

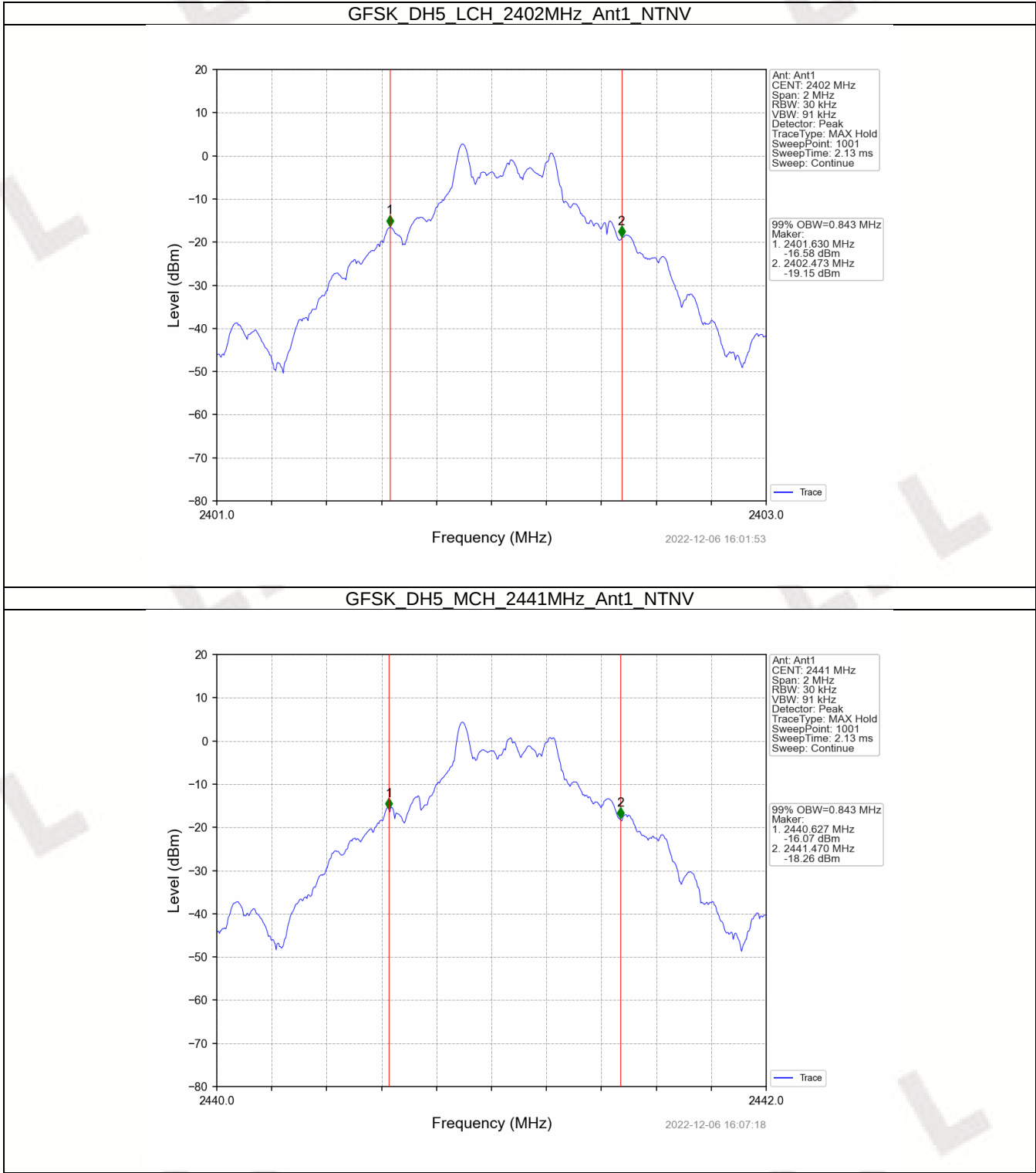
1. Bandwidth

1.1 OBW

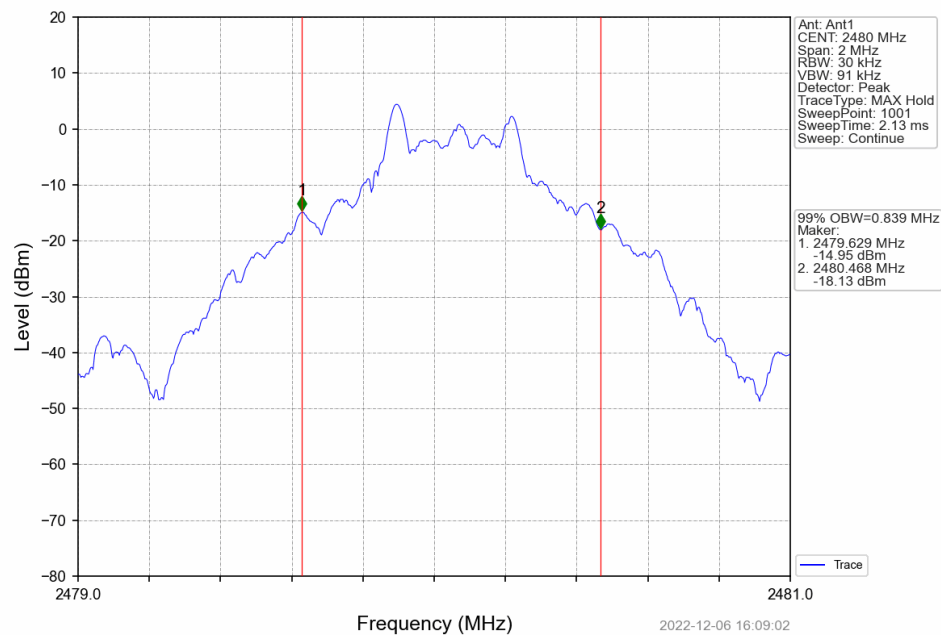
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.843	Pass
		2441	DH5	1	0.843	Pass
		2480	DH5	1	0.839	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.095	Pass
		2441	2DH5	1	1.094	Pass
		2480	2DH5	1	1.096	Pass
8DPSK	SISO	2402	3DH5	1	1.095	Pass
		2441	3DH5	1	1.095	Pass
		2480	3DH5	1	1.097	Pass

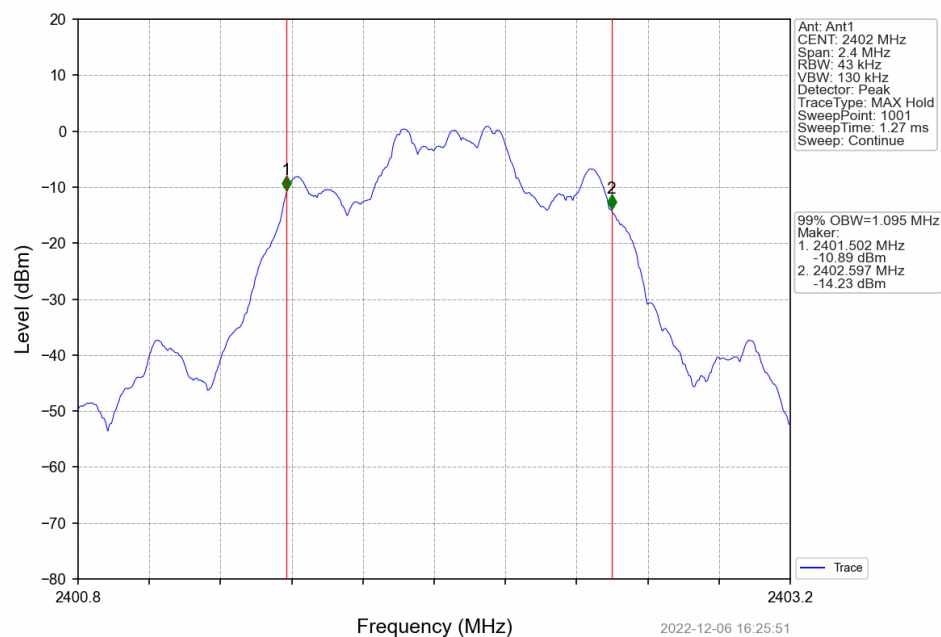
1.1.2 Test Graph

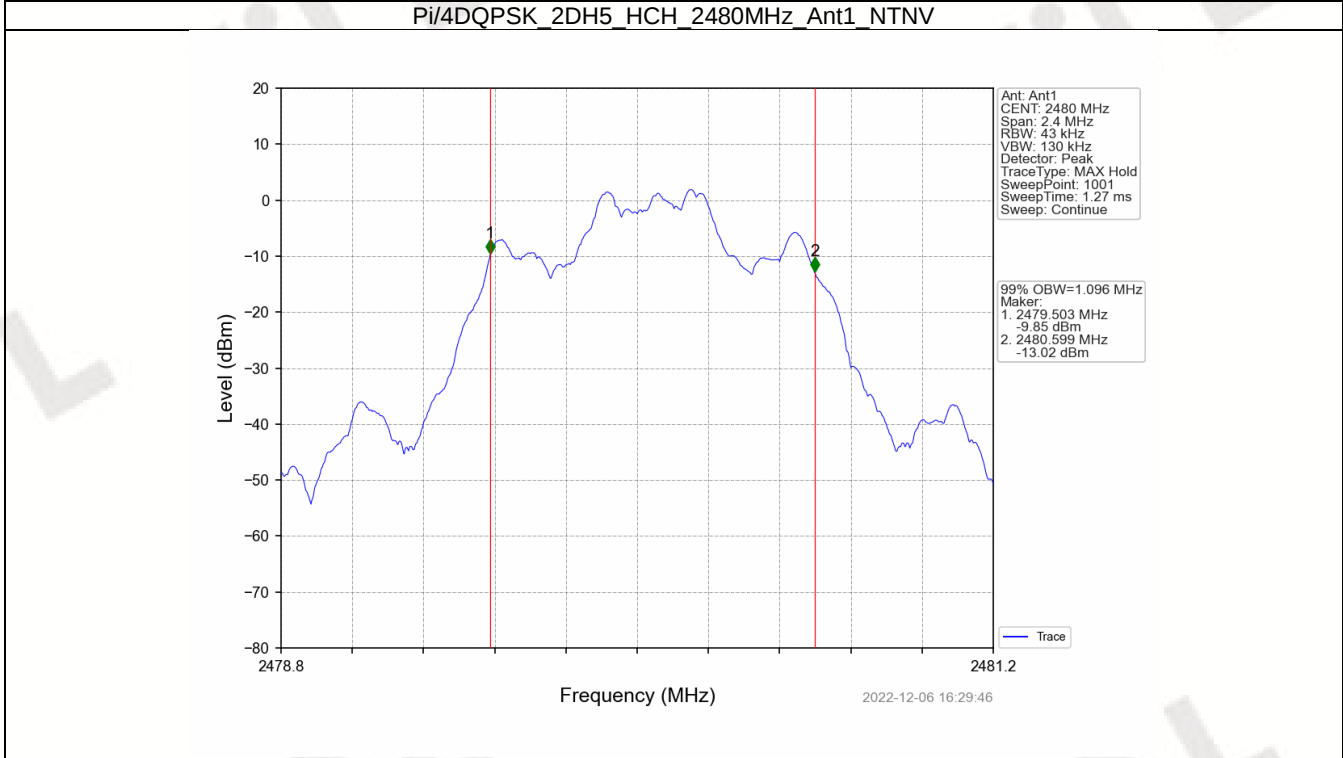
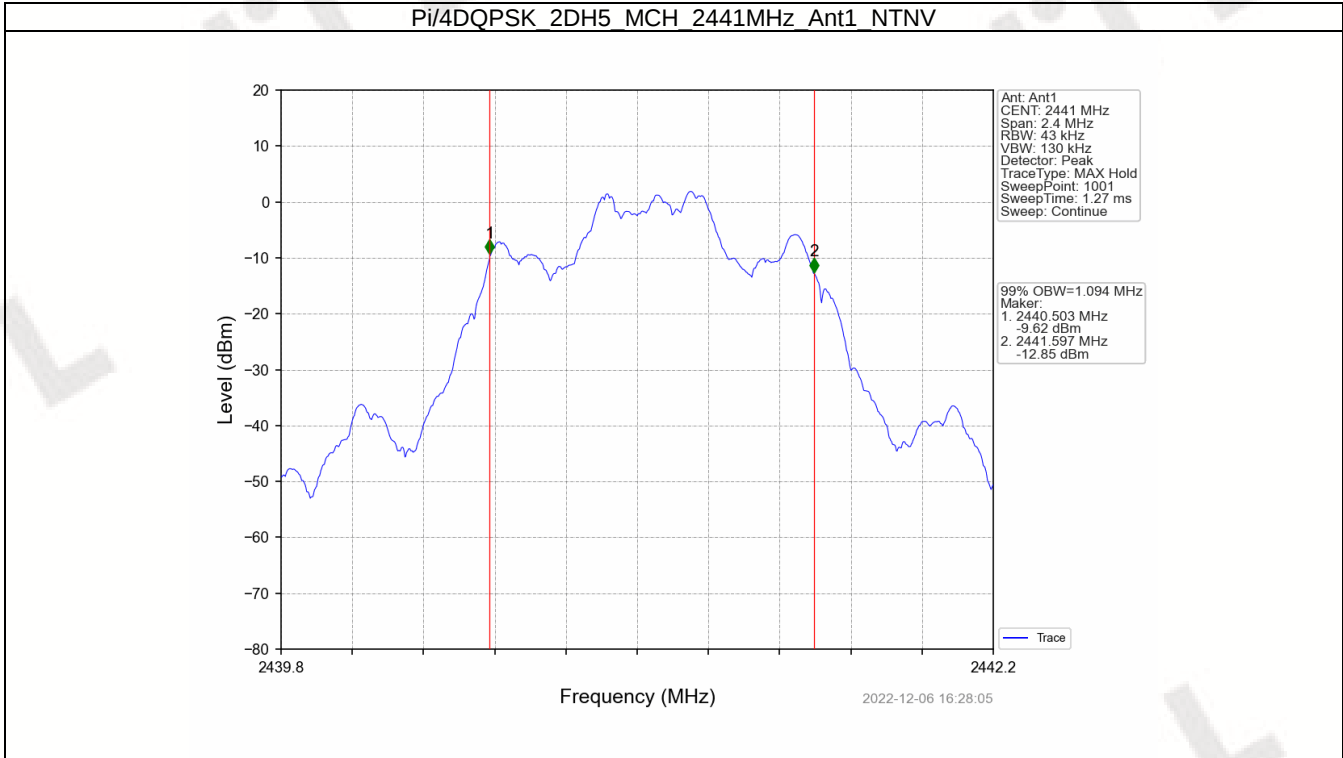


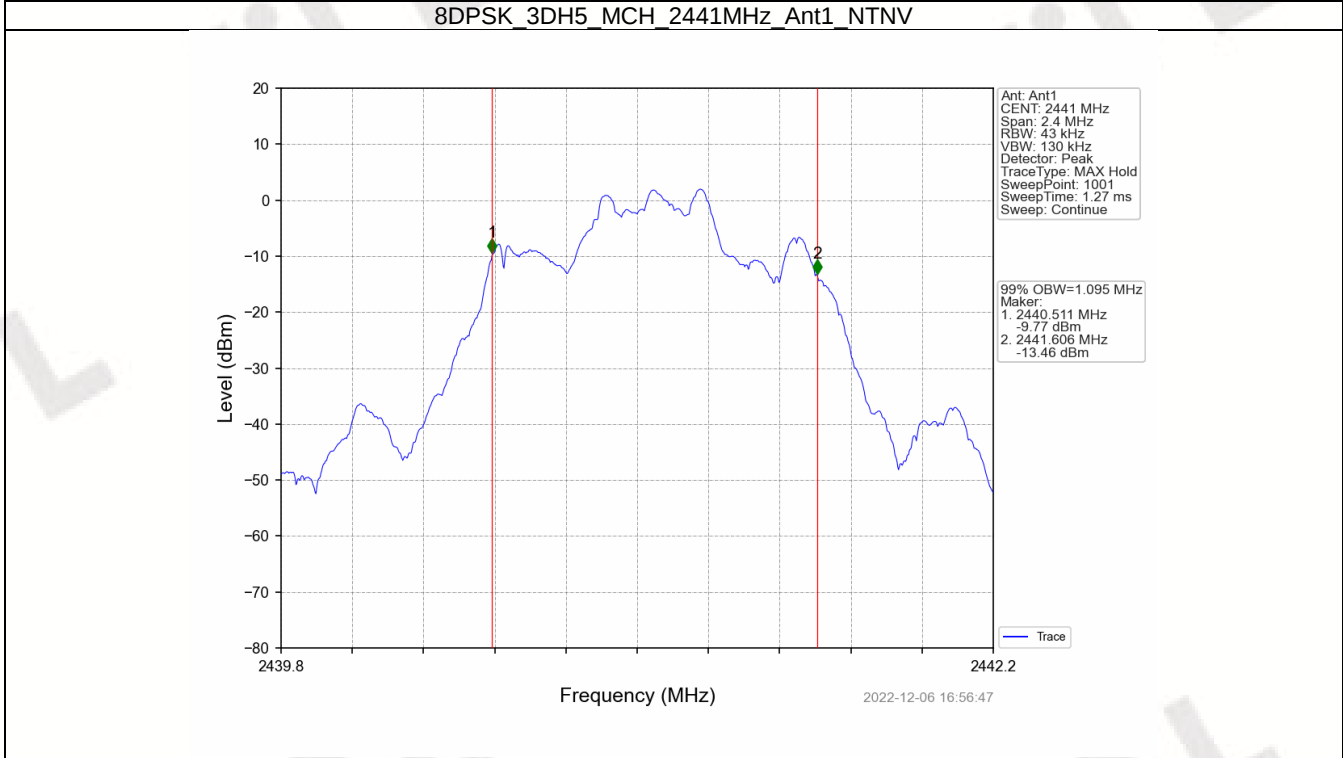
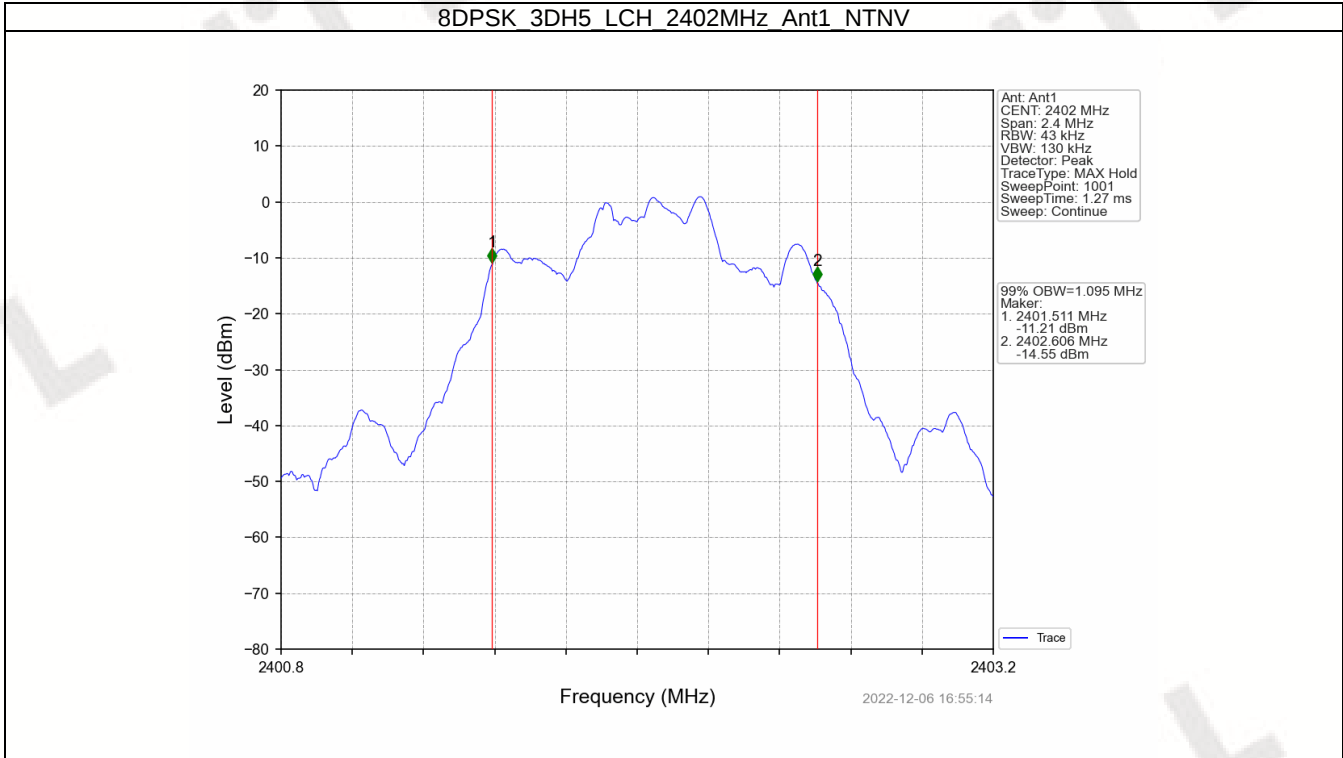
GFSK DH5 HCH 2480MHz Ant1 NTN

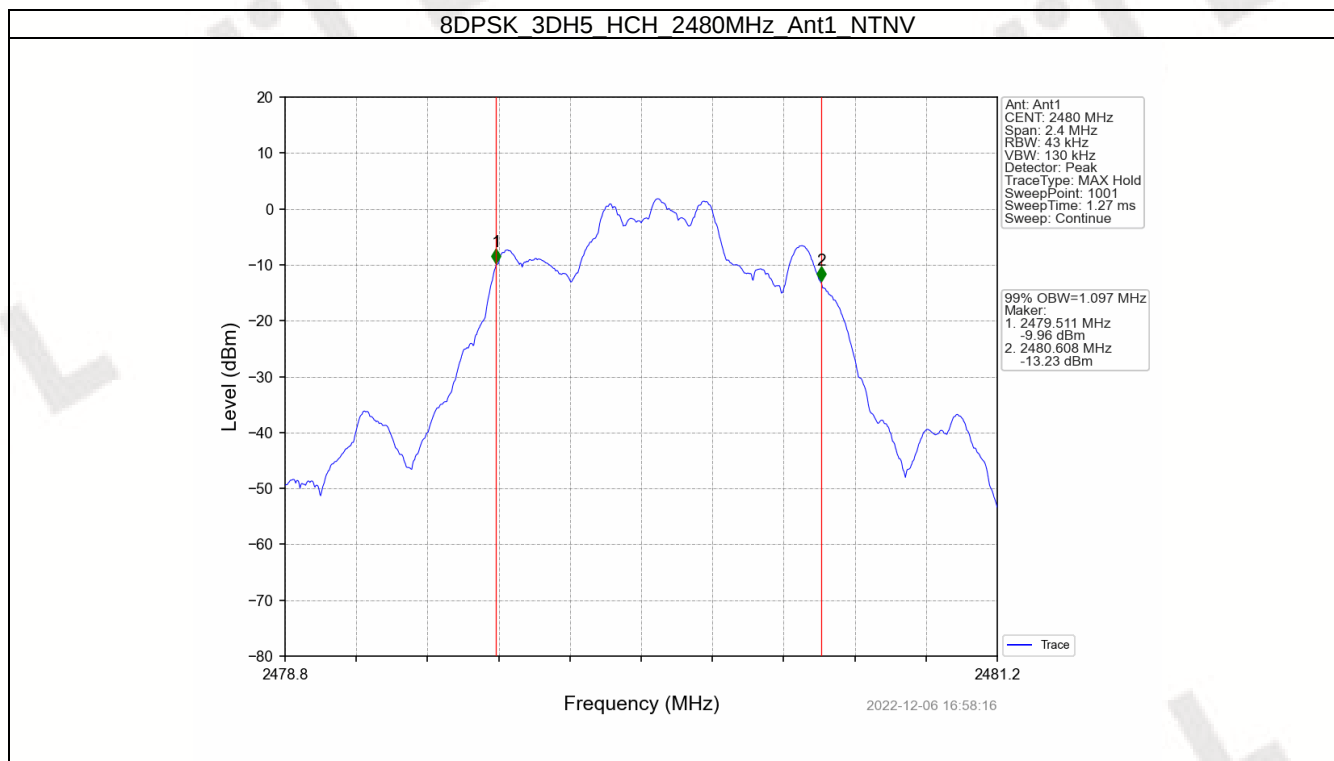


PI/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN







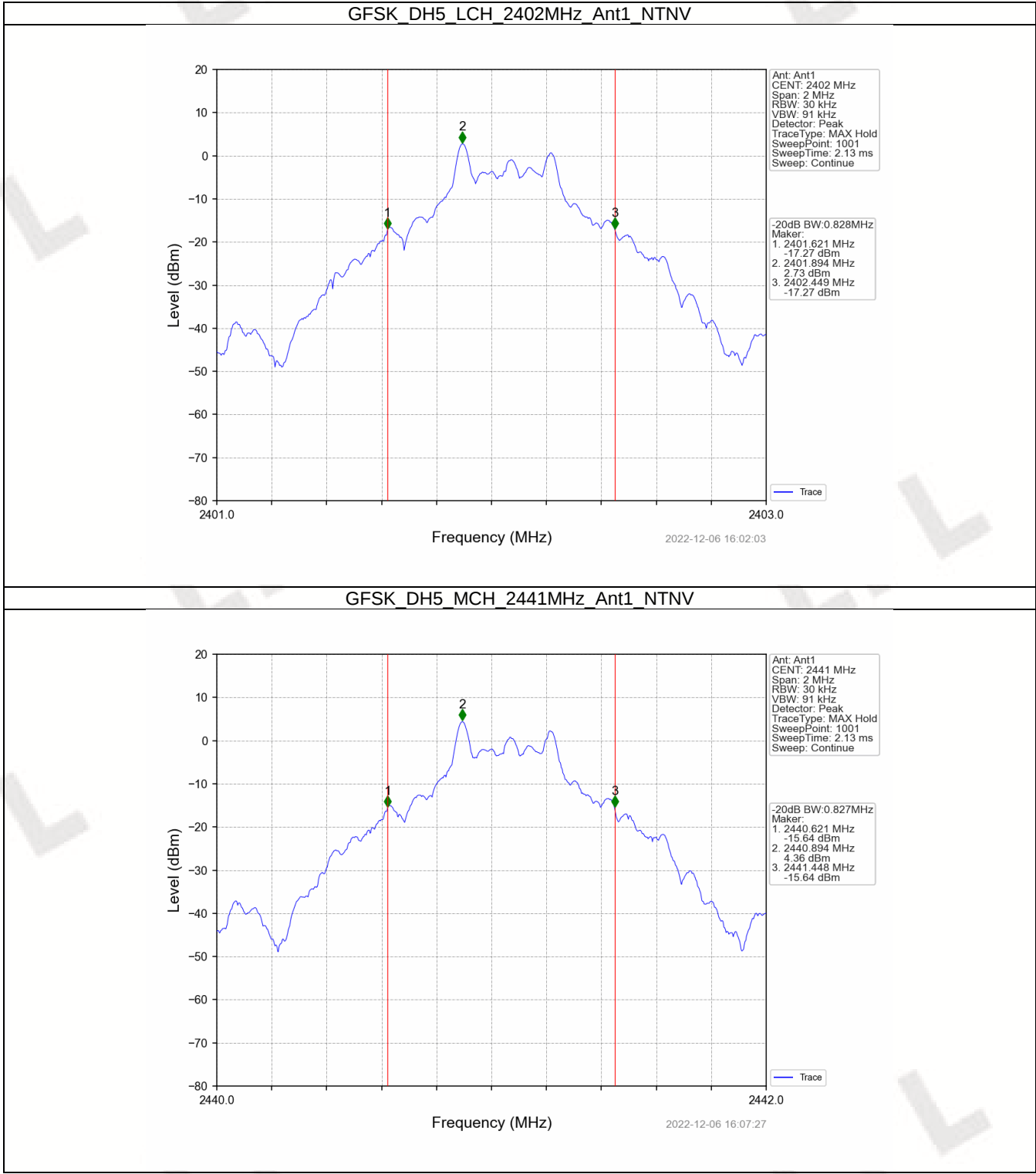


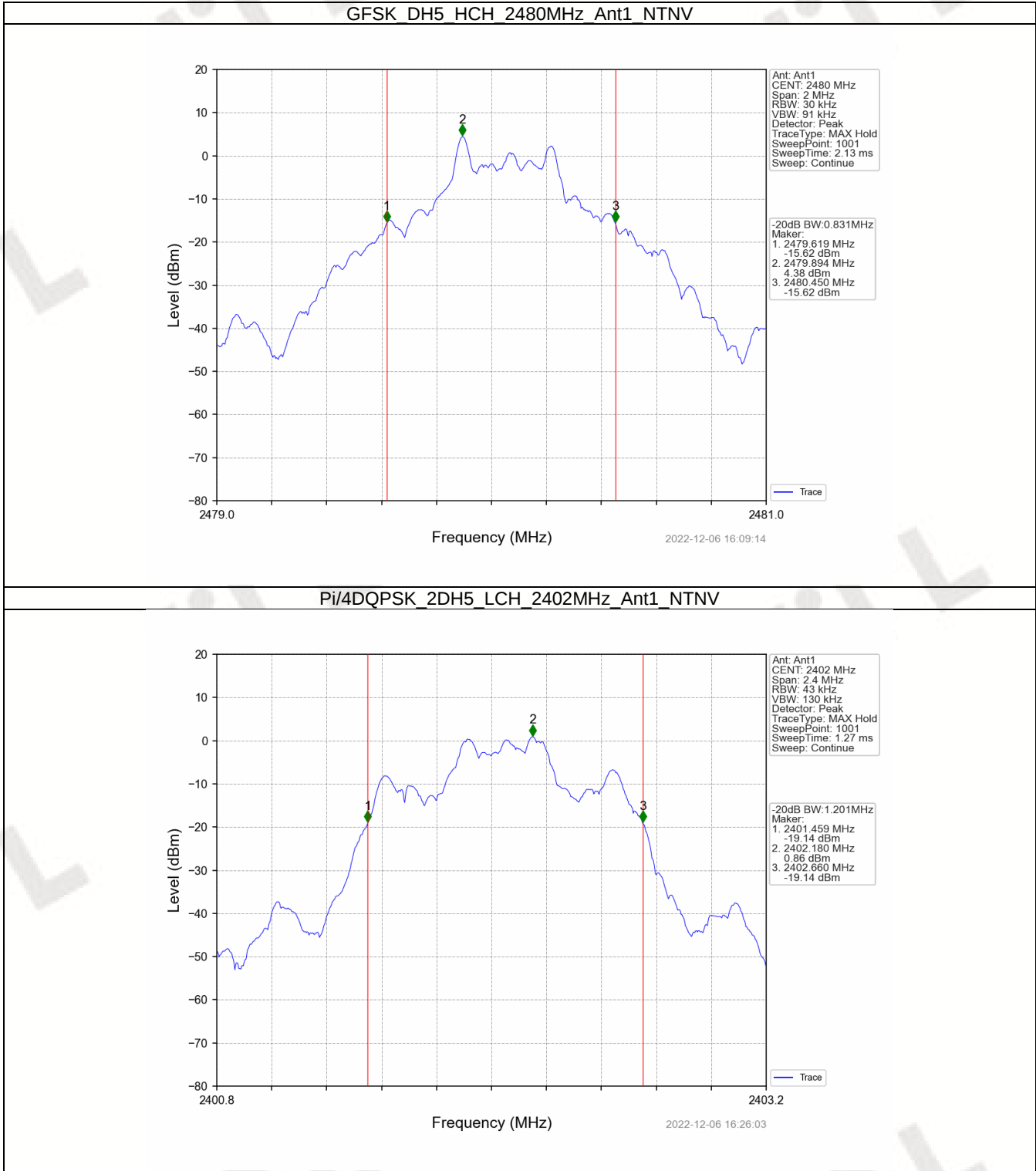
1.2 20dB BW

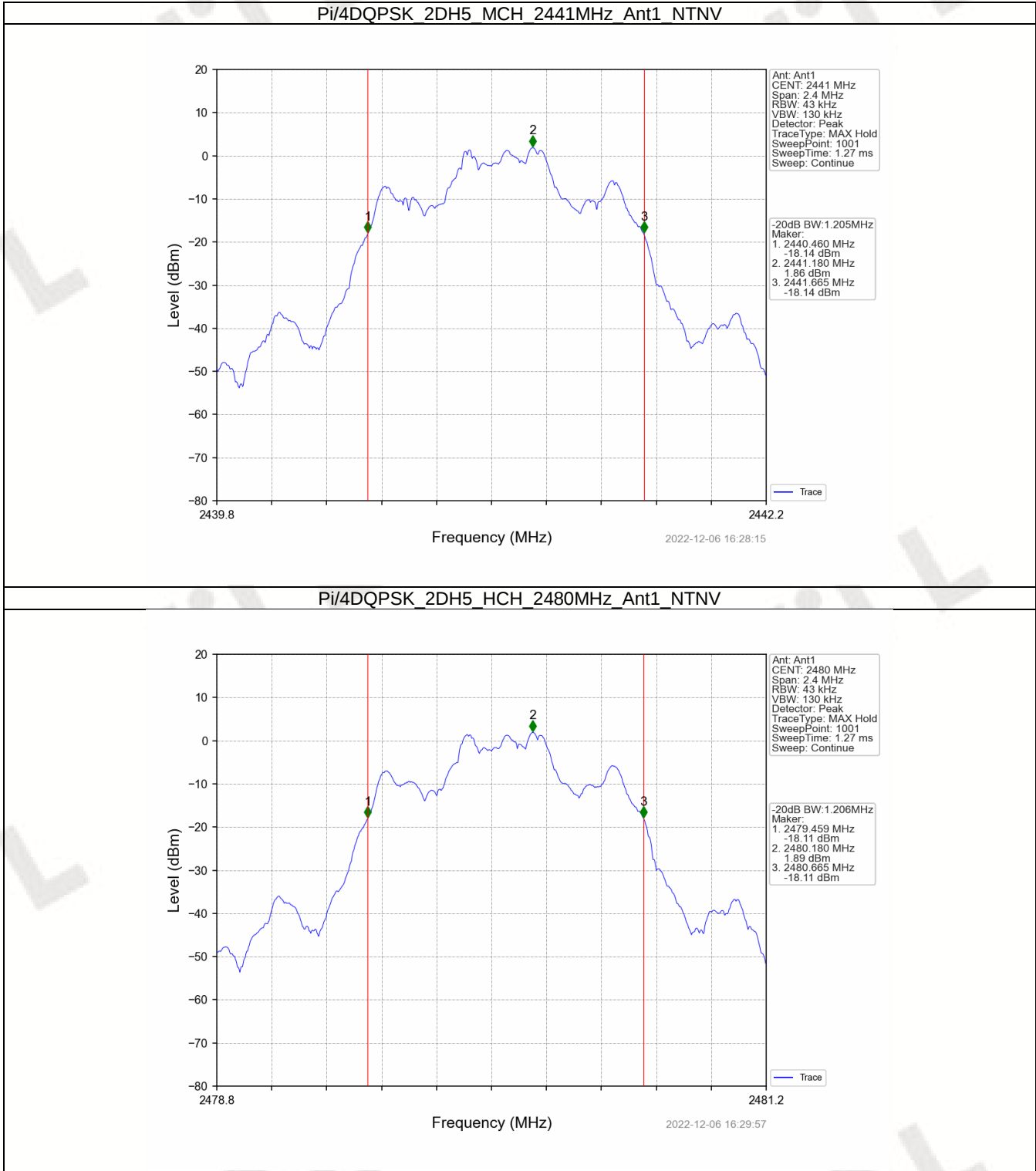
1.2.1 Test Result

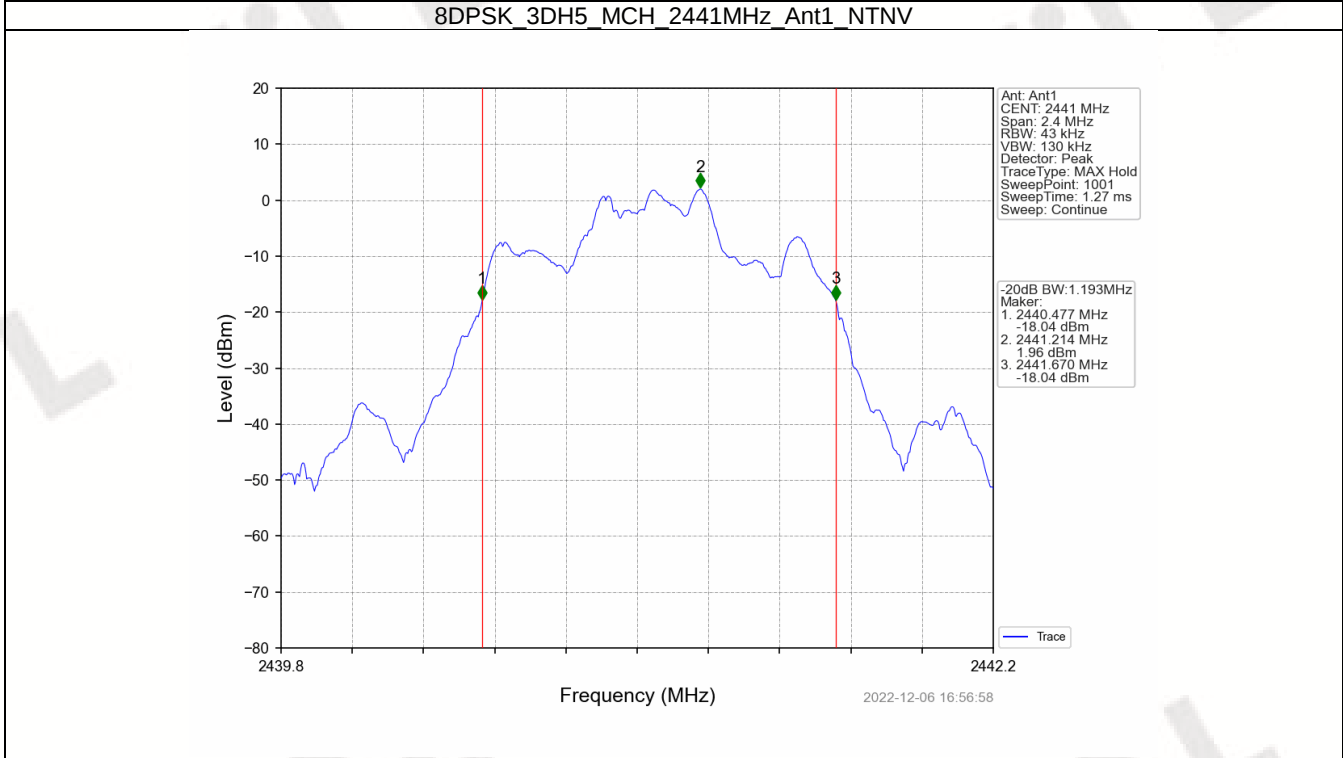
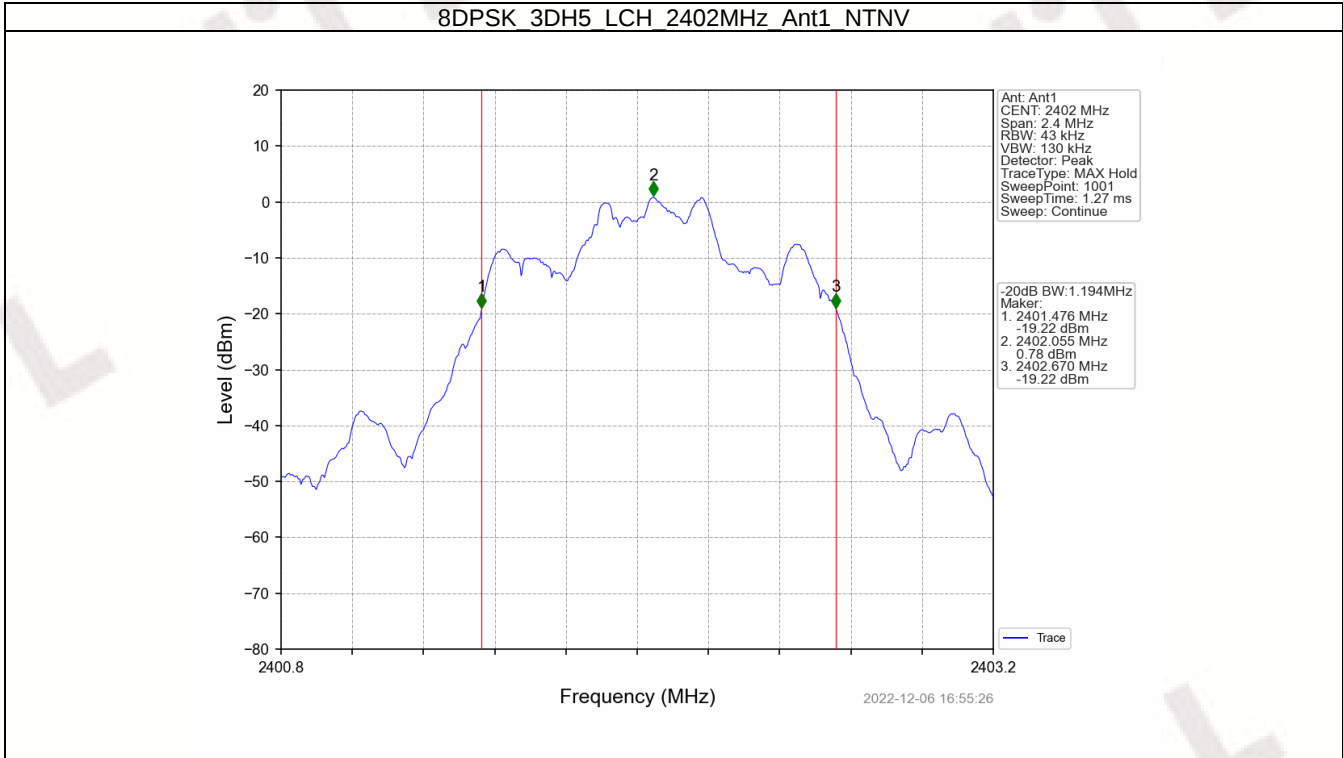
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.828	Pass
		2441	DH5	1	0.827	Pass
		2480	DH5	1	0.831	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.201	Pass
		2441	2DH5	1	1.205	Pass
		2480	2DH5	1	1.206	Pass
8DPSK	SISO	2402	3DH5	1	1.194	Pass
		2441	3DH5	1	1.193	Pass
		2480	3DH5	1	1.193	Pass

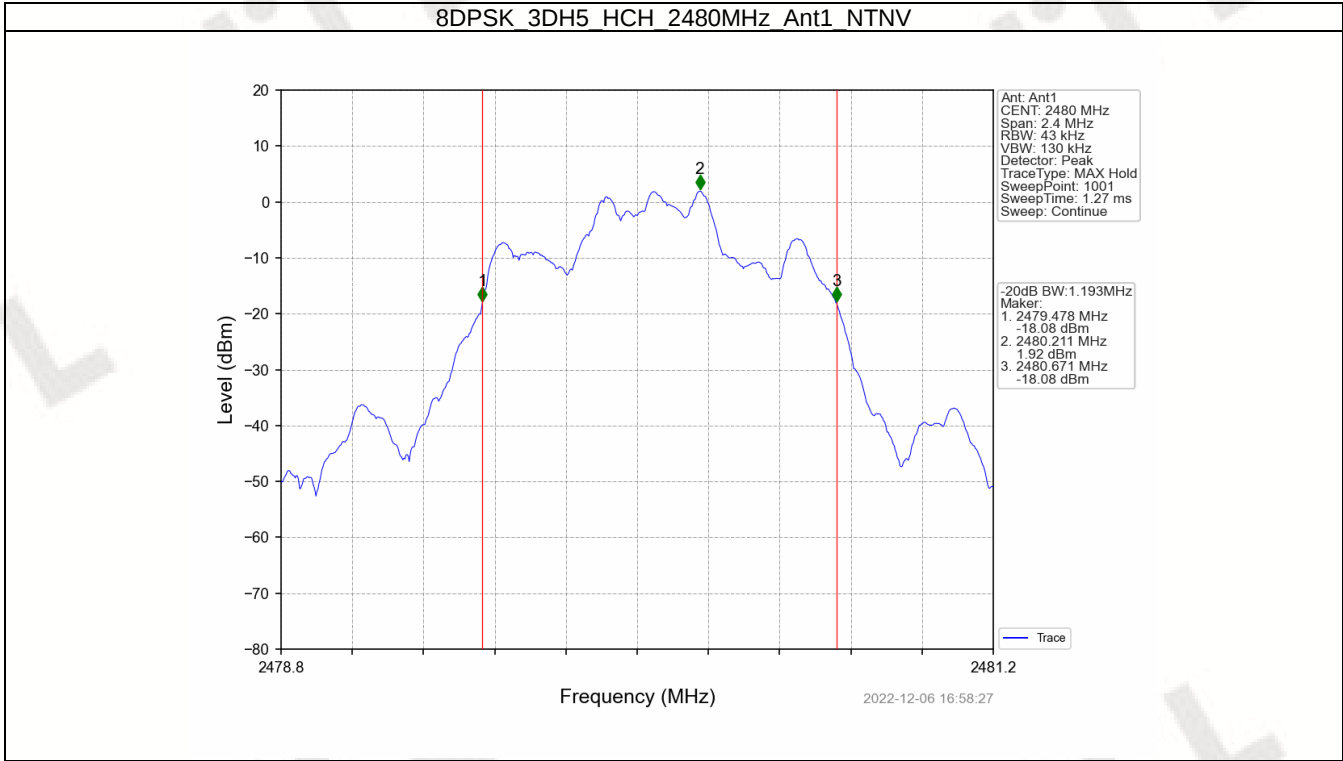
1.2.2 Test Graph











2. Maximum Conducted Output Power

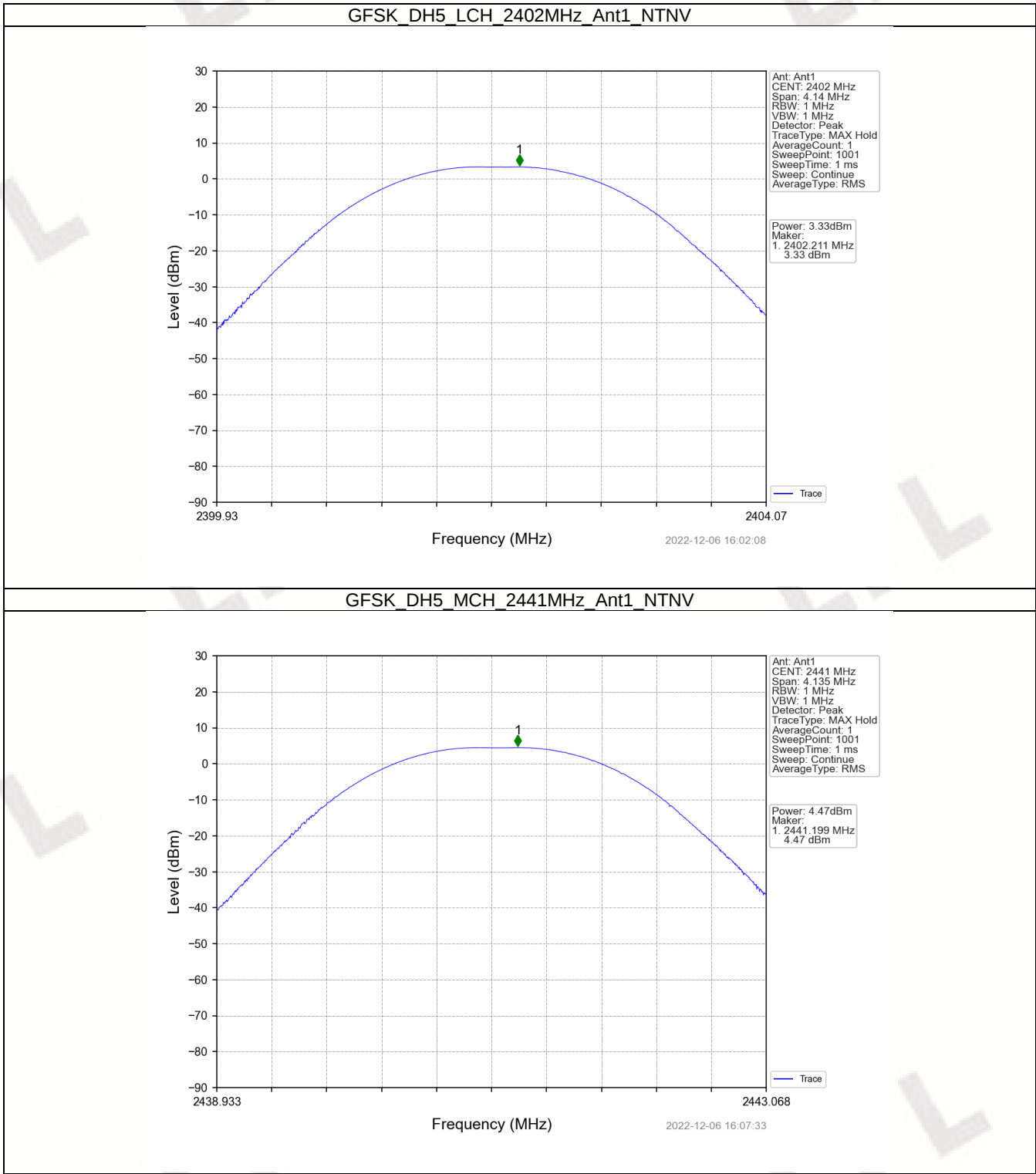
2.1 Power

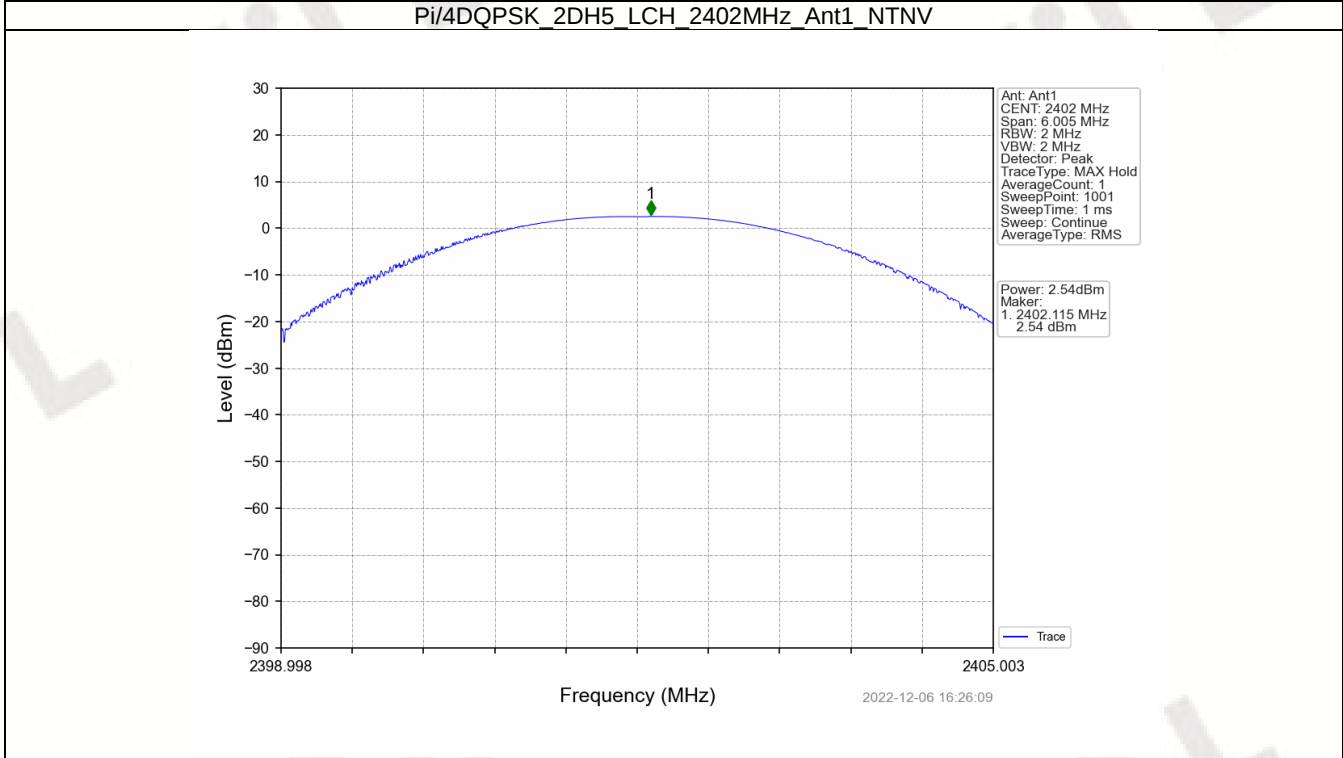
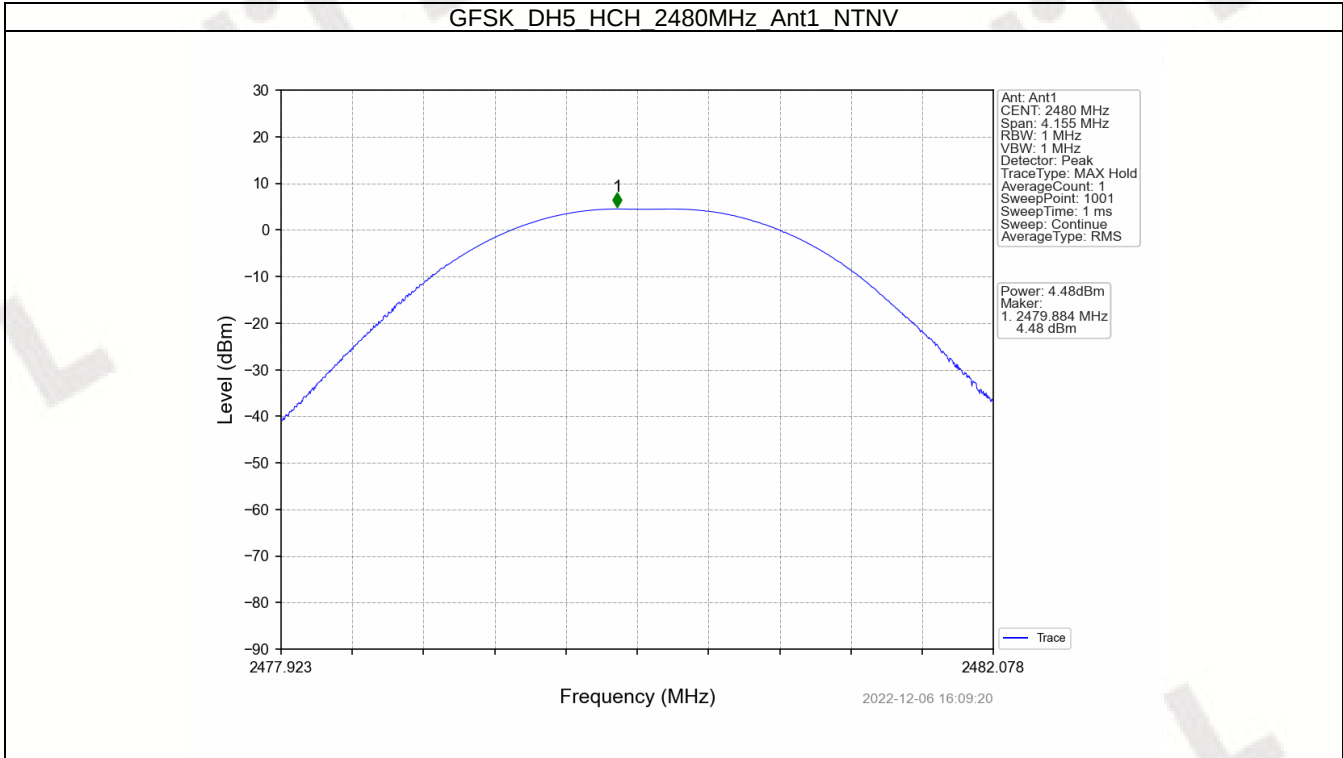
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	3.33	<=30	Pass
		2441	DH5	4.47	<=30	Pass
		2480	DH5	4.48	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	2.54	<=20.97	Pass
		2441	2DH5	3.59	<=20.97	Pass
		2480	2DH5	3.60	<=20.97	Pass
8DPSK	SISO	2402	3DH5	2.55	<=20.97	Pass
		2441	3DH5	3.58	<=20.97	Pass
		2480	3DH5	3.61	<=20.97	Pass

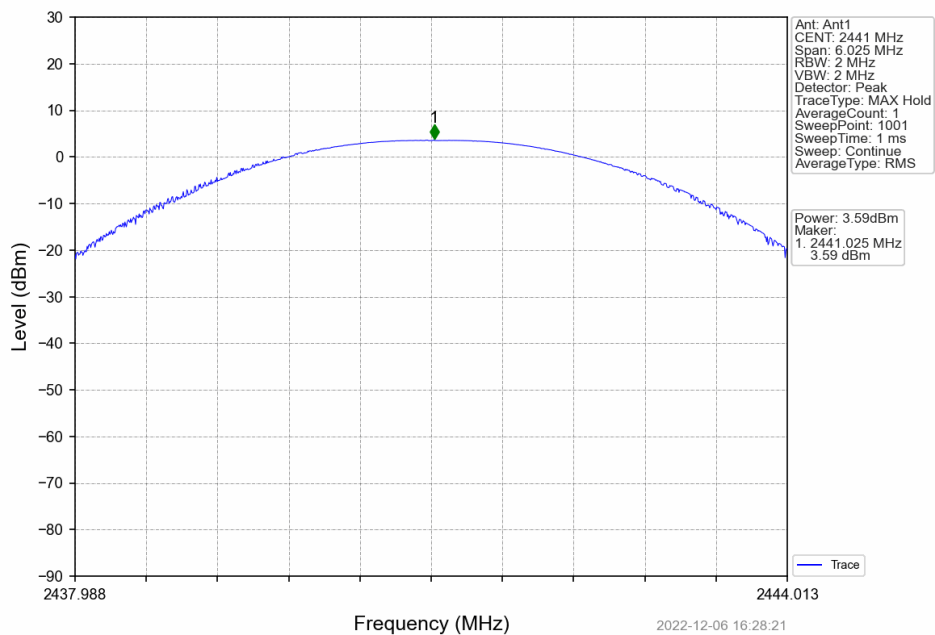
Note1: Antenna Gain: Ant1: 1.05dBi;

2.1.2 Test Graph

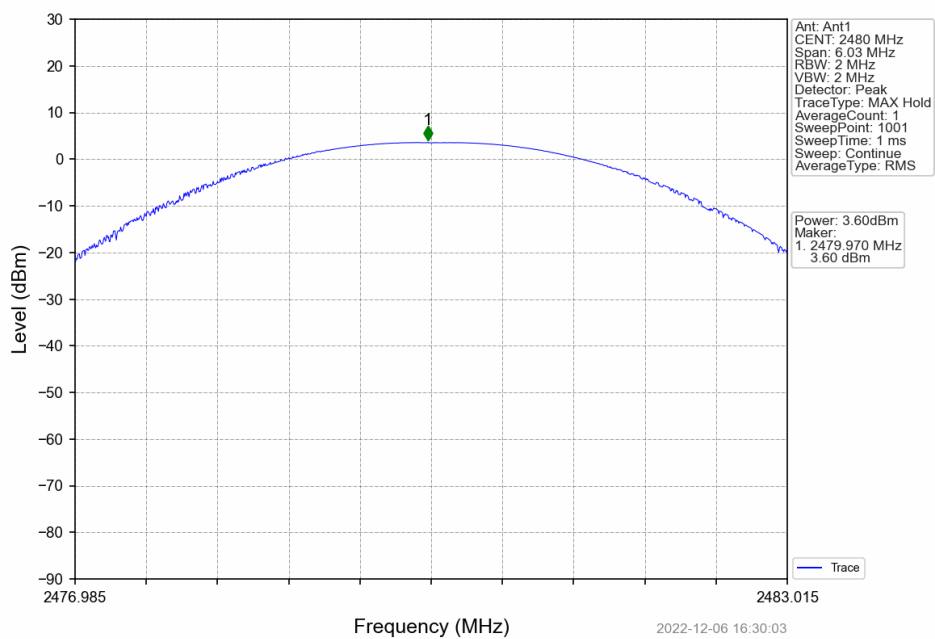




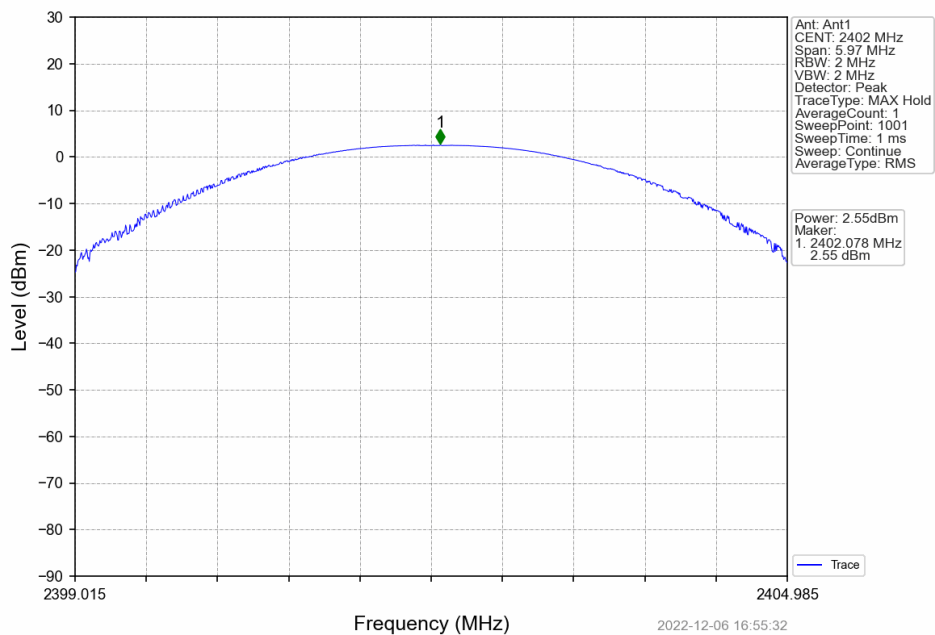
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



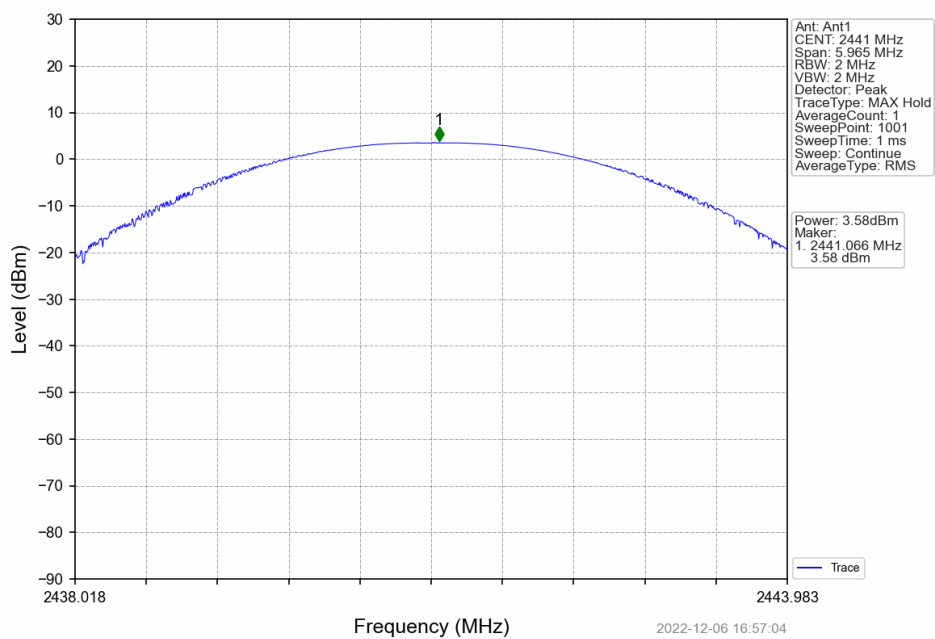
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

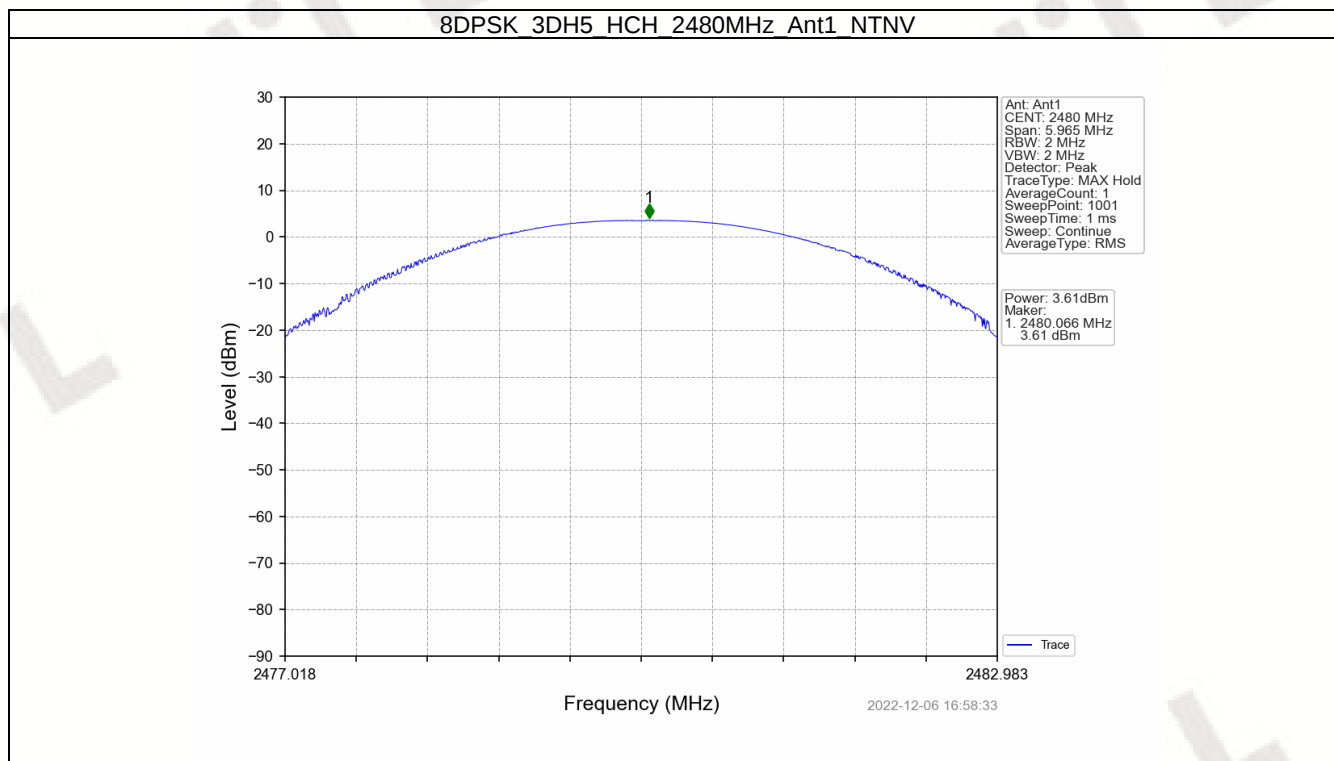


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





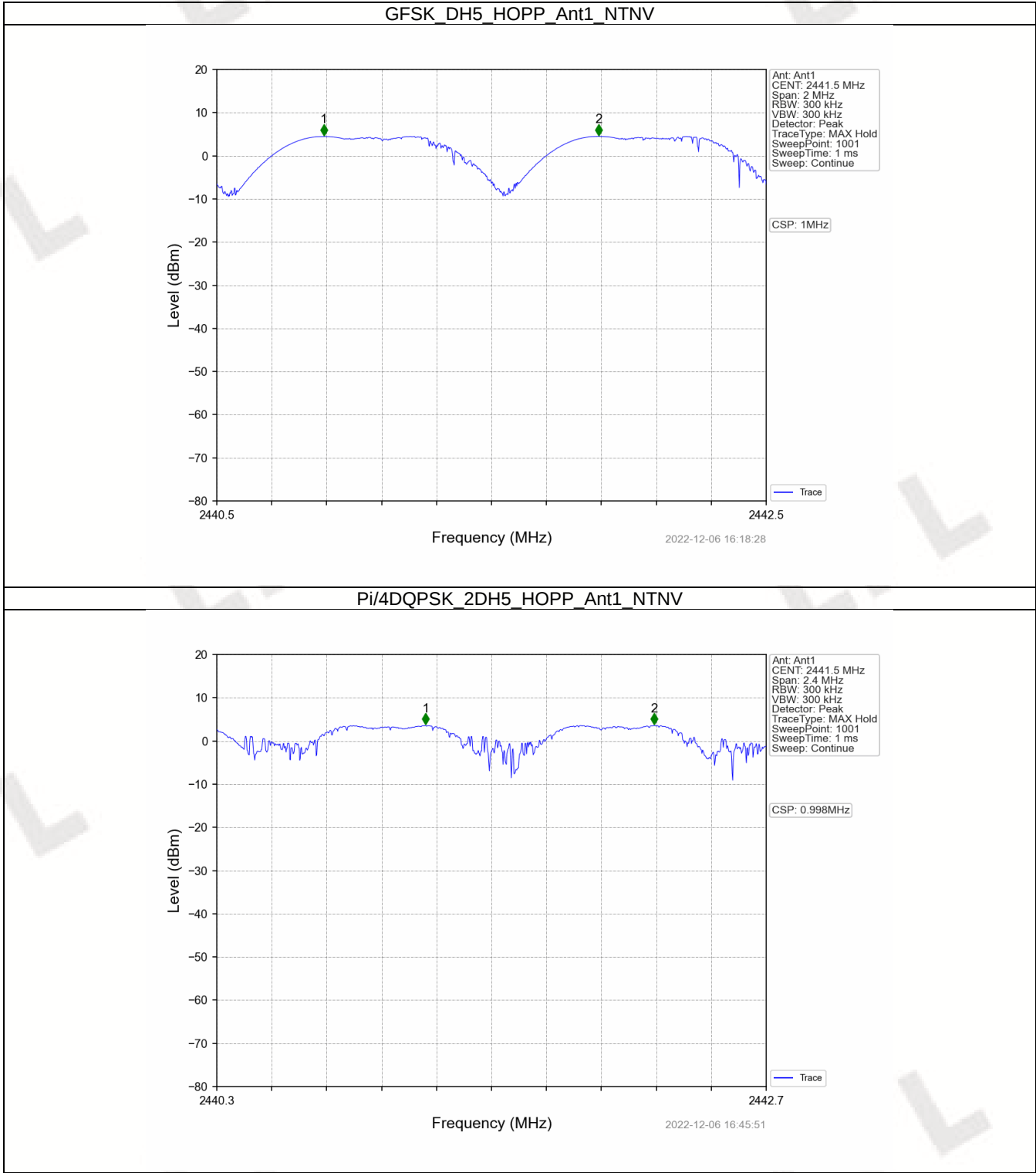
3. Carrier Frequency Separation

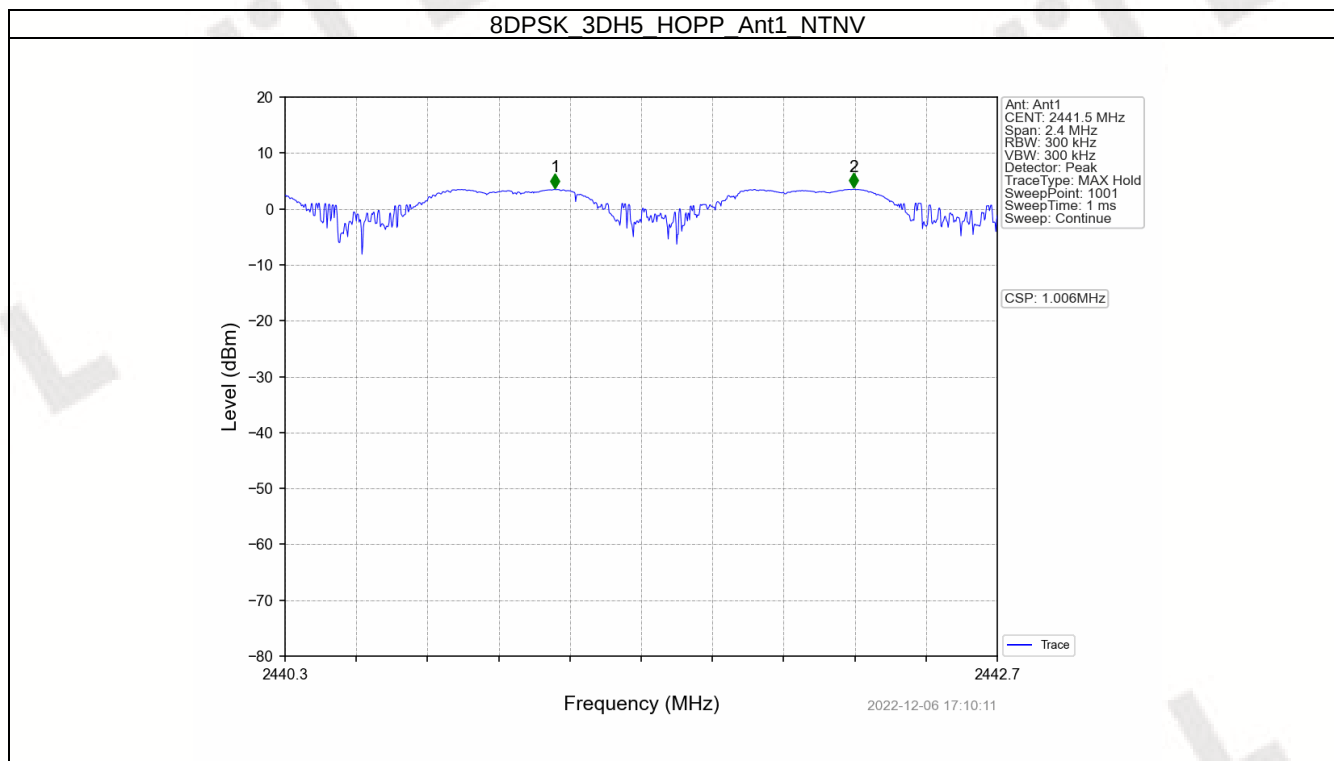
3.1 Ant1

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	0.831	≥ 0.831	Pass
PI/4DQPSK	SISO	HOPP	2DH5	0.998	1.206	≥ 0.804	Pass
8DPSK	SISO	HOPP	3DH5	1.006	1.194	≥ 0.796	Pass

3.1.2 Test Graph





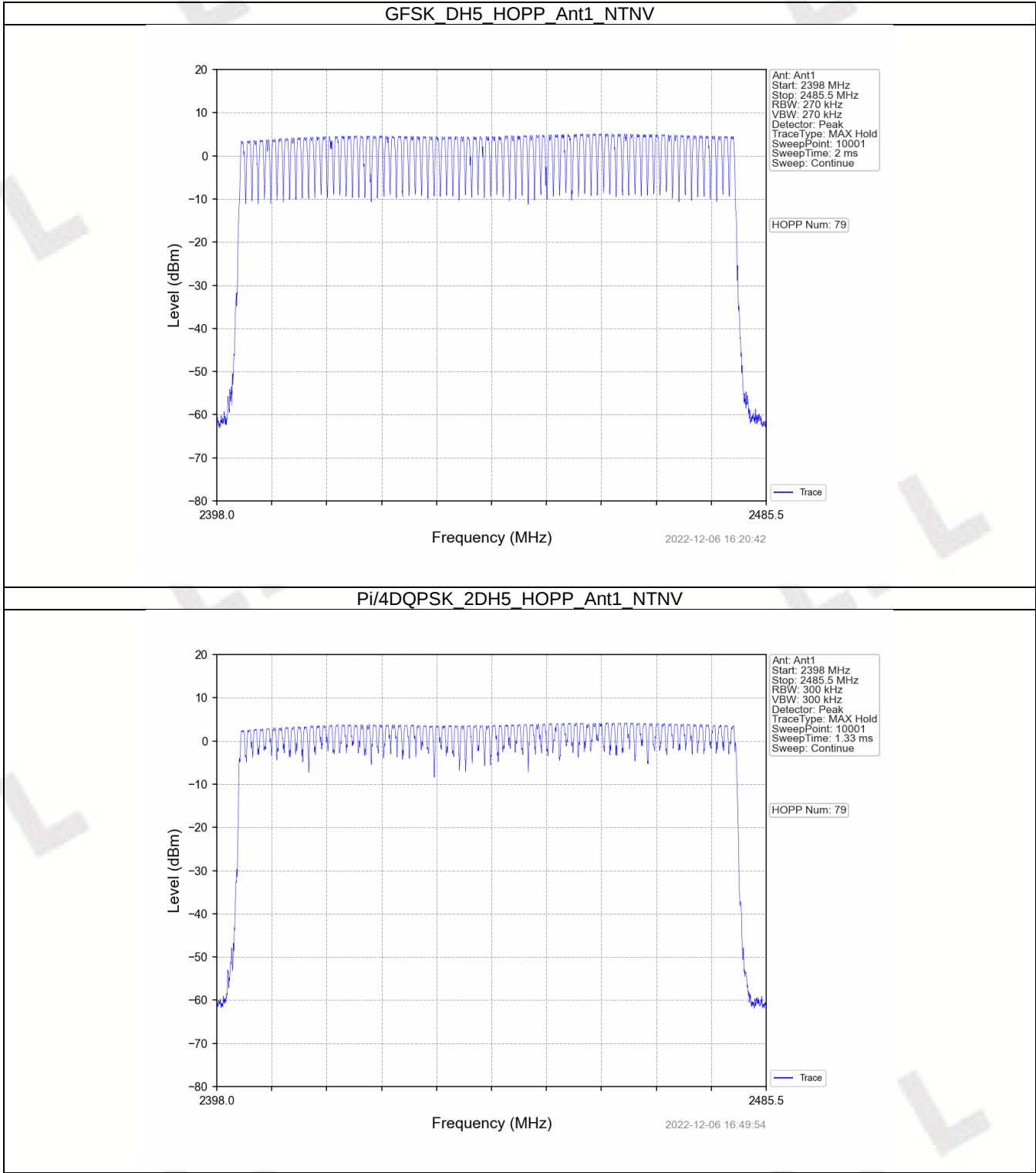
4. Number of Hopping Frequencies

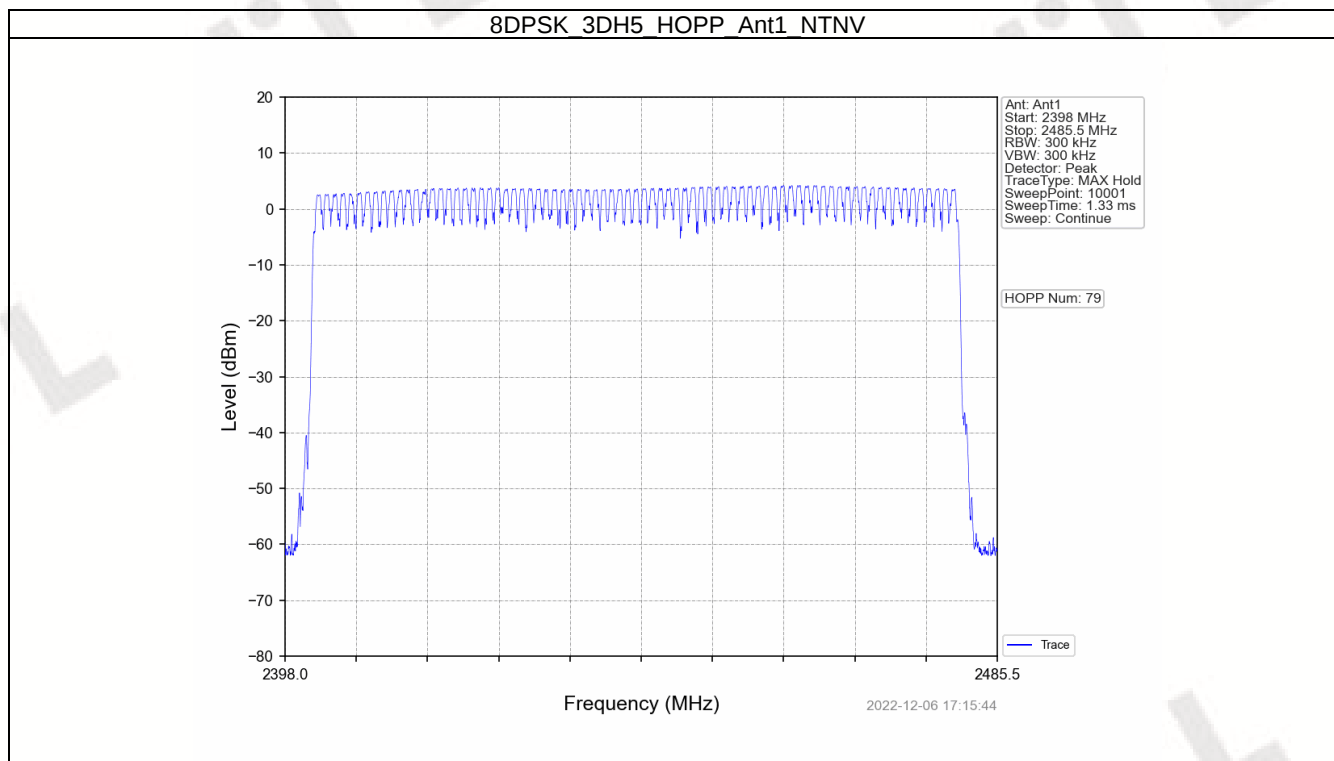
4.1 HoppNum

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

4.1.2 Test Graph





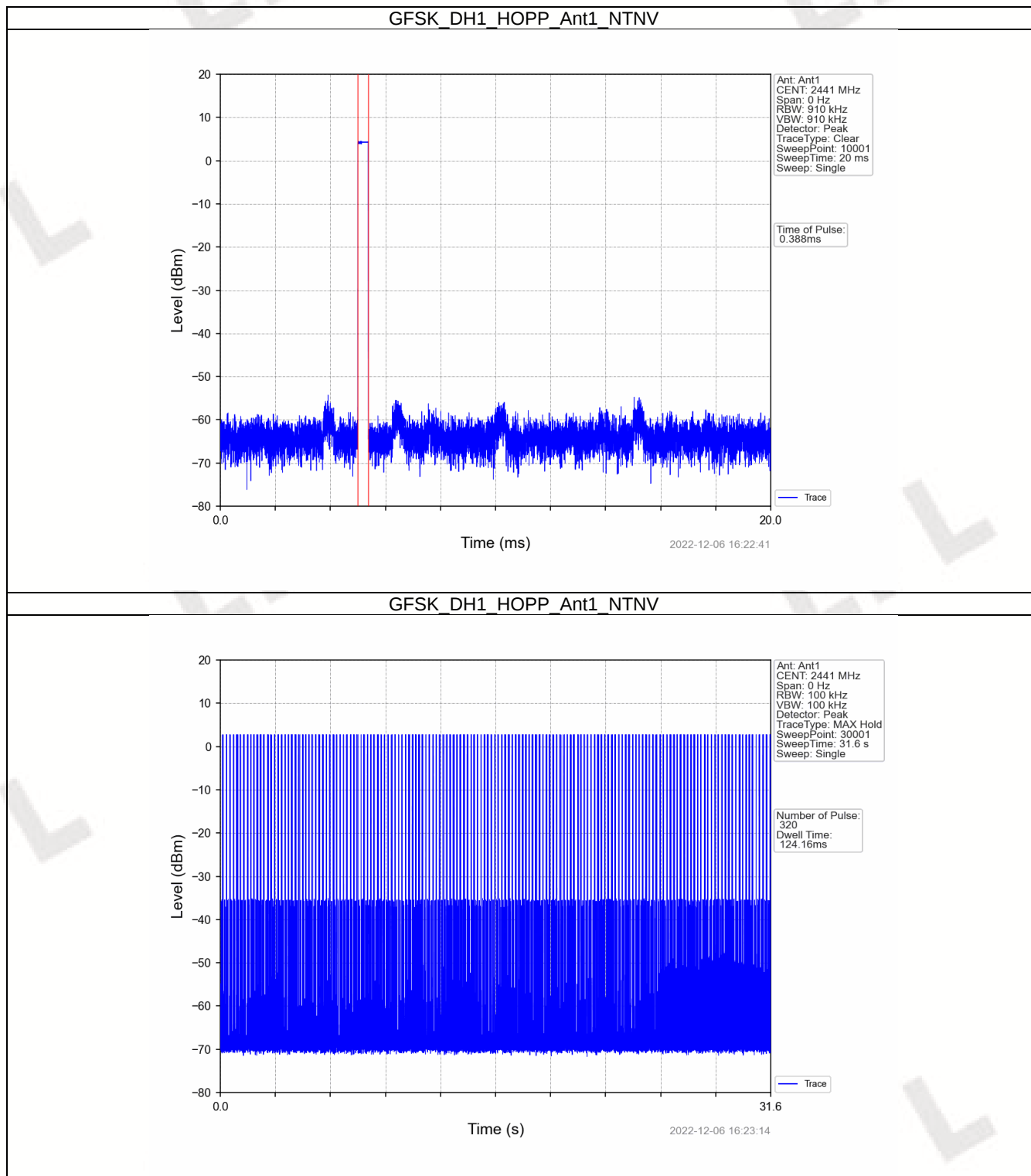
5. Time of Occupancy (Dwell Time)

5.1 Ant1

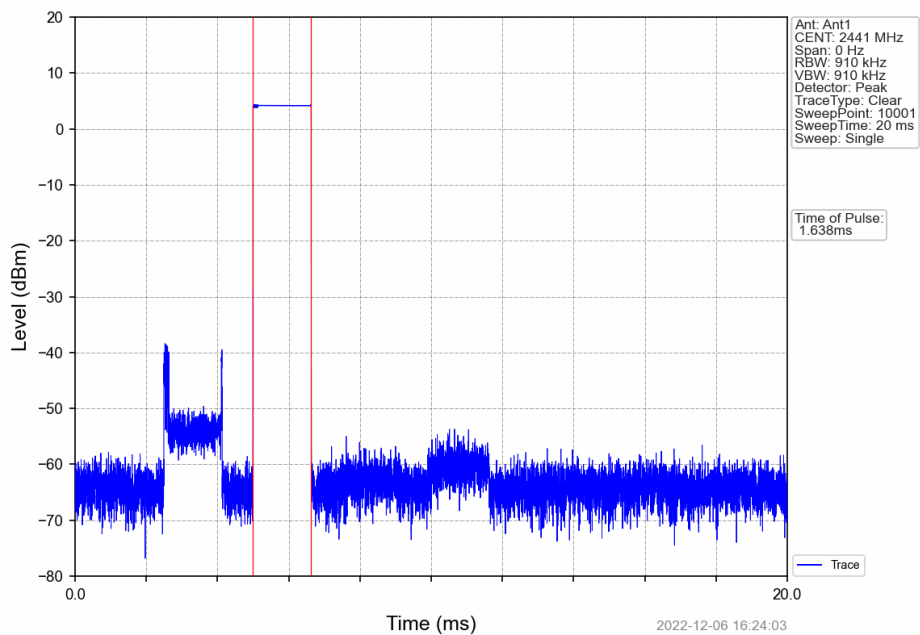
5.1.1 Test Result

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	0.388	31.600	320	124.160	<=400	Pass
			DH3	1.638	31.600	161	263.718	<=400	Pass
			DH5	2.892	31.600	99	286.308	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.390	31.600	320	124.800	<=400	Pass
			2DH3	1.642	31.600	162	266.004	<=400	Pass
			2DH5	2.894	31.600	109	315.446	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.640	31.600	160	262.400	<=400	Pass
			3DH5	2.896	31.600	104	301.184	<=400	Pass

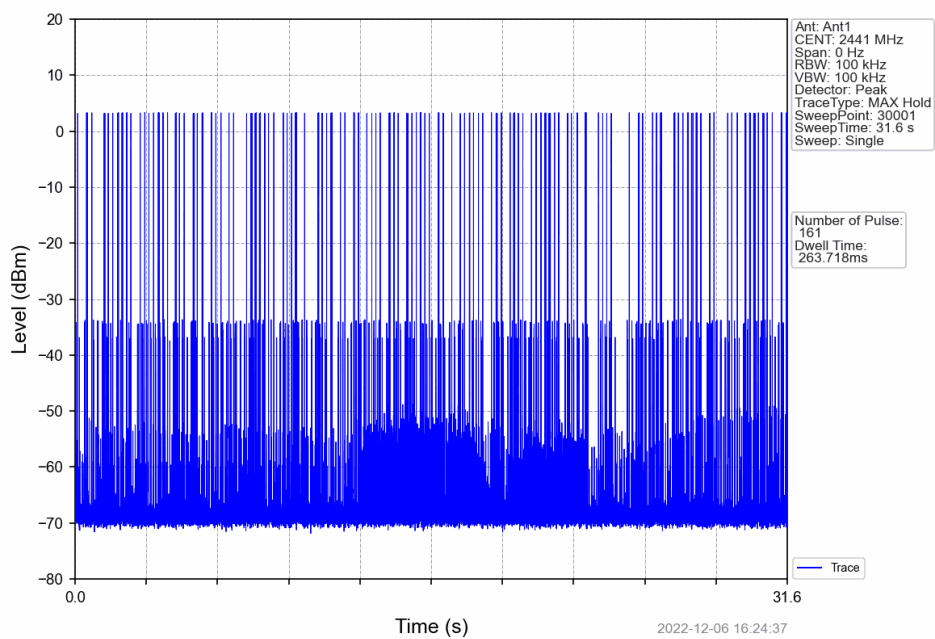
5.1.2 Test Graph



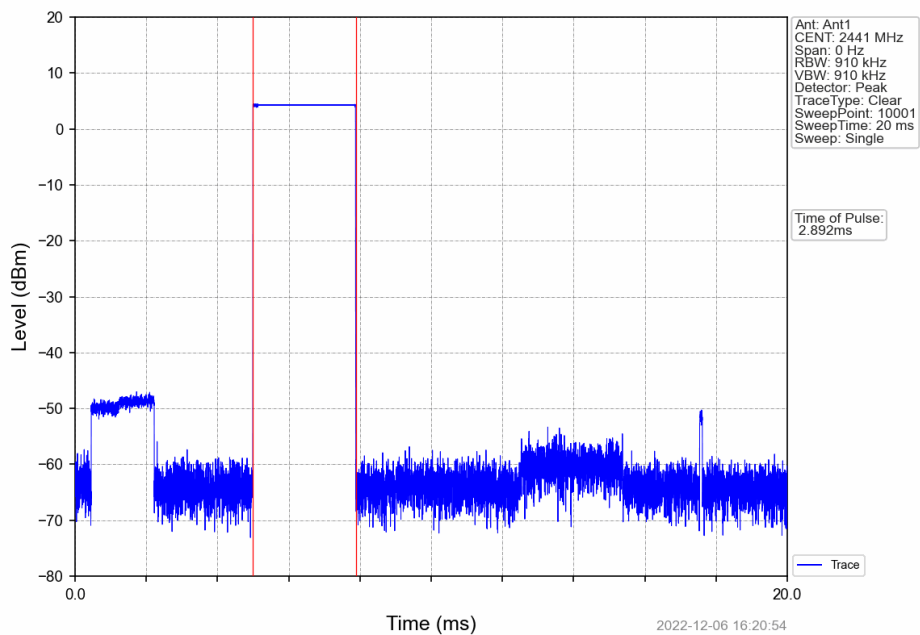
GFSK DH3 HOPP Ant1 NTN



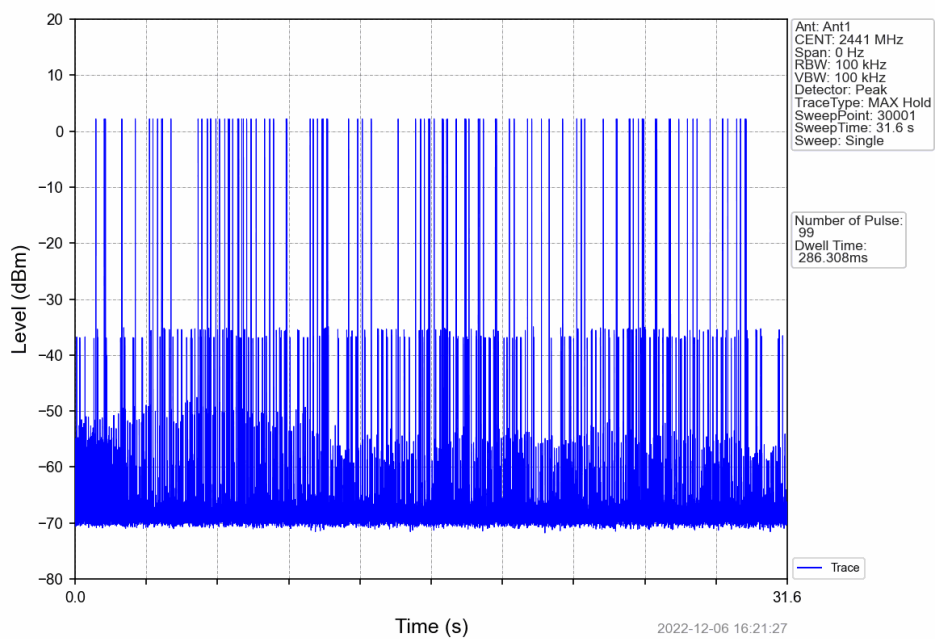
GFSK_DH3_HOPP_Ant1_NTNV

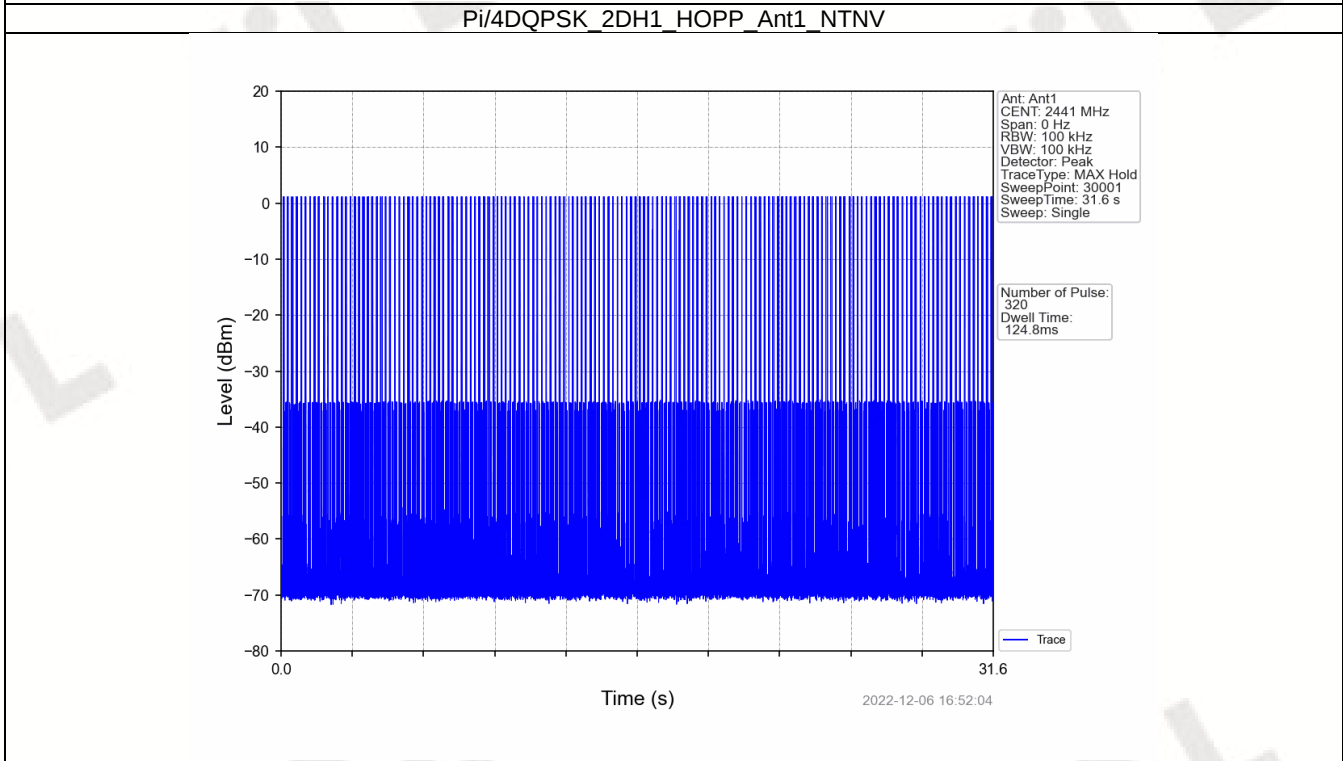
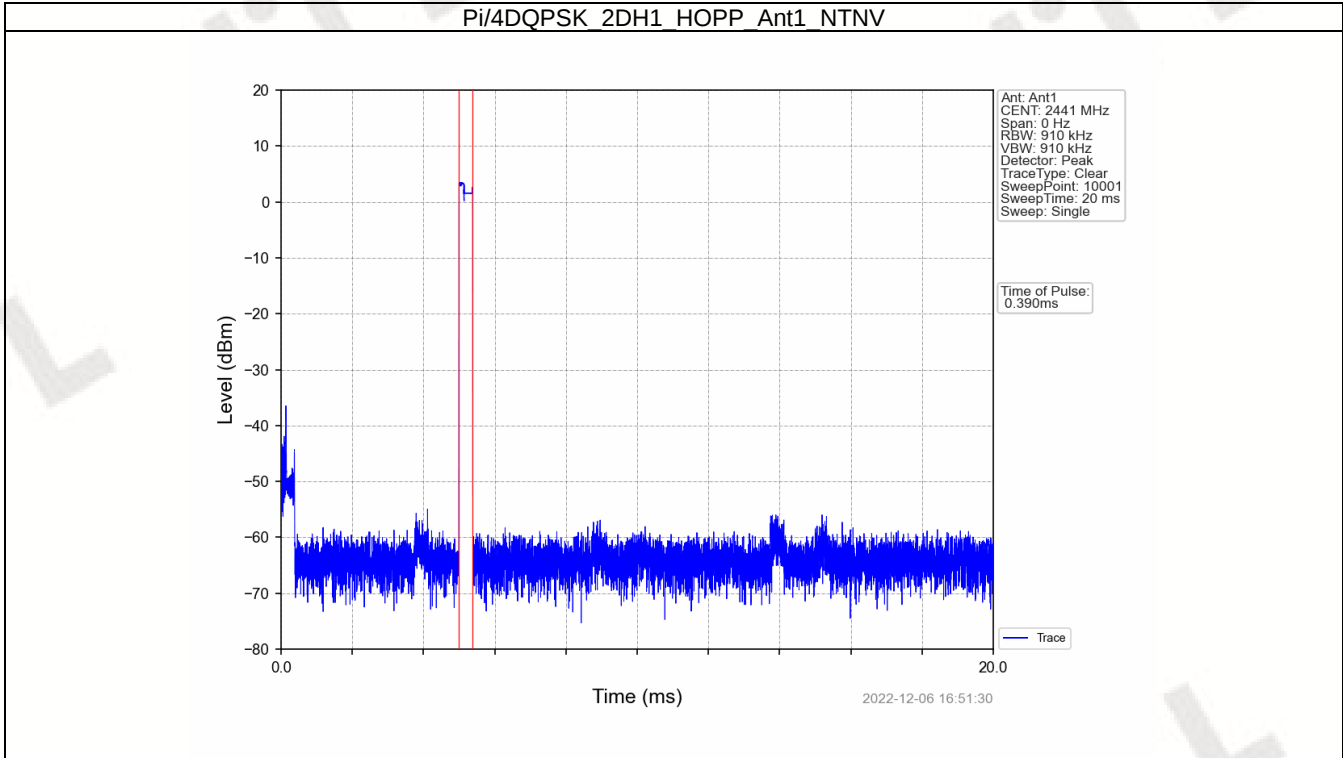


GFSK DH5 HOPP Ant1 NTN

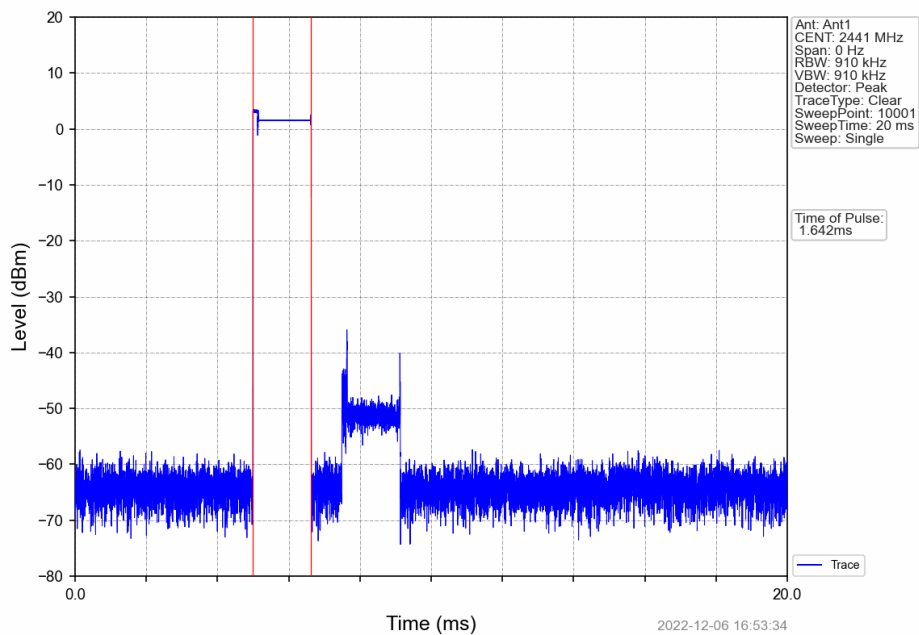


GFSK_DH5_HOPP_Ant1_NTNV

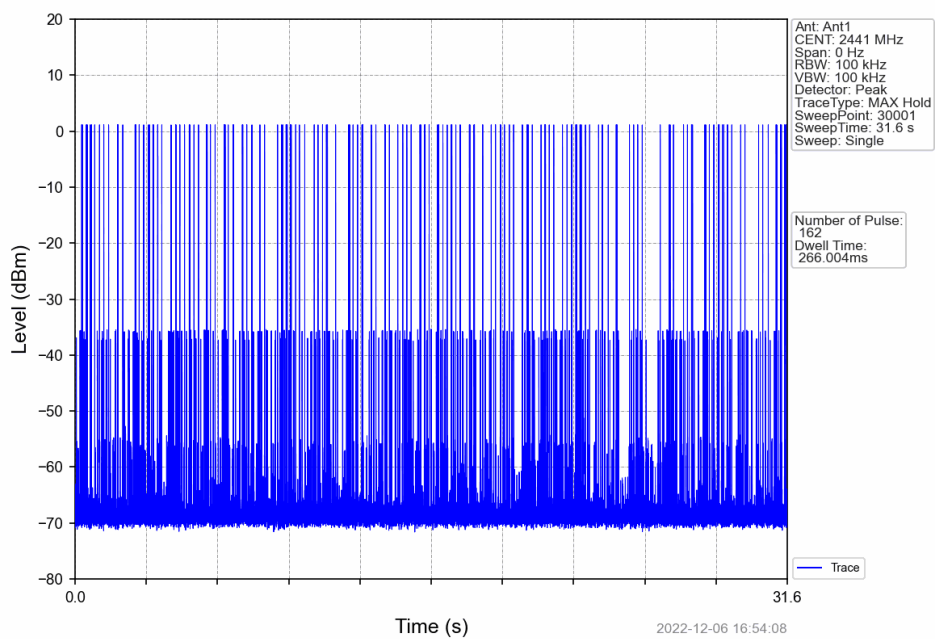




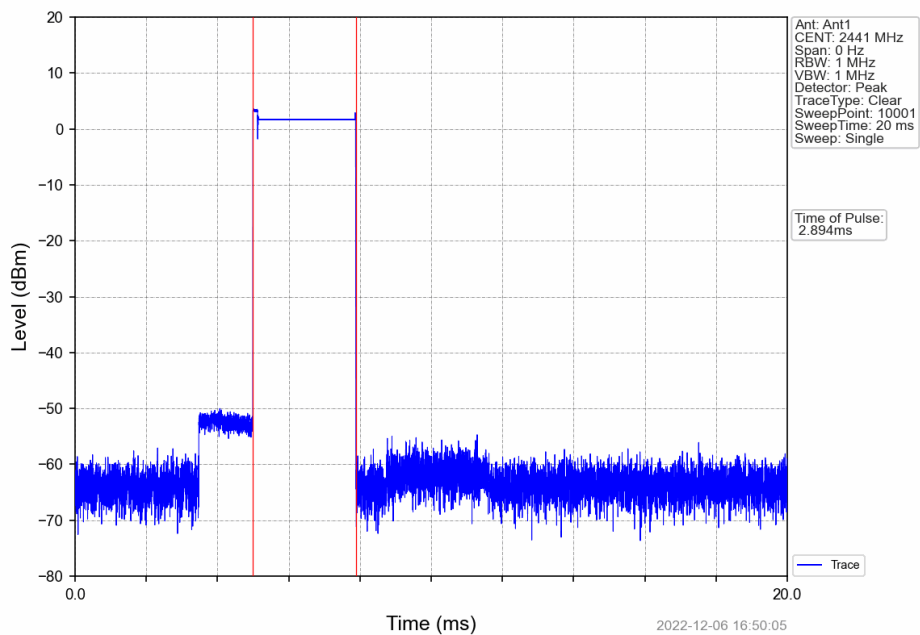
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



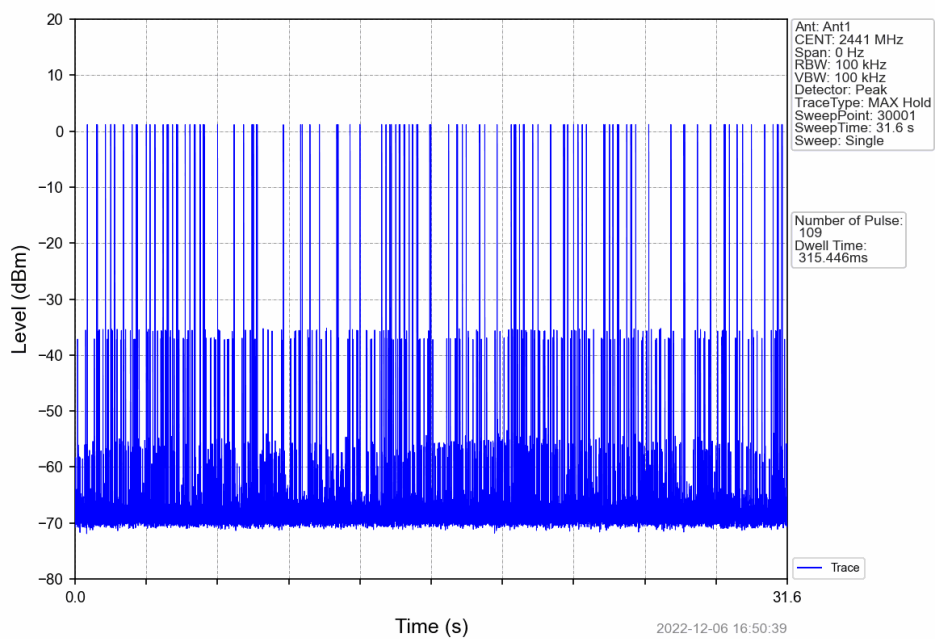
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



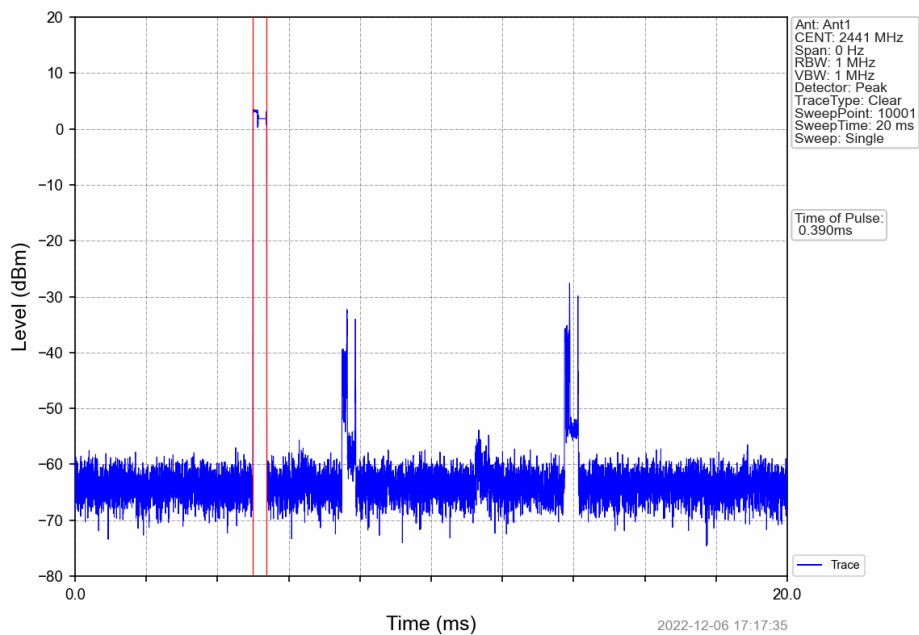
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



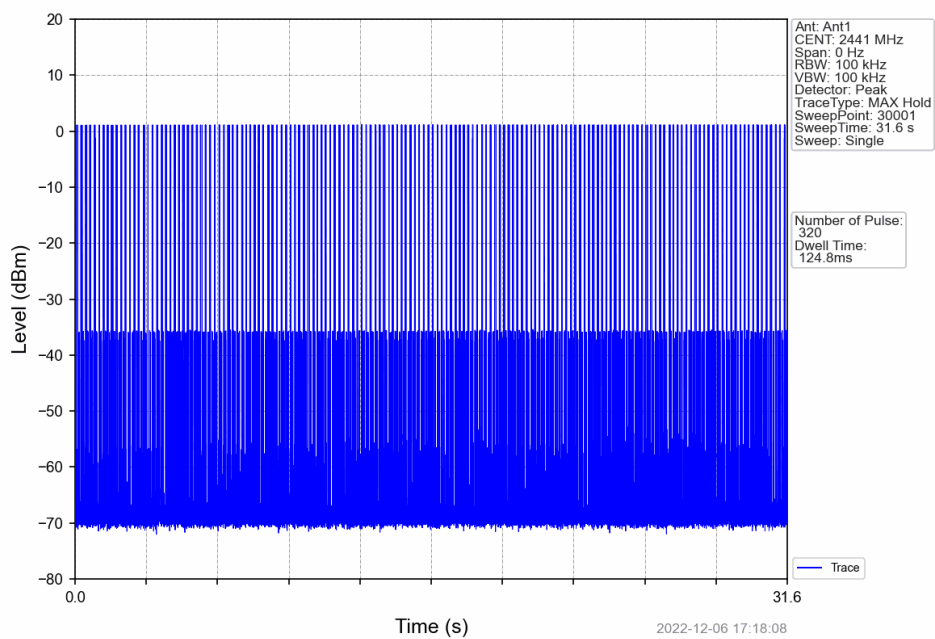
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

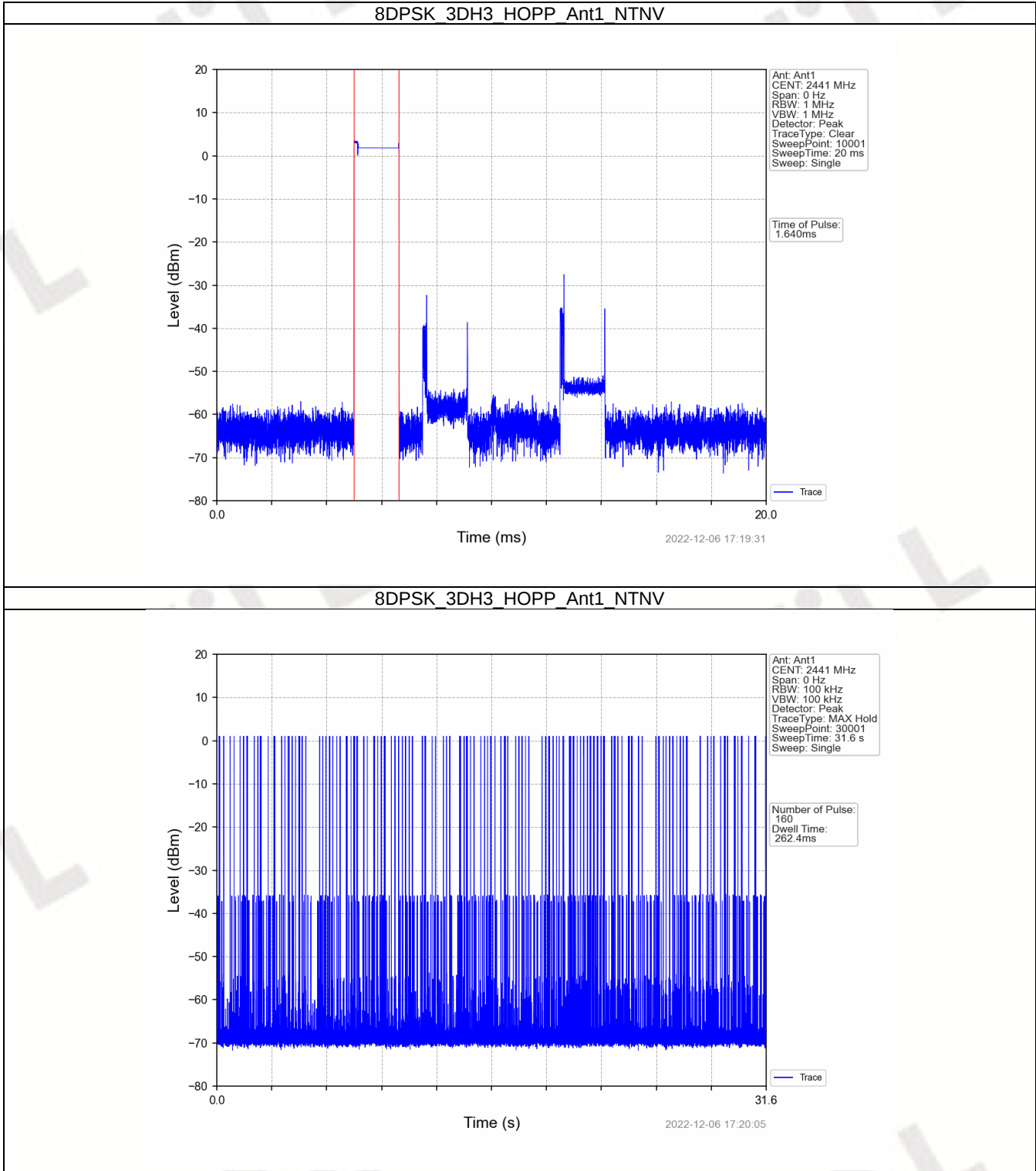


8DPSK 3DH1 HOPP Ant1 NTN

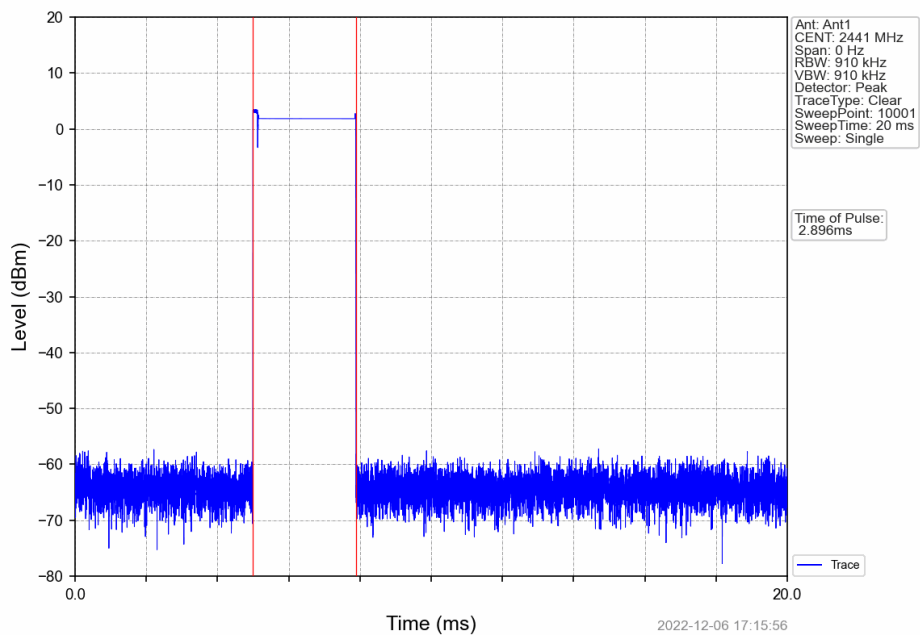


8DPSK 3DH1 HOPP Ant1 NTN

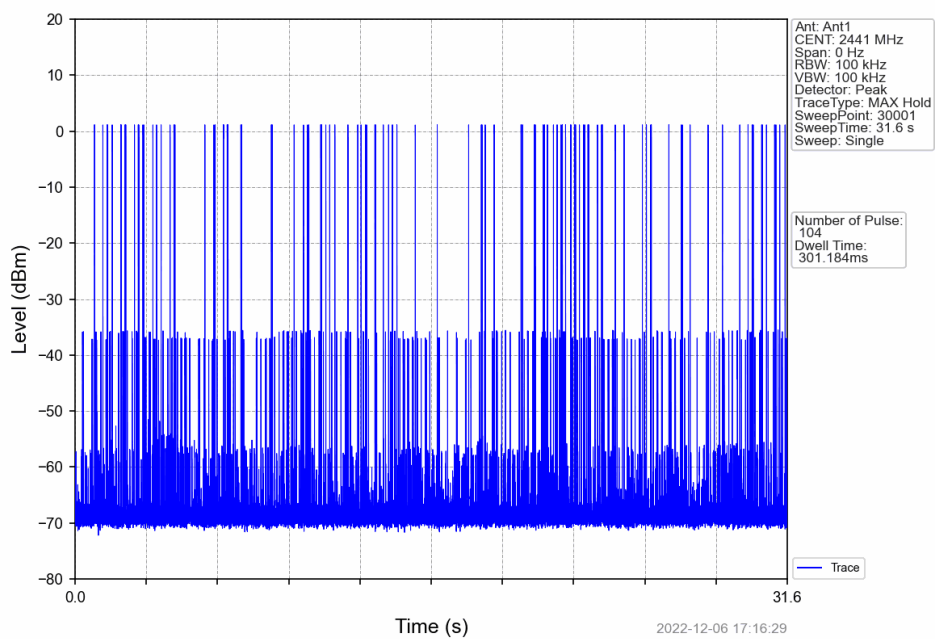




8DPSK 3DH5 HOPP Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN



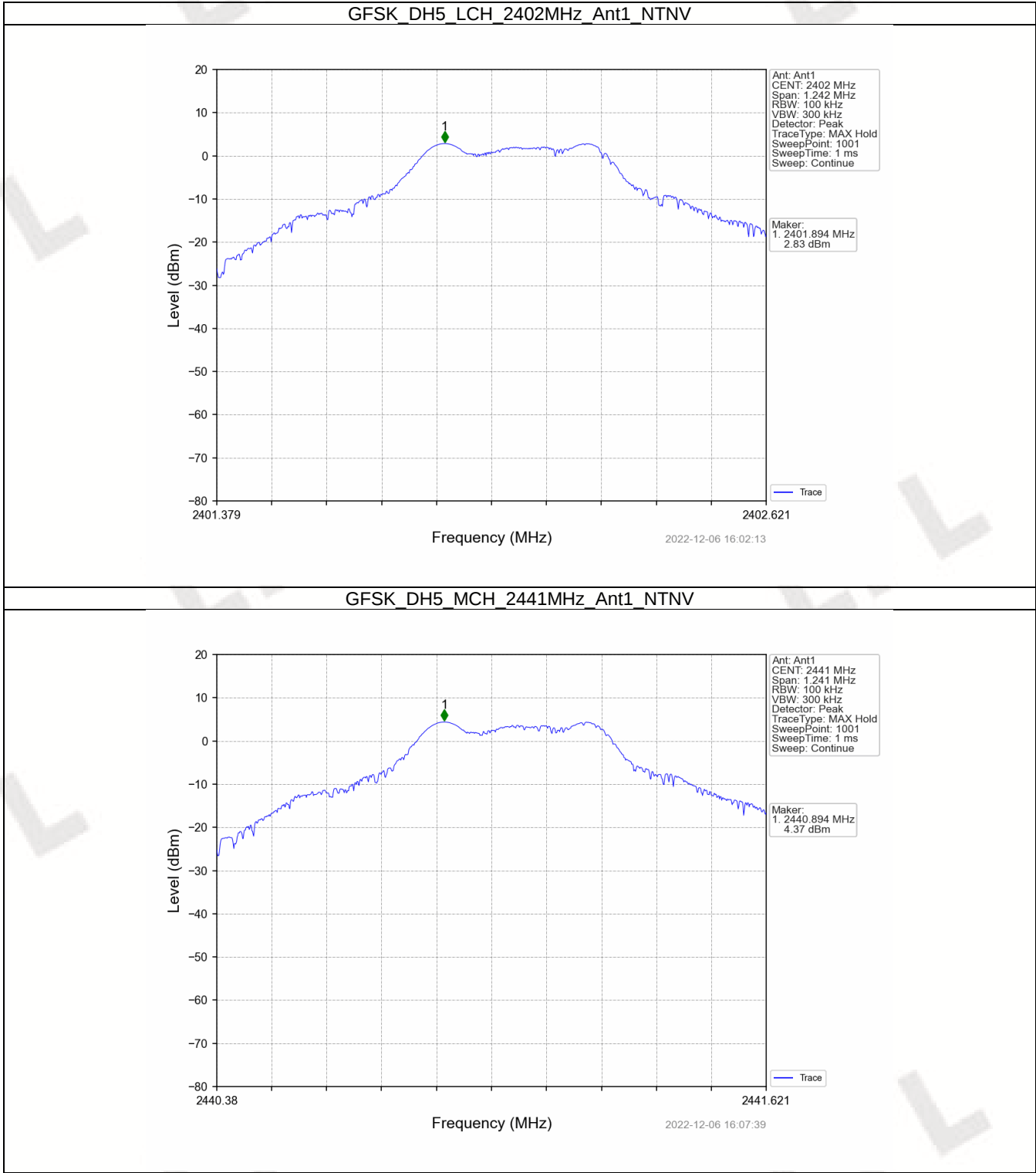
6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

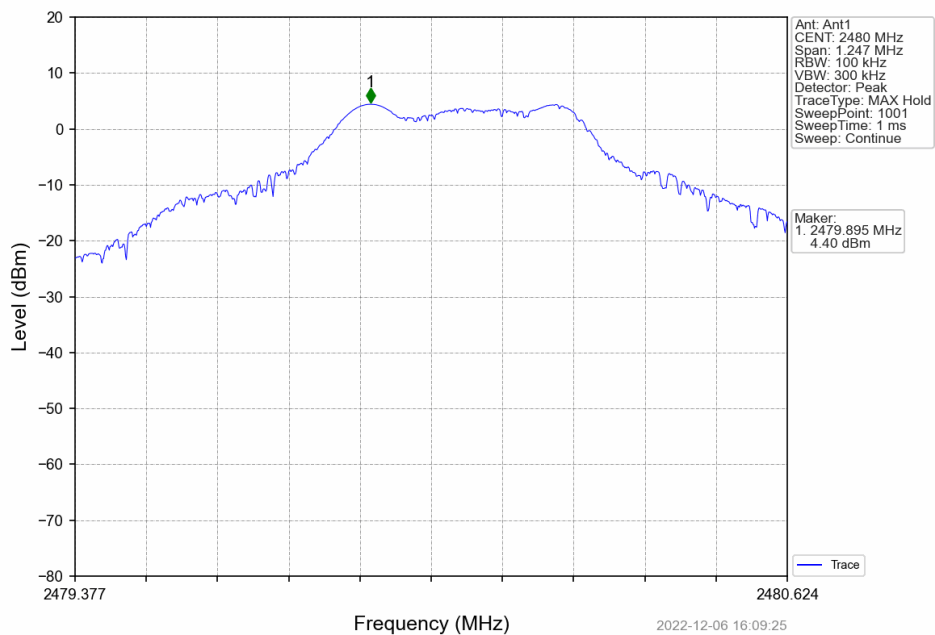
6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	2.83
		2441	DH5	1	4.37
		2480	DH5	1	4.40
Pi/4DQPSK	SISO	2402	2DH5	1	2.28
		2441	2DH5	1	3.33
		2480	2DH5	1	3.33
8DPSK	SISO	2402	3DH5	1	2.27
		2441	3DH5	1	3.28
		2480	3DH5	1	3.31
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.					

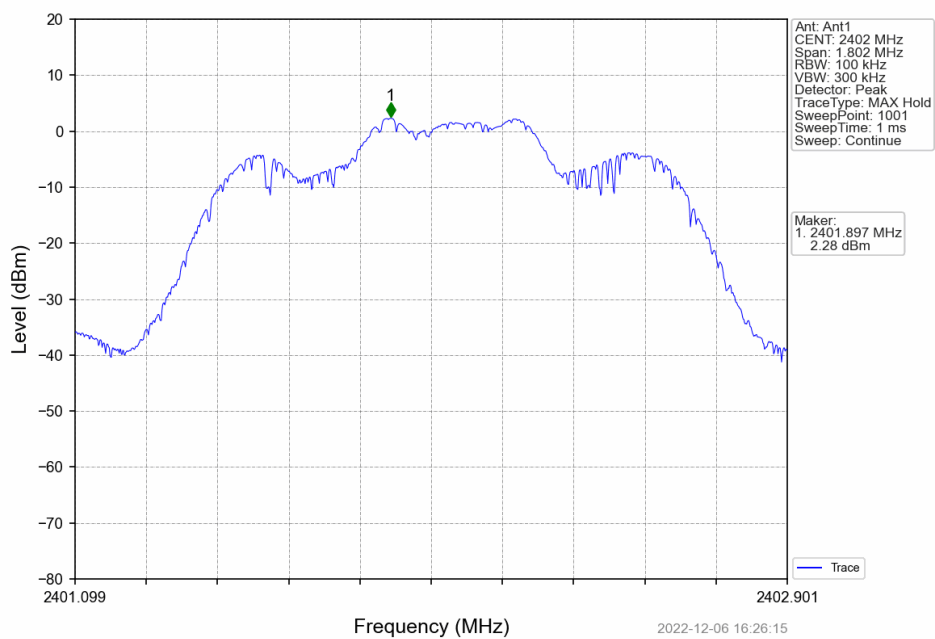
6.1.2 Test Graph



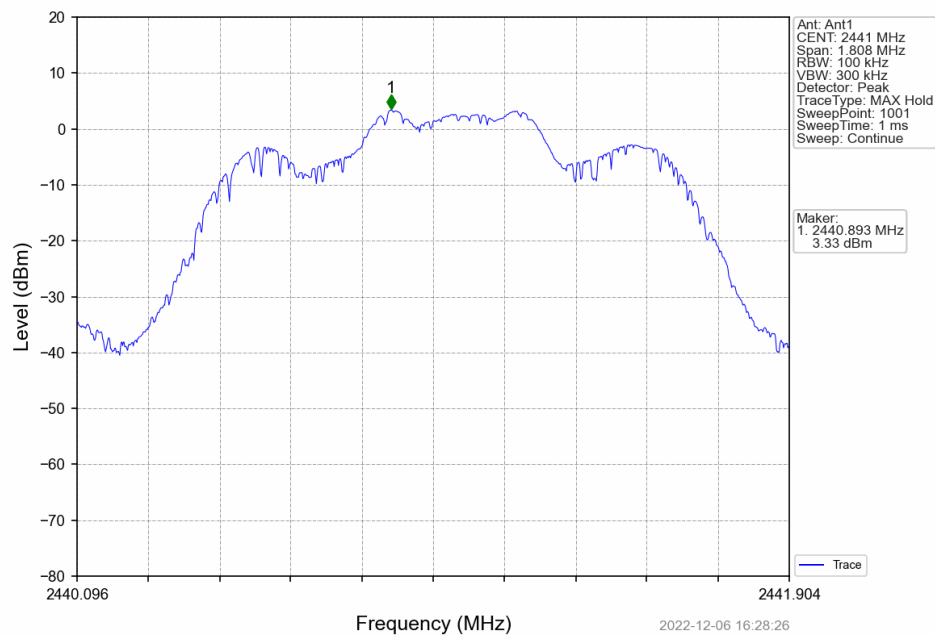
GFSK DH5 HCH 2480MHz Ant1 NTN



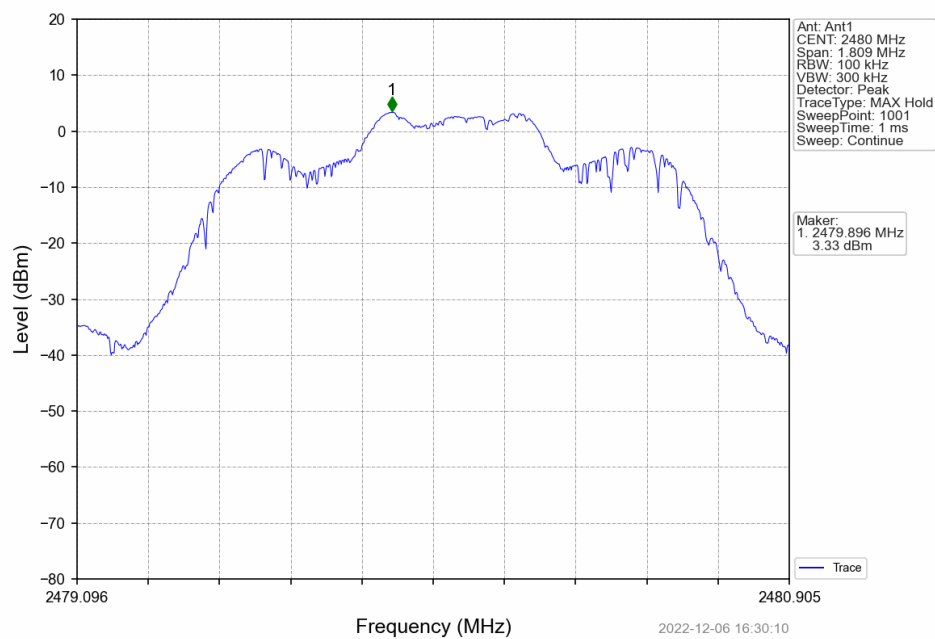
Pi/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



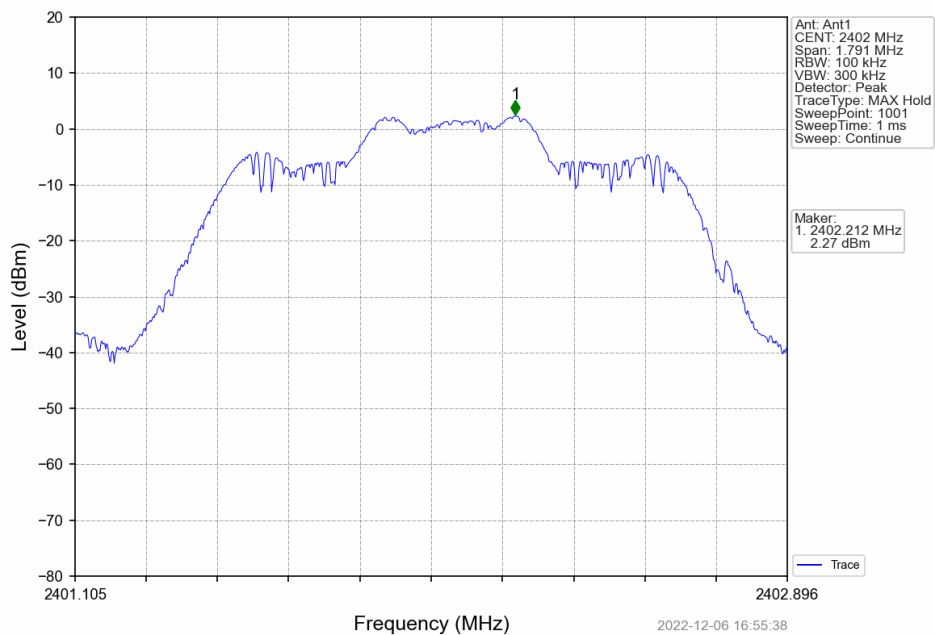
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTN



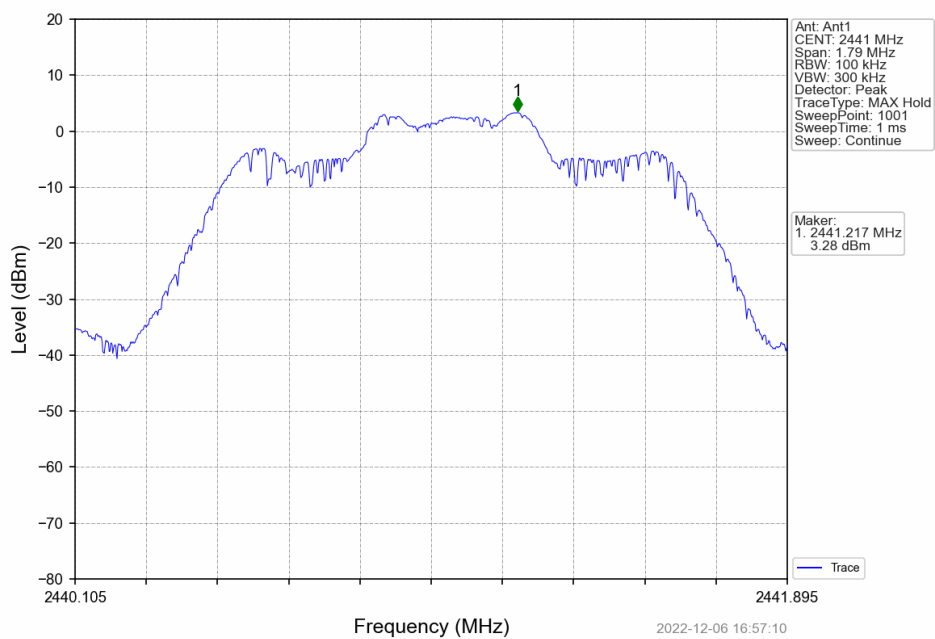
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTN

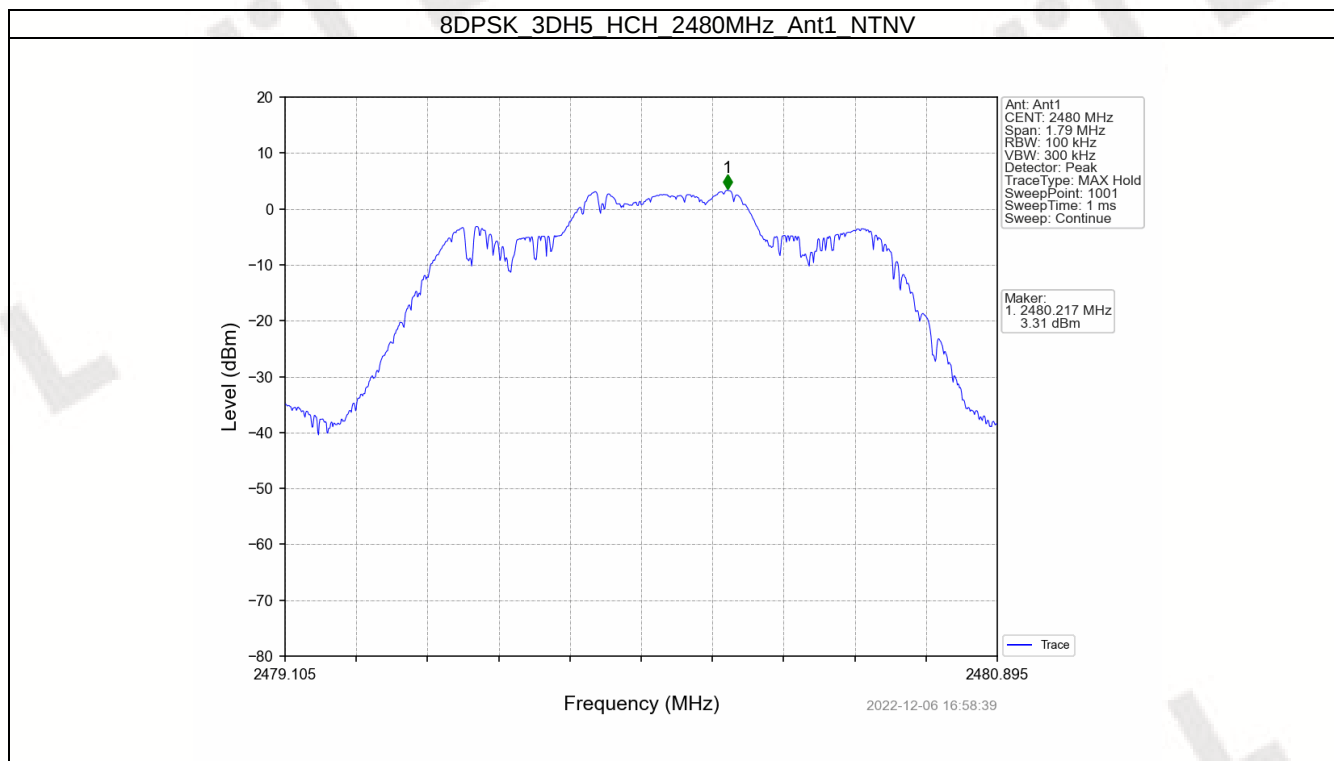


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



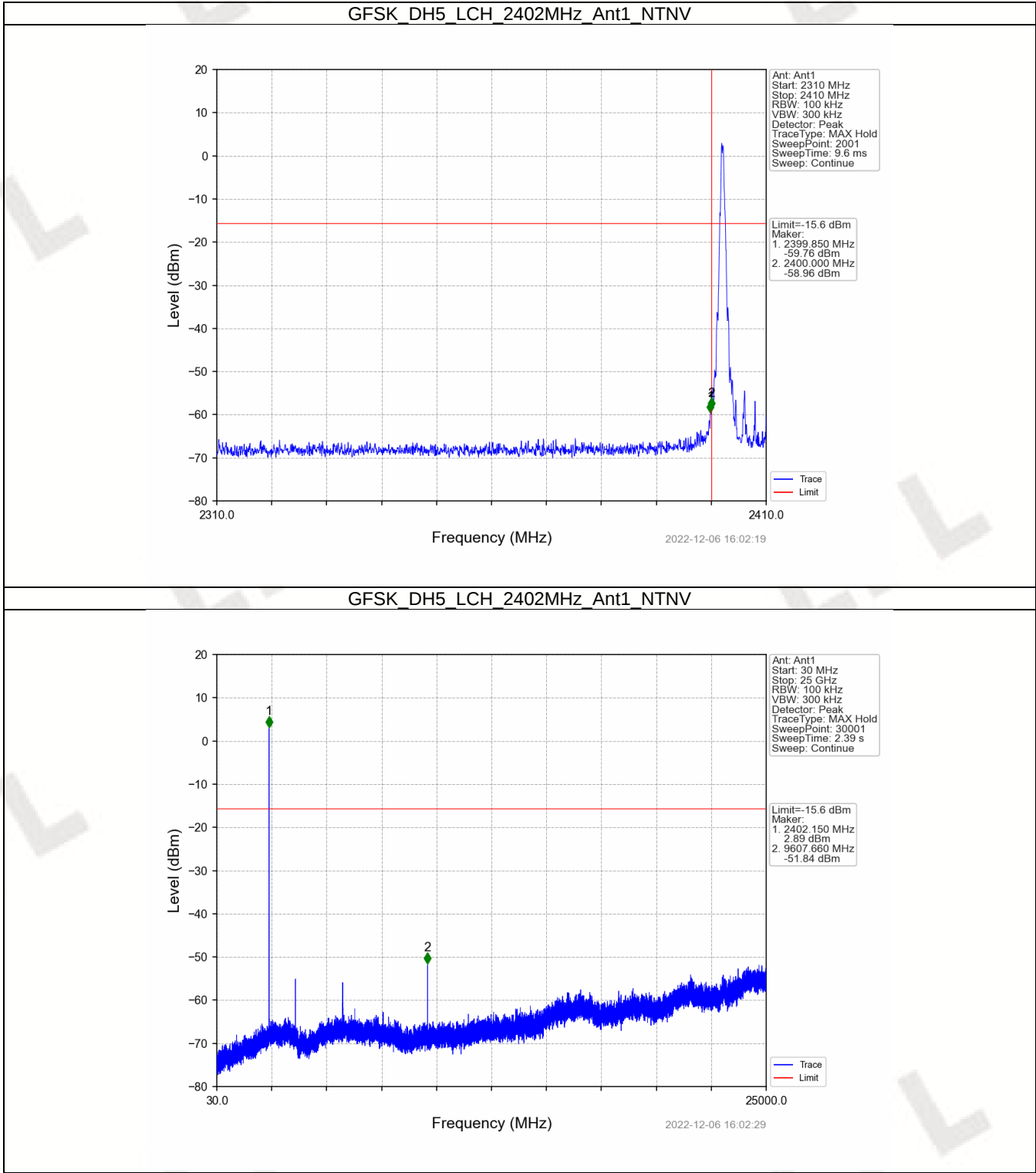


6.2.1 Test Result

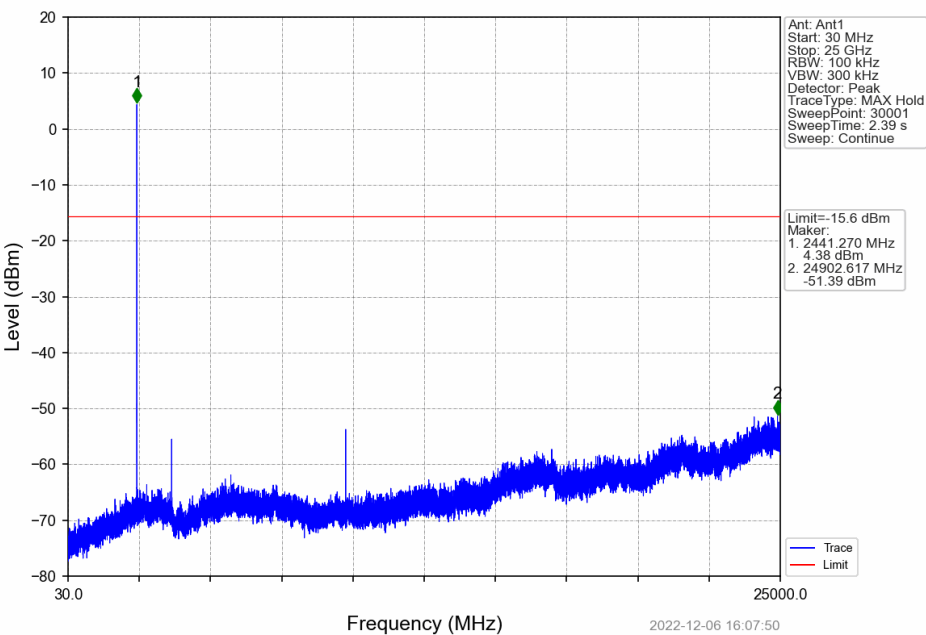
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	4.40	-15.60	Pass
		2441	DH5	1	4.40	-15.60	Pass
		2480	DH5	1	4.40	-15.60	Pass
		HOPP	DH5	1	4.40	-15.60	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	3.33	-16.67	Pass
		2441	2DH5	1	3.33	-16.67	Pass
		2480	2DH5	1	3.33	-16.67	Pass
		HOPP	2DH5	1	3.33	-16.67	Pass
8DPSK	SISO	2402	3DH5	1	3.31	-16.69	Pass
		2441	3DH5	1	3.31	-16.69	Pass
		2480	3DH5	1	3.31	-16.69	Pass
		HOPP	3DH5	1	3.31	-16.69	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.

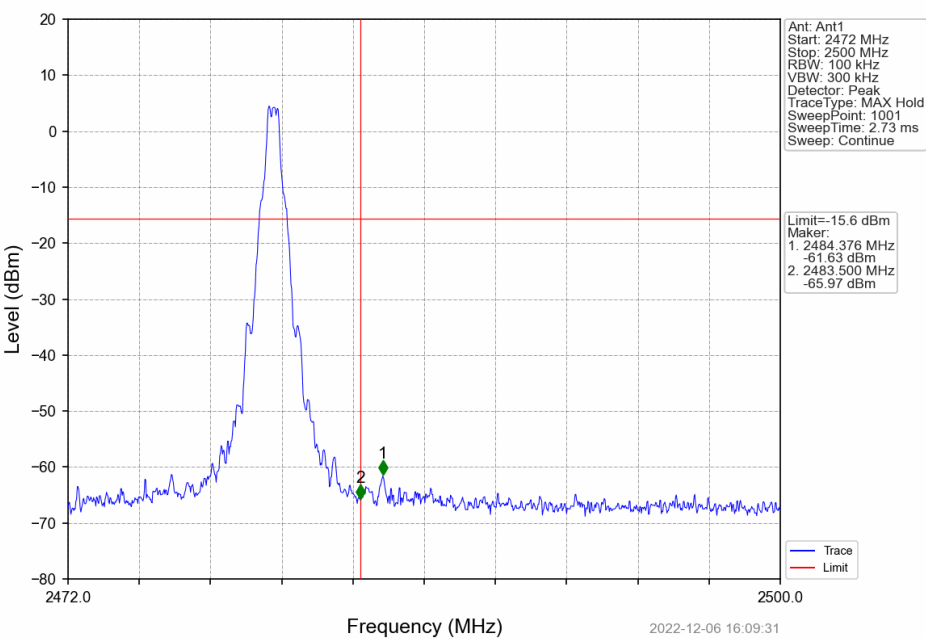
6.2.2 Test Graph



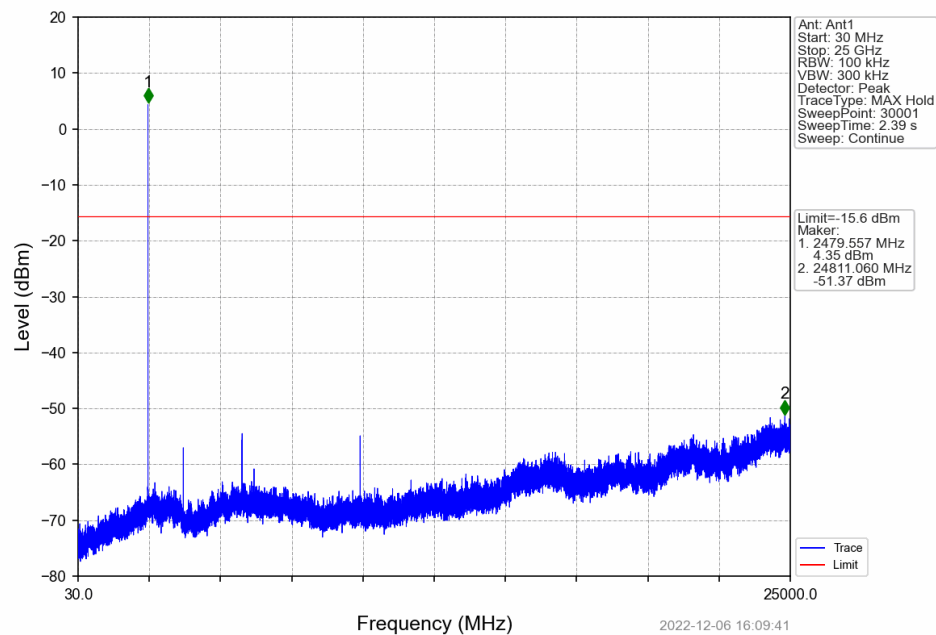
GFSK DH5 MCH 2441MHz Ant1 NTN



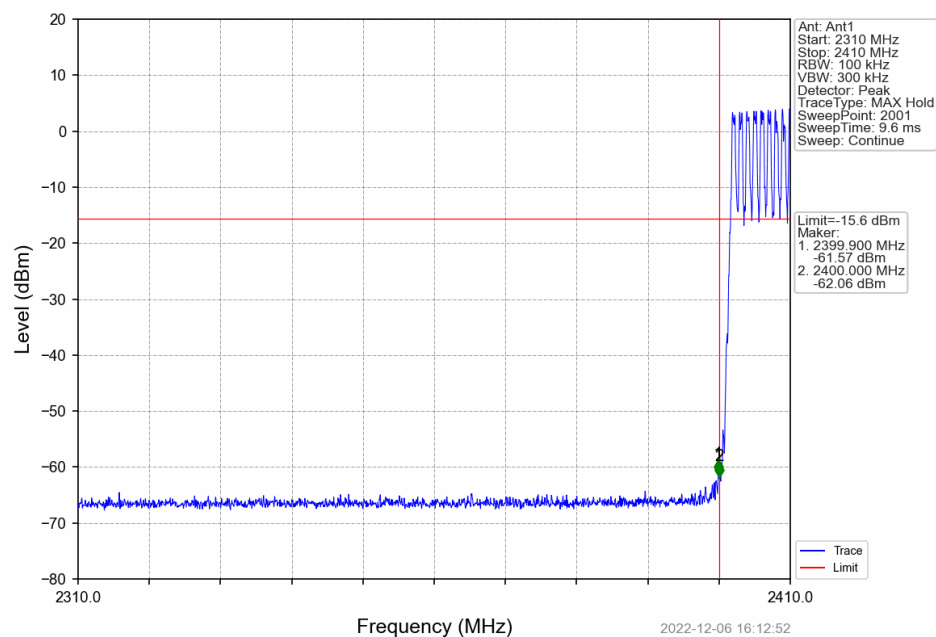
GFSK_DH5_HCH_2480MHz_Ant1_NTN

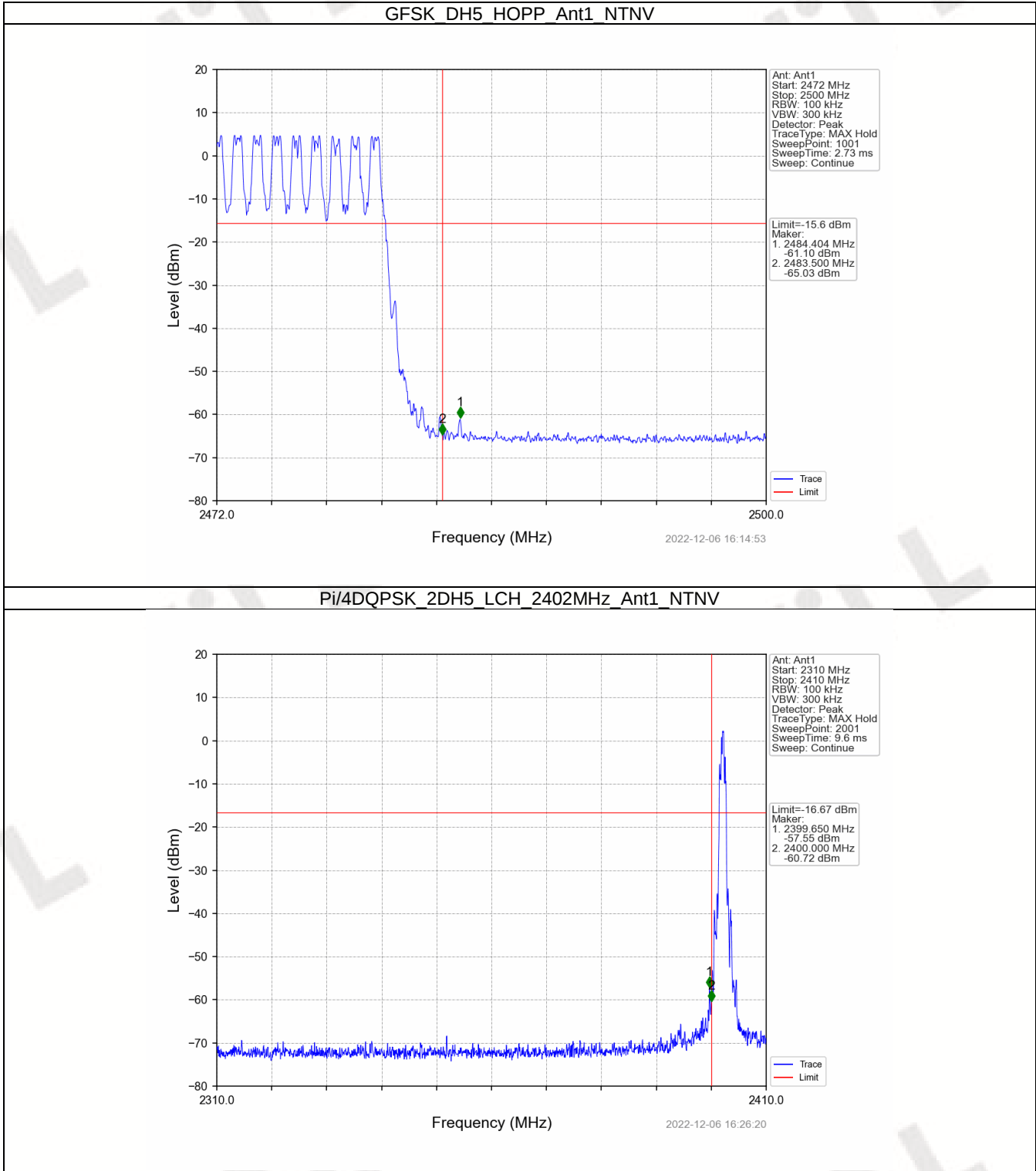


GFSK DH5 HCH 2480MHz Ant1 NTN

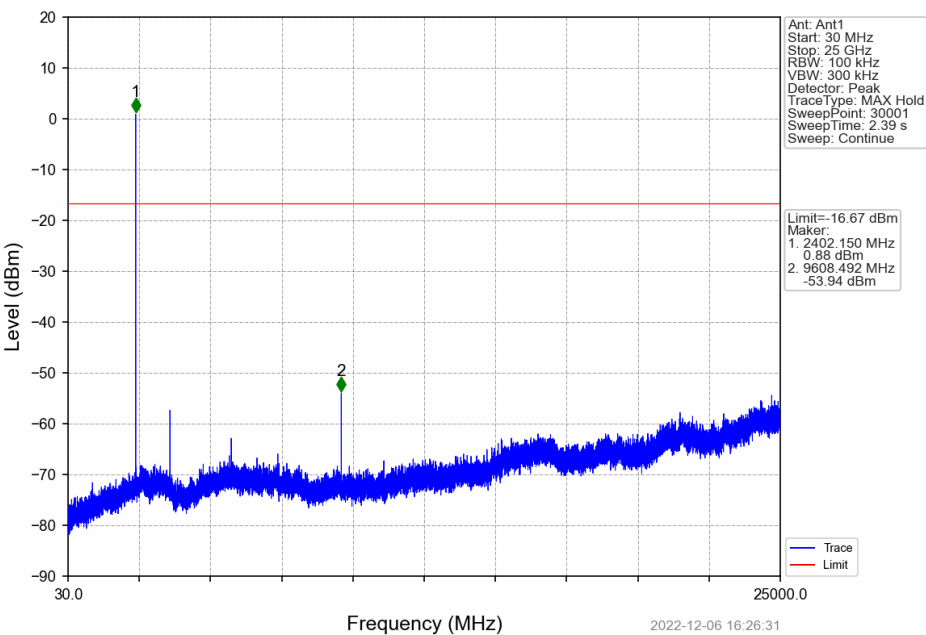


GFSK_DH5_HOPP_Ant1_NTN

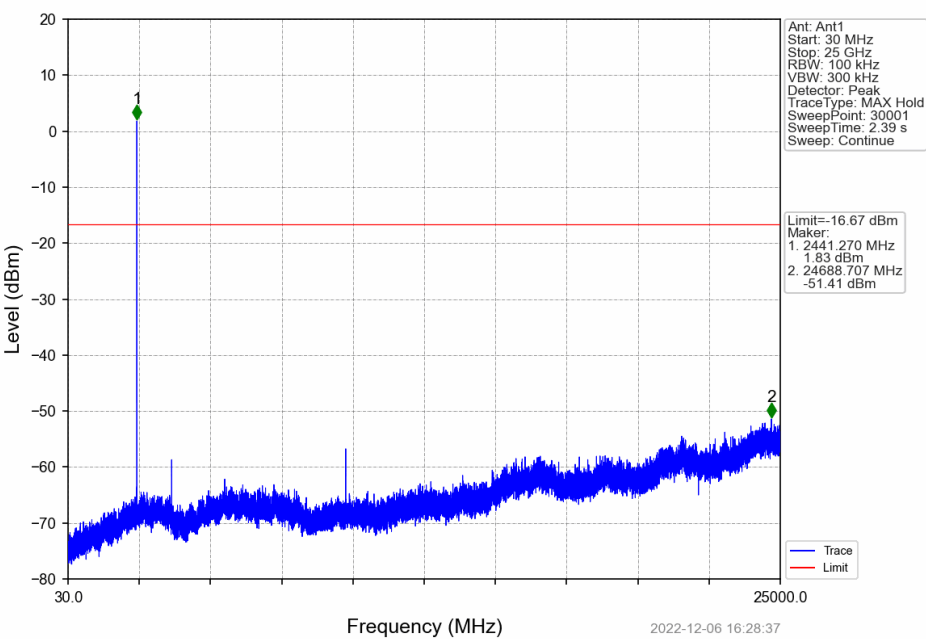




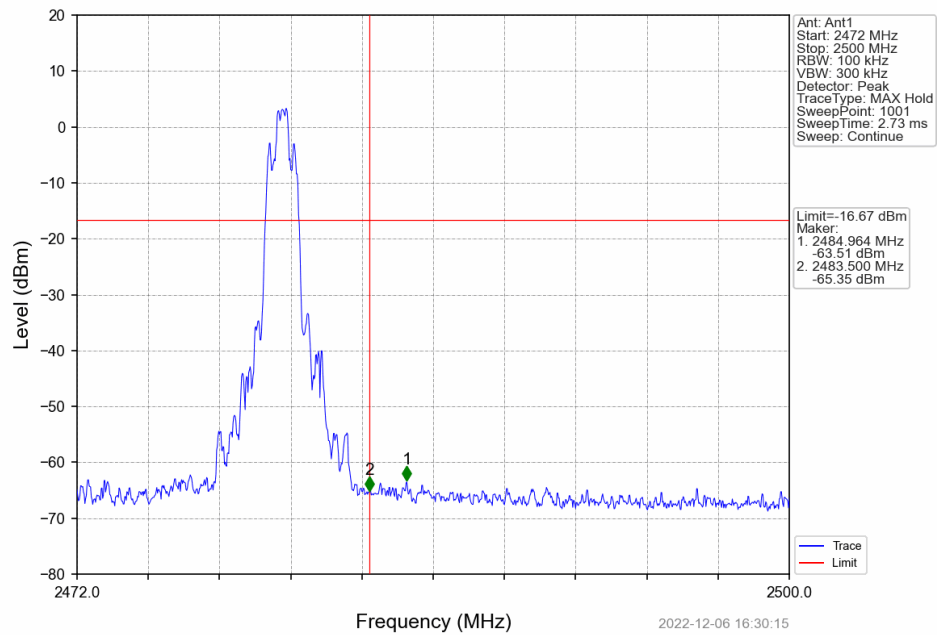
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



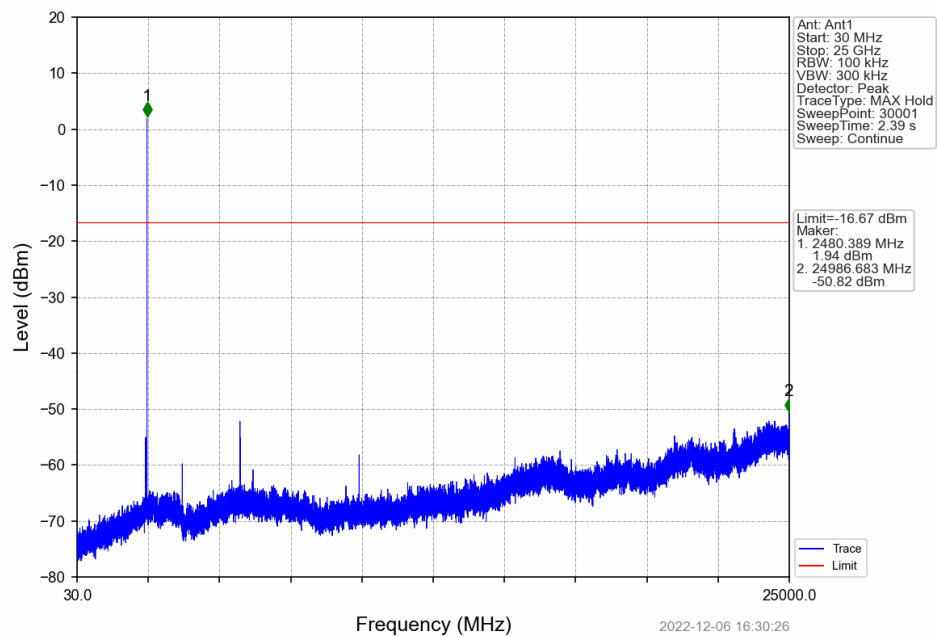
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

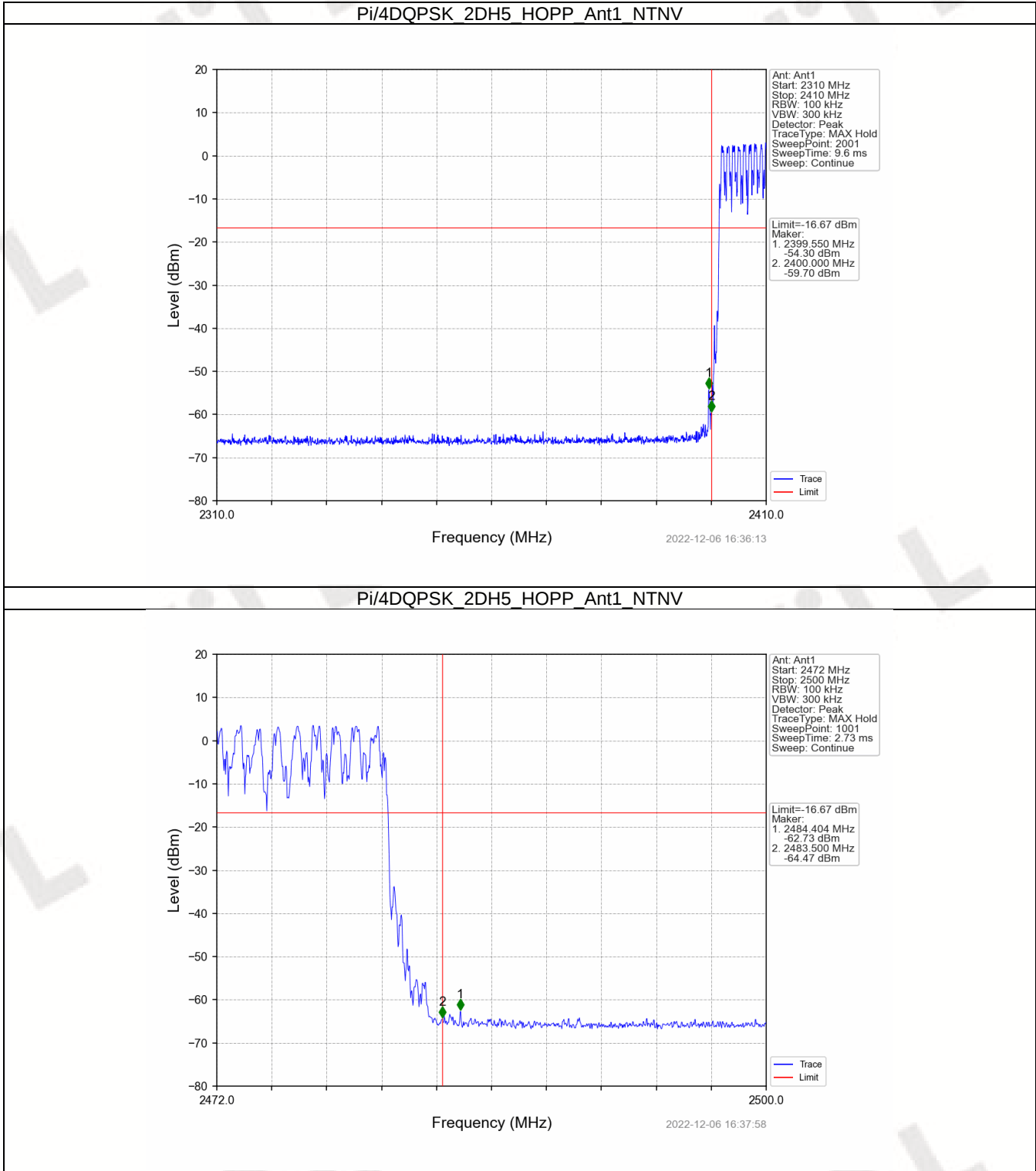


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

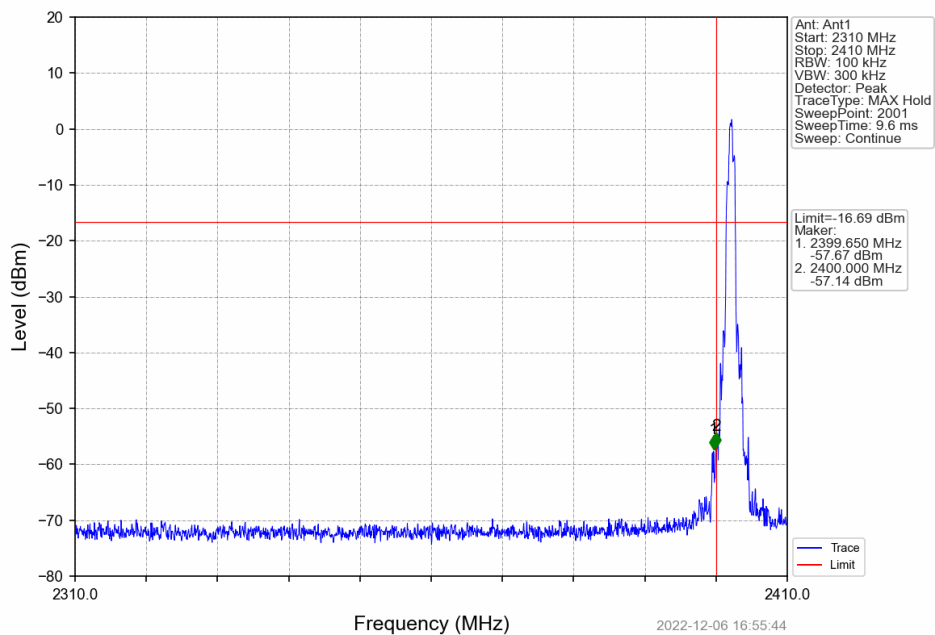


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV





8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 LCH 2402MHz Ant1 NTN

