

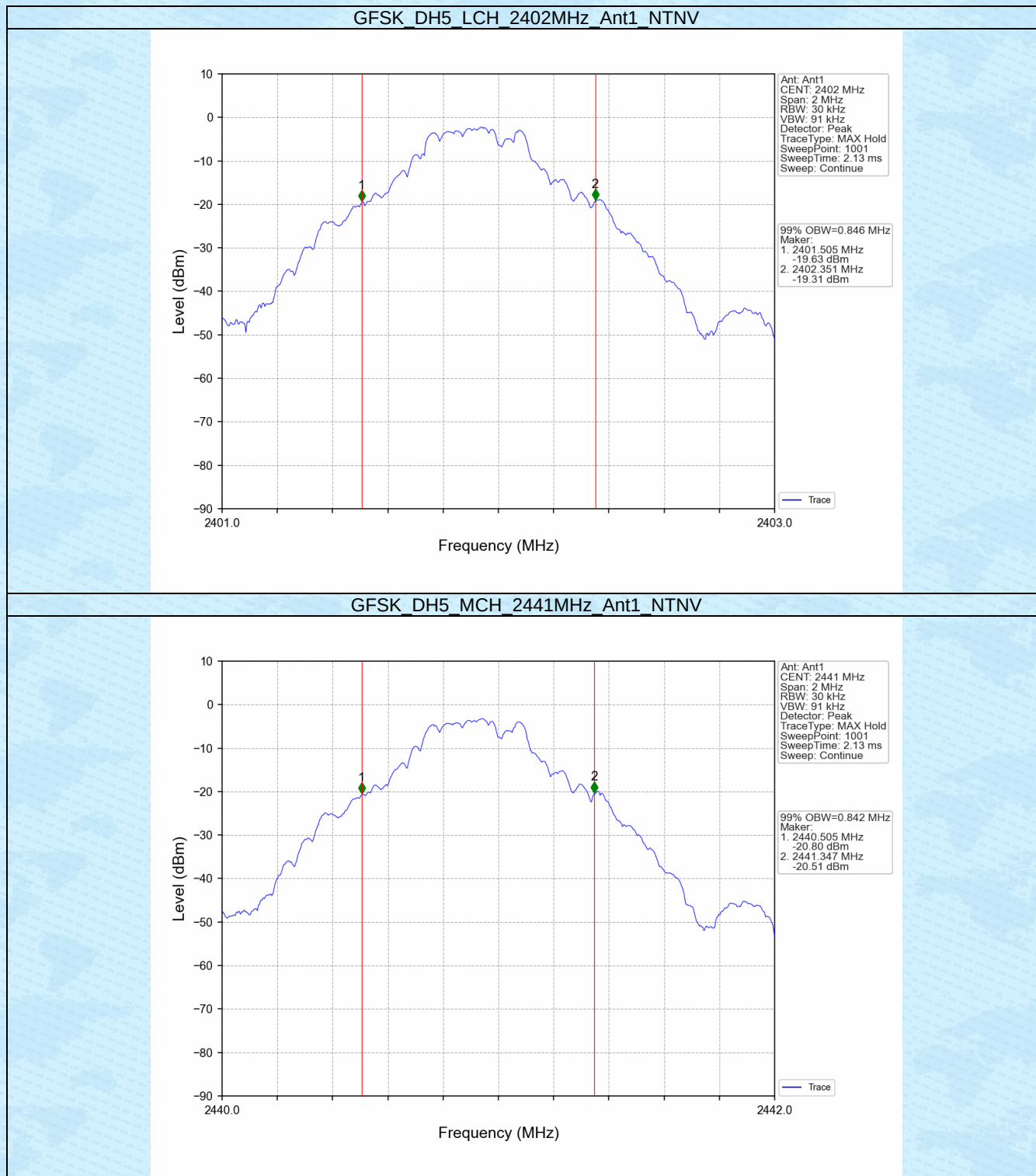
1. Bandwidth

1.1 OBW

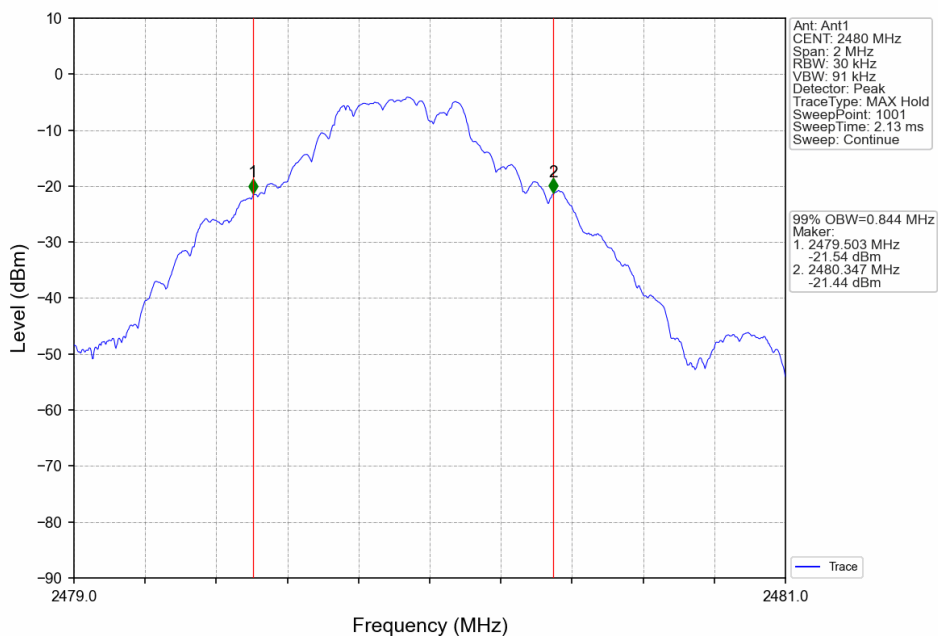
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.846	Pass
		2441	DH5	1	0.842	Pass
		2480	DH5	1	0.844	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	1.169	Pass
		2441	2DH5	1	1.171	Pass
		2480	2DH5	1	1.170	Pass
8-DPSK	SISO	2402	3DH5	1	1.174	Pass
		2441	3DH5	1	1.171	Pass
		2480	3DH5	1	1.170	Pass

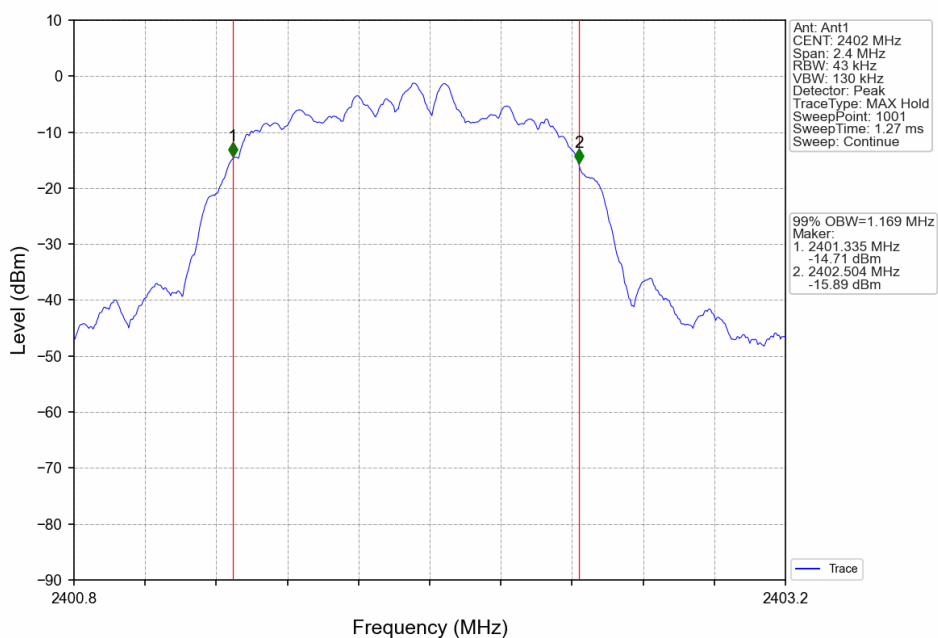
1.1.2 Test Graph



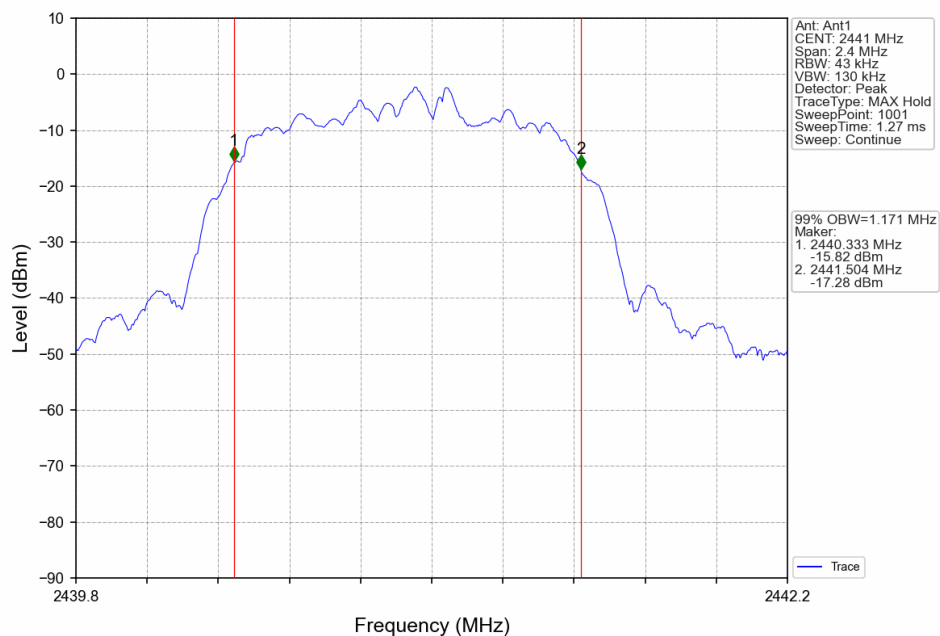
GFSK DH5_HCH_2480MHz_Ant1_NTNV



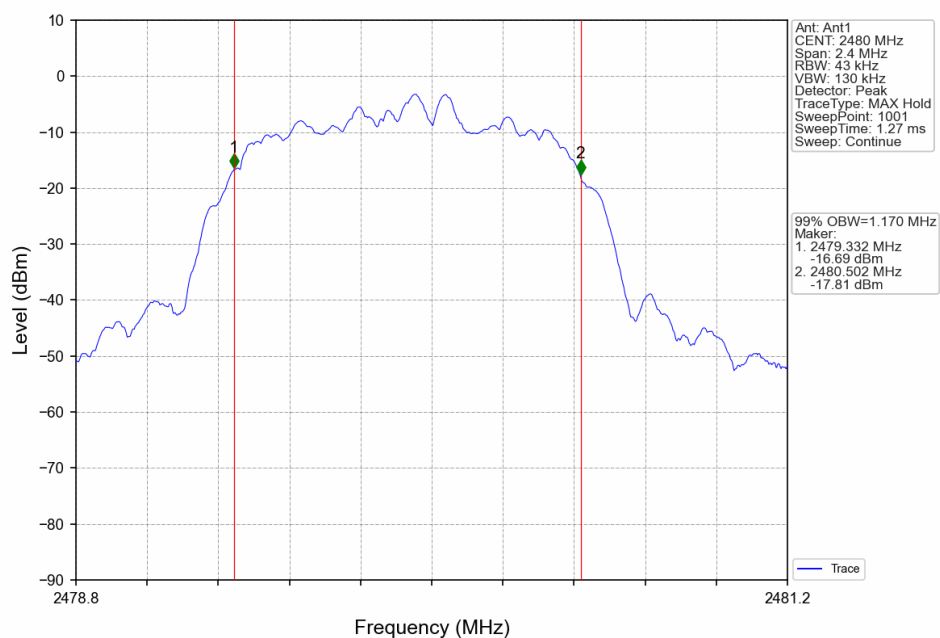
$\pi/4$ -DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



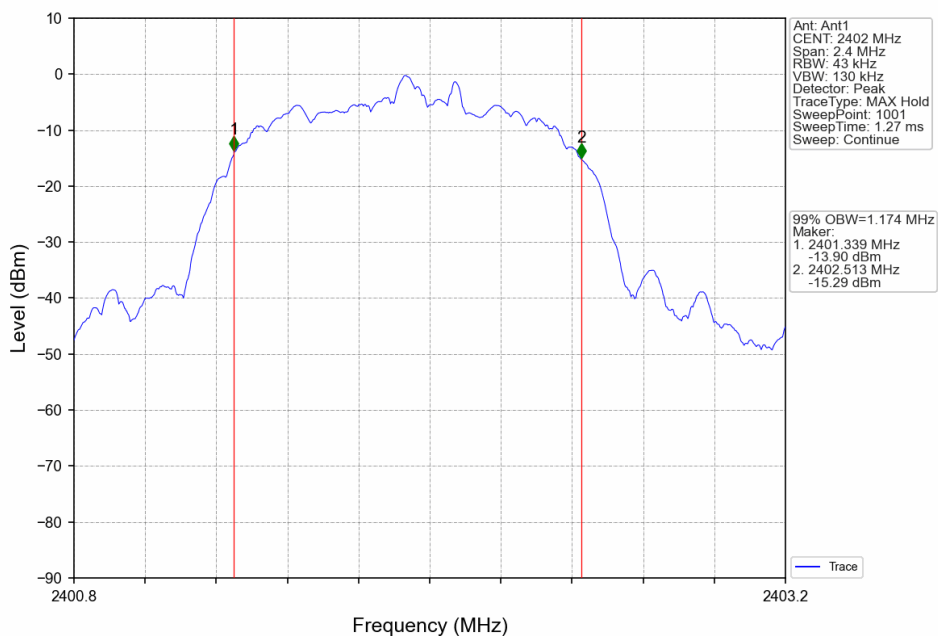
$\pi/4$ -DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



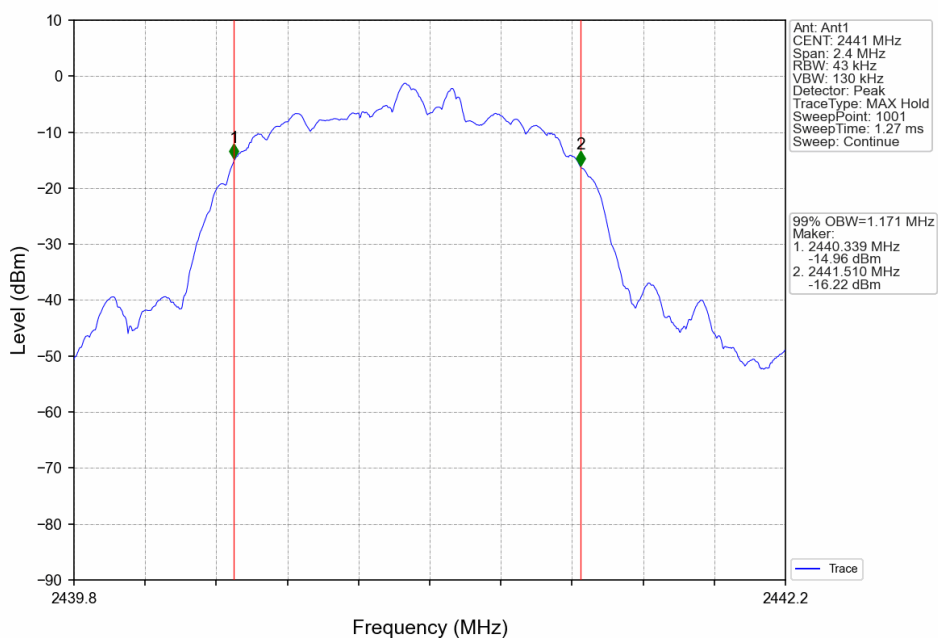
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

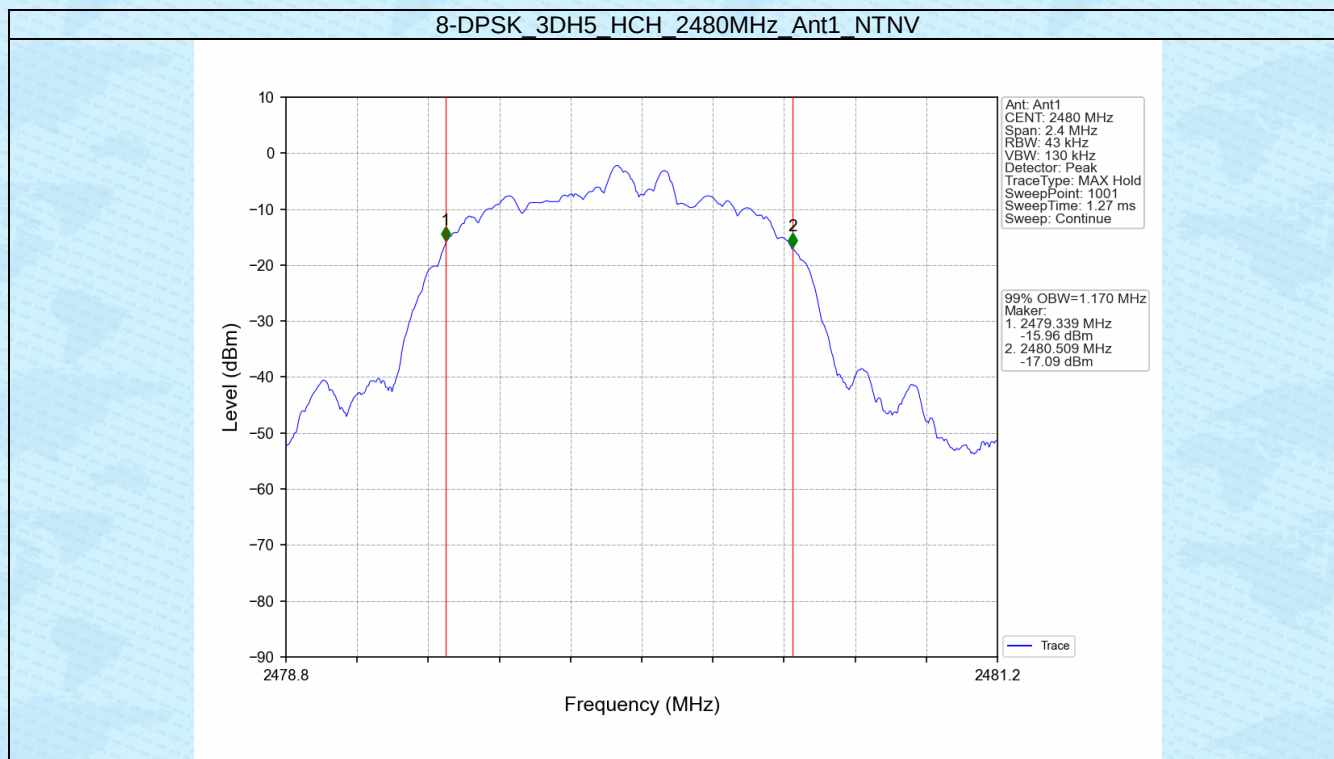


8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



8-DPSK 3DH5 MCH 2441MHz Ant1 NTN



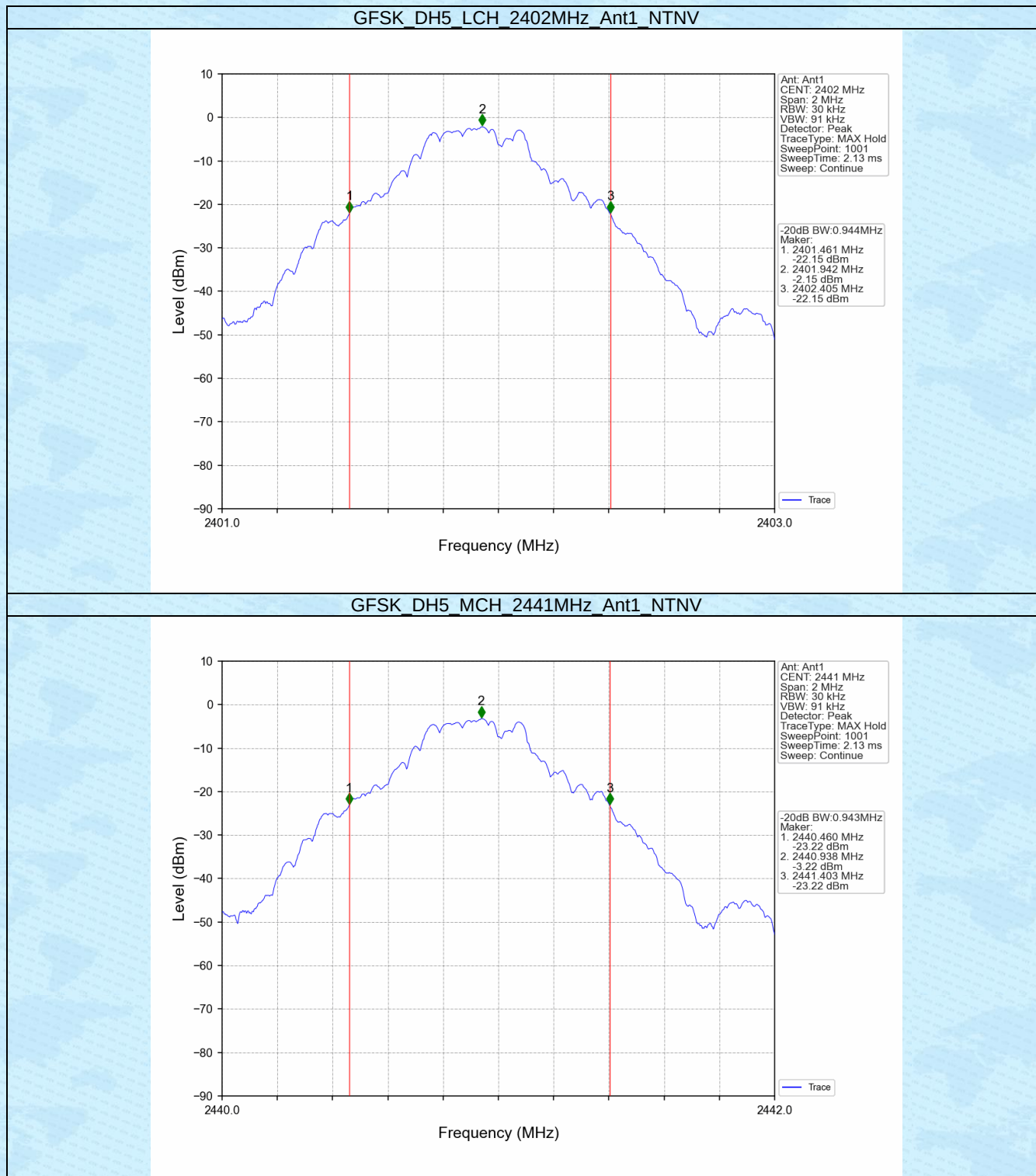


1.2 20dB BW

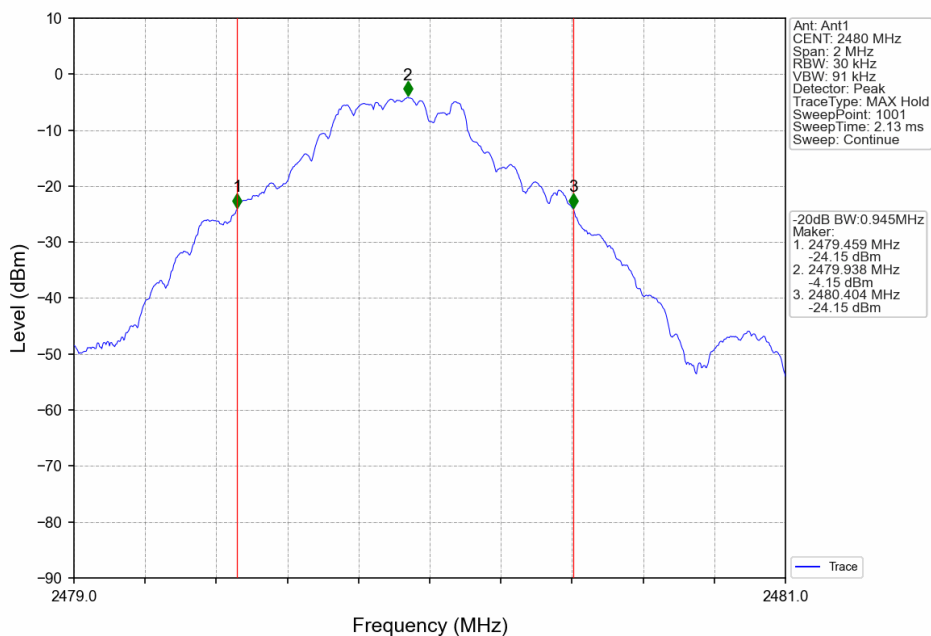
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.944	Pass
		2441	DH5	1	0.943	Pass
		2480	DH5	1	0.945	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	1.322	Pass
		2441	2DH5	1	1.326	Pass
		2480	2DH5	1	1.322	Pass
8-DPSK	SISO	2402	3DH5	1	1.305	Pass
		2441	3DH5	1	1.306	Pass
		2480	3DH5	1	1.303	Pass

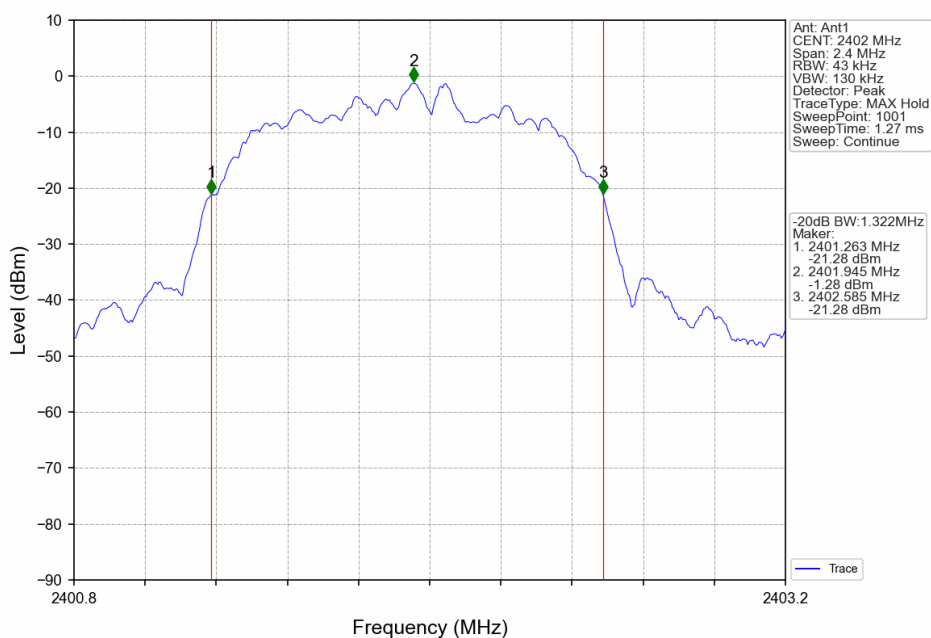
1.2.2 Test Graph



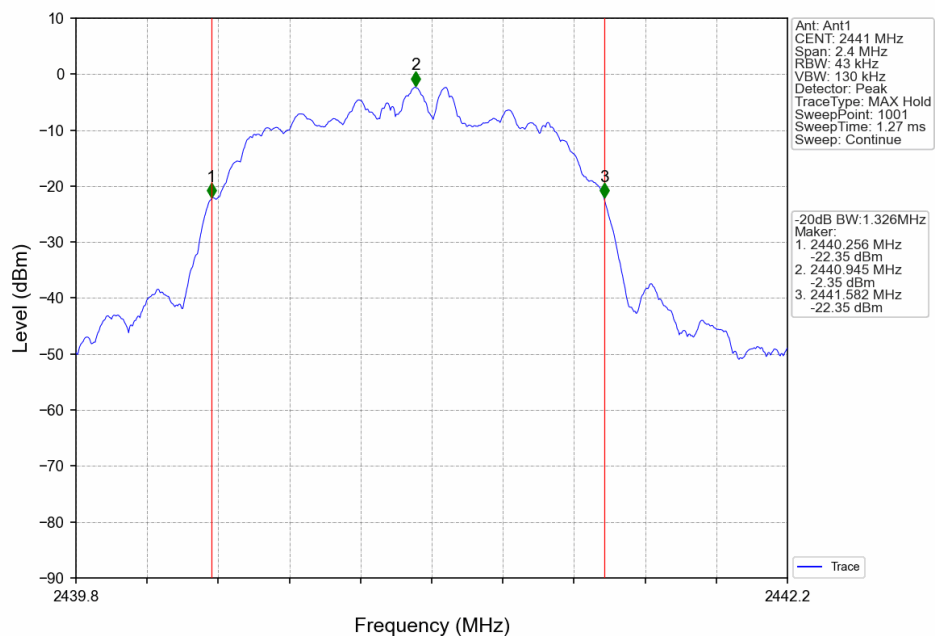
GFSK DH5_HCH_2480MHz_Ant1_NTNV



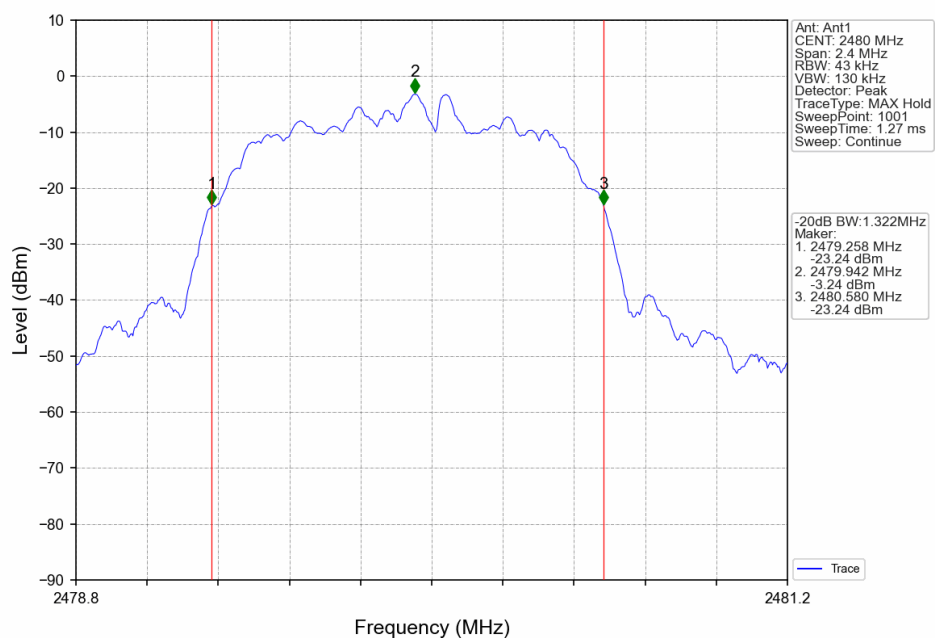
$\pi/4$ -DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



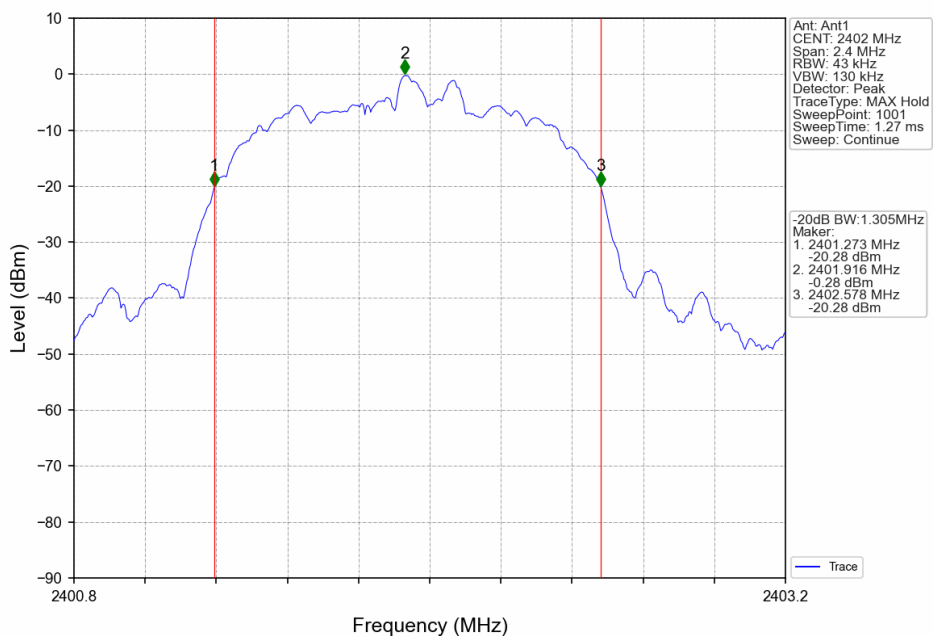
$\pi/4$ -DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



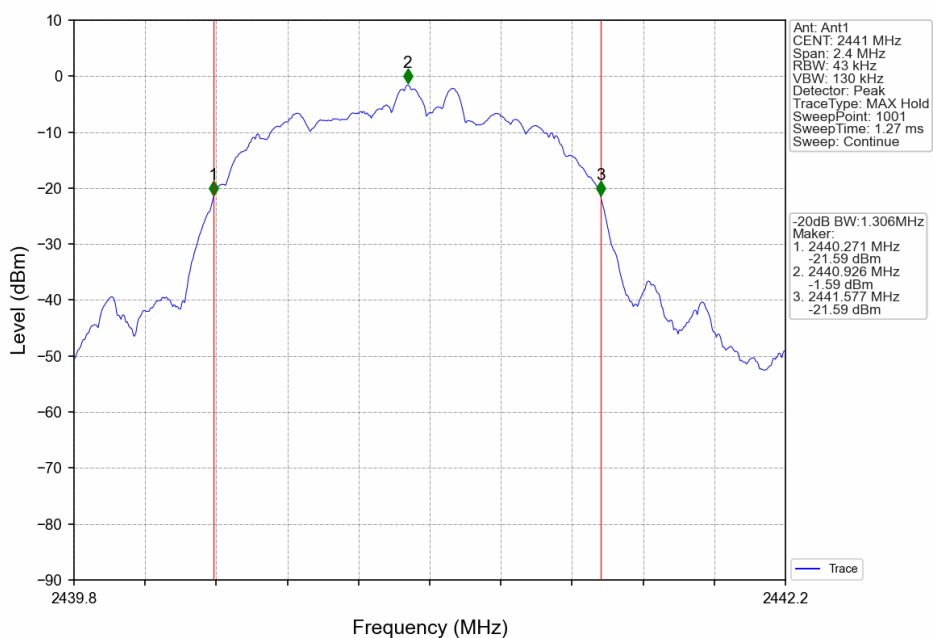
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

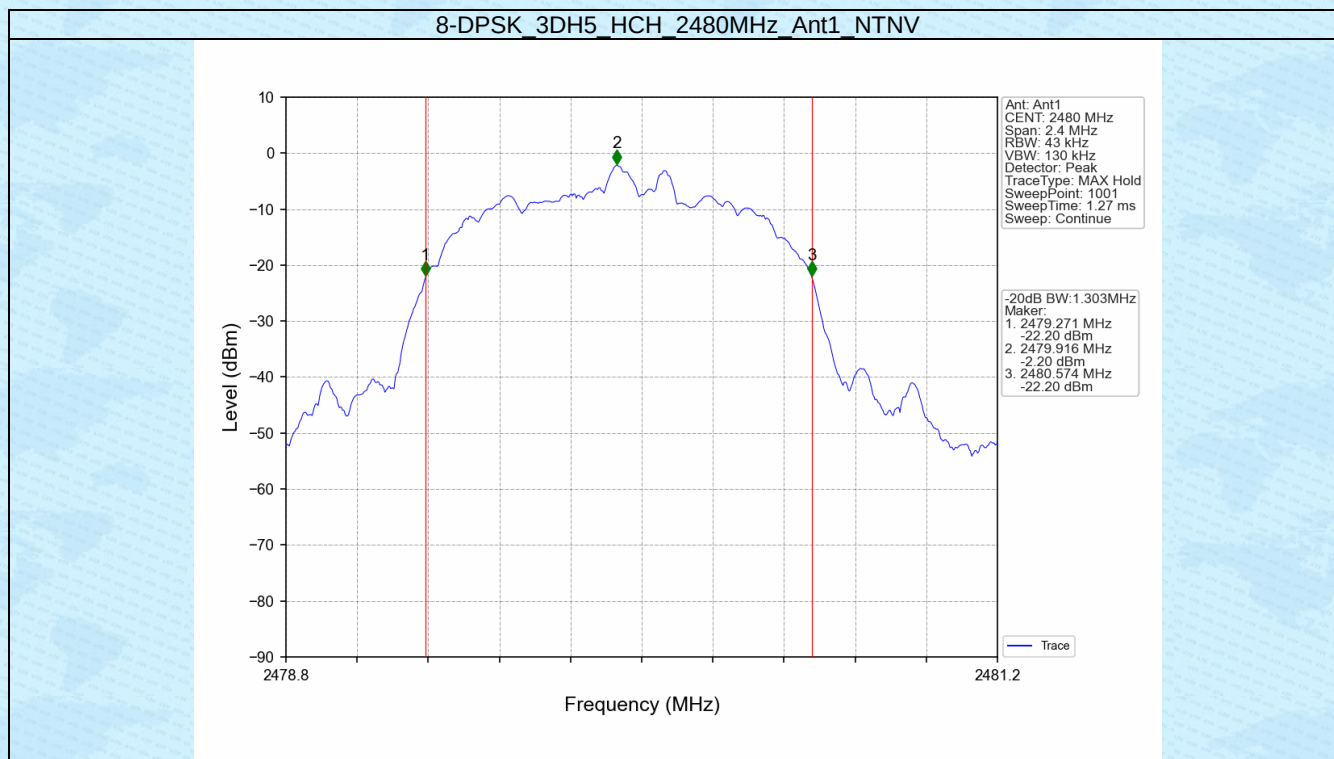


8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



8-DPSK 3DH5 MCH 2441MHz Ant1 NTN





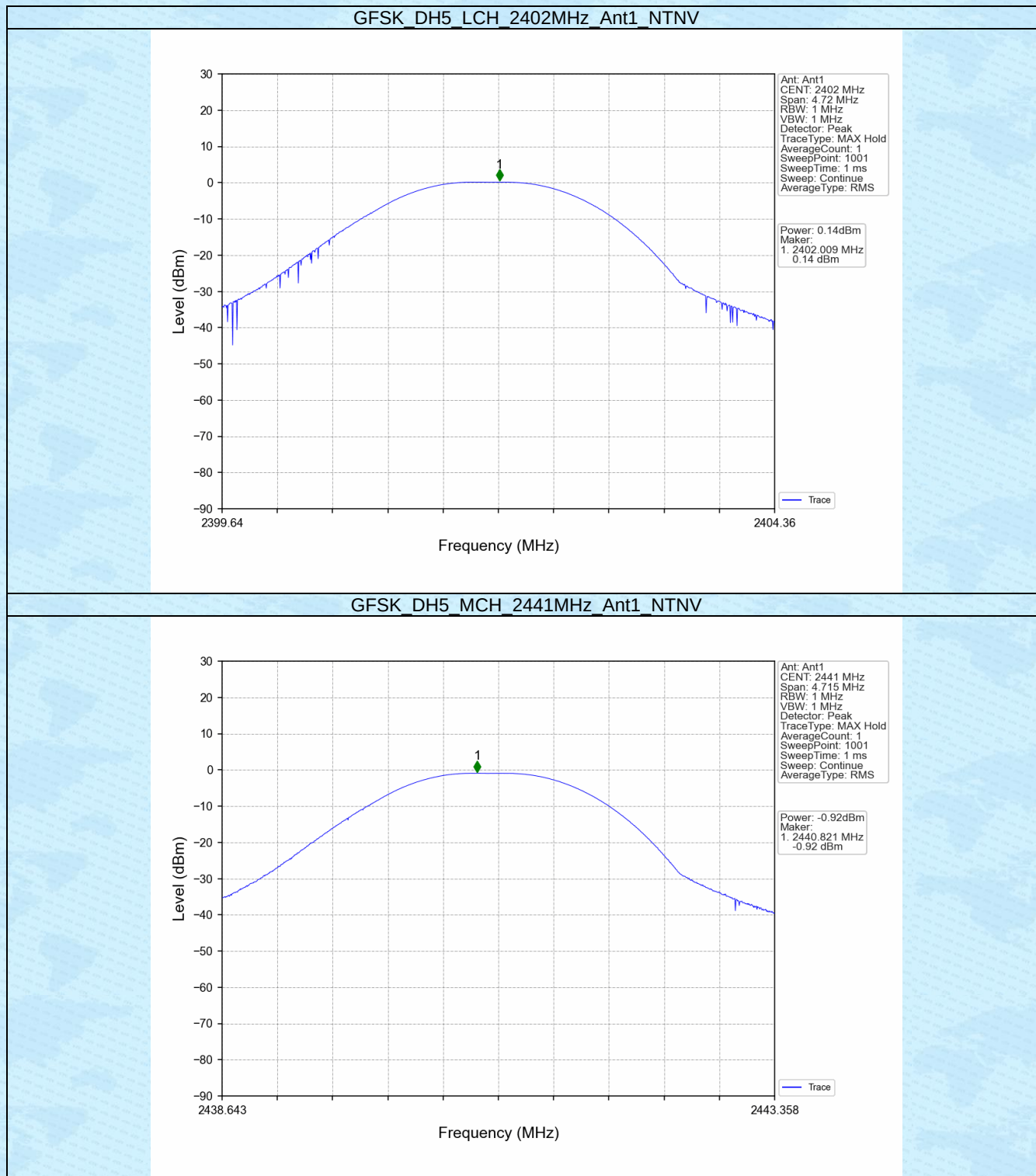
2. Maximum Conducted Output Power

2.1 Power

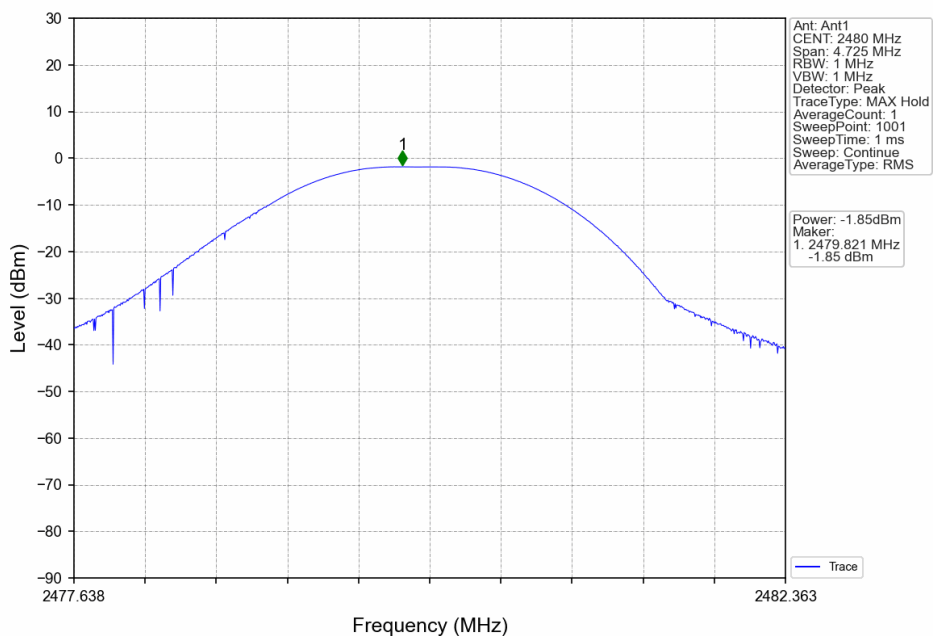
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	0.14	<=30	Pass
		2441	DH5	-0.92	<=30	Pass
		2480	DH5	-1.85	<=30	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	2.64	<=20.97	Pass
		2441	2DH5	1.49	<=20.97	Pass
		2480	2DH5	0.50	<=20.97	Pass
8-DPSK	SISO	2402	3DH5	3.07	<=20.97	Pass
		2441	3DH5	1.92	<=20.97	Pass
		2480	3DH5	0.91	<=20.97	Pass

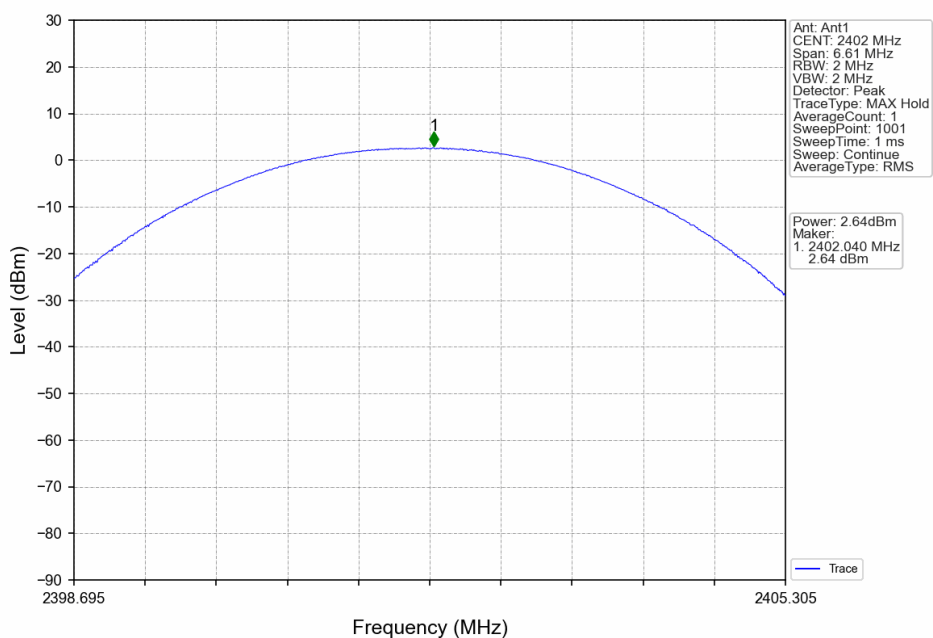
2.1.2 Test Graph



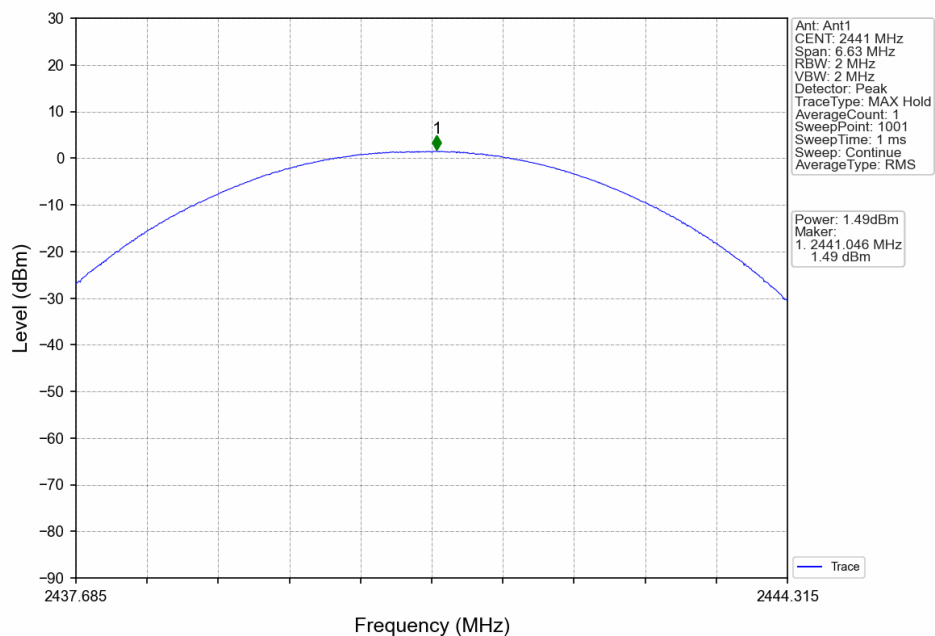
GFSK DH5_HCH_2480MHz_Ant1_NTNV



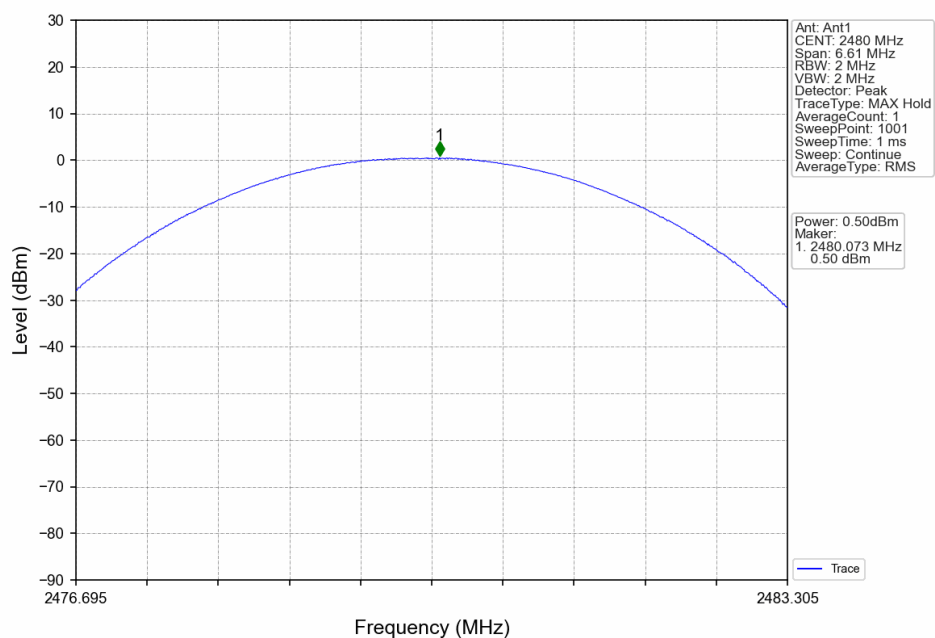
$\pi/4$ -DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



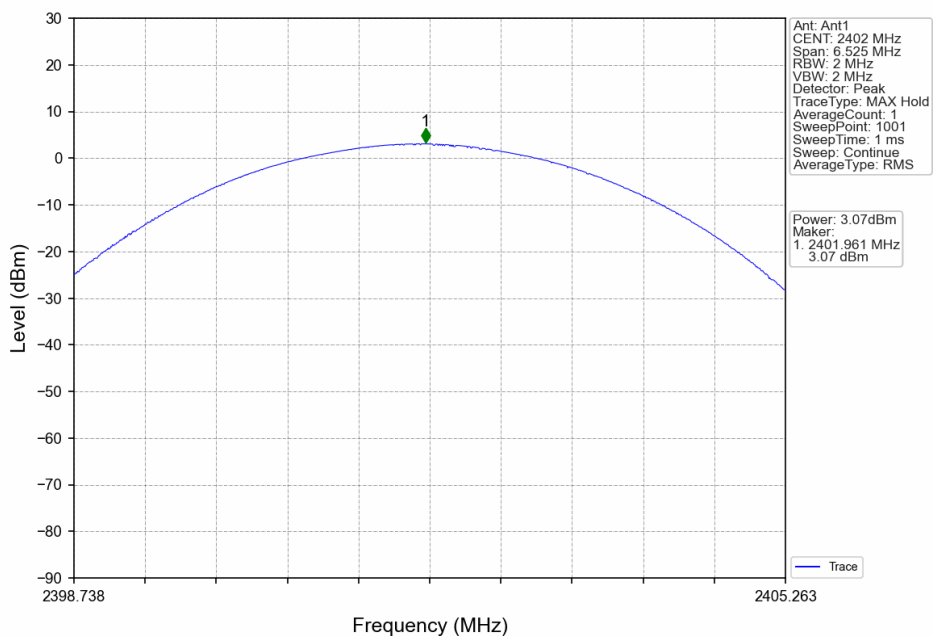
$\pi/4$ -DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



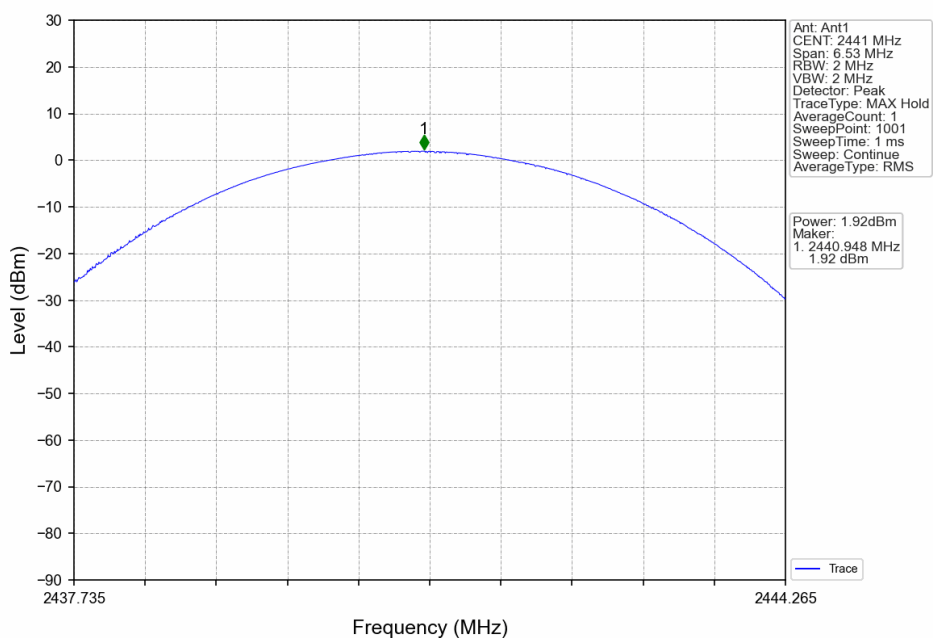
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

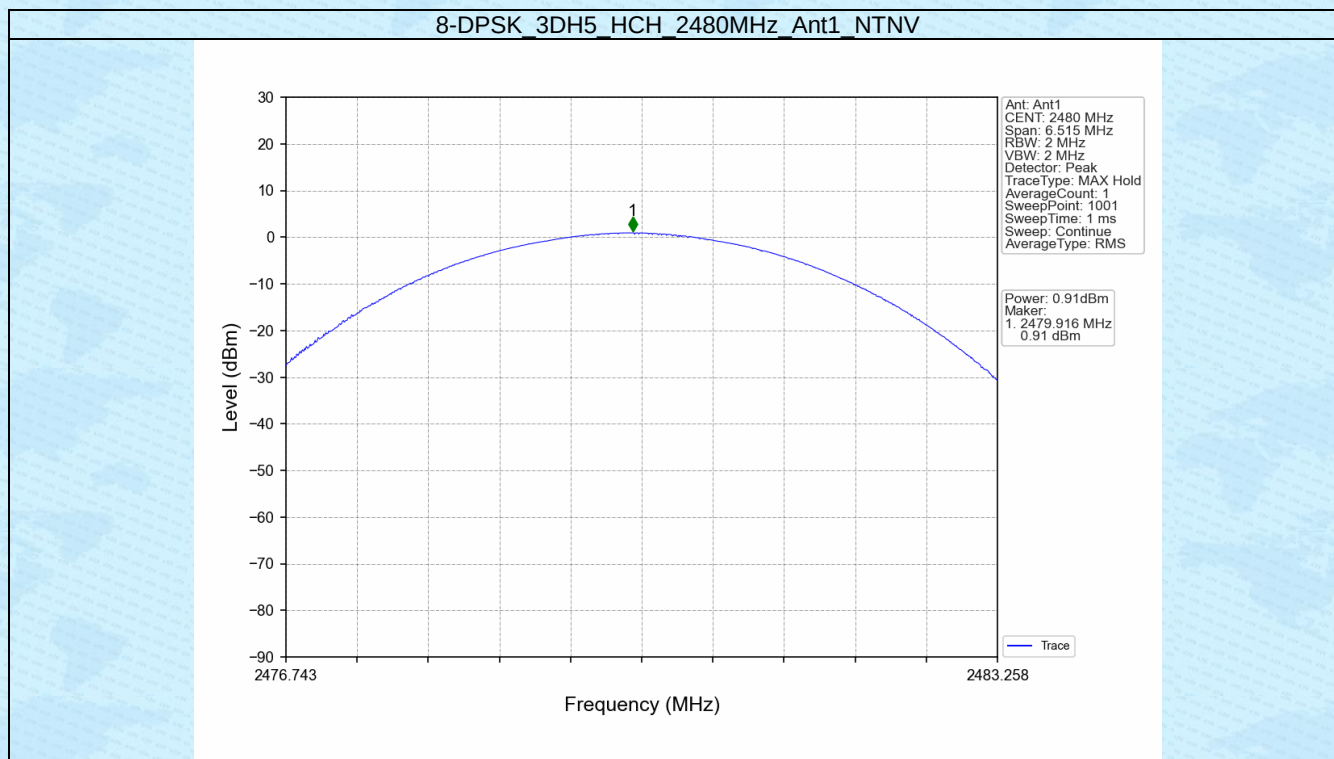


8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



8-DPSK 3DH5 MCH 2441MHz Ant1 NTN





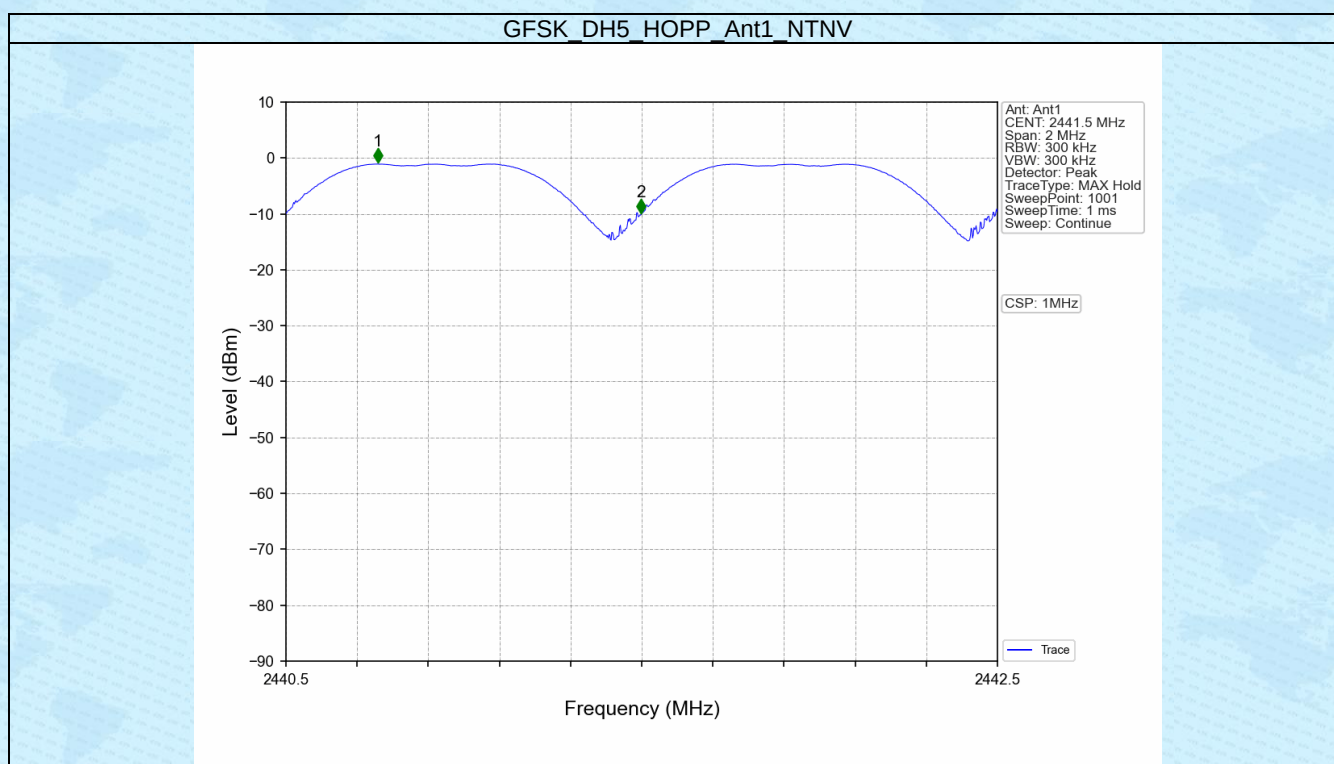
3. Carrier Frequency Separation

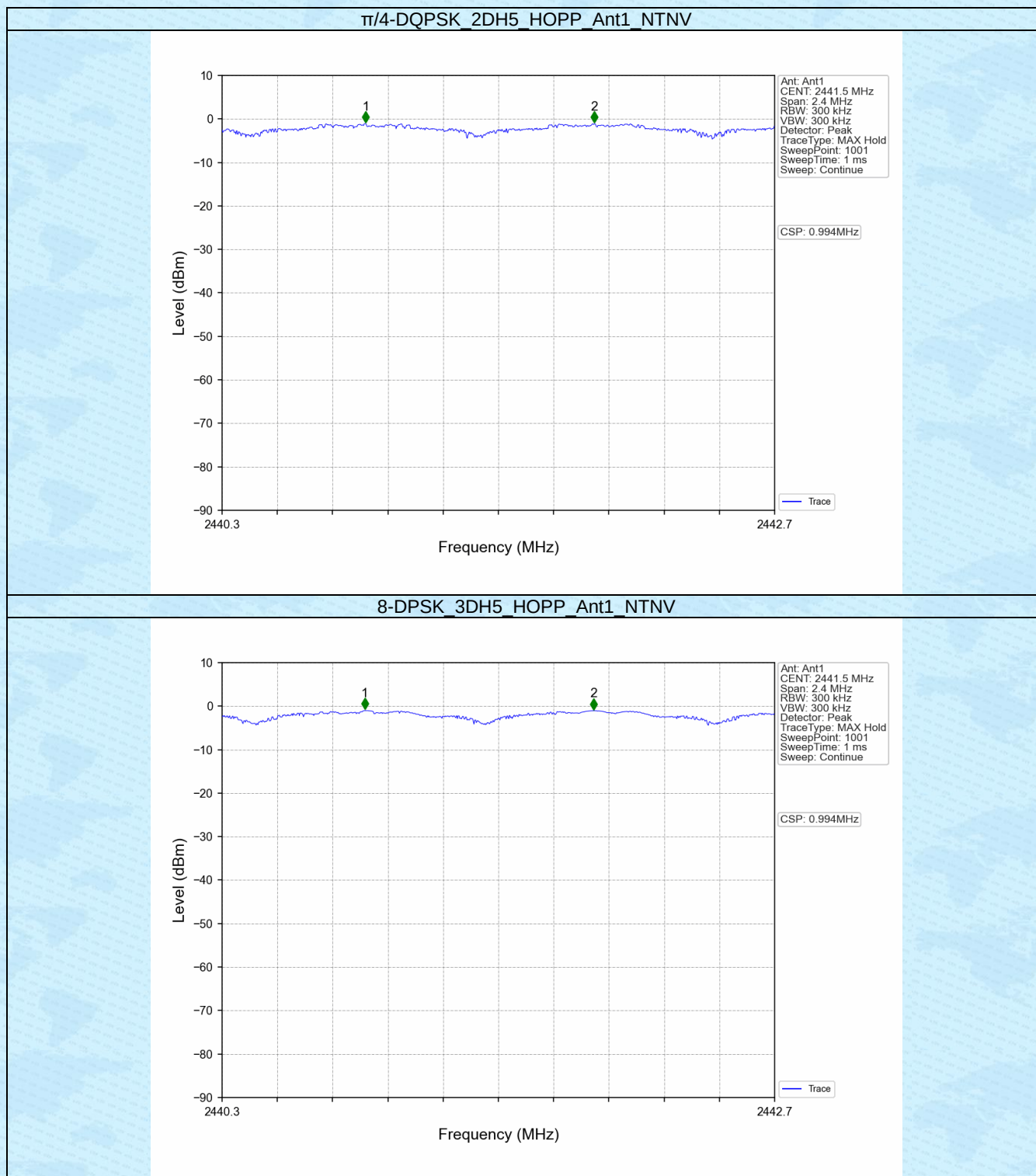
3.1 Ant1

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	0.945	≥ 0.945	Pass
$\pi/4$ -DQPSK	SISO	HOPP	2DH5	0.994	1.326	≥ 0.884	Pass
8-DPSK	SISO	HOPP	3DH5	0.994	1.306	≥ 0.871	Pass

3.1.2 Test Graph





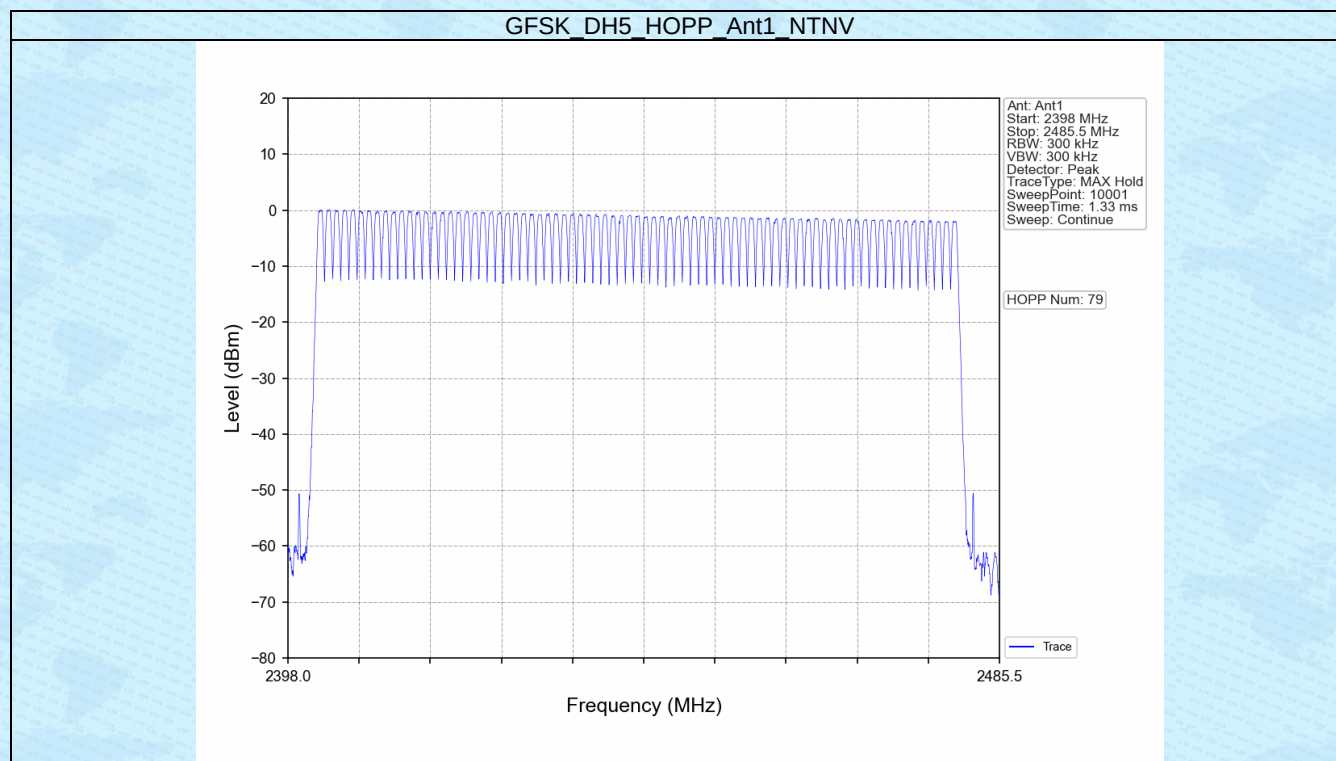
4. Number of Hopping Frequencies

4.1 HoppNum

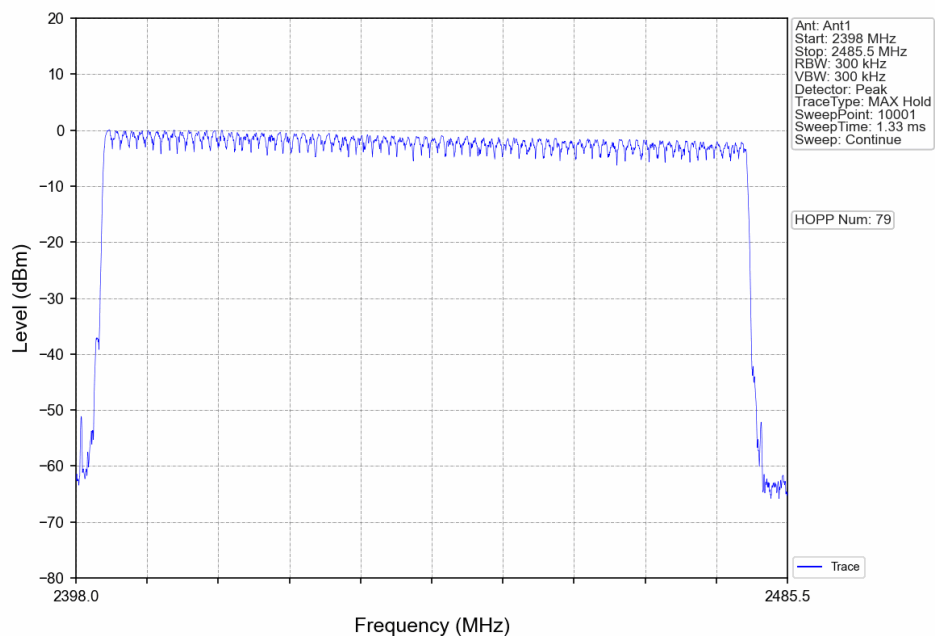
4.1.1 Test Result

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
8-DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass

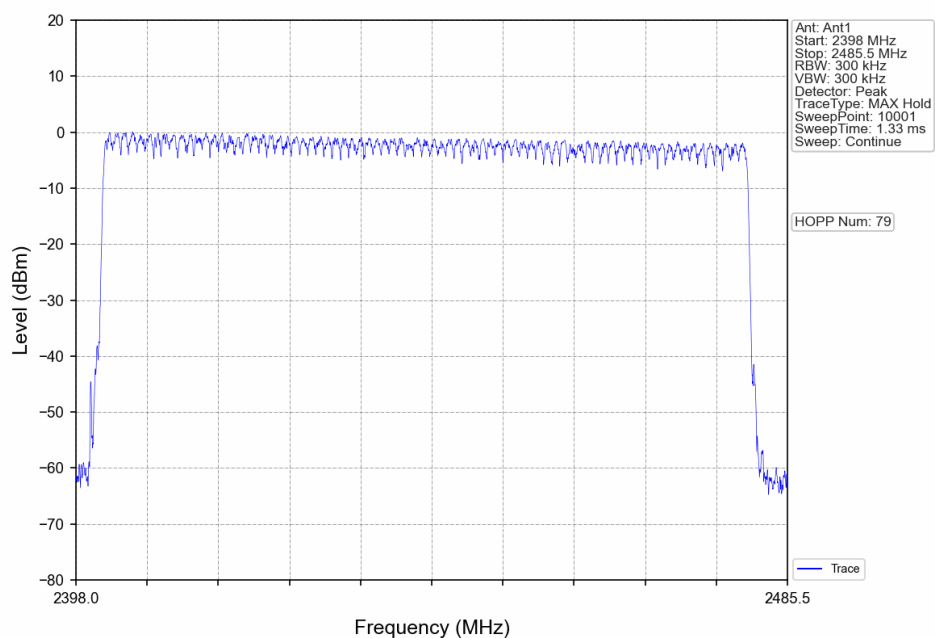
4.1.2 Test Graph



$\pi/4$ -DQPSK_2DH5_HOPP_Ant1_NTNV



8-DPSK_3DH5_HOPP_Ant1_NTNV



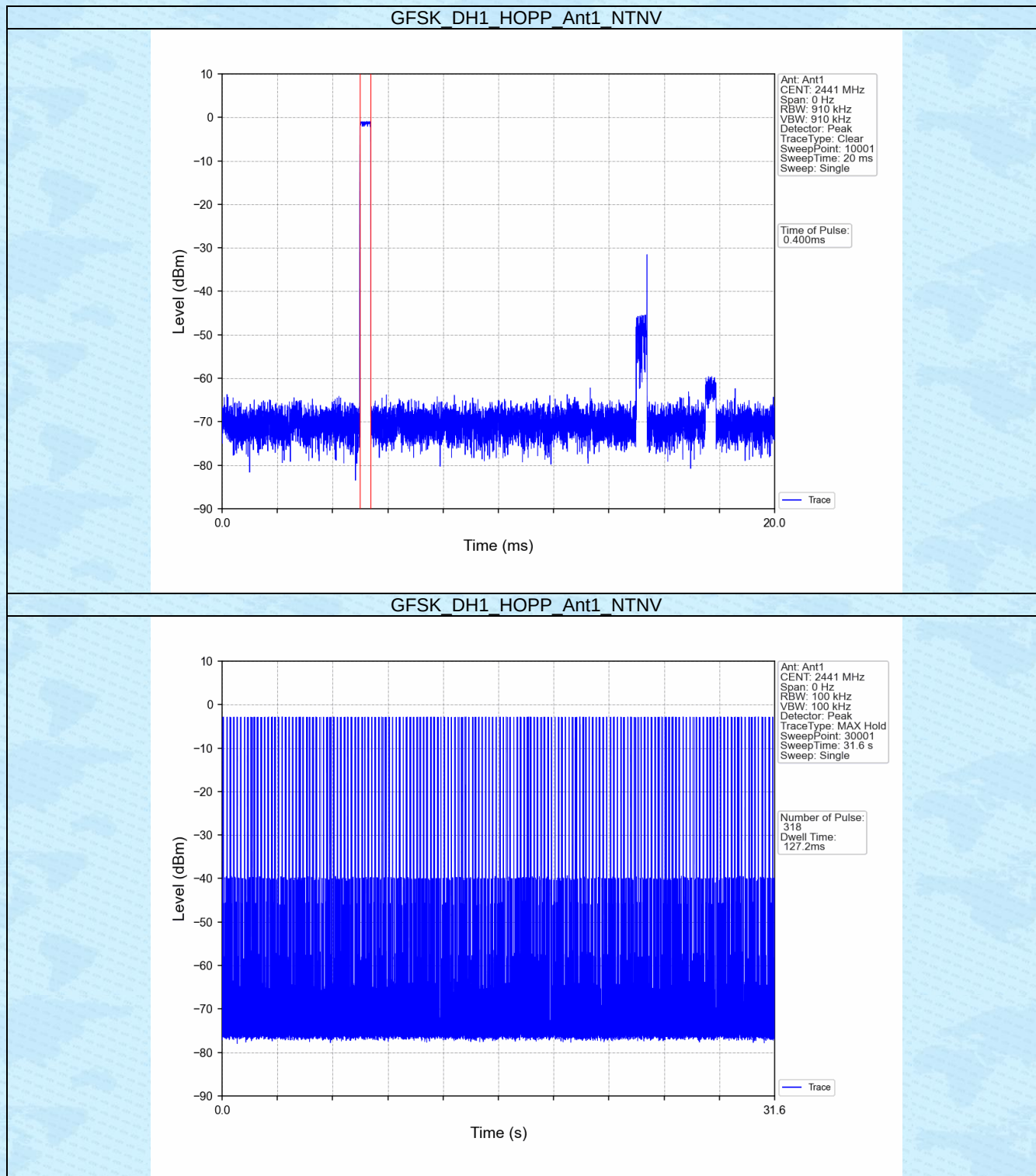
5. Time of Occupancy (Dwell Time)

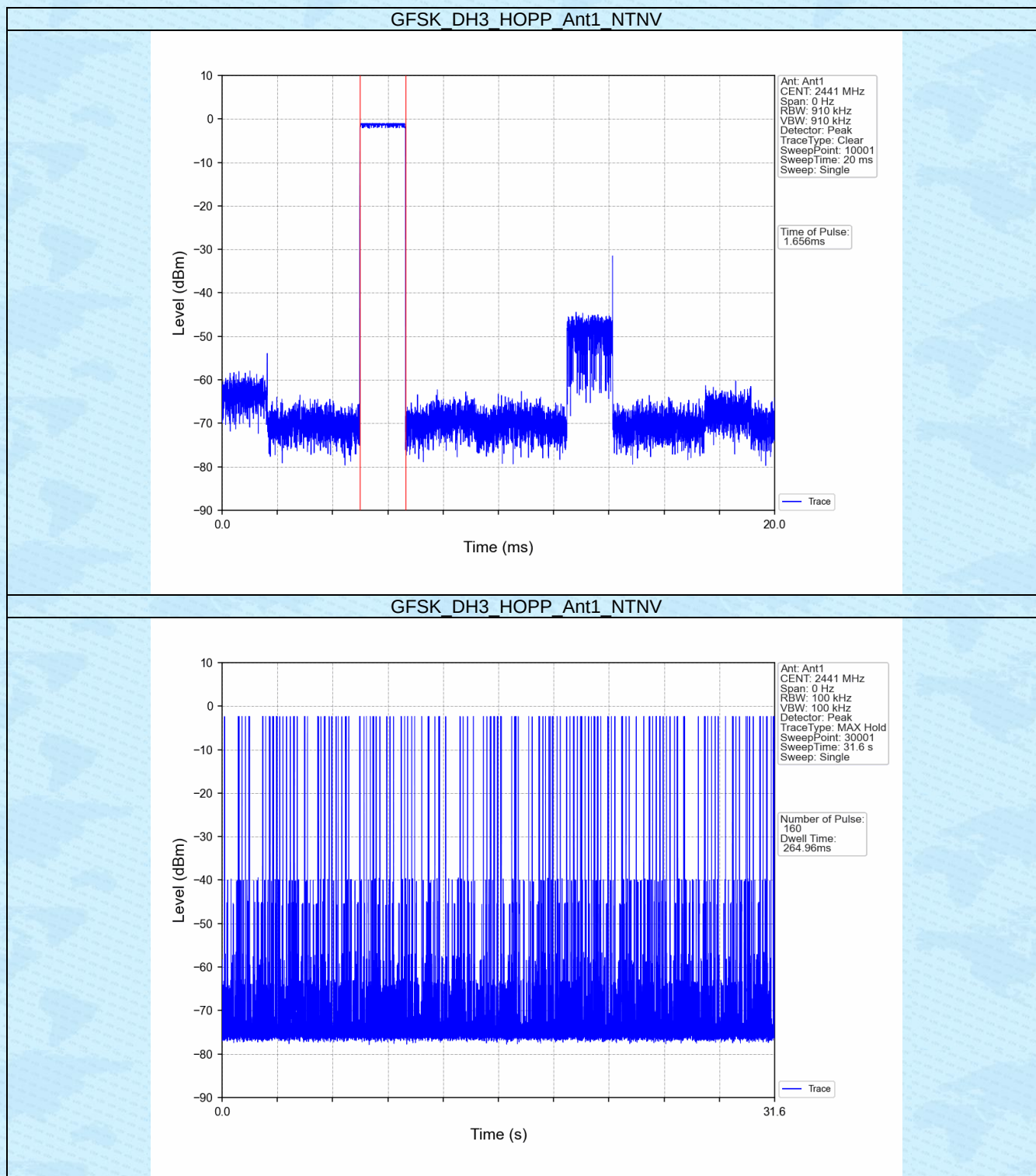
5.1 Ant1

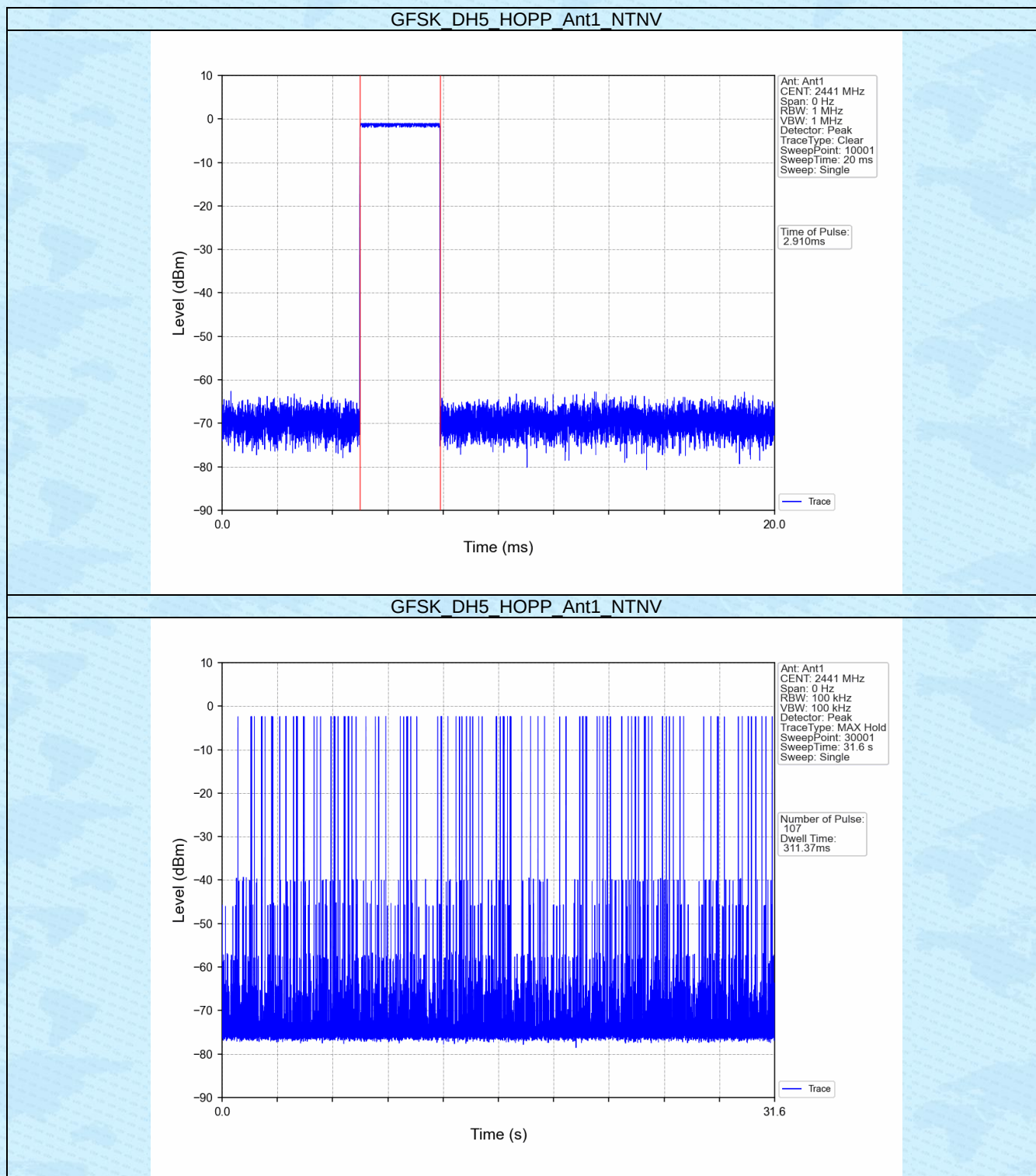
5.1.1 Test Result

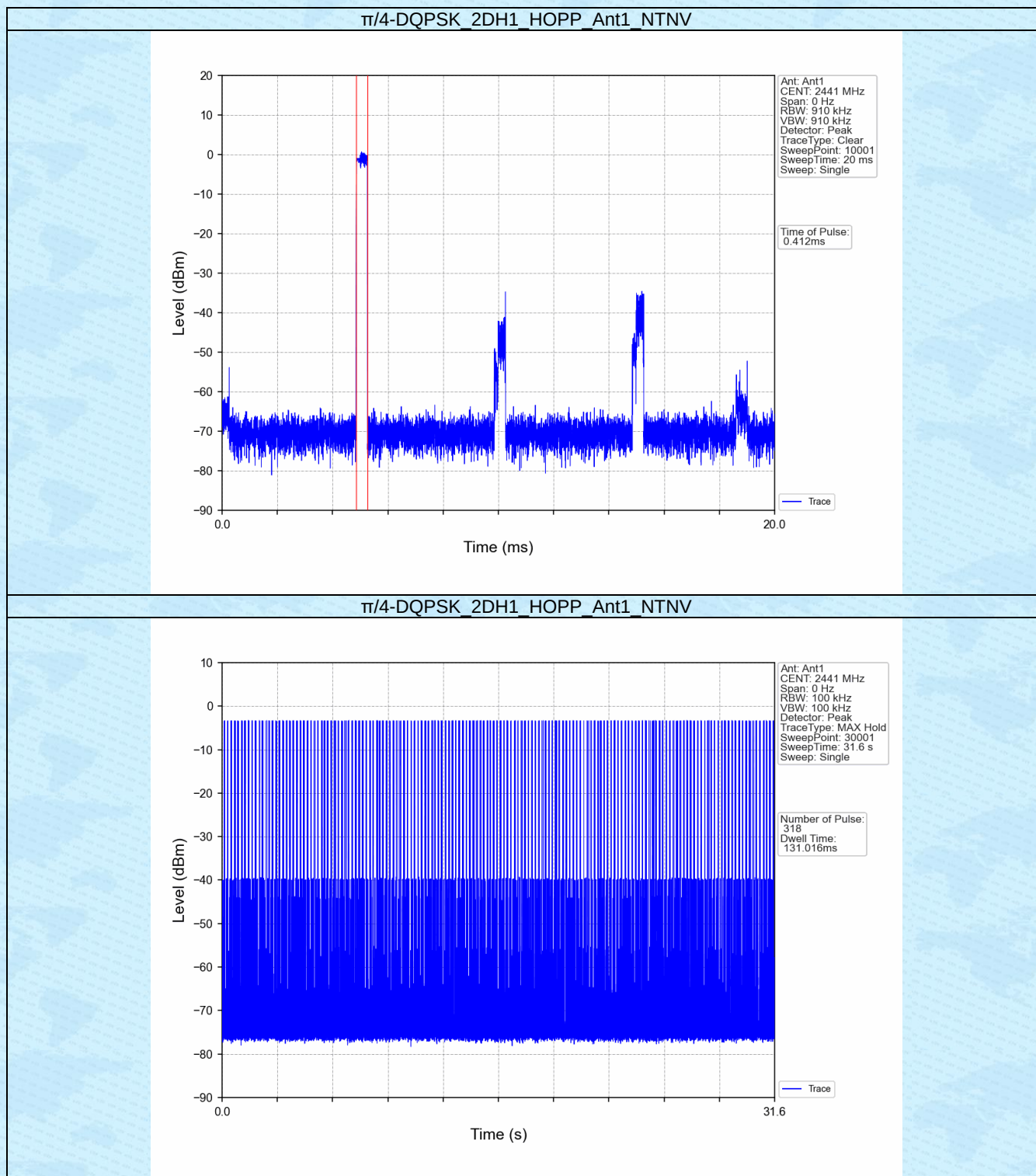
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.400	31.600	318	127.200	<=400	Pass
			DH3	1.656	31.600	160	264.960	<=400	Pass
			DH5	2.910	31.600	107	311.370	<=400	Pass
$\pi/4$ -DQPSK	SISO	HOPP	2DH1	0.412	31.600	318	131.016	<=400	Pass
			2DH3	1.666	31.600	159	264.894	<=400	Pass
			2DH5	2.916	31.600	105	306.180	<=400	Pass
8-DPSK	SISO	HOPP	3DH1	0.412	31.600	318	131.016	<=400	Pass
			3DH3	1.664	31.600	162	269.568	<=400	Pass
			3DH5	2.898	31.600	109	315.882	<=400	Pass

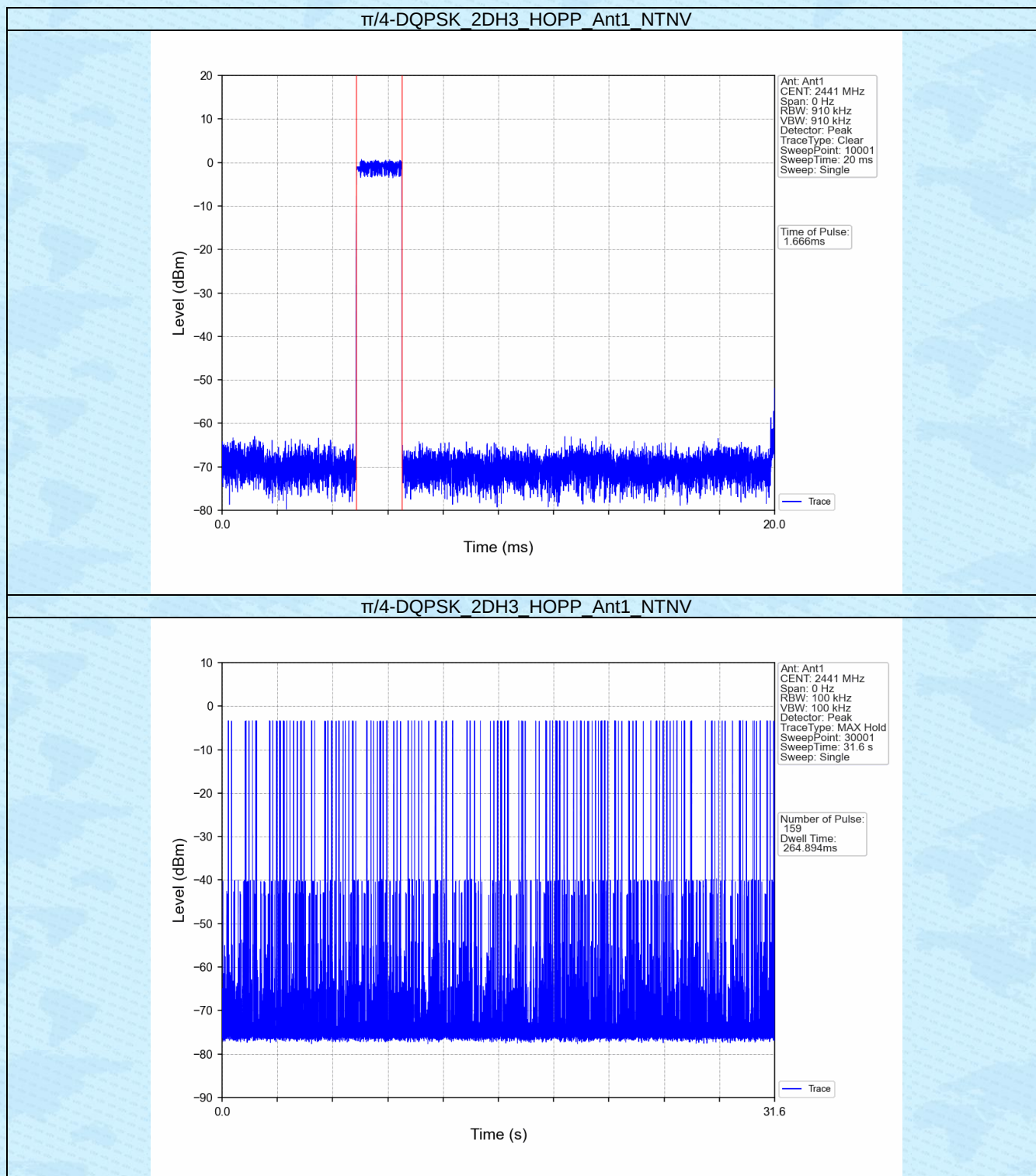
5.1.2 Test Graph

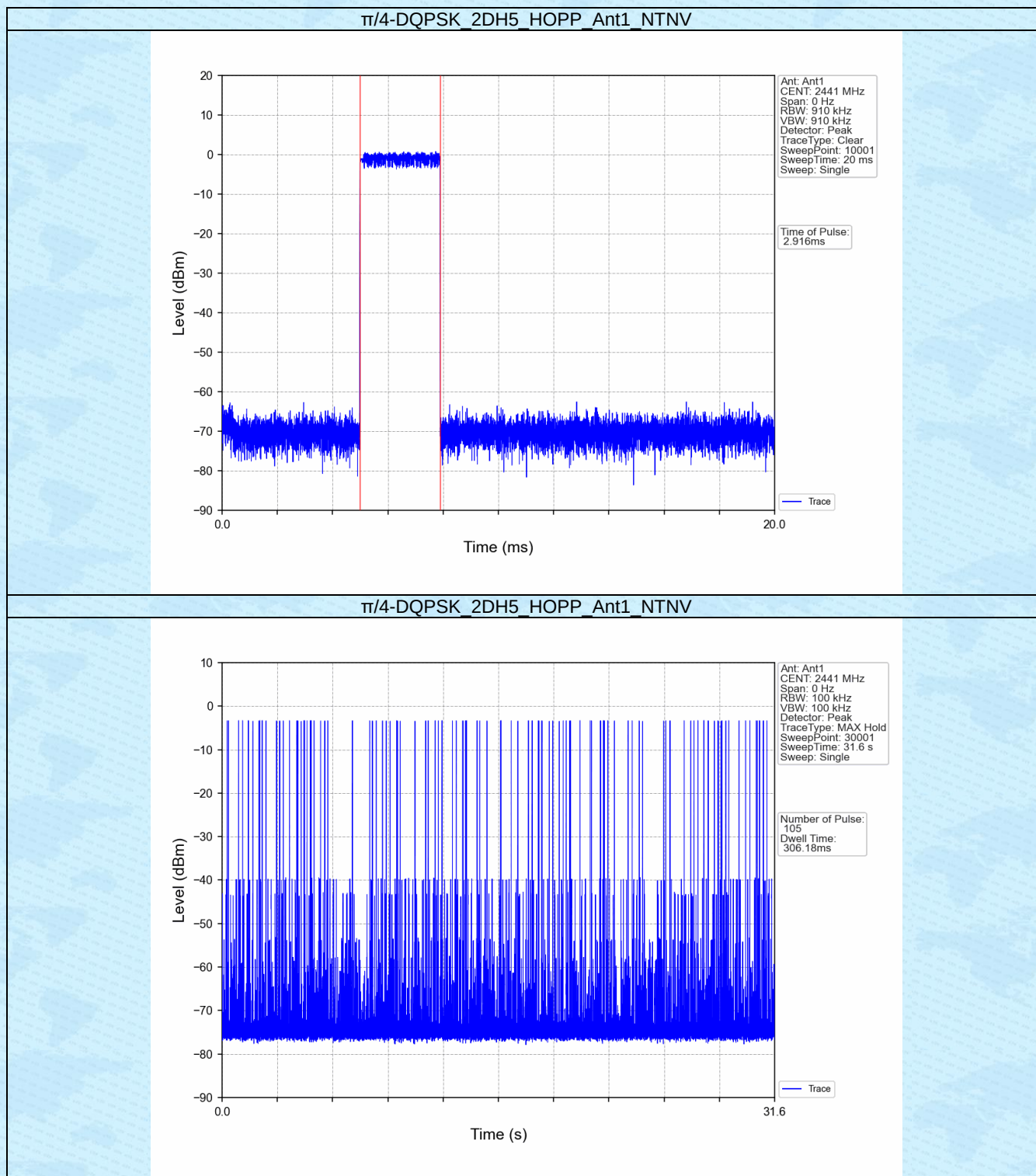




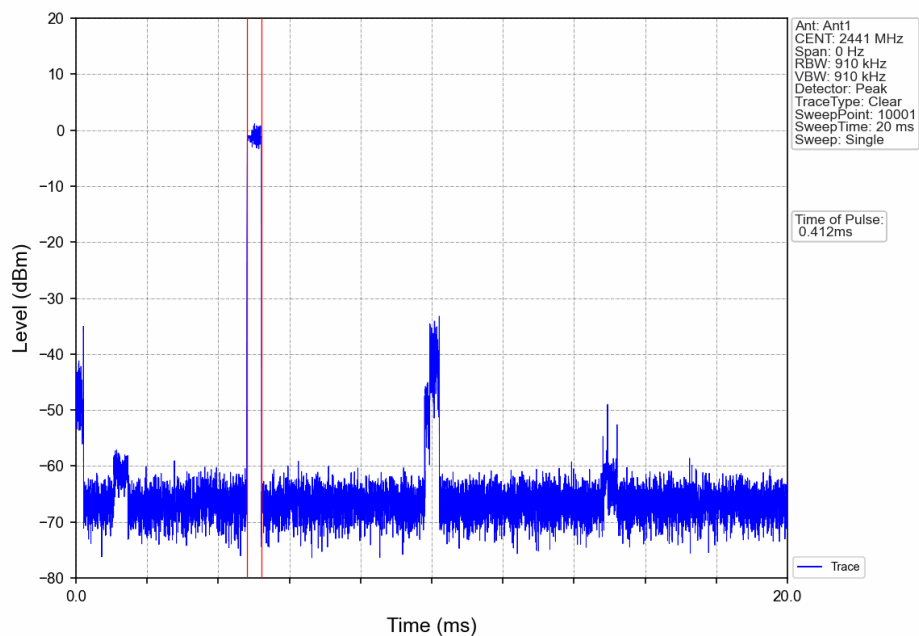




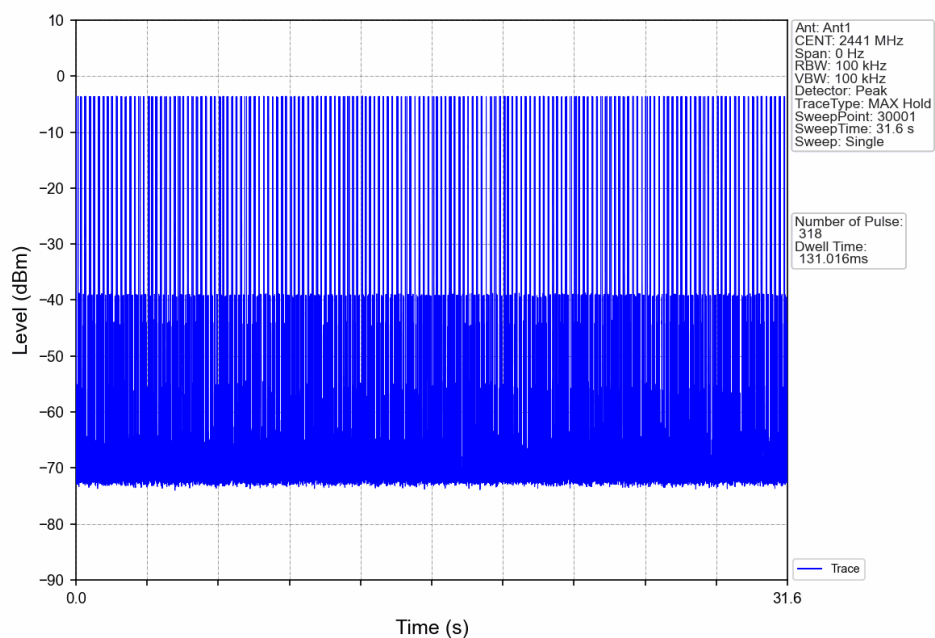




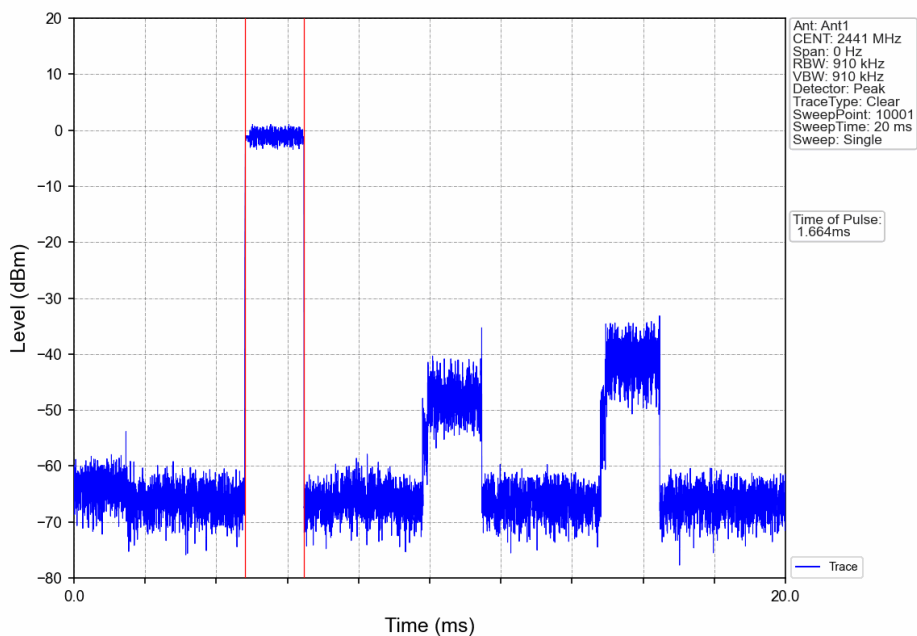
8-DPSK_3DH1_HOPP_Ant1_NTNV



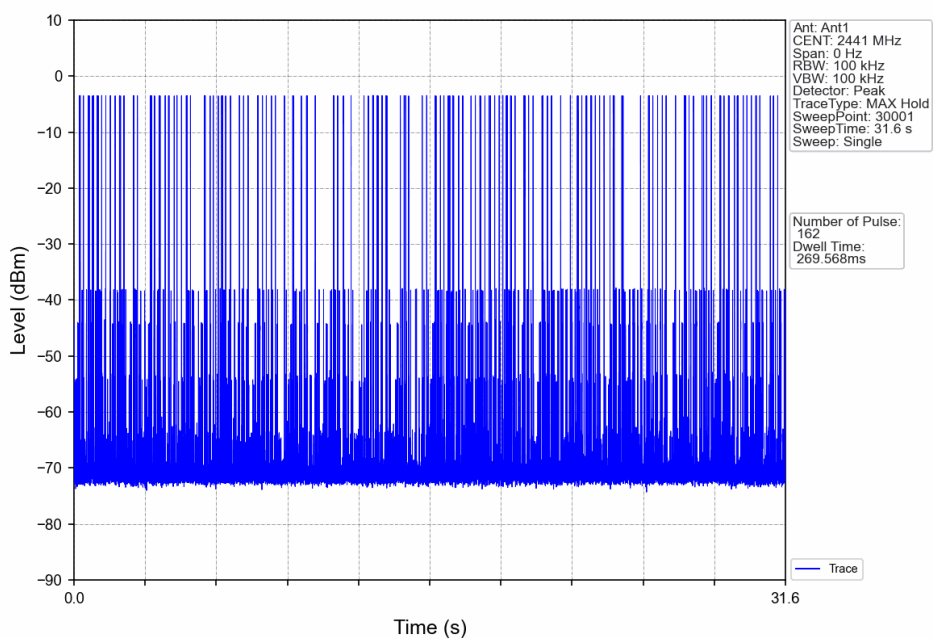
8-DPSK_3DH1_HOPP_Ant1_NTNV



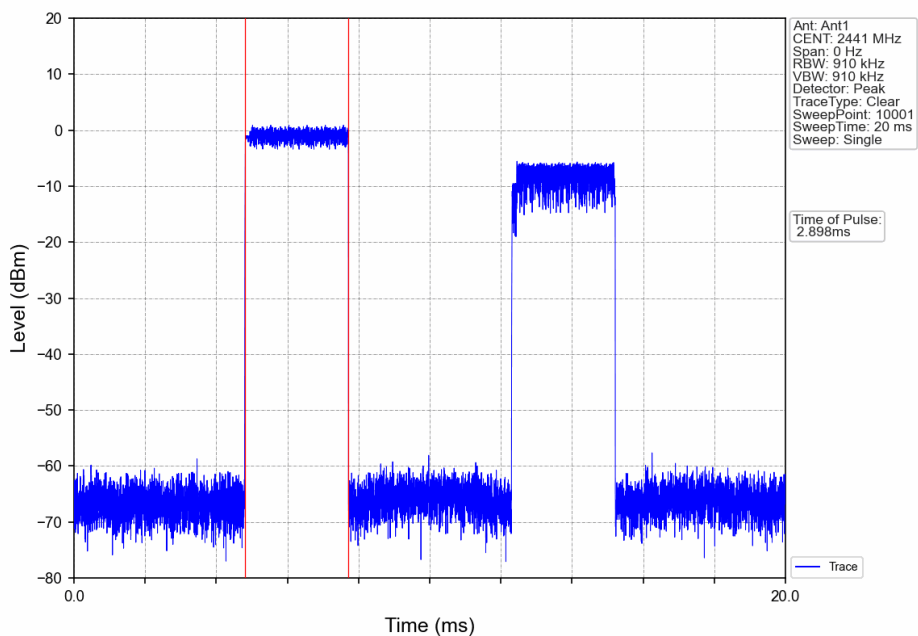
8-DPSK_3DH3_HOPP_Ant1_NTNV



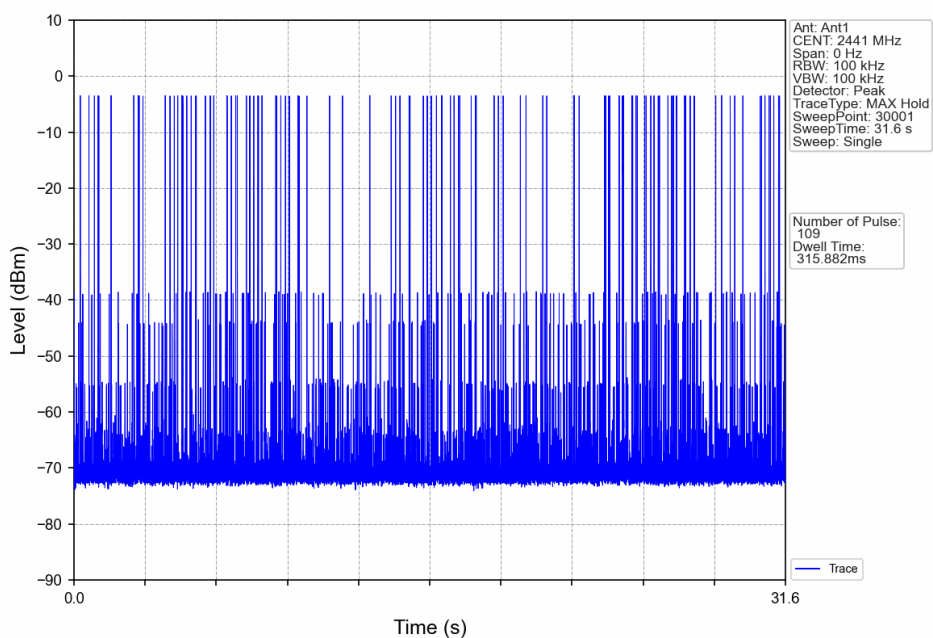
8-DPSK_3DH3_HOPP_Ant1_NTNV



8-DPSK 3DH5 HOPP Ant1 NTN



8-DPSK 3DH5 HOPP Ant1 NTN



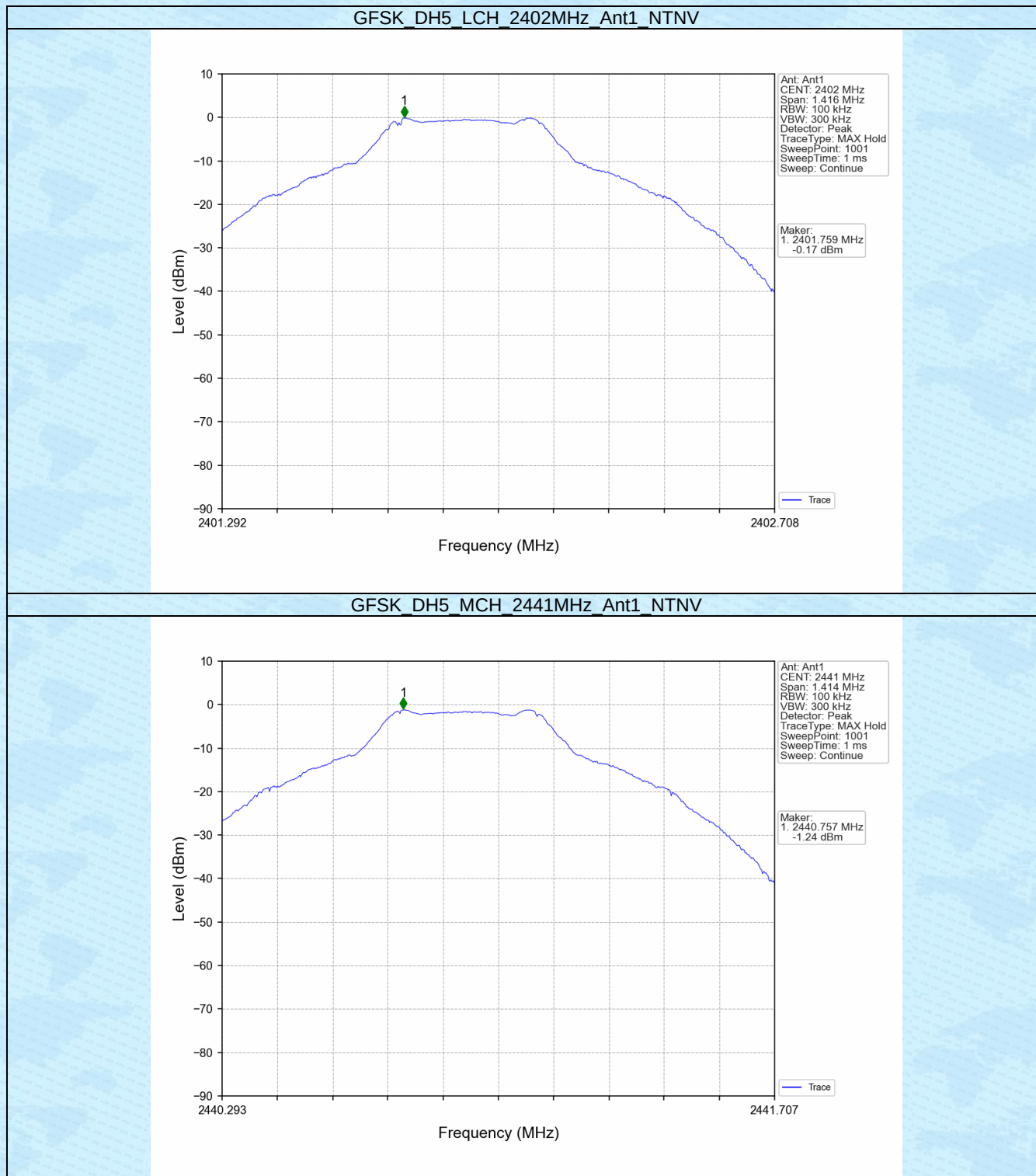
6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

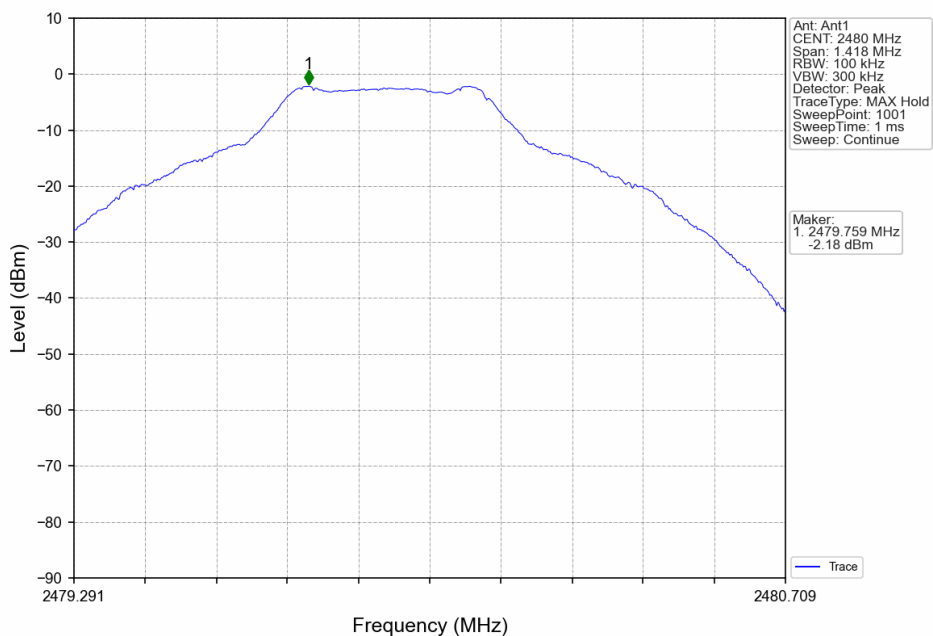
6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-0.17
		2441	DH5	1	-1.24
		2480	DH5	1	-2.18
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	-0.36
		2441	2DH5	1	-1.42
		2480	2DH5	1	-2.35
8-DPSK	SISO	2402	3DH5	1	0.06
		2441	3DH5	1	-0.98
		2480	3DH5	1	-1.92
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.					

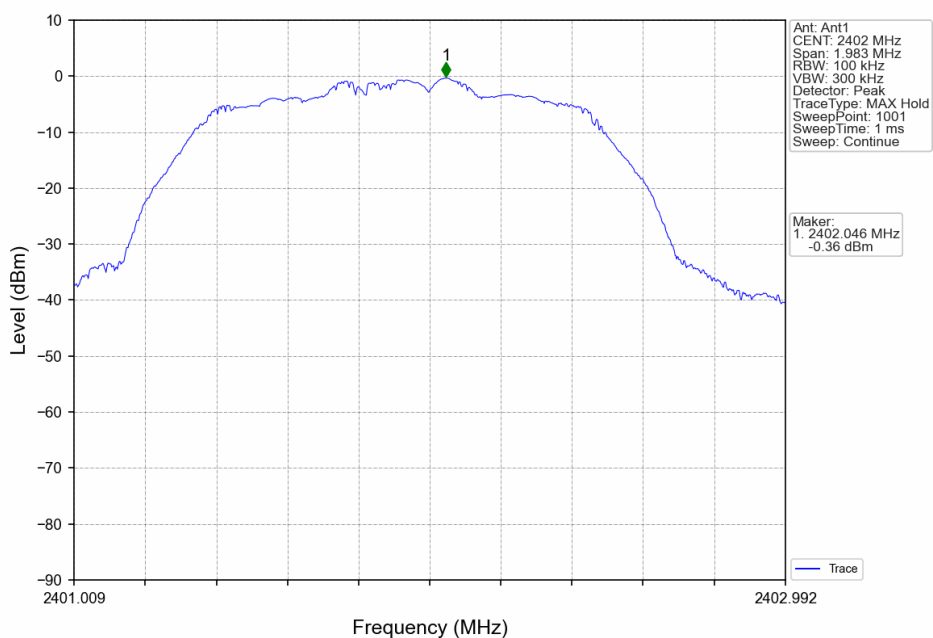
6.1.2 Test Graph



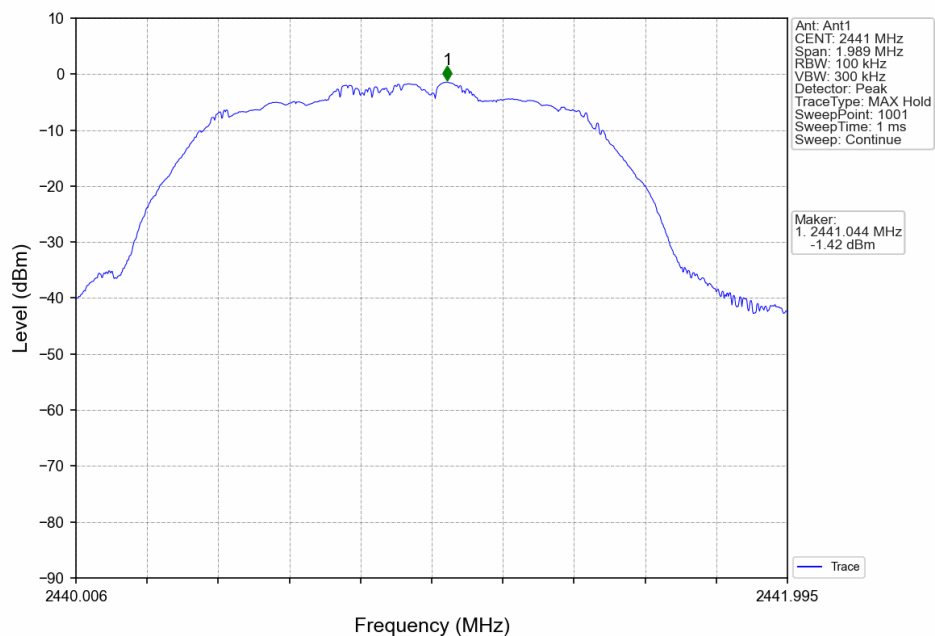
GFSK DH5_HCH_2480MHz_Ant1_NTNV



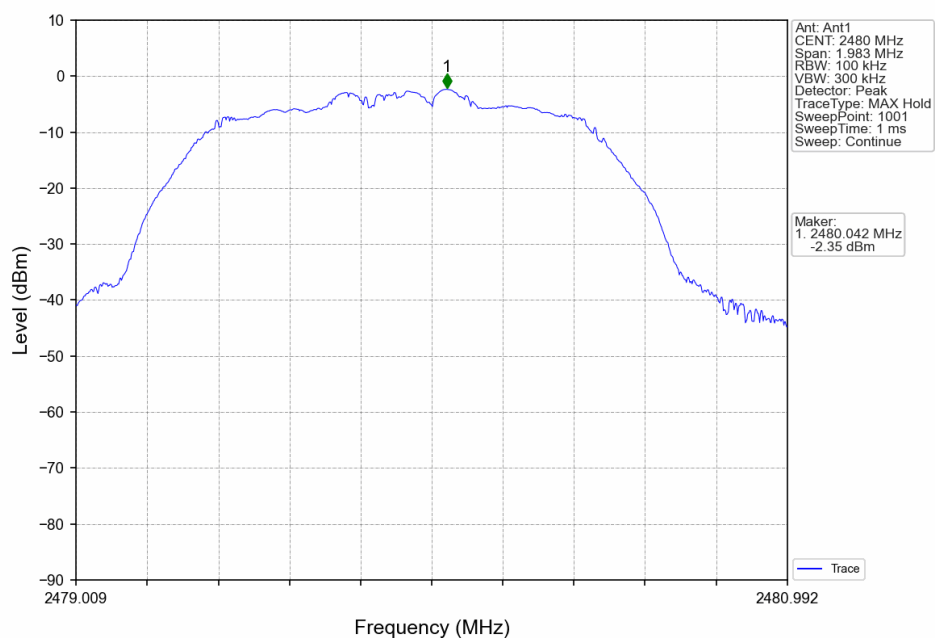
$\pi/4$ -DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



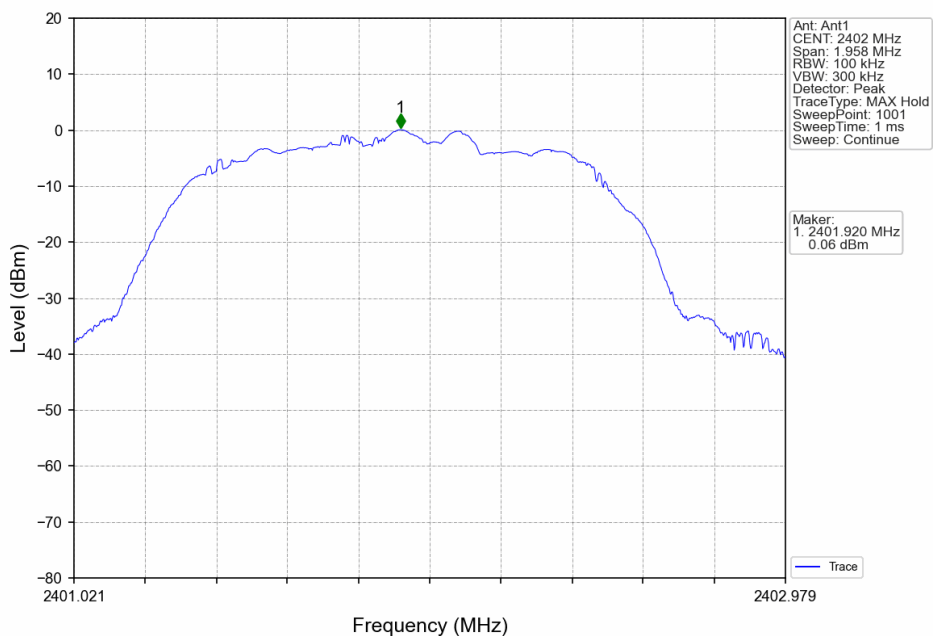
$\pi/4$ -DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



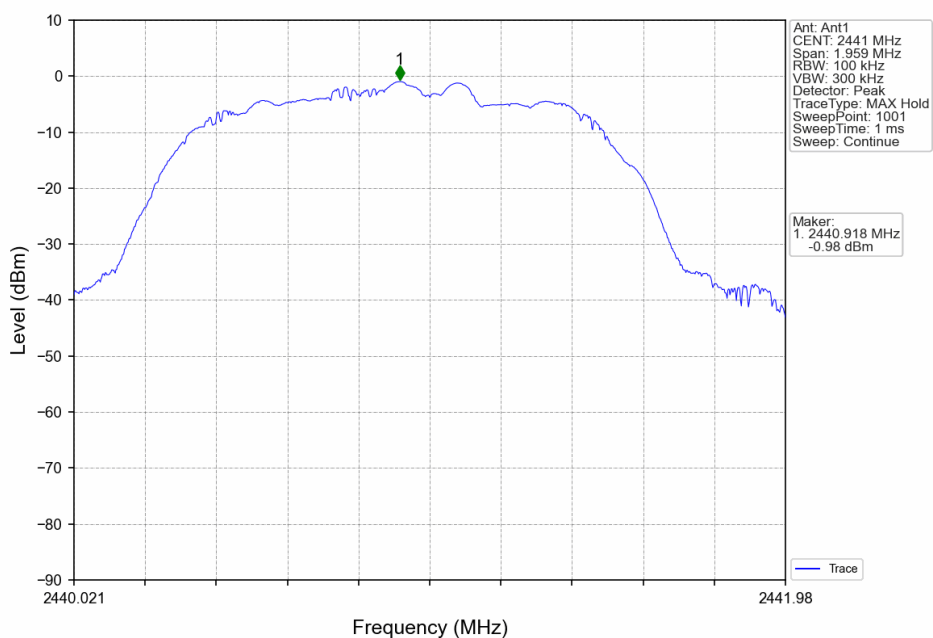
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

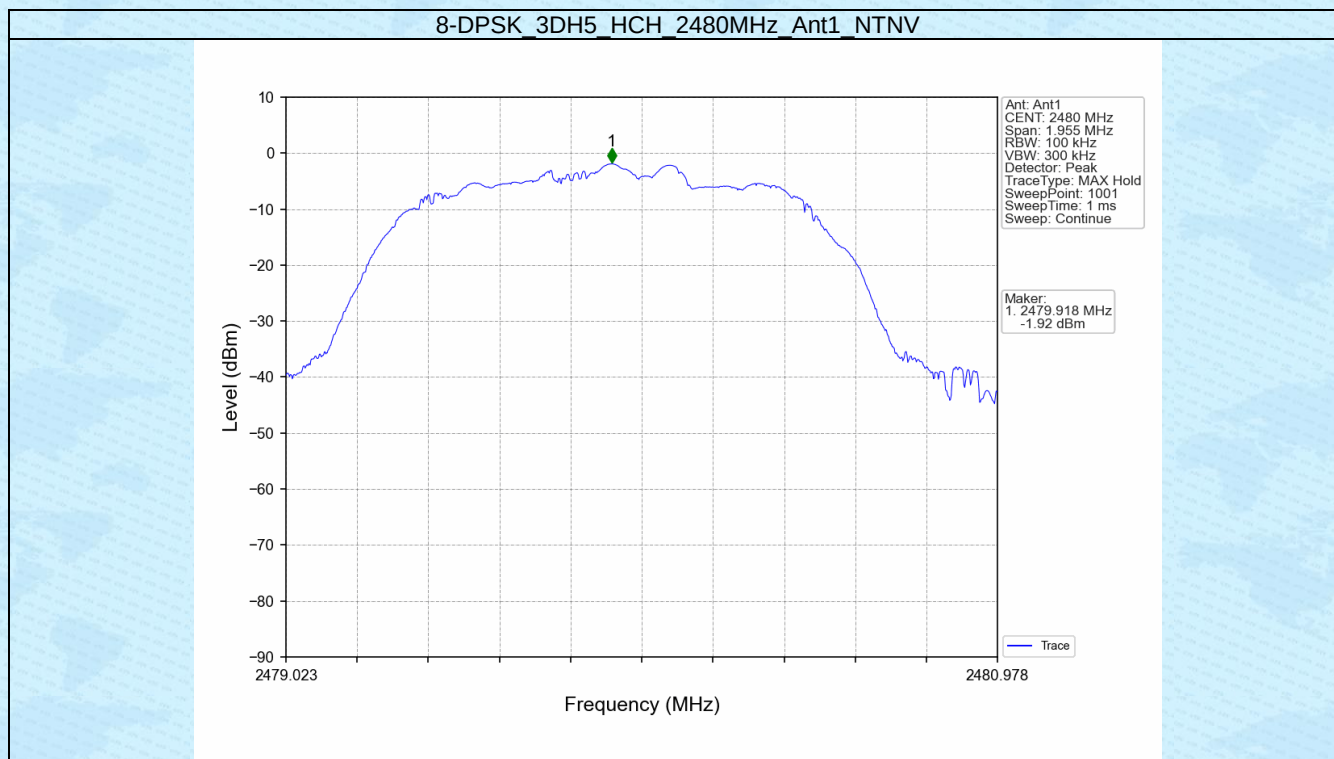


8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



8-DPSK 3DH5 MCH 2441MHz Ant1 NTN





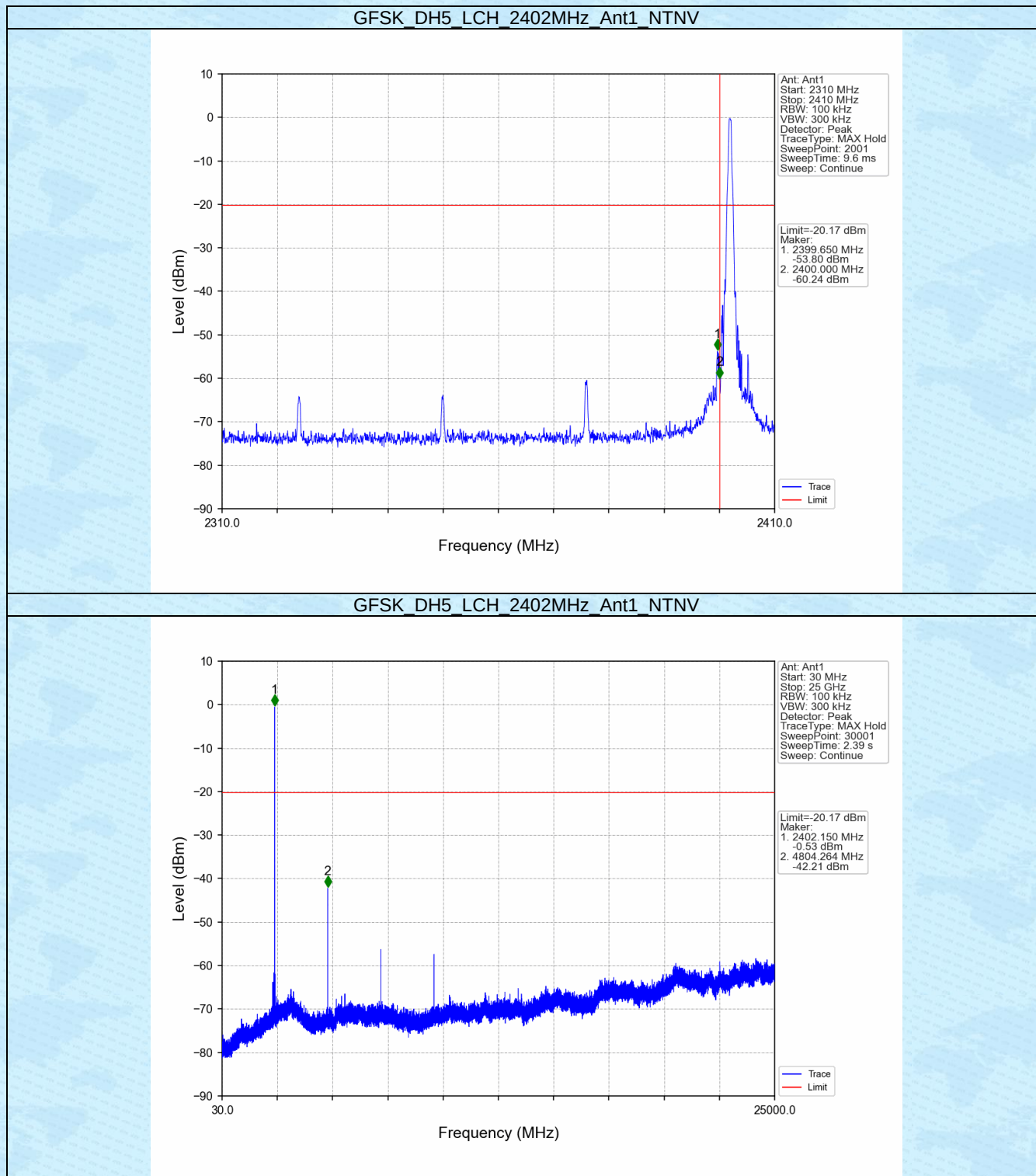
6.2 CSE

6.2.1 Test Result

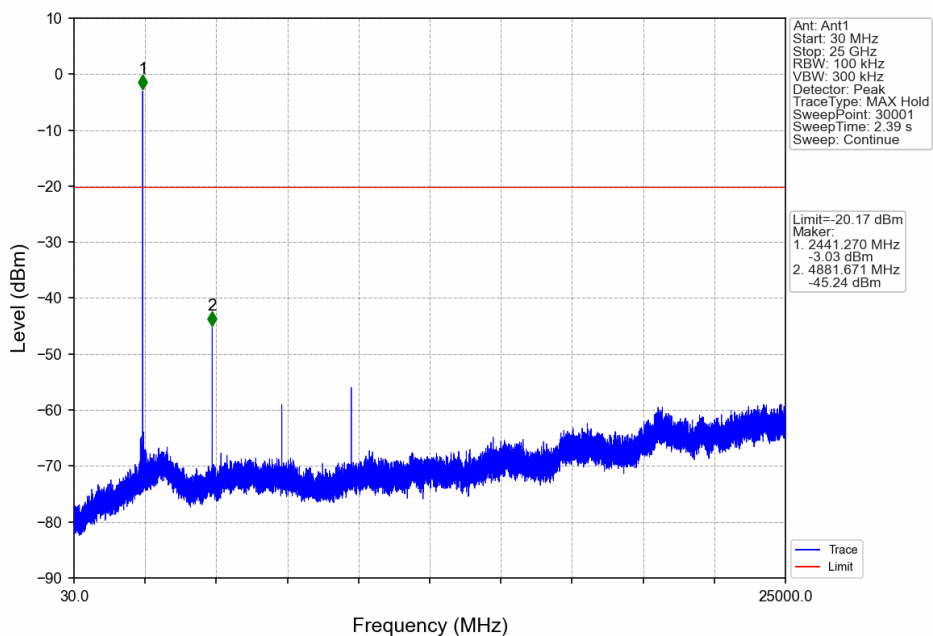
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-0.17	-20.17	Pass
		2441	DH5	1	-0.17	-20.17	Pass
		2480	DH5	1	-0.17	-20.17	Pass
		HOPP	DH5	1	-0.17	-20.17	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	-0.36	-20.36	Pass
		2441	2DH5	1	-0.36	-20.36	Pass
		2480	2DH5	1	-0.36	-20.36	Pass
		HOPP	2DH5	1	-0.36	-20.36	Pass
8-DPSK	SISO	2402	3DH5	1	0.06	-19.94	Pass
		2441	3DH5	1	0.06	-19.94	Pass
		2480	3DH5	1	0.06	-19.94	Pass
		HOPP	3DH5	1	0.06	-19.94	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.

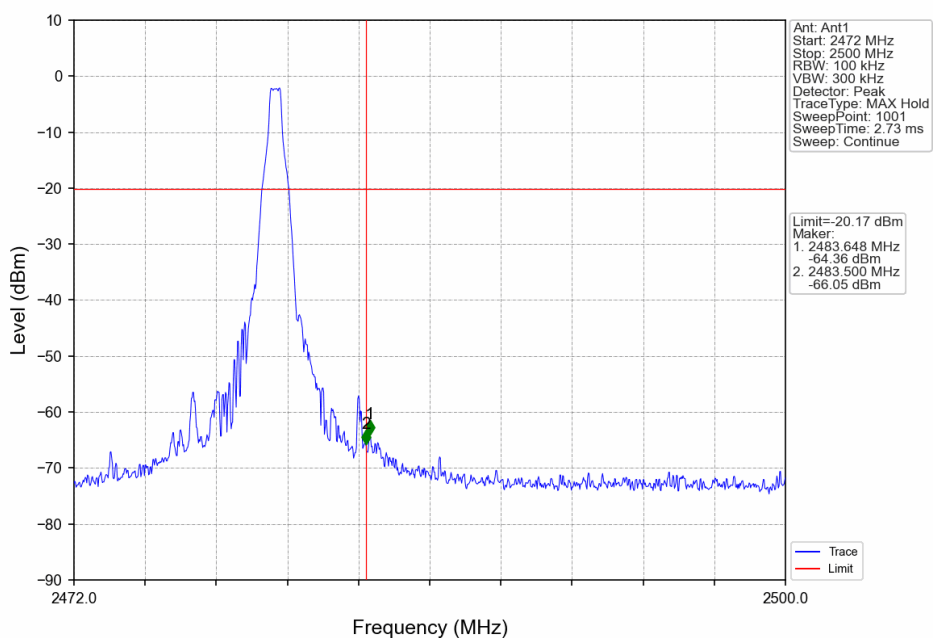
6.2.2 Test Graph



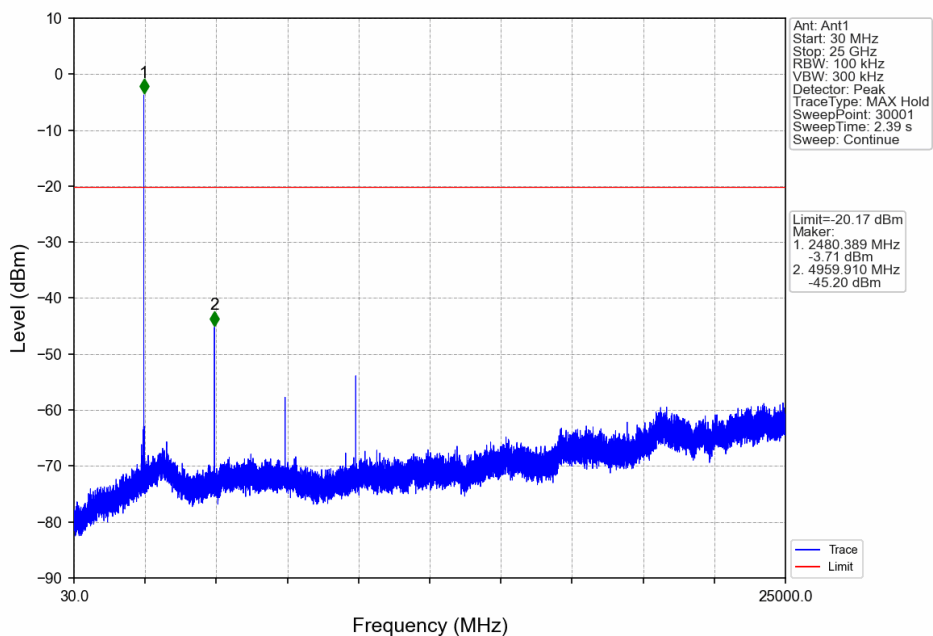
GFSK DH5_MCH_2441MHz_Ant1_NTNV



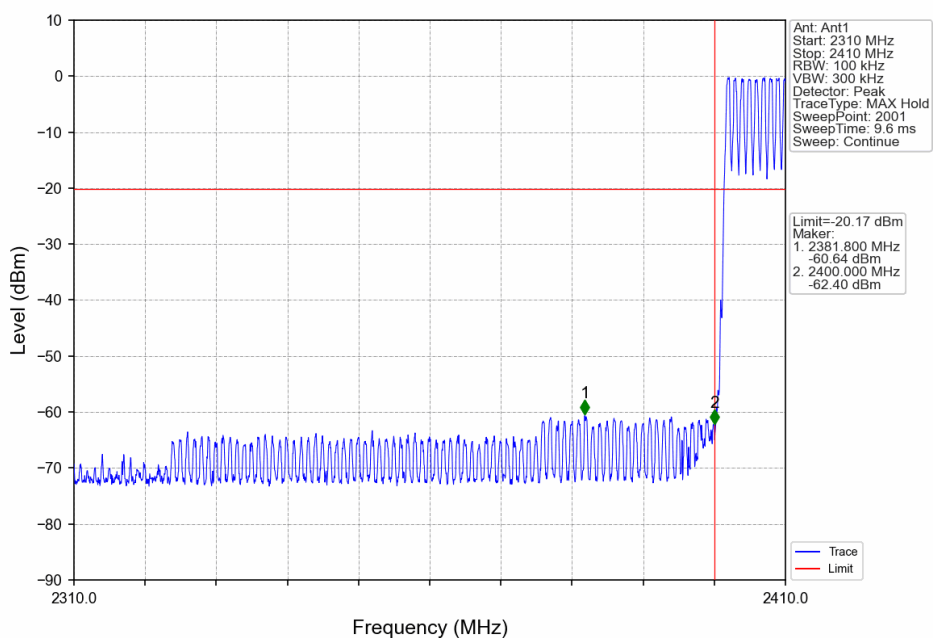
GFSK DH5_HCH_2480MHz_Ant1_NTNV

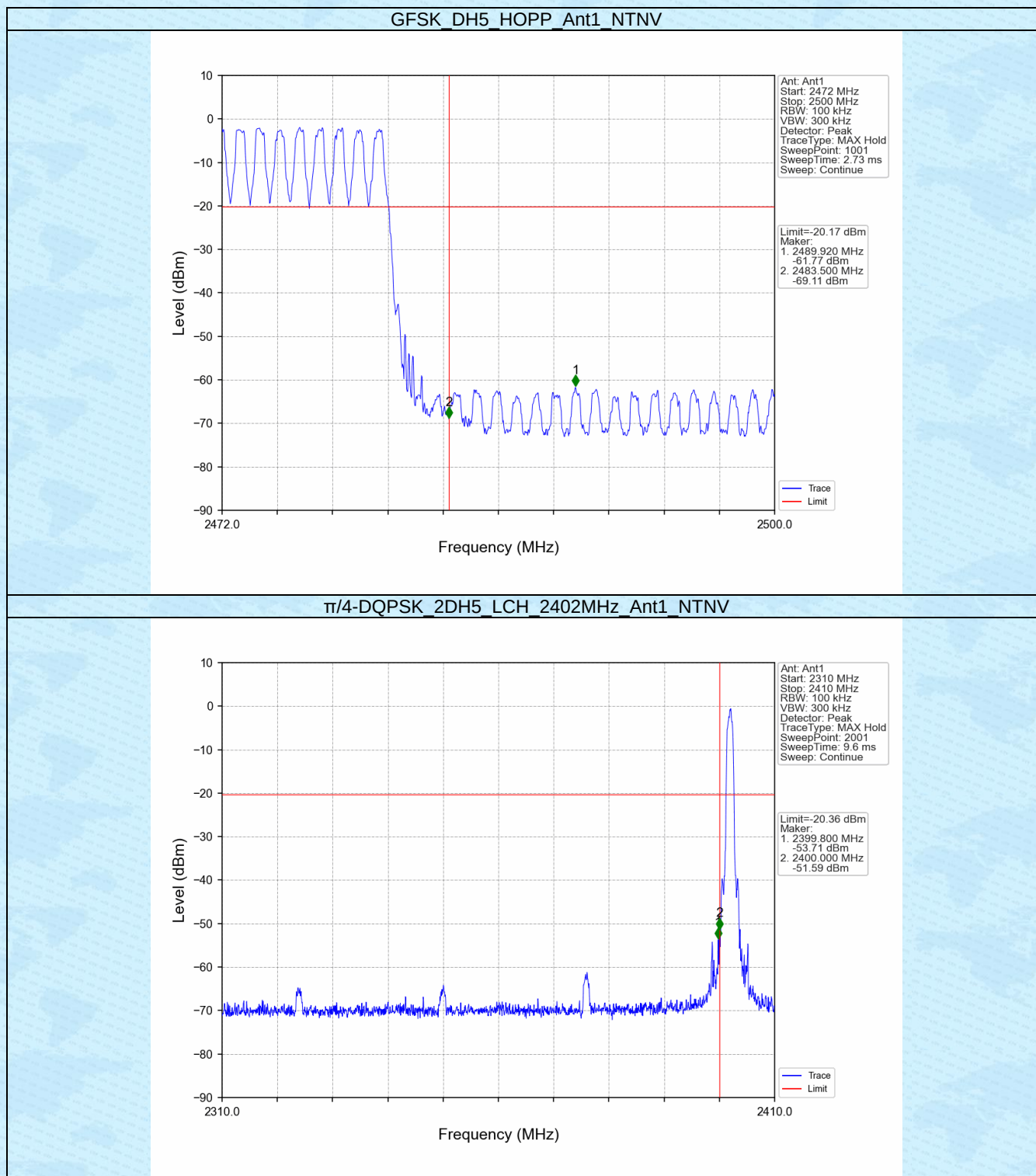


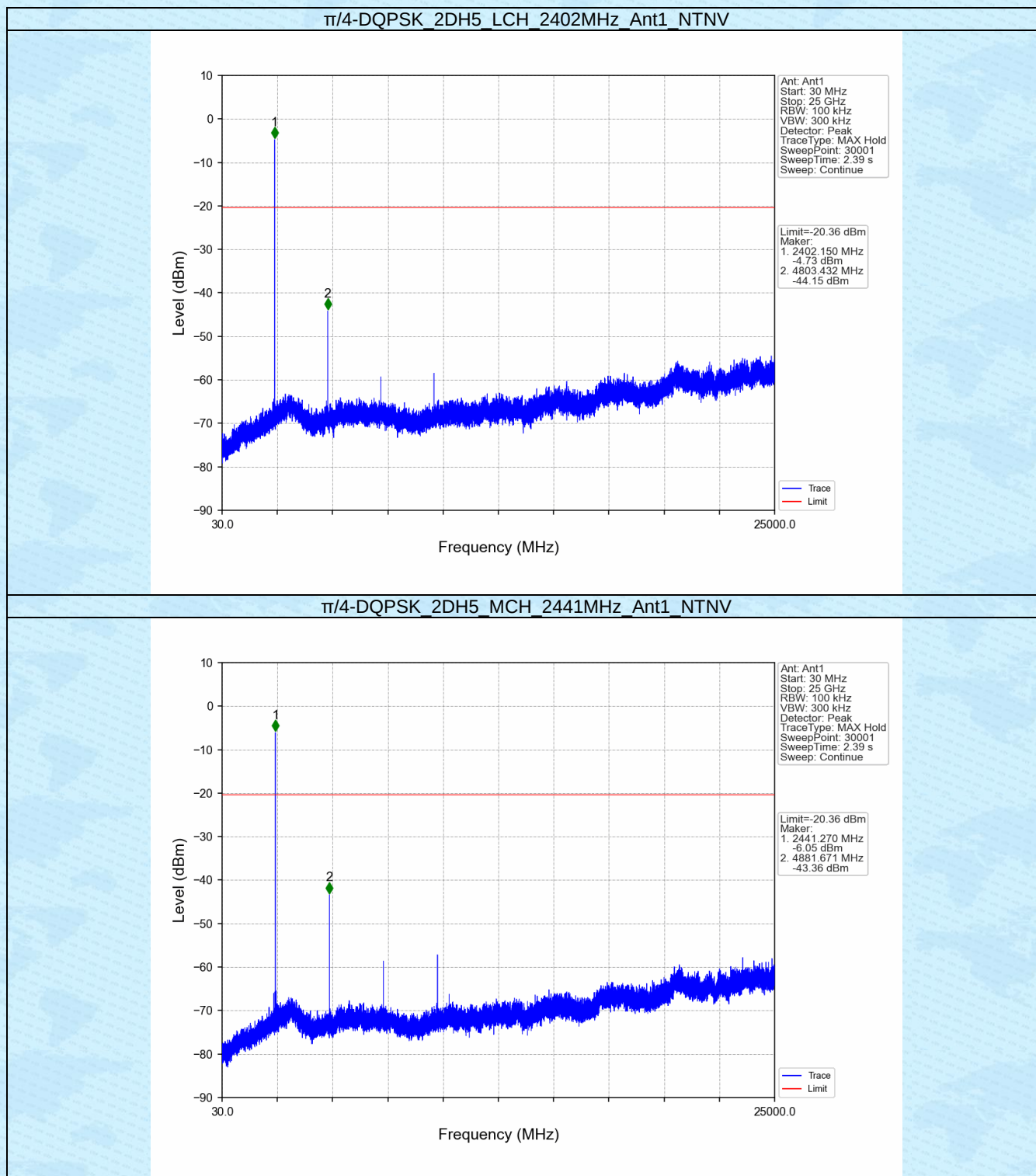
GFSK DH5_HCH_2480MHz_Ant1_NTNV



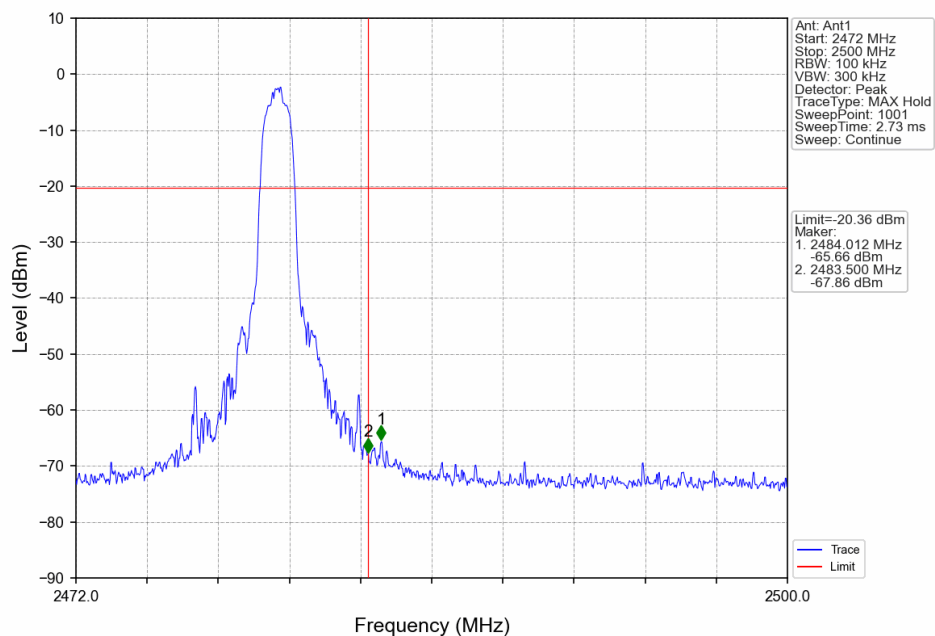
GFSK DH5_HOPP_Ant1_NTNV



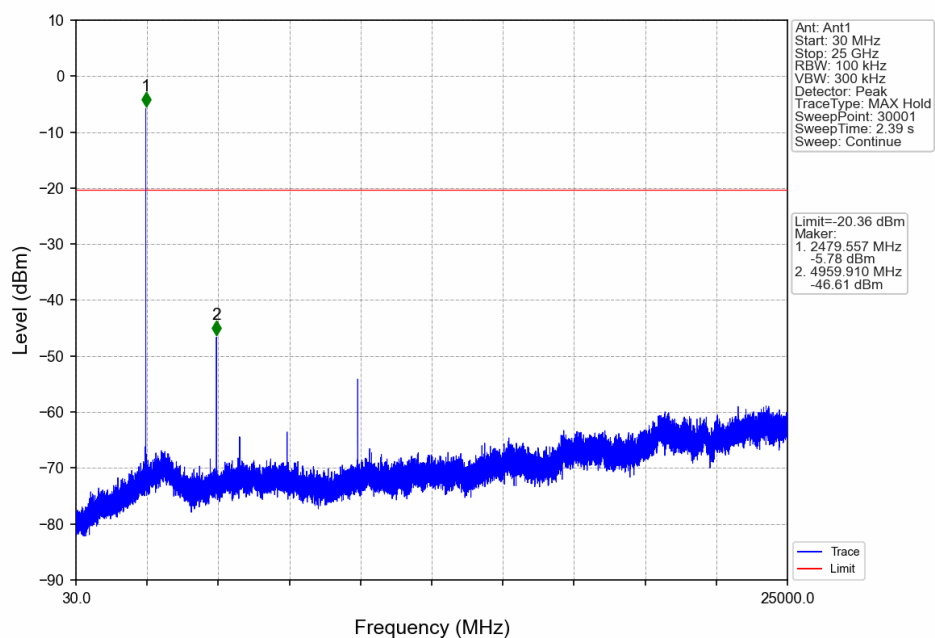




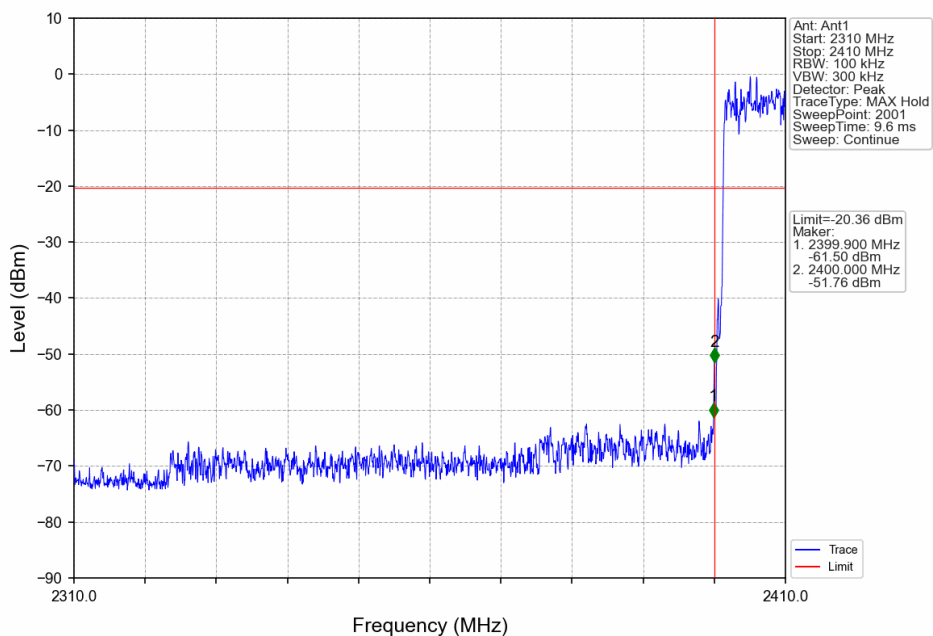
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



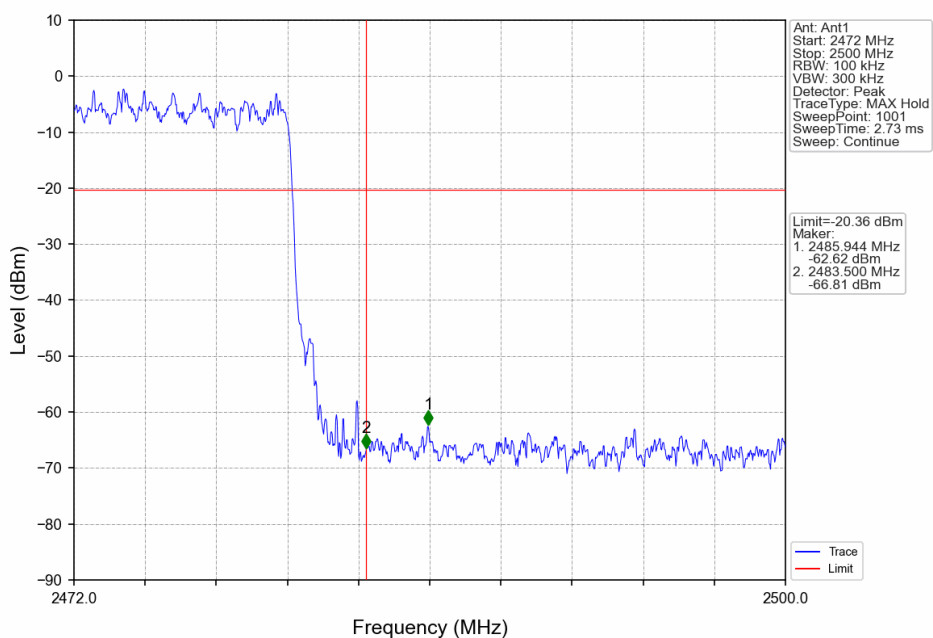
$\pi/4$ -DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



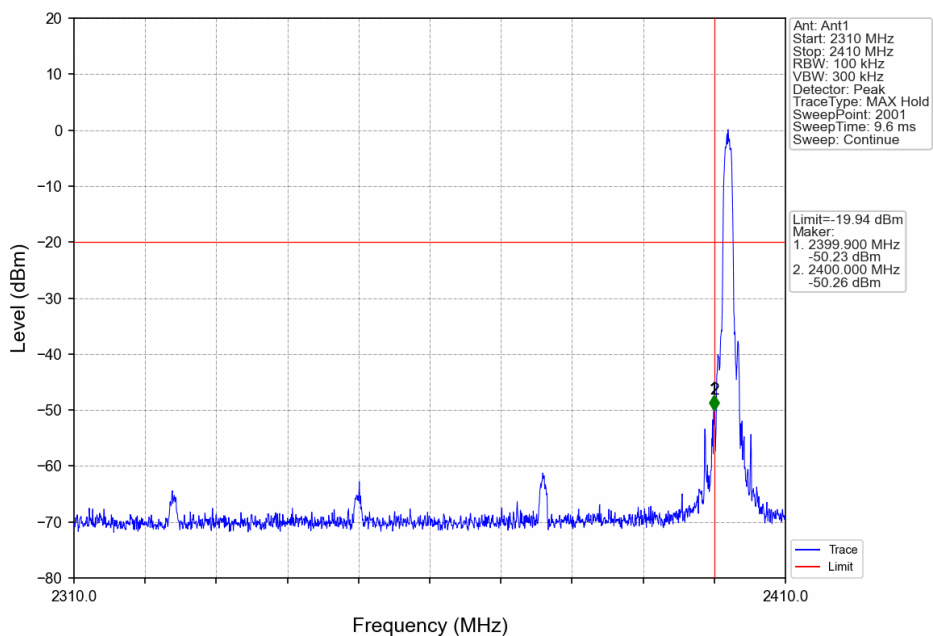
$\pi/4$ -DQPSK_2DH5_HOPP_Ant1_NTNV



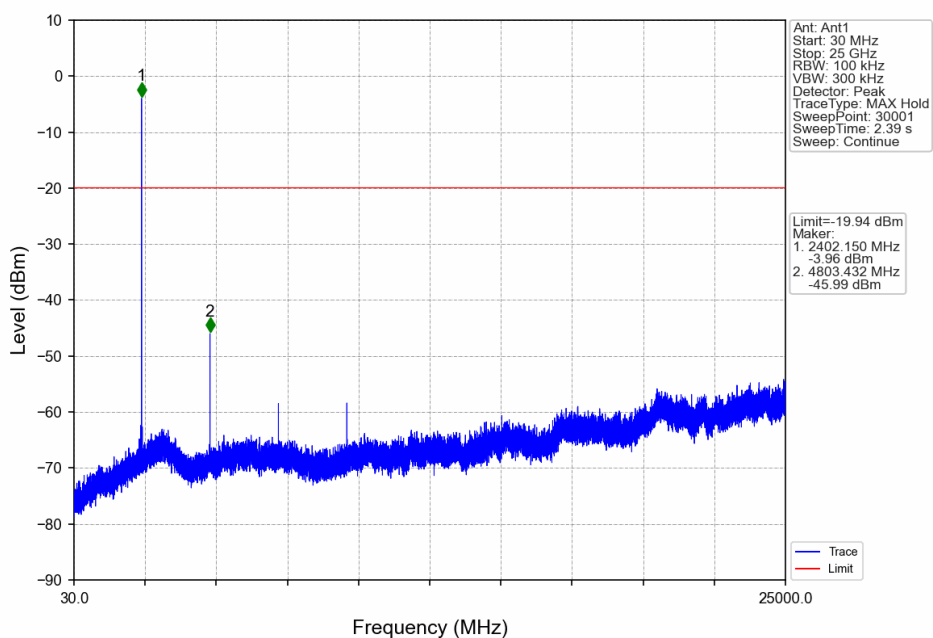
$\pi/4$ -DQPSK_2DH5_HOPP_Ant1_NTNV



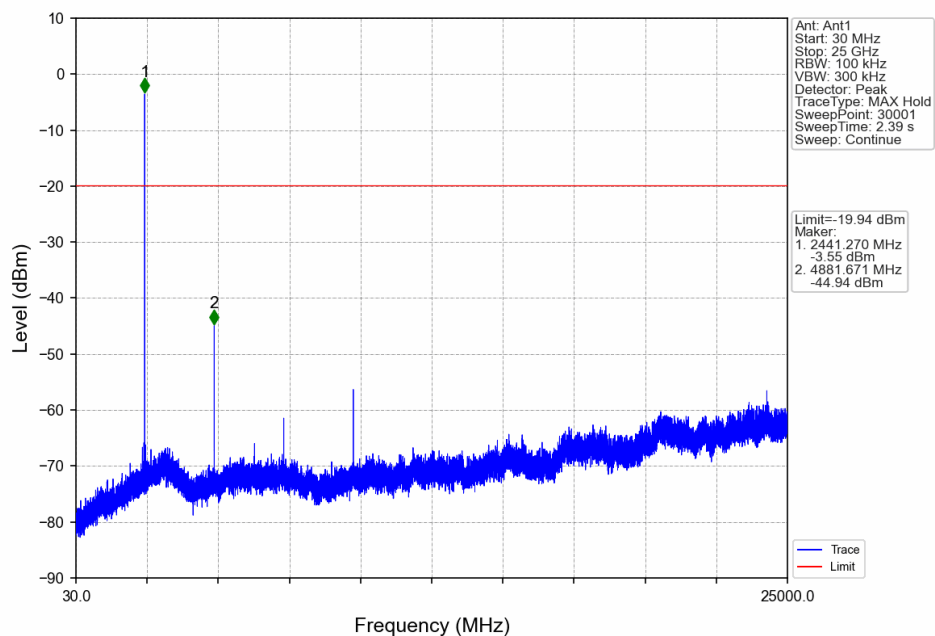
8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



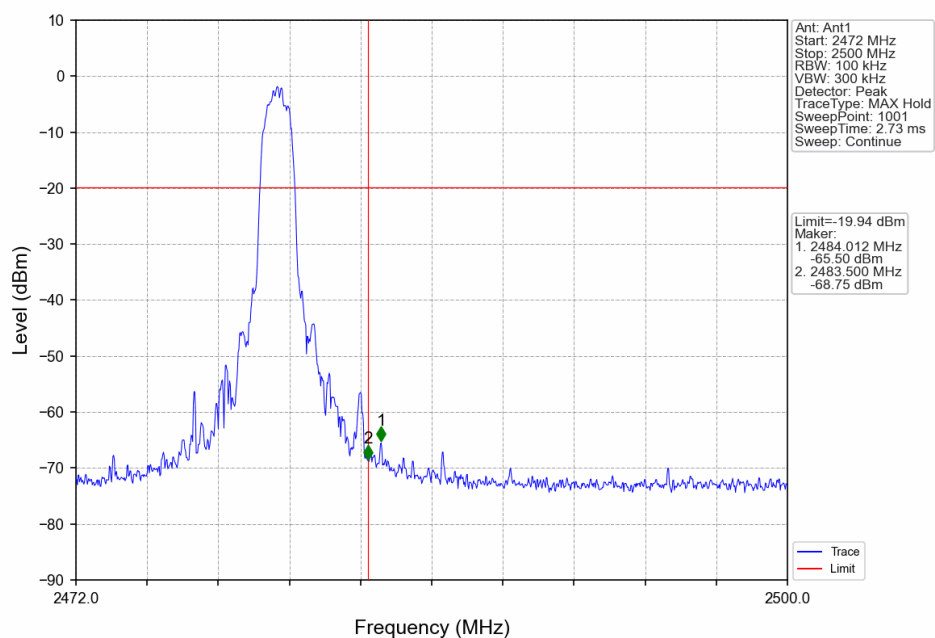
8-DPSK 3DH5 LCH 2402MHz Ant1 NTN



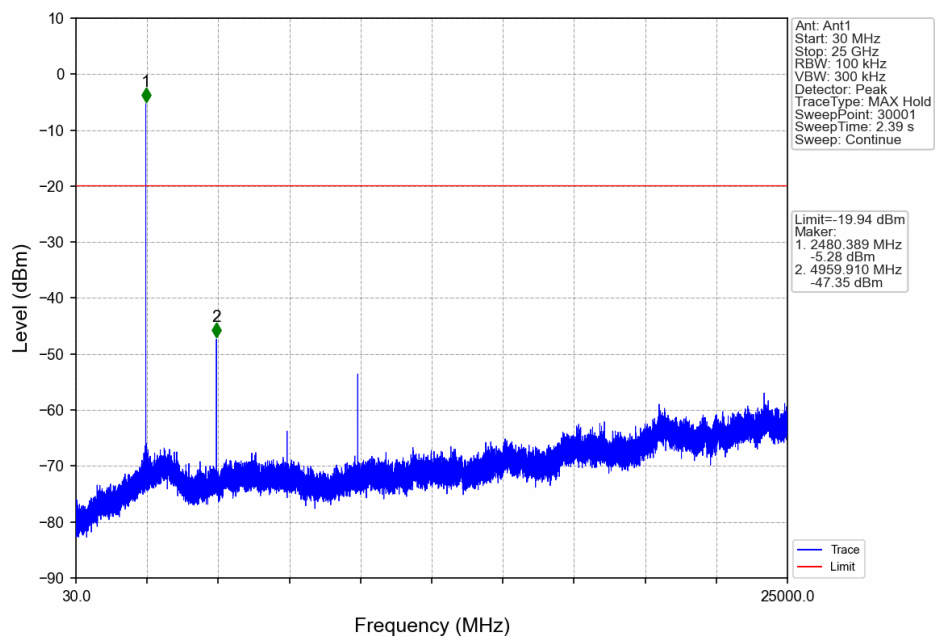
8-DPSK 3DH5_MCH_2441MHz_Ant1_NTNV



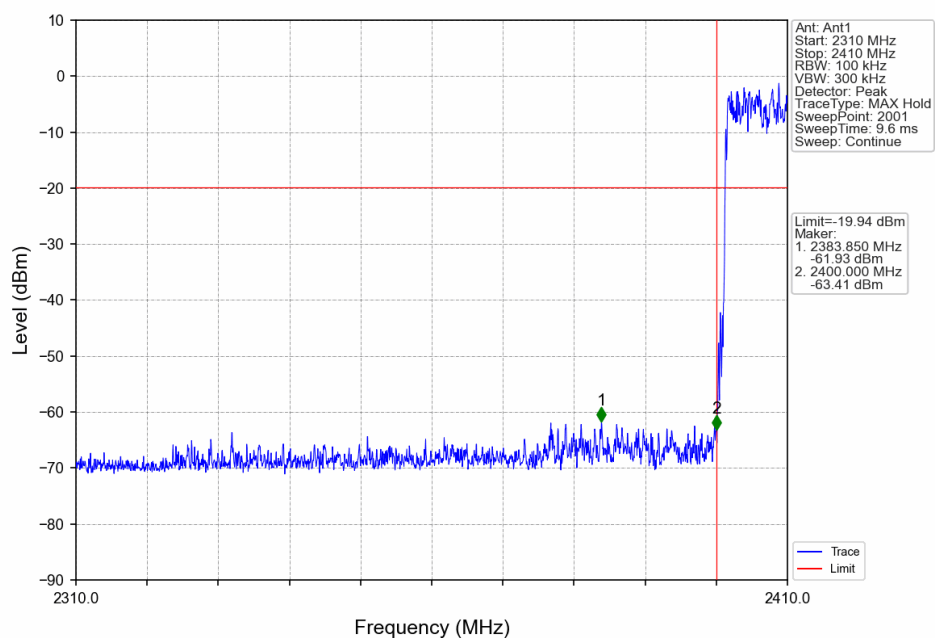
8-DPSK 3DH5_HCH_2480MHz_Ant1_NTNV

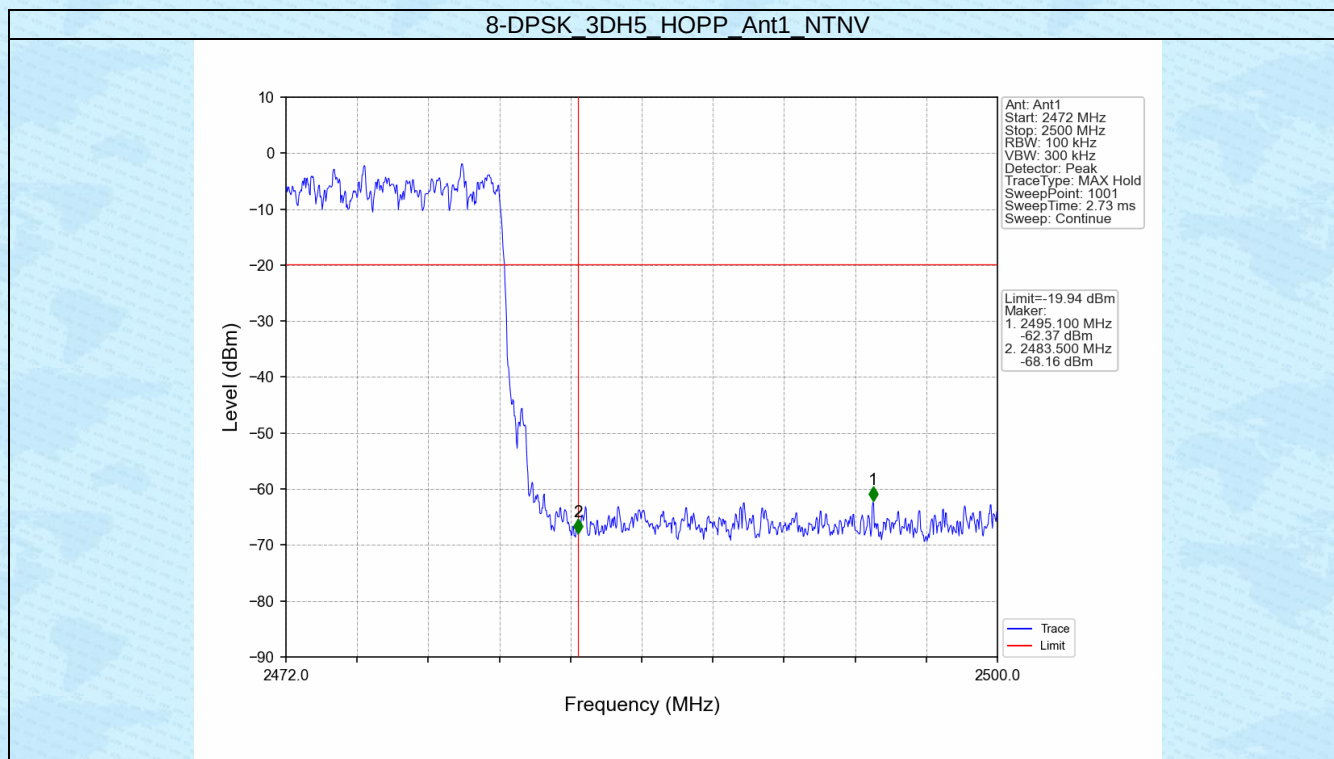


8-DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8-DPSK_3DH5_HOPP_Ant1_NTNV





-----End-----