

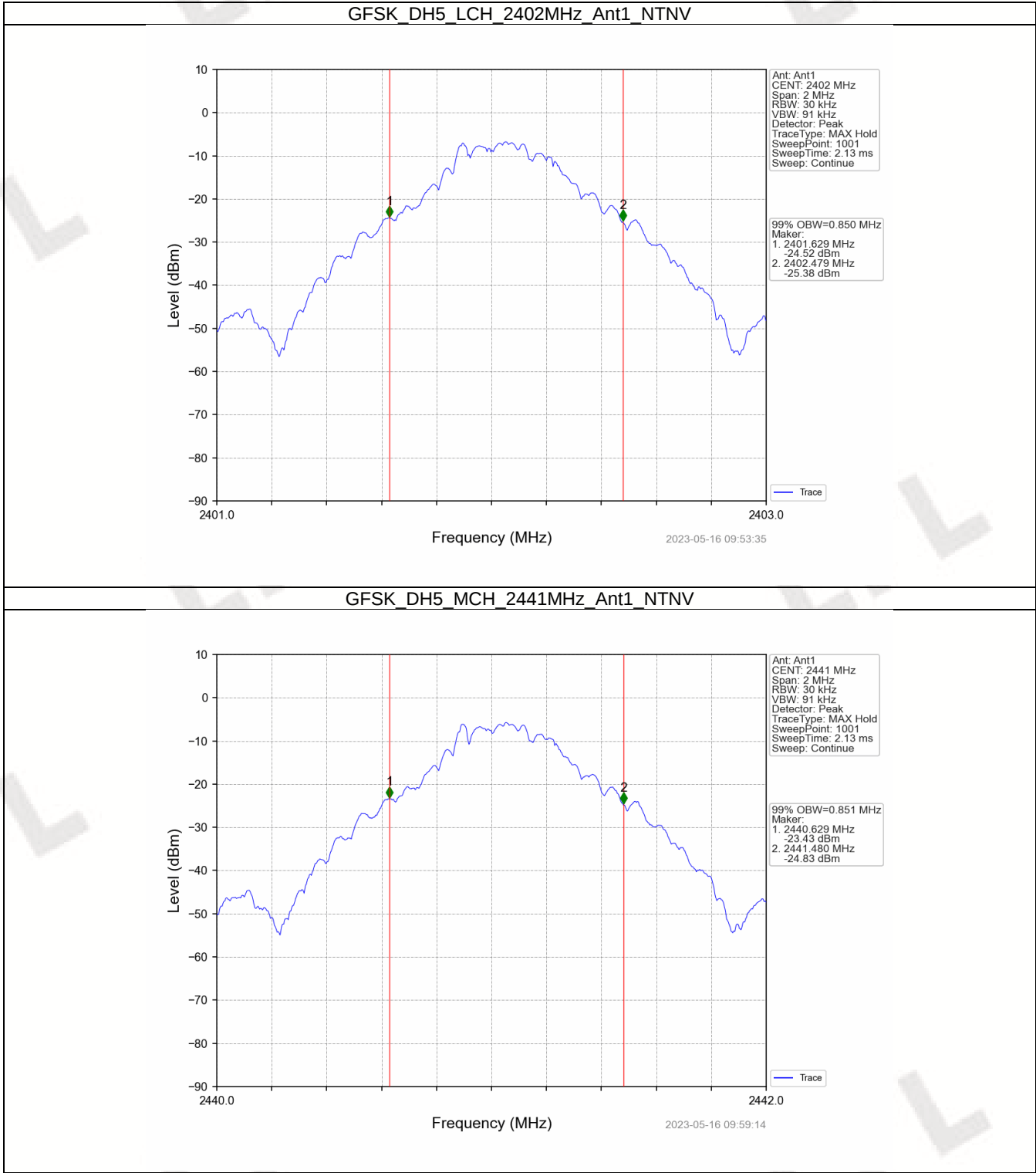
1. Bandwidth

1.1 OBW

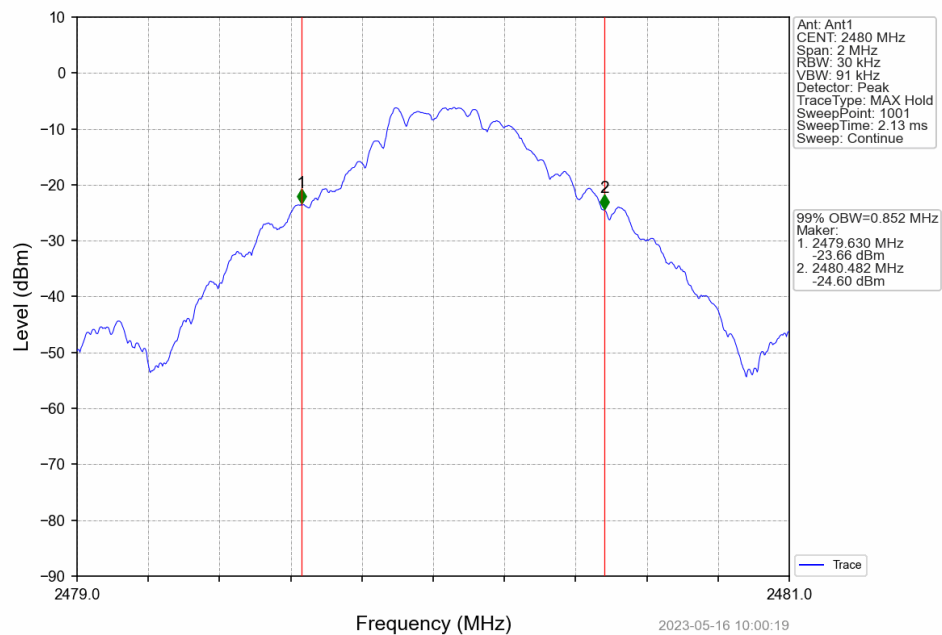
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.850	Pass
		2441	DH5	1	0.851	Pass
		2480	DH5	1	0.852	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.167	Pass
		2441	2DH5	1	1.165	Pass
		2480	2DH5	1	1.164	Pass
8DPSK	SISO	2402	3DH5	1	1.175	Pass
		2441	3DH5	1	1.177	Pass
		2480	3DH5	1	1.176	Pass

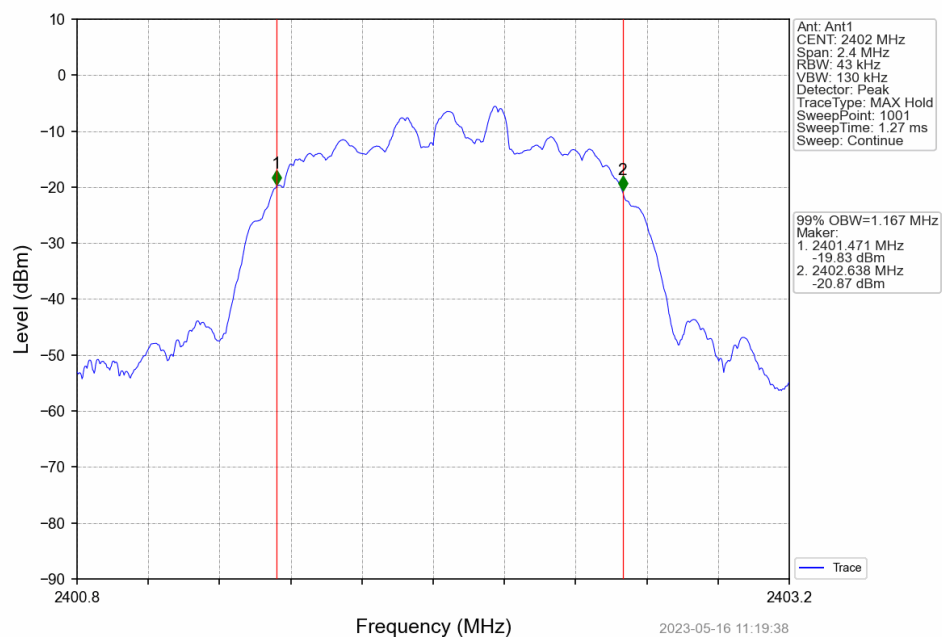
1.1.2 Test Graph



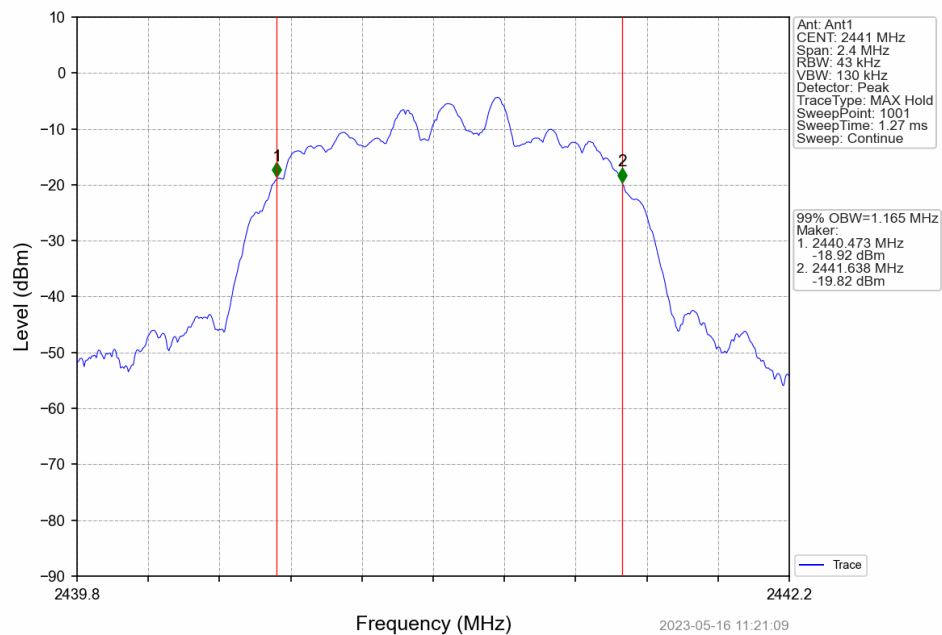
GFSK DH5 HCH 2480MHz Ant1 NTN



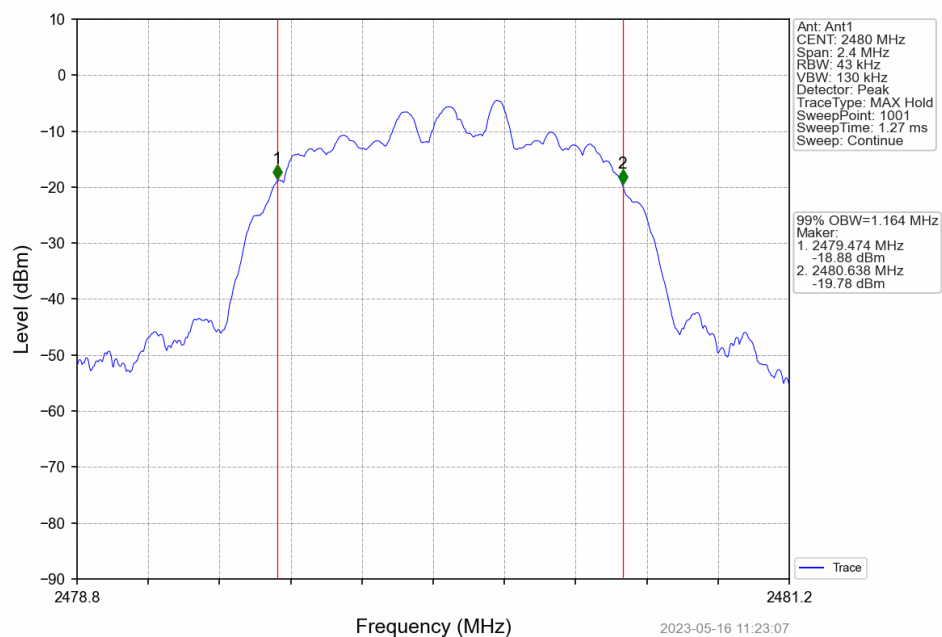
PI/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



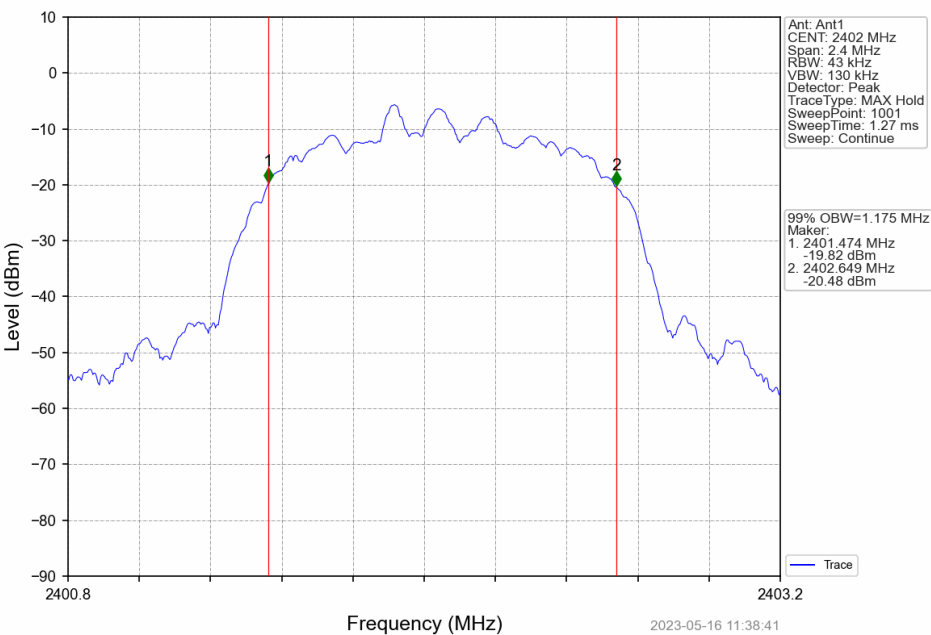
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTN



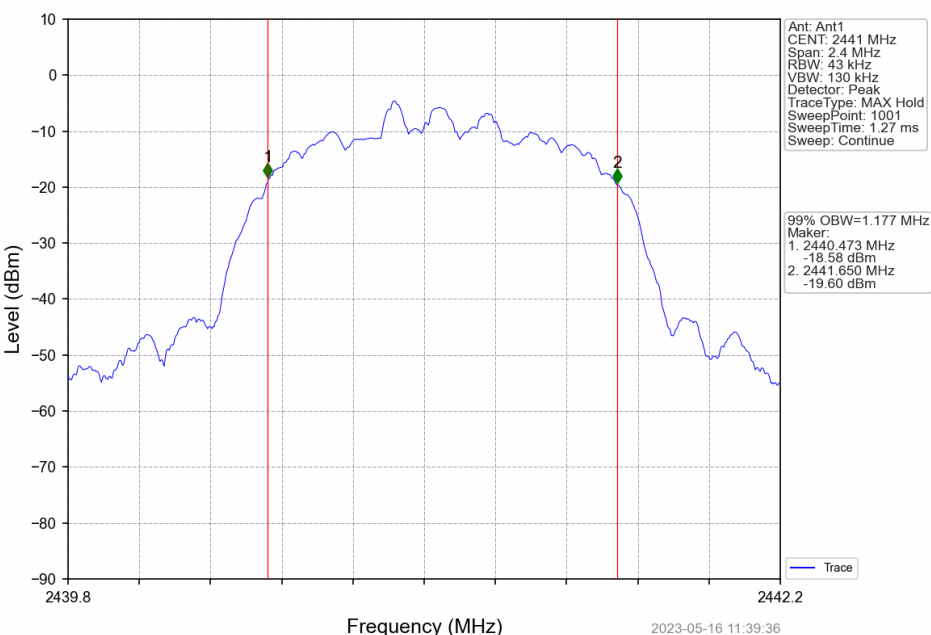
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTN

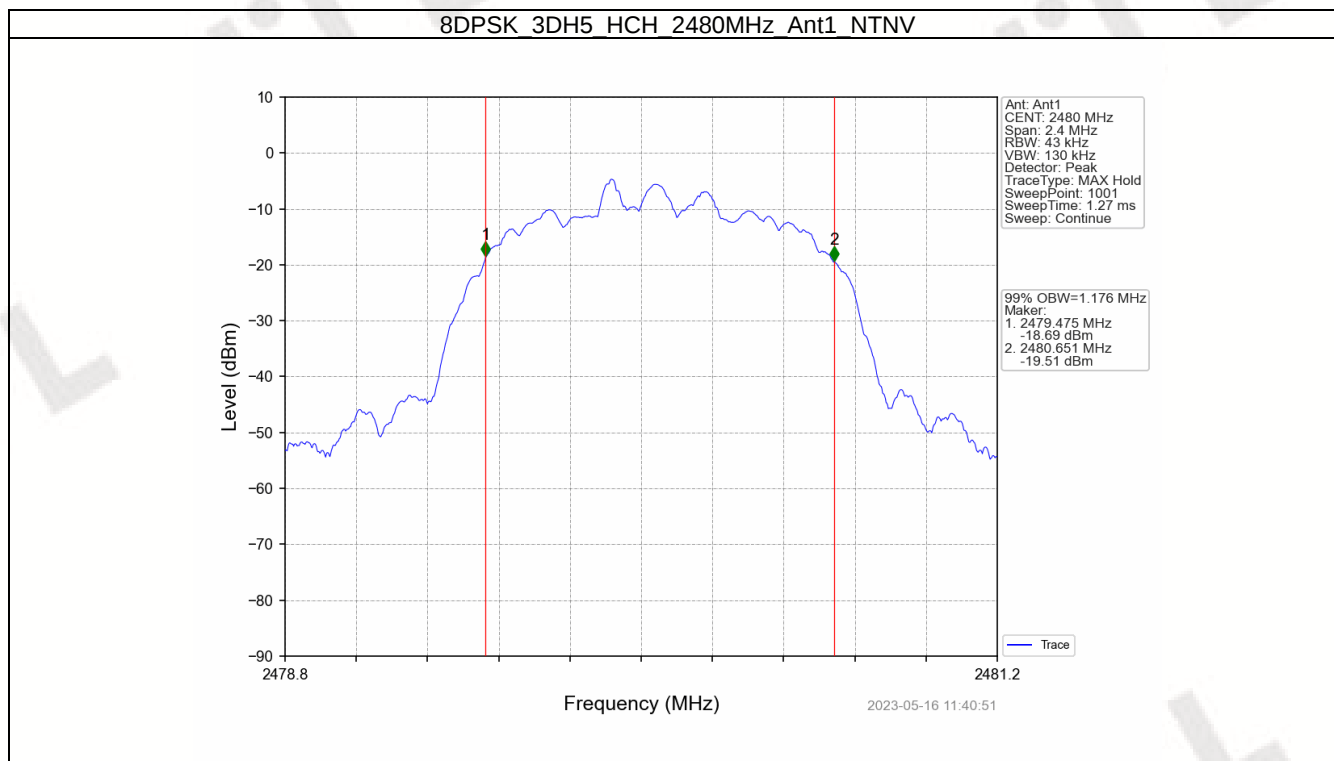


8DPSK 3DH5 LCH 2402MHz Ant1 NTV



8DPSK 3DH5 MCH 2441MHz Ant1 NTV



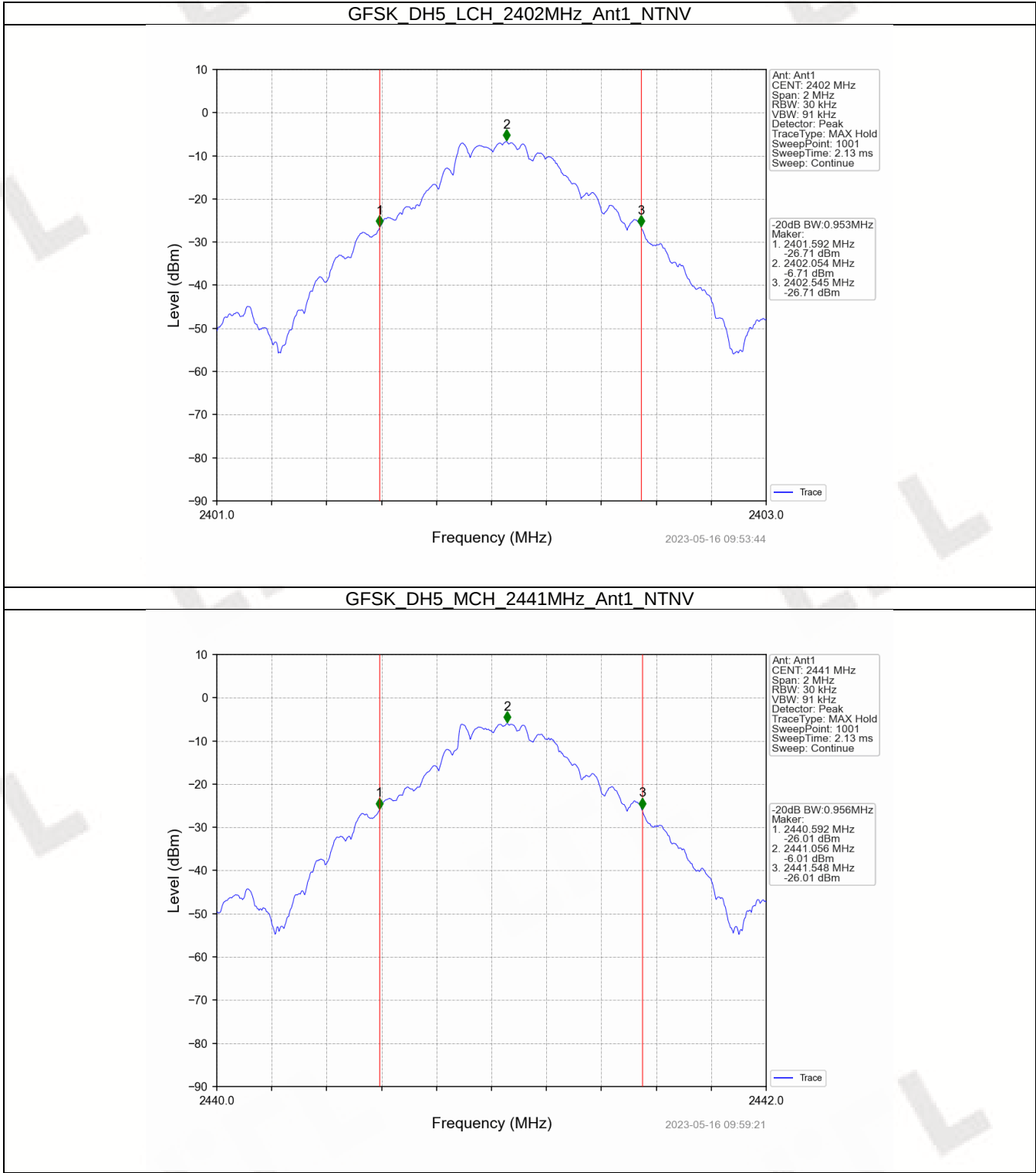


1.2 20dB BW

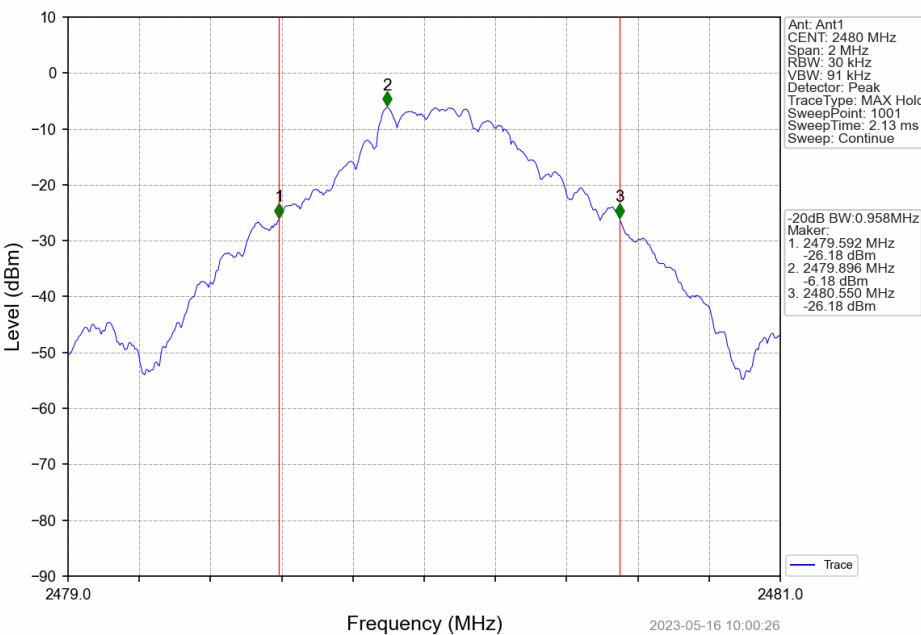
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.953	Pass
		2441	DH5	1	0.956	Pass
		2480	DH5	1	0.958	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.287	Pass
		2441	2DH5	1	1.287	Pass
		2480	2DH5	1	1.287	Pass
8DPSK	SISO	2402	3DH5	1	1.308	Pass
		2441	3DH5	1	1.309	Pass
		2480	3DH5	1	1.309	Pass

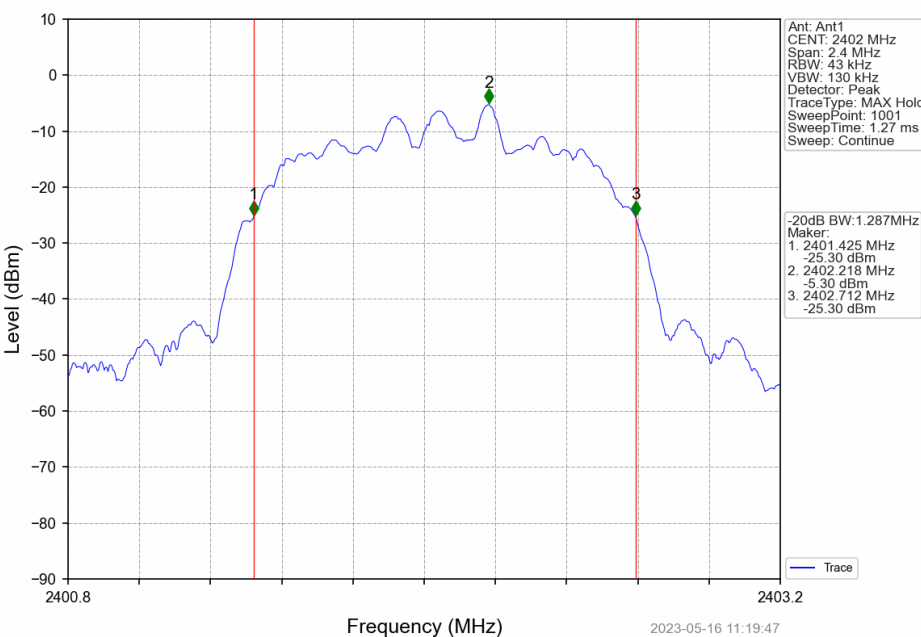
1.2.2 Test Graph

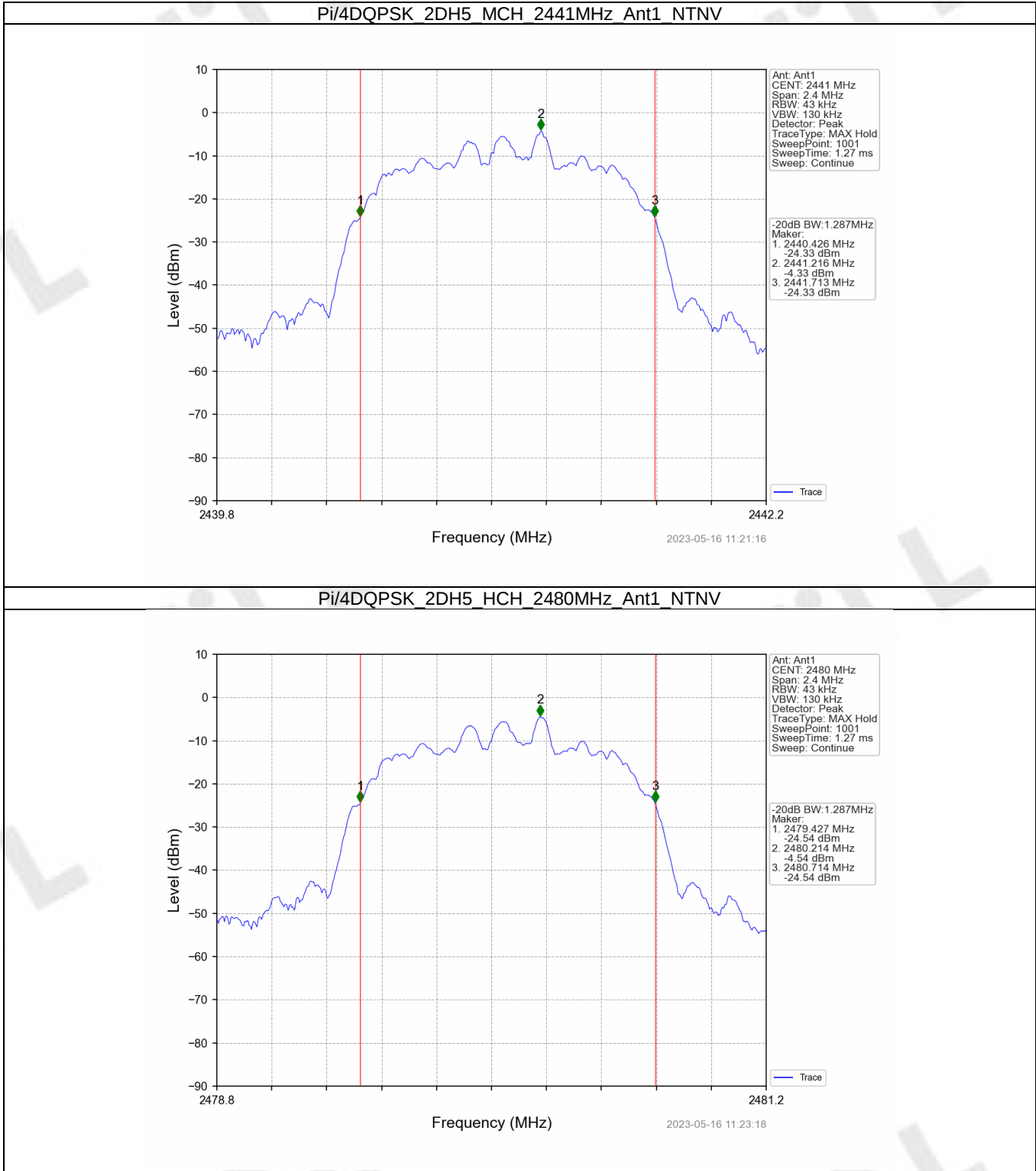


GFSK DH5 HCH 2480MHz Ant1 NTN

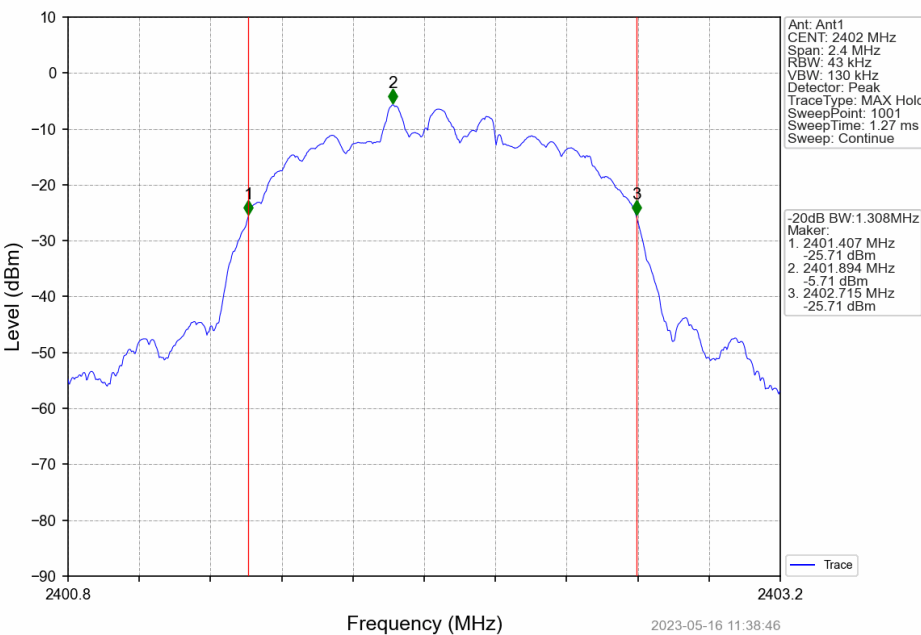


PI/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN

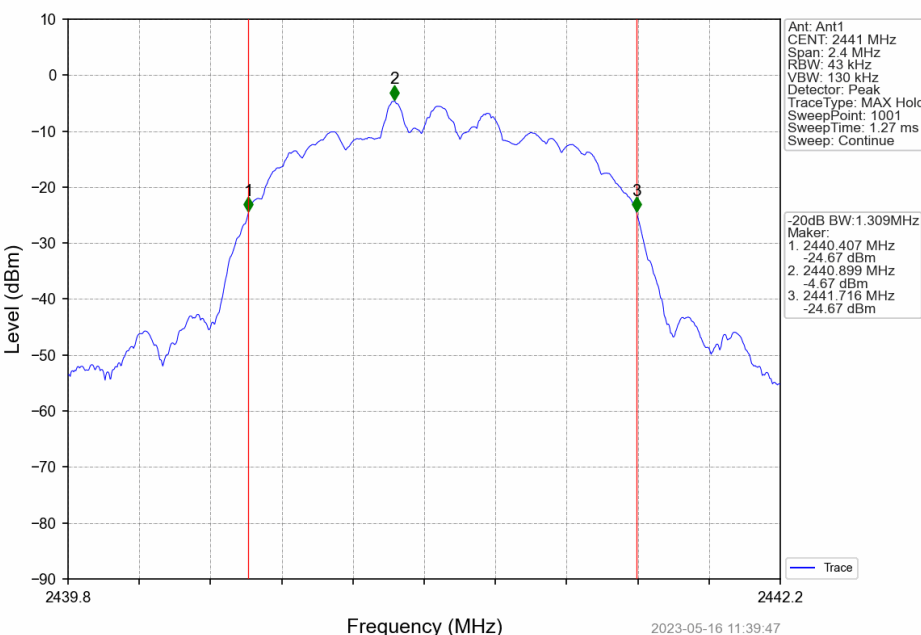


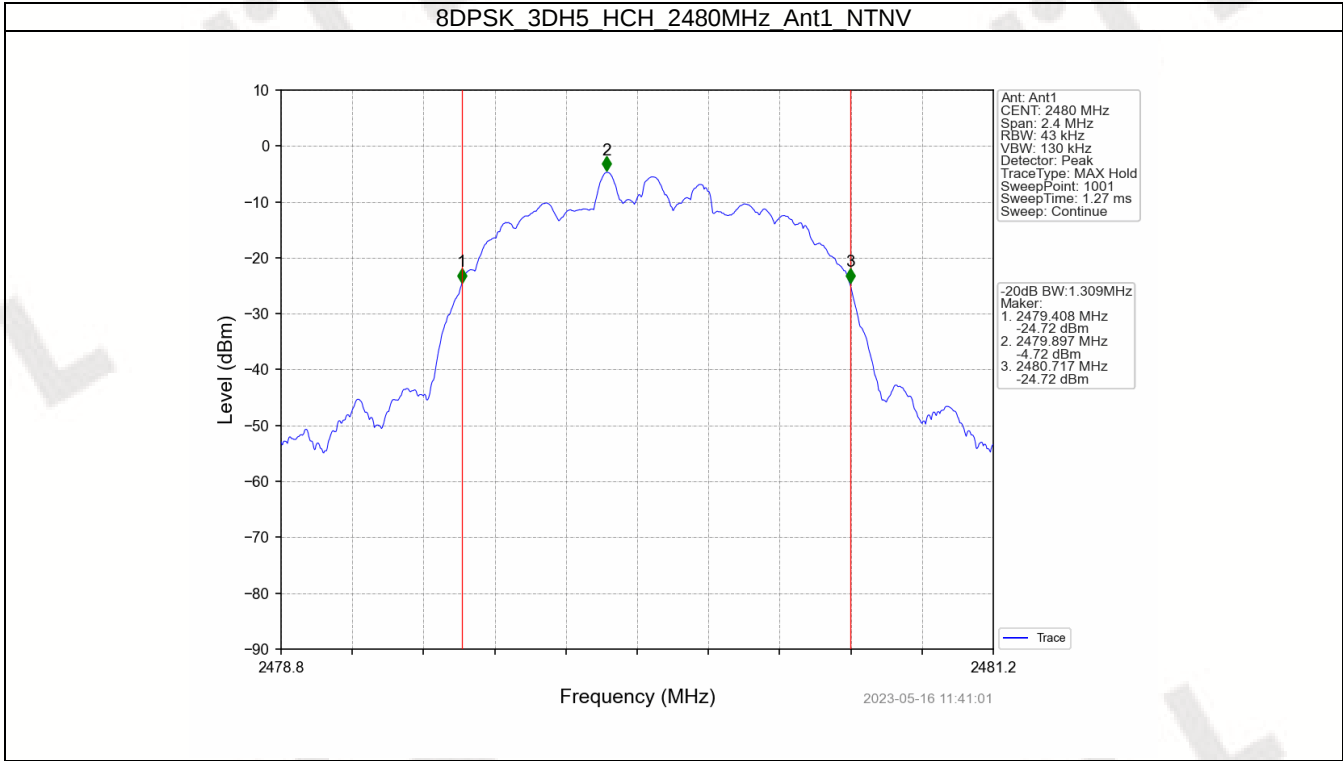


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





2. Maximum Conducted Output Power

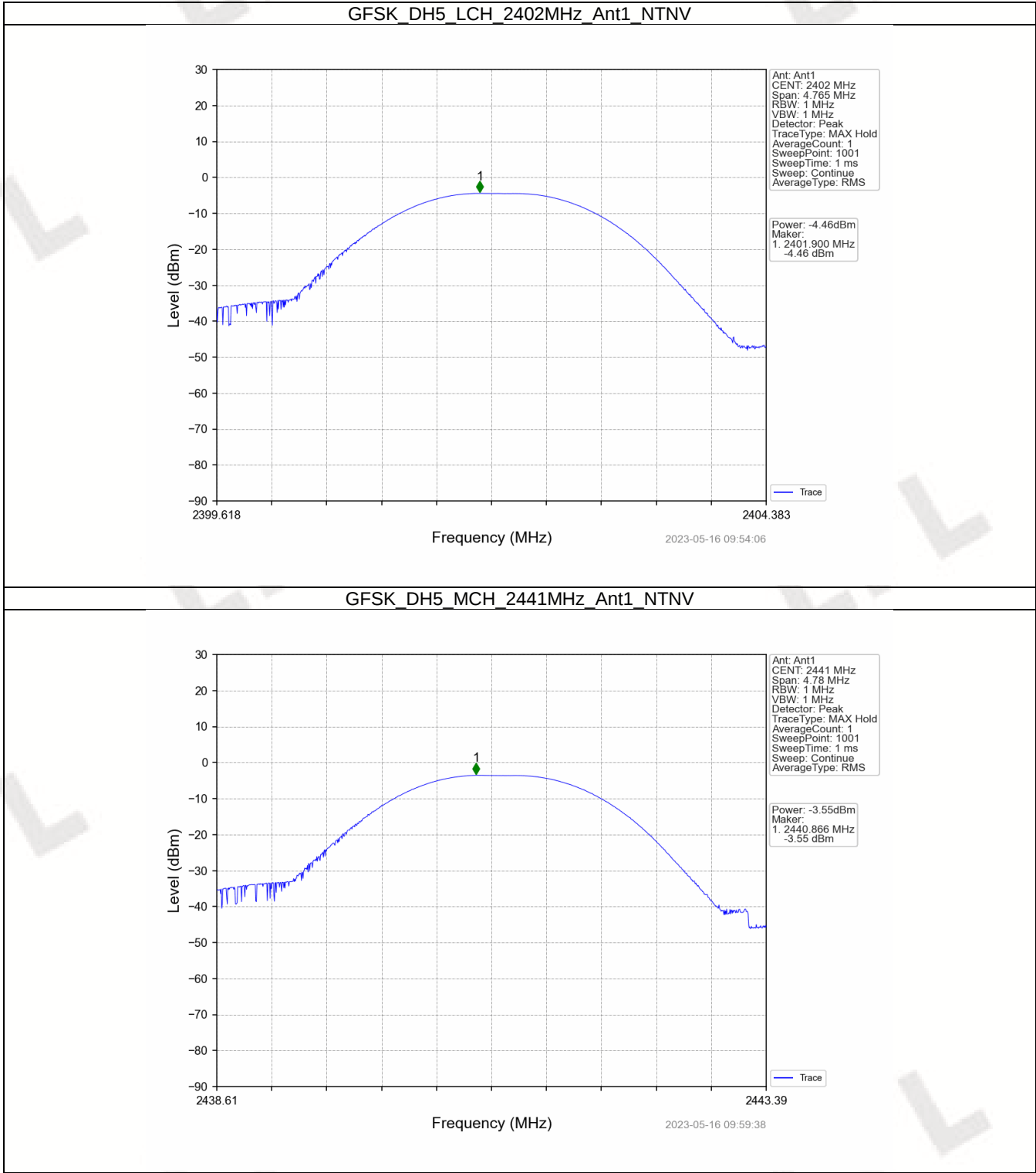
2.1 Power

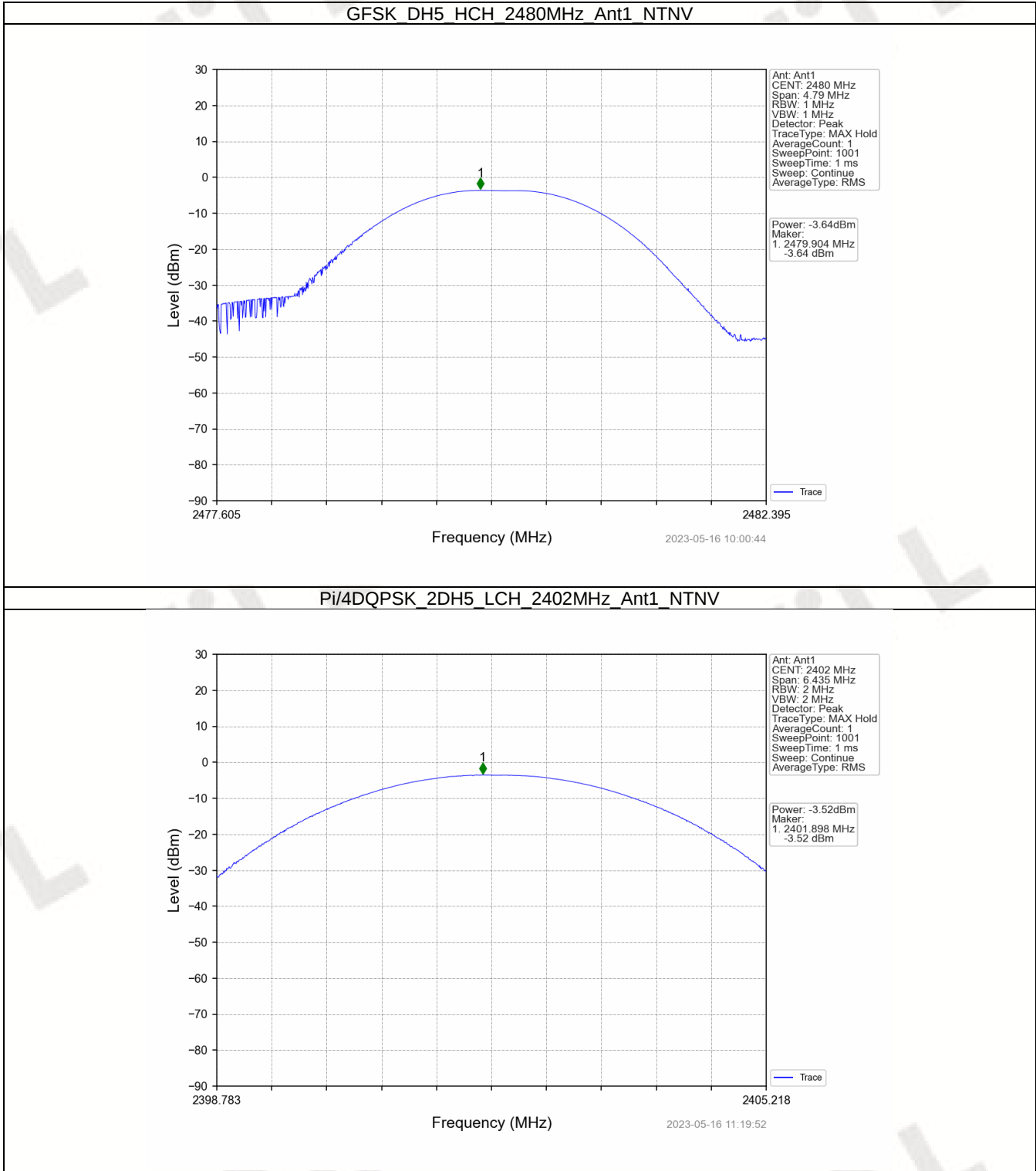
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-4.46	<=30	Pass
		2441	DH5	-3.55	<=30	Pass
		2480	DH5	-3.64	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-3.52	<=20.97	Pass
		2441	2DH5	-2.59	<=20.97	Pass
		2480	2DH5	-2.70	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-3.12	<=20.97	Pass
		2441	3DH5	-2.11	<=20.97	Pass
		2480	3DH5	-2.18	<=20.97	Pass

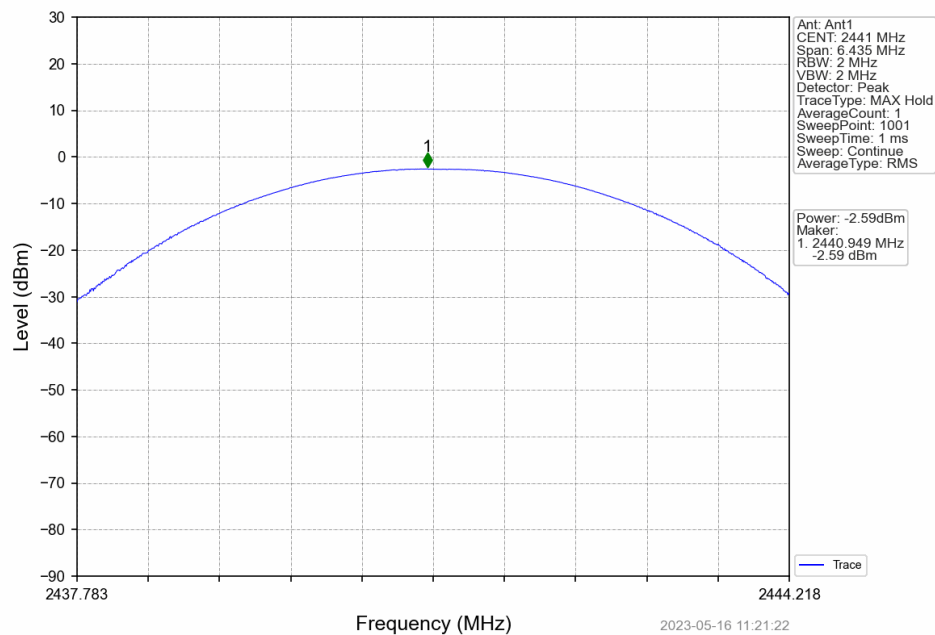
Note1: Antenna Gain: Ant1: -0.58dBi;

2.1.2 Test Graph

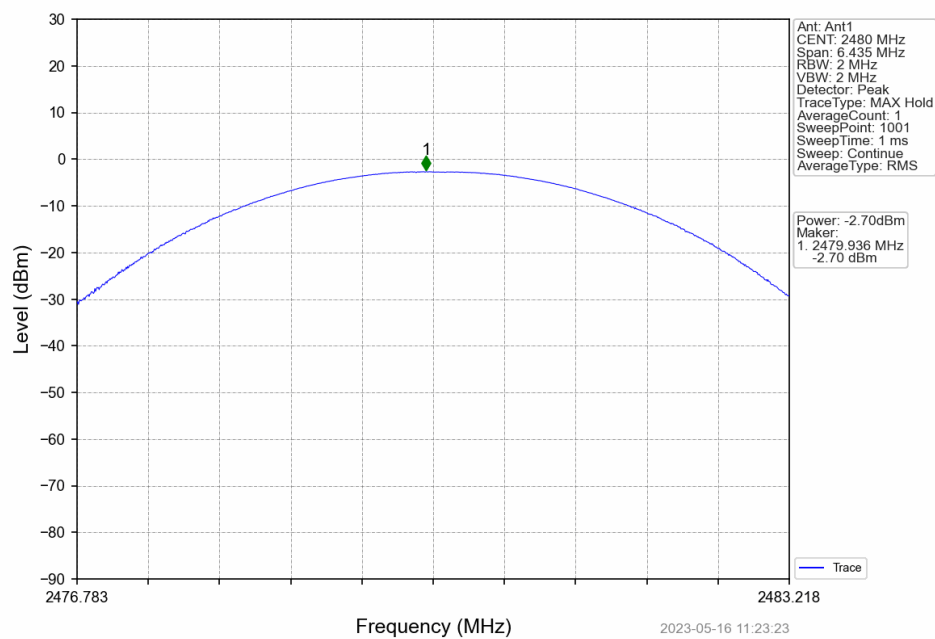




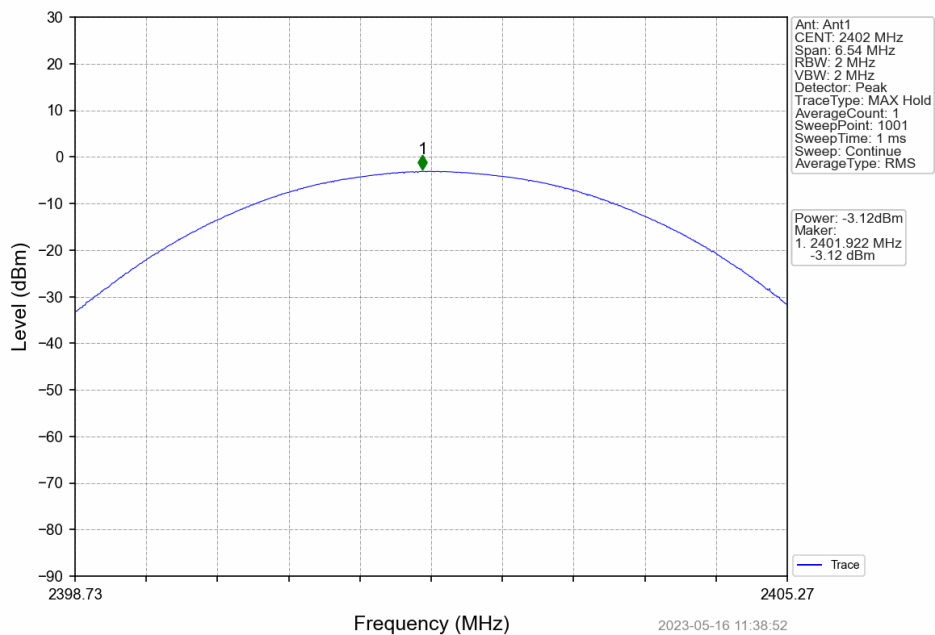
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



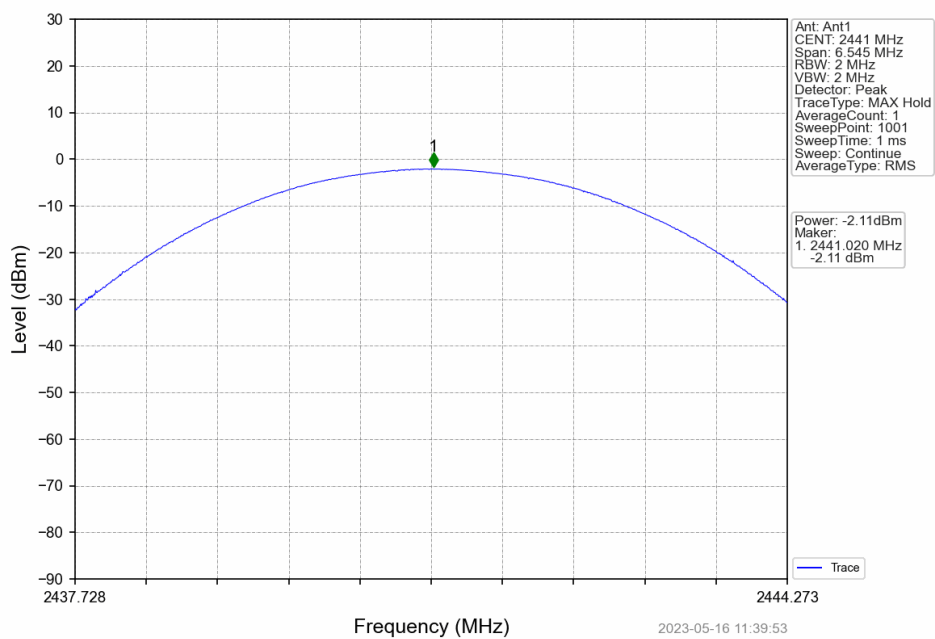
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

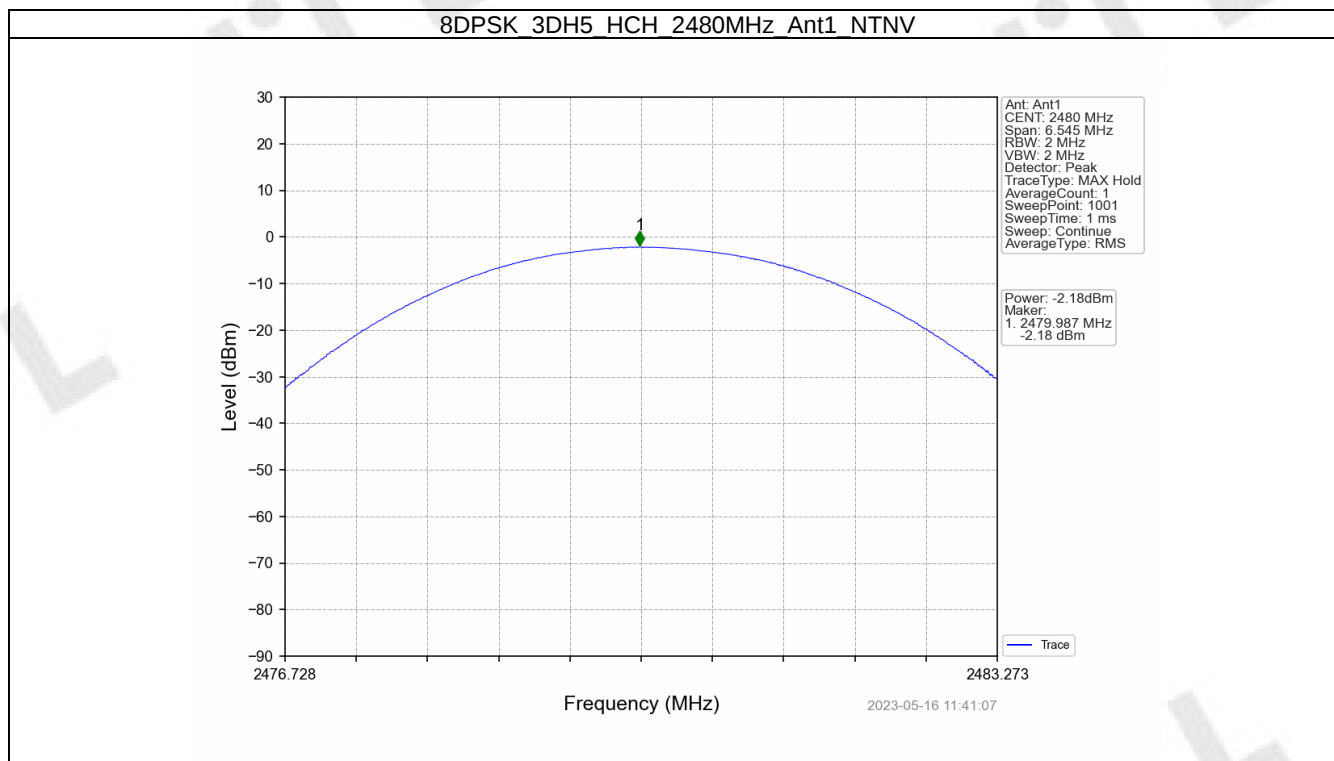


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





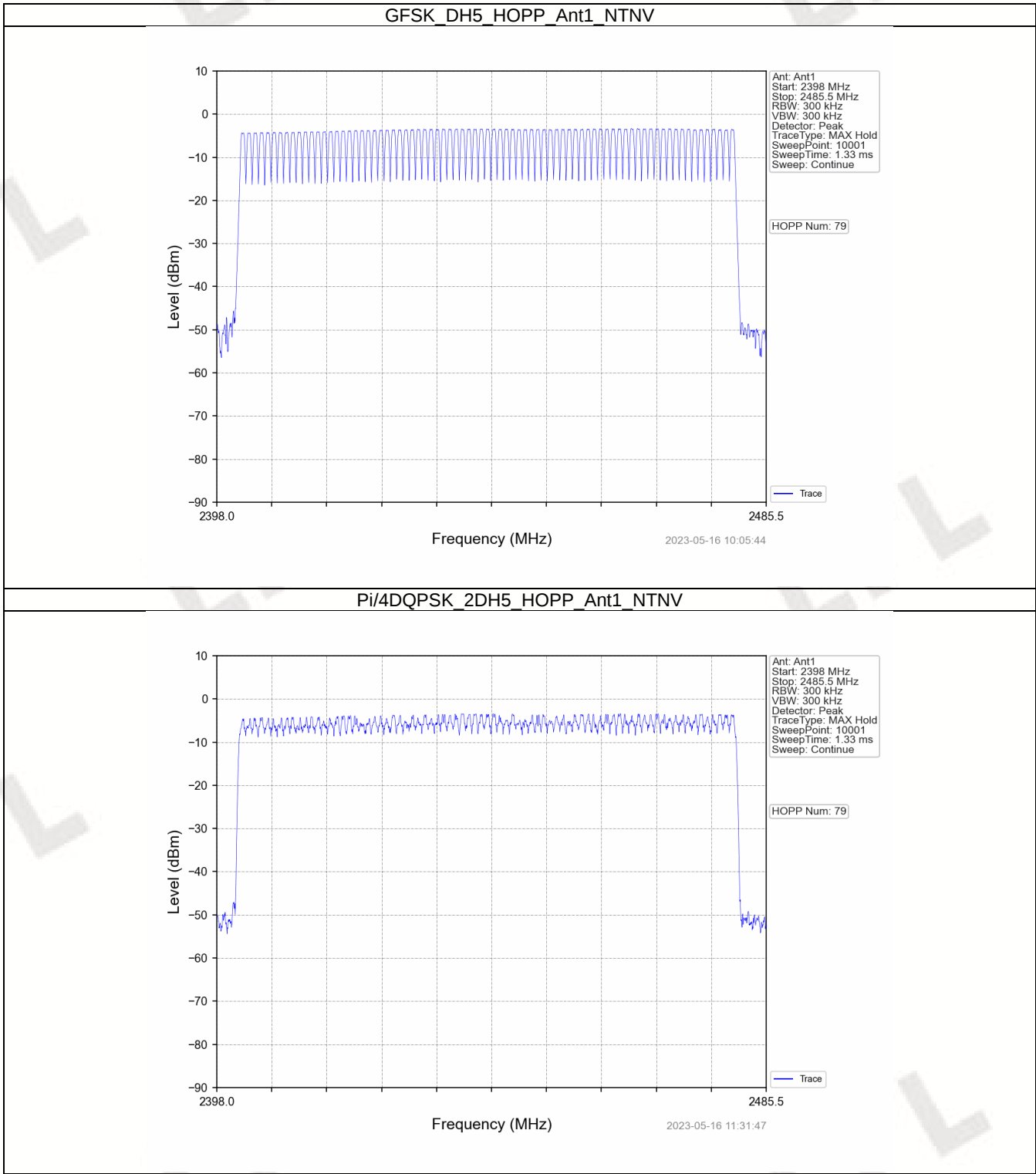
3. Number of Hopping Frequencies

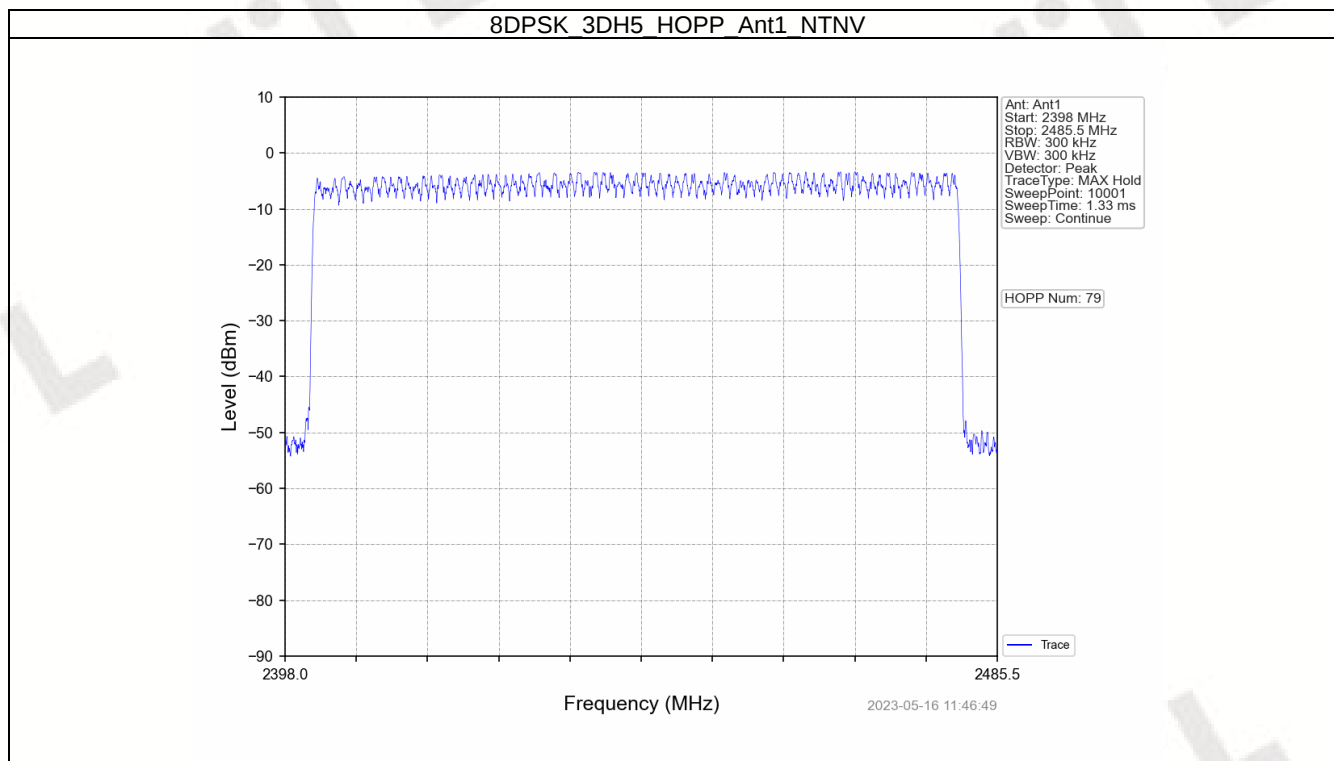
3.1 HoppNum

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

3.1.2 Test Graph





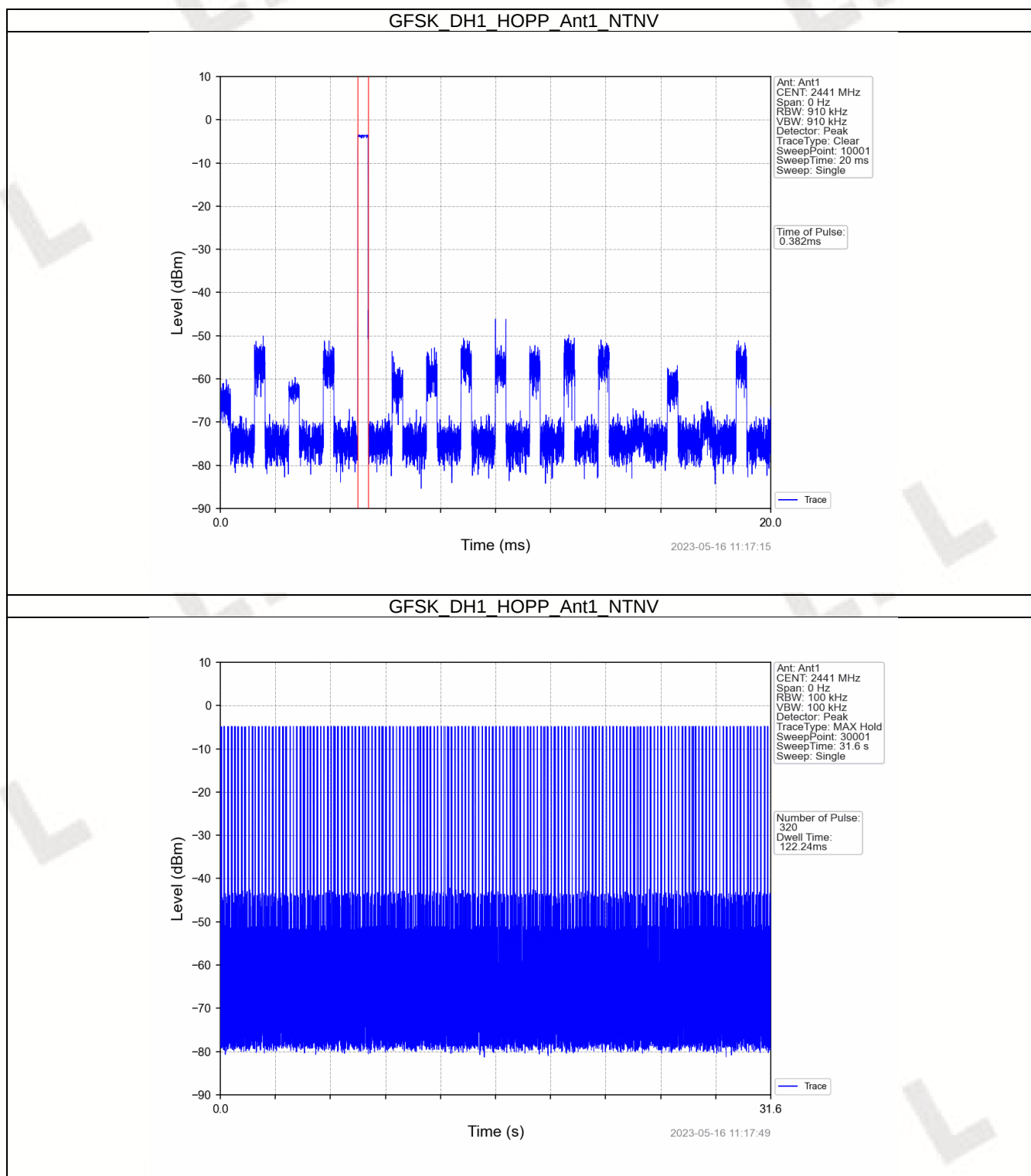
4. Time of Occupancy (Dwell Time)

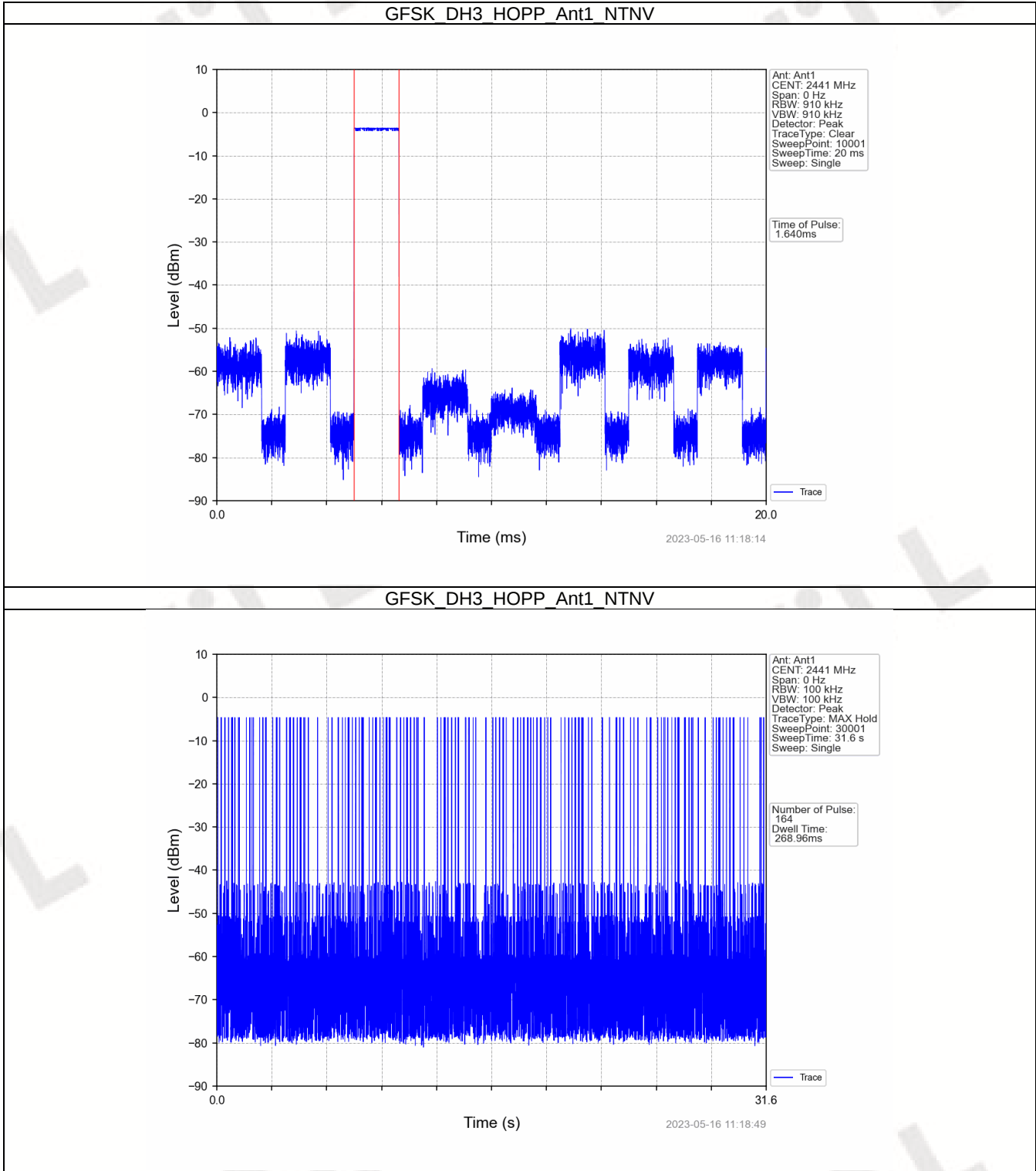
4.1 Ant1

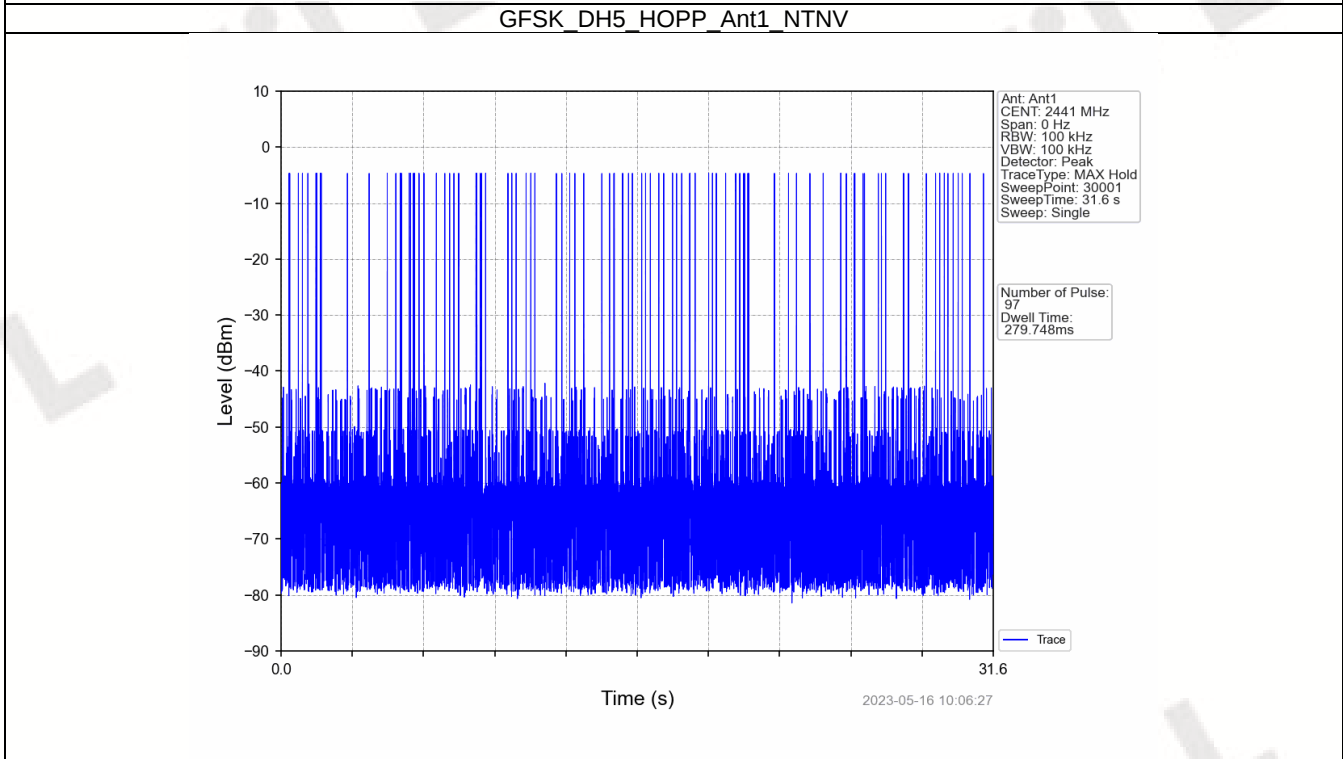
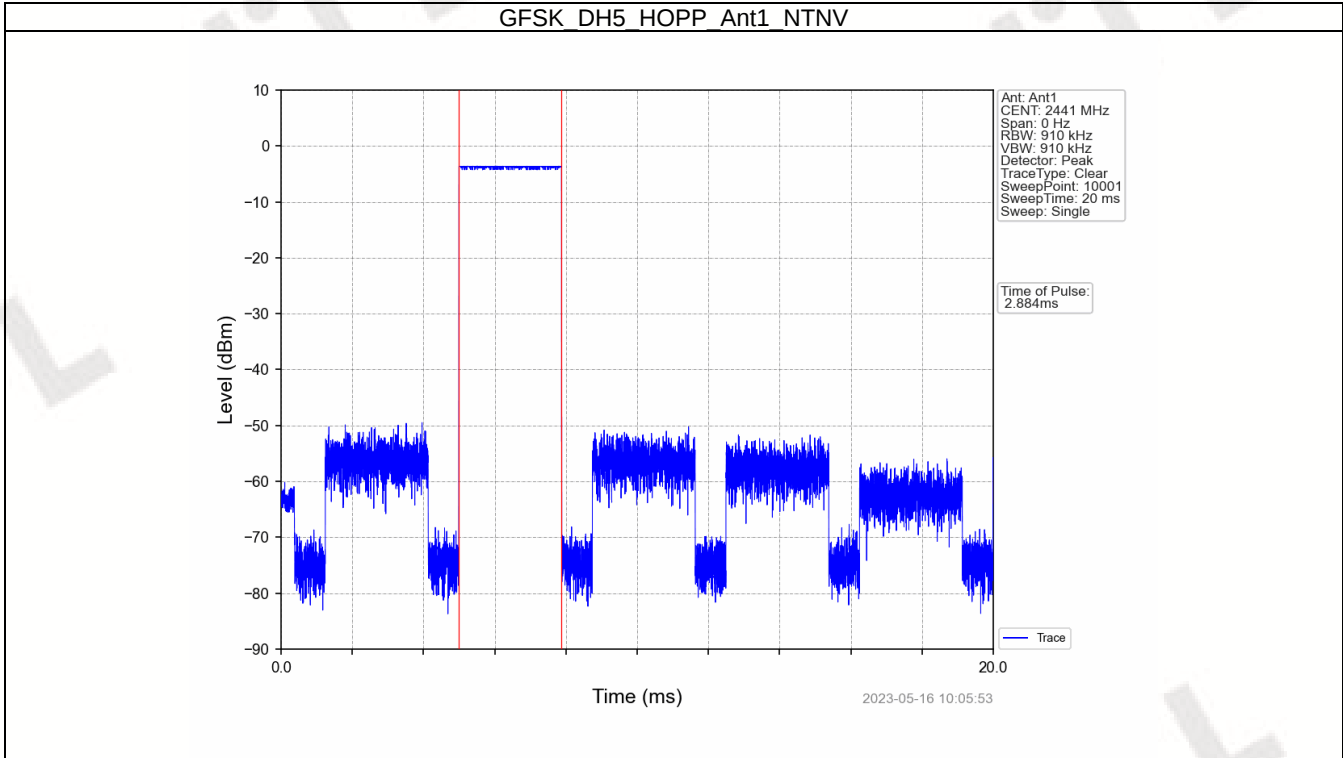
4.1.1 Test Result

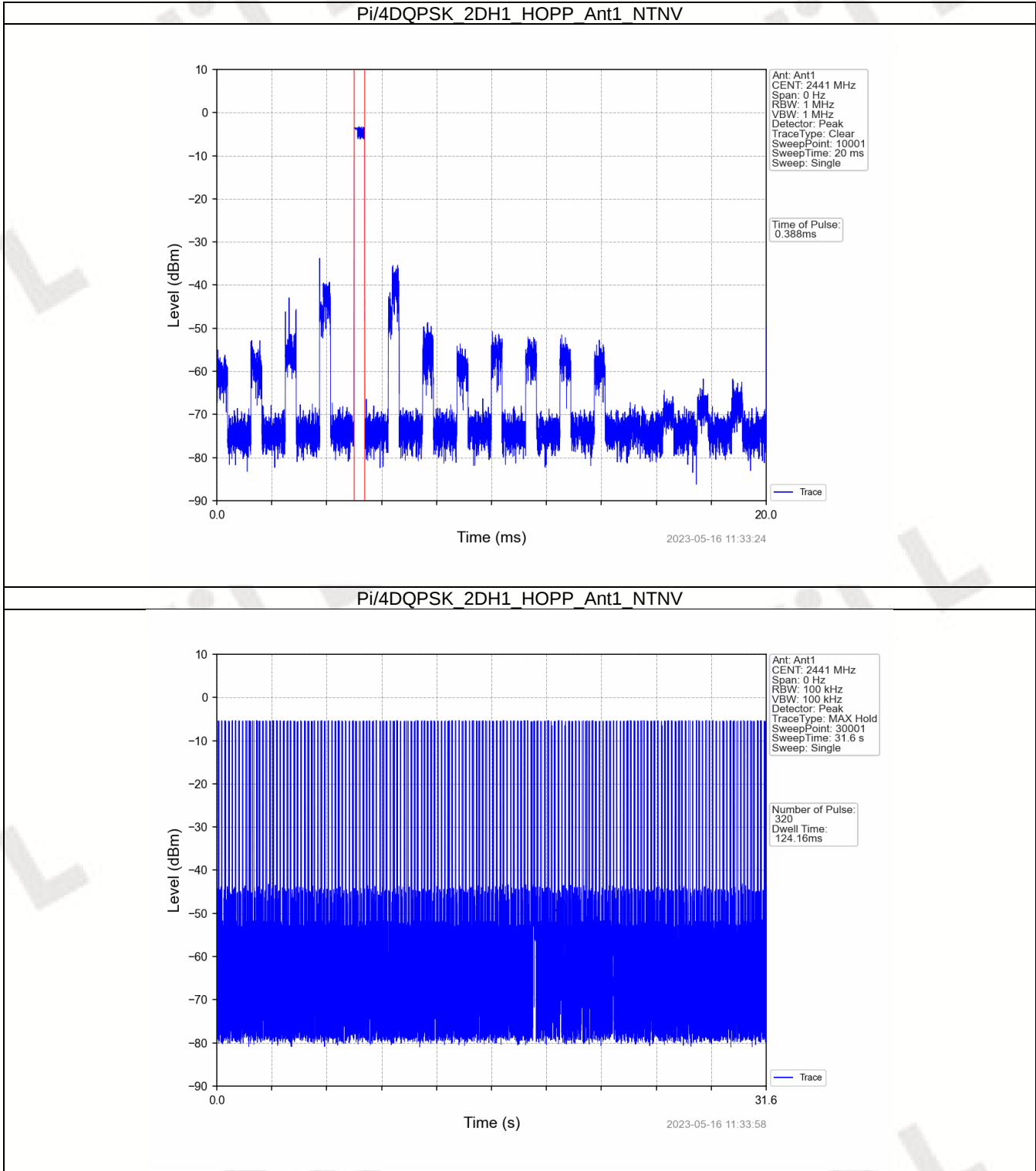
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.382	31.600	320	122.240	<=400	Pass
			DH3	1.640	31.600	164	268.960	<=400	Pass
			DH5	2.884	31.600	97	279.748	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass
			2DH3	1.640	31.600	158	259.120	<=400	Pass
			2DH5	2.888	31.600	104	300.352	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.640	31.600	161	264.040	<=400	Pass
			3DH5	2.894	31.600	116	335.704	<=400	Pass

4.1.2 Test Graph

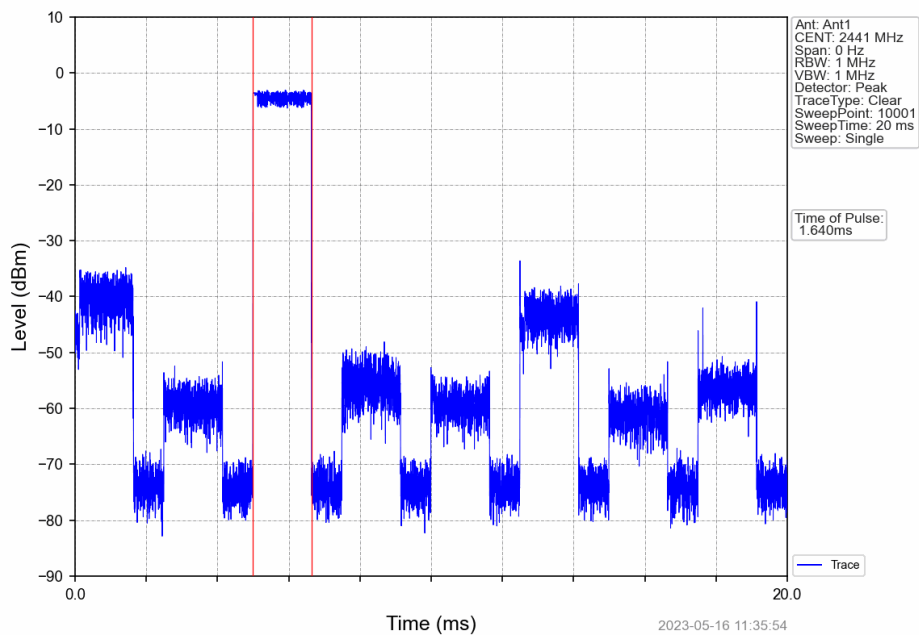




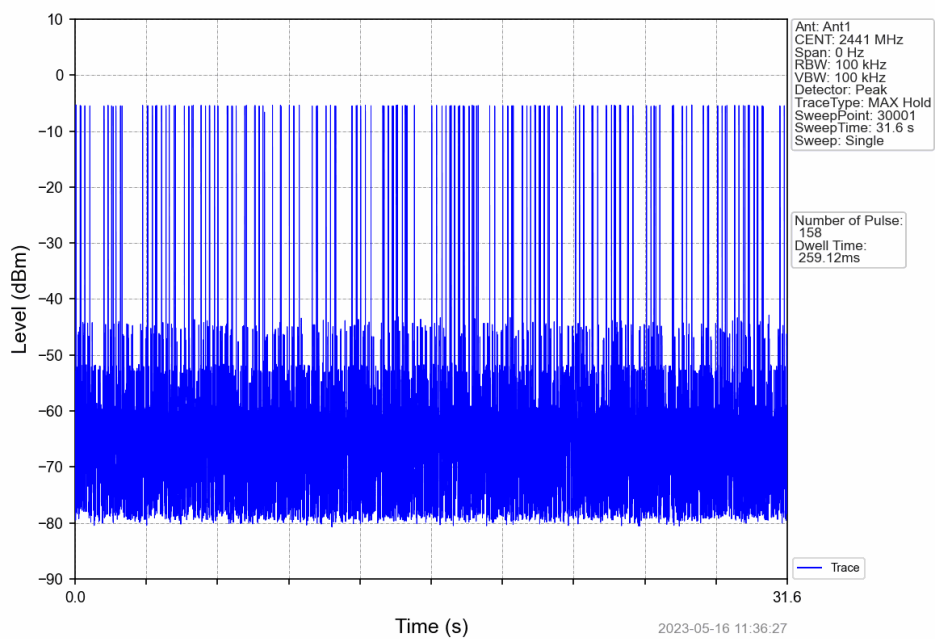




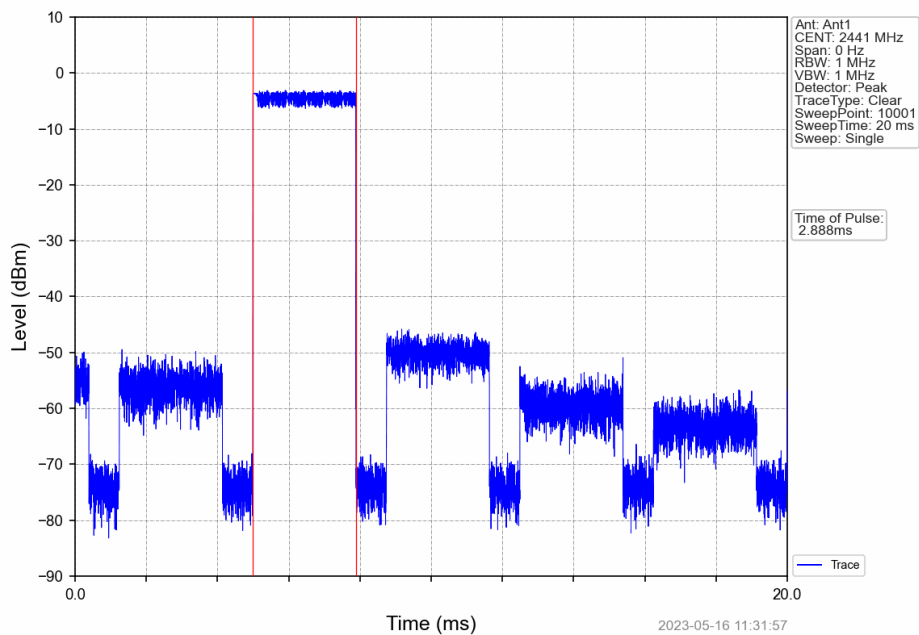
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



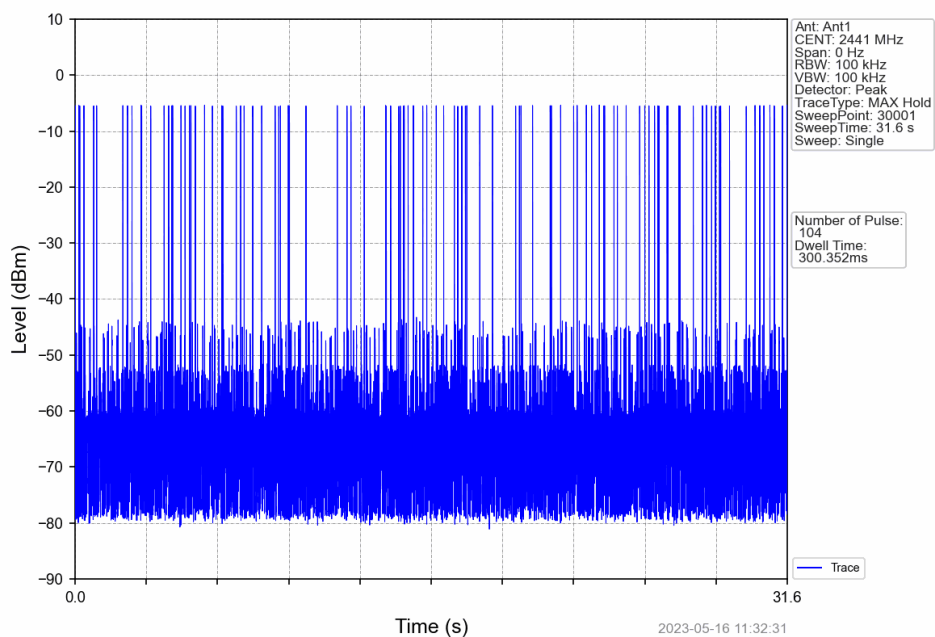
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV

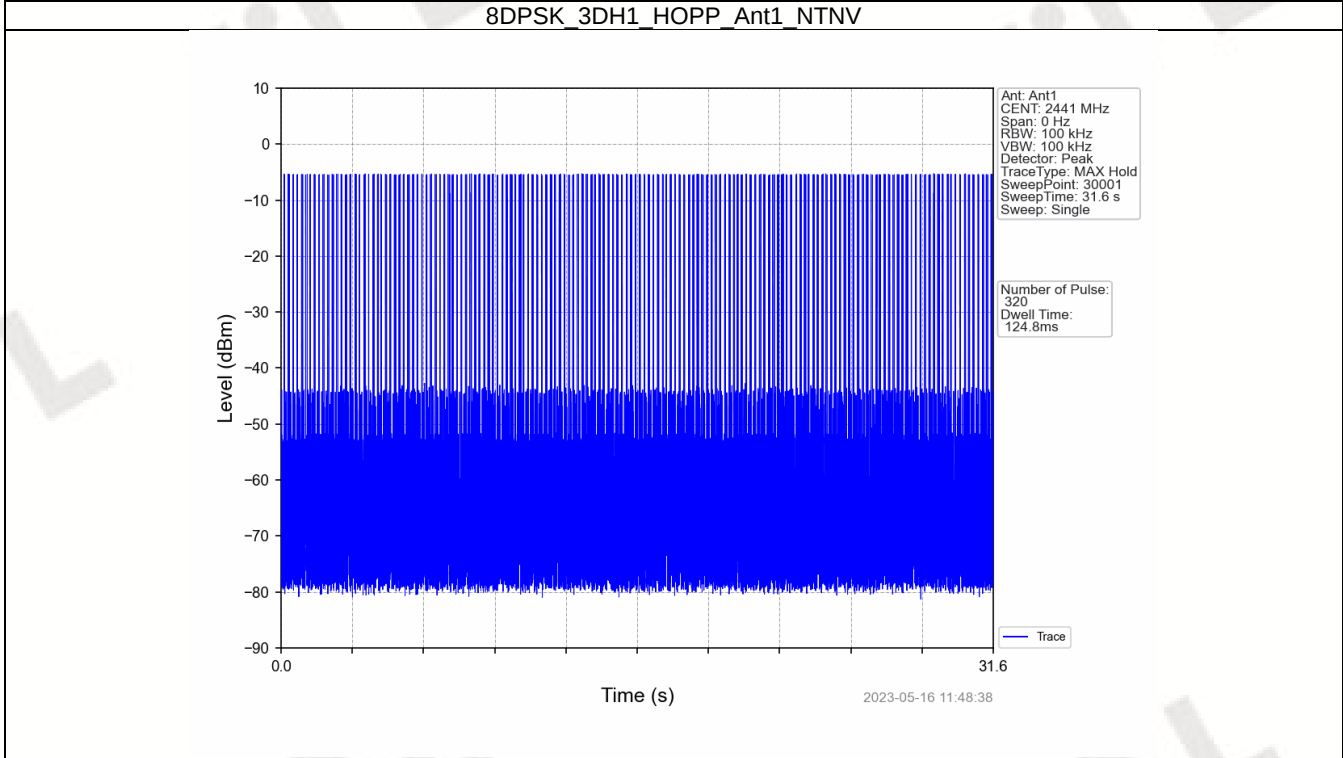
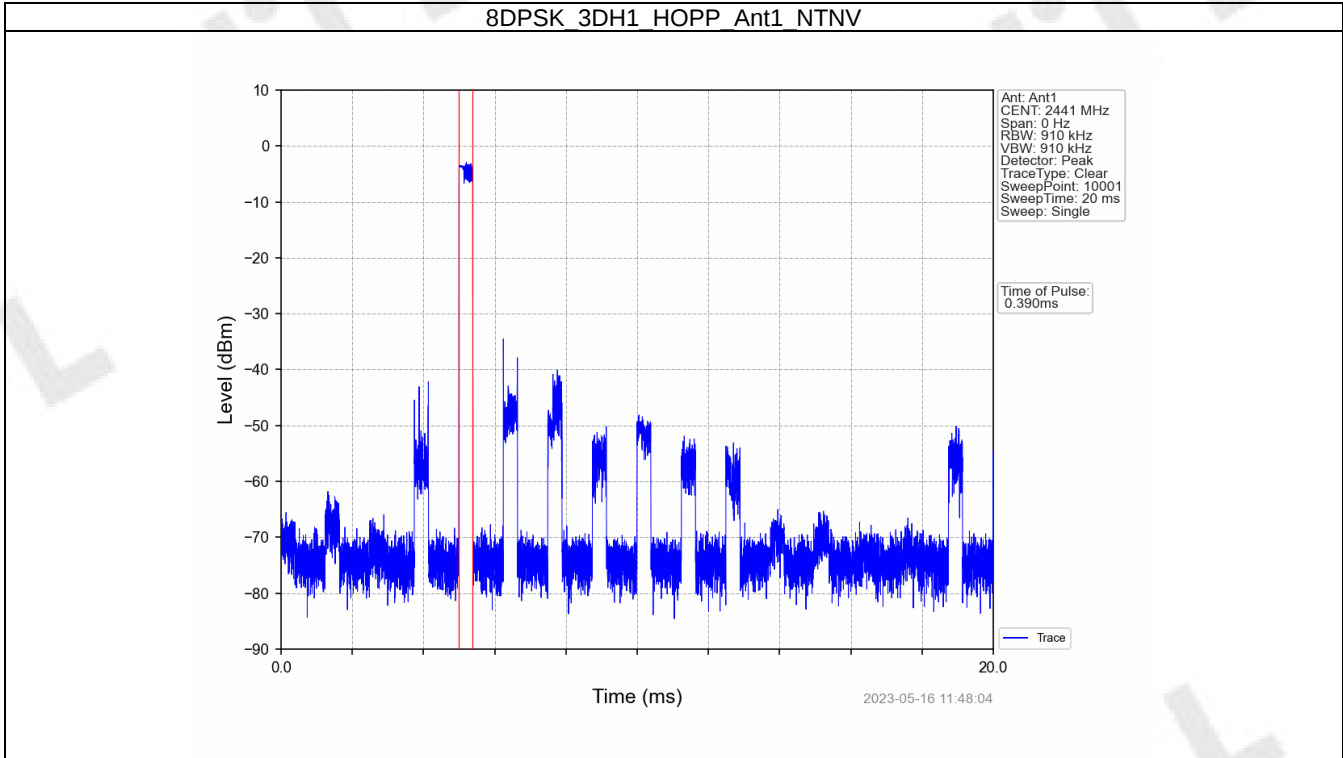


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

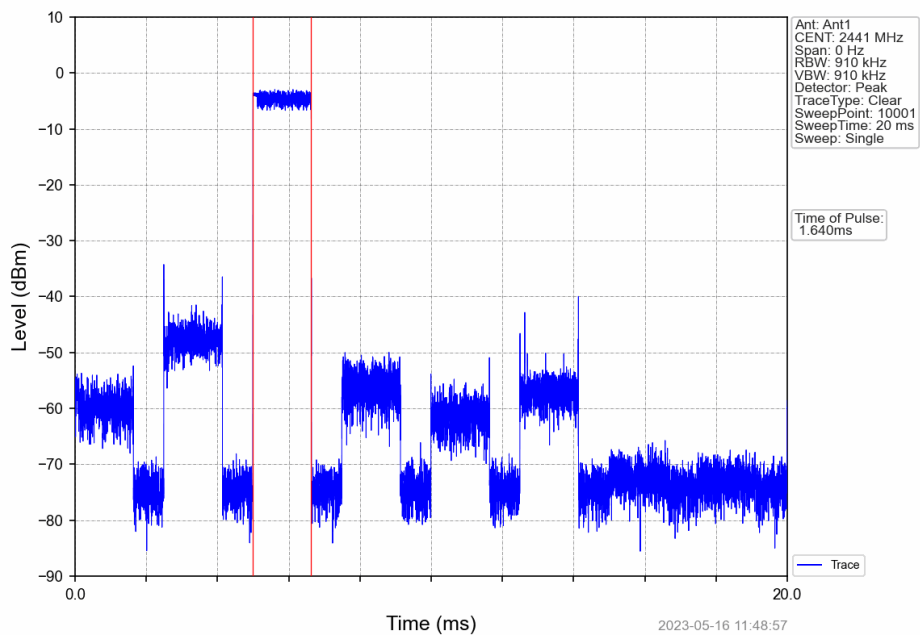


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

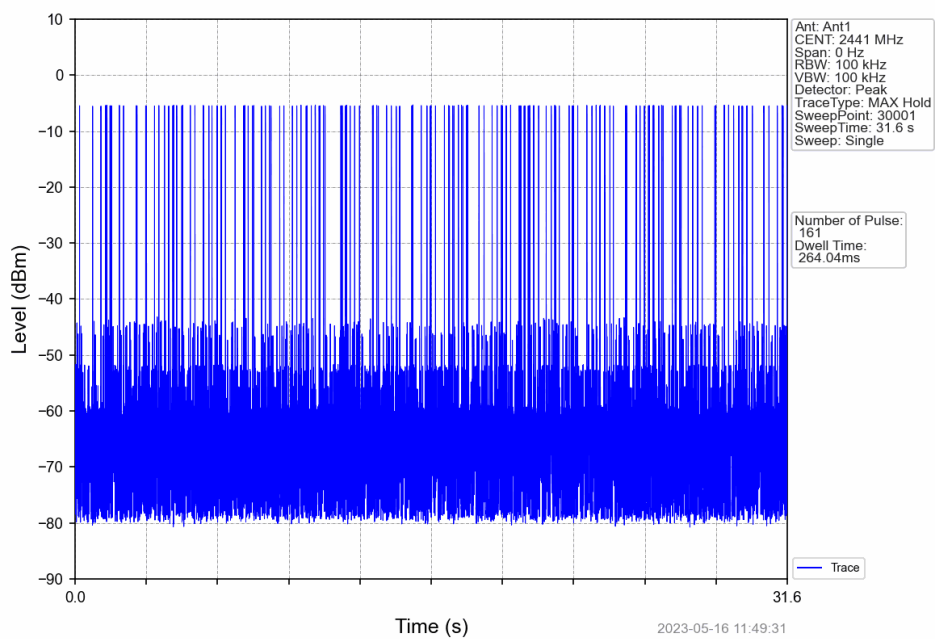




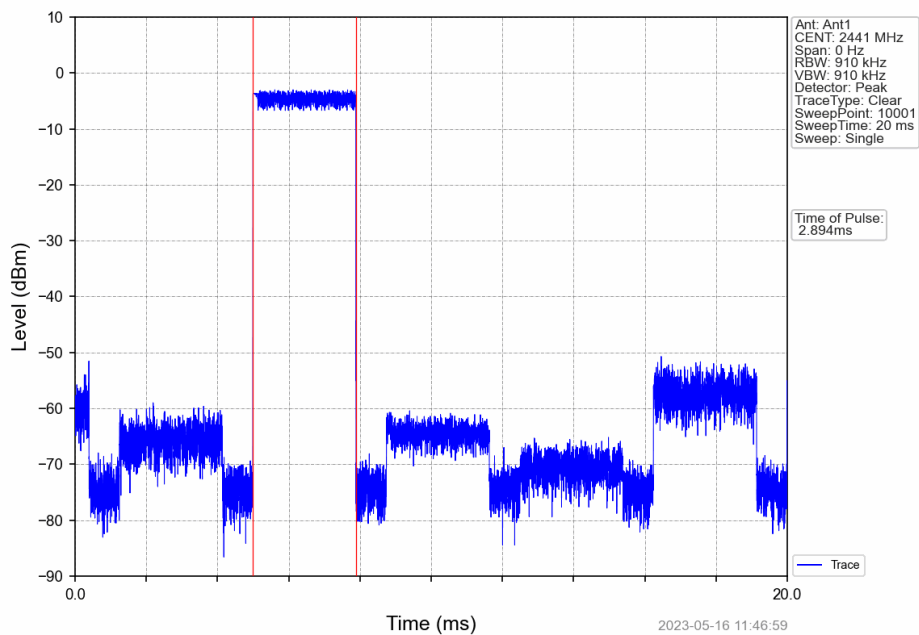
8DPSK 3DH3 HOPP Ant1 NTN



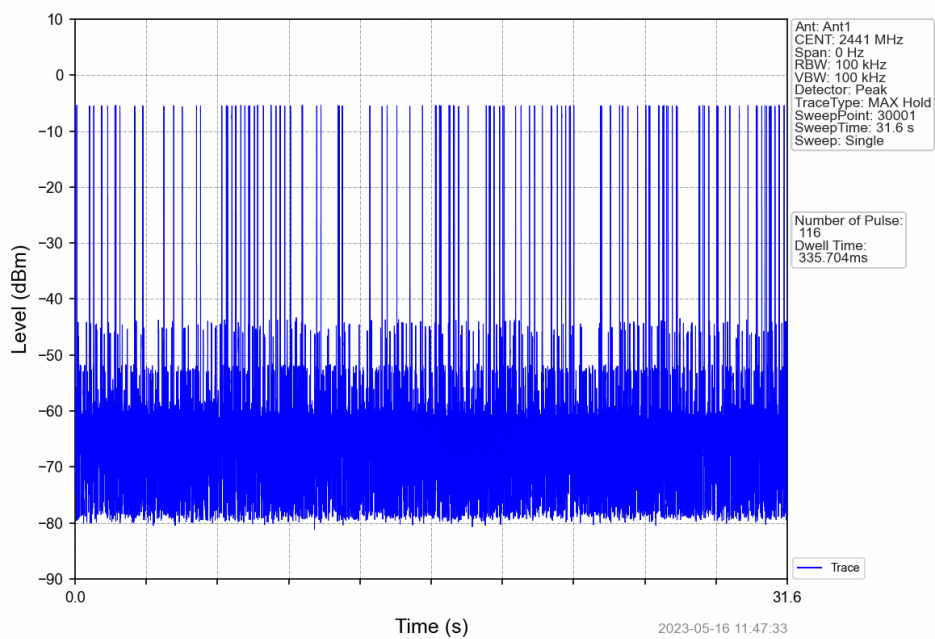
8DPSK 3DH3 HOPP Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN



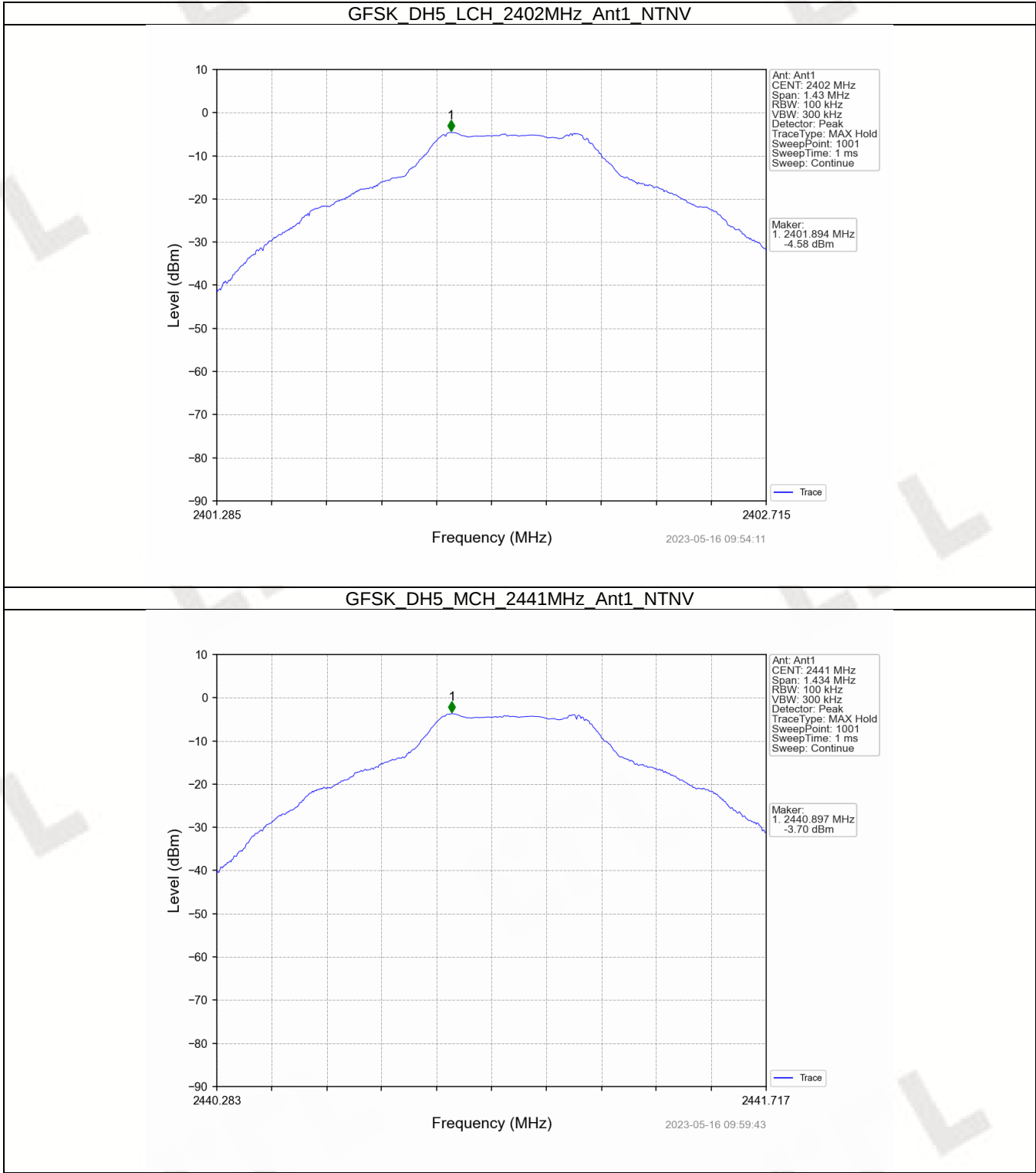
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

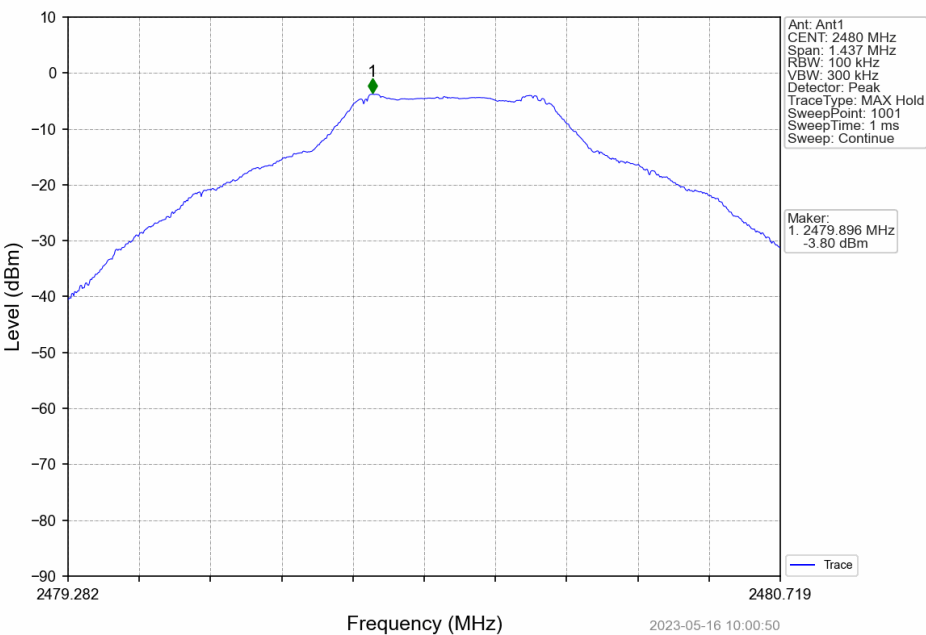
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-4.58
		2441	DH5	1	-3.70
		2480	DH5	1	-3.80
Pi/4DQPSK	SISO	2402	2DH5	1	-4.66
		2441	2DH5	1	-3.72
		2480	2DH5	1	-3.82
8DPSK	SISO	2402	3DH5	1	-4.63
		2441	3DH5	1	-3.61
		2480	3DH5	1	-3.66
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.					

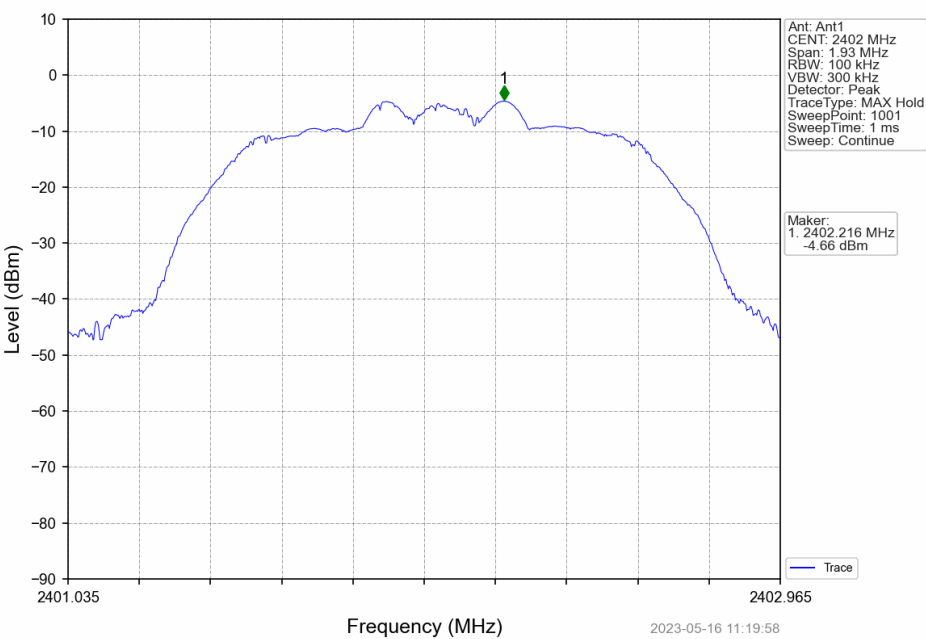
5.1.2 Test Graph



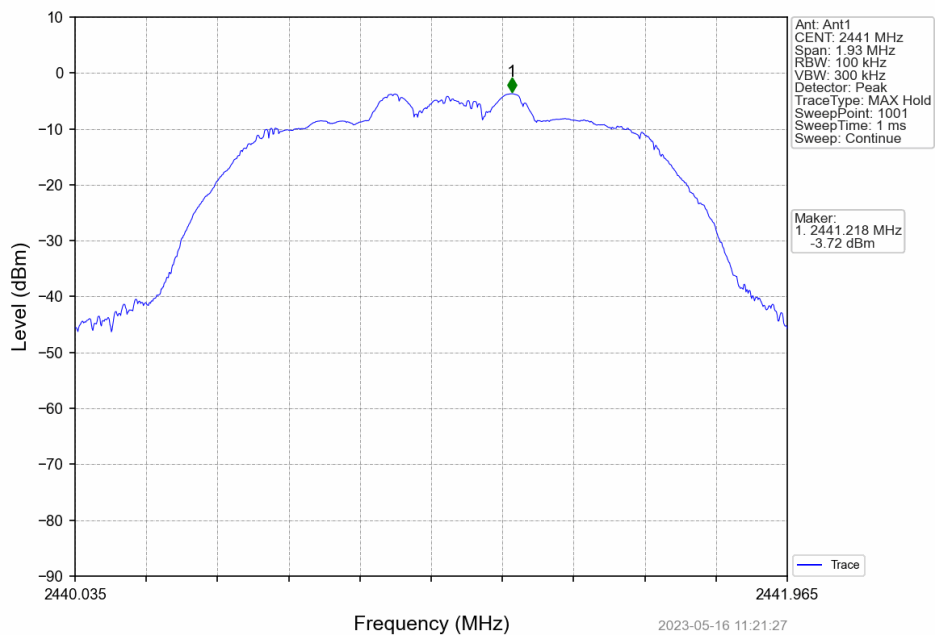
GFSK DH5 HCH 2480MHz Ant1 NTN



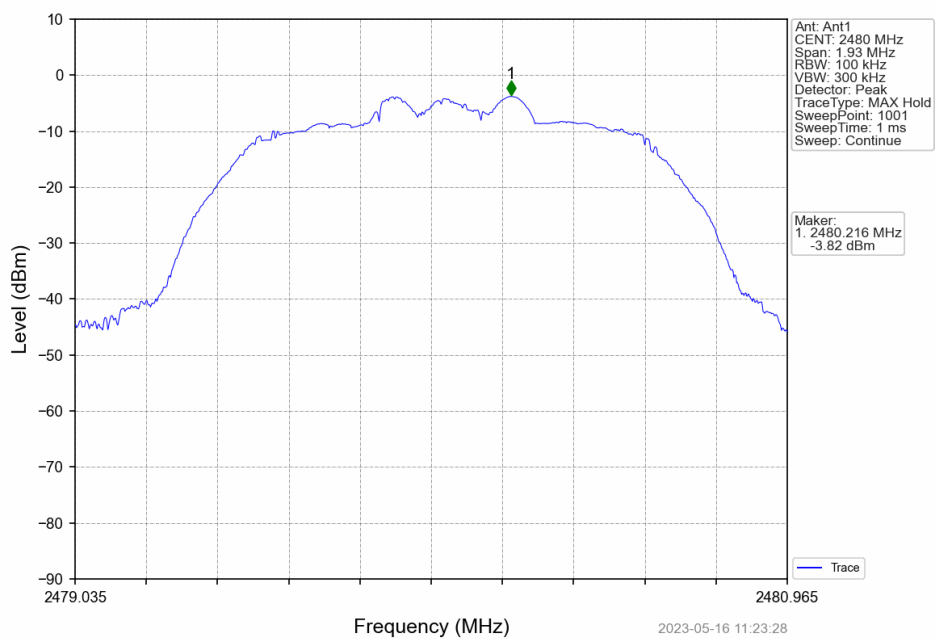
PI/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



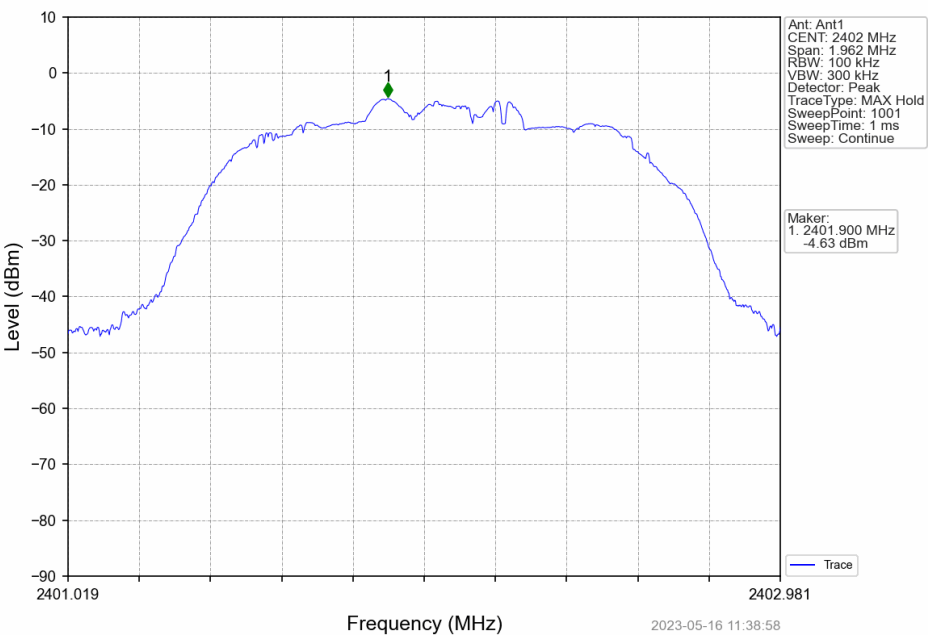
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



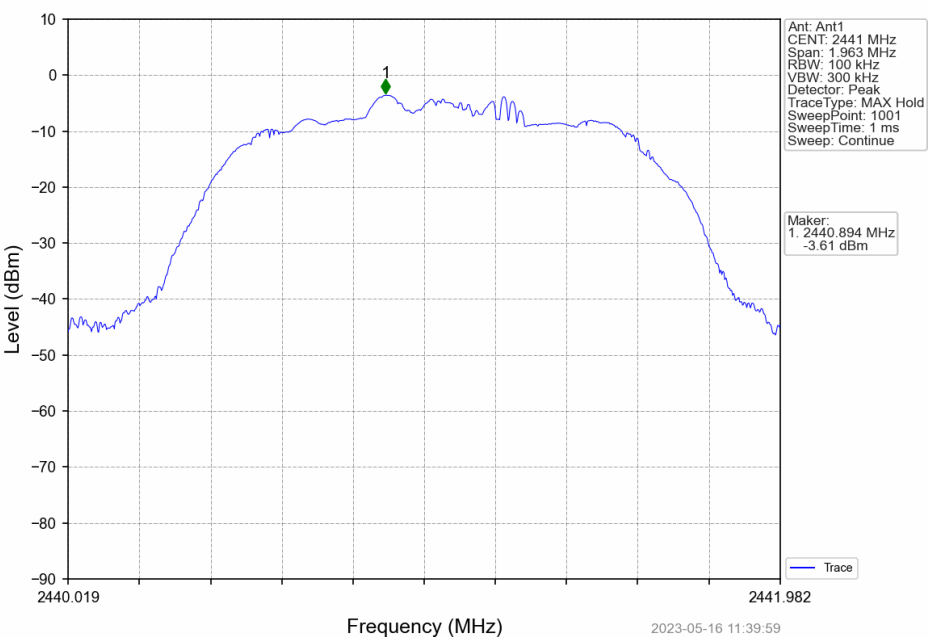
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

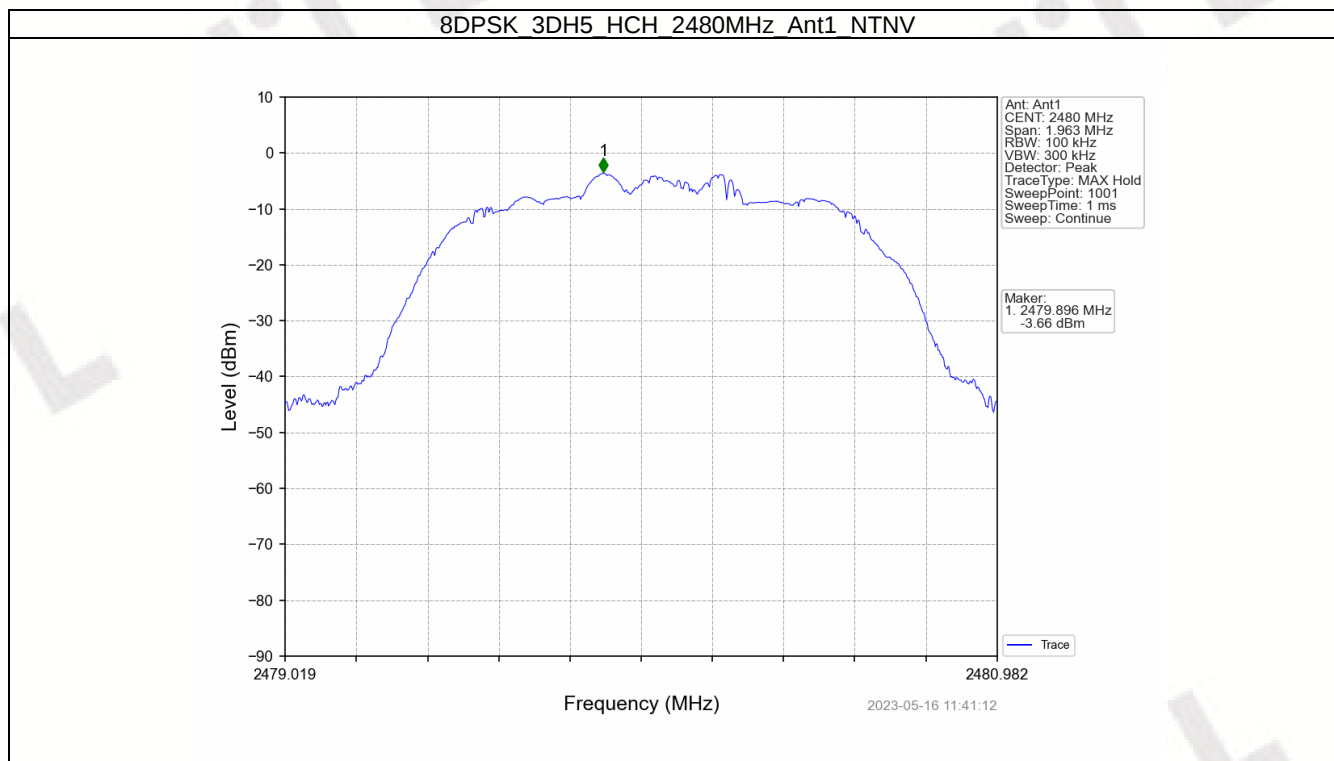


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





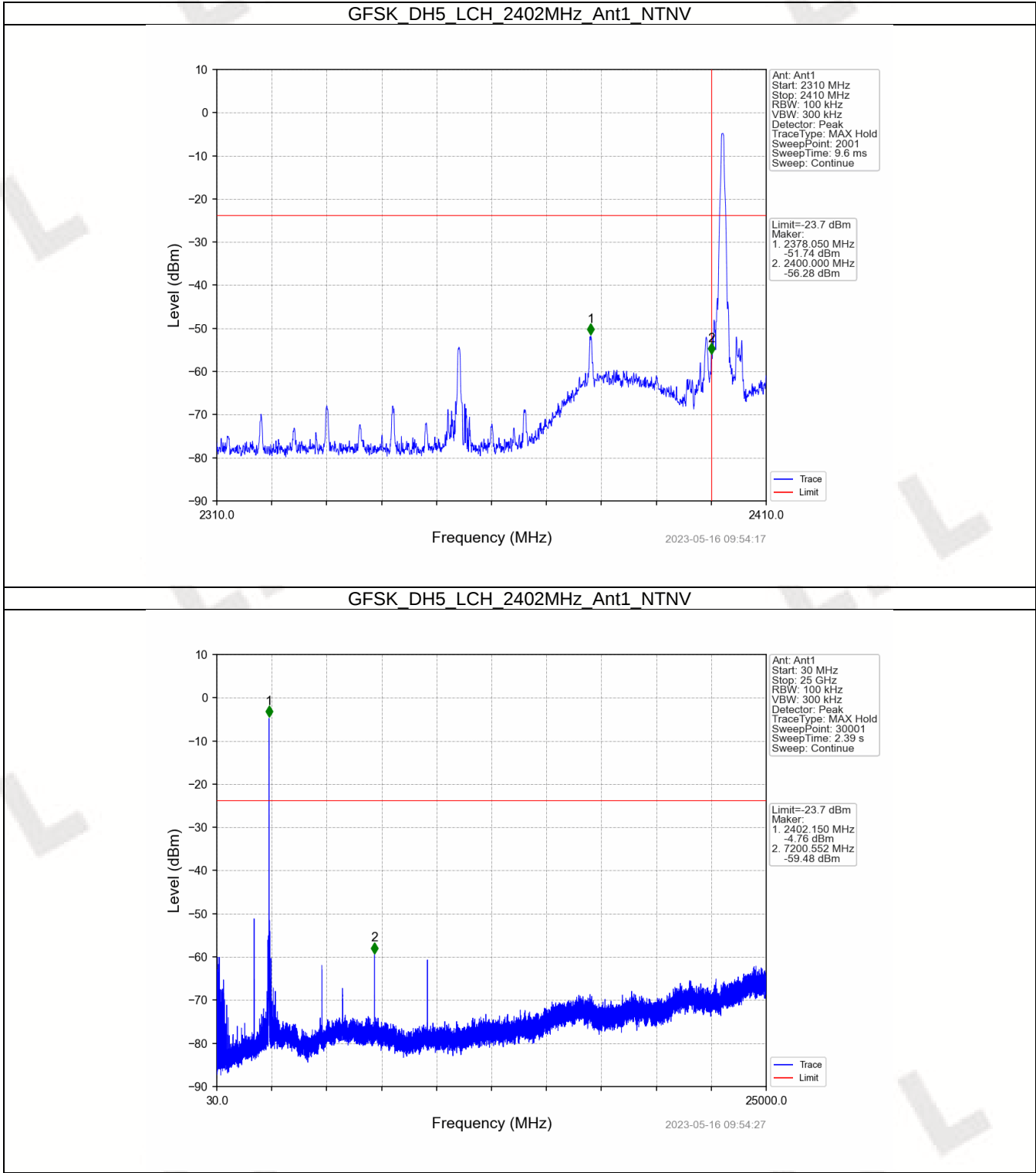
5.2 CSE

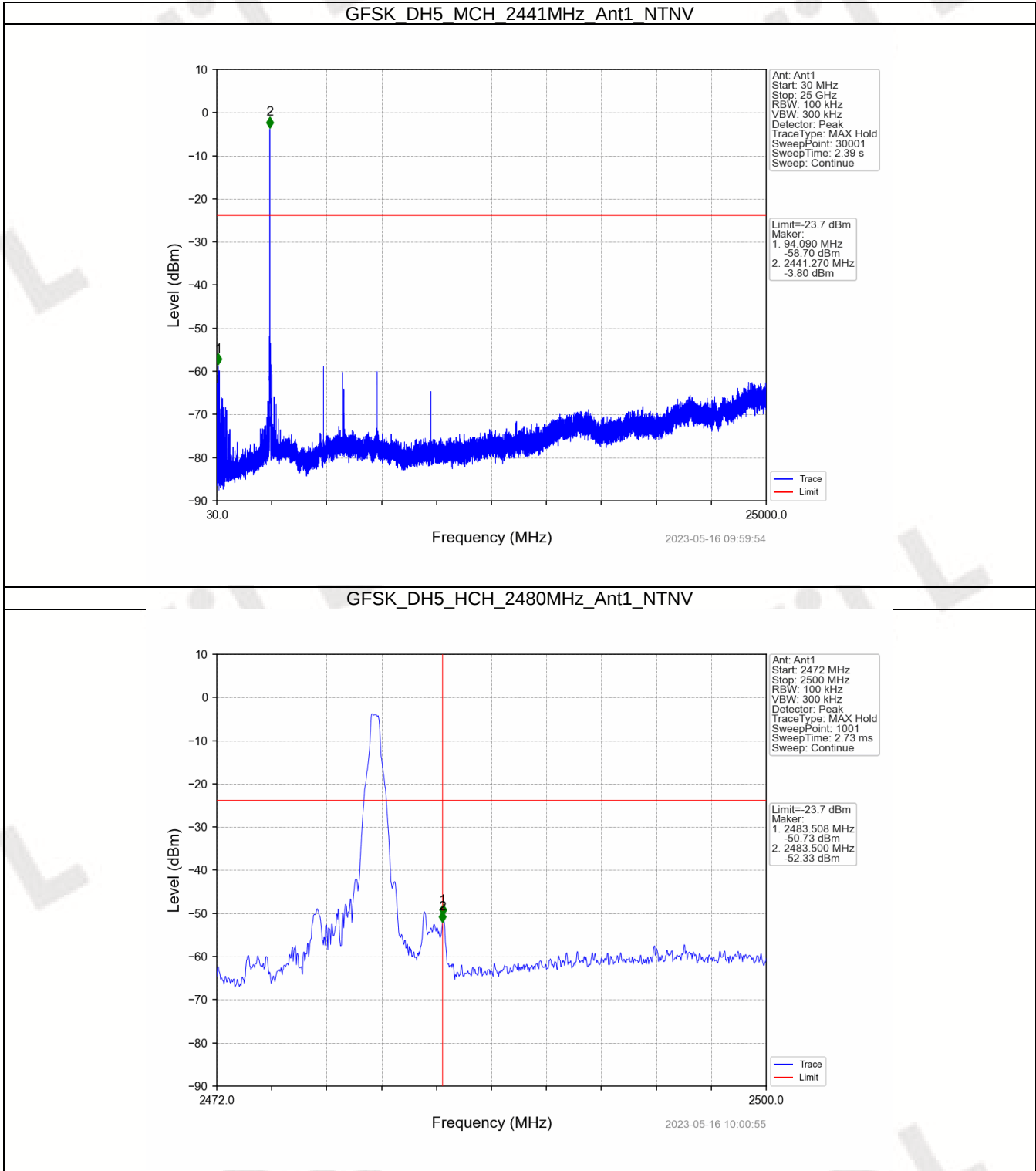
5.2.1 Test Result

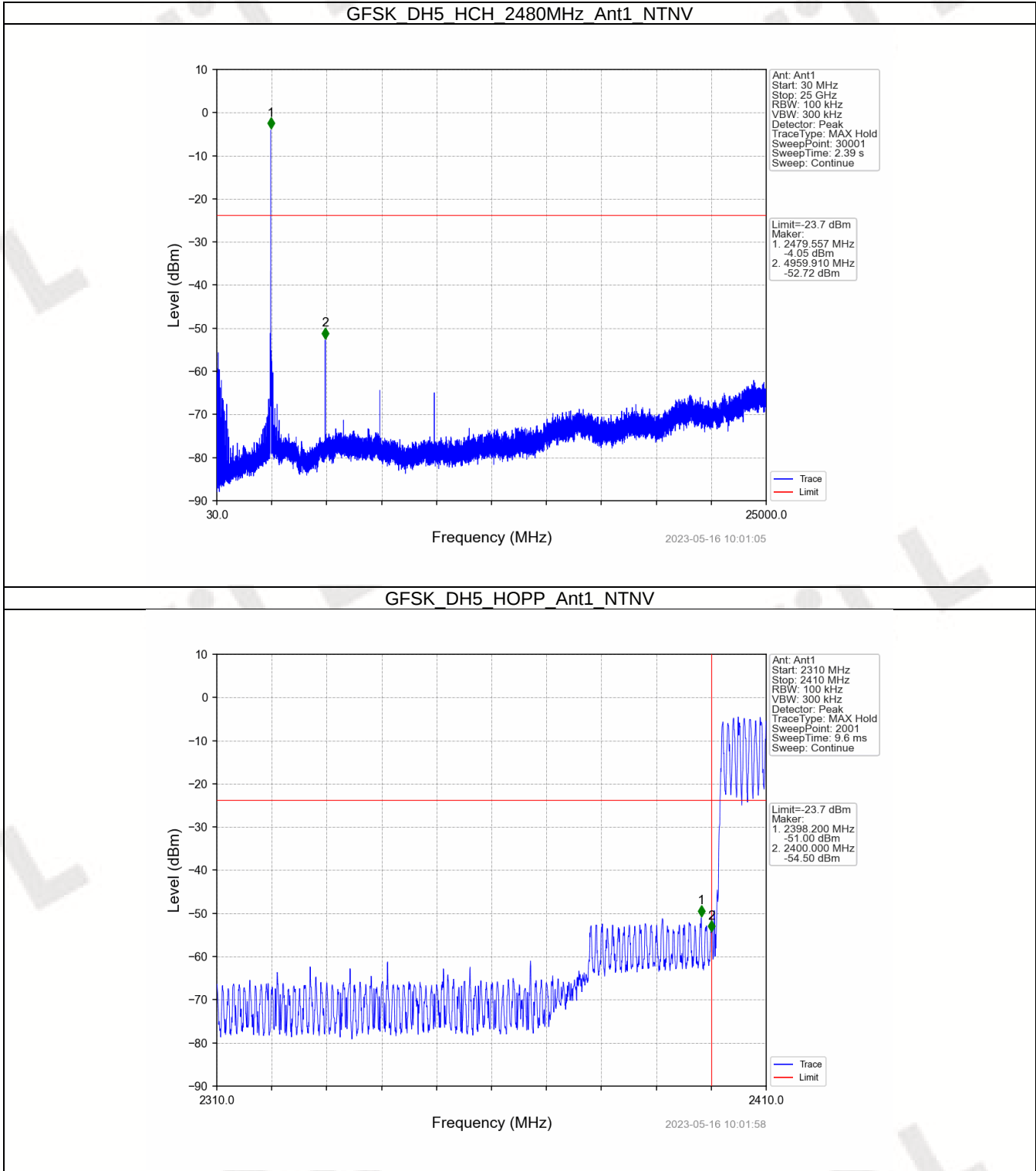
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-3.70	-23.70	Pass
		2441	DH5	1	-3.70	-23.70	Pass
		2480	DH5	1	-3.70	-23.70	Pass
		HOPP	DH5	1	-3.70	-23.70	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-3.72	-23.72	Pass
		2441	2DH5	1	-3.72	-23.72	Pass
		2480	2DH5	1	-3.72	-23.72	Pass
		HOPP	2DH5	1	-3.72	-23.72	Pass
8DPSK	SISO	2402	3DH5	1	-3.61	-23.61	Pass
		2441	3DH5	1	-3.61	-23.61	Pass
		2480	3DH5	1	-3.61	-23.61	Pass
		HOPP	3DH5	1	-3.61	-23.61	Pass

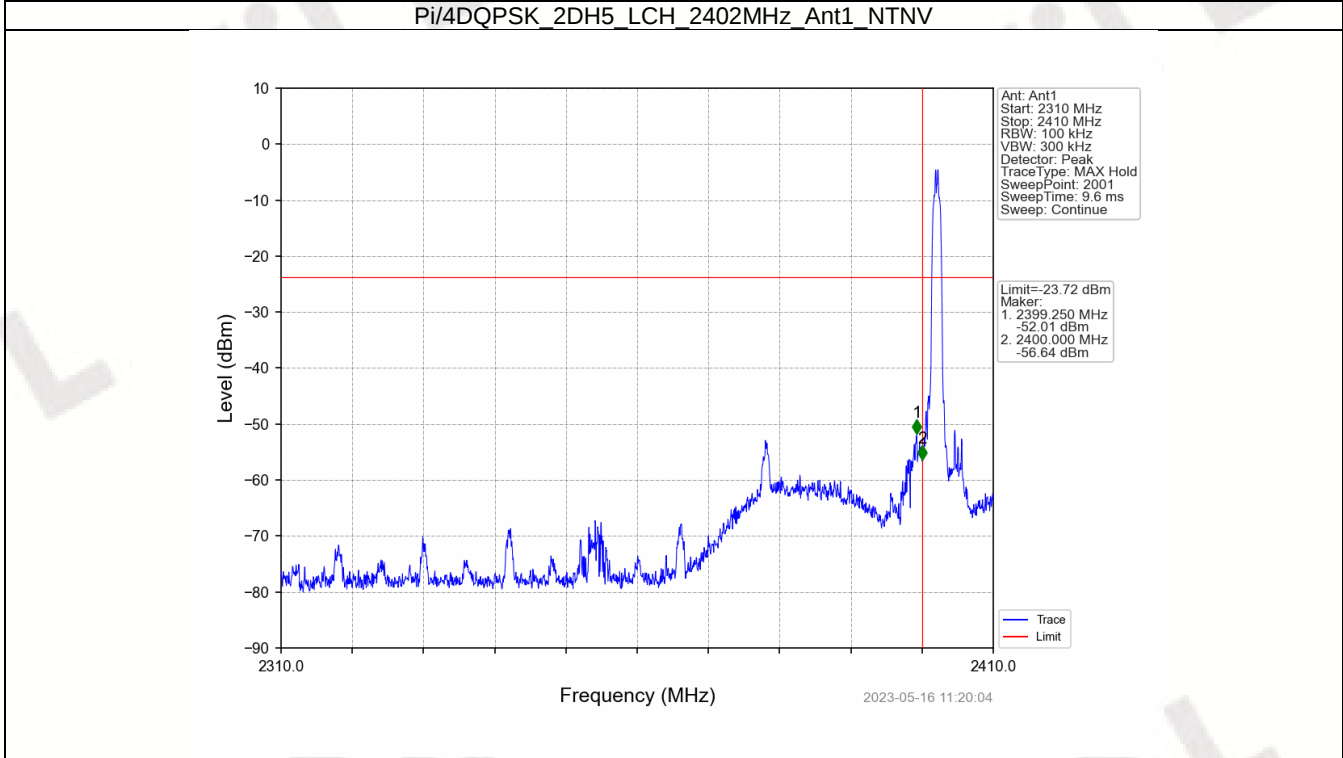
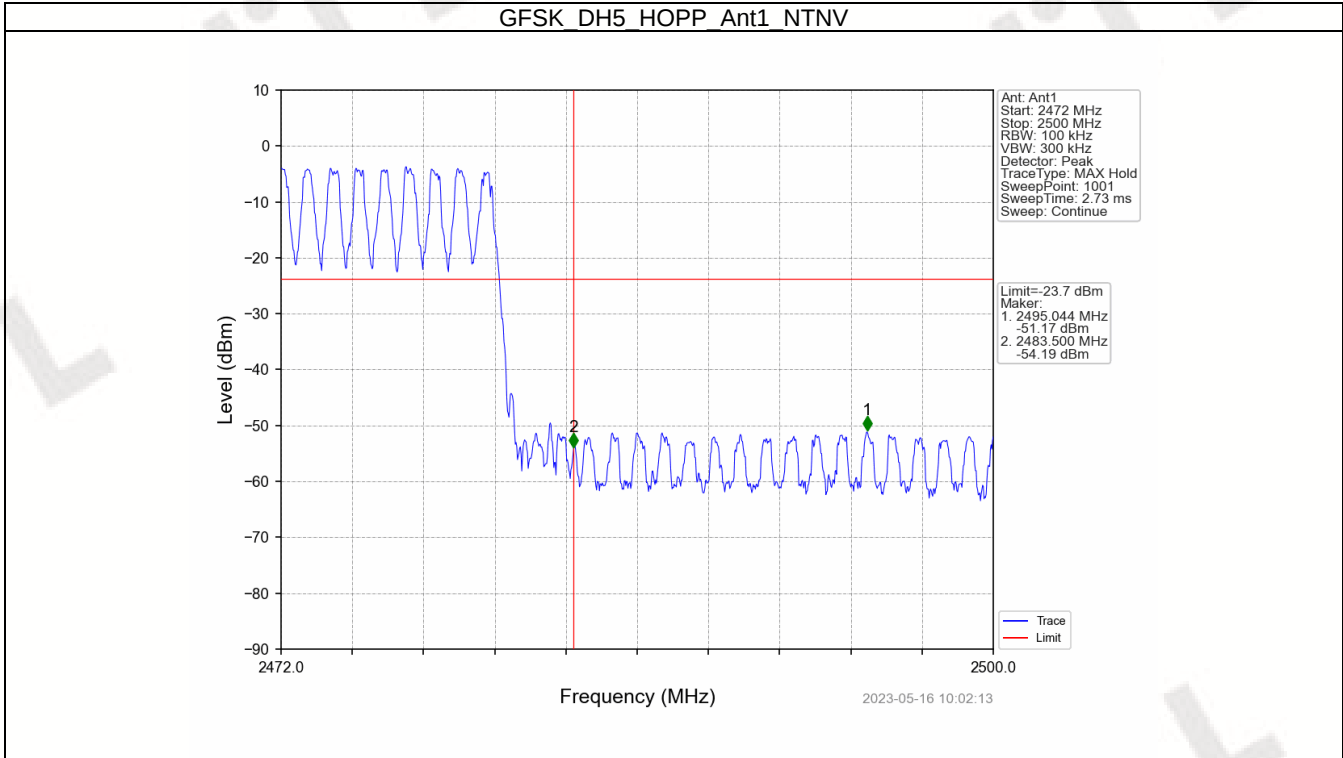
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

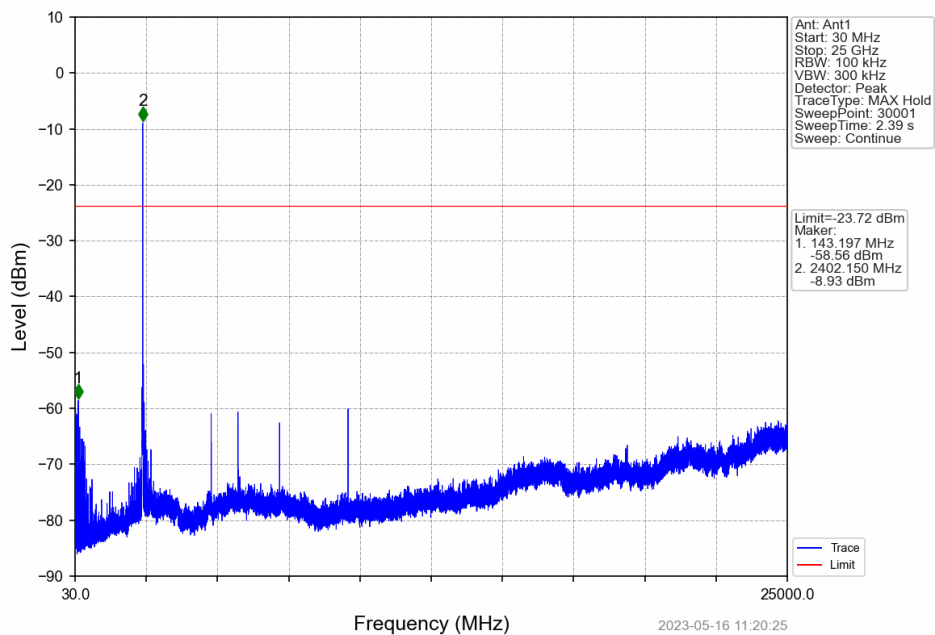




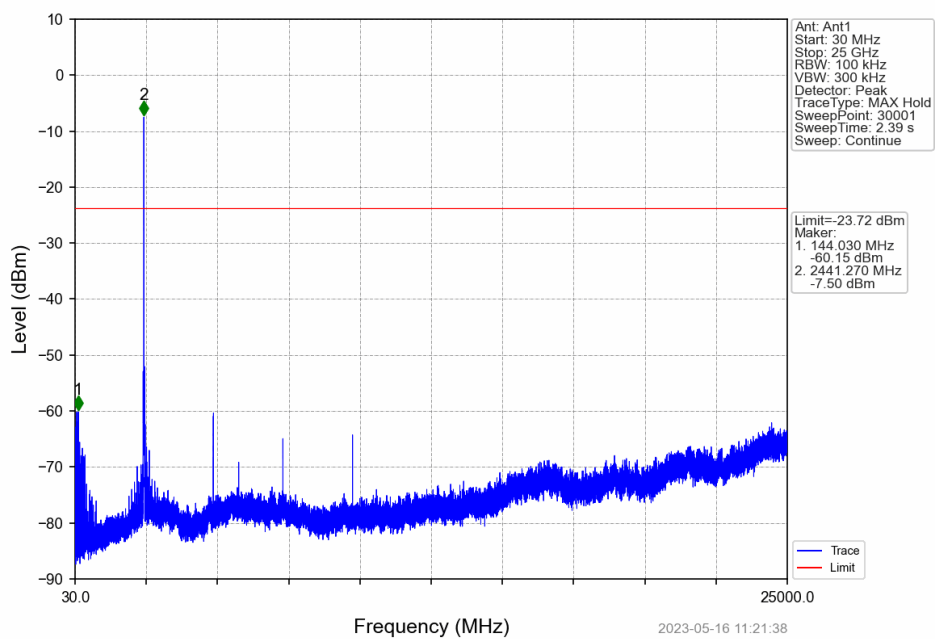


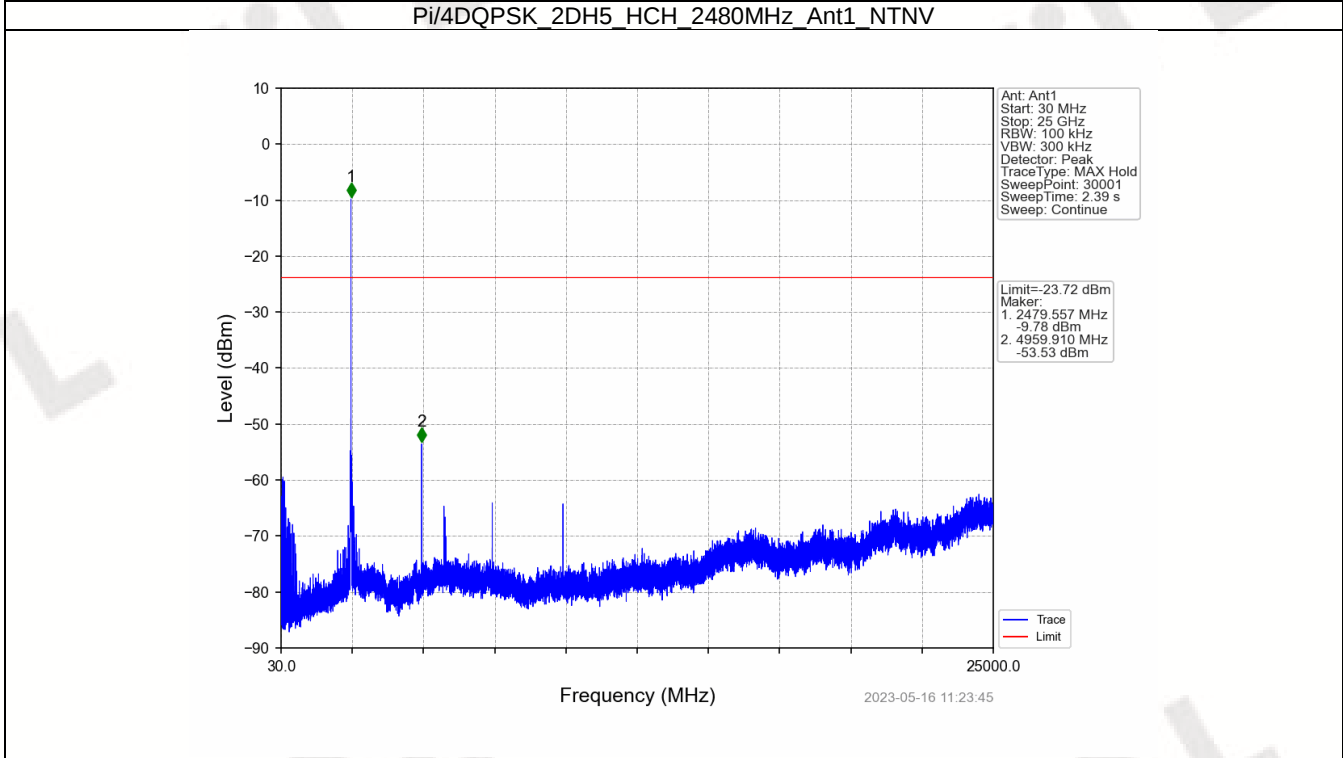
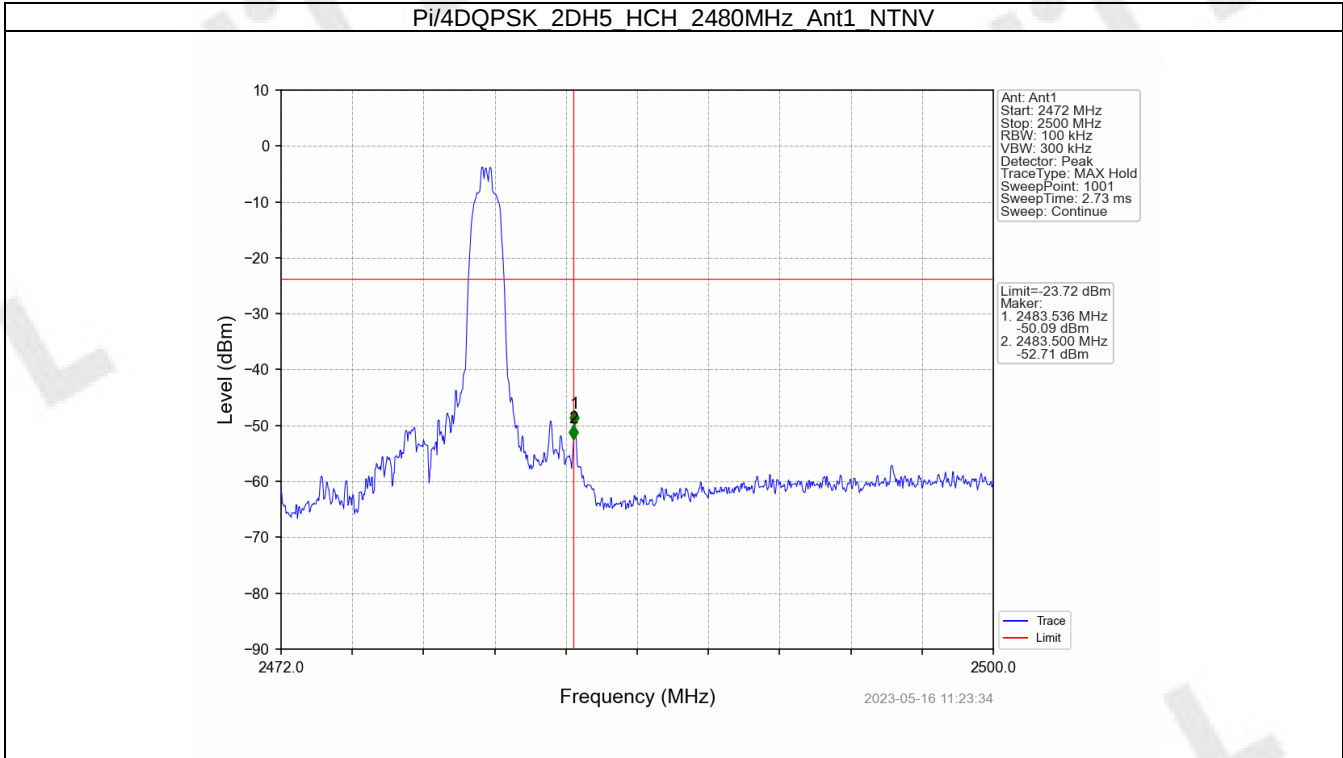


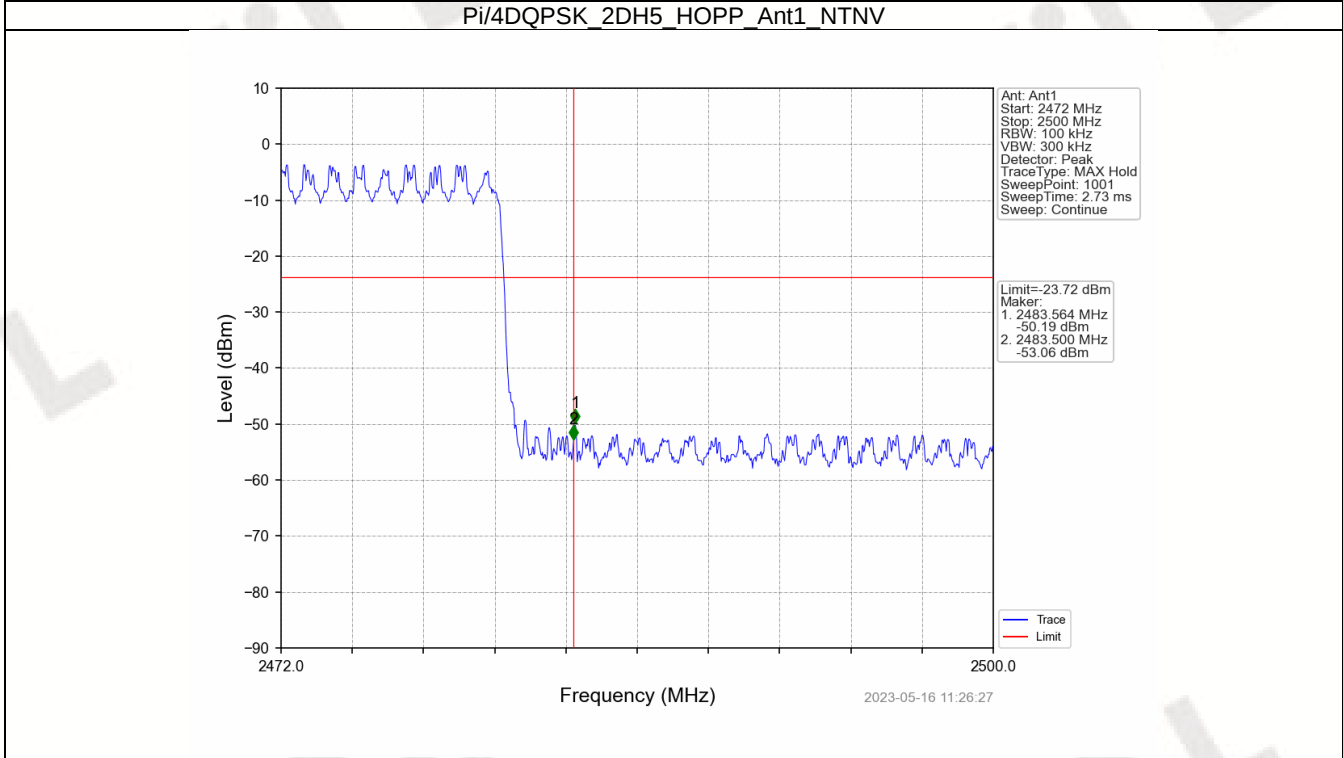
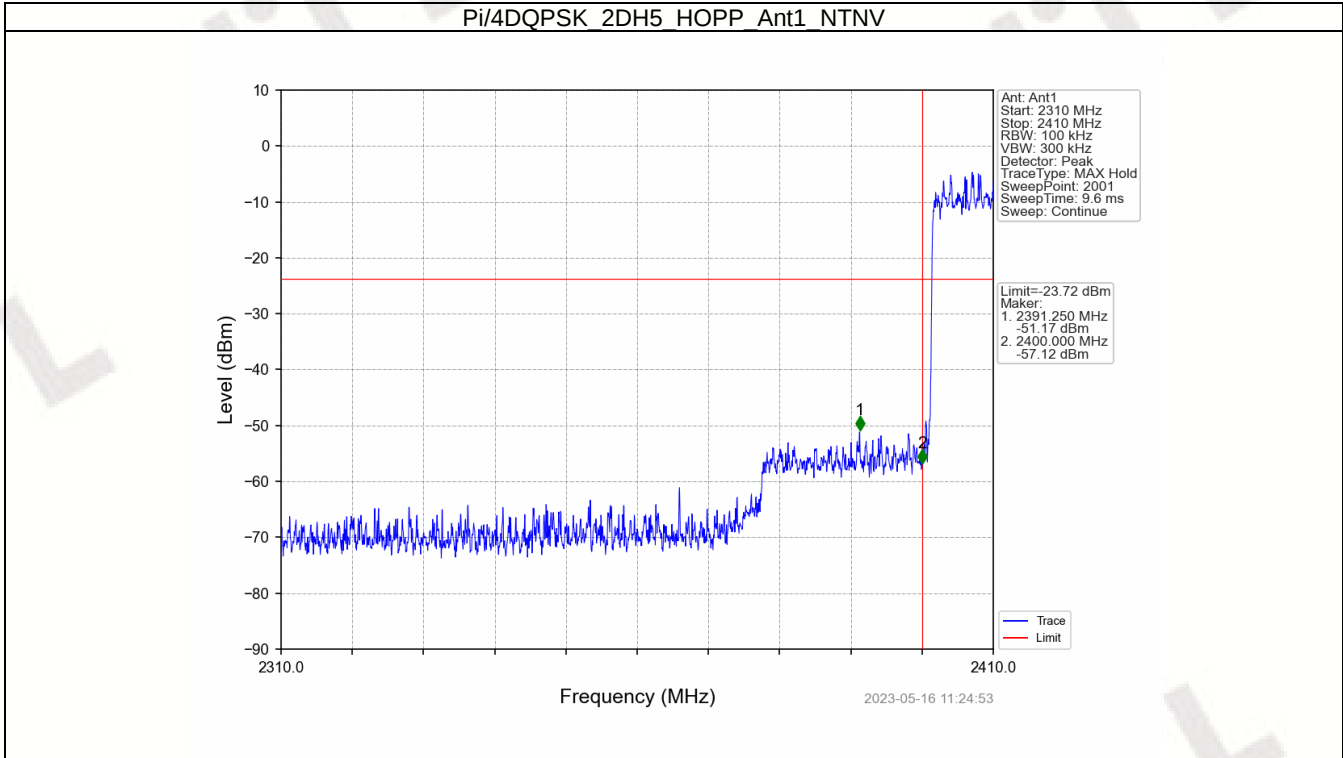
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



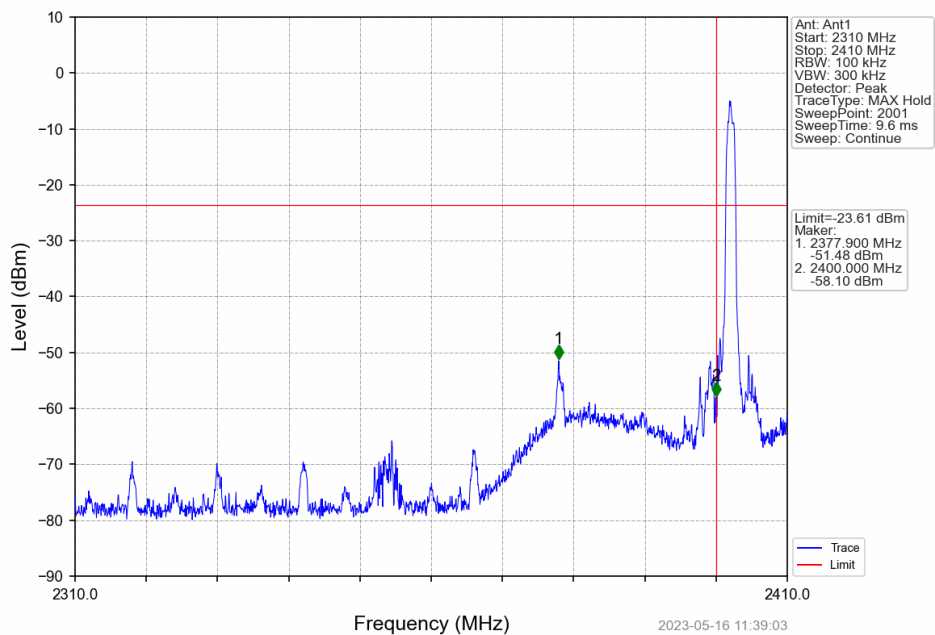
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV







8DPSK 3DH5 LCH 2402MHz Ant1 NTNV



8DPSK 3DH5 LCH 2402MHz Ant1 NTNV

