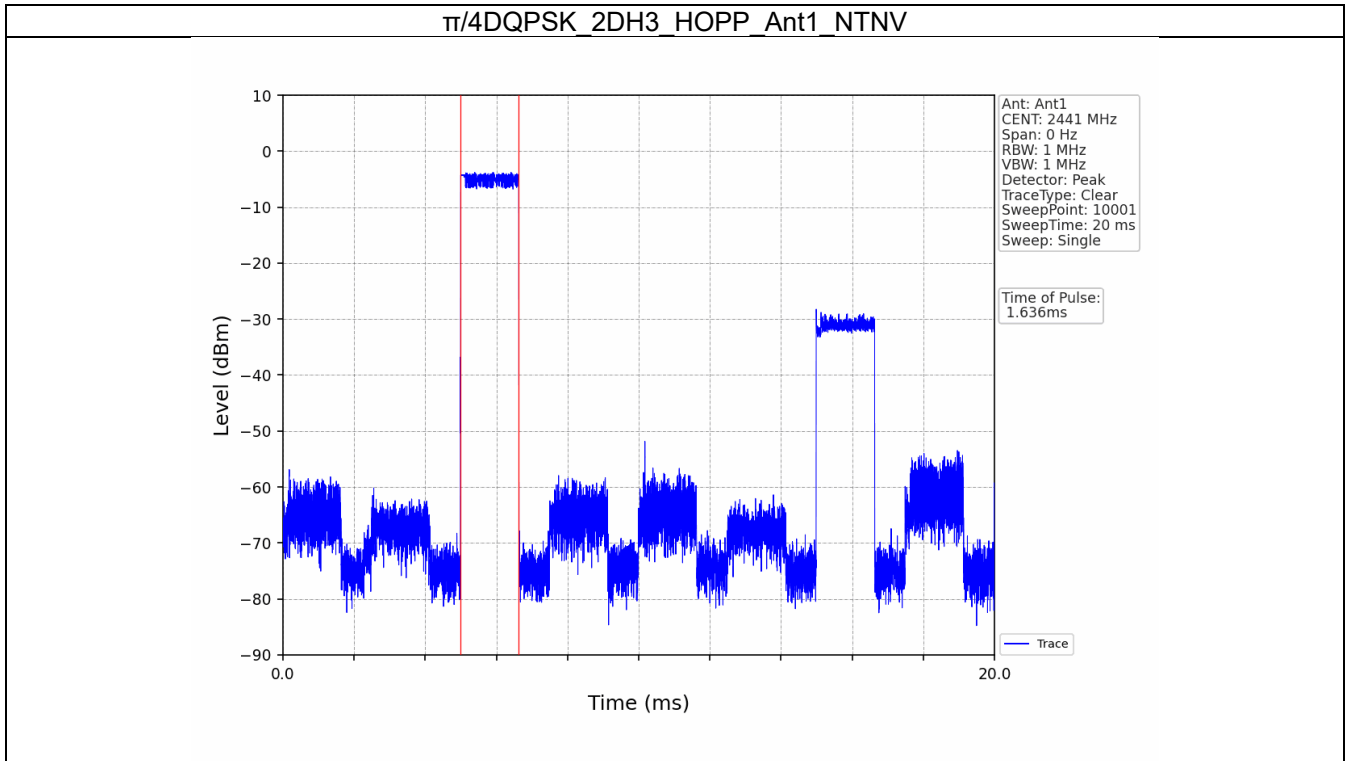
5.1.2 Test Graph

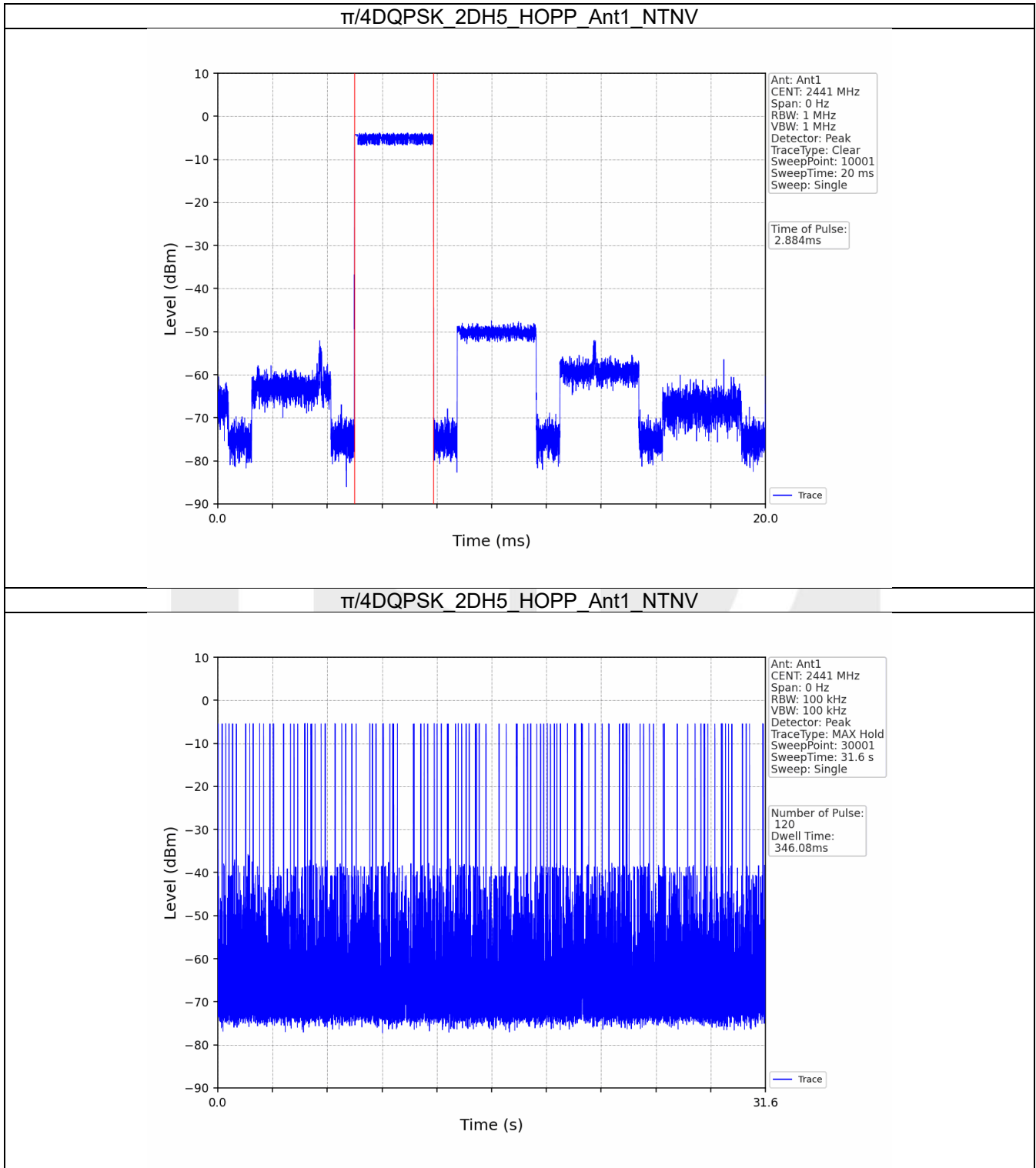


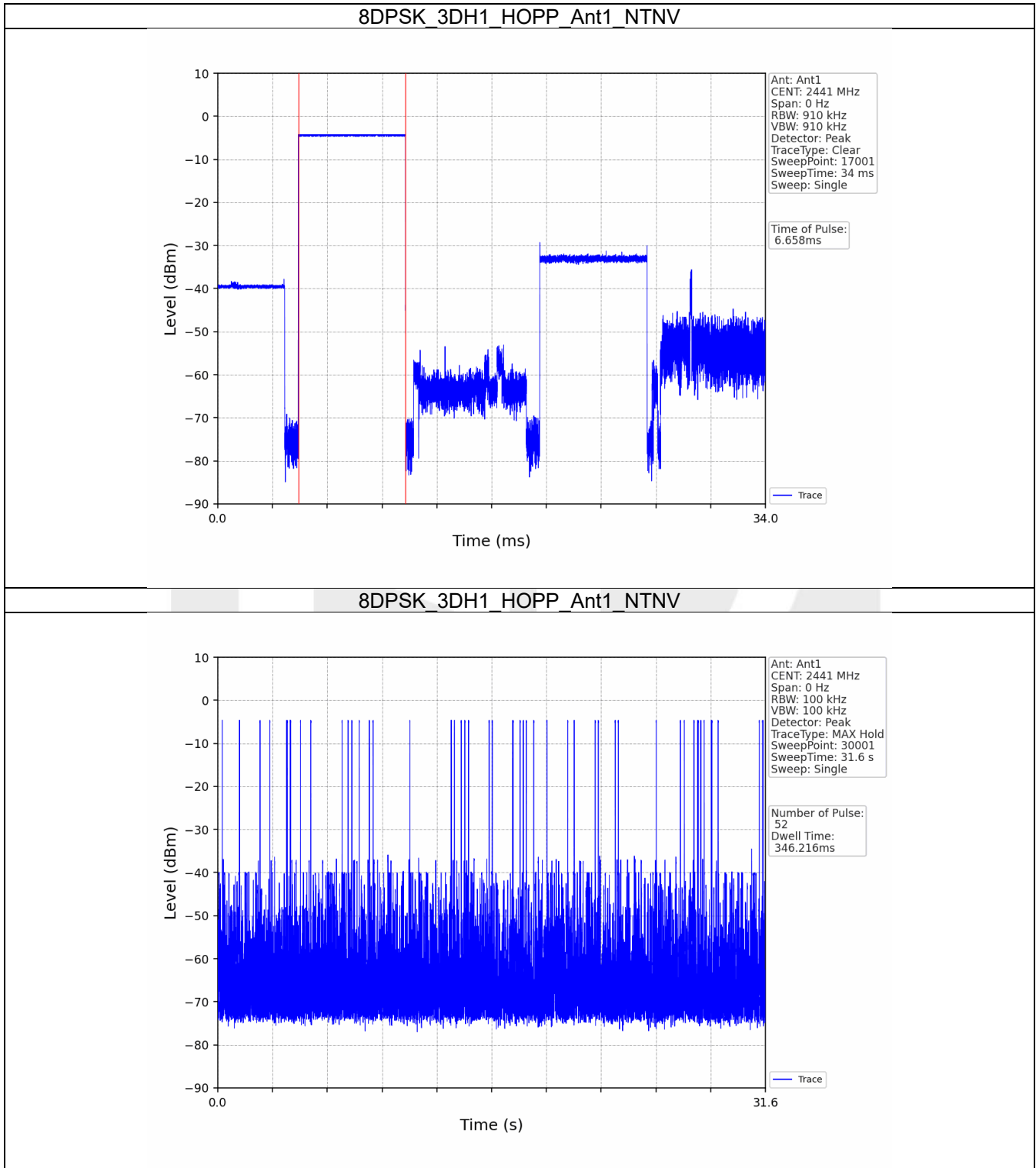


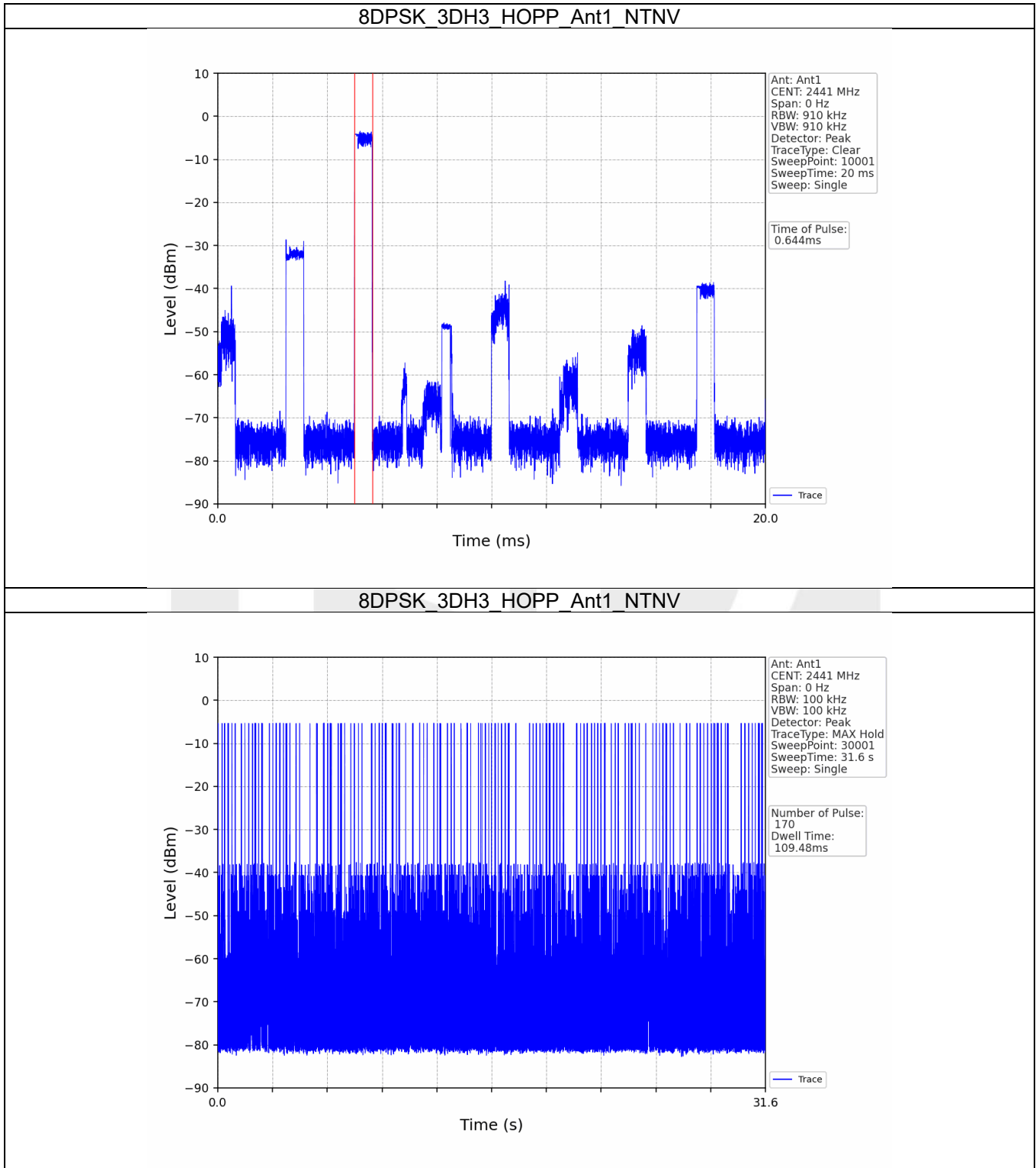


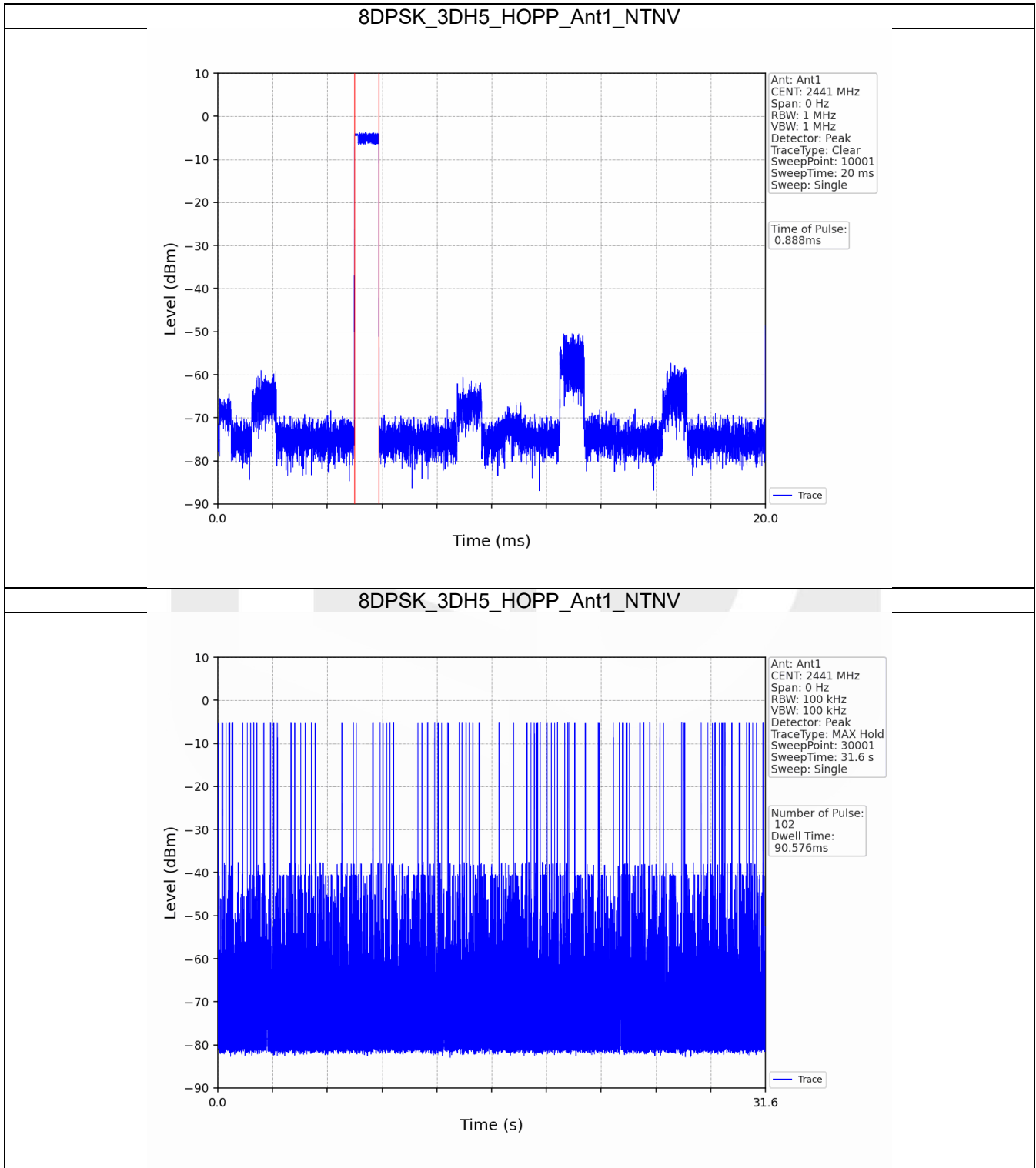












6. Unwanted Emissions In Non-restricted Frequency Bands

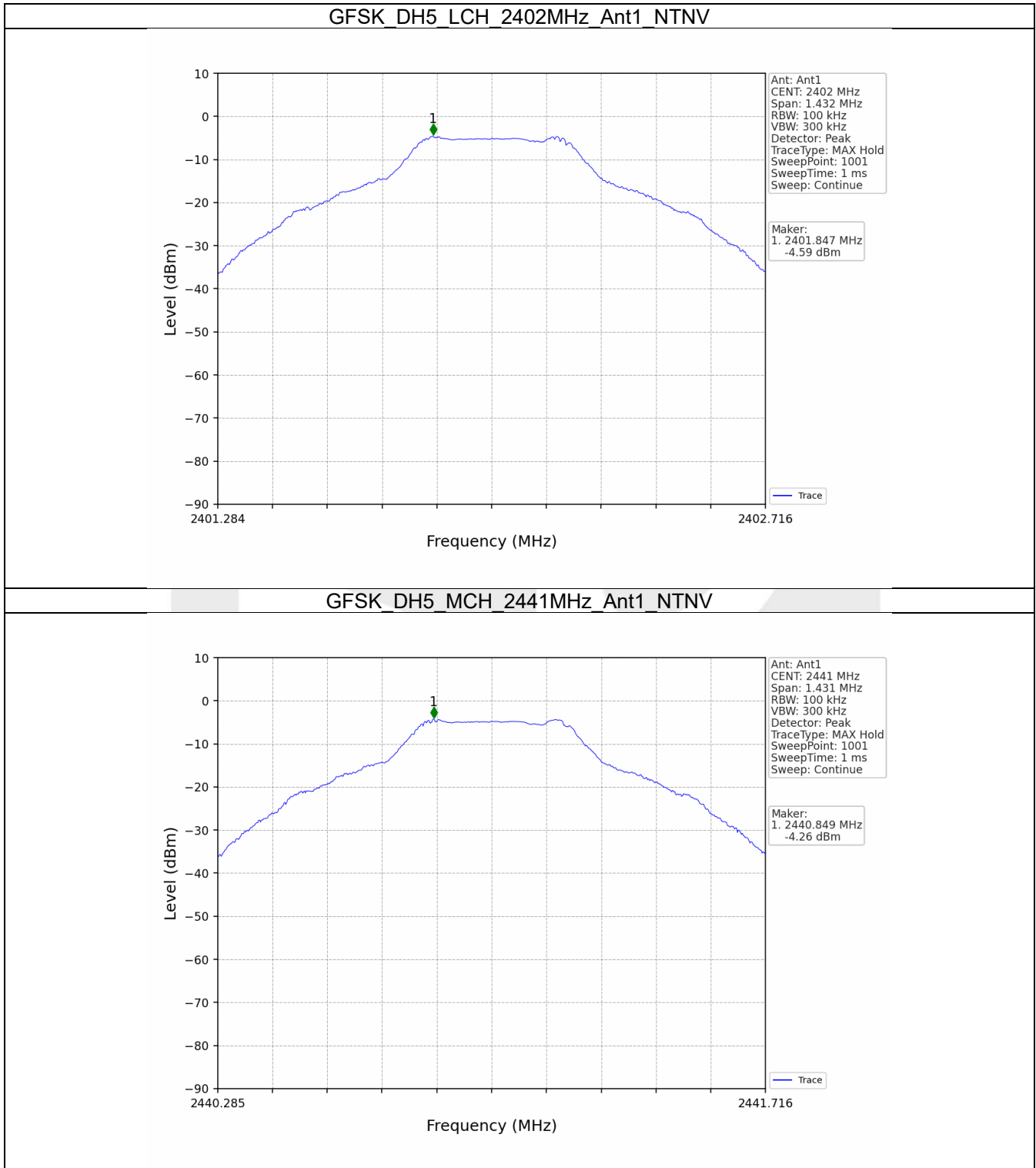
6.1 Ref

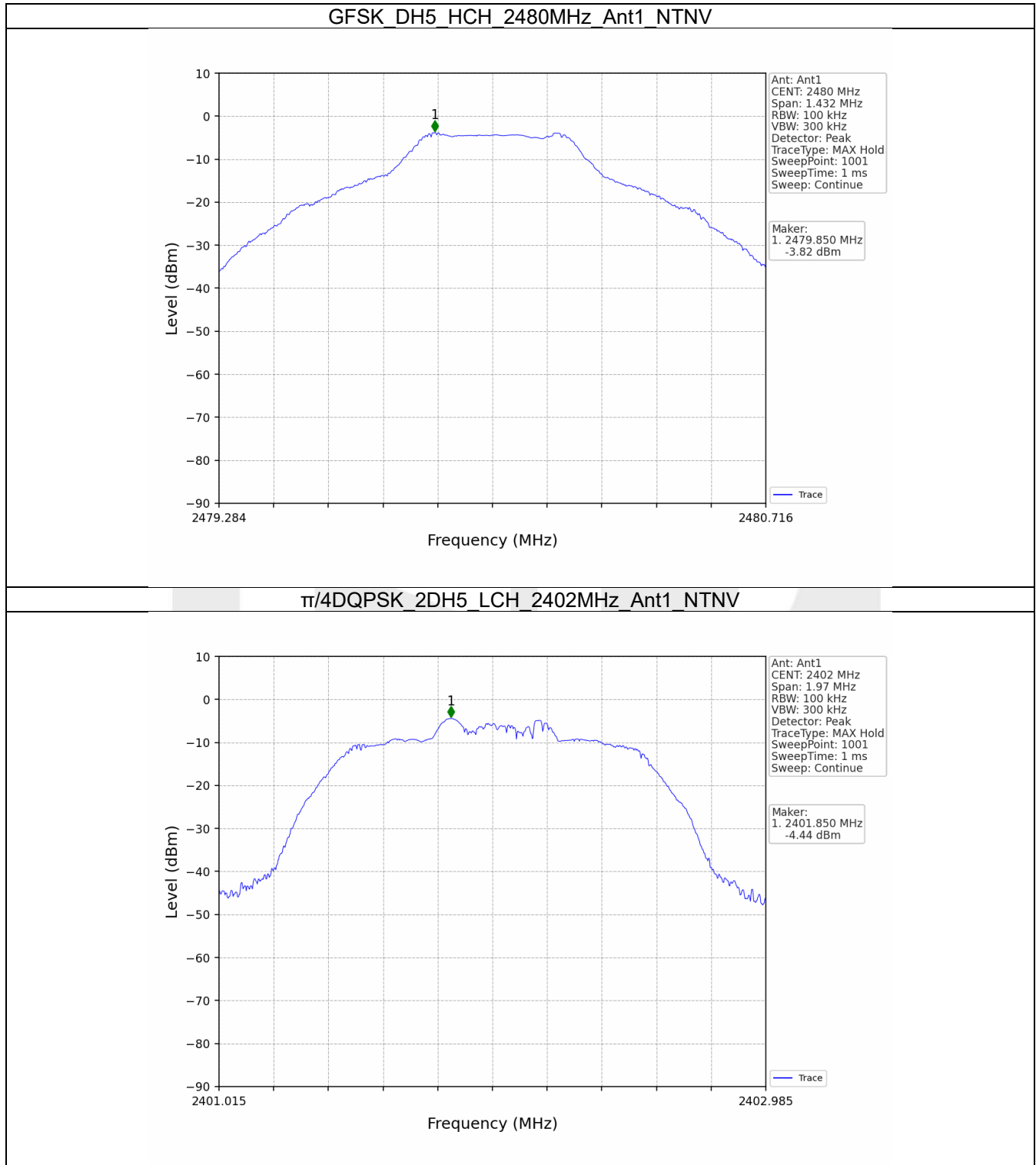
6.1.1 Test Result

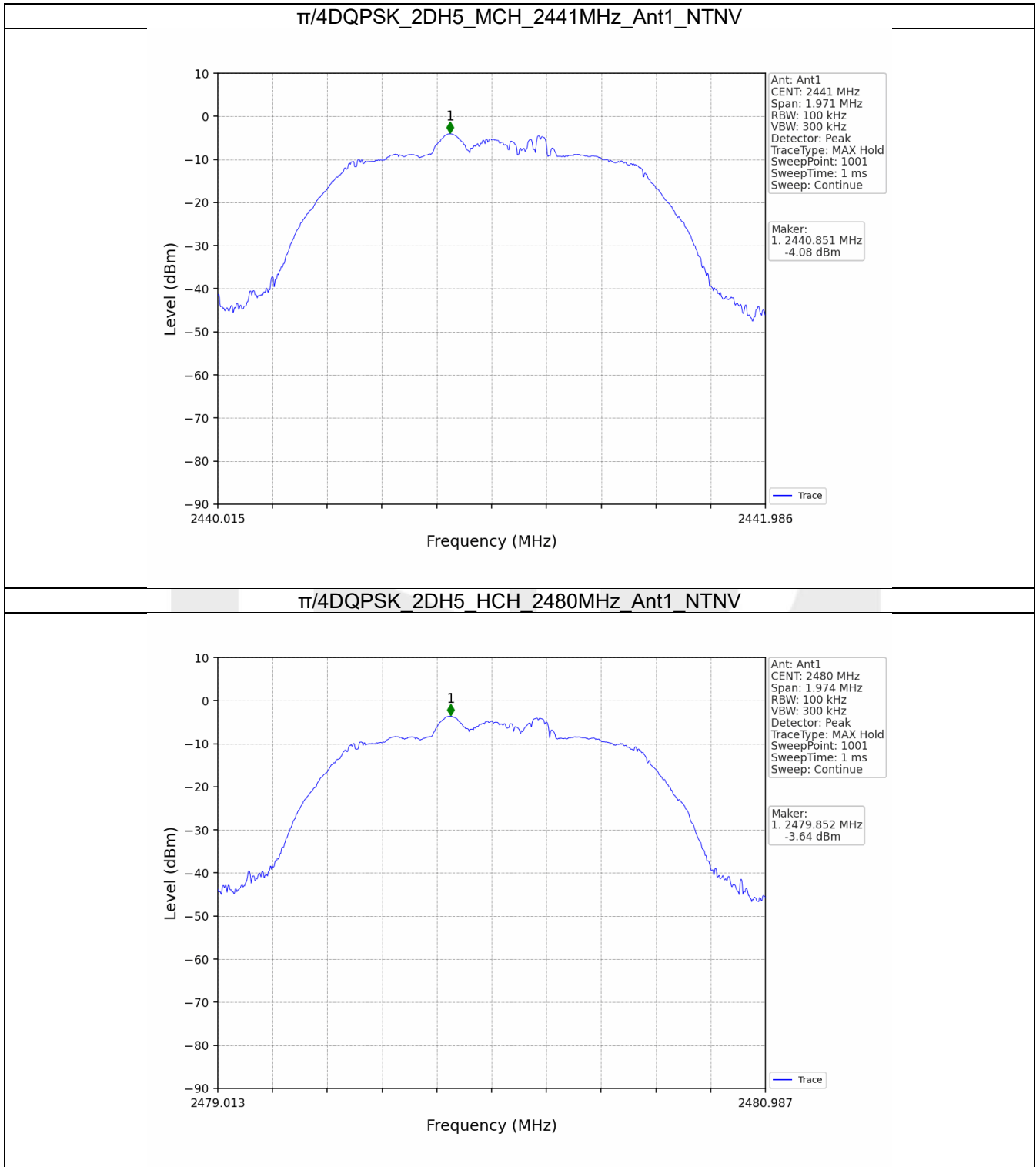
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-4.59
		2441	DH5	1	-4.26
		2480	DH5	1	-3.82
$\pi/4$ DQPSK	SISO	2402	2DH5	1	-4.44
		2441	2DH5	1	-4.08
		2480	2DH5	1	-3.64
8DPSK	SISO	2402	3DH5	1	-4.30
		2441	3DH5	1	-3.96
		2480	3DH5	1	-3.47

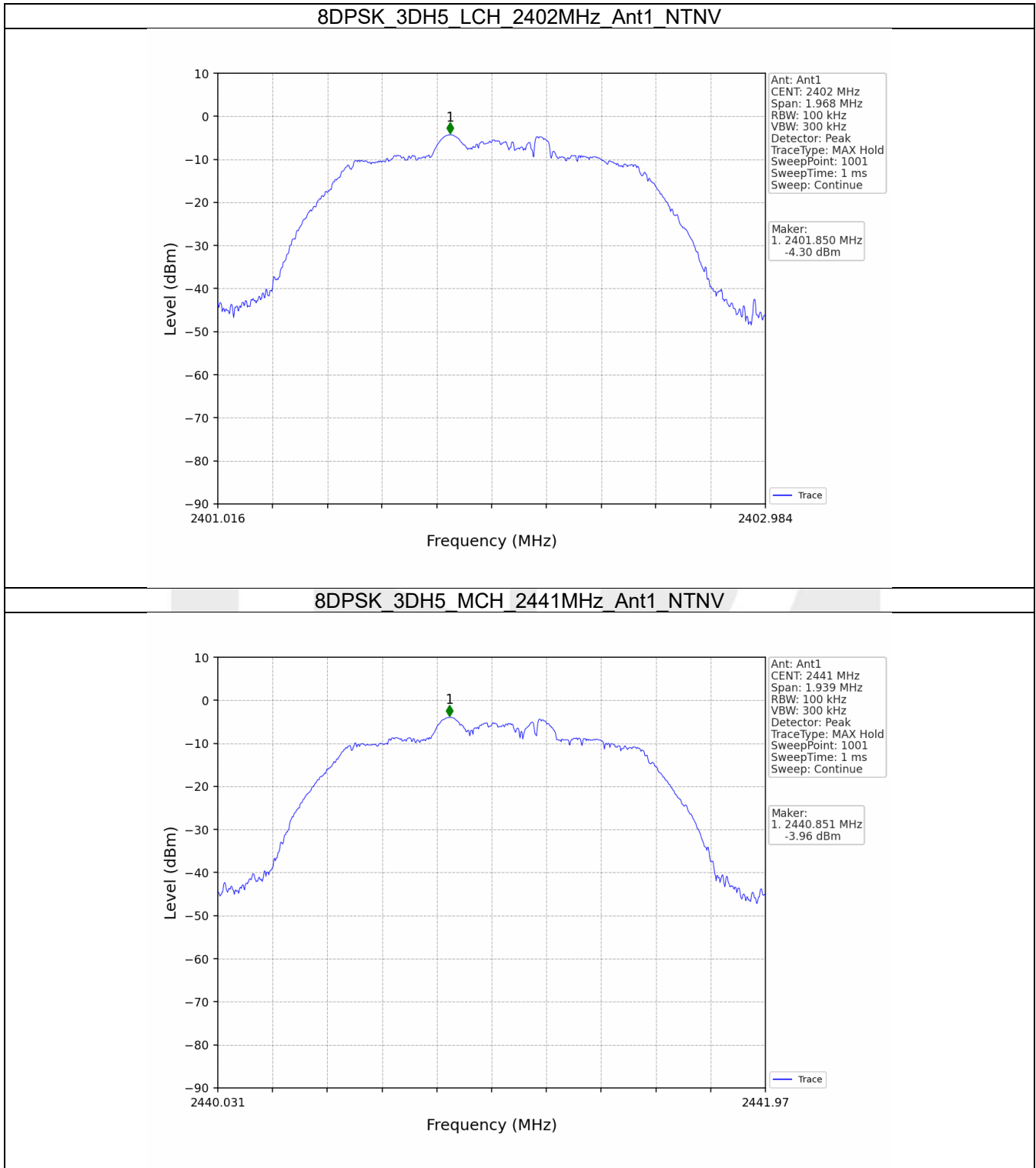
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

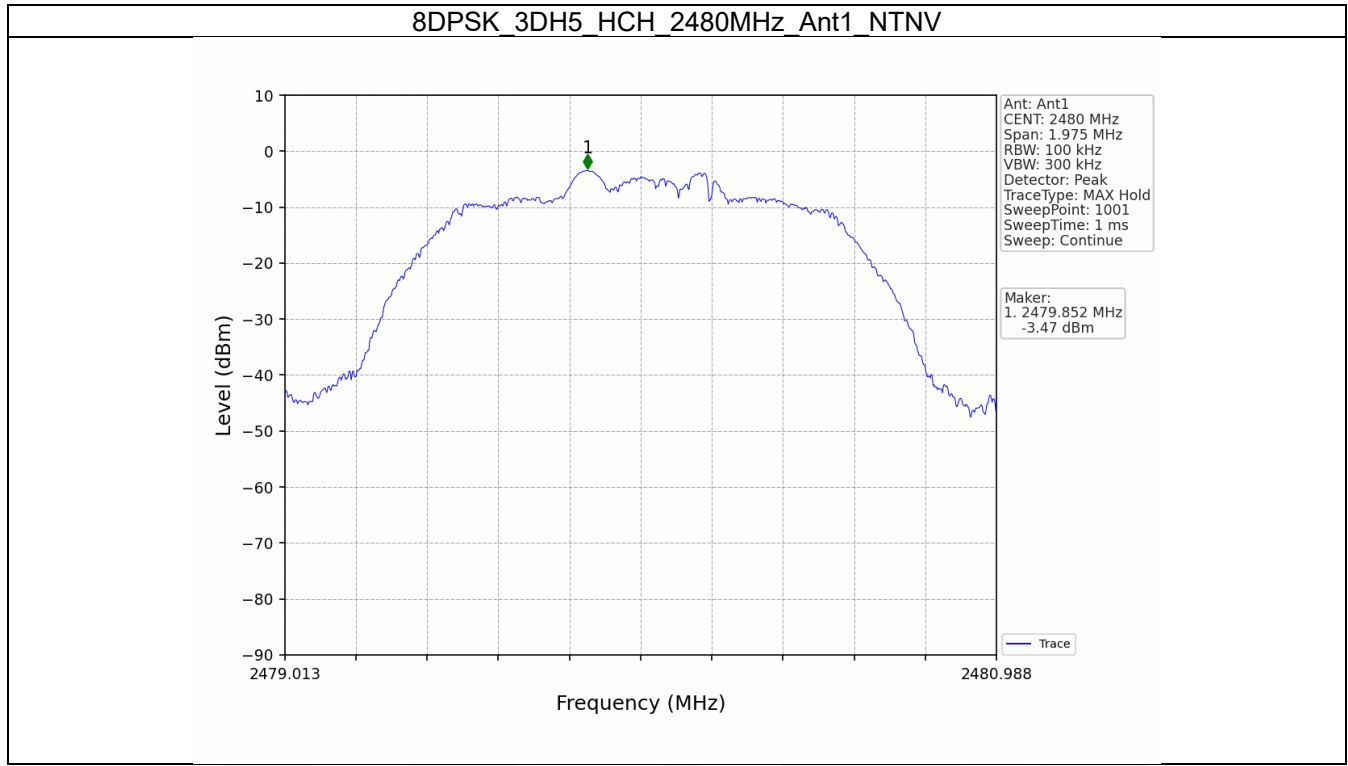
6.1.2 Test Graph











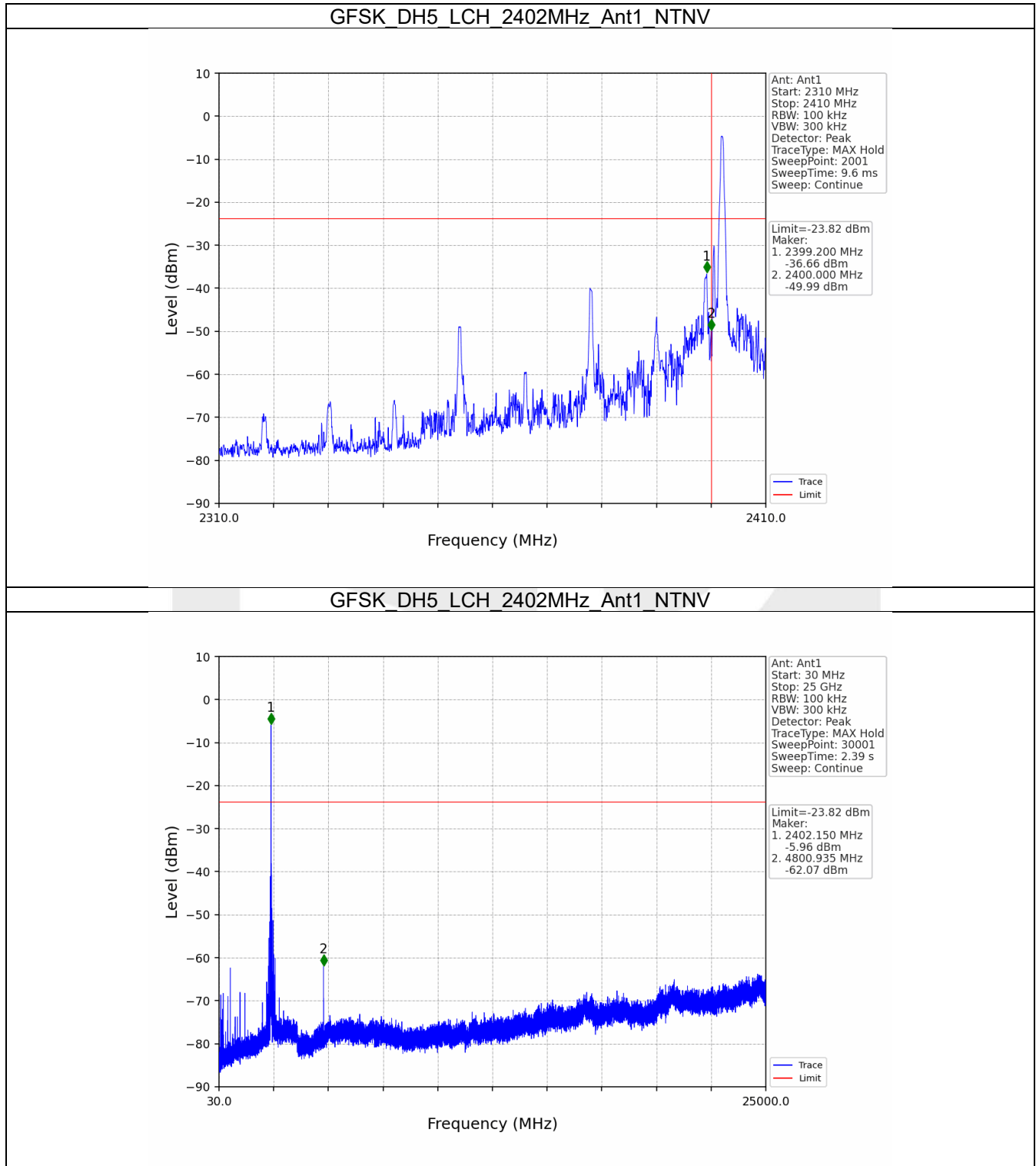
6.2 CSE

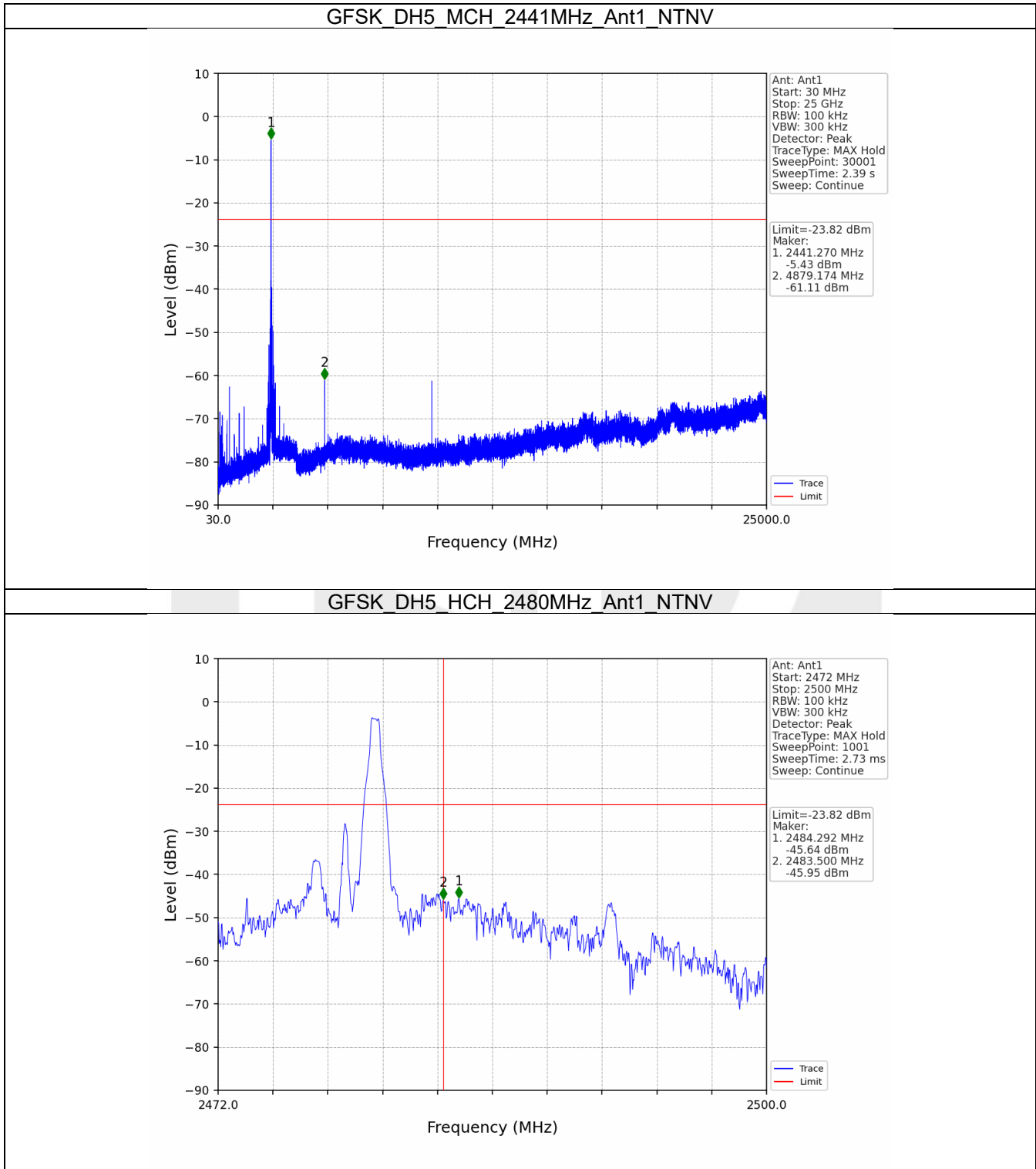
6.2.1 Test Result

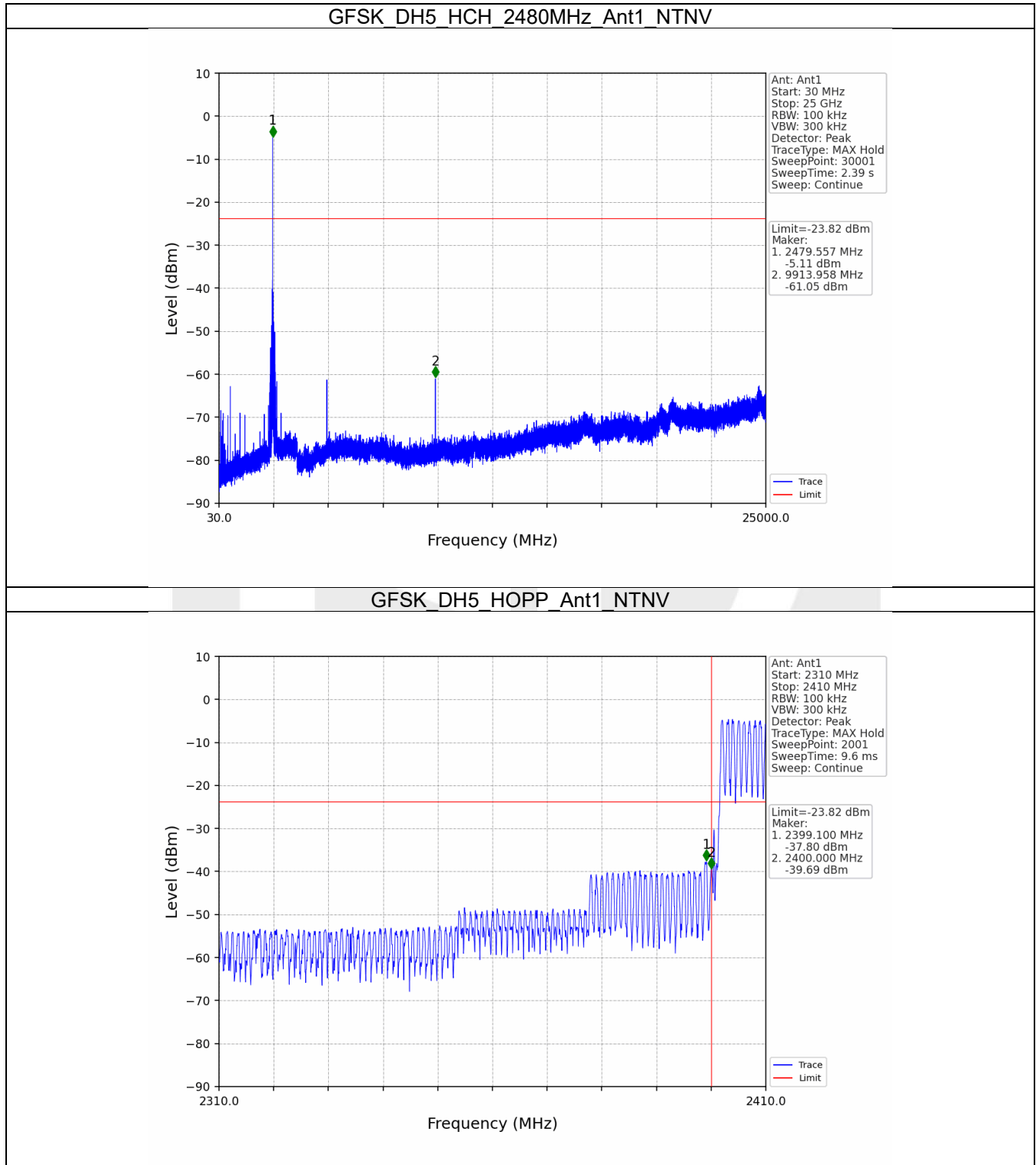
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-3.82	-23.82	Pass
		2441	DH5	1	-3.82	-23.82	Pass
		2480	DH5	1	-3.82	-23.82	Pass
		HOPP	DH5	1	-3.82	-23.82	Pass
$\pi/4$ DQPSK	SISO	2402	2DH5	1	-3.64	-23.64	Pass
		2441	2DH5	1	-3.64	-23.64	Pass
		2480	2DH5	1	-3.64	-23.64	Pass
		HOPP	2DH5	1	-3.64	-23.64	Pass
8DPSK	SISO	2402	3DH5	1	-3.47	-23.47	Pass
		2441	3DH5	1	-3.47	-23.47	Pass
		2480	3DH5	1	-3.47	-23.47	Pass
		HOPP	3DH5	1	-3.47	-23.47	Pass

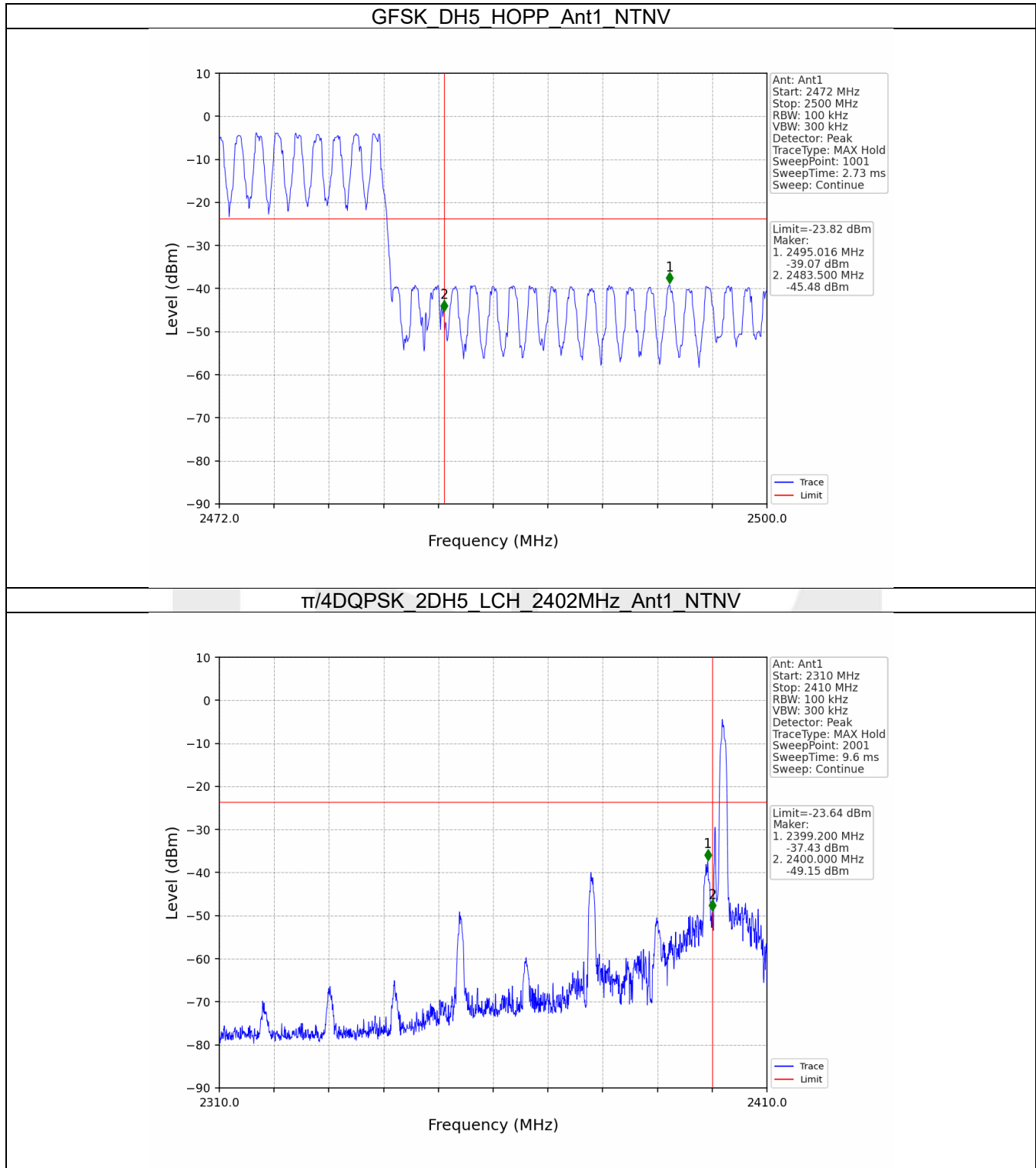
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

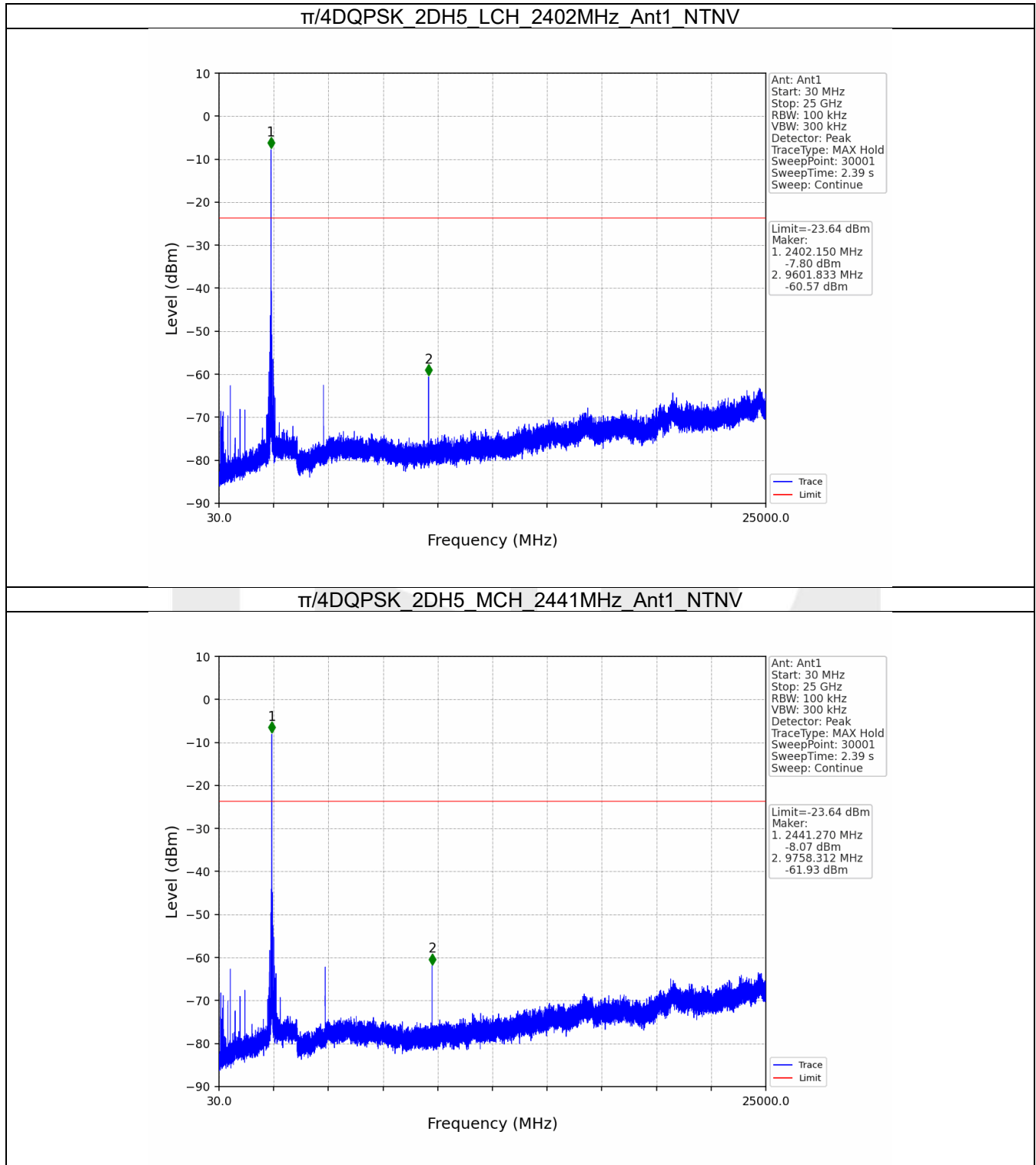
6.2.2 Test Graph

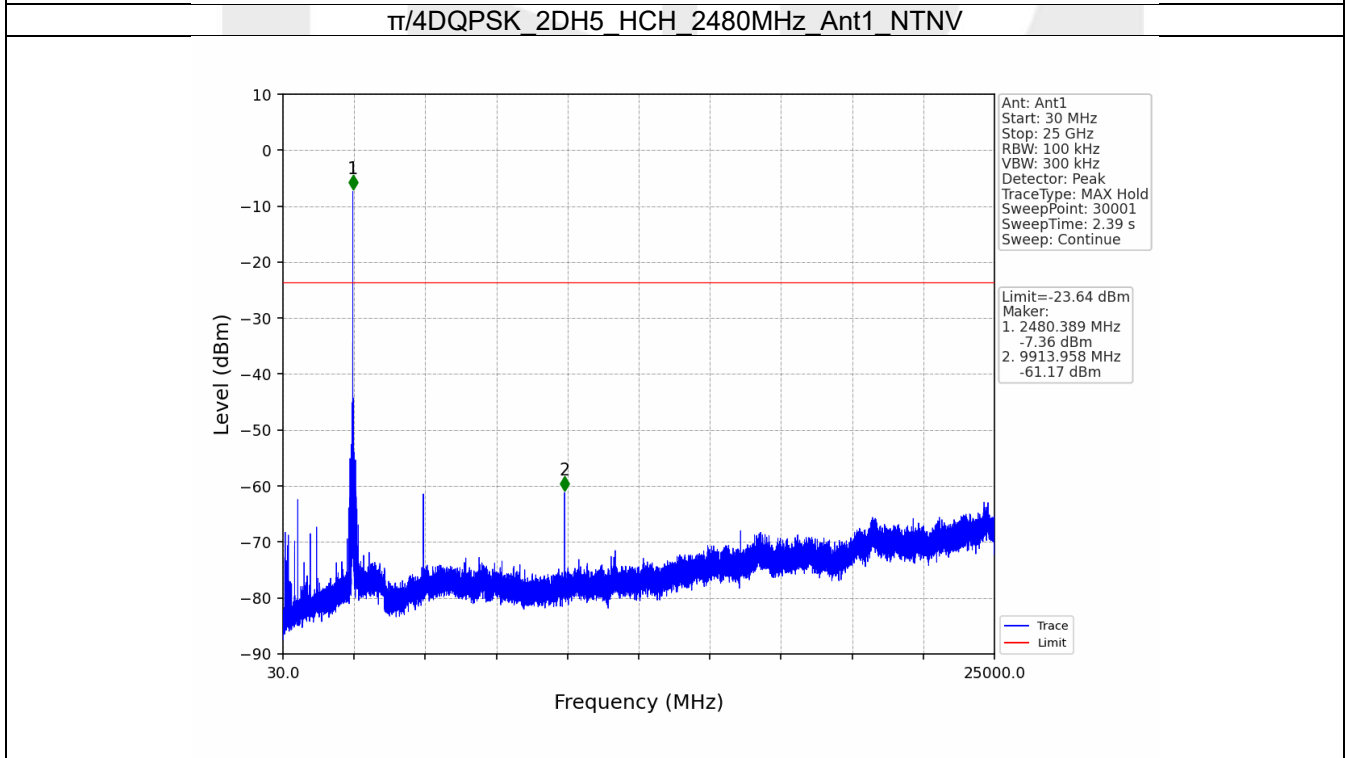
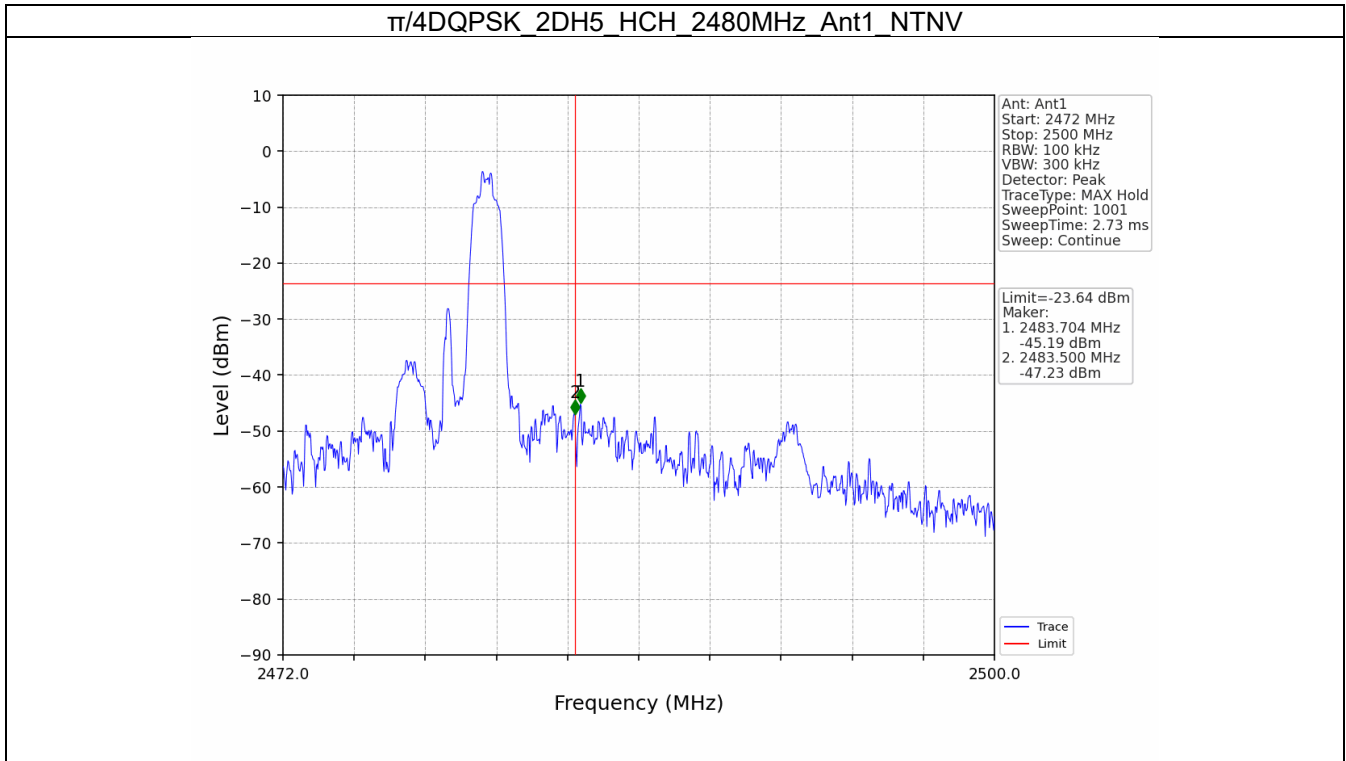


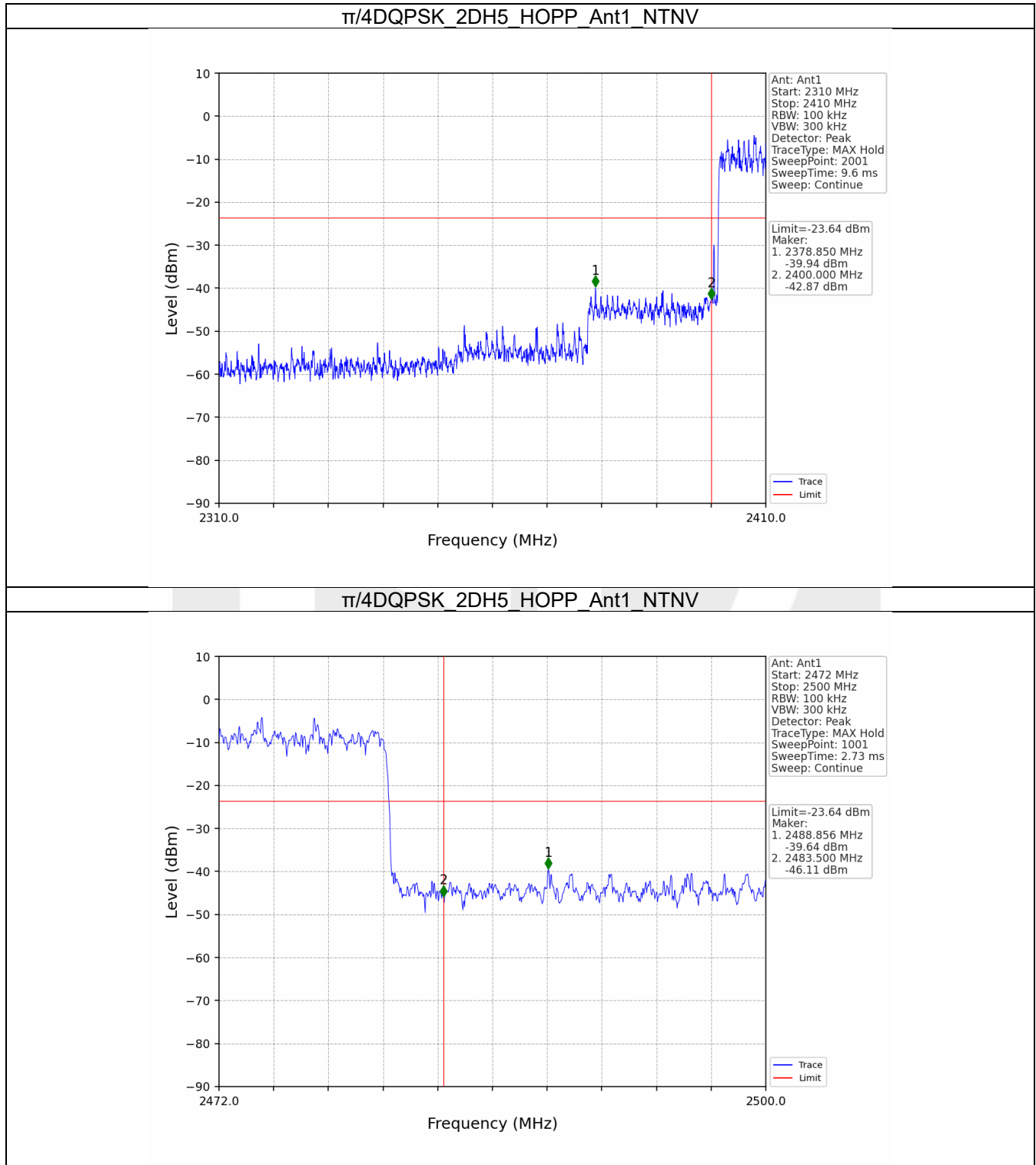


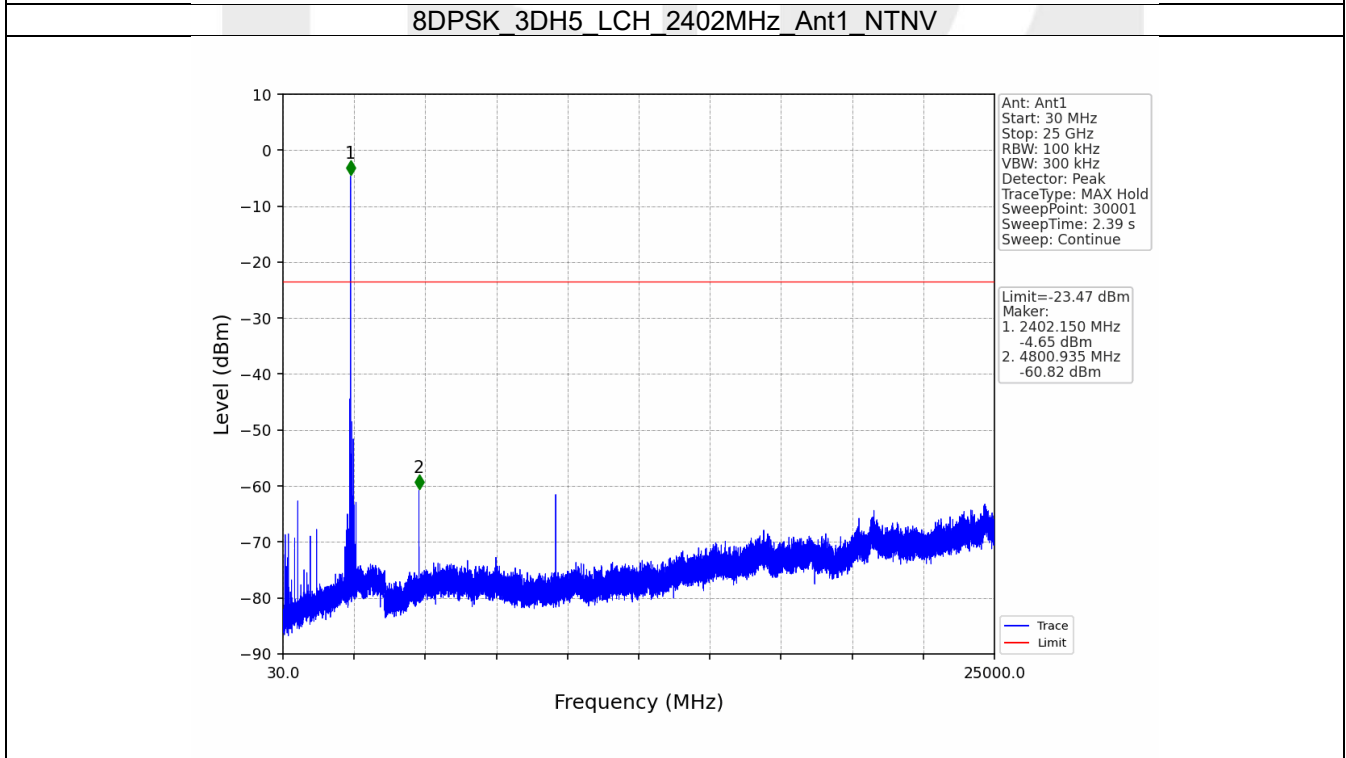
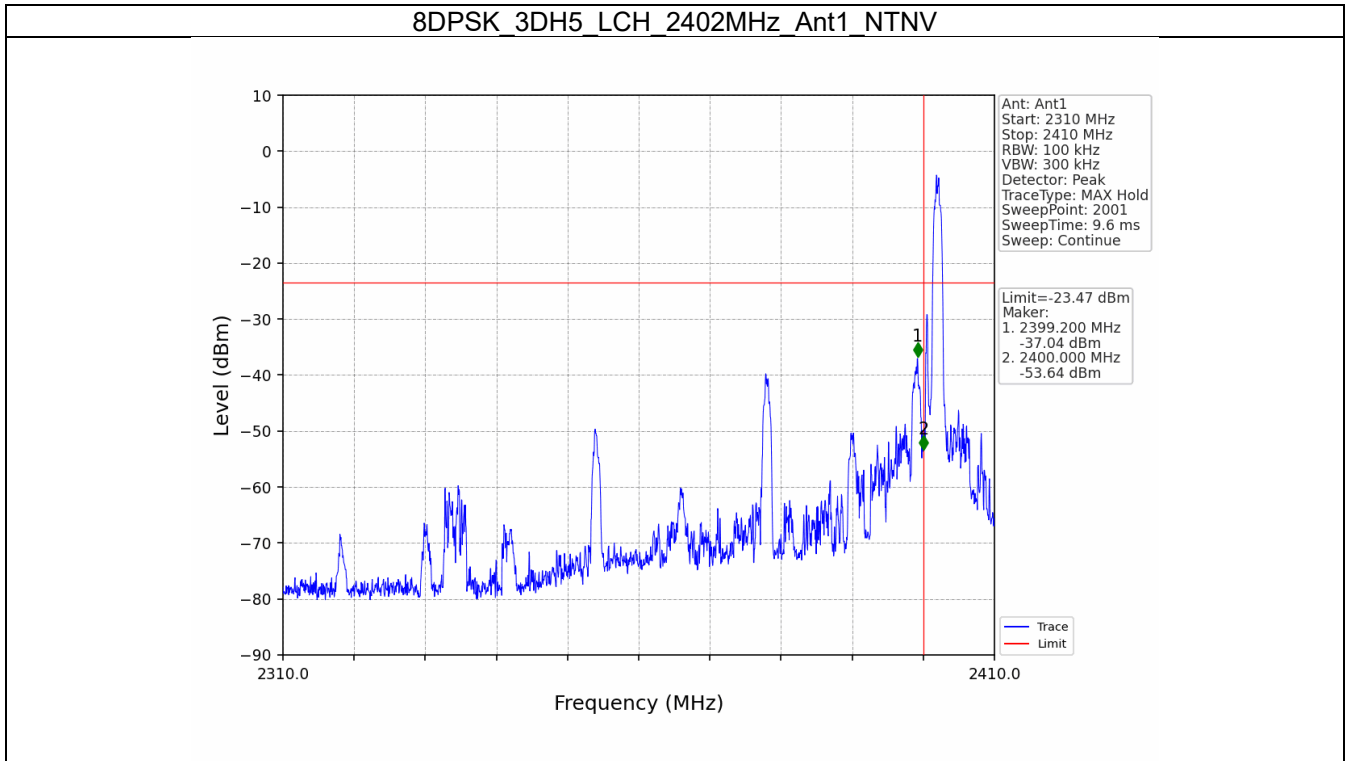


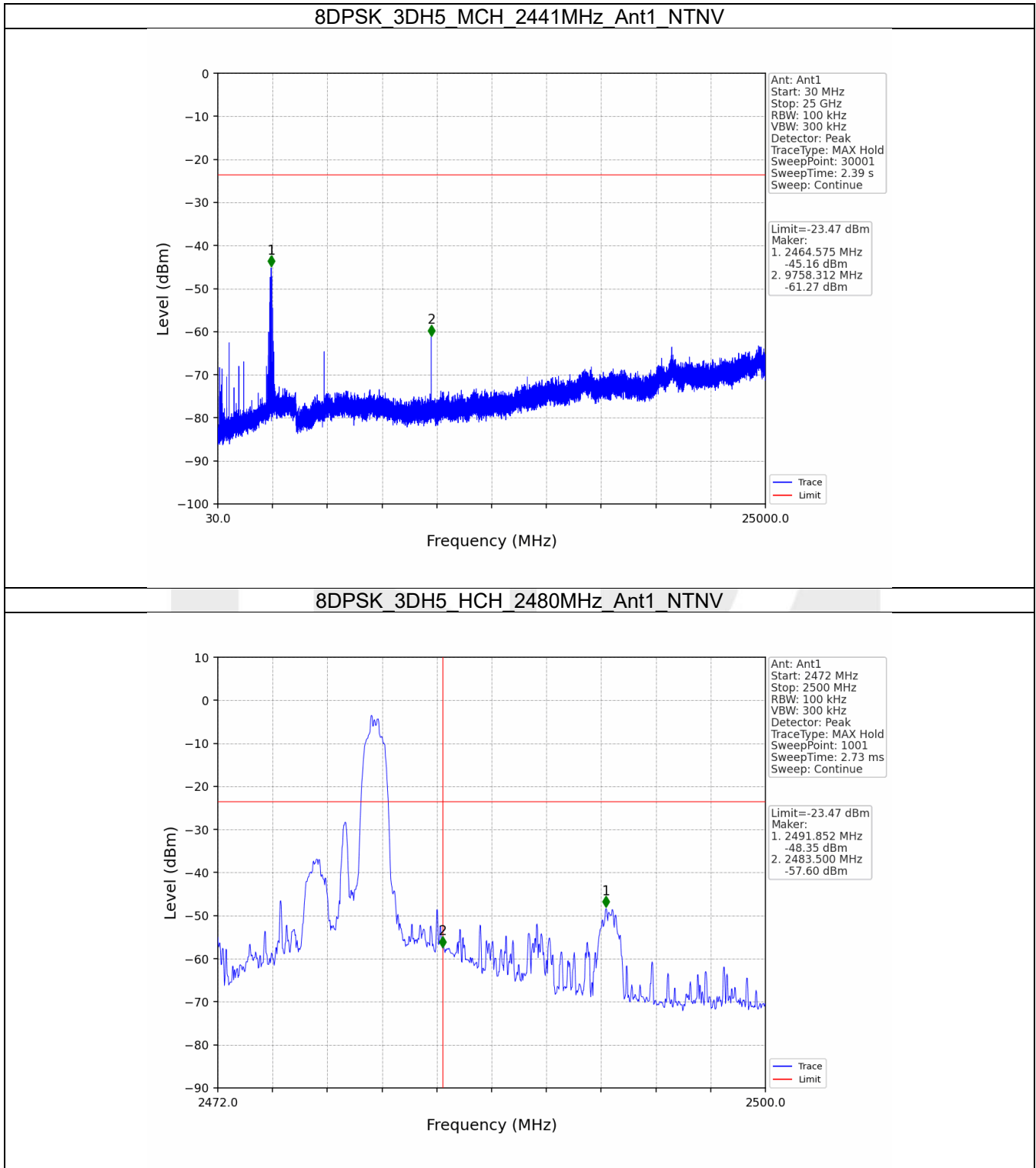


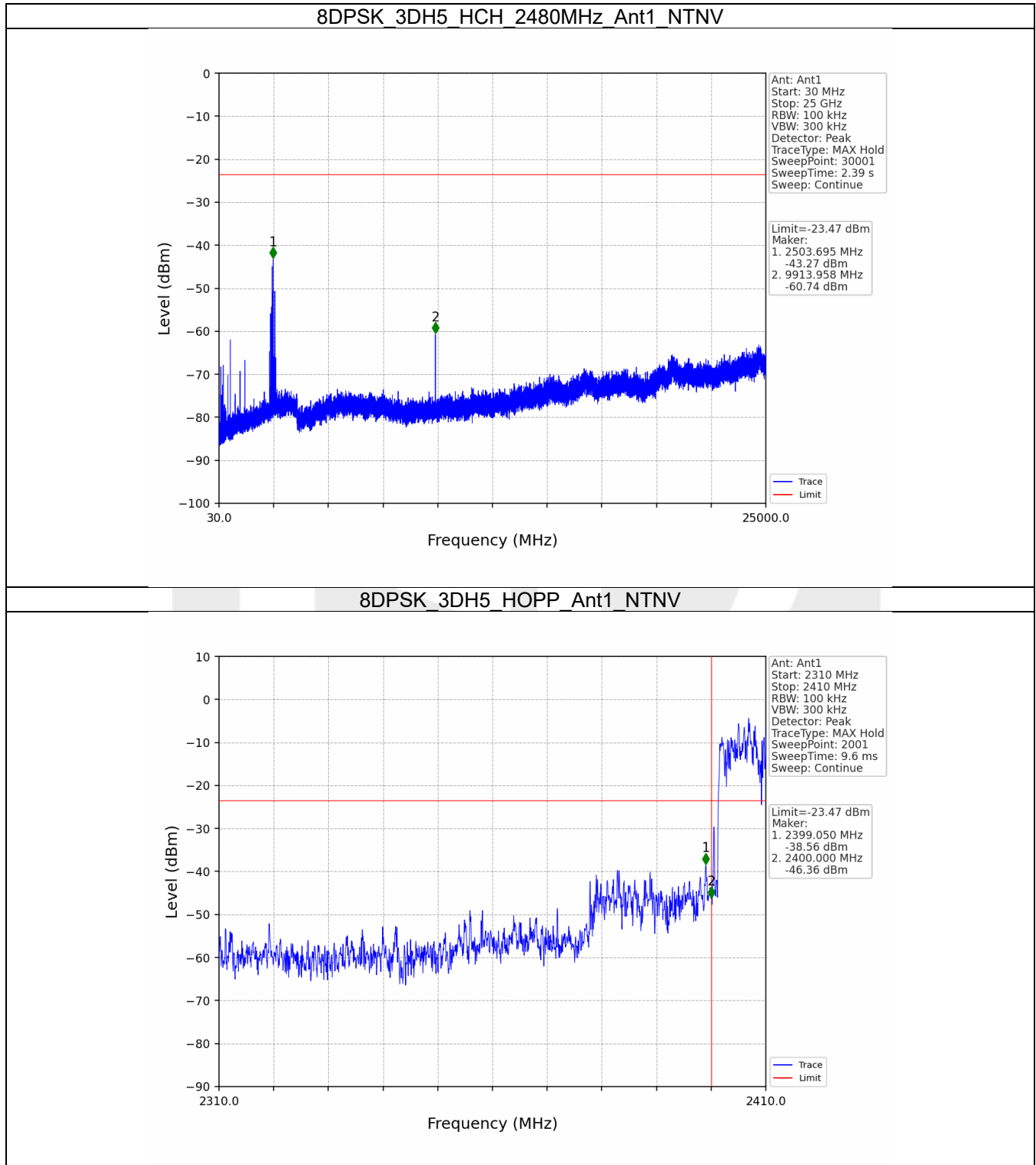


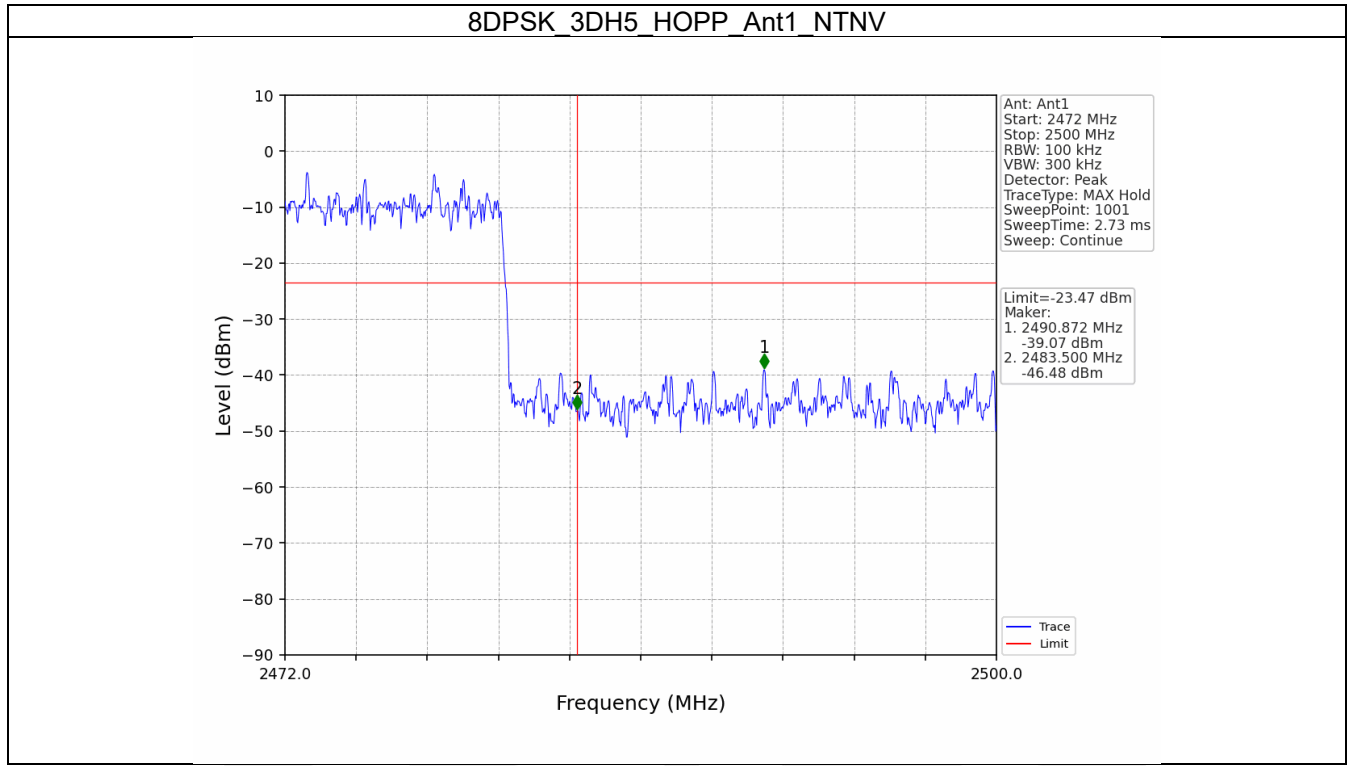












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