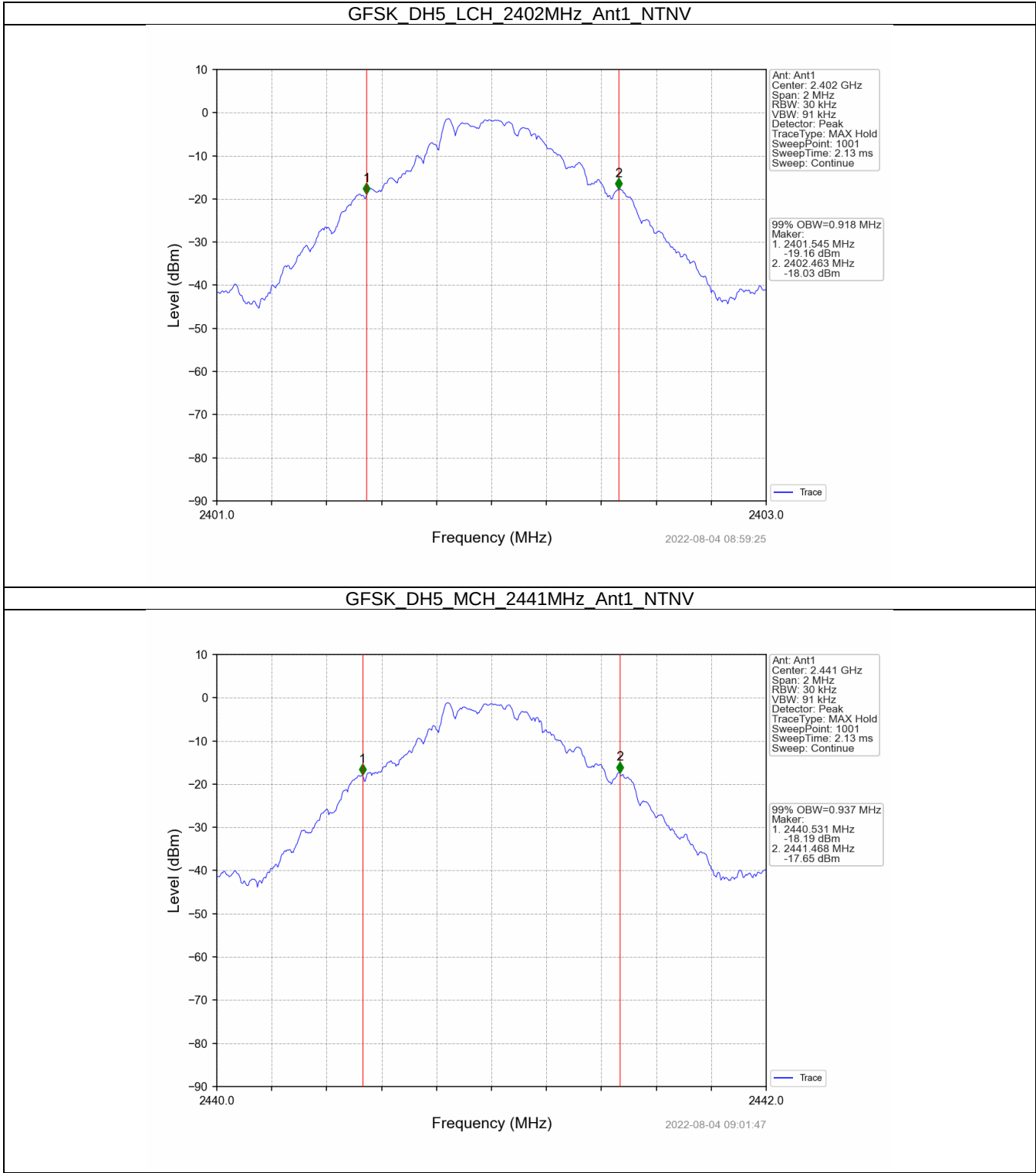


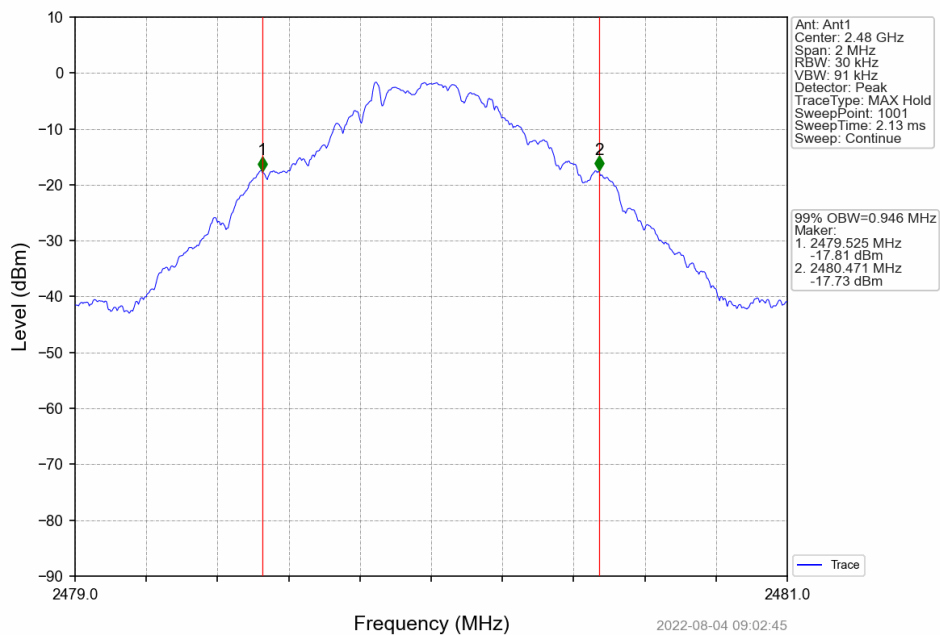
Test Data for Bluetooth**Product Name: 5-IN-1 TURNTABLE SYSTEM****Test Model: VHRP-1300****1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.918	Pass
		2441	DH5	1	0.937	Pass
		2480	DH5	1	0.946	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.198	Pass
		2441	2DH5	1	1.213	Pass
		2480	2DH5	1	1.209	Pass
8DPSK	SISO	2402	3DH5	1	1.198	Pass
		2441	3DH5	1	1.200	Pass
		2480	3DH5	1	1.198	Pass

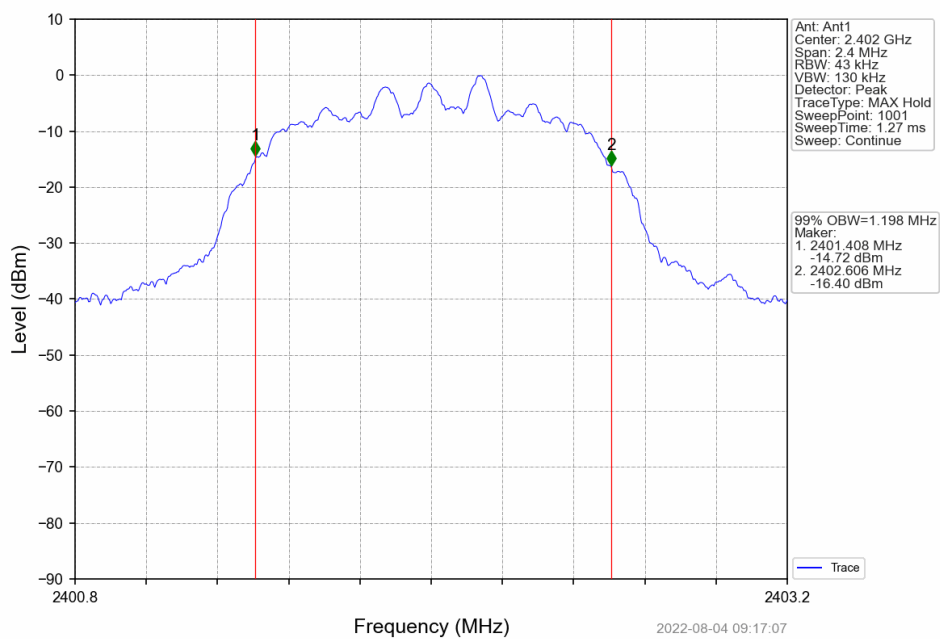
1.1.2 Test Graph



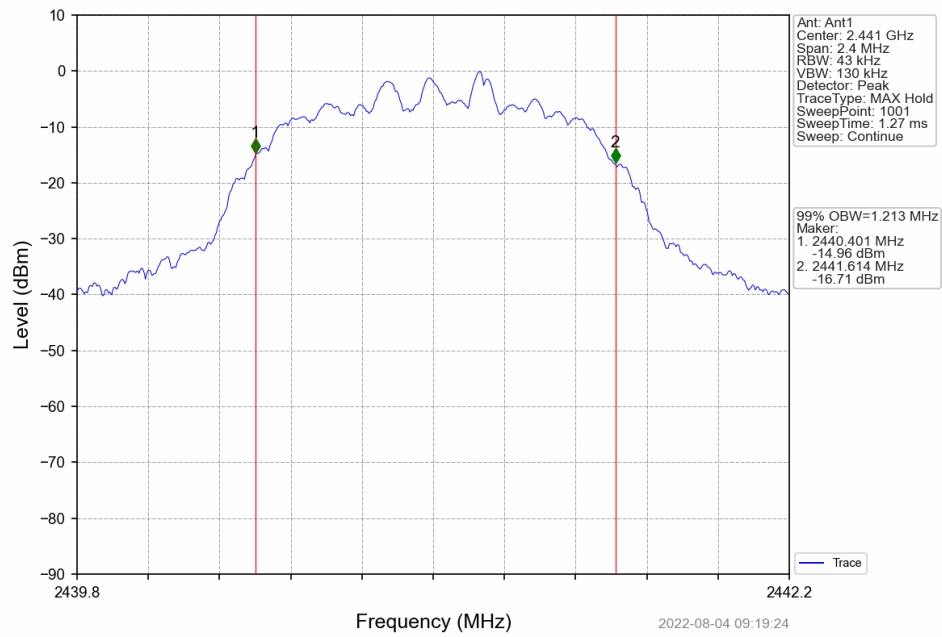
GFSK DH5 HCH 2480MHz Ant1 NTN



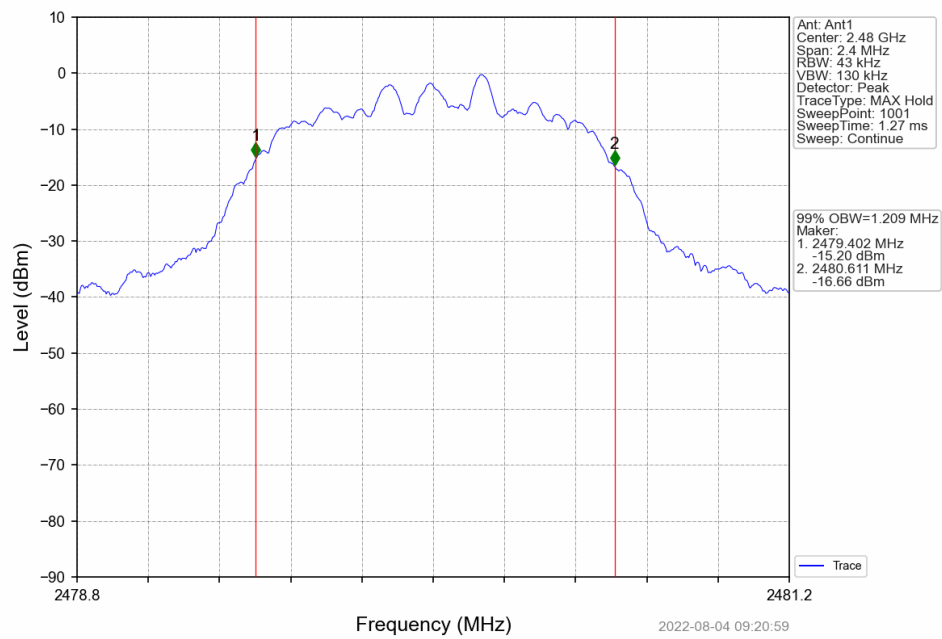
Pi/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



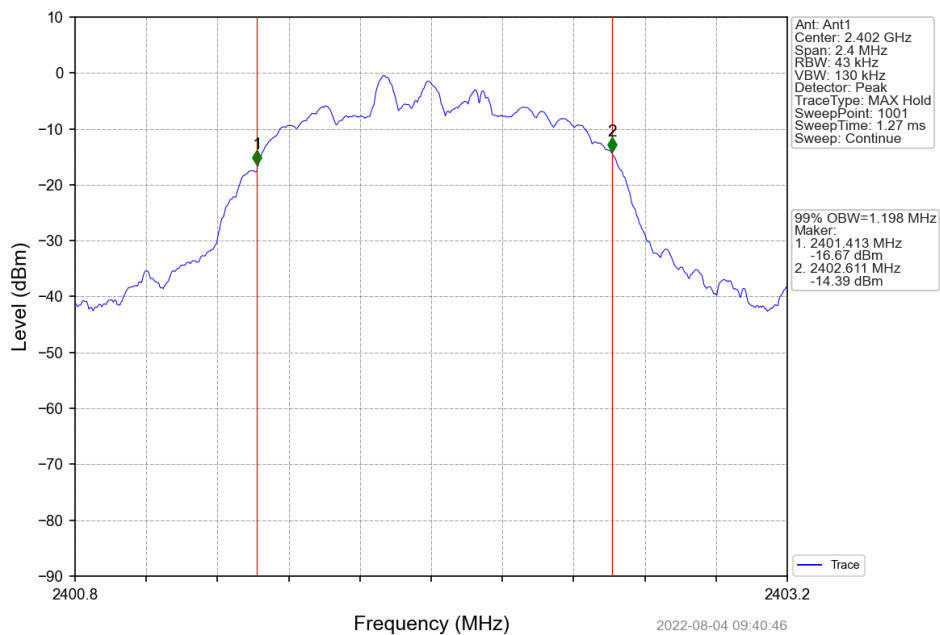
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTN



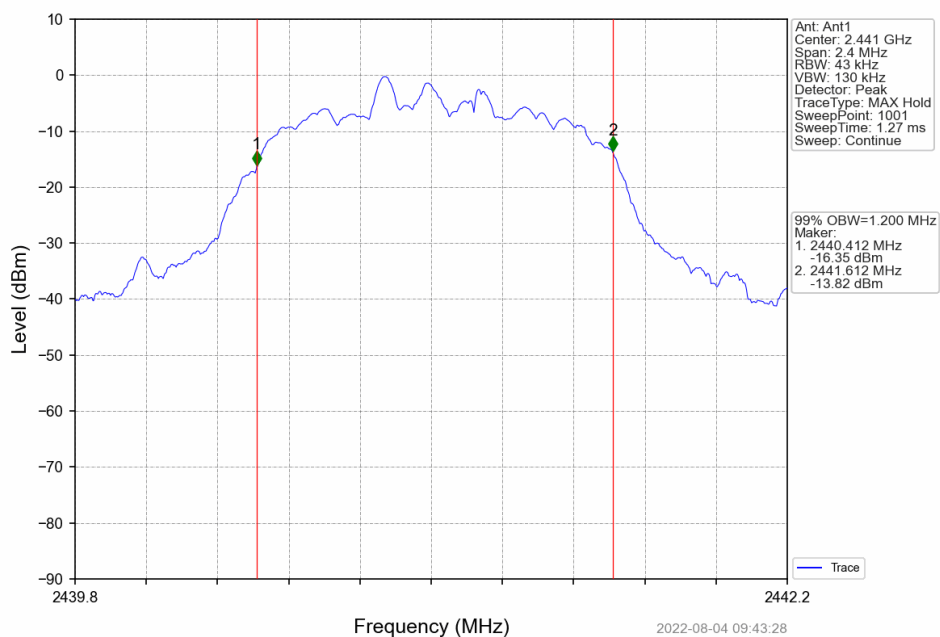
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTN

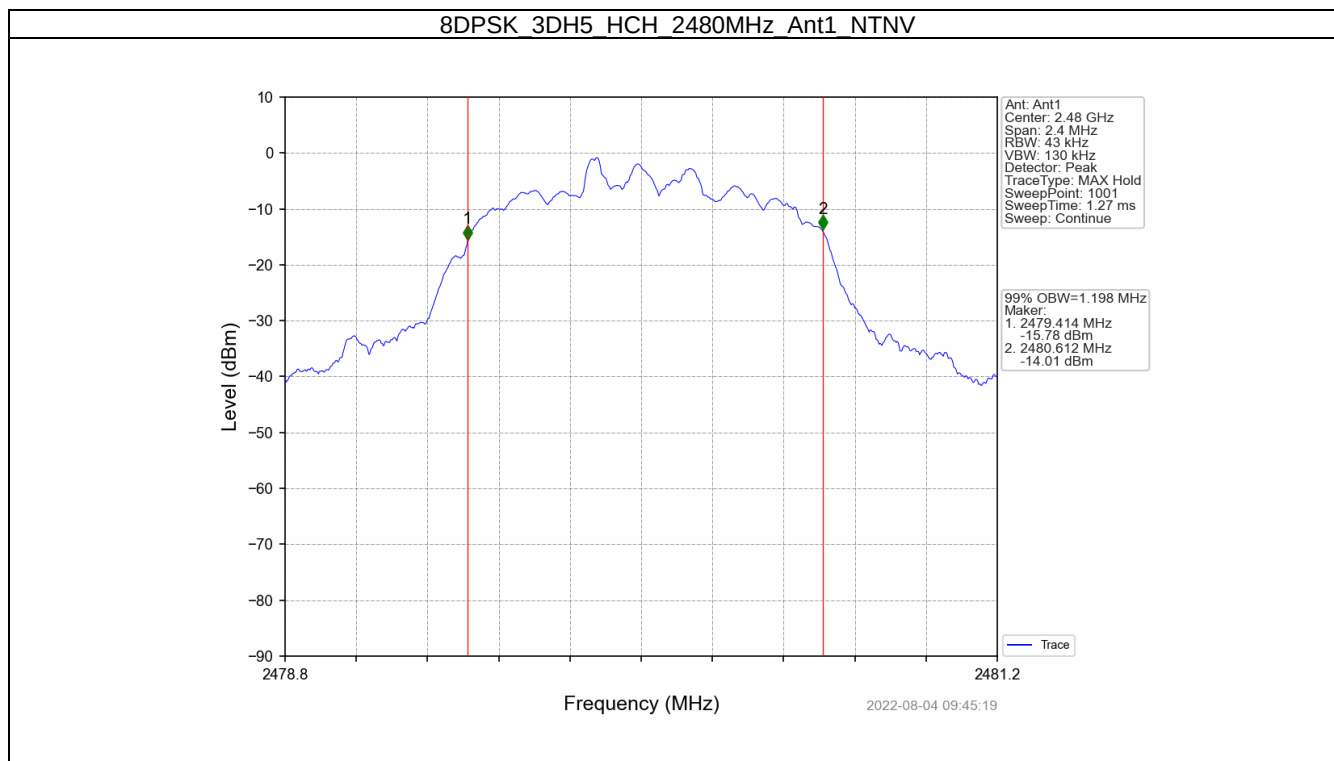


8DPSK 3DH5 LCH 2402MHz Ant1 NTV



8DPSK 3DH5 MCH 2441MHz Ant1 NTV



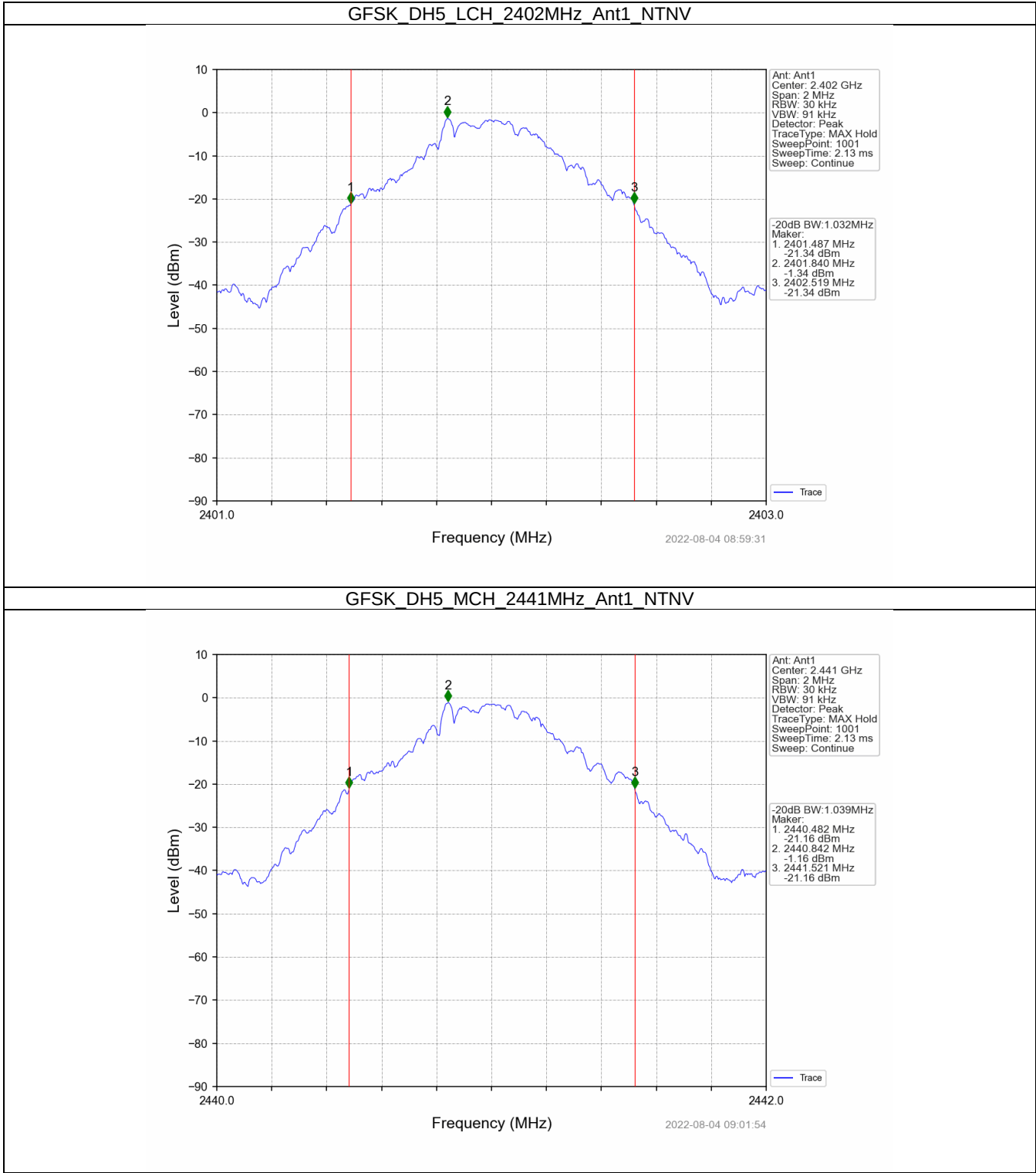


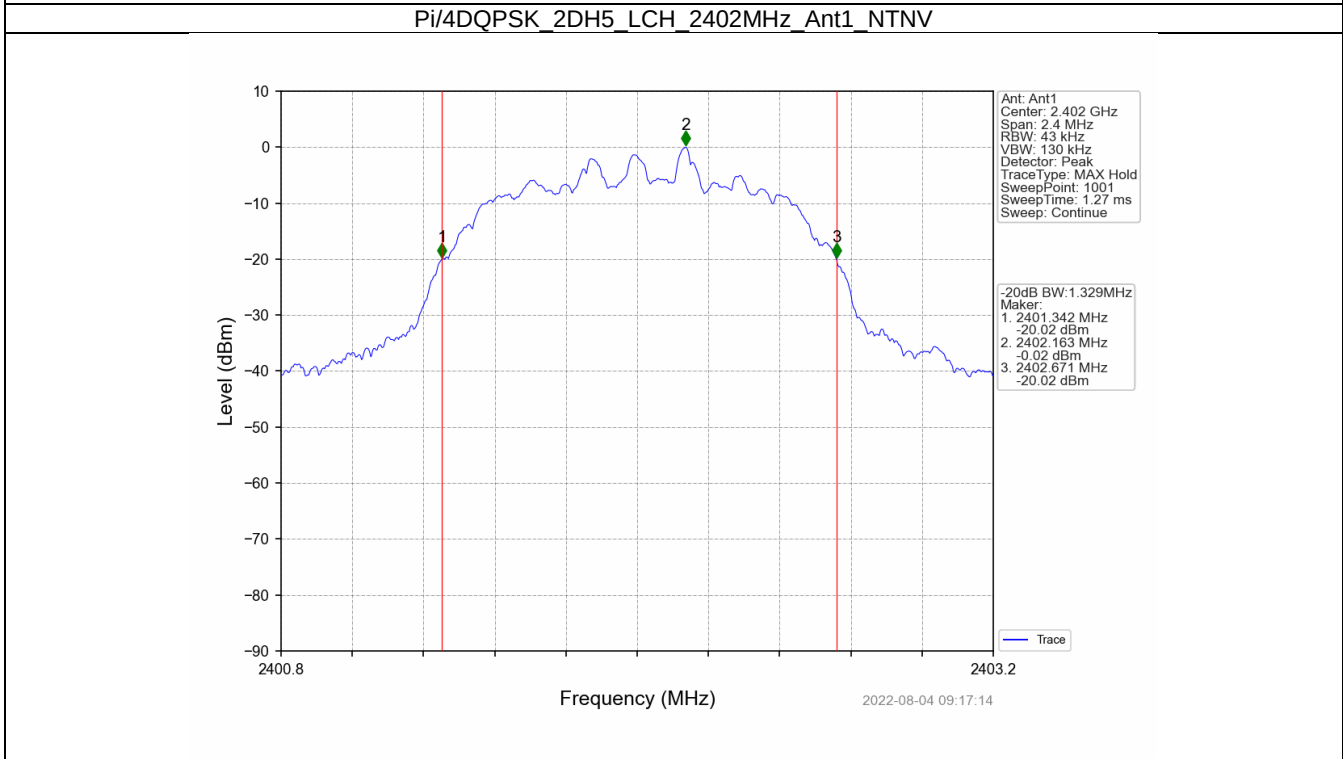
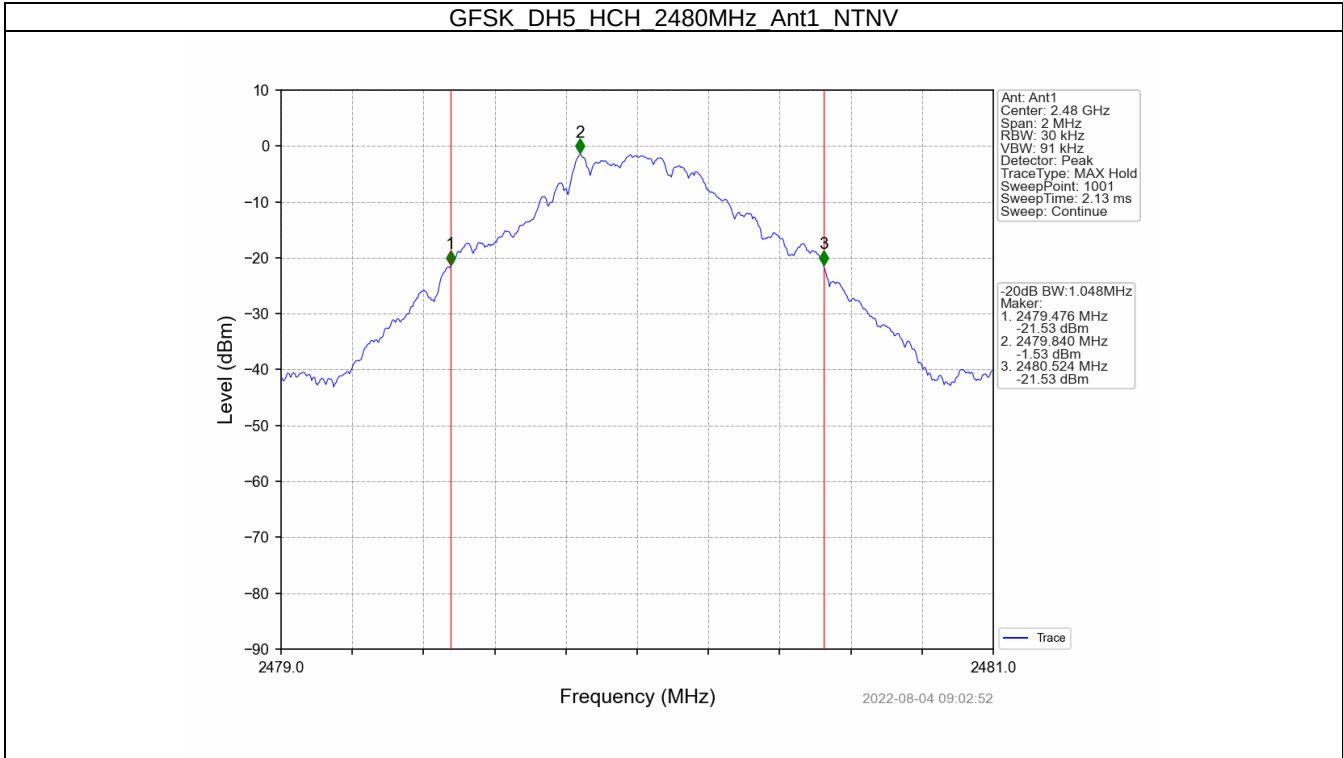
1.2 20dB BW

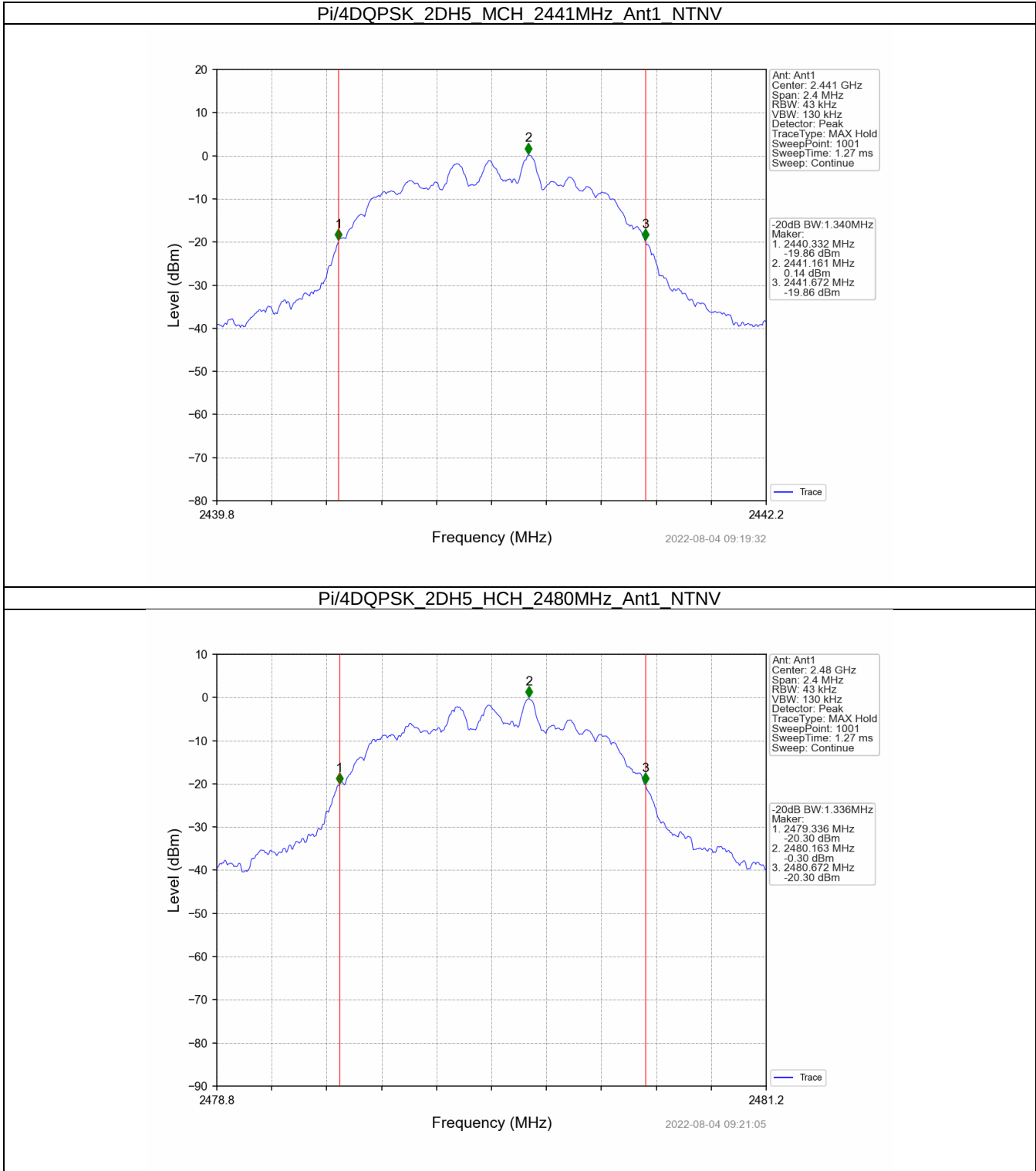
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.032	Pass
		2441	DH5	1	1.039	Pass
		2480	DH5	1	1.048	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.329	Pass
		2441	2DH5	1	1.340	Pass
		2480	2DH5	1	1.336	Pass
8DPSK	SISO	2402	3DH5	1	1.310	Pass
		2441	3DH5	1	1.310	Pass
		2480	3DH5	1	1.310	Pass

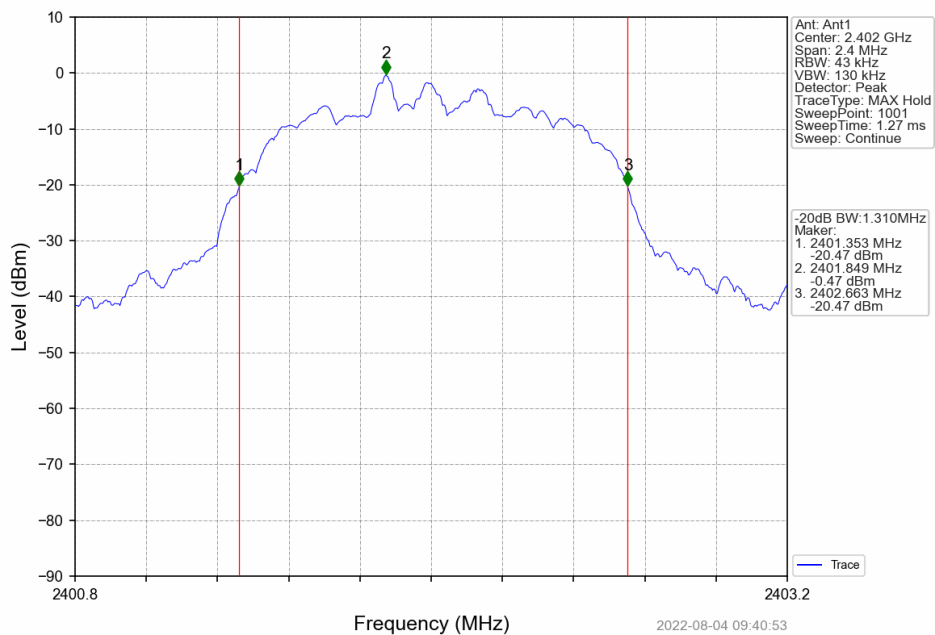
1.2.2 Test Graph



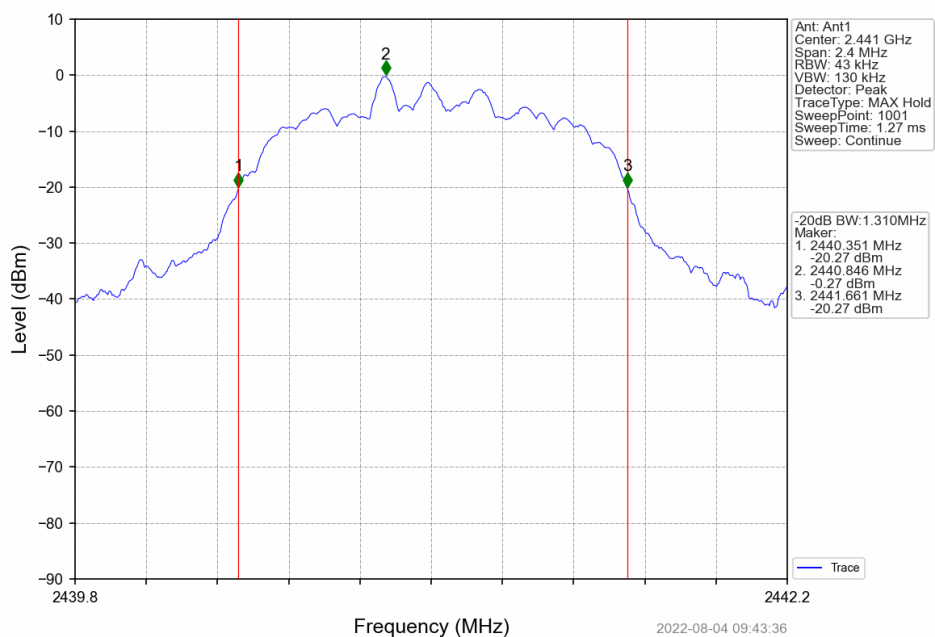


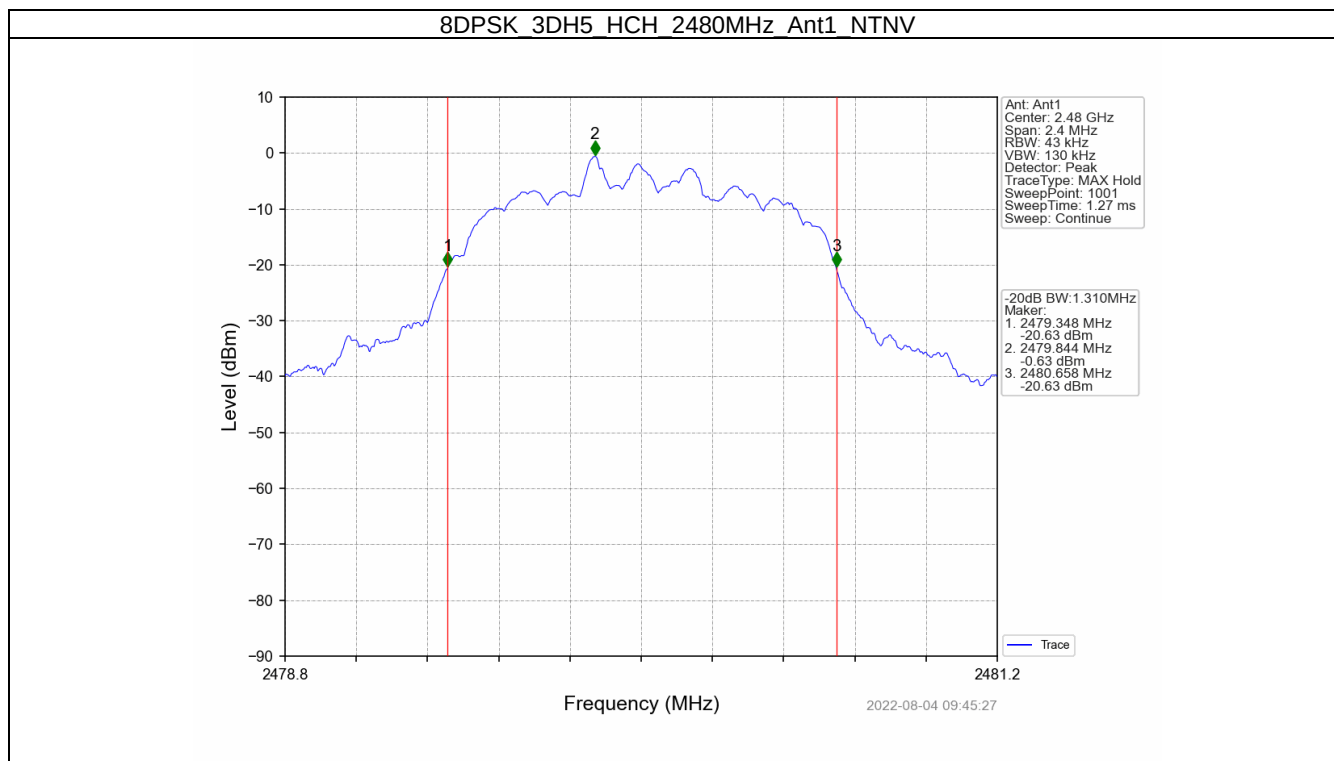


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





2. Maximum Conducted Output Power

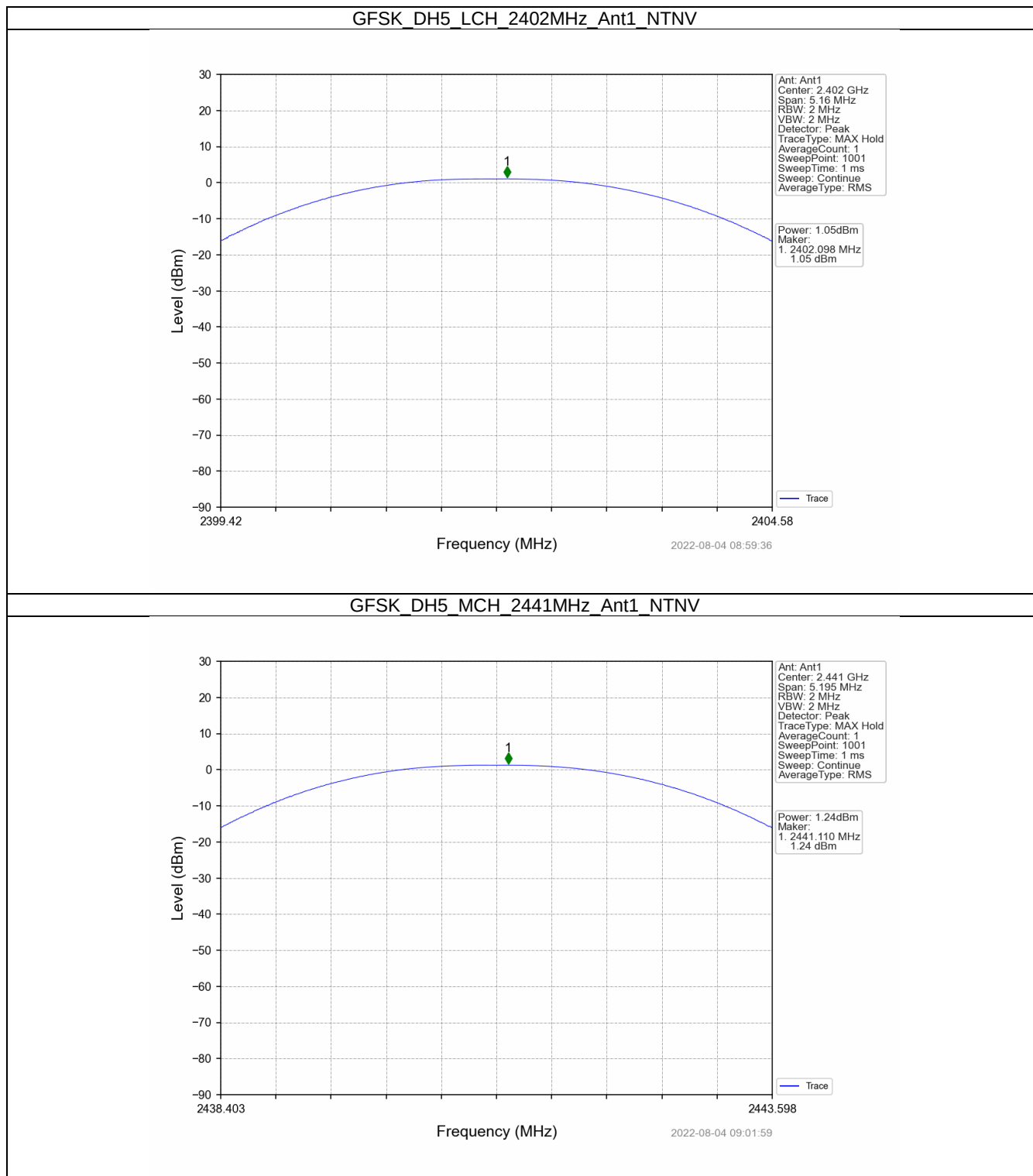
2.1 Power

2.1.1 Test Result

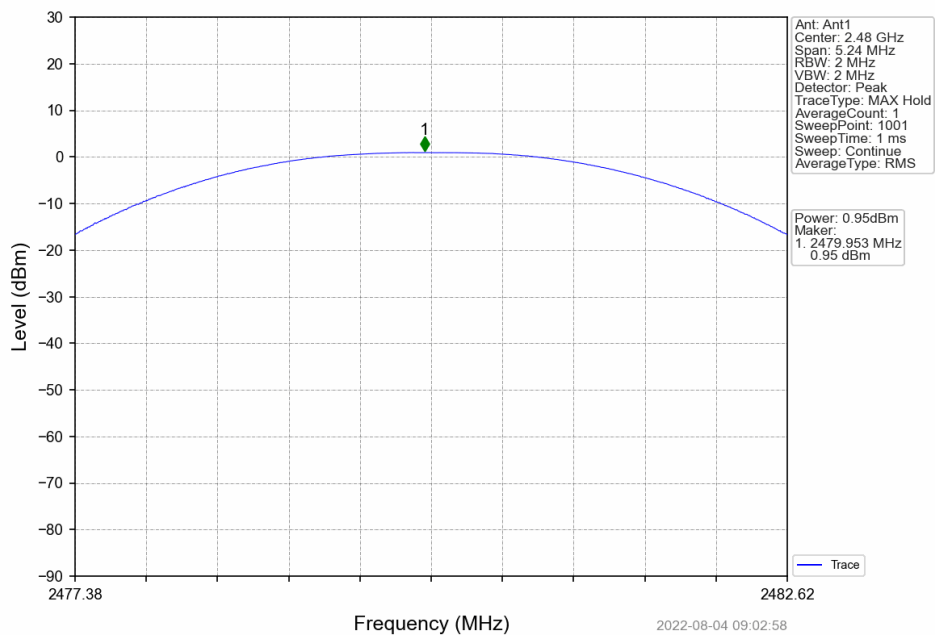
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	1.05	<=20.97	Pass
		2441	DH5	1.24	<=20.97	Pass
		2480	DH5	0.95	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.71	<=20.97	Pass
		2441	2DH5	1.95	<=20.97	Pass
		2480	2DH5	1.65	<=20.97	Pass
8DPSK	SISO	2402	3DH5	1.94	<=20.97	Pass
		2441	3DH5	2.15	<=20.97	Pass
		2480	3DH5	1.83	<=20.97	Pass

Note1: Antenna Gain: Ant1: -0.68dBi;

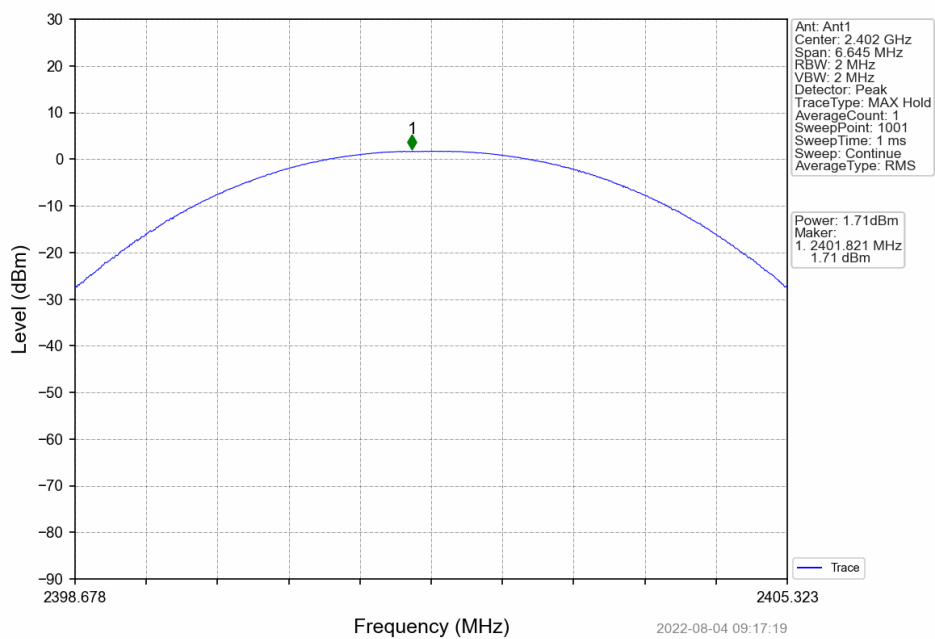
2.1.2 Test Graph



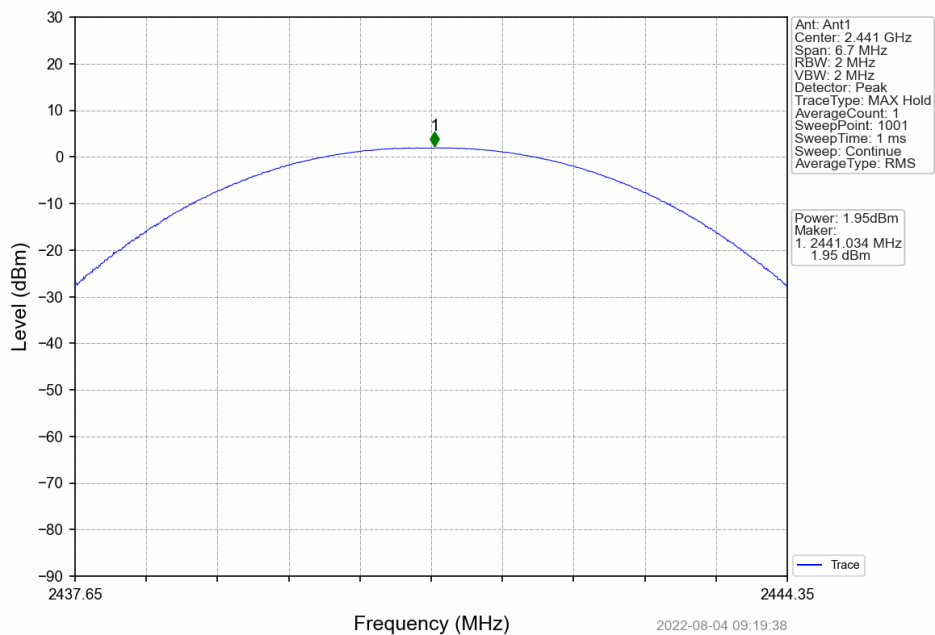
GFSK DH5 HCH 2480MHz Ant1 NTN



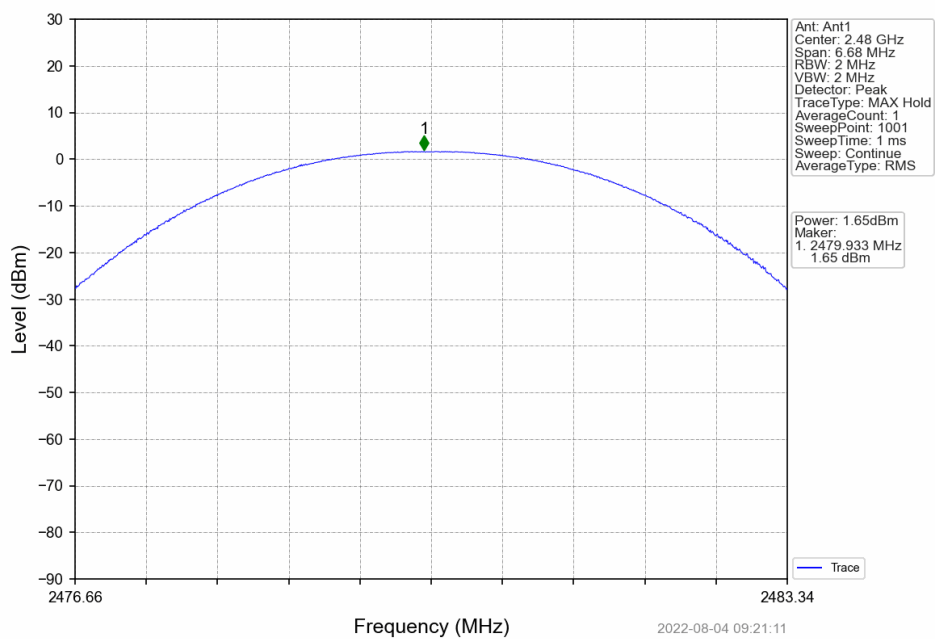
Pi/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



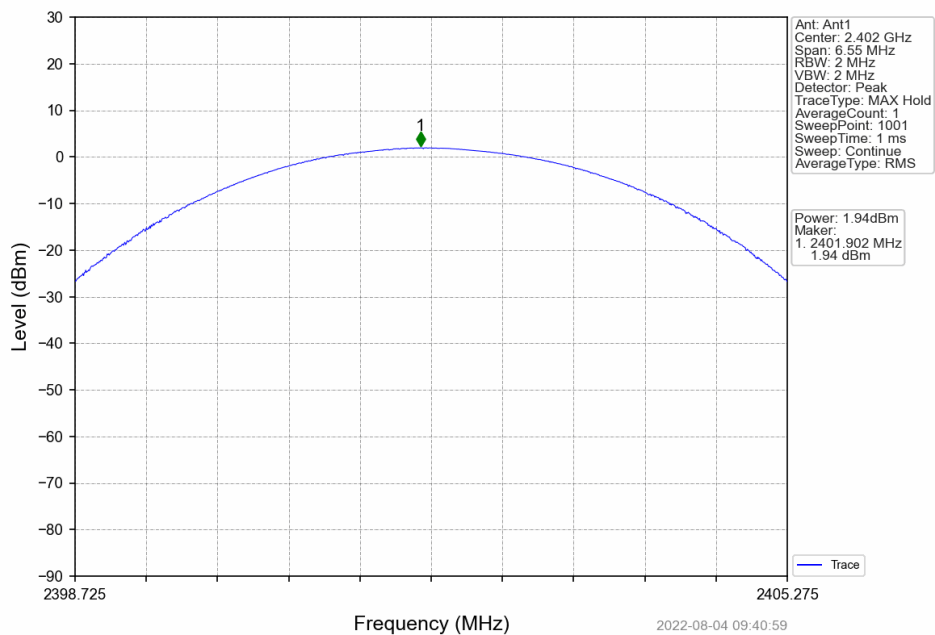
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



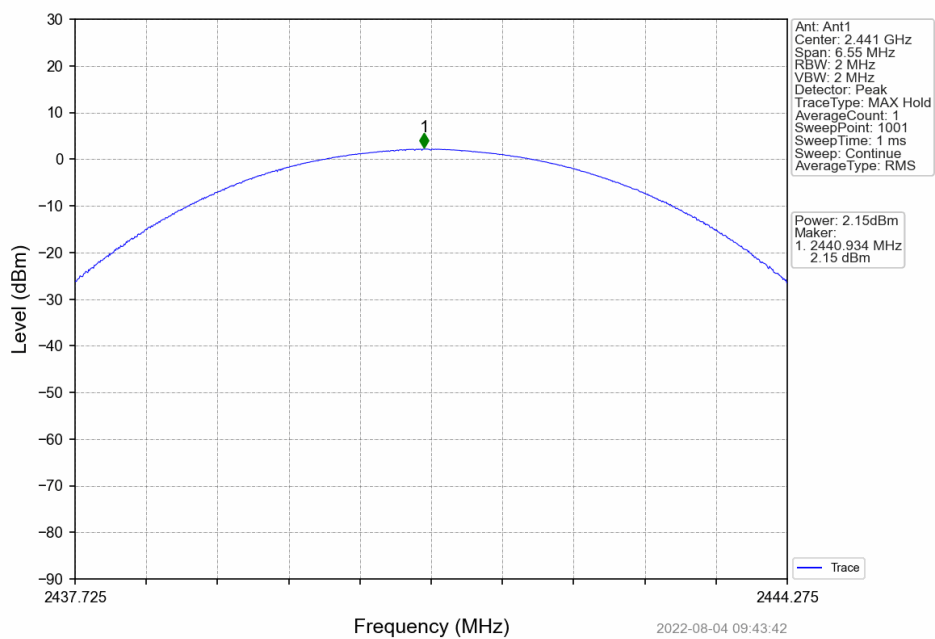
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

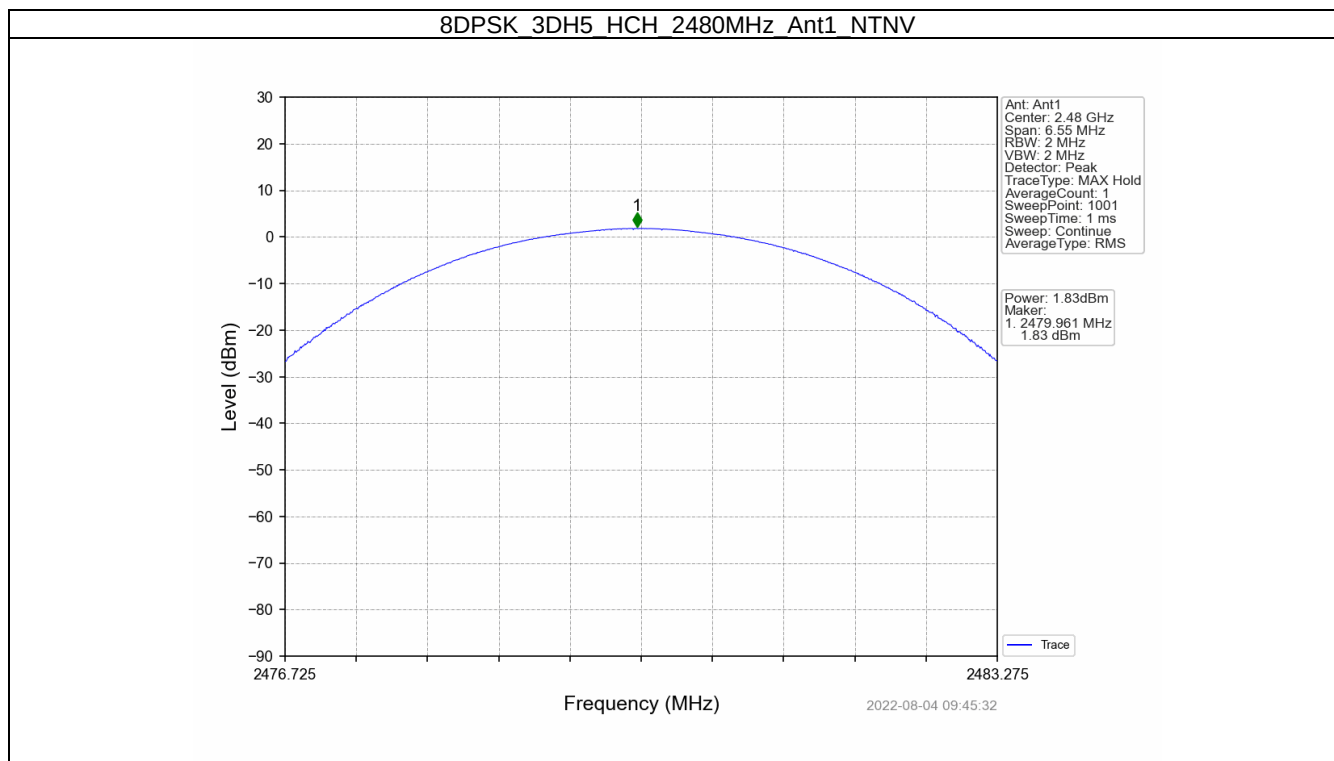


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





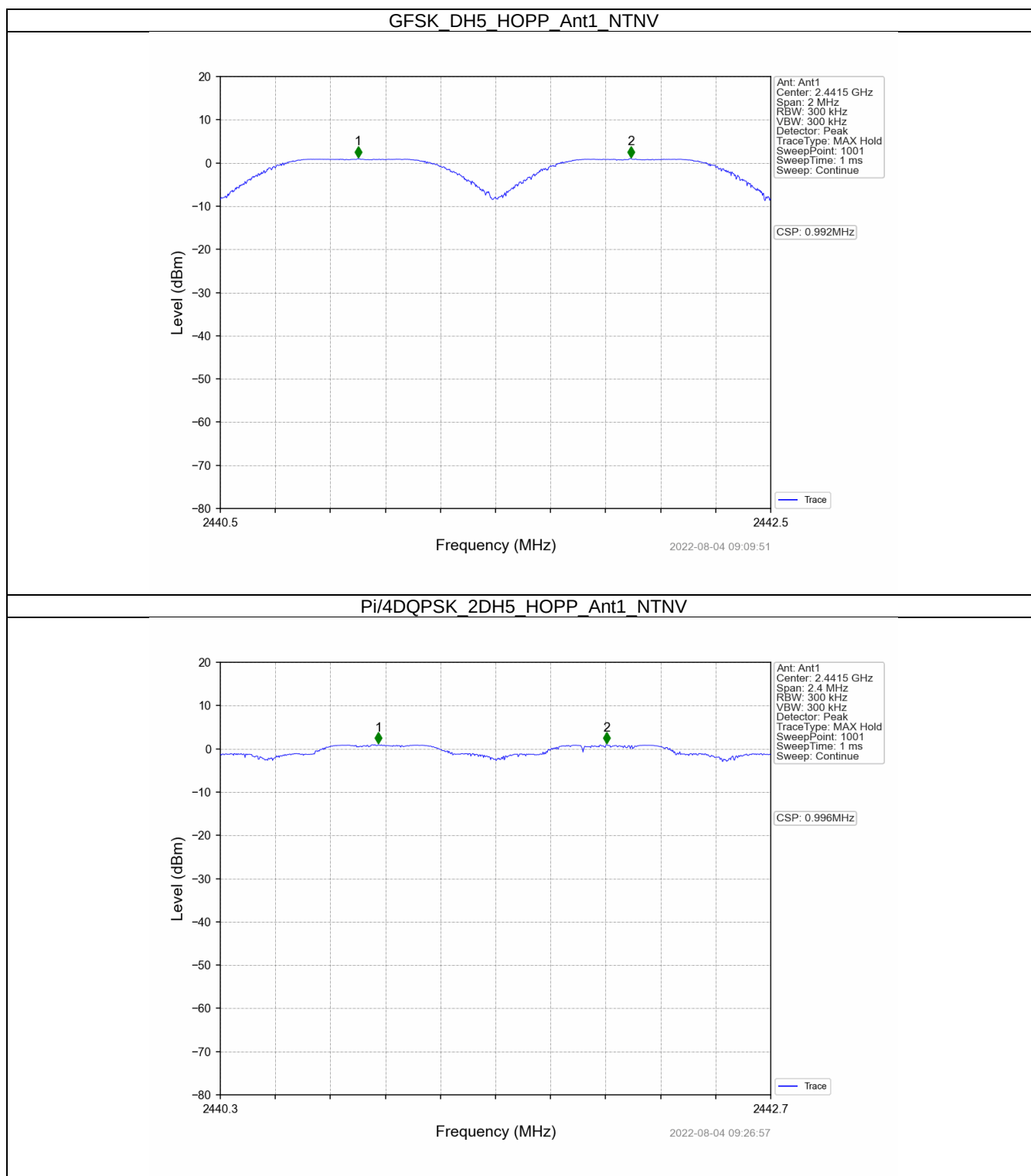
3. Carrier Frequency Separation

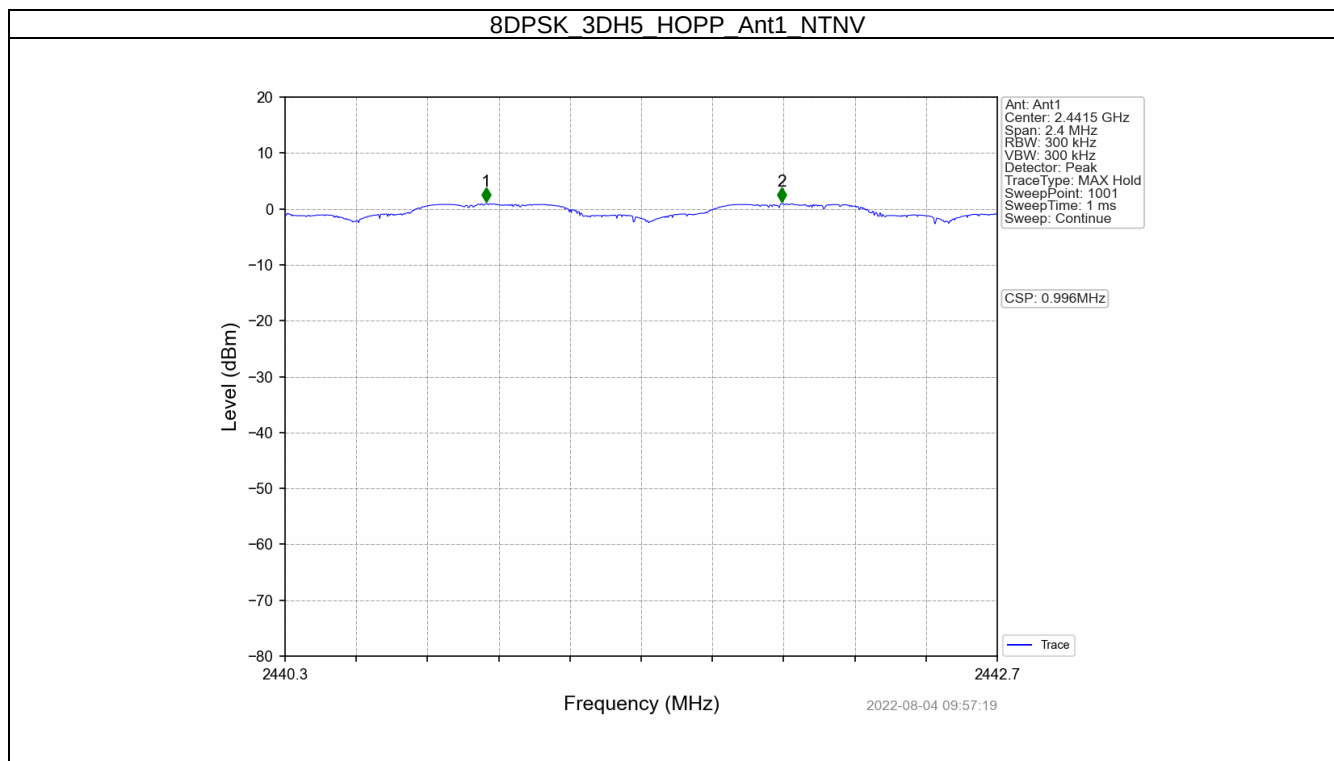
3.1 Ant1

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	0.992	1.048	≥ 0.699	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.996	1.340	≥ 0.893	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.310	≥ 0.873	Pass

3.1.2 Test Graph





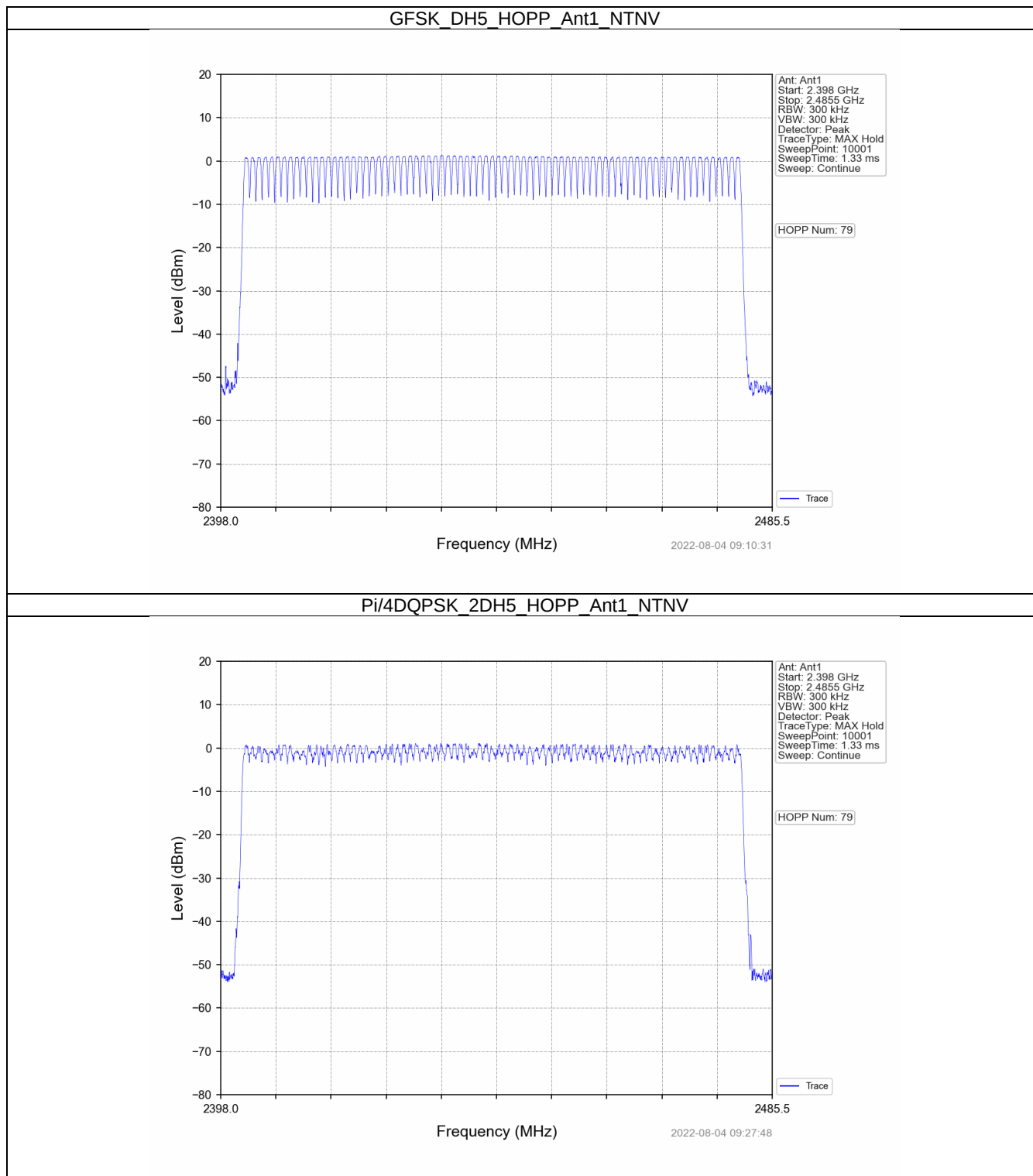
4. Number of Hopping Frequencies

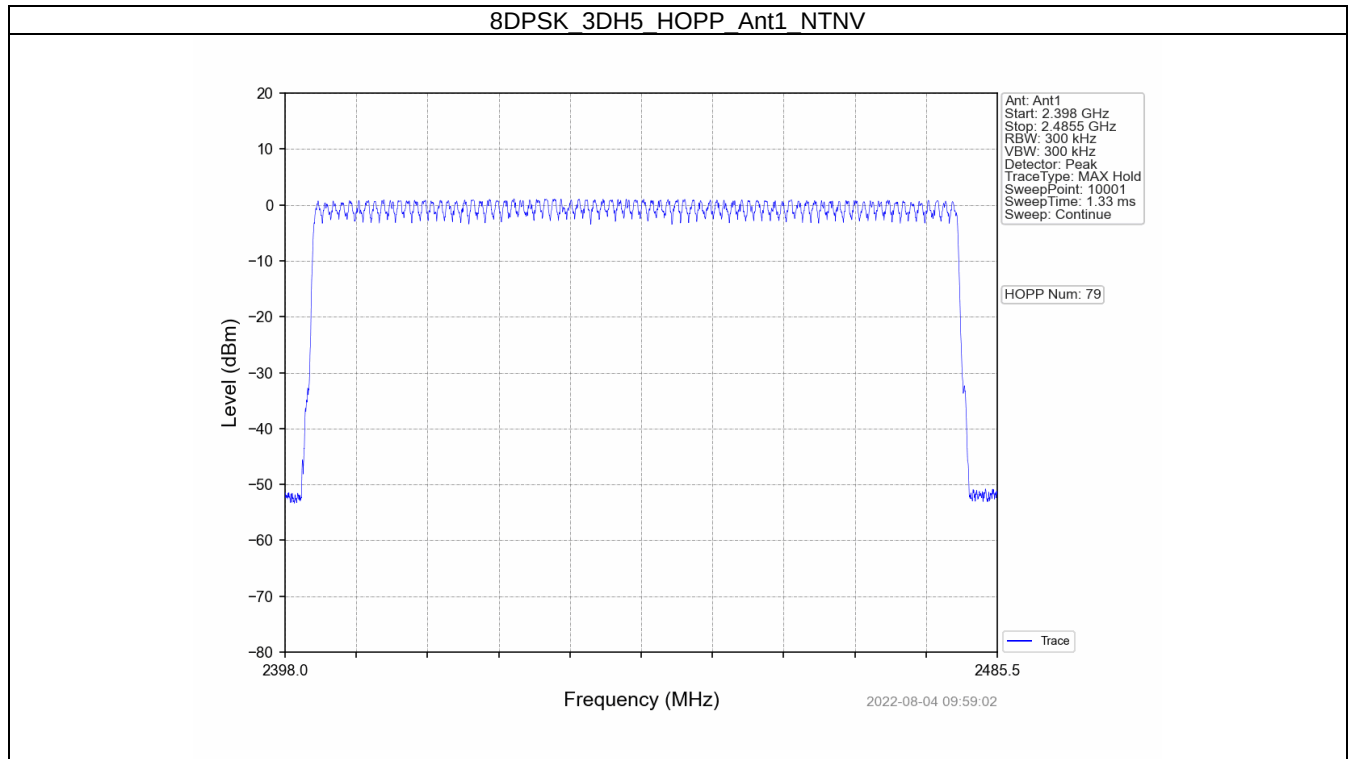
4.1 HoppNum

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





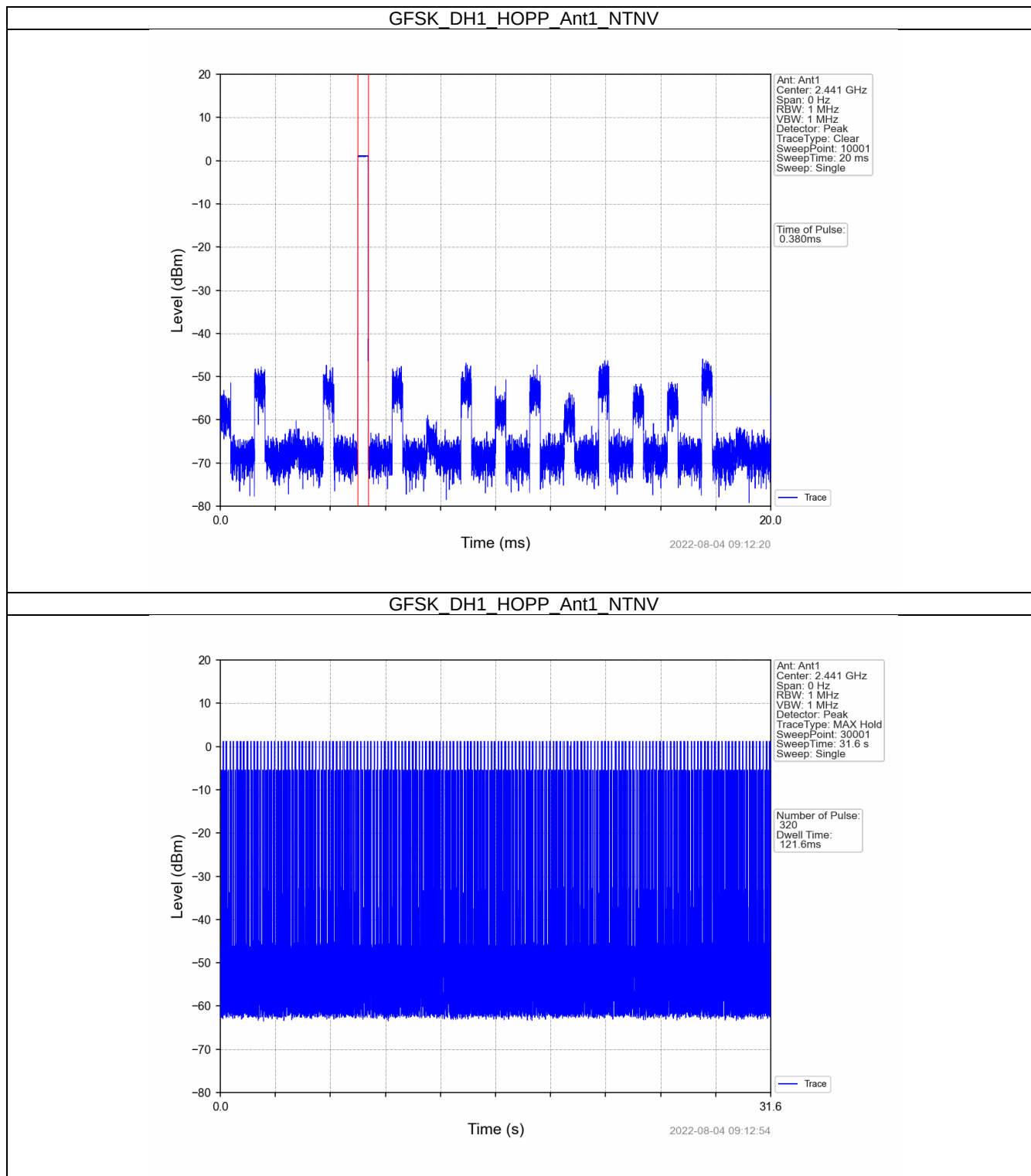
5. Time of Occupancy (Dwell Time)

5.1 Ant1

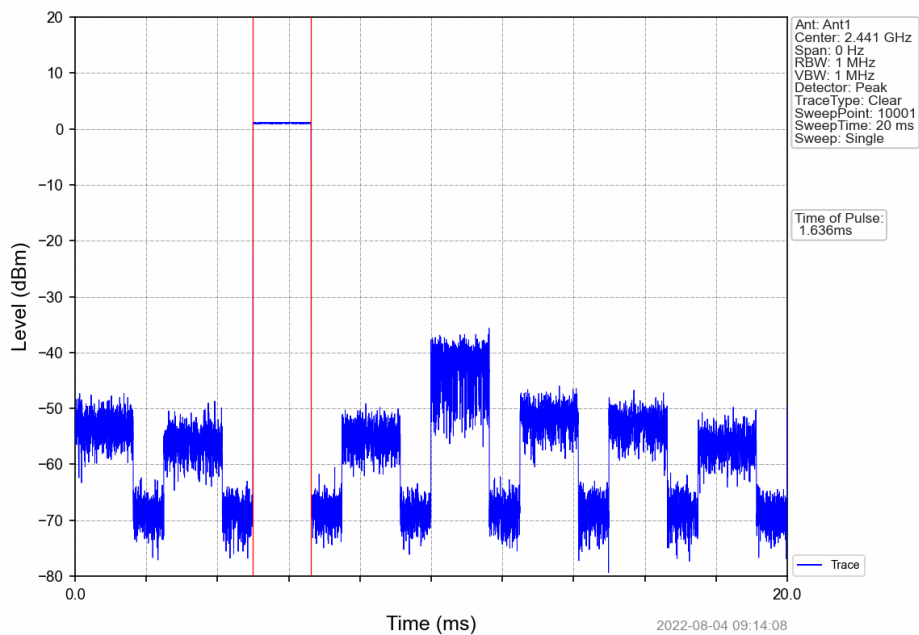
5.1.1 Test Result

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	0.380	31.600	320	121.600	<=400	Pass
			DH3	1.636	31.600	163	266.668	<=400	Pass
			DH5	2.890	31.600	121	349.690	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass
			2DH3	1.642	31.600	155	254.510	<=400	Pass
			2DH5	2.890	31.600	101	291.890	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.640	31.600	153	250.920	<=400	Pass
			3DH5	2.894	31.600	107	309.658	<=400	Pass

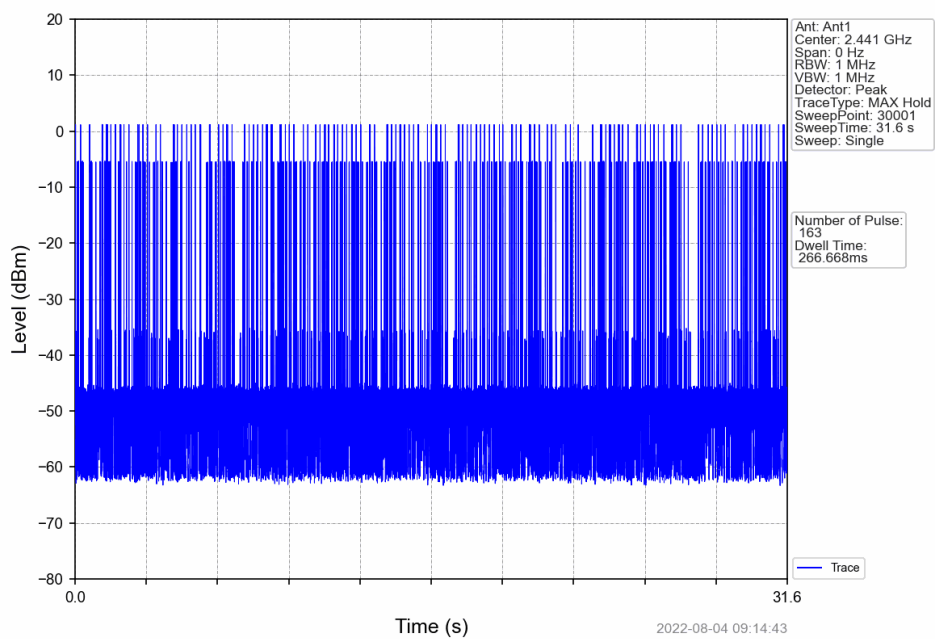
5.1.2 Test Graph



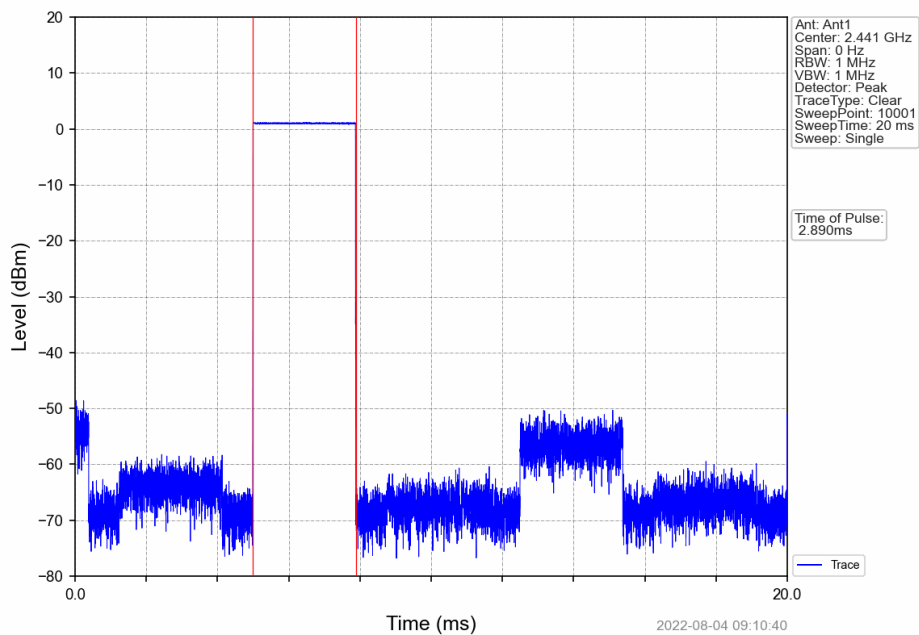
GFSK DH3 HOPP Ant1 NTN



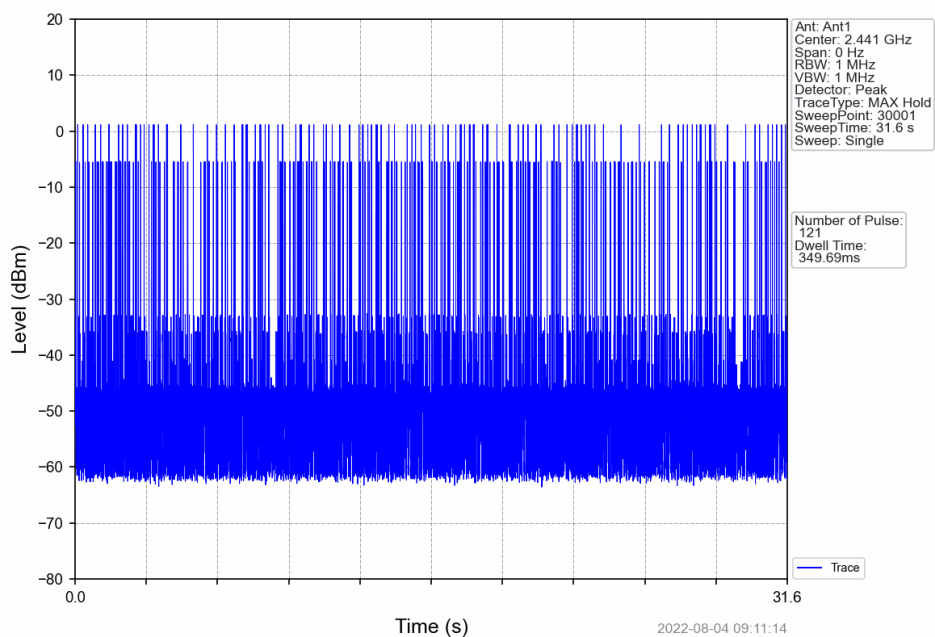
GFSK_DH3_HOPP_Ant1_NTNV



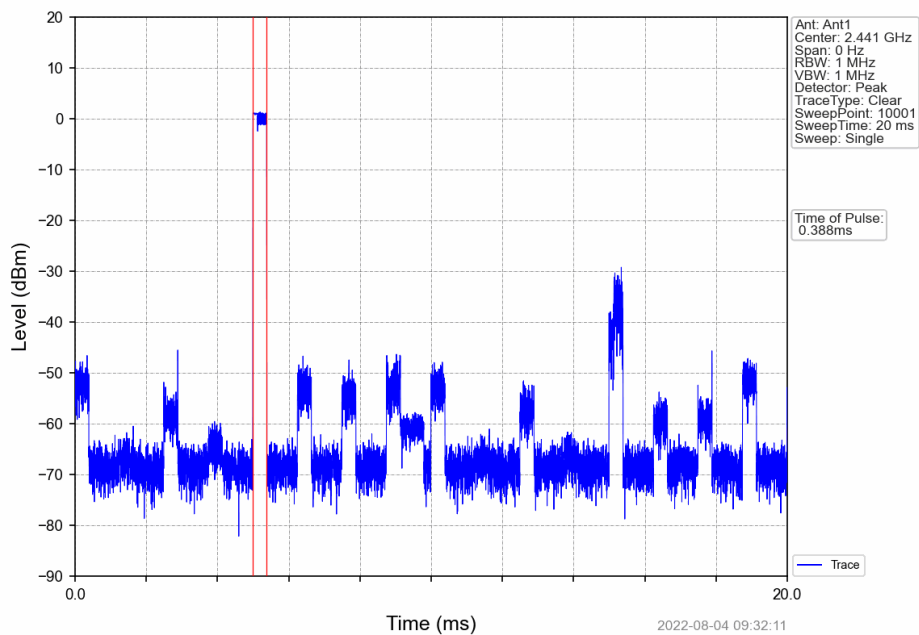
GFSK DH5 HOPP Ant1 NTN



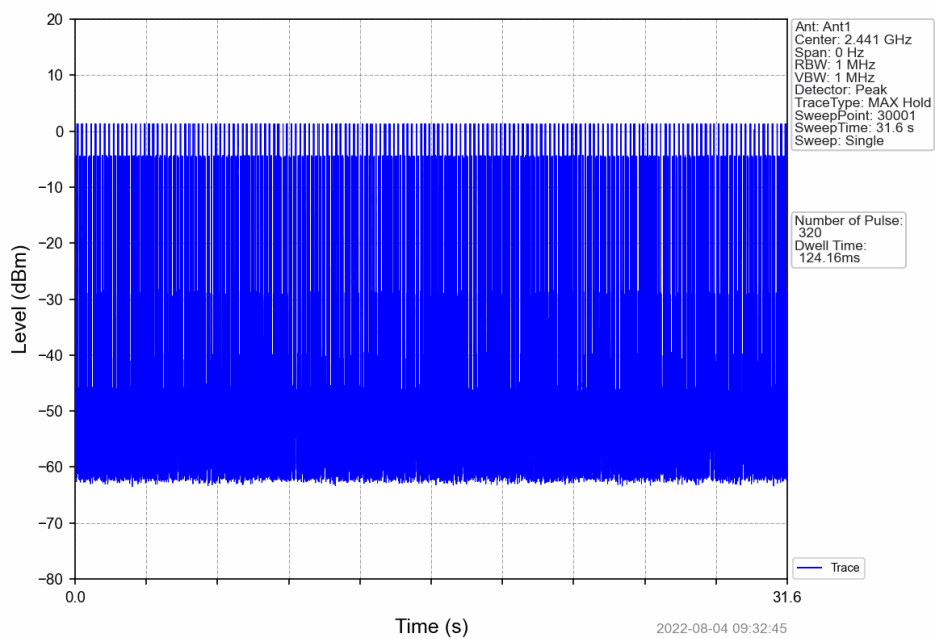
GFSK_DH5_HOPP_Ant1_NTNV



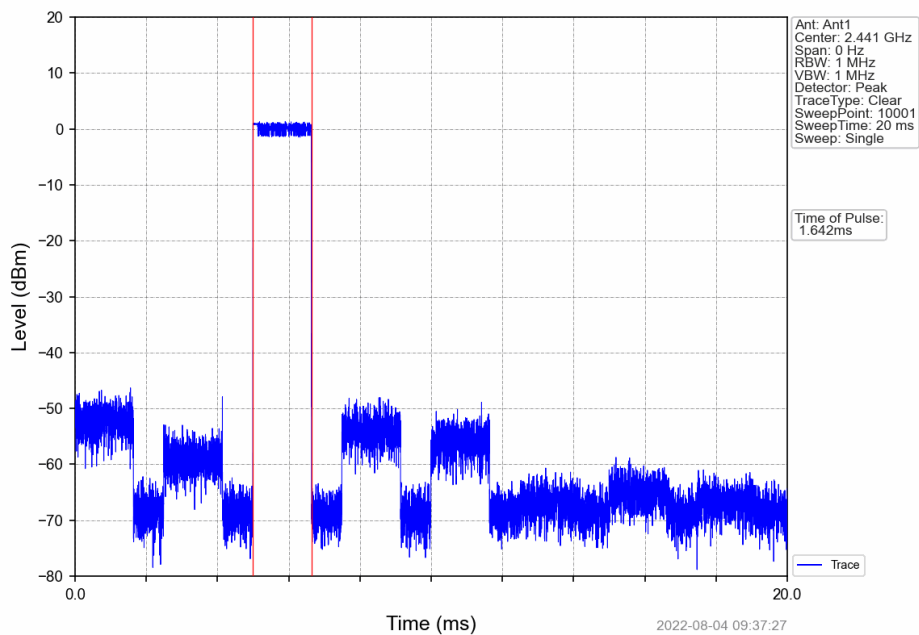
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



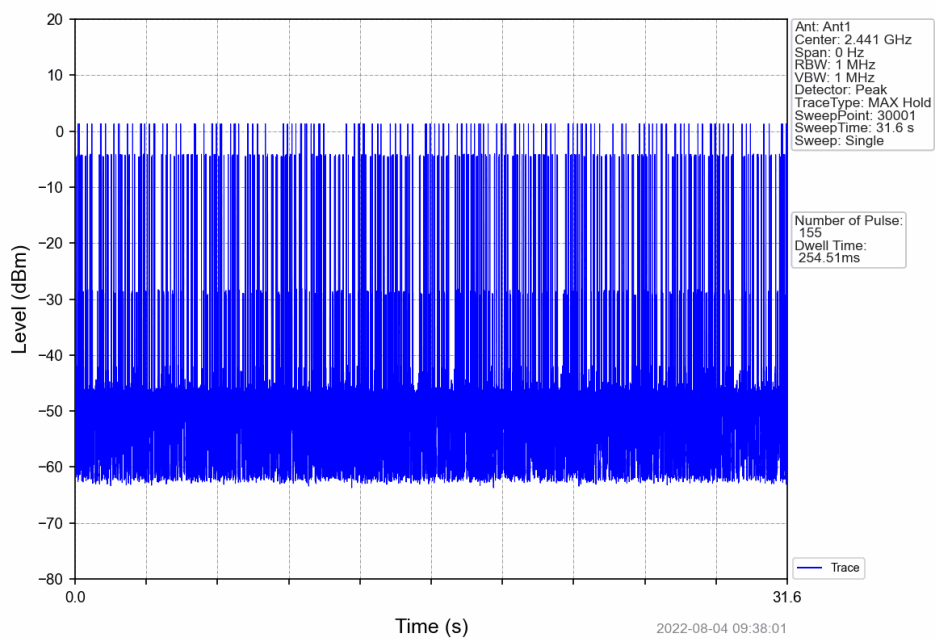
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



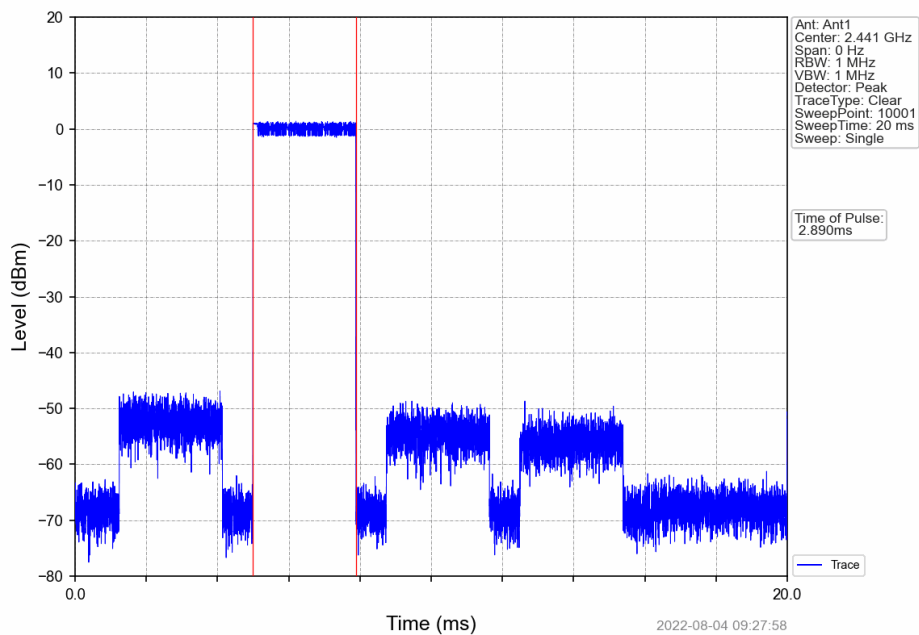
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



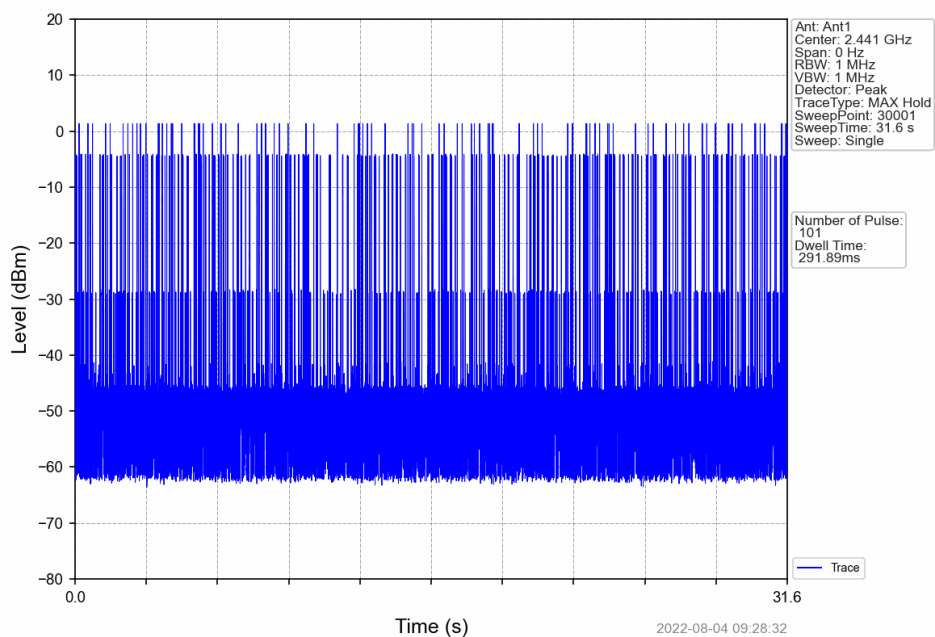
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



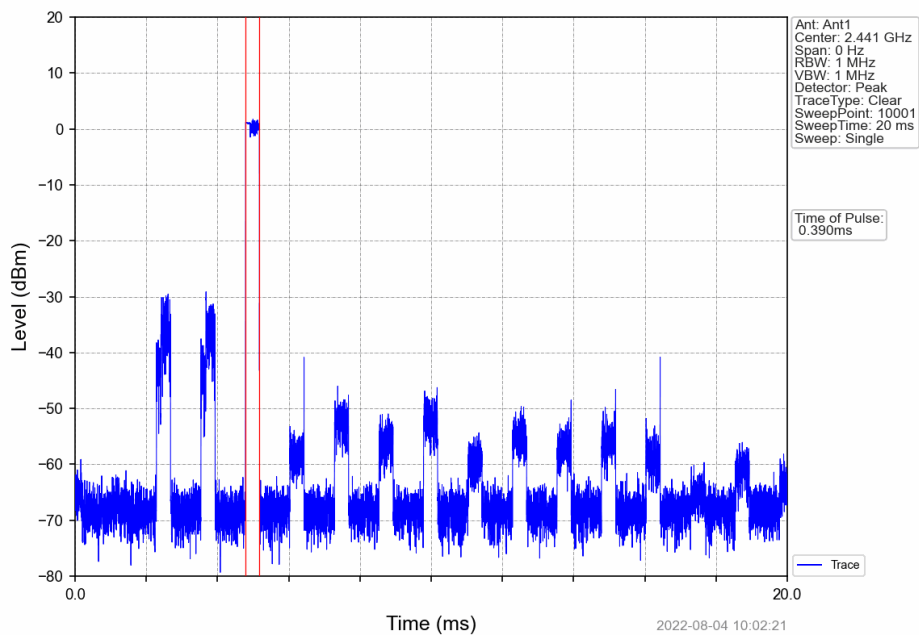
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



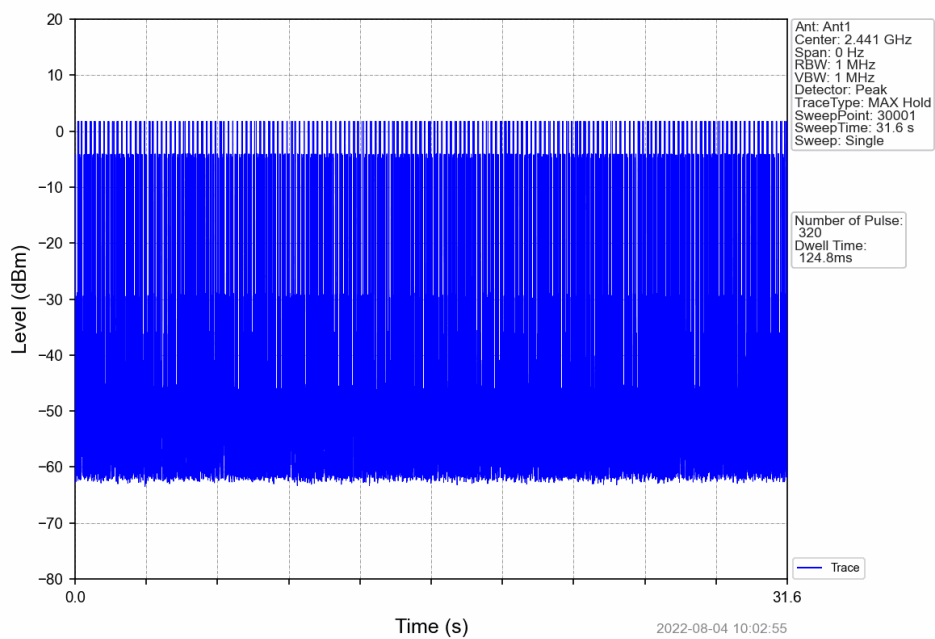
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



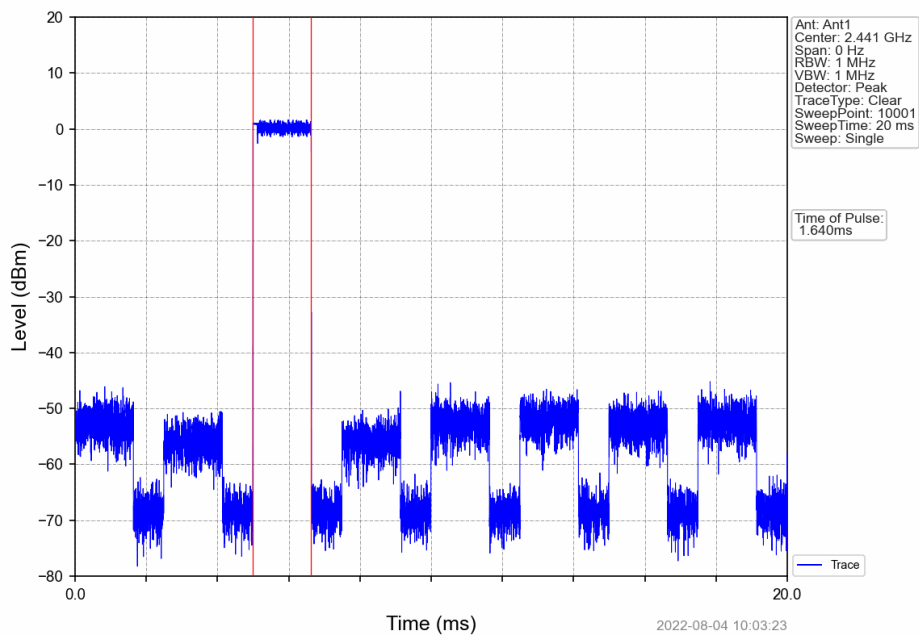
8DPSK 3DH1 HOPP Ant1 NTN



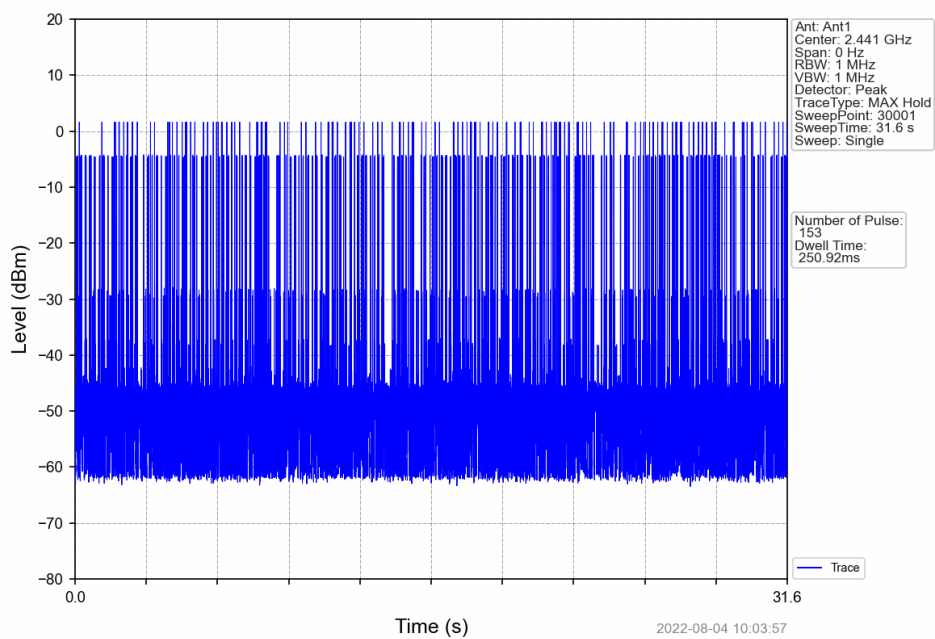
8DPSK 3DH1 HOPP Ant1 NTN



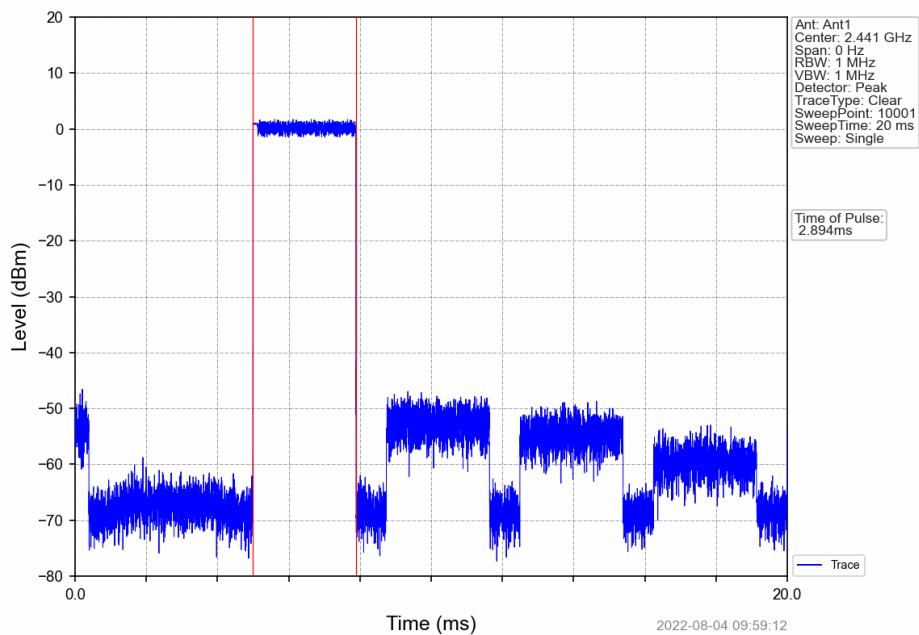
8DPSK 3DH3 HOPP Ant1 NTN



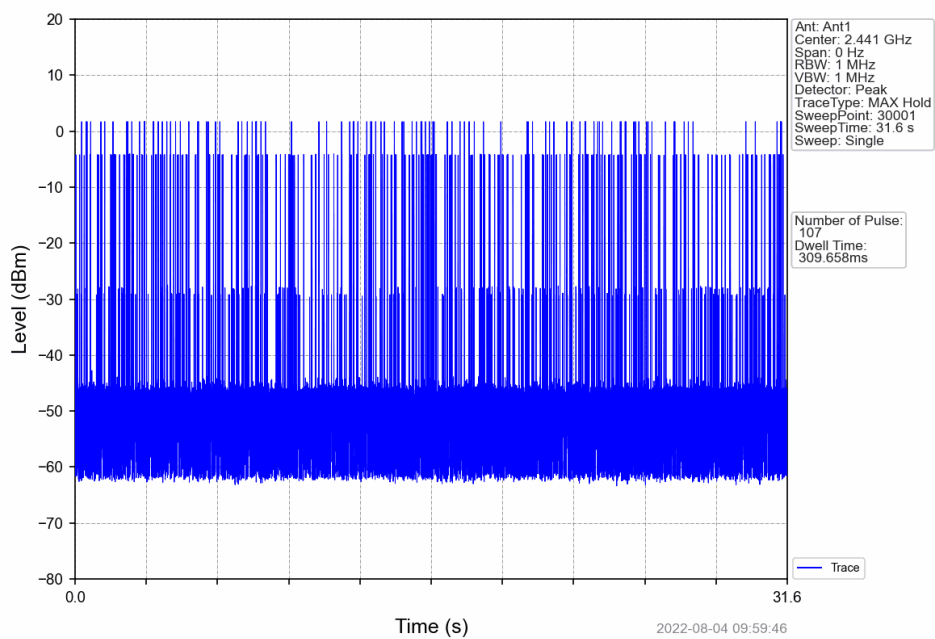
8DPSK_3DH3_HOPP_Ant1_NTN



8DPSK 3DH5 HOPP Ant1 NTN



8DPSK_3DH5_HOPP_Ant1_NTNV



6. Unwanted Emissions InStandard Non-restricted Frequency Bands

6.1 Ref

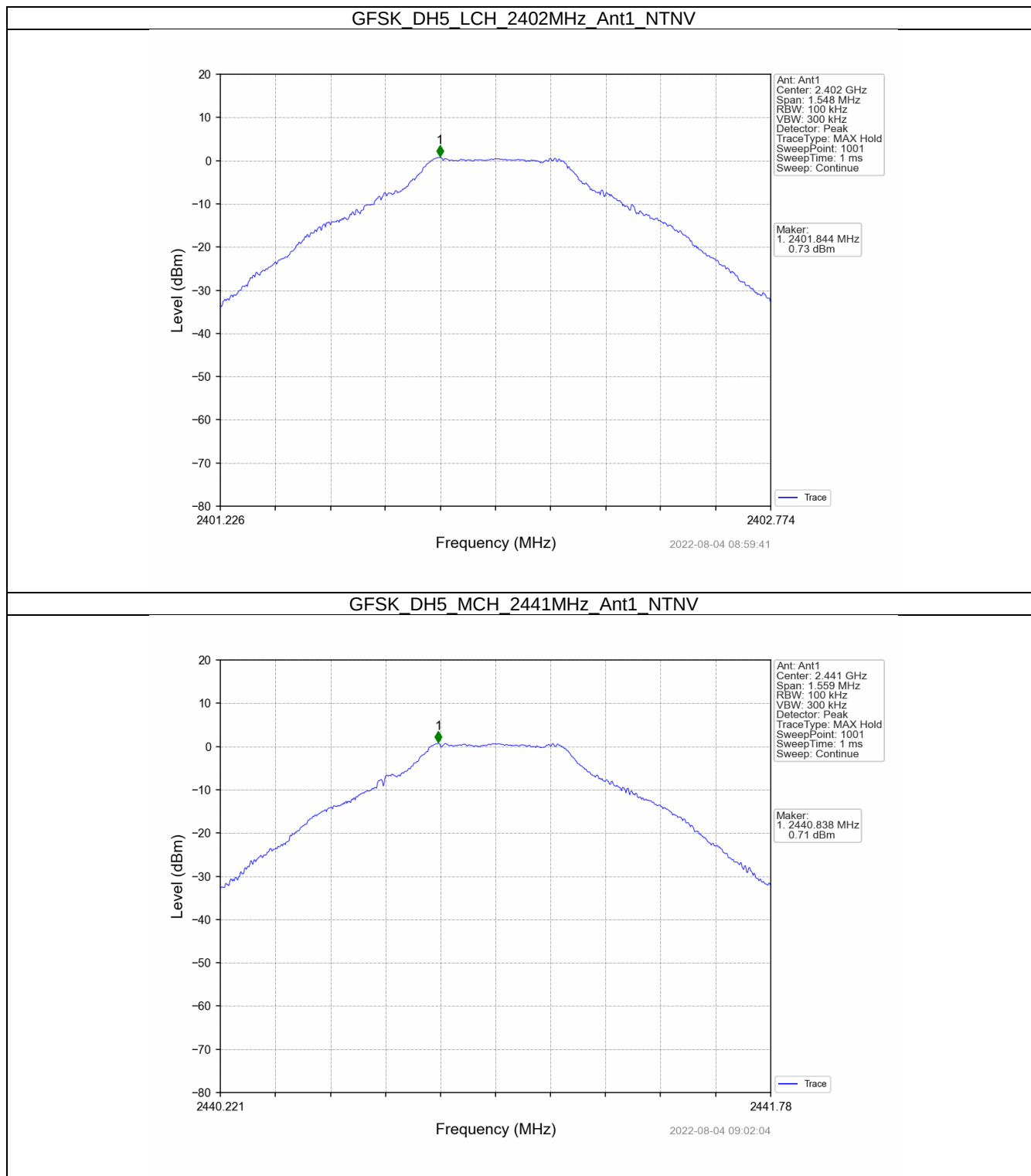
6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	0.73
		2441	DH5	1	0.71
		2480	DH5	1	0.52
Pi/4DQPSK	SISO	2402	2DH5	1	0.60
		2441	2DH5	1	0.79
		2480	2DH5	1	0.43
8DPSK	SISO	2402	3DH5	1	0.38
		2441	3DH5	1	0.60
		2480	3DH5	1	0.20

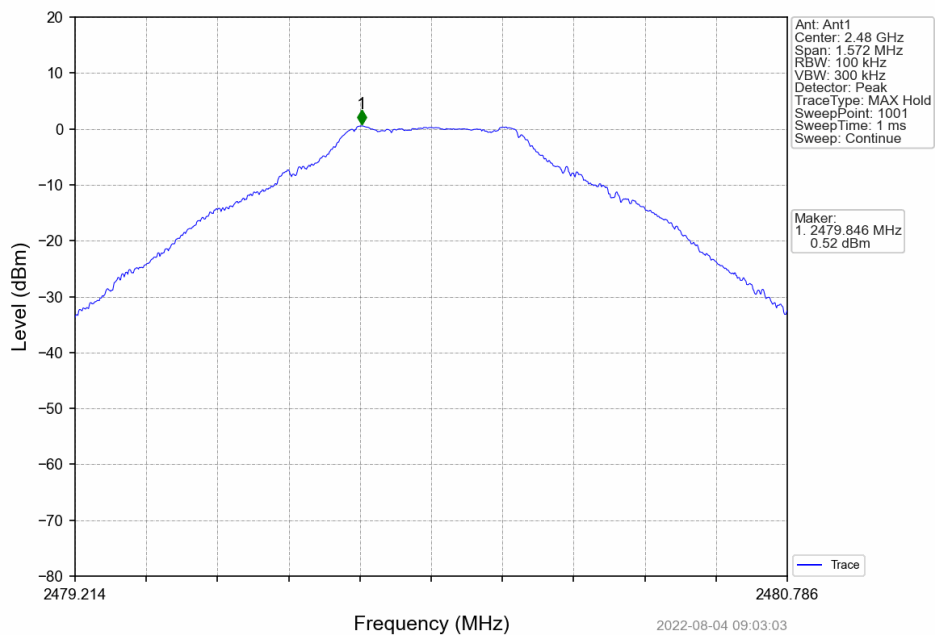
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

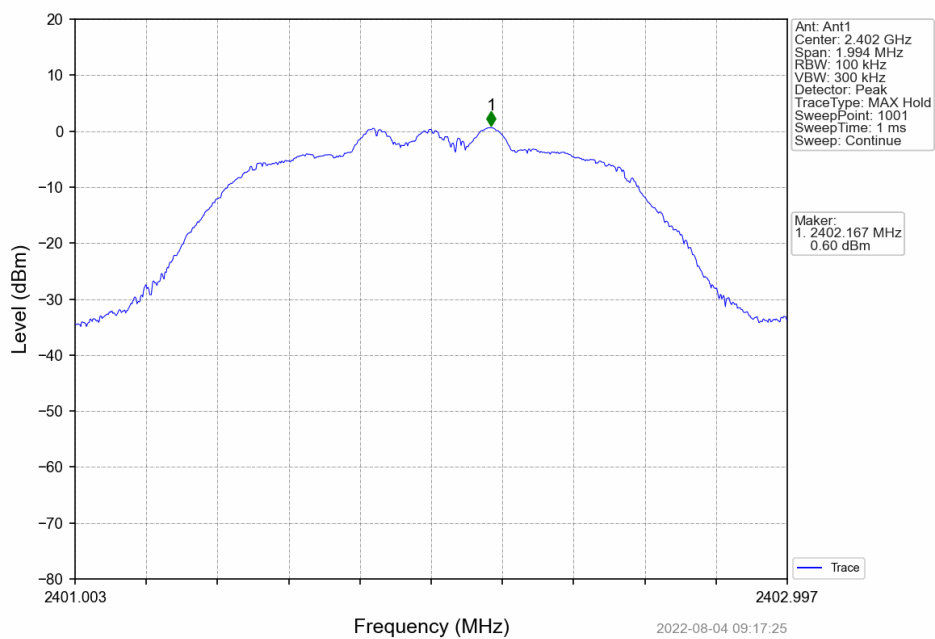
6.1.2 Test Graph



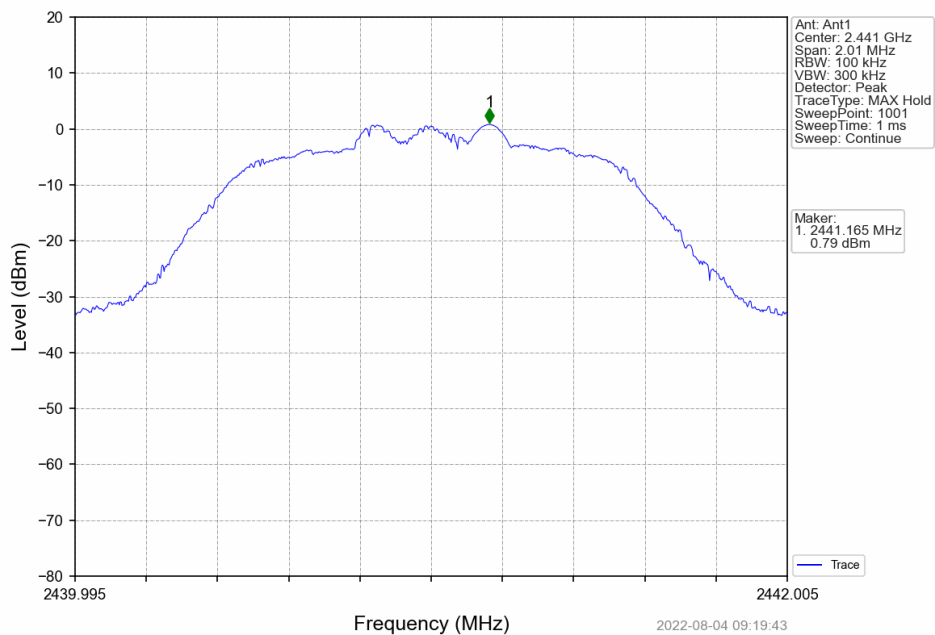
GFSK DH5 HCH 2480MHz Ant1 NTN



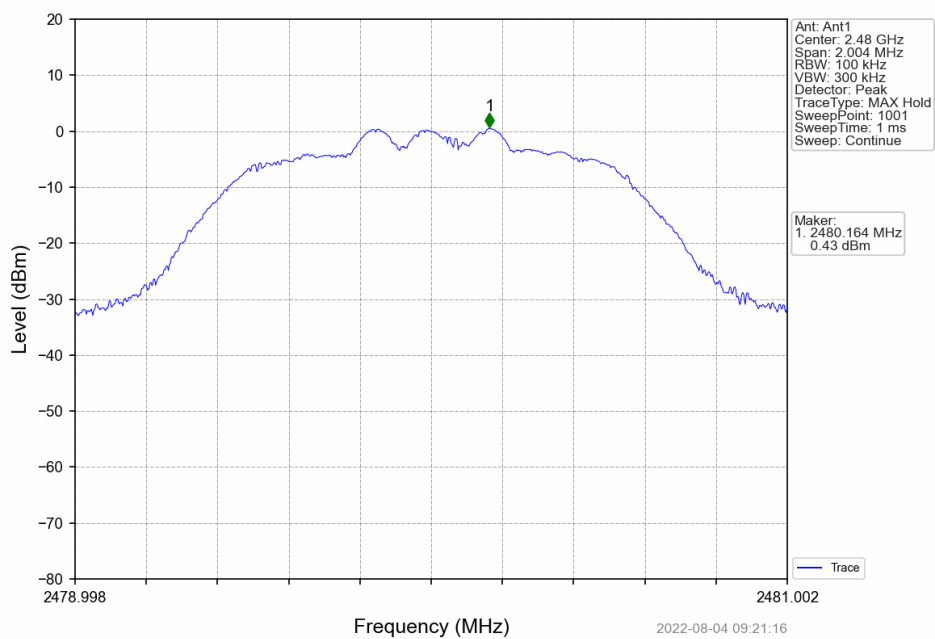
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1 NTN



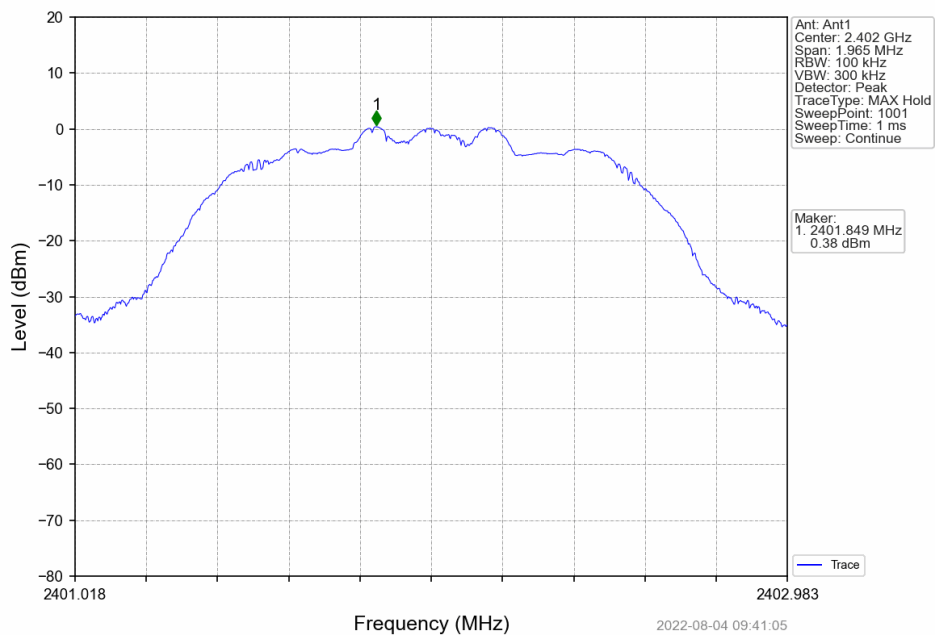
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTN



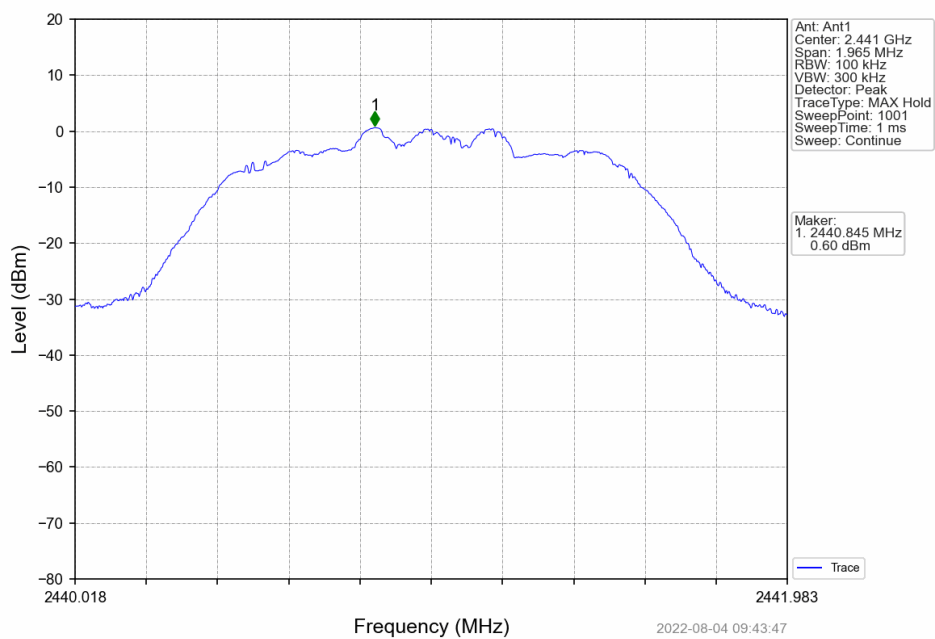
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTN

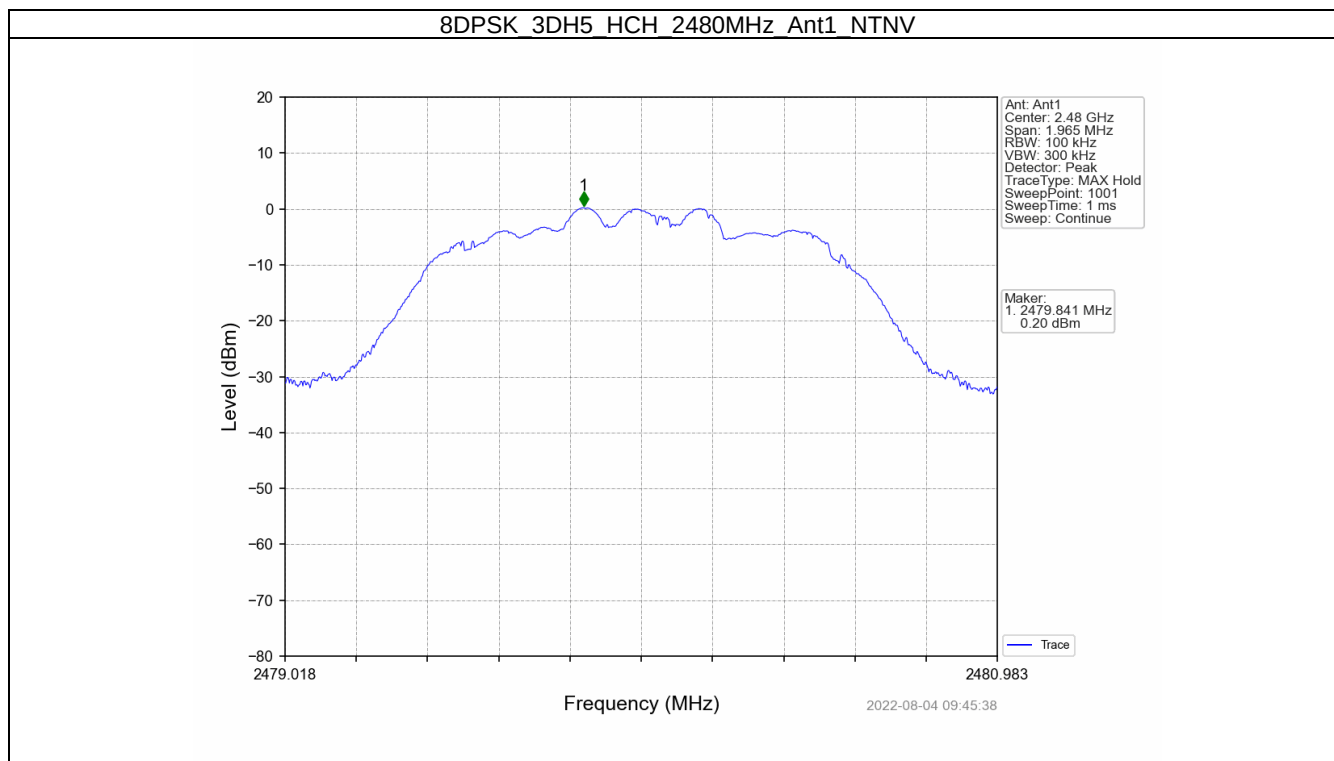


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





6.2 CSE

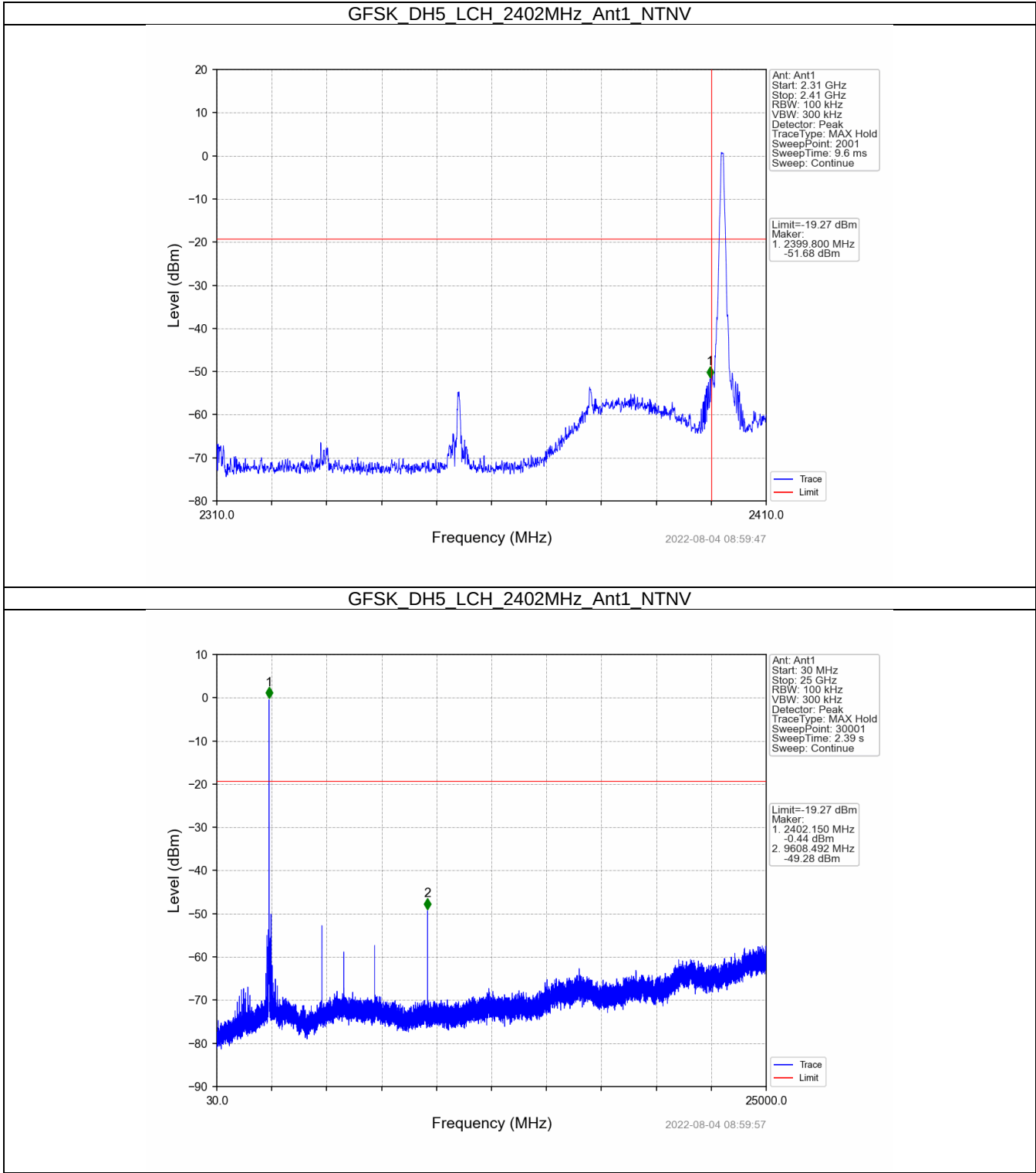
6.2.1 Test Result

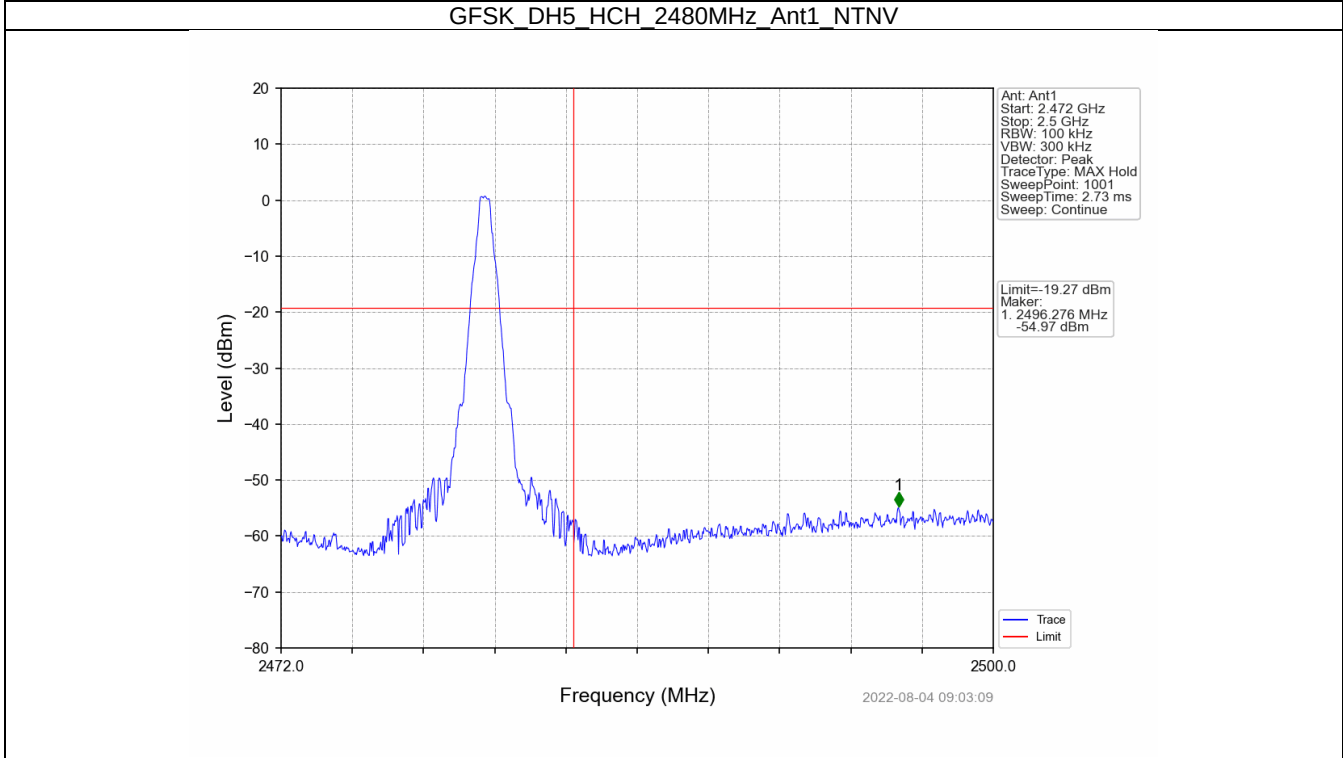
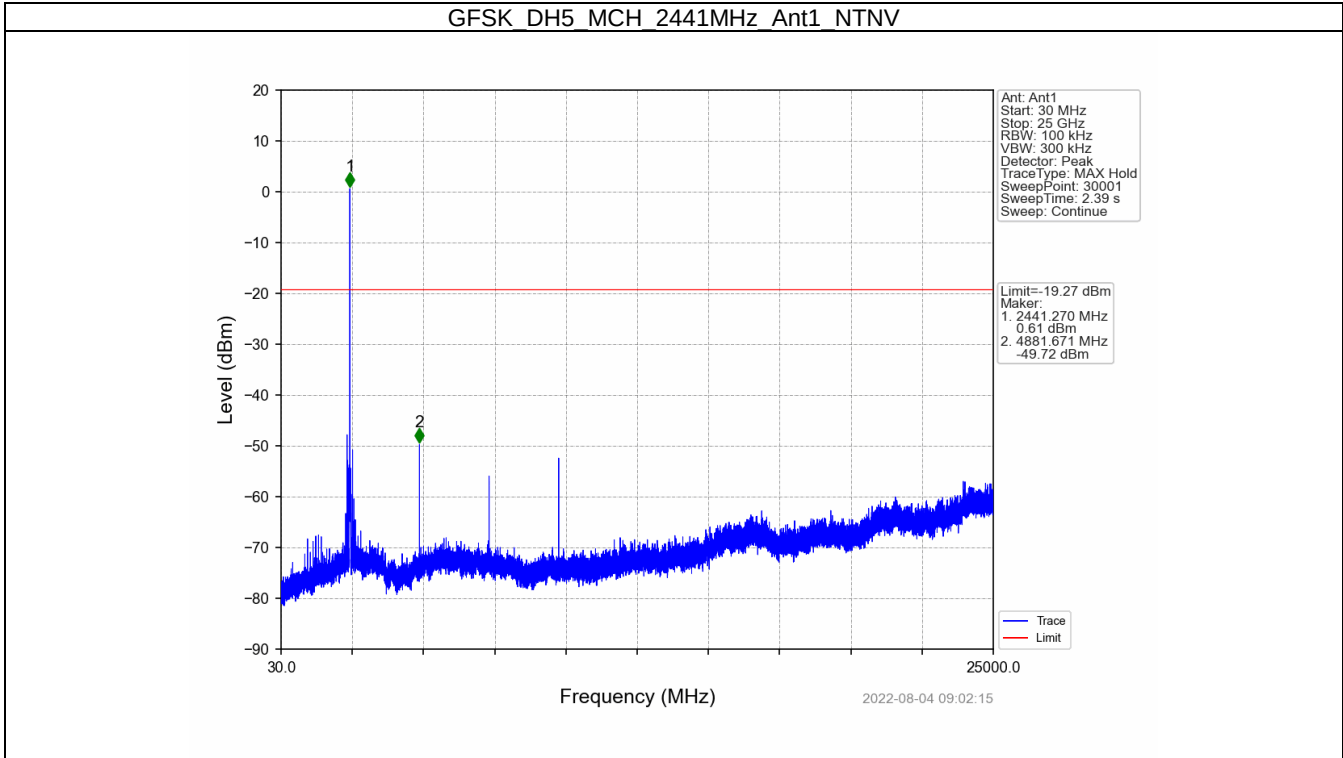
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	0.73	-19.27	Pass
		2441	DH5	1	0.73	-19.27	Pass
		2480	DH5	1	0.73	-19.27	Pass
		HOPP	DH5	1	0.73	-19.27	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	0.79	-19.21	Pass
		2441	2DH5	1	0.79	-19.21	Pass
		2480	2DH5	1	0.79	-19.21	Pass
		HOPP	2DH5	1	0.79	-19.21	Pass
8DPSK	SISO	2402	3DH5	1	0.60	-19.40	Pass
		2441	3DH5	1	0.60	-19.40	Pass
		2480	3DH5	1	0.60	-19.40	Pass
		HOPP	3DH5	1	0.60	-19.40	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.

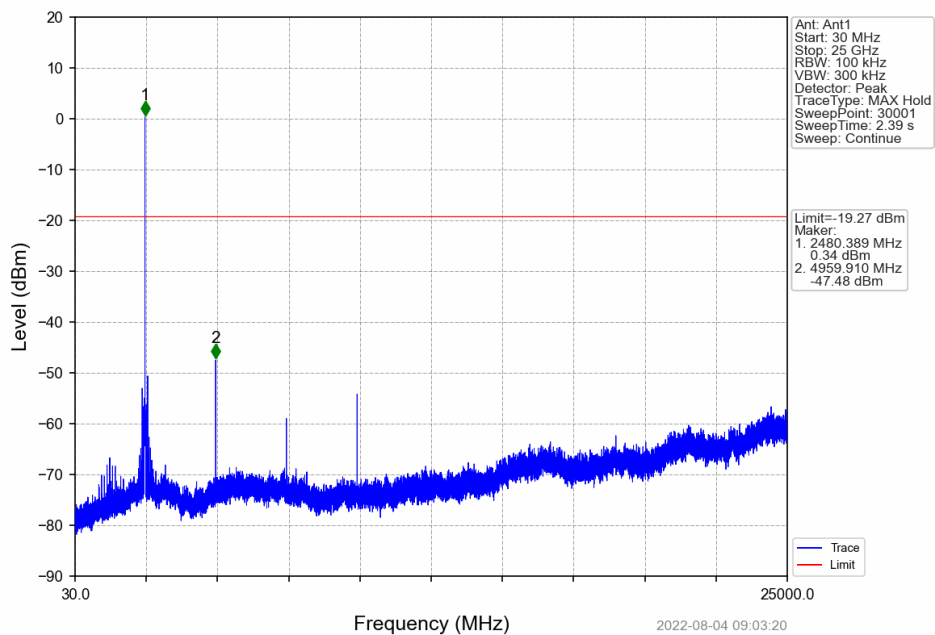
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

6.2.2 Test Graph

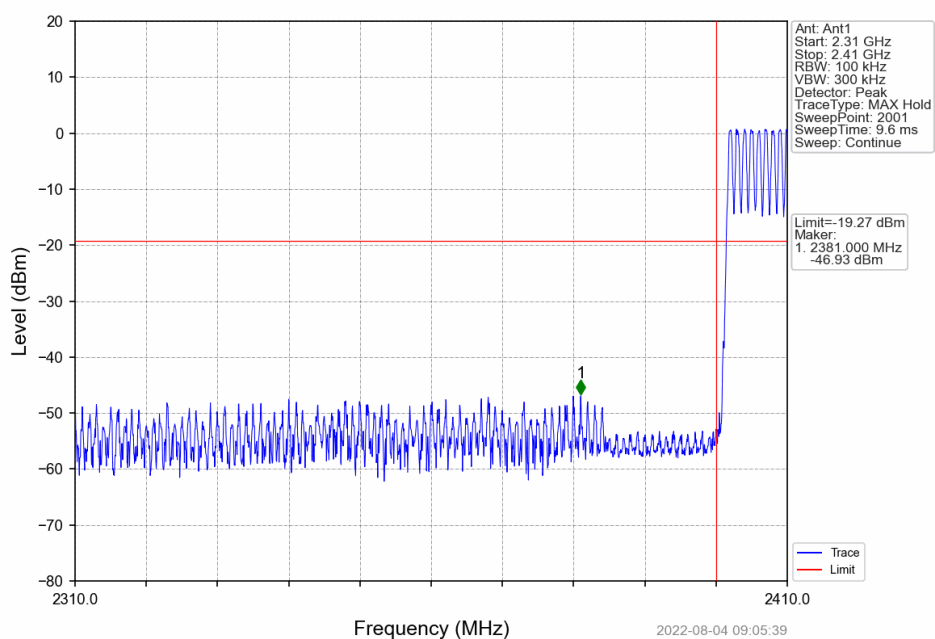




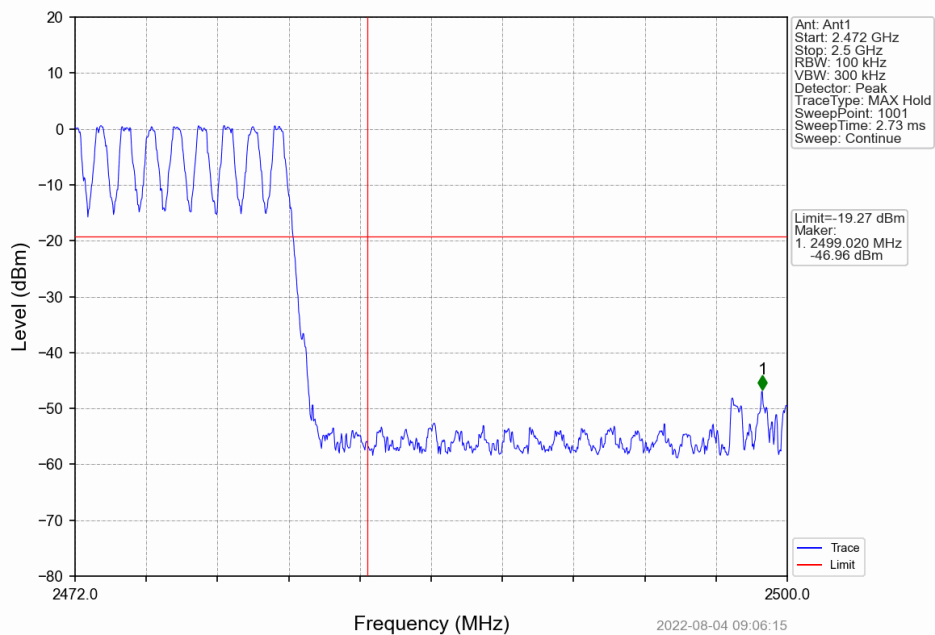
GFSK DH5 HCH 2480MHz Ant1 NTN



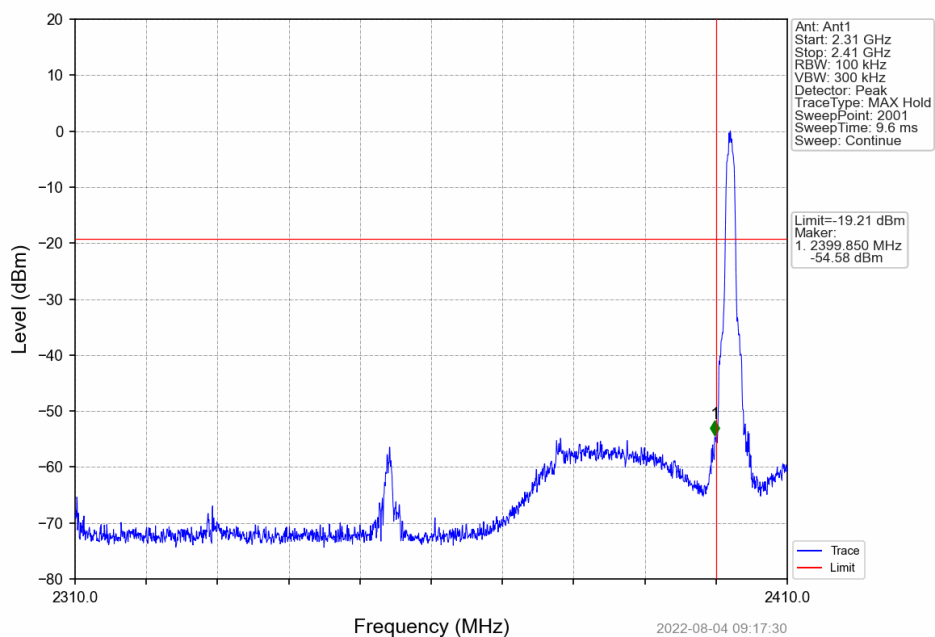
GFSK_DH5_HOPP_Ant1_NTNV



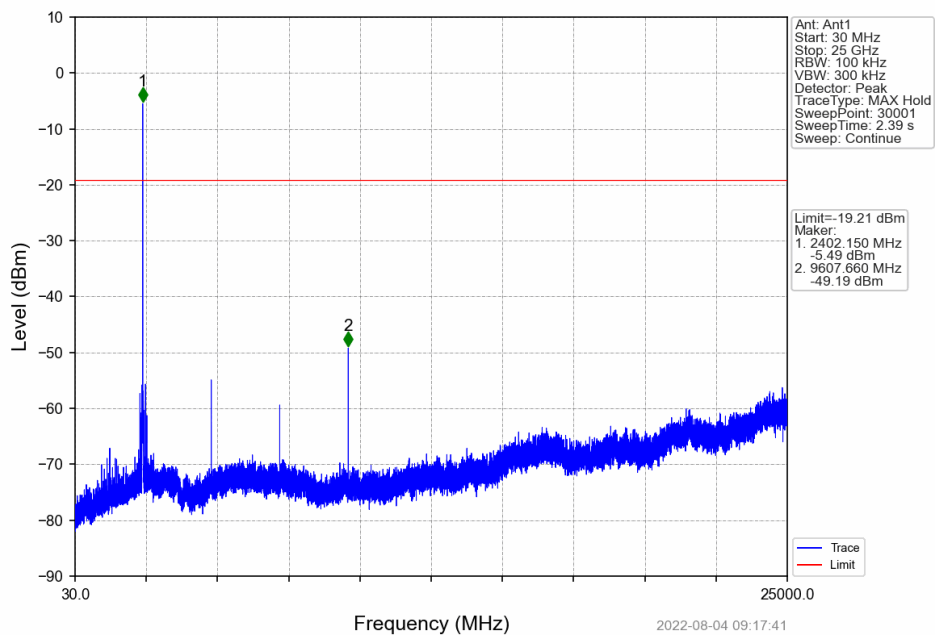
GFSK DH5 HOPP Ant1 NTN



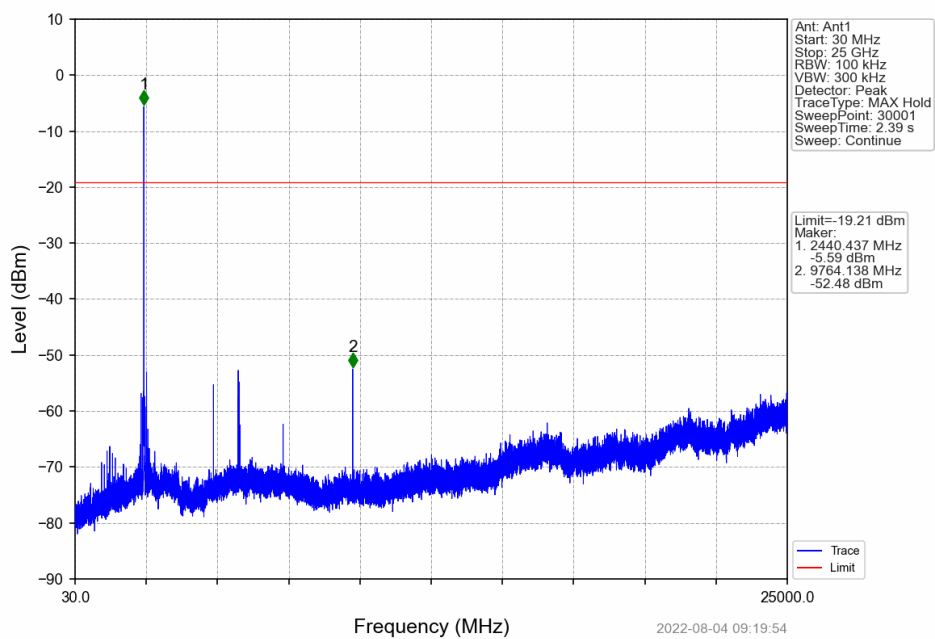
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

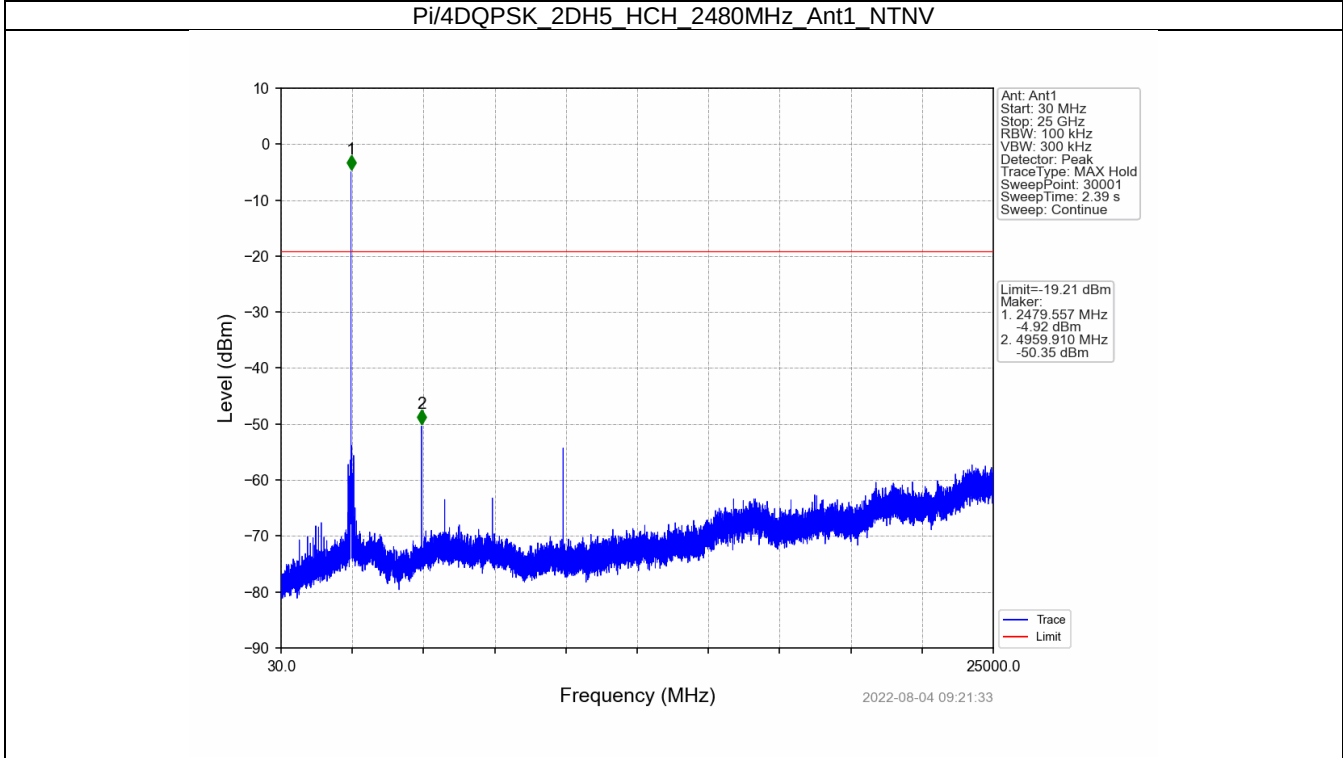
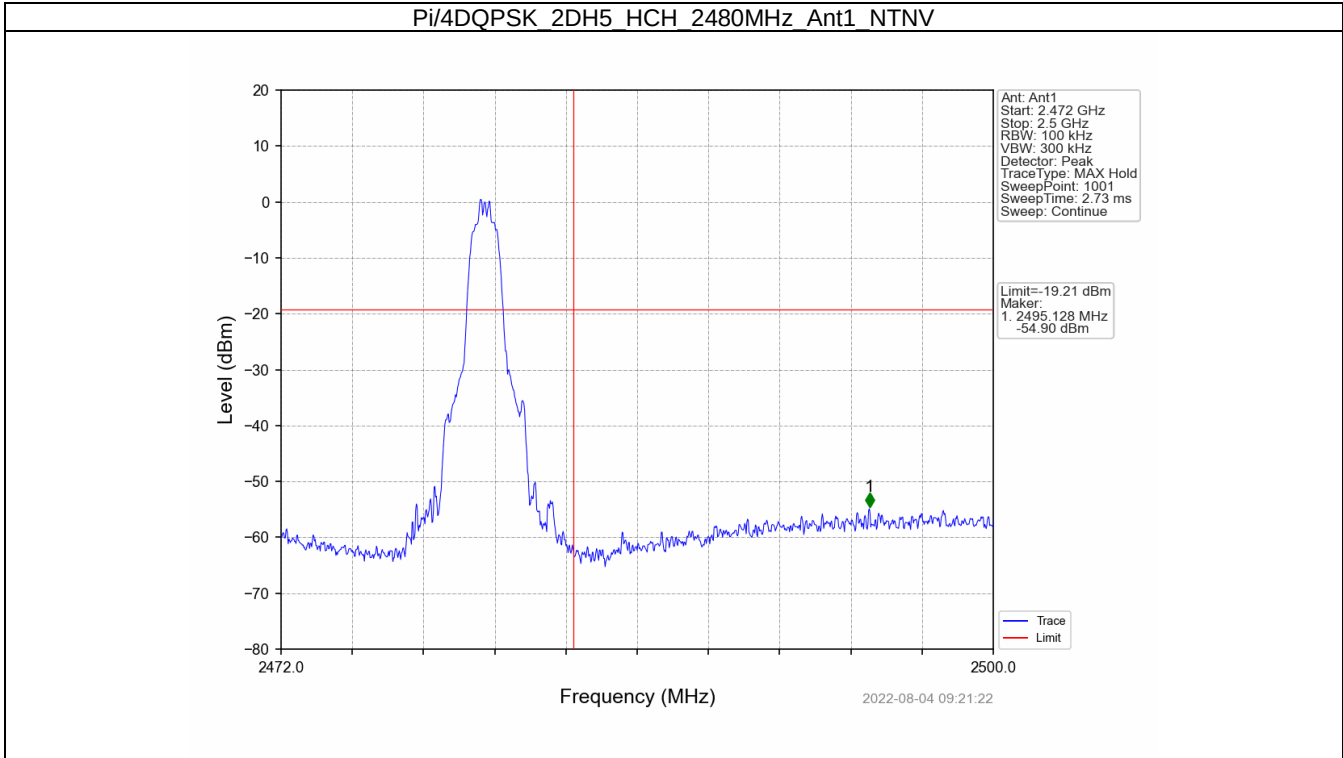


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

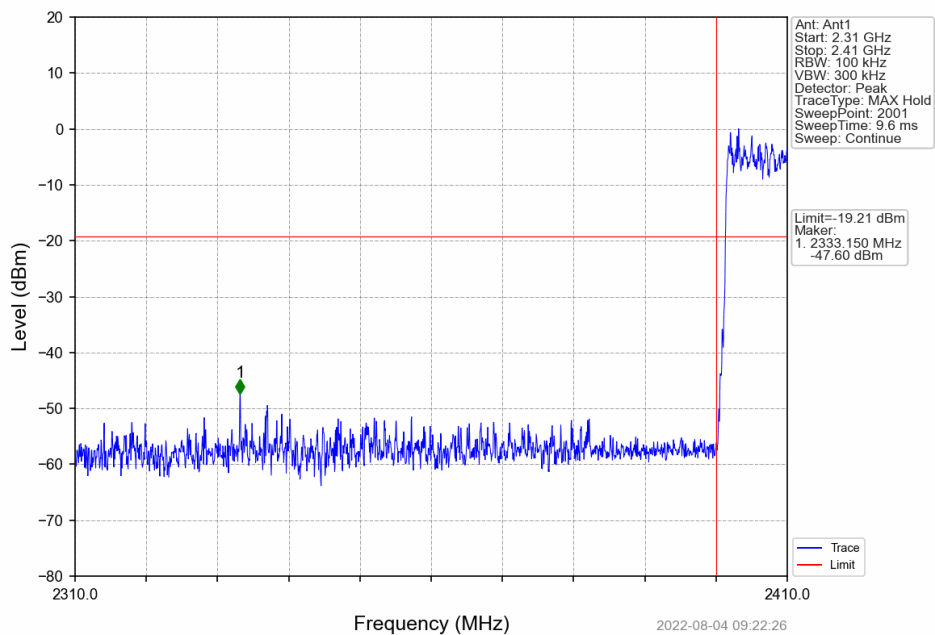


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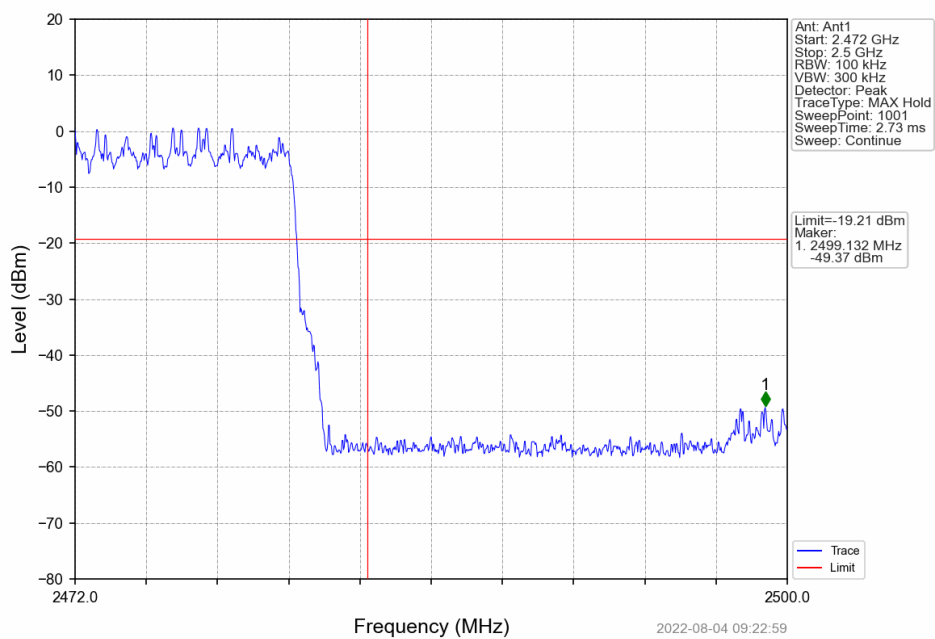




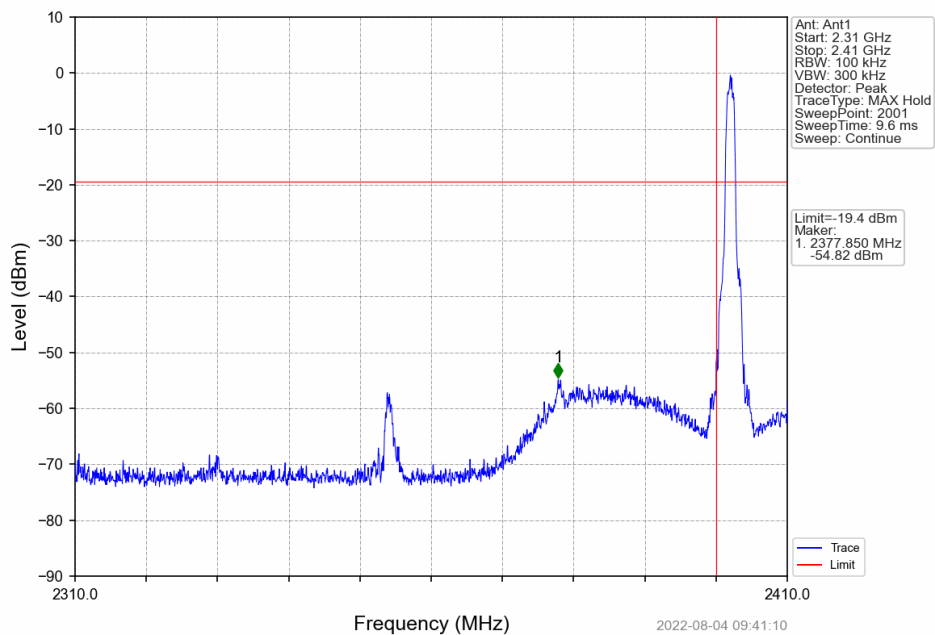
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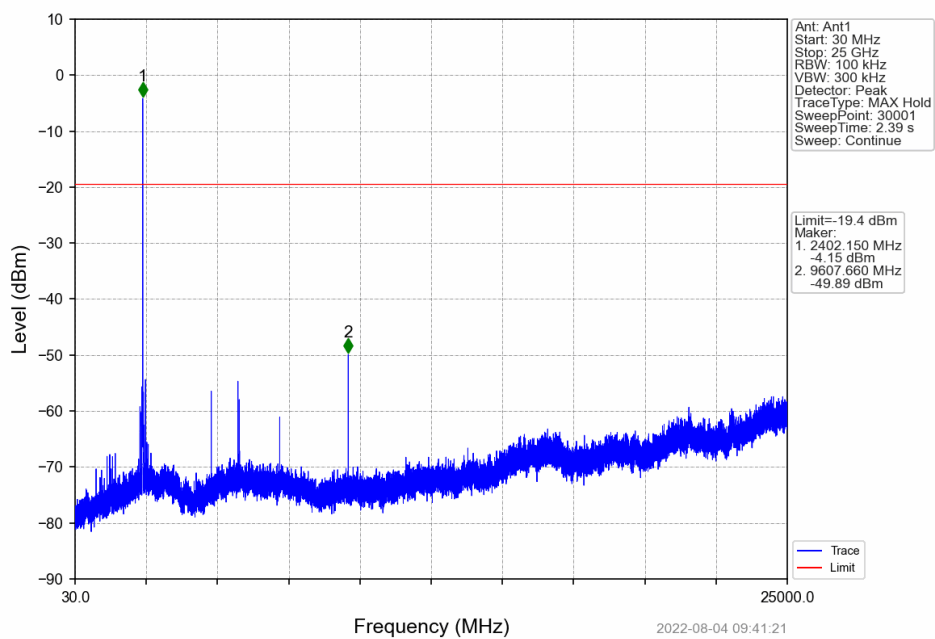
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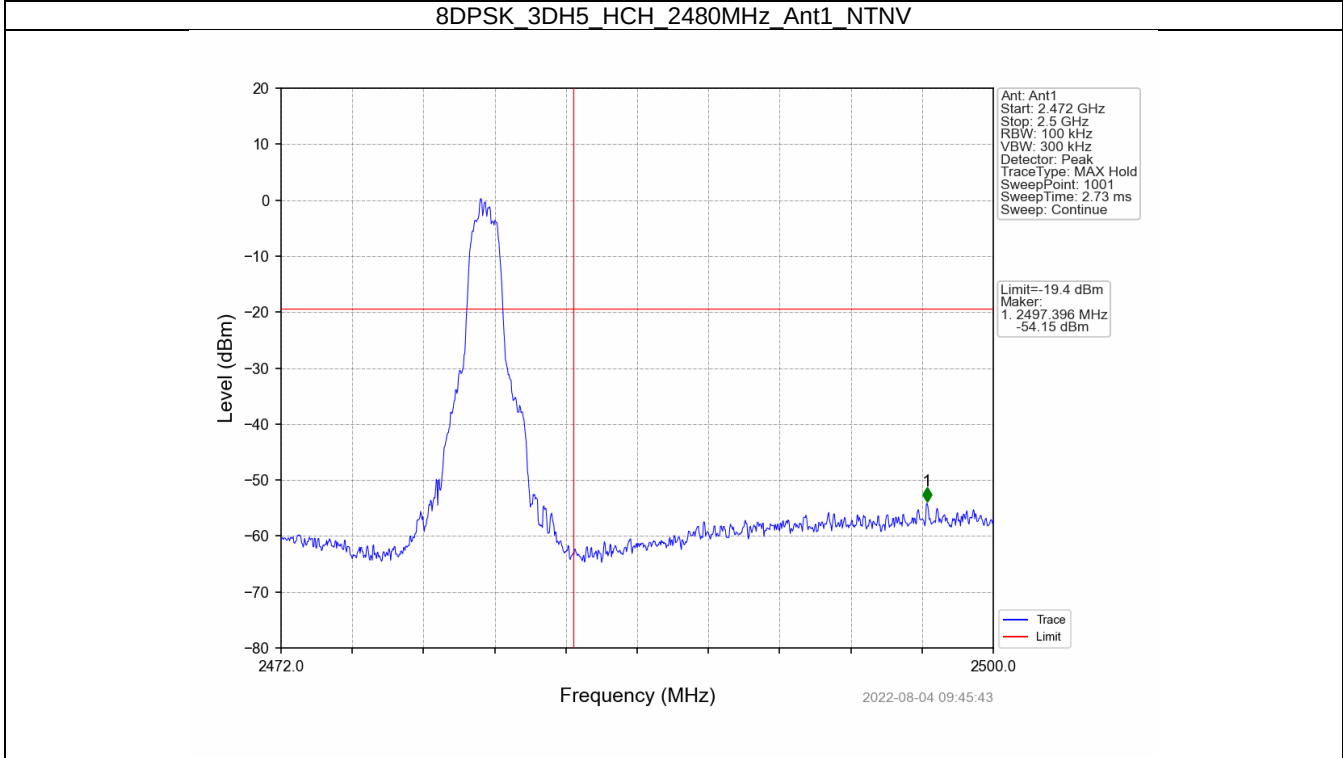
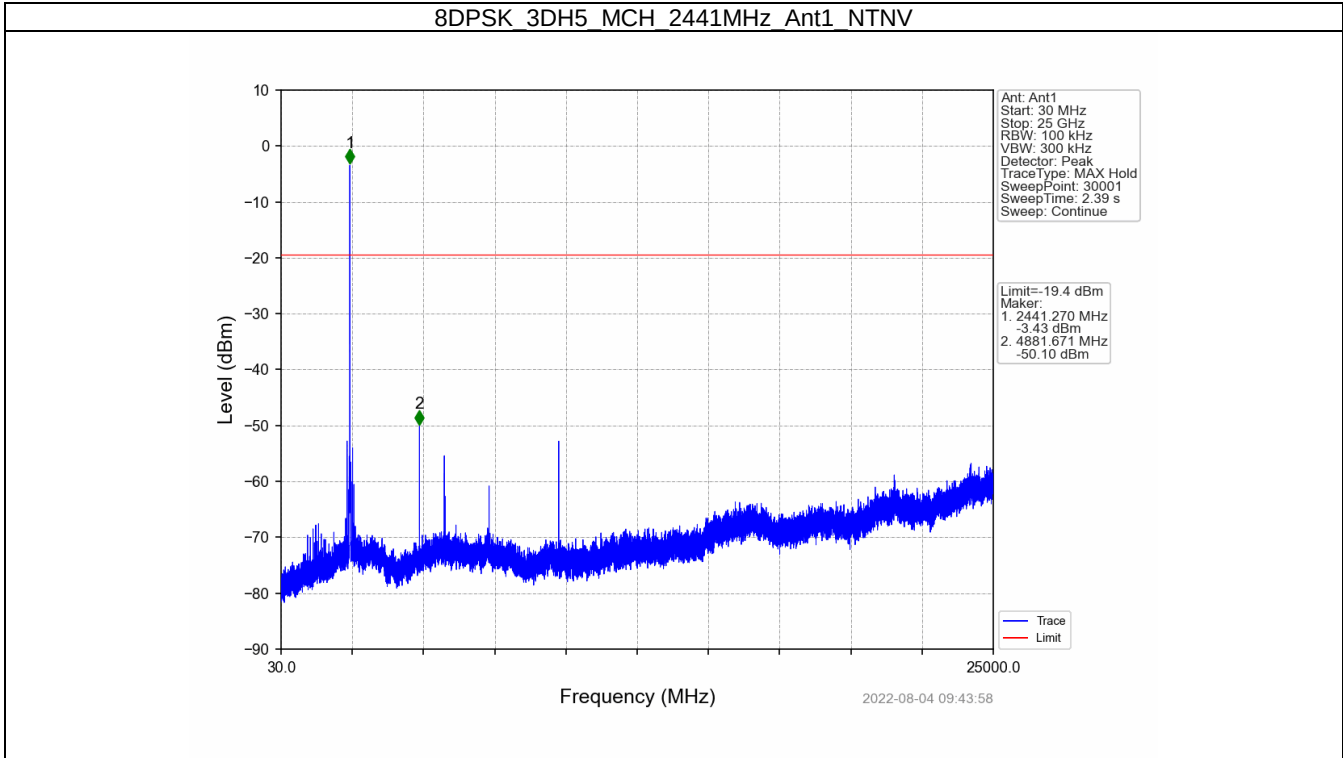


8DPSK 3DH5 LCH 2402MHz Ant1 NTN

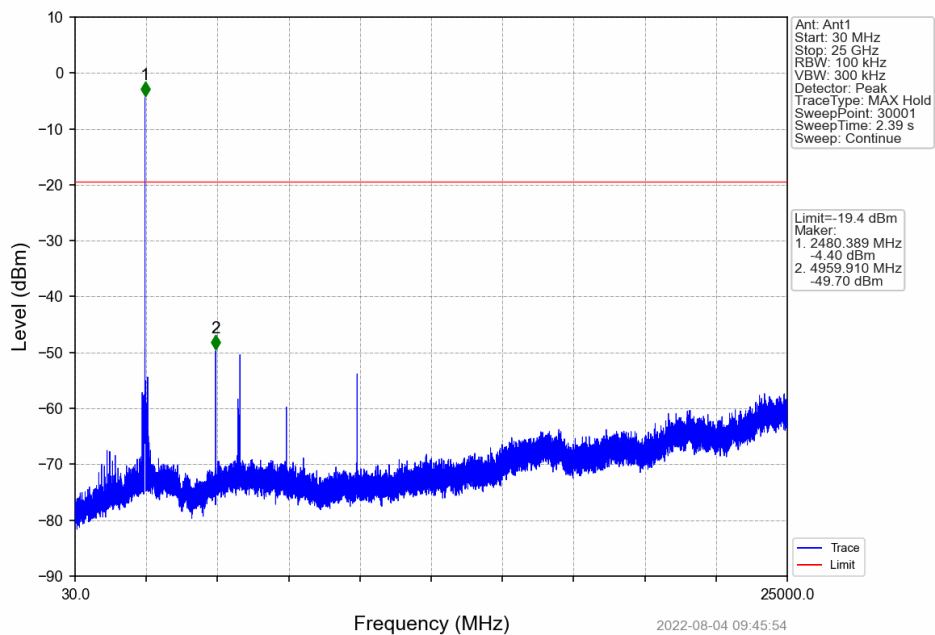


8DPSK 3DH5 LCH 2402MHz Ant1 NTN





8DPSK 3DH5 HCH 2480MHz Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN

