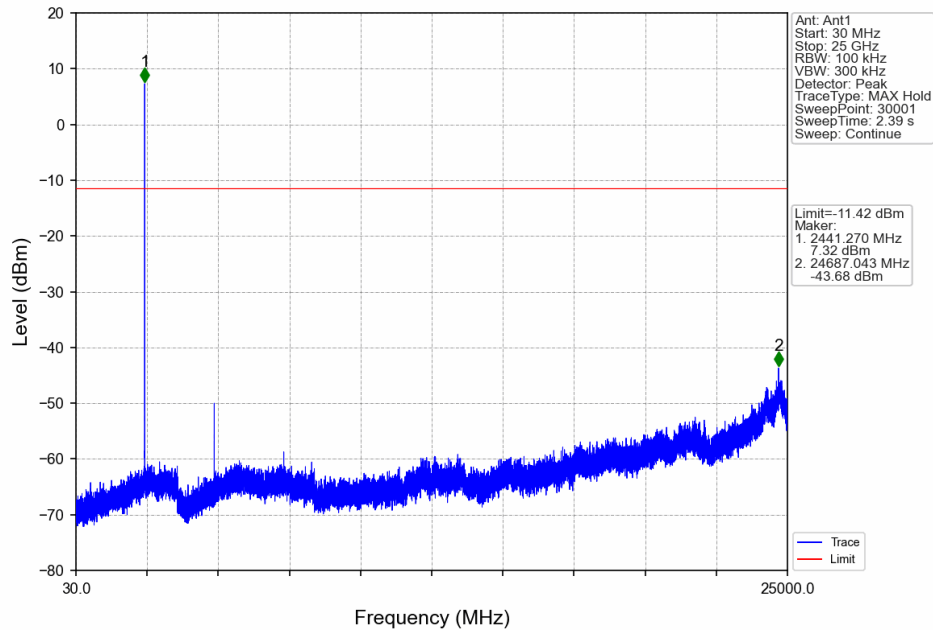
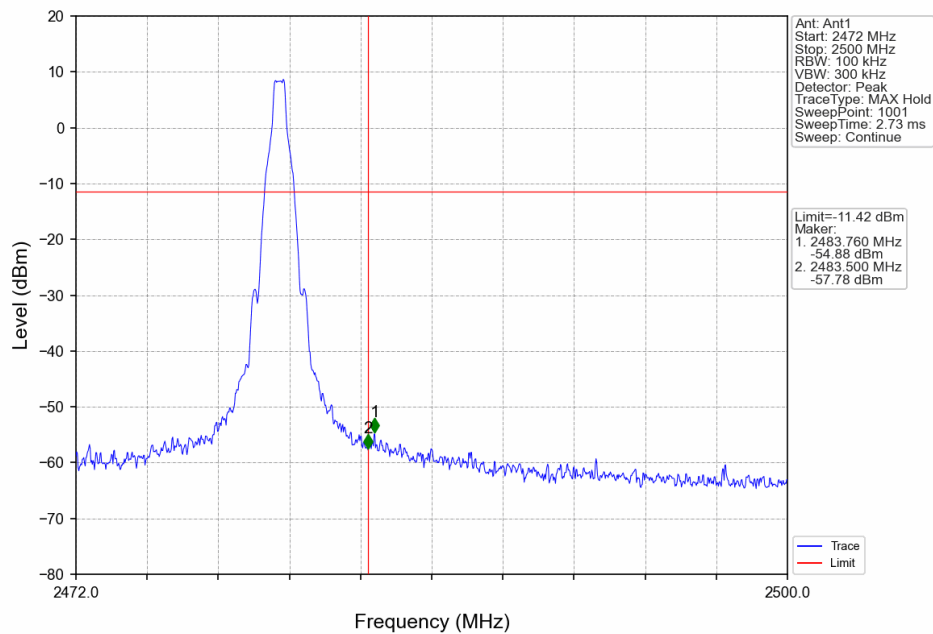


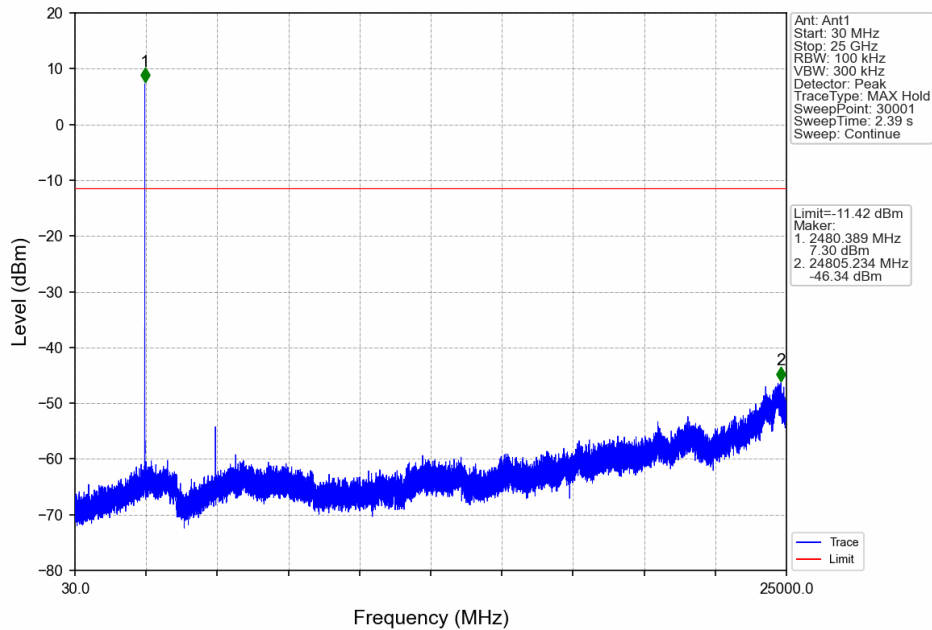
### GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



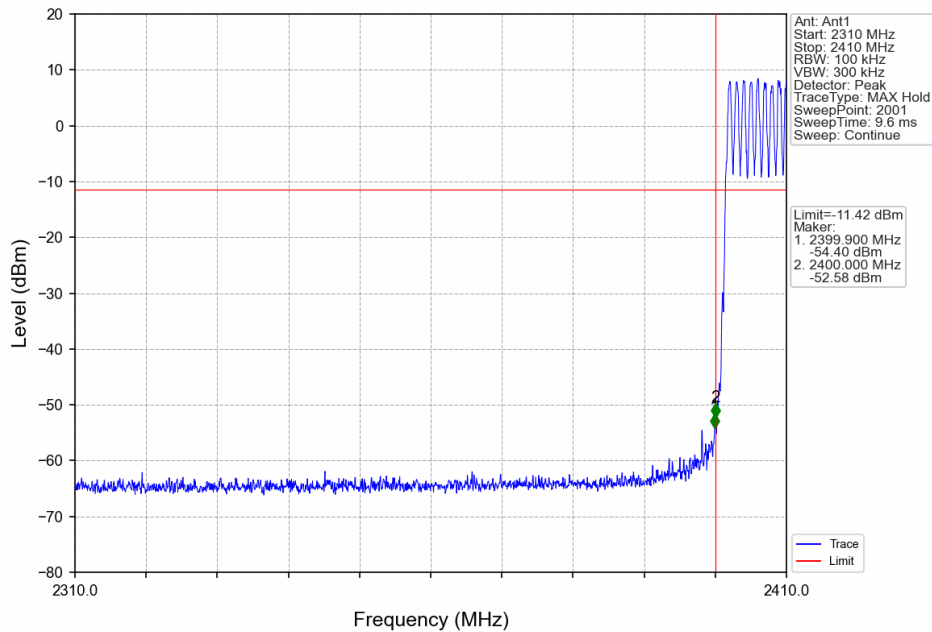
### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



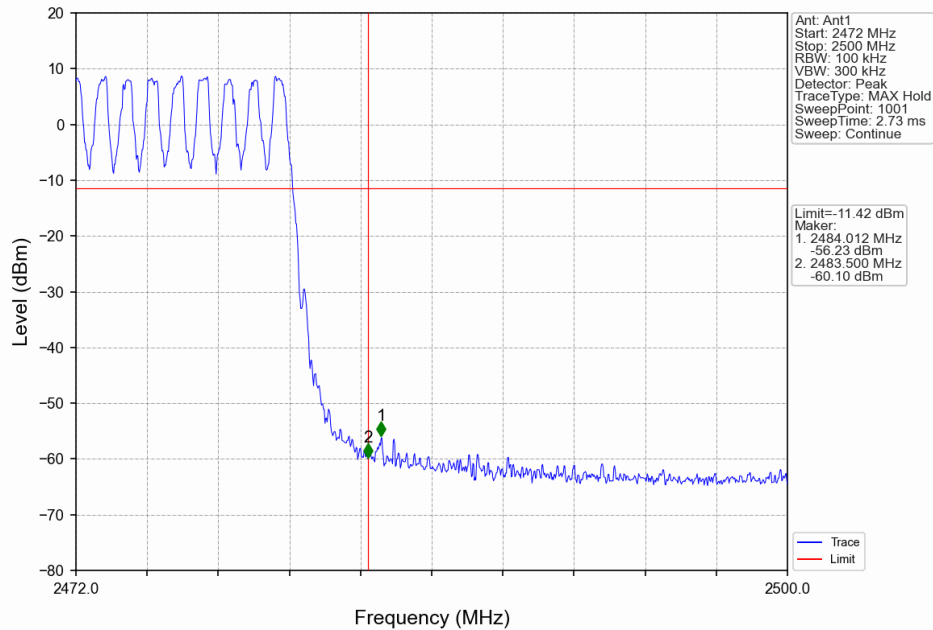
### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



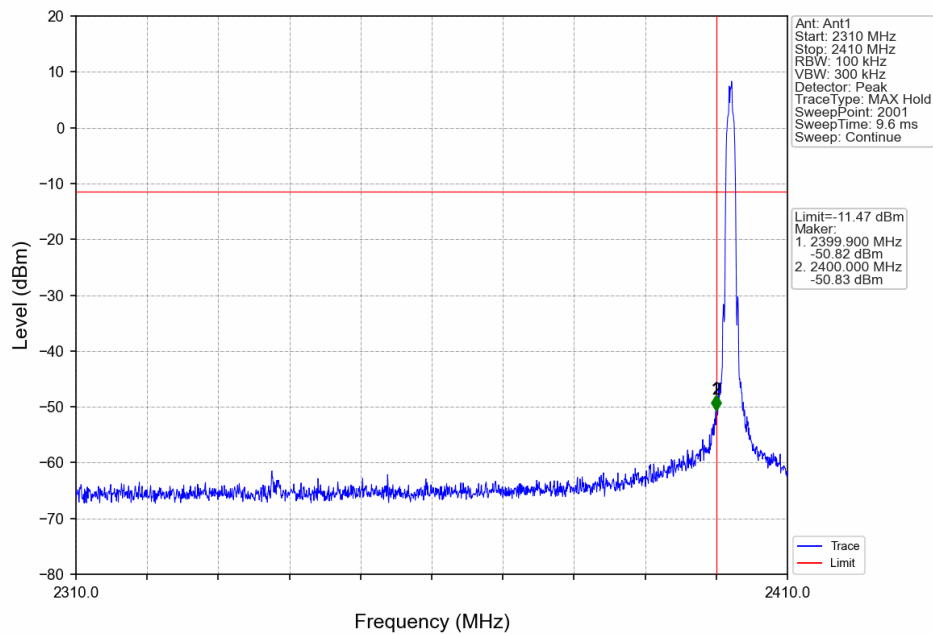
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



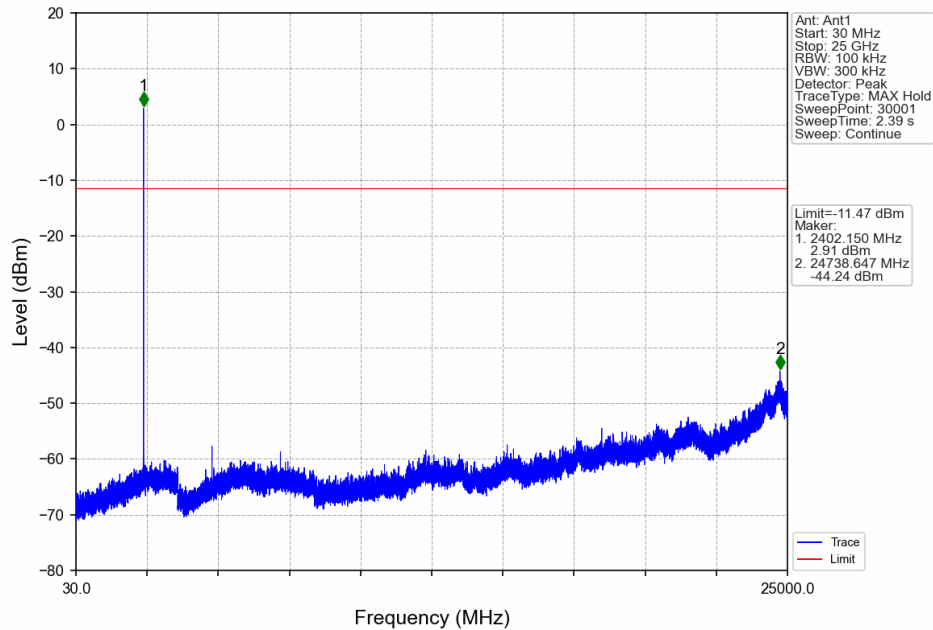
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



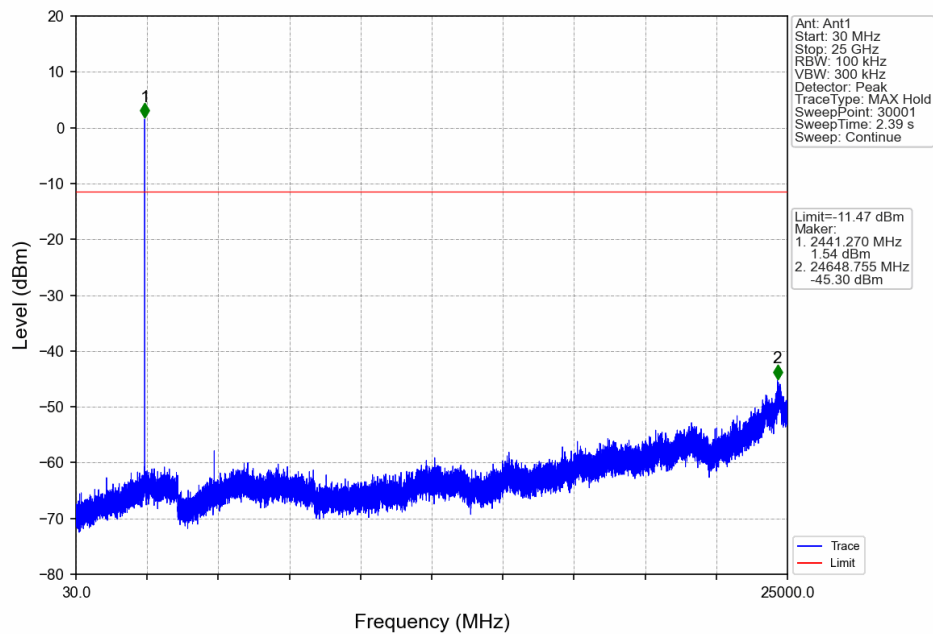
### Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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

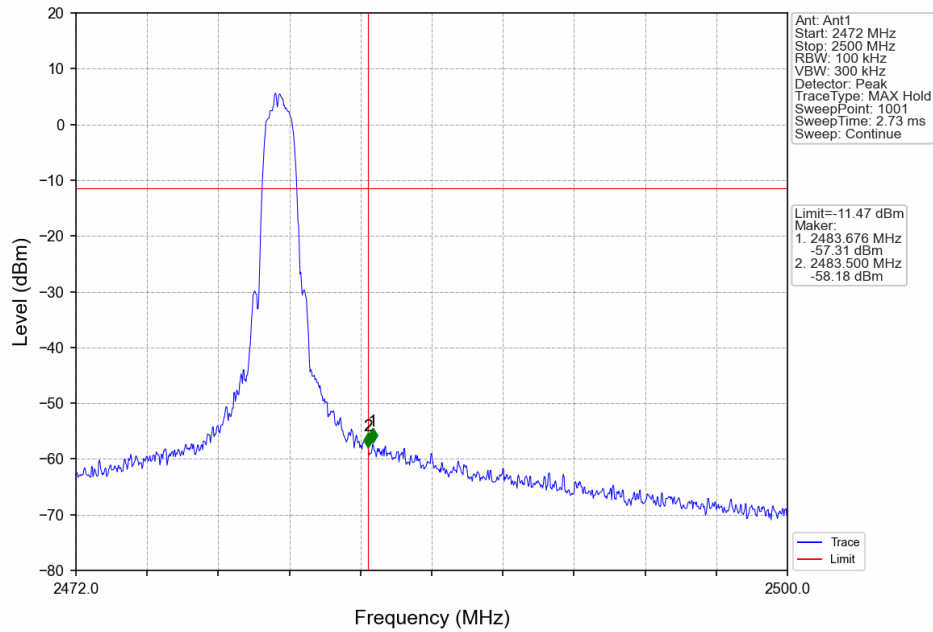


Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

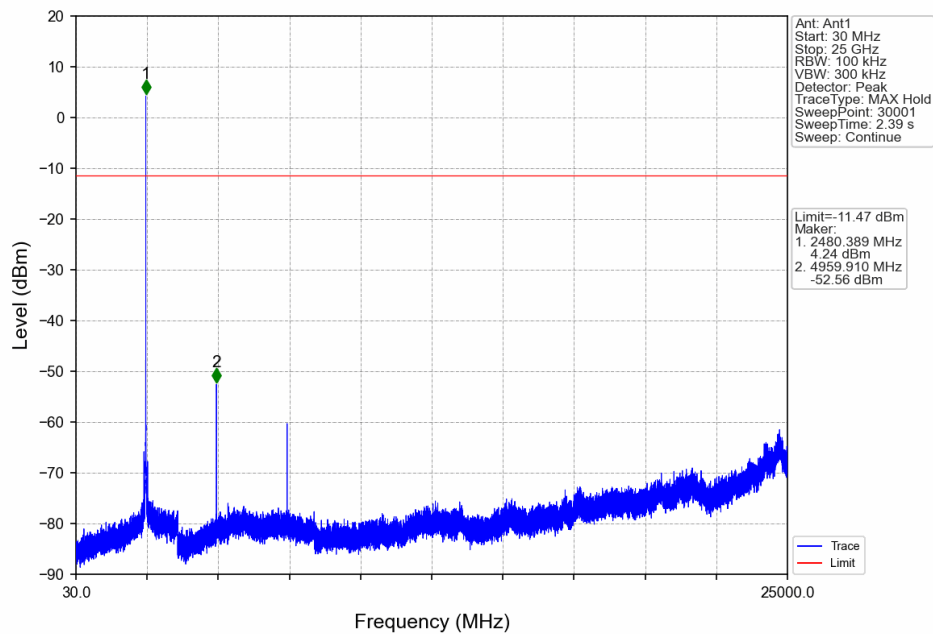


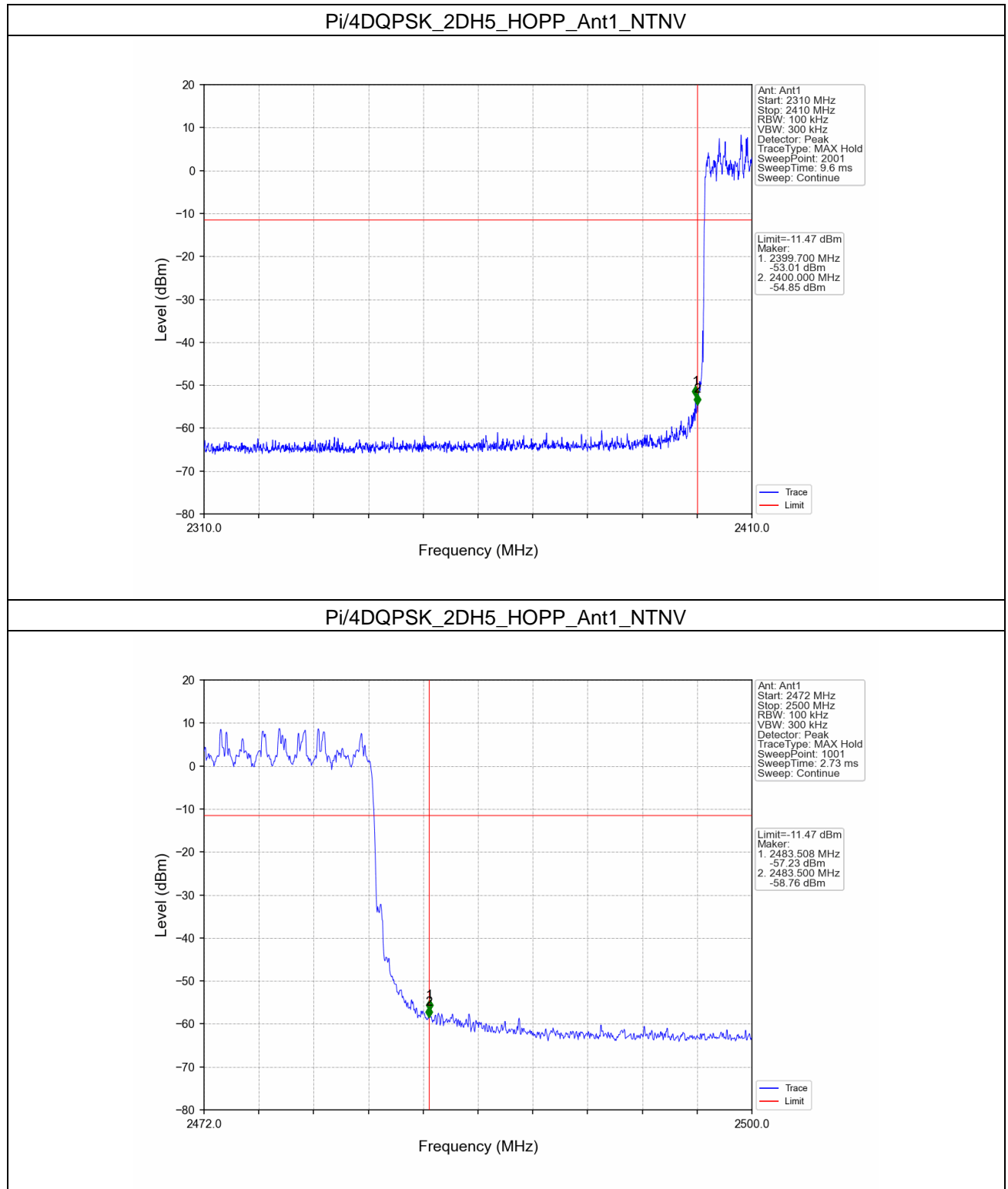


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



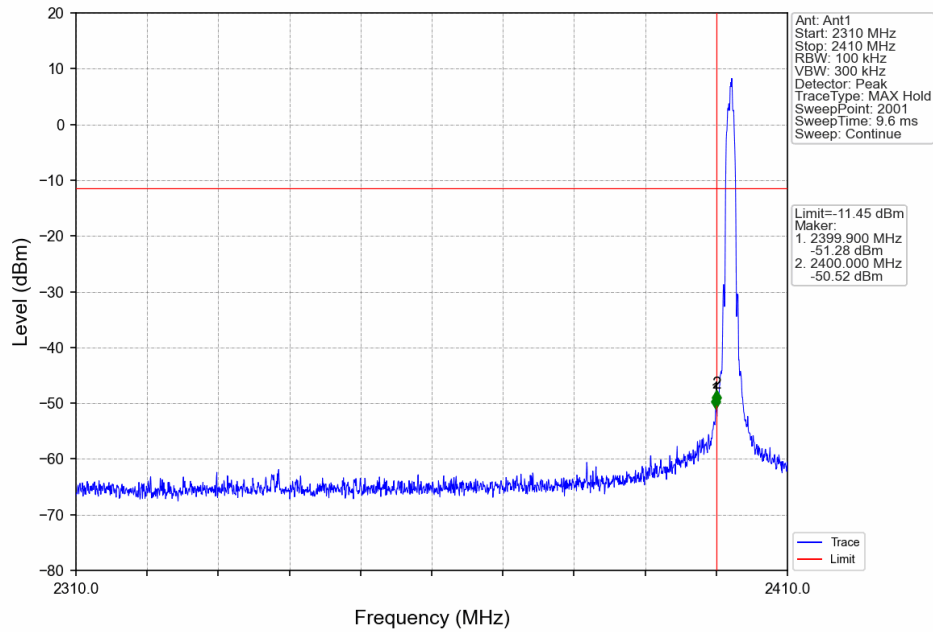


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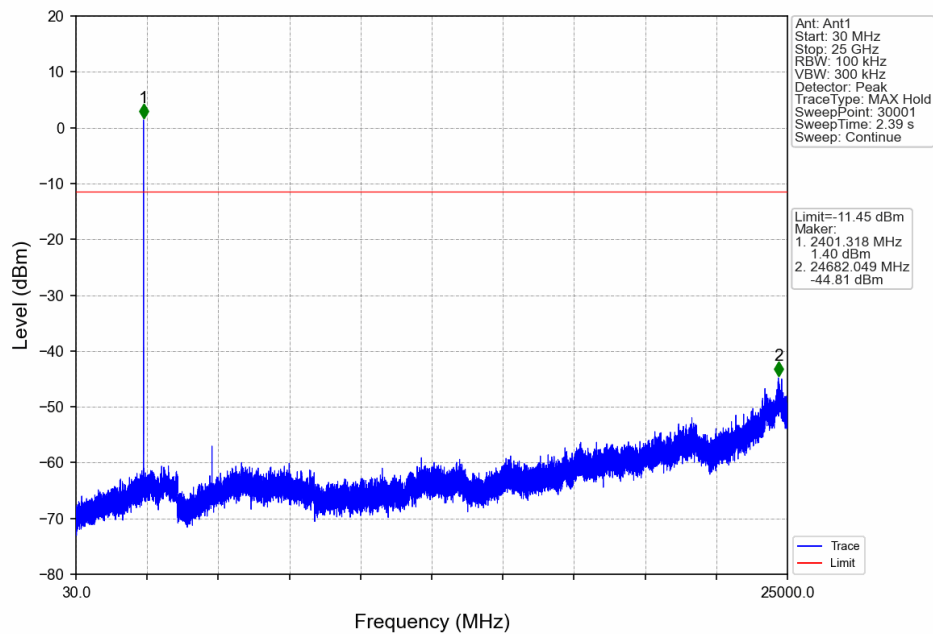
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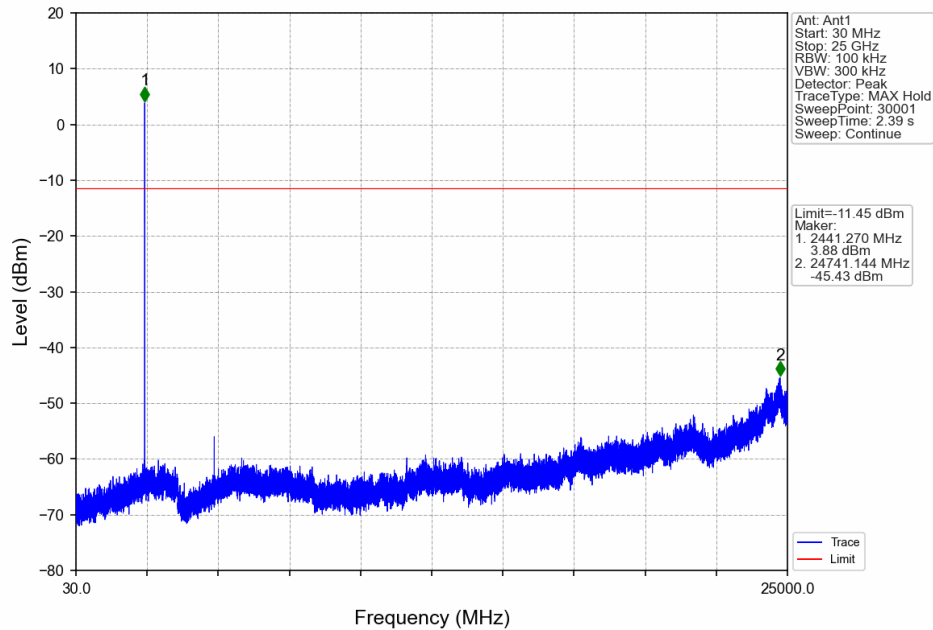
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



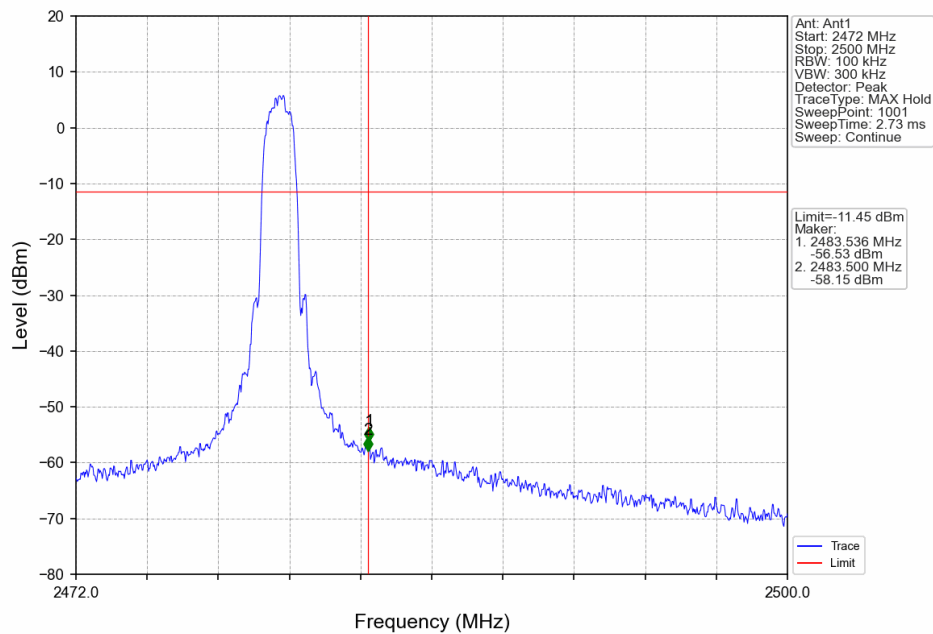
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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



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

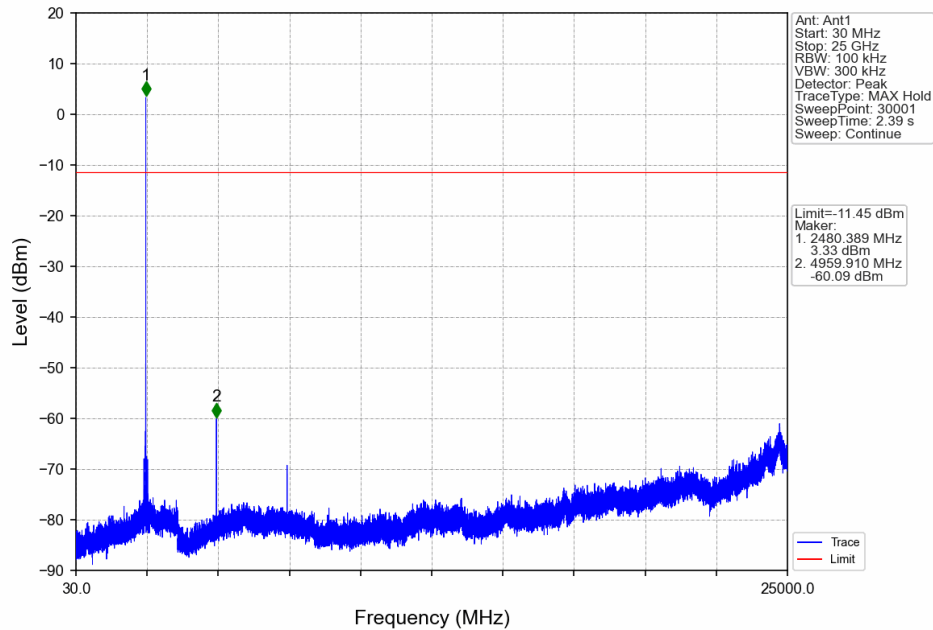


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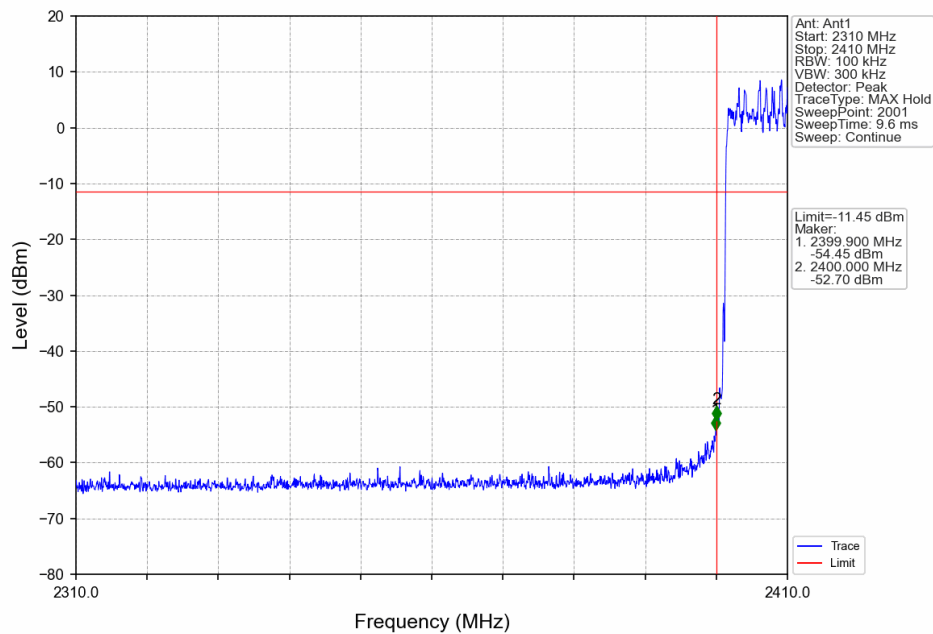
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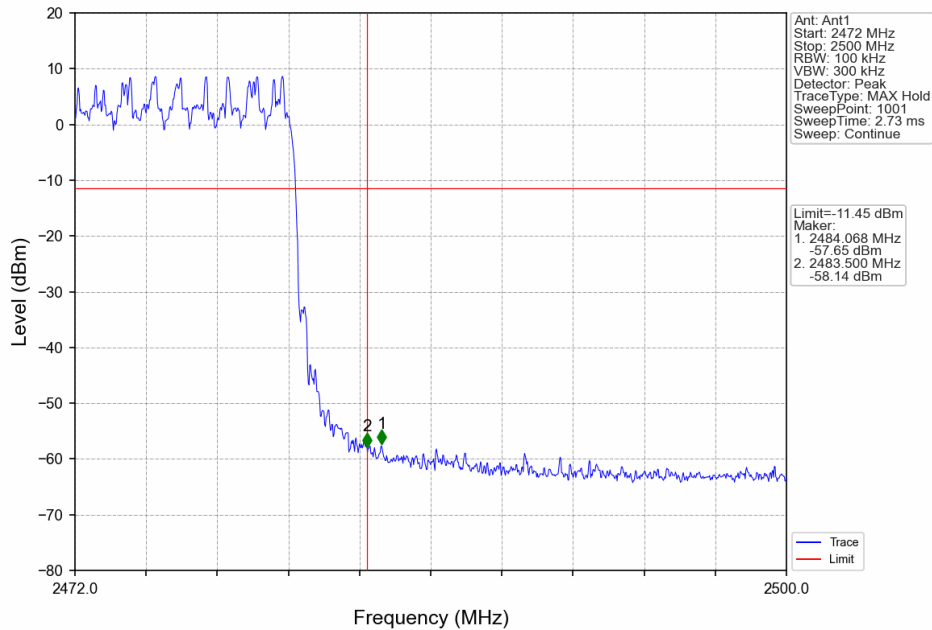
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



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For left earbud:

## 1. Bandwidth

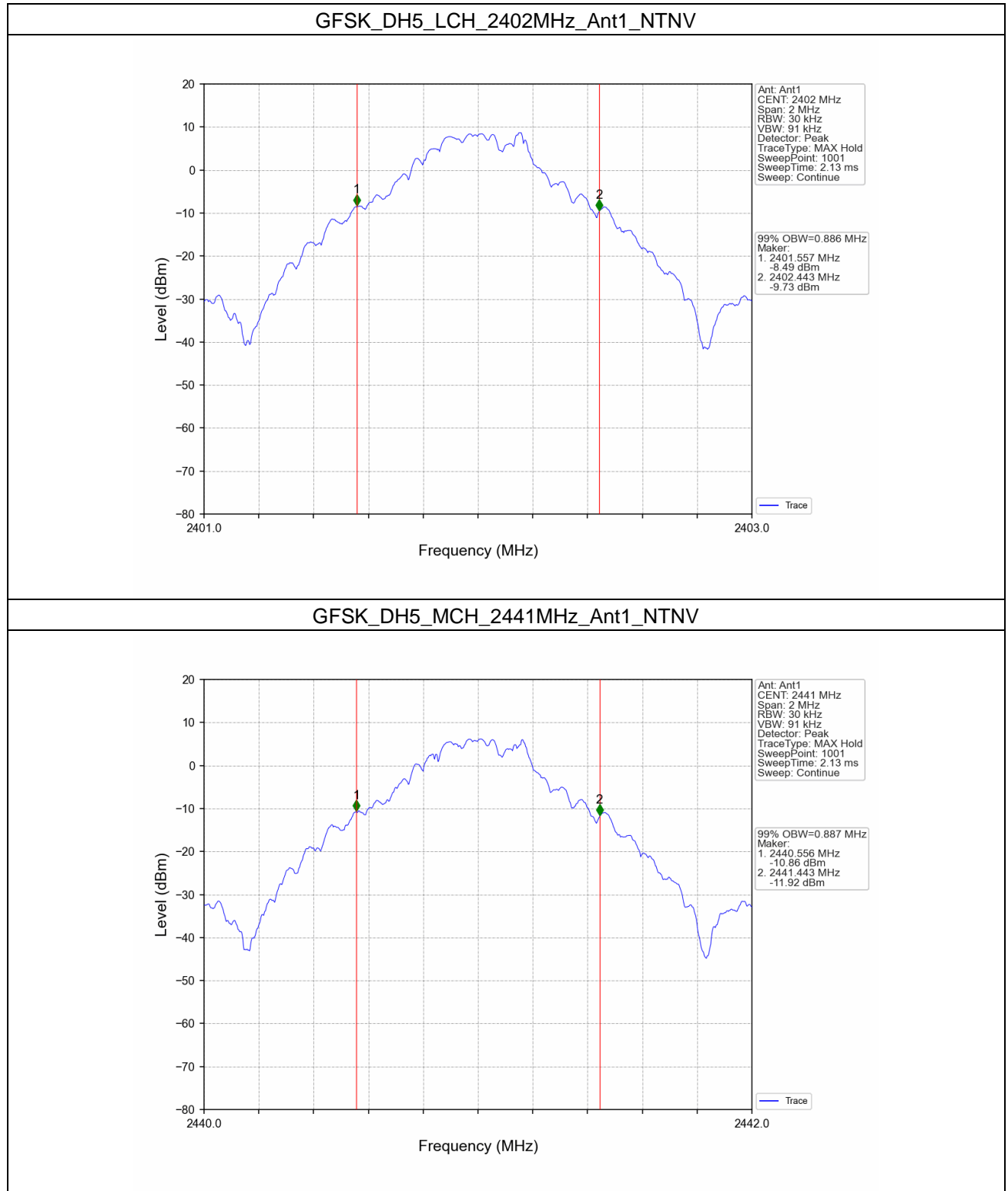
## 1.1 OBW

## 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.886	Pass
		2441	DH5	1	0.887	Pass
		2480	DH5	1	0.887	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.148	Pass
		2441	2DH5	1	1.149	Pass
		2480	2DH5	1	1.152	Pass
8DPSK	SISO	2402	3DH5	1	1.154	Pass
		2441	3DH5	1	1.154	Pass
		2480	3DH5	1	1.157	Pass

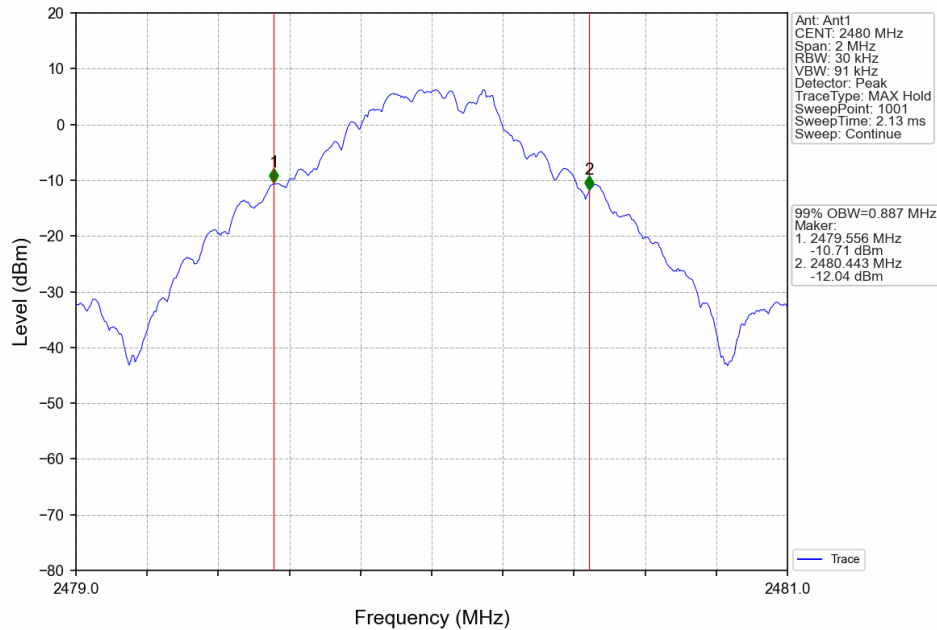


## 1.1.2 Test Graph

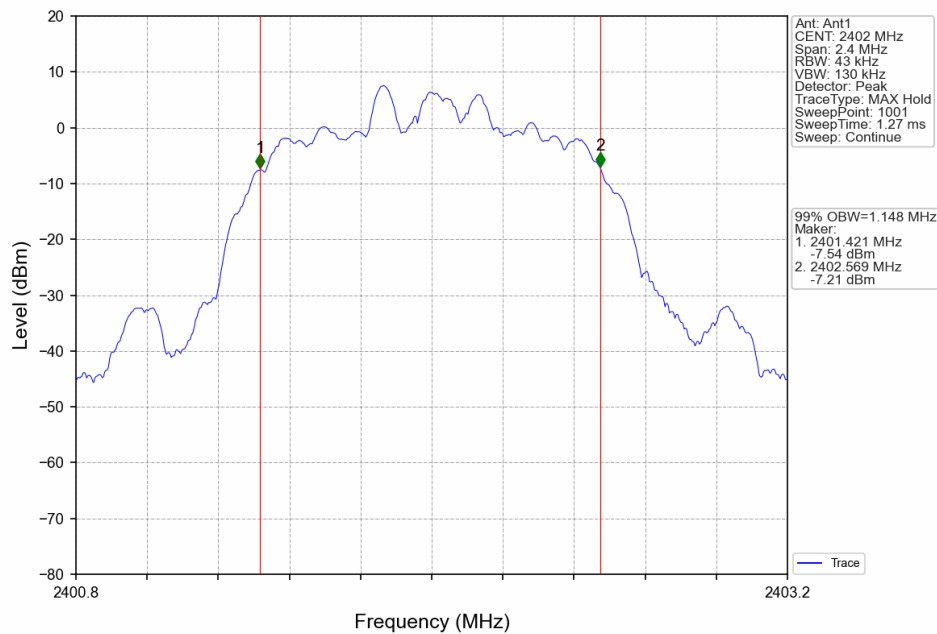




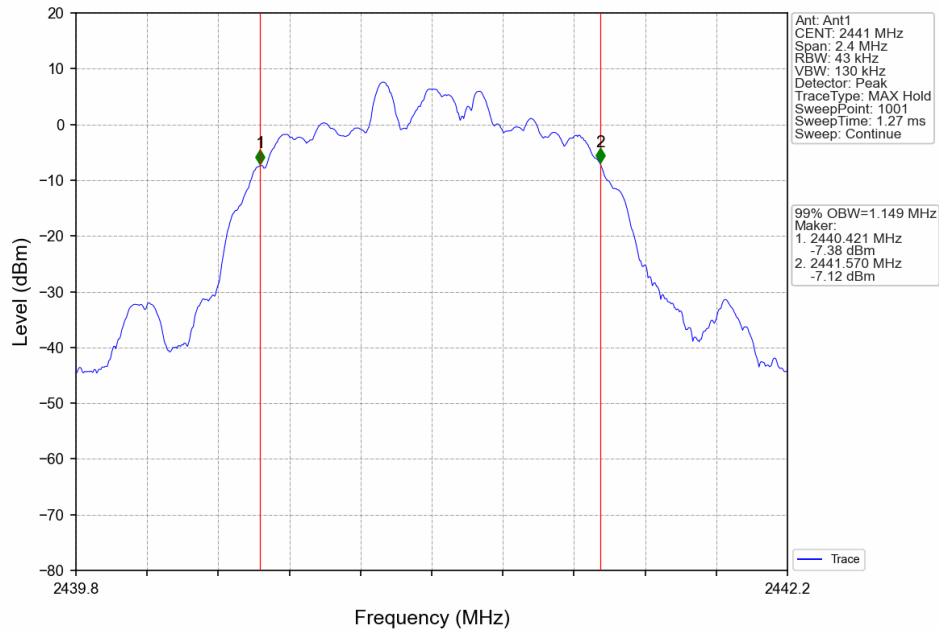
## GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



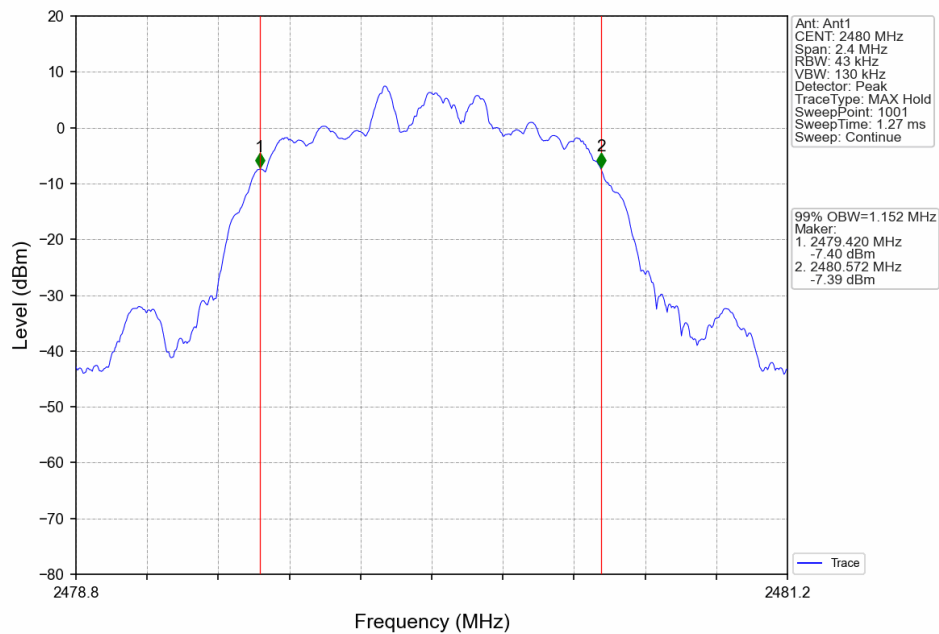
## Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



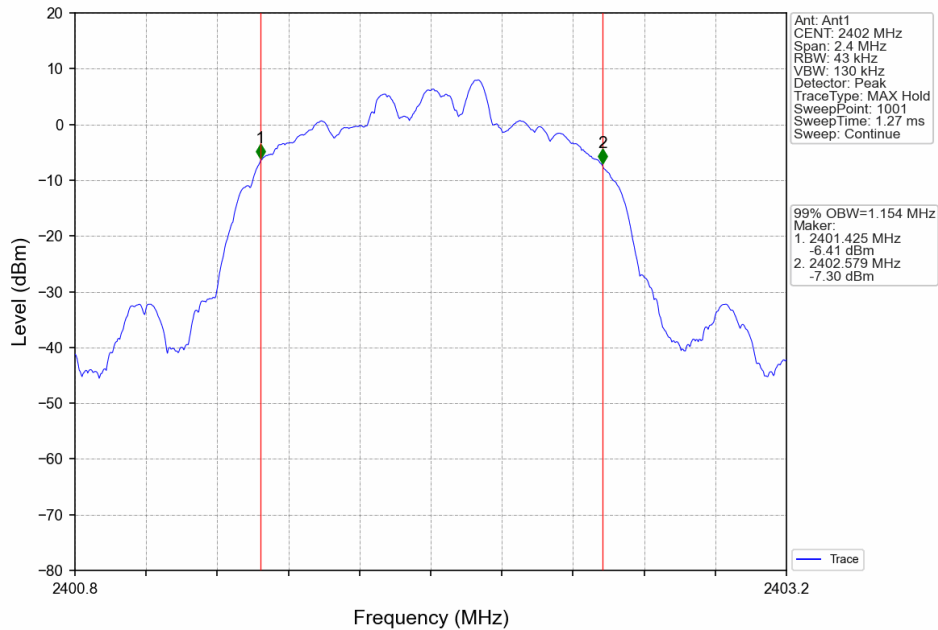
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



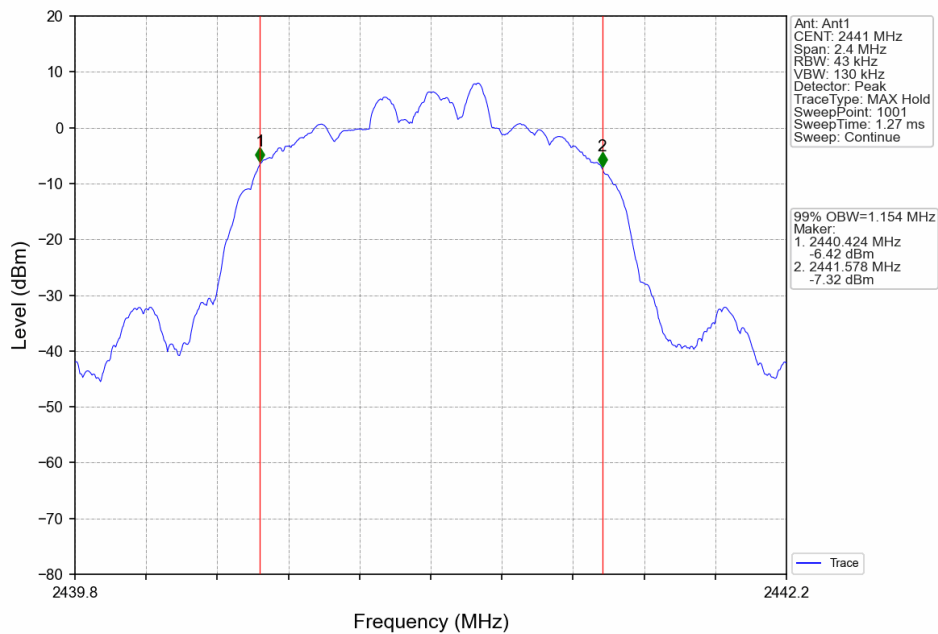
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



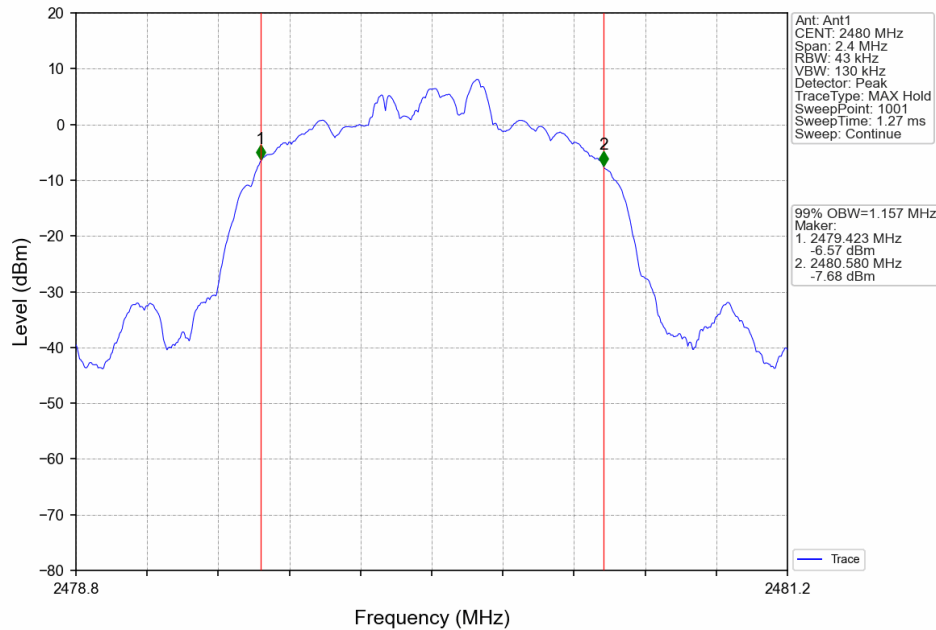
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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



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



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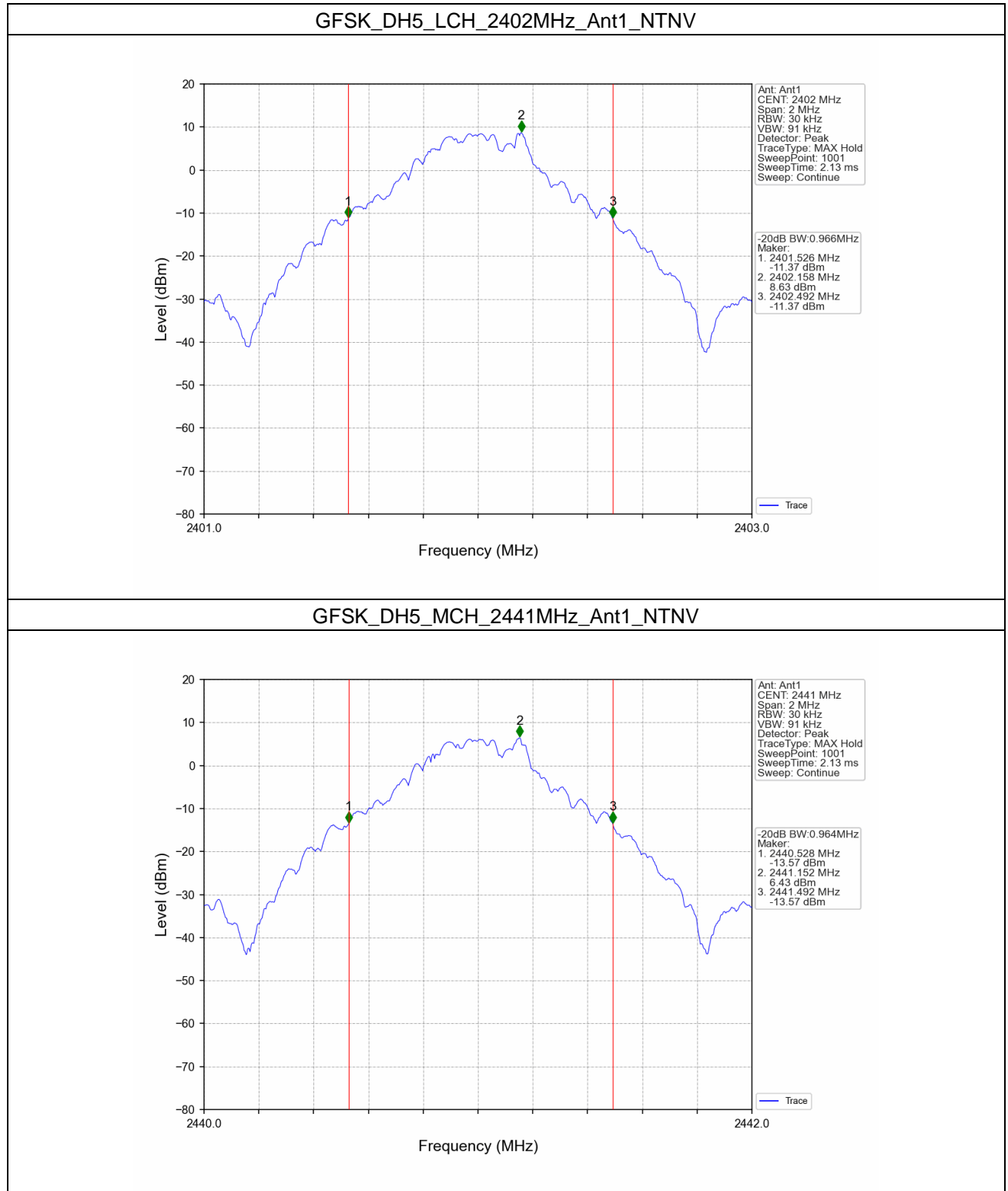


## 1.2 20dB BW

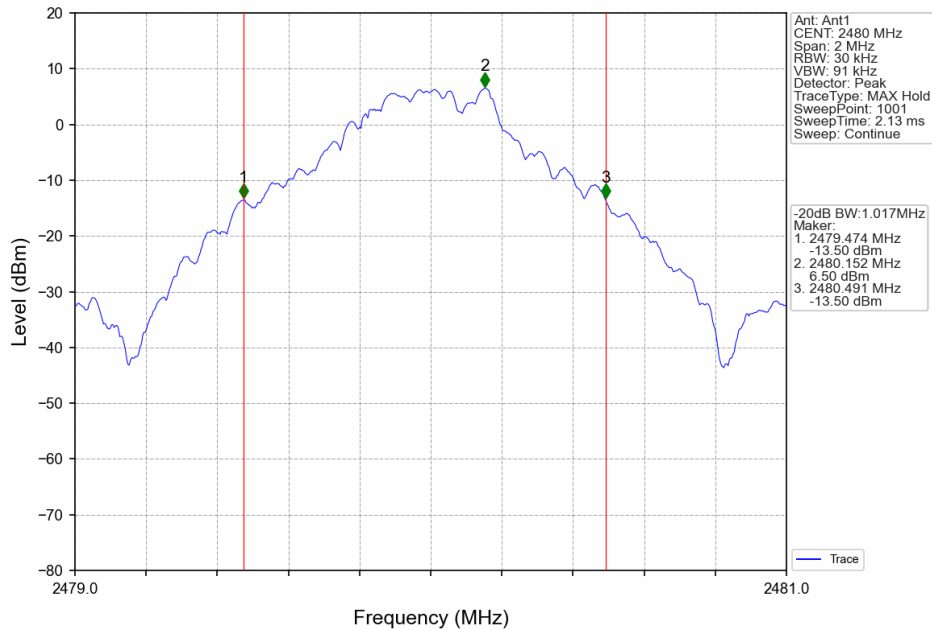
## 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.966	Pass
		2441	DH5	1	0.964	Pass
		2480	DH5	1	1.017	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.268	Pass
		2441	2DH5	1	1.269	Pass
		2480	2DH5	1	1.270	Pass
8DPSK	SISO	2402	3DH5	1	1.278	Pass
		2441	3DH5	1	1.280	Pass
		2480	3DH5	1	1.282	Pass

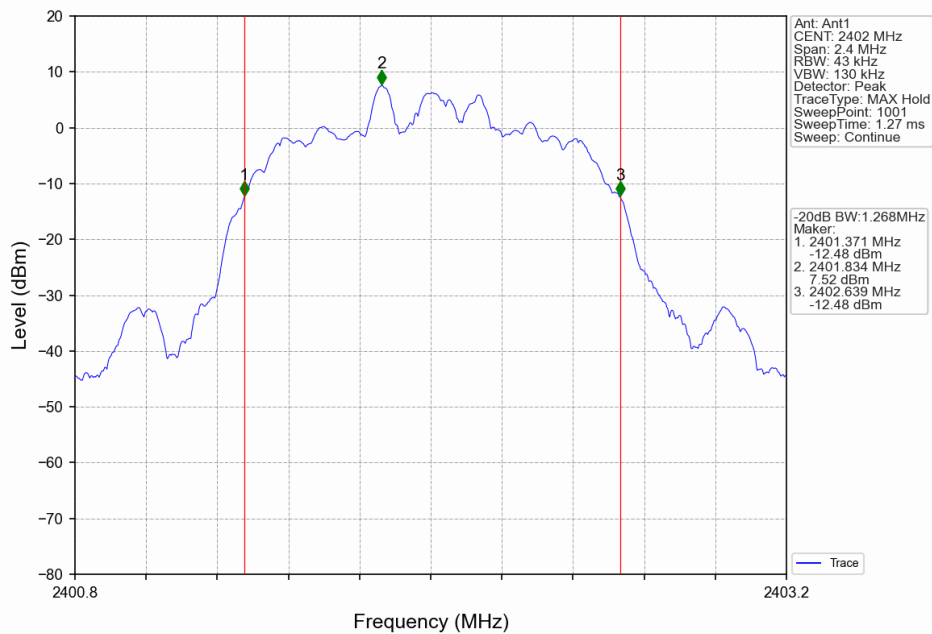
### 1.2.2 Test Graph



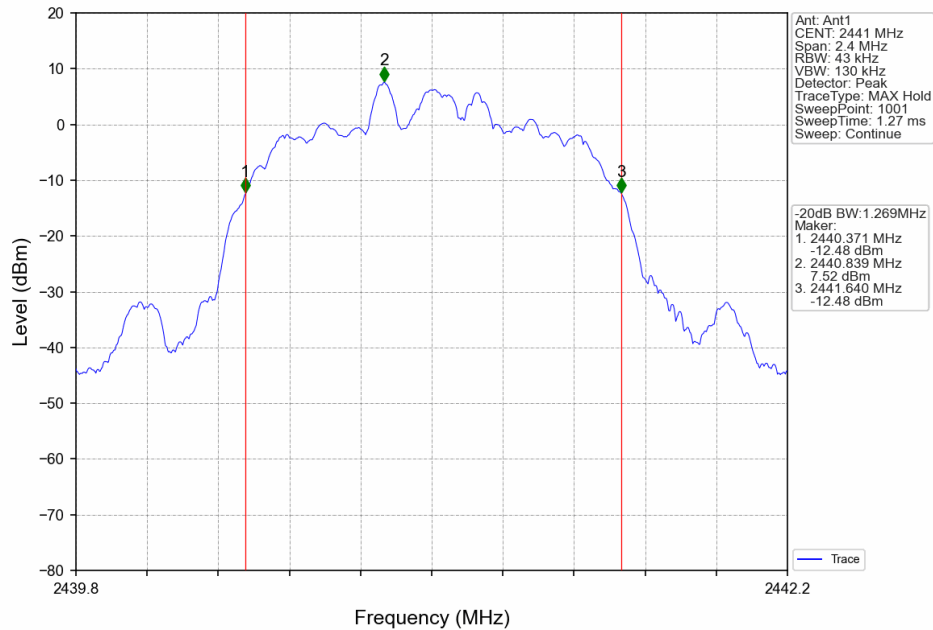
## GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



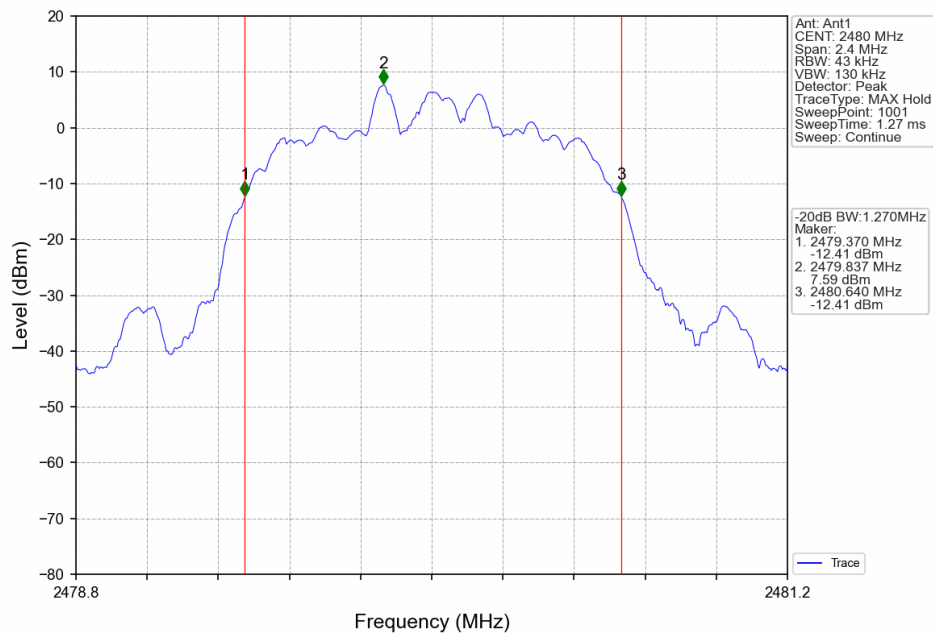
## Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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

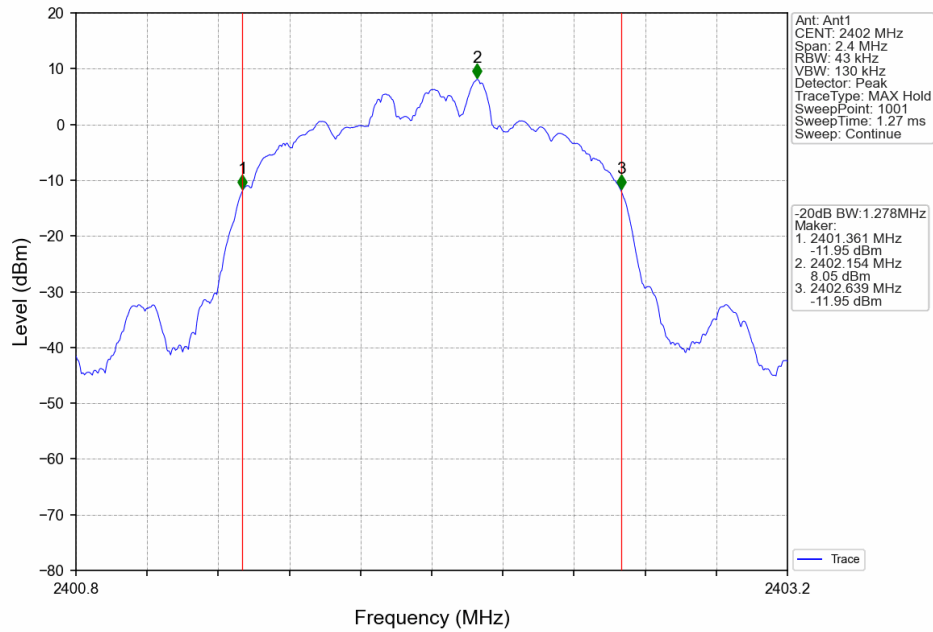


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

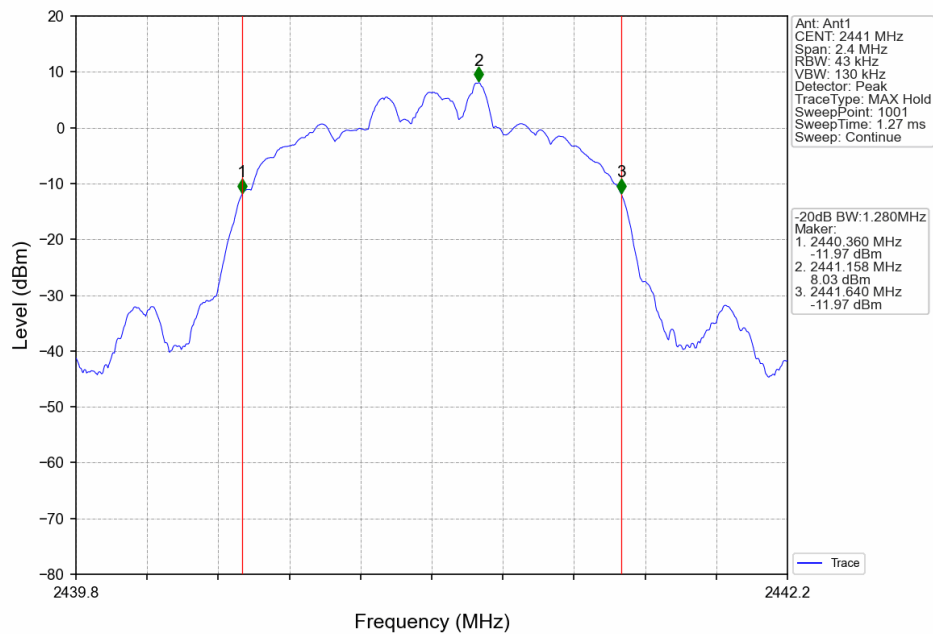




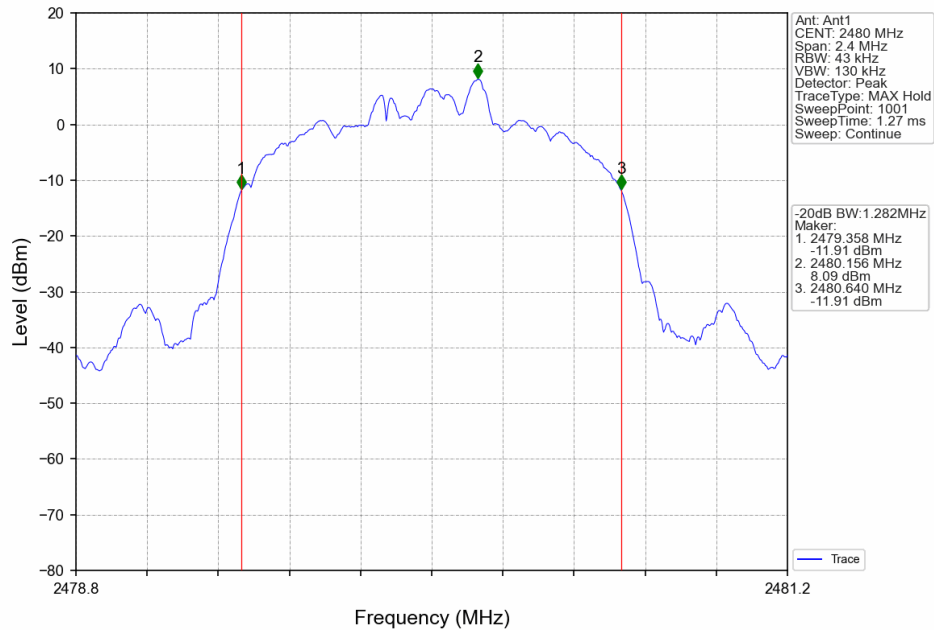
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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



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



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## 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	8.74	$\leq 20.97$	Pass
		2441	DH5	8.78	$\leq 20.97$	Pass
		2480	DH5	8.86	$\leq 20.97$	Pass
Pi/4DQPSK	SISO	2402	2DH5	8.76	$\leq 20.97$	Pass
		2441	2DH5	8.81	$\leq 20.97$	Pass
		2480	2DH5	8.86	$\leq 20.97$	Pass
8DPSK	SISO	2402	3DH5	8.82	$\leq 20.97$	Pass
		2441	3DH5	8.83	$\leq 20.97$	Pass
		2480	3DH5	8.90	$\leq 20.97$	Pass



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### 3. Carrier Frequency Separation

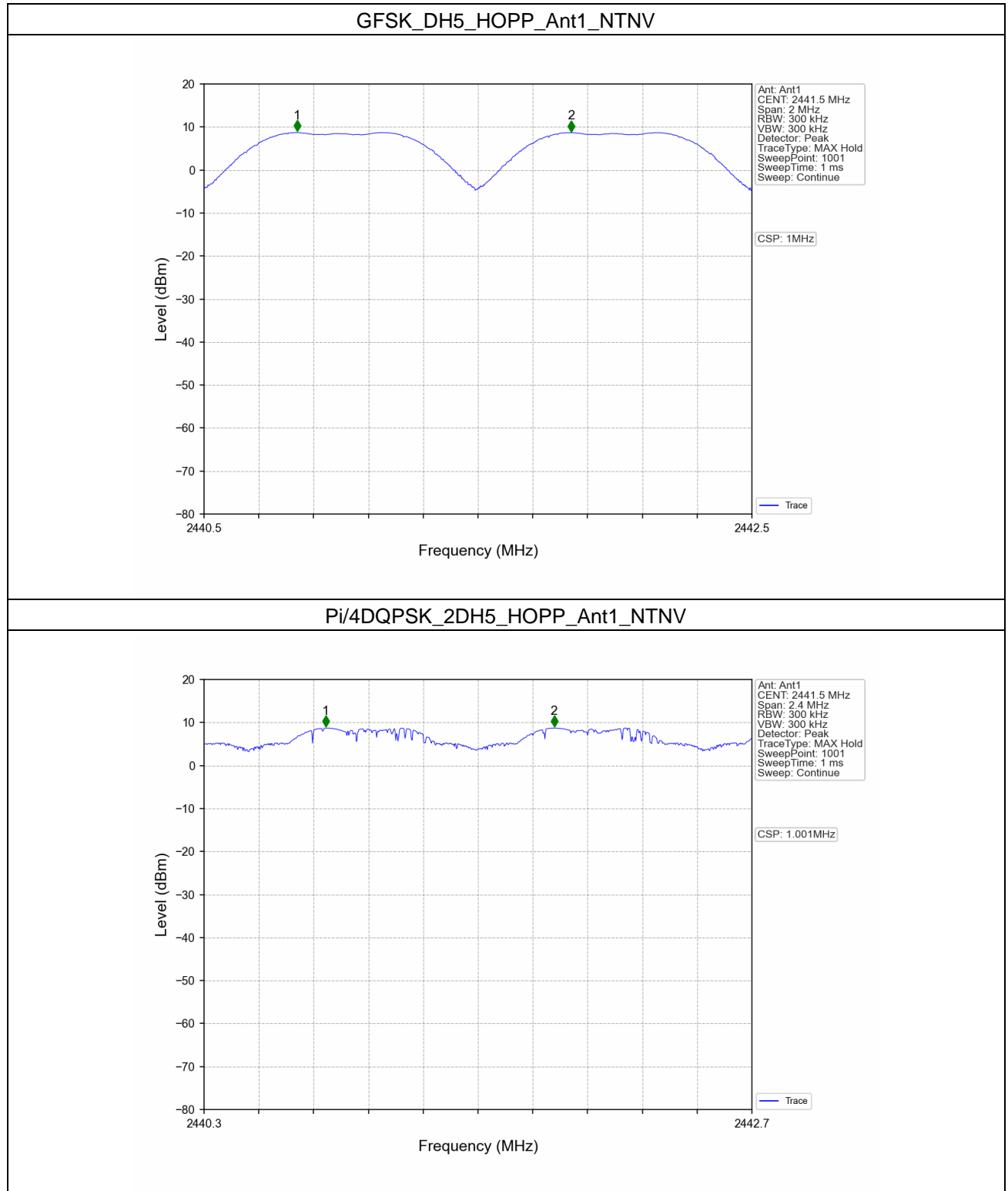
#### 3.1 Ant1

##### 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	1.000	1.017	$\geq 0.678$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.270	$\geq 0.847$	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.282	$\geq 0.855$	Pass



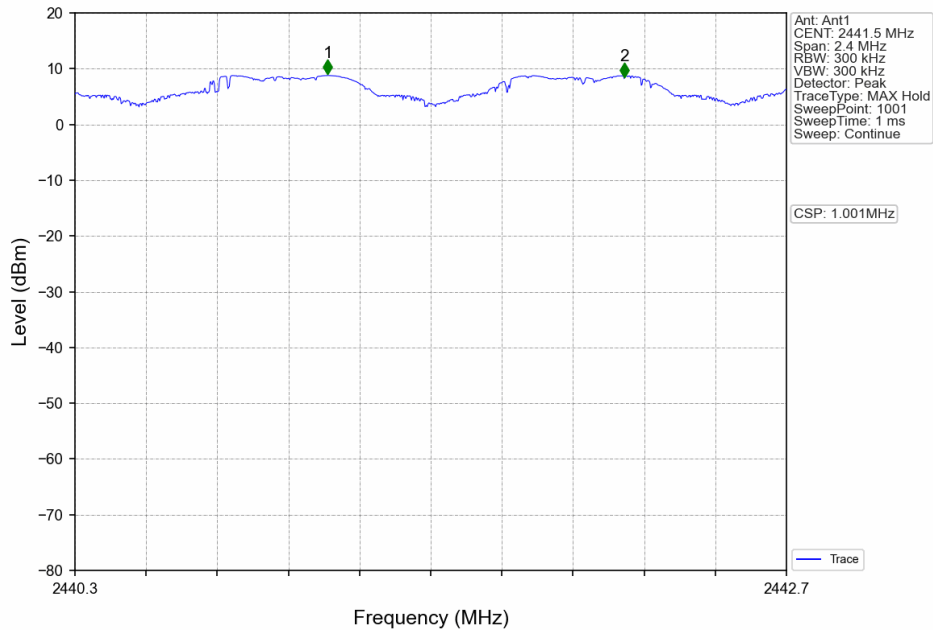
### 3.1.2 Test Graph



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



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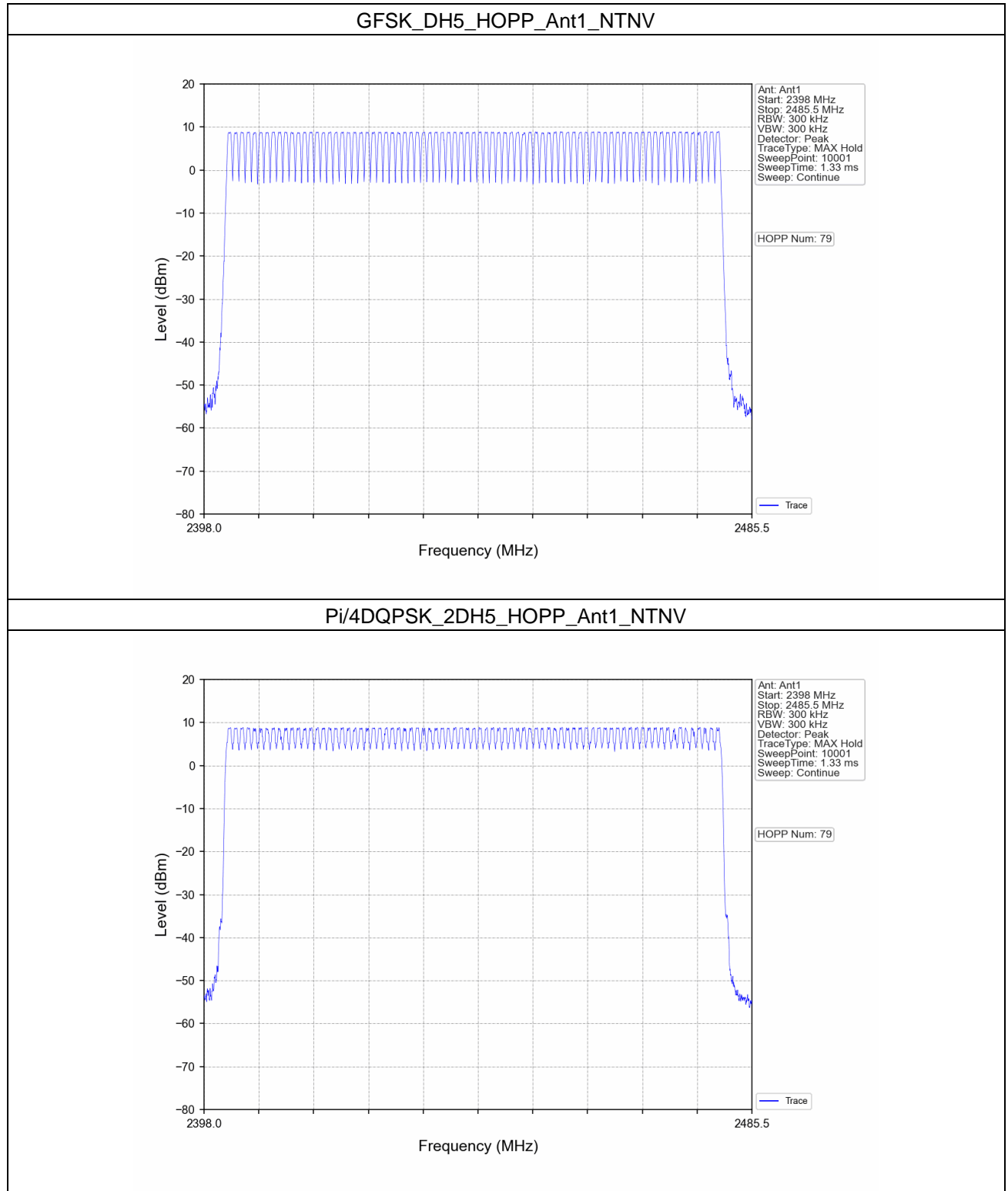
## 4. Number of Hopping Frequencies

### 4.1 HoppNum

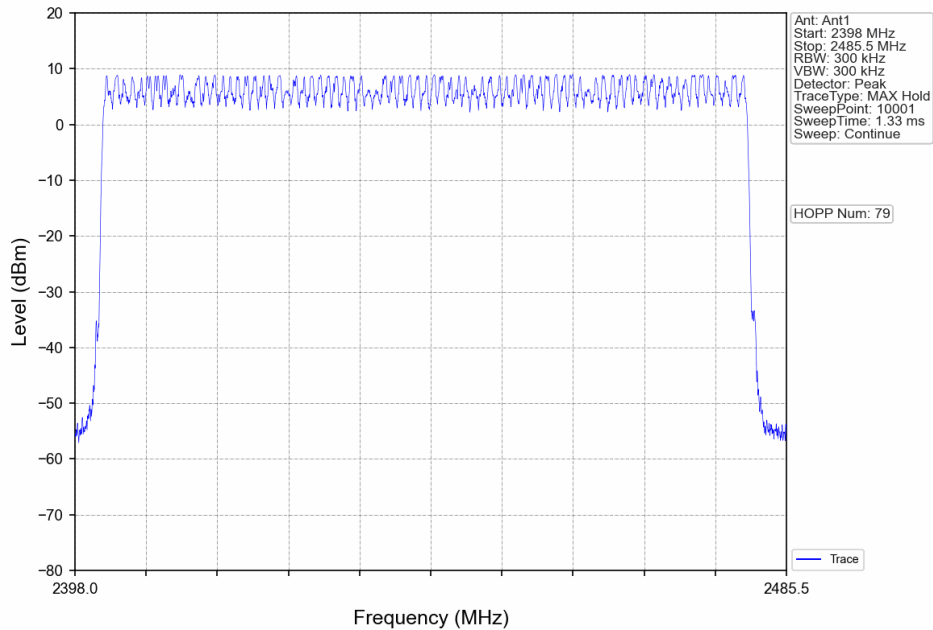
#### 4.1.1 Test Result

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

## 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

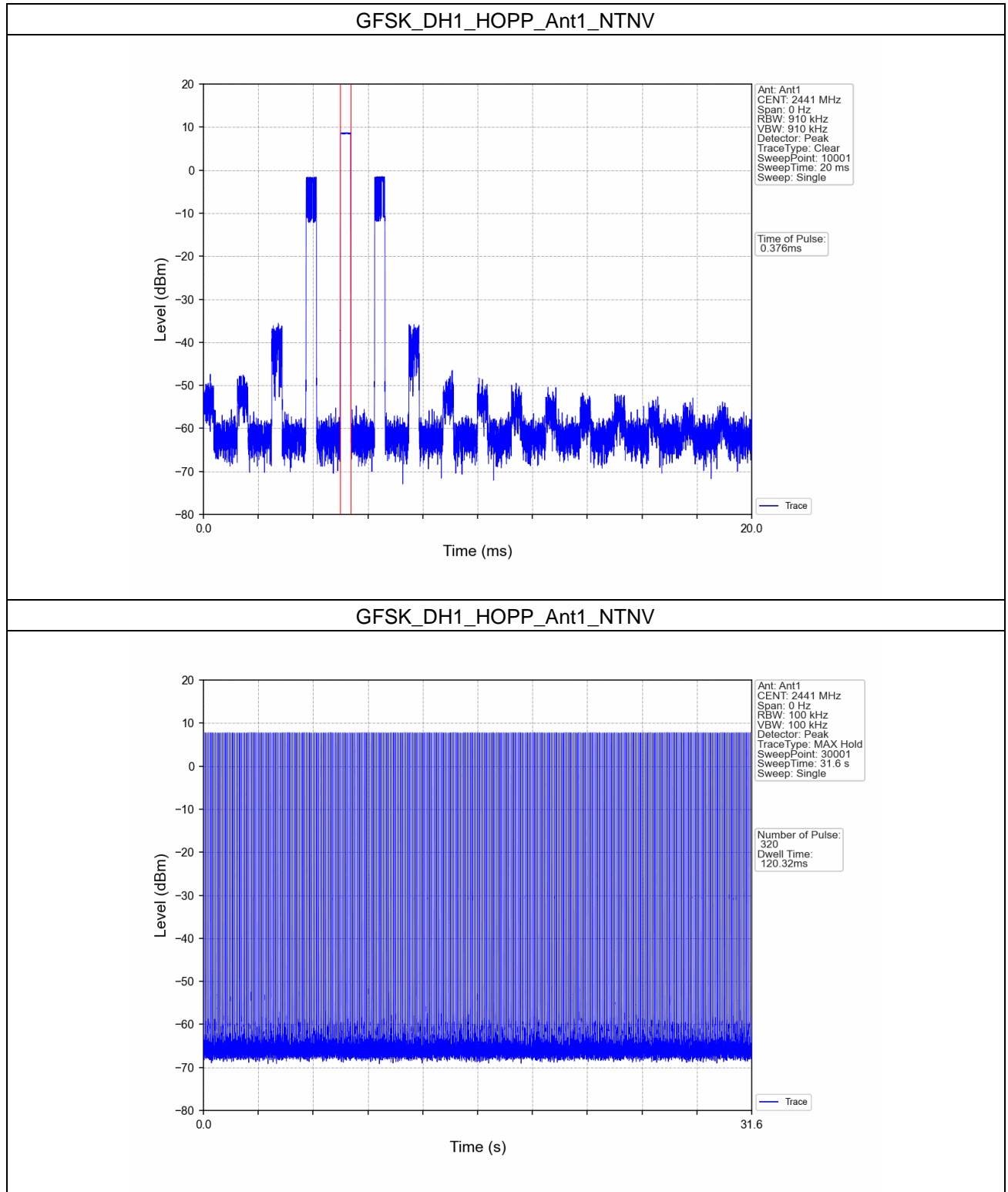
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.376	31.600	320	120.320	<=400	Pass
			DH3	1.632	31.600	160	261.120	<=400	Pass
			DH5	2.882	31.600	107	308.374	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.380	31.600	320	121.600	<=400	Pass
			2DH3	1.634	31.600	160	261.440	<=400	Pass
			2DH5	2.882	31.600	107	308.374	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.382	31.600	320	122.240	<=400	Pass
			3DH3	1.632	31.600	160	261.120	<=400	Pass
			3DH5	2.884	31.600	107	308.588	<=400	Pass



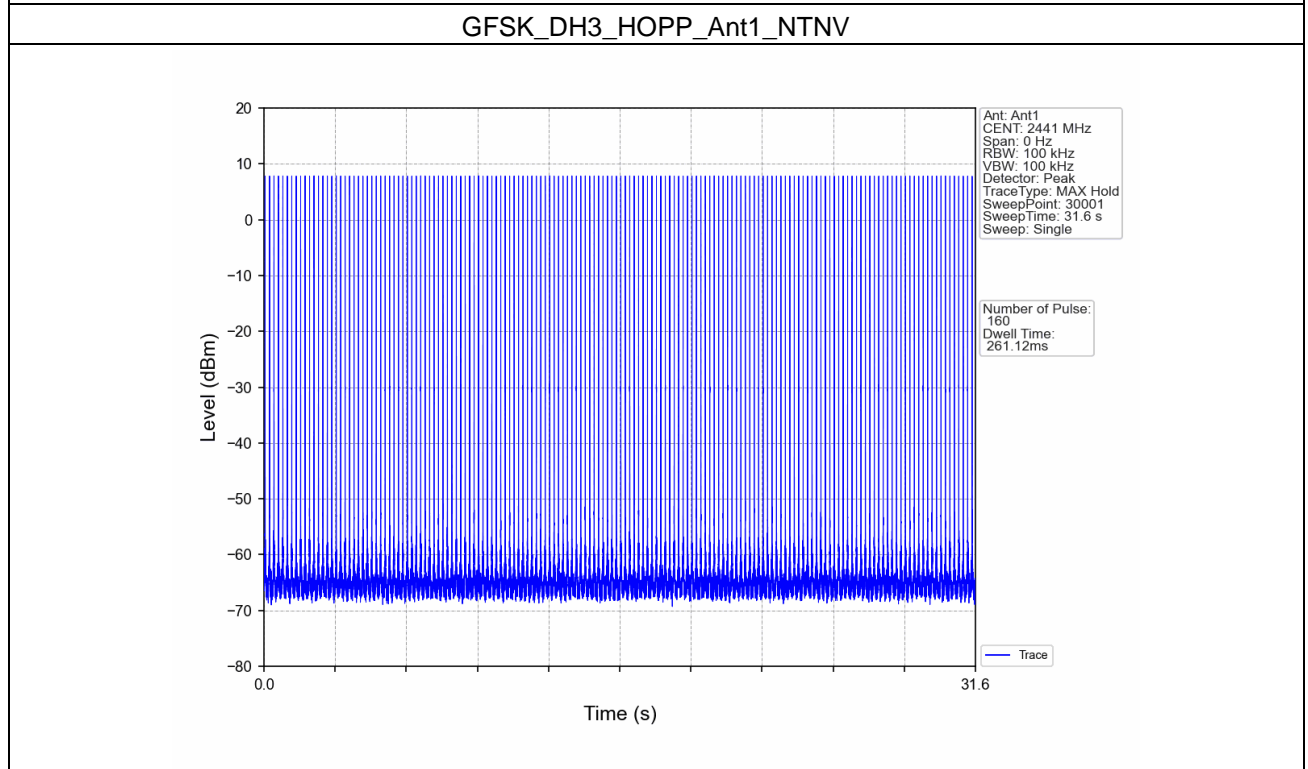
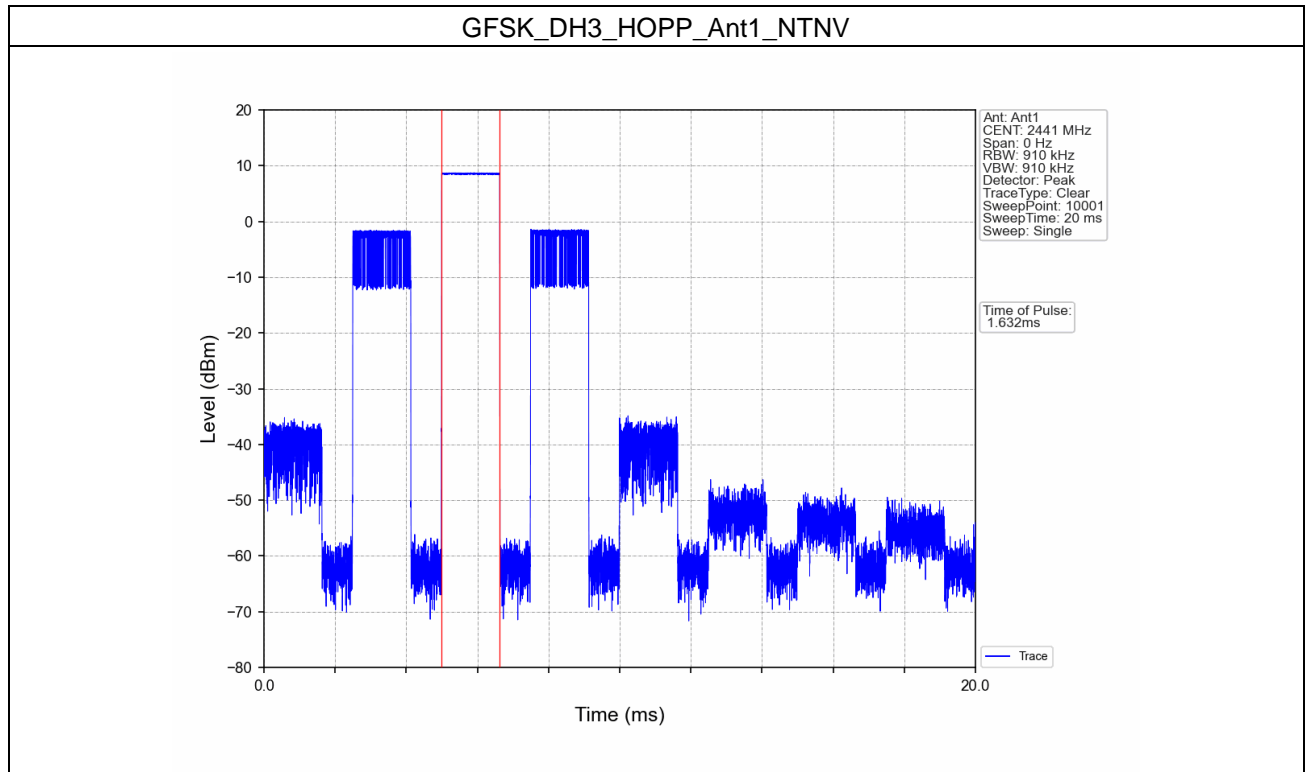
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### 5.1.2 Test Graph



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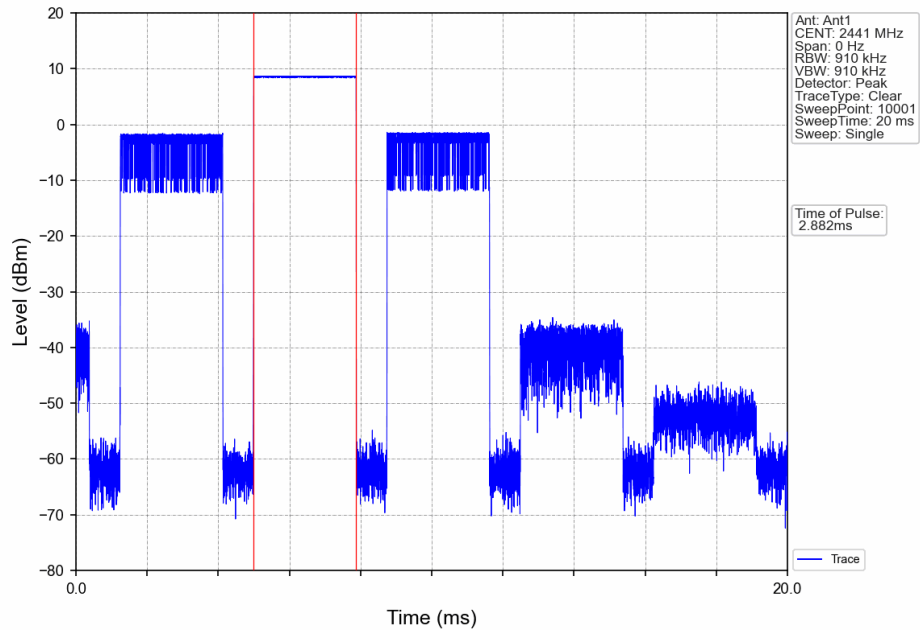


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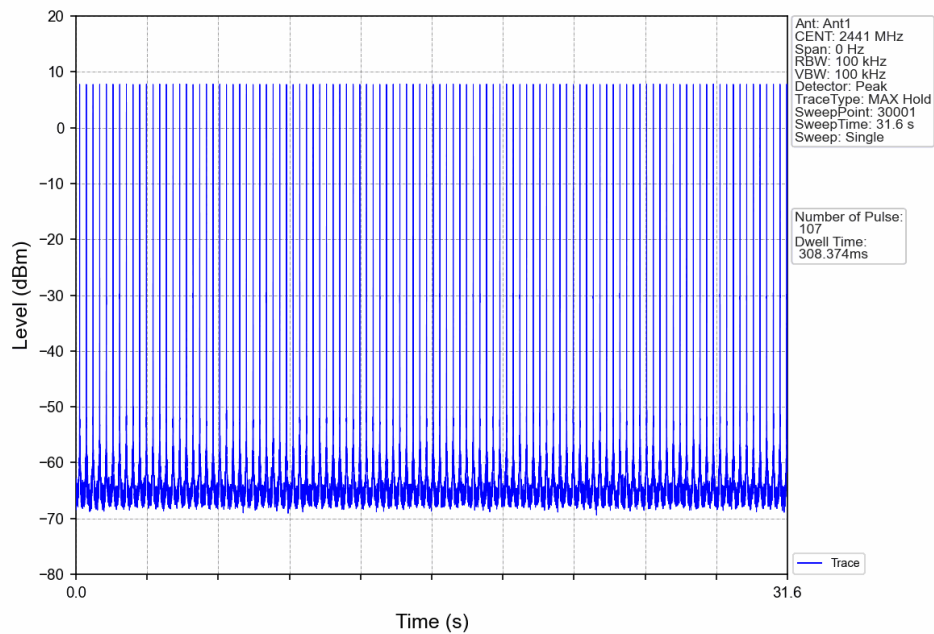
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Guangzhou Branch, SGS China EEC Laboratory. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

GFSK\_DH5\_HOPP\_Ant1\_NTNV

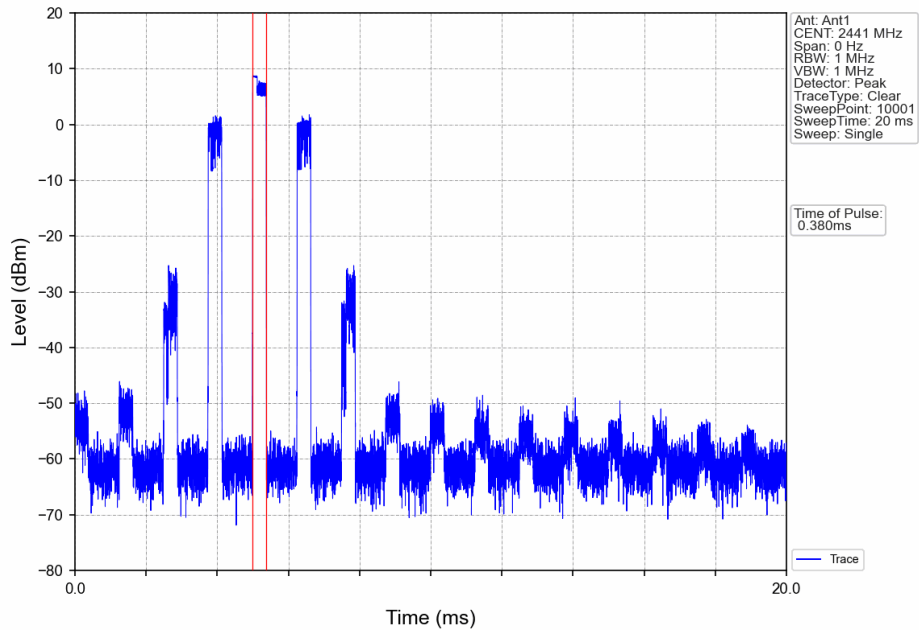


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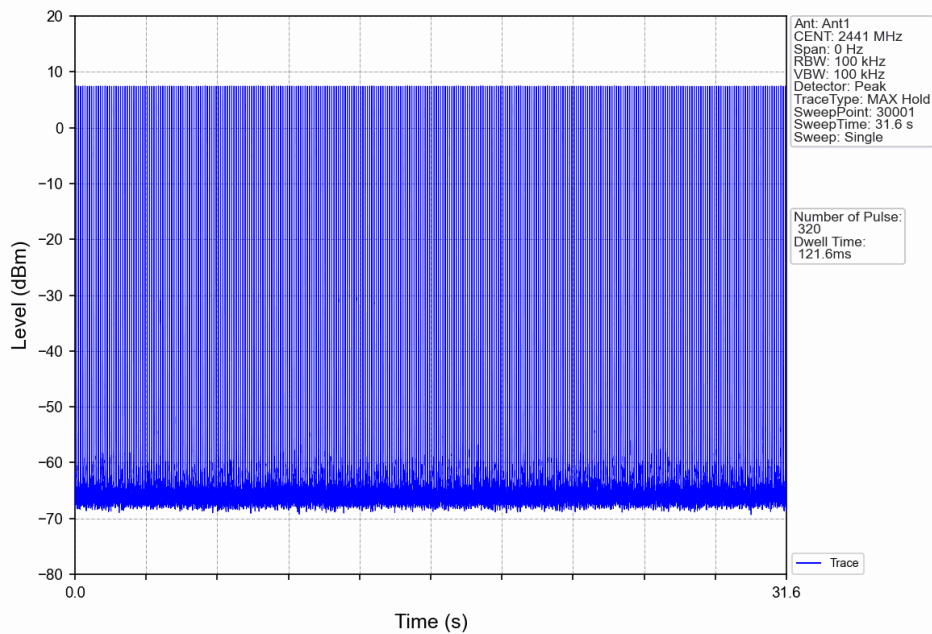




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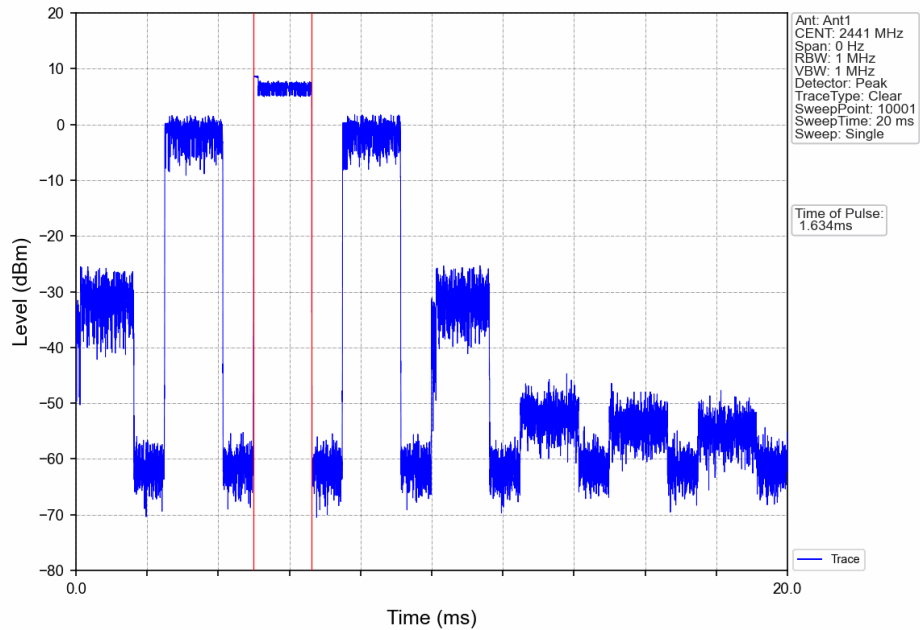


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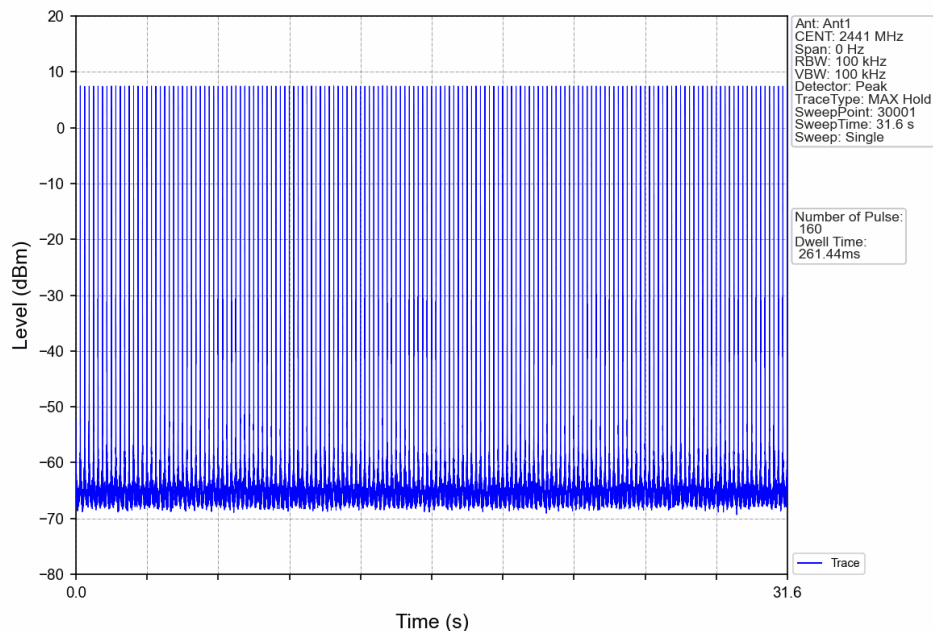




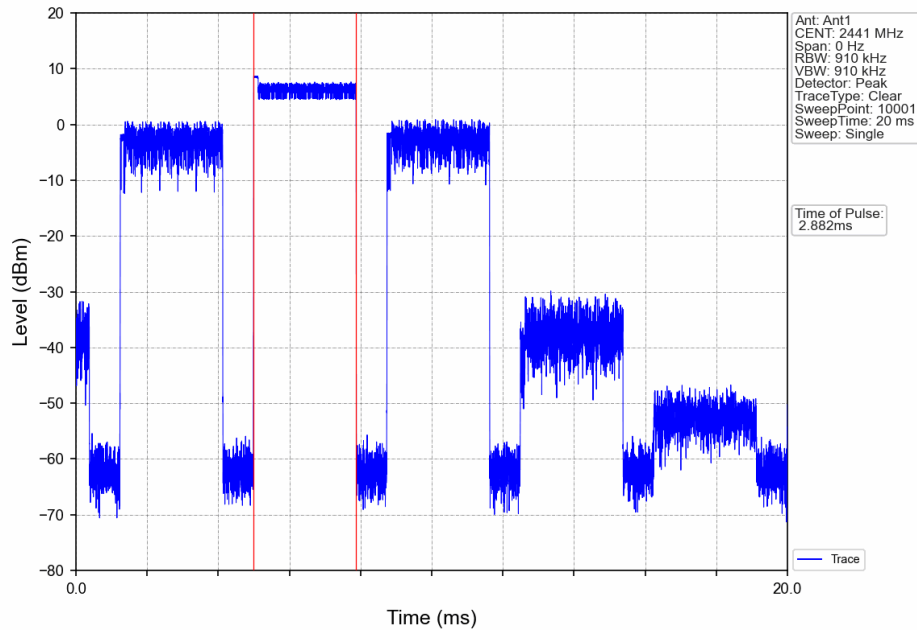
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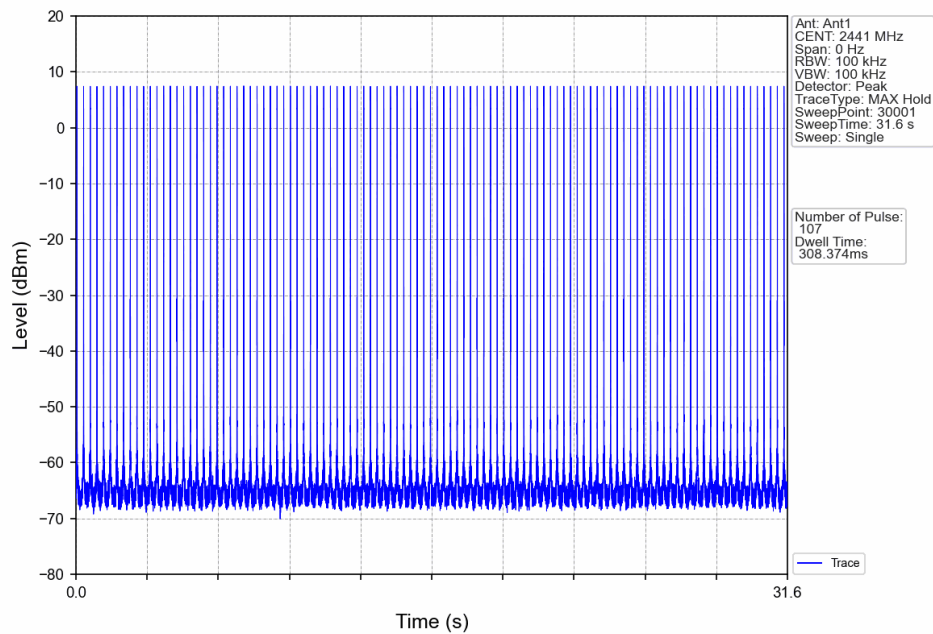
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



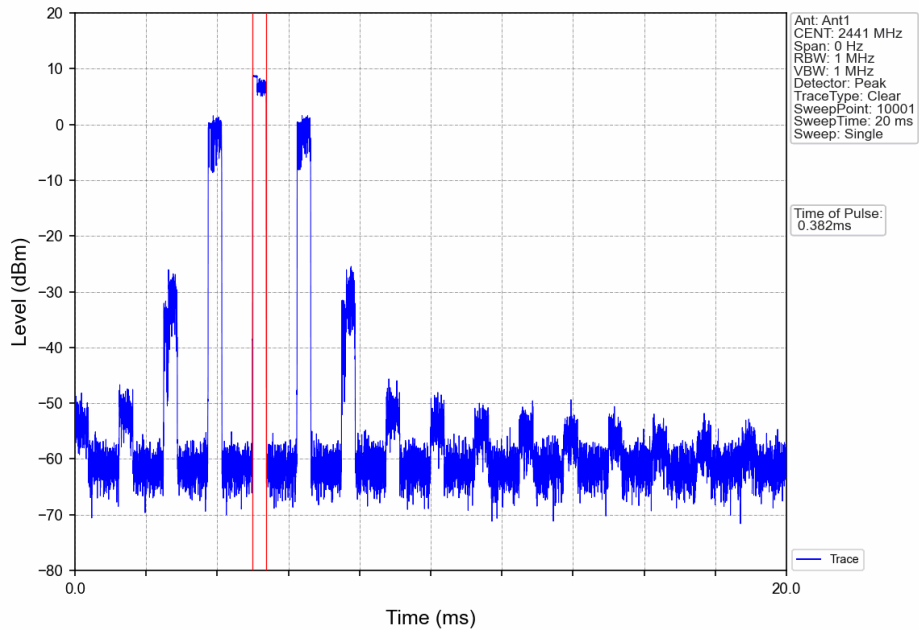
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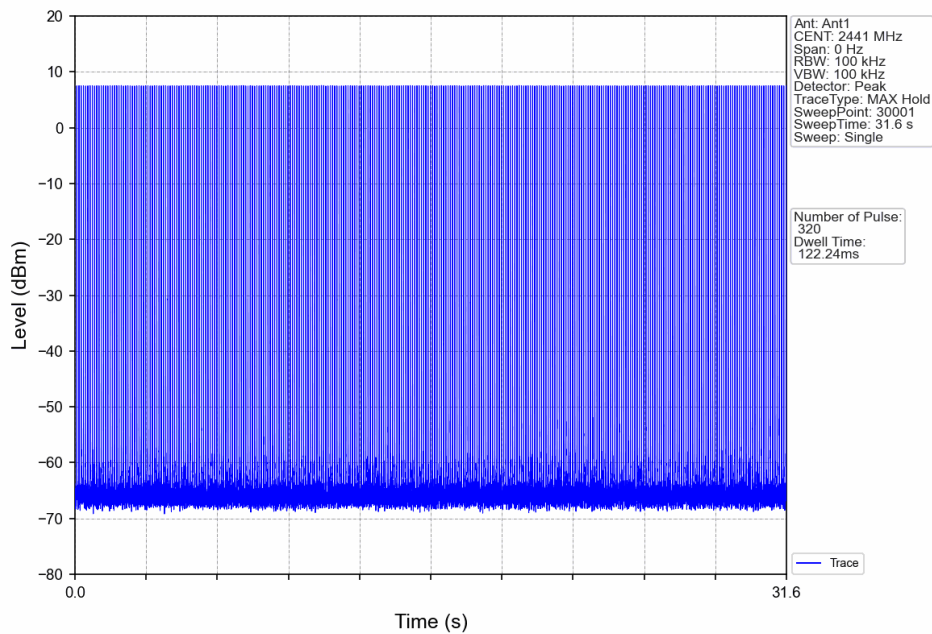
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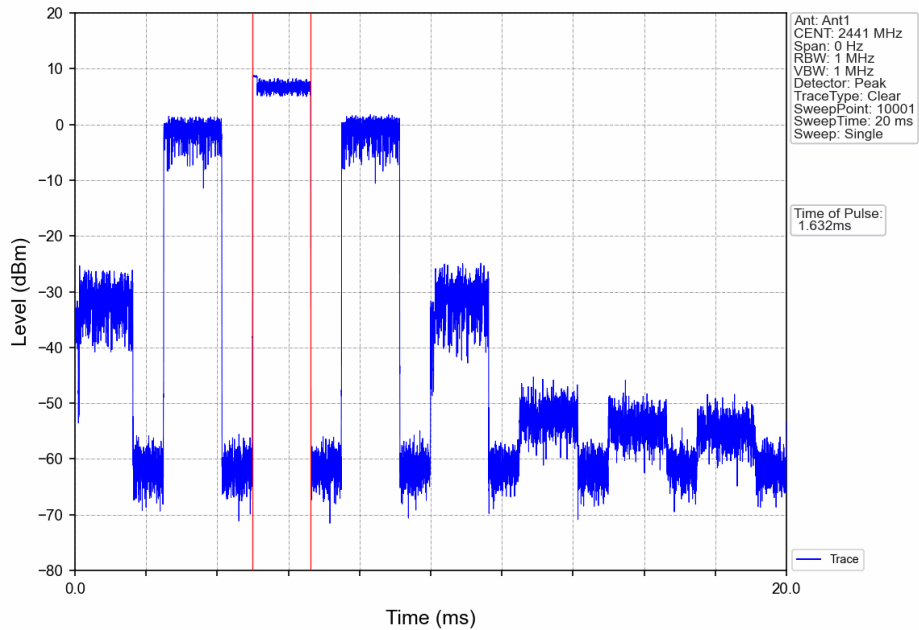
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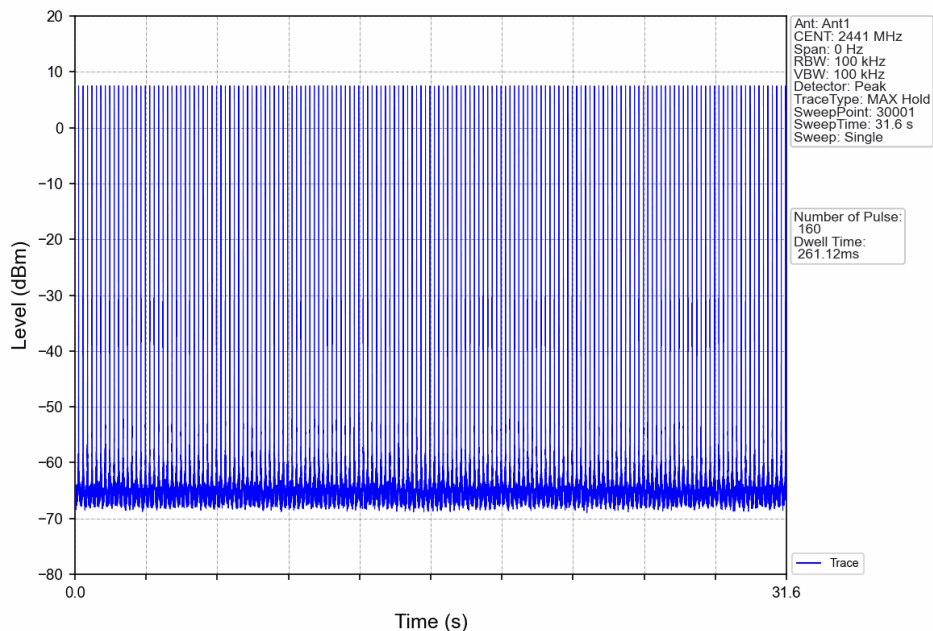
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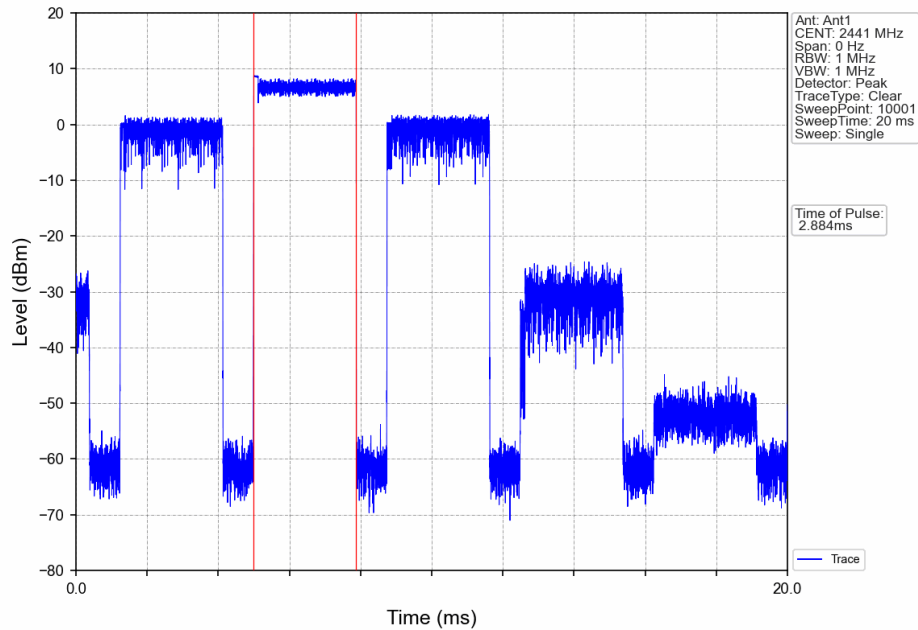


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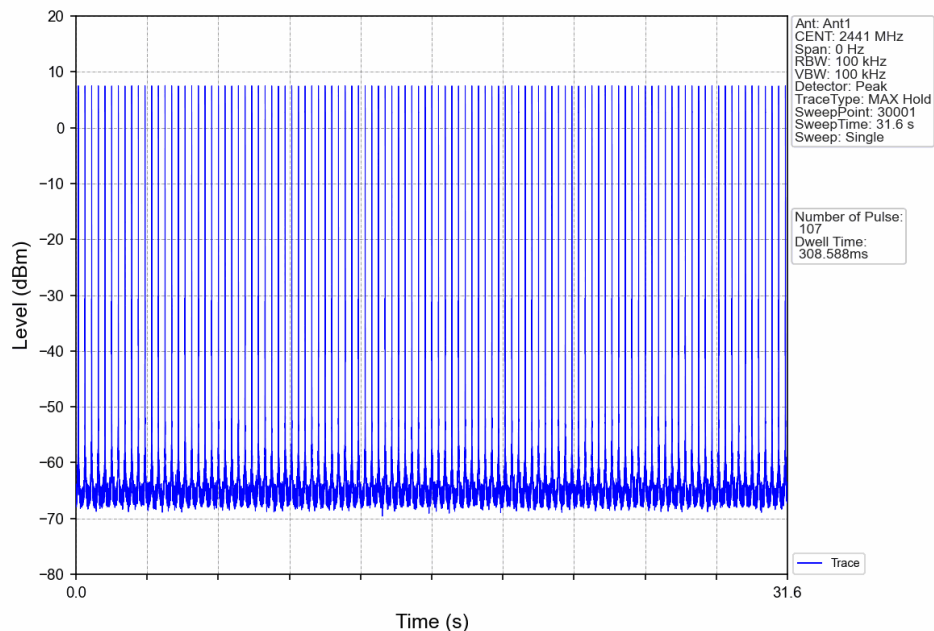




### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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





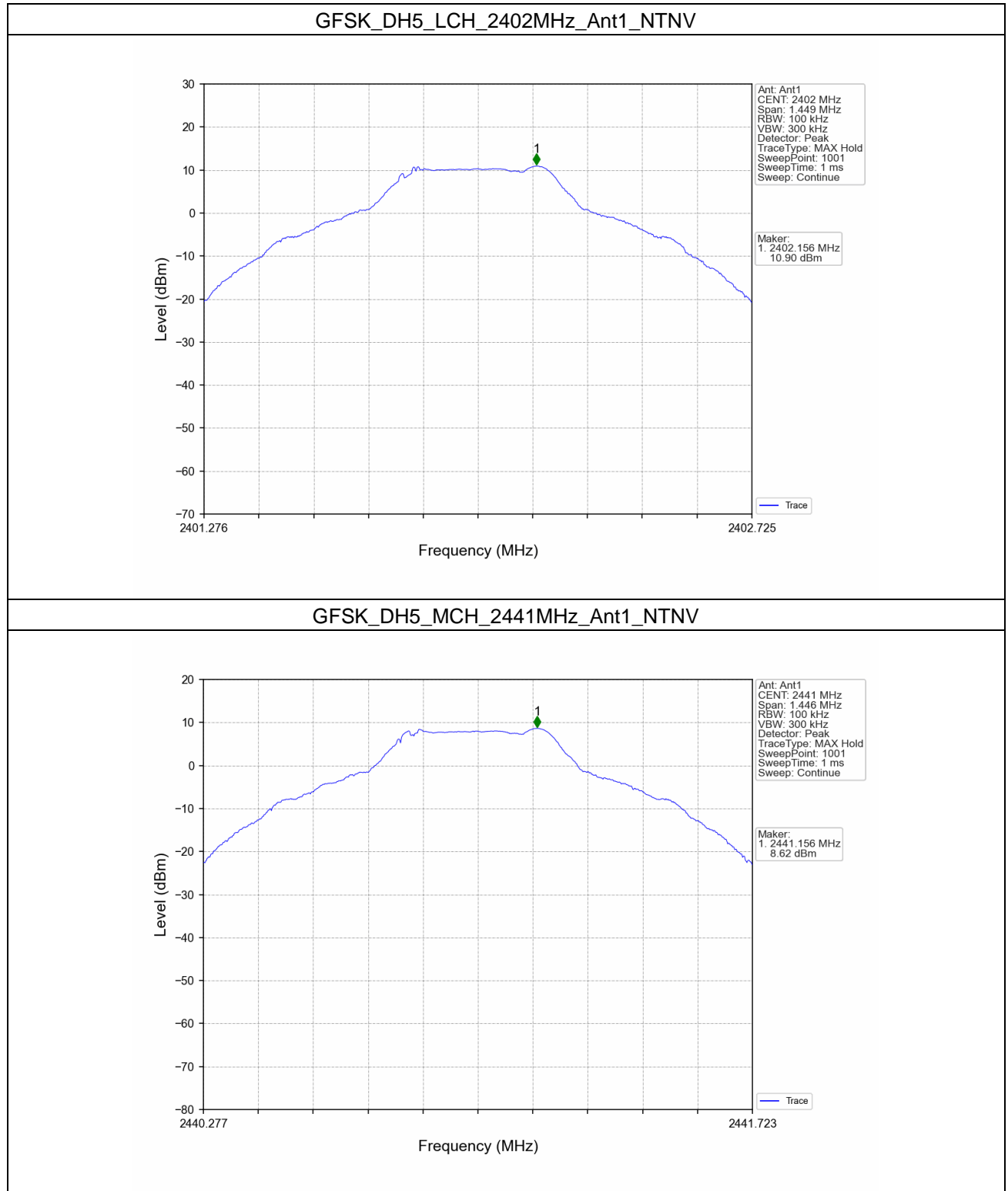
## 6. Unwanted Emissions In Non-restricted Frequency Bands

### 6.1 Ref

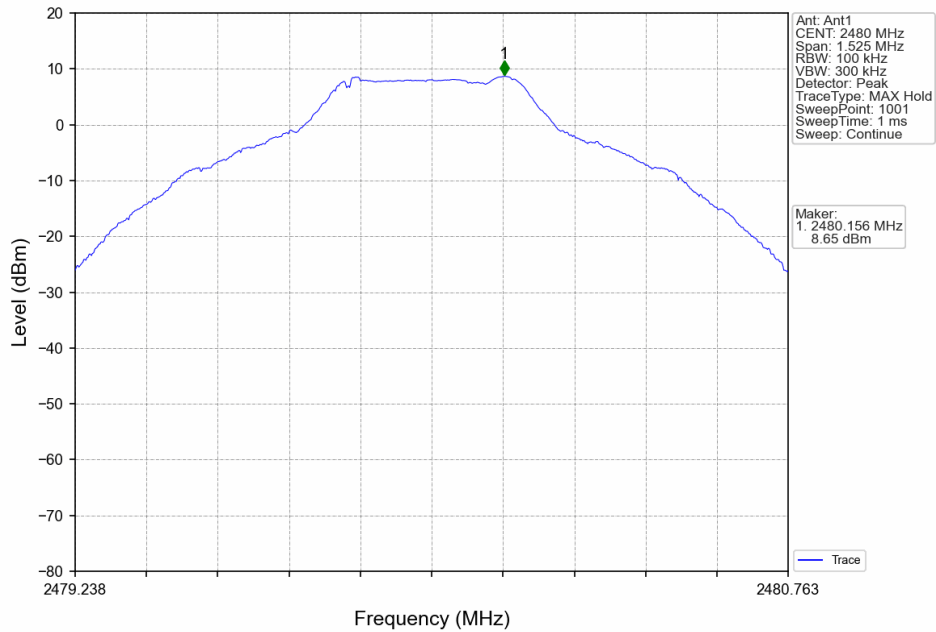
#### 6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	10.90
		2441	DH5	1	8.62
		2480	DH5	1	8.65
Pi/4DQPSK	SISO	2402	2DH5	1	8.59
		2441	2DH5	1	8.63
		2480	2DH5	1	8.63
8DPSK	SISO	2402	3DH5	1	8.60
		2441	3DH5	1	8.63
		2480	3DH5	1	8.70

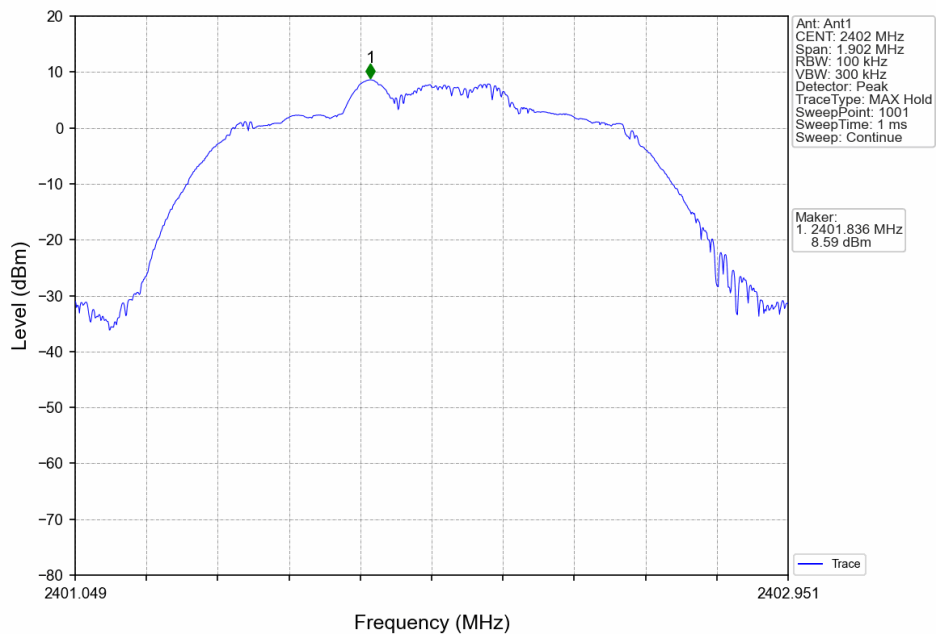
## 6.1.2 Test Graph



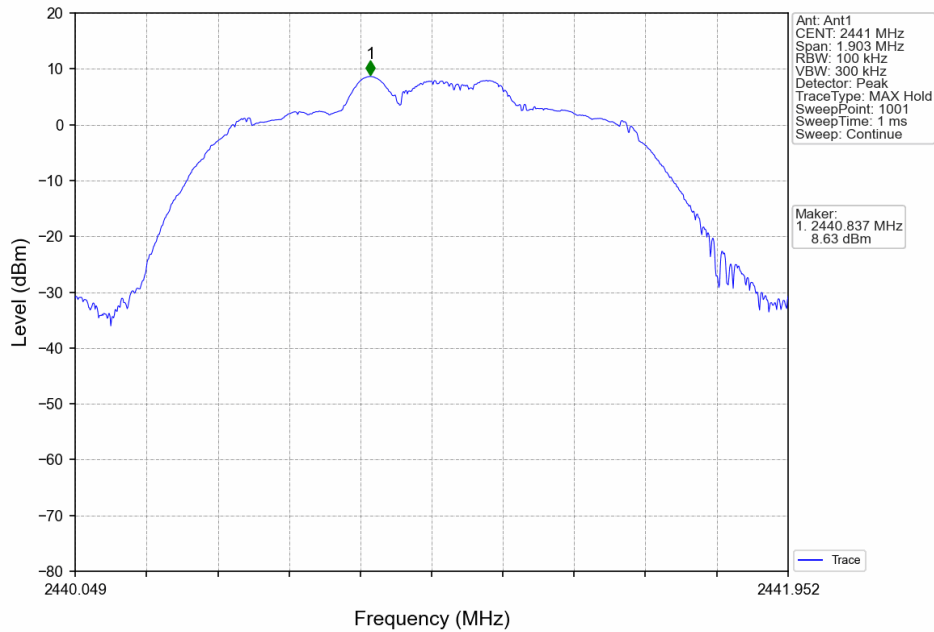
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



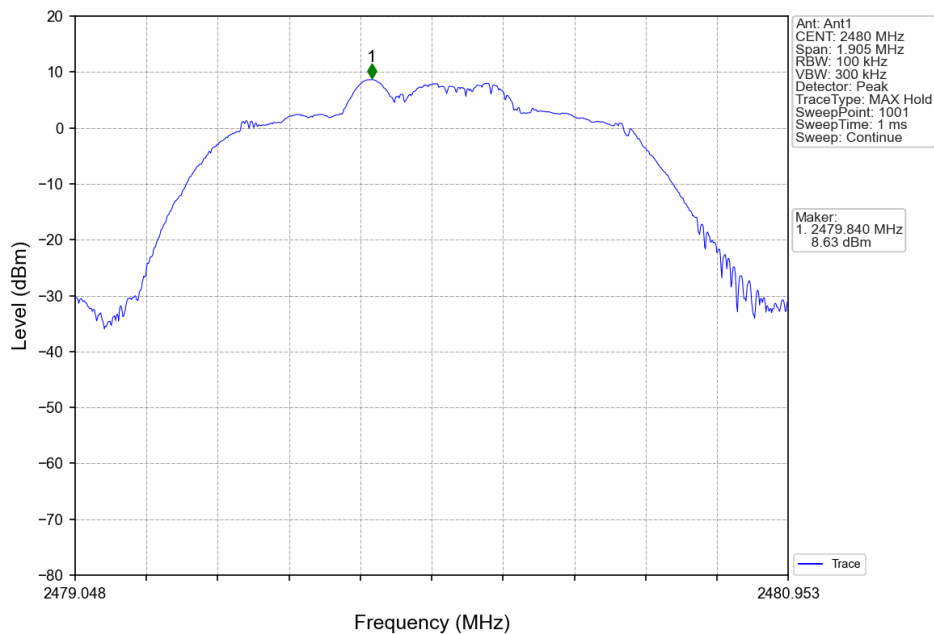
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



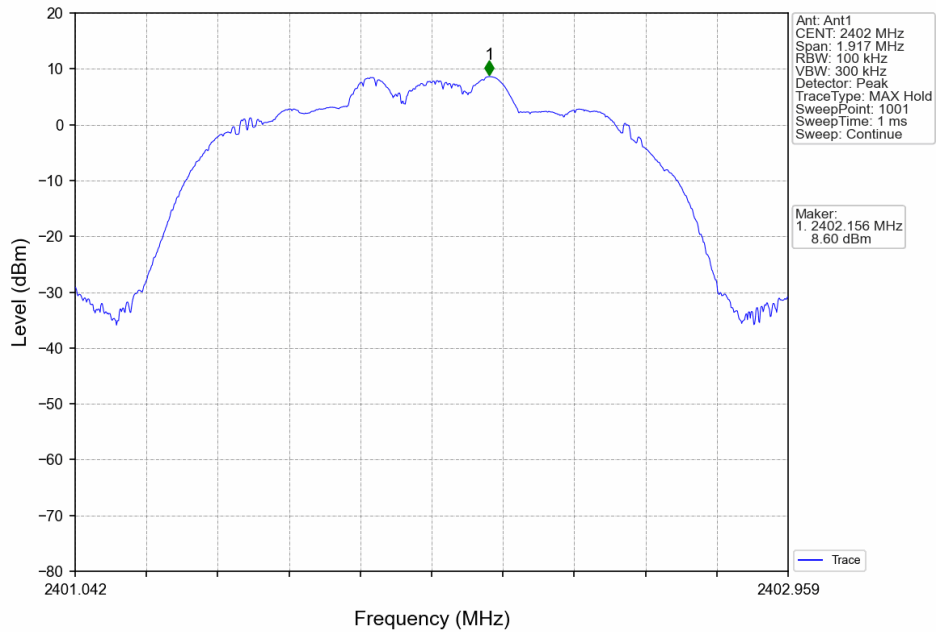
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



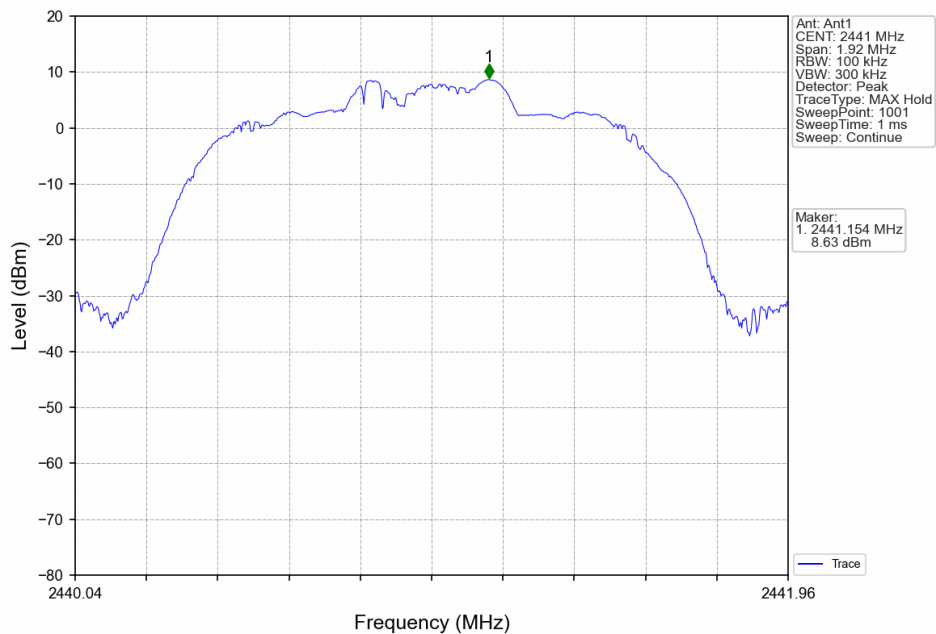
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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

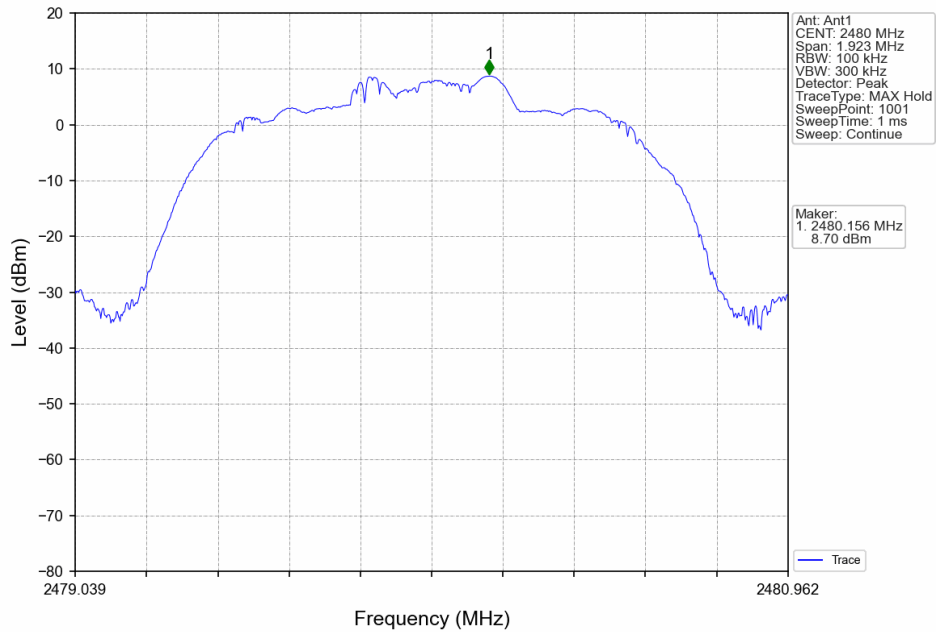


### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV





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



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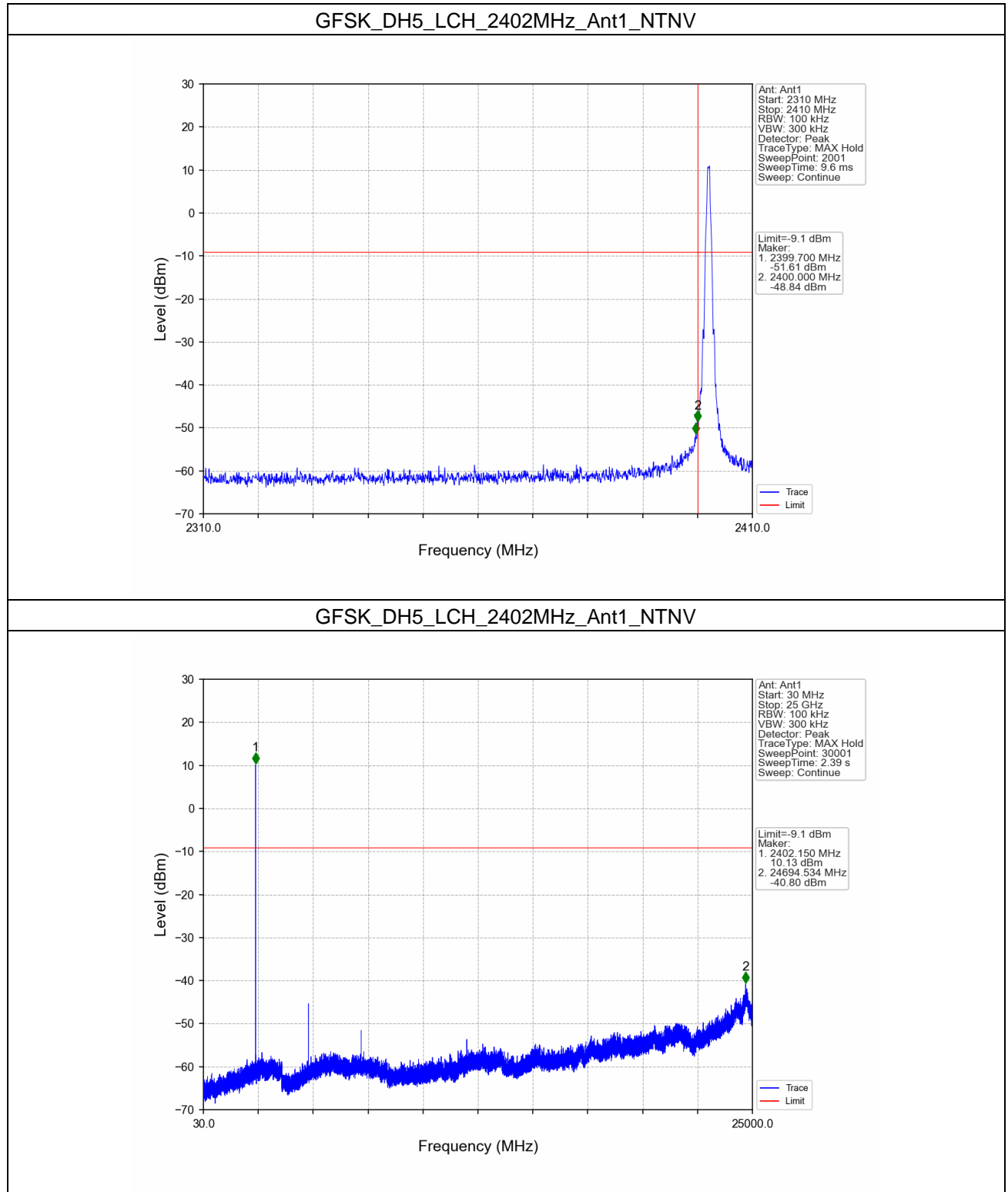
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## 6.2 CSE

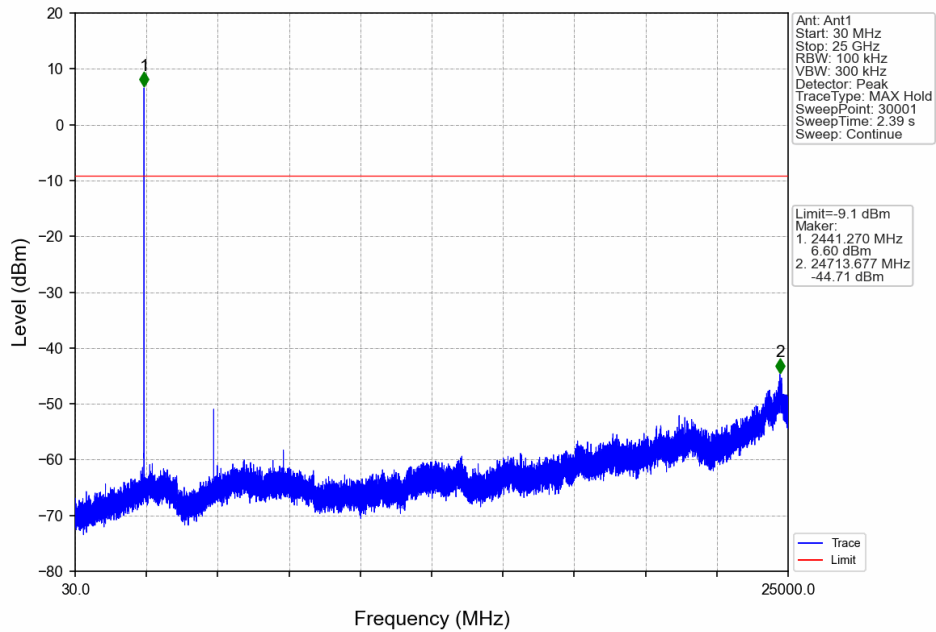
## 6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	10.90	-9.10	Pass
		2441	DH5	1	10.90	-9.10	Pass
		2480	DH5	1	10.90	-9.10	Pass
		HOPP	DH5	1	10.90	-9.10	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	8.63	-11.37	Pass
		2441	2DH5	1	8.63	-11.37	Pass
		2480	2DH5	1	8.63	-11.37	Pass
		HOPP	2DH5	1	8.63	-11.37	Pass
8DPSK	SISO	2402	3DH5	1	8.70	-11.30	Pass
		2441	3DH5	1	8.70	-11.30	Pass
		2480	3DH5	1	8.70	-11.30	Pass
		HOPP	3DH5	1	8.70	-11.30	Pass

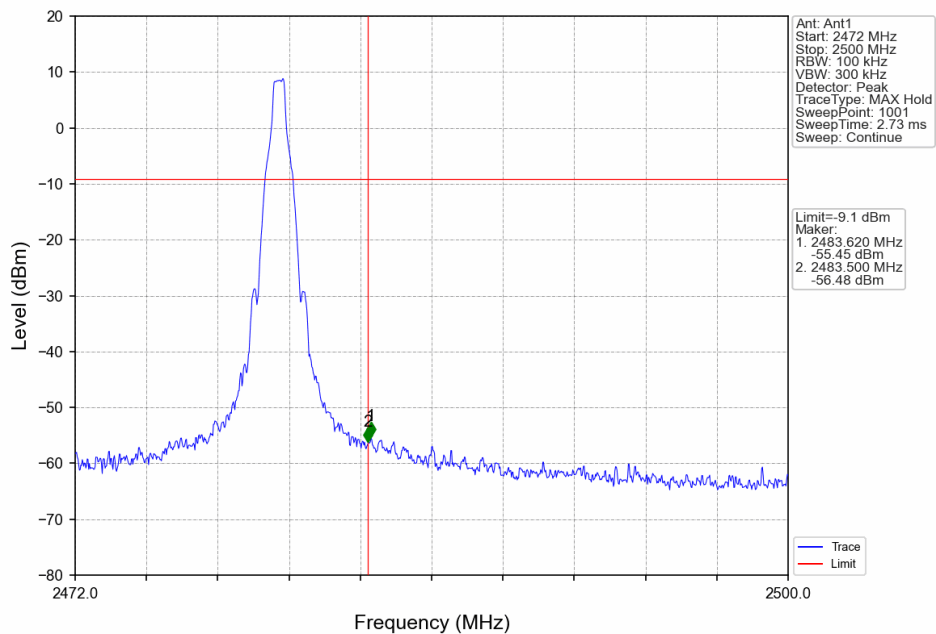
### 6.2.2 Test Graph



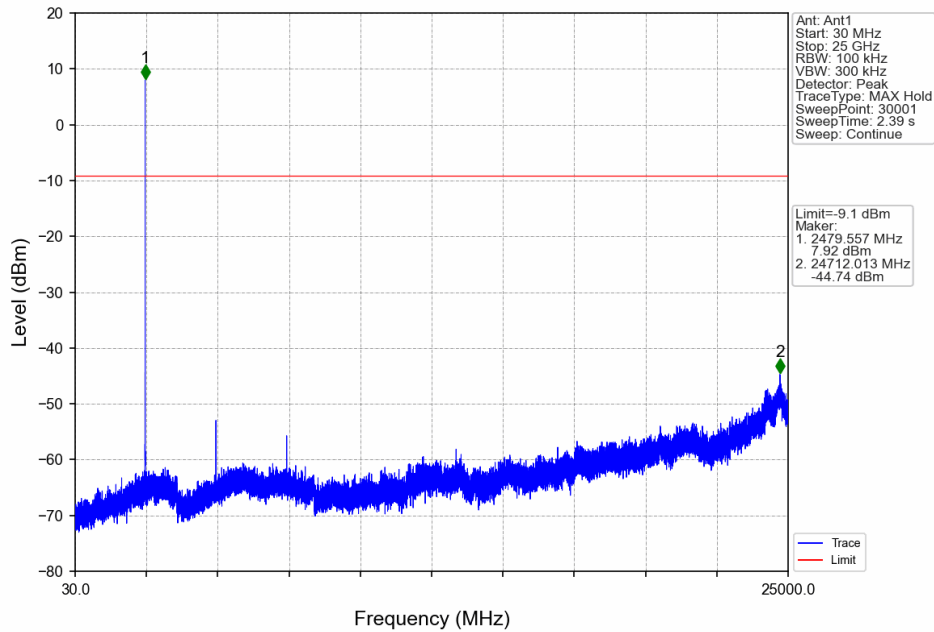
### GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



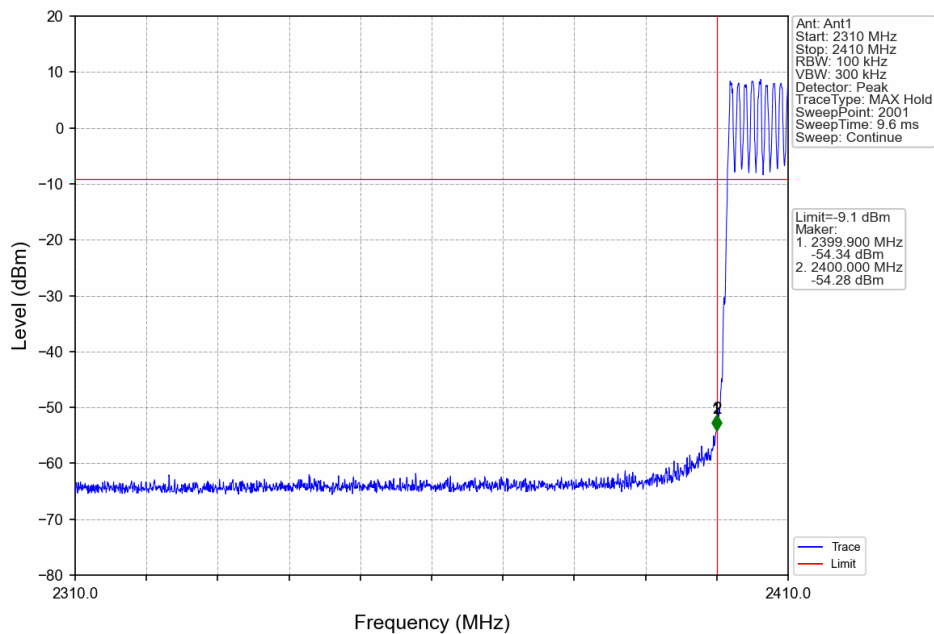
### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



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

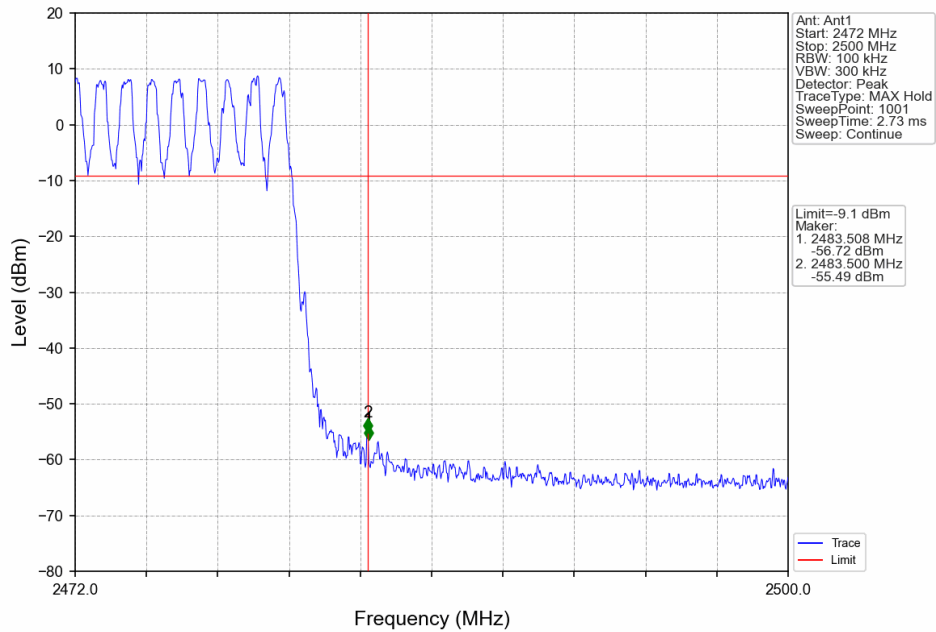


### GFSK\_DH5\_HOPP\_Ant1\_NTNV

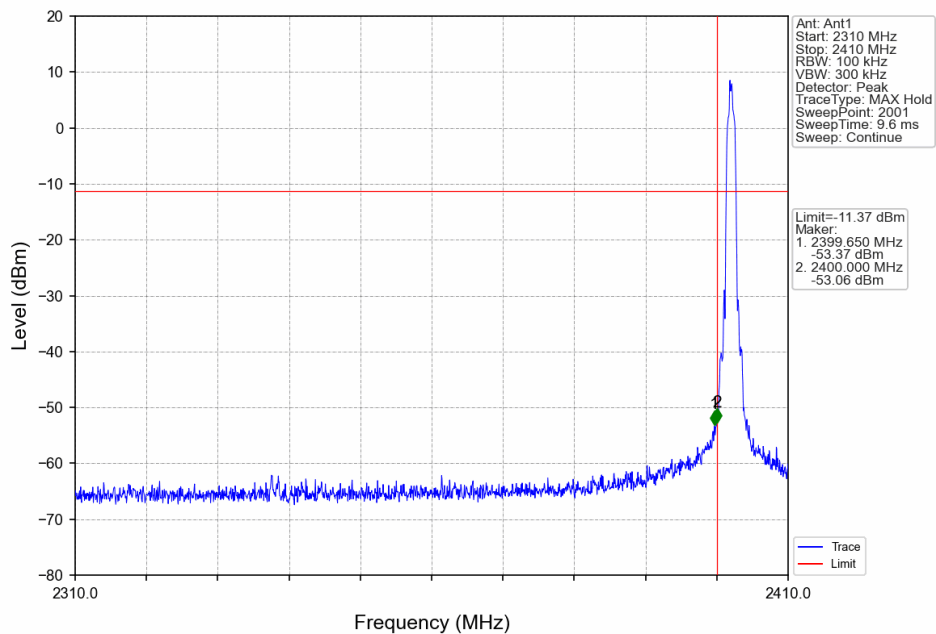




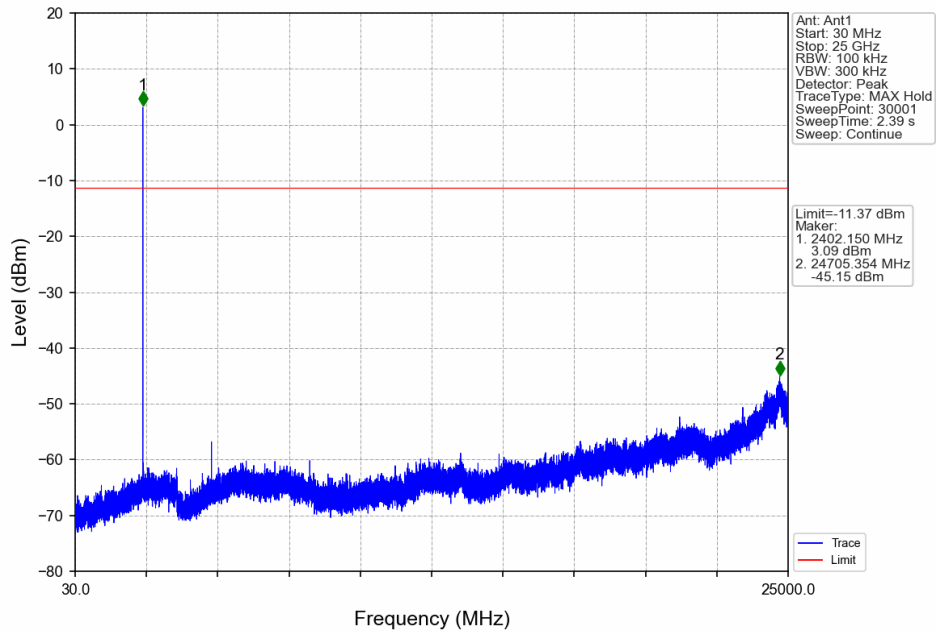
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



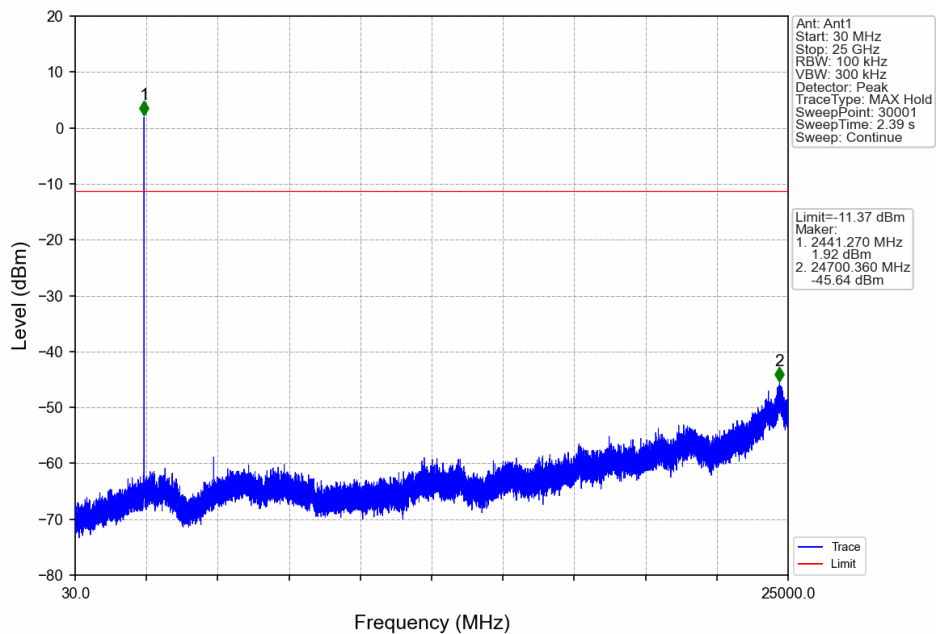
### Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



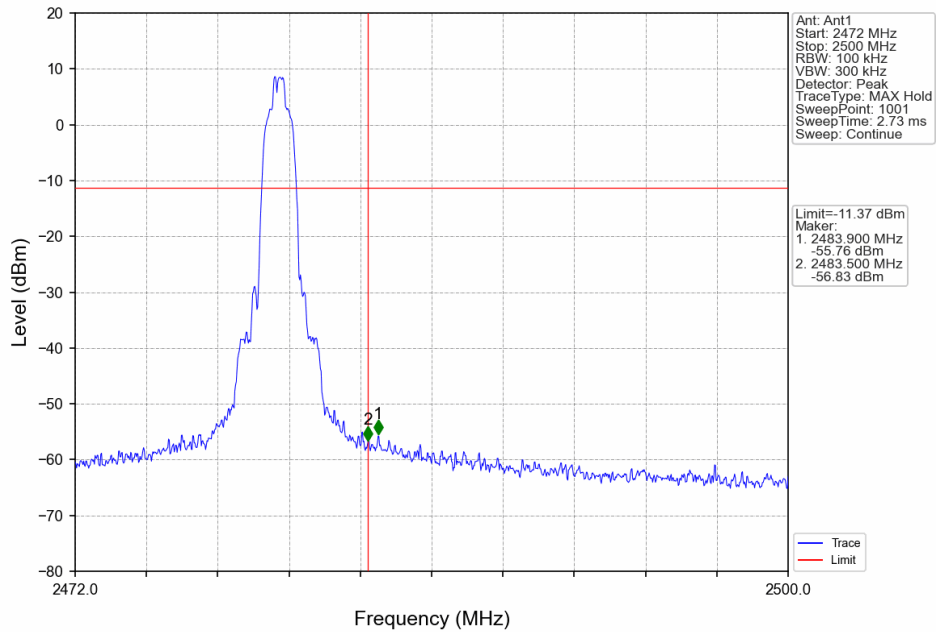
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



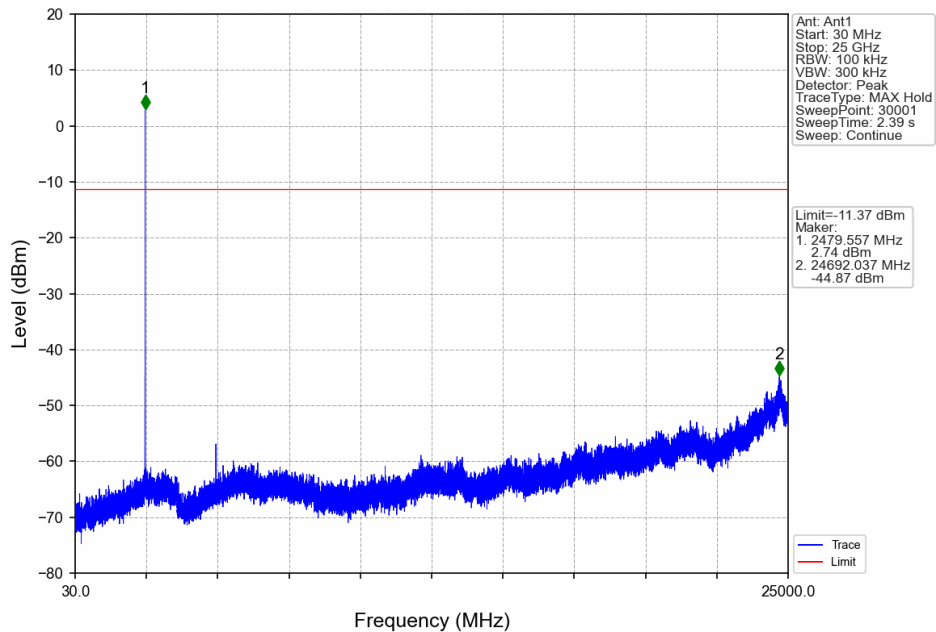
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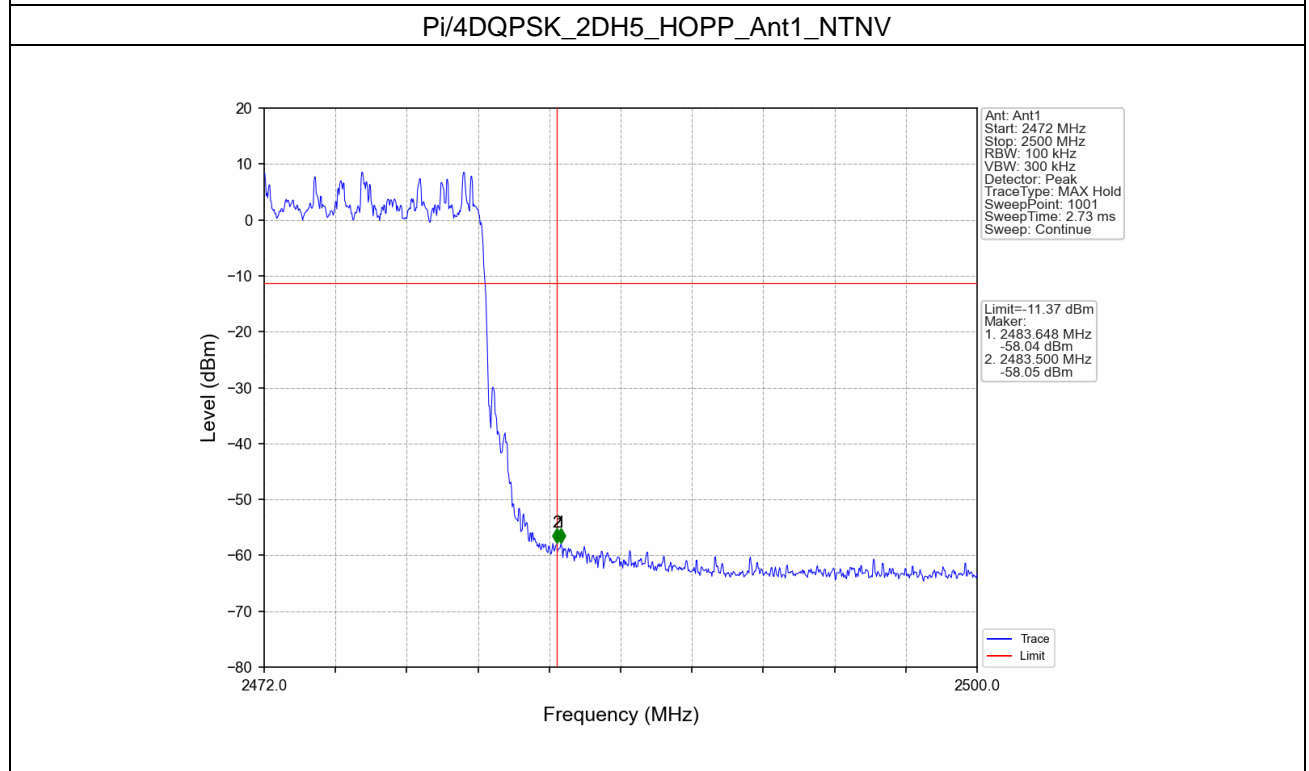
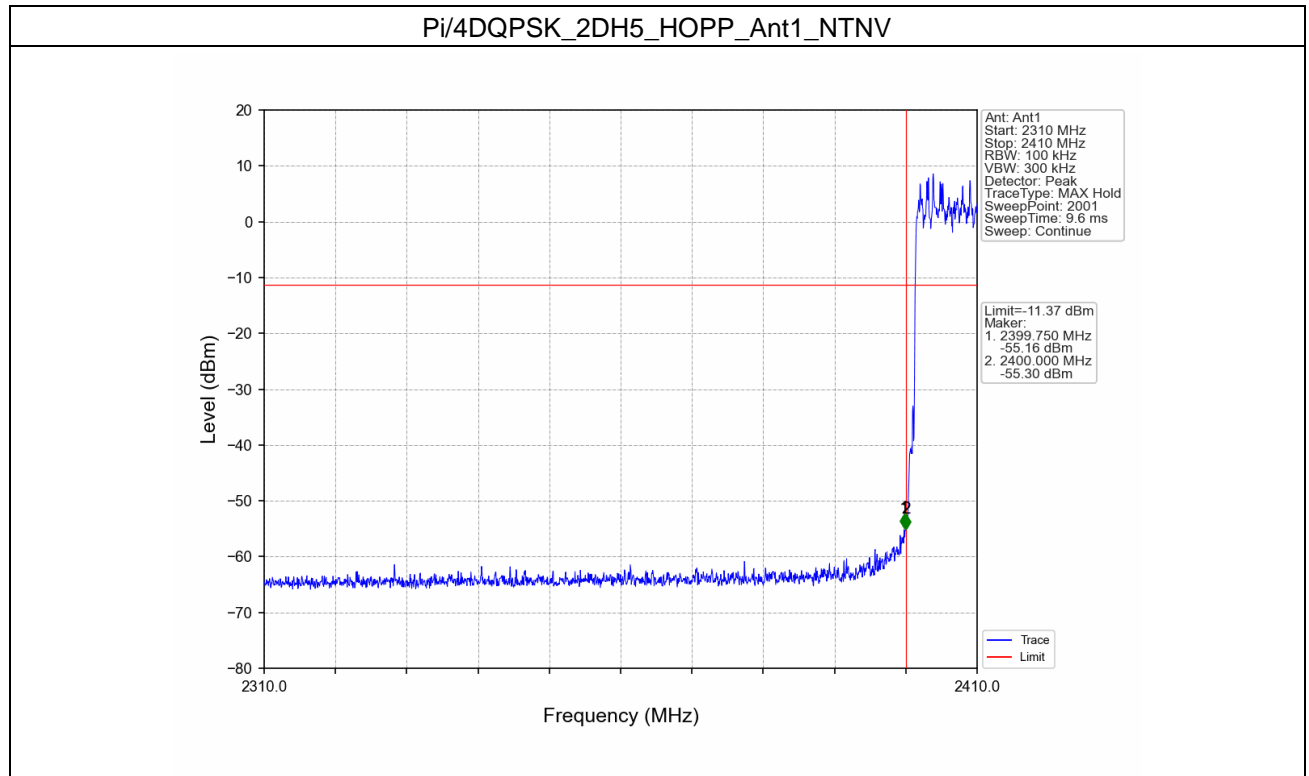


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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





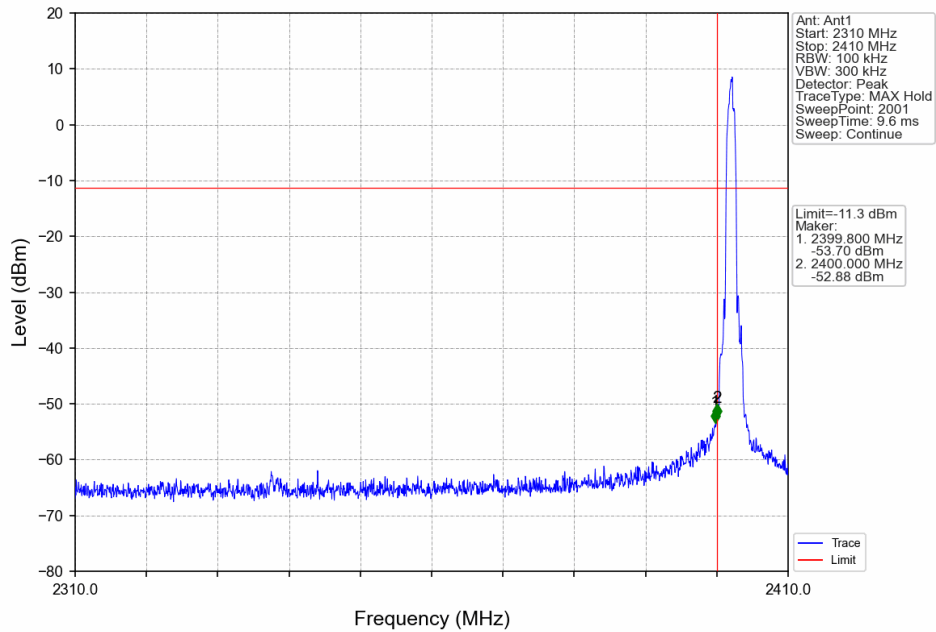
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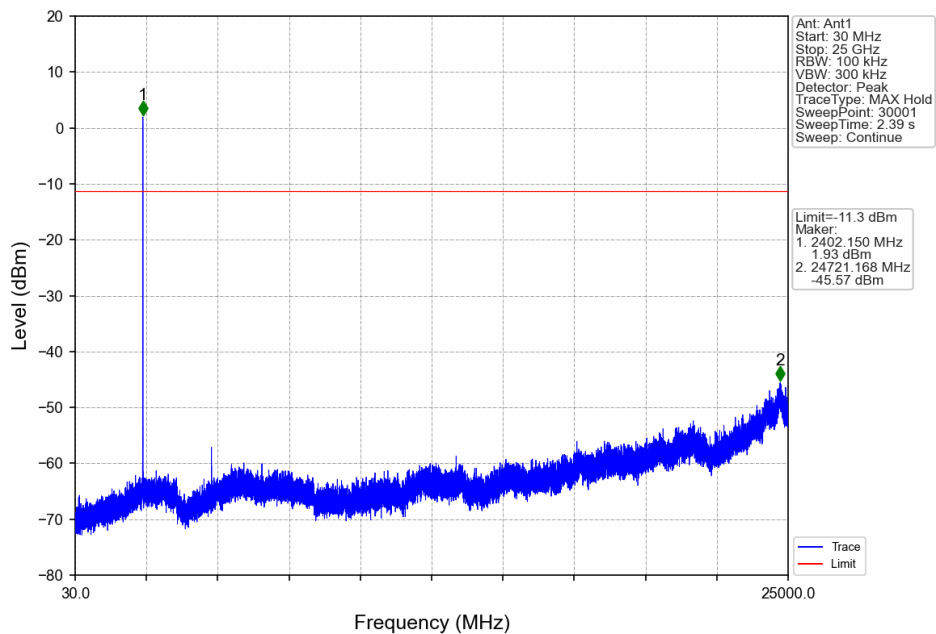
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### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV

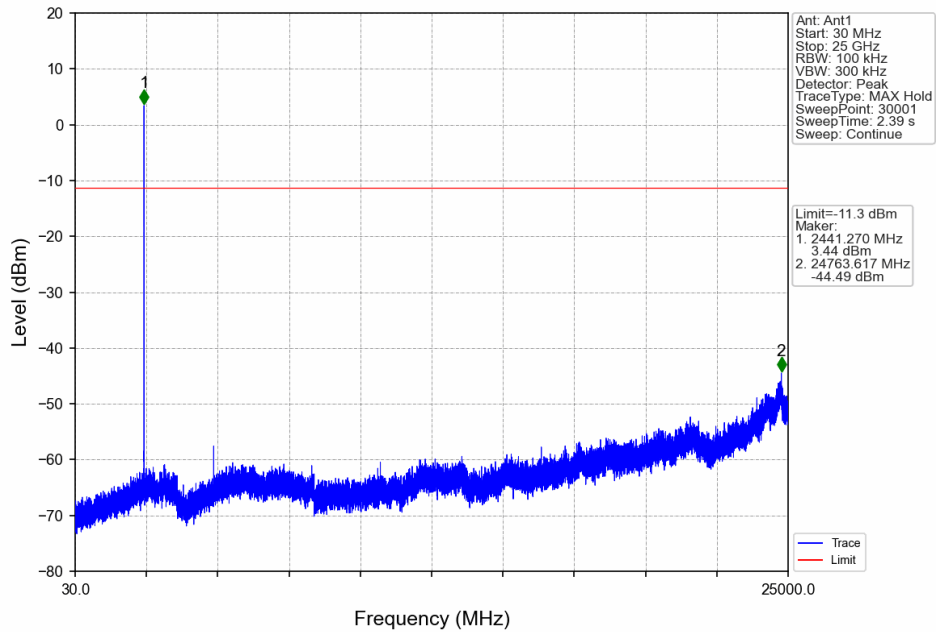


### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV

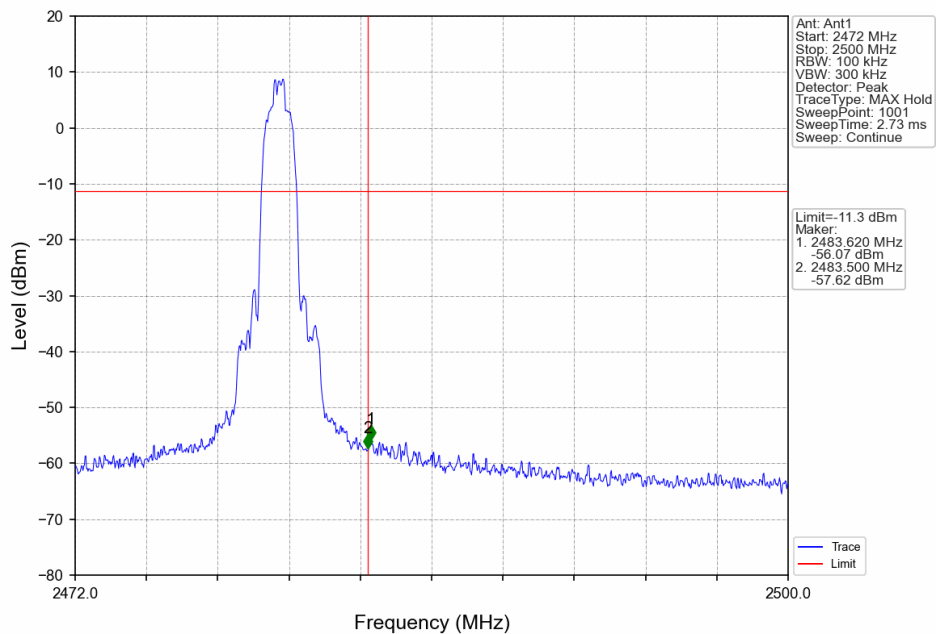




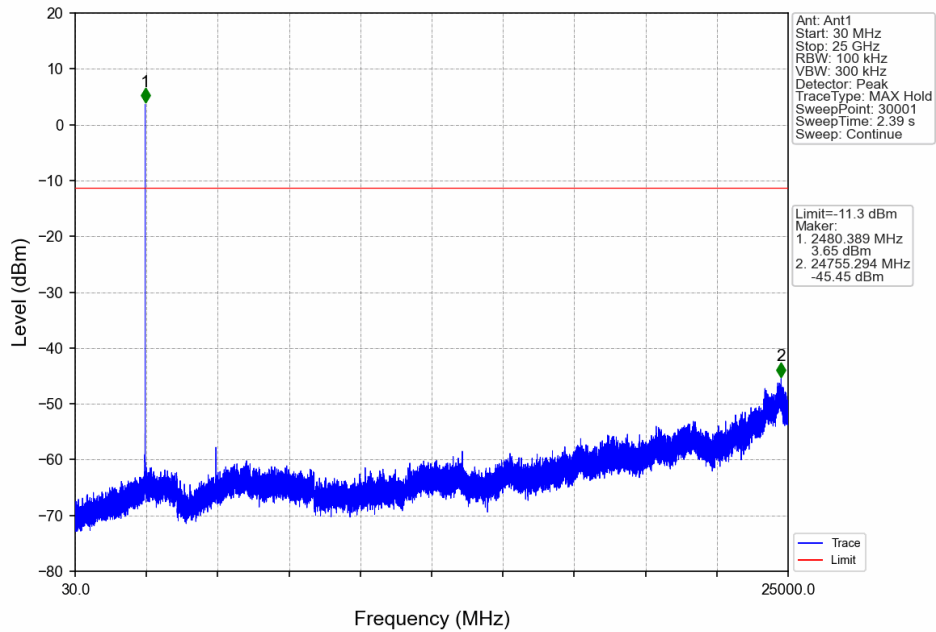
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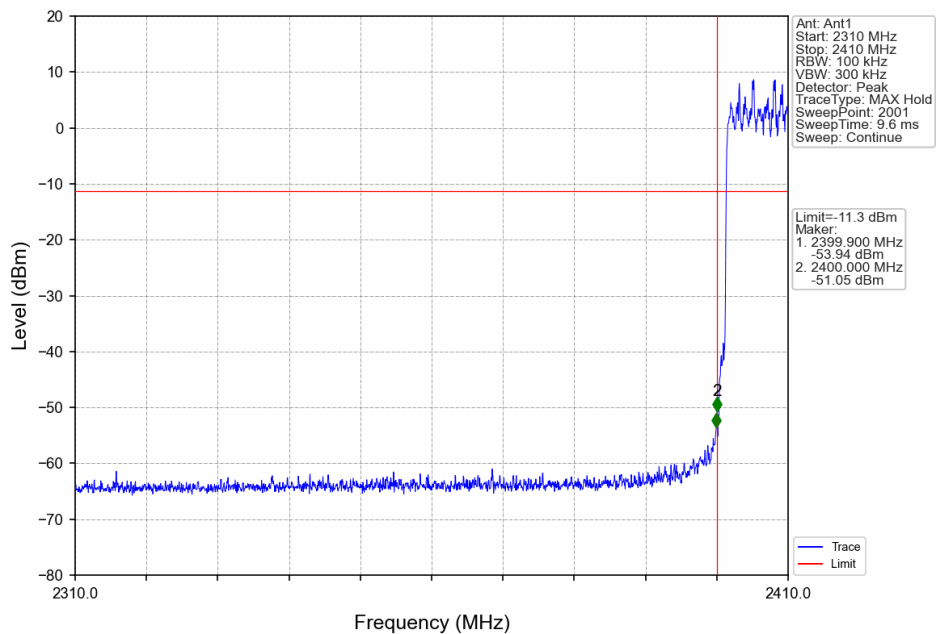
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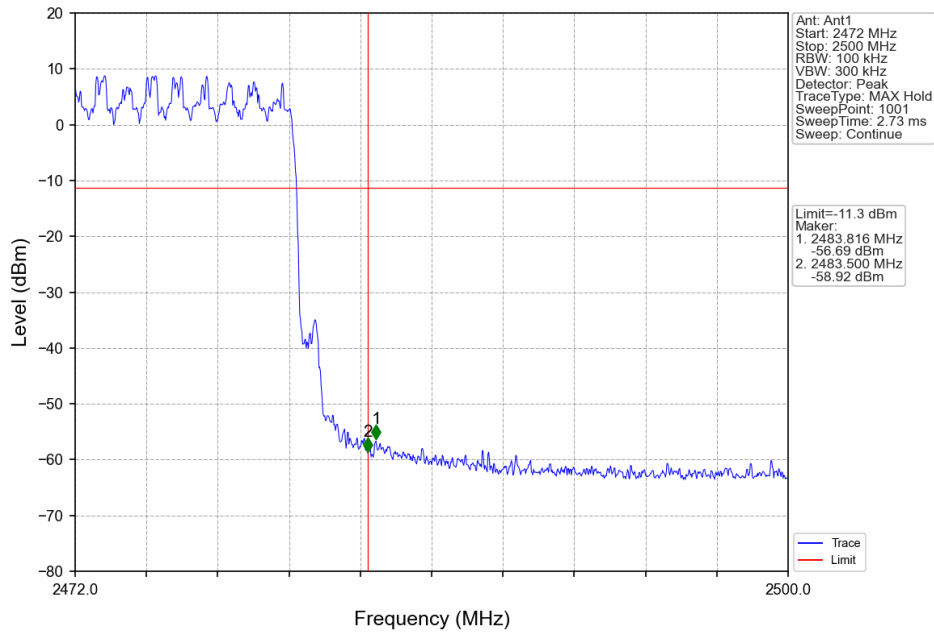
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



- End of the Report -