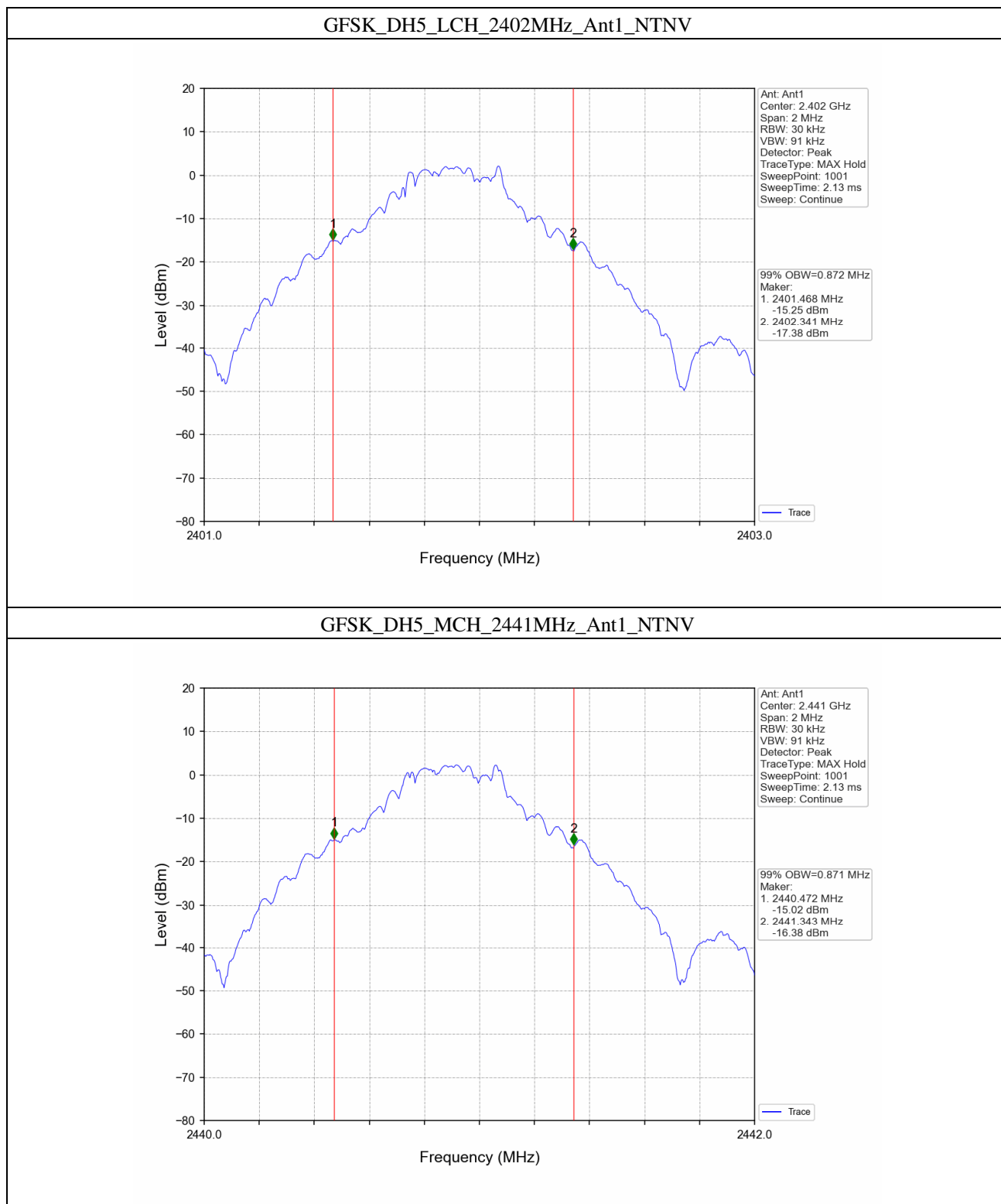
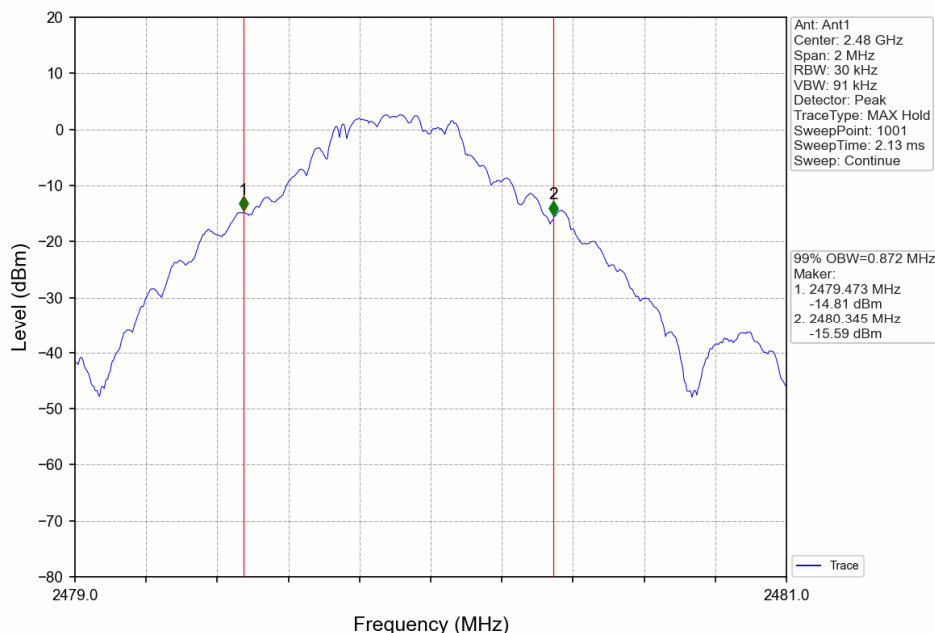


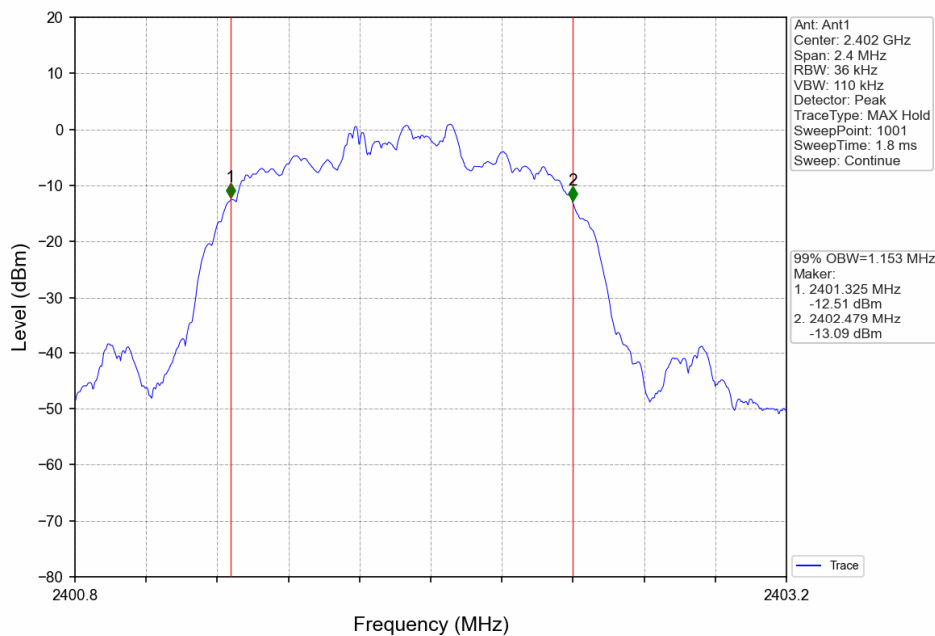
## 1.1.2 Test Graph



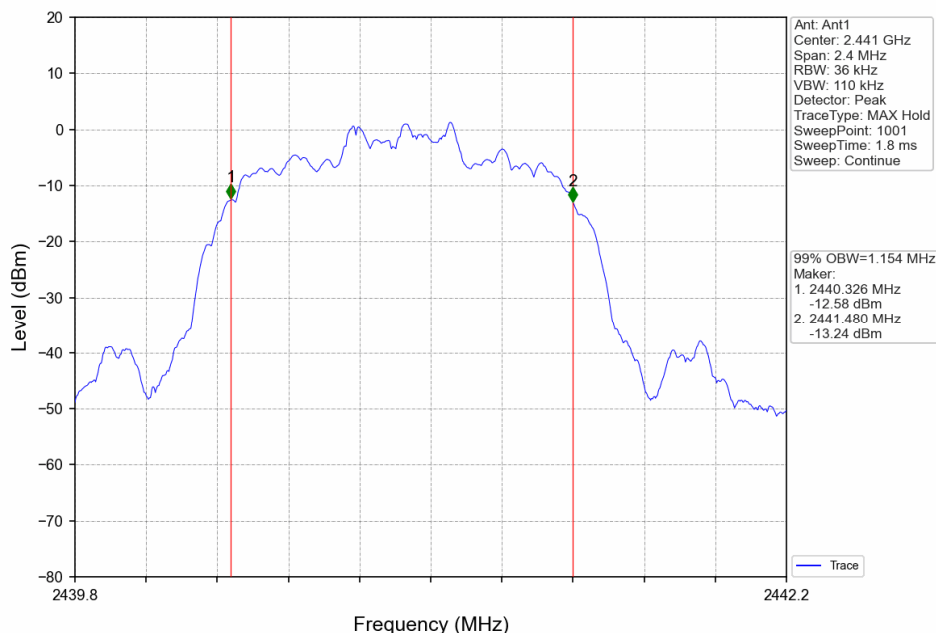
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



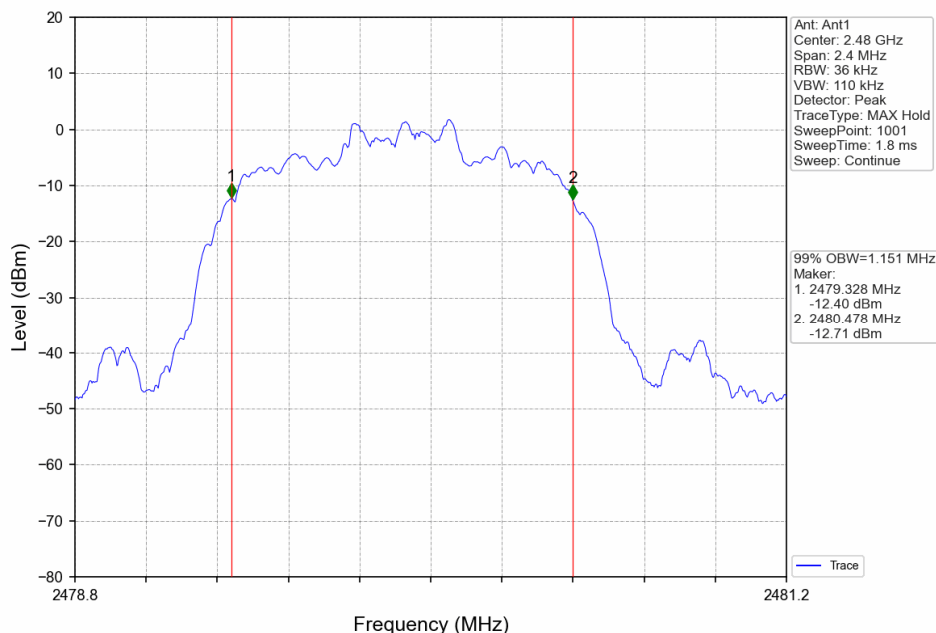
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



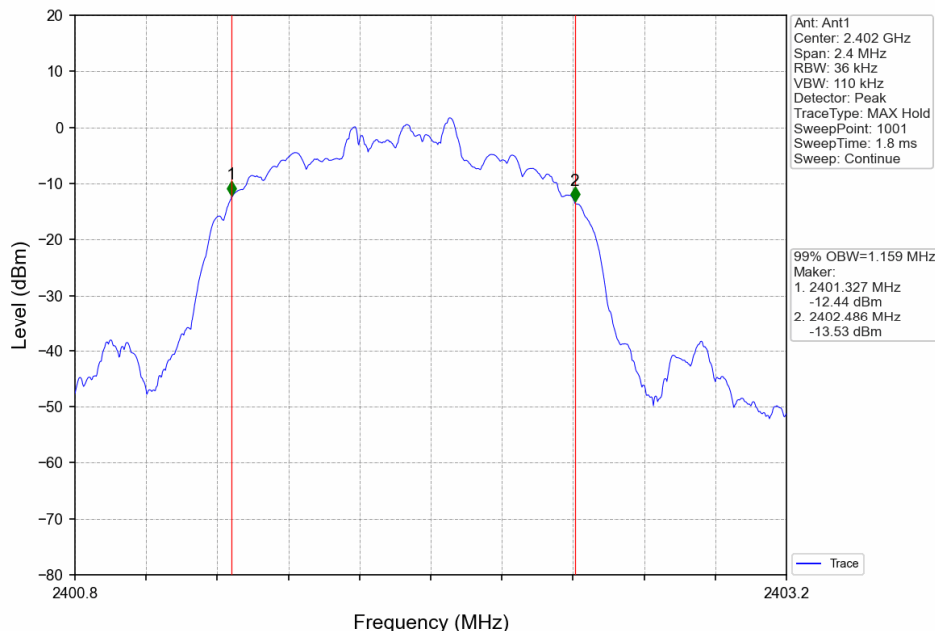
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



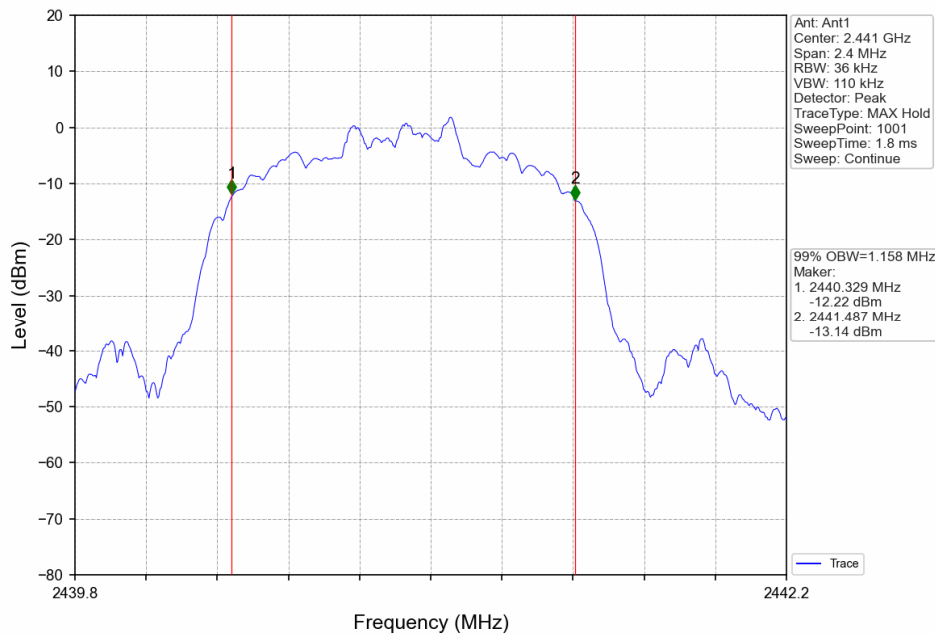
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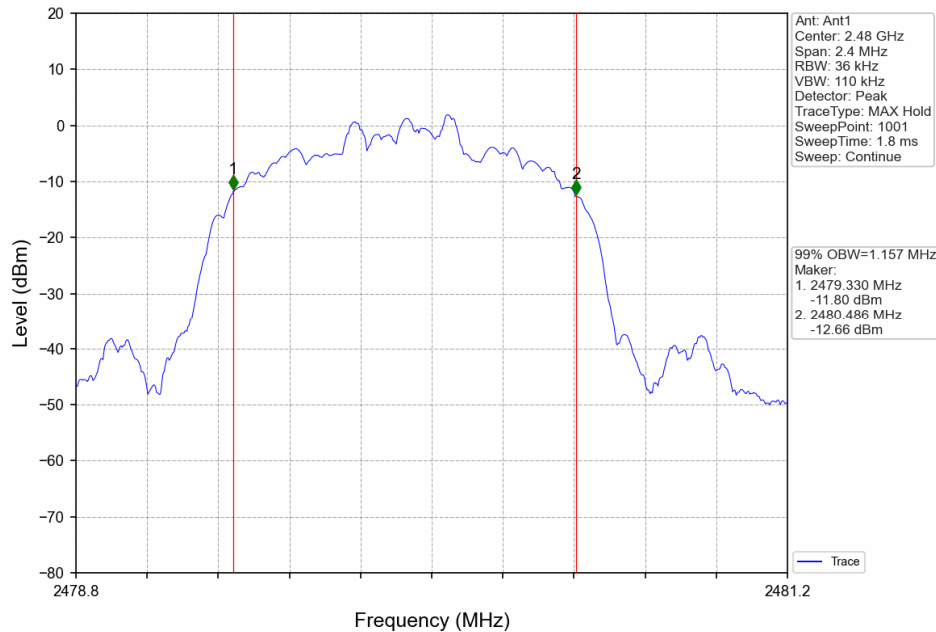
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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



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



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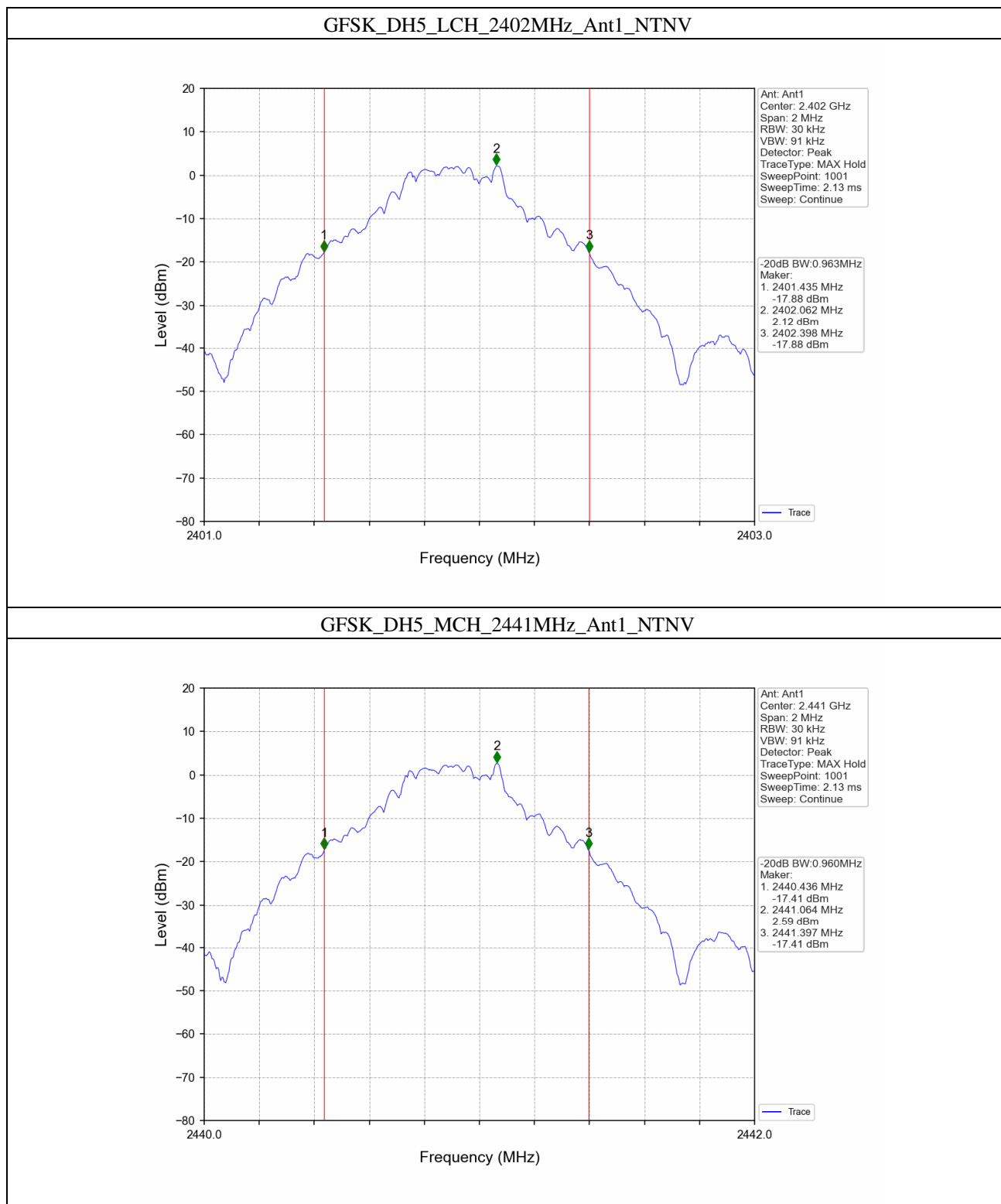


## 1.2 20dB BW

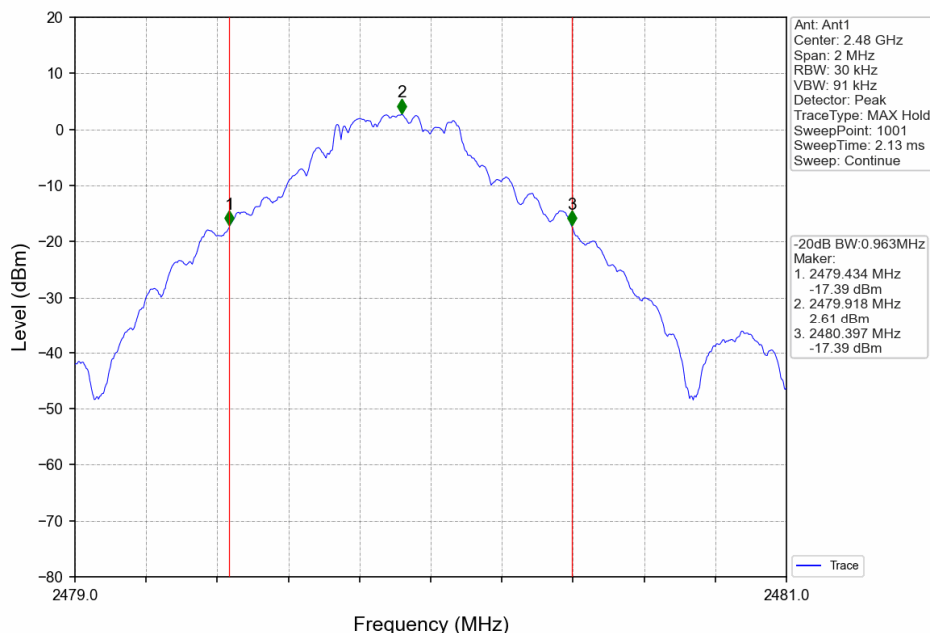
## 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.963	Pass
		2441	DH5	1	0.960	Pass
		2480	DH5	1	0.963	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.288	Pass
		2441	2DH5	1	1.285	Pass
		2480	2DH5	1	1.286	Pass
8DPSK	SISO	2402	3DH5	1	1.288	Pass
		2441	3DH5	1	1.288	Pass
		2480	3DH5	1	1.288	Pass

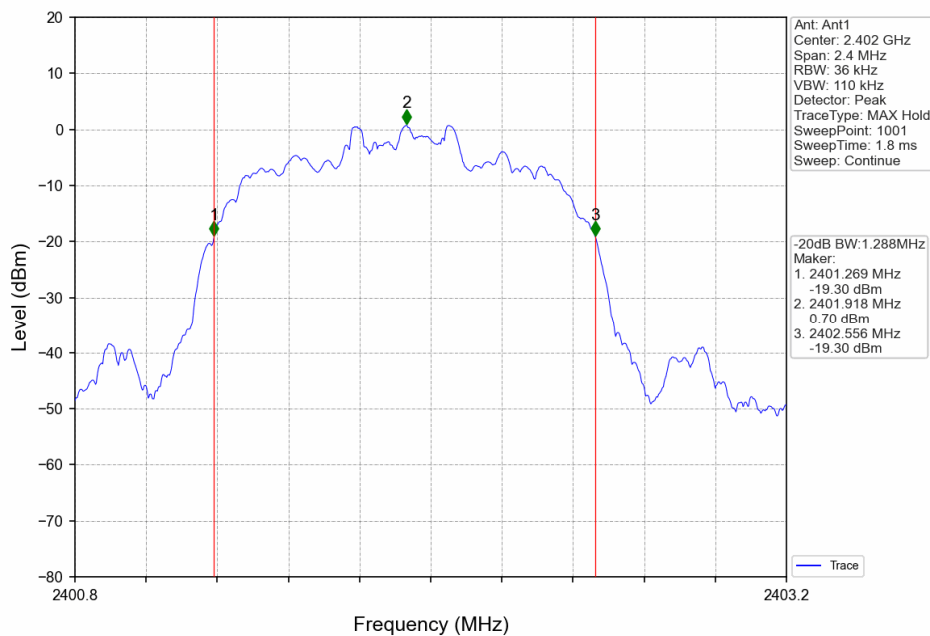
## 1.2.2 Test Graph



GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV

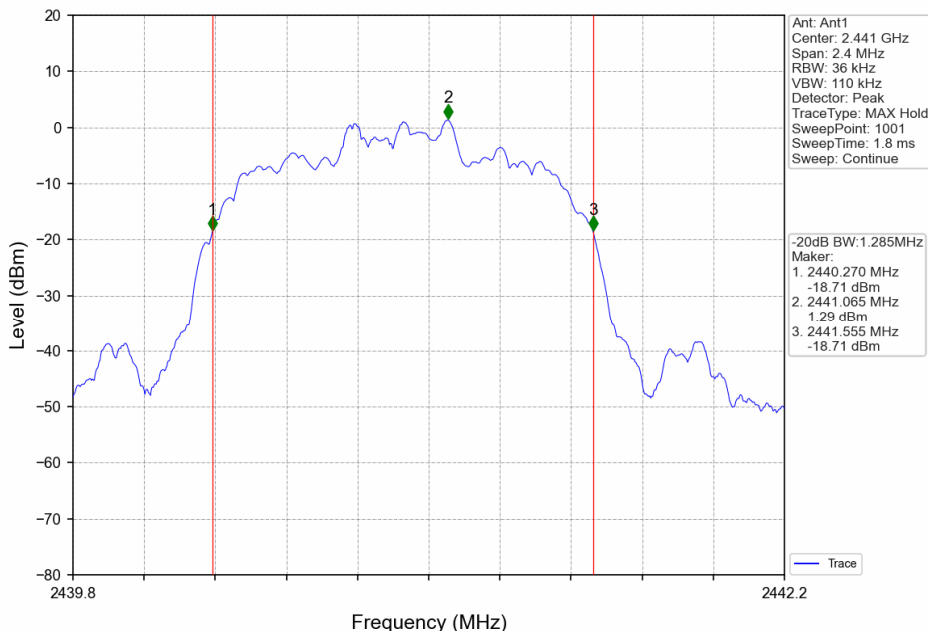


Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV

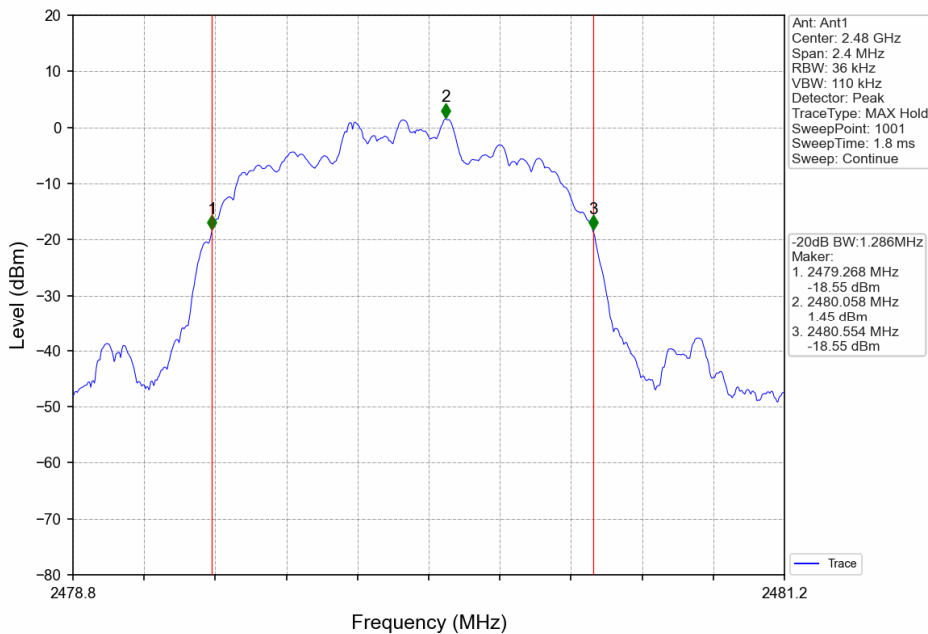




Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

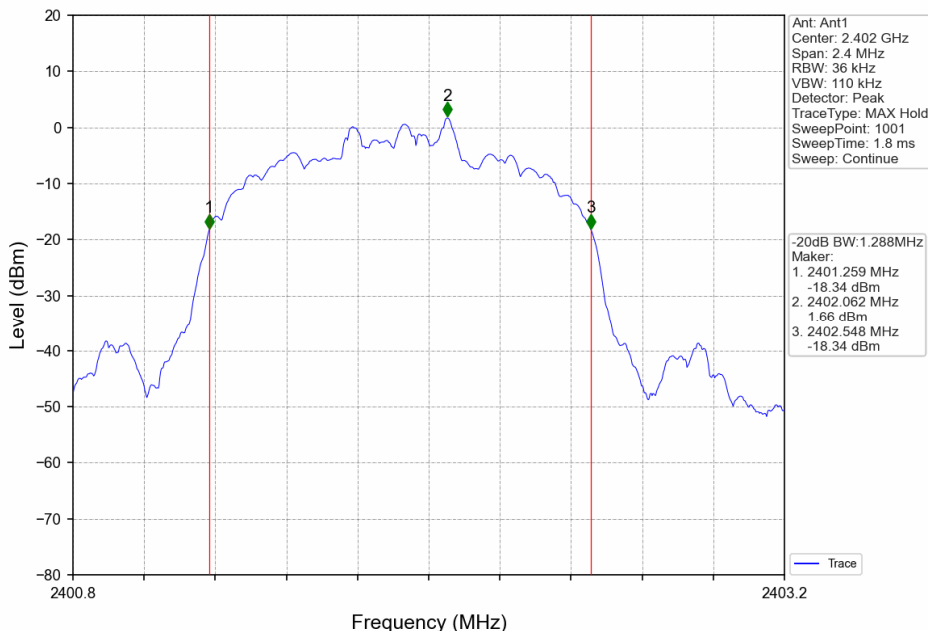


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

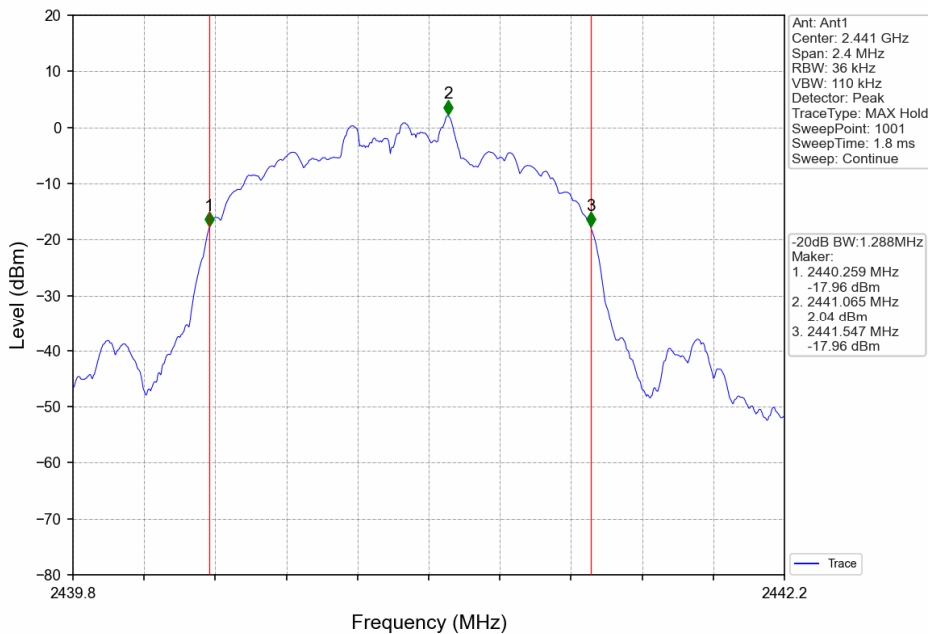


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8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



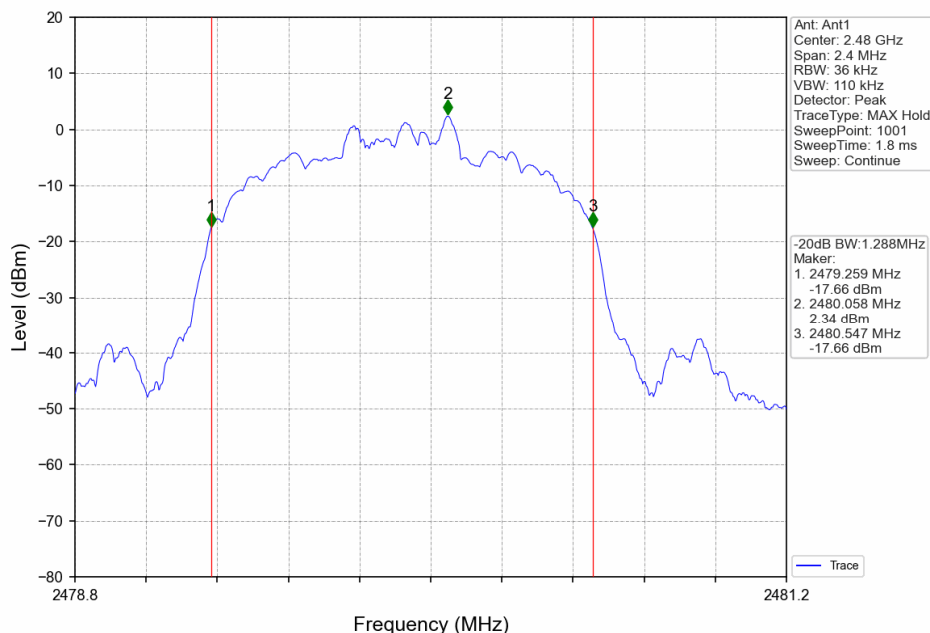
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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

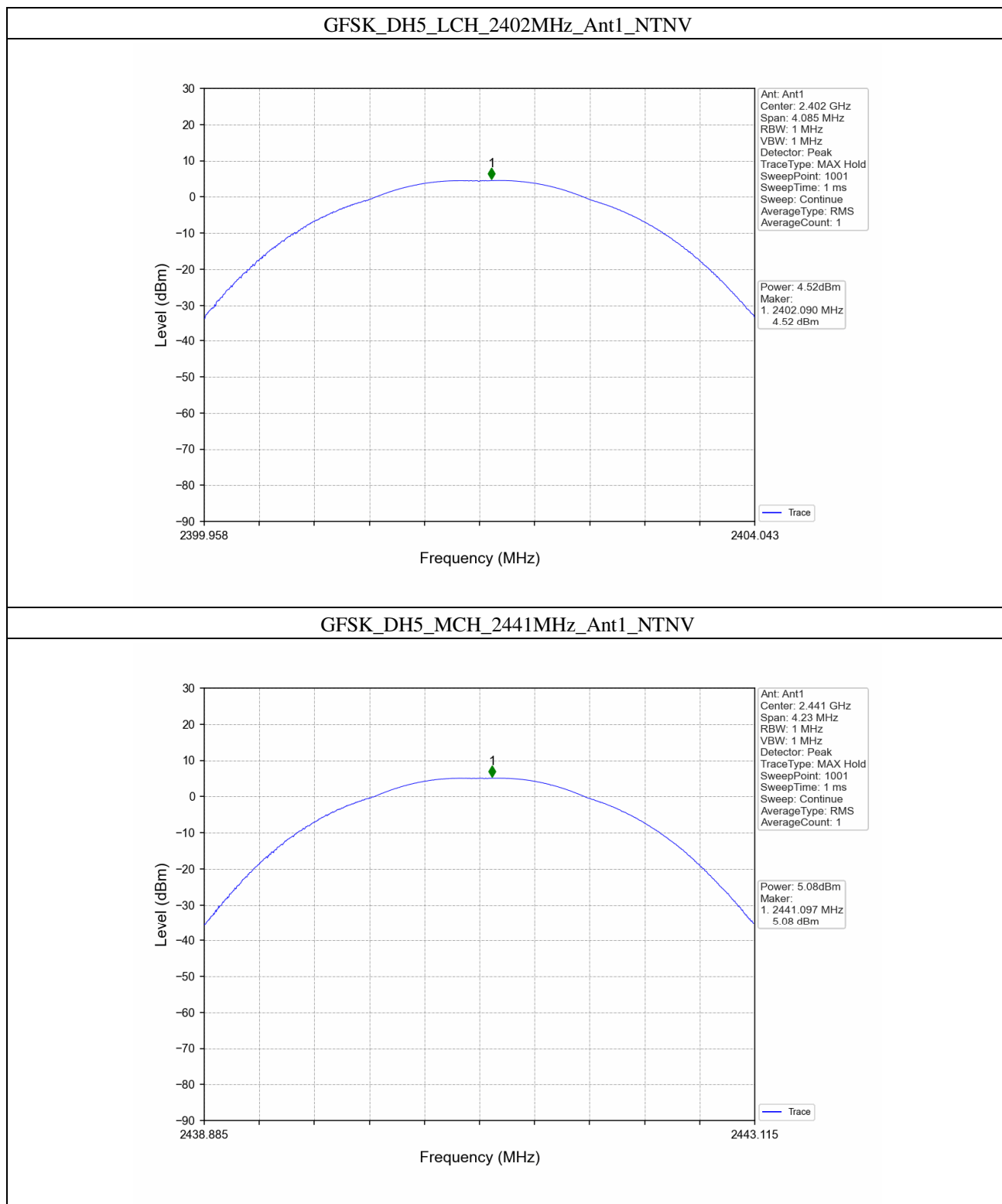


## 2. Maximum Conducted Output Power

### 2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				Ant1	Limit	
GFSK	SISO	2402	DH5	4.52	<=30	Pass
		2441	DH5	5.08	<=30	Pass
		2480	DH5	5.37	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	4.57	<=20.97	Pass
		2441	2DH5	5.09	<=20.97	Pass
		2480	2DH5	5.37	<=20.97	Pass
8DPSK	SISO	2402	3DH5	4.58	<=20.97	Pass
		2441	3DH5	5.08	<=20.97	Pass
		2480	3DH5	5.38	<=20.97	Pass

## Test Graph

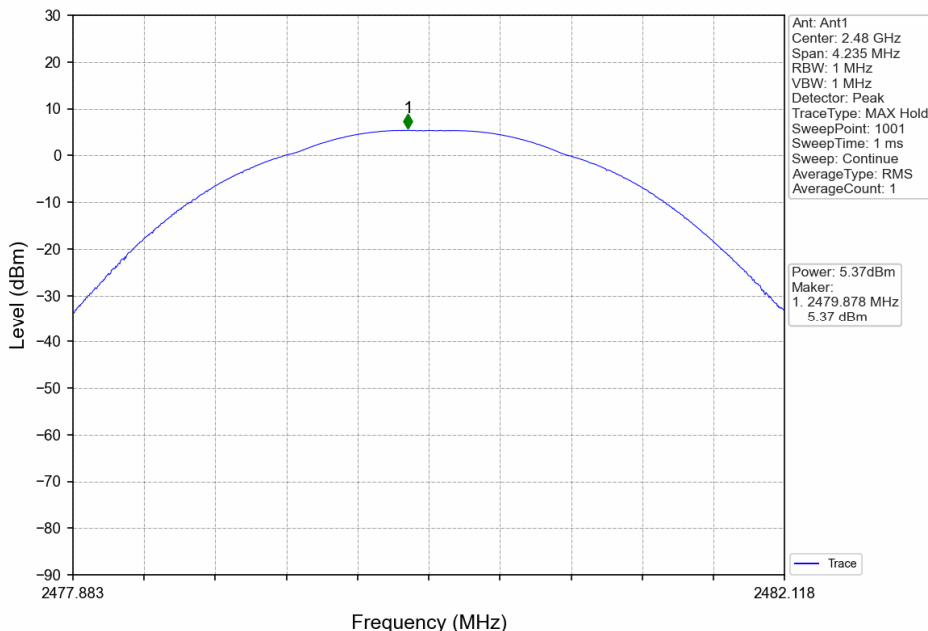


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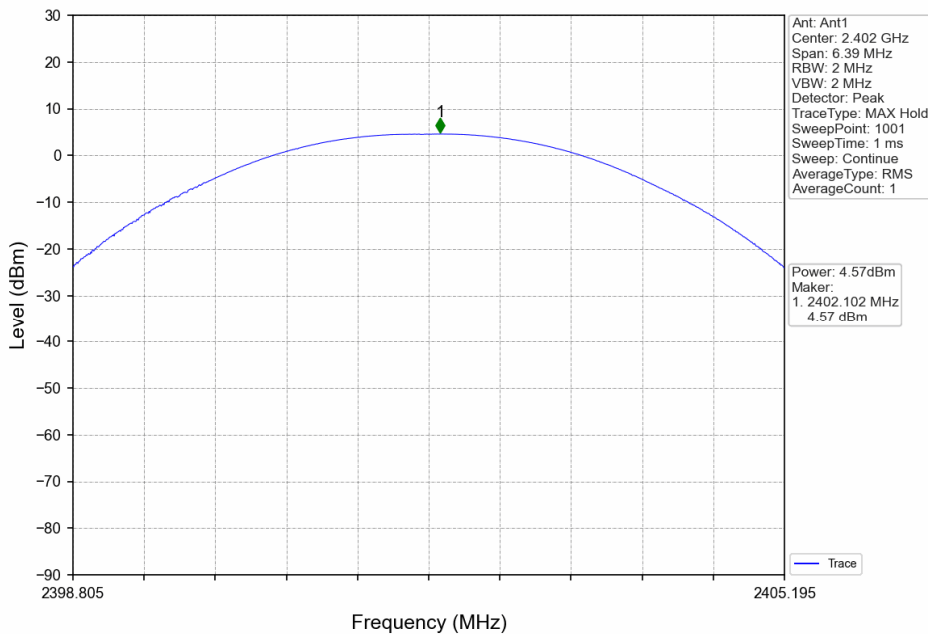
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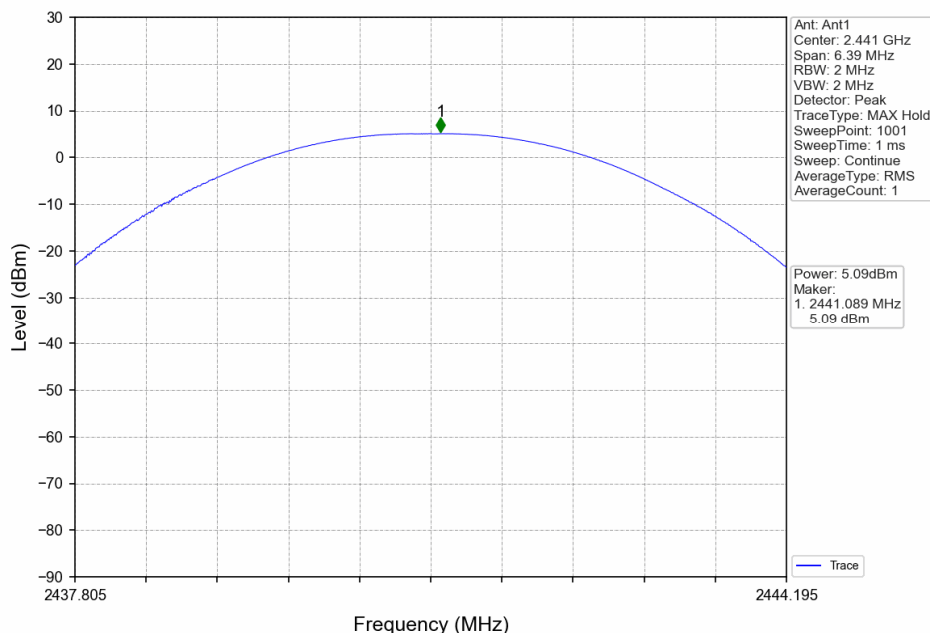
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



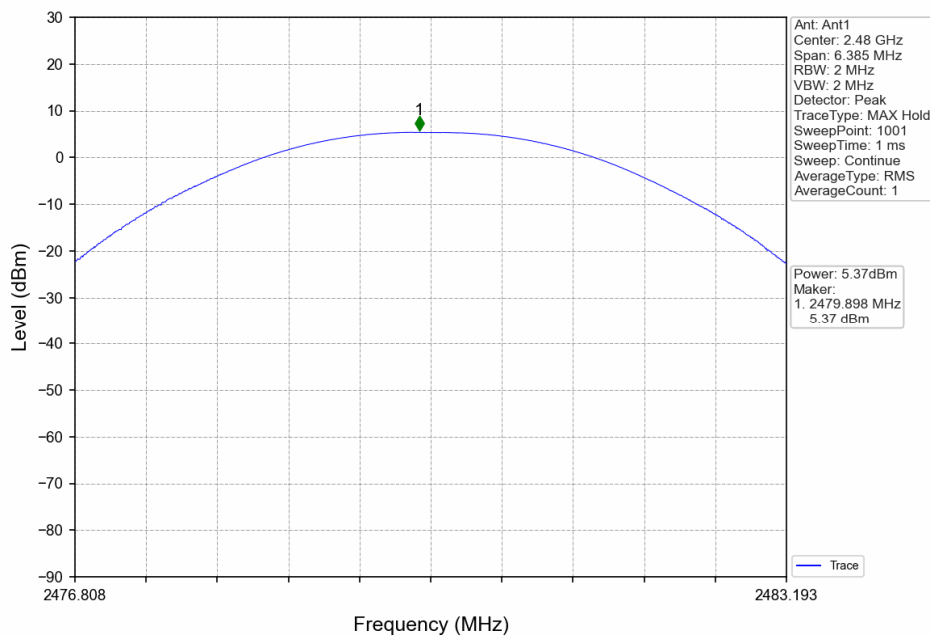
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



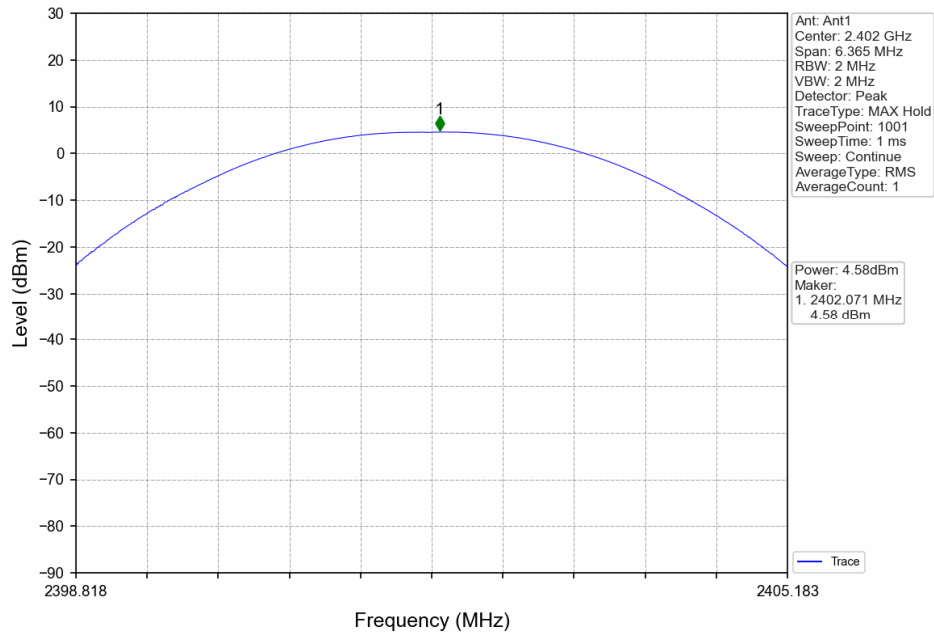
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



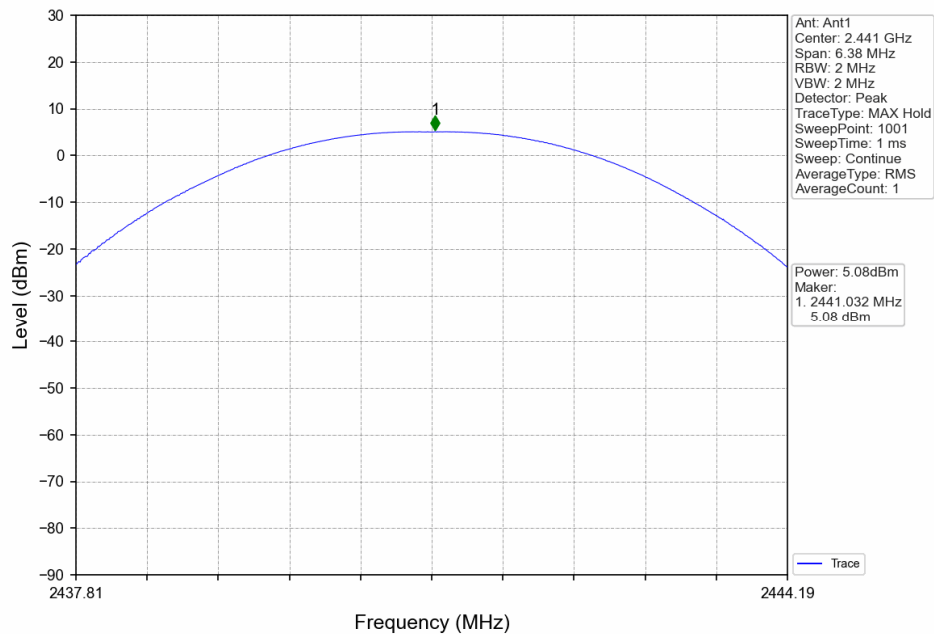
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



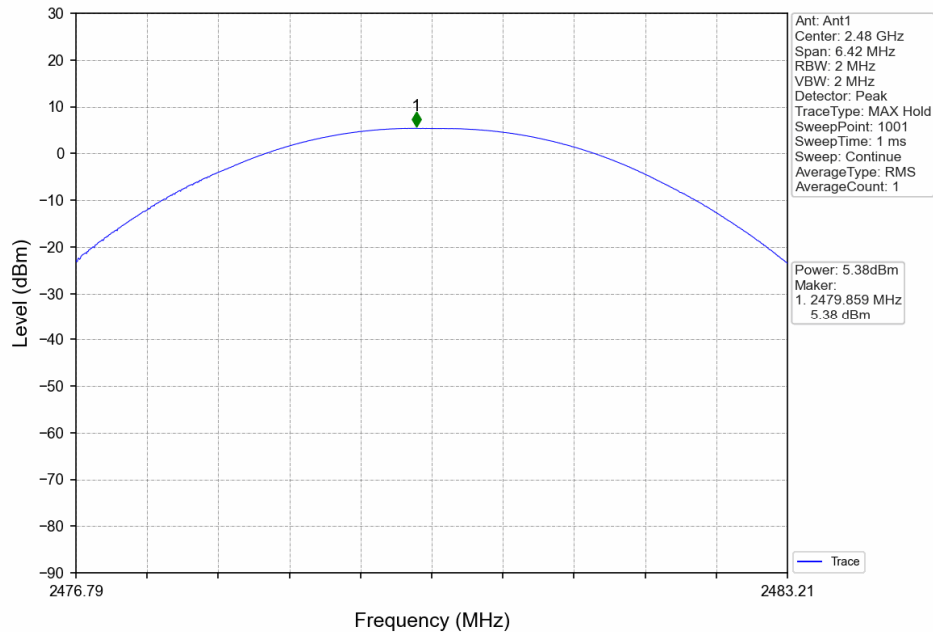
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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



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### 3. Carrier Frequency Separation

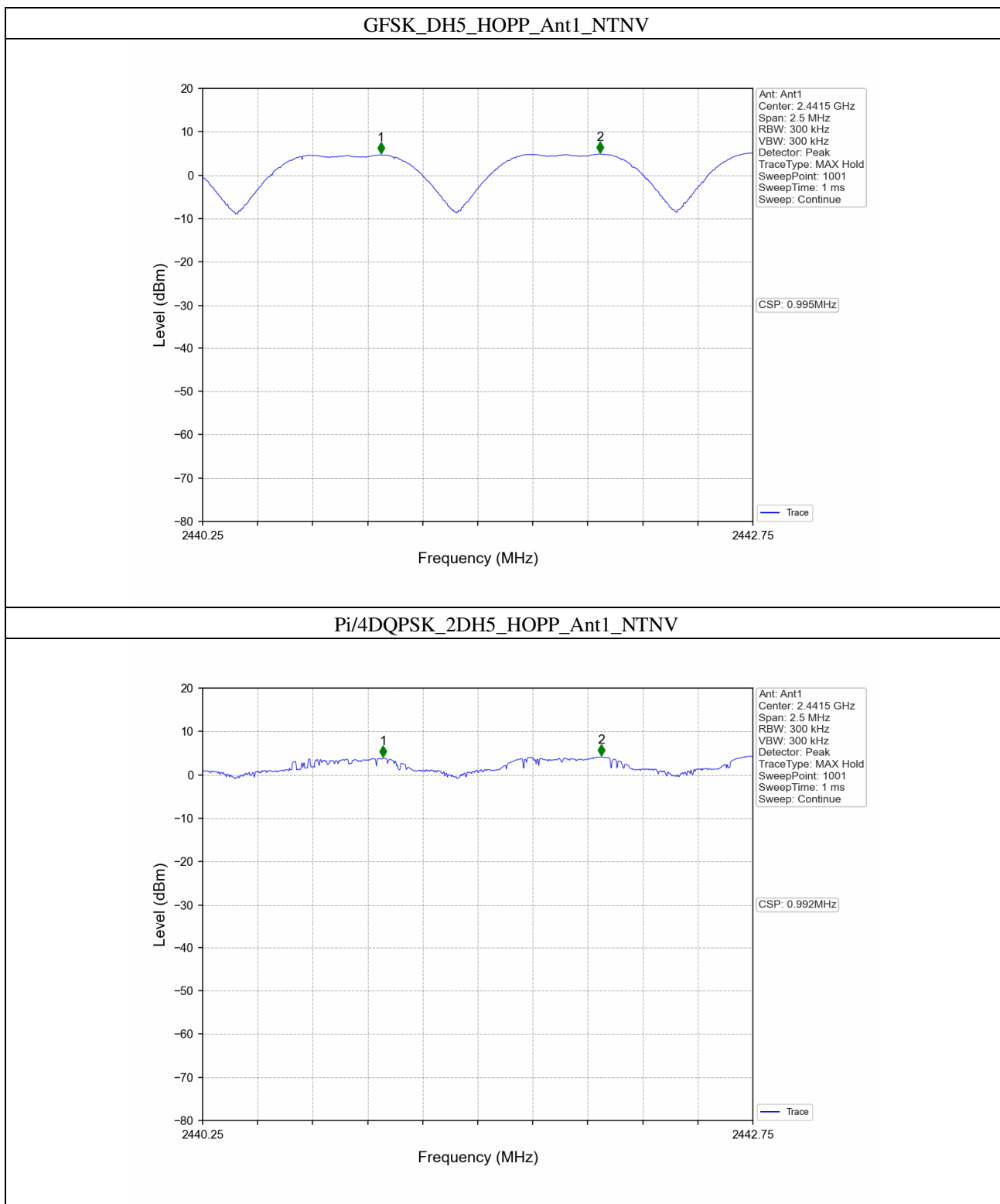
#### 3.1 Ant1

##### 3.1.1 Test Result

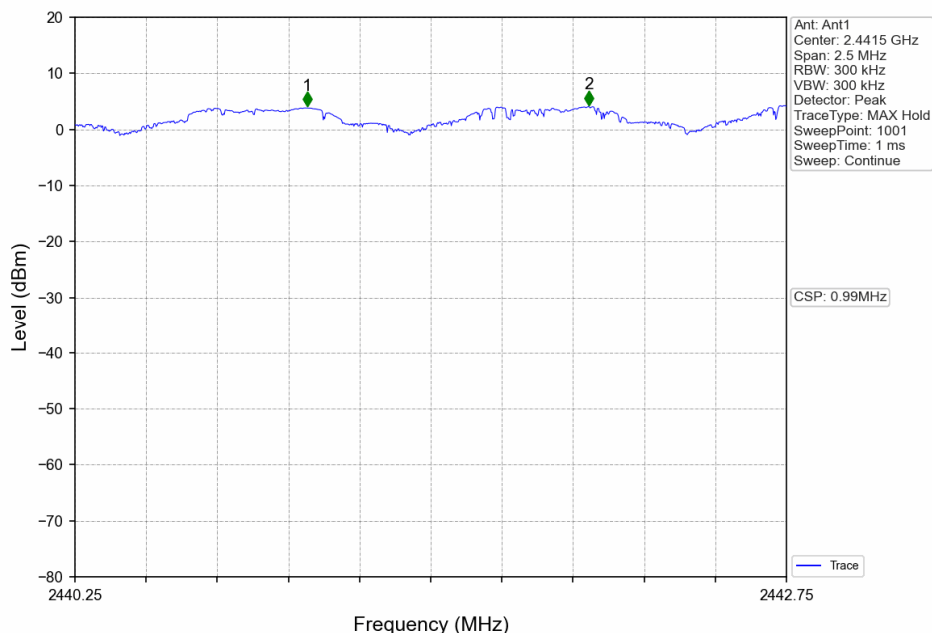
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.995	0.963	$\geq 0.963$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.992	1.288	$\geq 0.859$	Pass
8DPSK	SISO	HOPP	3DH5	0.990	1.288	$\geq 0.859$	Pass



### 3.1.2 Test Graph



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



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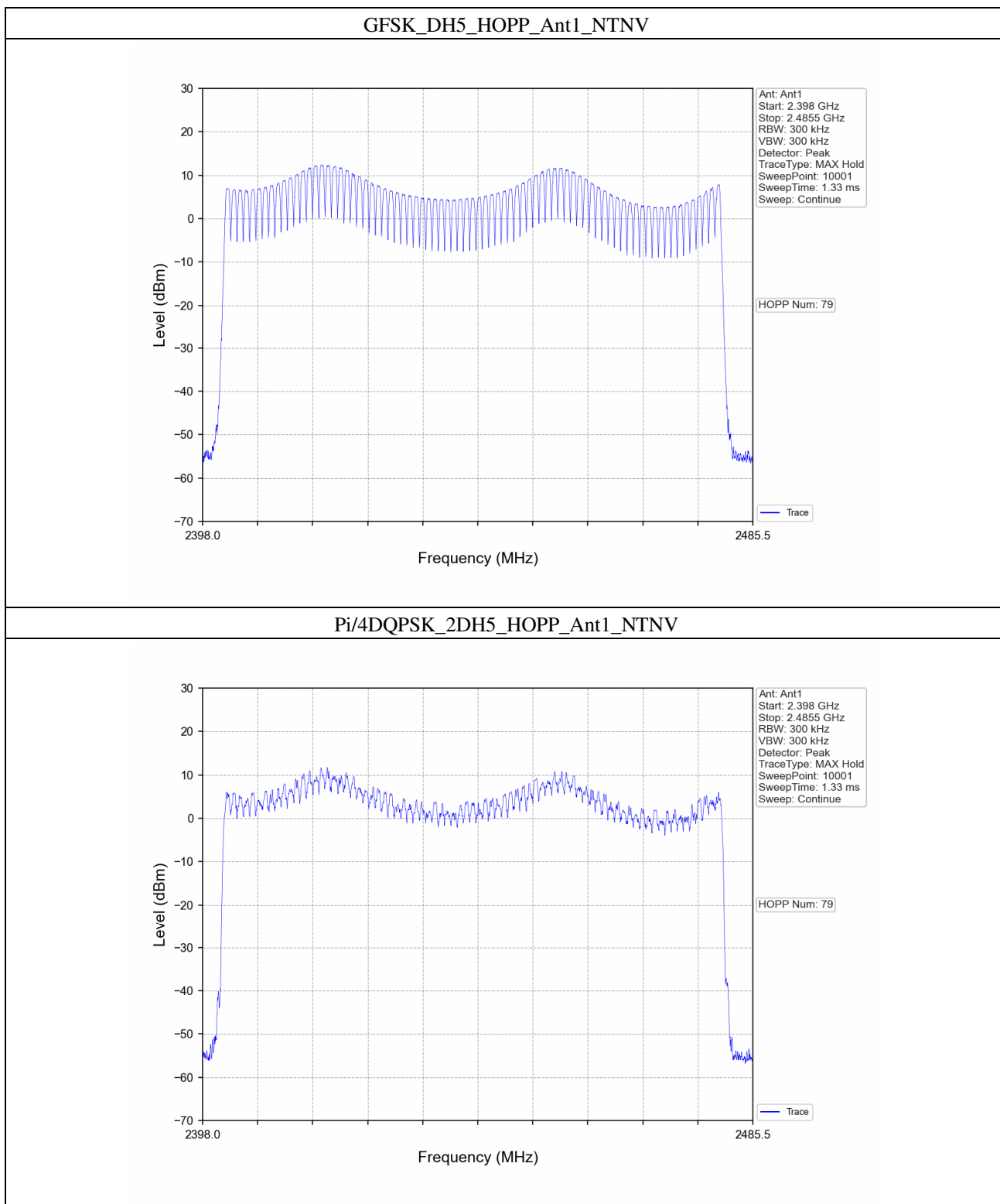
## 4. Number of Hopping Frequencies

### 4.1 HoppNum

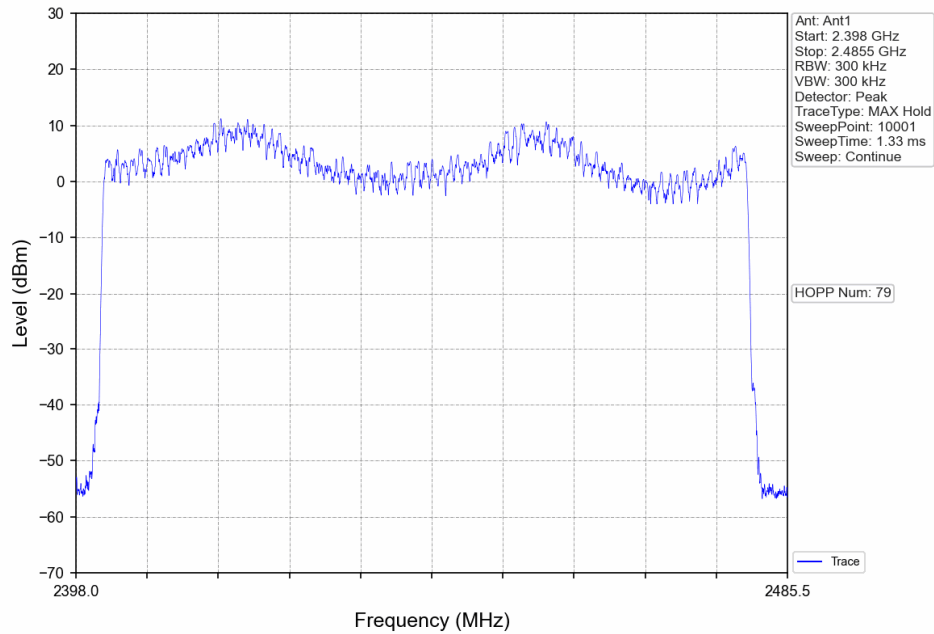
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				Ant 1	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

### 4.1.2 Test Graph



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



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**5. Time of Occupancy (Dwell Time)****5.1 Ant1****5.1.1 Test Result**

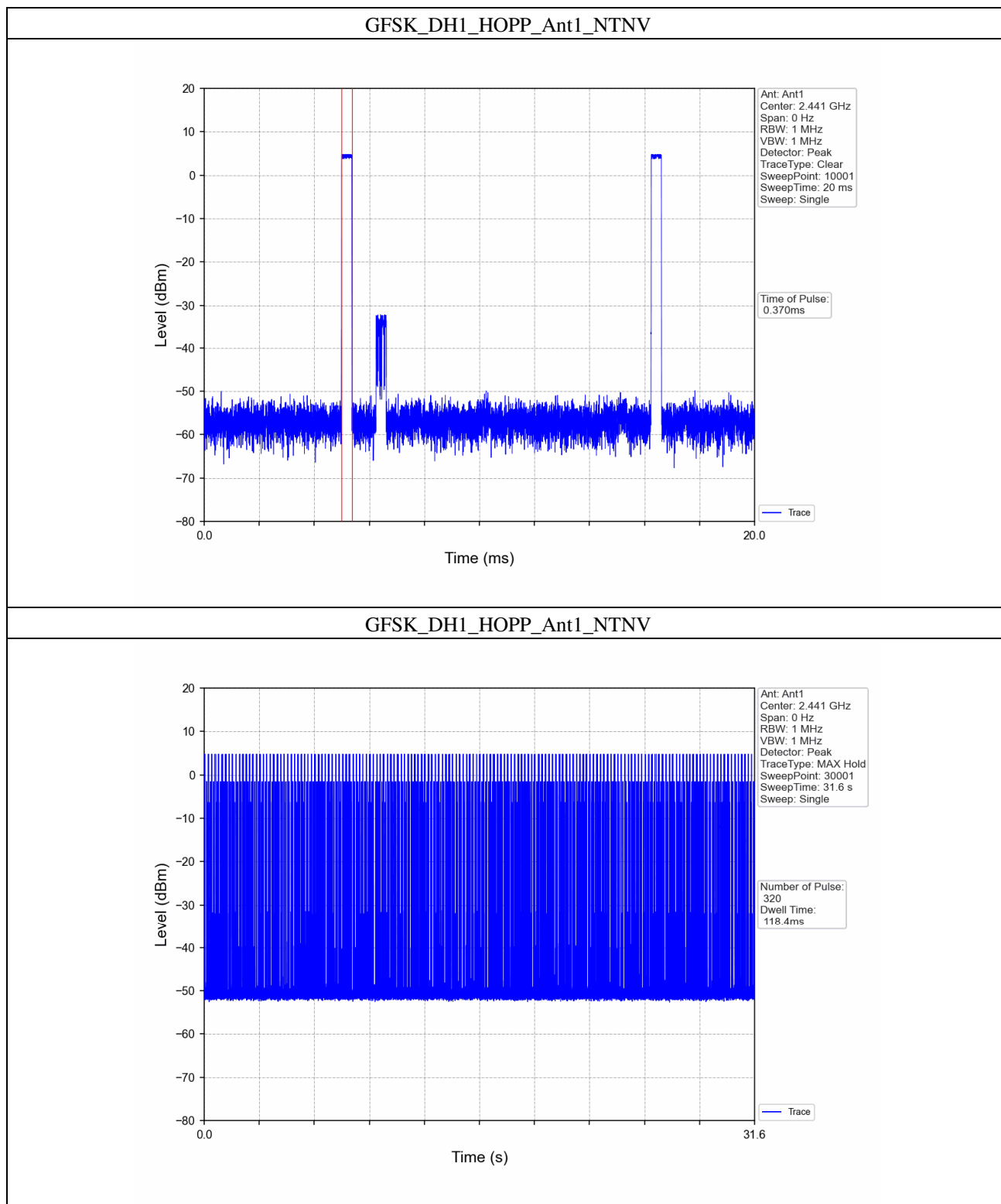
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.370	31.600	320	118.400	<=400	Pass
			DH3	1.628	31.600	168	273.504	<=400	Pass
			DH5	2.874	31.600	98	281.652	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.378	31.600	319	120.582	<=400	Pass
			2DH3	1.630	31.600	158	257.540	<=400	Pass
			2DH5	2.878	31.600	119	342.482	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.380	31.600	320	121.600	<=400	Pass
			3DH3	1.630	31.600	168	273.840	<=400	Pass
			3DH5	2.880	31.600	126	362.880	<=400	Pass

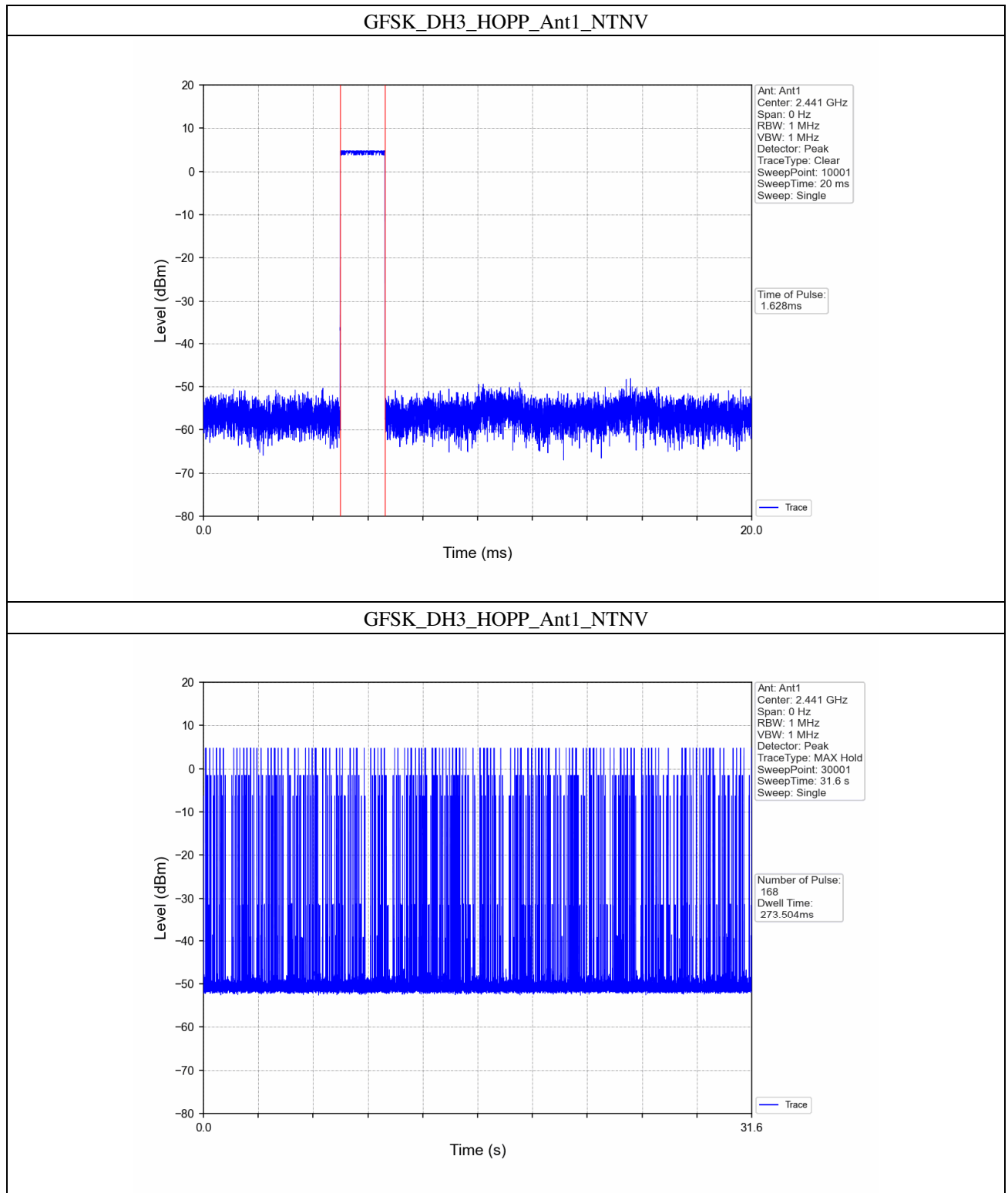


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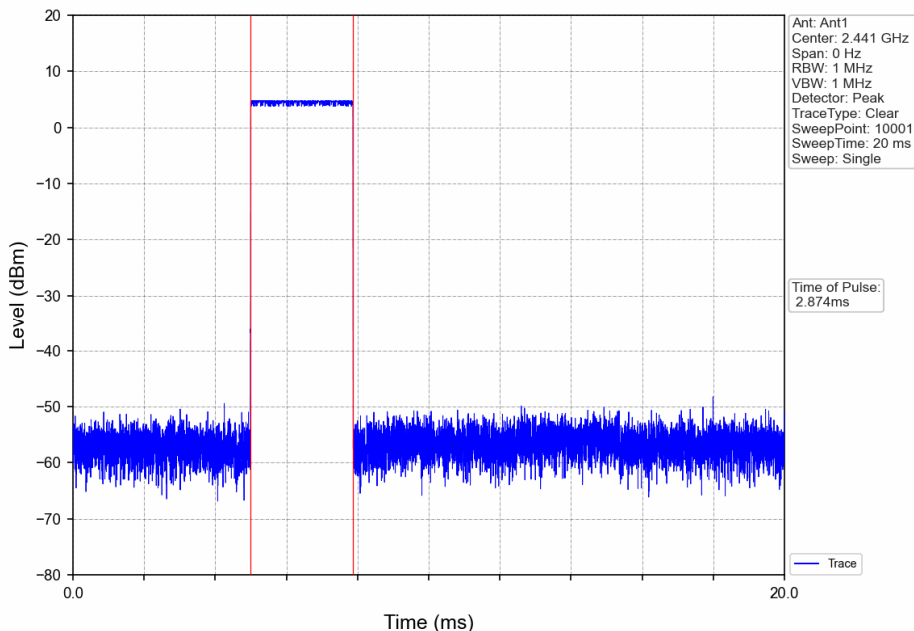
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## 5.1.2 Test Graph

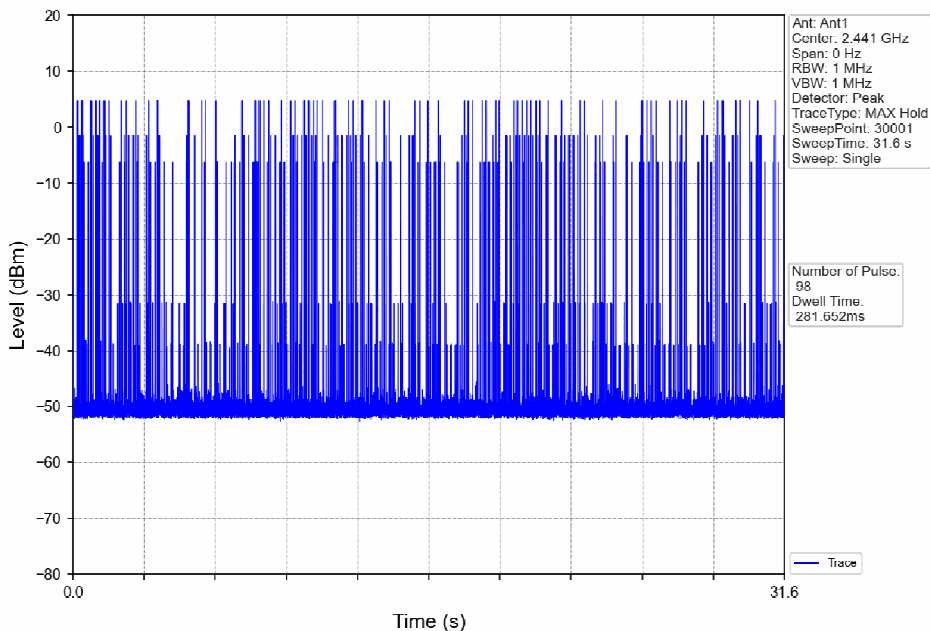




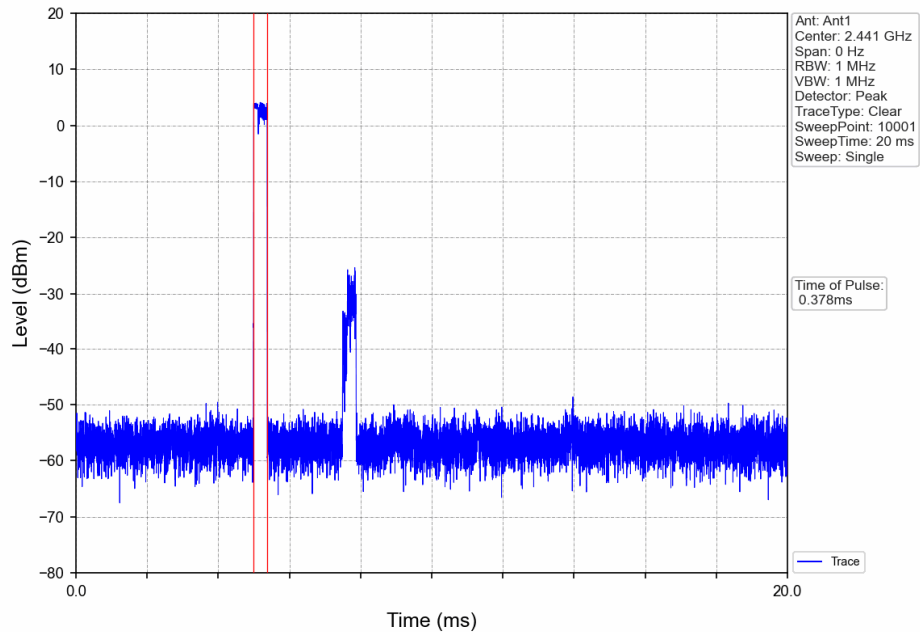
GFSK\_DH5\_HOPP\_Ant1\_NTNV



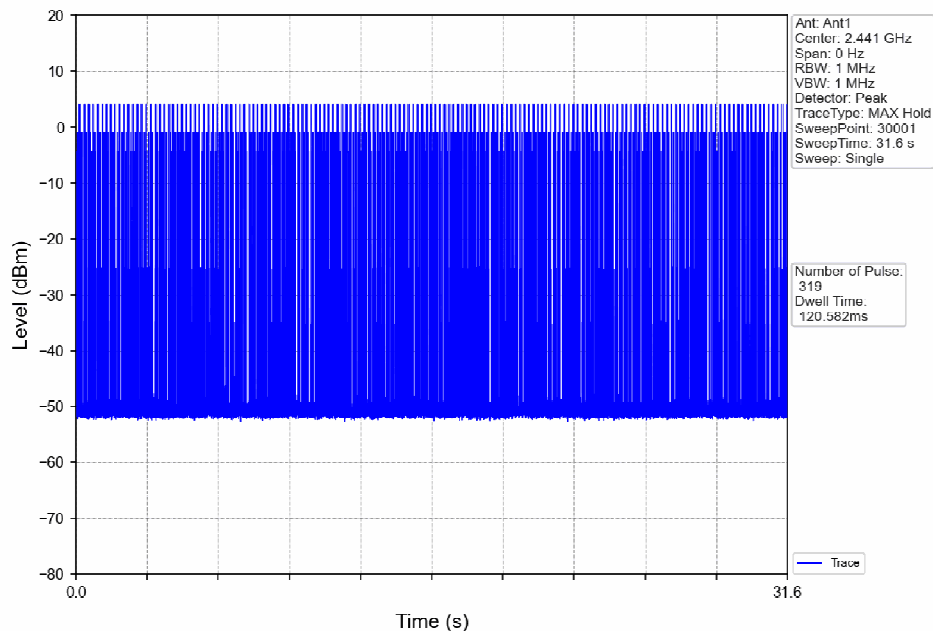
GFSK\_DH5\_HOPP\_Ant1\_NTNV



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



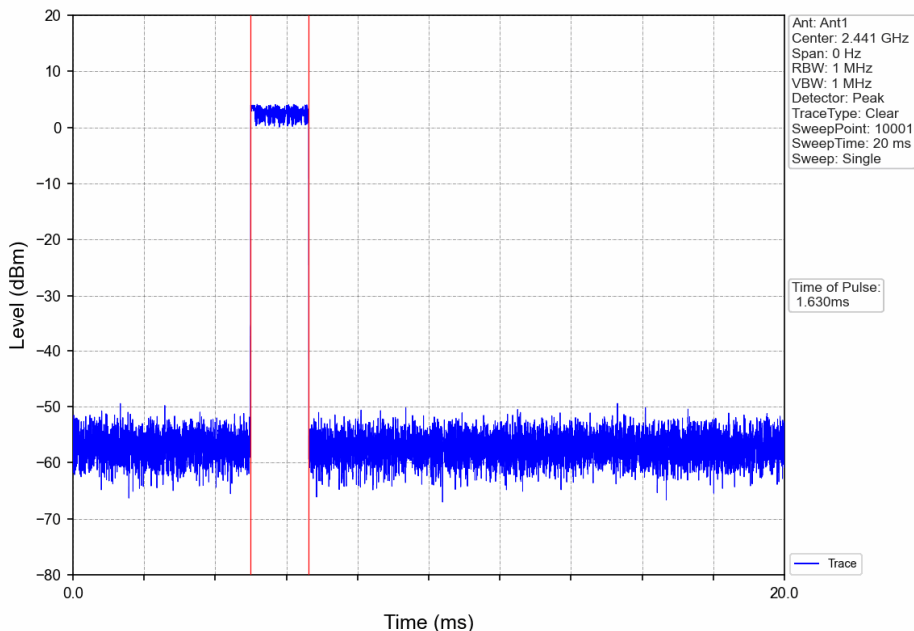
Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV



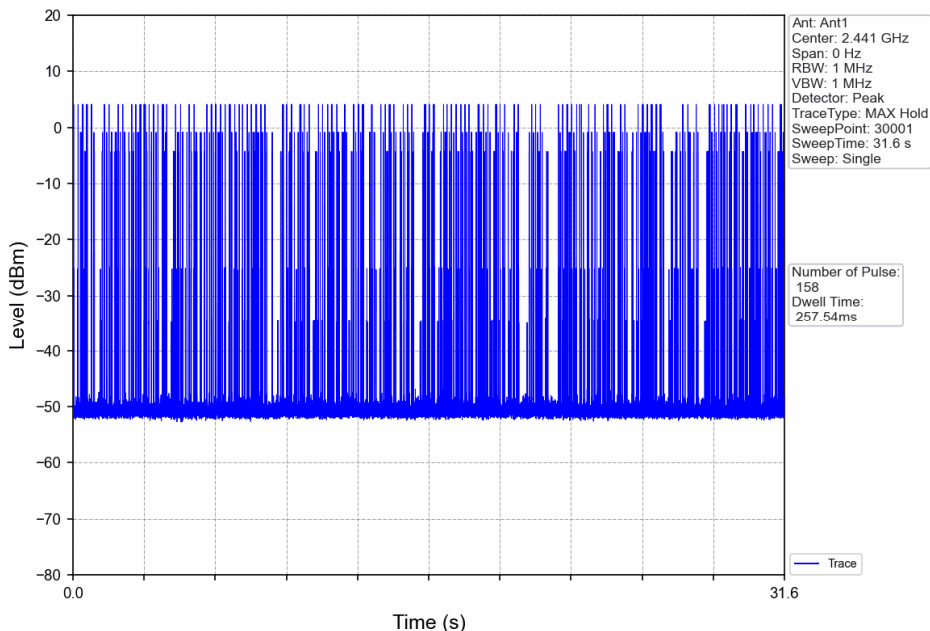
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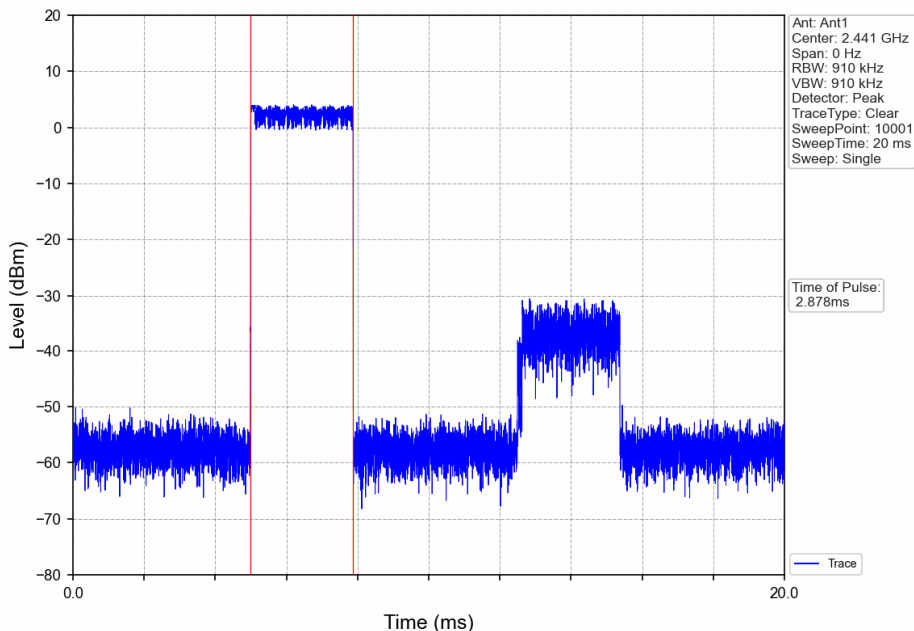
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



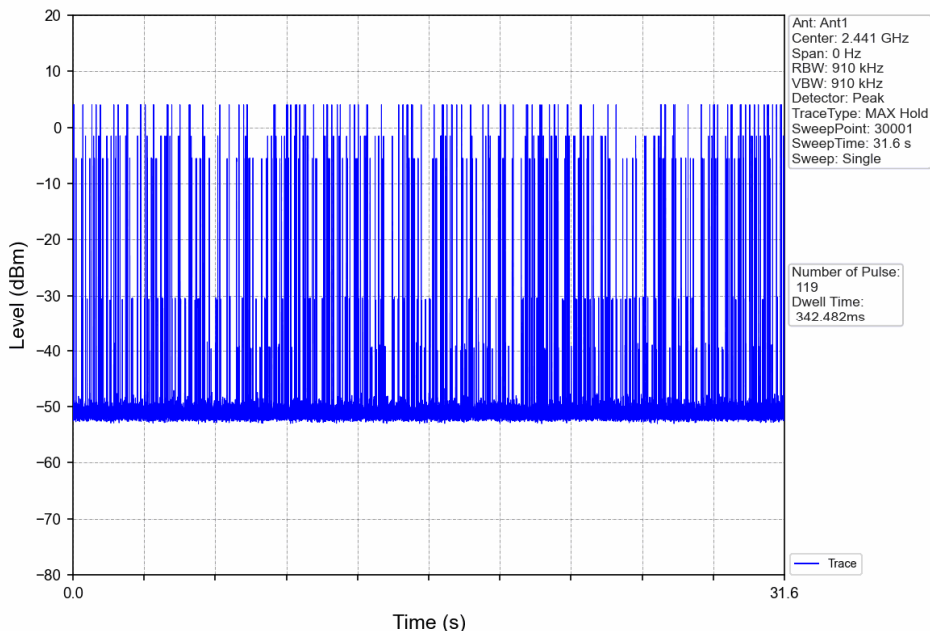
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



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



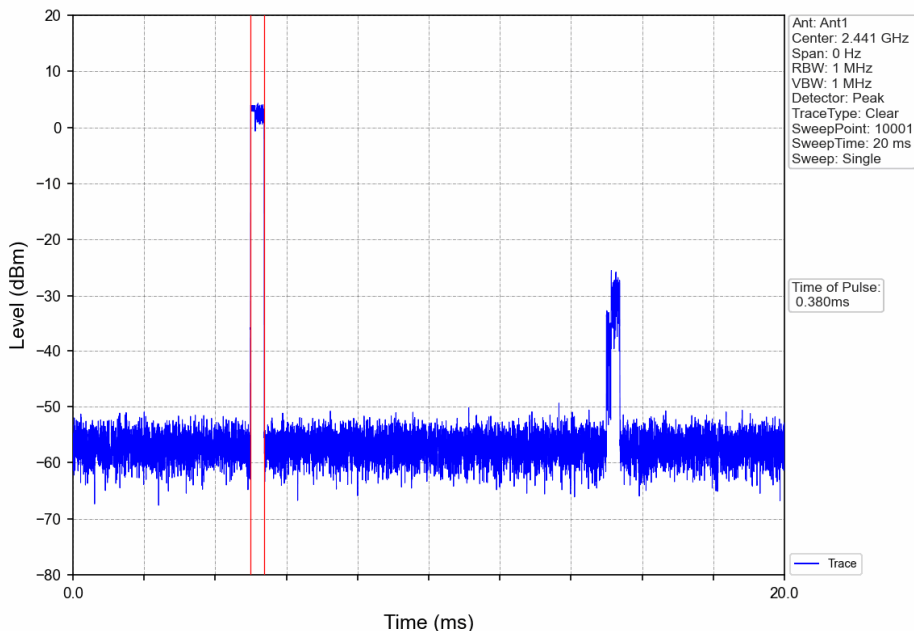
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



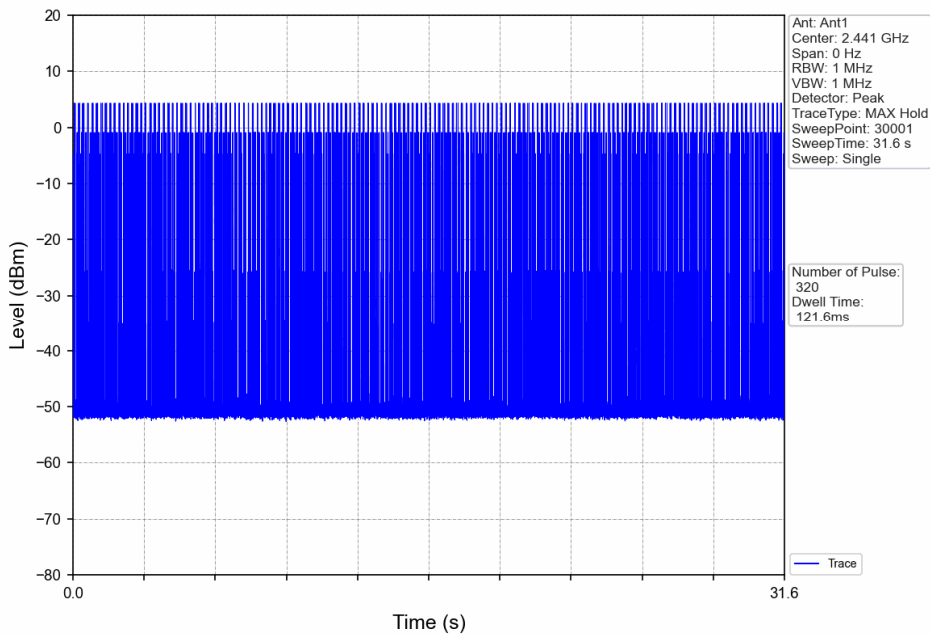
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### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV

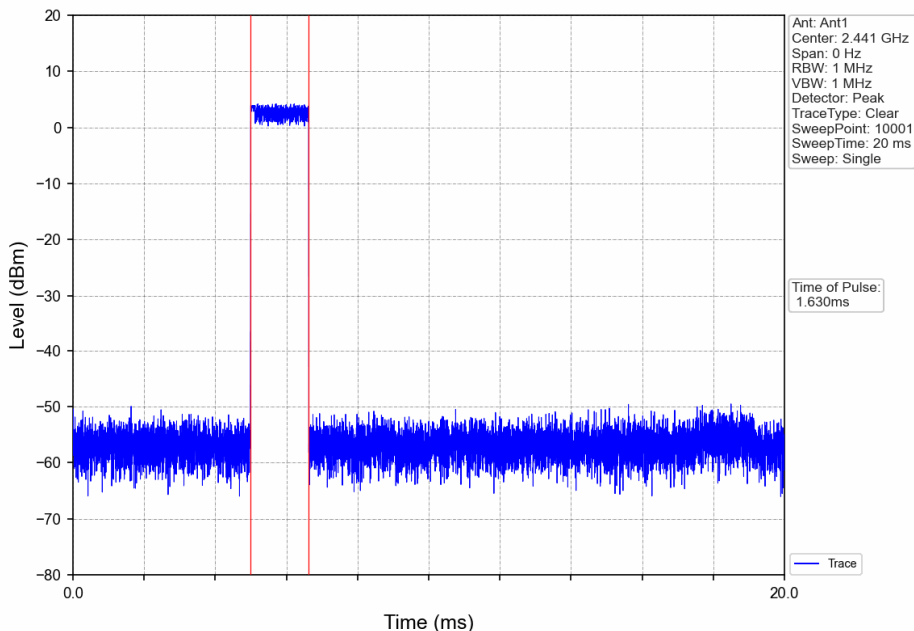


### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV

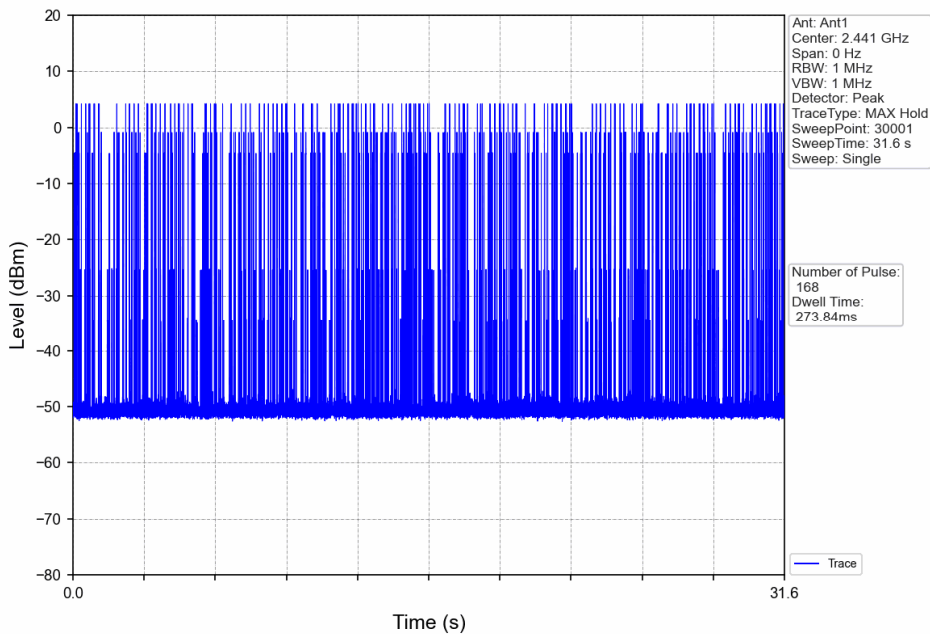


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### 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV

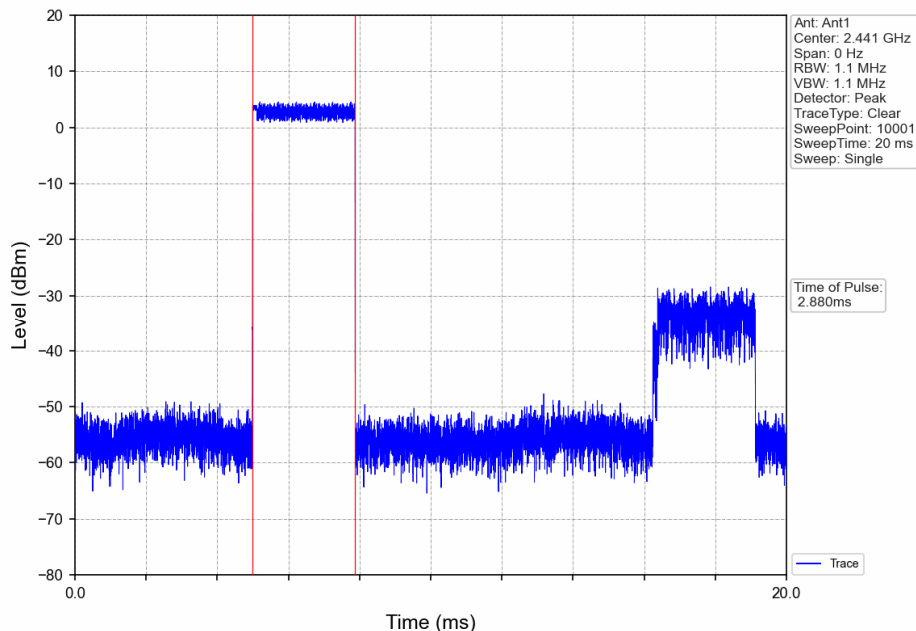


### 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV

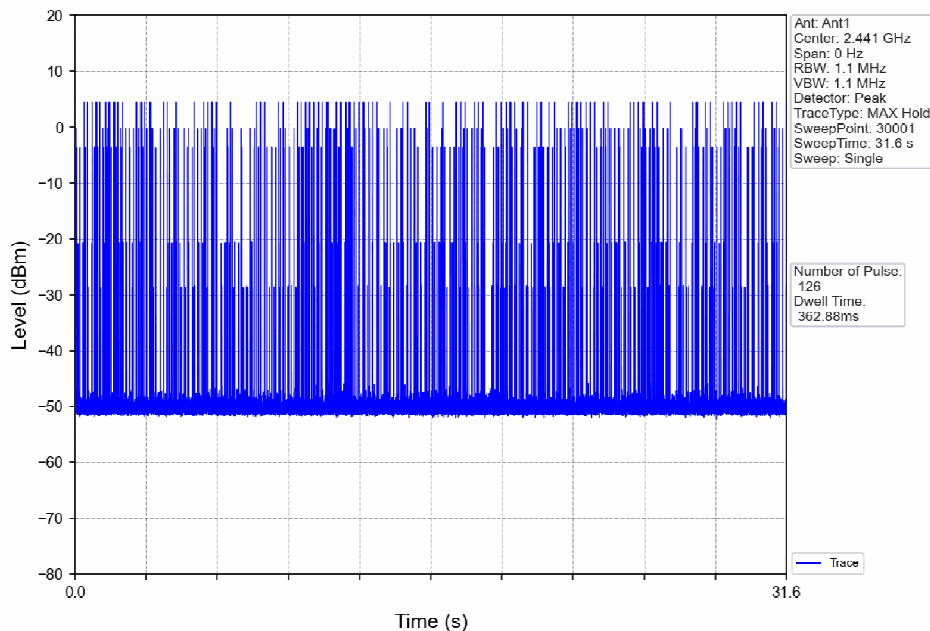


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### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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



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

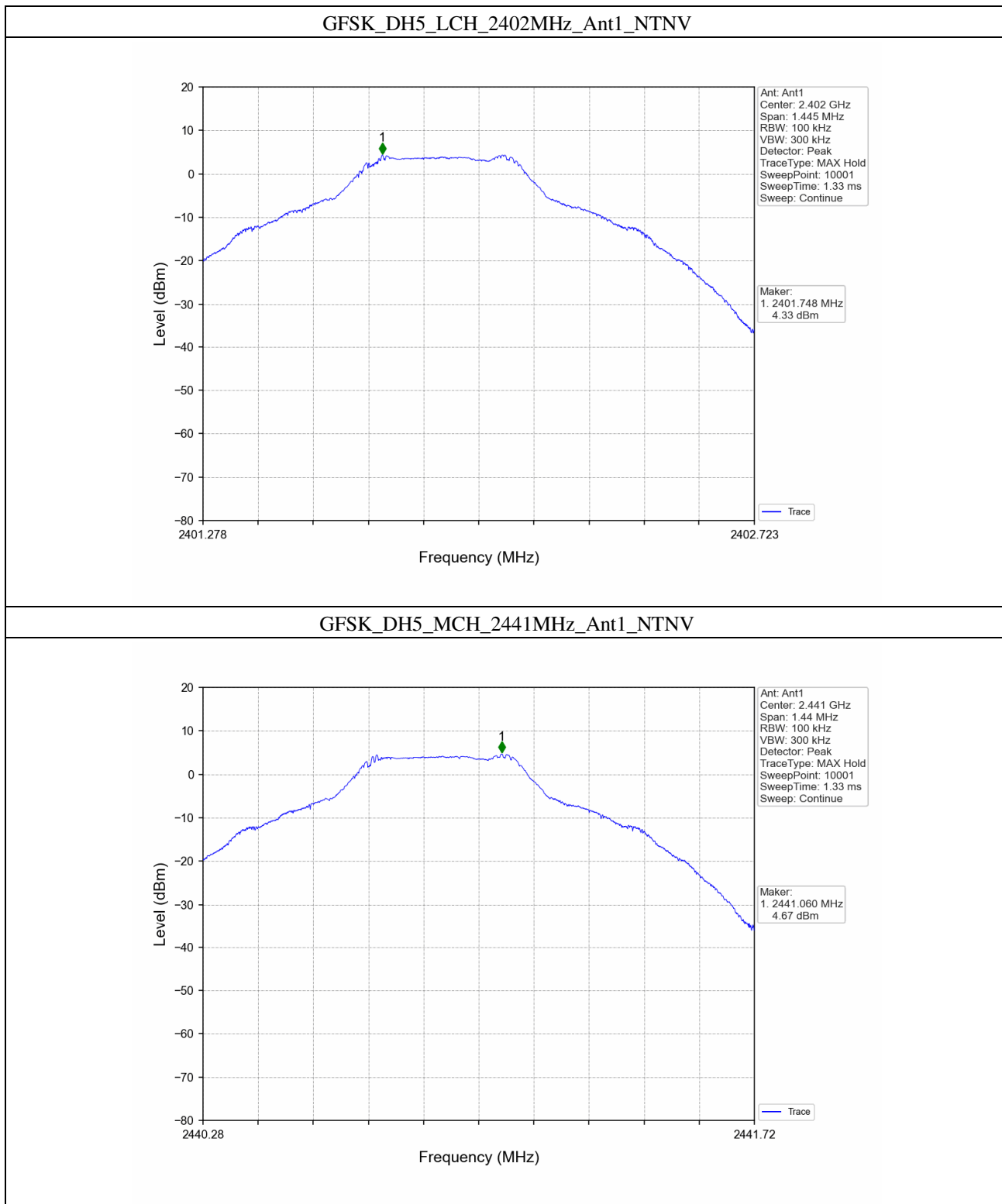
### 6.1 Level of reference

#### 6.1.1 Test Result

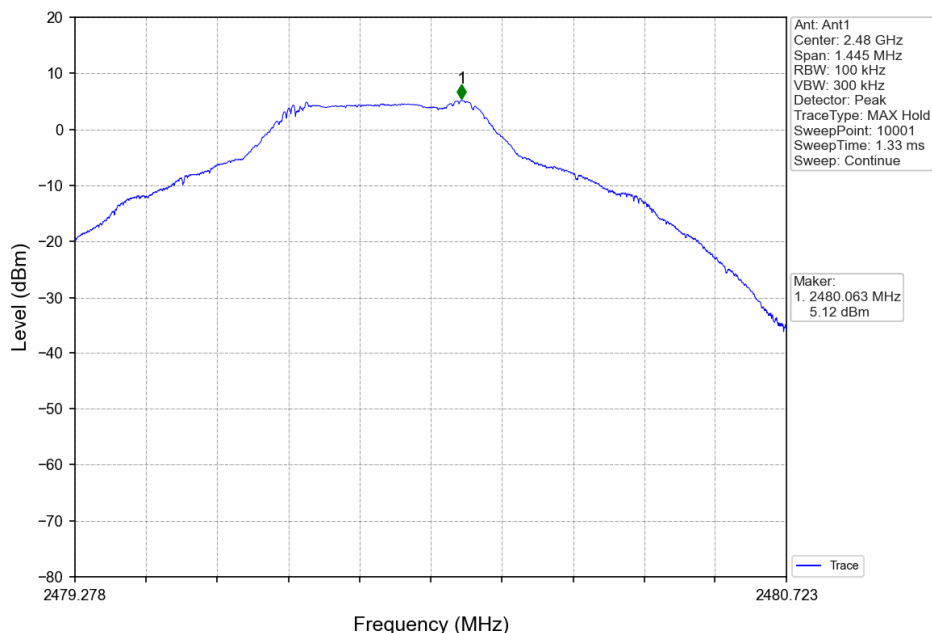
Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	4.33
		2441	DH5	1	4.67
		2480	DH5	1	5.12
Pi/4DQPSK	SISO	2402	2DH5	1	3.48
		2441	2DH5	1	3.80
		2480	2DH5	1	4.15
8DPSK	SISO	2402	3DH5	1	3.43
		2441	3DH5	1	3.77
		2480	3DH5	1	4.15

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.

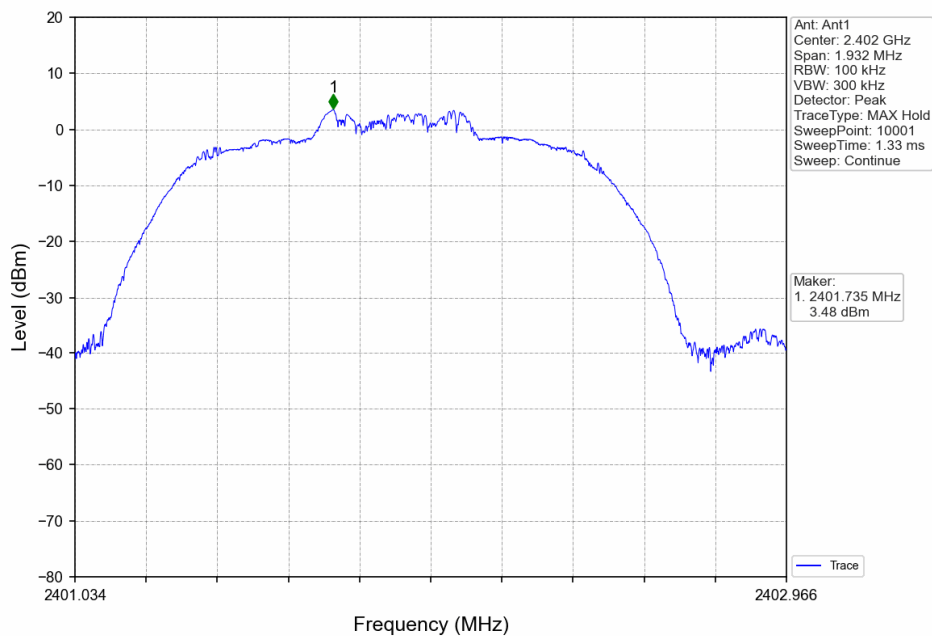
### 6.1.2 Test Graph



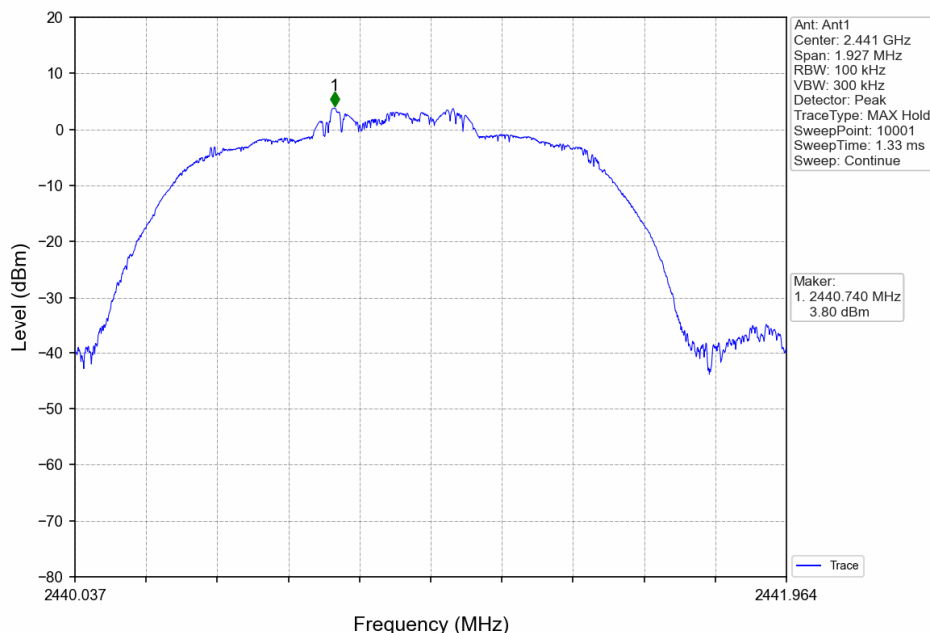
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



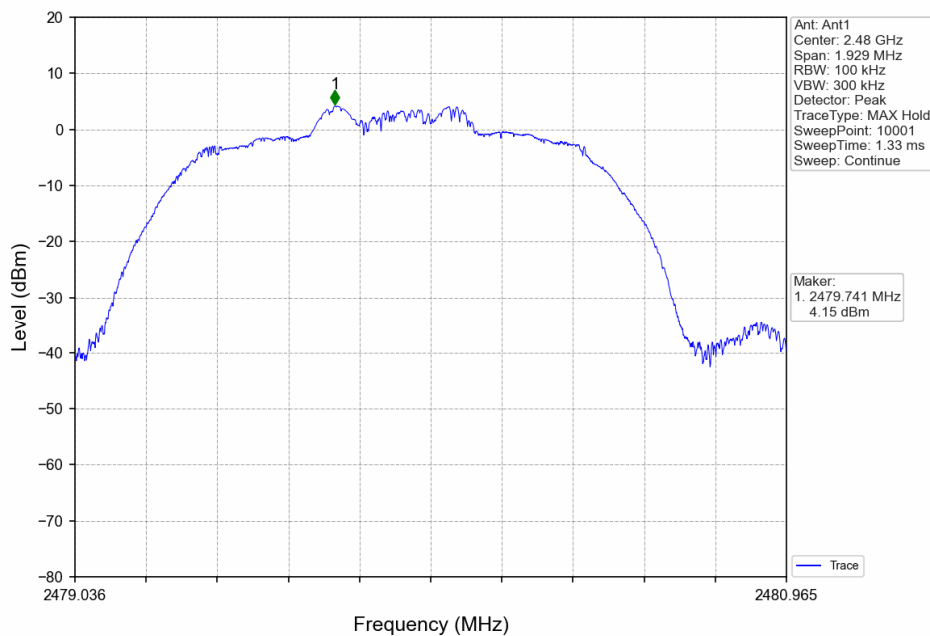
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



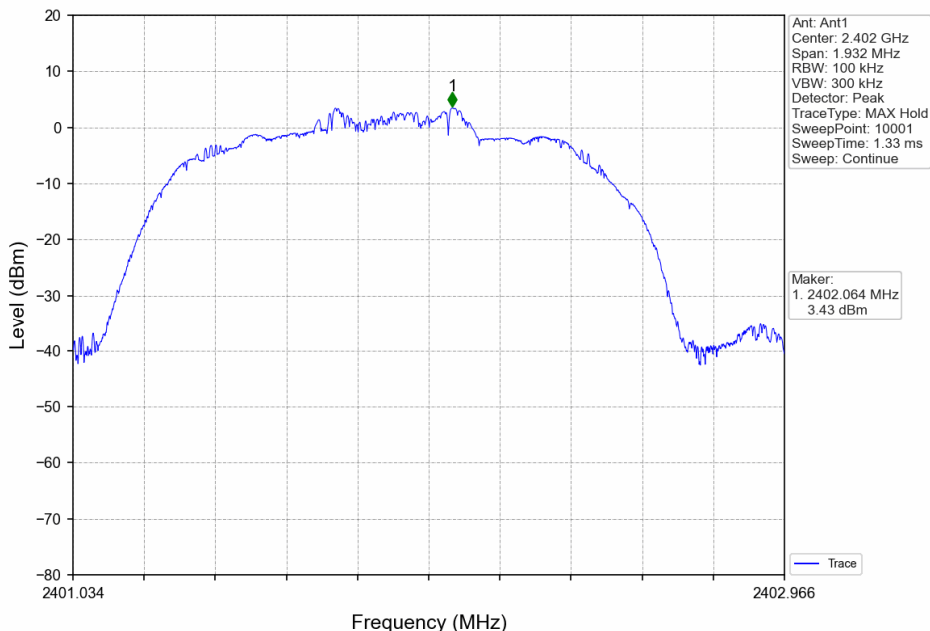
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



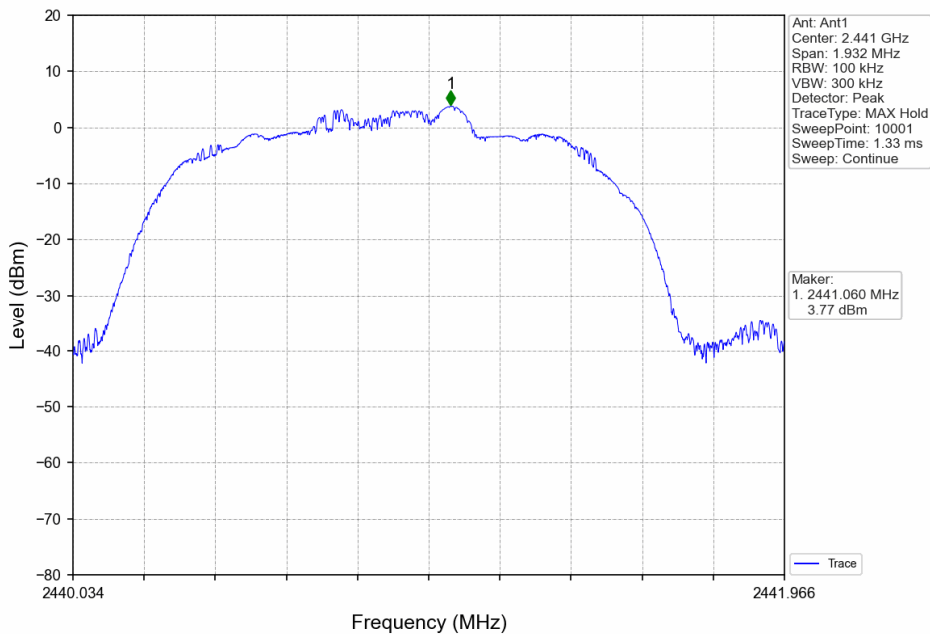
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



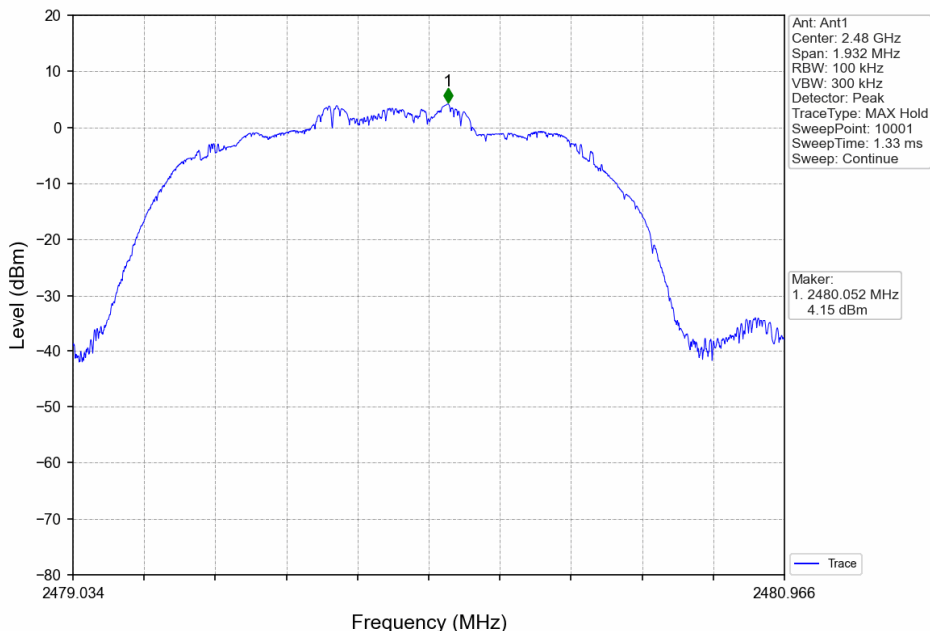
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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



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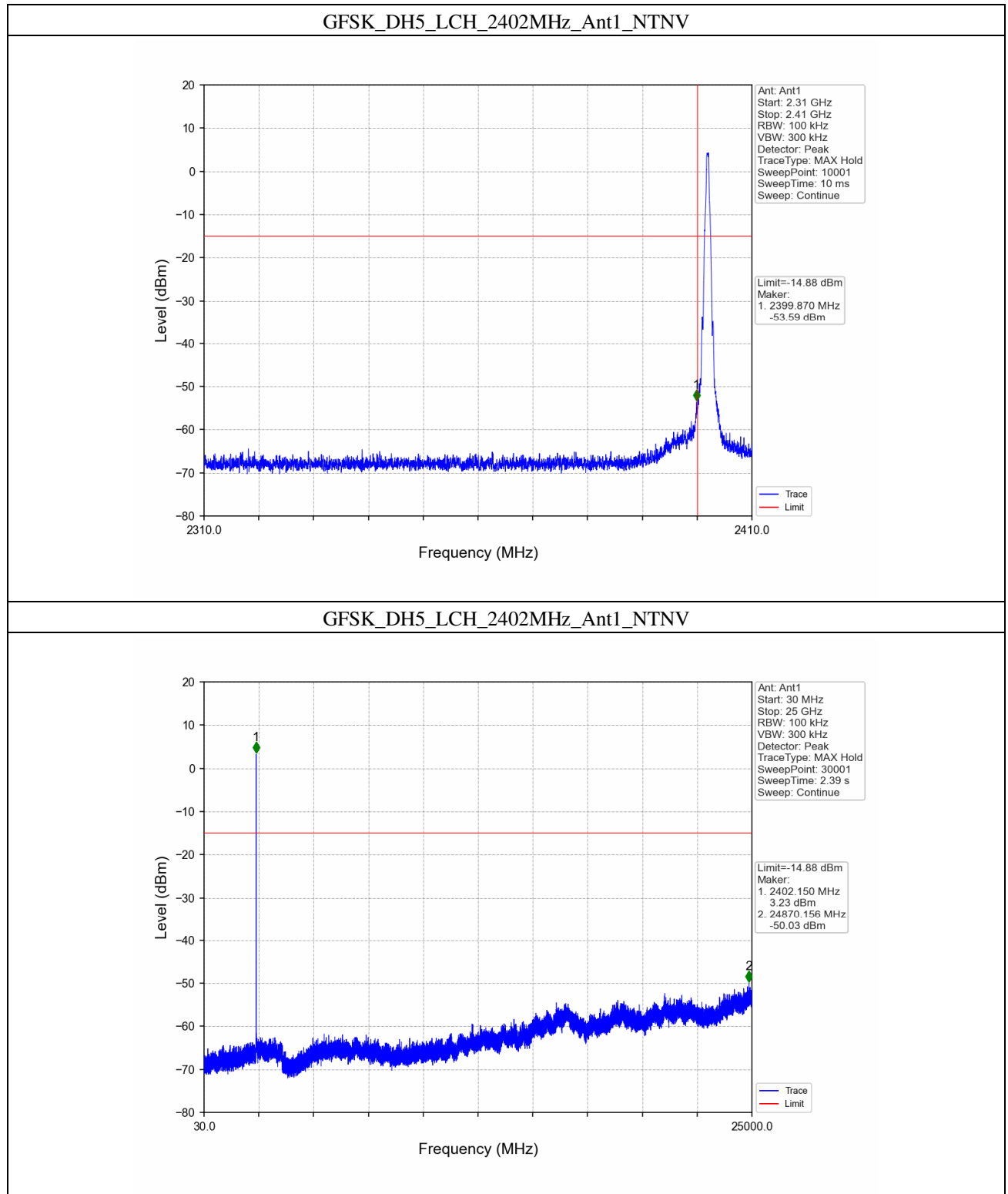
## 6.2 CSE

## 6.2.1 Test Result

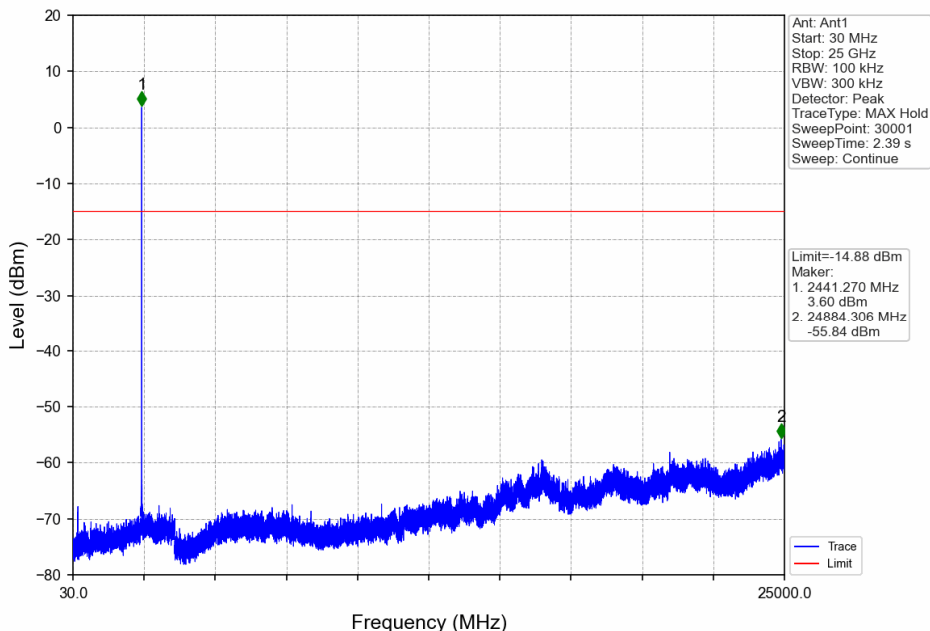
Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	5.12	-14.88	Pass
		2441	DH5	1	5.12	-14.88	Pass
		2480	DH5	1	5.12	-14.88	Pass
		HOPP	DH5	1	5.12	-14.88	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	4.15	-15.85	Pass
		2441	2DH5	1	4.15	-15.85	Pass
		2480	2DH5	1	4.15	-15.85	Pass
		HOPP	2DH5	1	4.15	-15.85	Pass
8DPSK	SISO	2402	3DH5	1	4.15	-15.85	Pass
		2441	3DH5	1	4.15	-15.85	Pass
		2480	3DH5	1	4.15	-15.85	Pass
		HOPP	3DH5	1	4.15	-15.85	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.

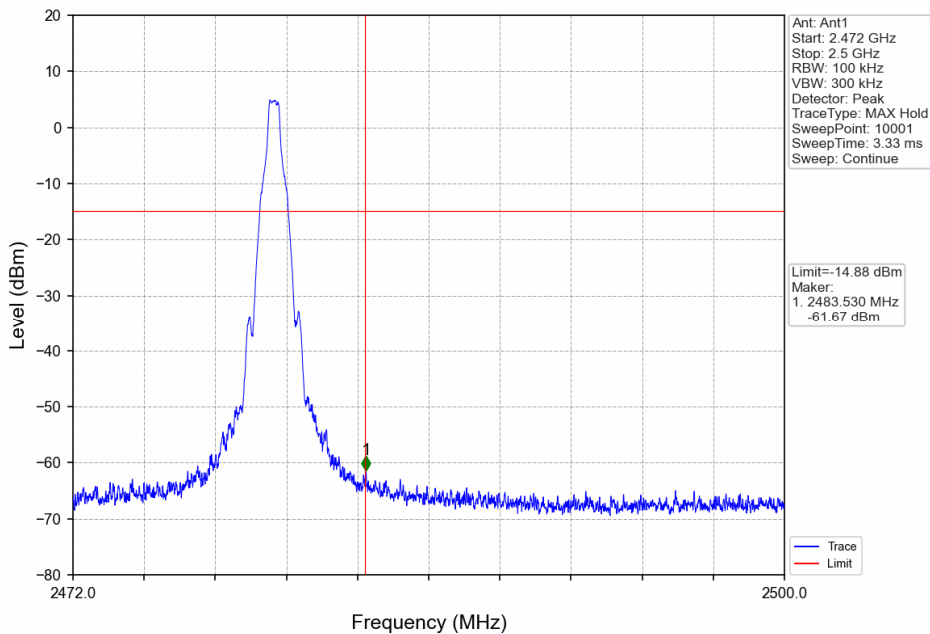
### 6.2.2 Test Graph



GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



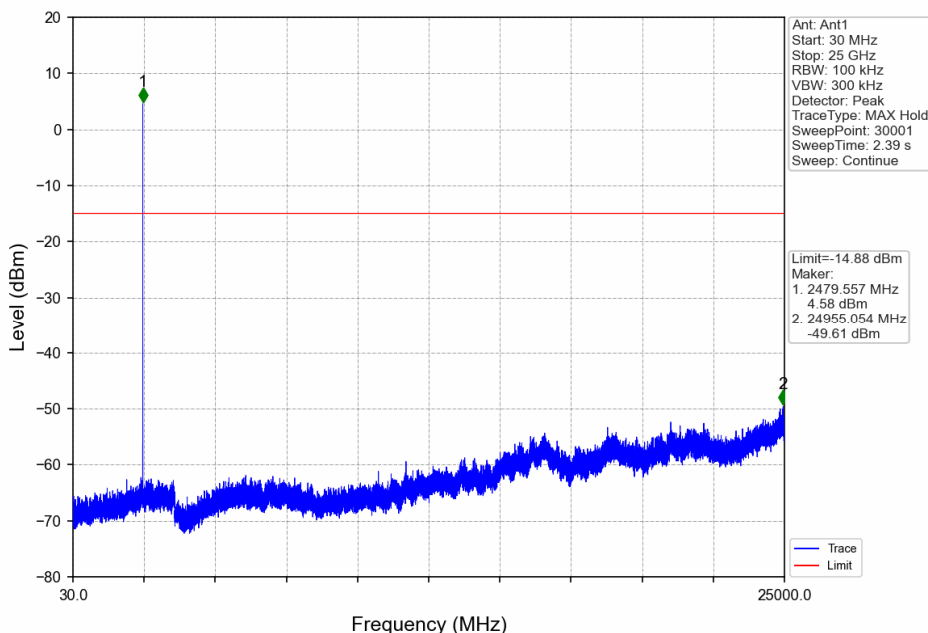
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



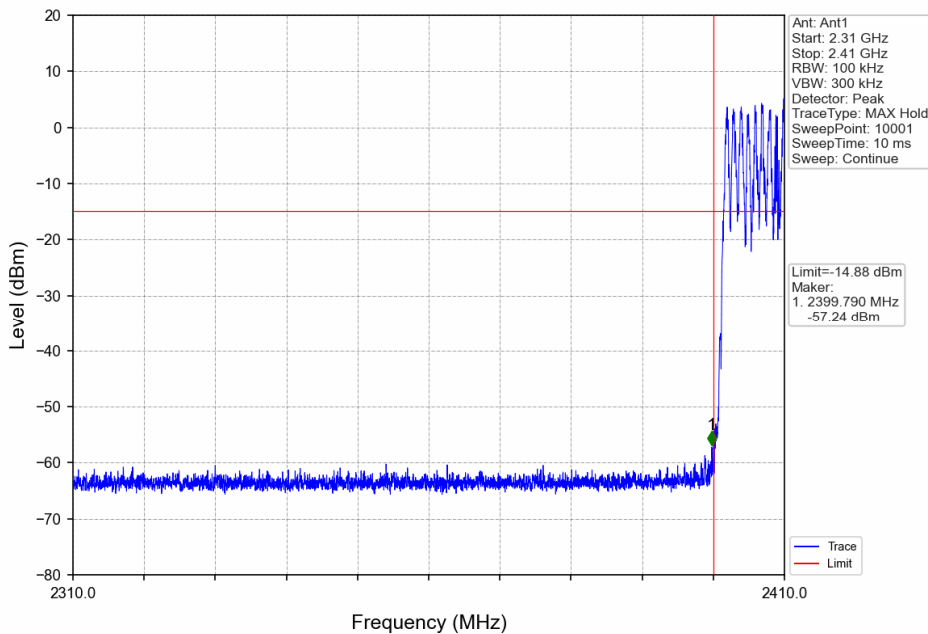
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



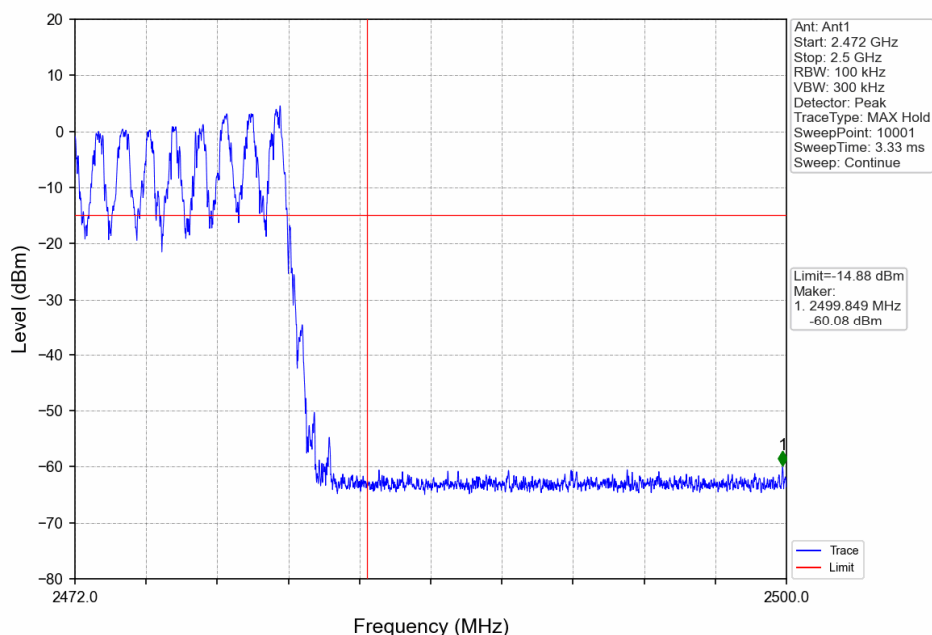
GFSK\_DH5\_HOPP\_Ant1\_NTNV



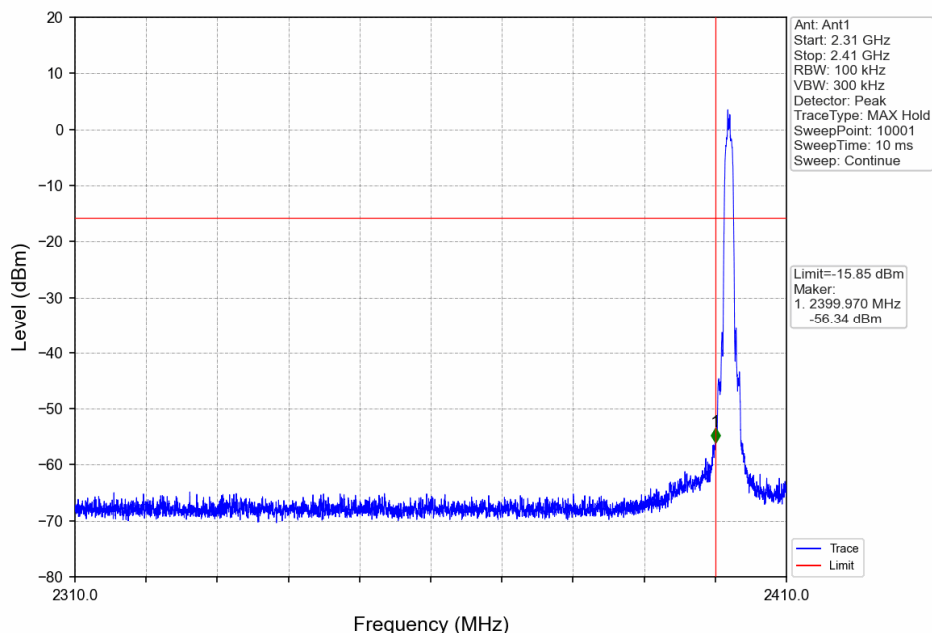
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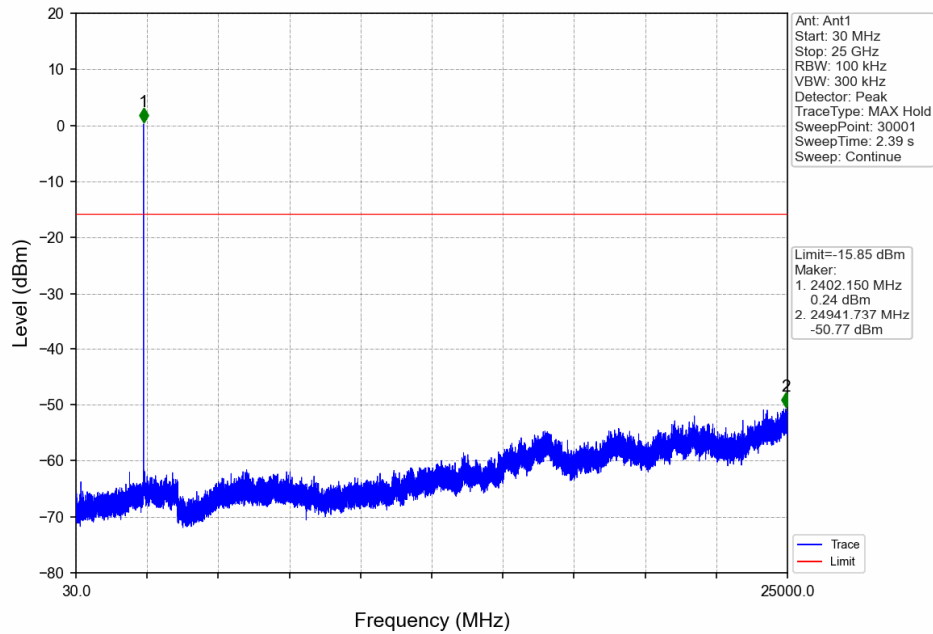
GFSK\_DH5\_HOPP\_Ant1\_NTNV



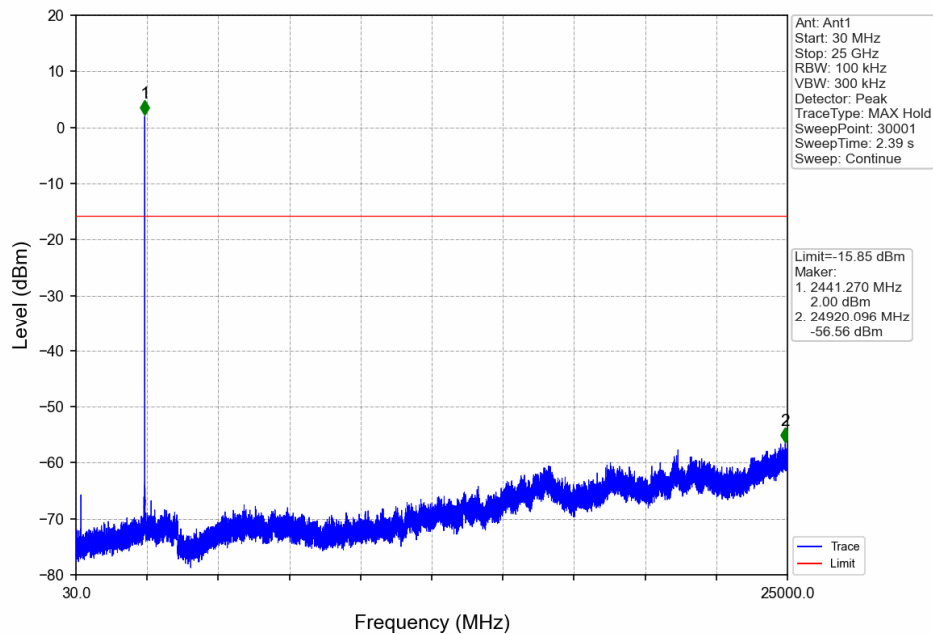
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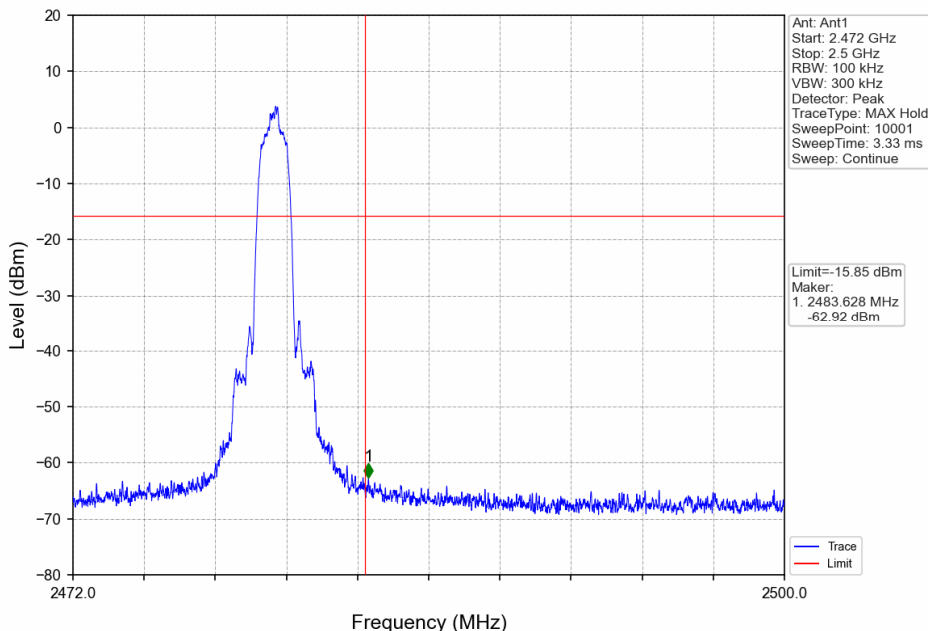
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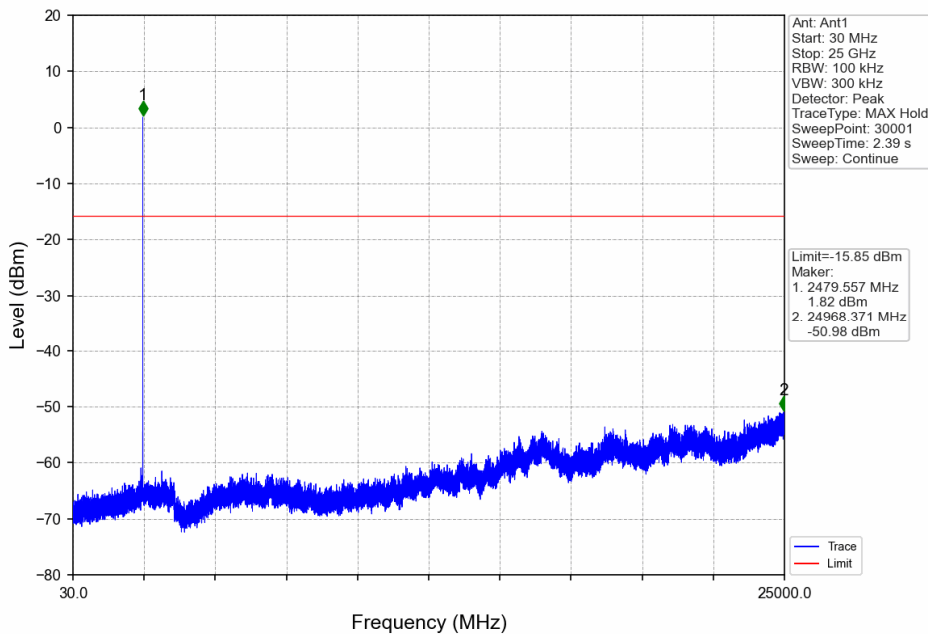
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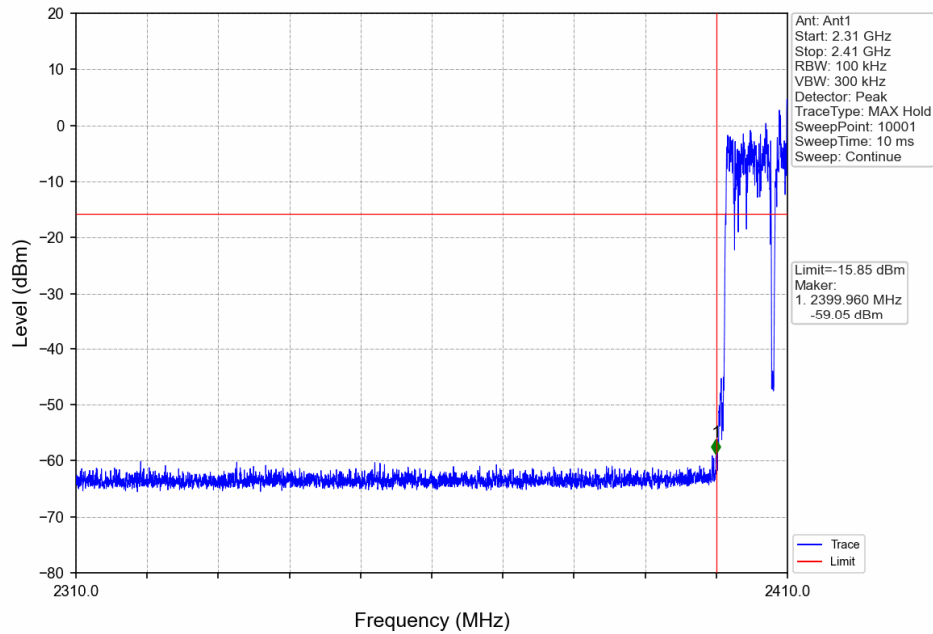
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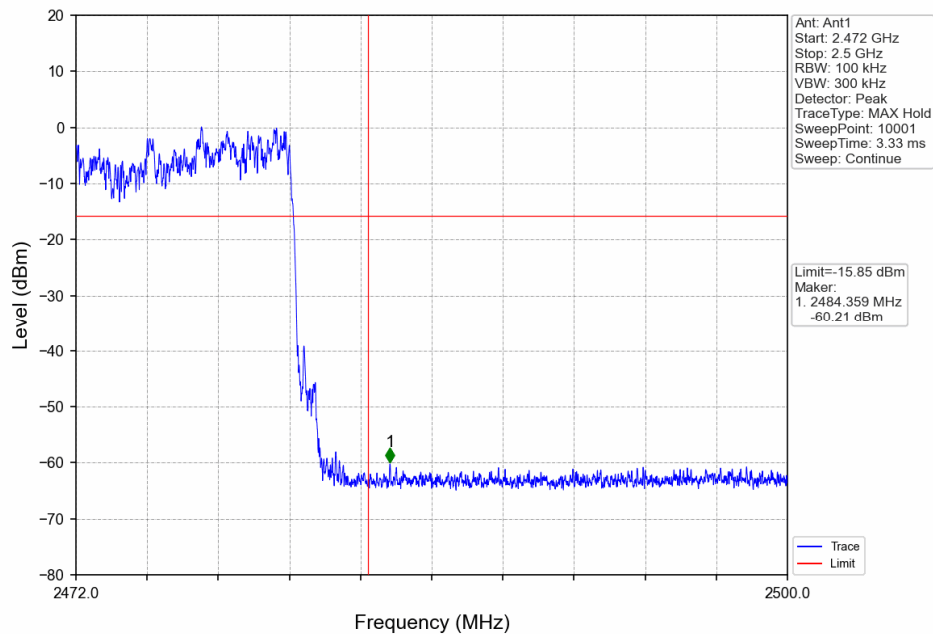
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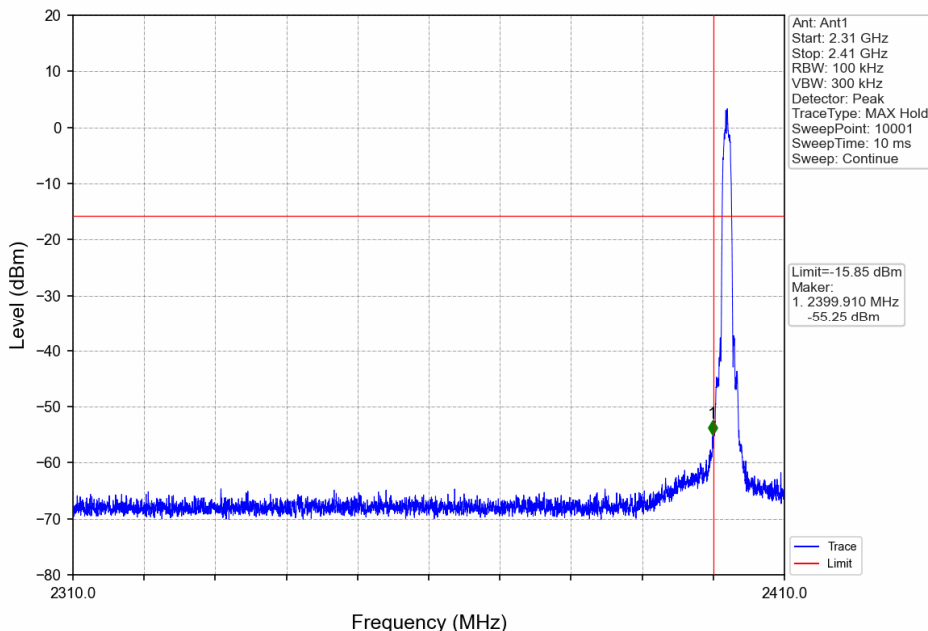
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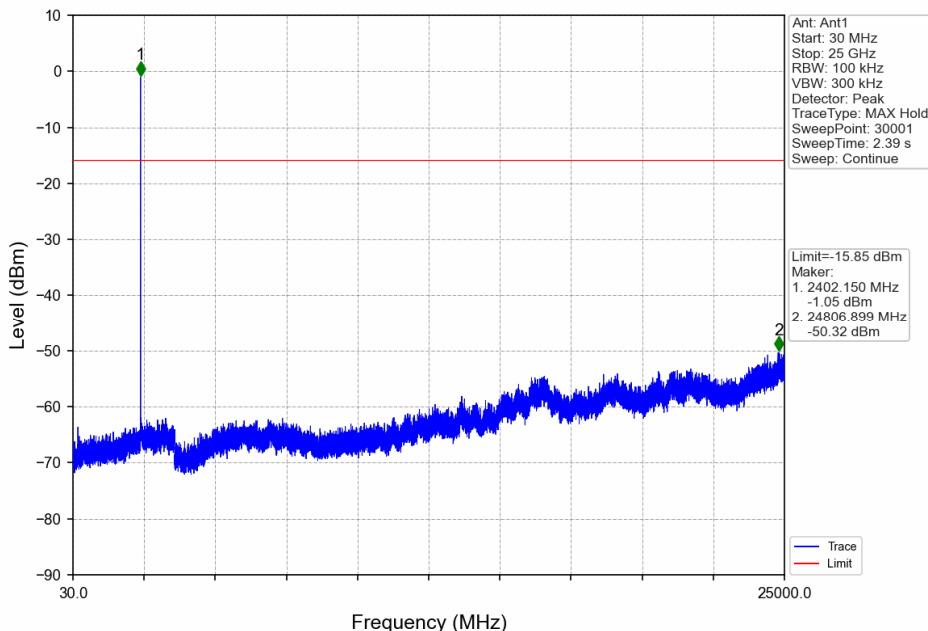
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



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

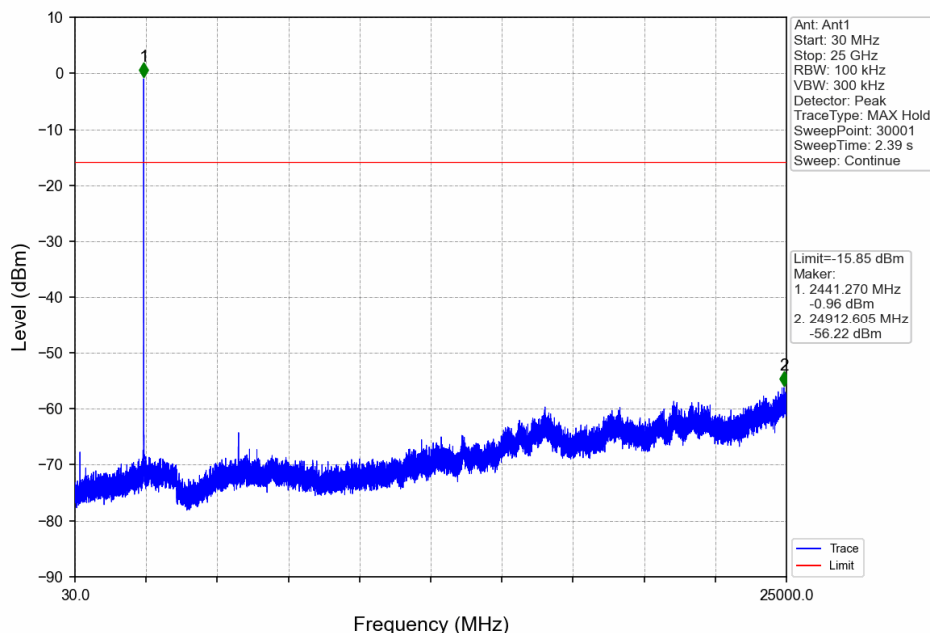


8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV

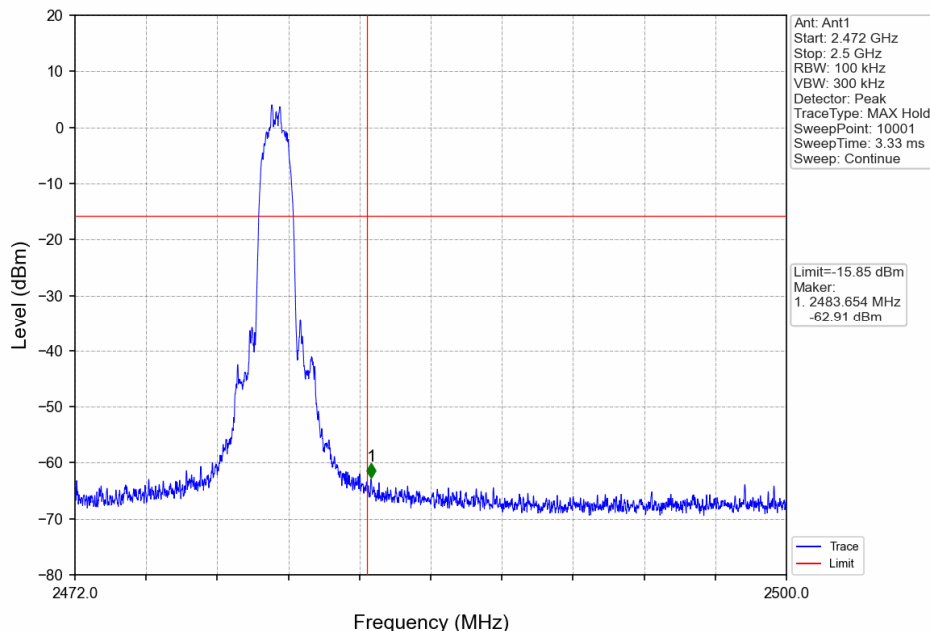




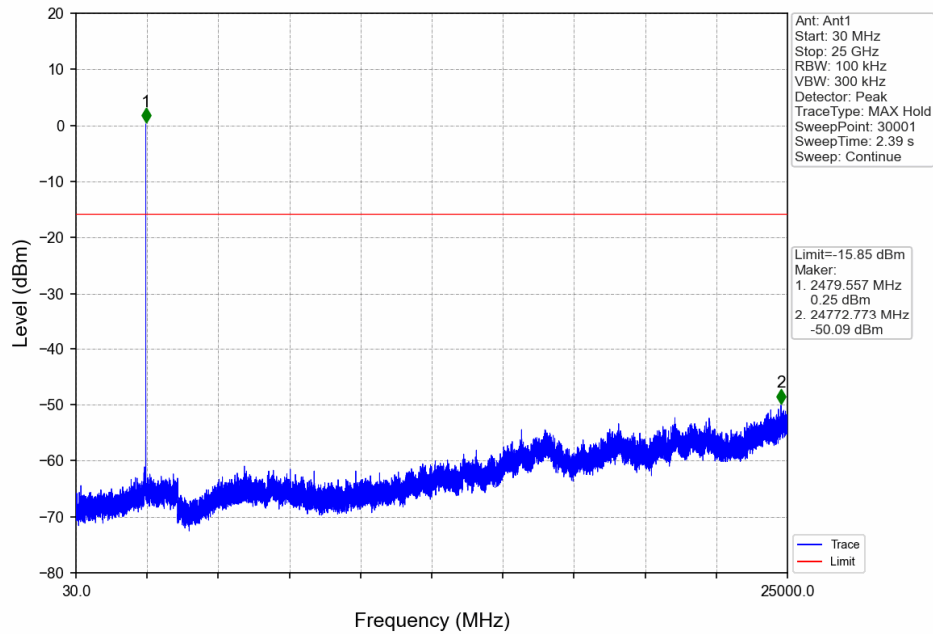
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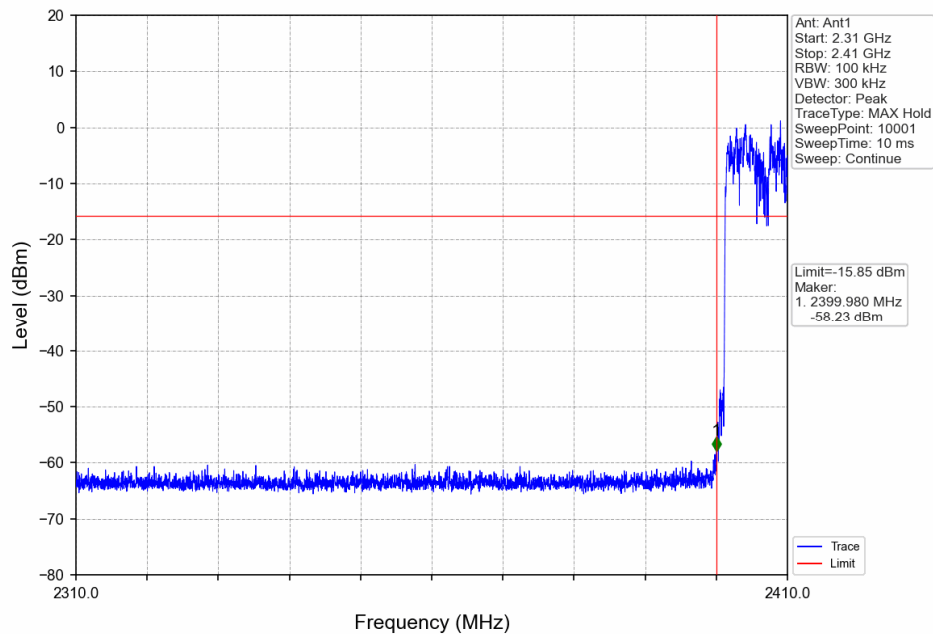
8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



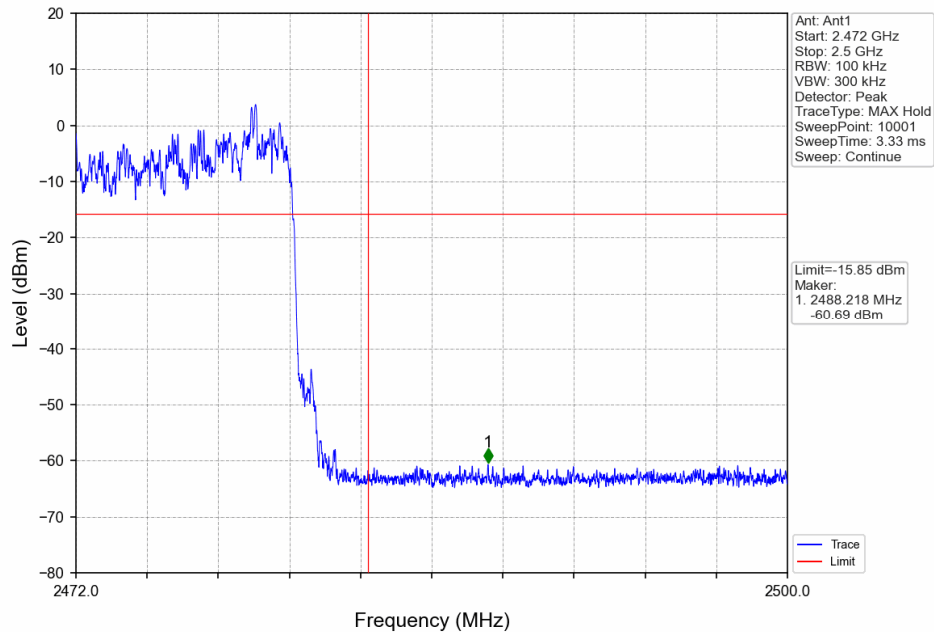
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



- End of the Report -