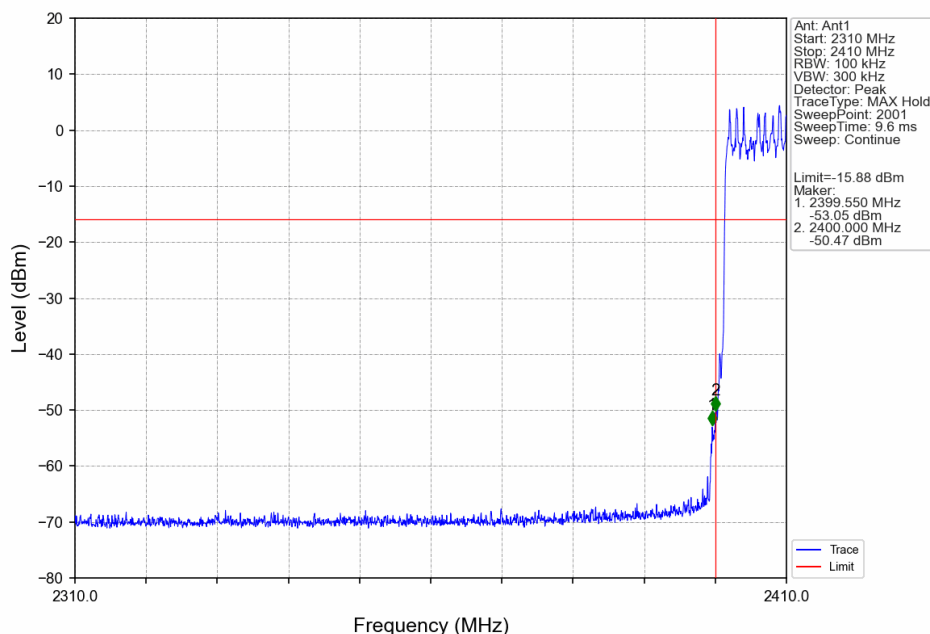
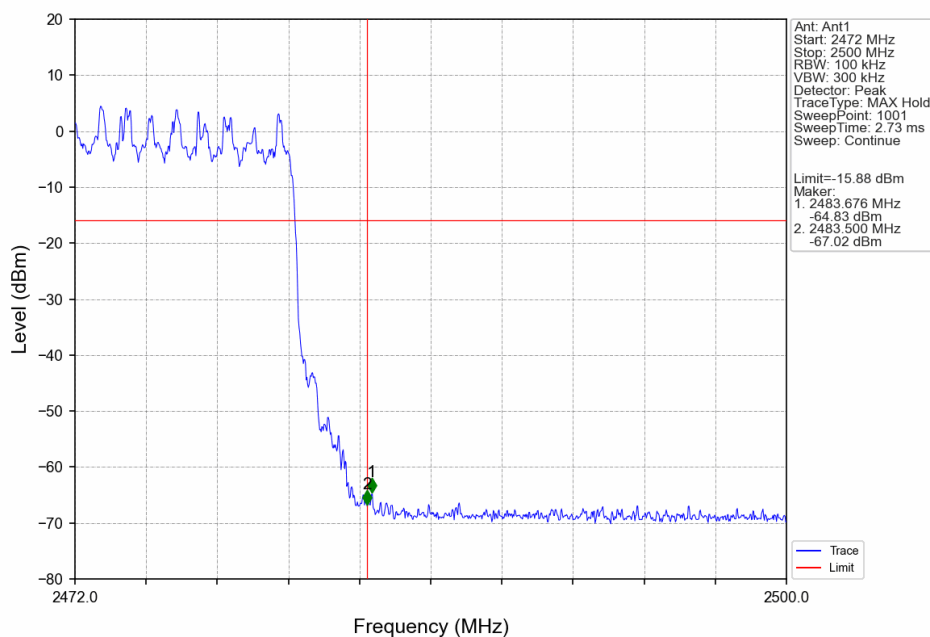


### Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



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



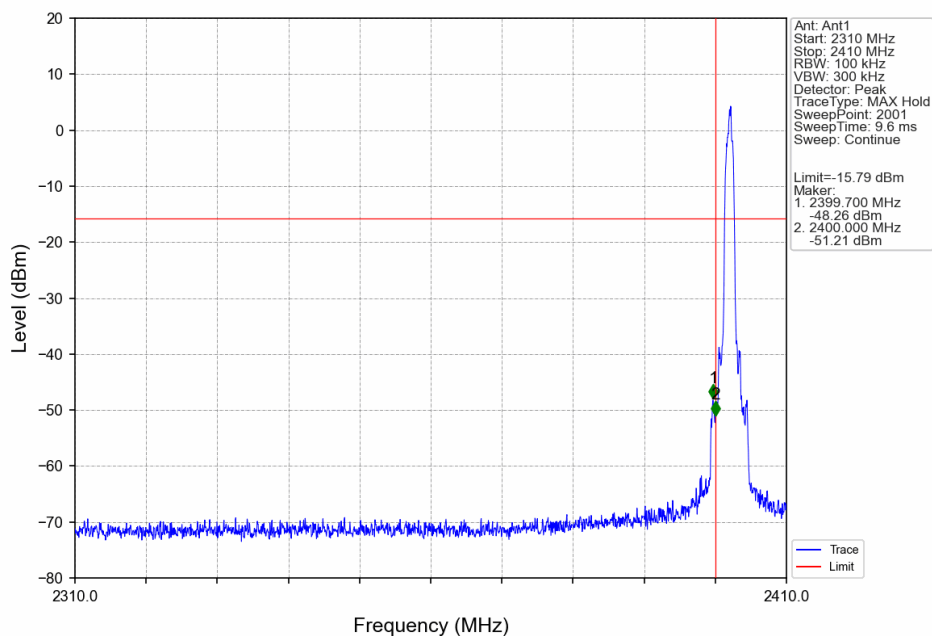
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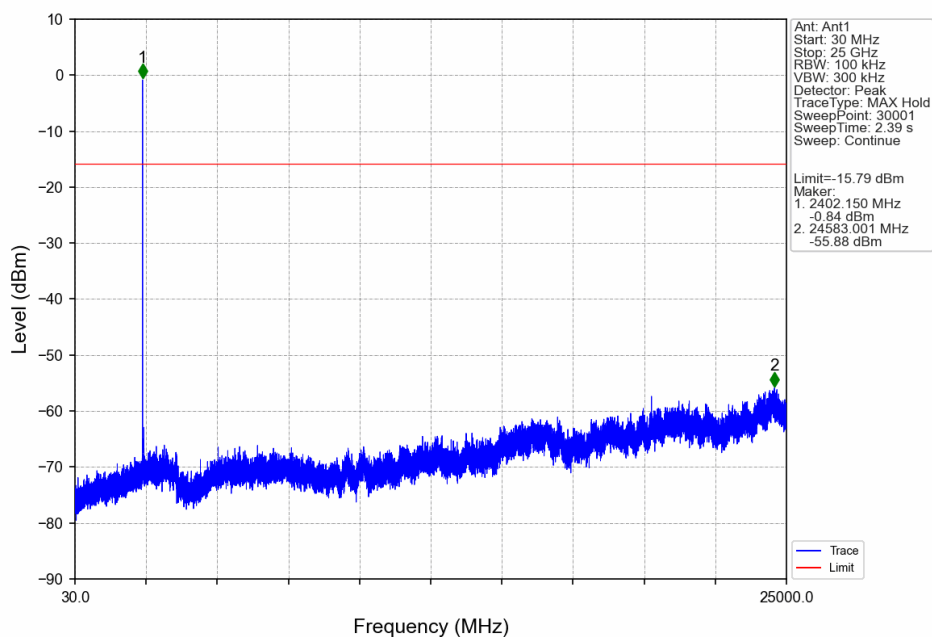
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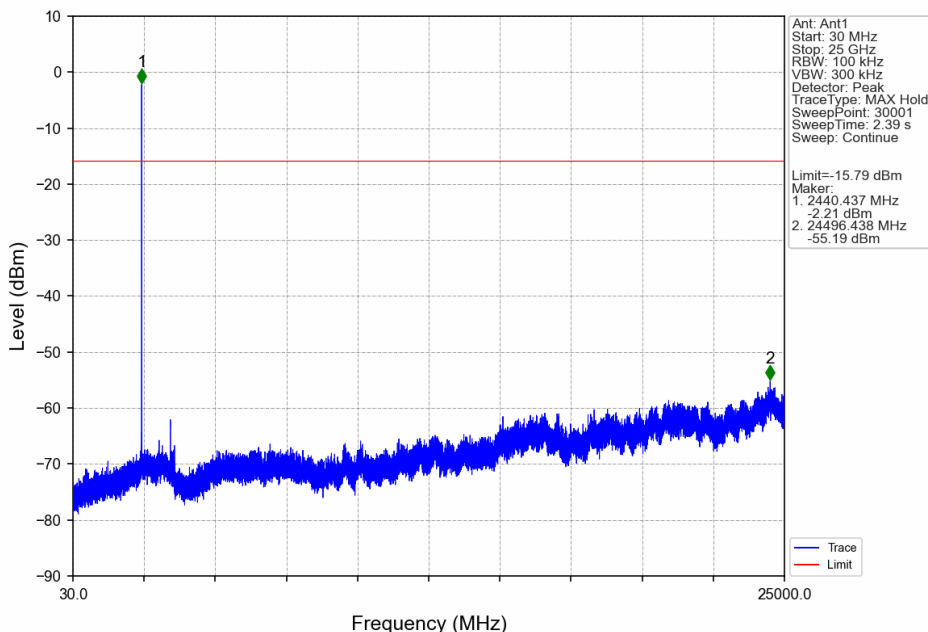
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



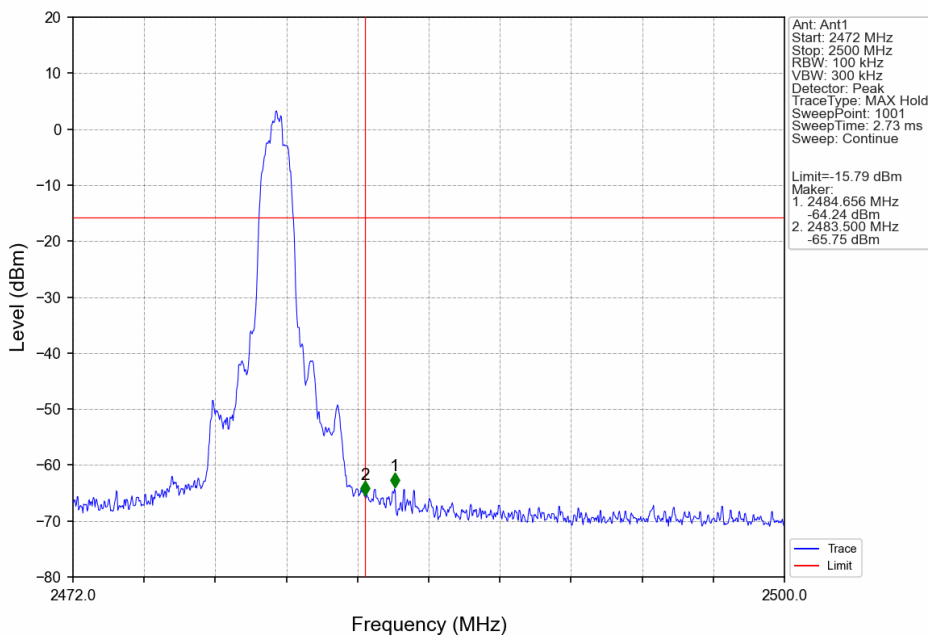
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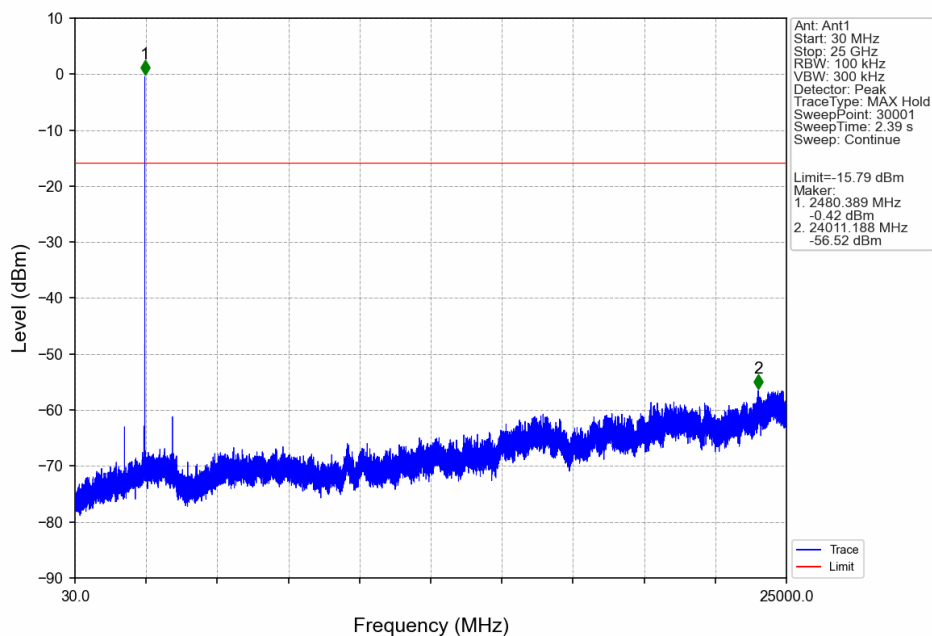
### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



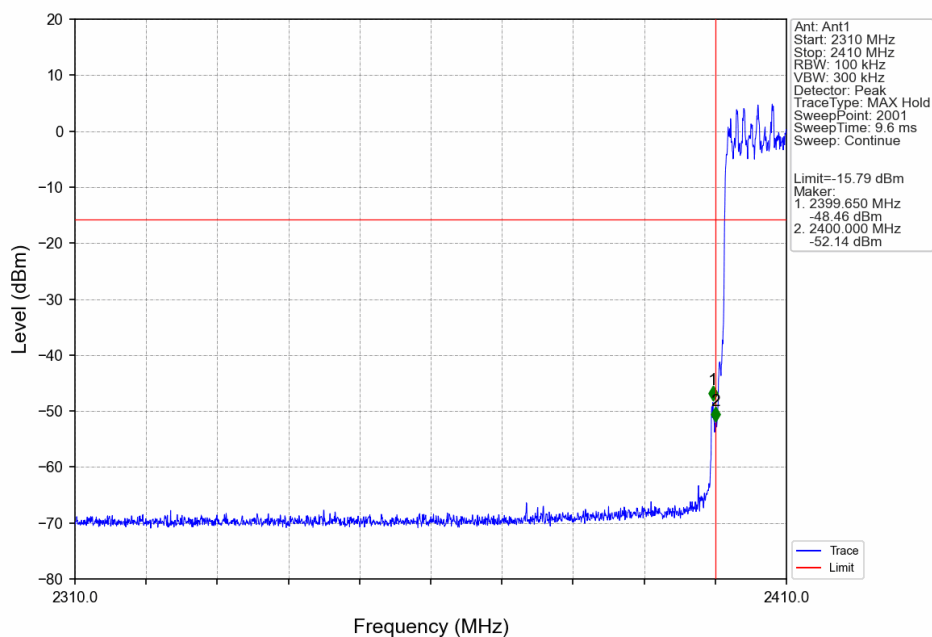
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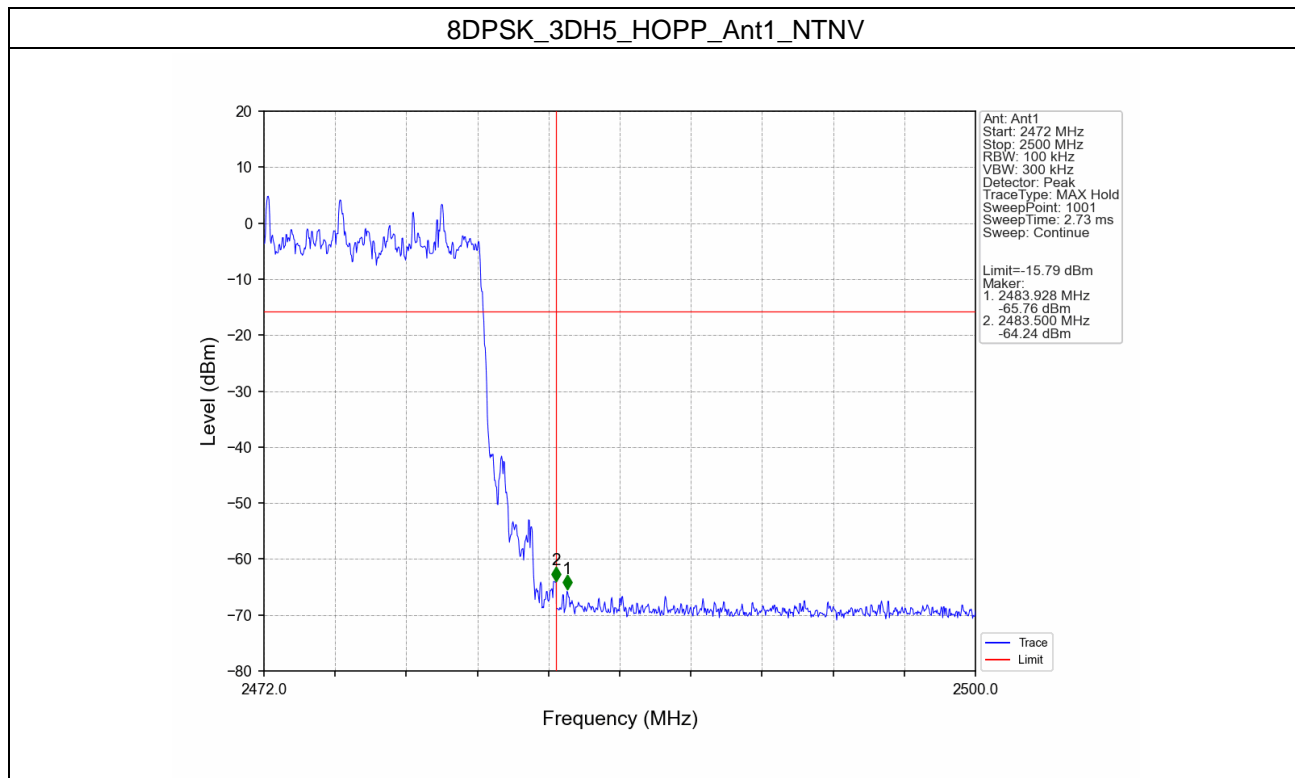
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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







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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100028302

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For Left earbud:

## 1. Bandwidth

### 1.1 Test Result

#### 1.1.1 OBW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.922	/	Pass
		2441	DH5	1	0.921	/	Pass
		2480	DH5	1	0.924	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.116	/	Pass
		2441	2DH5	1	1.112	/	Pass
		2480	2DH5	1	1.115	/	Pass
8DPSK	SISO	2402	3DH5	1	1.126	/	Pass
		2441	3DH5	1	1.127	/	Pass
		2480	3DH5	1	1.129	/	Pass

#### 1.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	1.040	/	Pass
		2441	DH5	1	1.041	/	Pass
		2480	DH5	1	1.042	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.192	/	Pass
		2441	2DH5	1	1.190	/	Pass
		2480	2DH5	1	1.192	/	Pass
8DPSK	SISO	2402	3DH5	1	1.201	/	Pass
		2441	3DH5	1	1.207	/	Pass
		2480	3DH5	1	1.208	/	Pass



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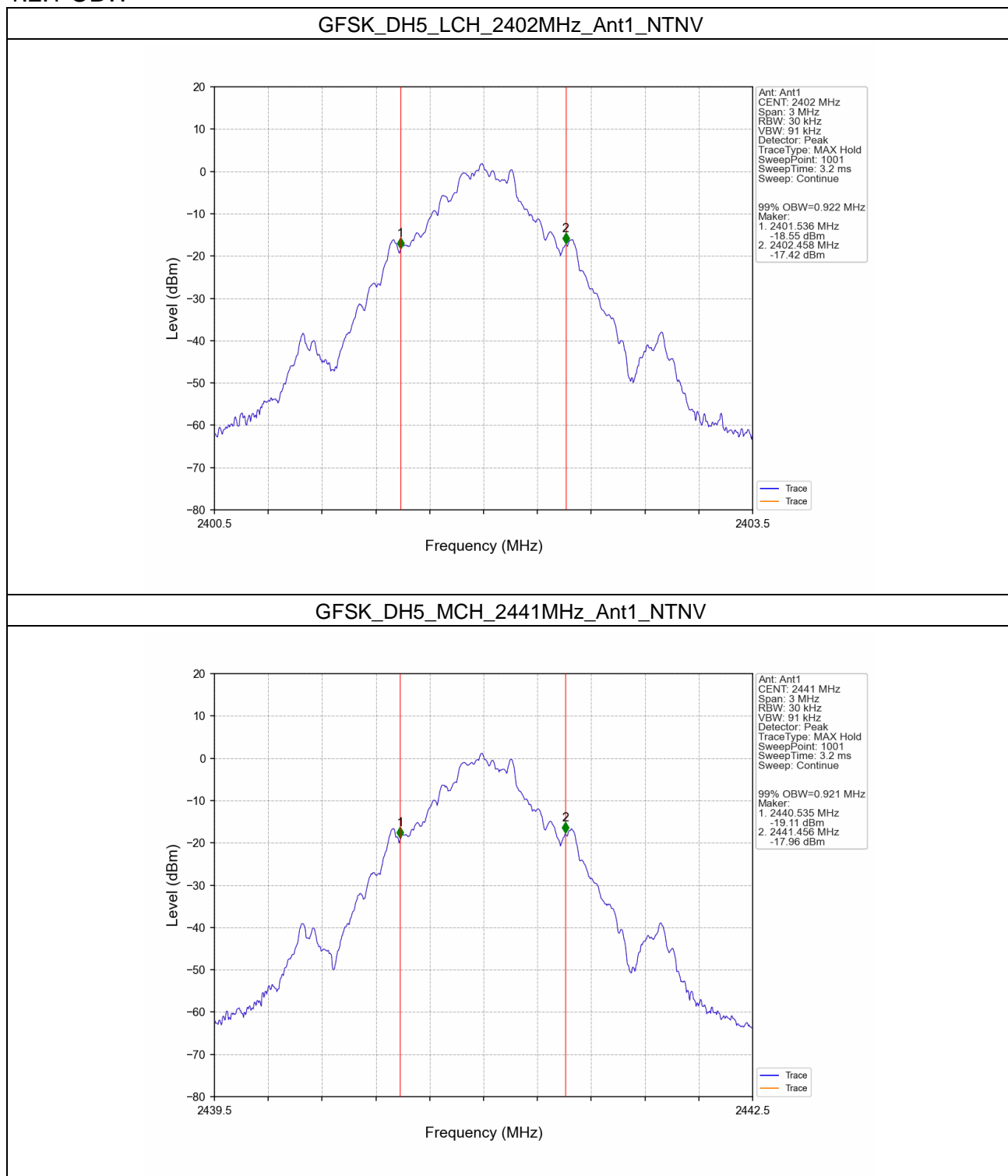
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### 1.2 Test Graph

#### 1.2.1 OBW



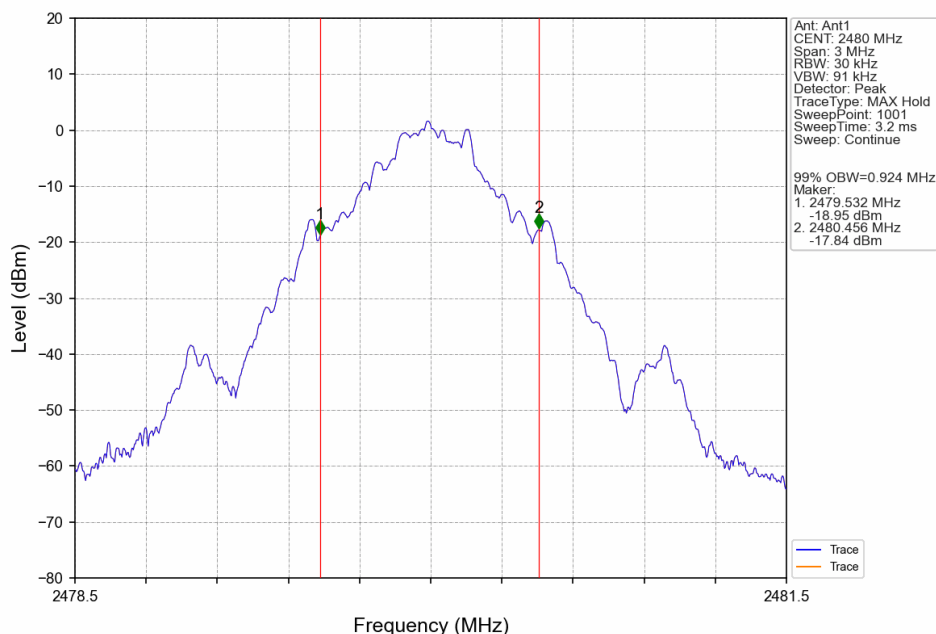
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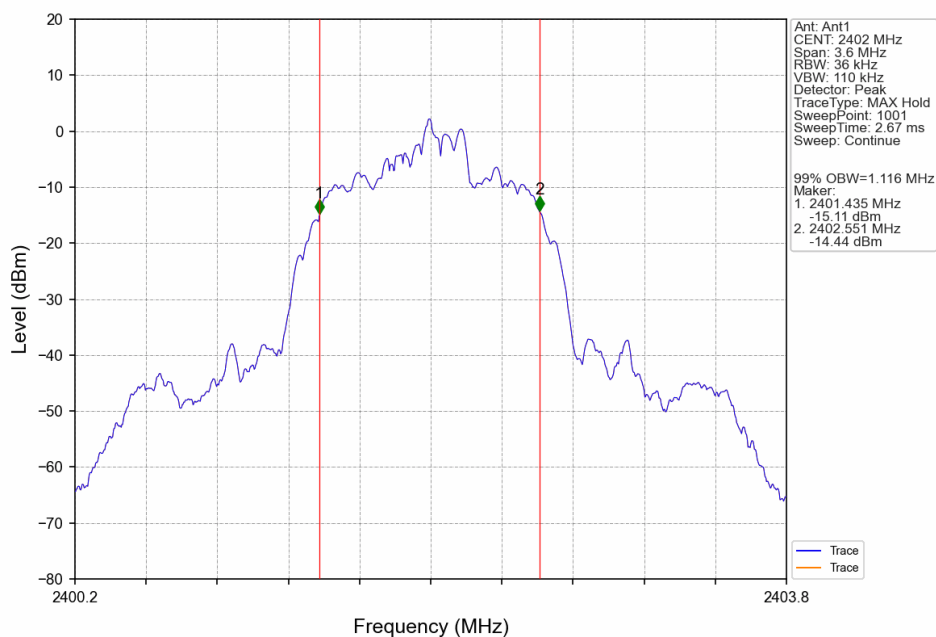
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### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV

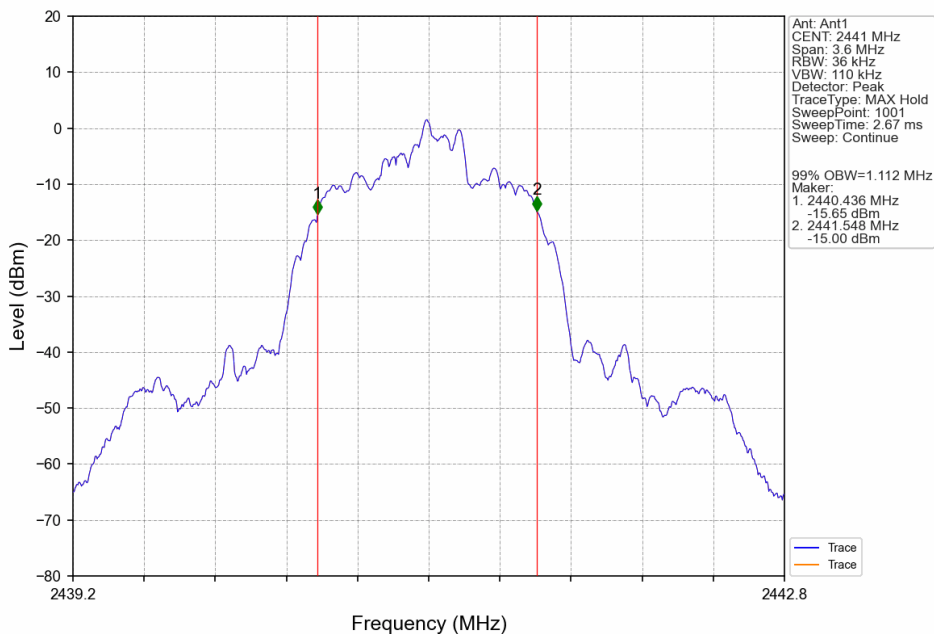


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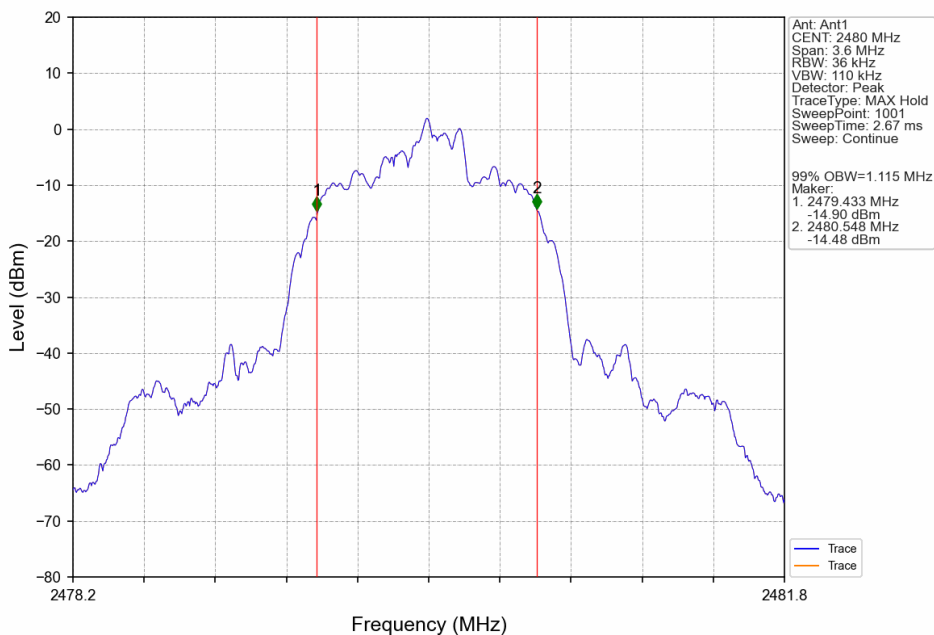




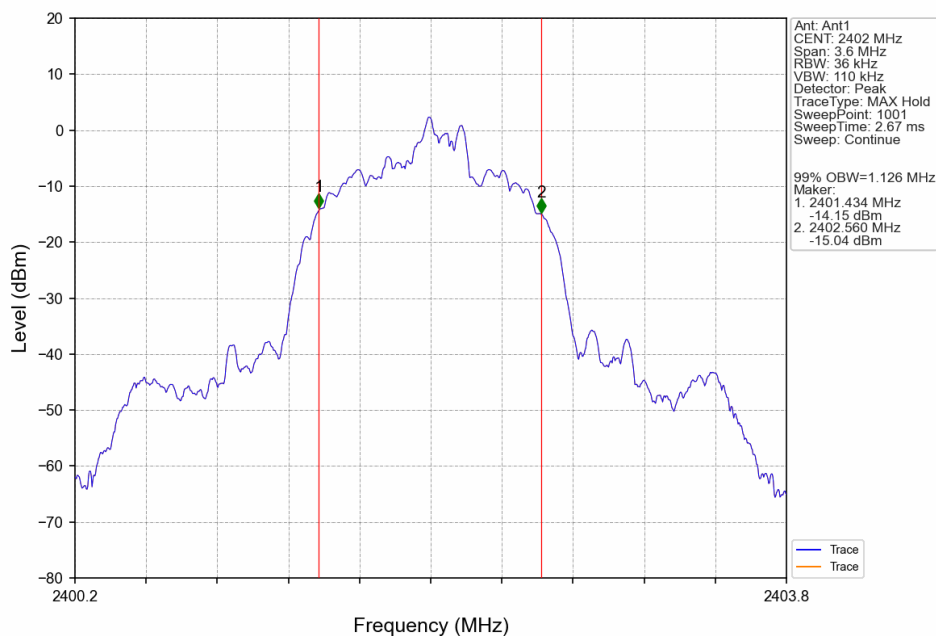
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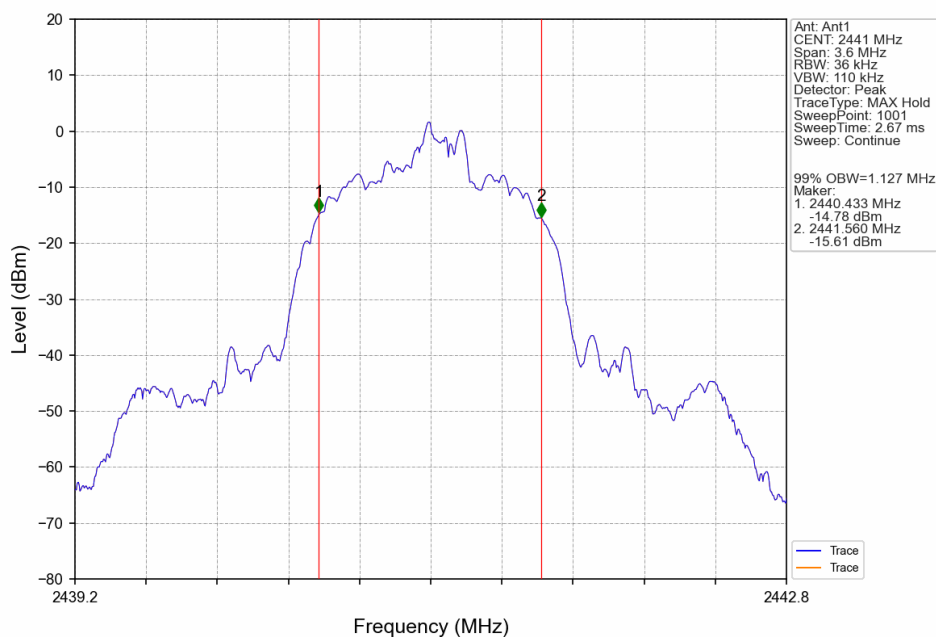
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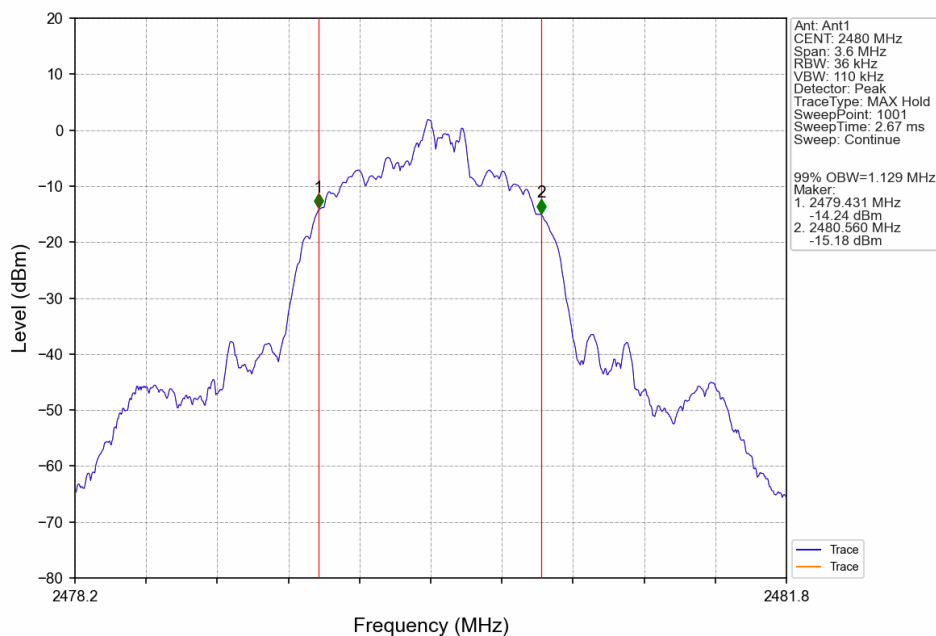
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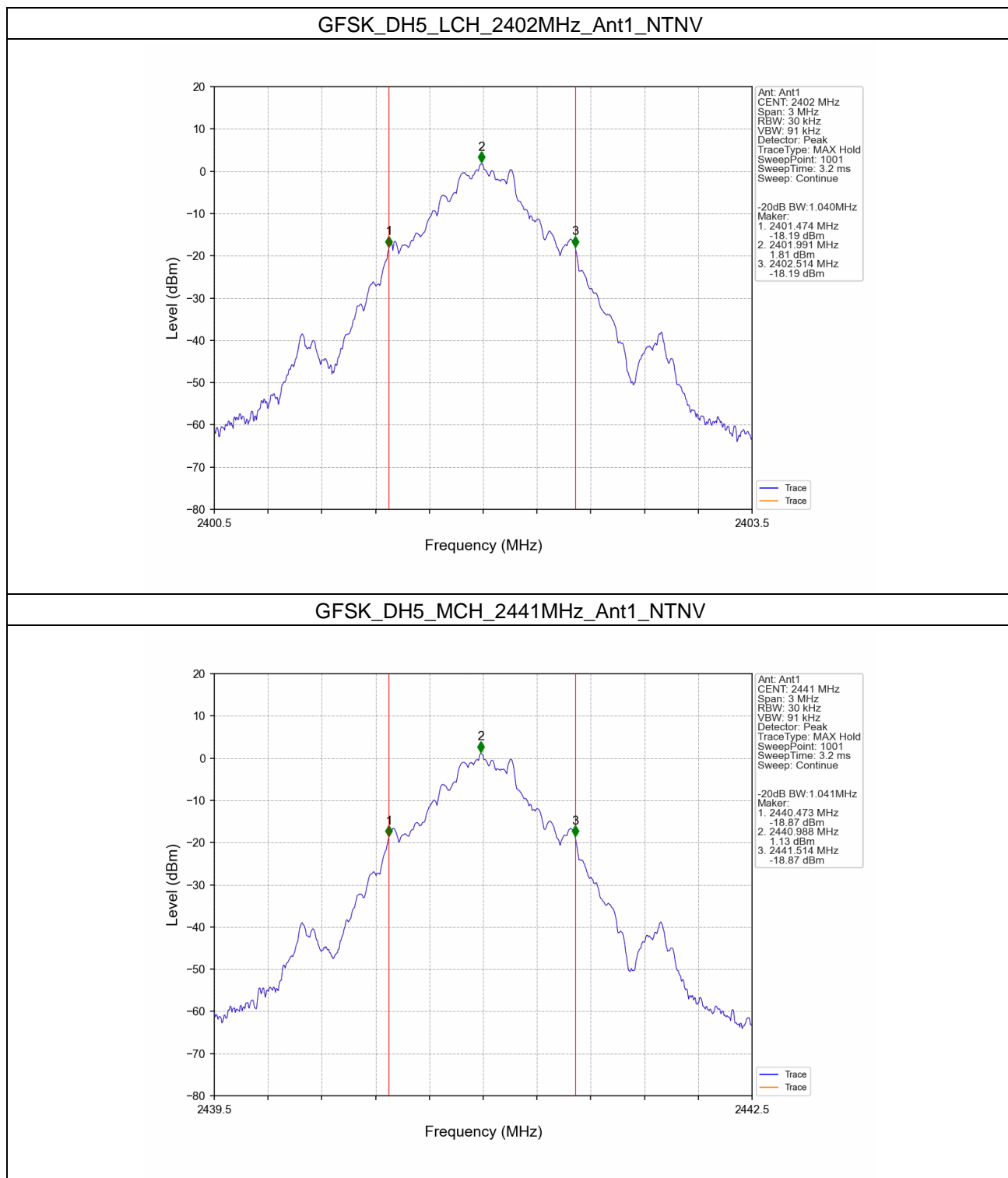
### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



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



### 1.2.2 20dB BW



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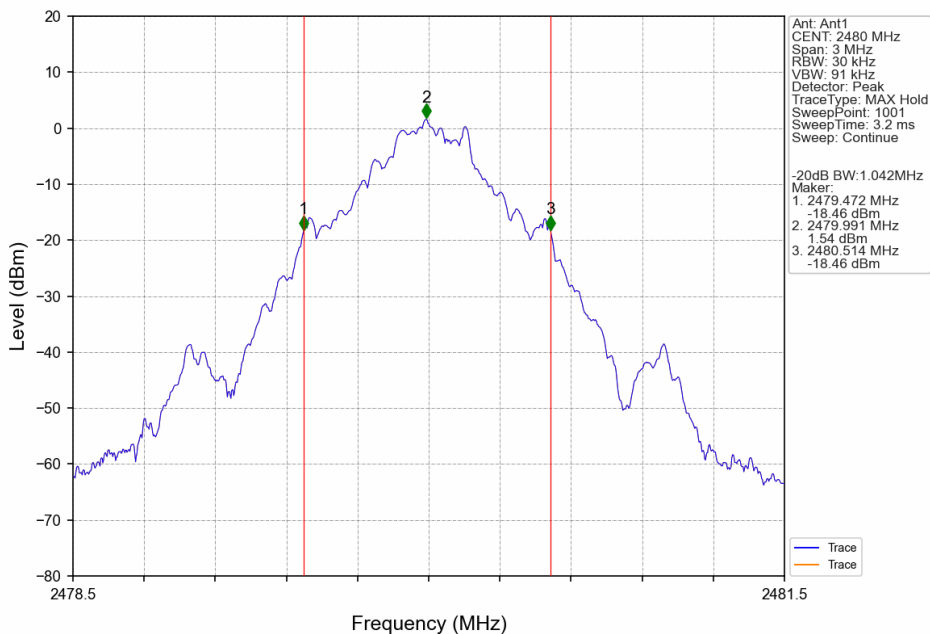
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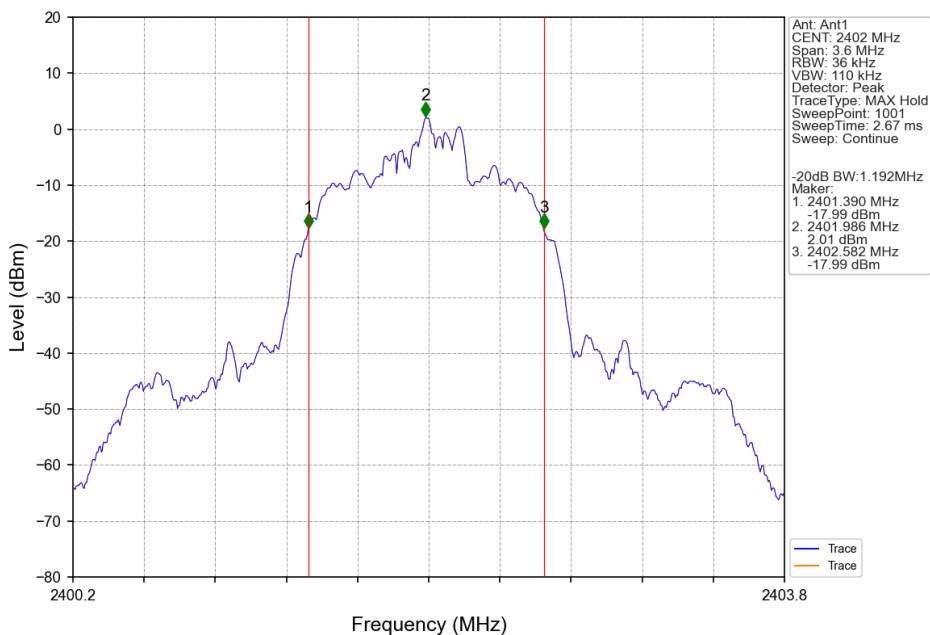
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



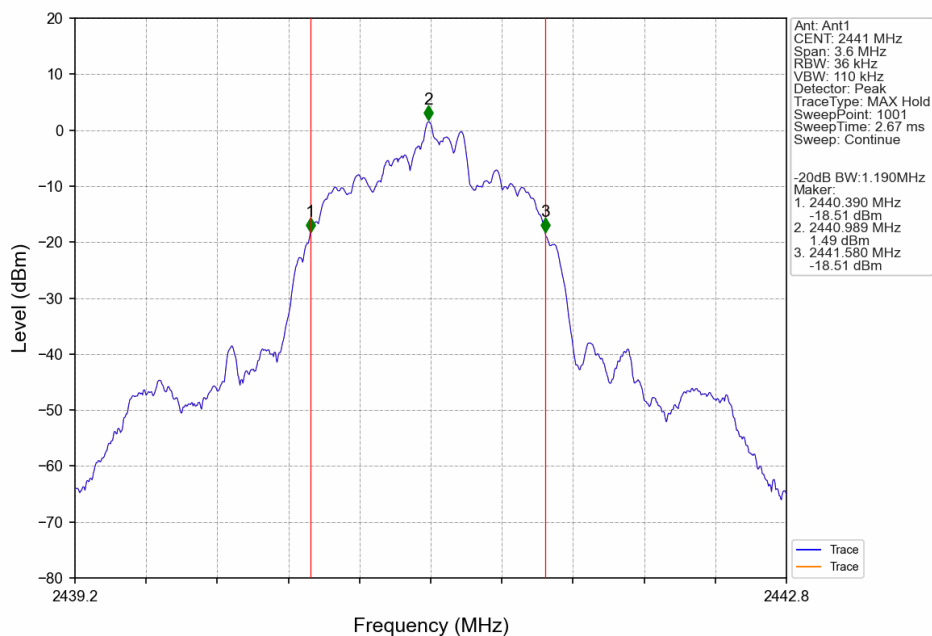
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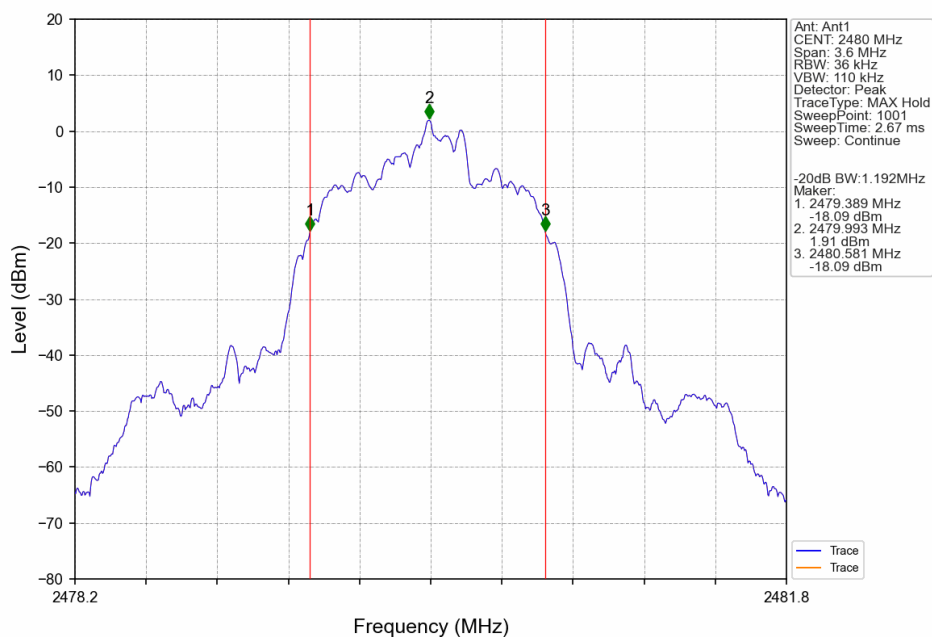
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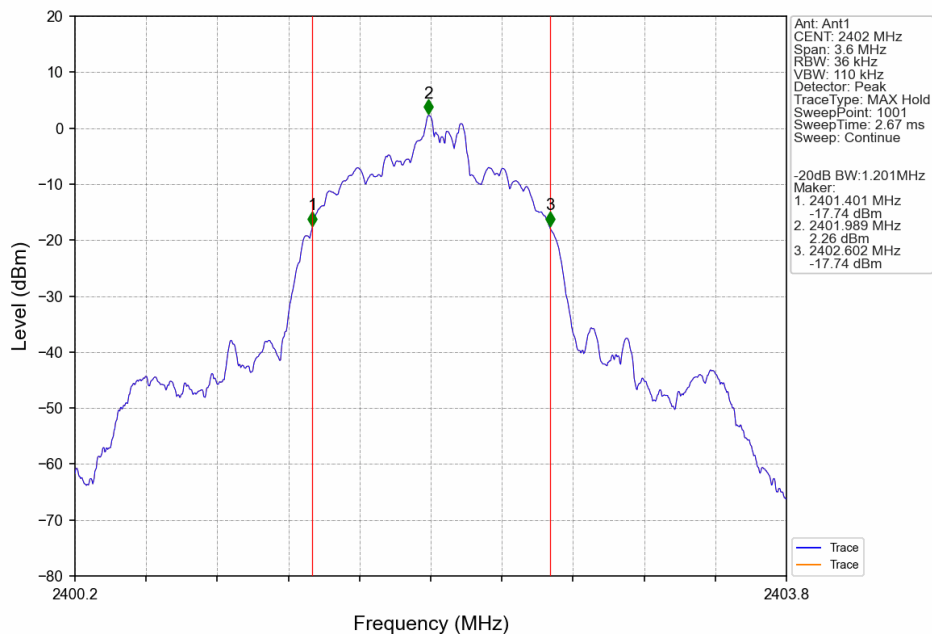
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



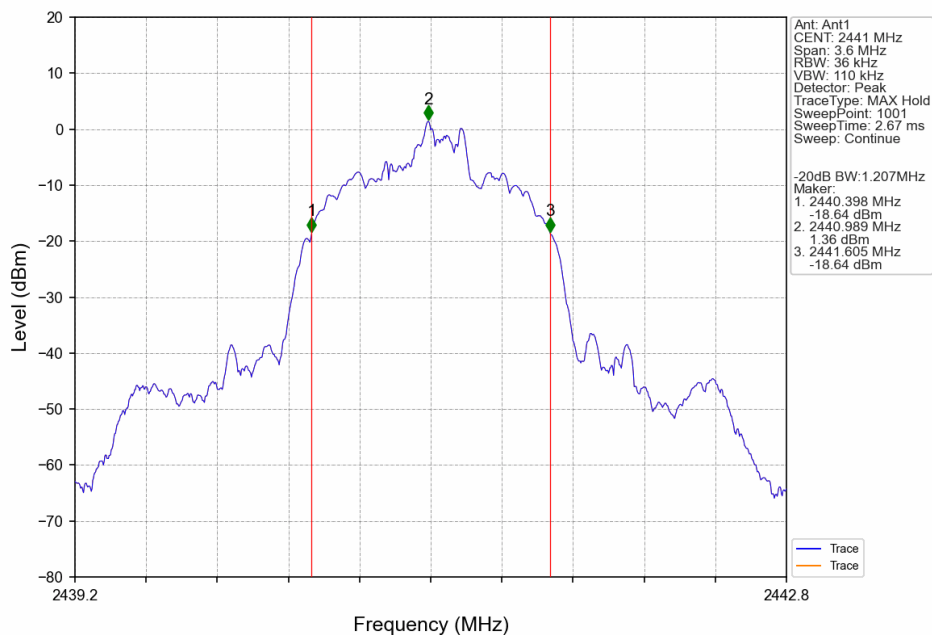
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



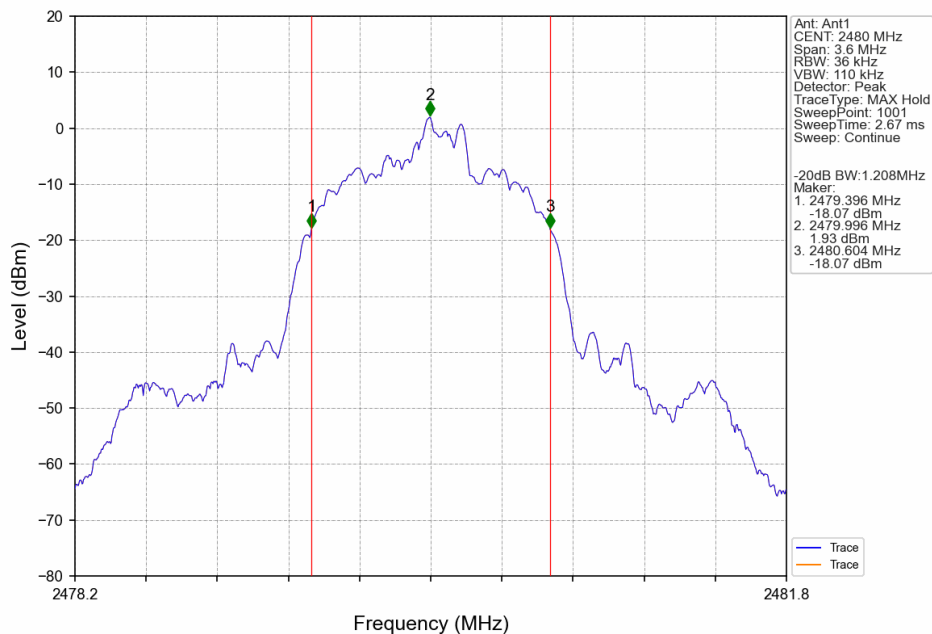
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### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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## 2. Maximum Conducted Output Power

### 2.1 Test Result

#### 2.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	3.04	$\leq 20.97$	Pass
		2441	DH5	2.32	$\leq 20.97$	Pass
		2480	DH5	2.91	$\leq 20.97$	Pass
Pi/4DQPSK	SISO	2402	2DH5	2.92	$\leq 20.97$	Pass
		2441	2DH5	2.22	$\leq 20.97$	Pass
		2480	2DH5	2.76	$\leq 20.97$	Pass
8DPSK	SISO	2402	3DH5	3.01	$\leq 20.97$	Pass
		2441	3DH5	2.35	$\leq 20.97$	Pass
		2480	3DH5	2.88	$\leq 20.97$	Pass

Note1: Antenna Gain: Ant1: -4.79dBi;

## 3. Carrier Frequency Separation

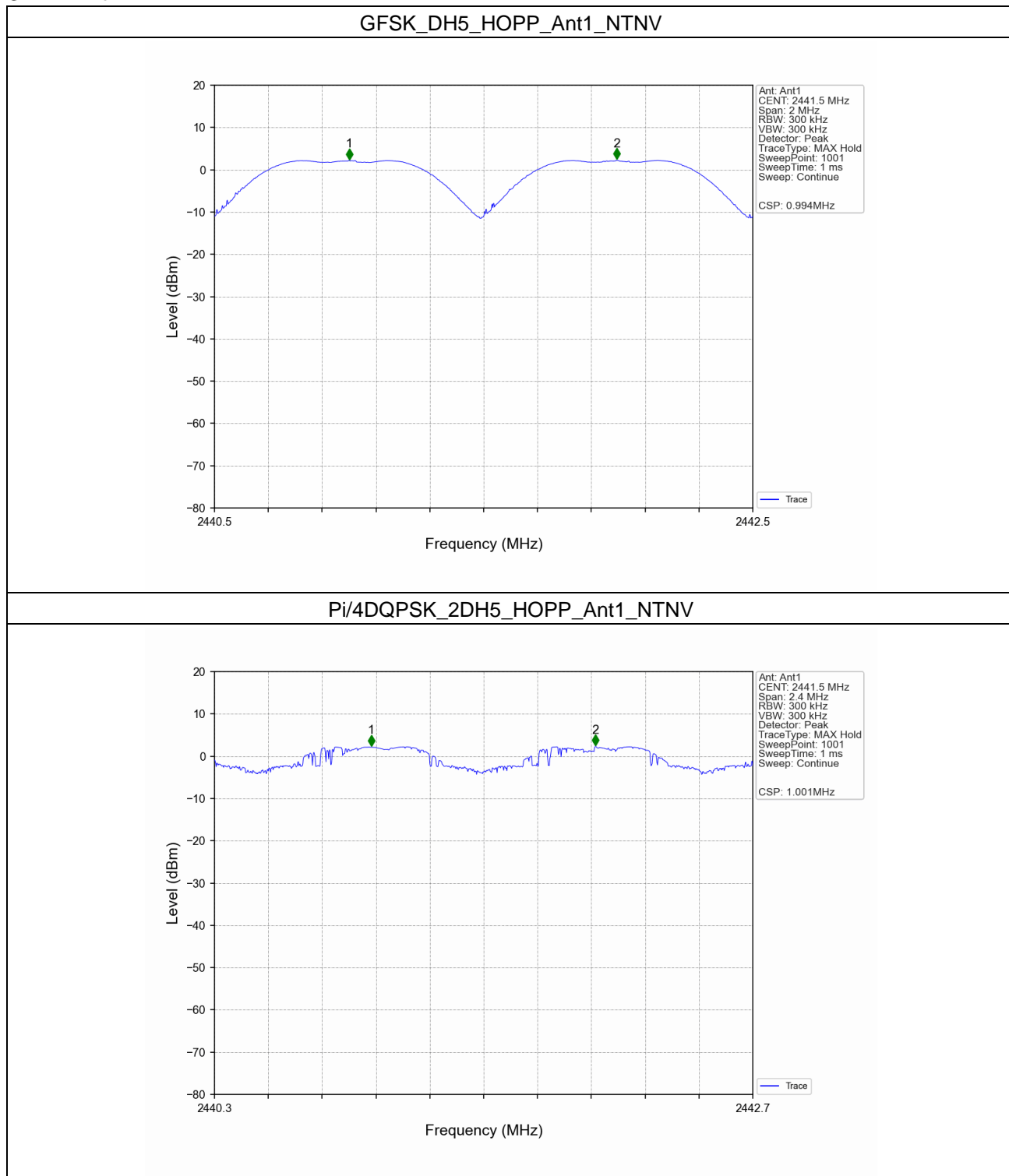
### 3.1 Test Result

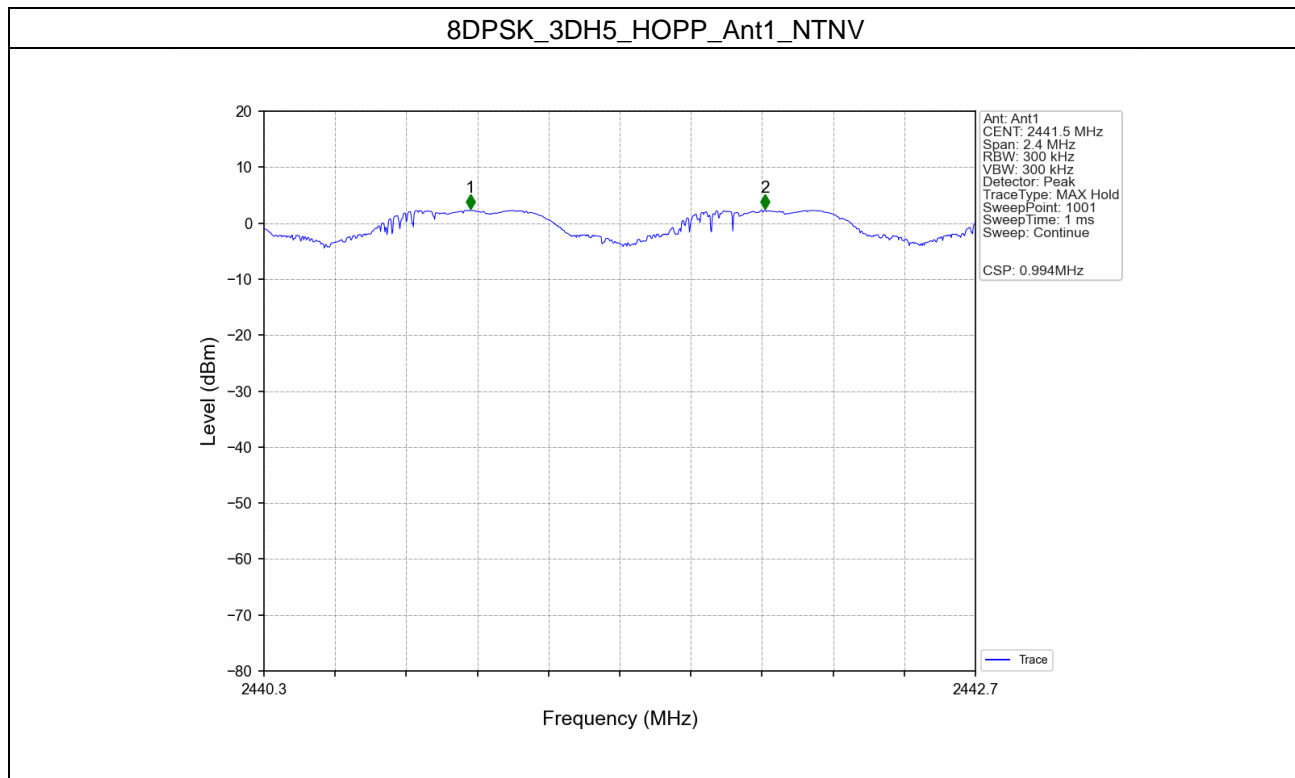
#### 3.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.994	1.042	$\geq 0.695$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.192	$\geq 0.795$	Pass
8DPSK	SISO	HOPP	3DH5	0.994	1.208	$\geq 0.805$	Pass

### 3.2 Test Graph

#### 3.2.1 Ant1





## 4. Number of Hopping Frequencies

### 4.1 Test Result

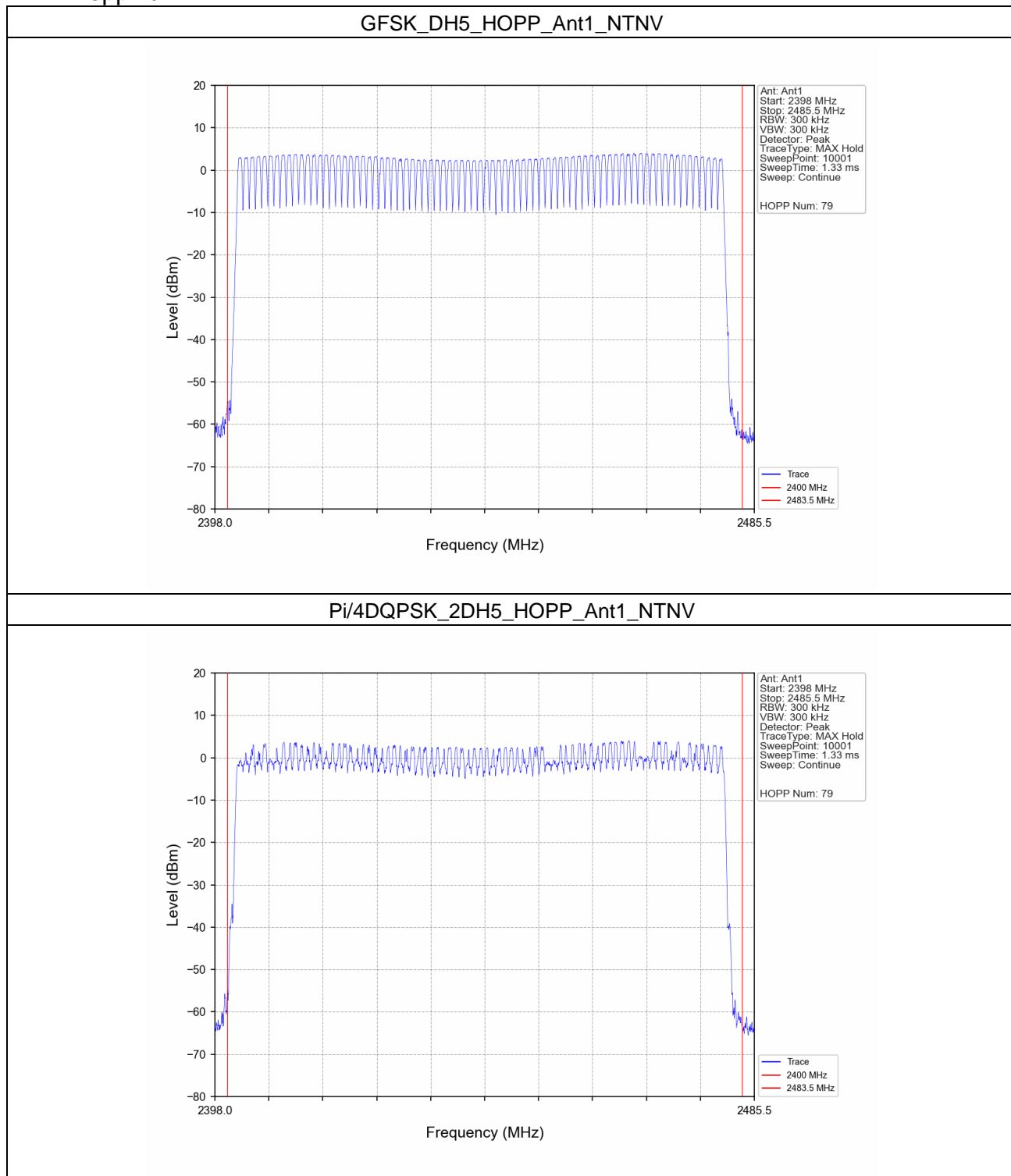
#### 4.1.1 HoppNum

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

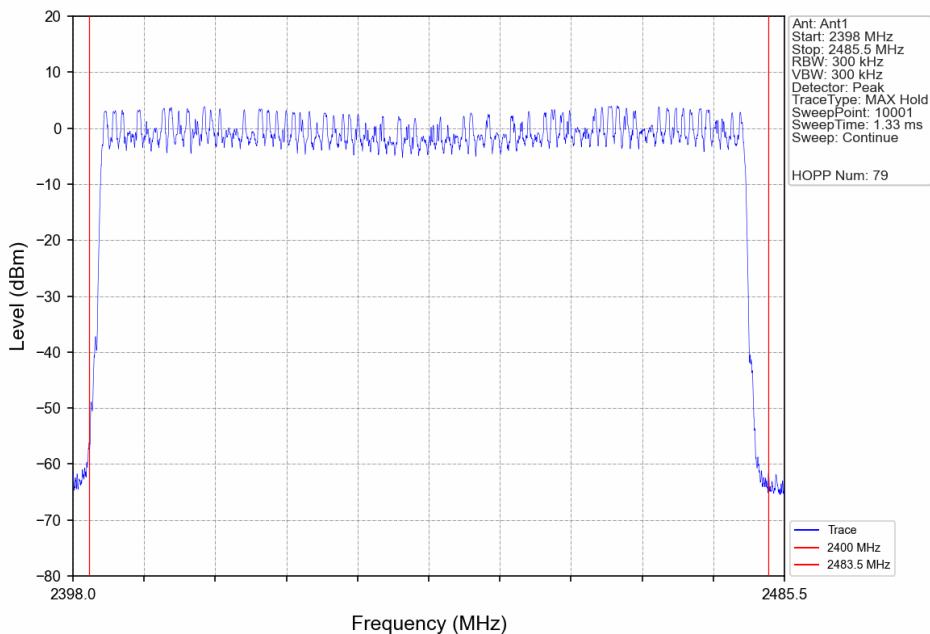


### 4.2 Test Graph

#### 4.2.1 HoppNum



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



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

#### 5.1 Test Result

##### 5.1.1 Ant1

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	0.390	31.600	151	58.890	<=400	Pass
			DH3	1.646	31.600	113	185.998	<=400	Pass
			DH5	2.892	31.600	85	245.820	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.396	31.600	168	66.528	<=400	Pass
			2DH3	1.648	31.600	108	177.984	<=400	Pass
			2DH5	2.898	31.600	79	228.942	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.400	31.600	150	60.000	<=400	Pass
			3DH3	1.650	31.600	109	179.850	<=400	Pass
			3DH5	2.900	31.600	80	232.000	<=400	Pass

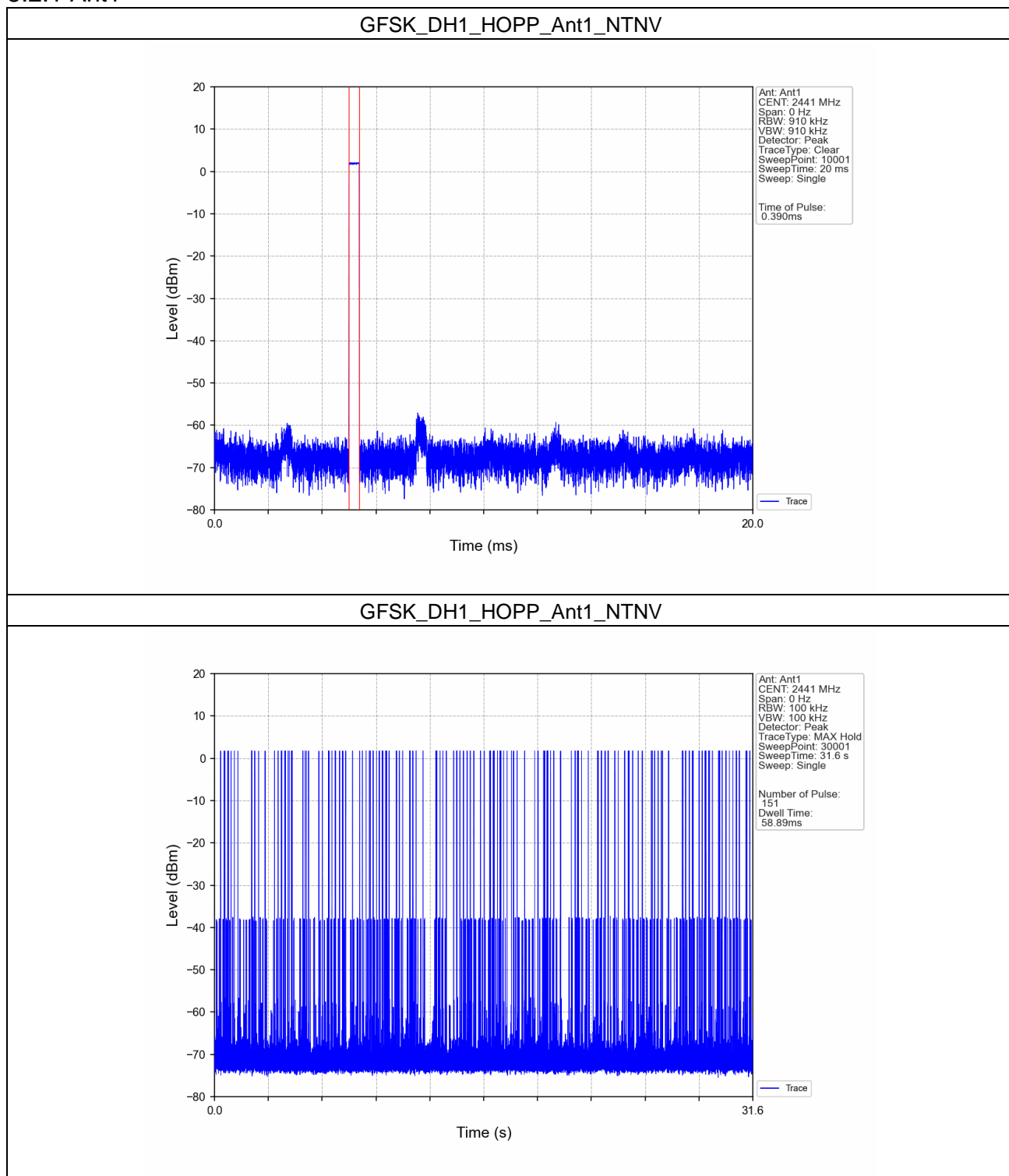


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### 5.2 Test Graph

#### 5.2.1 Ant1

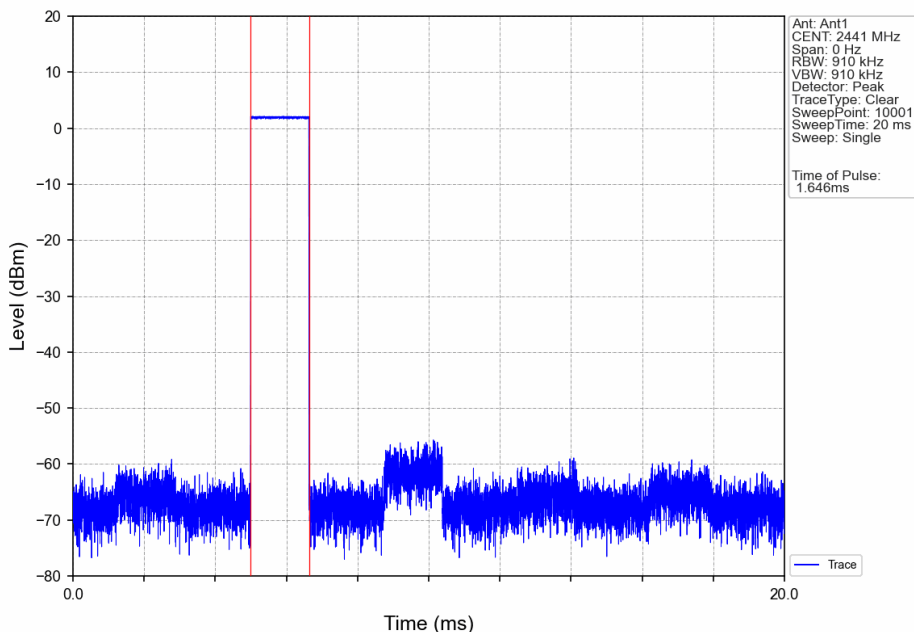


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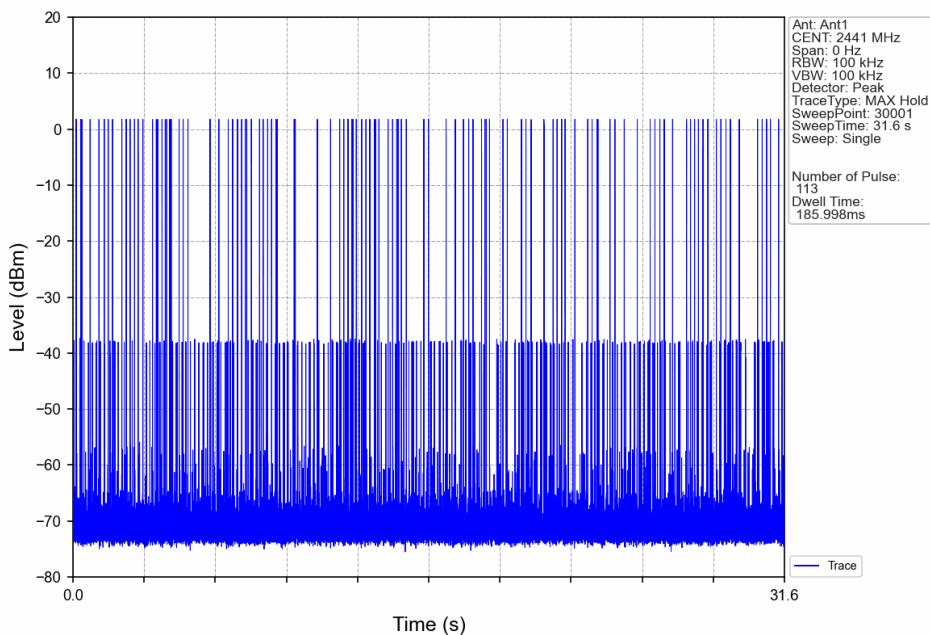
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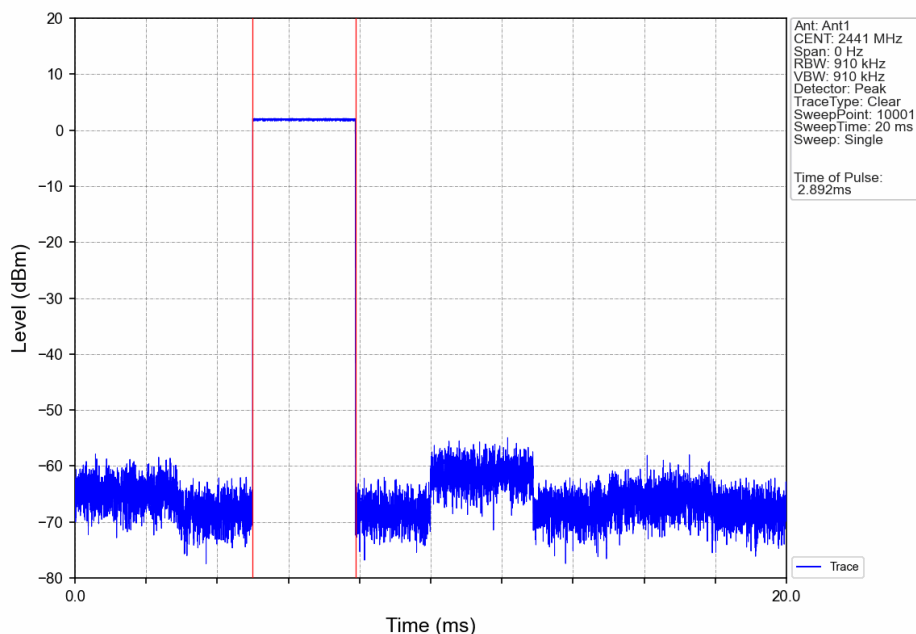
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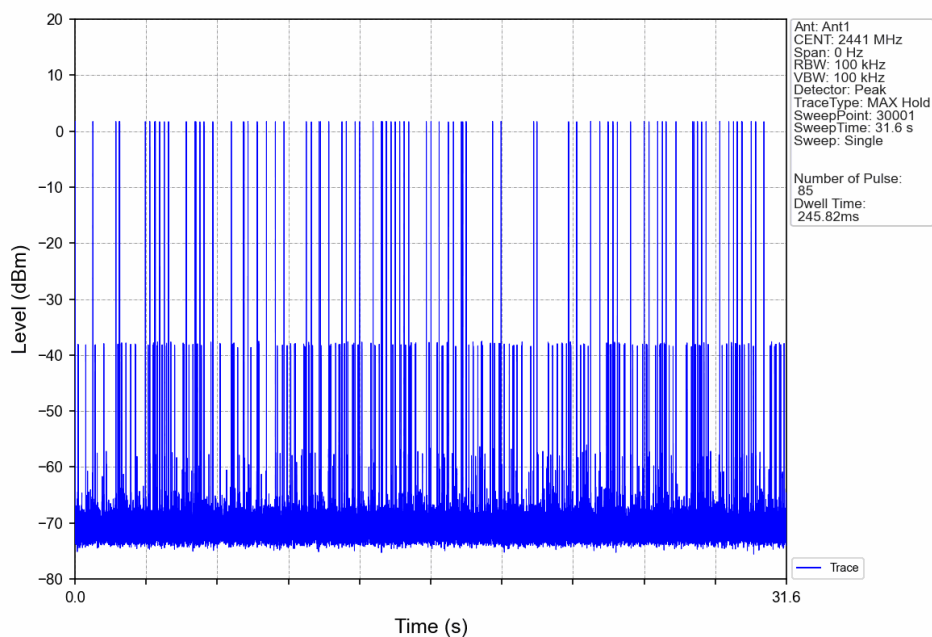
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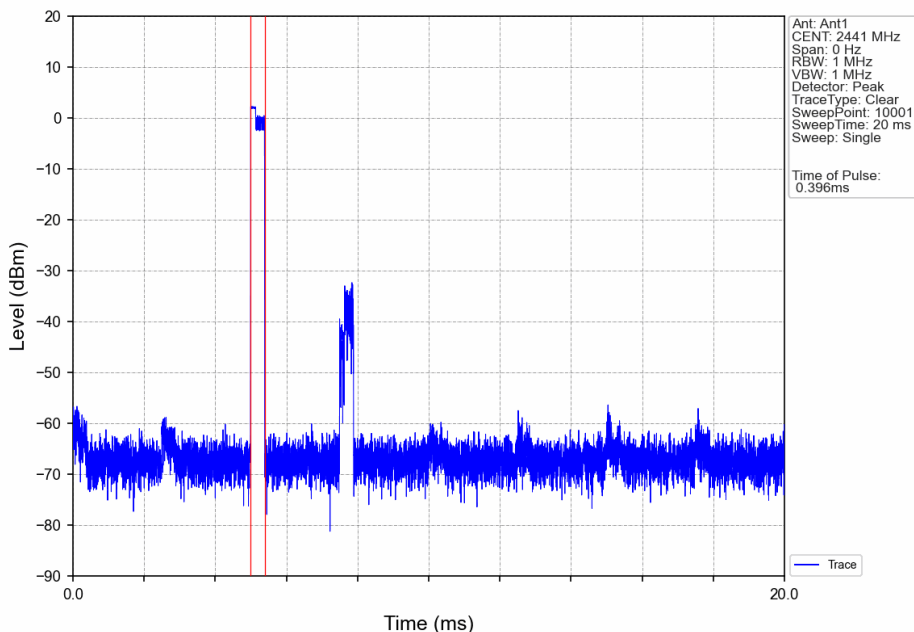
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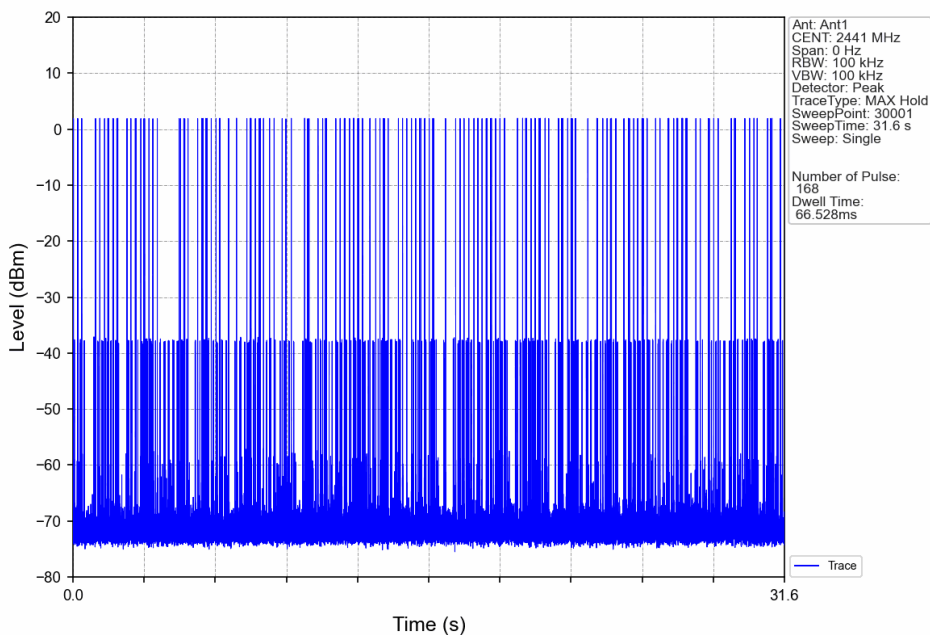
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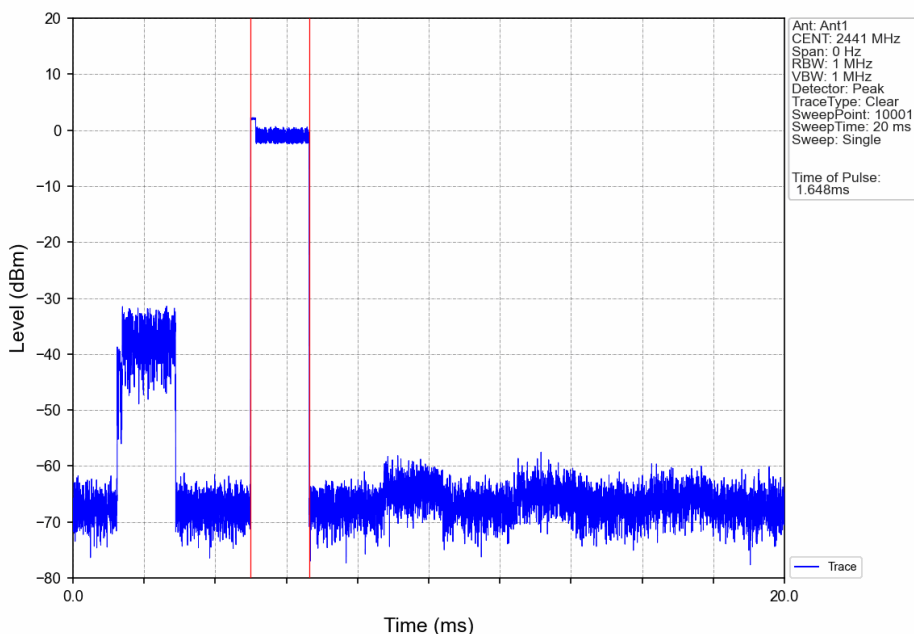
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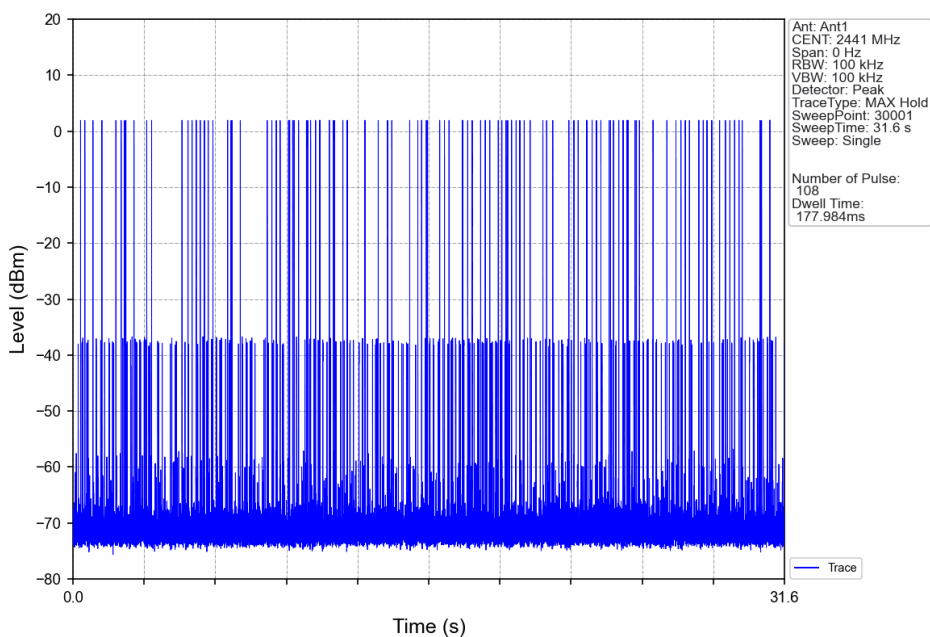
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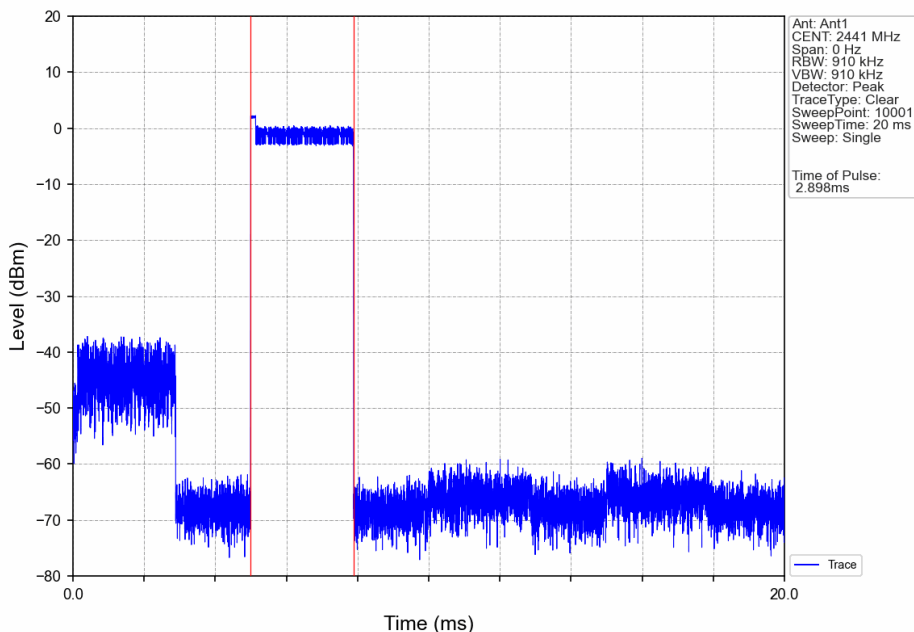


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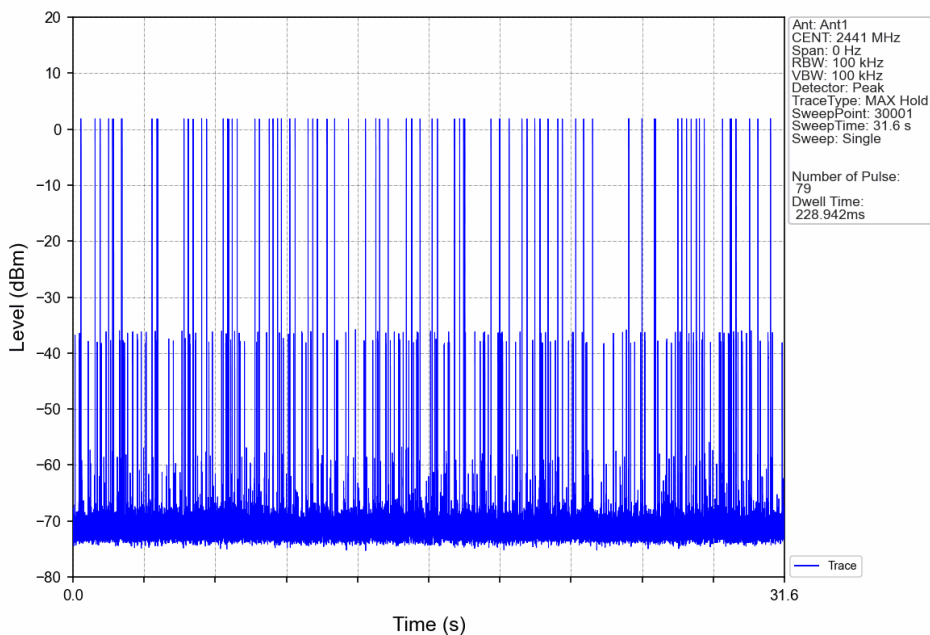




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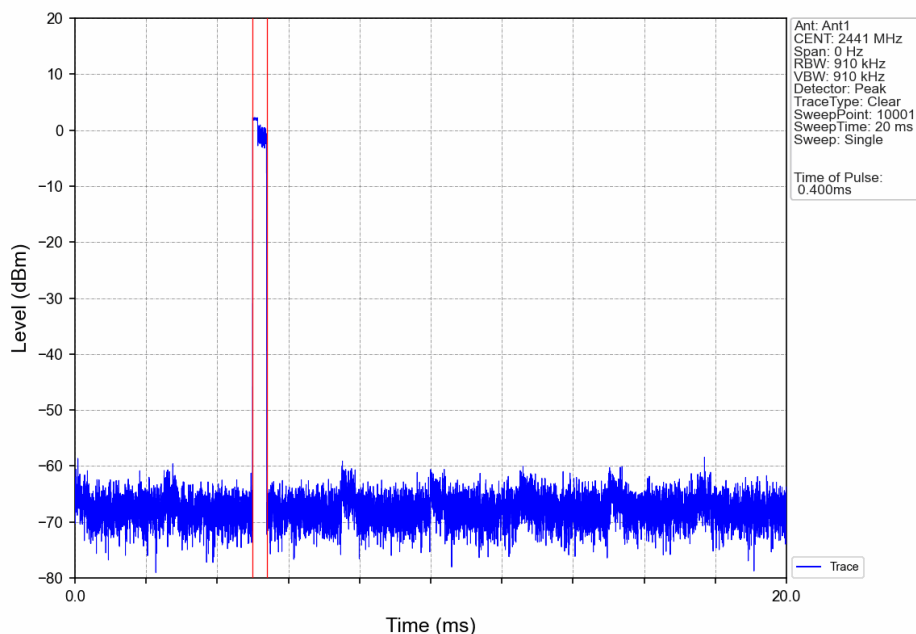


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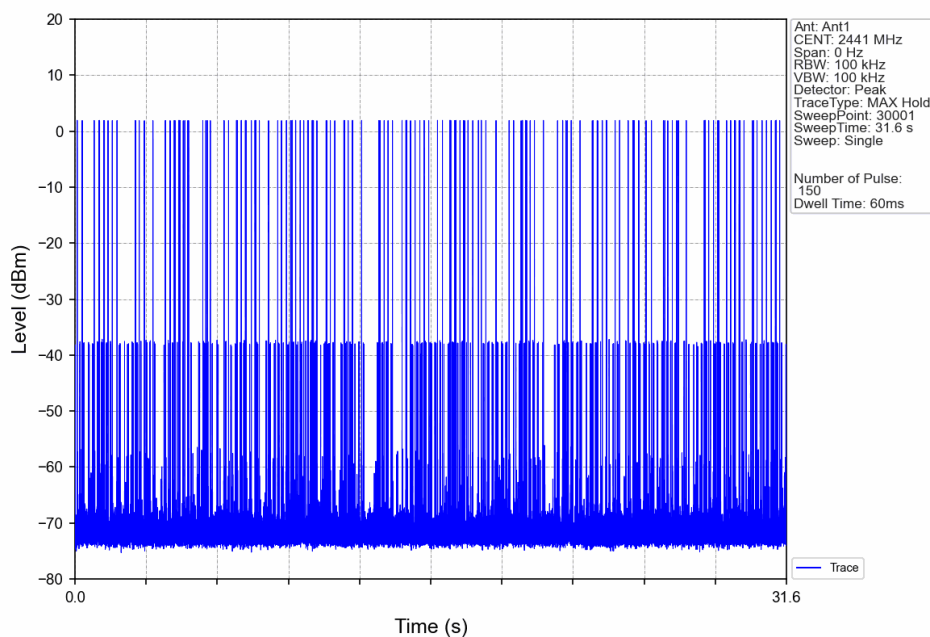




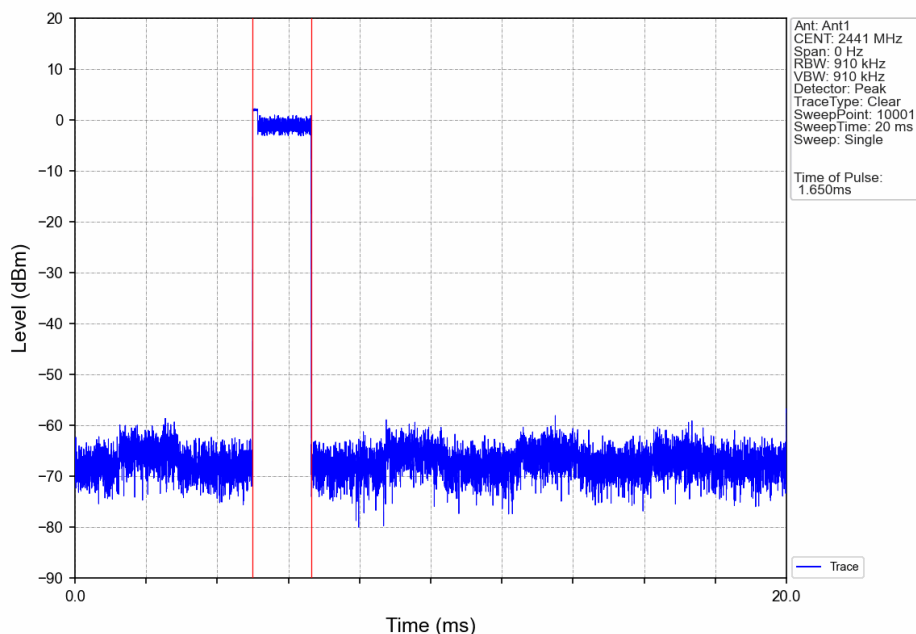
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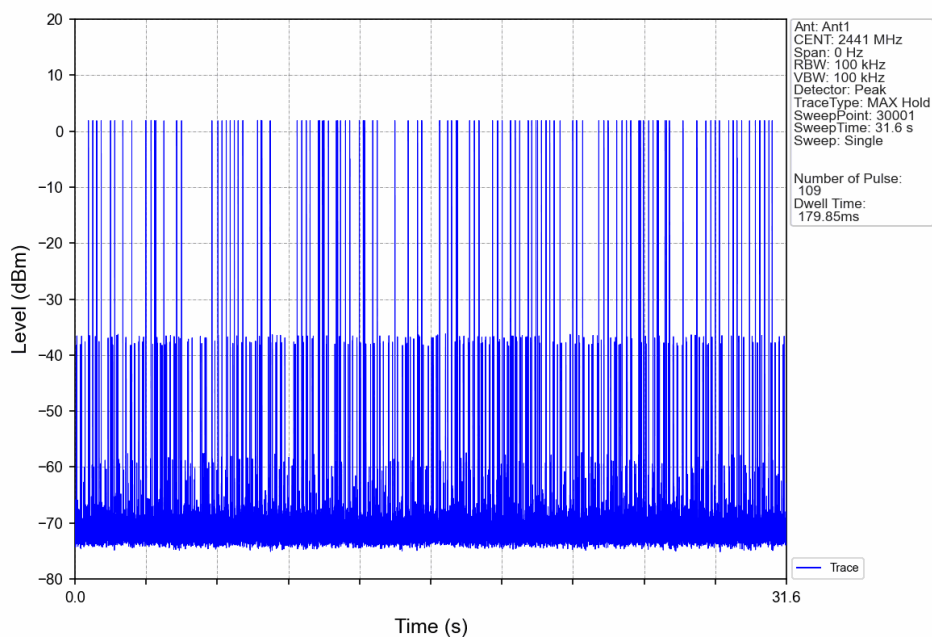
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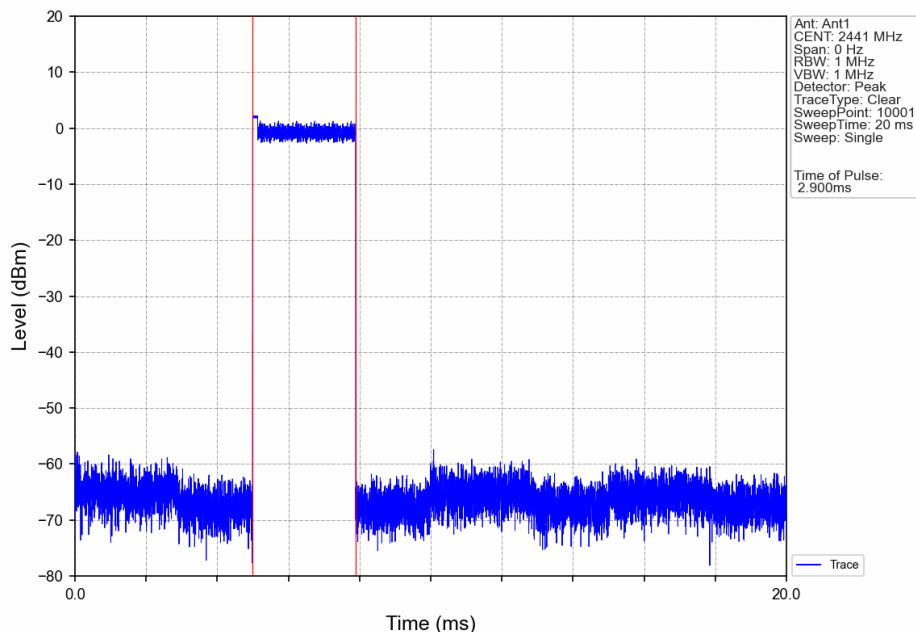
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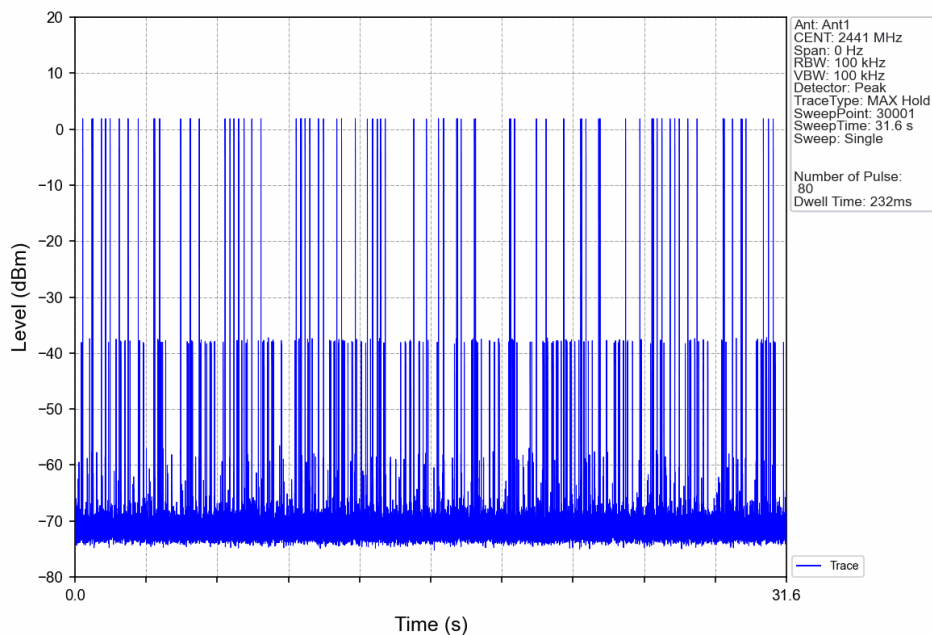
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### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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



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

### 6.1 Test Result

#### 6.1.1 Ref

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	2.79
		2441	DH5	1	2.09
		2480	DH5	1	2.58
Pi/4DQPSK	SISO	2402	2DH5	1	2.68
		2441	2DH5	1	1.97
		2480	2DH5	1	2.38
8DPSK	SISO	2402	3DH5	1	2.78
		2441	3DH5	1	2.11
		2480	3DH5	1	2.59

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.



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### 6.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	2.79	-17.21	Pass
		2441	DH5	1	2.79	-17.21	Pass
		2480	DH5	1	2.79	-17.21	Pass
		HOPP	DH5	1	2.79	-17.21	Pass
					2.79	-17.21	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	2.68	-17.32	Pass
		2441	2DH5	1	2.68	-17.32	Pass
		2480	2DH5	1	2.68	-17.32	Pass
		HOPP	2DH5	1	2.68	-17.32	Pass
					2.68	-17.32	Pass
8DPSK	SISO	2402	3DH5	1	2.78	-17.22	Pass
		2441	3DH5	1	2.78	-17.22	Pass
		2480	3DH5	1	2.78	-17.22	Pass
		HOPP	3DH5	1	2.78	-17.22	Pass
					2.78	-17.22	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.



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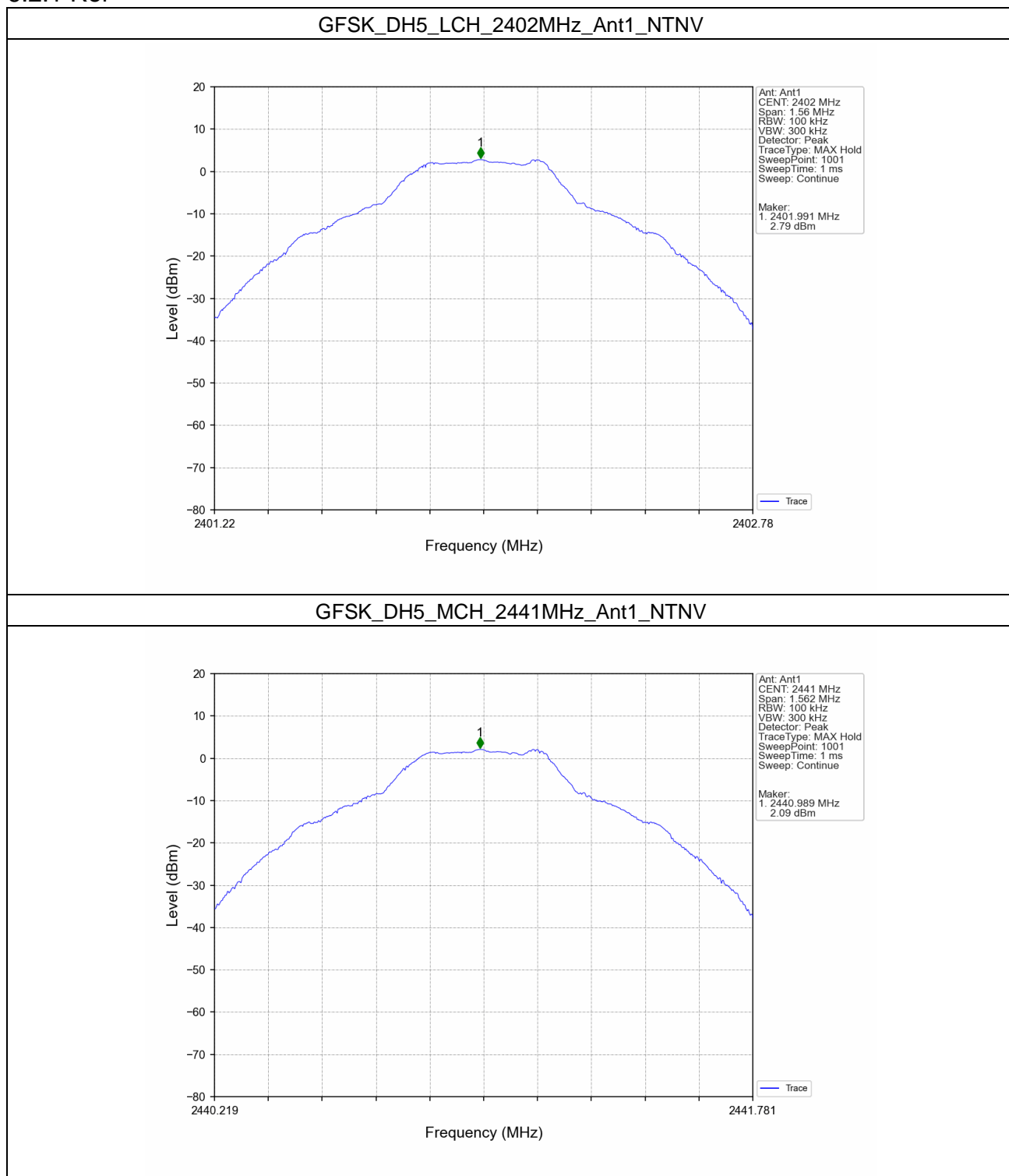
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### 6.2 Test Graph

#### 6.2.1 Ref



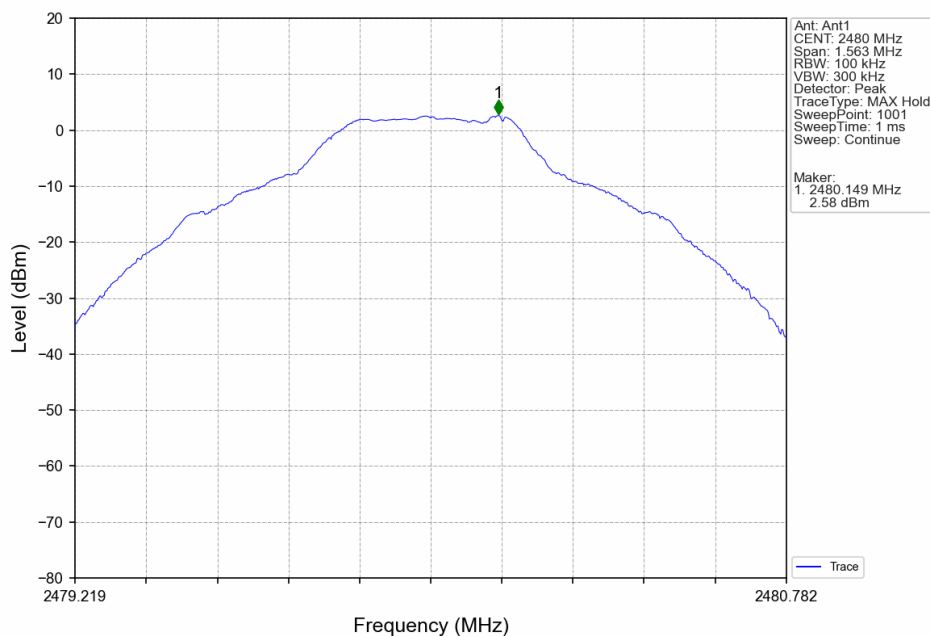
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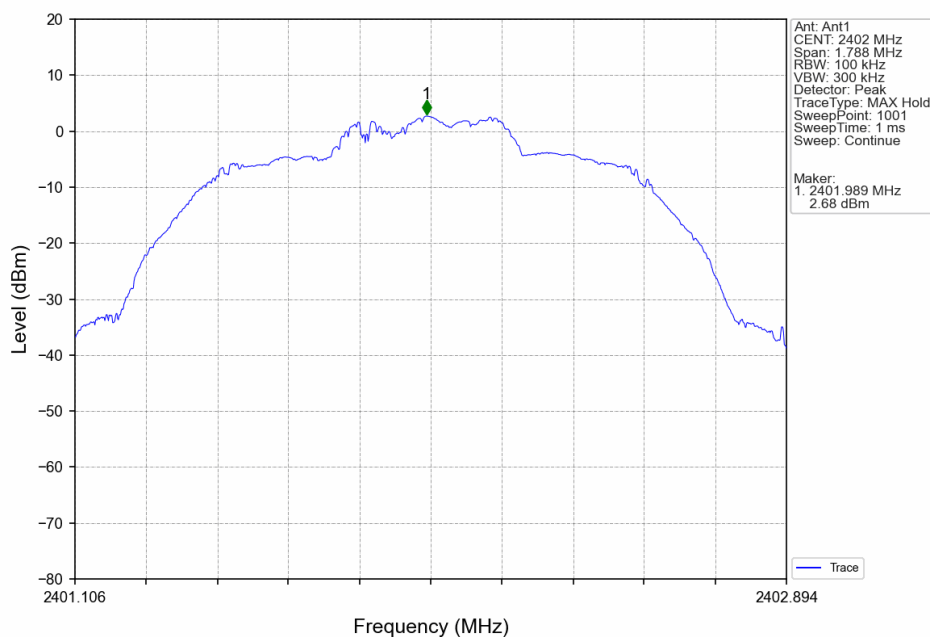
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GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



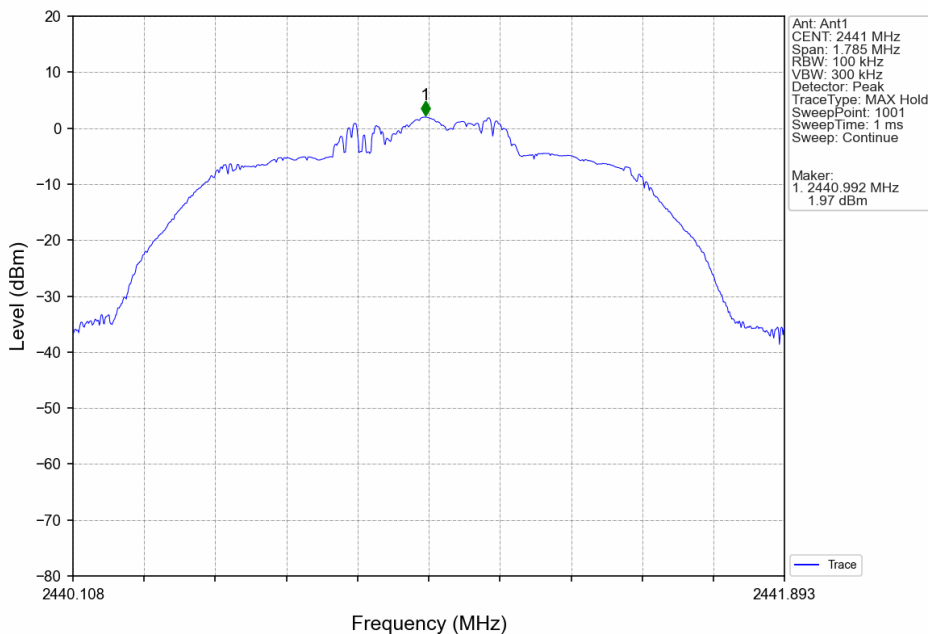
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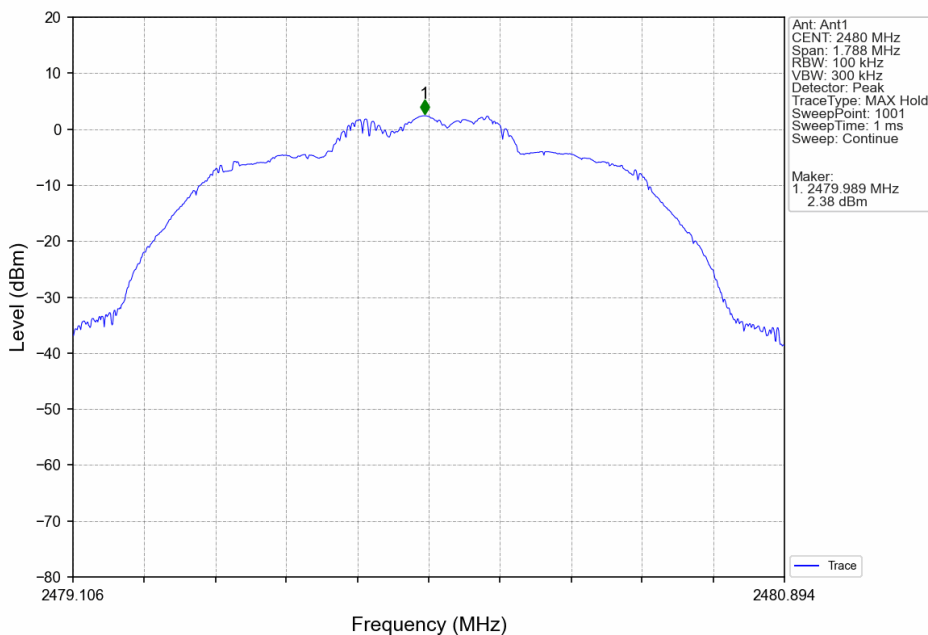
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



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



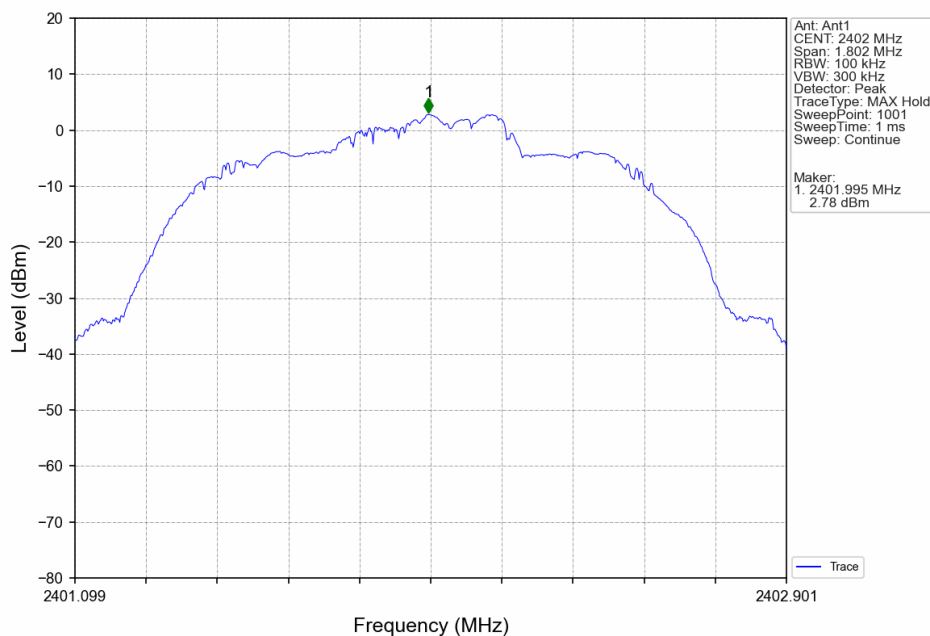
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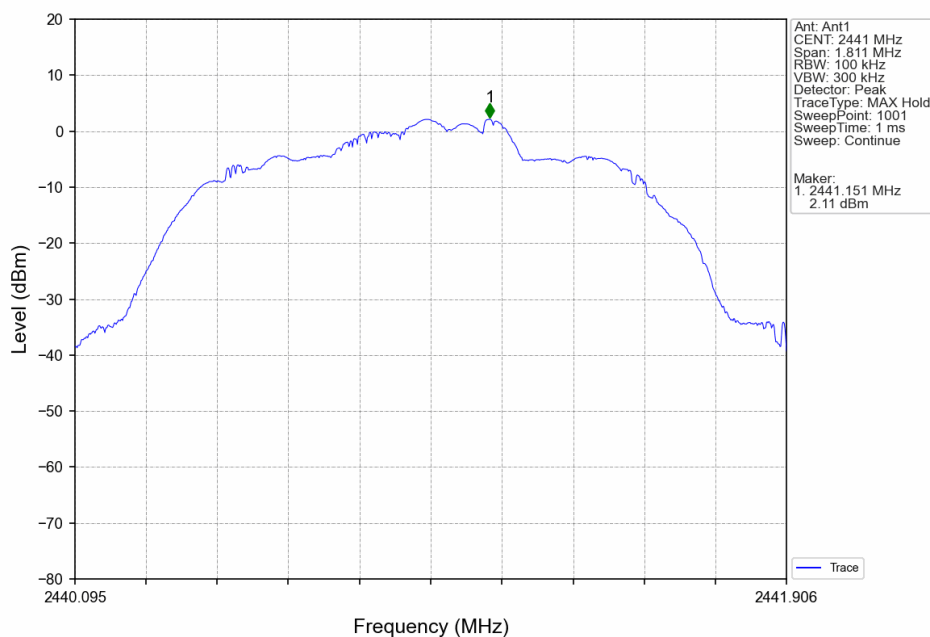
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### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



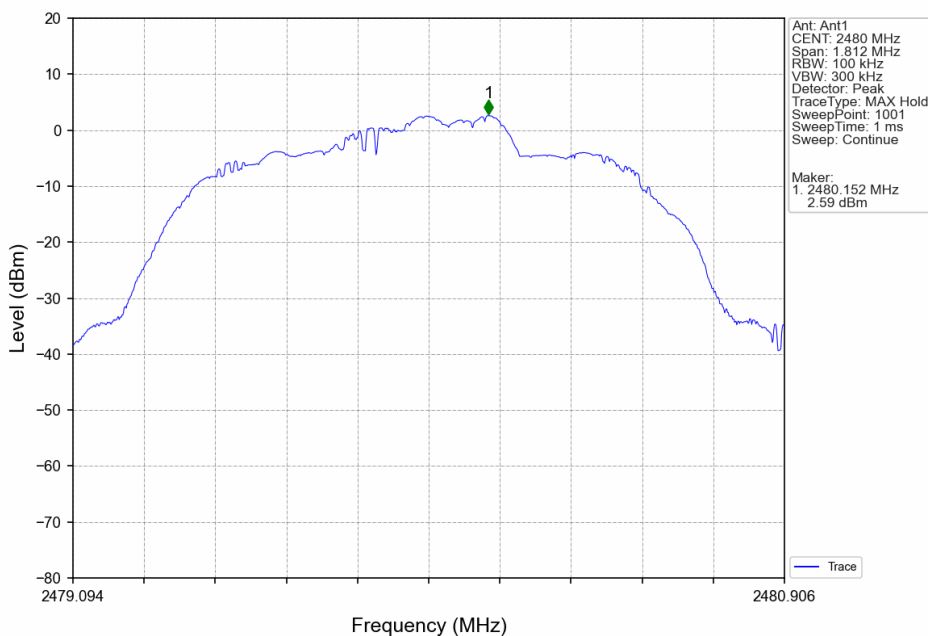
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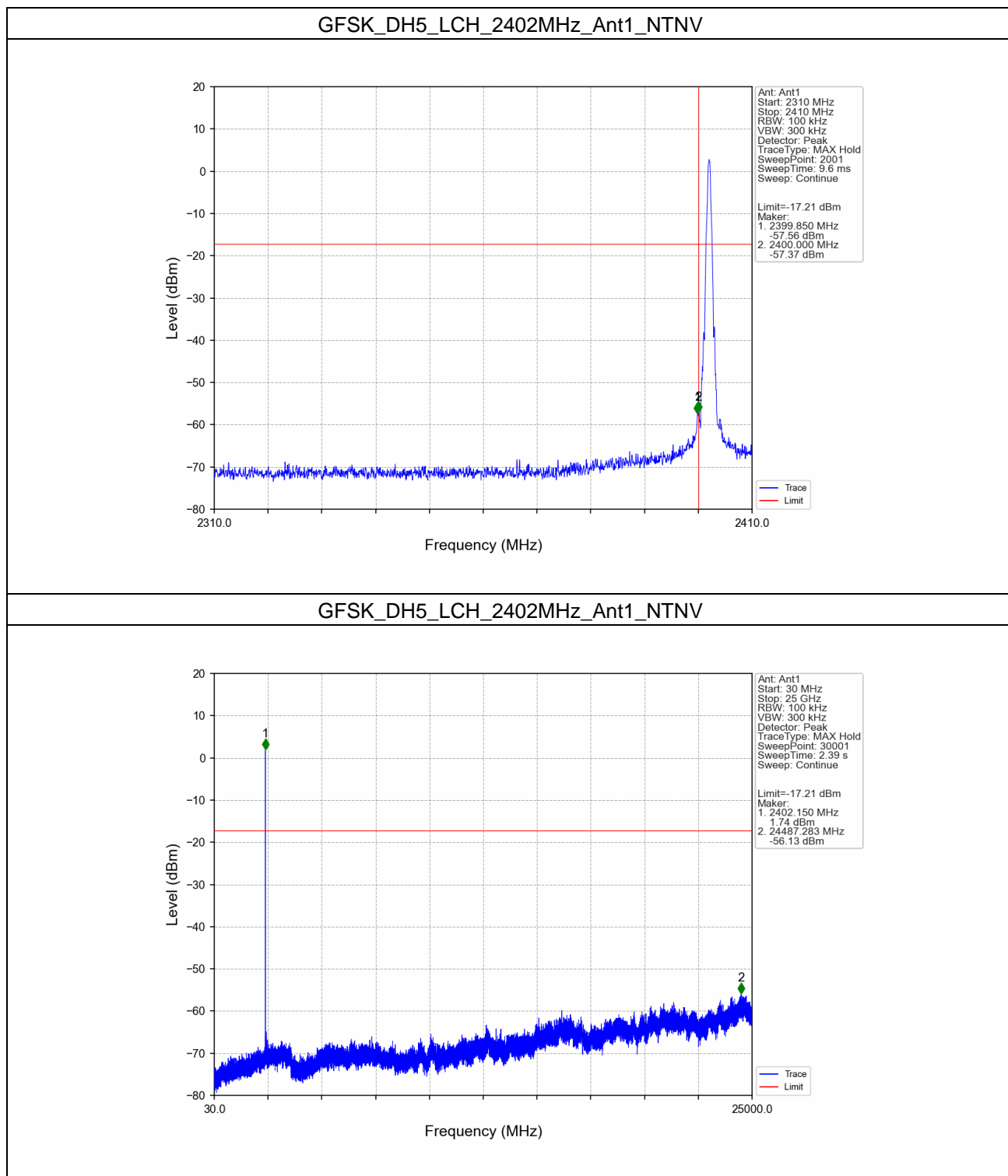
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### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV





### 6.2.2 CSE



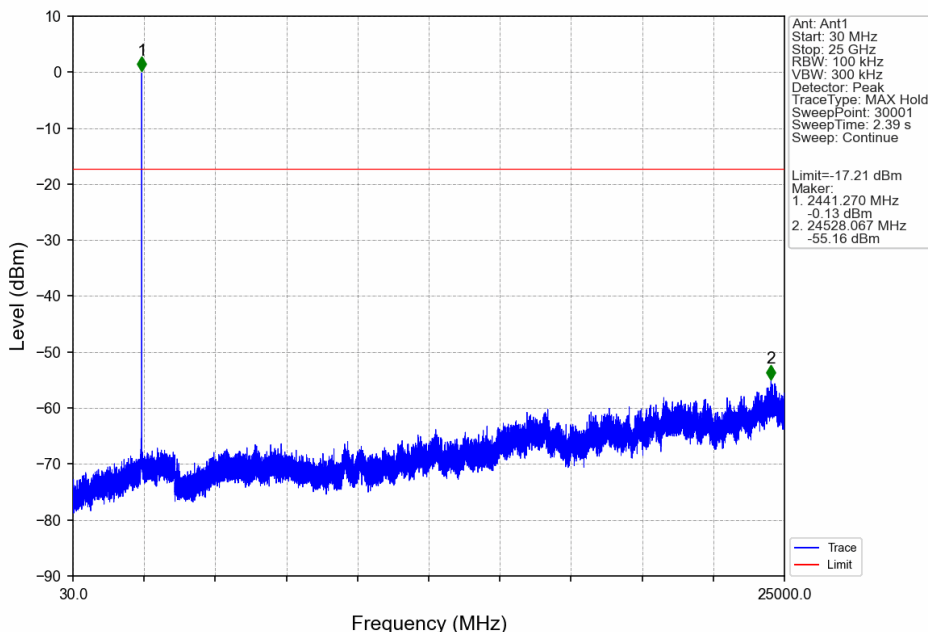
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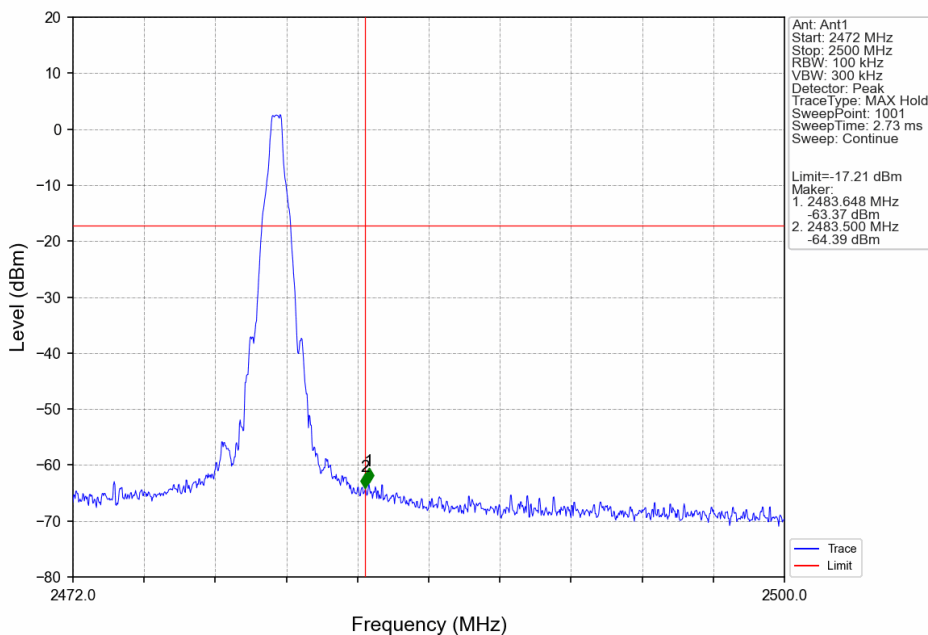
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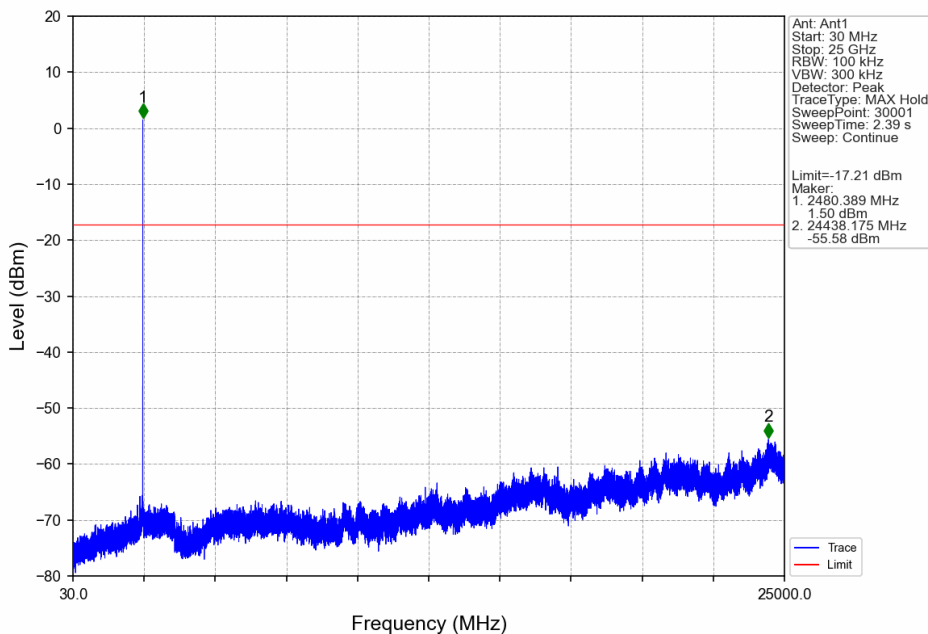
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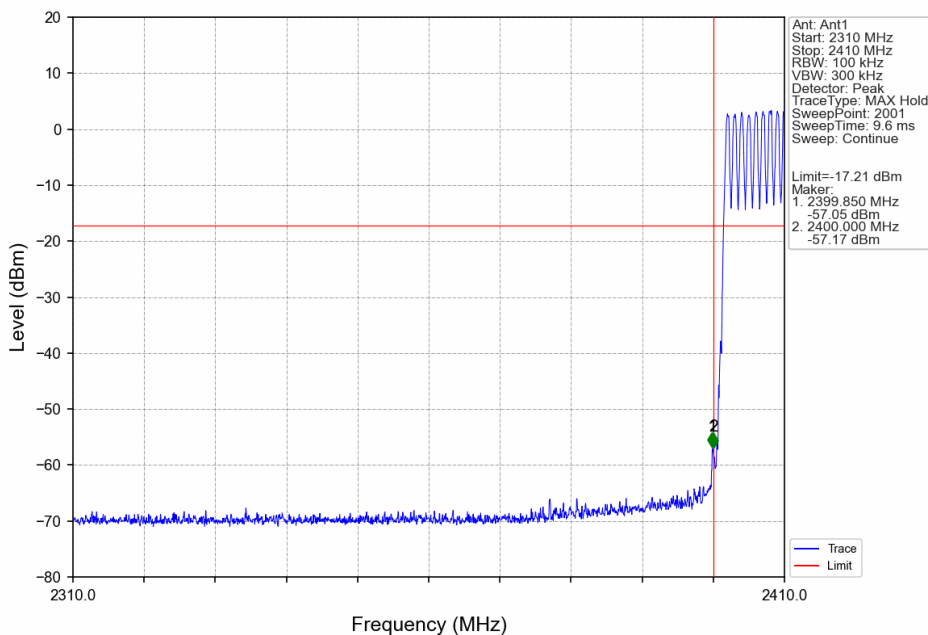
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



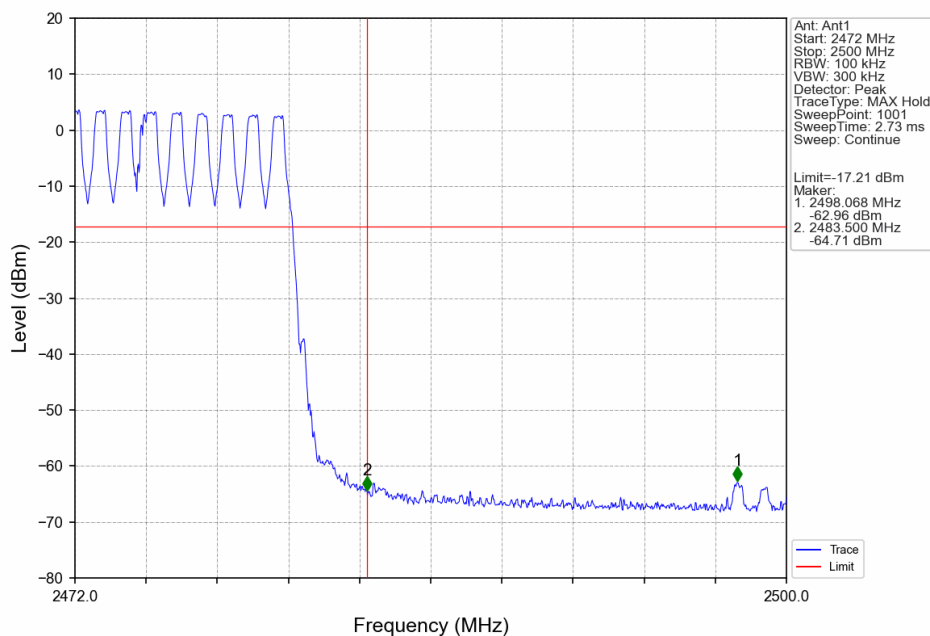
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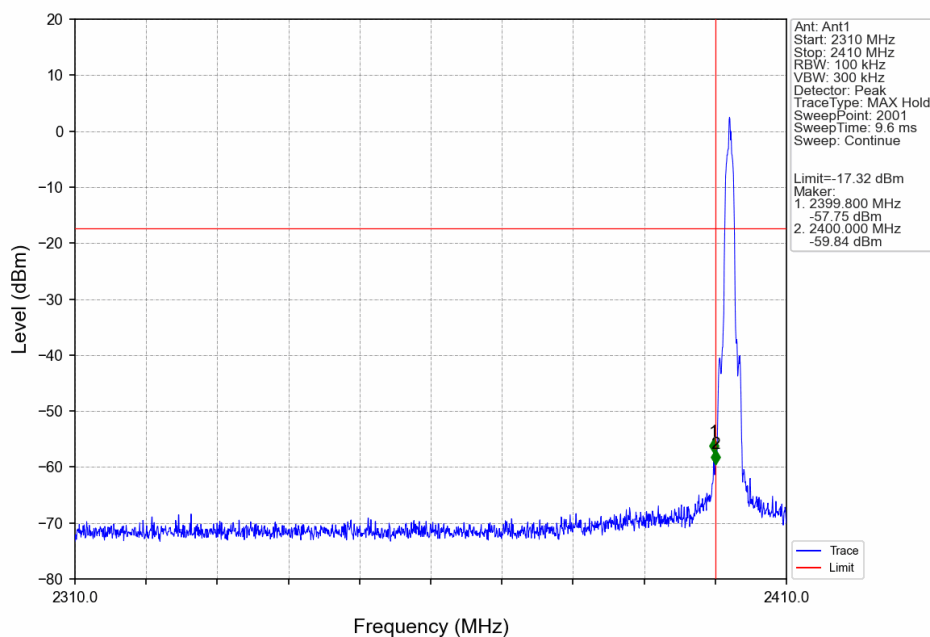
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### GFSK\_DH5\_HOPP\_Ant1\_NTNV



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



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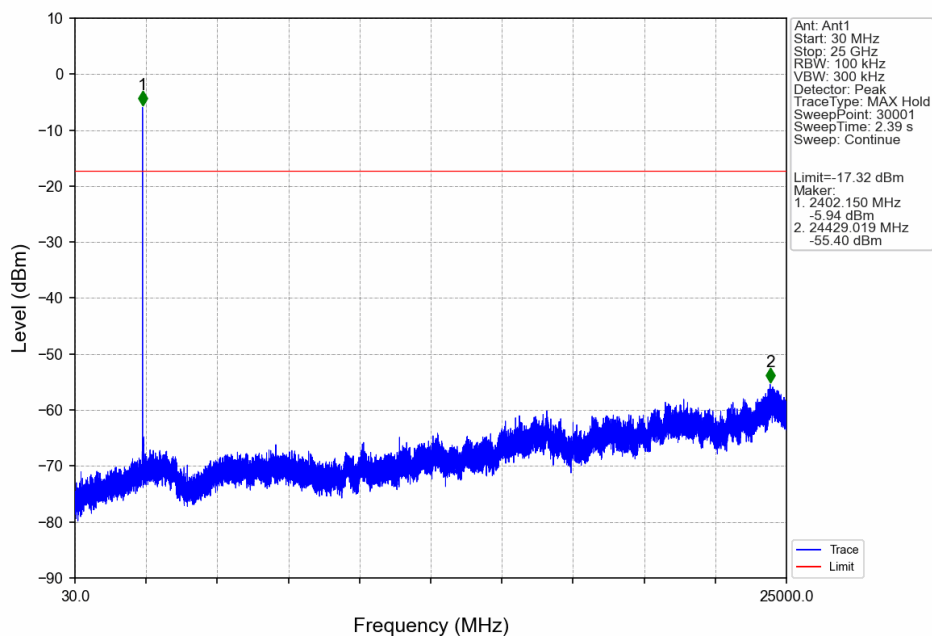
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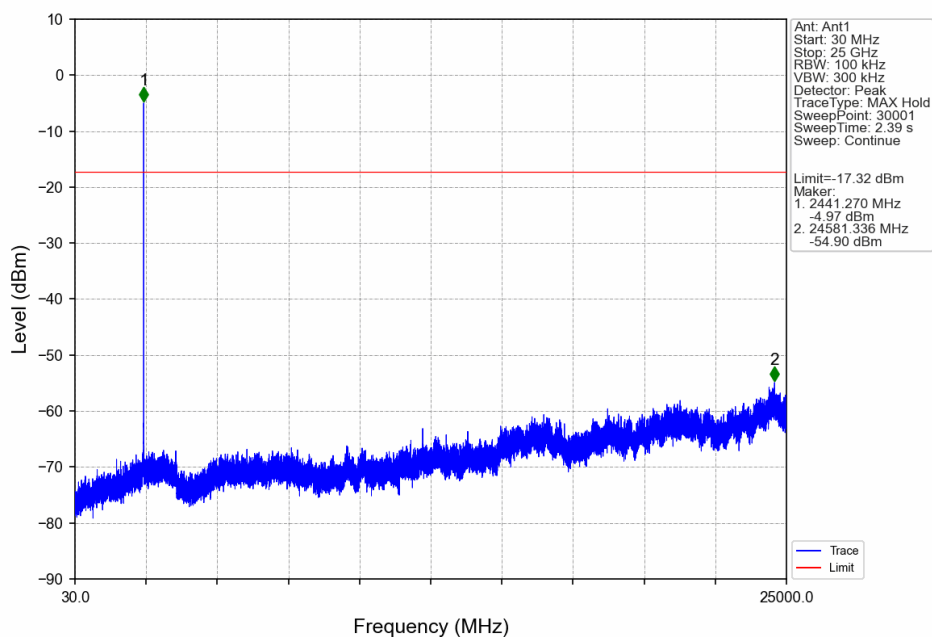
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Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV

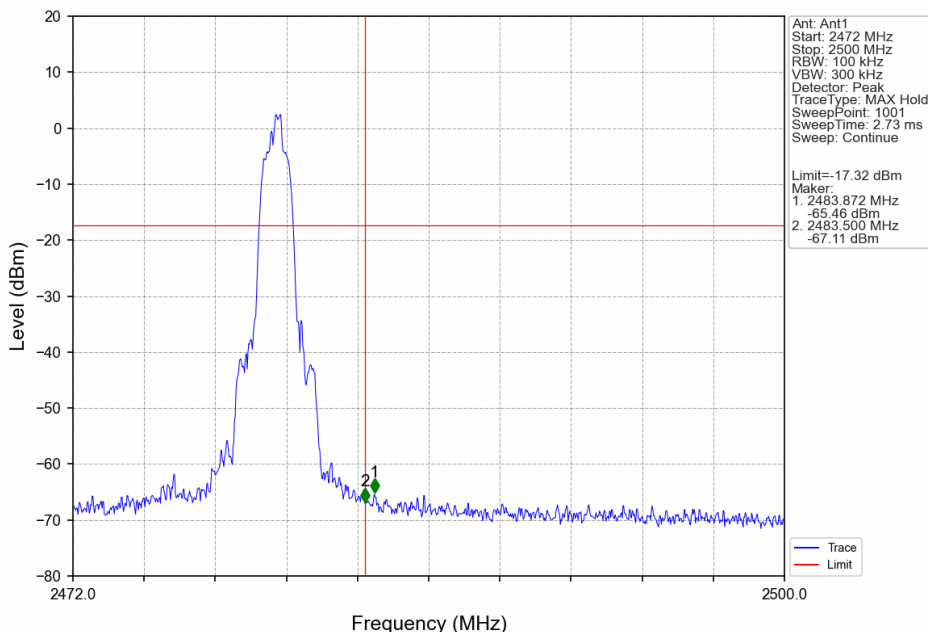


Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

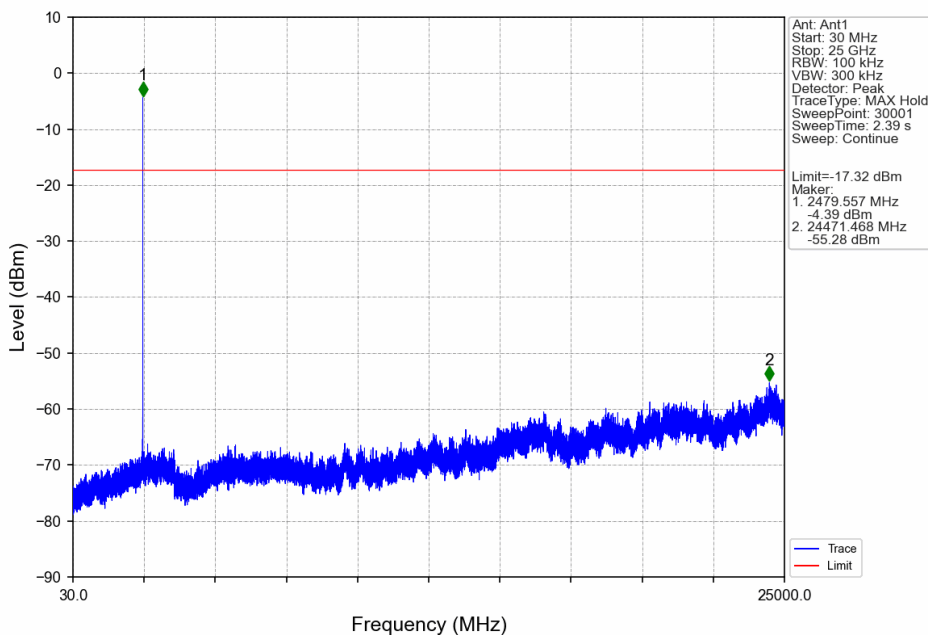




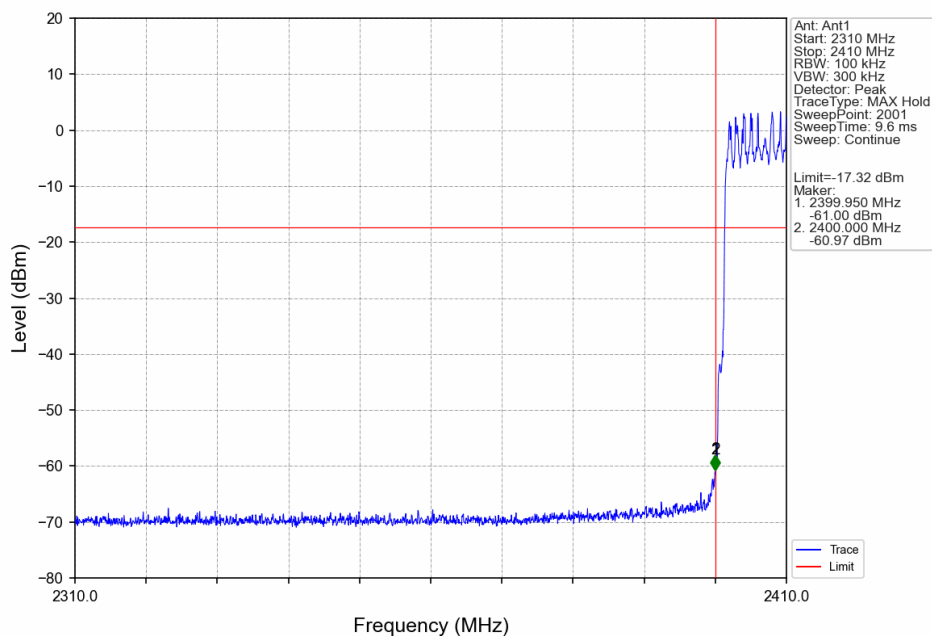
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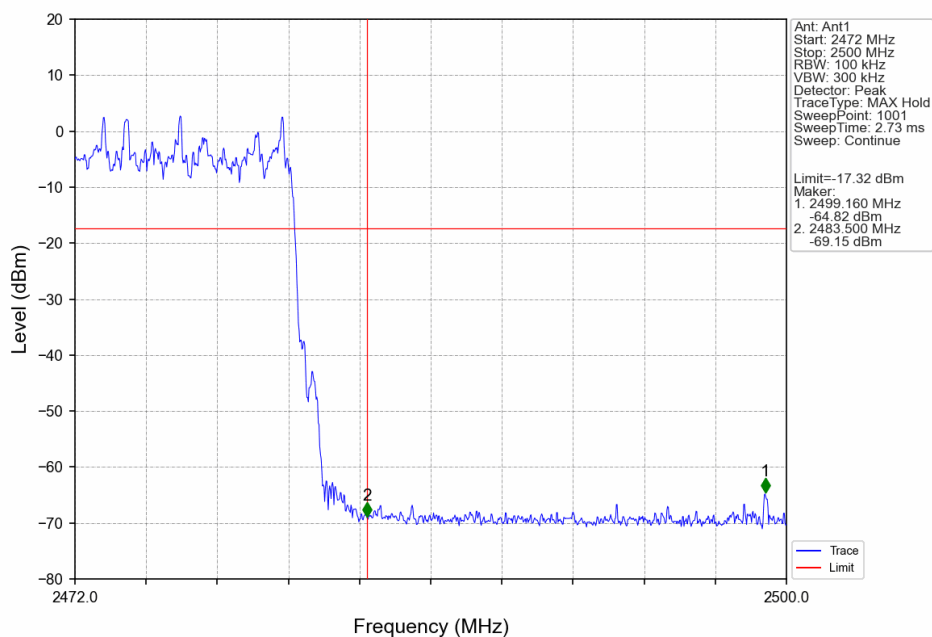
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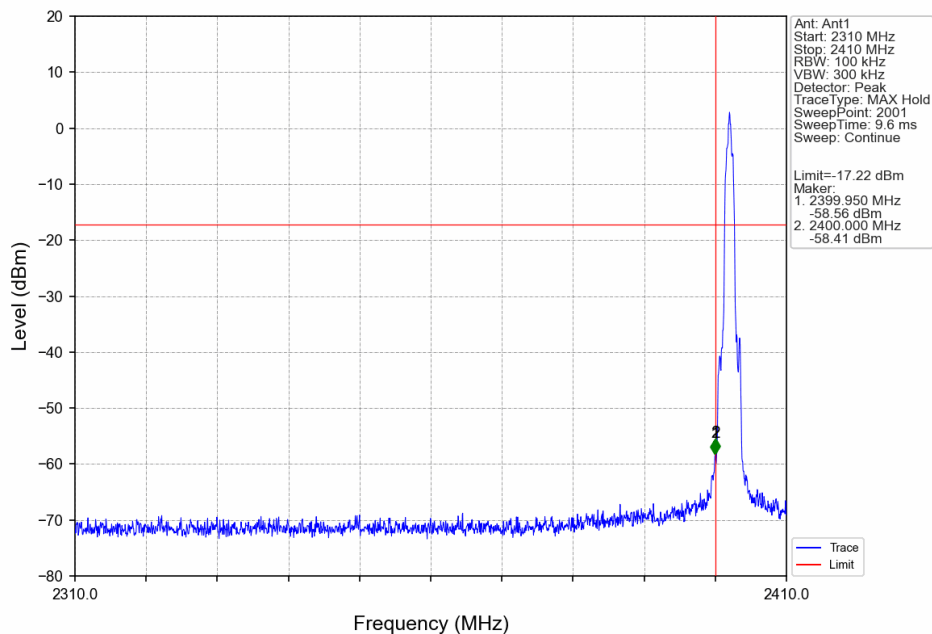
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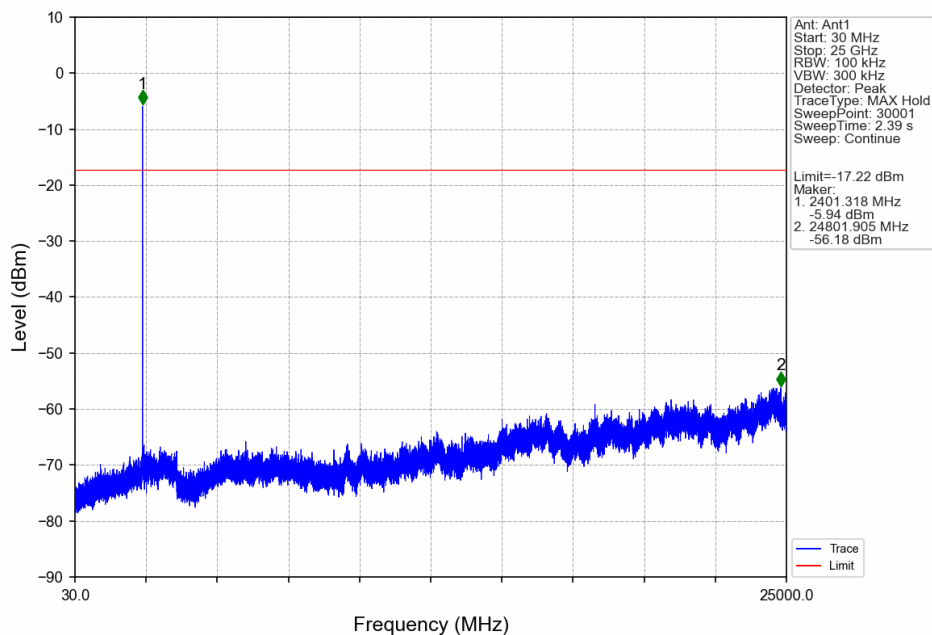
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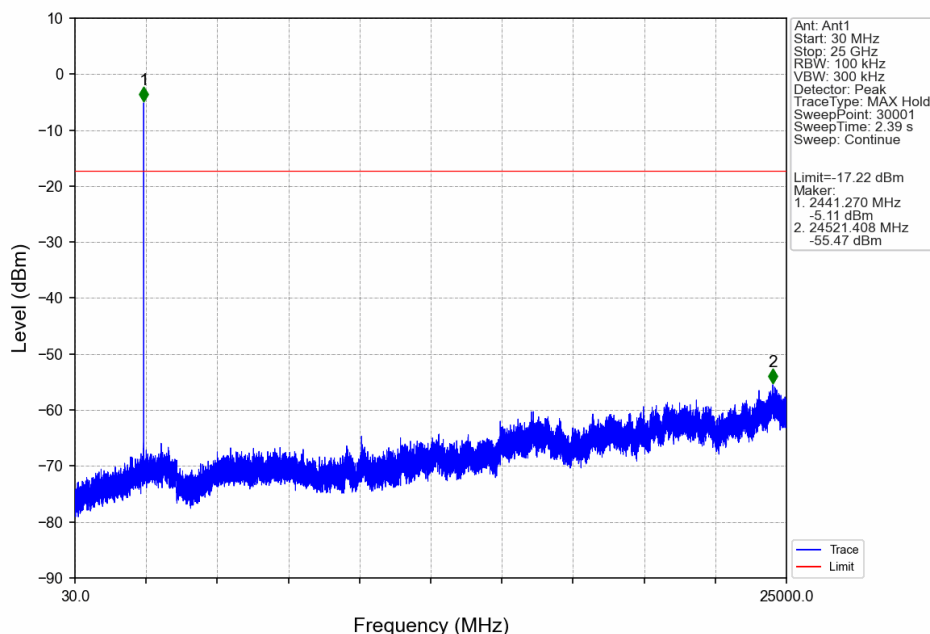
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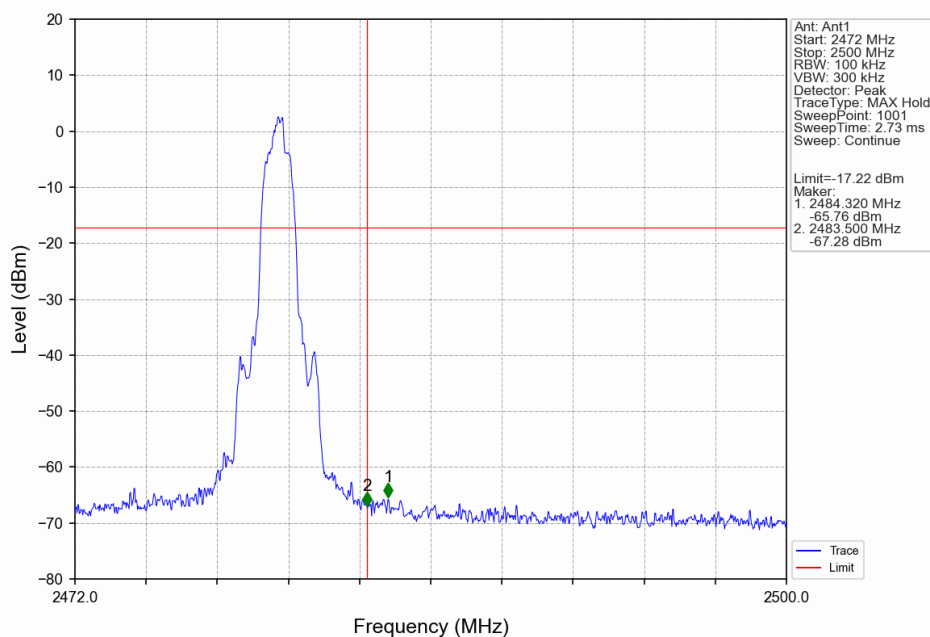
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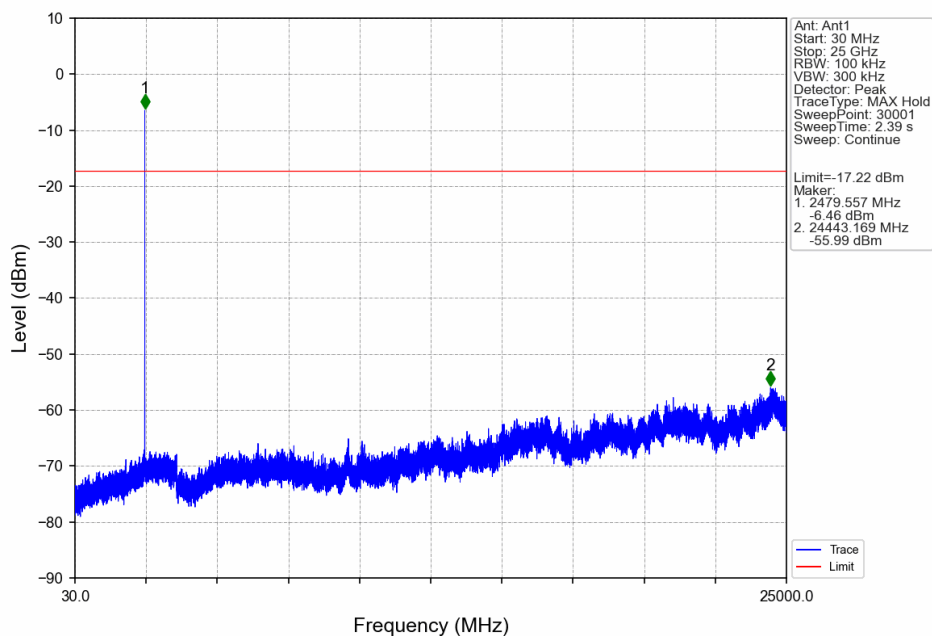


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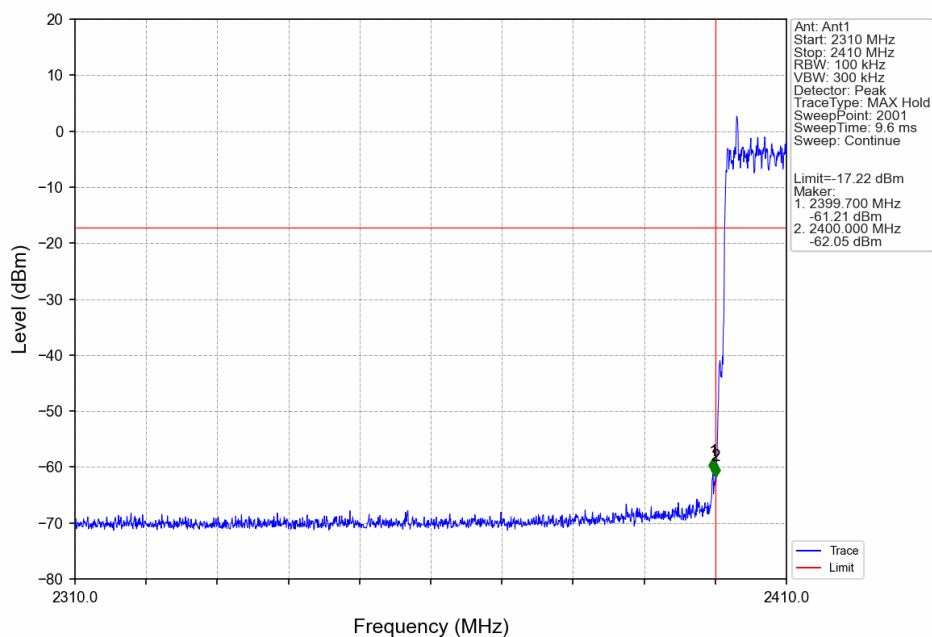




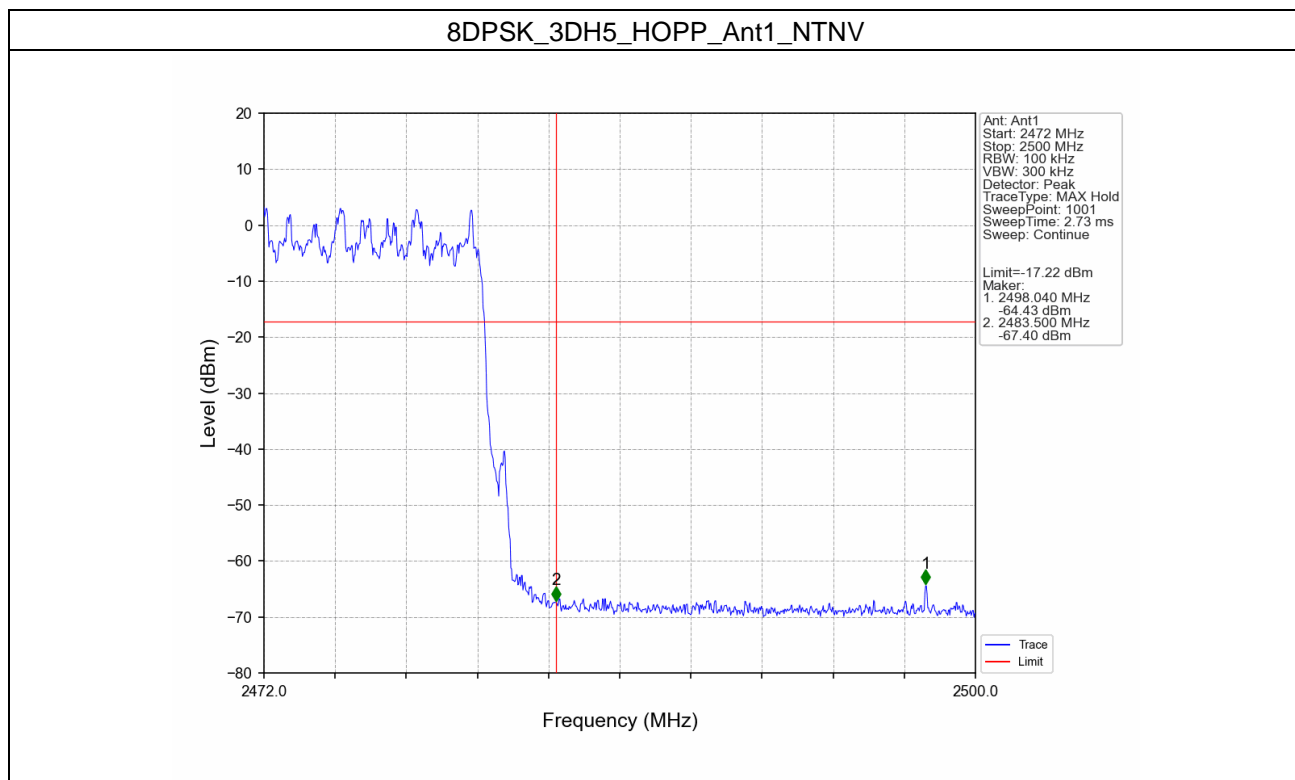
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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







- End of the Report -