

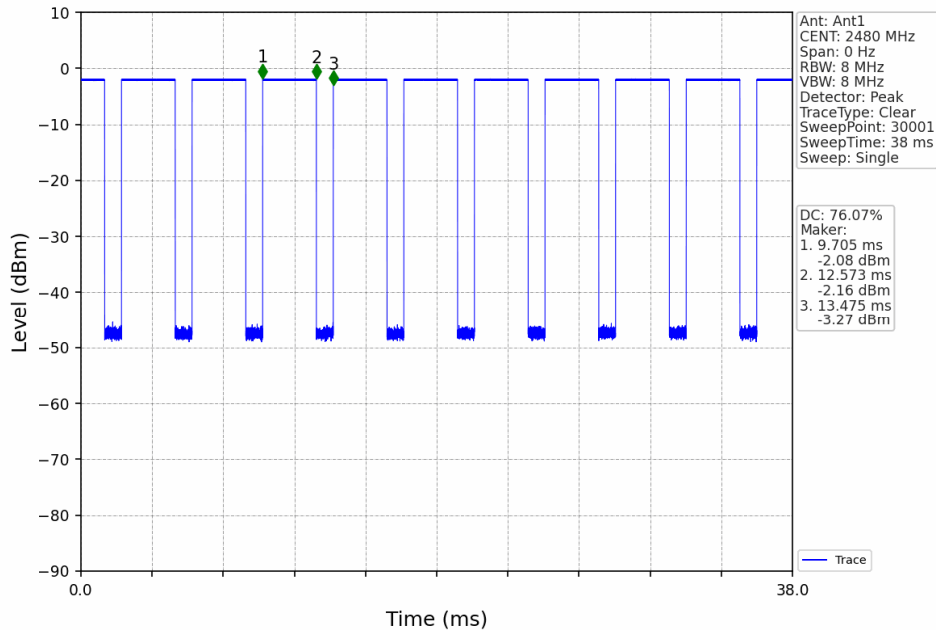
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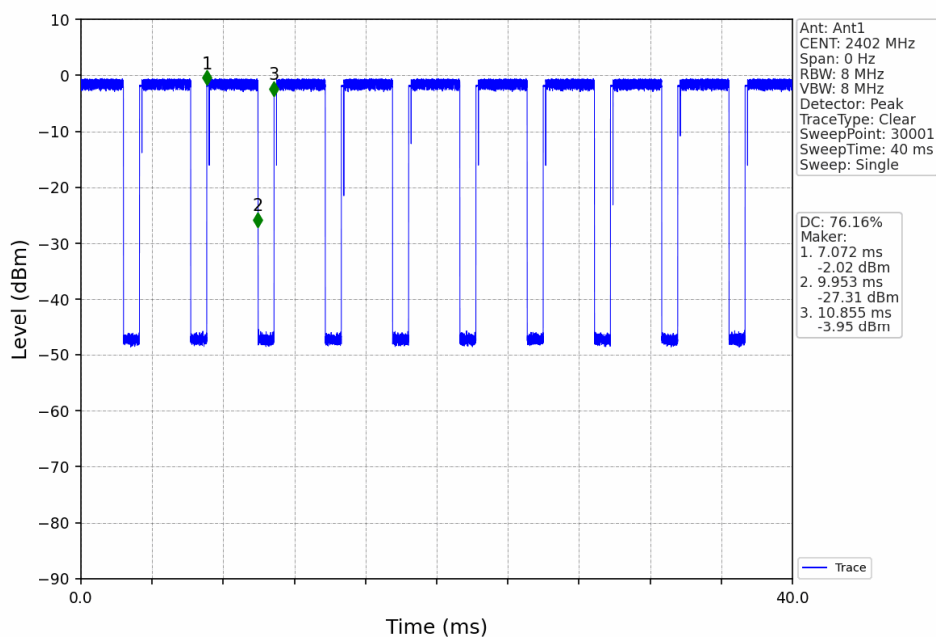
Report No.: FYCR230100002401

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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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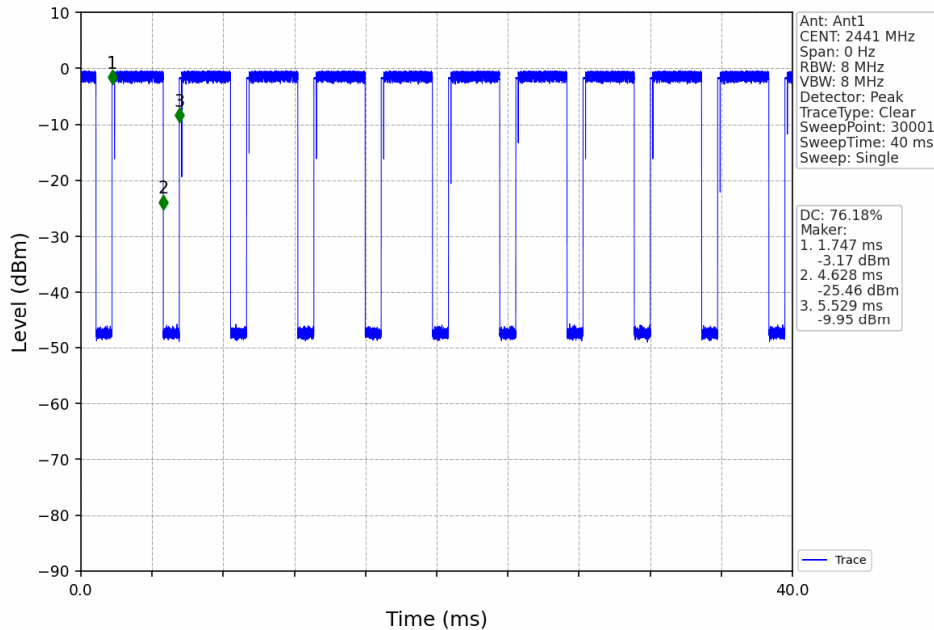
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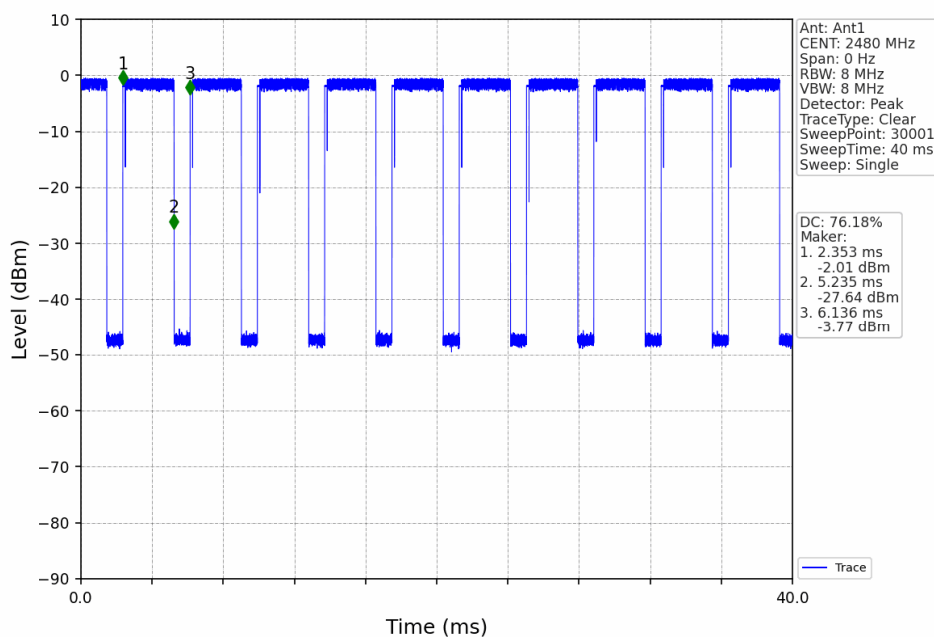
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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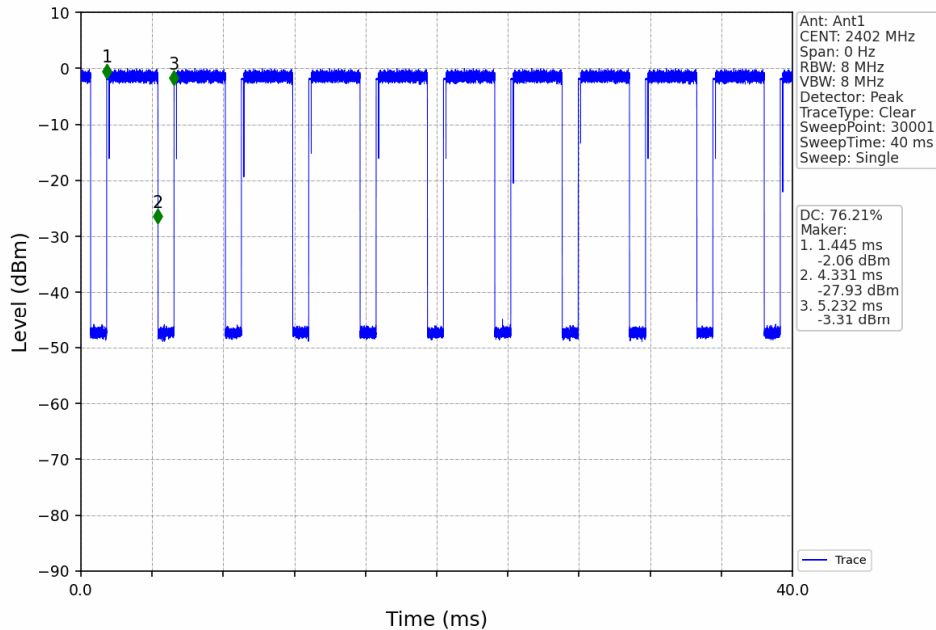
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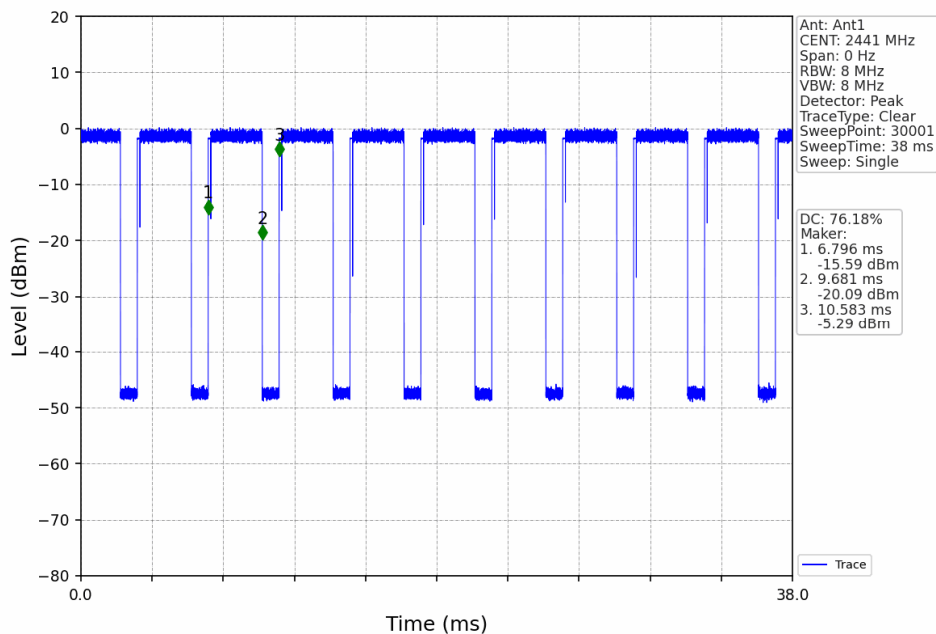
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8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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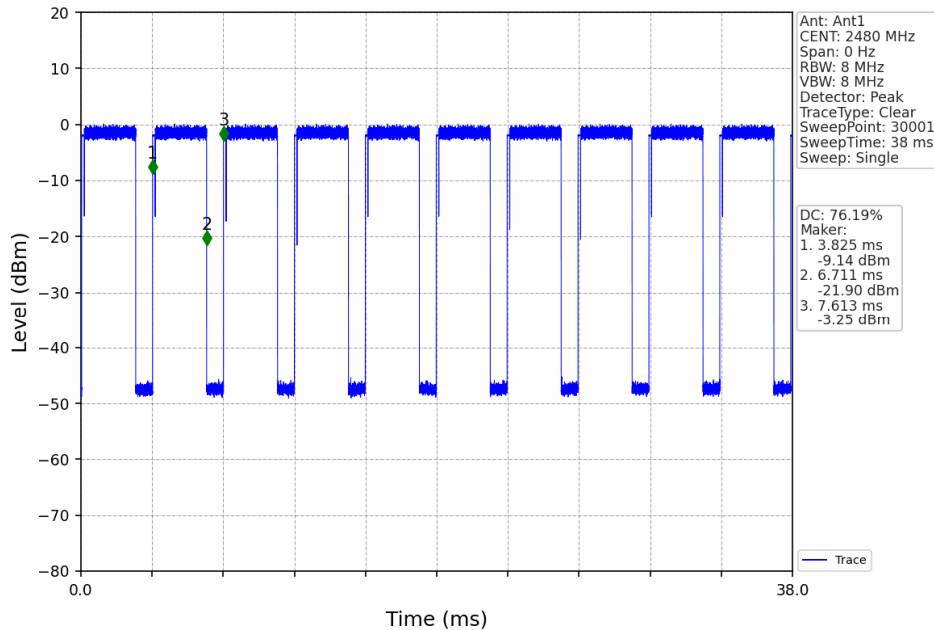
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### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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### 2. Bandwidth

#### 2.1 OBW

##### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.871	Pass
		2441	DH5	1	0.869	Pass
		2480	DH5	1	0.869	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.183	Pass
		2441	2DH5	1	1.178	Pass
		2480	2DH5	1	1.180	Pass
8DPSK	SISO	2402	3DH5	1	1.184	Pass
		2441	3DH5	1	1.184	Pass
		2480	3DH5	1	1.180	Pass



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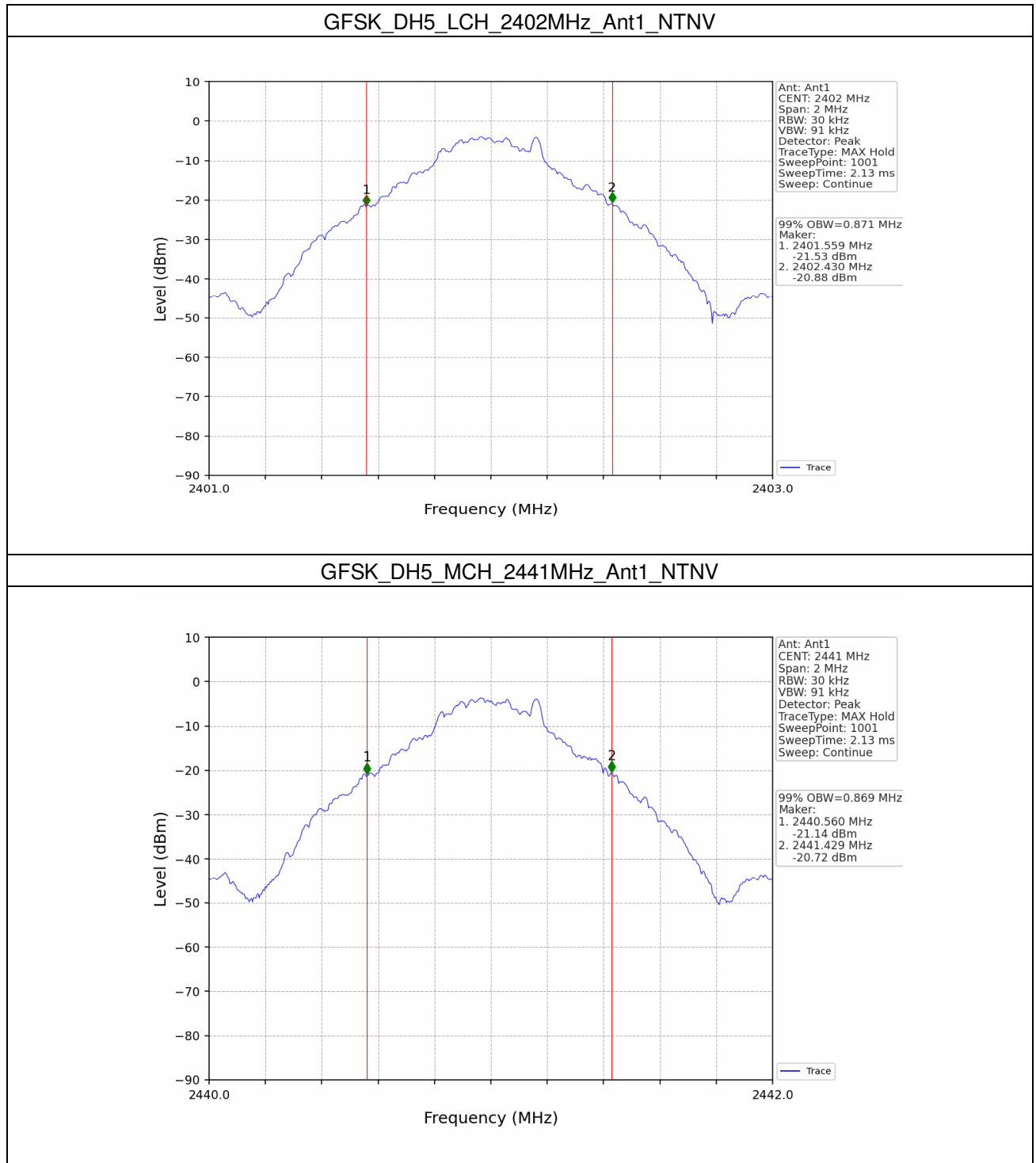
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### 2.1.2 Test Graph



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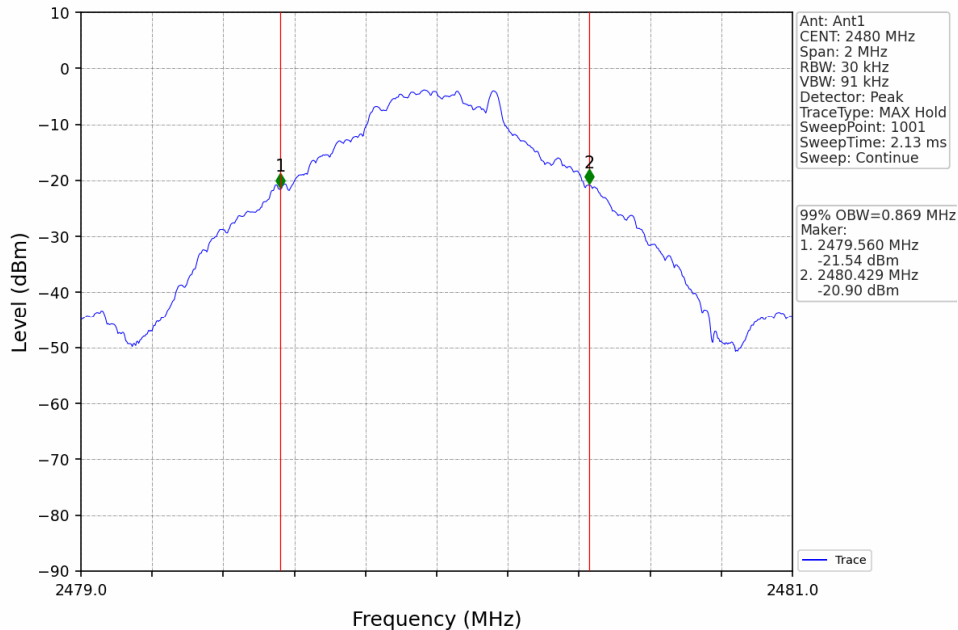
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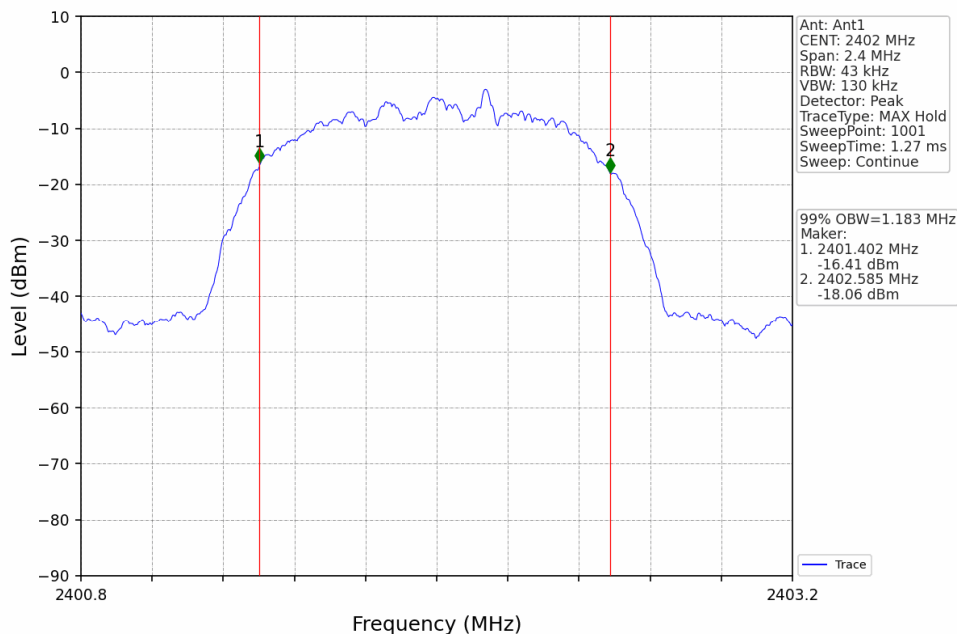
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### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



### Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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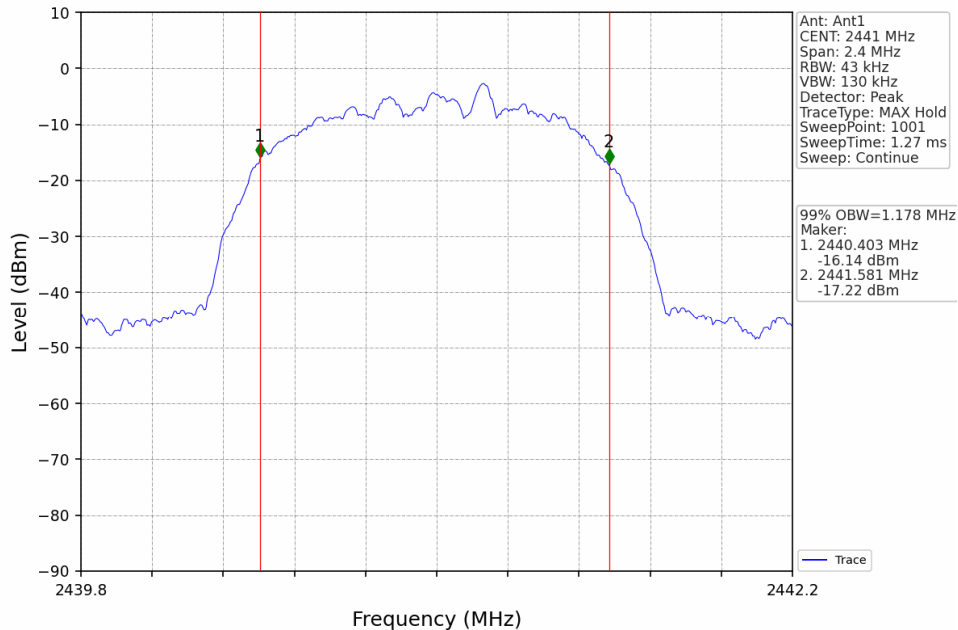
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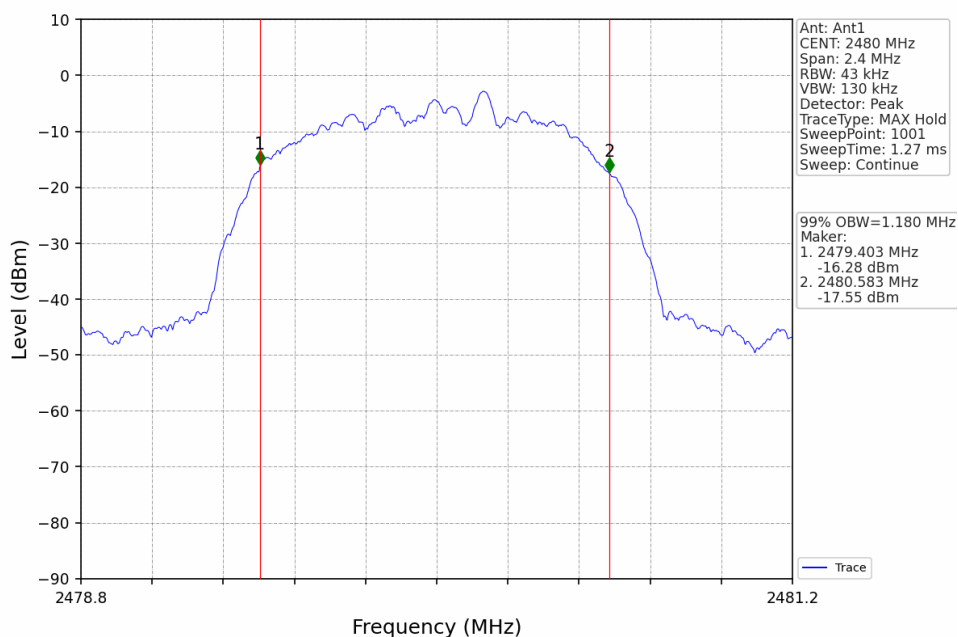
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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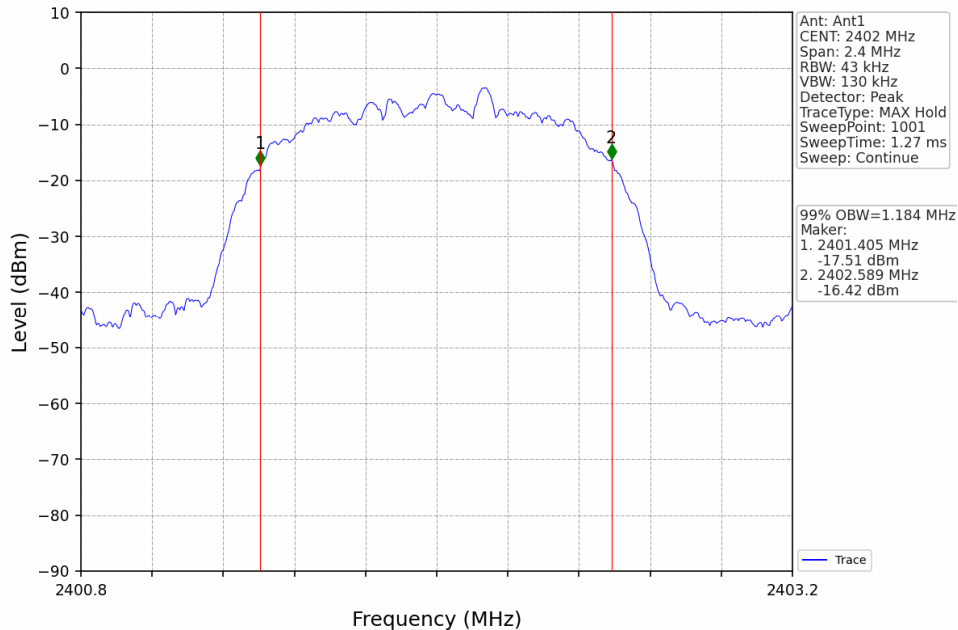
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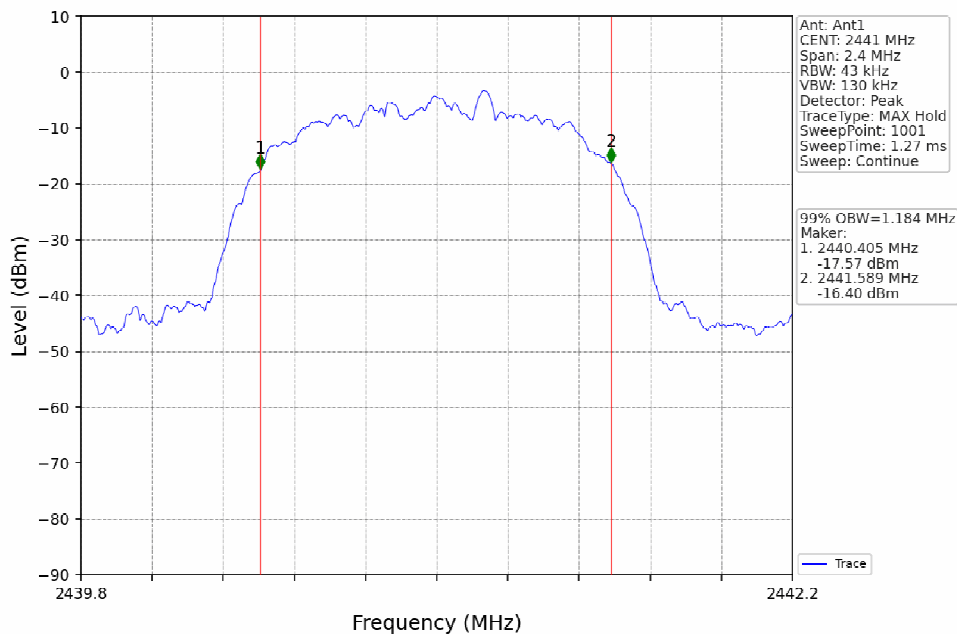
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### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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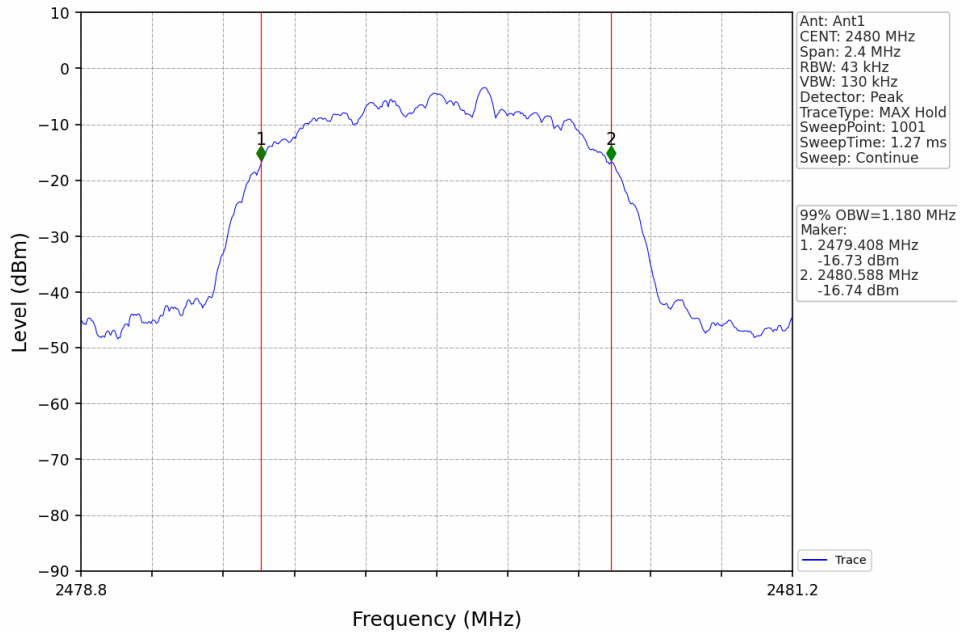
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### 2.2 20dB BW

#### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.970	Pass
		2441	DH5	1	0.968	Pass
		2480	DH5	1	0.967	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.301	Pass
		2441	2DH5	1	1.304	Pass
		2480	2DH5	1	1.295	Pass
8DPSK	SISO	2402	3DH5	1	1.306	Pass
		2441	3DH5	1	1.304	Pass
		2480	3DH5	1	1.305	Pass



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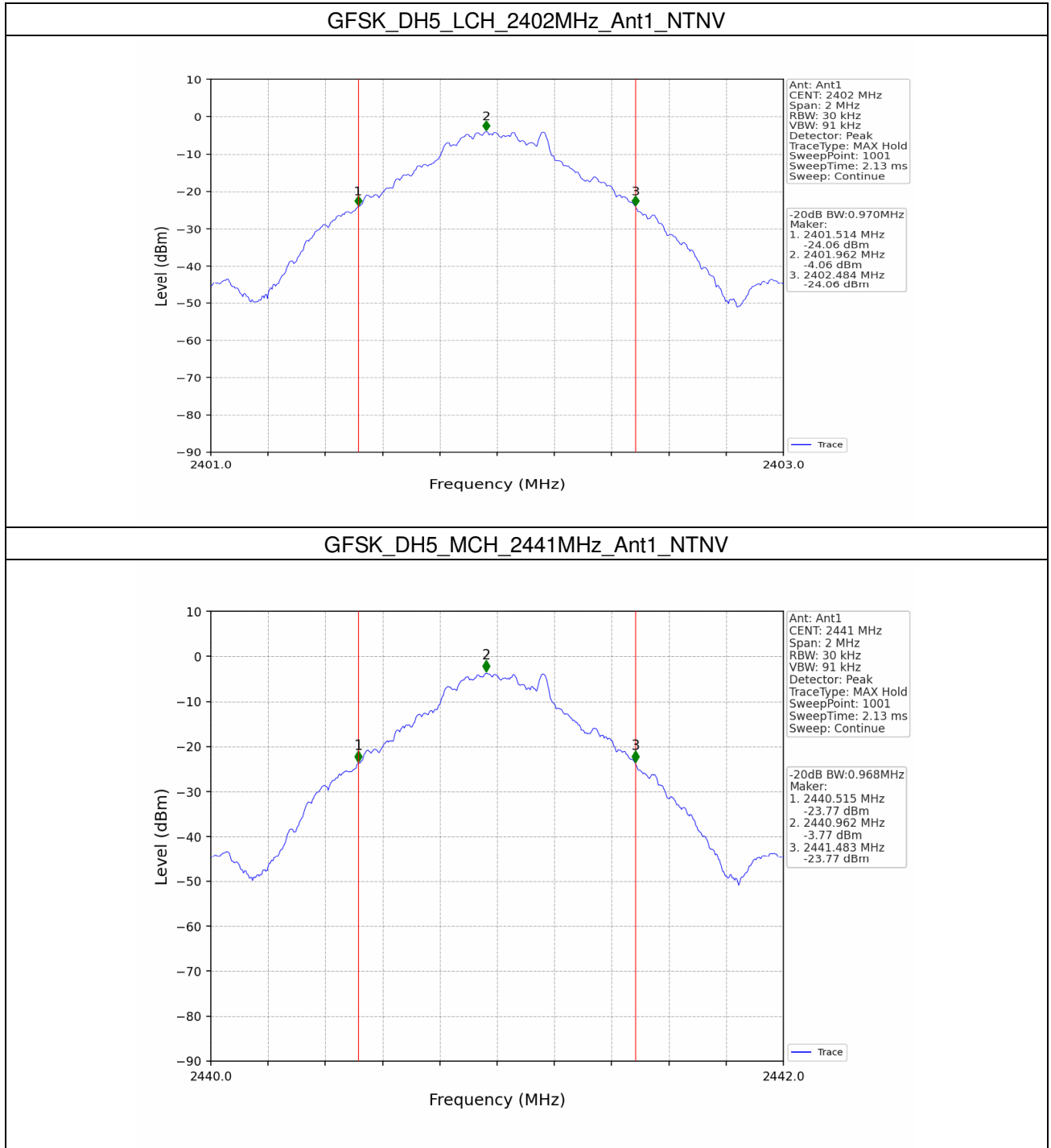
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### 2.2.2 Test Graph



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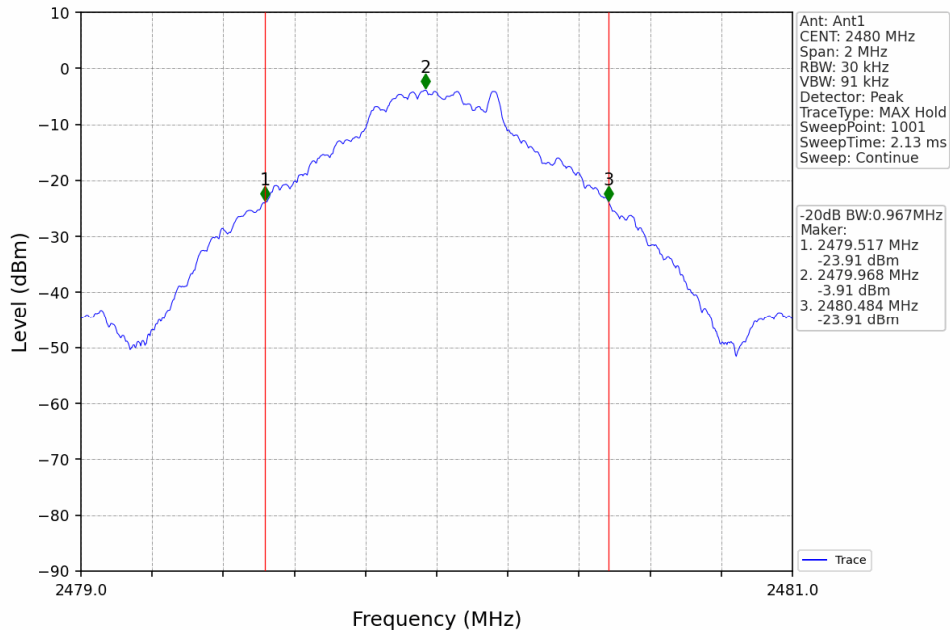
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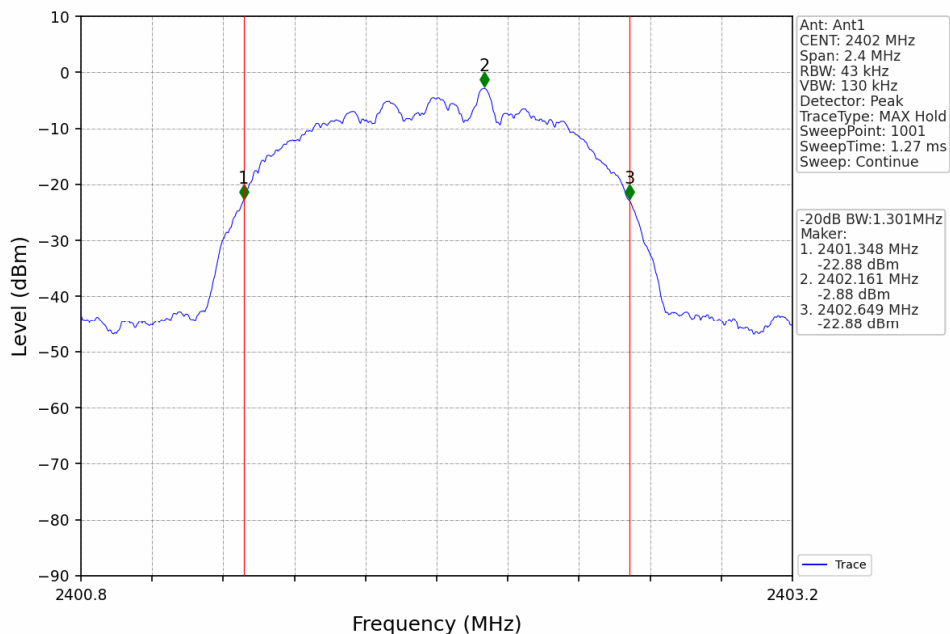
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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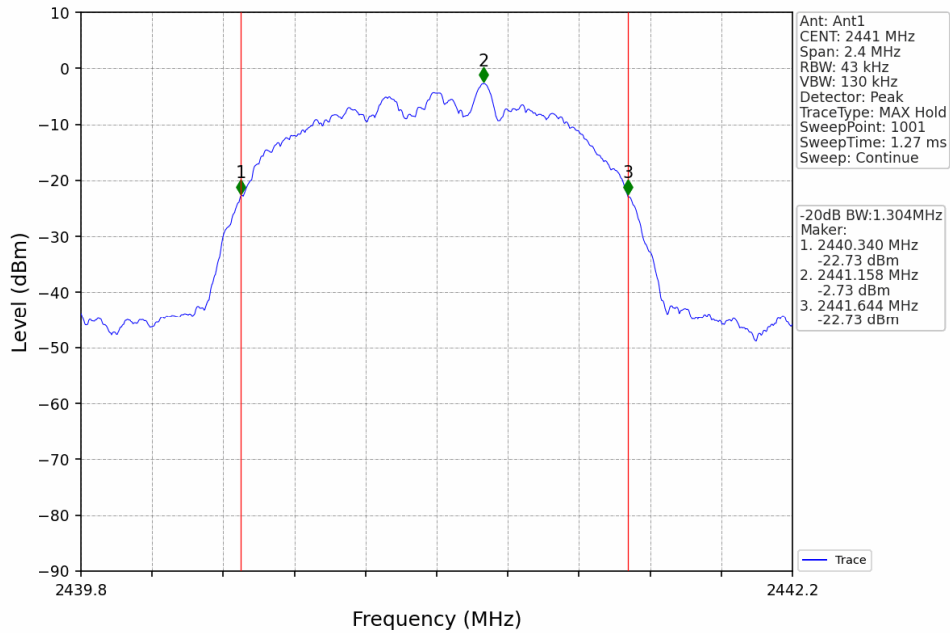
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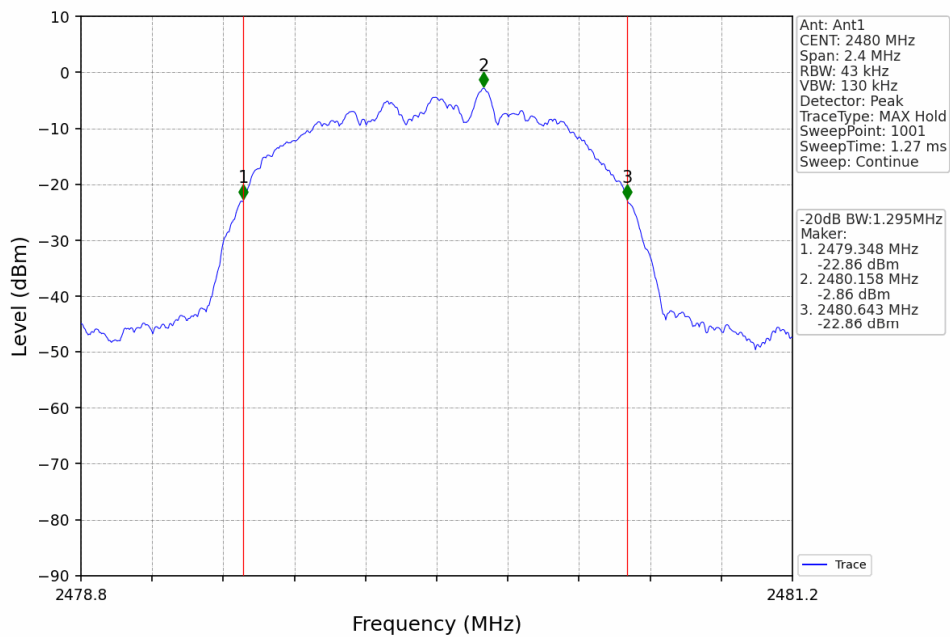
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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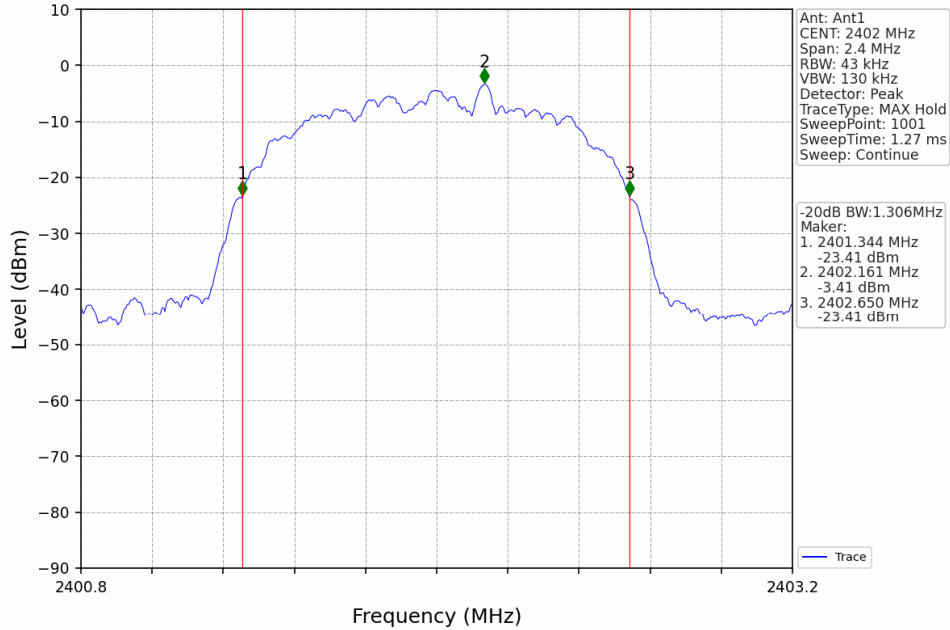
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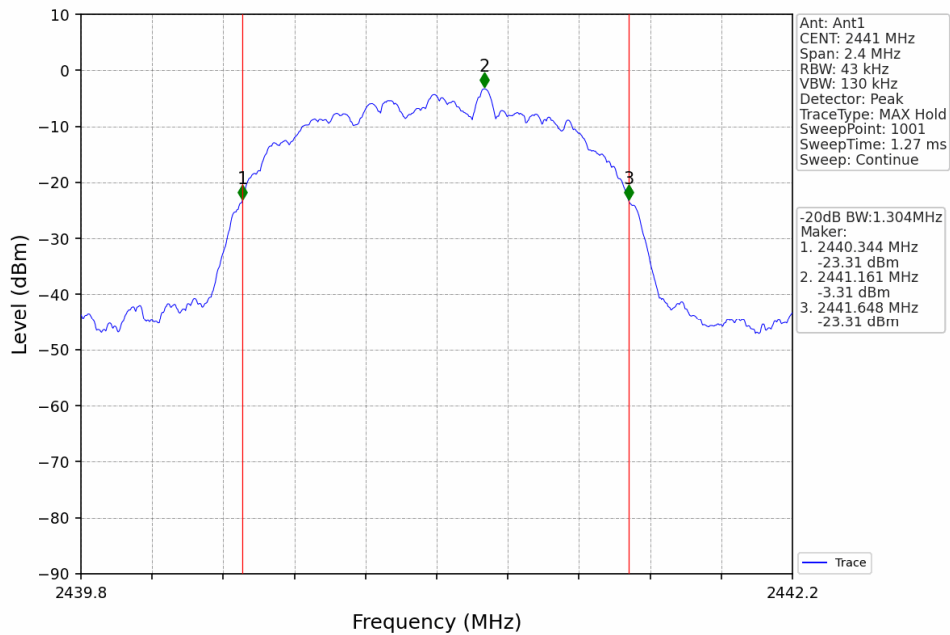
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8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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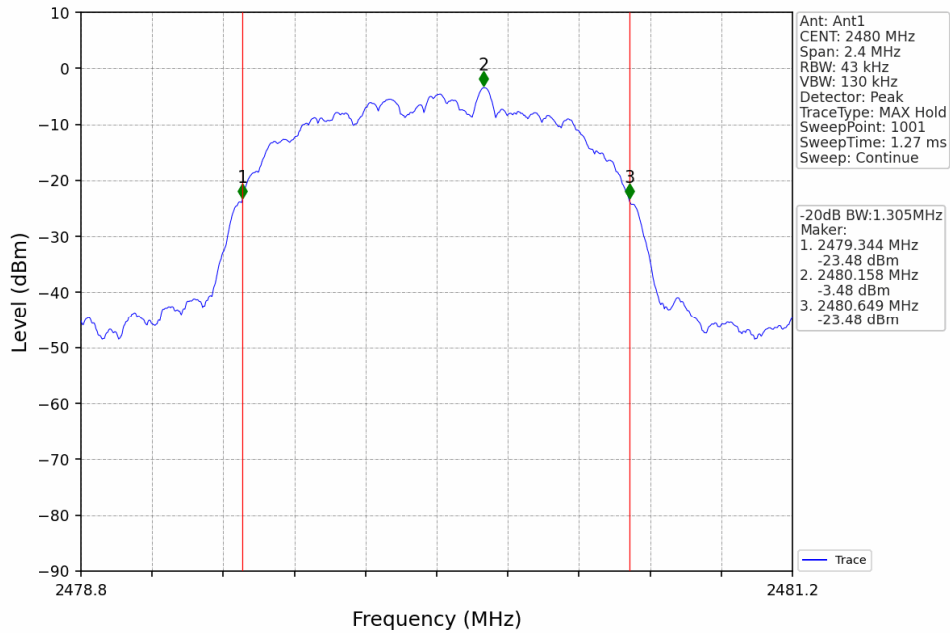
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8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.09	$\leq 30$	Pass
		2441	DH5	-1.86	$\leq 30$	Pass
		2480	DH5	-2.00	$\leq 30$	Pass
Pi/4DQPSK	SISO	2402	2DH5	-0.69	$\leq 20.97$	Pass
		2441	2DH5	-0.55	$\leq 20.97$	Pass
		2480	2DH5	-0.63	$\leq 20.97$	Pass
8DPSK	SISO	2402	3DH5	-0.21	$\leq 20.97$	Pass
		2441	3DH5	-0.05	$\leq 20.97$	Pass
		2480	3DH5	-0.12	$\leq 20.97$	Pass

### 4. Carrier Frequency Separation

#### 4.1 Ant1

##### 4.1.1 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	0.970	$\geq 0.97$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.996	1.304	$\geq 0.869$	Pass
8DPSK	SISO	HOPP	3DH5	1.006	1.306	$\geq 0.871$	Pass



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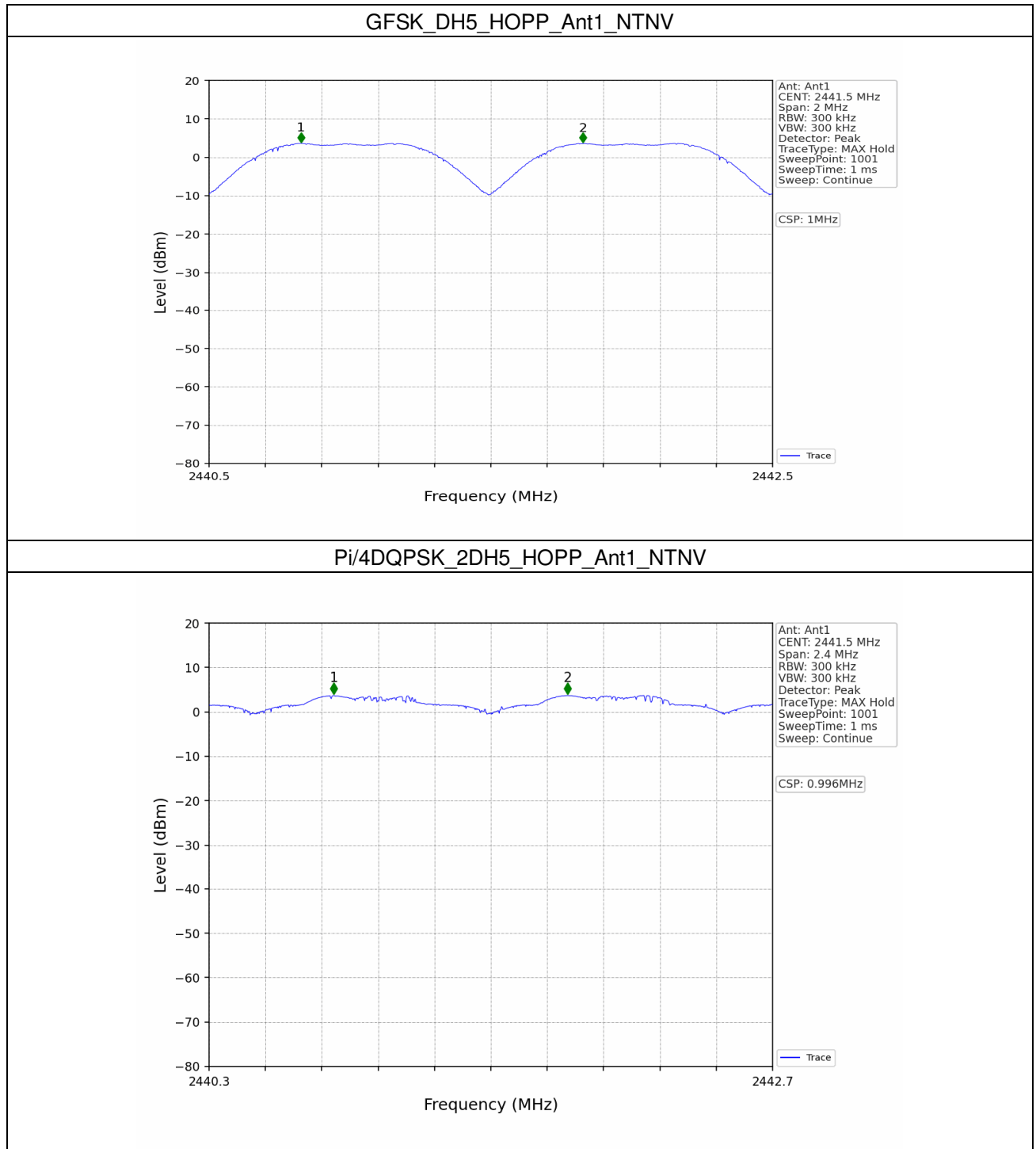
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### 4.1.2 Test Graph



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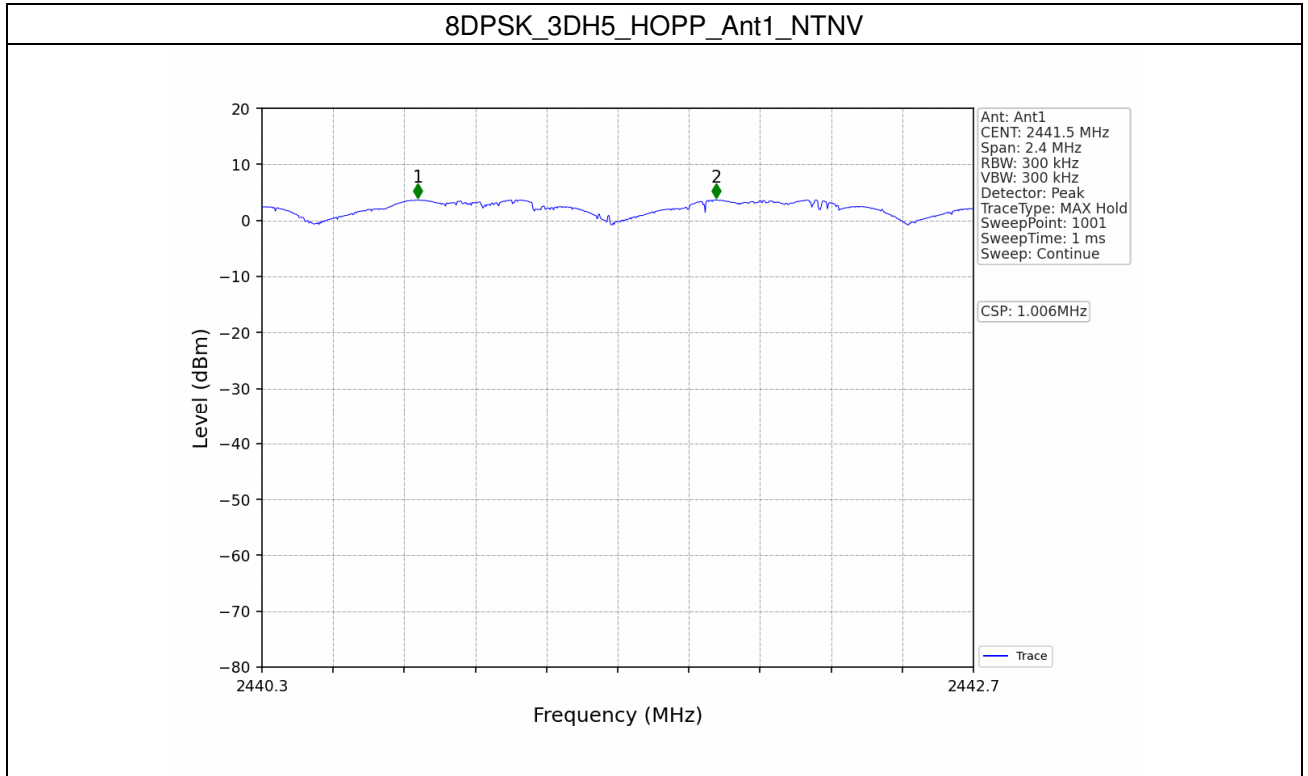
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## 5. Number of Hopping Frequencies

### 5.1 HoppNum

#### 5.1.1 Test Result

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



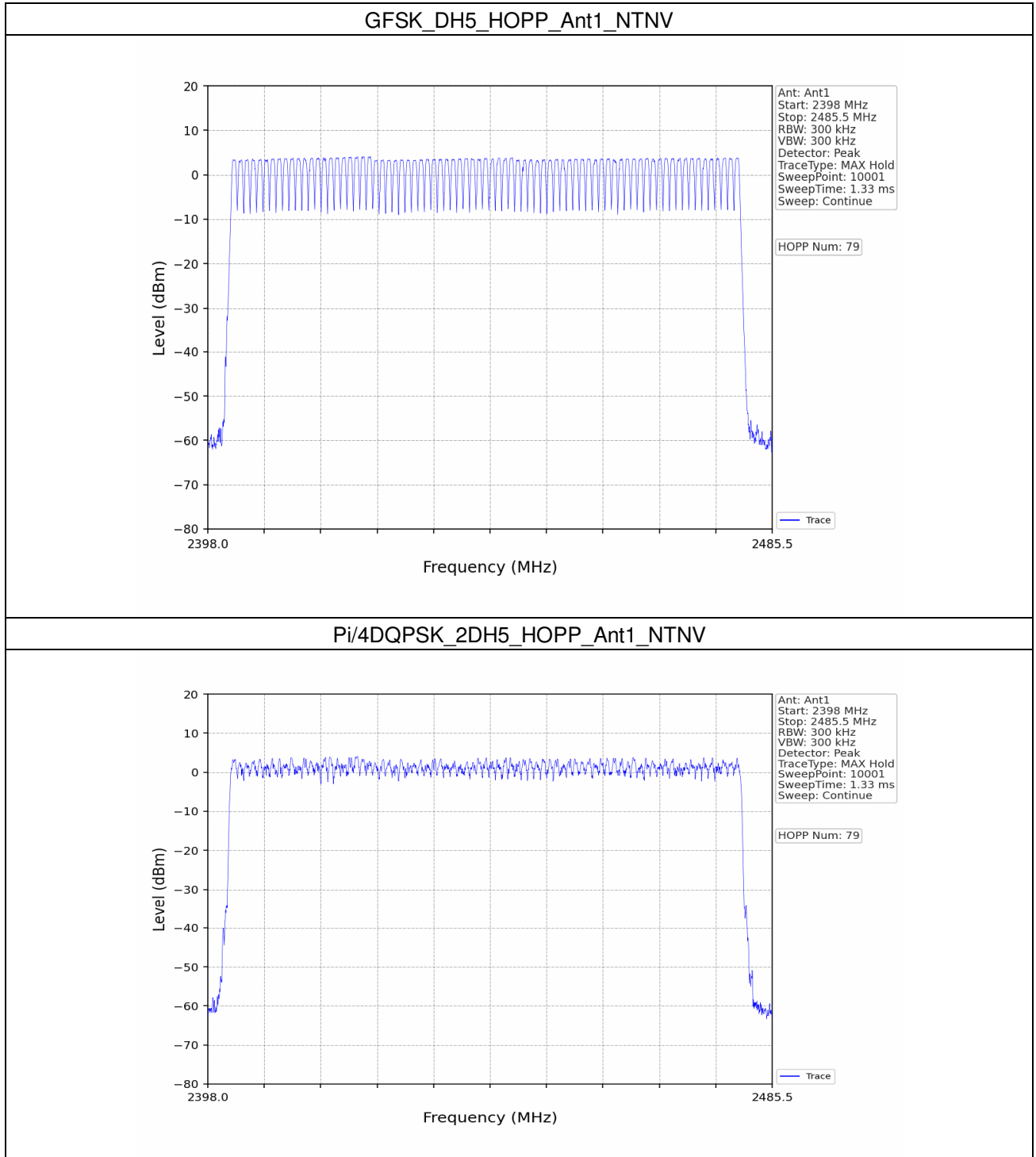
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### 5.1.2 Test Graph



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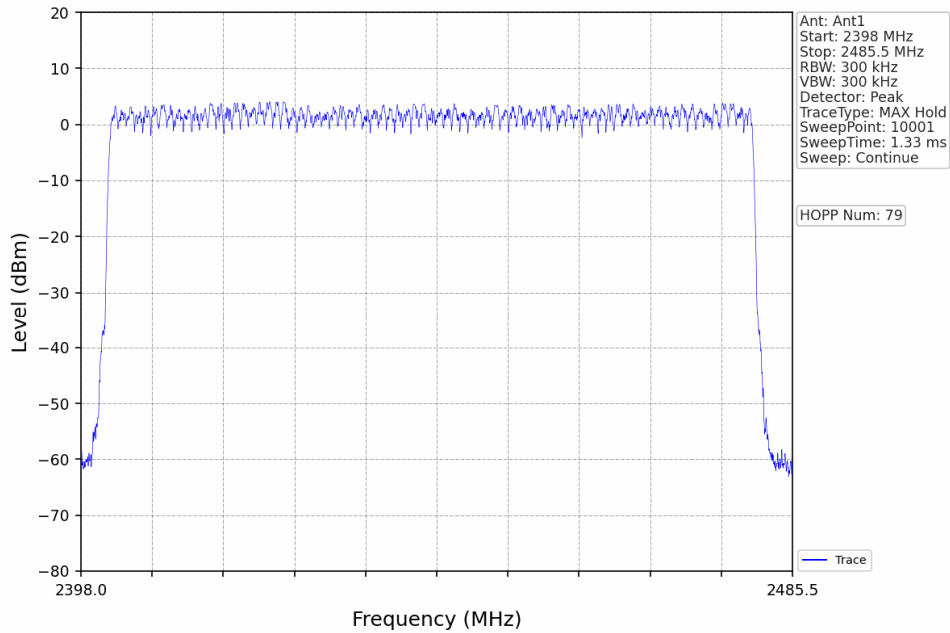
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8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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### 6. Time of Occupancy (Dwell Time)

#### 6.1 Ant1

##### 6.1.1 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	0.394	31.600	319	125.686	<=400	Pass
			DH3	1.650	31.600	161	265.650	<=400	Pass
			DH5	2.898	31.600	119	344.862	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.402	31.600	320	128.640	<=400	Pass
			2DH3	1.648	31.600	156	257.088	<=400	Pass
			2DH5	2.896	31.600	107	309.872	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.404	31.600	321	129.684	<=400	Pass
			3DH3	1.648	31.600	157	258.736	<=400	Pass
			3DH5	2.906	31.600	93	270.258	<=400	Pass



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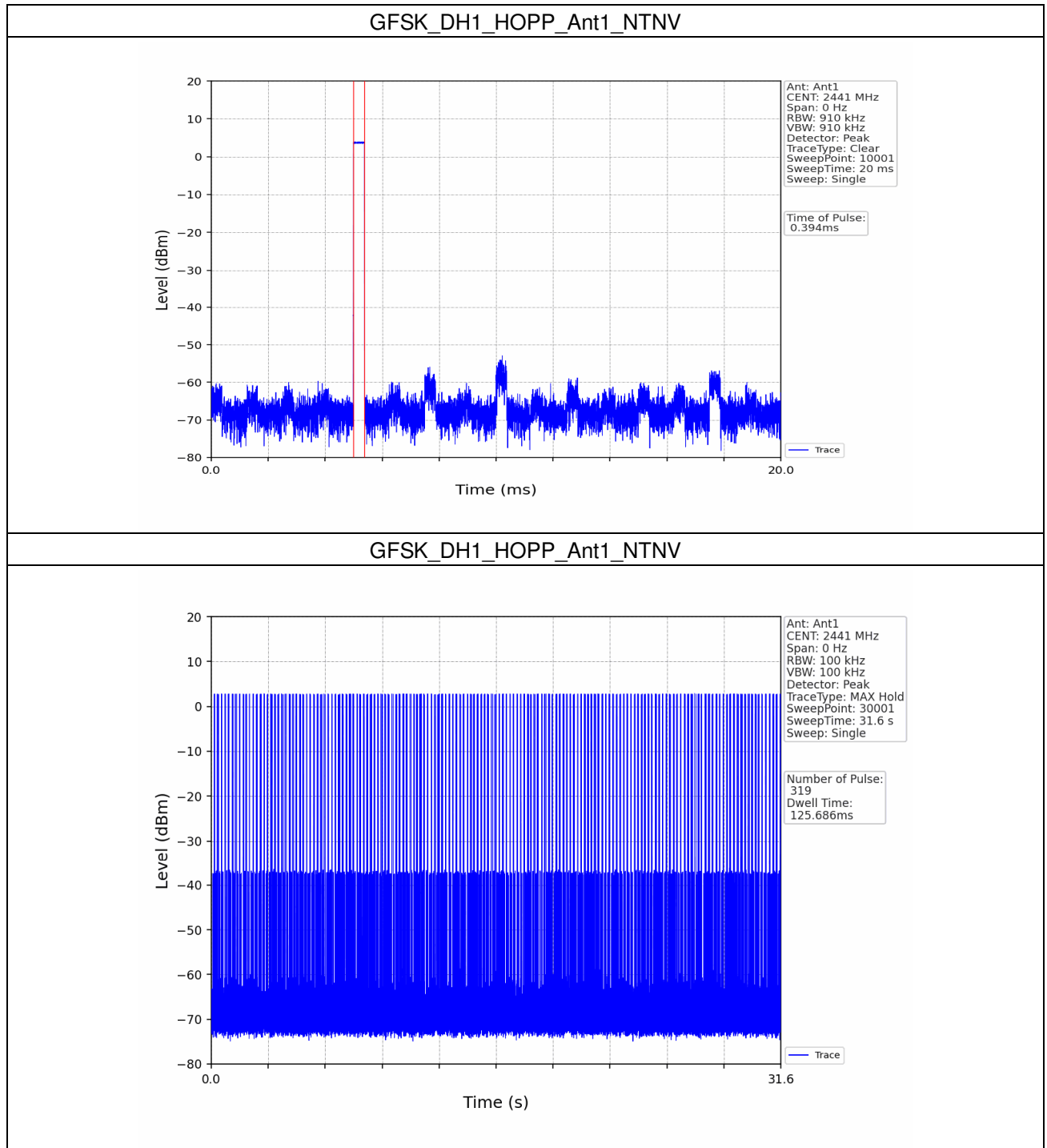
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### 6.1.2 Test Graph



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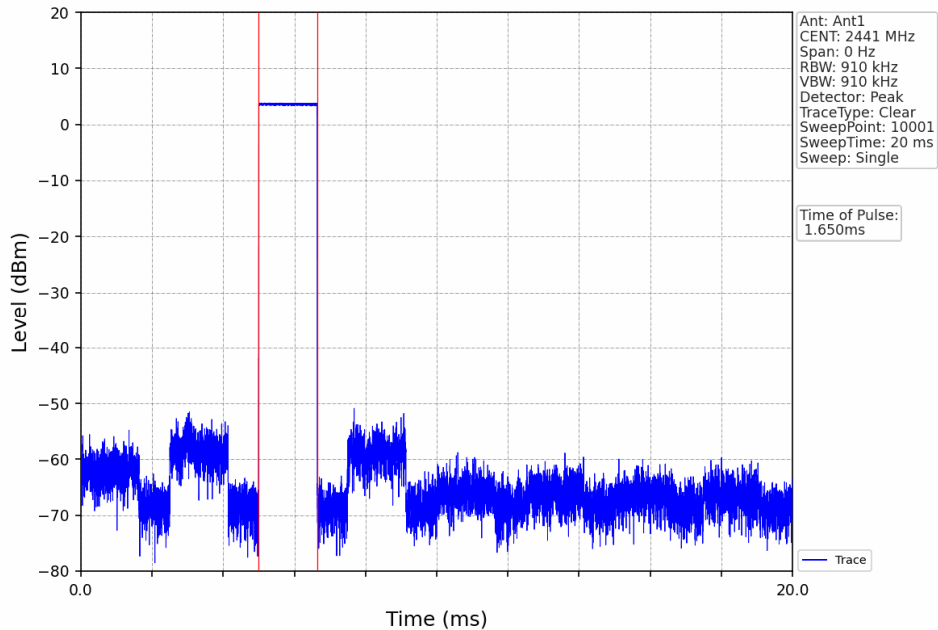
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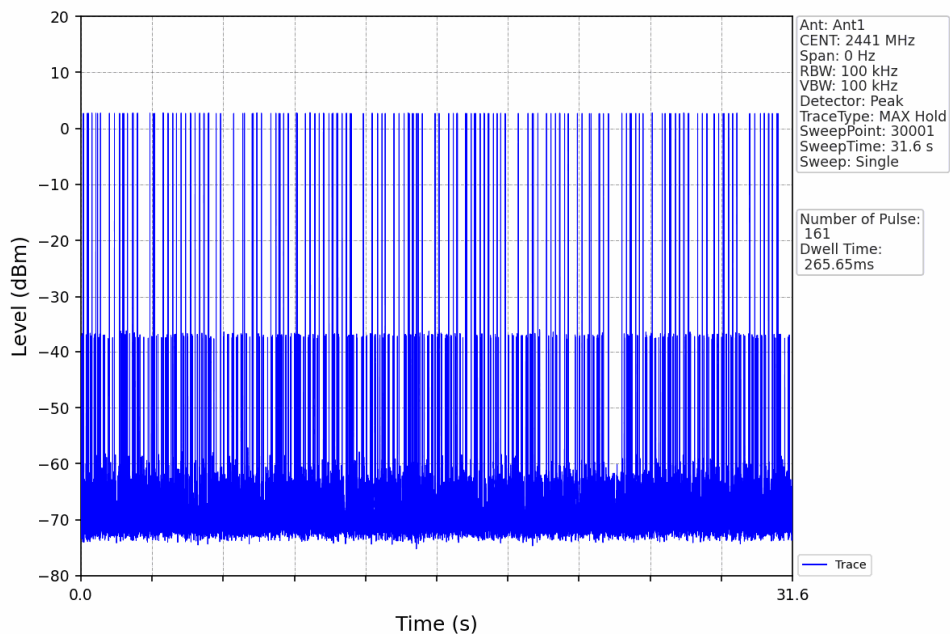
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GFSK\_DH3\_HOPP\_Ant1\_NTNV



GFSK\_DH3\_HOPP\_Ant1\_NTNV



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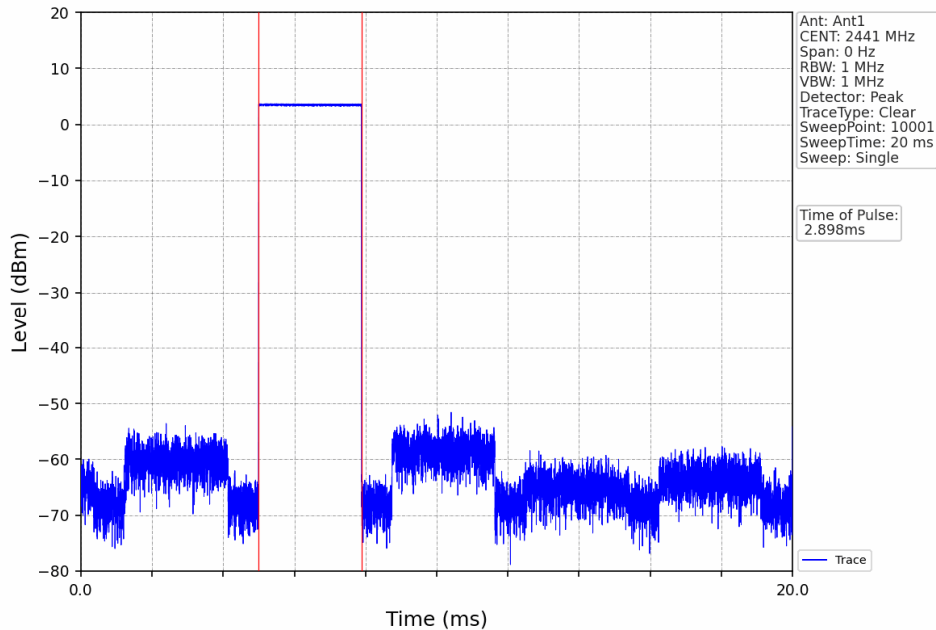
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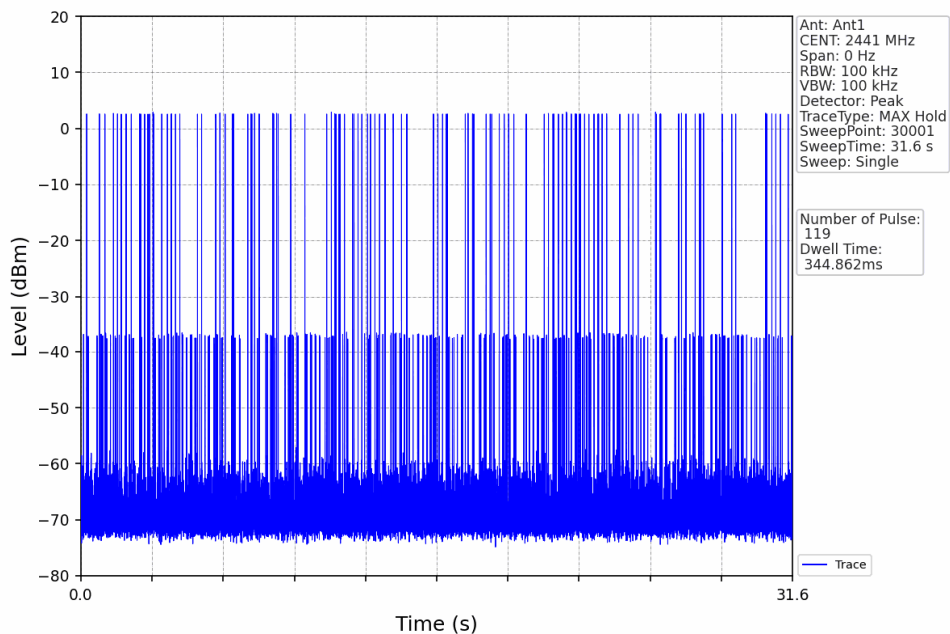
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GFSK\_DH5\_HOPP\_Ant1\_NTNV



GFSK\_DH5\_HOPP\_Ant1\_NTNV



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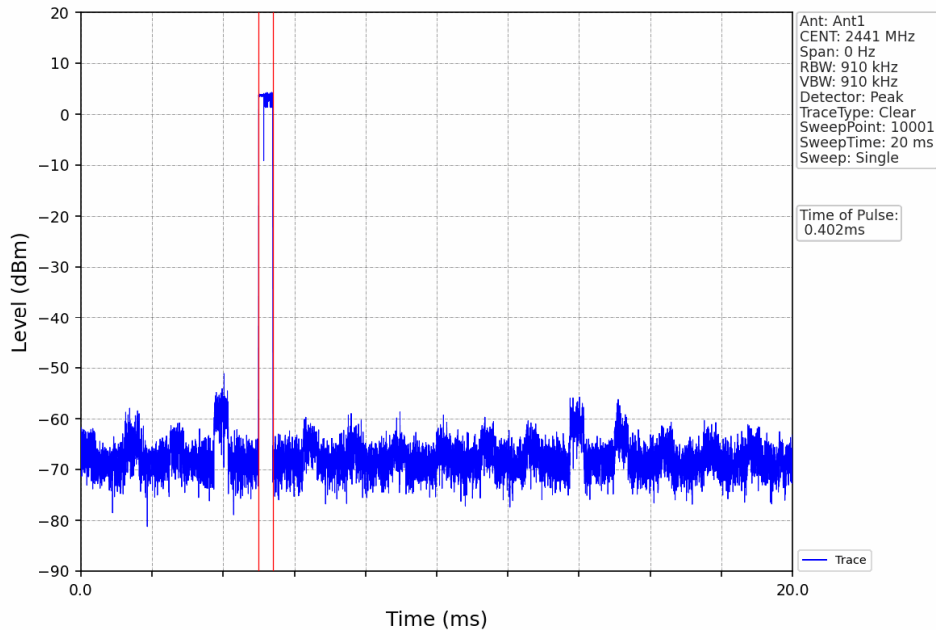
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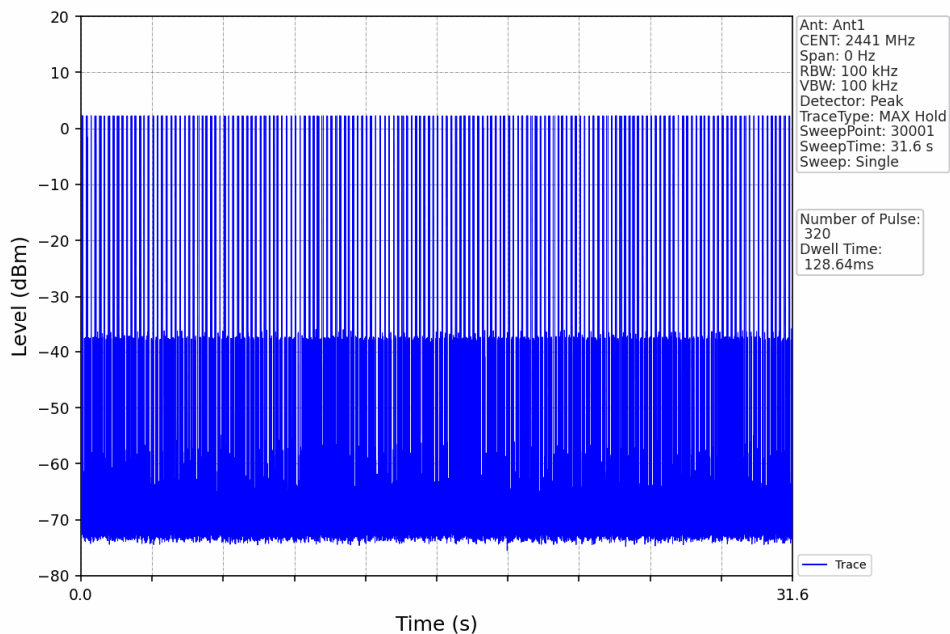
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Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV



Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV



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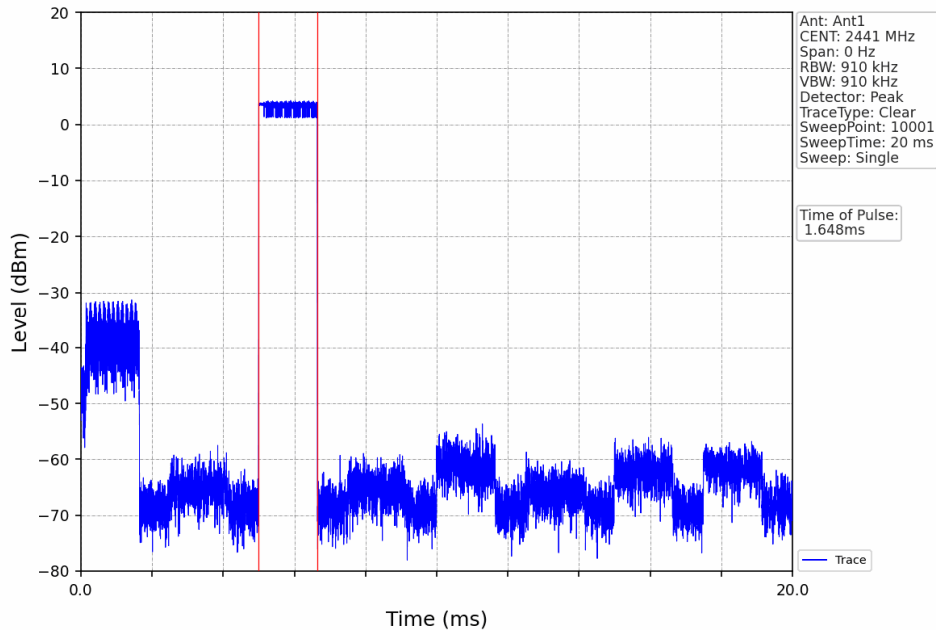
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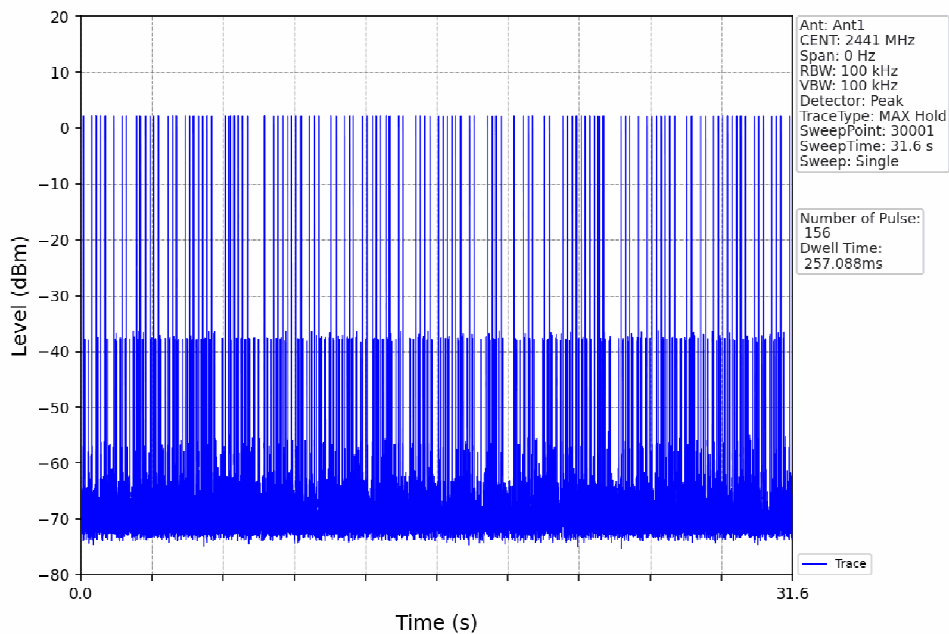
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Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



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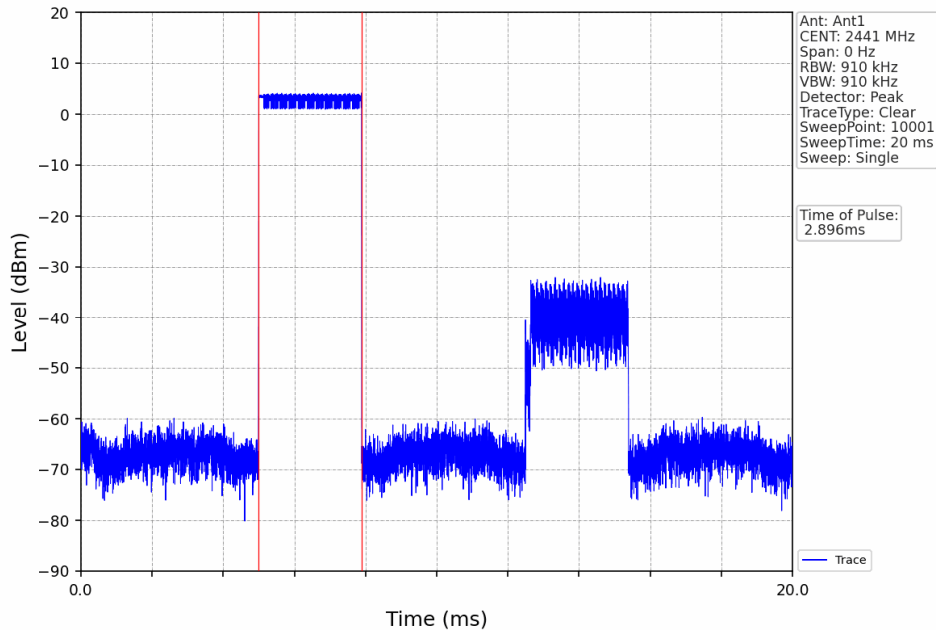
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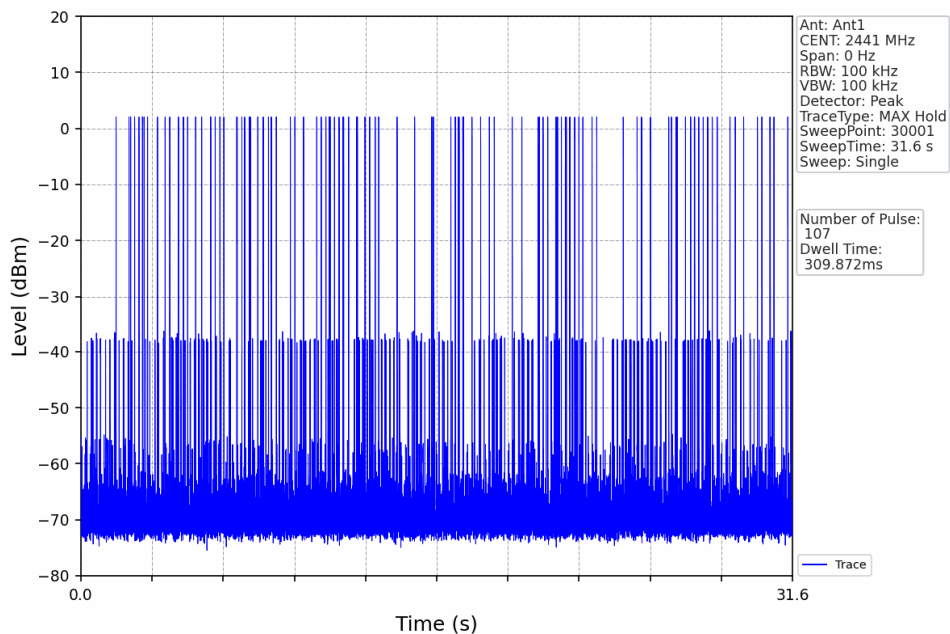
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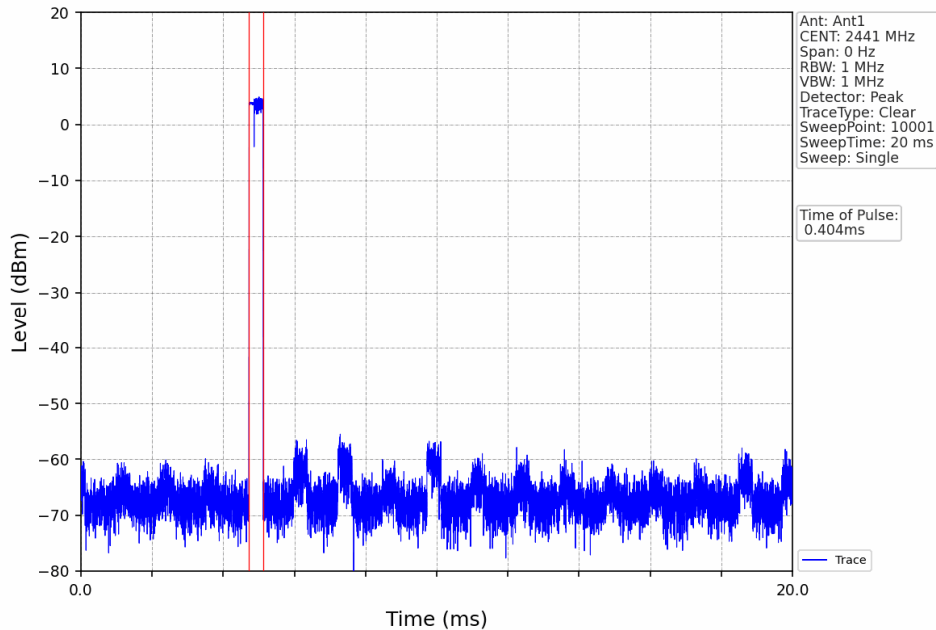
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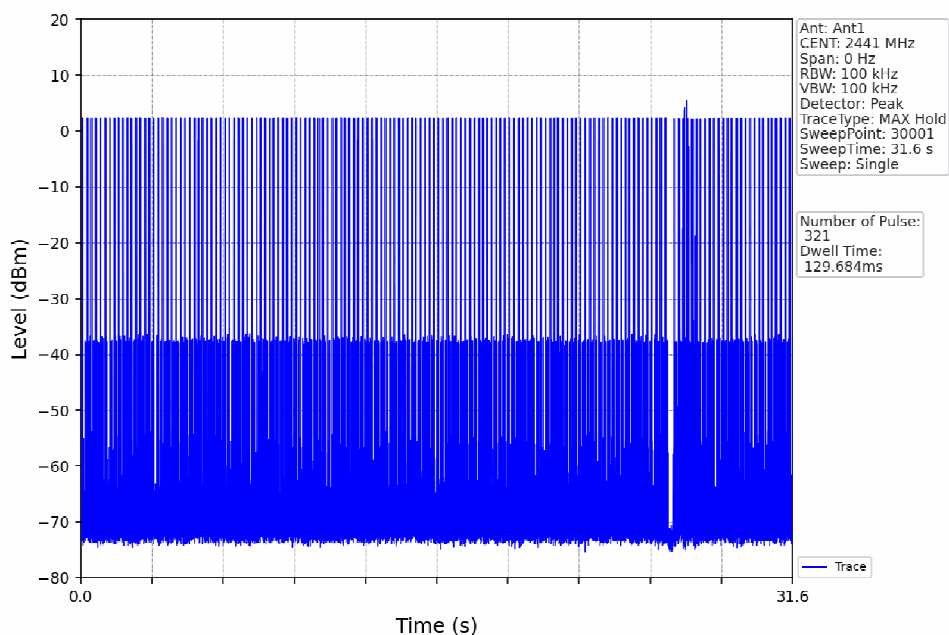
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8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



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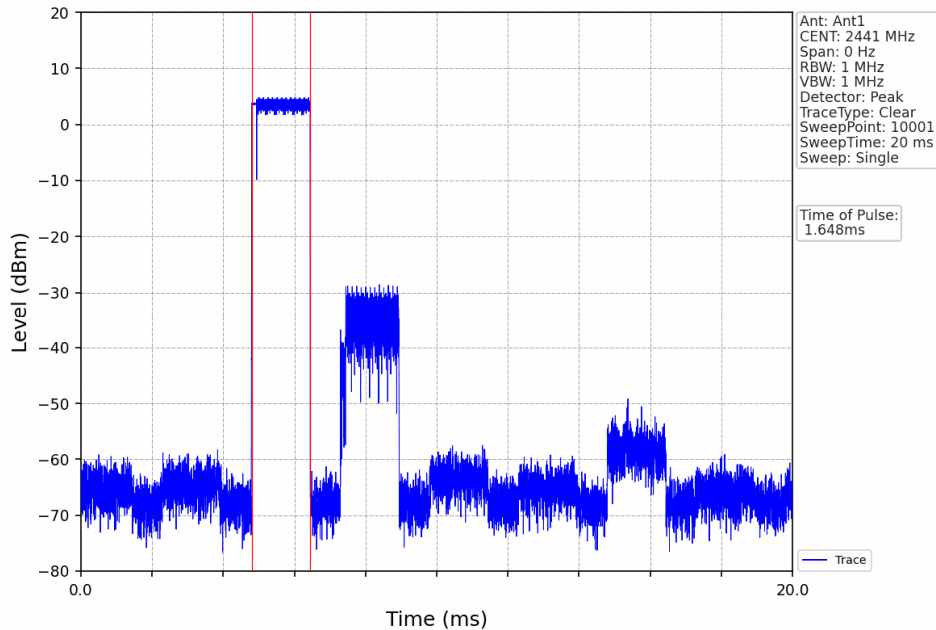
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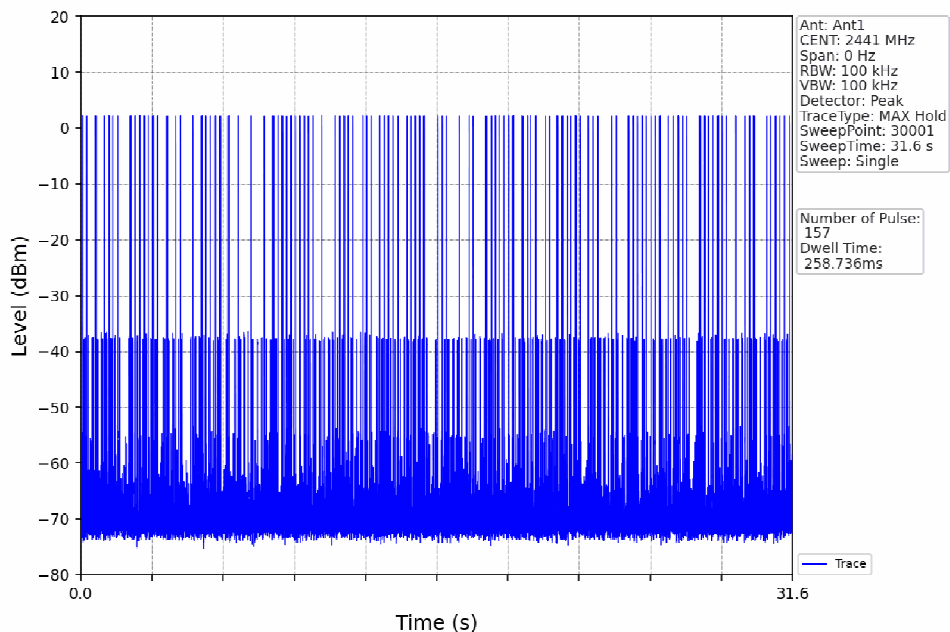
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8DPSK\_3DH3\_HOPP\_Ant1\_NTNV



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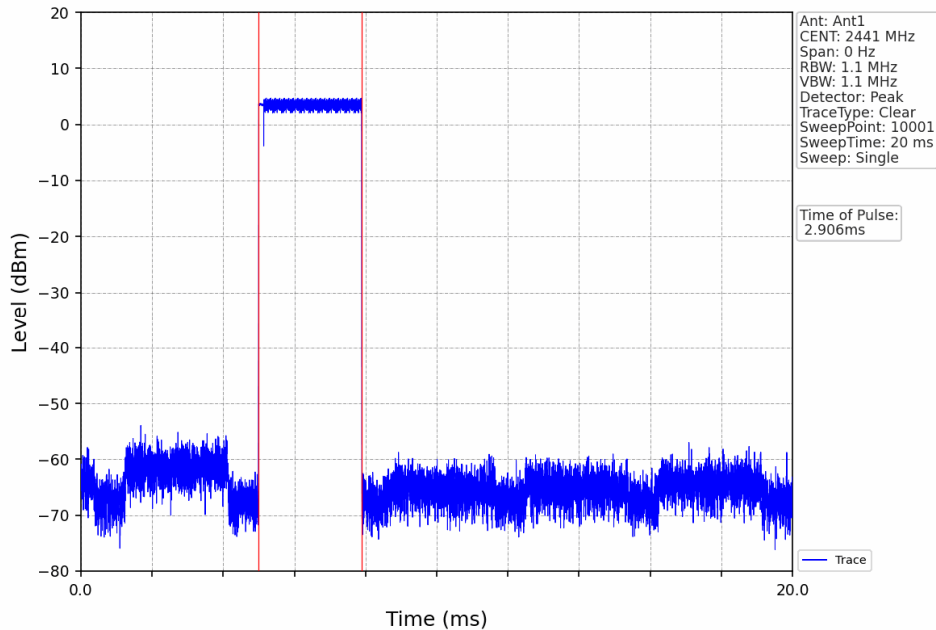
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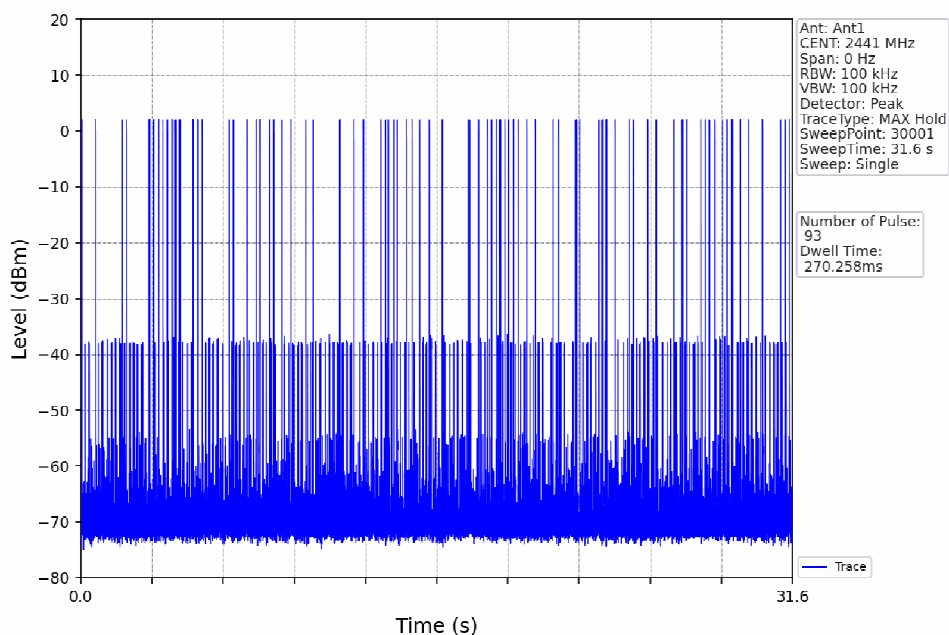
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8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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### 7. Unwanted Emissions In Non-restricted Frequency Bands

#### 7.1 Ref

##### 7.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-2.34
		2441	DH5	1	-2.10
		2480	DH5	1	-2.38
Pi/4DQPSK	SISO	2402	2DH5	1	-2.07
		2441	2DH5	1	-2.04
		2480	2DH5	1	-2.05
8DPSK	SISO	2402	3DH5	1	-2.15
		2441	3DH5	1	-2.24
		2480	3DH5	1	-2.18



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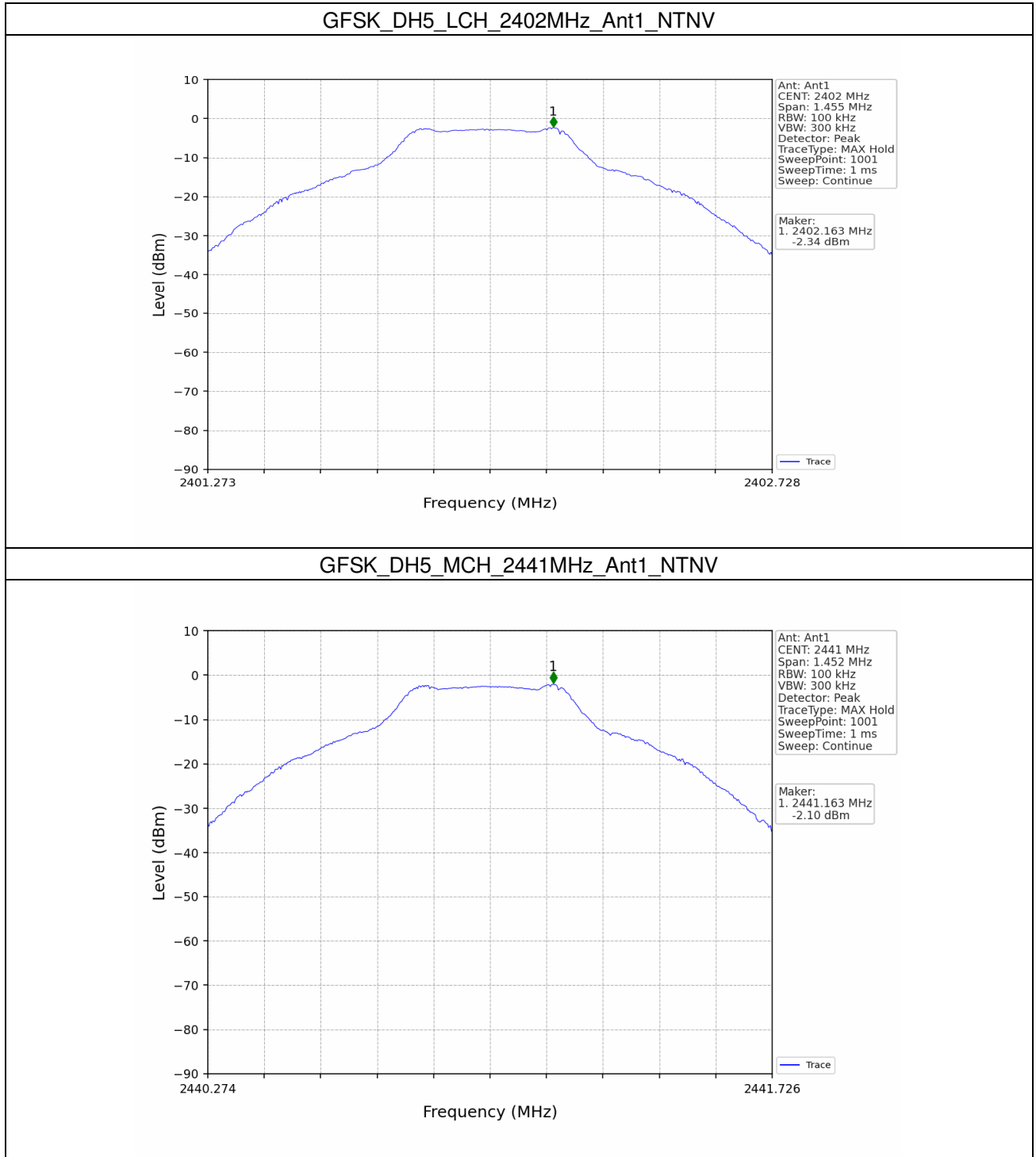
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### 7.1.2 Test Graph



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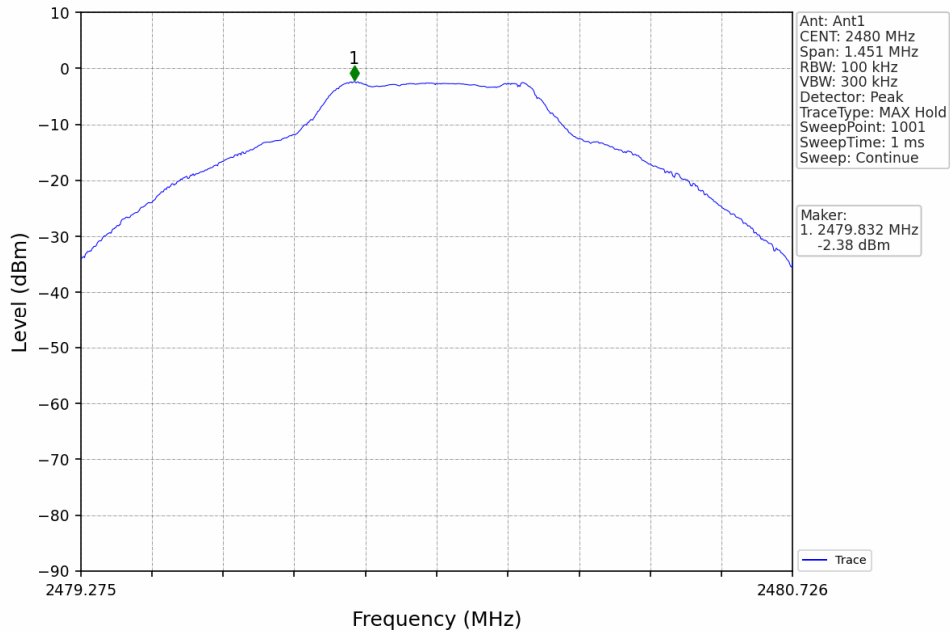
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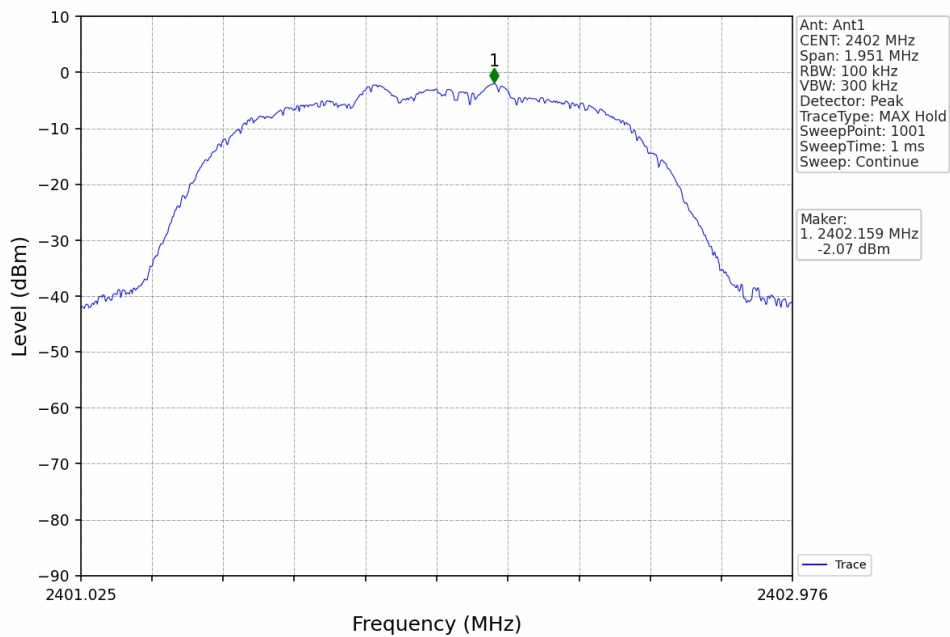
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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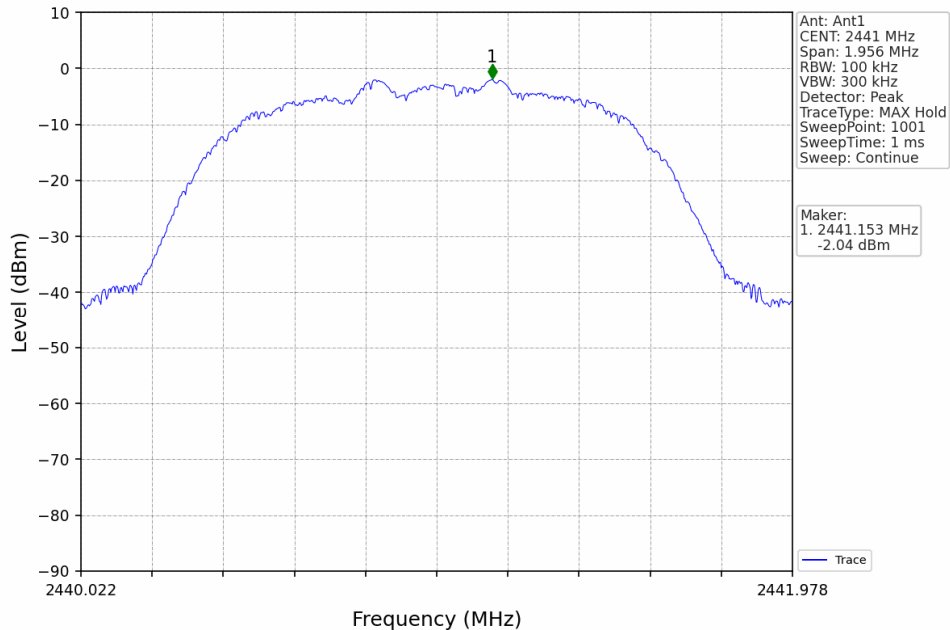
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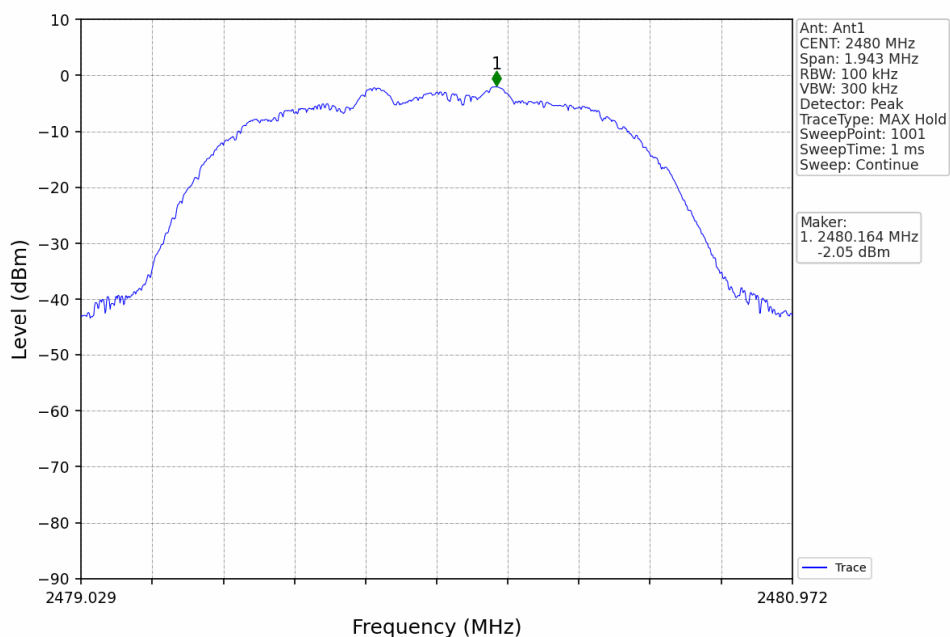
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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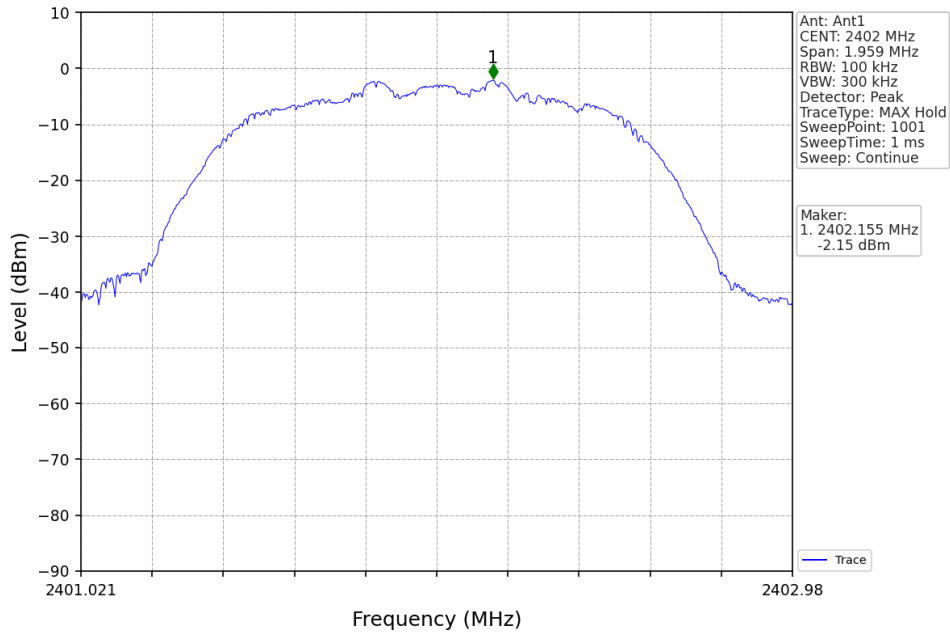
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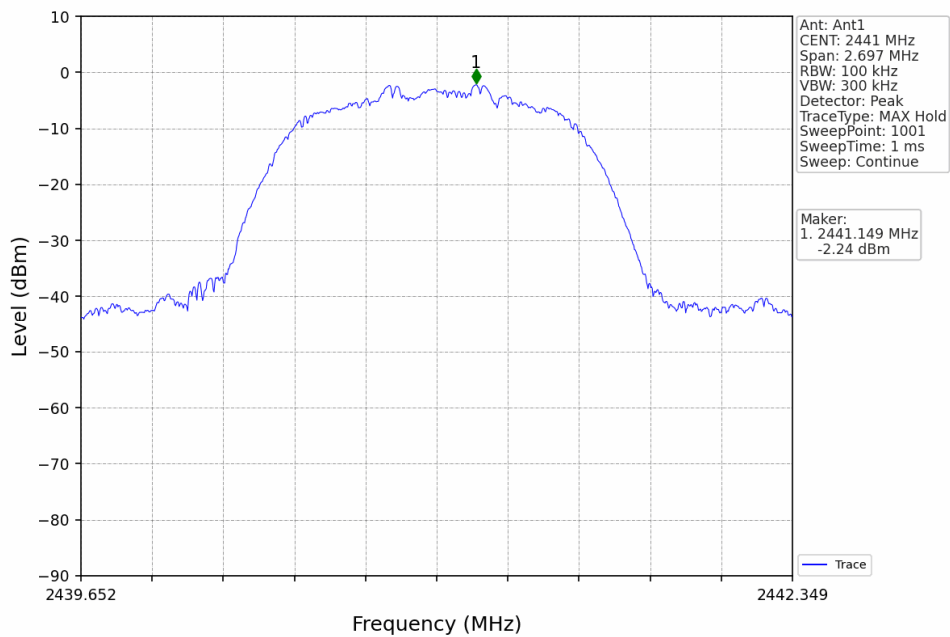
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8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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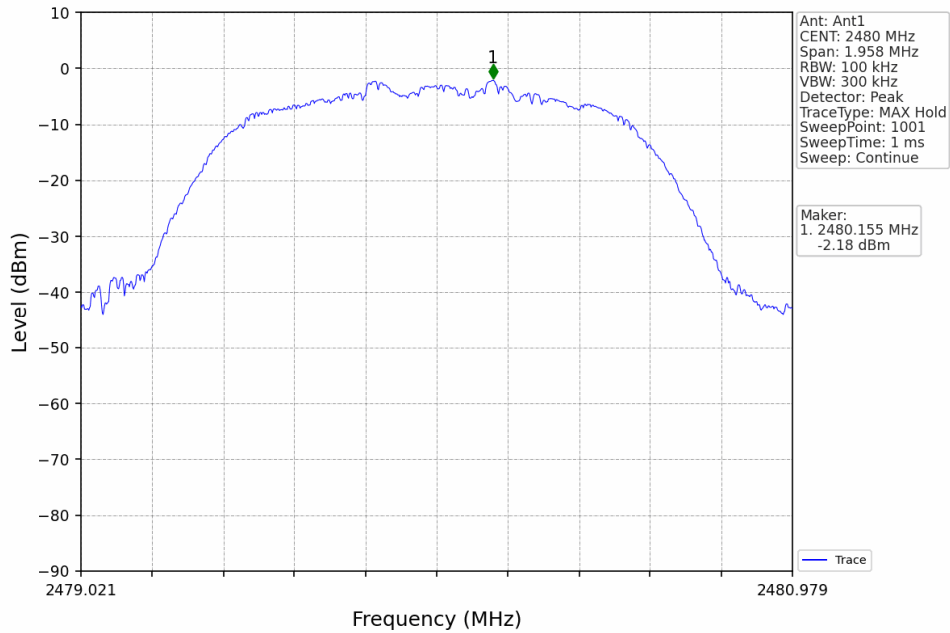
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### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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### 7.2 CSE

#### 7.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-2.10	-22.10	Pass
		2441	DH5	1	-2.10	-22.10	Pass
		2480	DH5	1	-2.10	-22.10	Pass
		HOPP	DH5	1	-2.10	-22.10	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-2.04	-22.04	Pass
		2441	2DH5	1	-2.04	-22.04	Pass
		2480	2DH5	1	-2.04	-22.04	Pass
		HOPP	2DH5	1	-2.04	-22.04	Pass
8DPSK	SISO	2402	3DH5	1	-2.15	-22.15	Pass
		2441	3DH5	1	-2.15	-22.15	Pass
		2480	3DH5	1	-2.15	-22.15	Pass
		HOPP	3DH5	1	-2.15	-22.15	Pass



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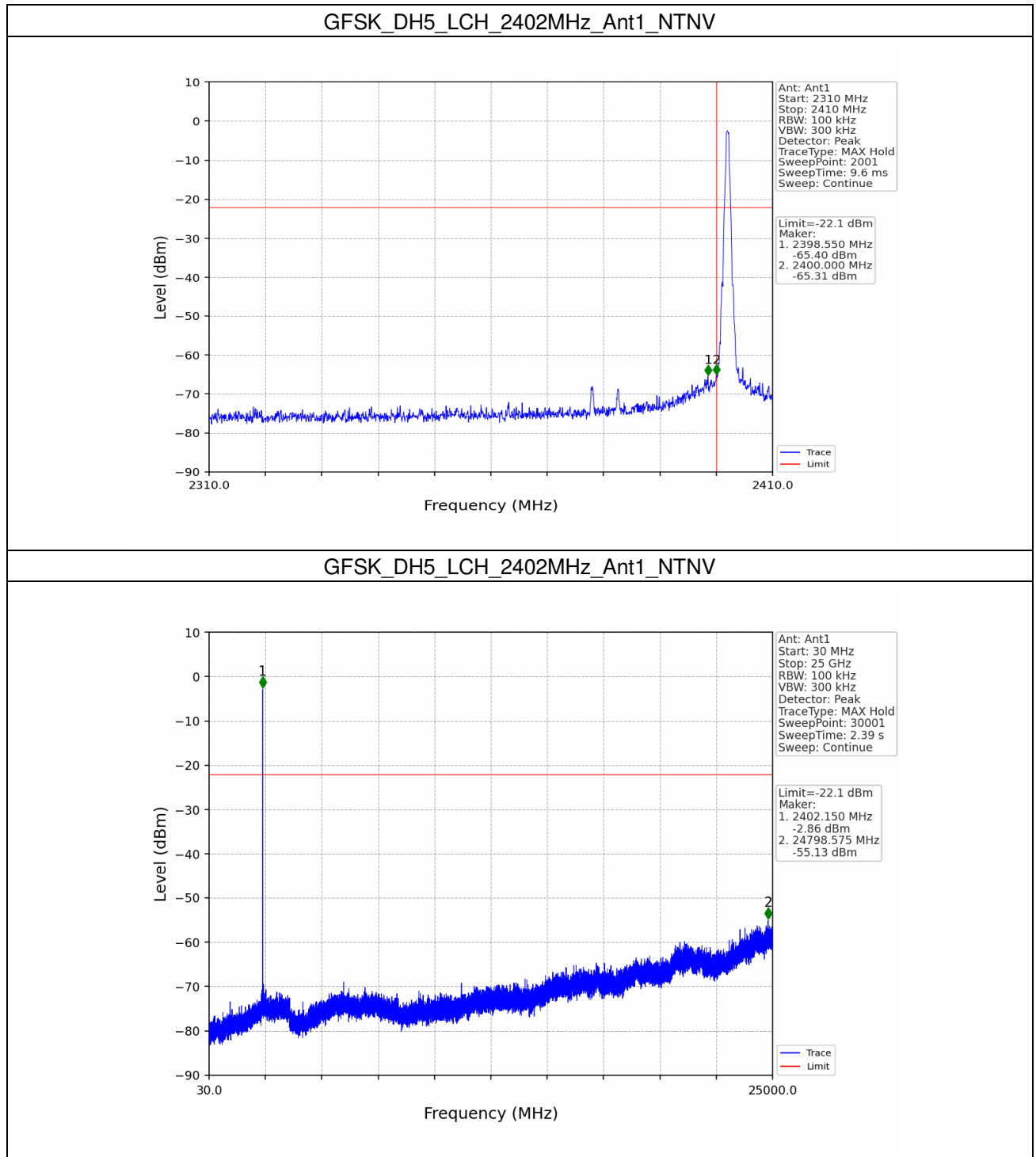
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### 7.2.2 Test Graph



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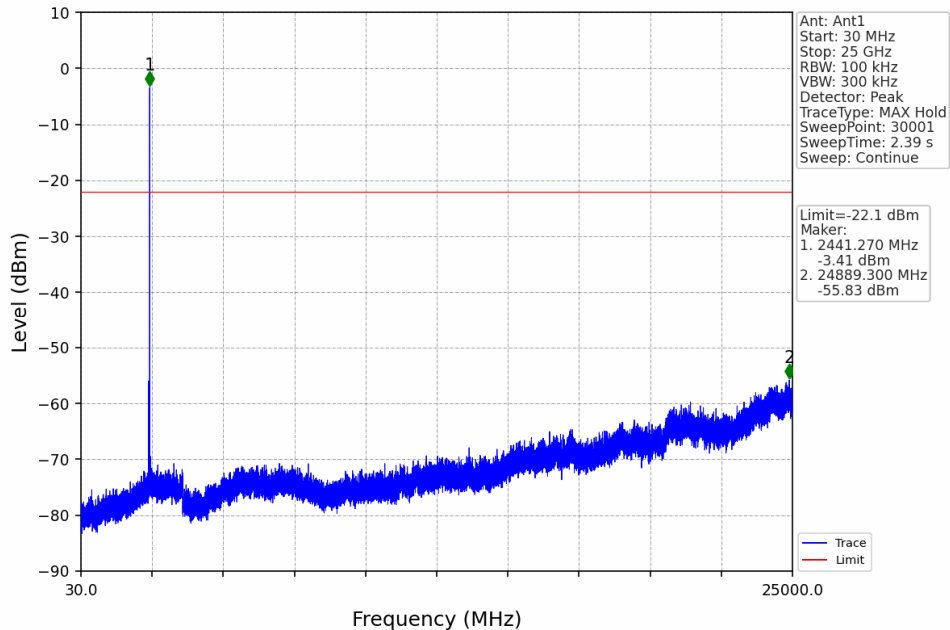
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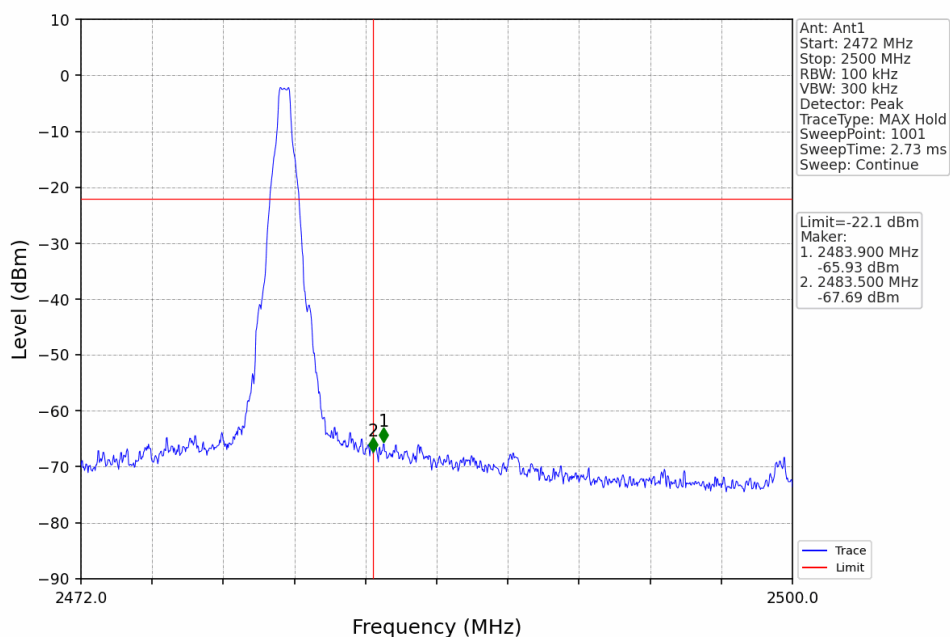
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GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



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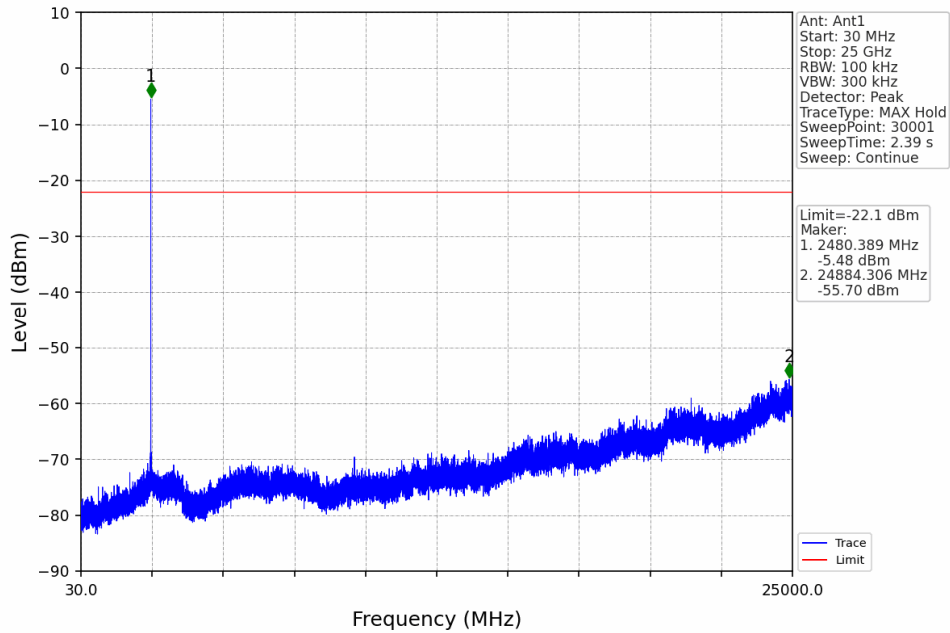
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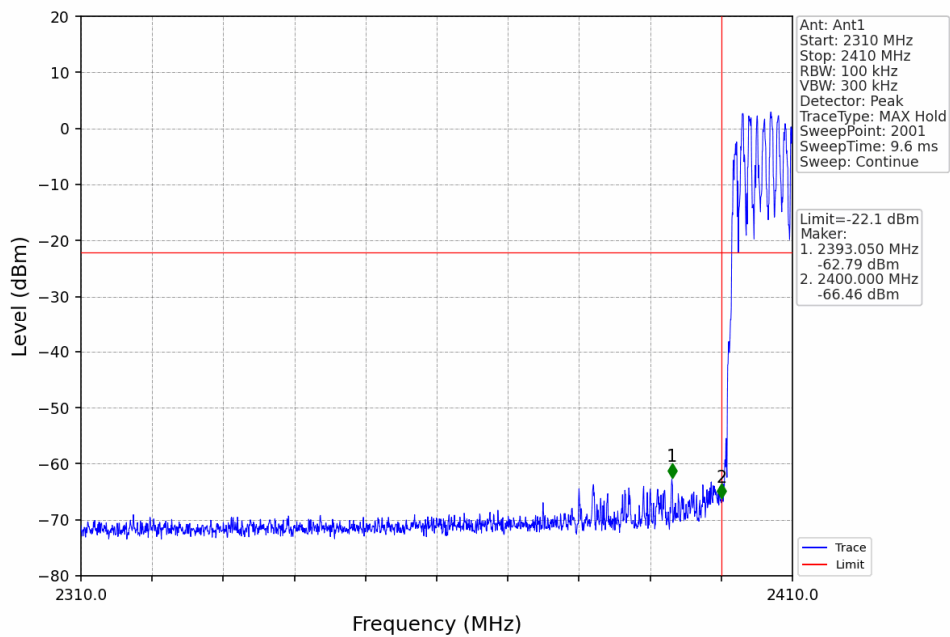
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



GFSK\_DH5\_HOPP\_2410MHz\_Ant1\_NTNV



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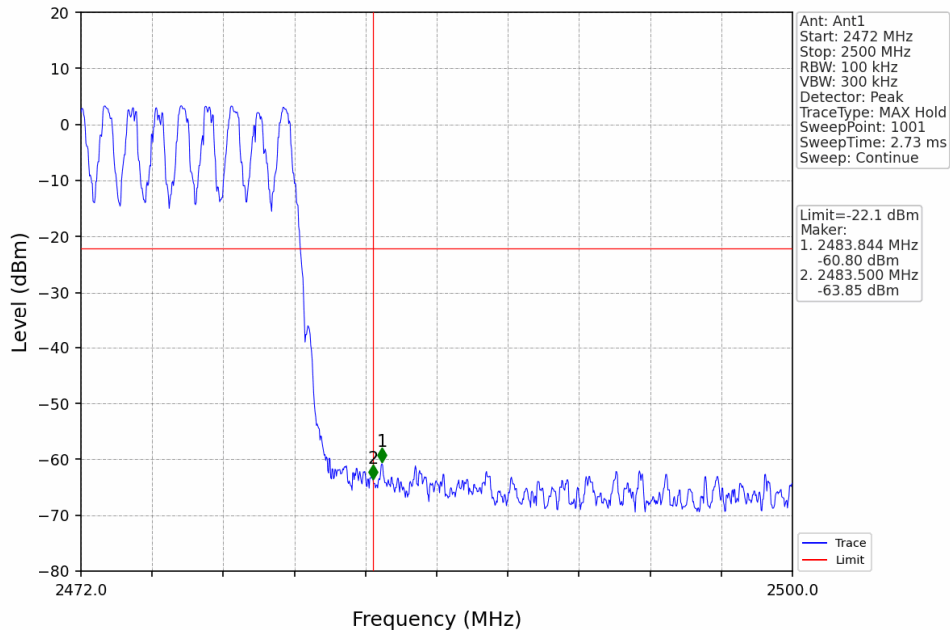
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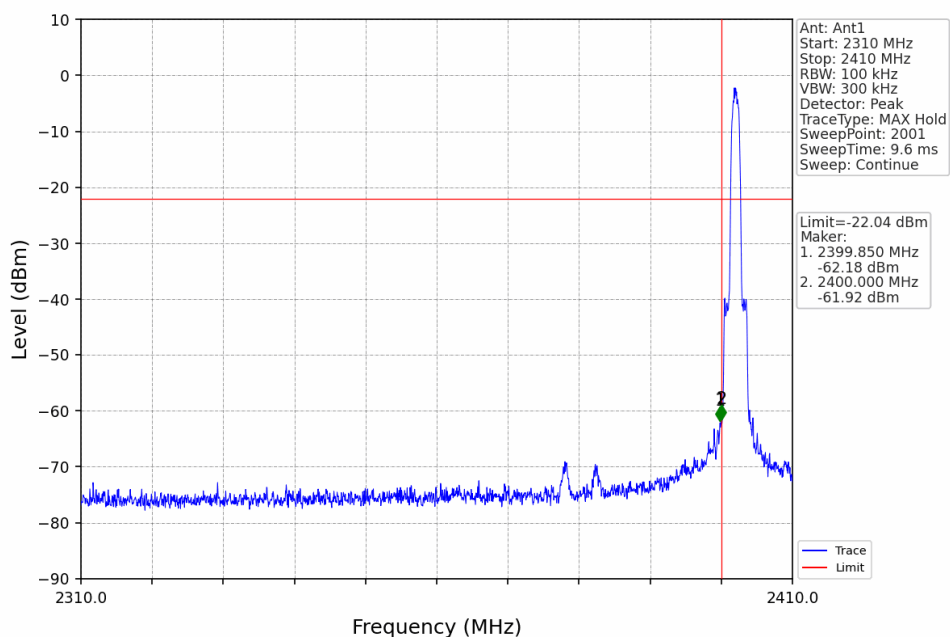
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### Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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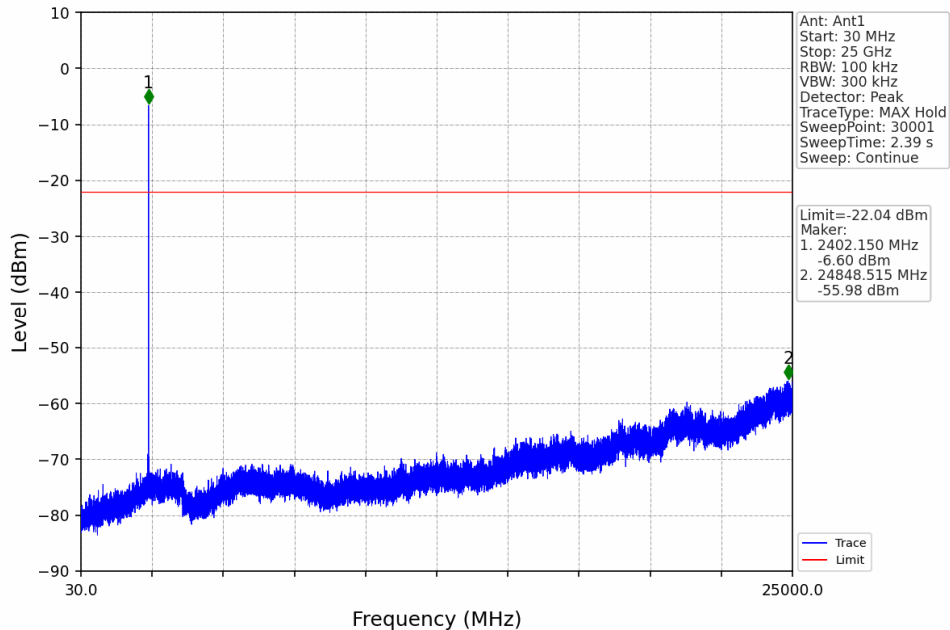
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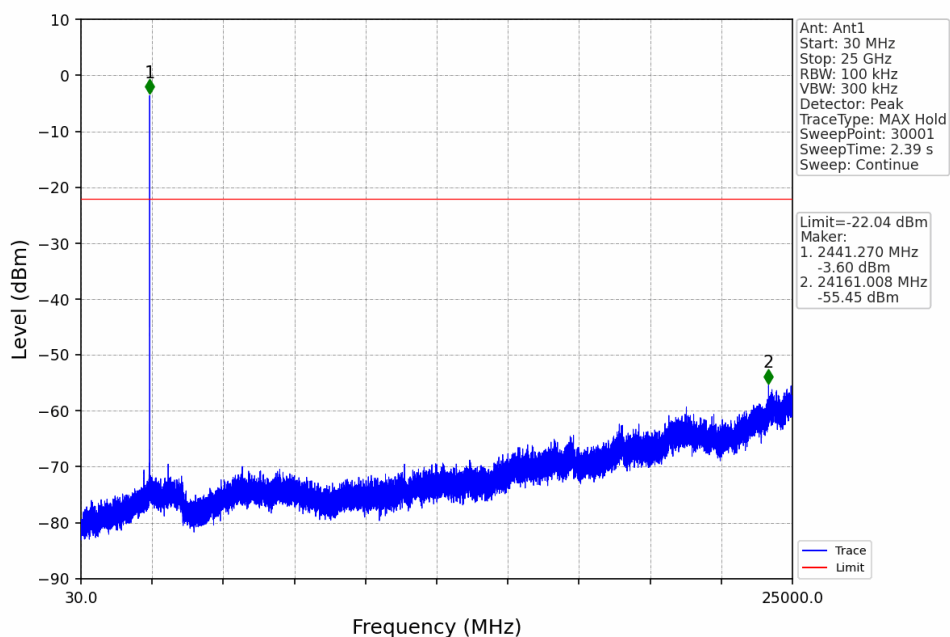
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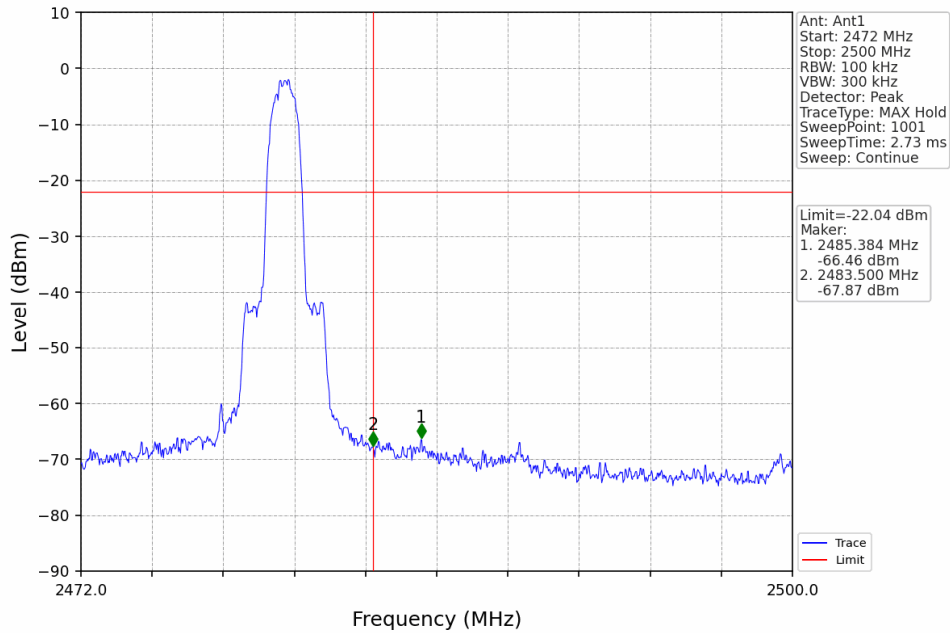
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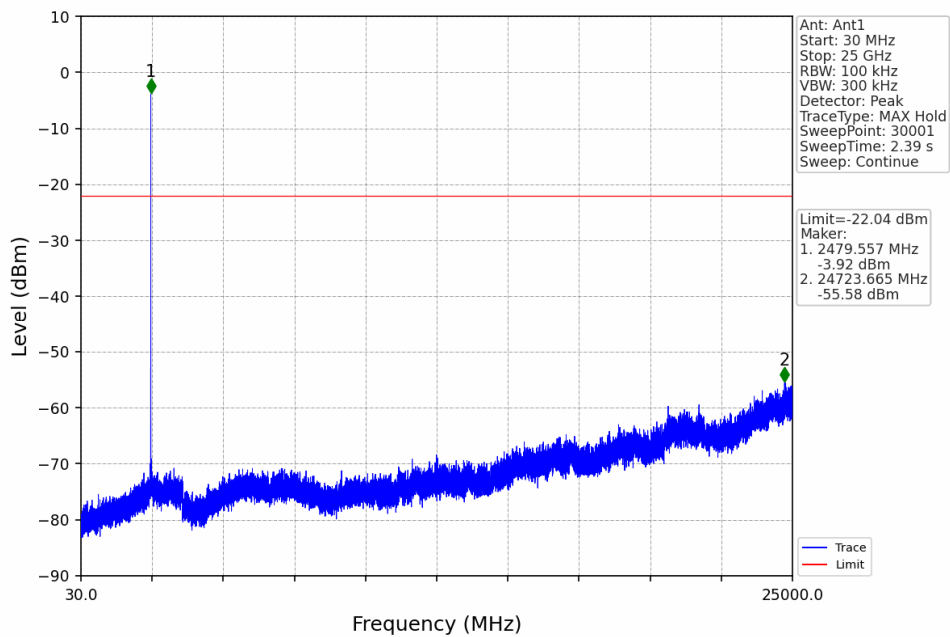
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Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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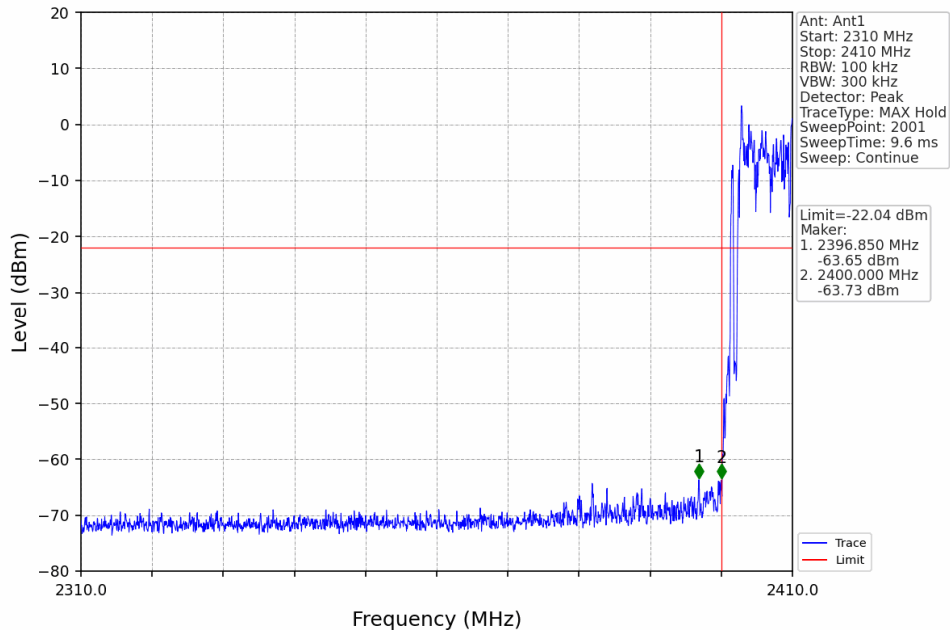
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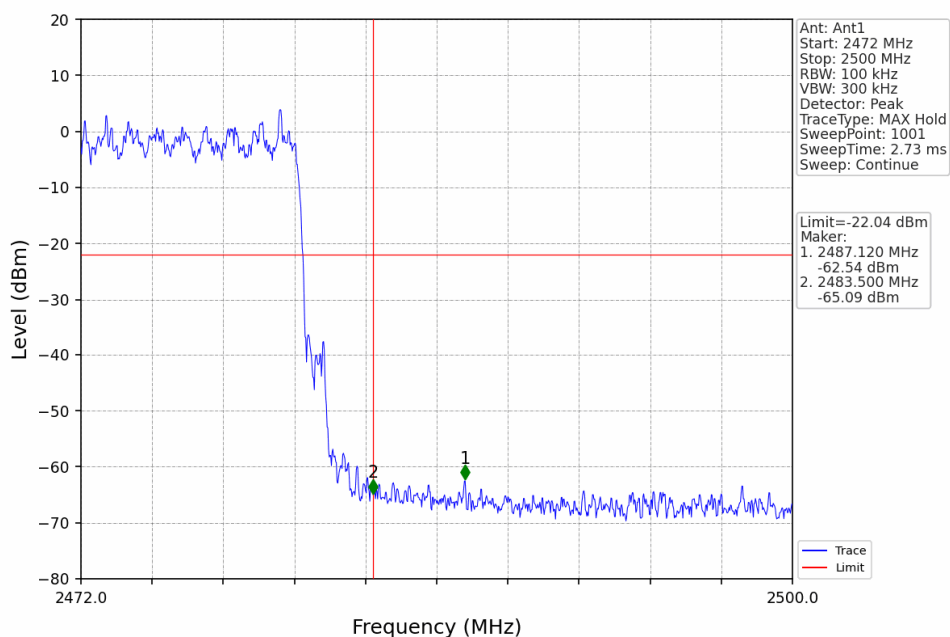
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Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



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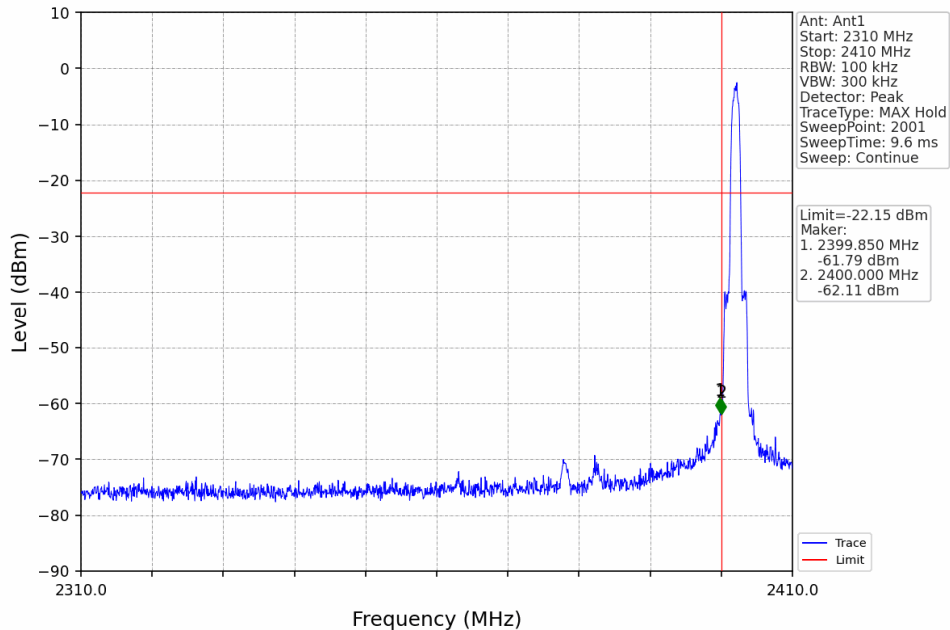
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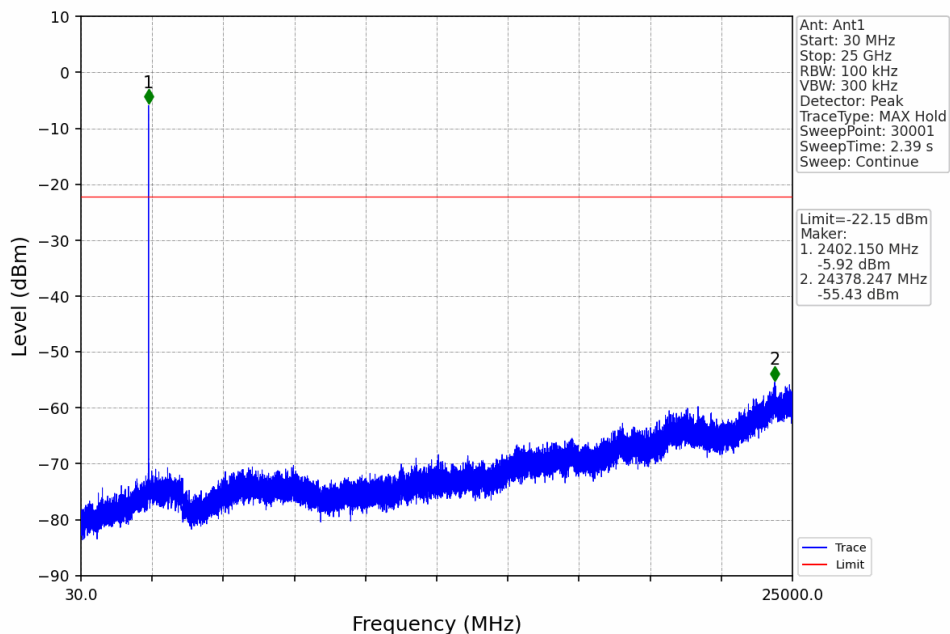
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8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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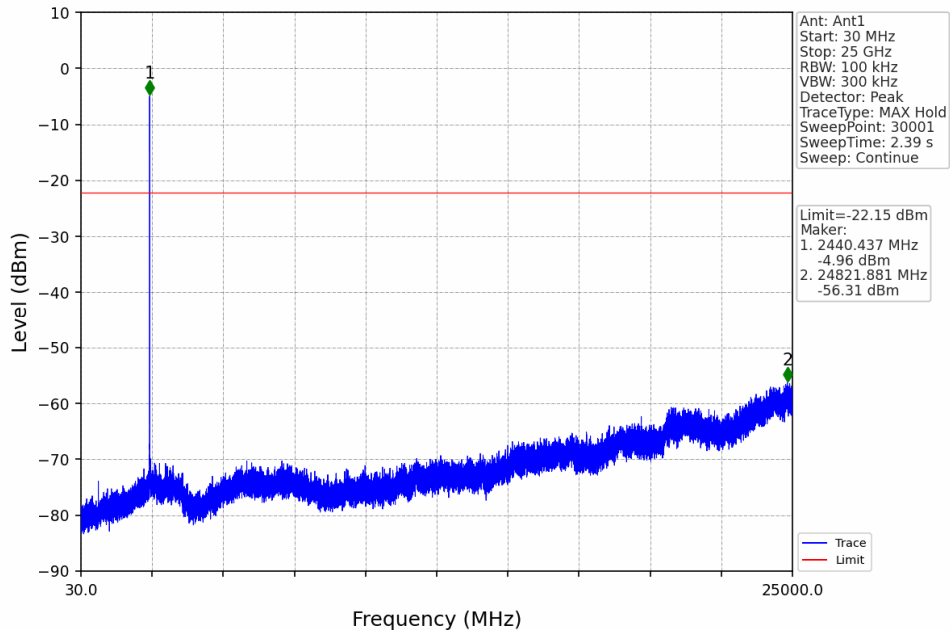
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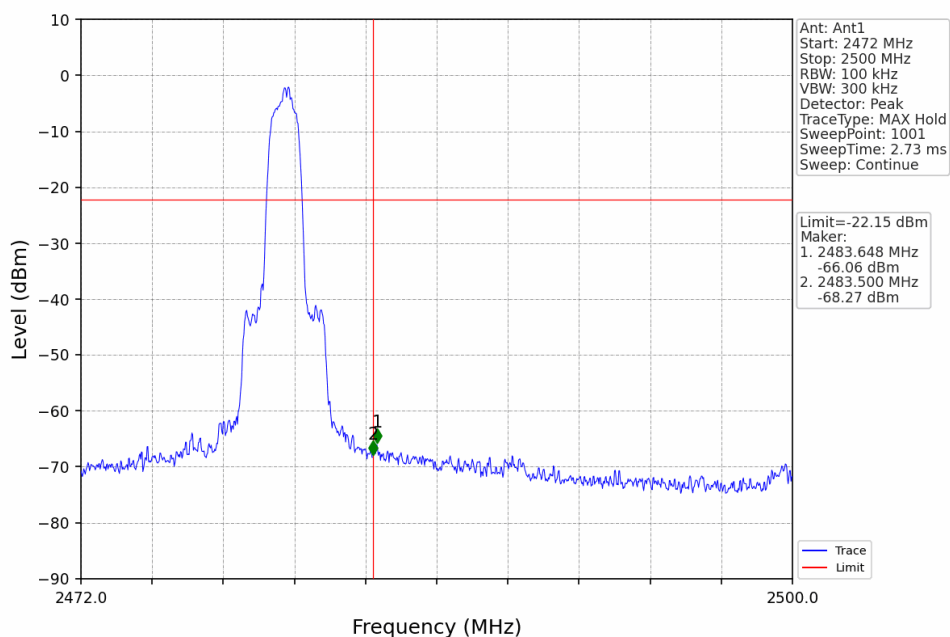
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### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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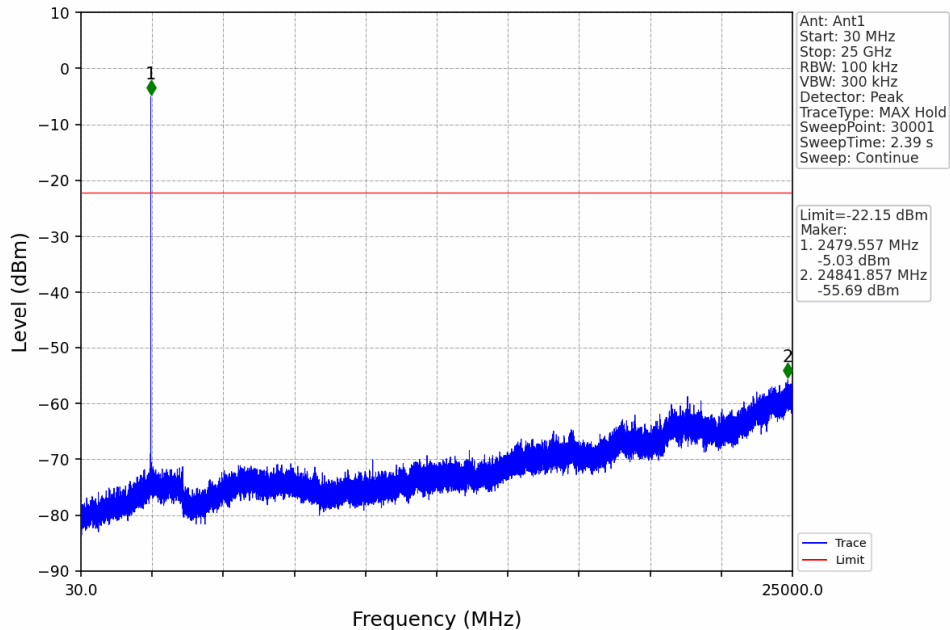
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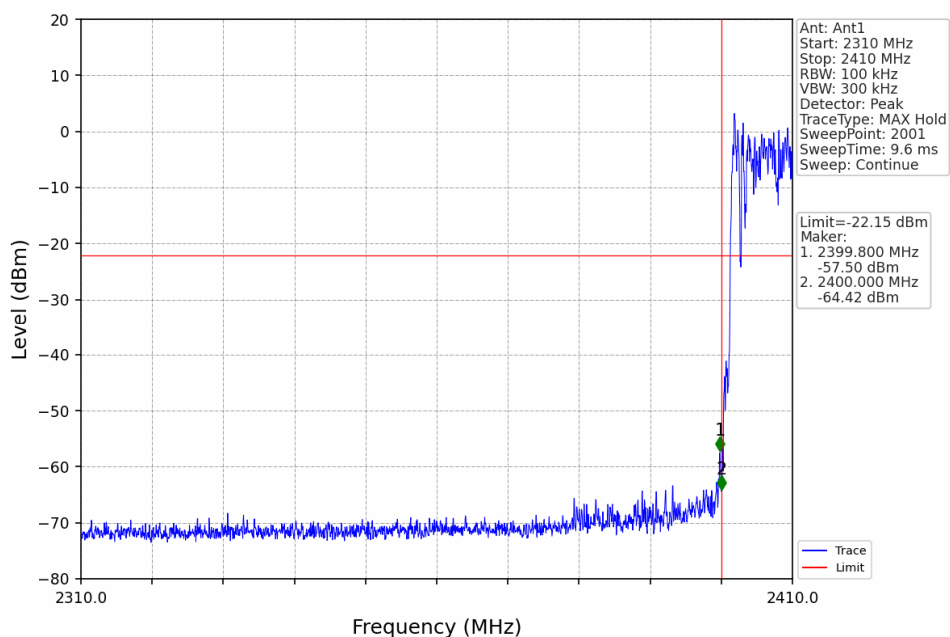
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### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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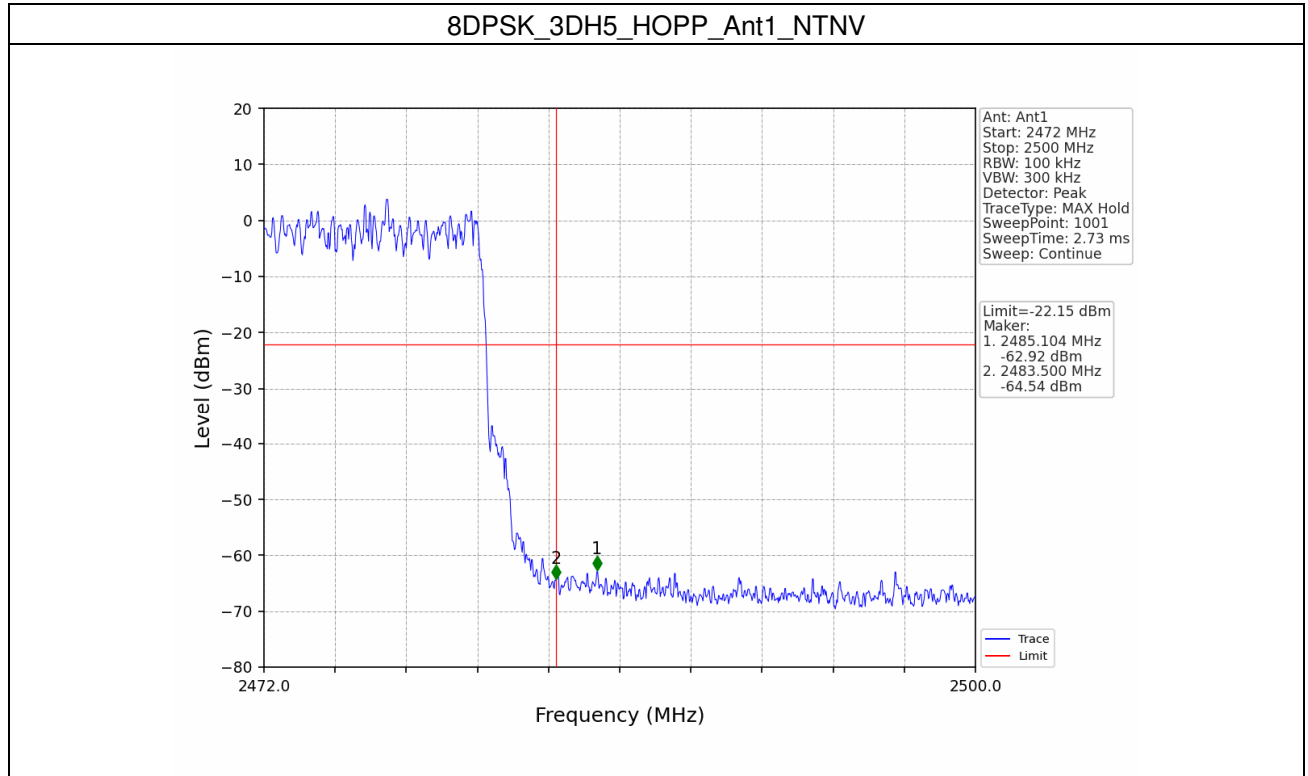


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