

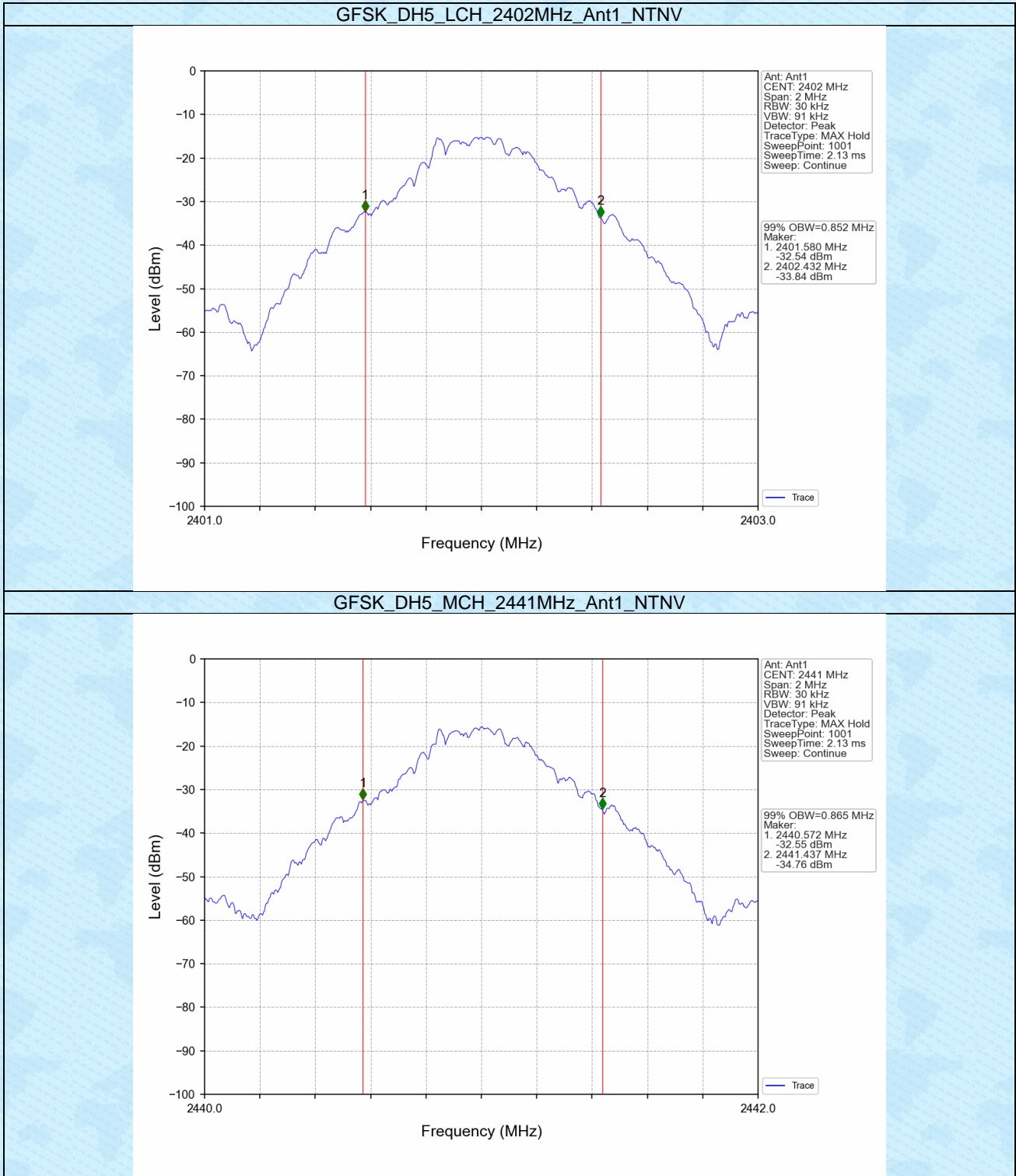
## 1. Bandwidth

### 1.1 OBW

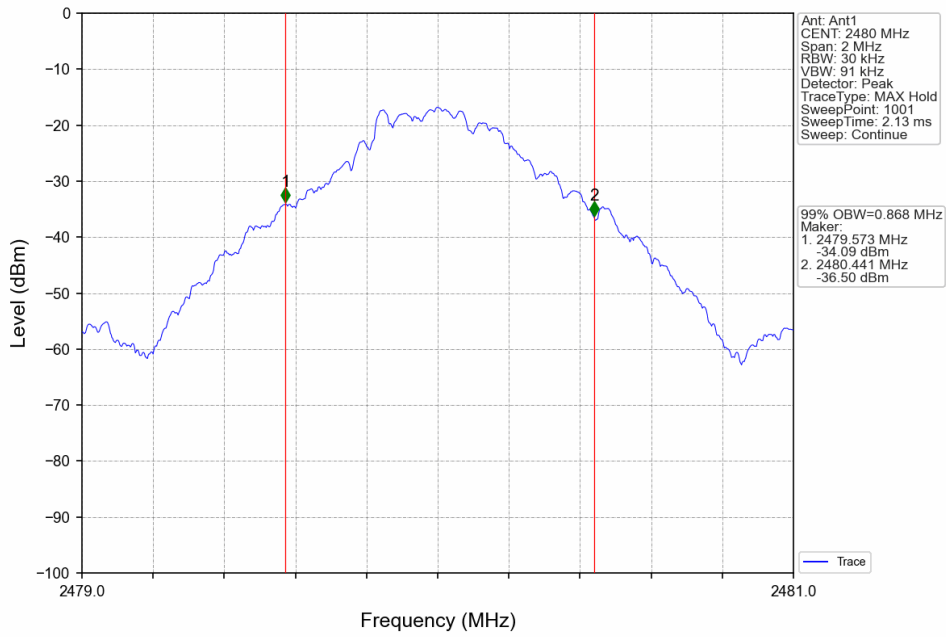
#### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.852	Pass
		2441	DH5	1	0.865	Pass
		2480	DH5	1	0.868	Pass
π/4-DQPSK	SISO	2402	2DH5	1	1.172	Pass
		2441	2DH5	1	1.172	Pass
		2480	2DH5	1	1.176	Pass

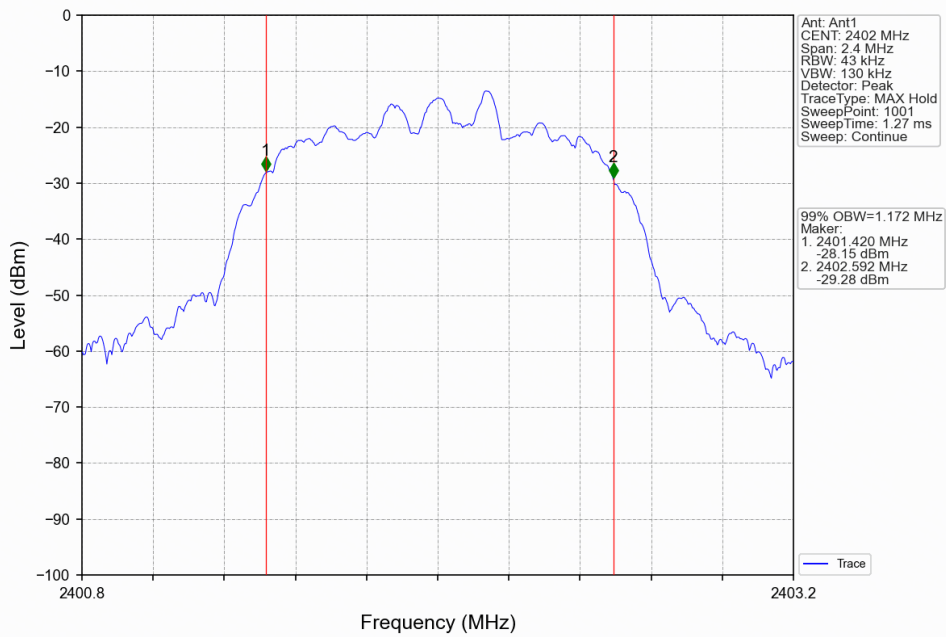
## 1.1.2 Test Graph



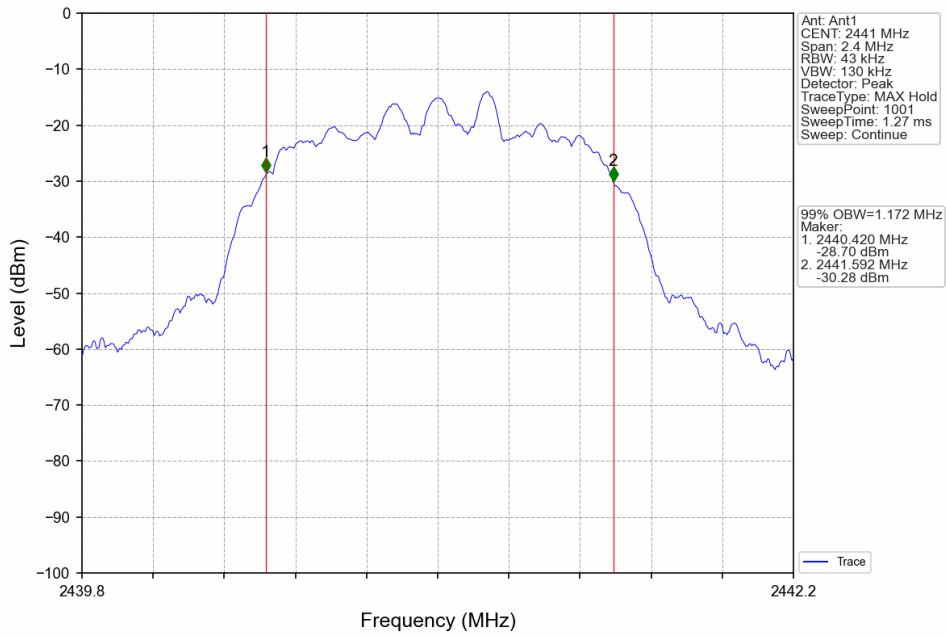
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



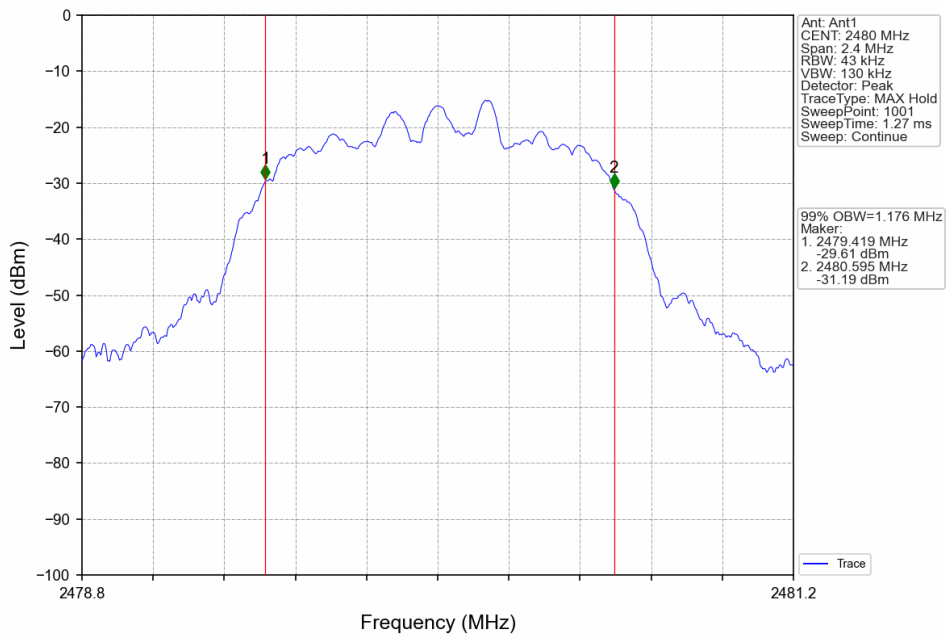
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

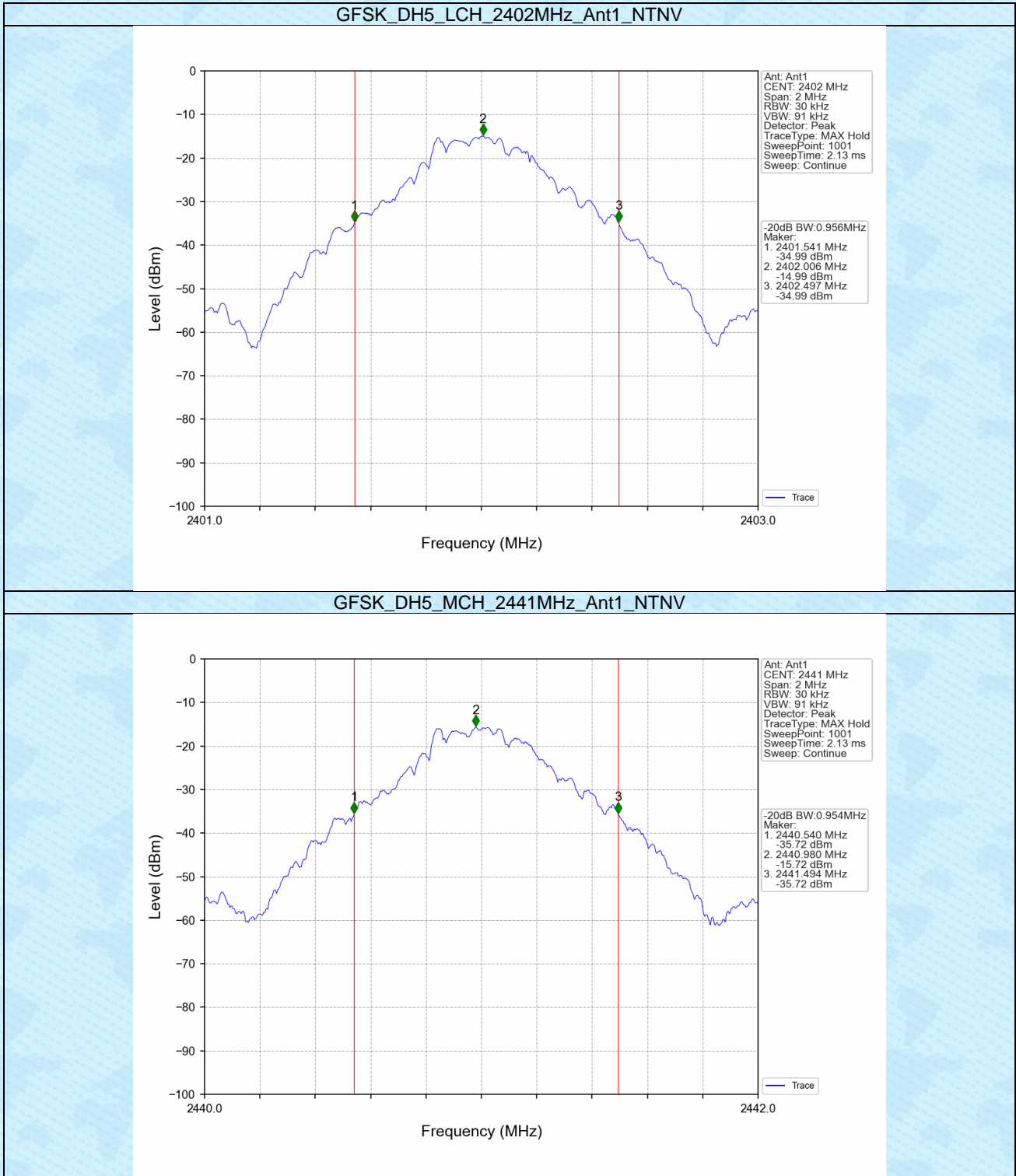


## 1.2 20dB BW

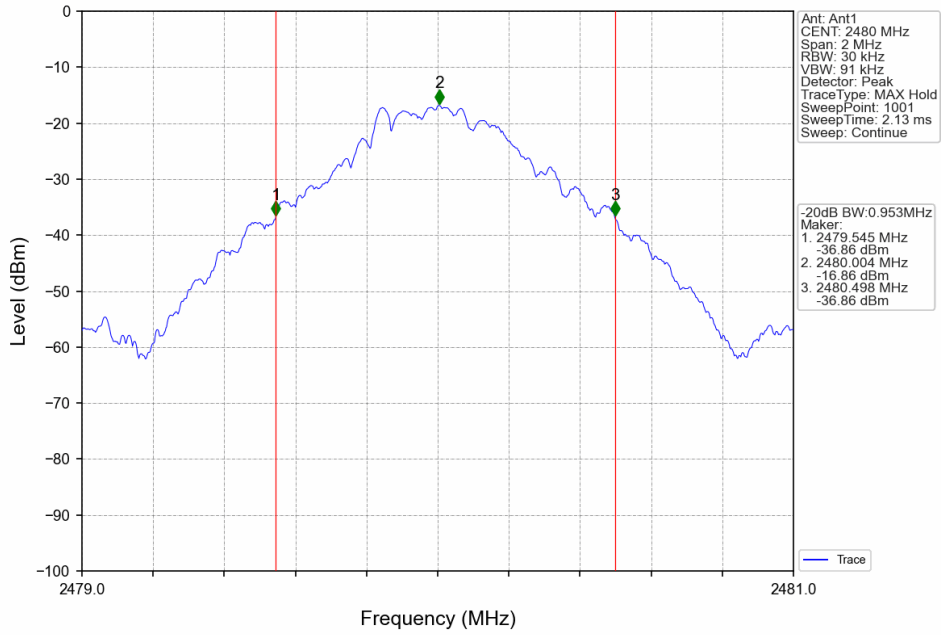
### 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.956	Pass
		2441	DH5	1	0.954	Pass
		2480	DH5	1	0.953	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	1.291	Pass
		2441	2DH5	1	1.290	Pass
		2480	2DH5	1	1.294	Pass

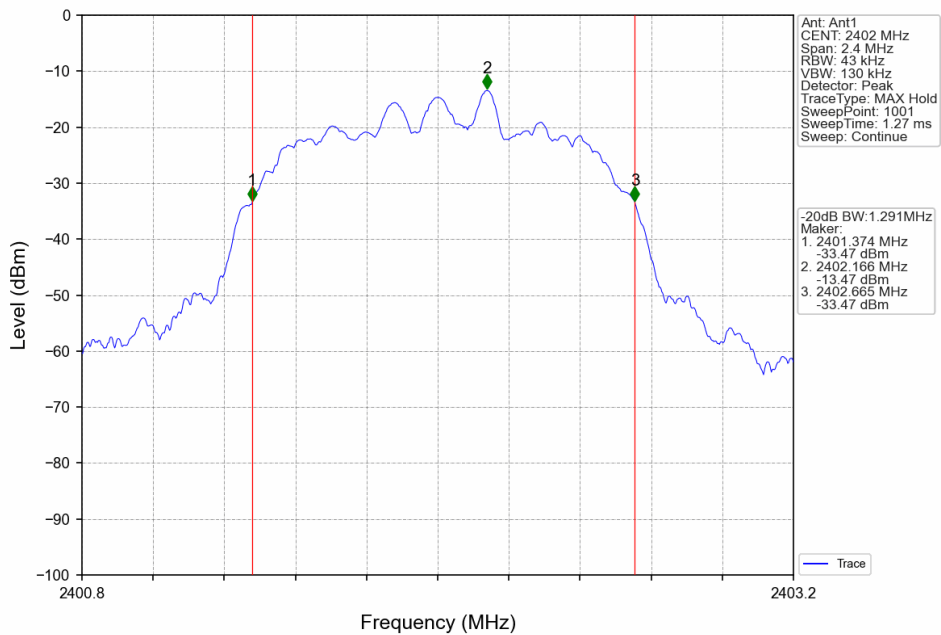
## 1.2.2 Test Graph



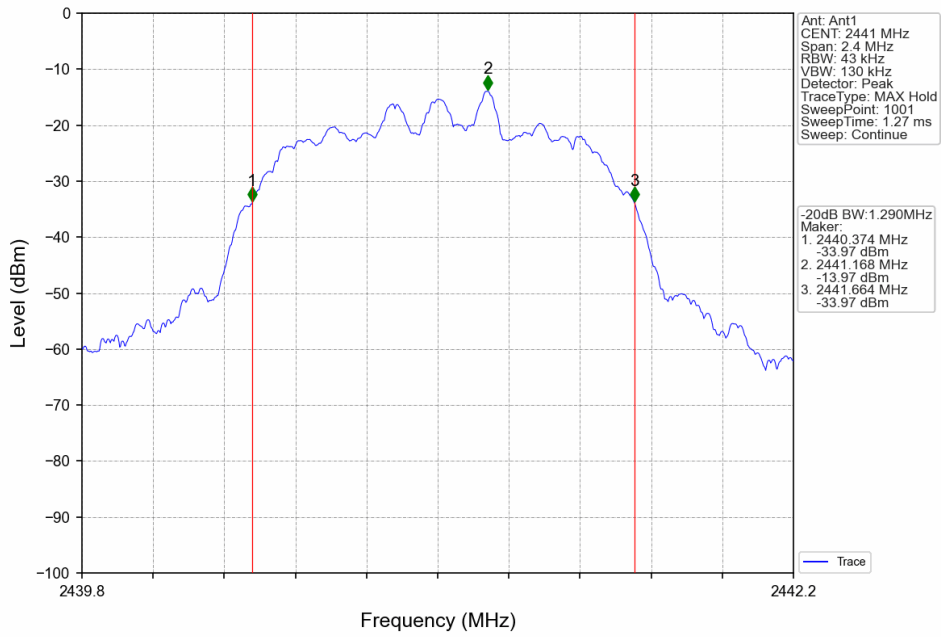
### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



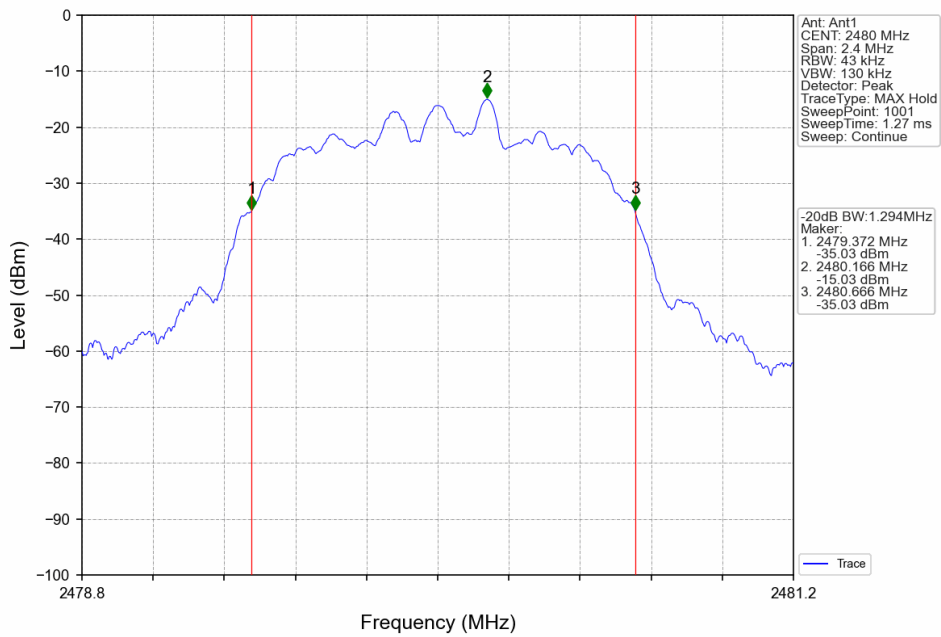
### $\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTV



$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTV





## 2. Maximum Conducted Output Power

### 2.1 Test Result

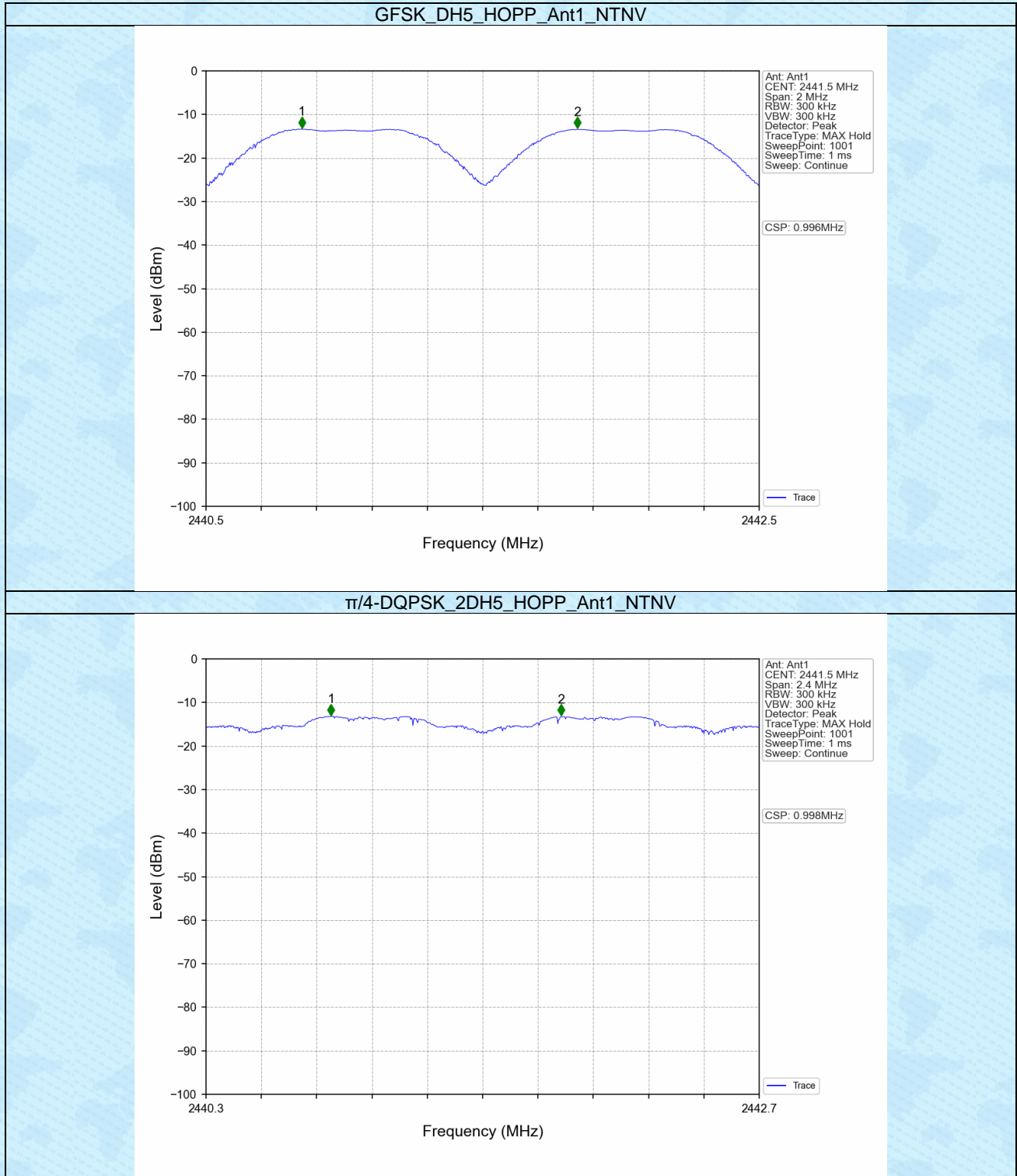
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-12.73	<=30	Pass
		2441	DH5	-13.33	<=30	Pass
		2480	DH5	-14.70	<=30	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	-11.82	<=20.97	Pass
		2441	2DH5	-12.29	<=20.97	Pass
		2480	2DH5	-13.37	<=20.97	Pass

## 3. Carrier Frequency Separation

### 3.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.996	0.956	$\geq 0.956$	Pass
$\pi/4$ -DQPSK	SISO	HOPP	2DH5	0.998	1.294	$\geq 0.863$	Pass

## 3.2 Test Graph

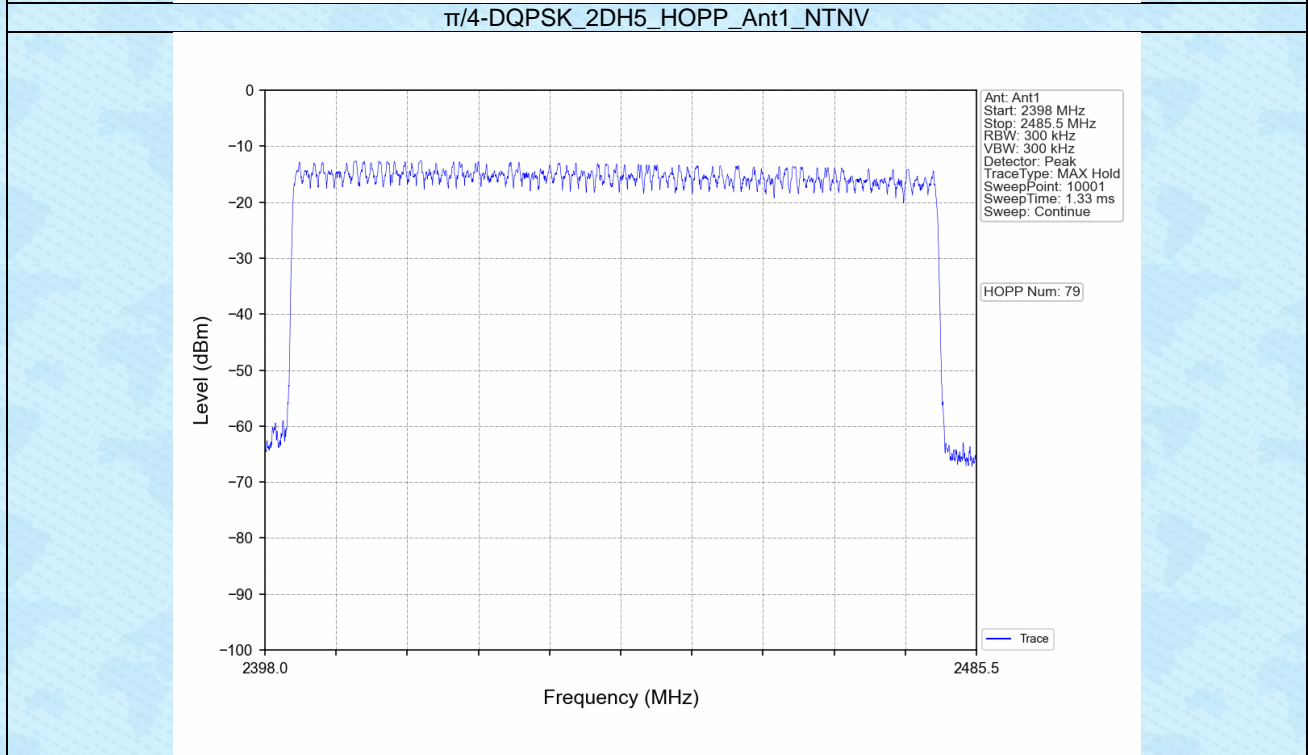
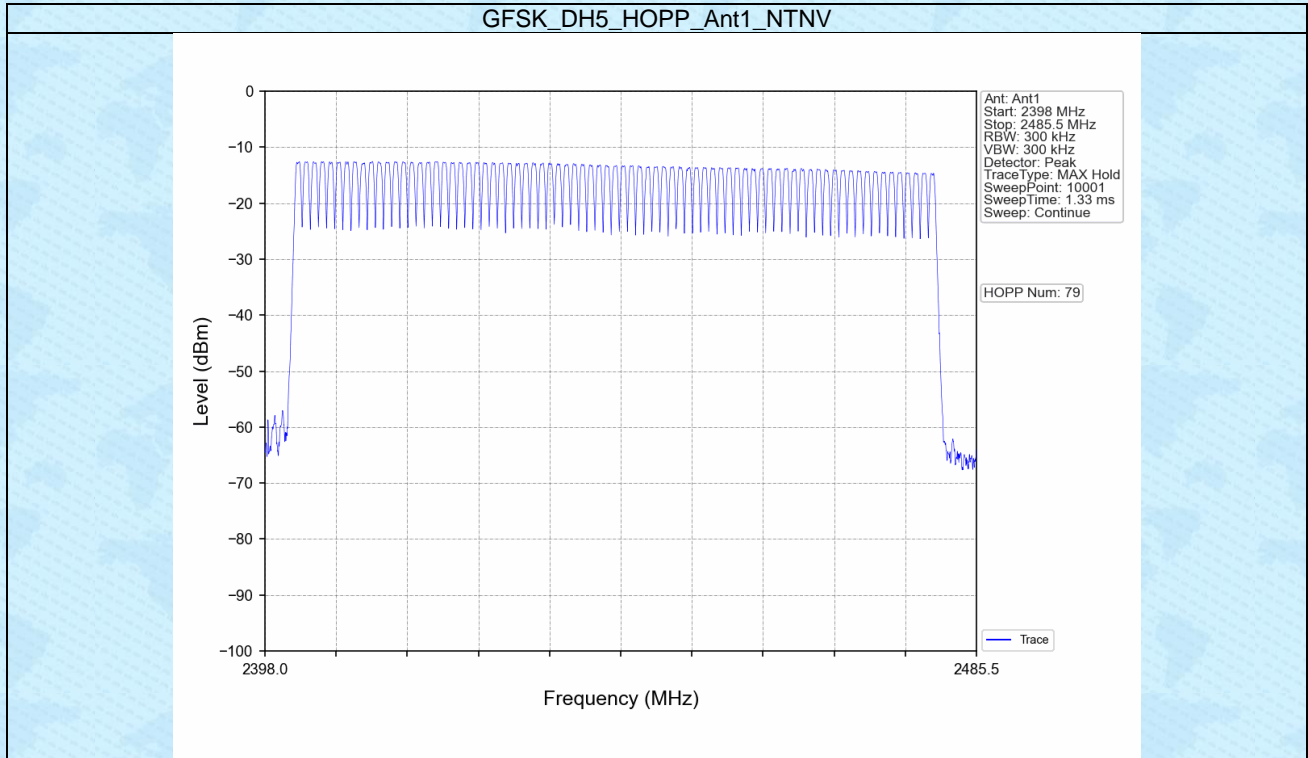


## 4. Number of Hopping Frequencies

### 4.1 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

## 4.2 Test Graph

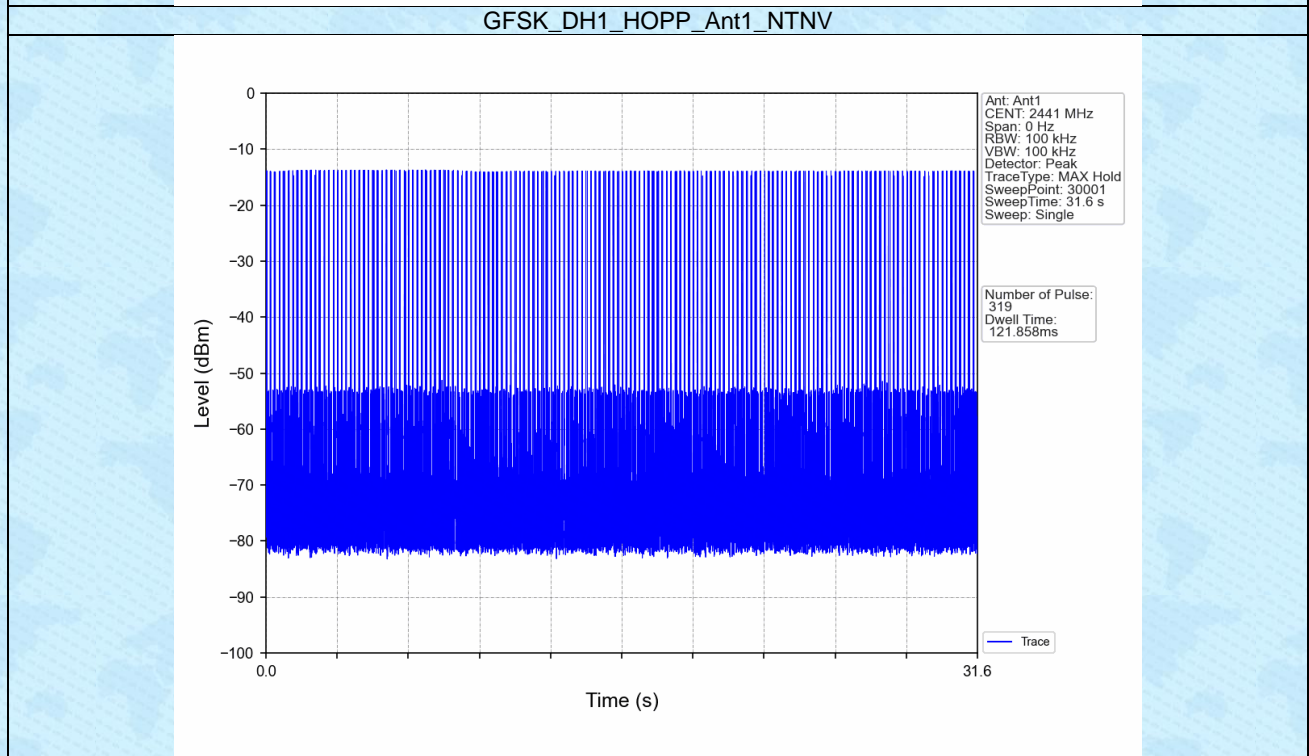
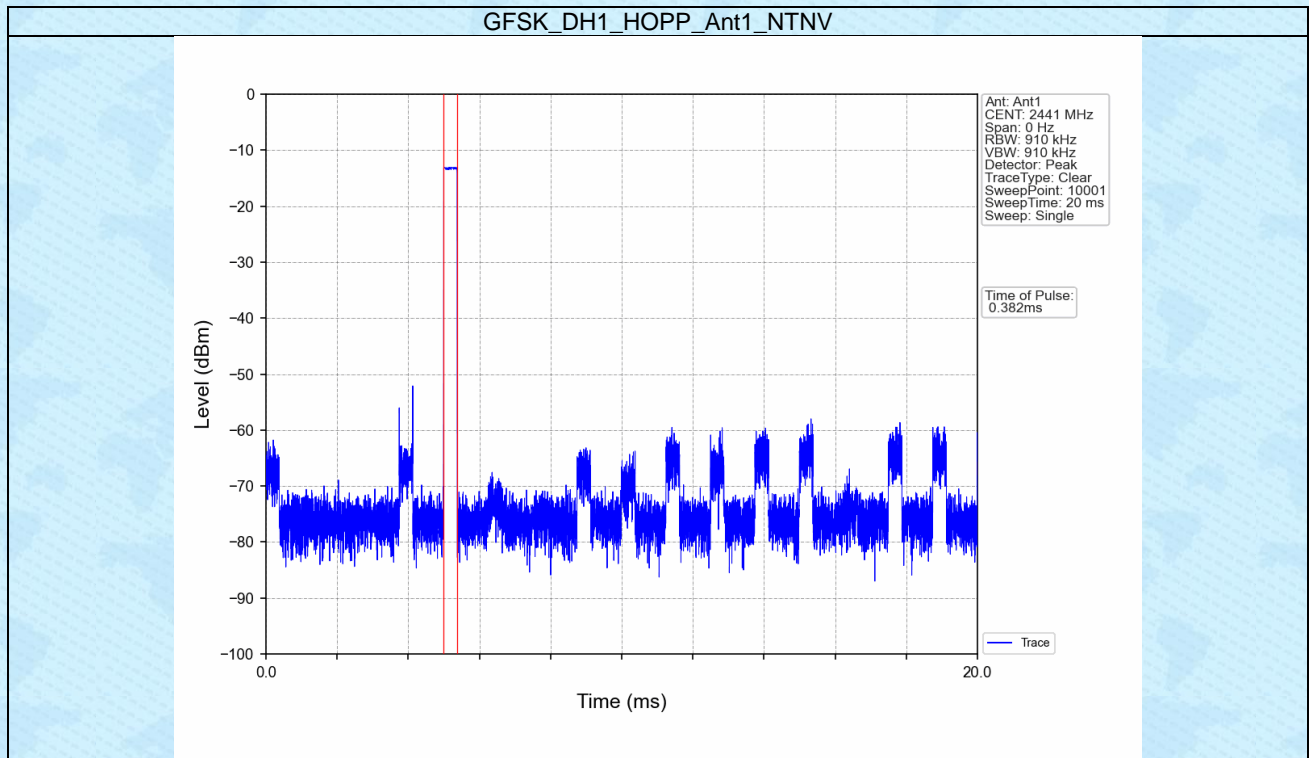


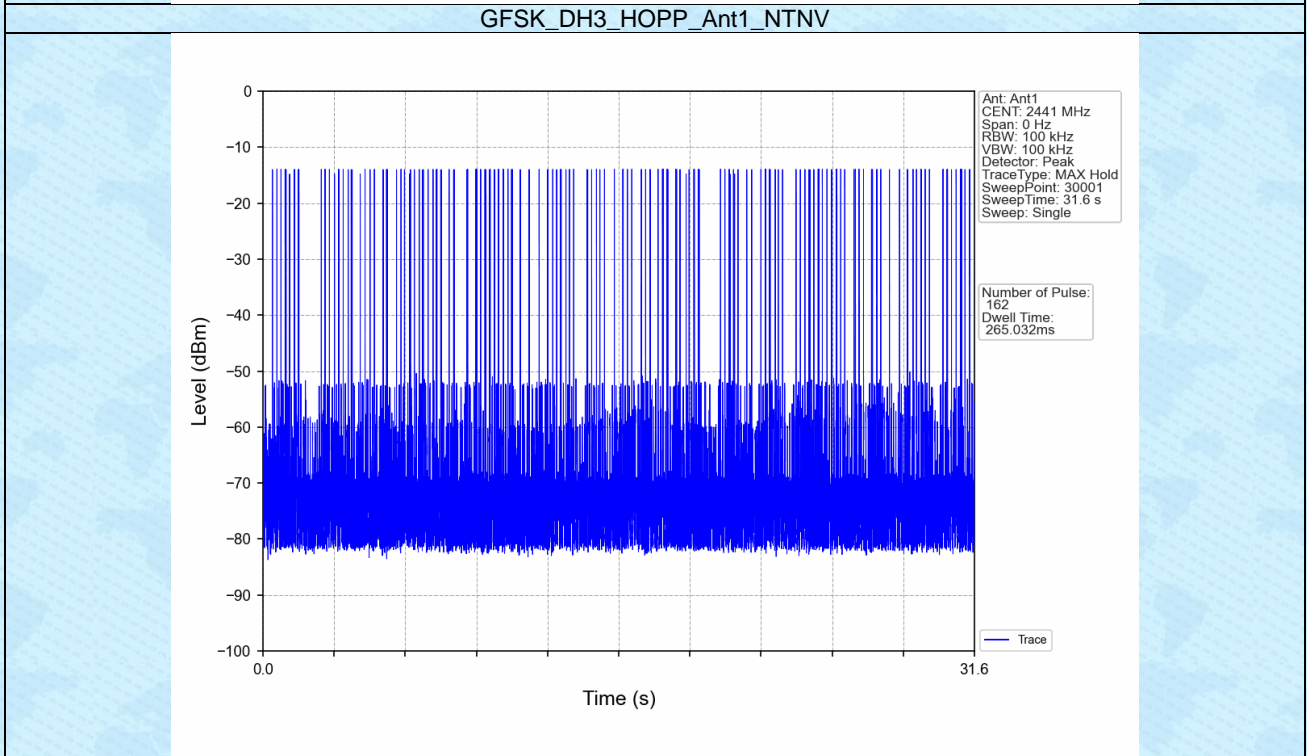
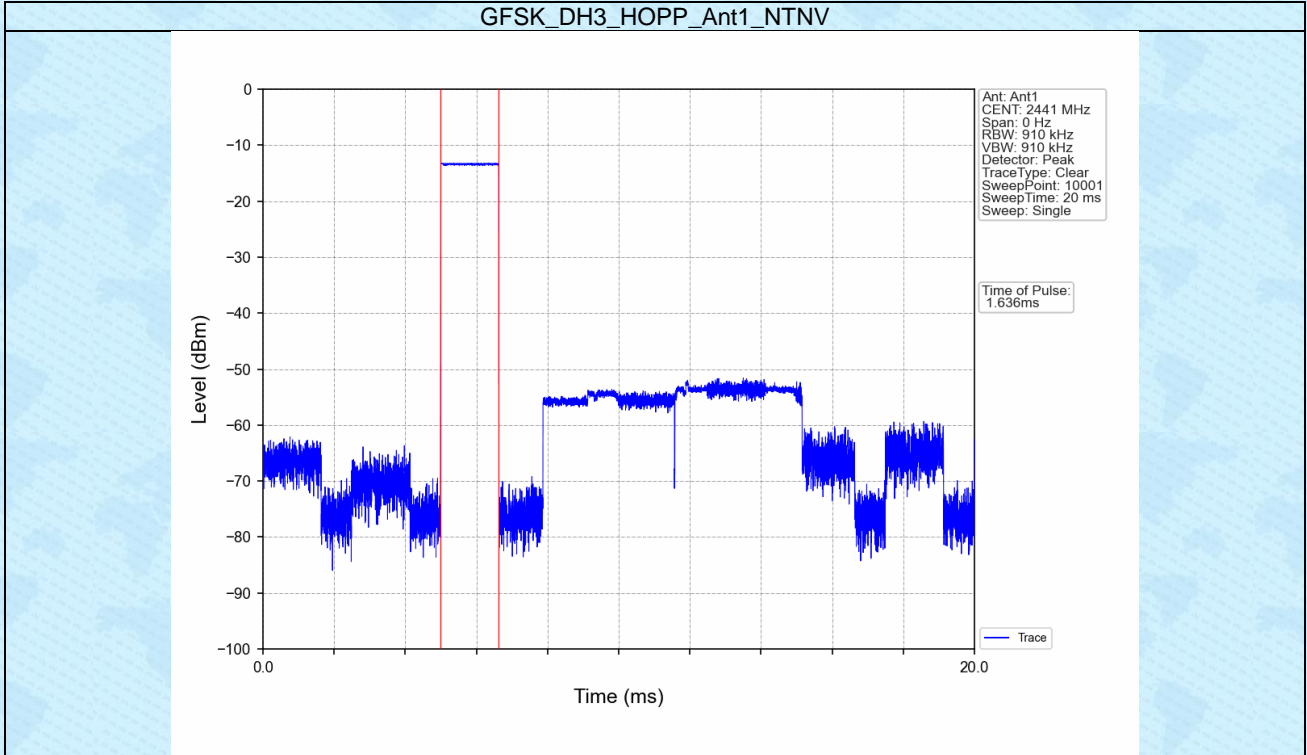
## 5. Time of Occupancy (Dwell Time)

### 5.1 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	0.382	31.600	319	121.858	<=400	Pass
			DH3	1.636	31.600	162	265.032	<=400	Pass
			DH5	2.888	31.600	115	332.120	<=400	Pass
π/4-DQPSK	SISO	HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass
			2DH3	1.642	31.600	154	252.868	<=400	Pass
			2DH5	2.892	31.600	108	312.336	<=400	Pass

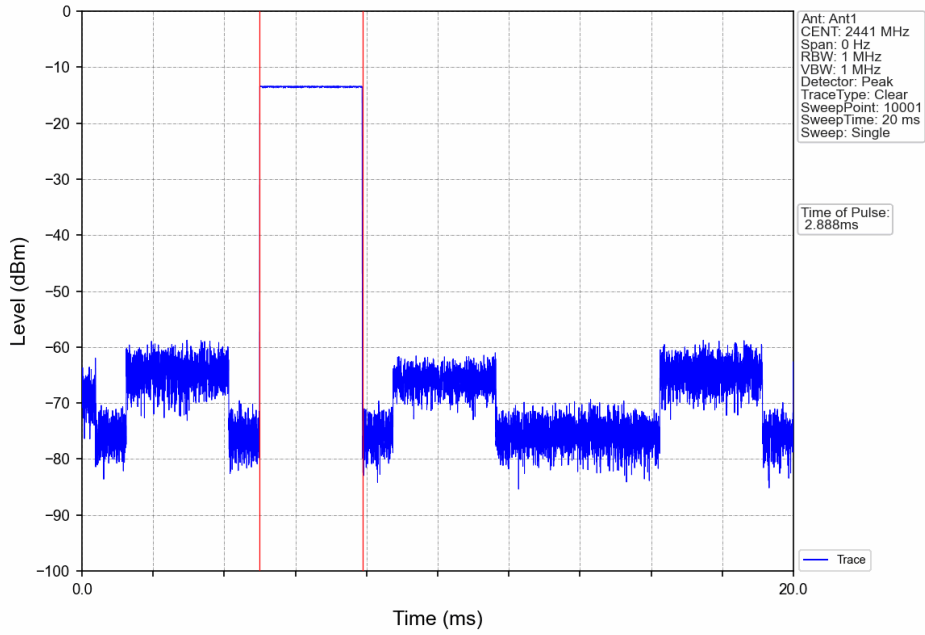
## 5.2 Test Graph



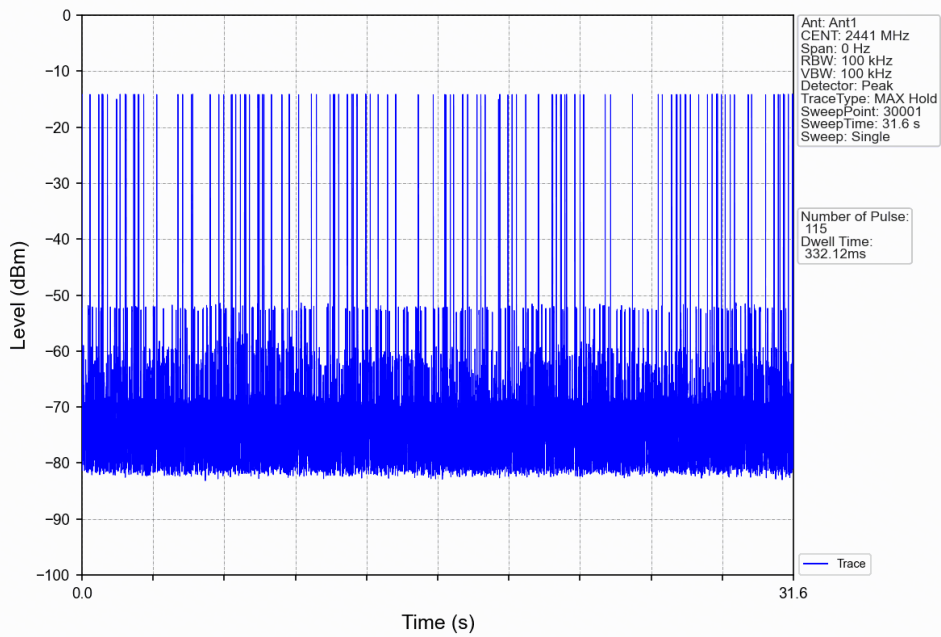


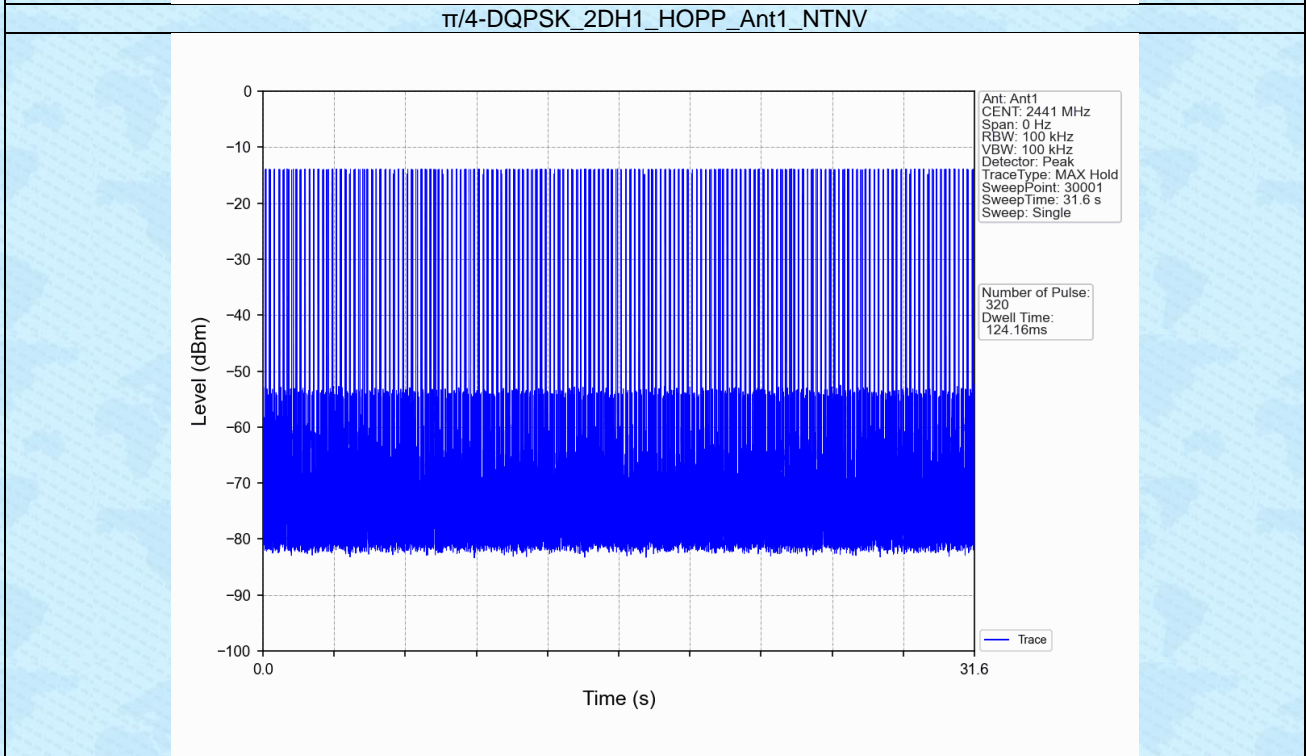
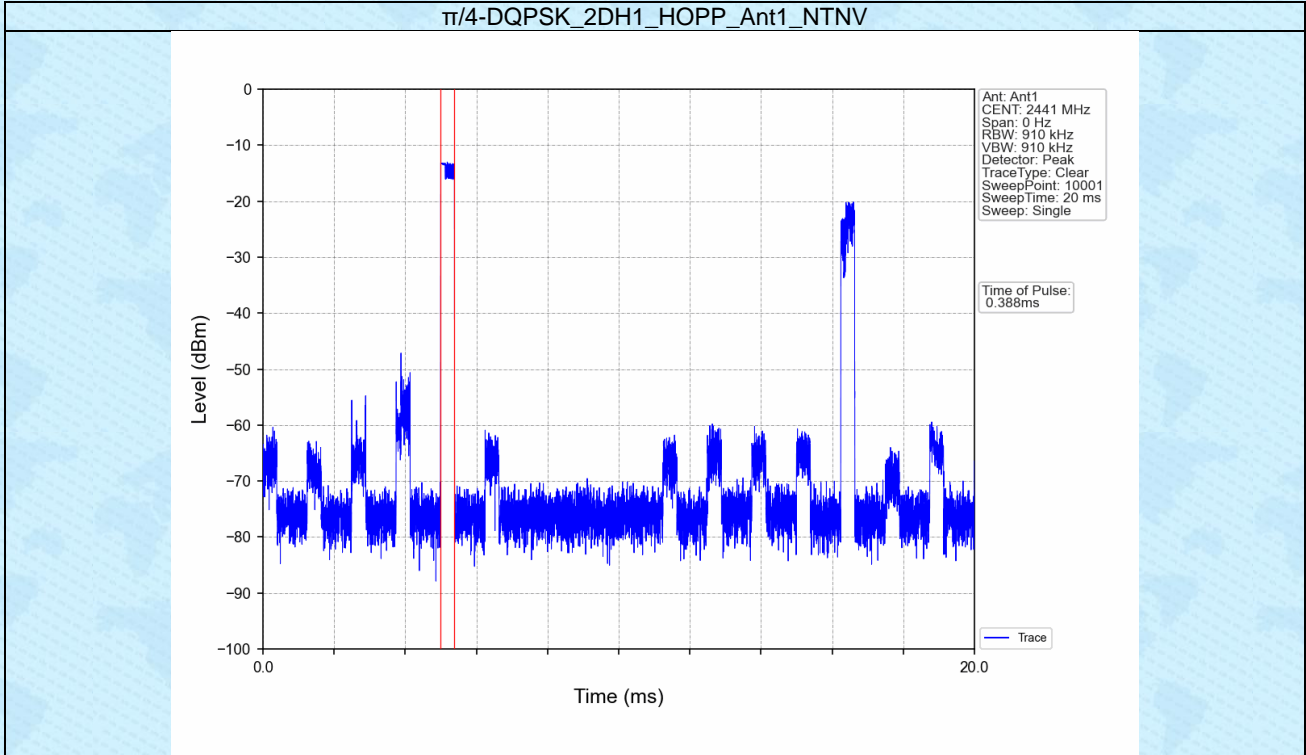


GFSK\_DH5\_HOPP\_Ant1\_NTNV

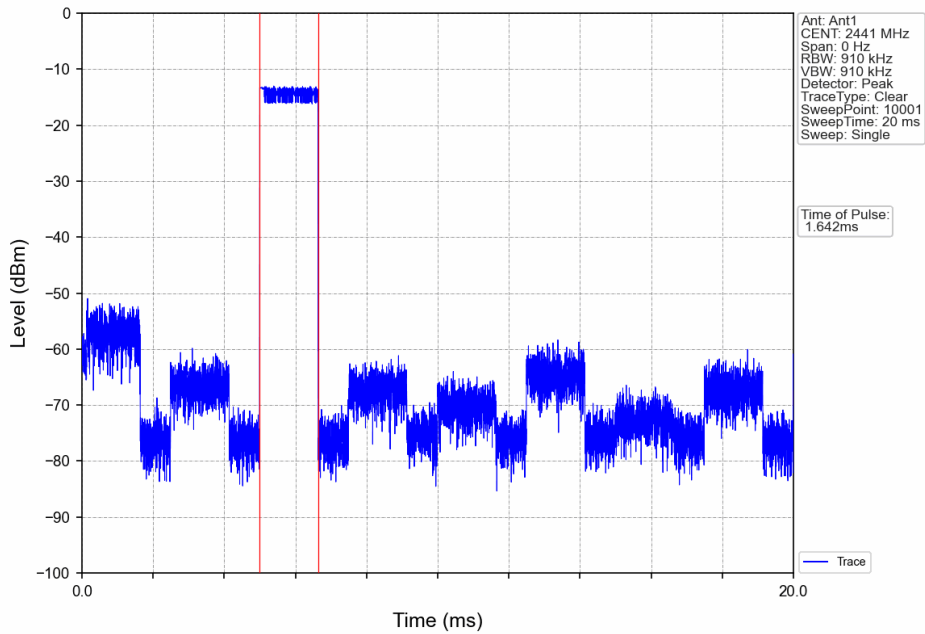


GFSK\_DH5\_HOPP\_Ant1\_NTNV

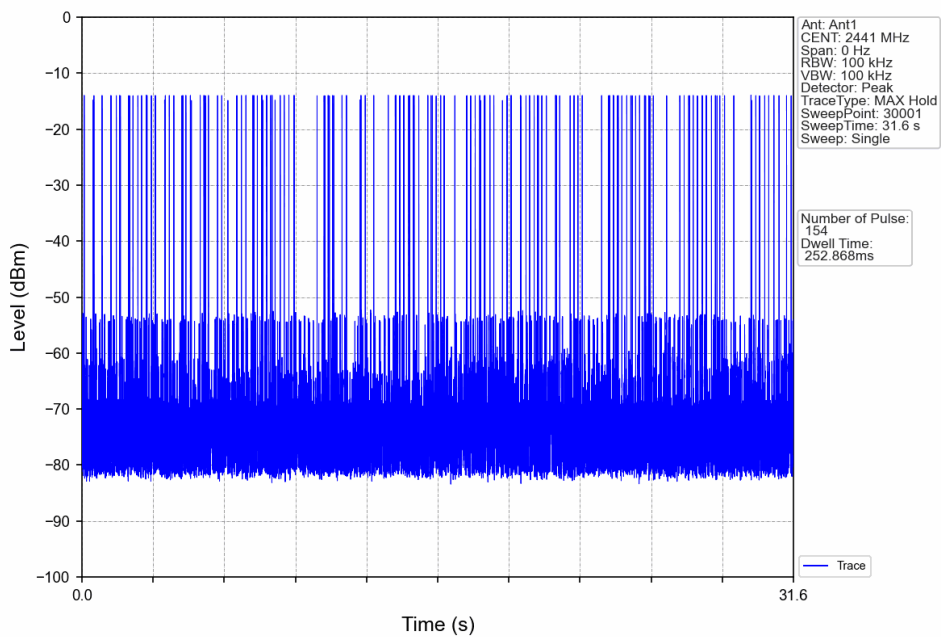




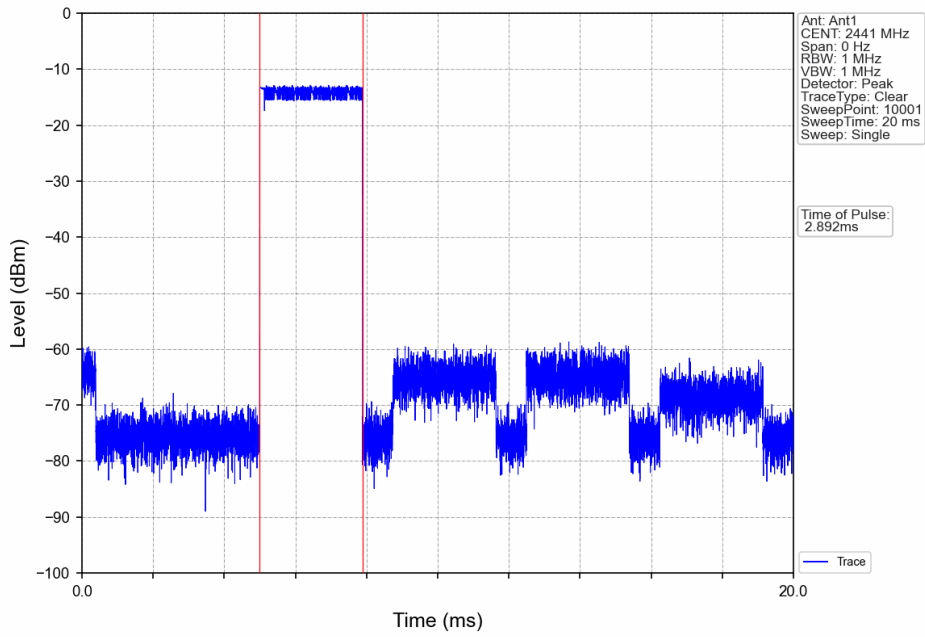
$\pi/4$ -DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



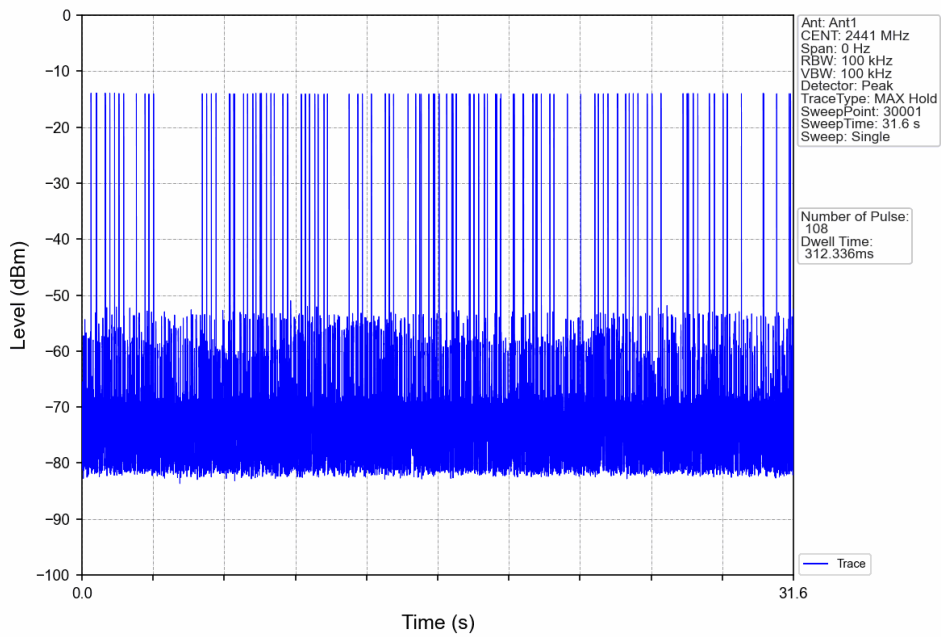
$\pi/4$ -DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



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

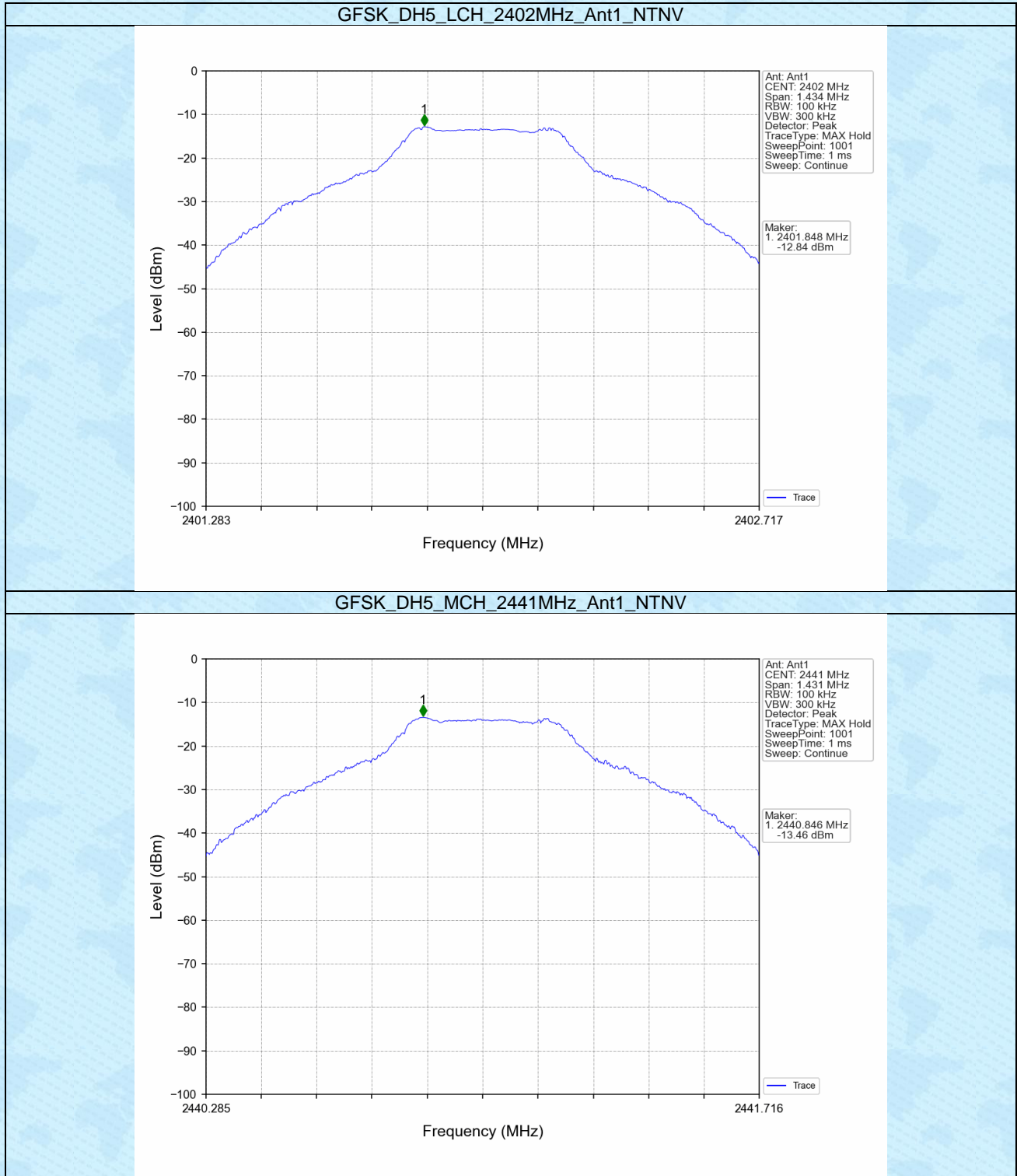
### 6.1 Ref

#### 6.1.1 Test Result

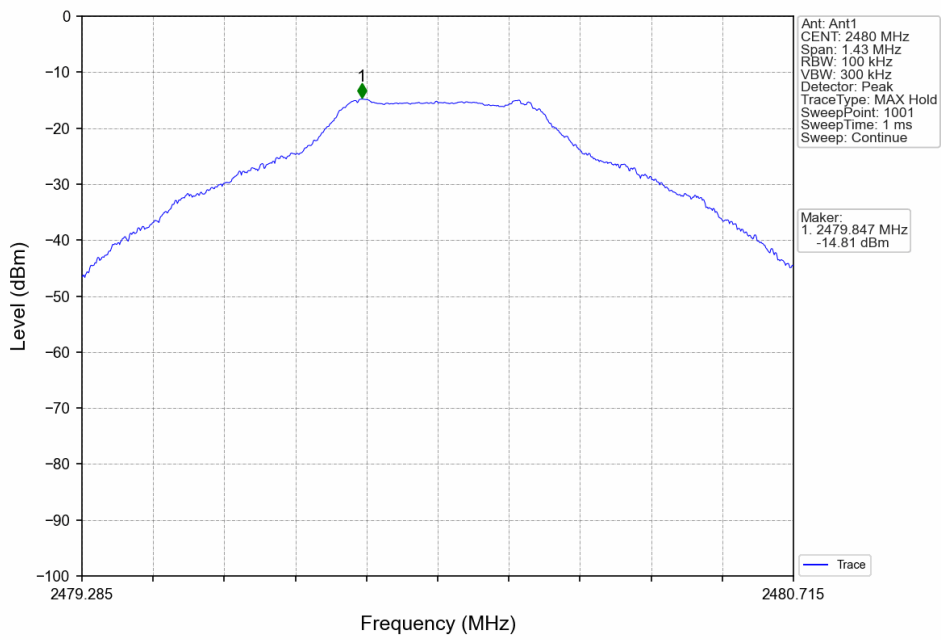
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-12.84
		2441	DH5	1	-13.46
		2480	DH5	1	-14.81
π/4-DQPSK	SISO	2402	2DH5	1	-12.96
		2441	2DH5	1	-13.37
		2480	2DH5	1	-14.45

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.

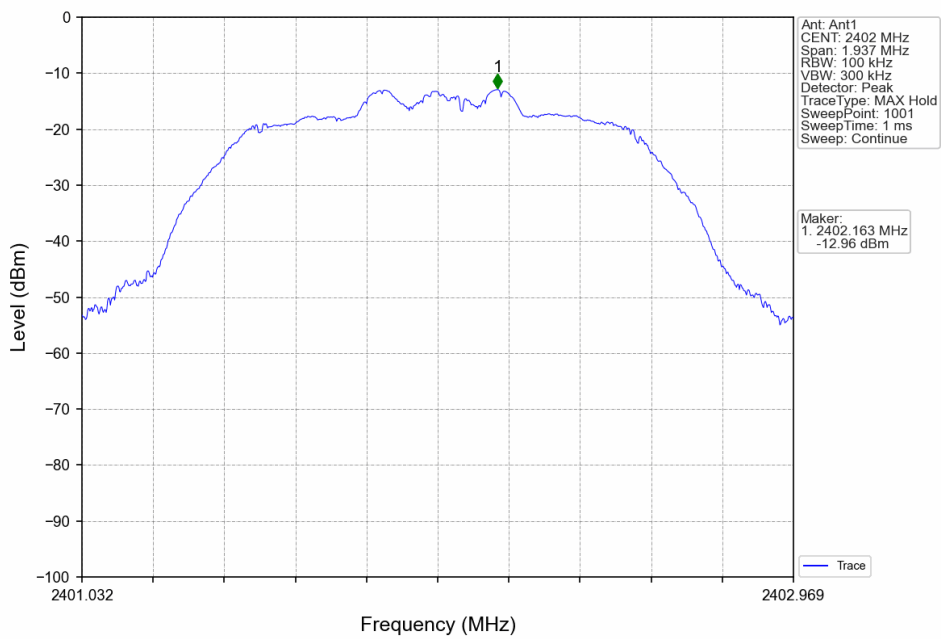
## 6.1.2 Test Graph



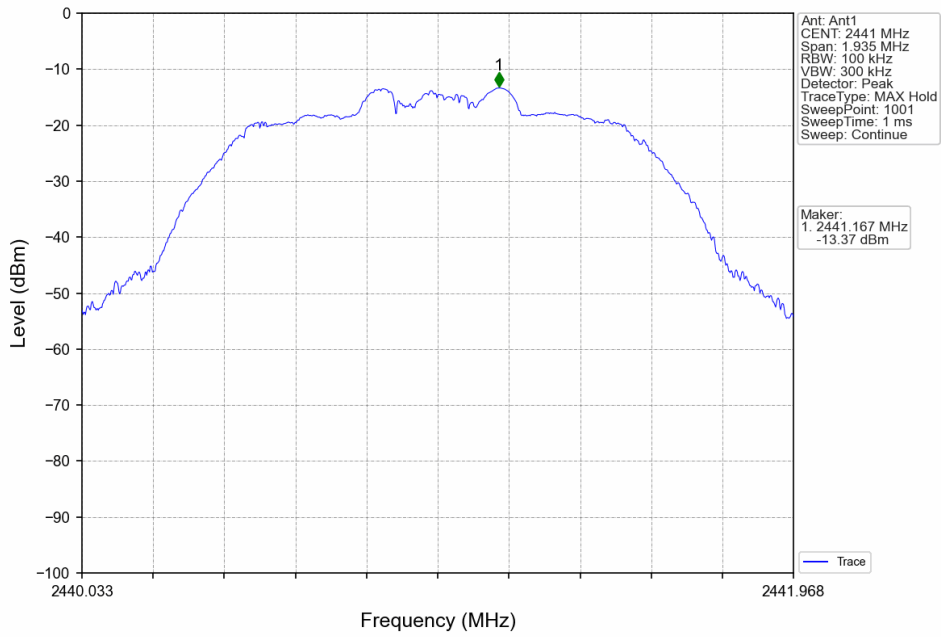
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



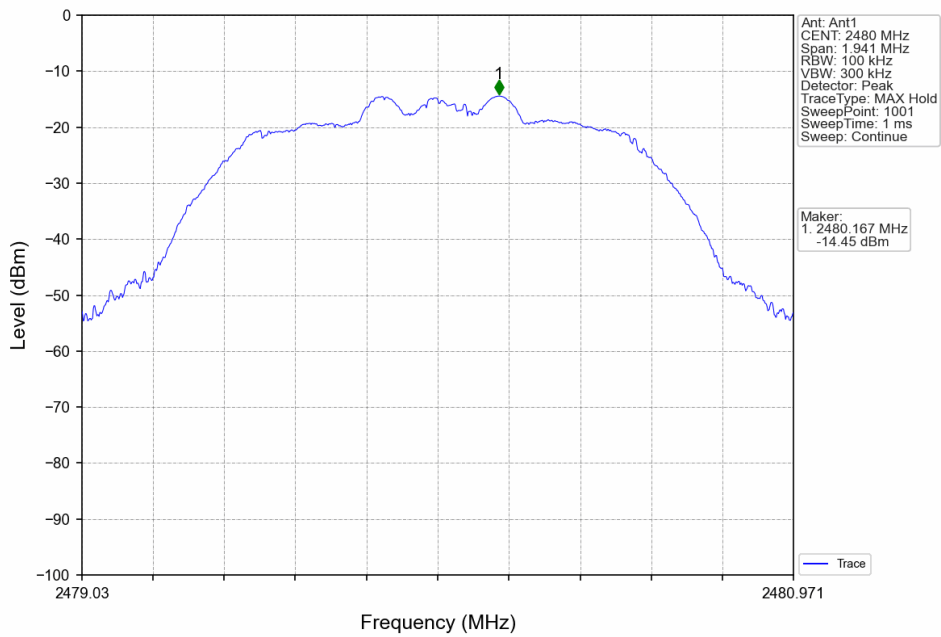
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTV



$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTV





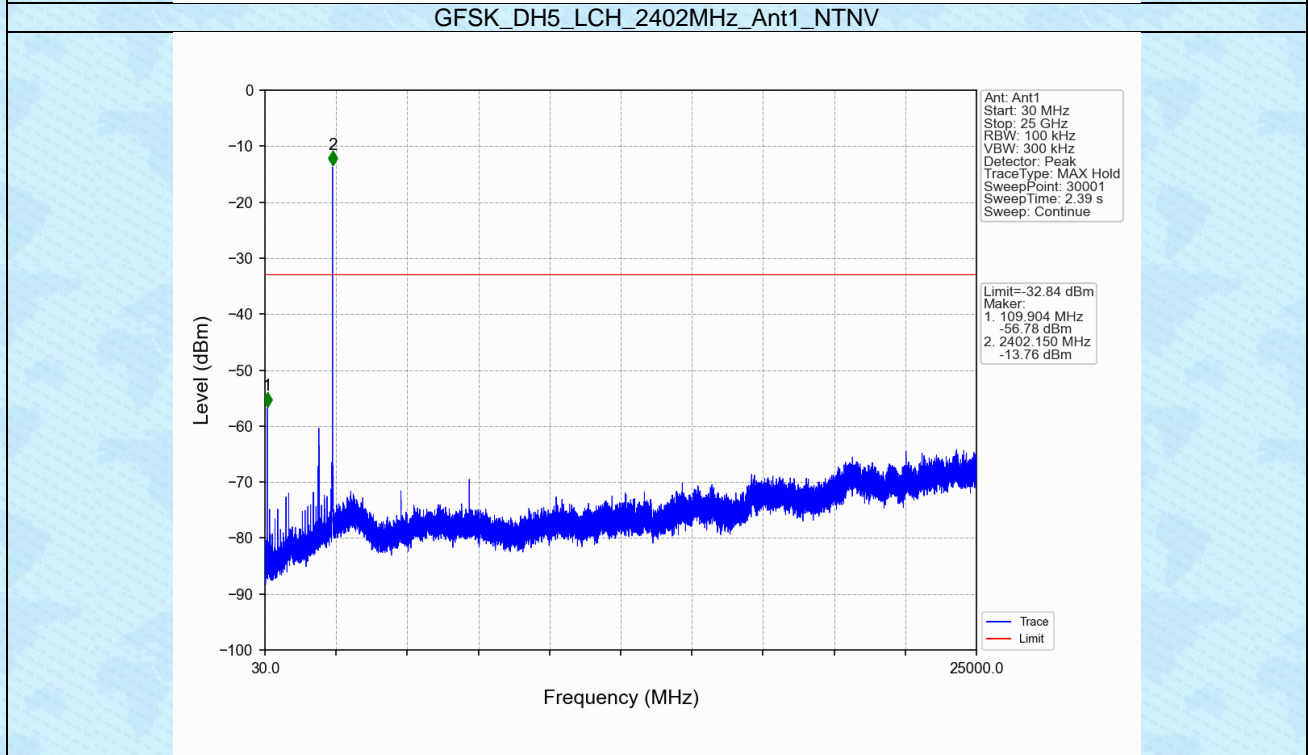
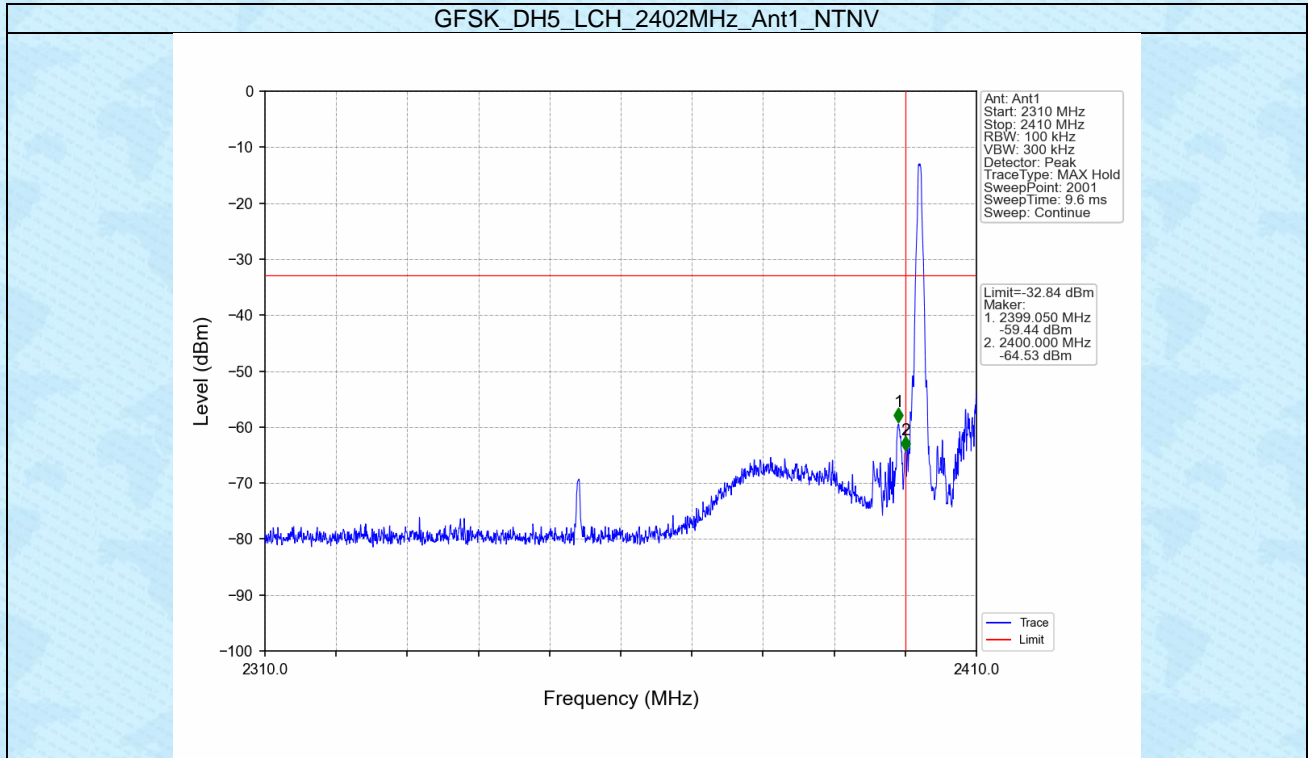
## 6.2 CSE

### 6.2.1 Test Result

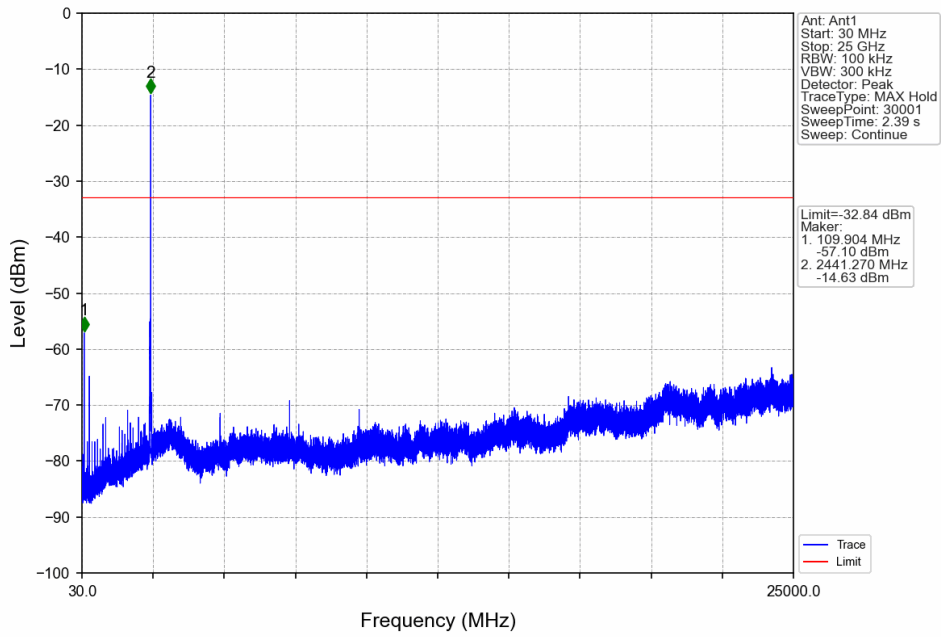
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-12.84	-32.84	Pass
		2441	DH5	1	-12.84	-32.84	Pass
		2480	DH5	1	-12.84	-32.84	Pass
		HOPP	DH5	1	-12.84	-32.84	Pass
$\pi/4$ -DQPSK	SISO	2402	2DH5	1	-12.96	-32.96	Pass
		2441	2DH5	1	-12.96	-32.96	Pass
		2480	2DH5	1	-12.96	-32.96	Pass
		HOPP	2DH5	1	-12.96	-32.96	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.

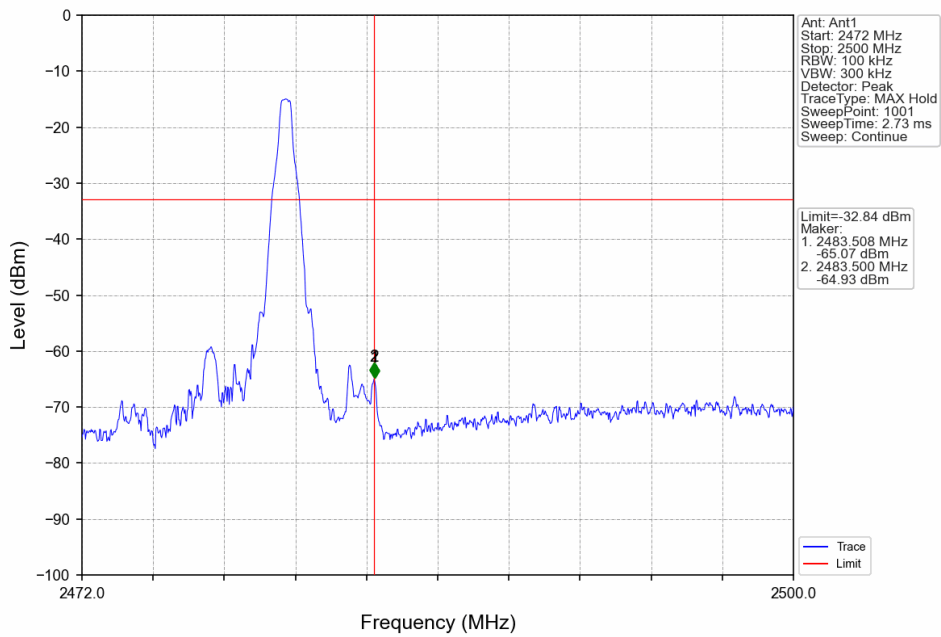
## 6.2.2 Test Graph



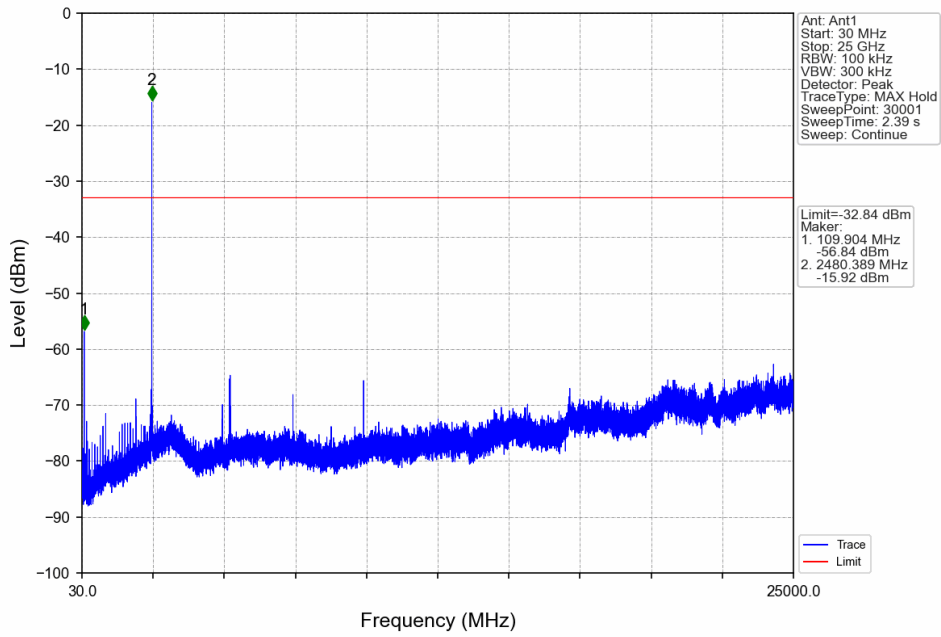
GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



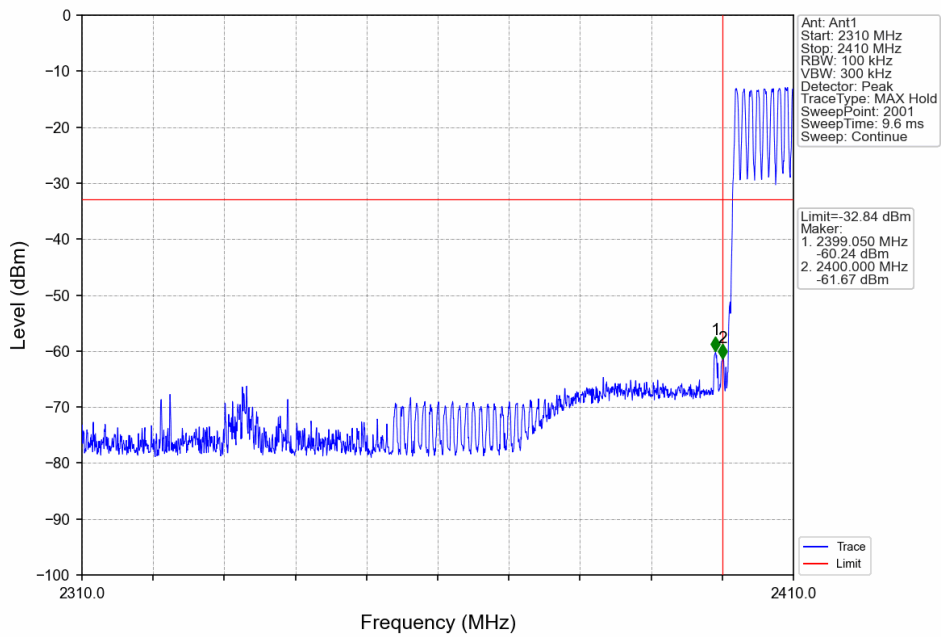
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV

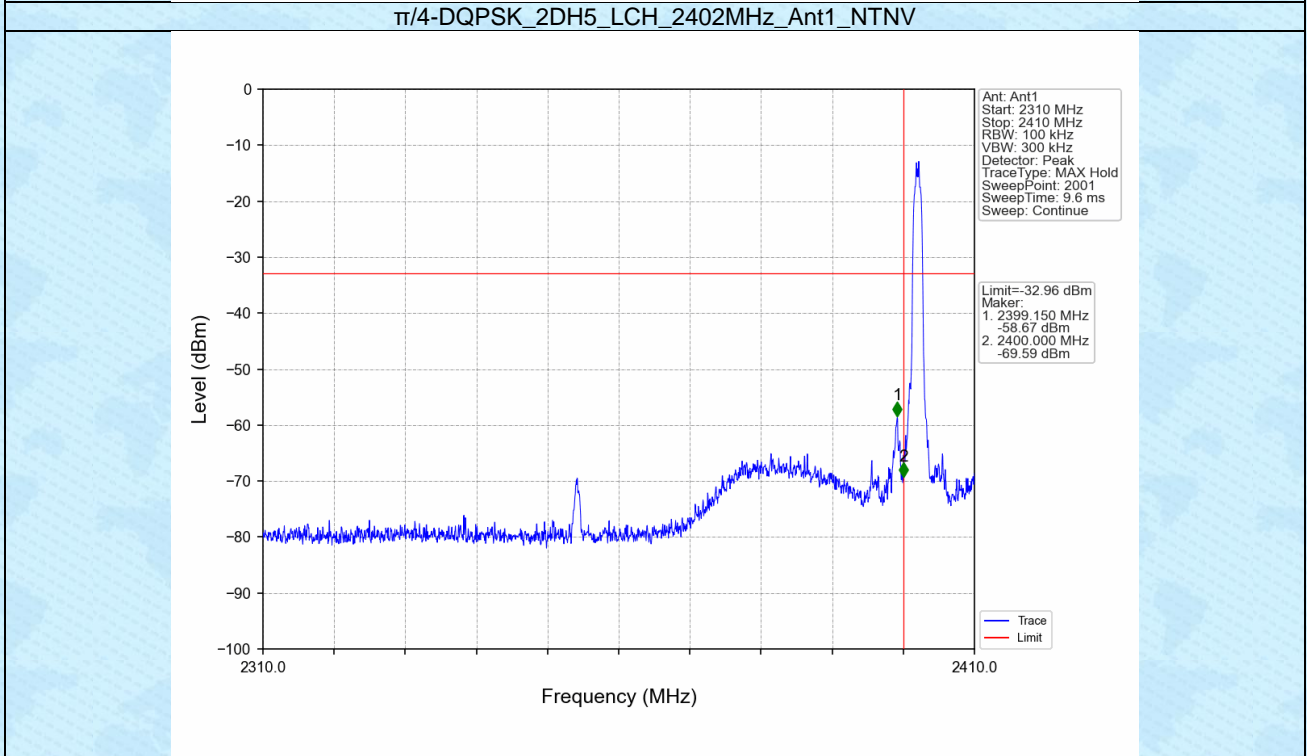
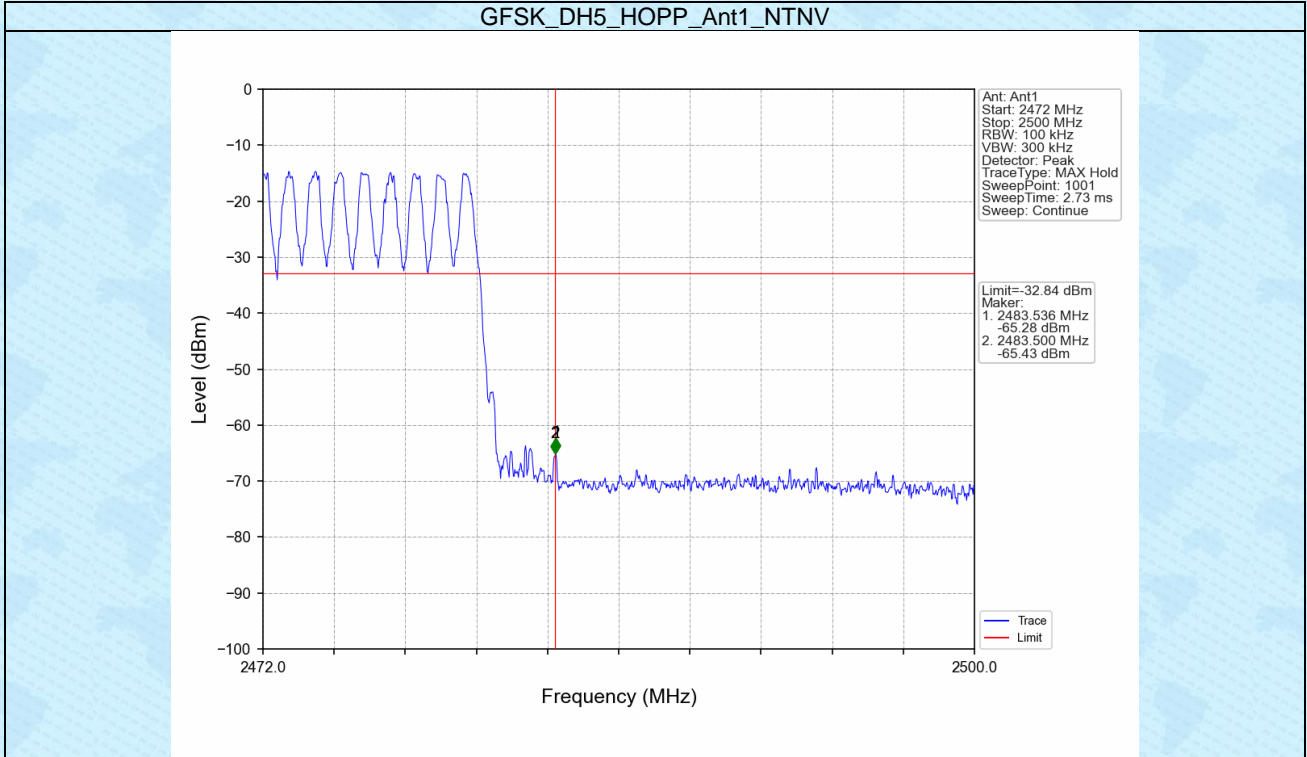


GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV

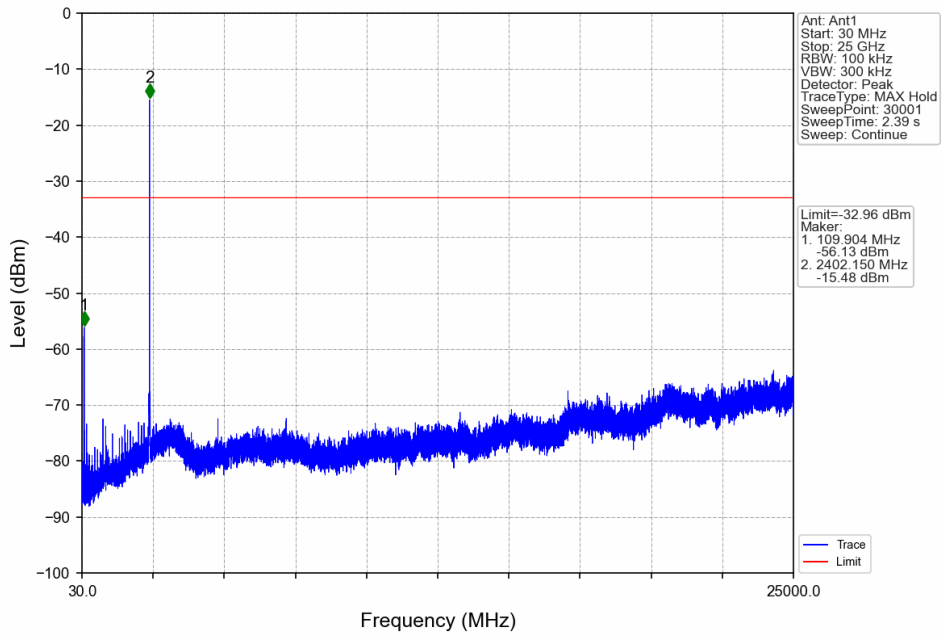


GFSK\_DH5\_HOPP\_Ant1\_NTNV

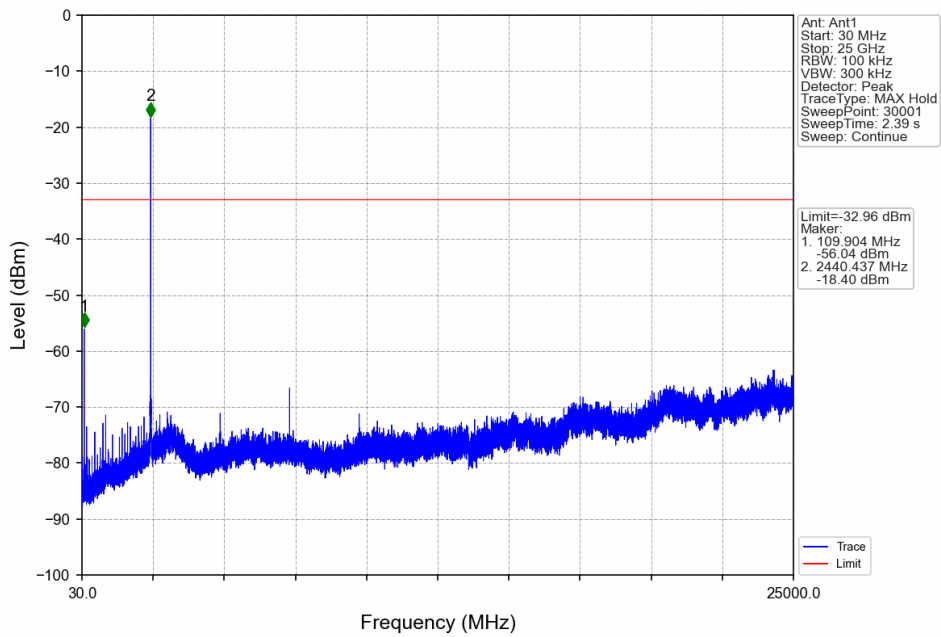


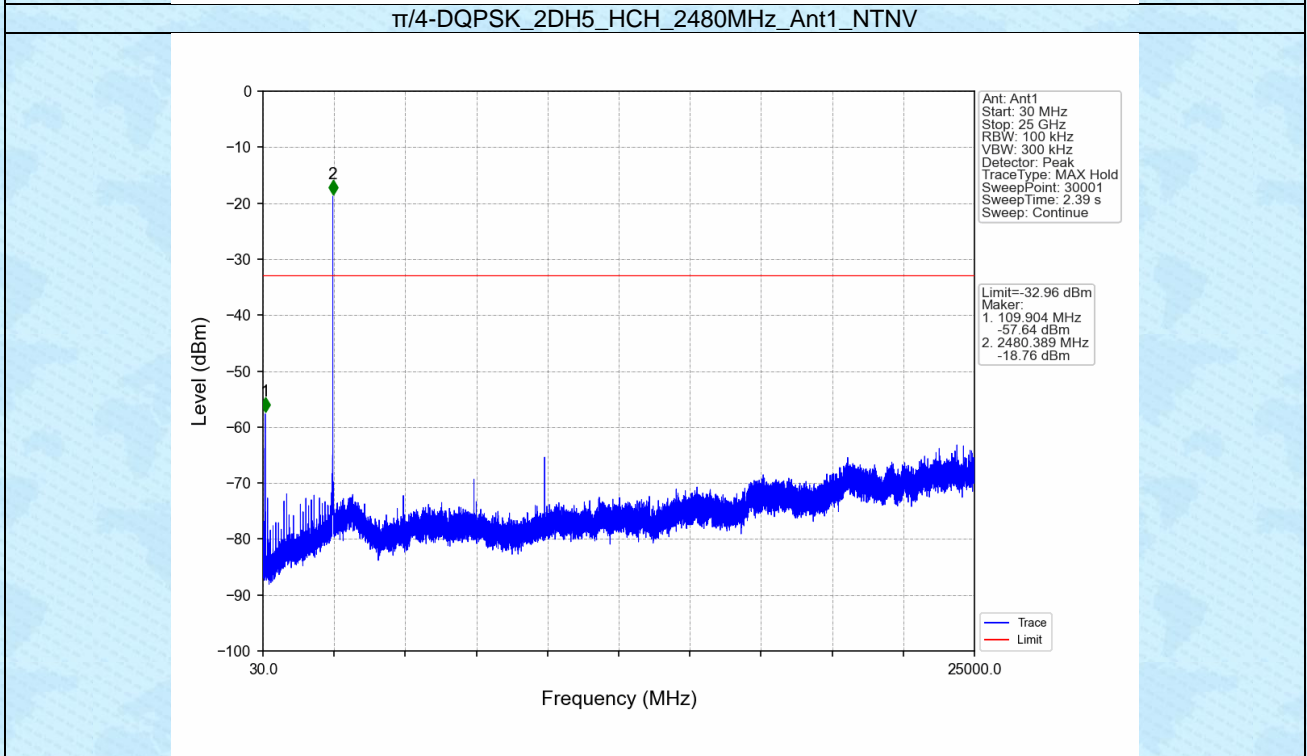
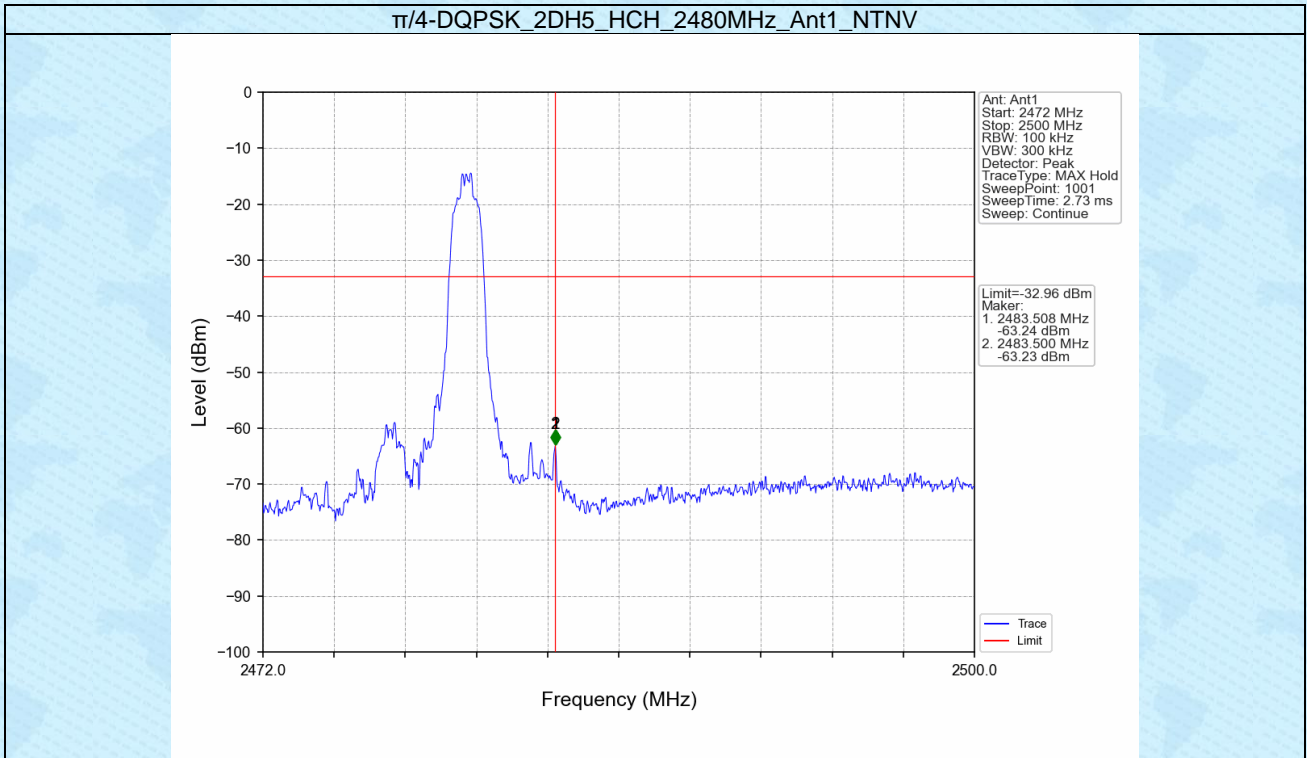


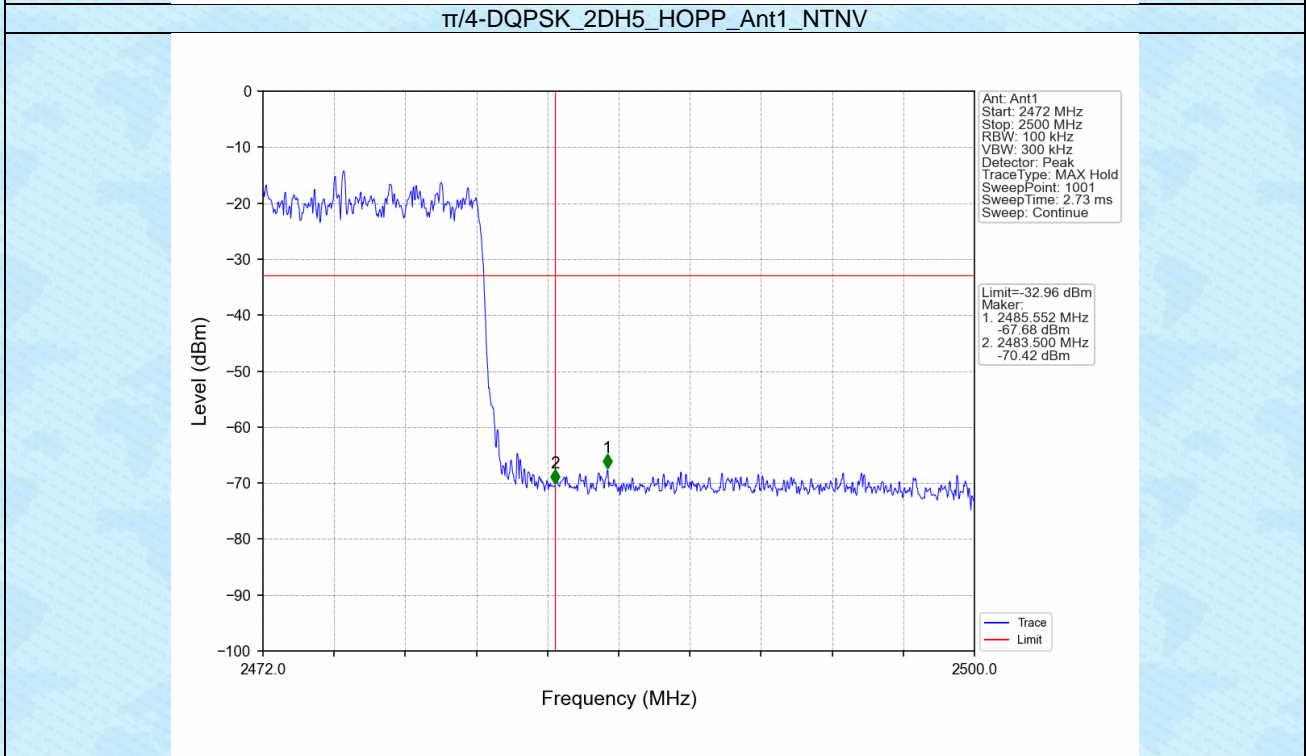
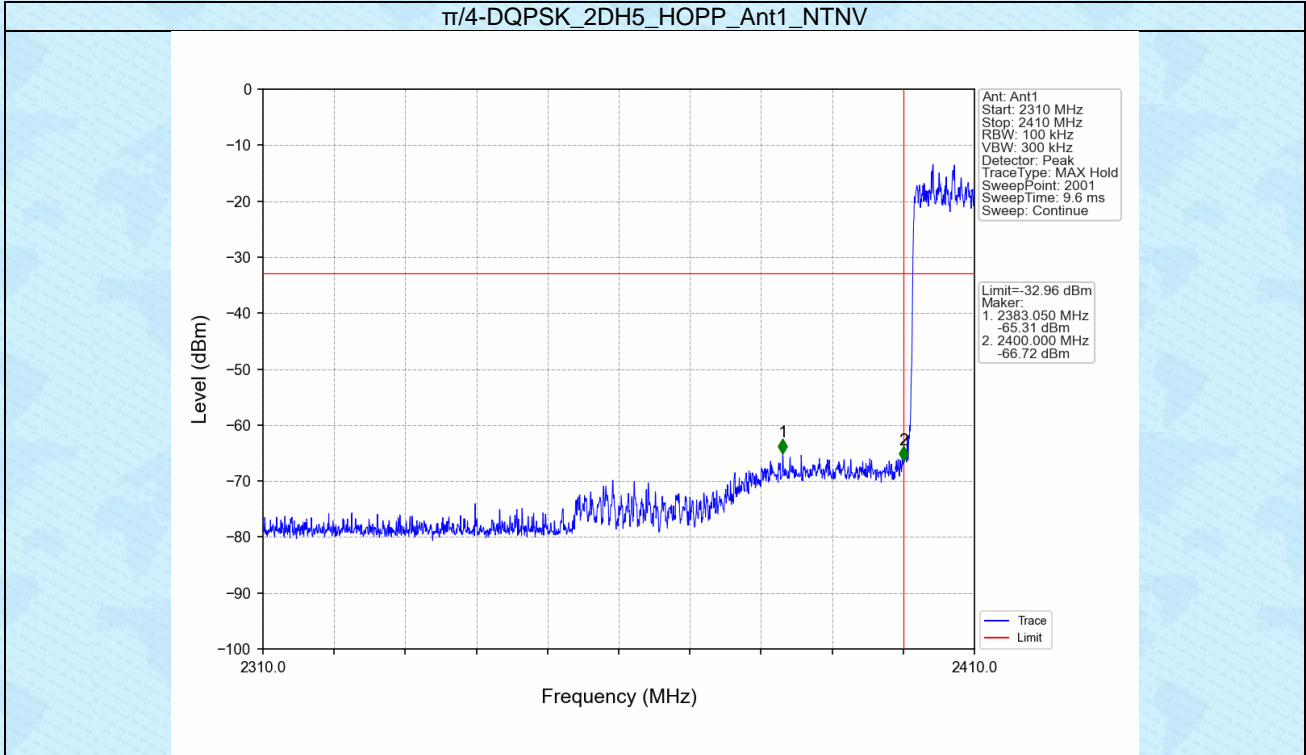
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV







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