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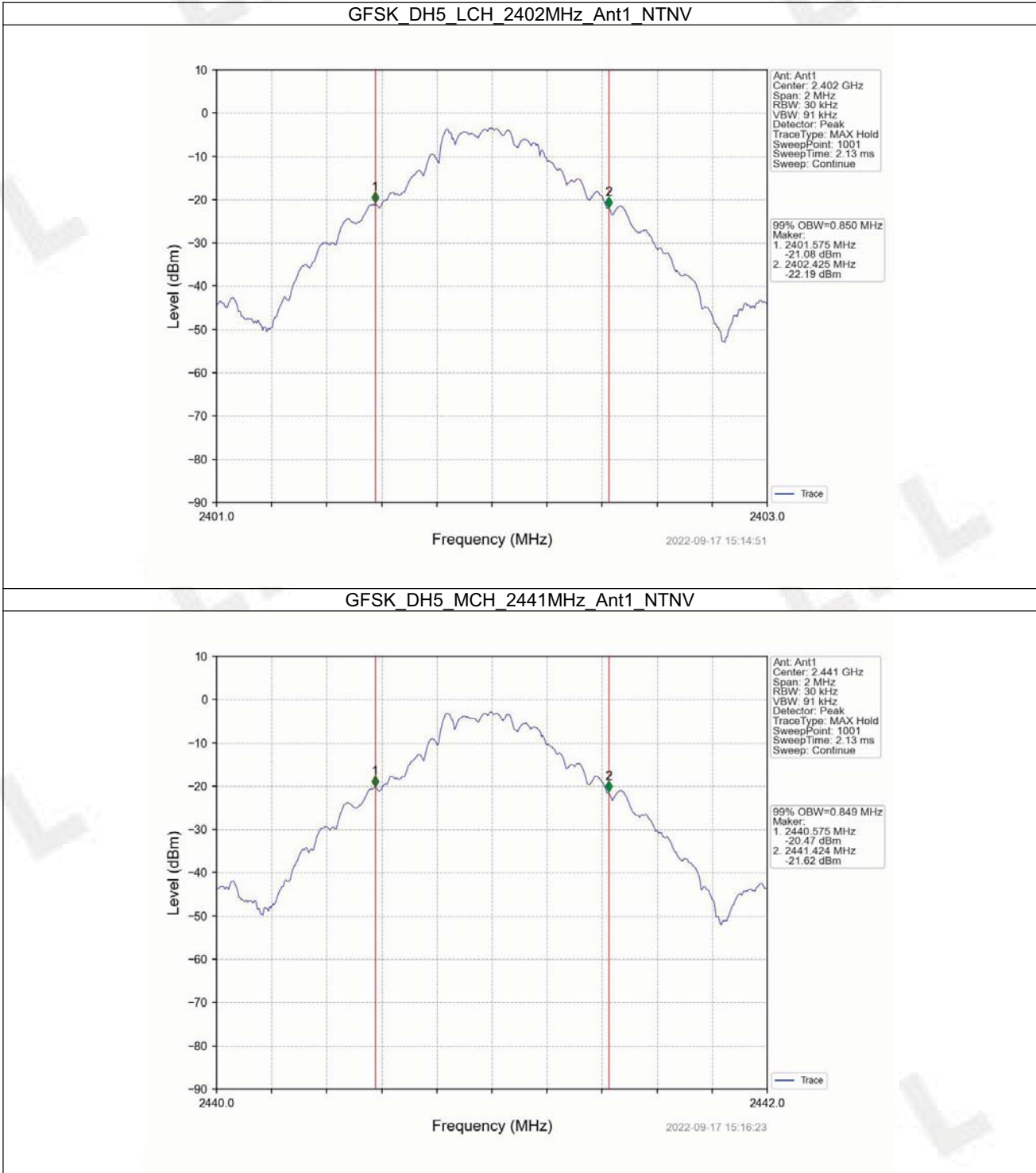
1. Bandwidth

1.1 OBW

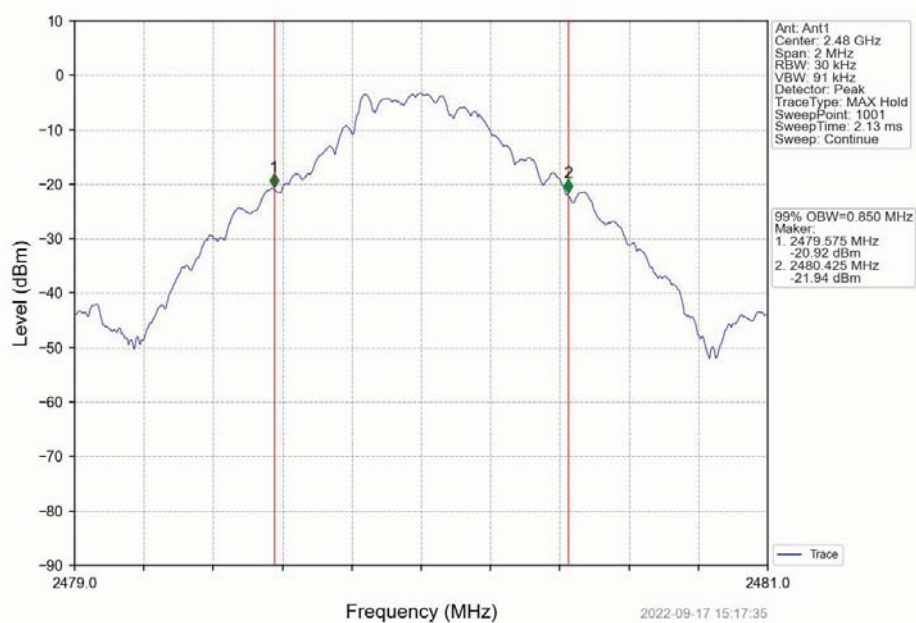
1.1.1 Test Result

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	0.849	Pass
		2480	DH5	1	0.850	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.299	Pass
		2441	2DH5	1	1.298	Pass
		2480	2DH5	1	1.283	Pass
8DPSK	SISO	2402	3DH5	1	1.282	Pass
		2441	3DH5	1	1.288	Pass
		2480	3DH5	1	1.277	Pass

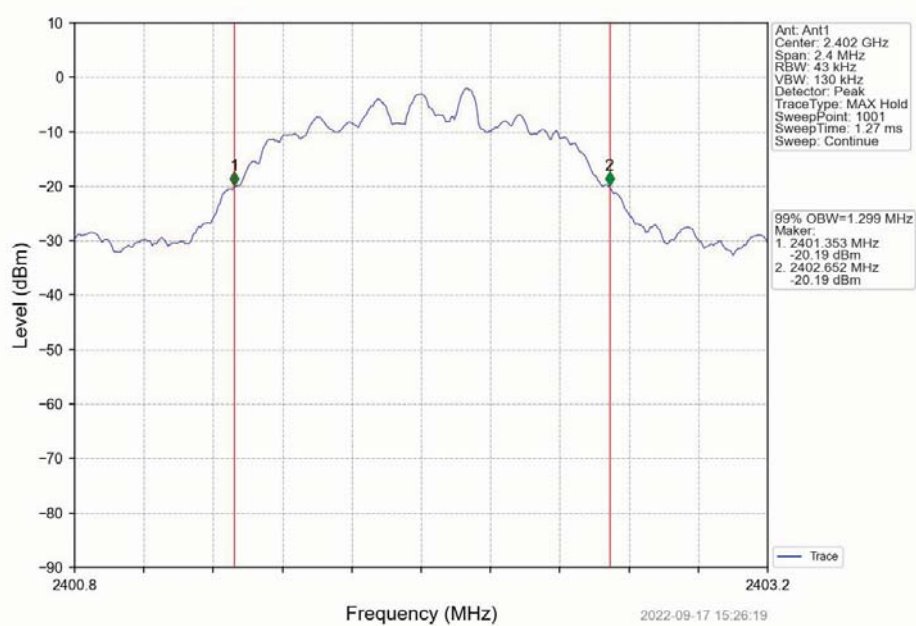
1.1.2 Test Graph



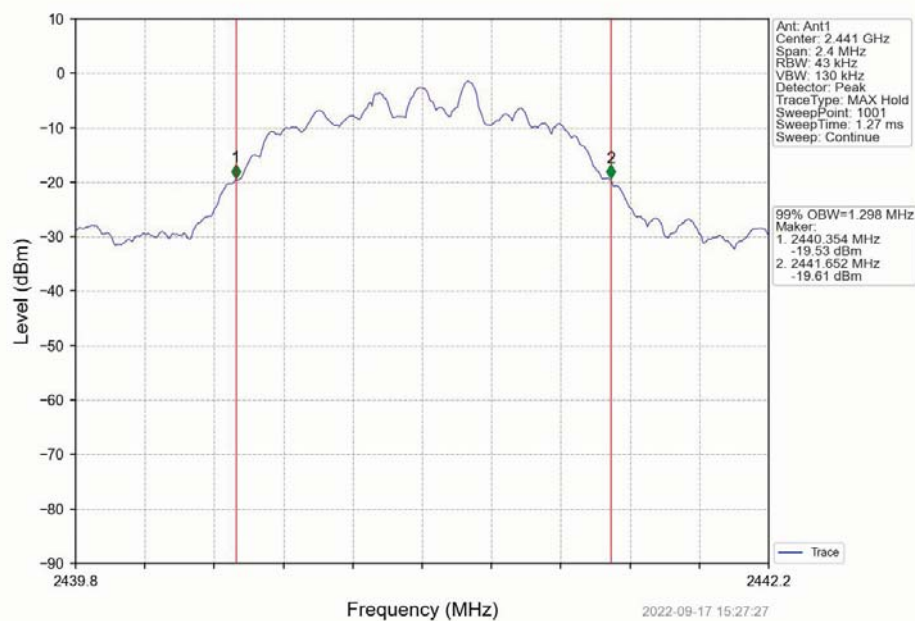
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



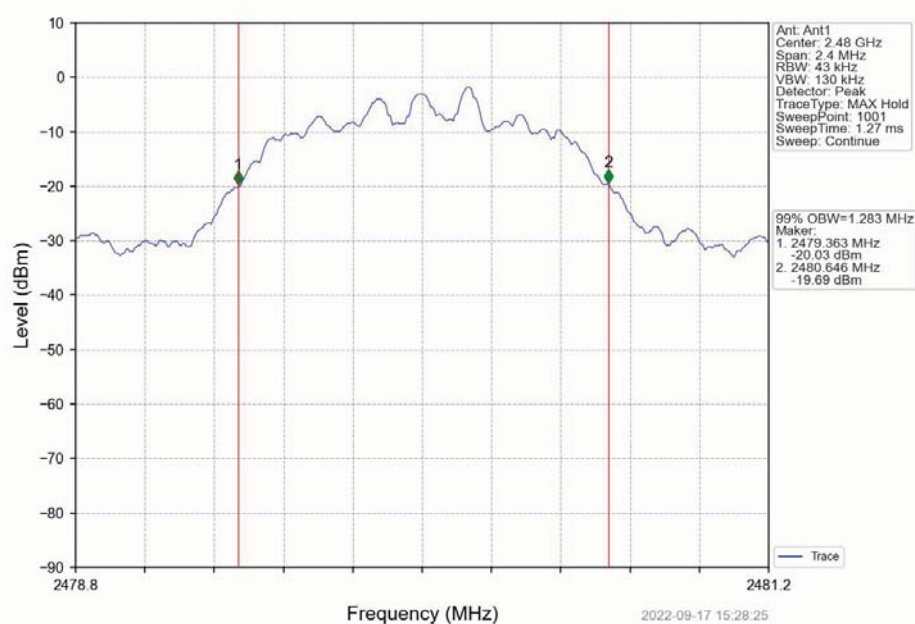
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



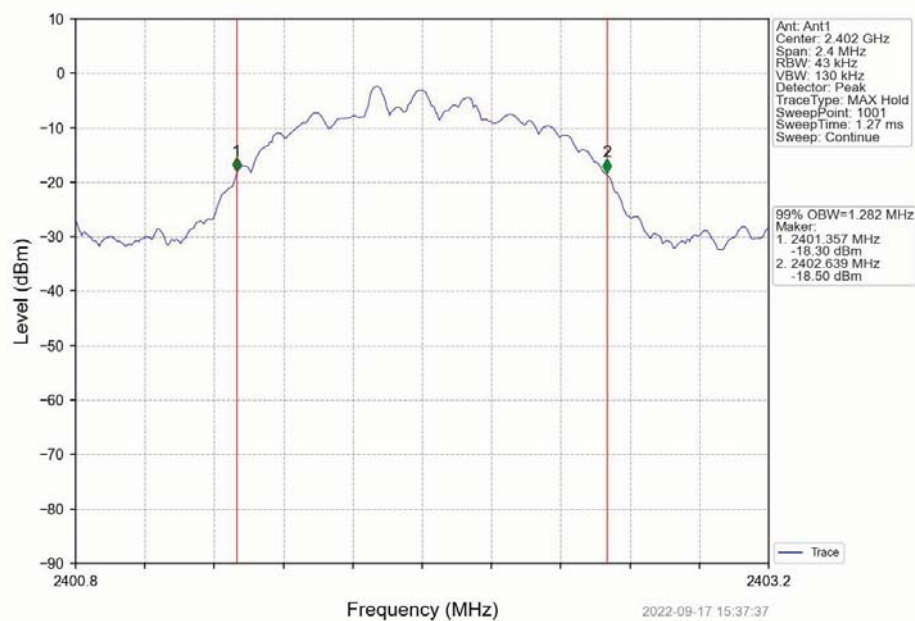
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



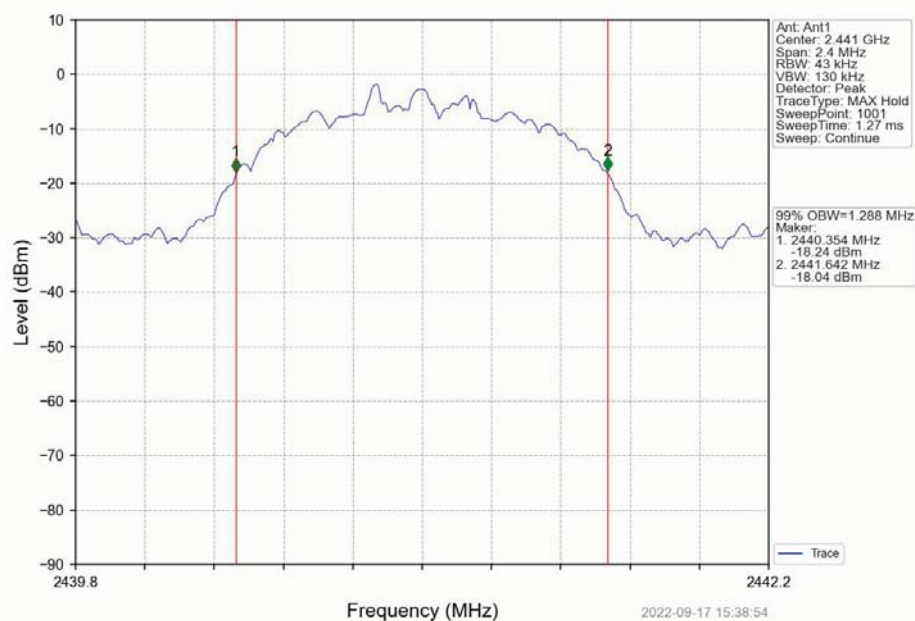
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

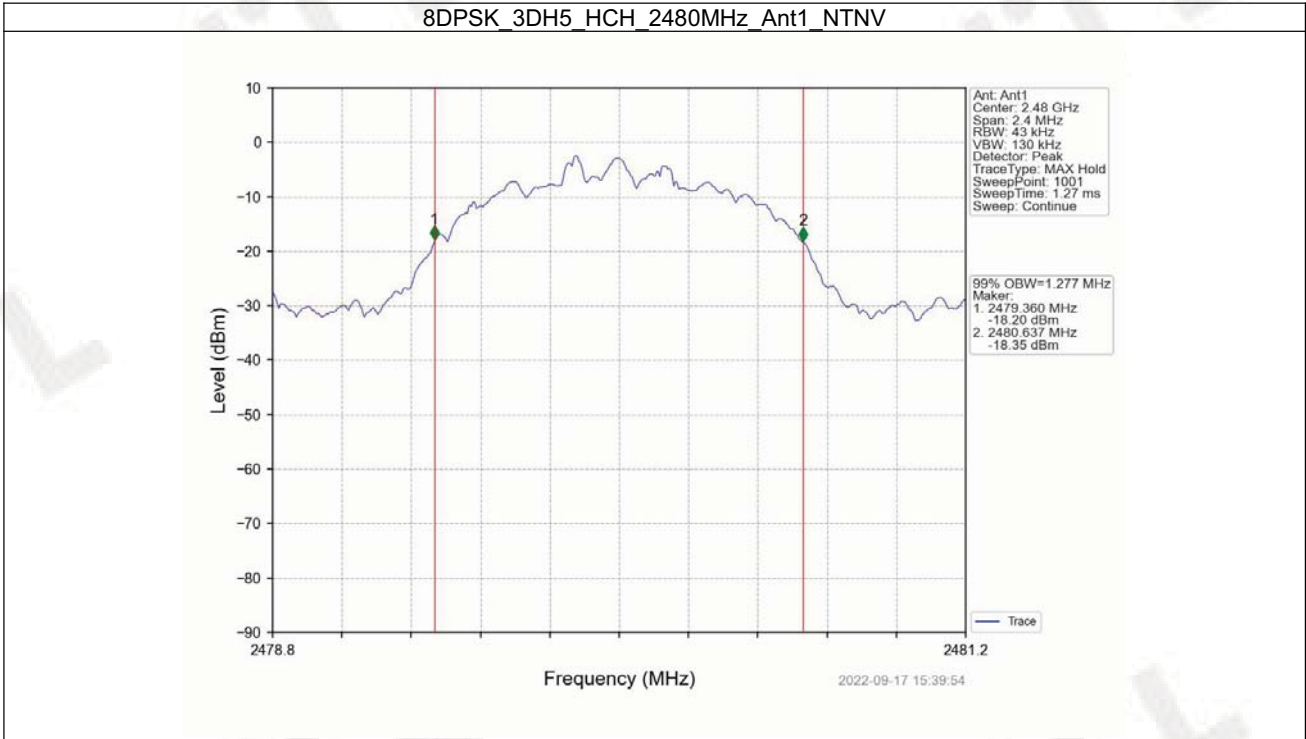


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



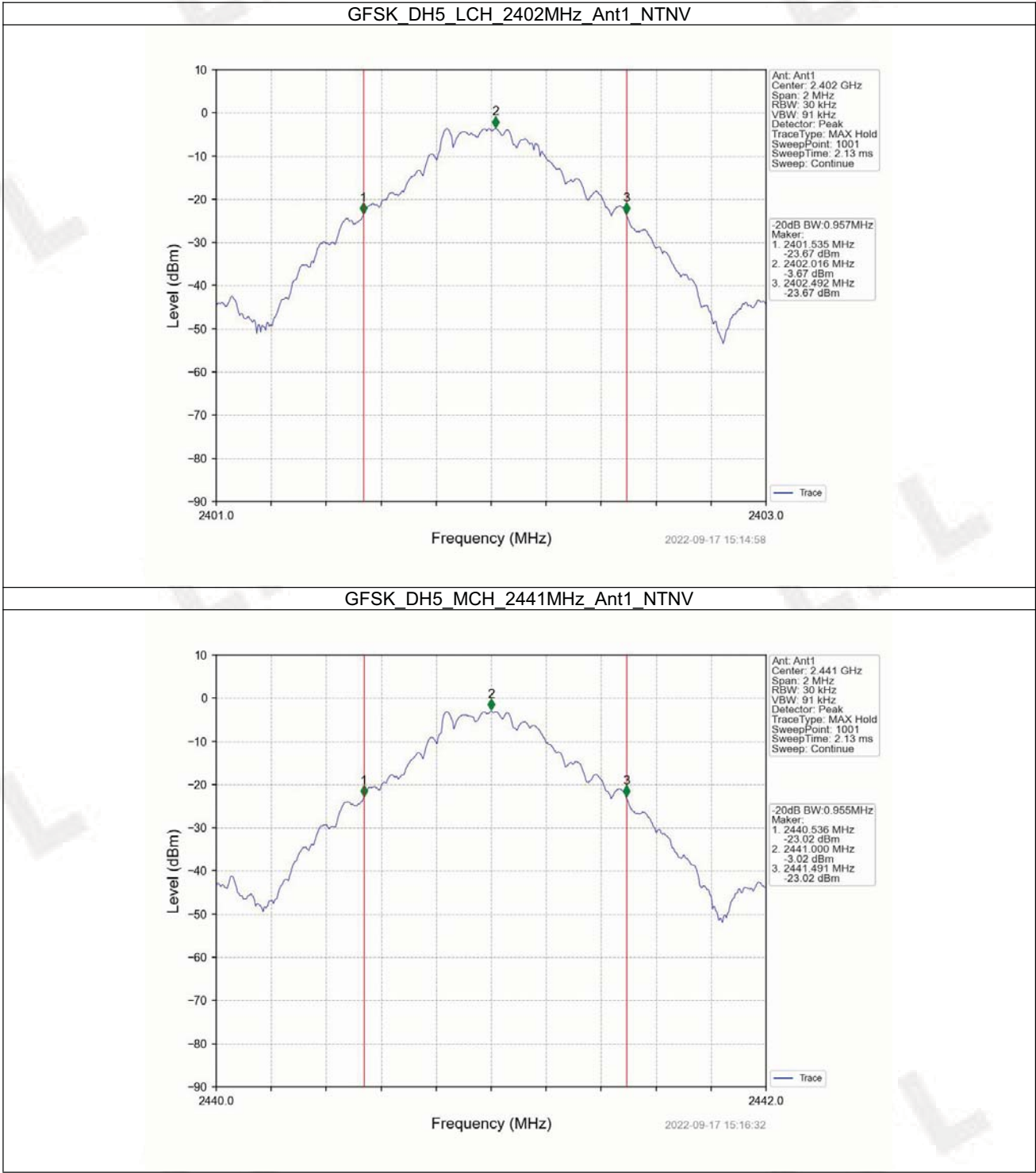


1.2 20dB BW

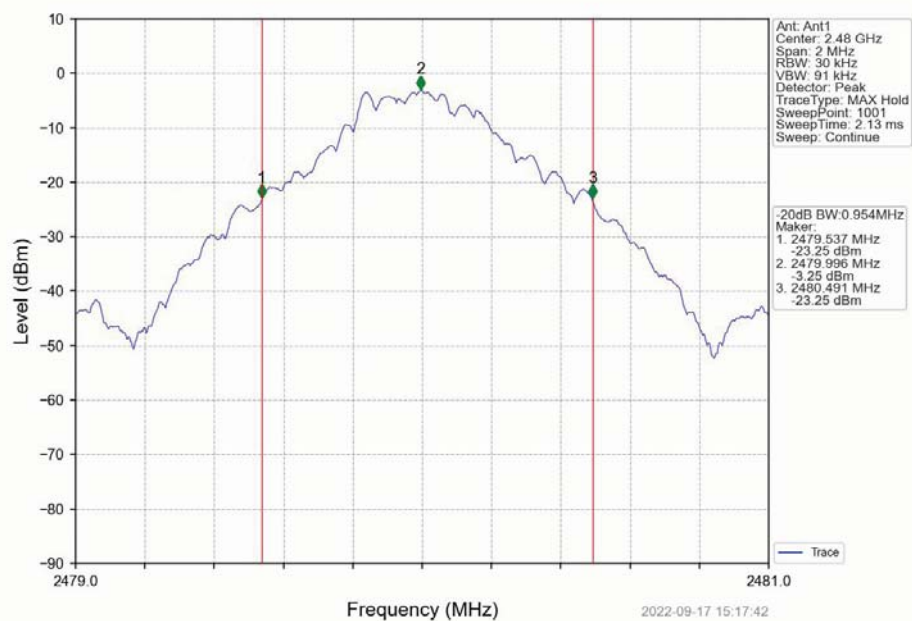
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.957	Pass
		2441	DH5	1	0.955	Pass
		2480	DH5	1	0.954	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.383	Pass
		2441	2DH5	1	1.378	Pass
		2480	2DH5	1	1.385	Pass
8DPSK	SISO	2402	3DH5	1	1.379	Pass
		2441	3DH5	1	1.368	Pass
		2480	3DH5	1	1.368	Pass

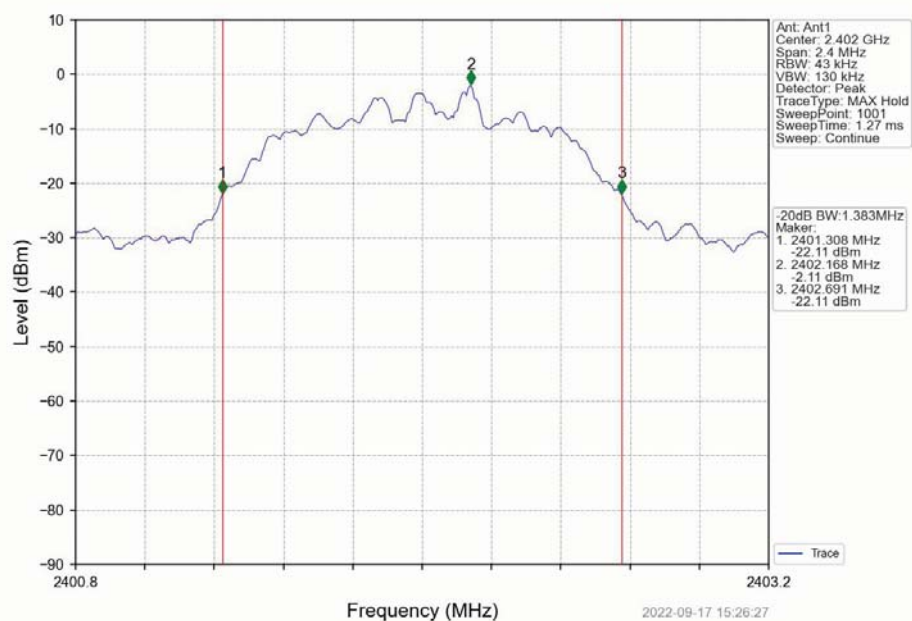
1.2.2 Test Graph



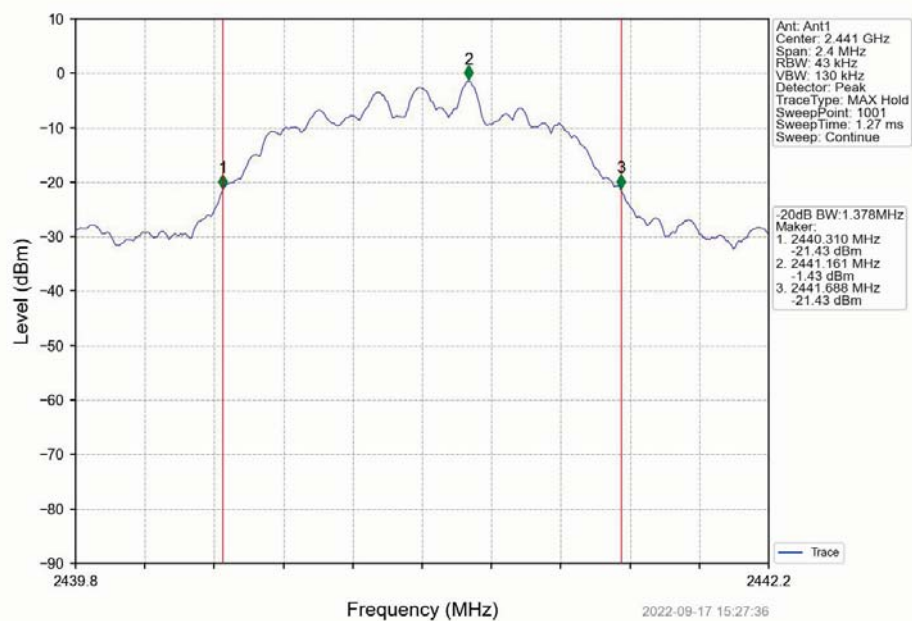
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



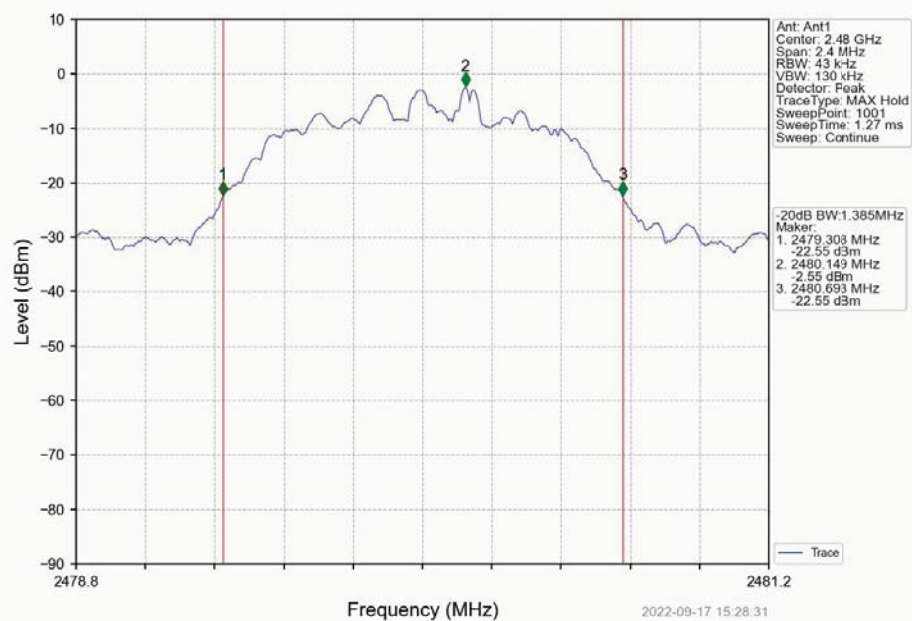
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



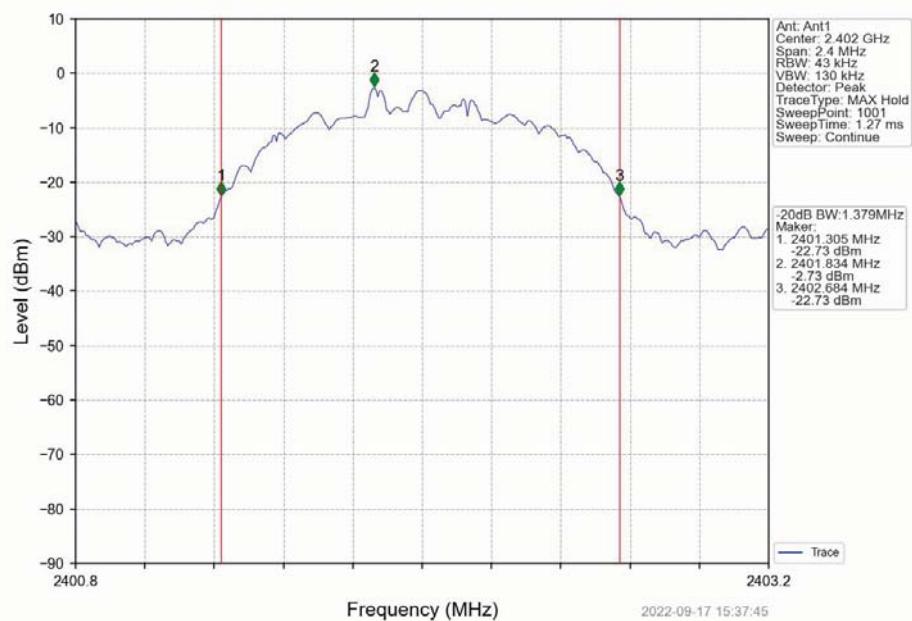
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



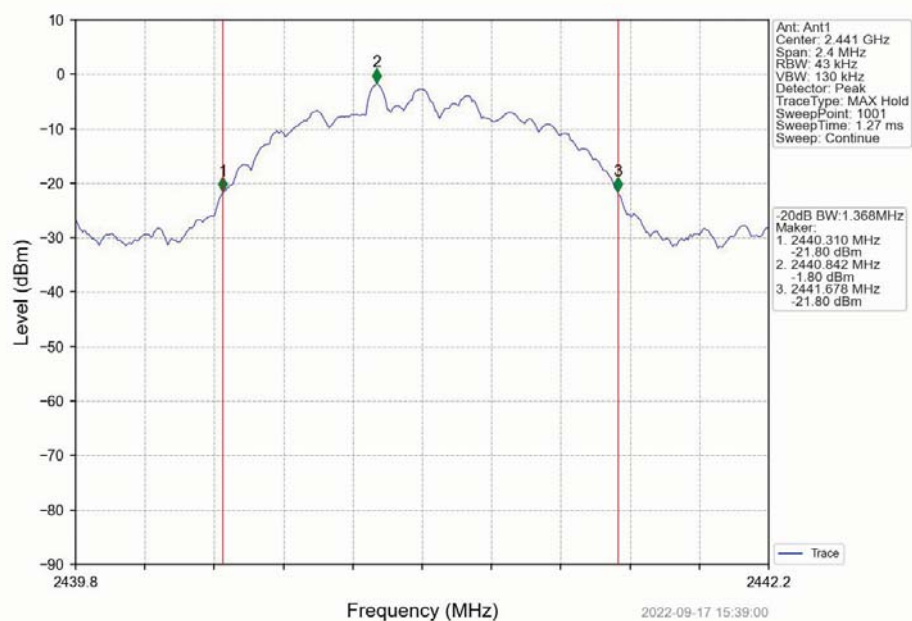
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

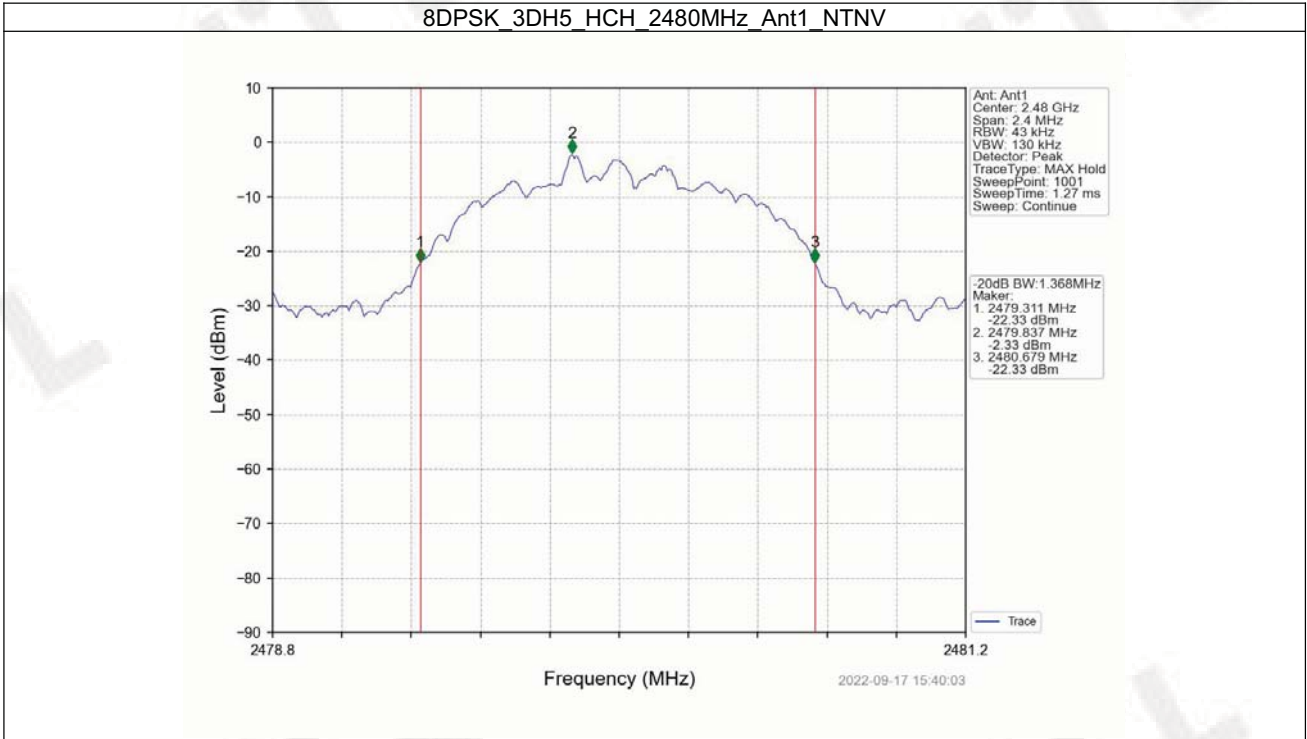


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





2. Maximum Conducted Output Power

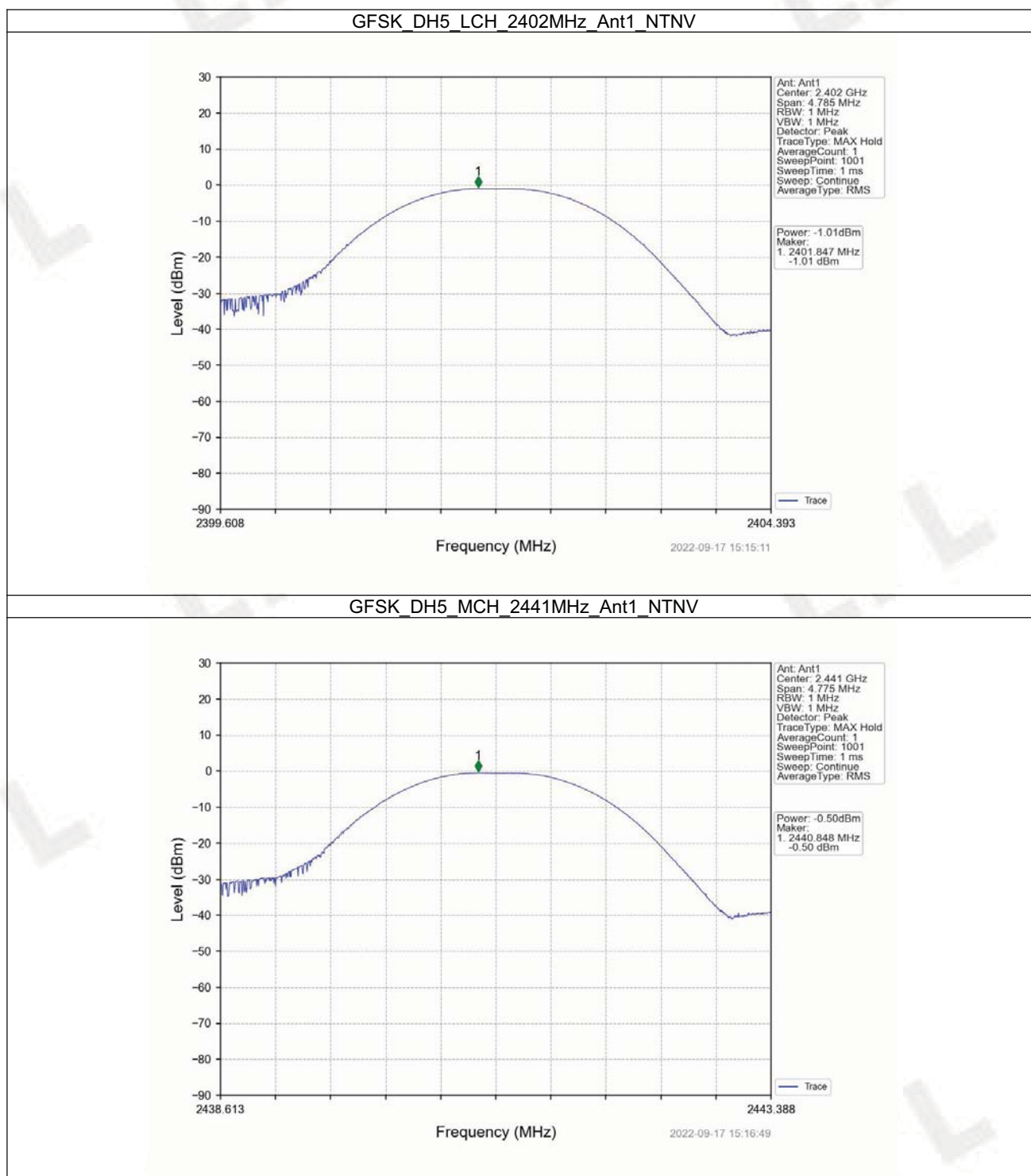
2.1 Power

2.1.1 Test Result

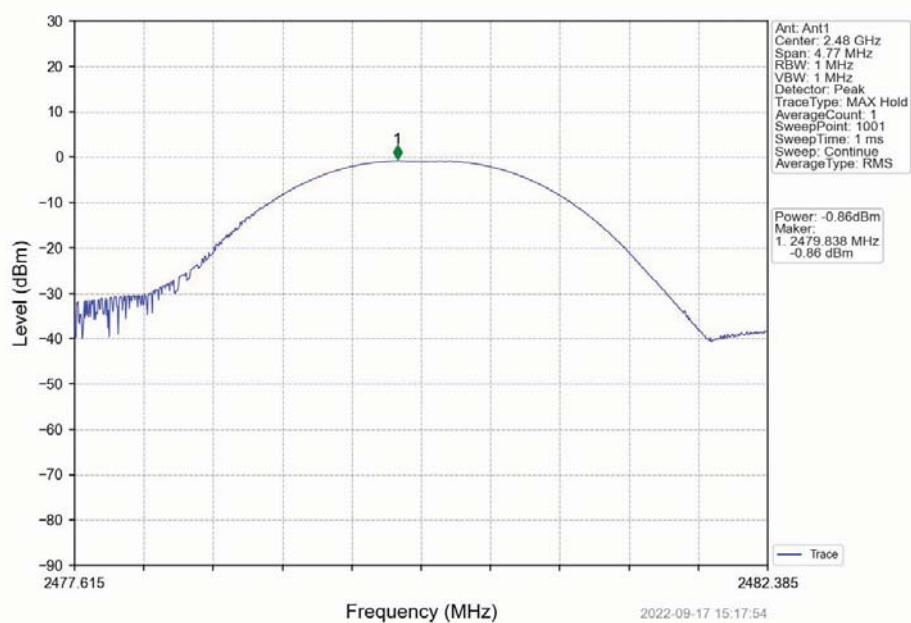
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-1.01	<=30	Pass
		2441	DH5	-0.50	<=30	Pass
		2480	DH5	-0.86	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-0.93	<=20.97	Pass
		2441	2DH5	-0.41	<=20.97	Pass
		2480	2DH5	-0.77	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-0.88	<=20.97	Pass
		2441	3DH5	-0.37	<=20.97	Pass
		2480	3DH5	-0.73	<=20.97	Pass

Note1: Antenna Gain: Ant1: -0.68dBi;

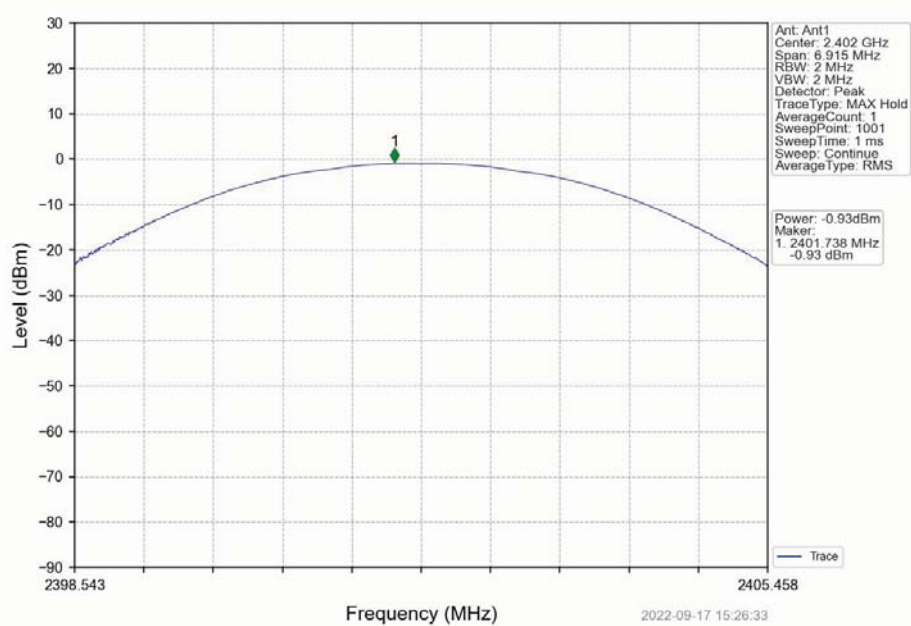
2.1.2 Test Graph



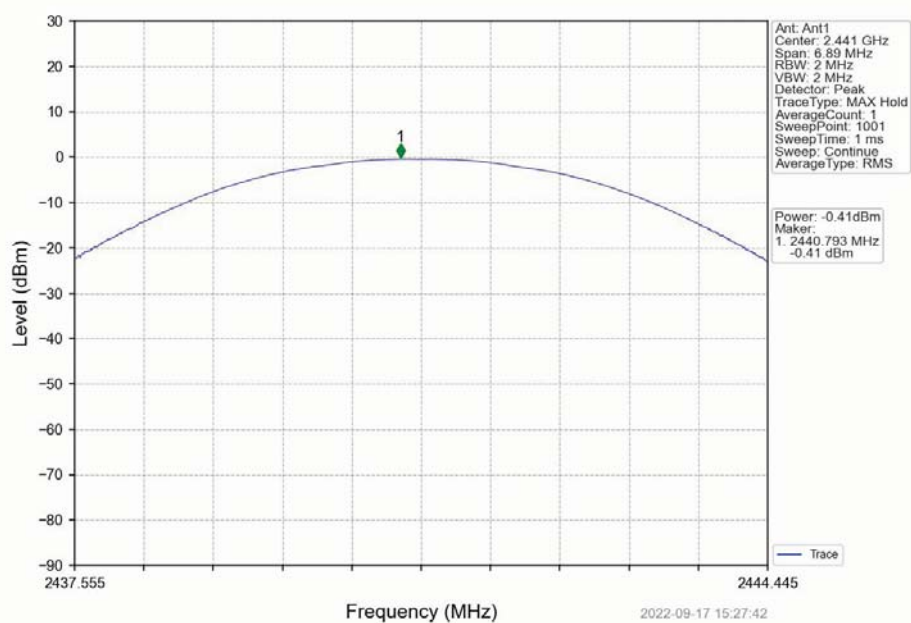
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



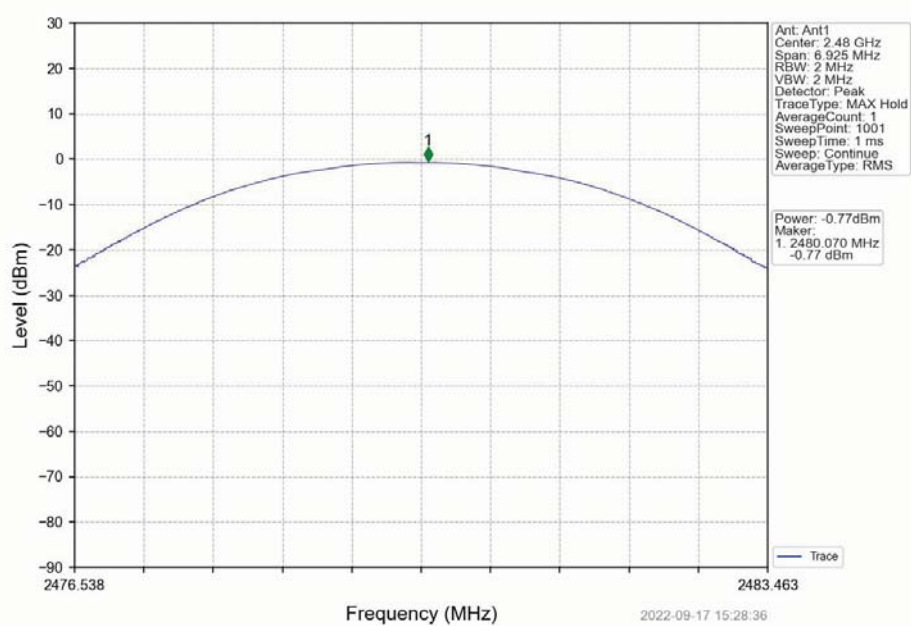
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

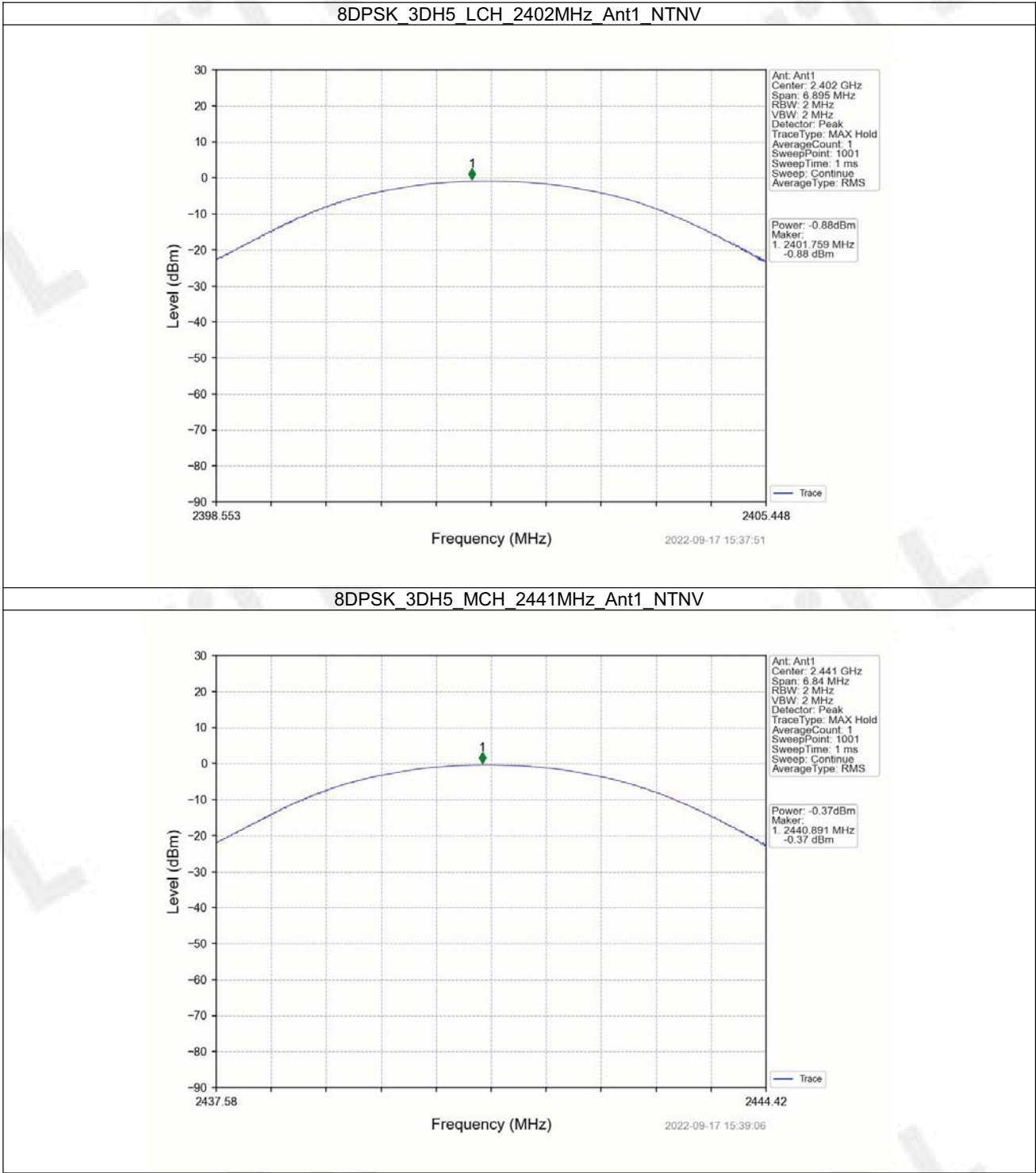


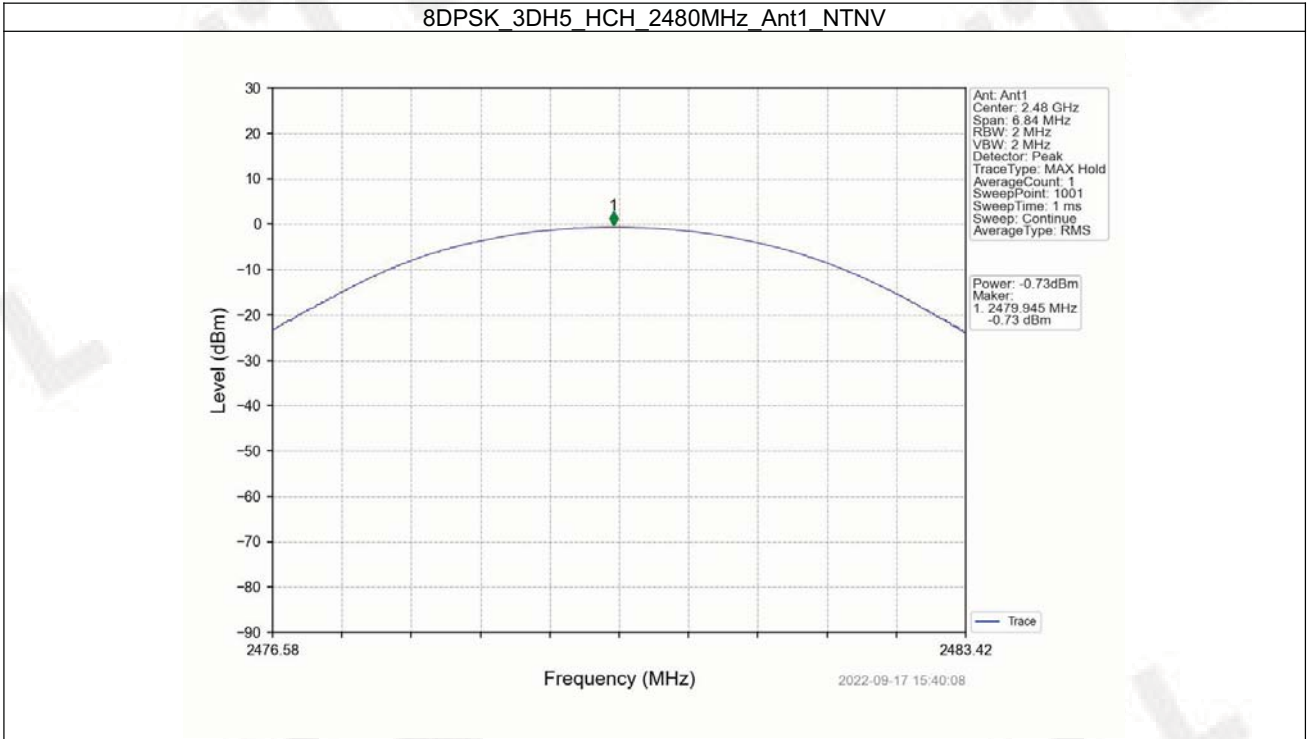
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV







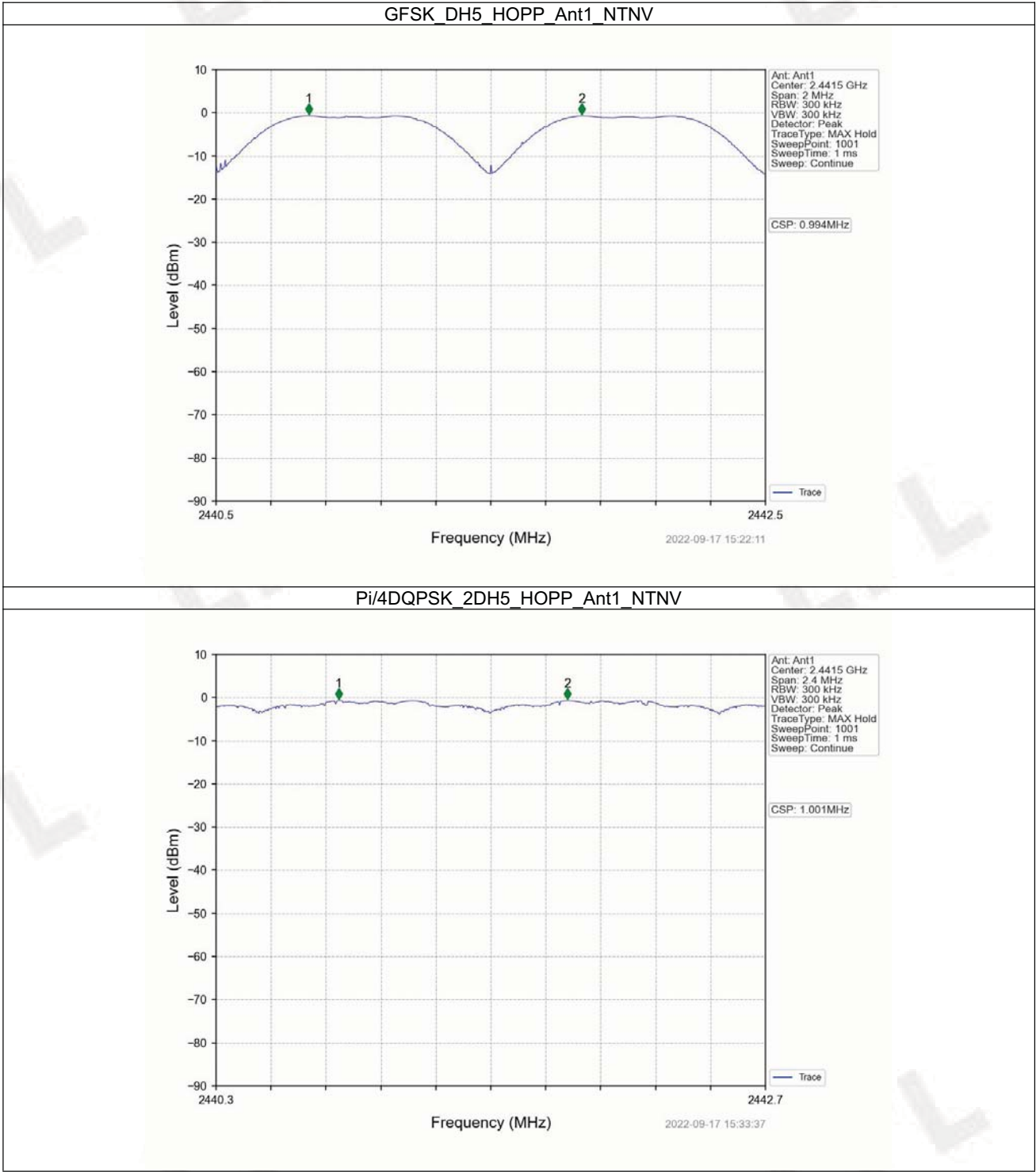
3. Carrier Frequency Separation

3.1 Ant1

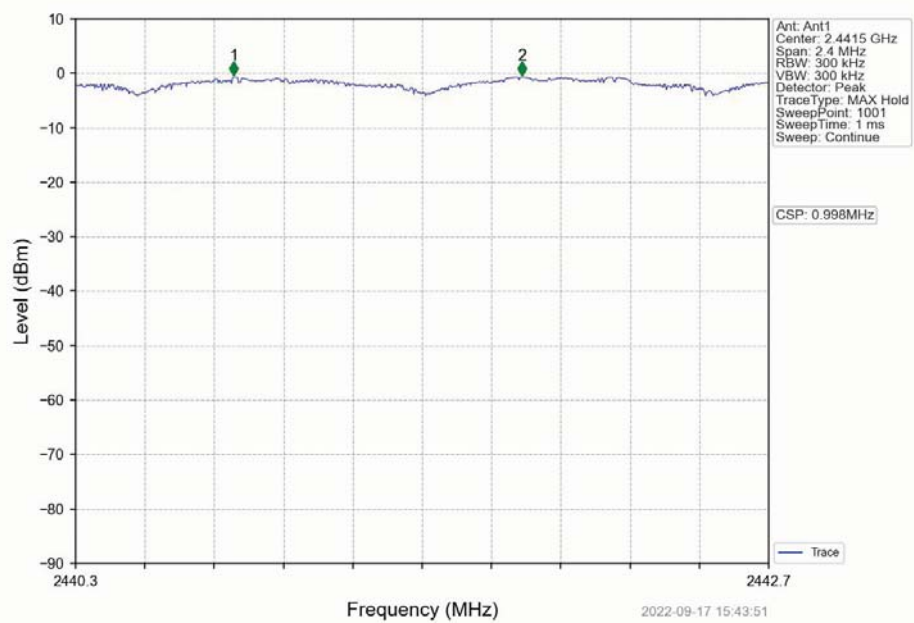
3.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.994	0.957	≥ 0.957	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.385	≥ 0.923	Pass
8DPSK	SISO	HOPP	3DH5	0.998	1.379	≥ 0.919	Pass

3.1.2 Test Graph



8DPSK_3DH5_HOPP_Ant1_NTNV



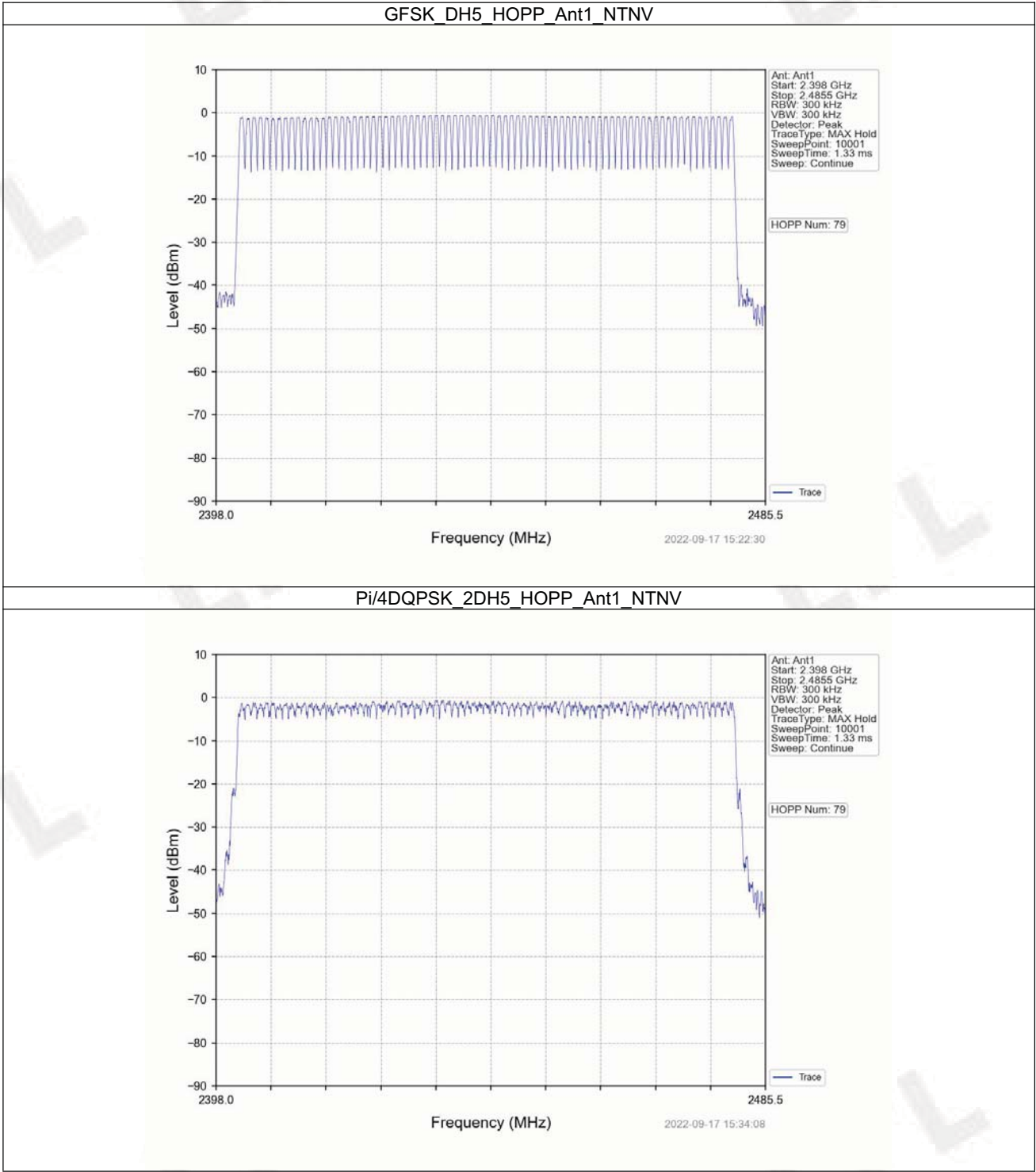
4. Number of Hopping Frequencies

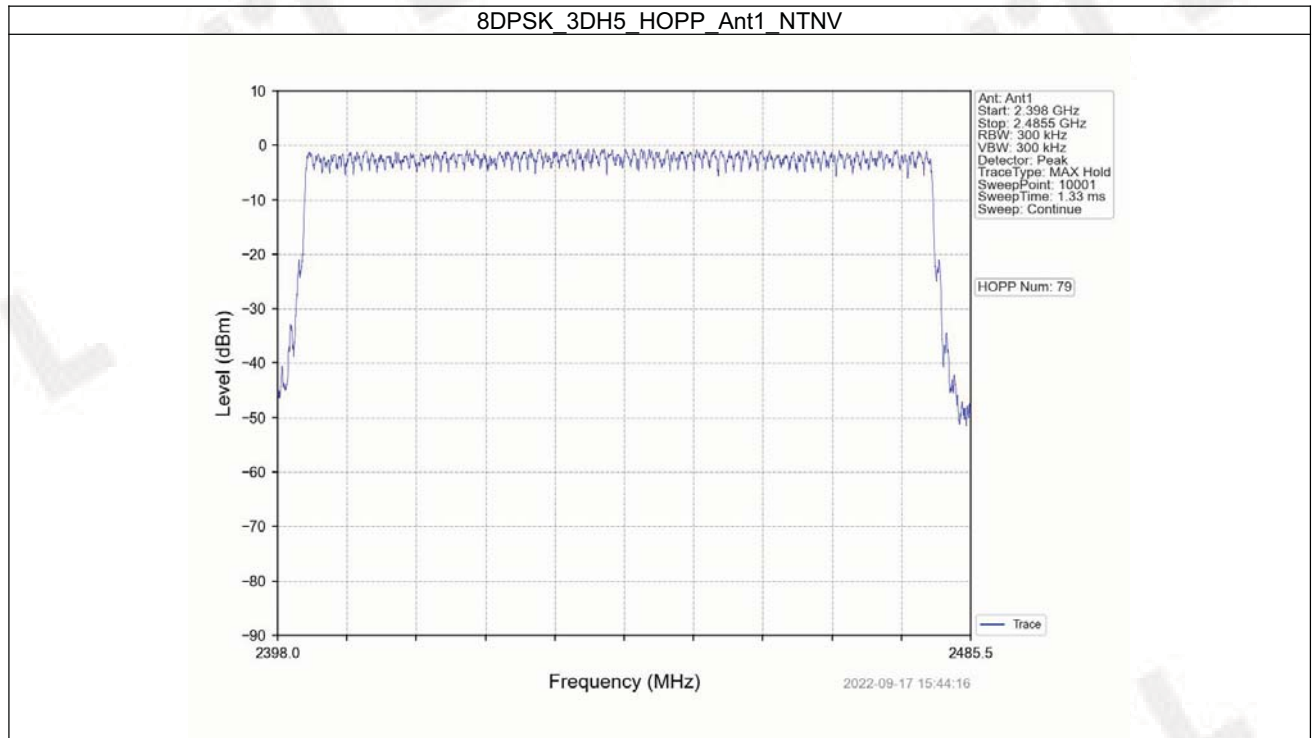
4.1 HoppNum

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/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

4.1.2 Test Graph





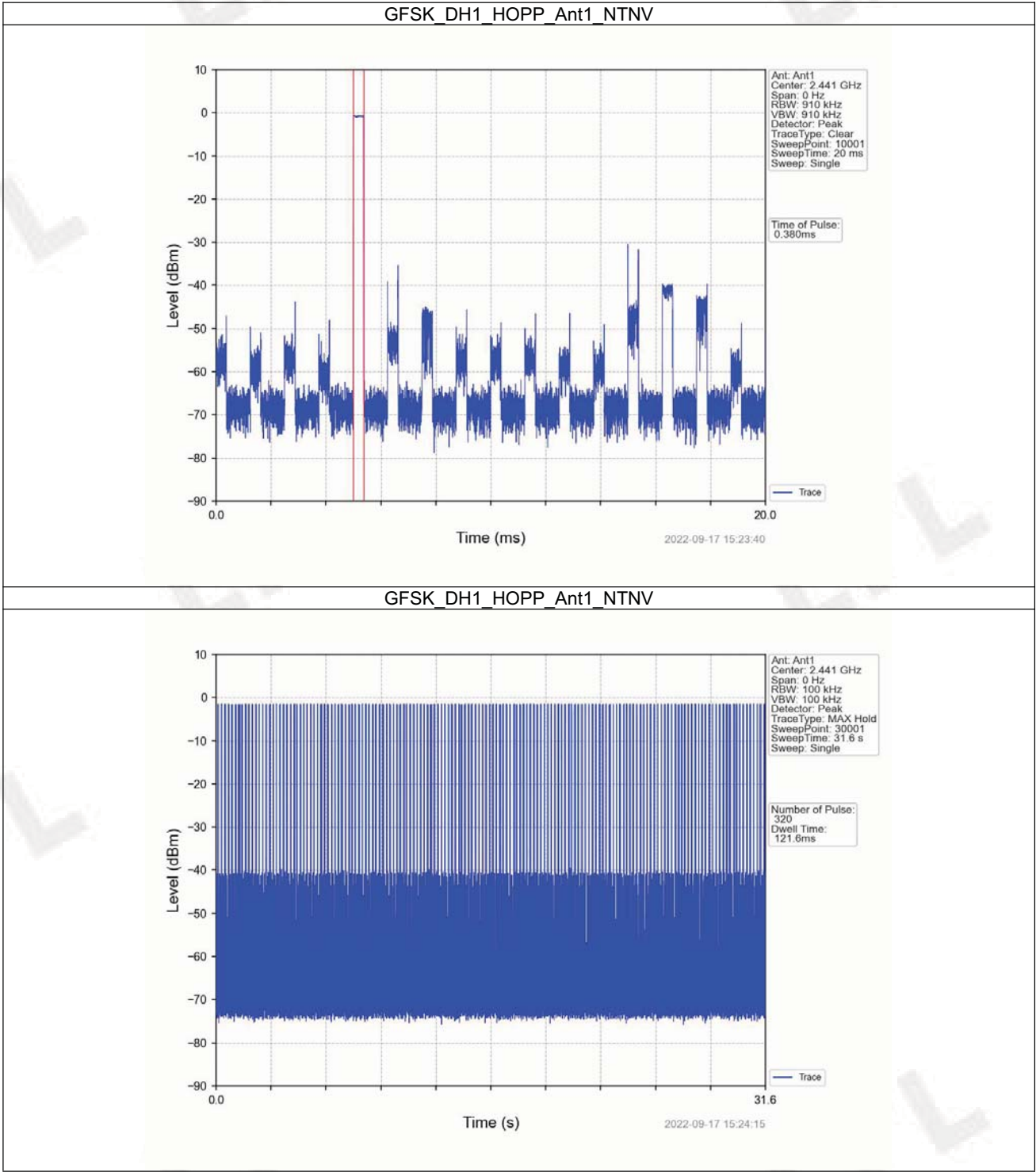
5. Time of Occupancy (Dwell Time)

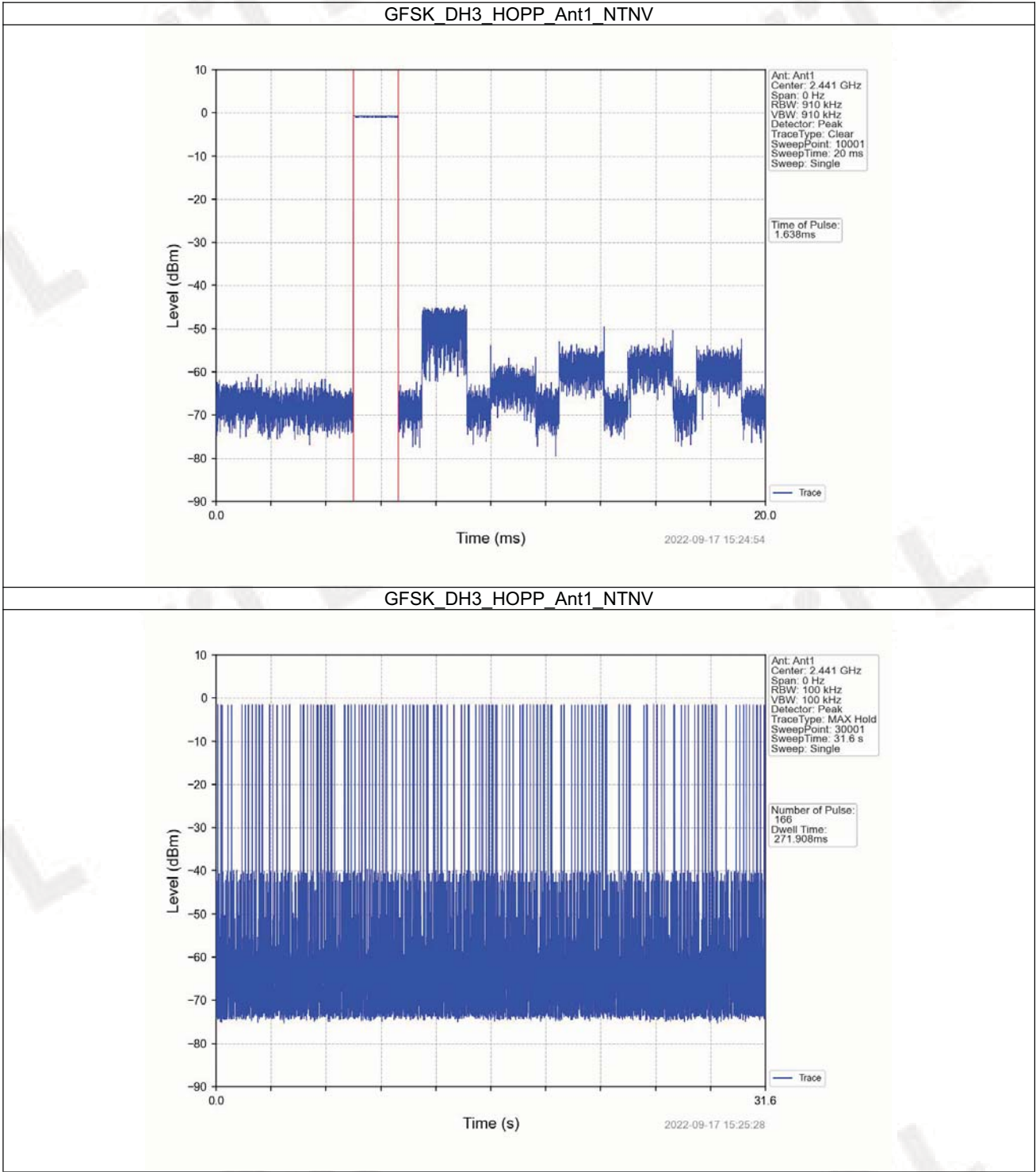
5.1 Ant1

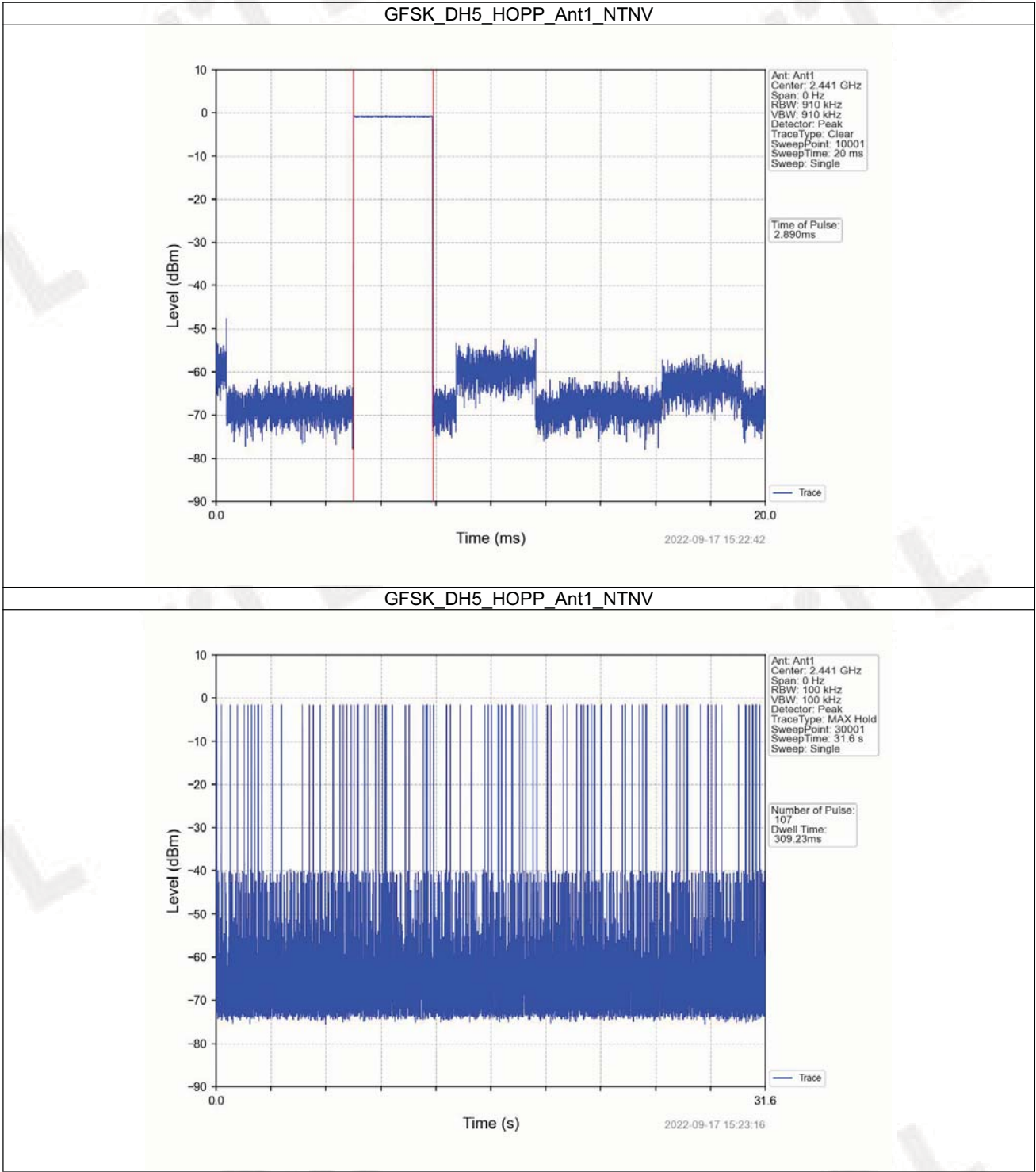
5.1.1 Test Result

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	0.380	31.600	320	121.600	<=400	Pass
			DH3	1.638	31.600	166	271.908	<=400	Pass
			DH5	2.890	31.600	107	309.230	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.390	31.600	321	125.190	<=400	Pass
			2DH3	1.642	31.600	160	262.720	<=400	Pass
			2DH5	2.892	31.600	110	318.120	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.392	31.600	320	125.440	<=400	Pass
			3DH3	1.640	31.600	165	270.600	<=400	Pass
			3DH5	2.898	31.600	114	330.372	<=400	Pass

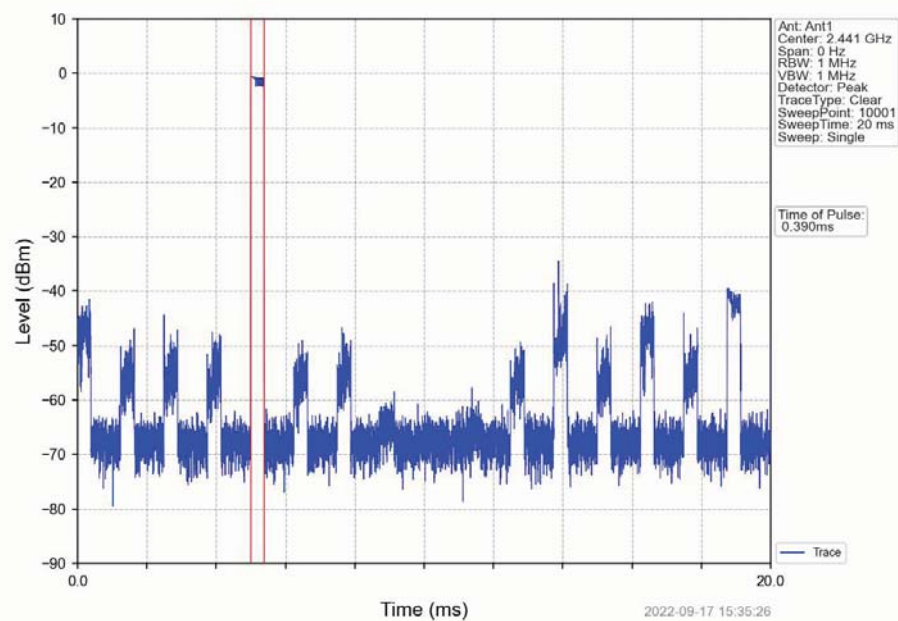
5.1.2 Test Graph



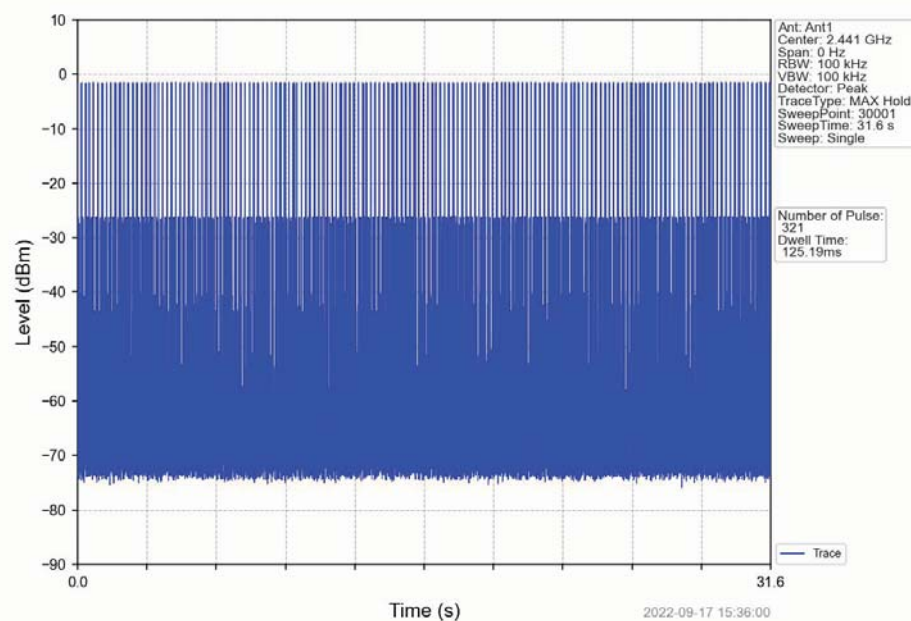




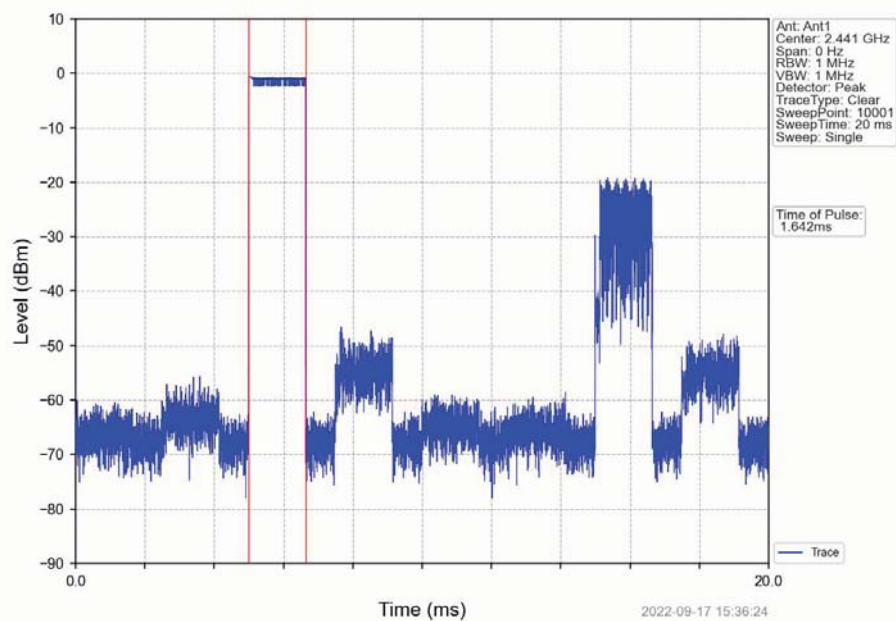
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



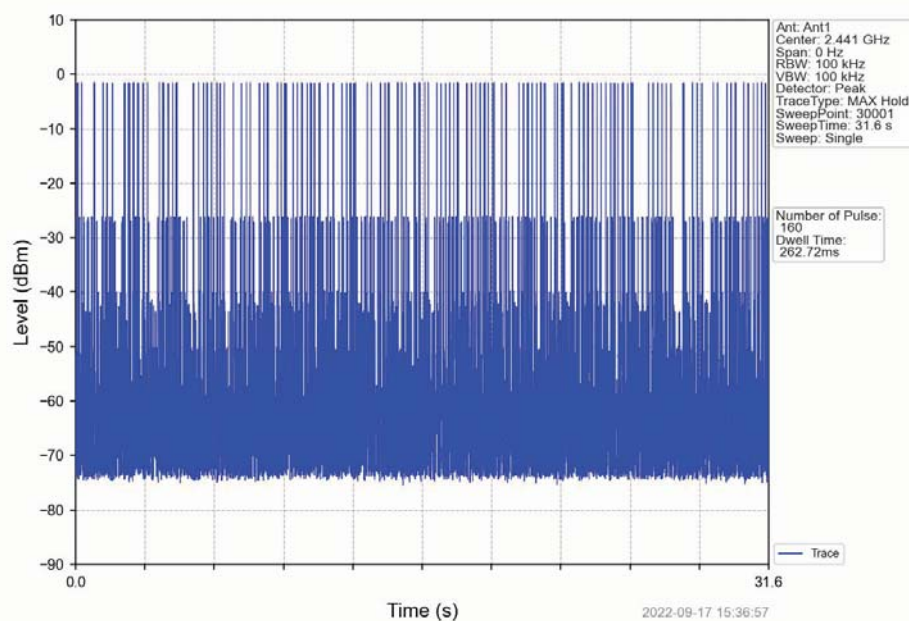
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



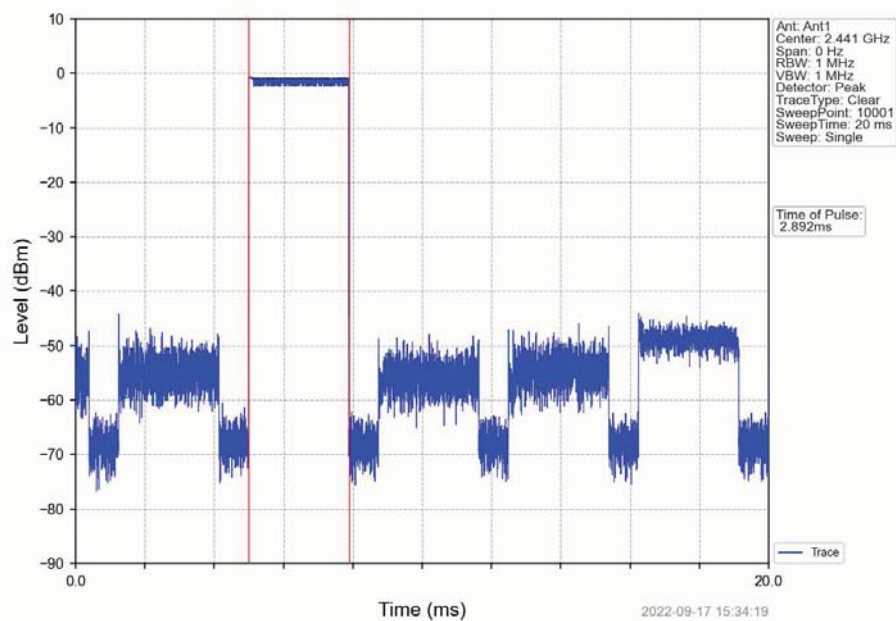
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



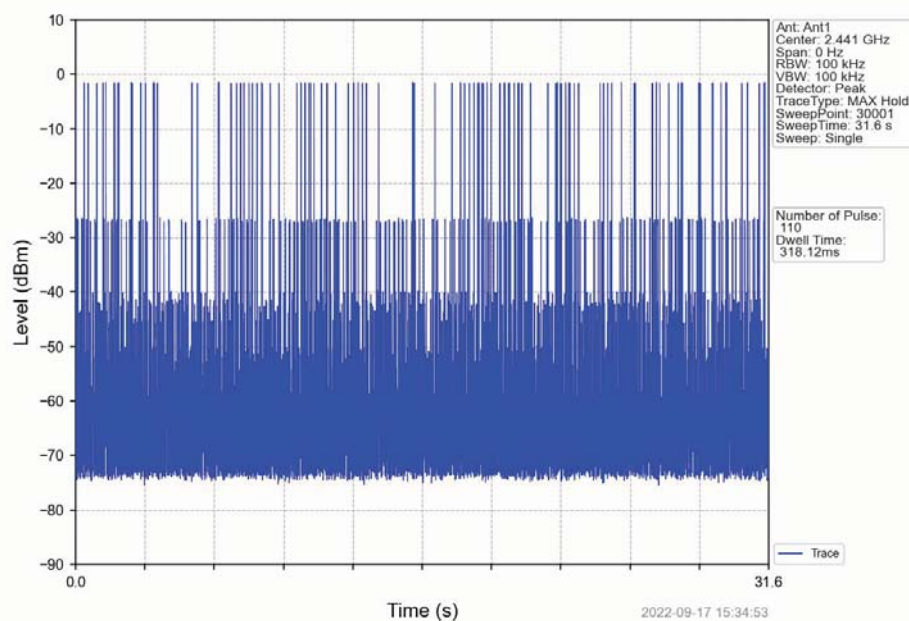
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



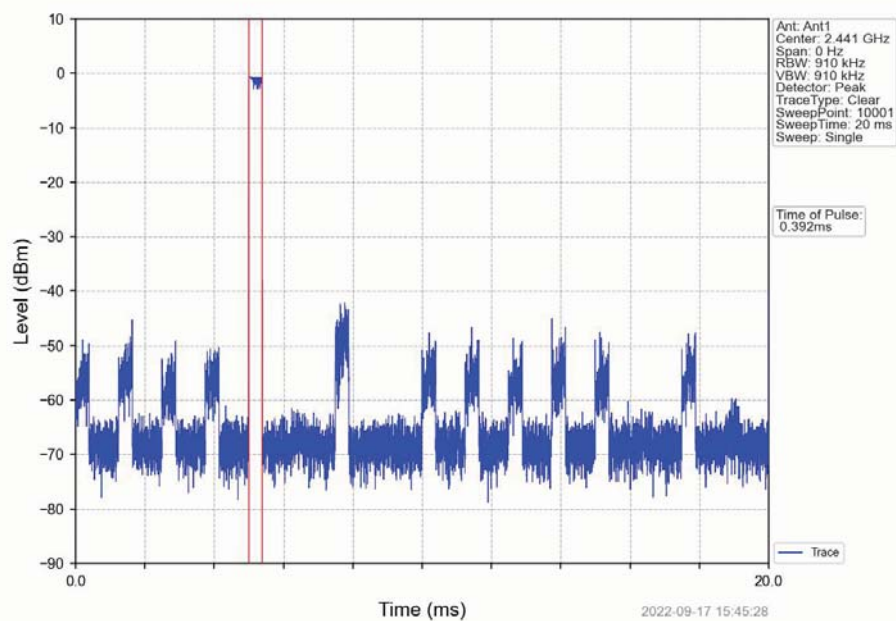
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



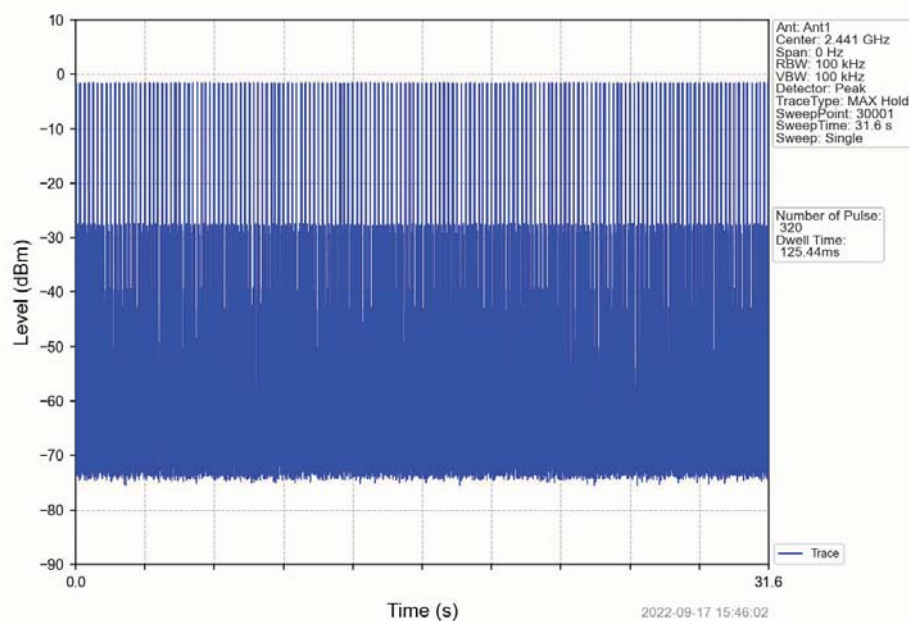
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

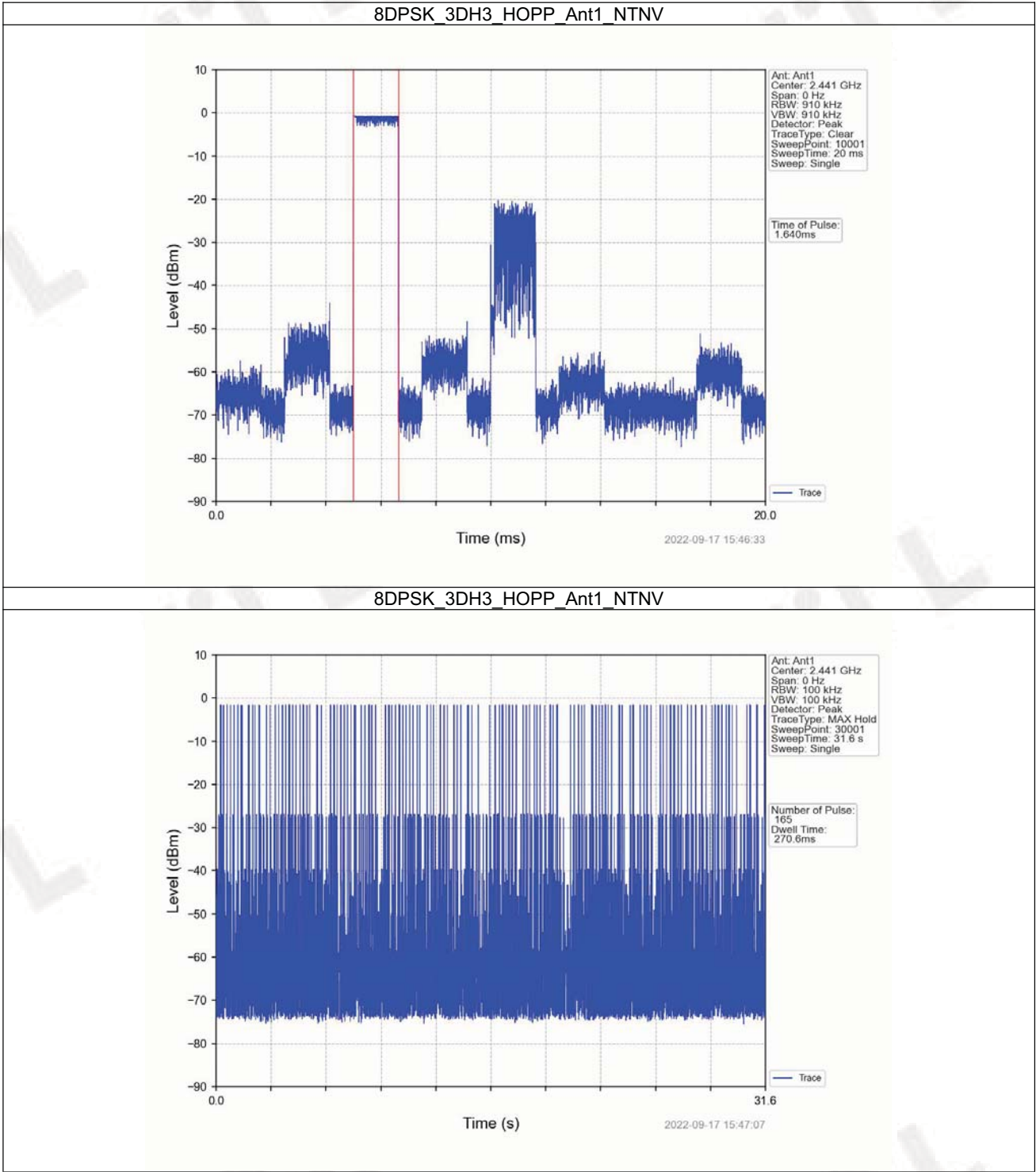


8DPSK_3DH1_HOPP_Ant1_NTNV

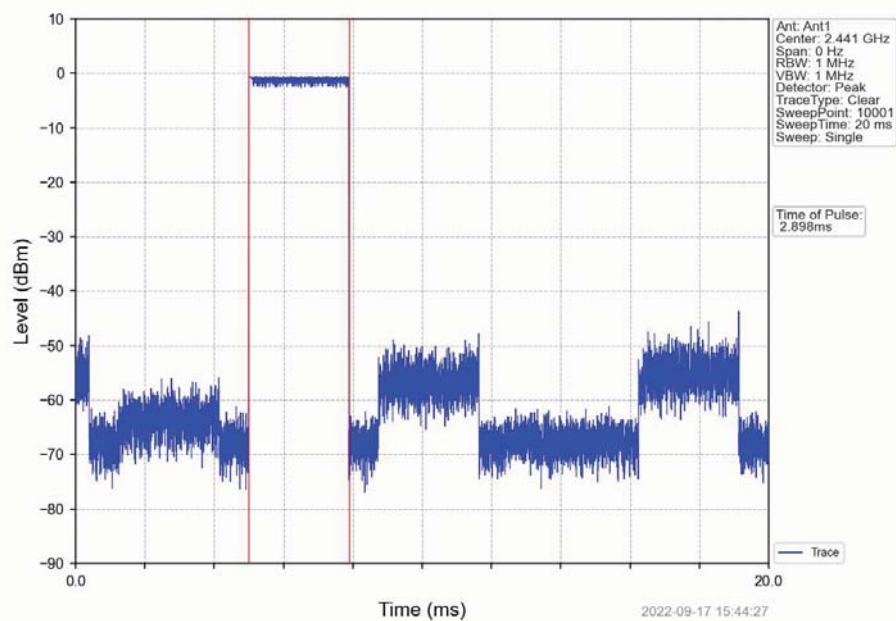


8DPSK_3DH1_HOPP_Ant1_NTNV

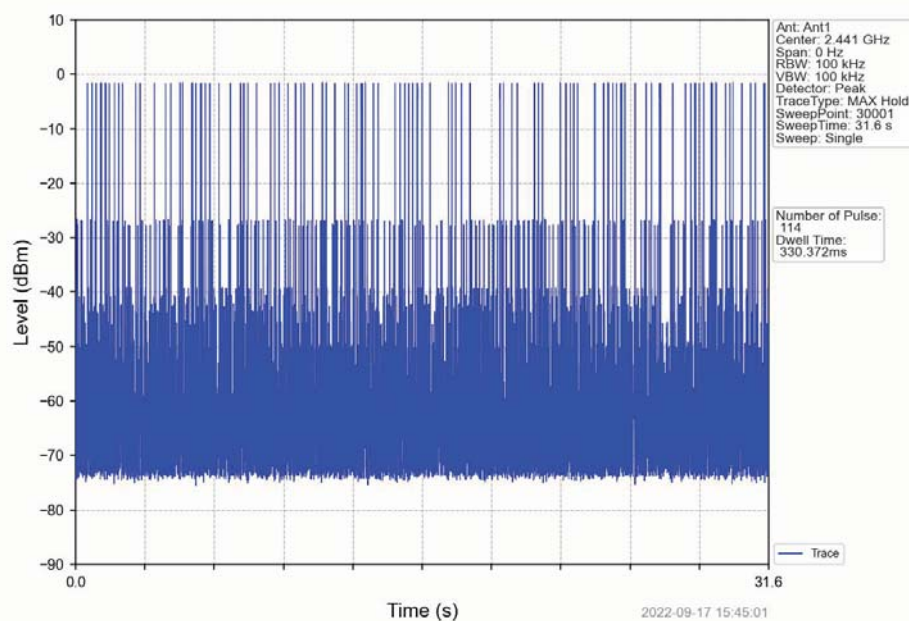




8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



6. Unwanted Emissions In Non-restricted Frequency Bands

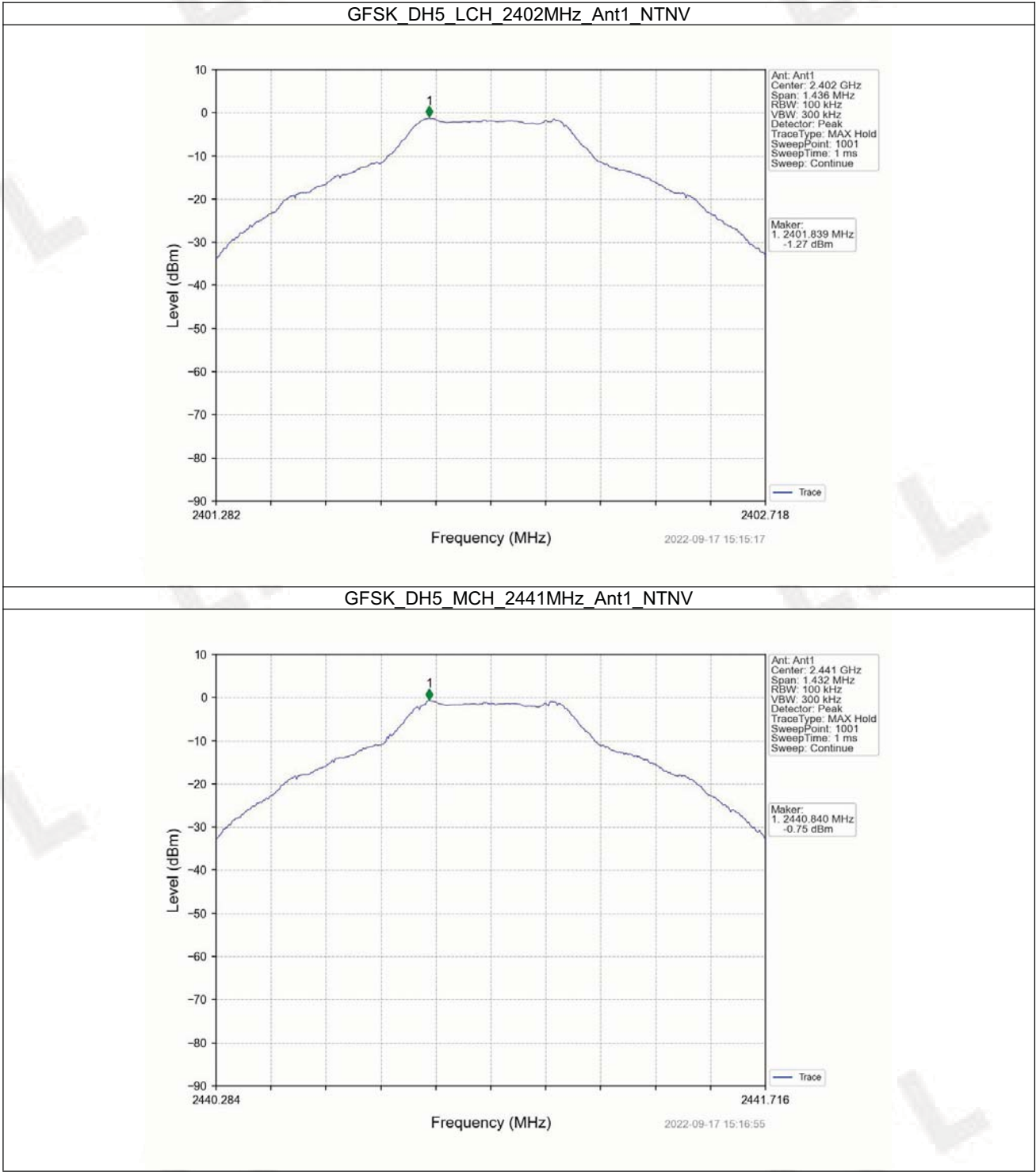
6.1 Ref

6.1.1 Test Result

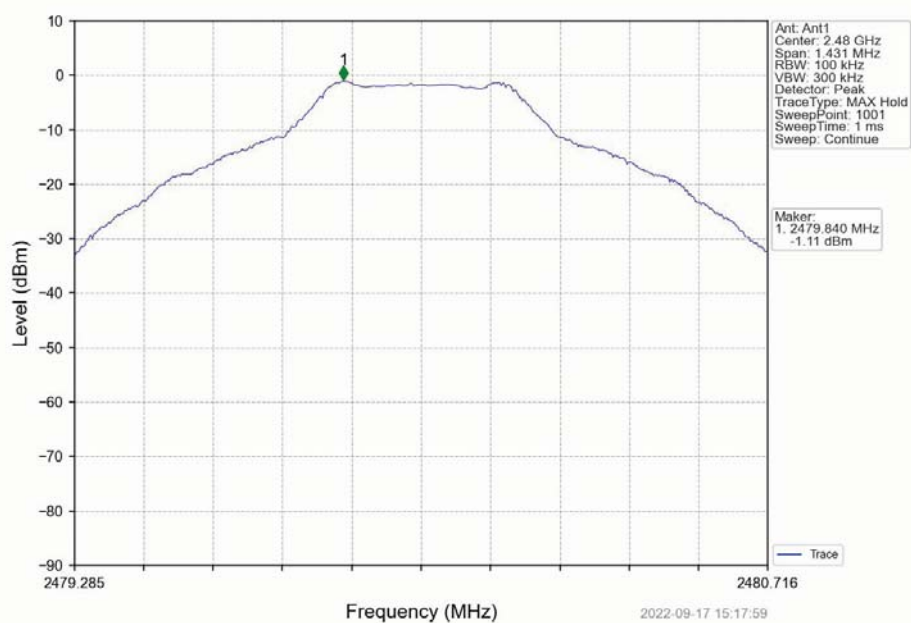
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-1.27
		2441	DH5	1	-0.75
		2480	DH5	1	-1.11
Pi/4DQPSK	SISO	2402	2DH5	1	-1.29
		2441	2DH5	1	-0.78
		2480	2DH5	1	-1.13
8DPSK	SISO	2402	3DH5	1	-1.26
		2441	3DH5	1	-0.75
		2480	3DH5	1	-1.11

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.

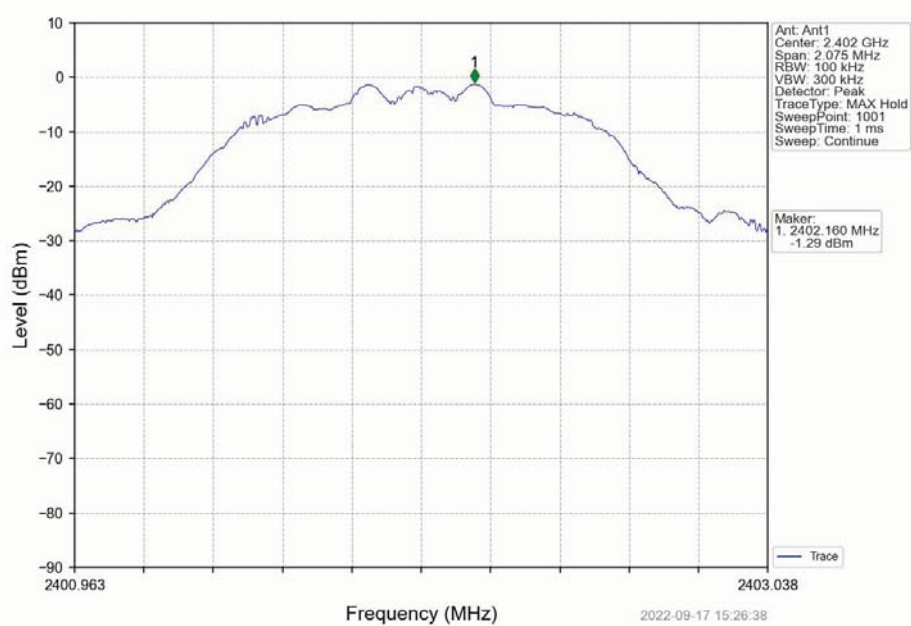
6.1.2 Test Graph



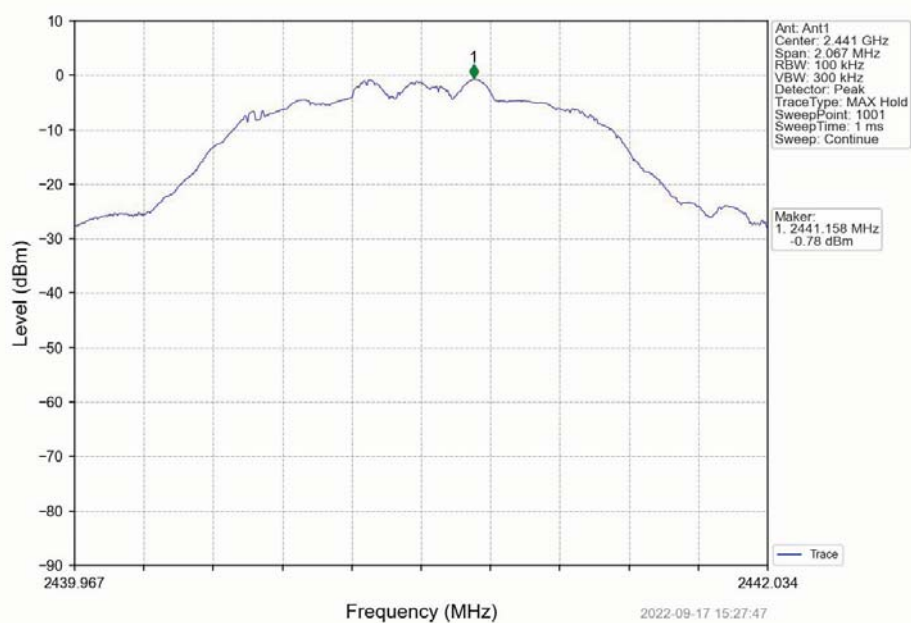
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



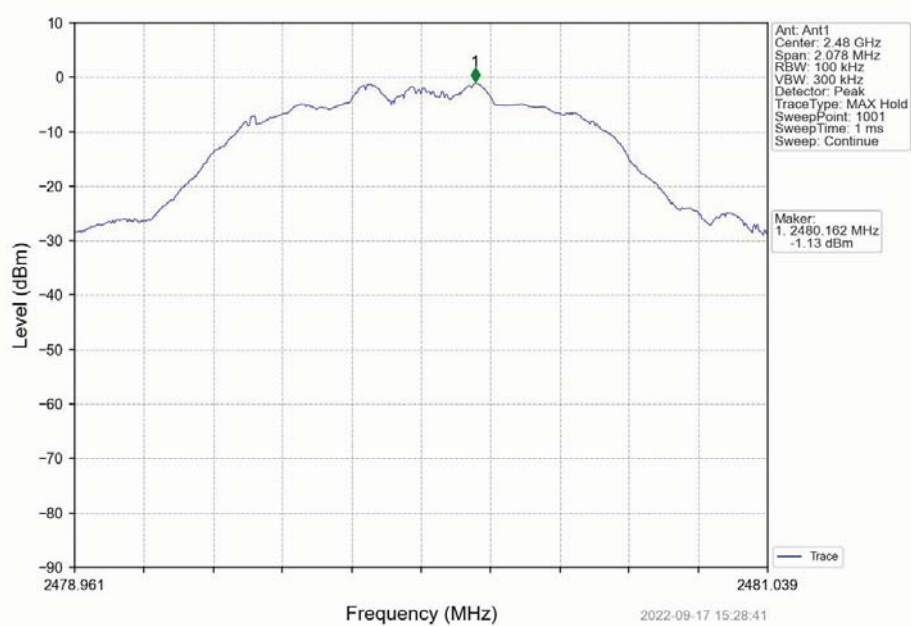
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



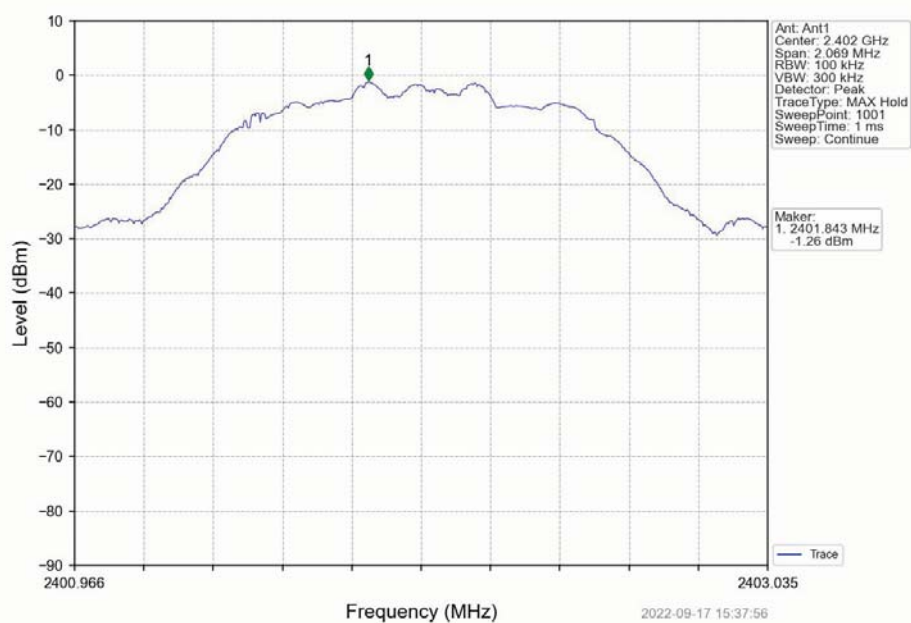
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



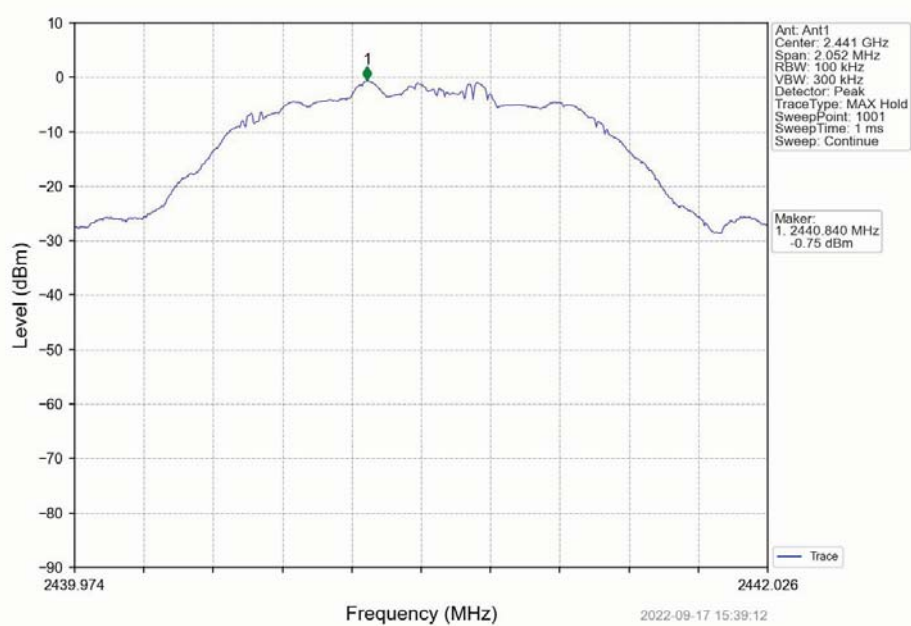
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

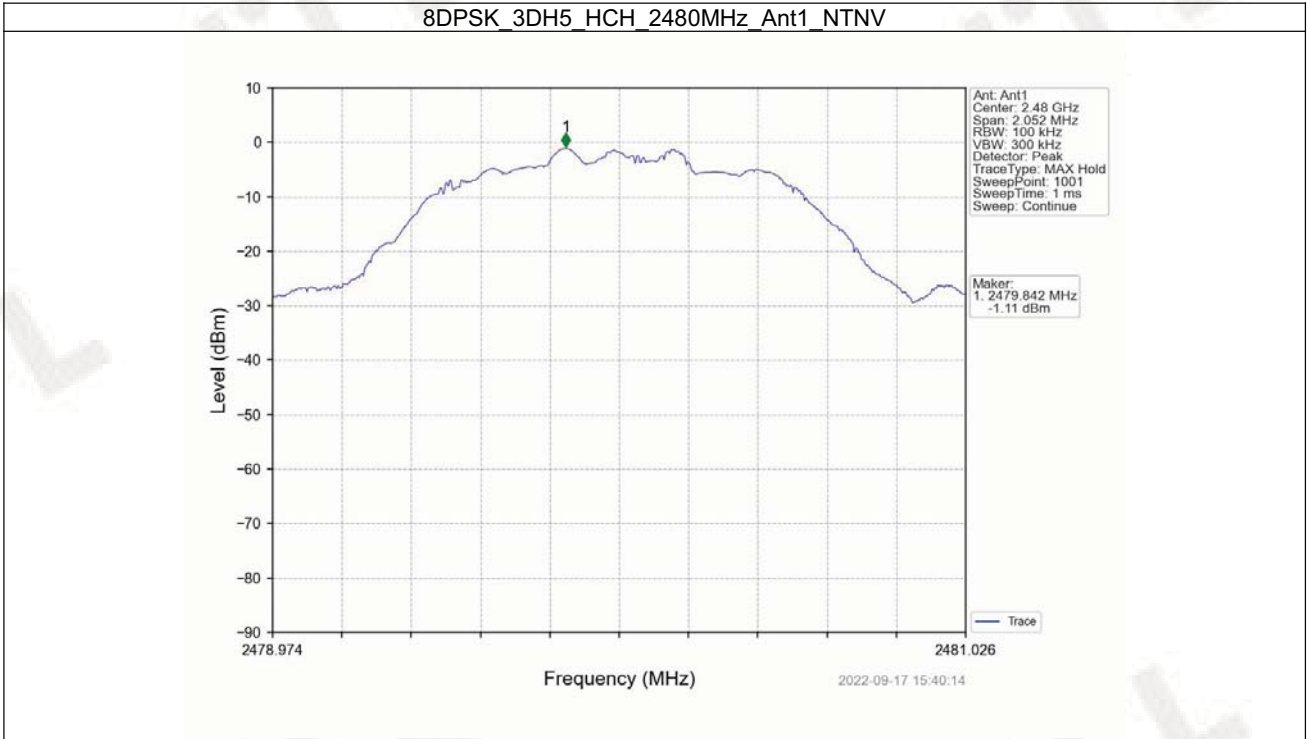


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





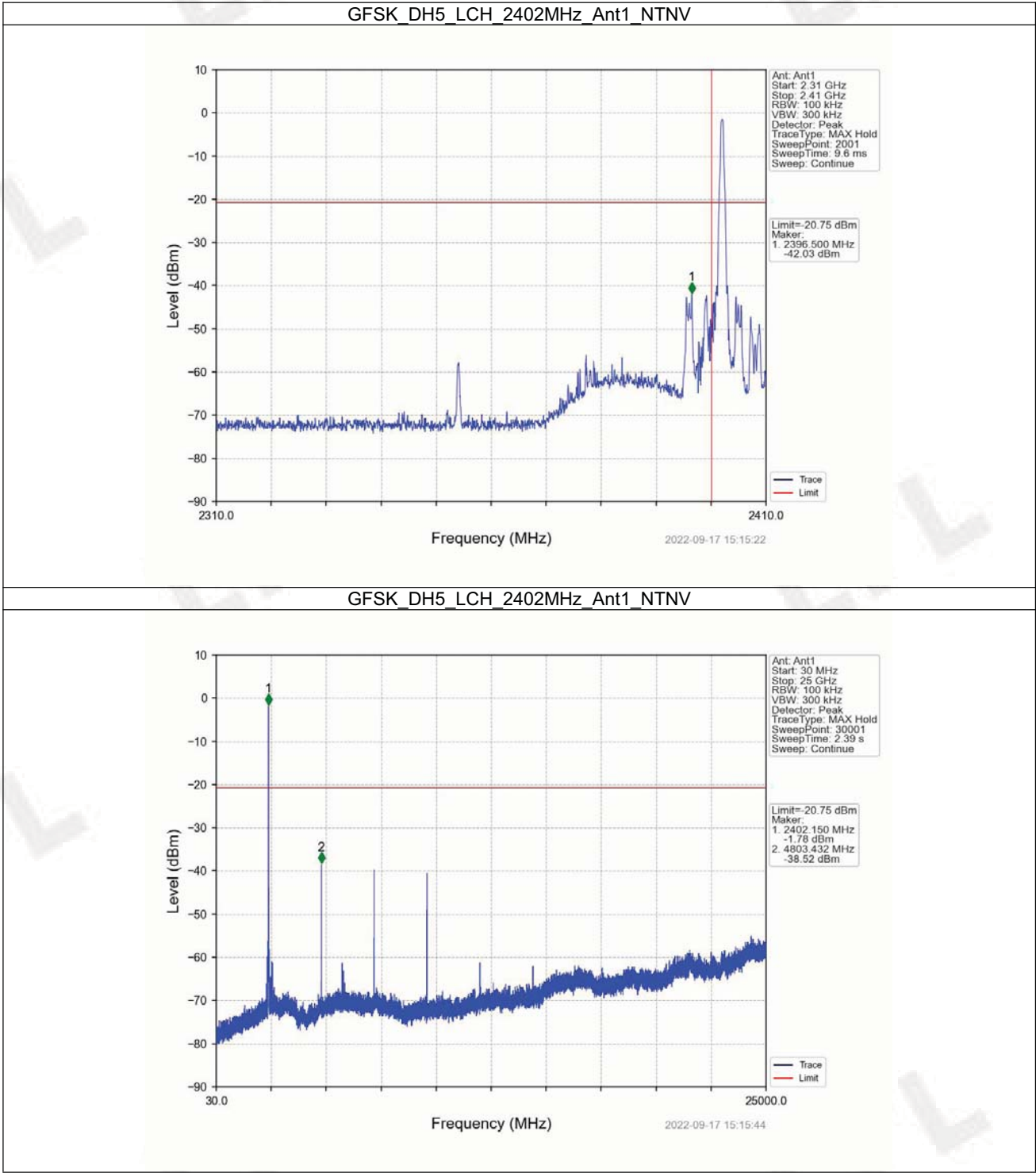
6.2 CSE

6.2.1 Test Result

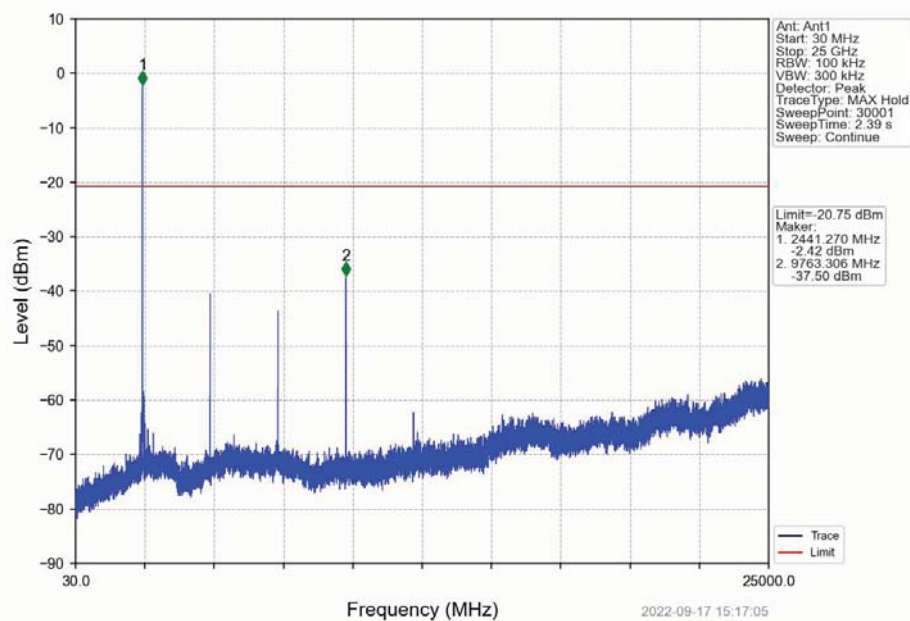
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-0.75	-20.75	Pass
		2441	DH5	1	-0.75	-20.75	Pass
		2480	DH5	1	-0.75	-20.75	Pass
		HOPP	DH5	1	-0.75	-20.75	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-0.78	-20.78	Pass
		2441	2DH5	1	-0.78	-20.78	Pass
		2480	2DH5	1	-0.78	-20.78	Pass
		HOPP	2DH5	1	-0.78	-20.78	Pass
8DPSK	SISO	2402	3DH5	1	-0.75	-20.75	Pass
		2441	3DH5	1	-0.75	-20.75	Pass
		2480	3DH5	1	-0.75	-20.75	Pass
		HOPP	3DH5	1	-0.75	-20.75	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.

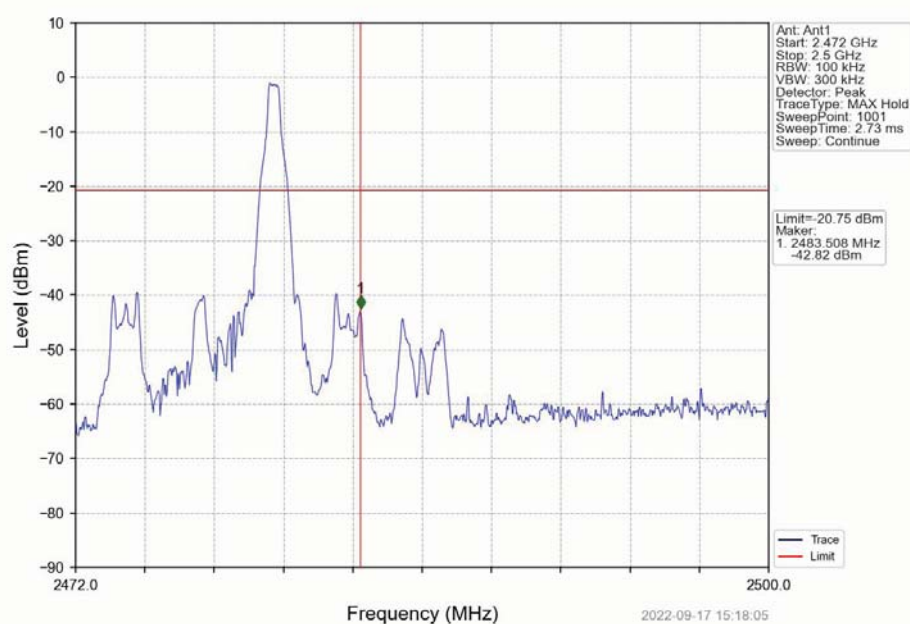
6.2.2 Test Graph

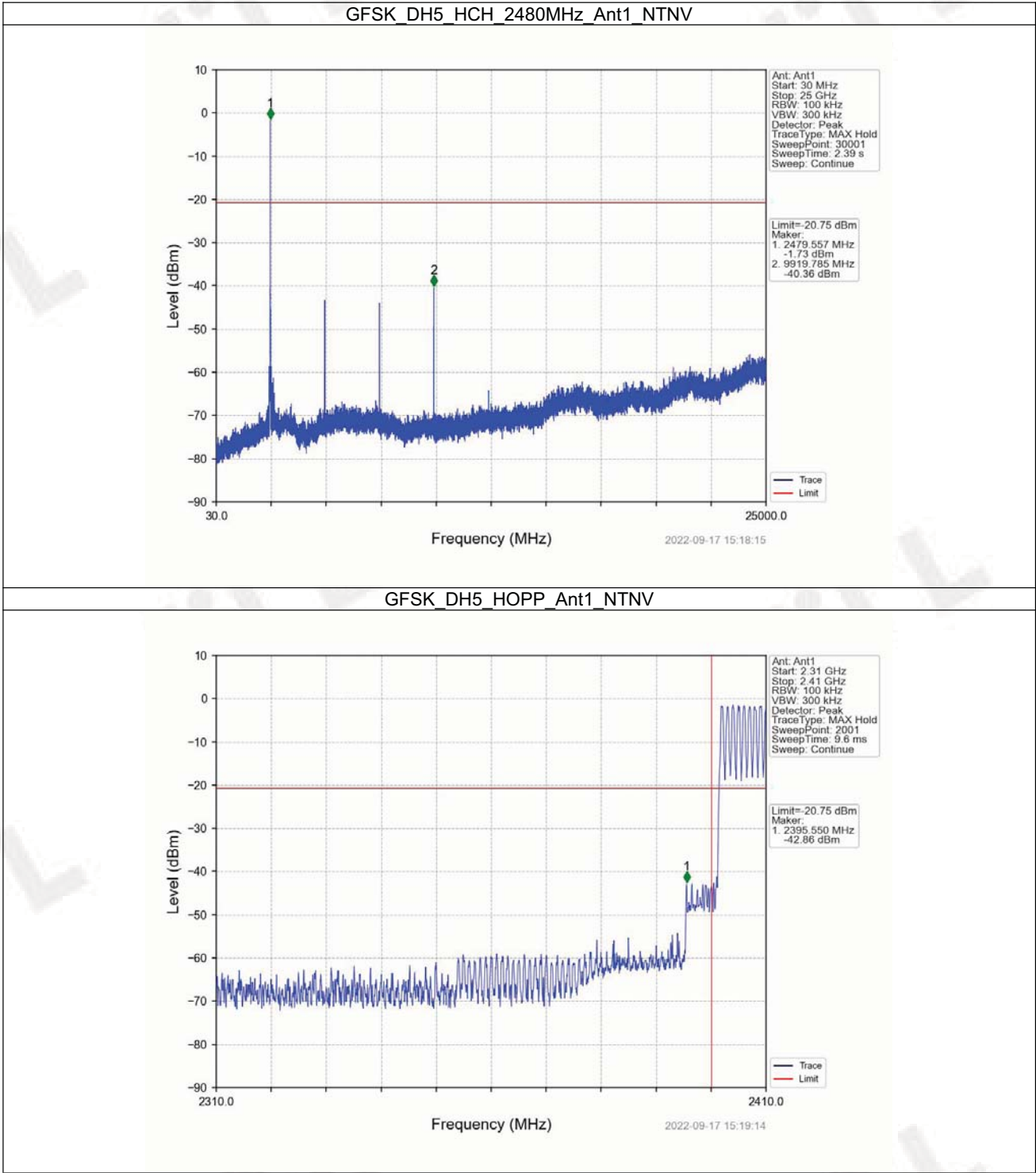


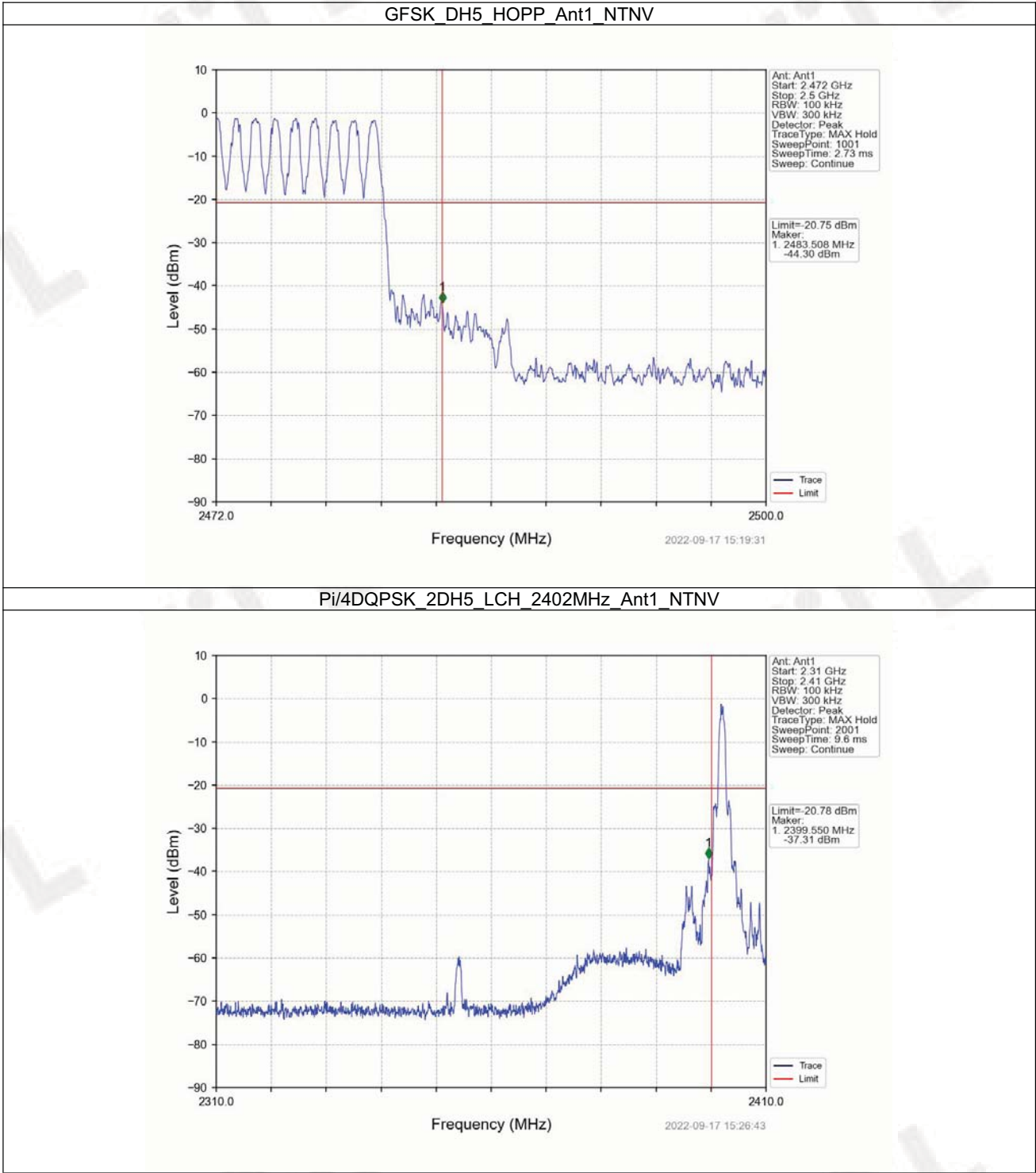
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



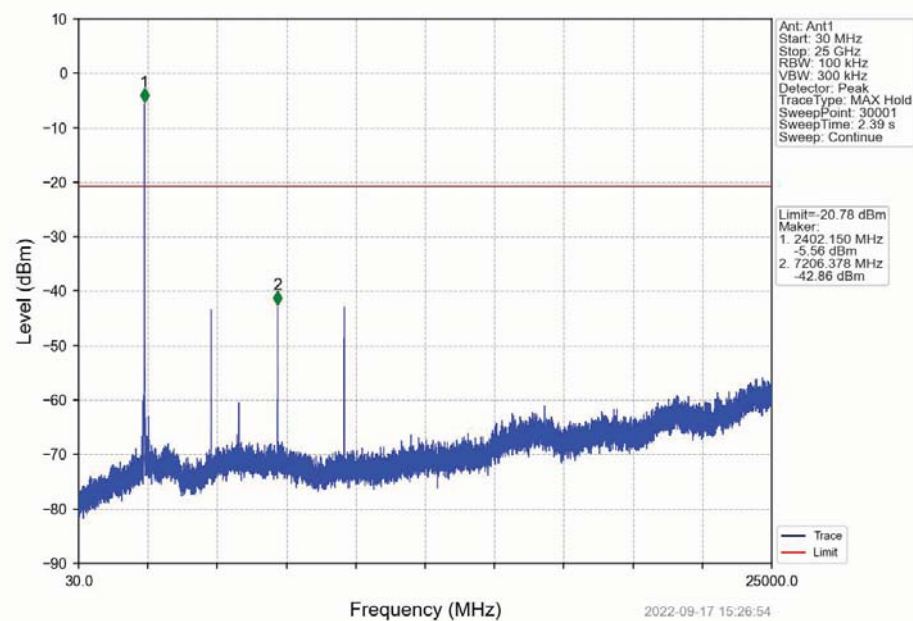
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



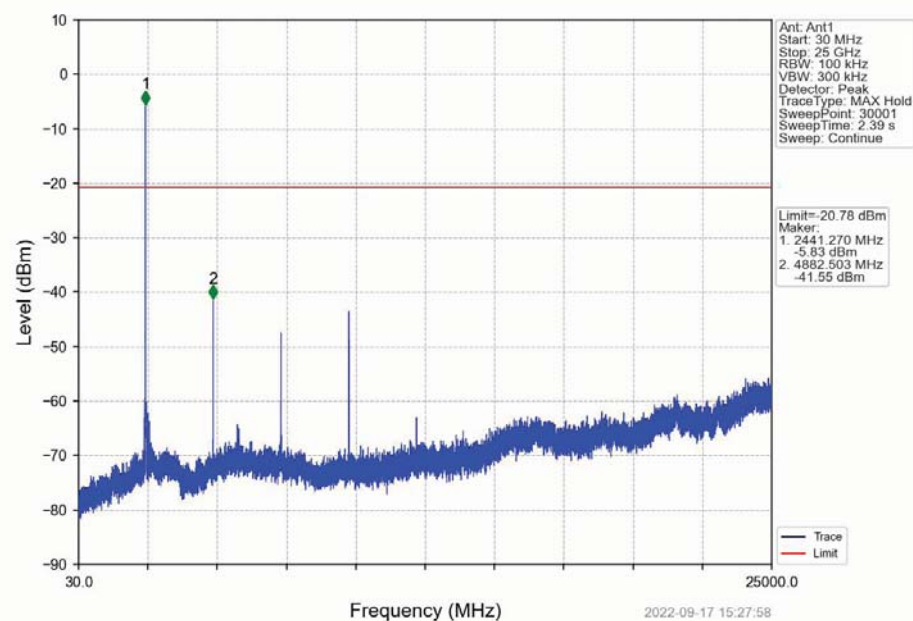




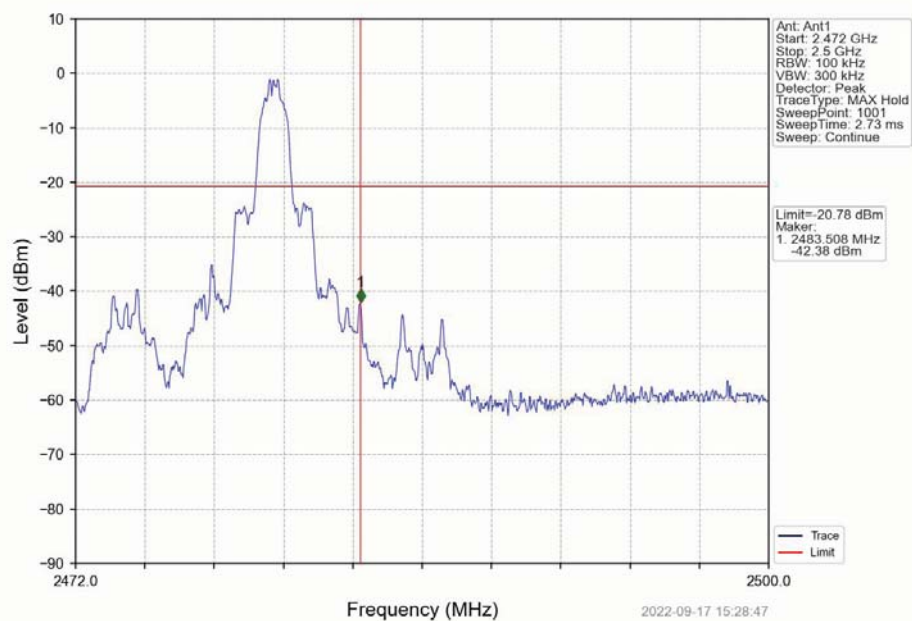
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



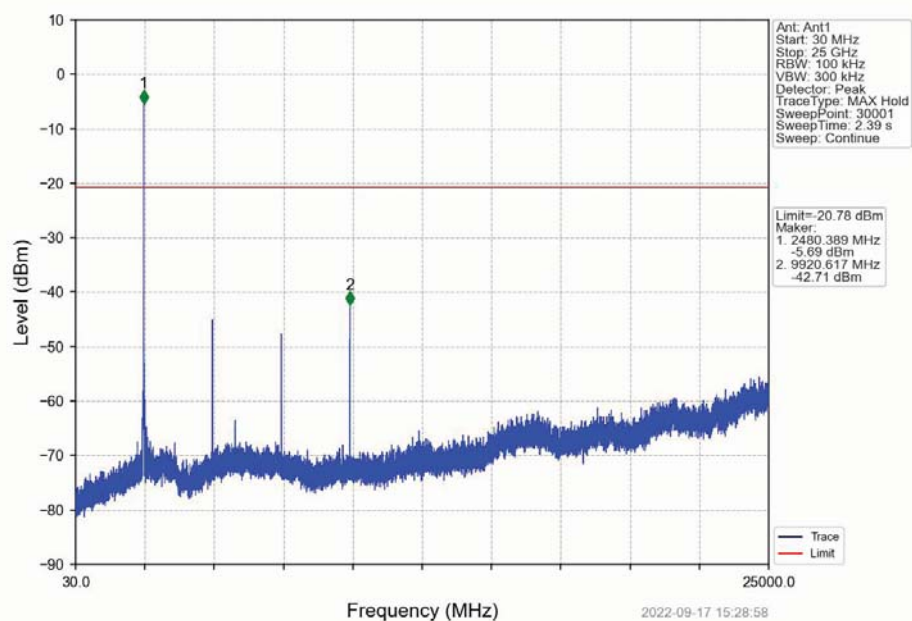
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



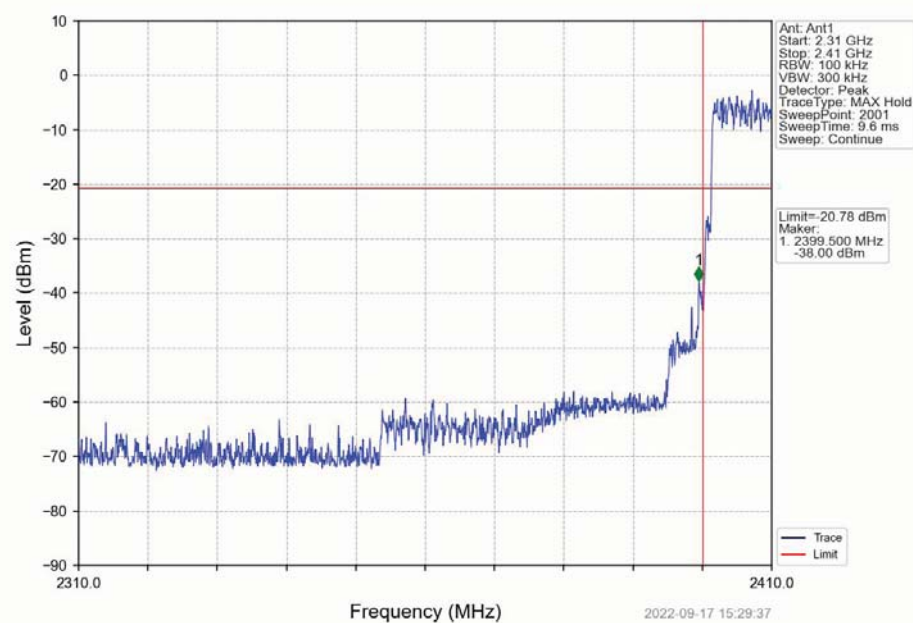
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

