

## 10 Appendix

### 1. Bandwidth

#### 1.1 OBW

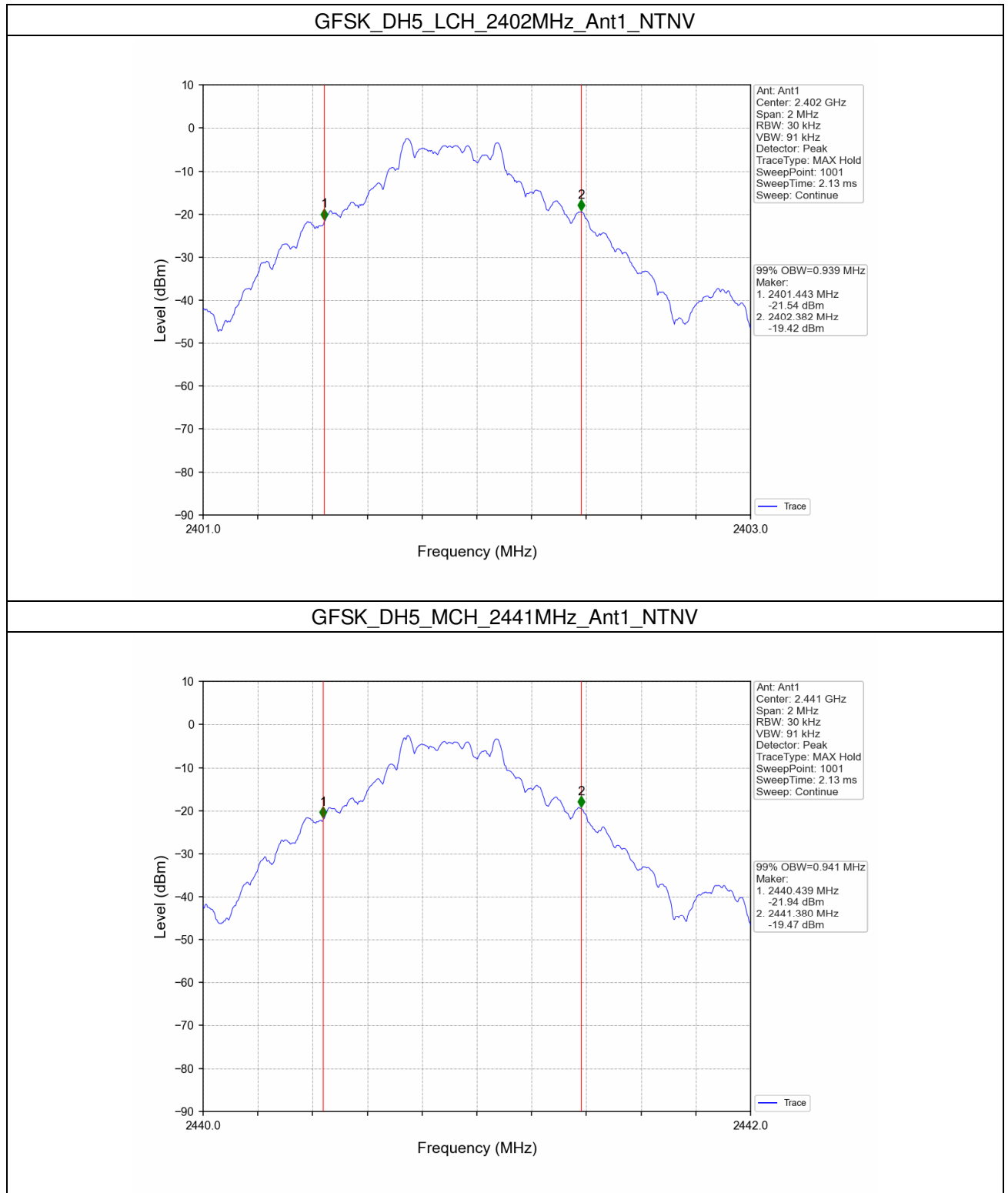
##### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.939	Pass
		2441	DH5	1	0.941	Pass
		2480	DH5	1	0.939	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.159	Pass
		2441	2DH5	1	1.162	Pass
		2480	2DH5	1	1.156	Pass
8DPSK	SISO	2402	3DH5	1	1.163	Pass
		2441	3DH5	1	1.163	Pass
		2480	3DH5	1	1.161	Pass



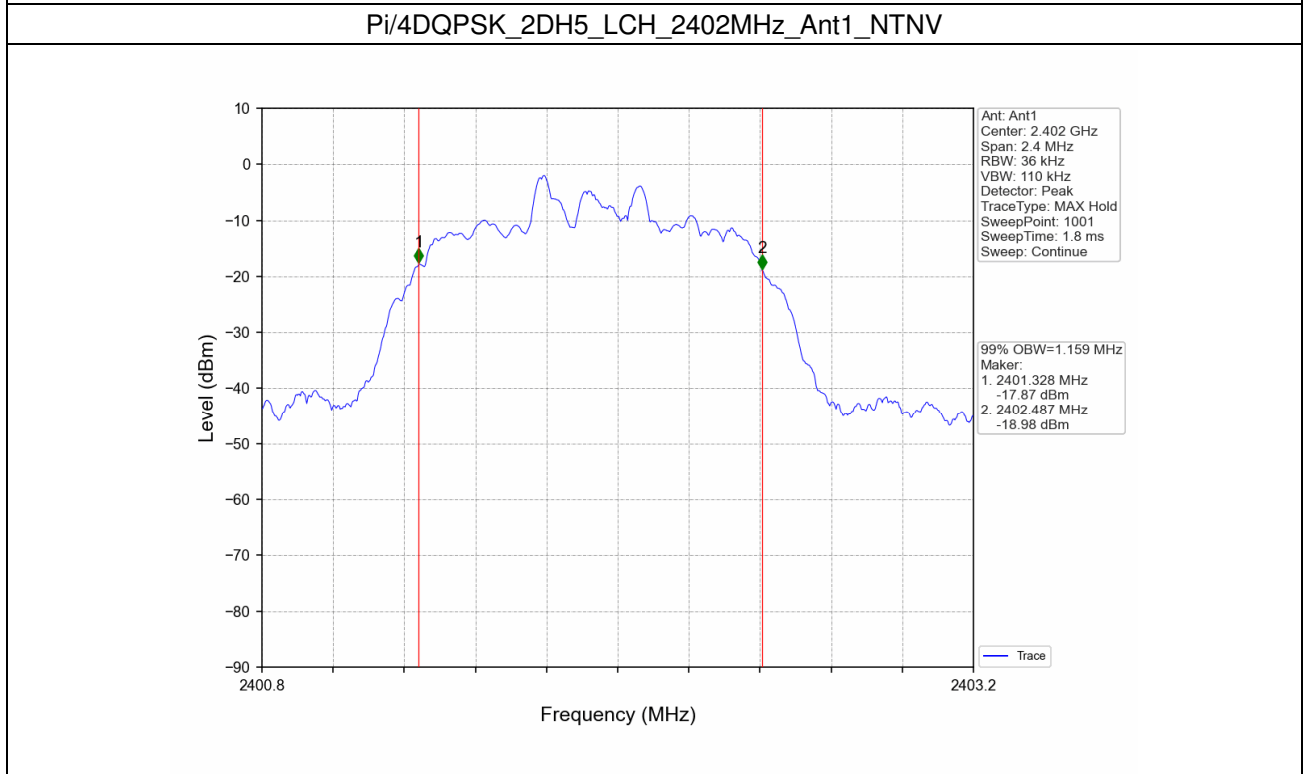
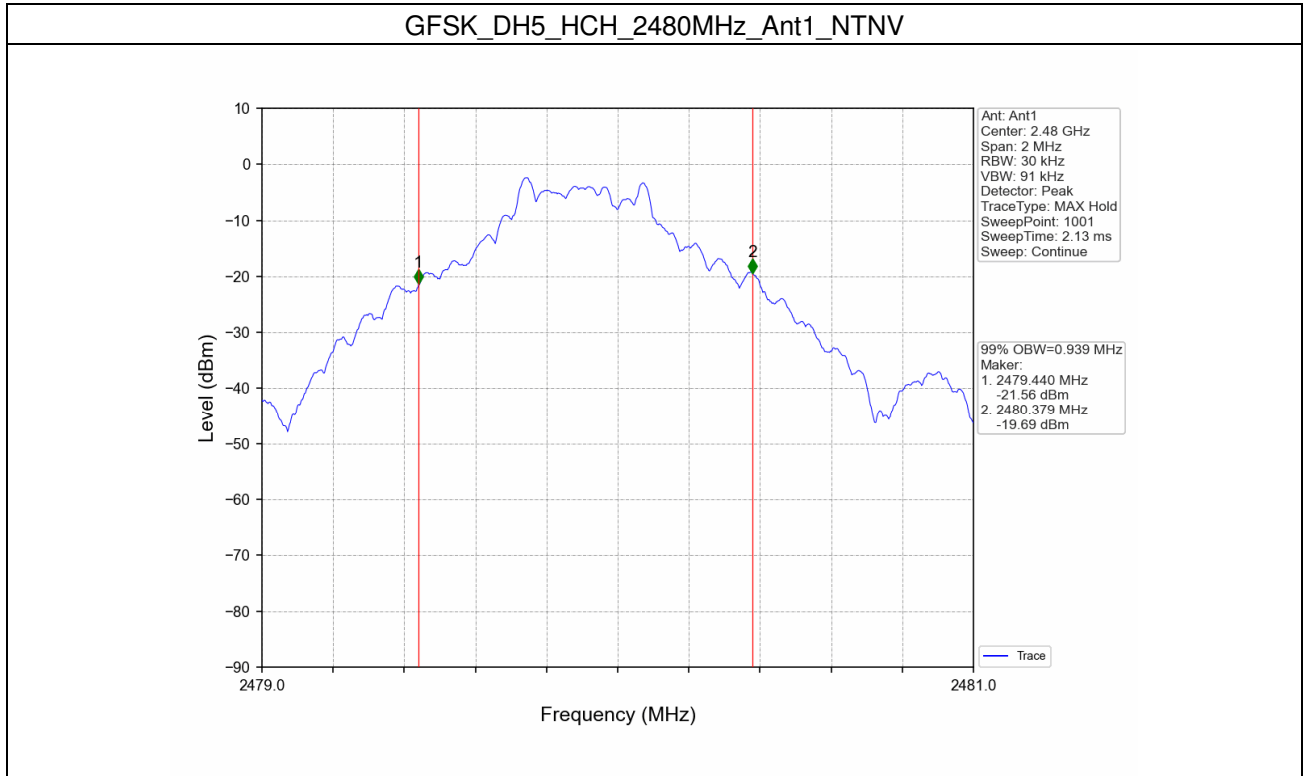
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### 1.1.2 Test Graph



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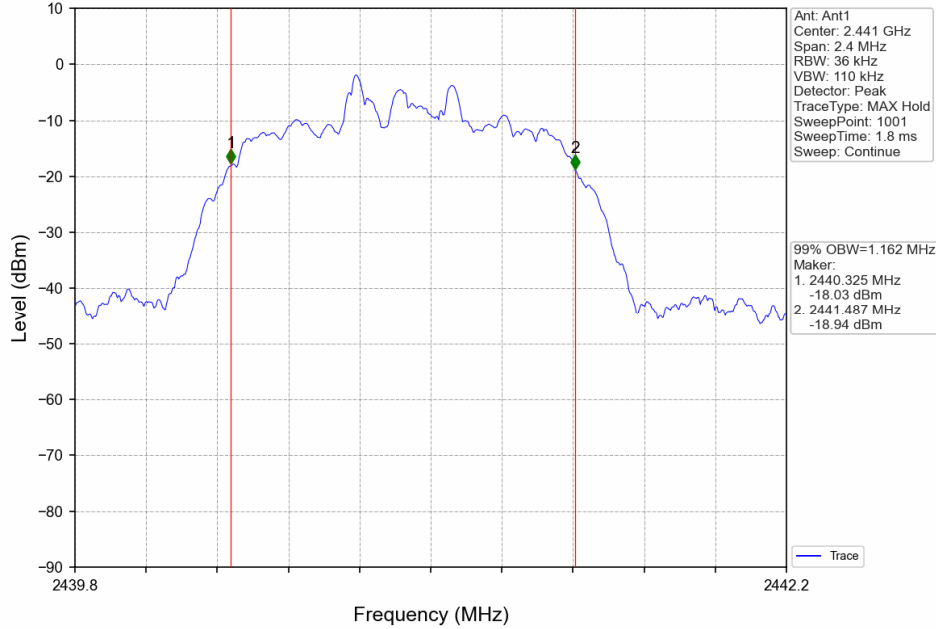


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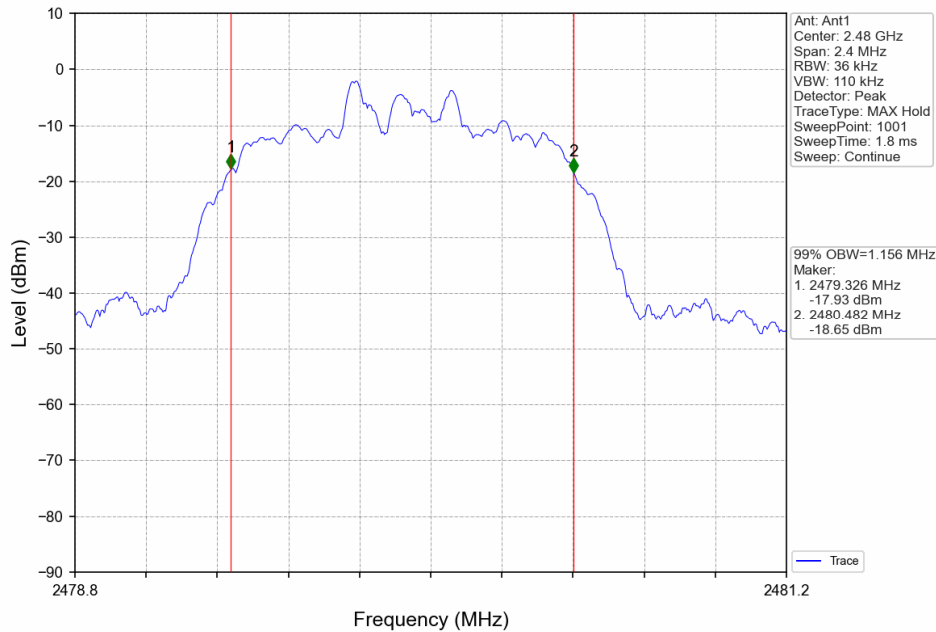
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

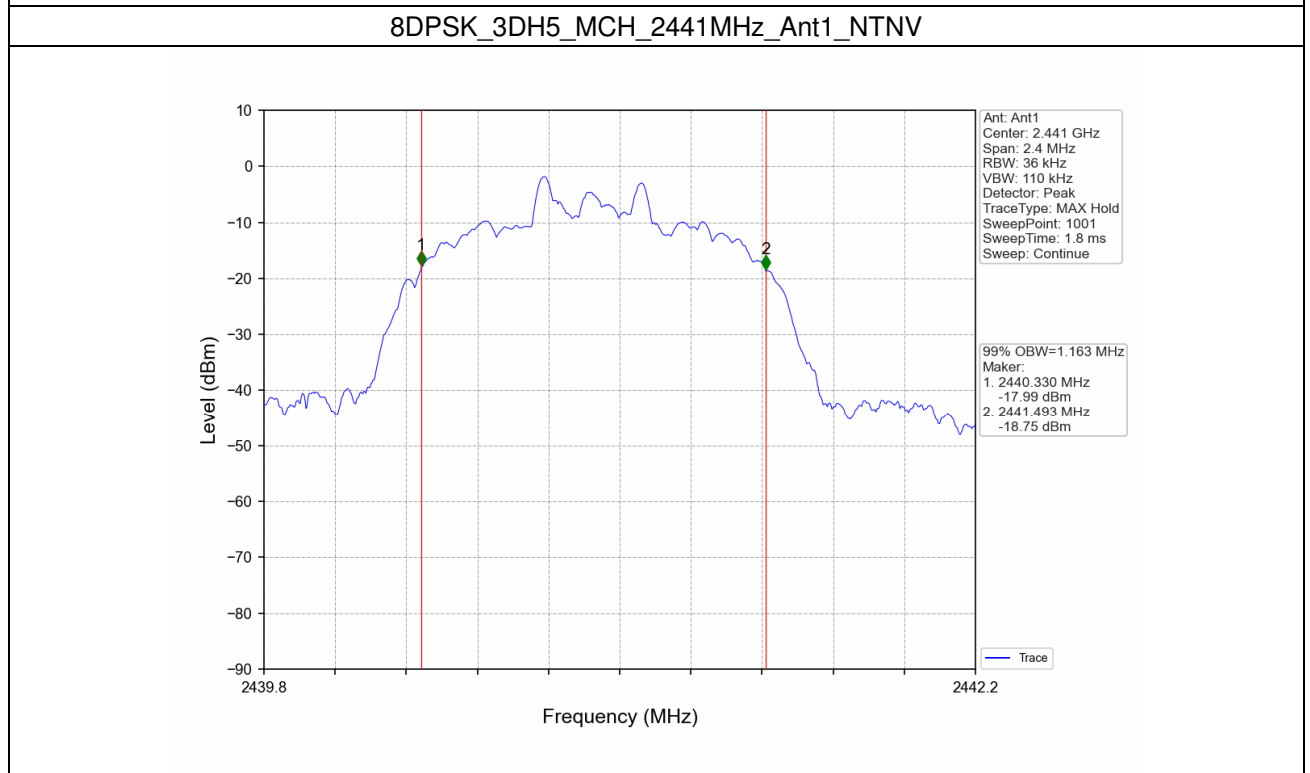
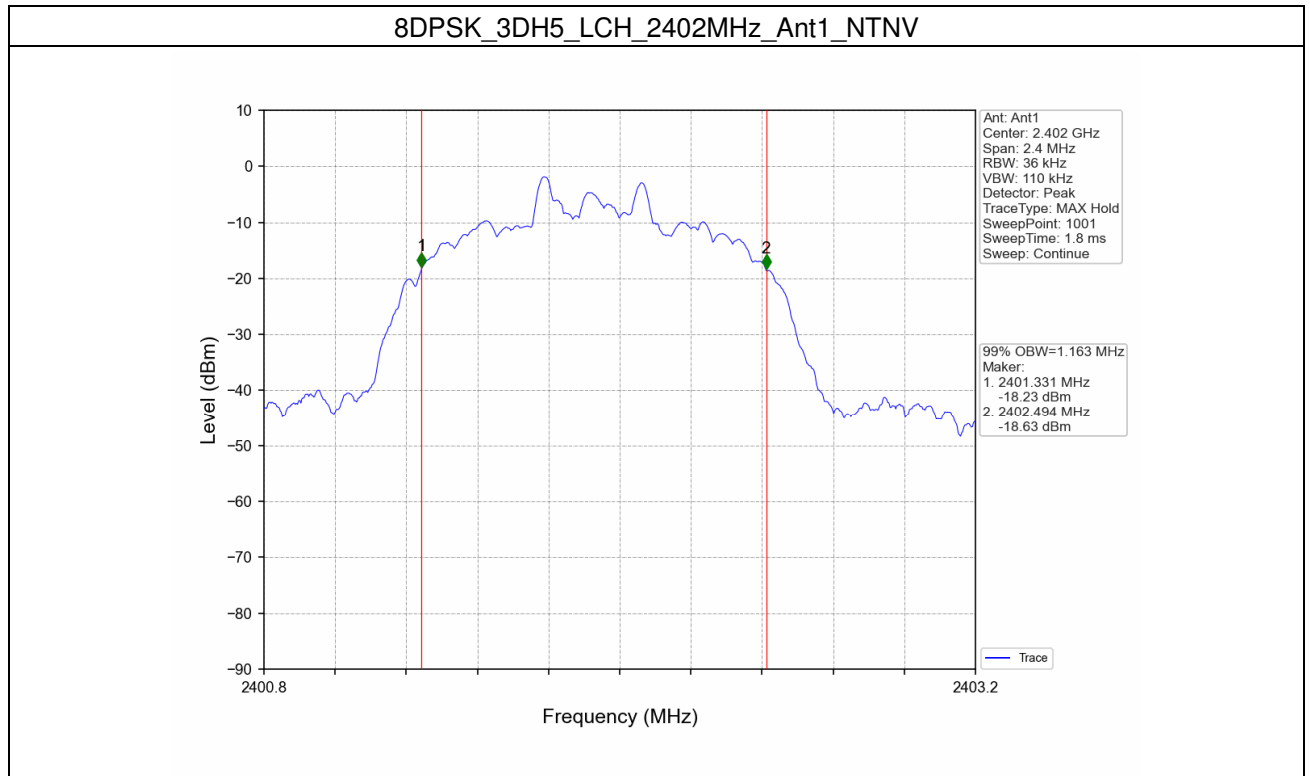


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



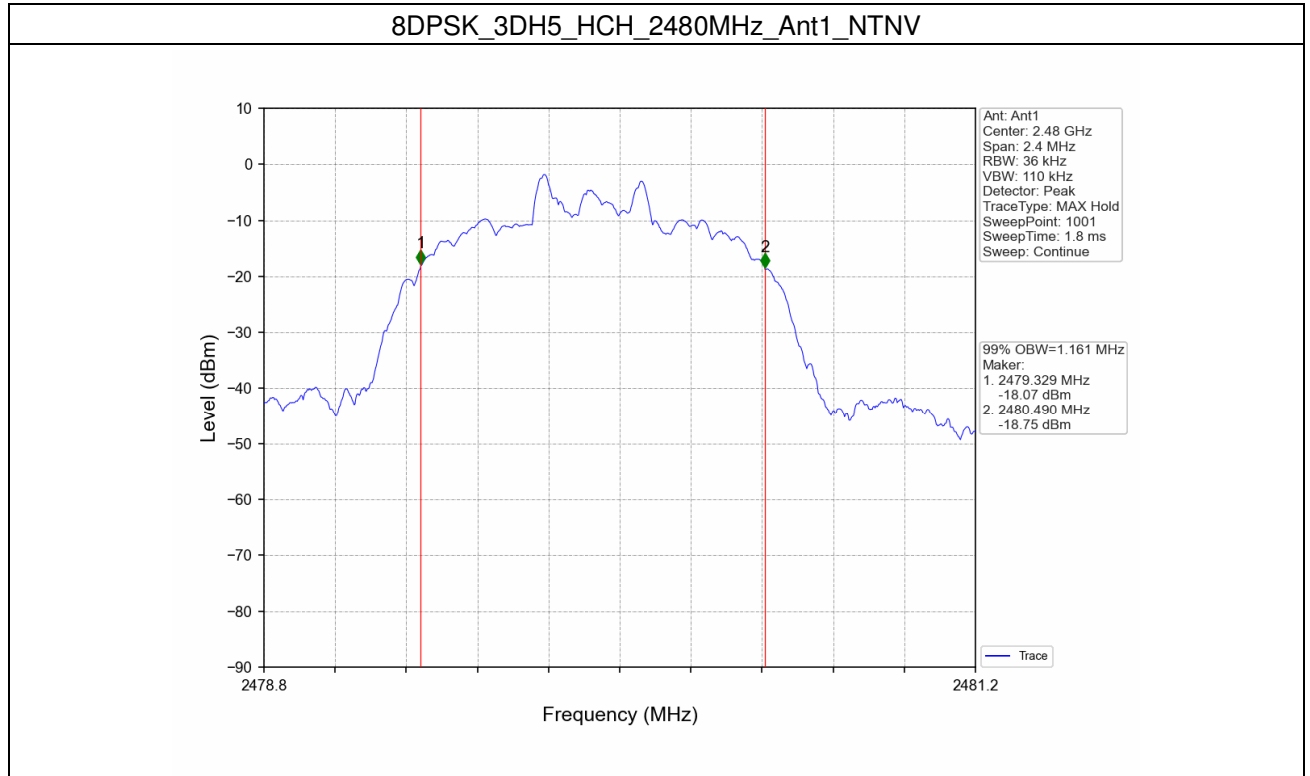
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1.2 20dB BW

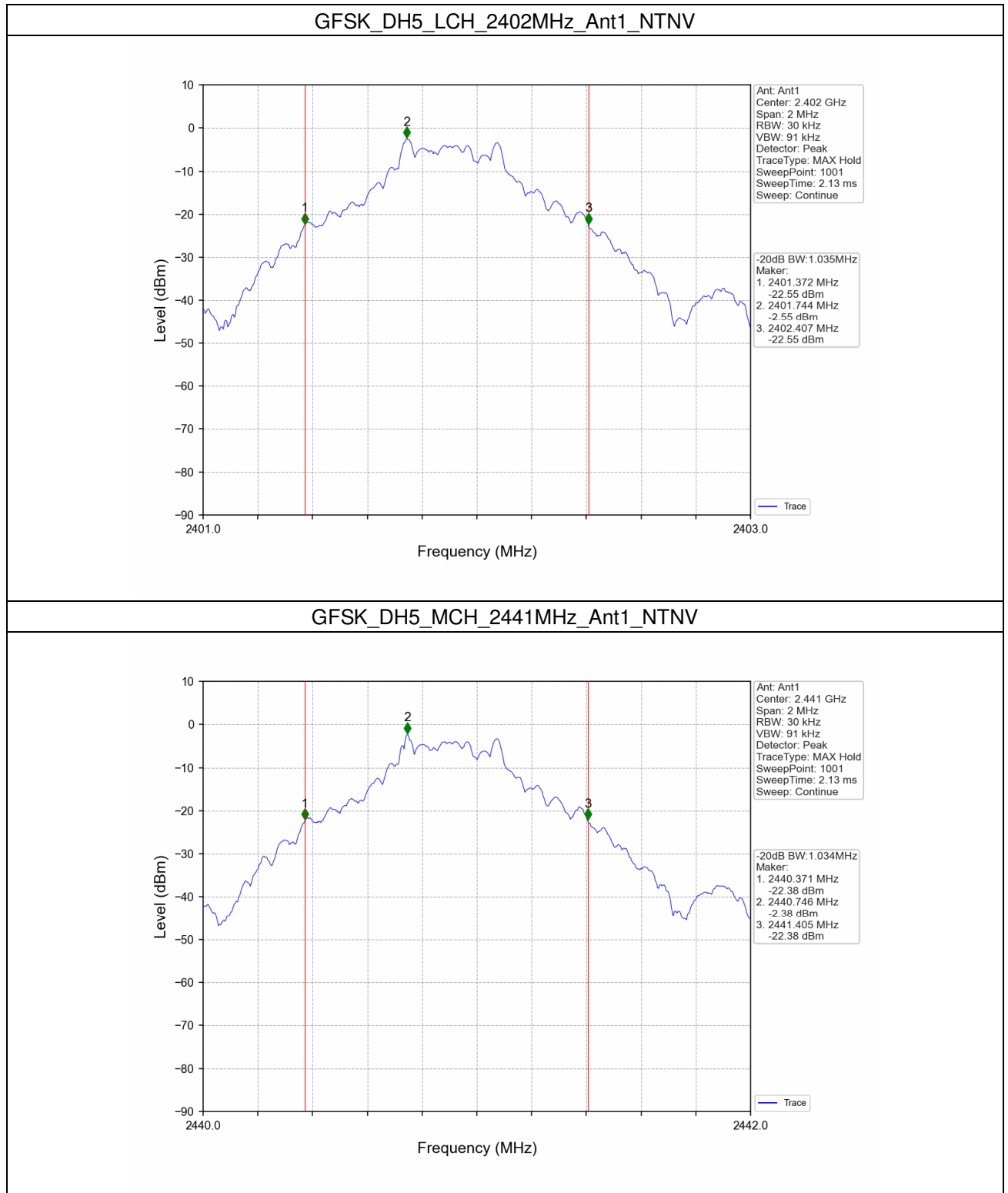
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.035	Pass
		2441	DH5	1	1.034	Pass
		2480	DH5	1	1.039	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.235	Pass
		2441	2DH5	1	1.248	Pass
		2480	2DH5	1	1.243	Pass
8DPSK	SISO	2402	3DH5	1	1.280	Pass
		2441	3DH5	1	1.279	Pass
		2480	3DH5	1	1.278	Pass



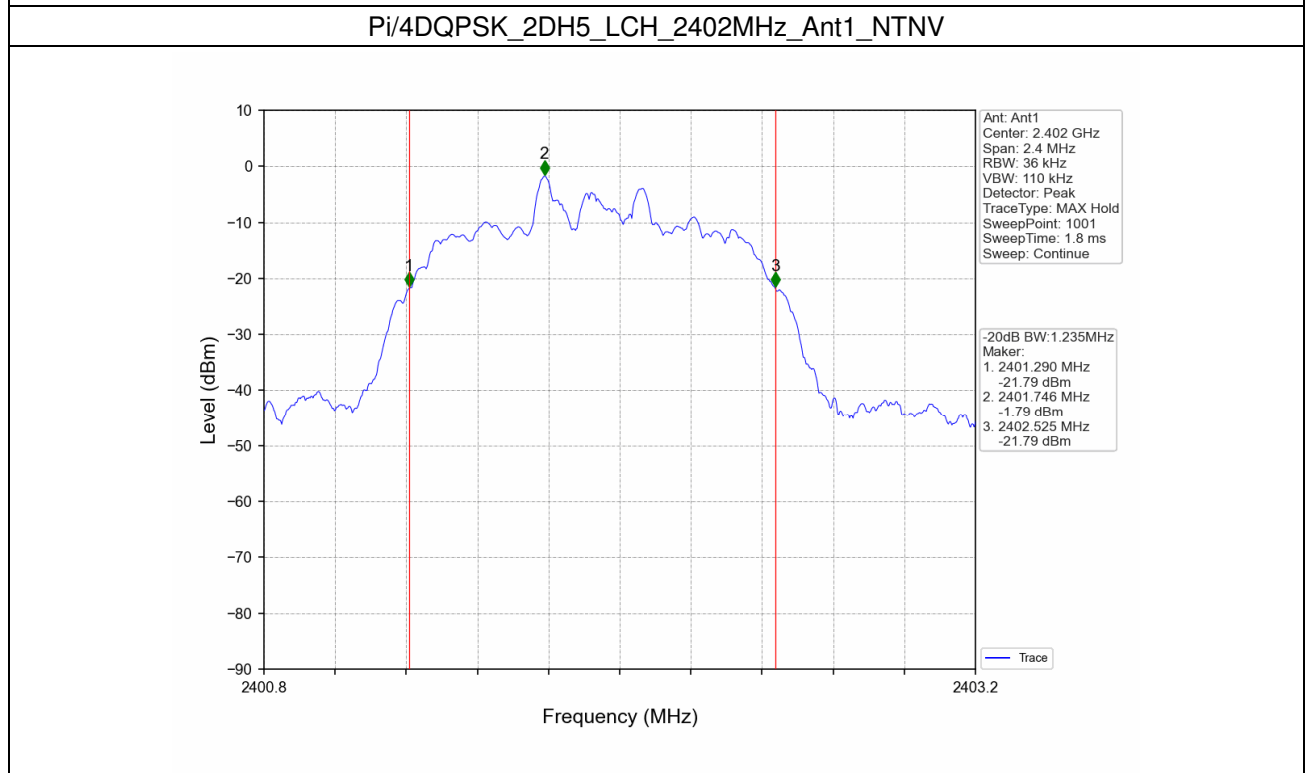
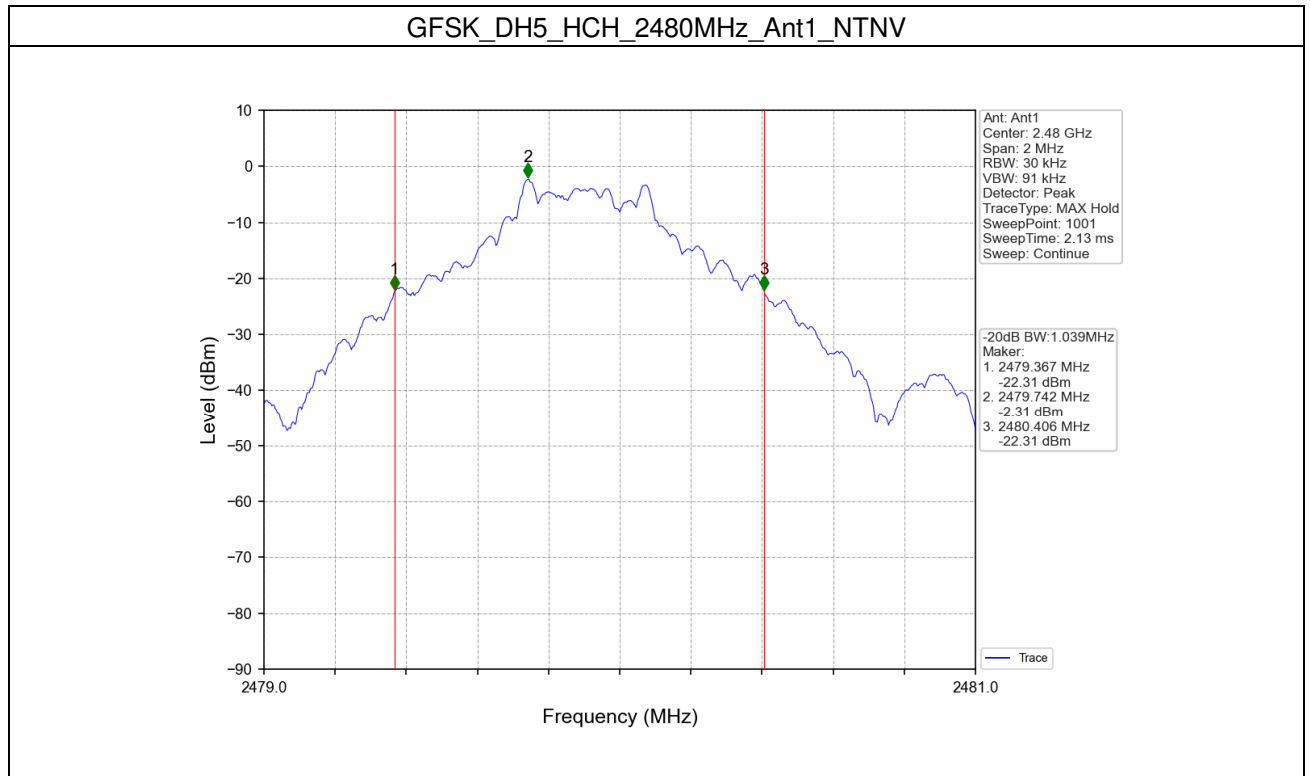
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### 1.2.2 Test Graph



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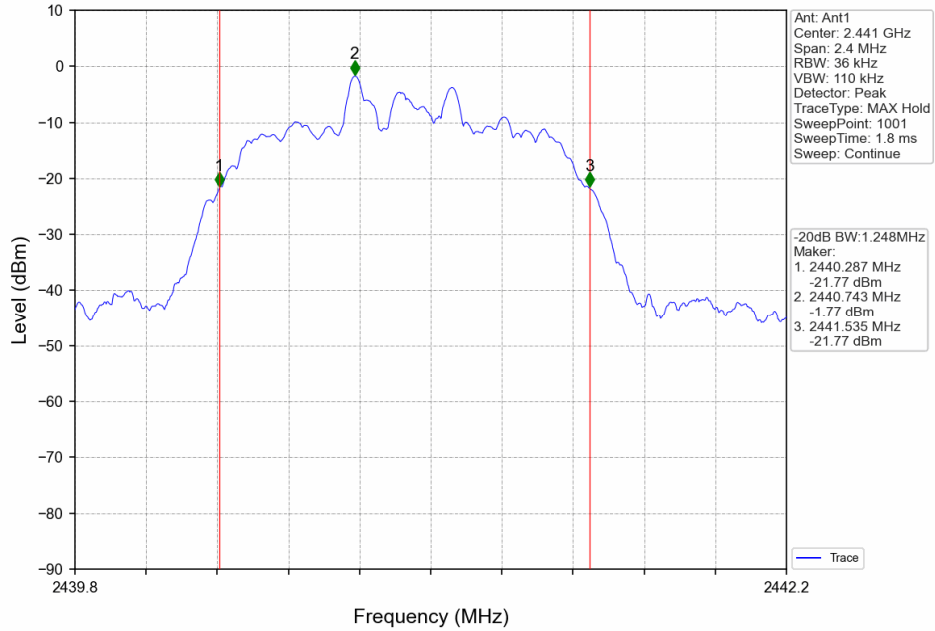




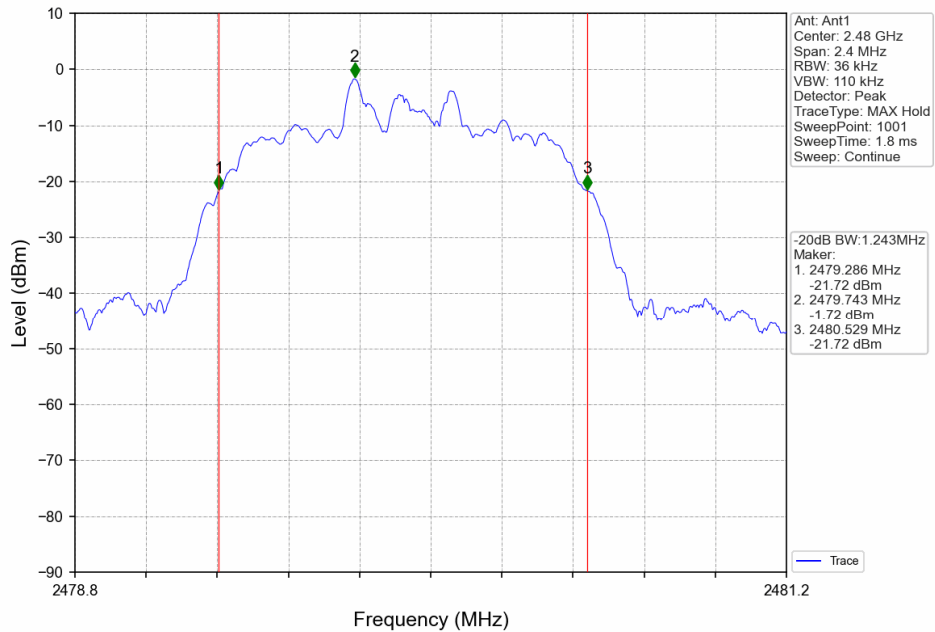
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### Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

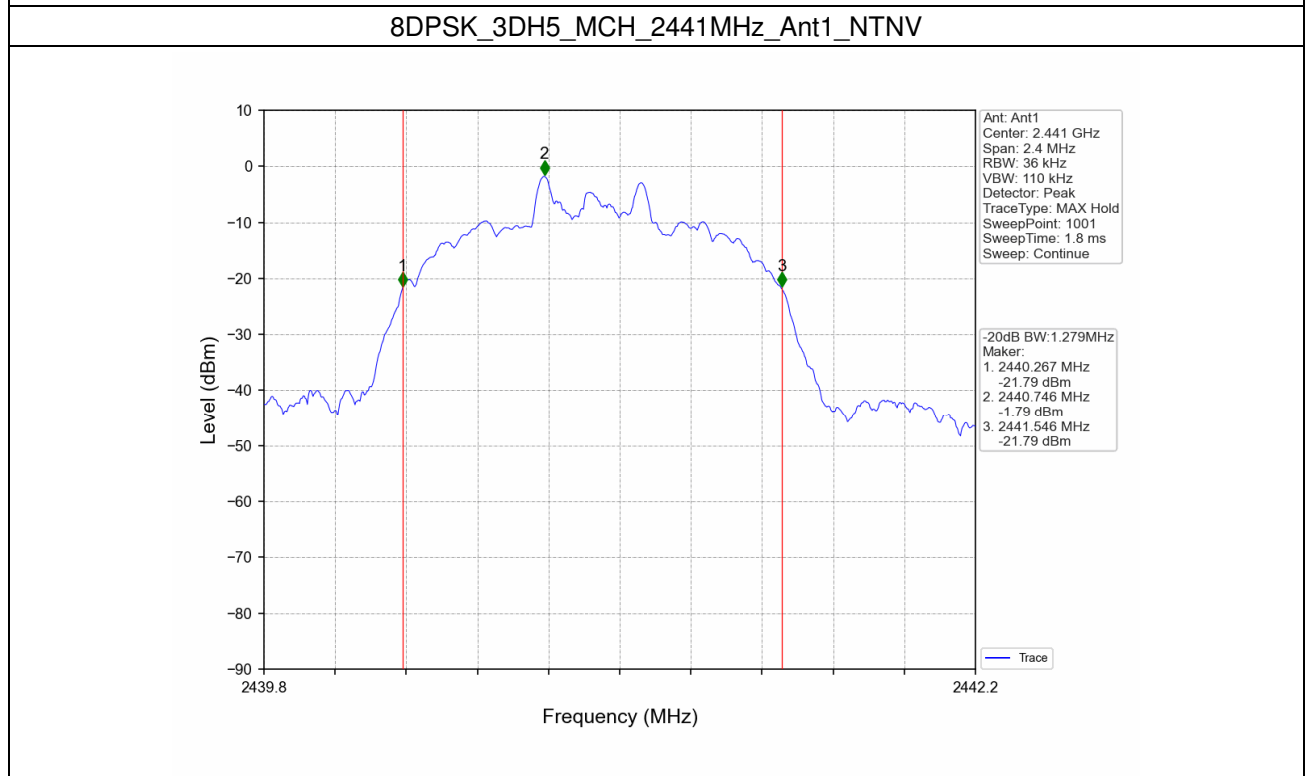
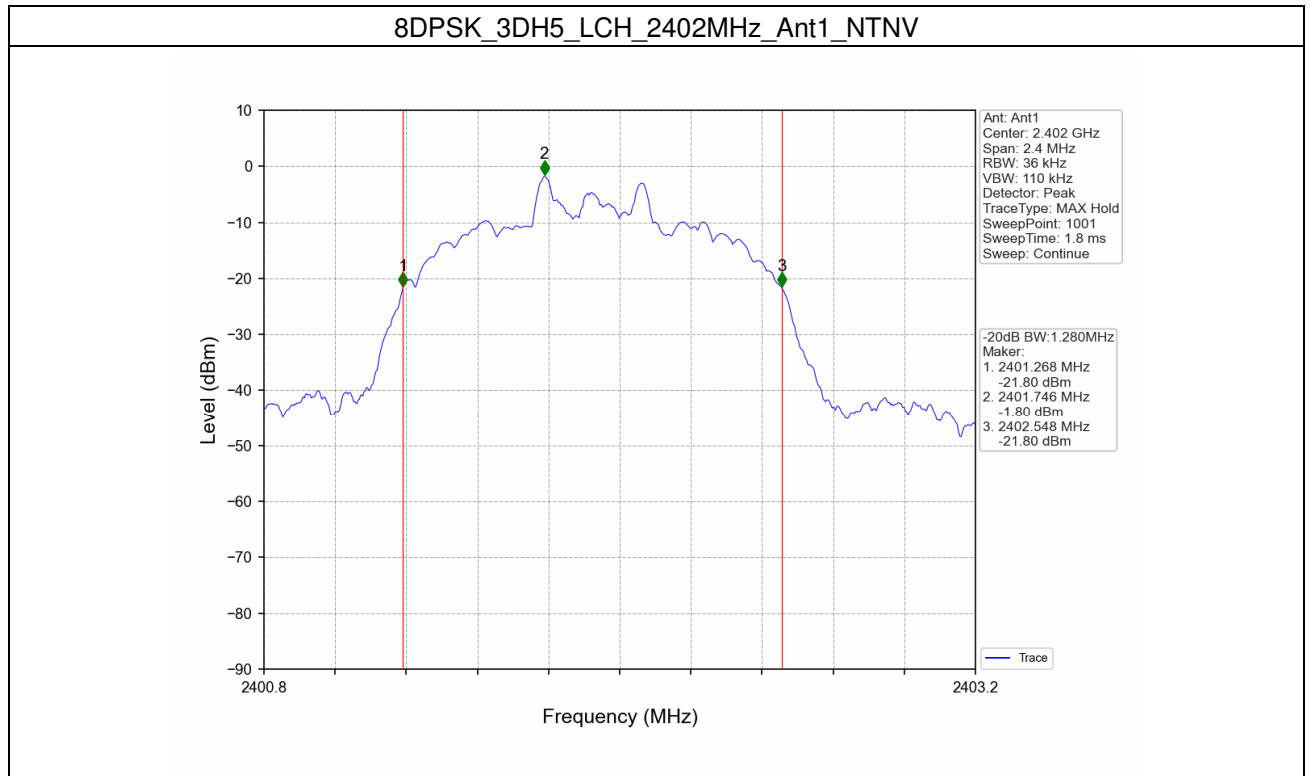


### Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

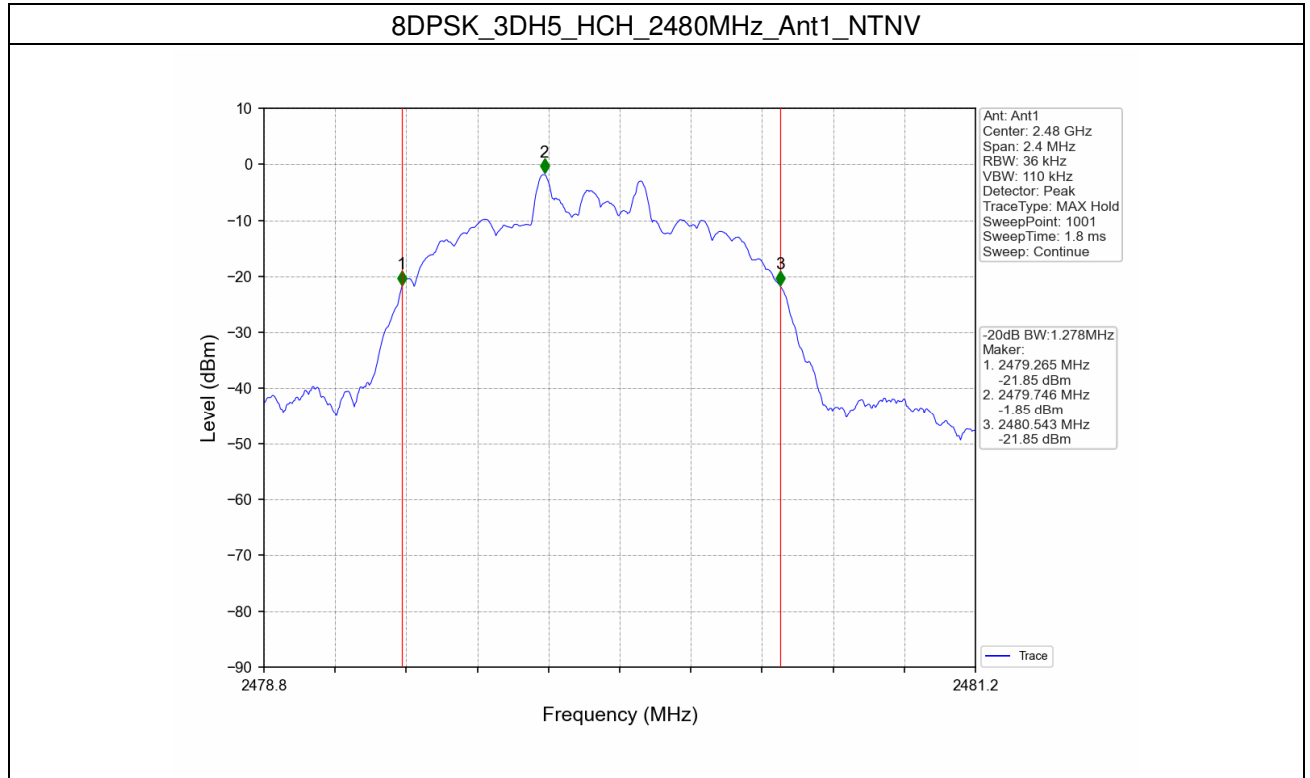


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## 2. Maximum Conducted Output Power

### 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	-1.08	<=20.97	Pass
		2441	DH5	-1.00	<=20.97	Pass
		2480	DH5	-0.93	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	-1.01	<=20.97	Pass
		2441	2DH5	-0.97	<=20.97	Pass
		2480	2DH5	-0.93	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-1.00	<=20.97	Pass
		2441	3DH5	-1.01	<=20.97	Pass
		2480	3DH5	-0.99	<=20.97	Pass

## 3. Carrier Frequency Separation

### 3.1 Ant1

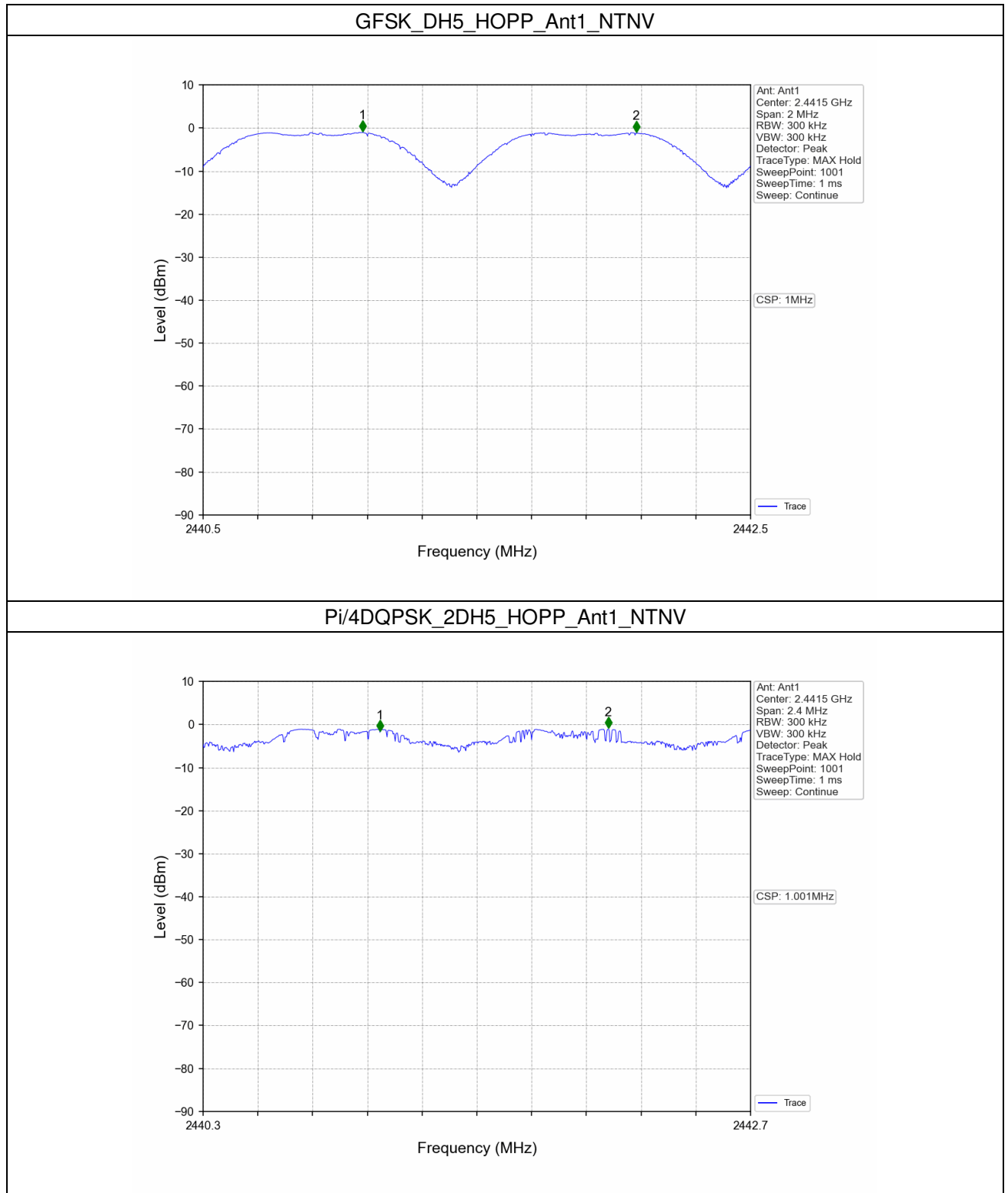
#### 3.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	1.039	>=0.693	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.248	>=0.832	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.280	>=0.853	Pass



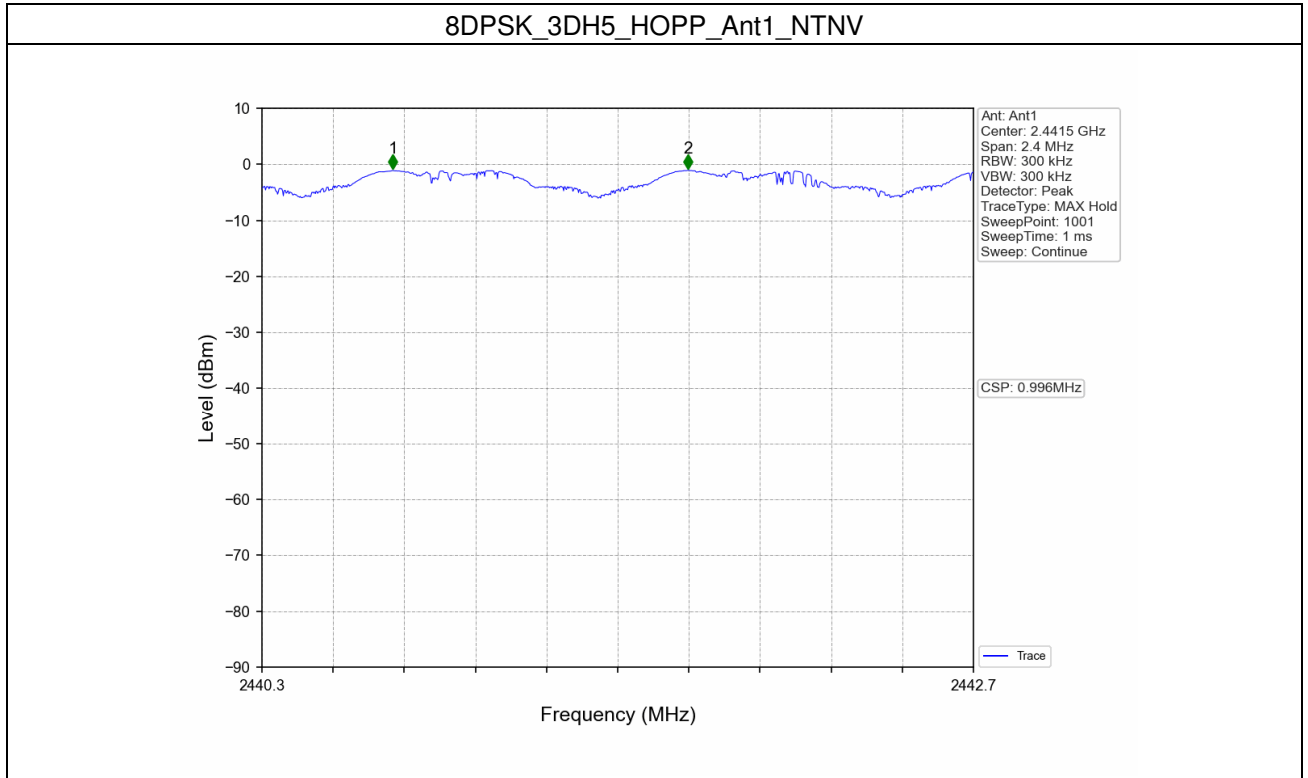
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### 3.1.2 Test Graph



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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	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

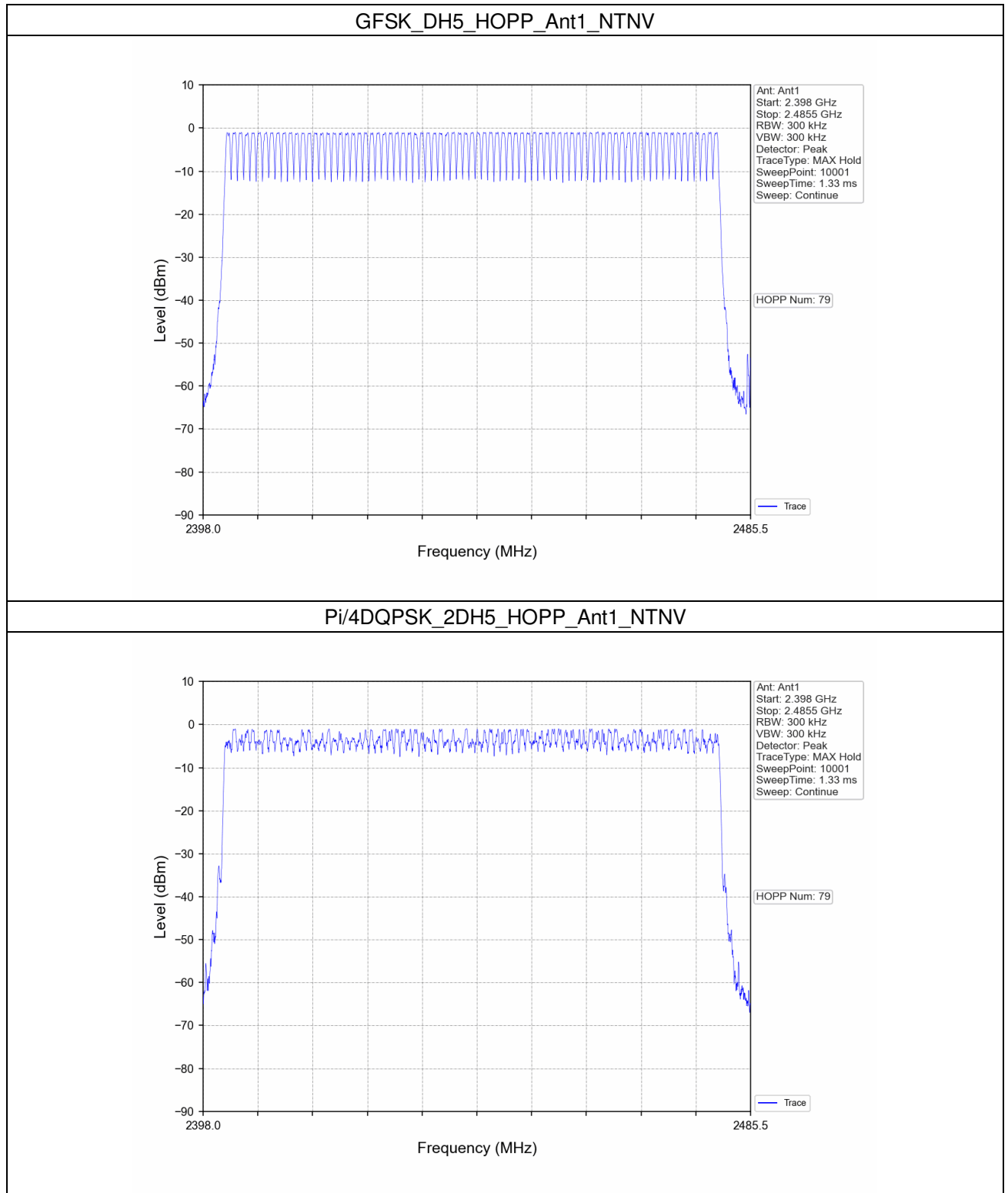


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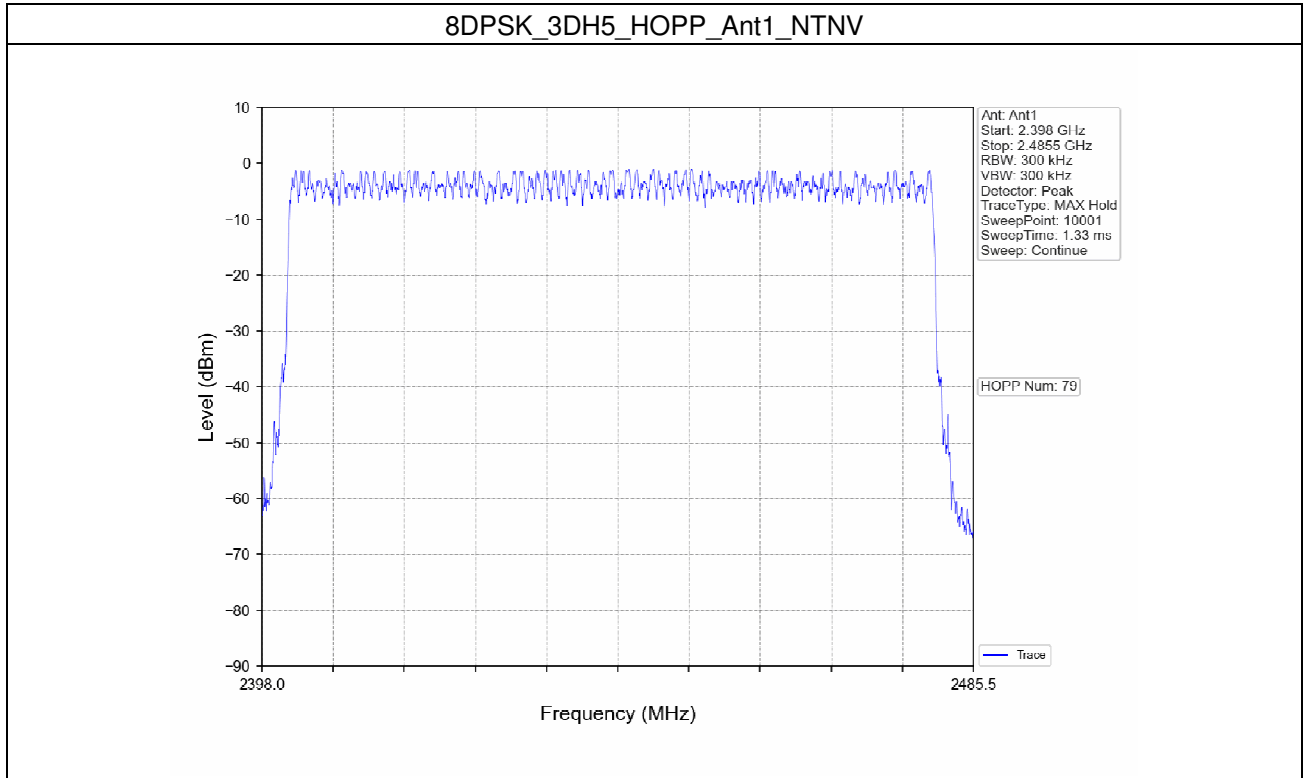


### 4.1.2 Test Graph



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## 5. Time of Occupancy (Dwell Time)

### 5.1 Ant1

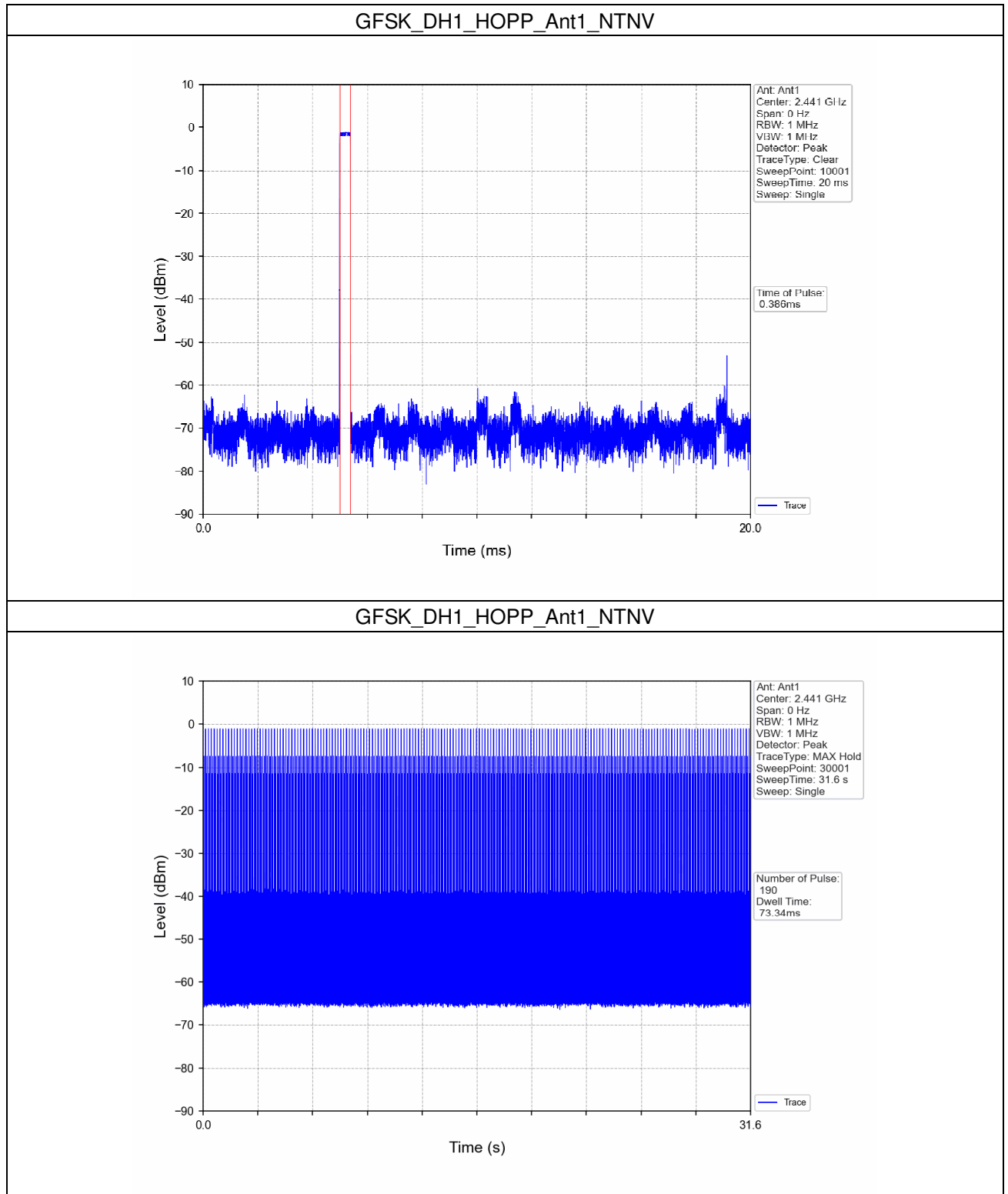
#### 5.1.1 Test Result

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	0.386	31.600	190	73.340	<=400	Pass
			DH3	1.644	31.600	183	300.852	<=400	Pass
			DH5	2.892	31.600	130	375.960	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	327	126.876	<=400	Pass
			2DH3	1.638	31.600	164	268.632	<=400	Pass
			2DH5	2.886	31.600	118	340.548	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.386	31.600	397	153.242	<=400	Pass
			3DH3	1.638	31.600	206	337.428	<=400	Pass
			3DH5	2.888	31.600	107	309.016	<=400	Pass



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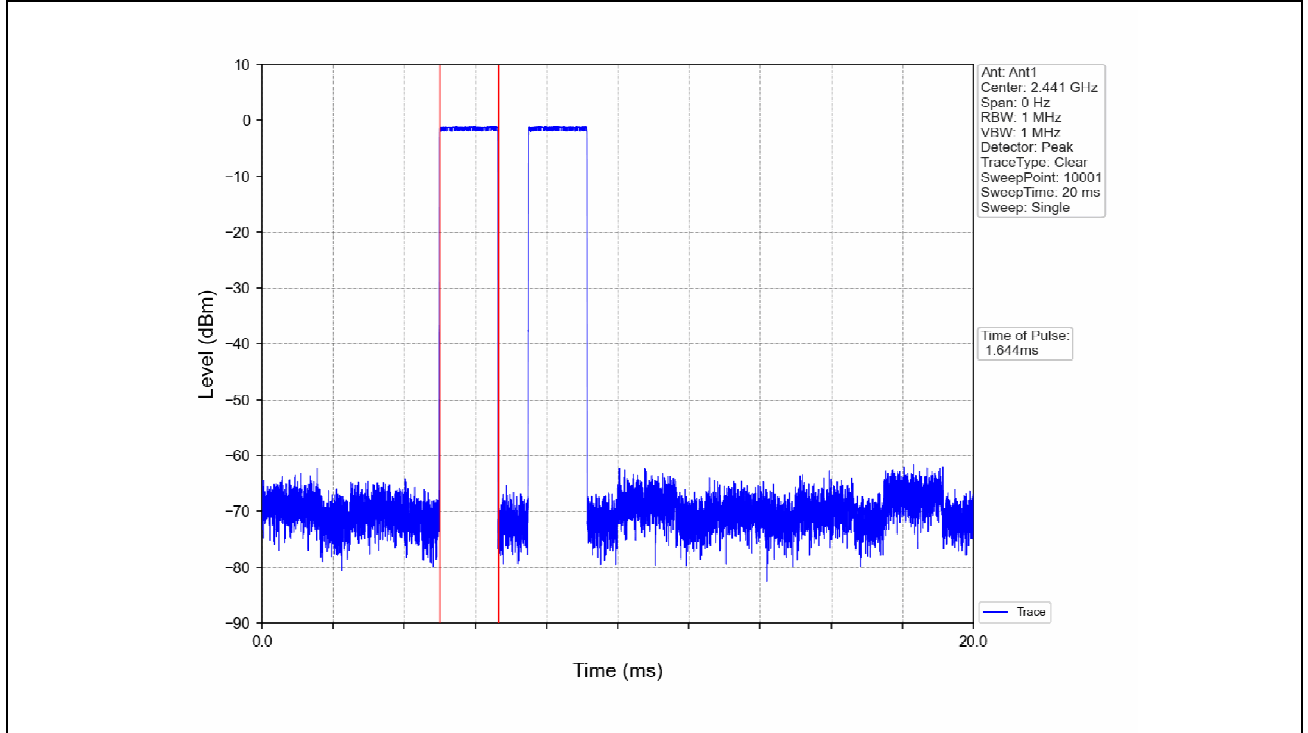
### 5.1.2 Test Graph



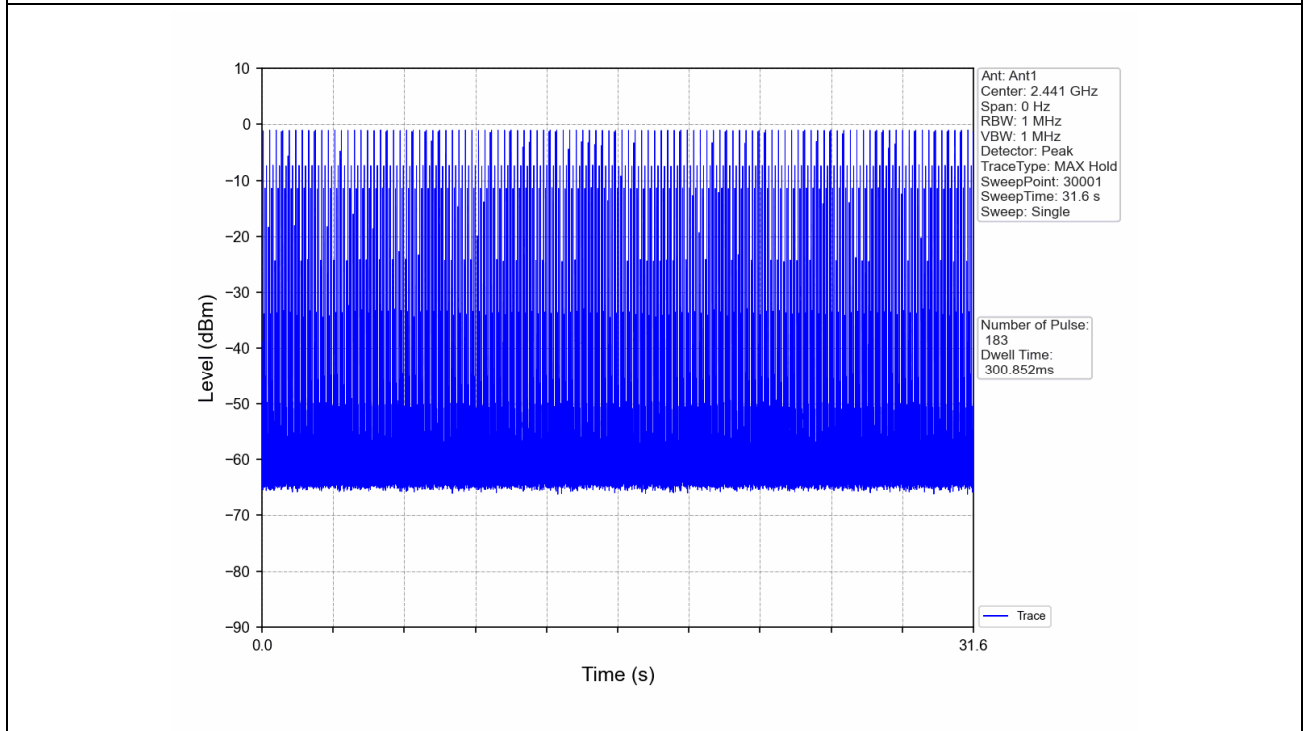
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GFSK\_DH3\_HOPP\_Ant1\_NTNV



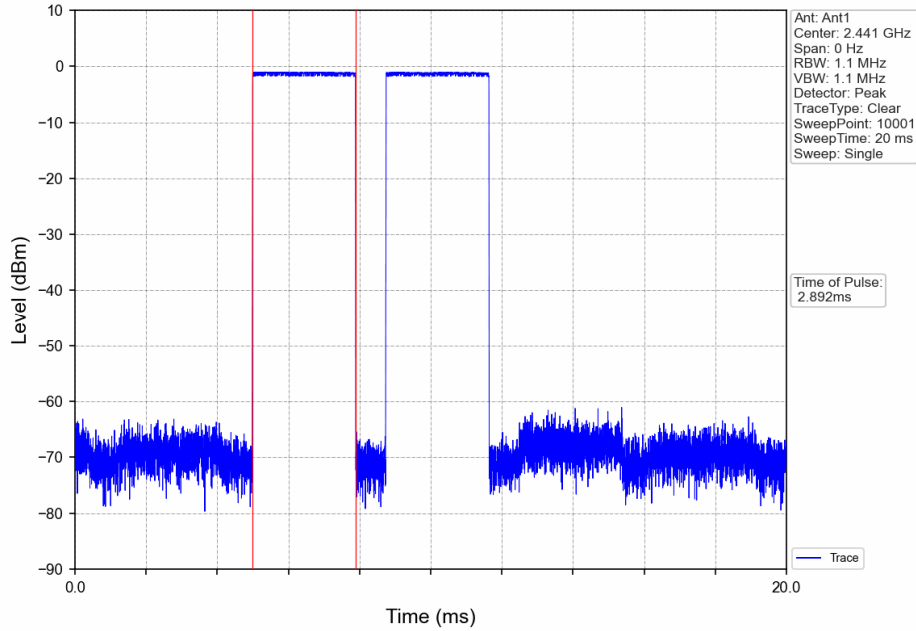
GFSK\_DH3\_HOPP\_Ant1\_NTNV



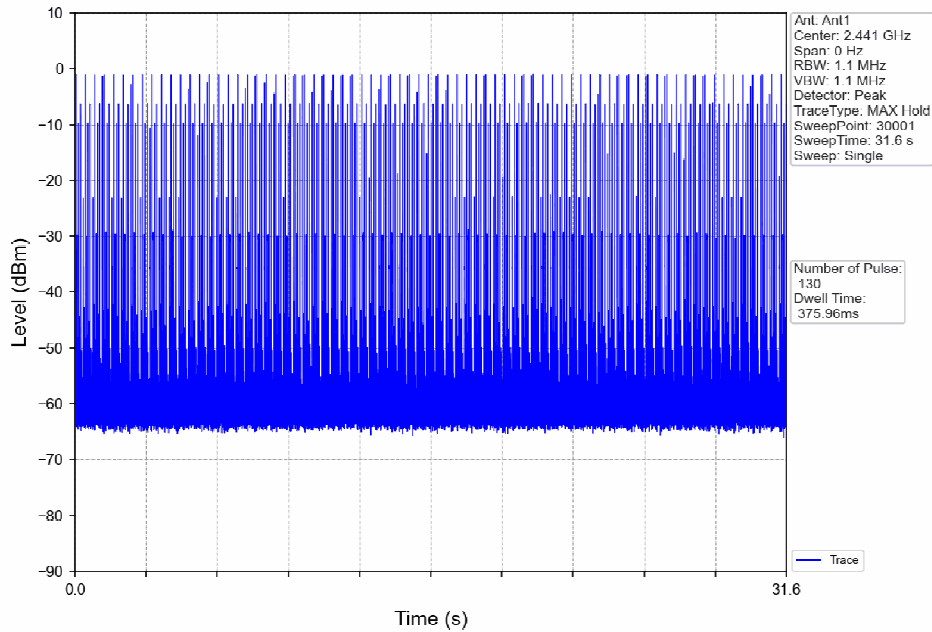
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GFSK\_DH5\_HOPP\_Ant1\_NTNV

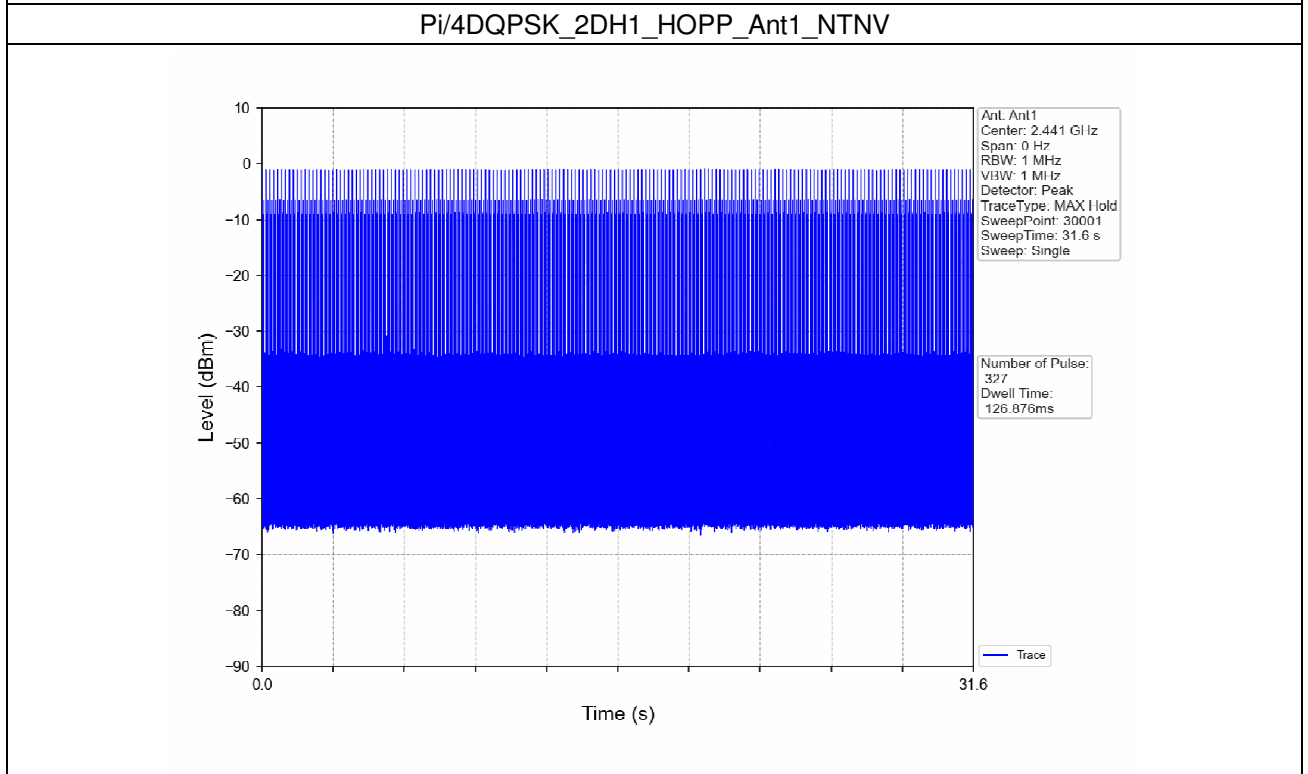
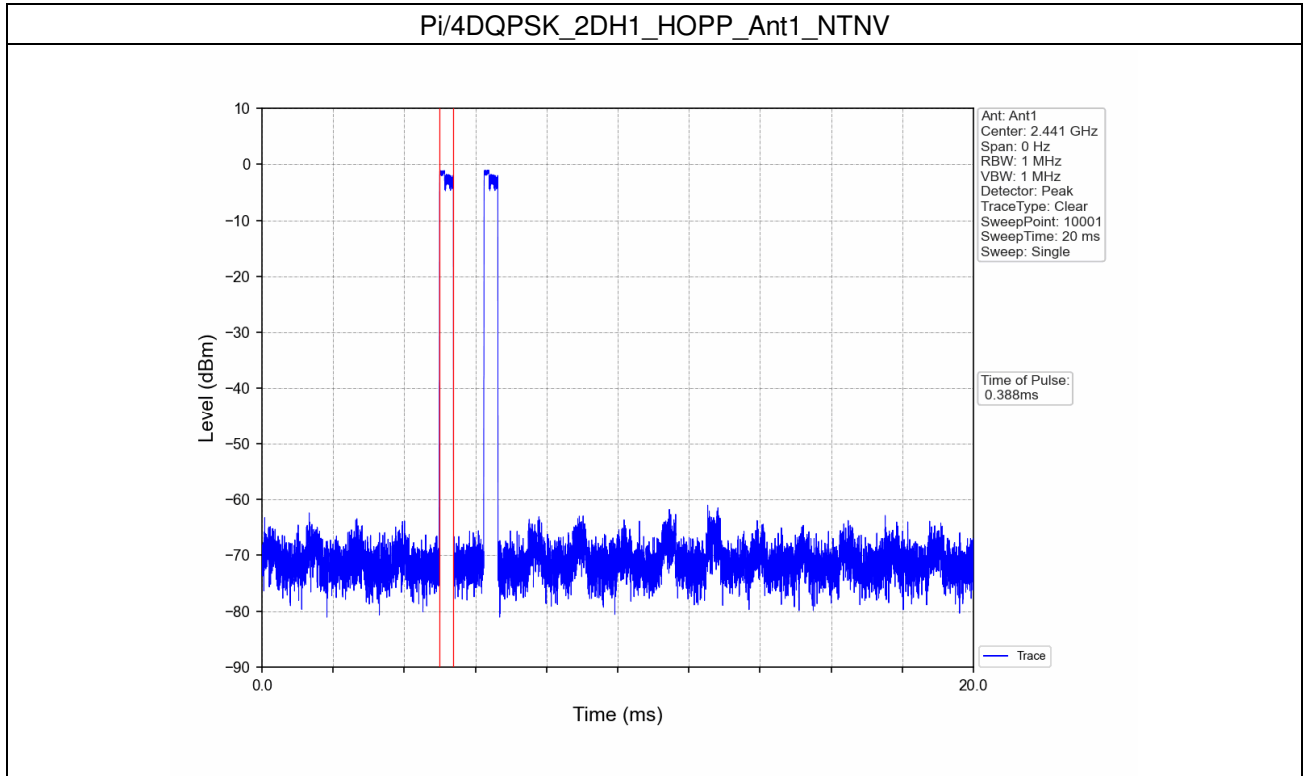


GFSK\_DH5\_HOPP\_Ant1\_NTNV



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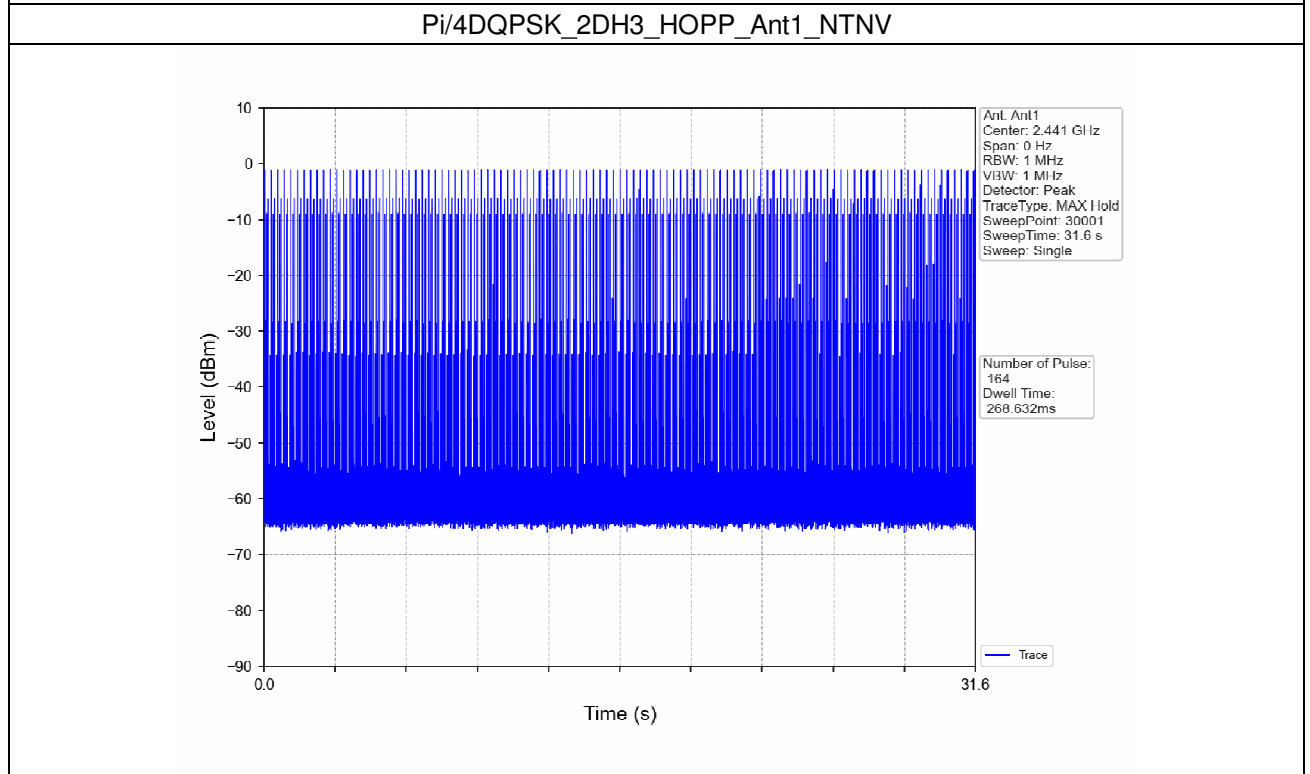
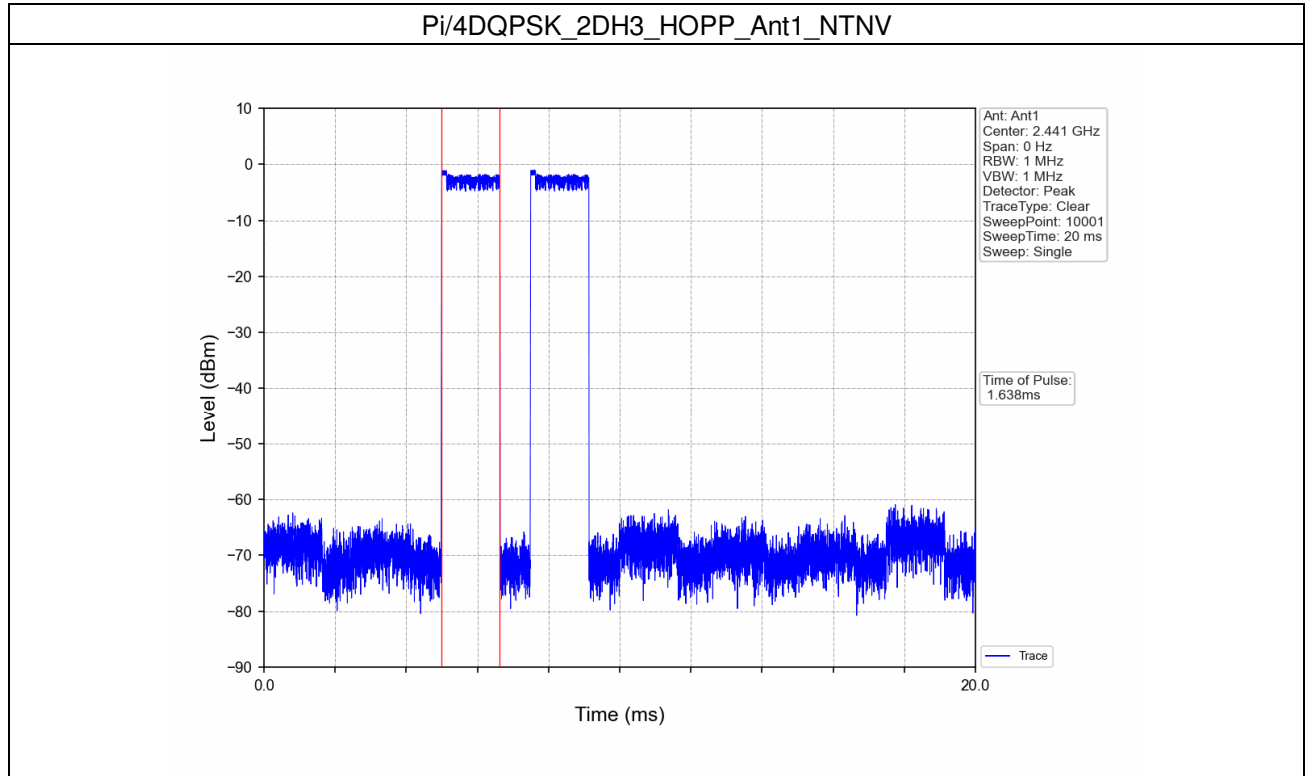
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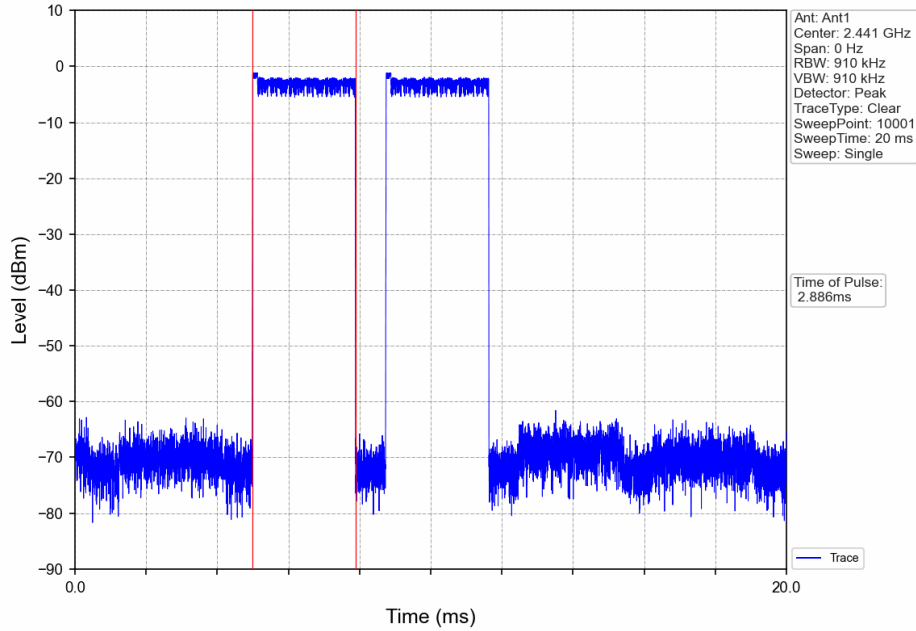


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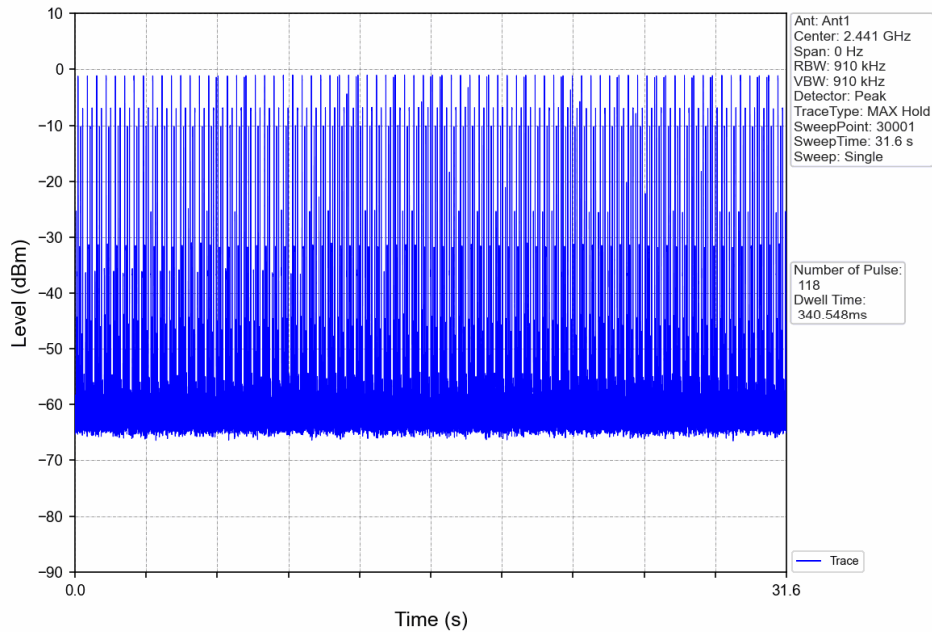
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Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV

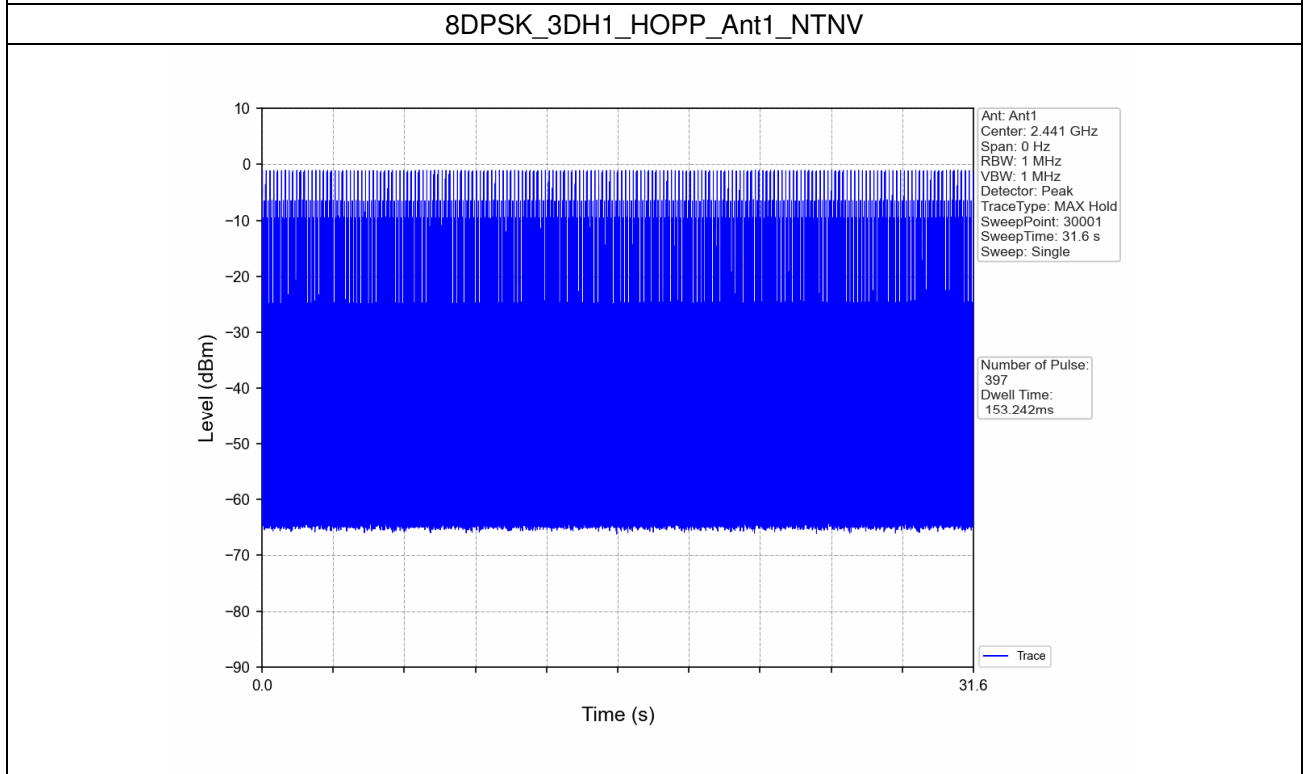
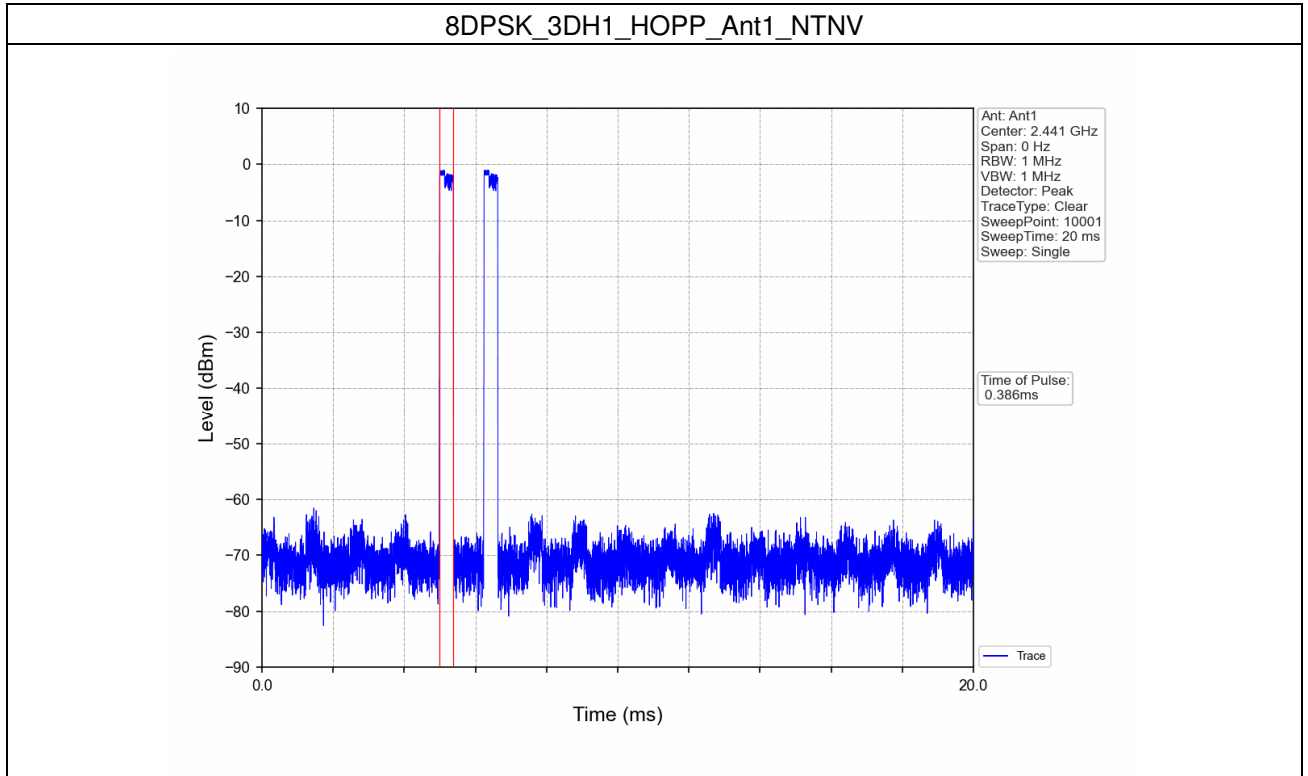


Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



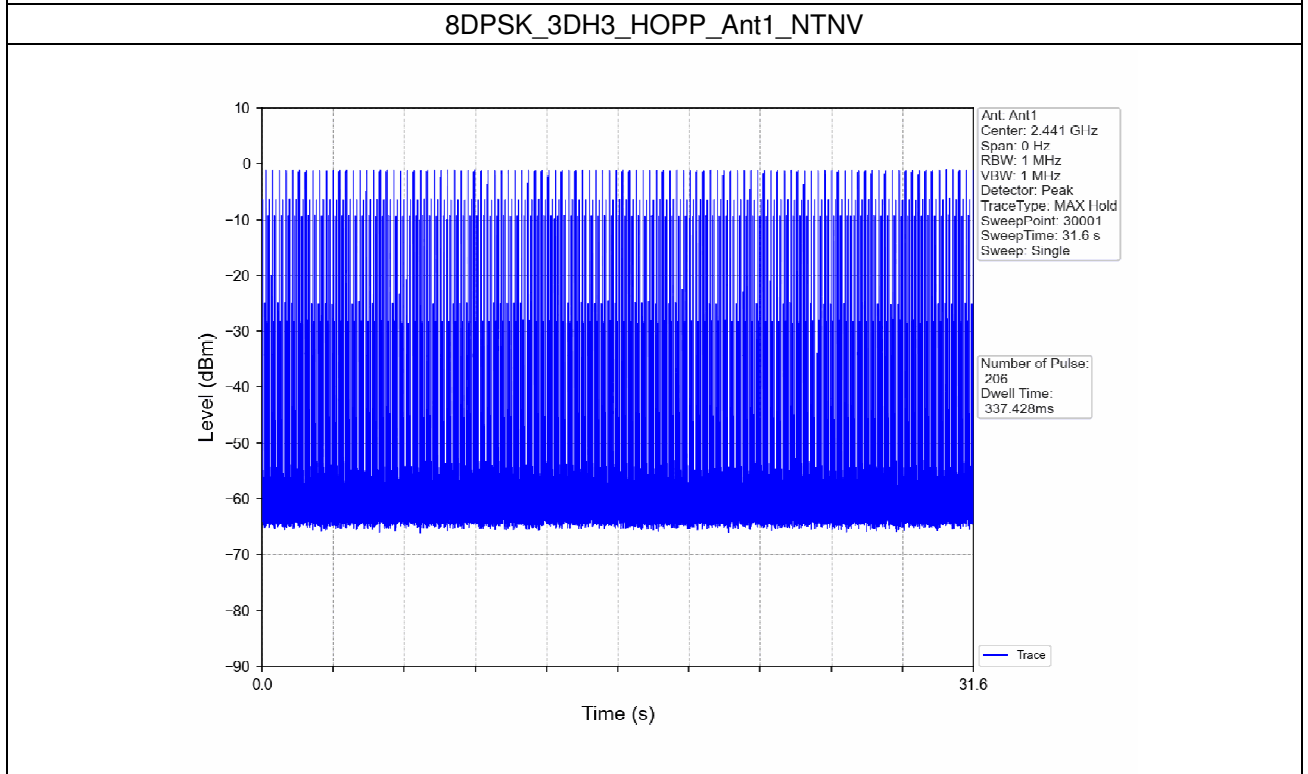
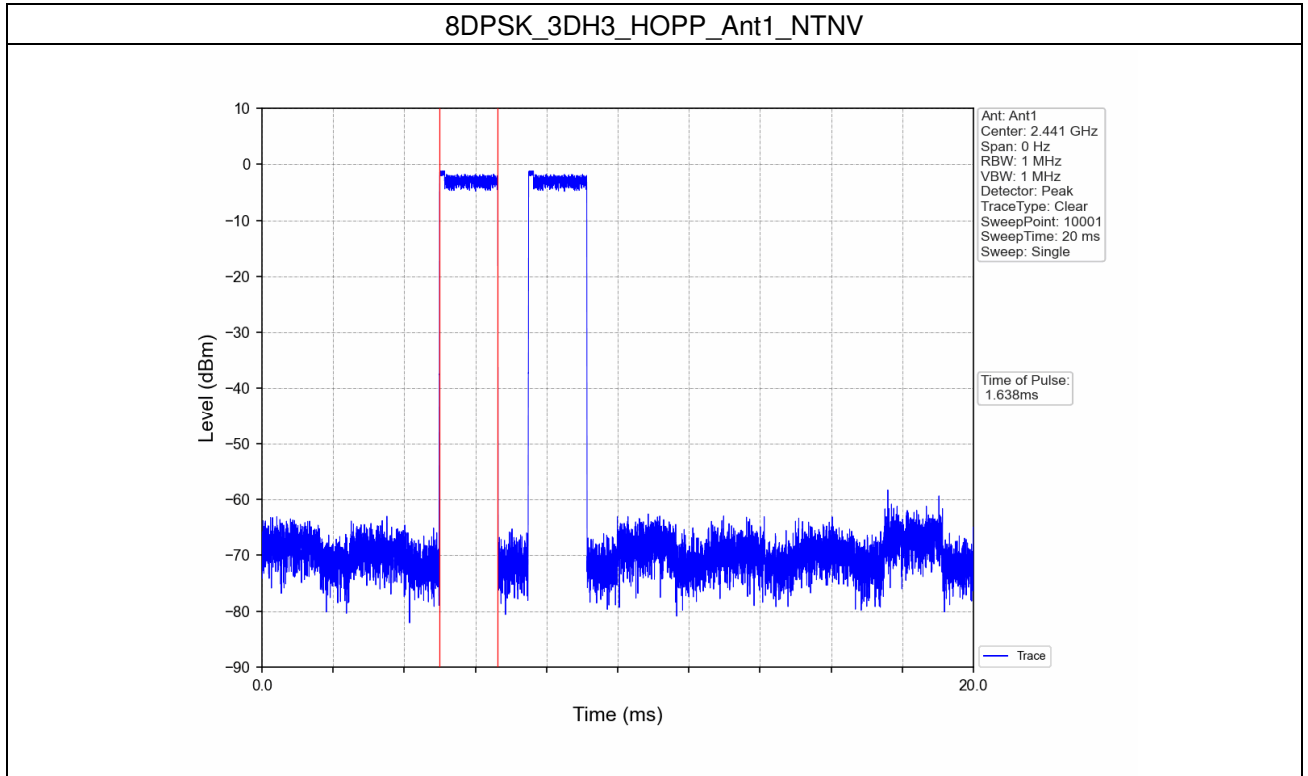
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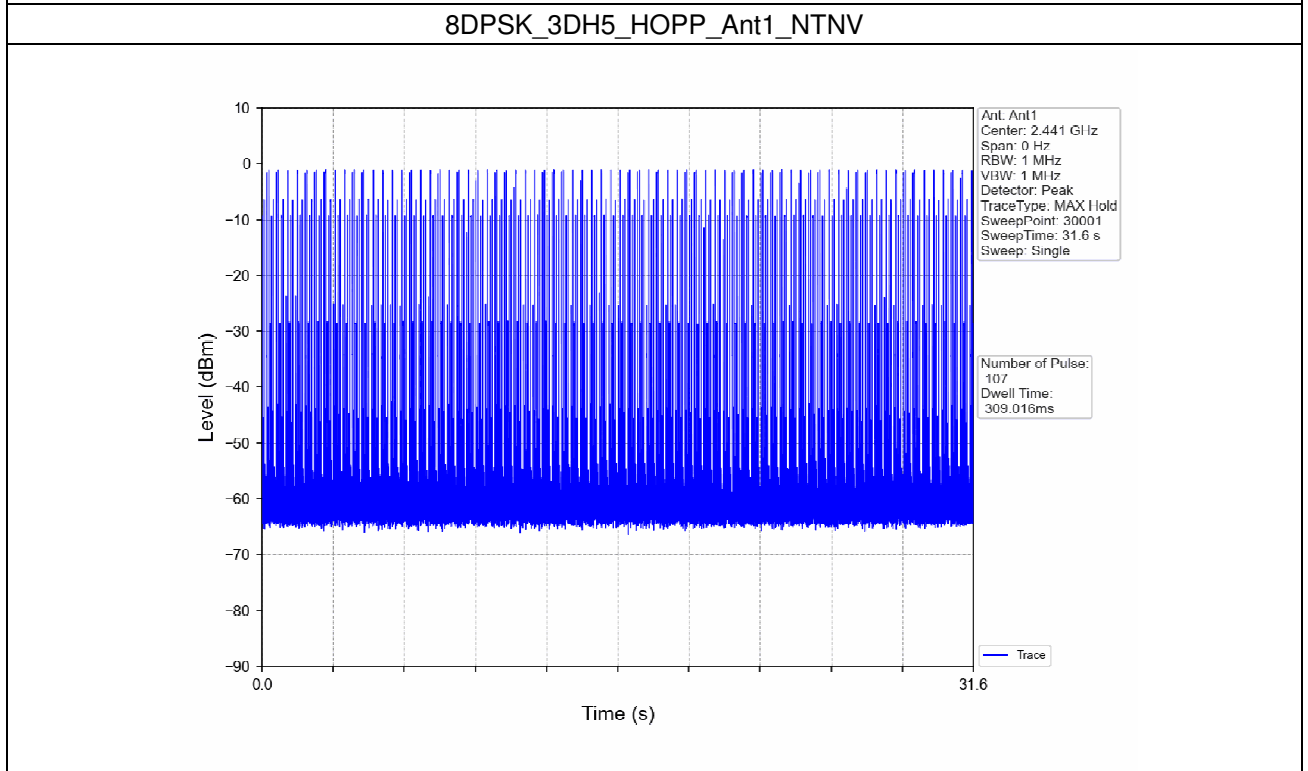
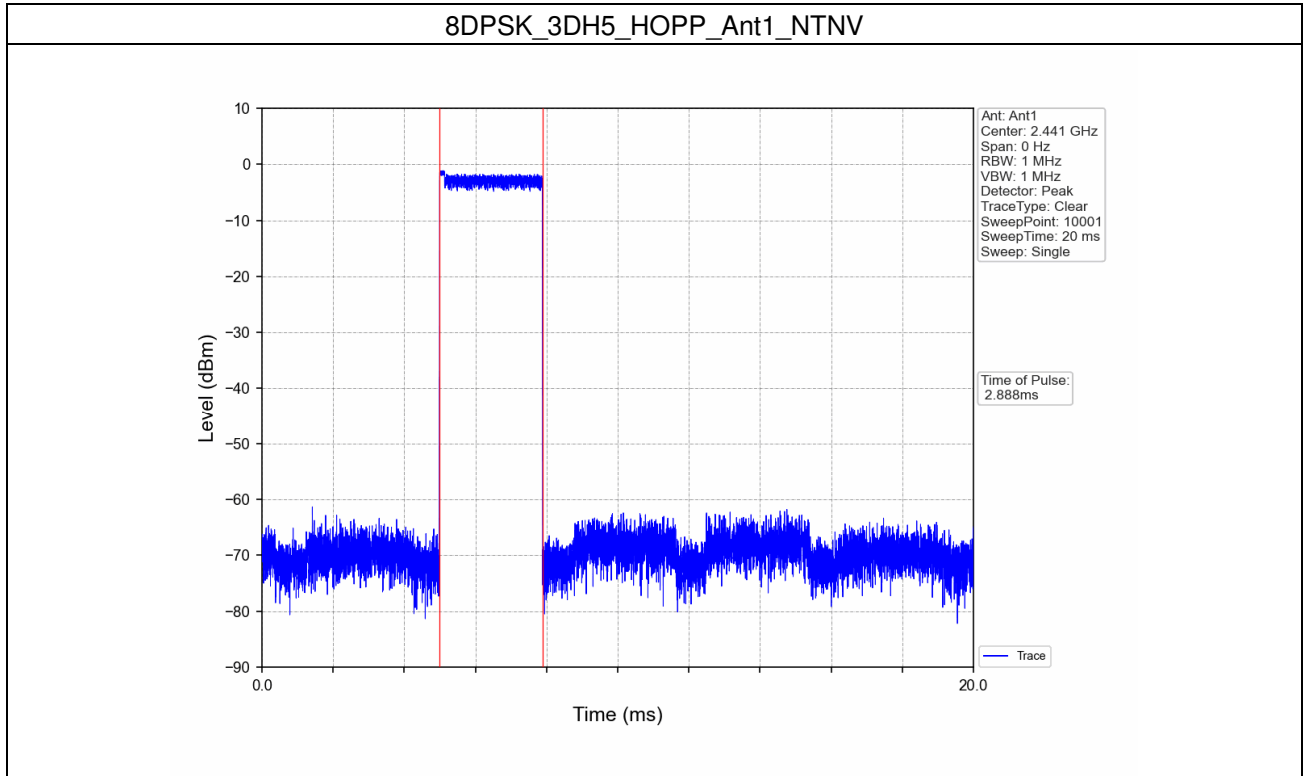
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## 6. Unwanted Emissions In Non-restricted Frequency Bands

### 6.1 Ref

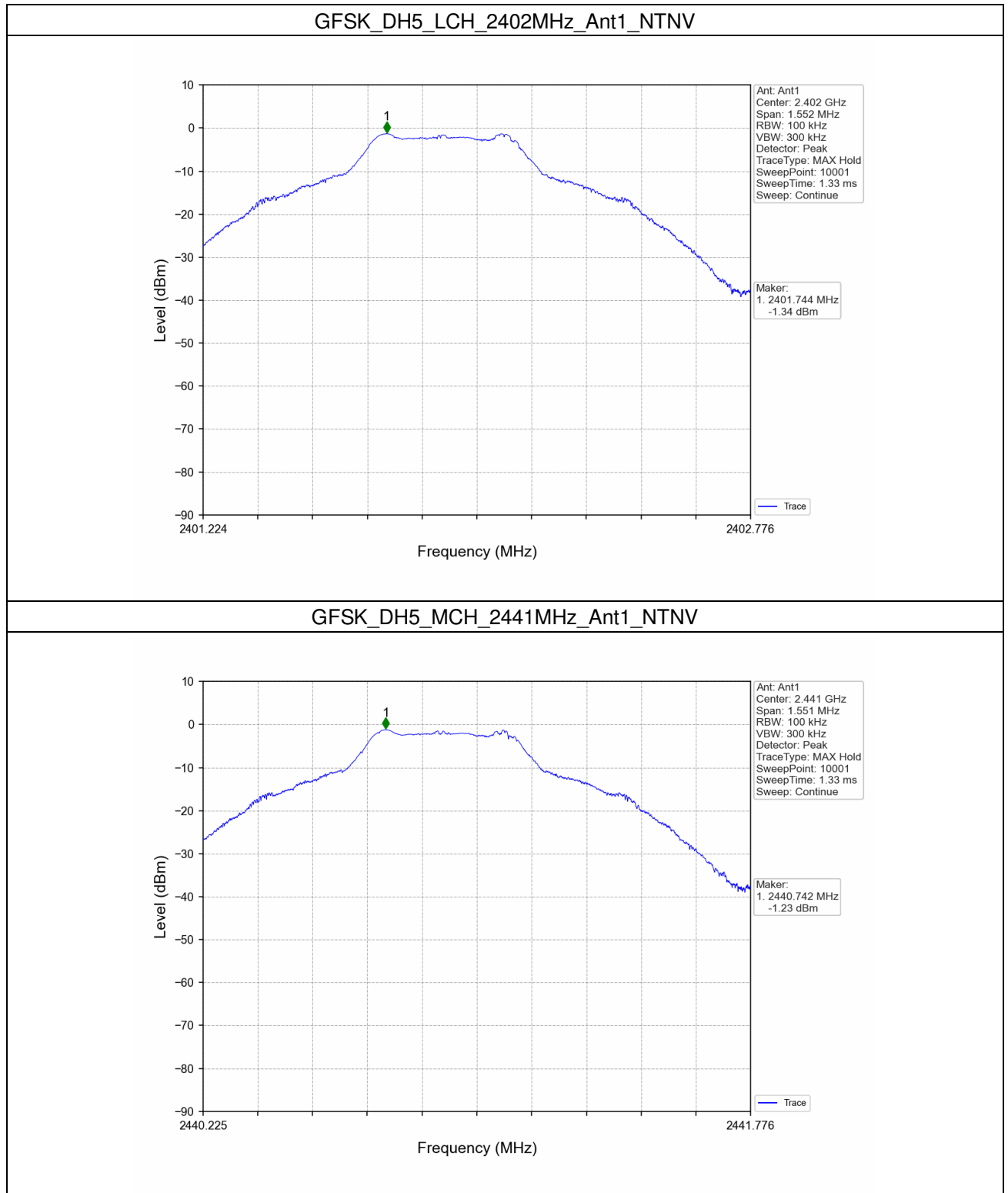
#### 6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-1.34
		2441	DH5	1	-1.23
		2480	DH5	1	-1.20
Pi/4DQPSK	SISO	2402	2DH5	1	-1.22
		2441	2DH5	1	-1.23
		2480	2DH5	1	-1.20
8DPSK	SISO	2402	3DH5	1	-1.17
		2441	3DH5	1	-1.22
		2480	3DH5	1	-1.17



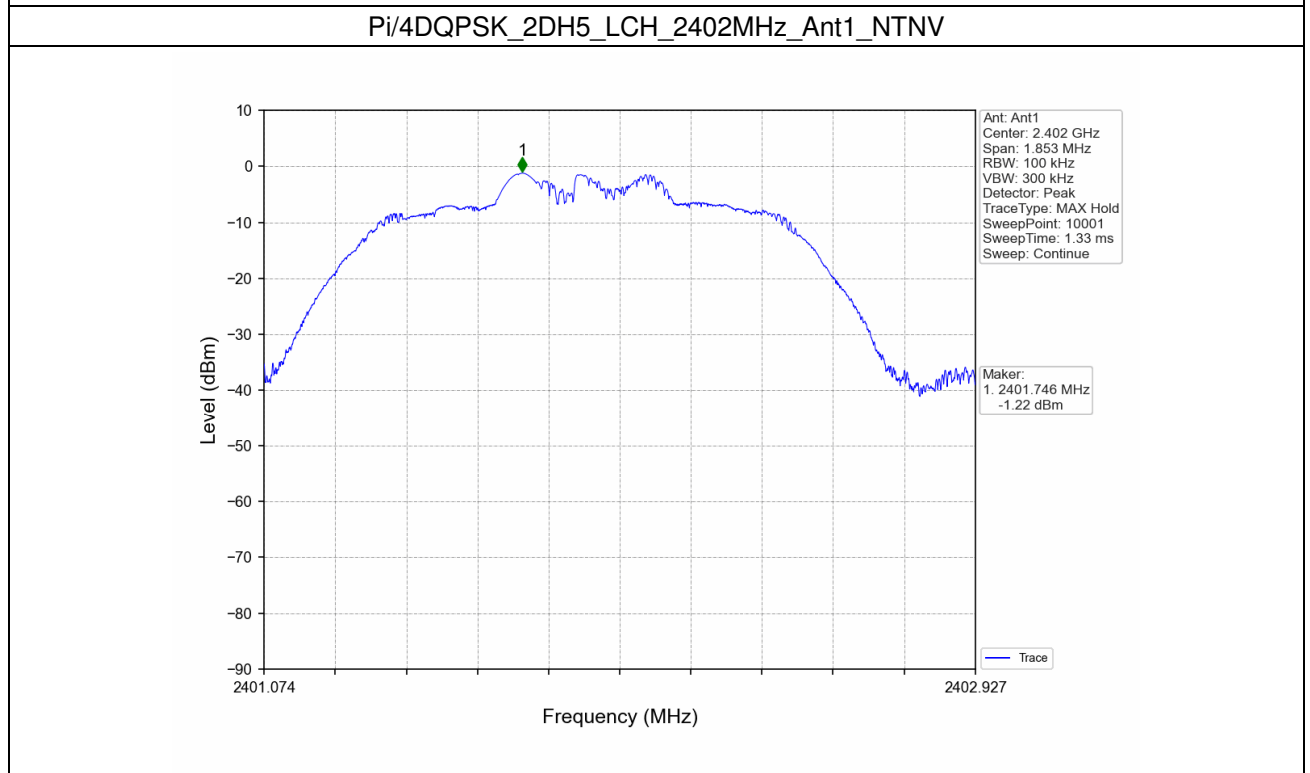
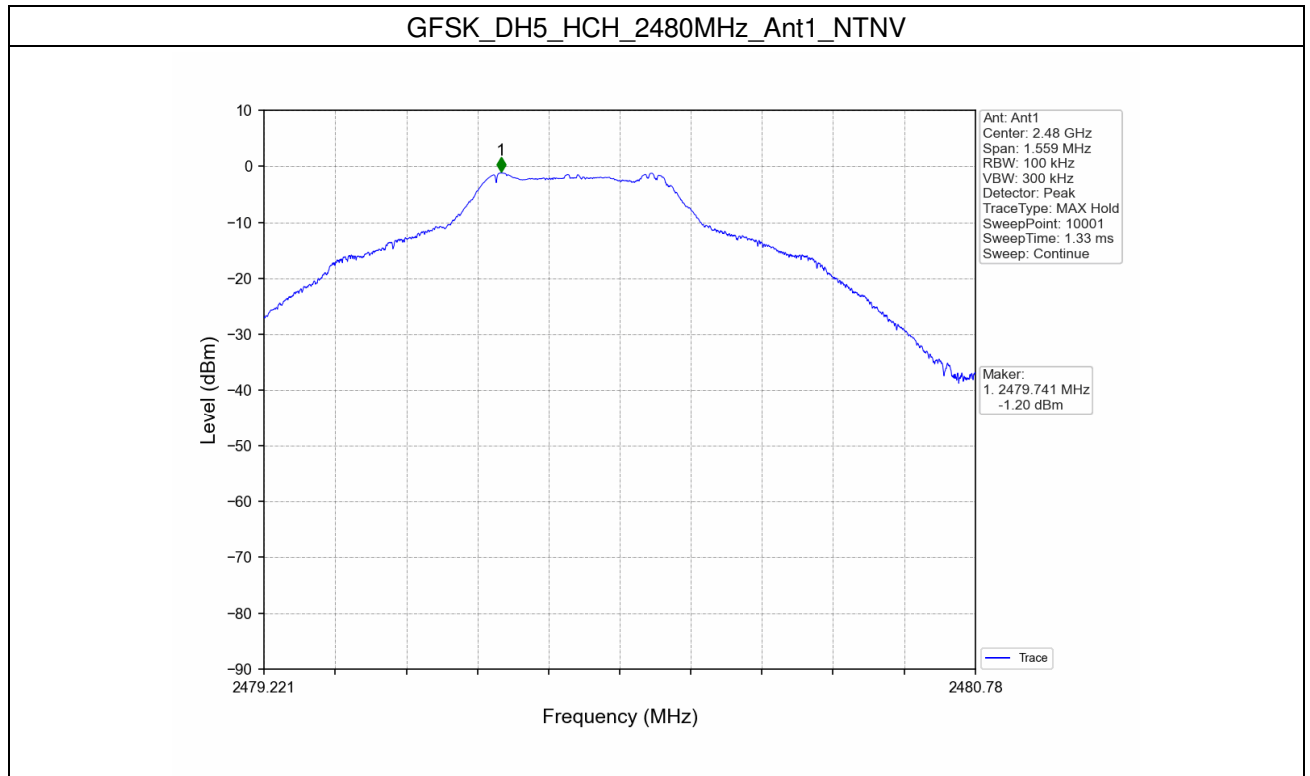
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### 6.1.2 Test Graph



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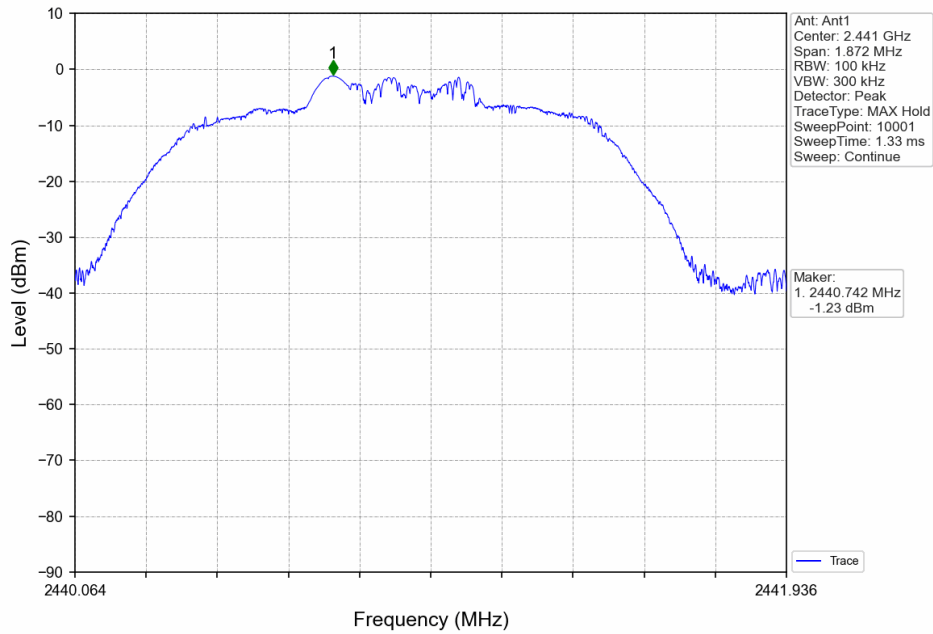
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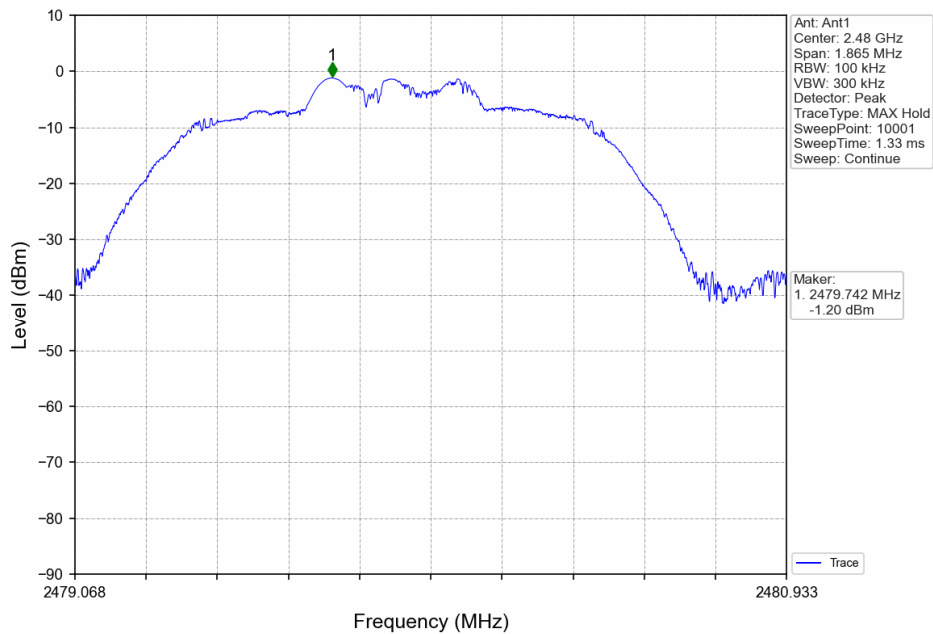
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Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

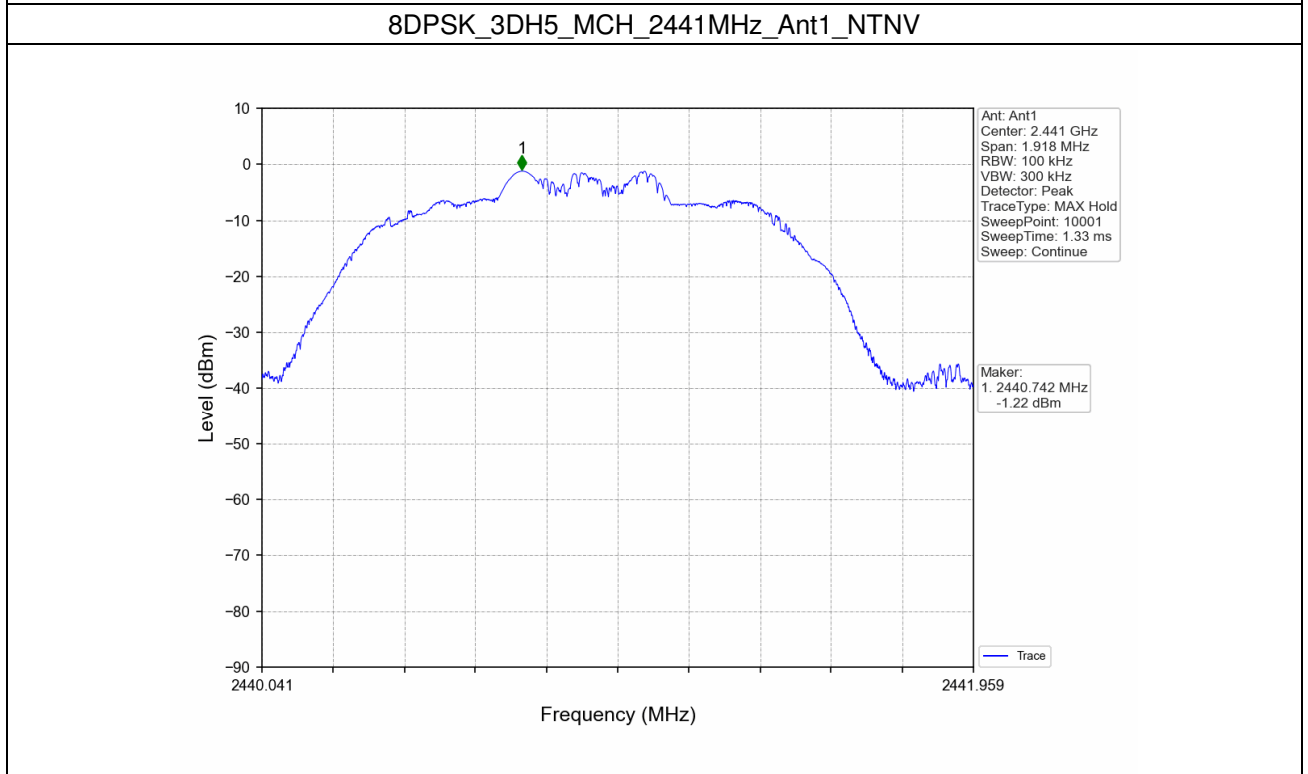
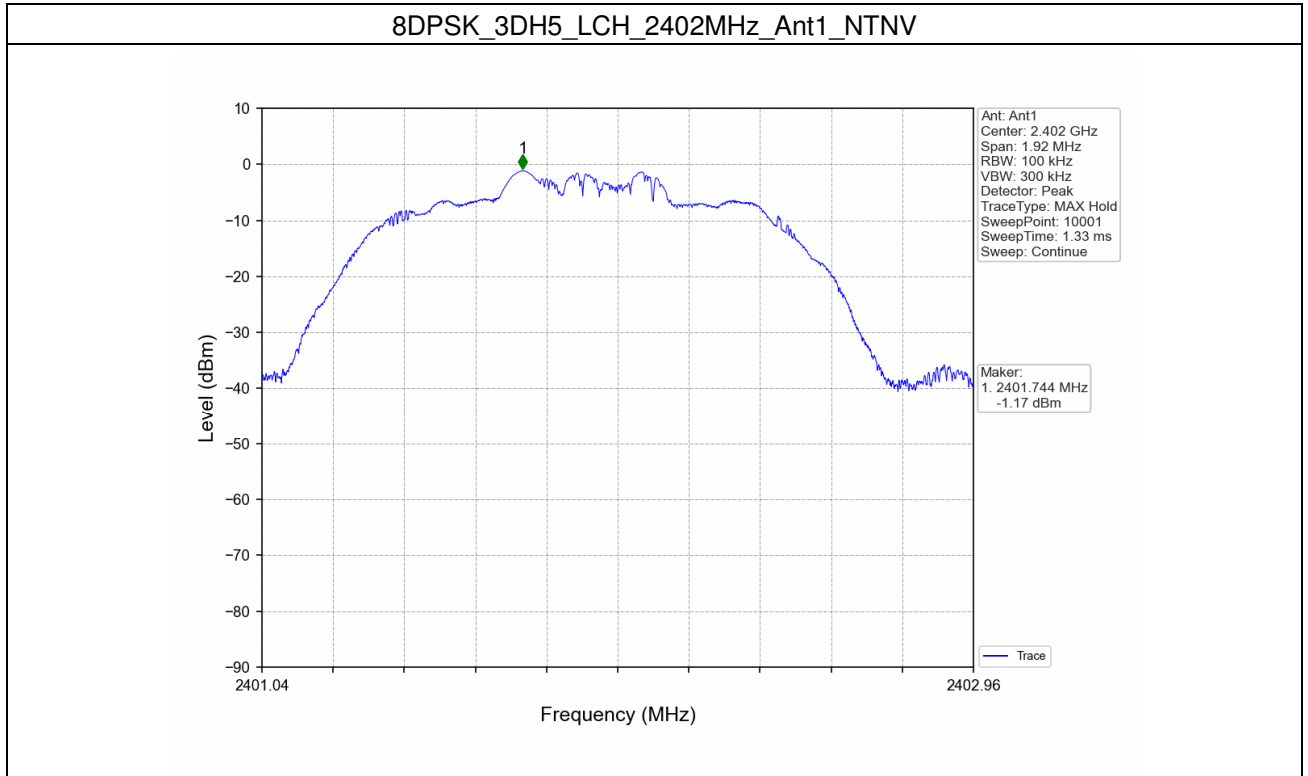


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

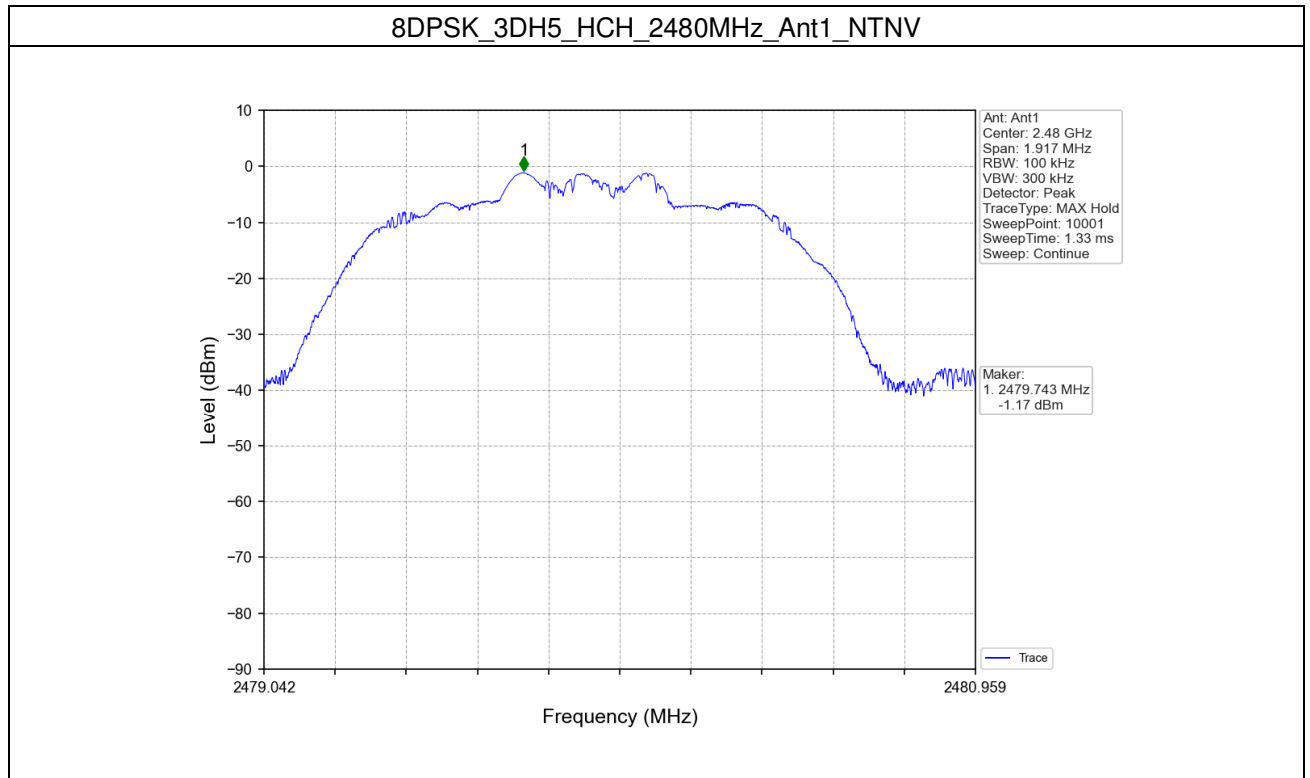


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## 6.2 CSE

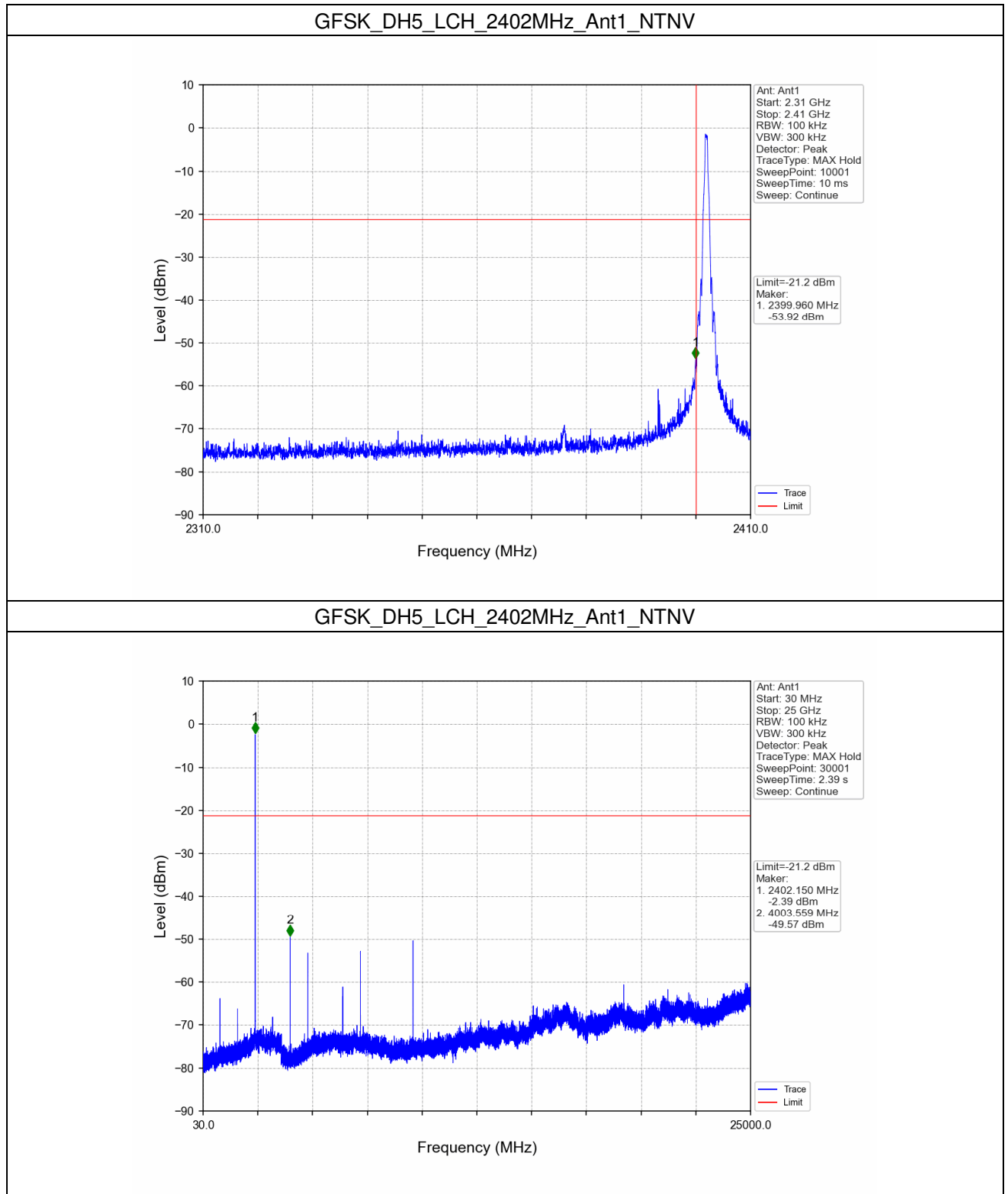
### 6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-1.20	-21.20	Pass
		2441	DH5	1	-1.20	-21.20	Pass
		2480	DH5	1	-1.20	-21.20	Pass
		HOPP	DH5	1	-1.20	-21.20	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-1.20	-21.20	Pass
		2441	2DH5	1	-1.20	-21.20	Pass
		2480	2DH5	1	-1.20	-21.20	Pass
		HOPP	2DH5	1	-1.20	-21.20	Pass
8DPSK	SISO	2402	3DH5	1	-1.17	-21.17	Pass
		2441	3DH5	1	-1.17	-21.17	Pass
		2480	3DH5	1	-1.17	-21.17	Pass
		HOPP	3DH5	1	-1.17	-21.17	Pass



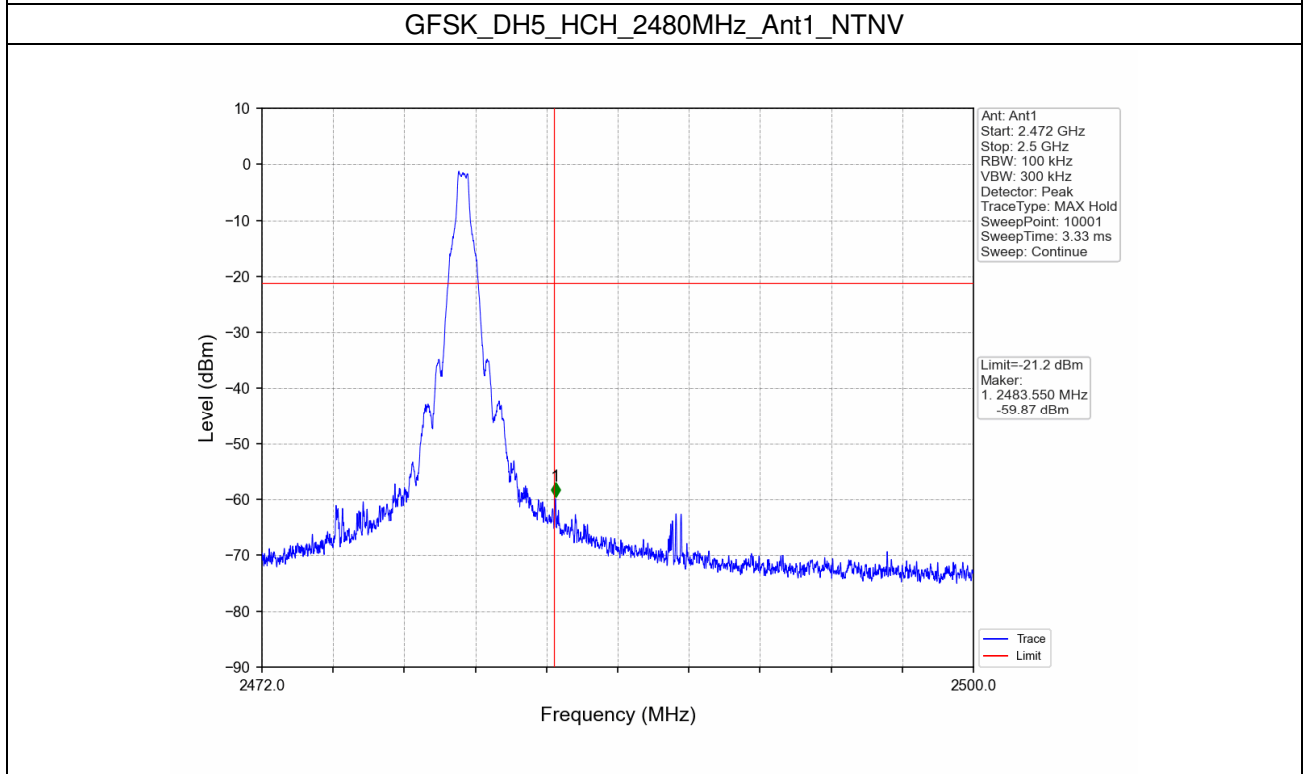
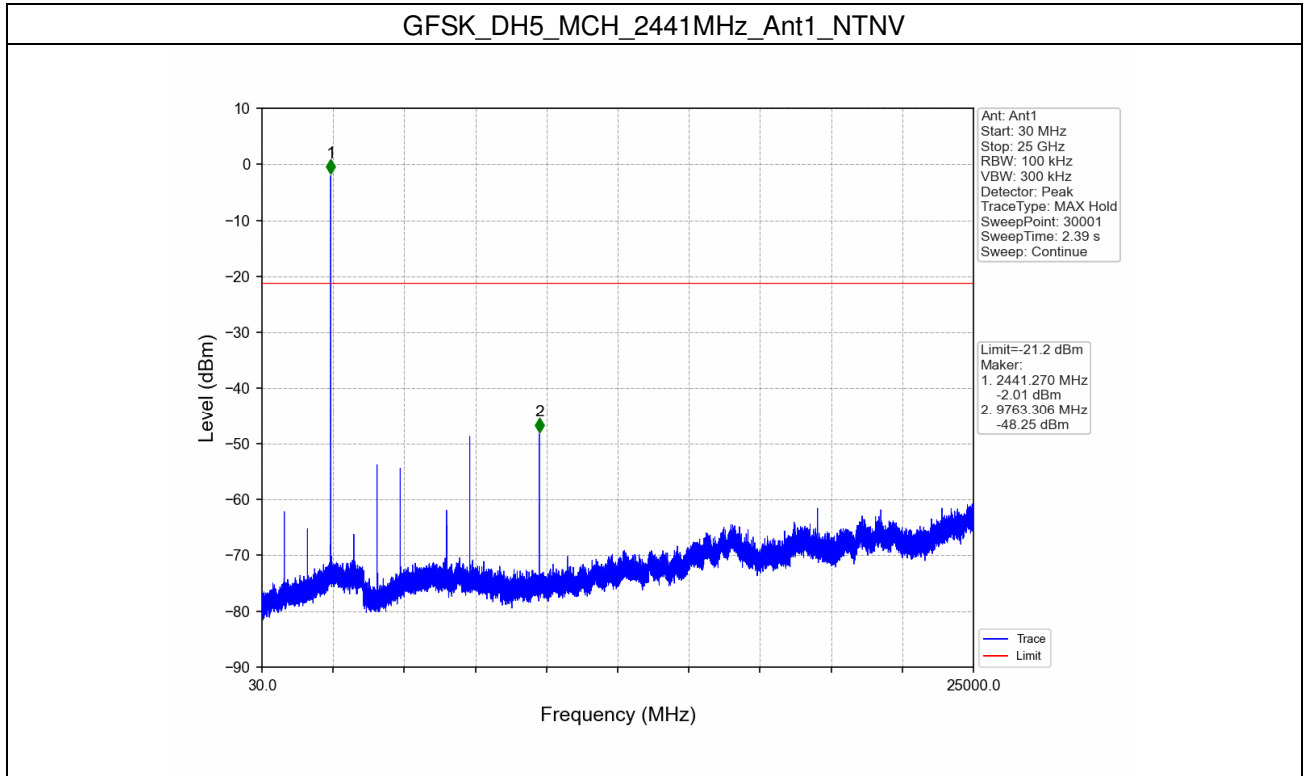
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### 6.2.2 Test Graph



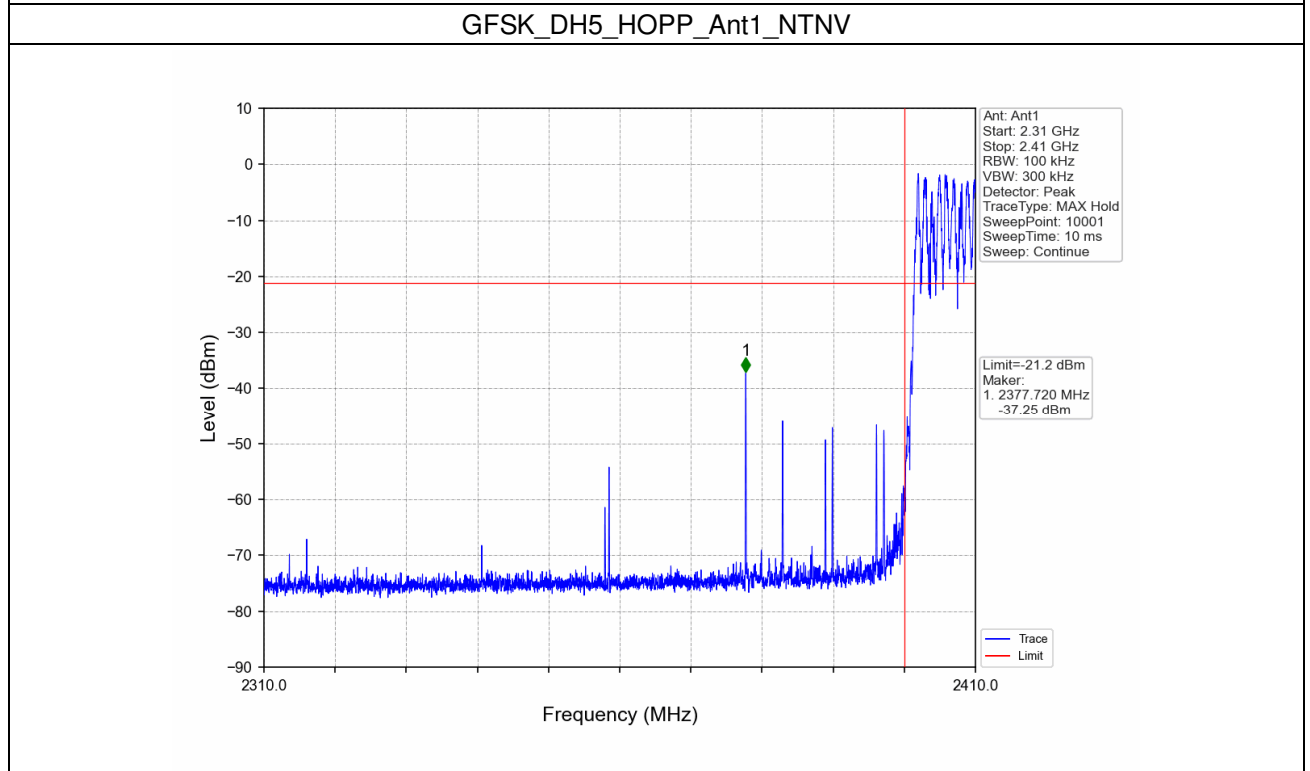
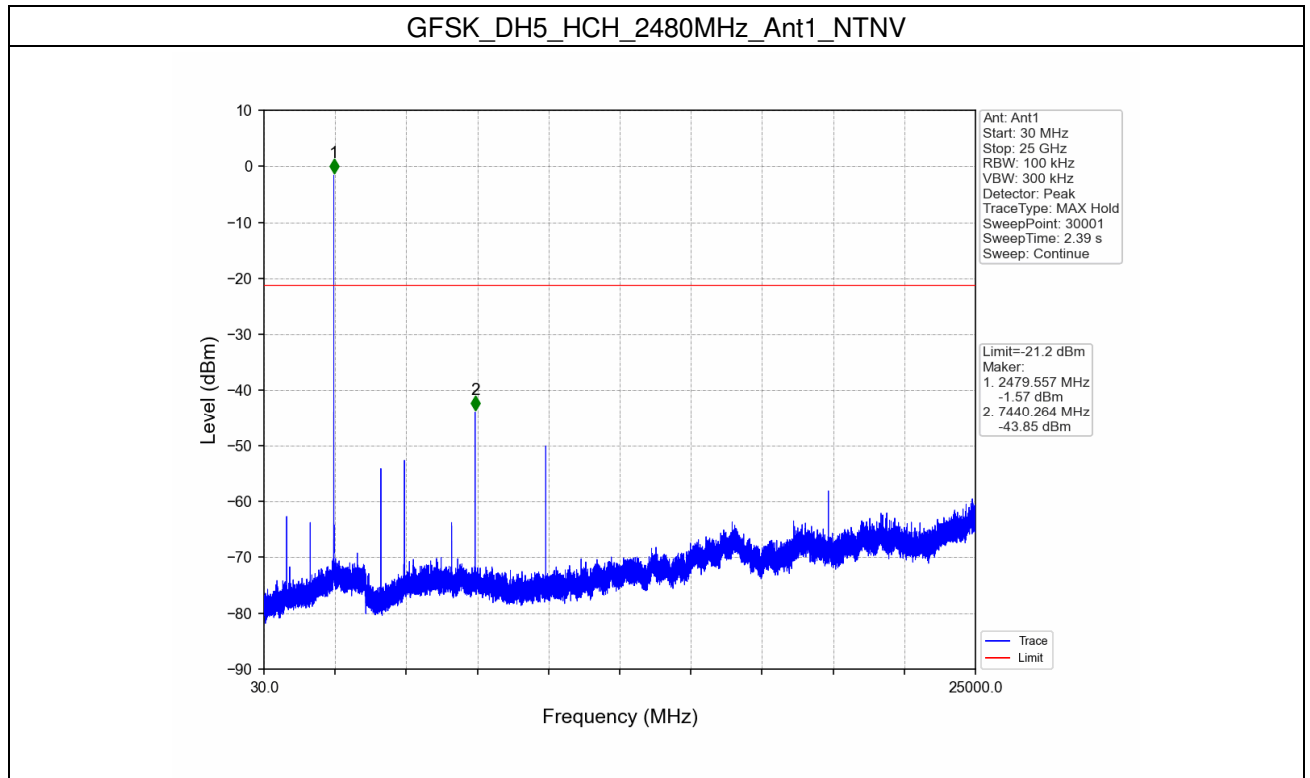
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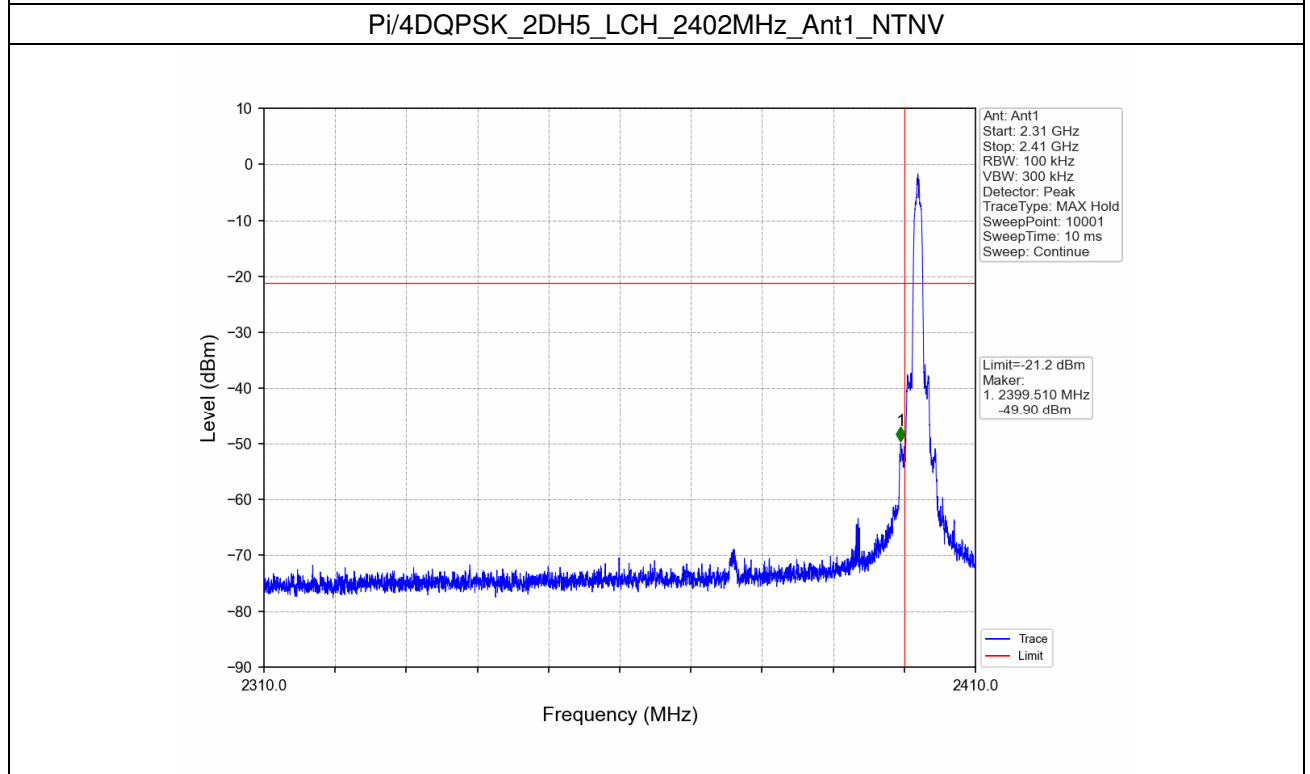
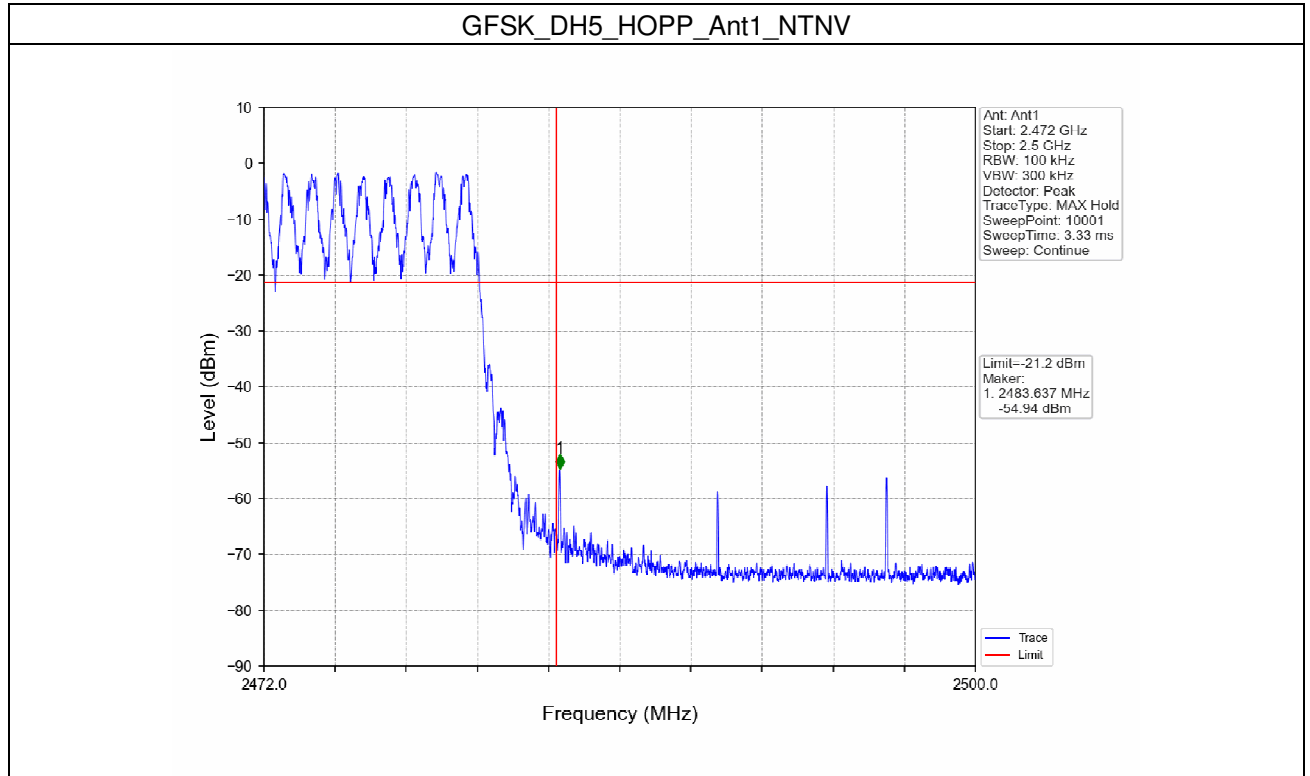
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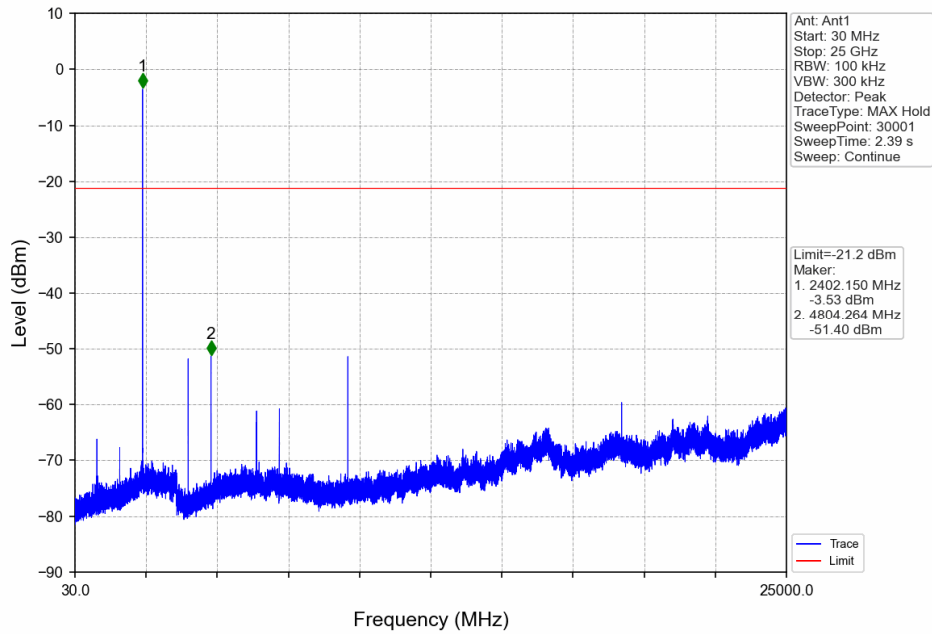
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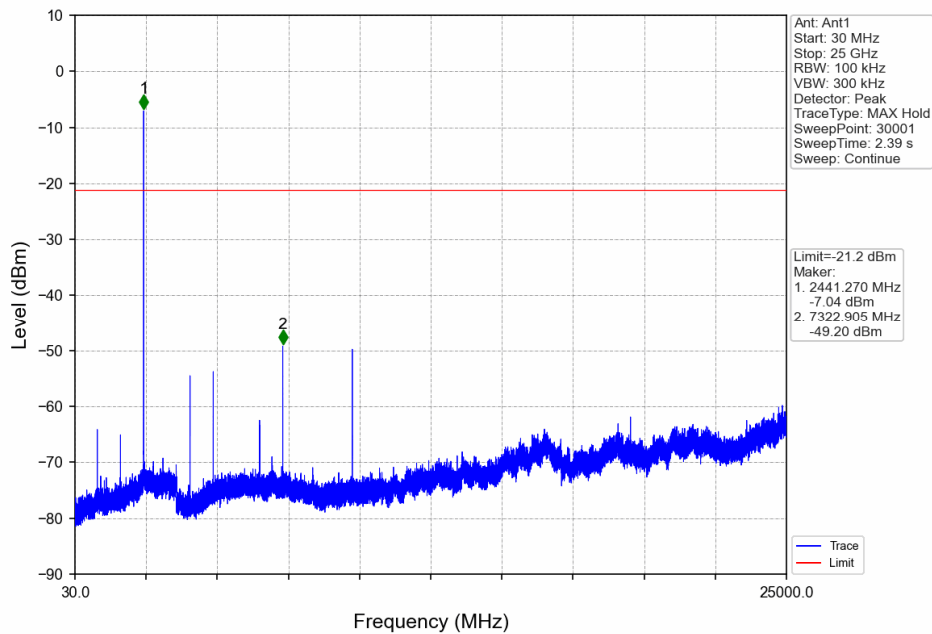
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Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



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

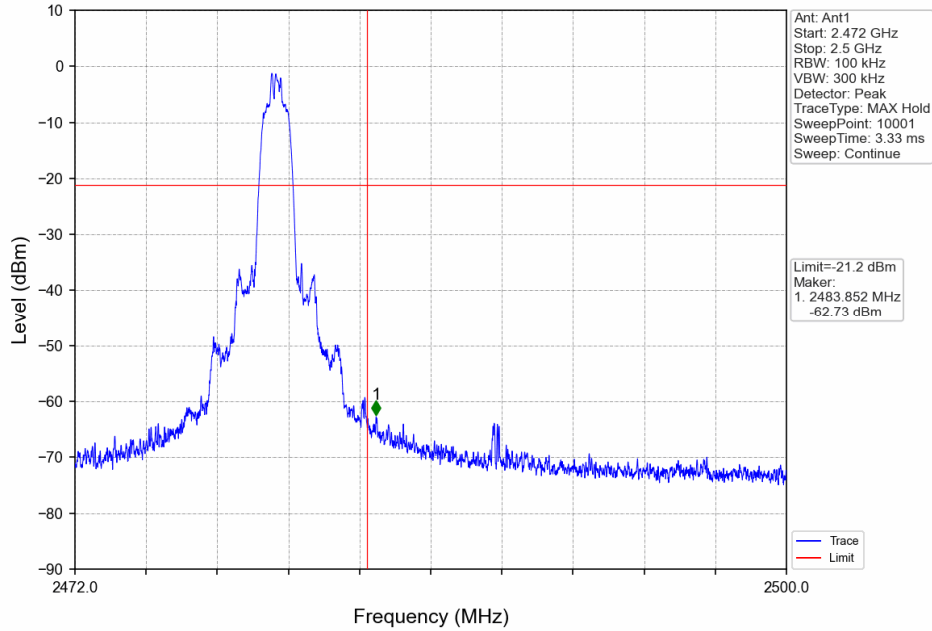


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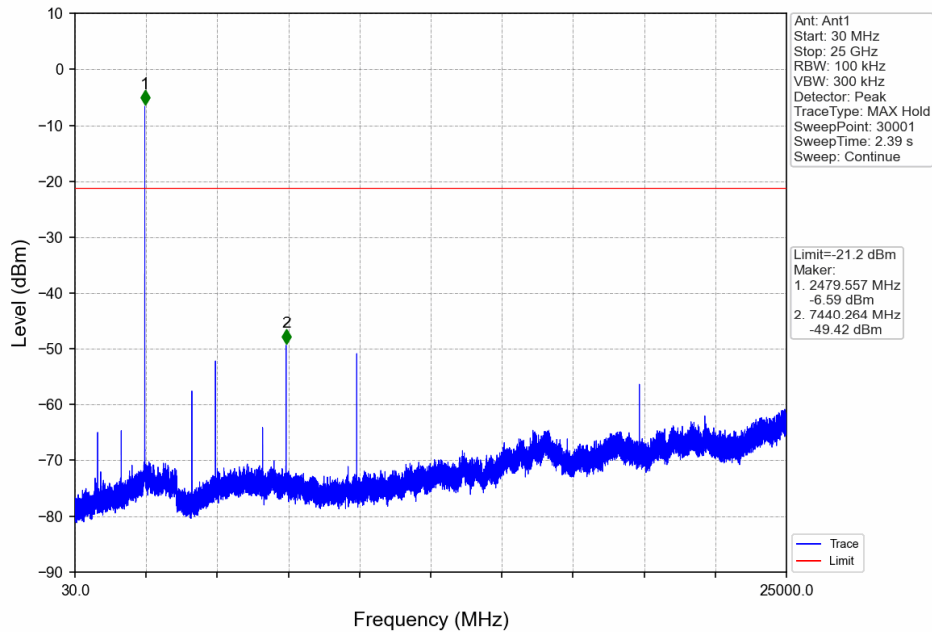
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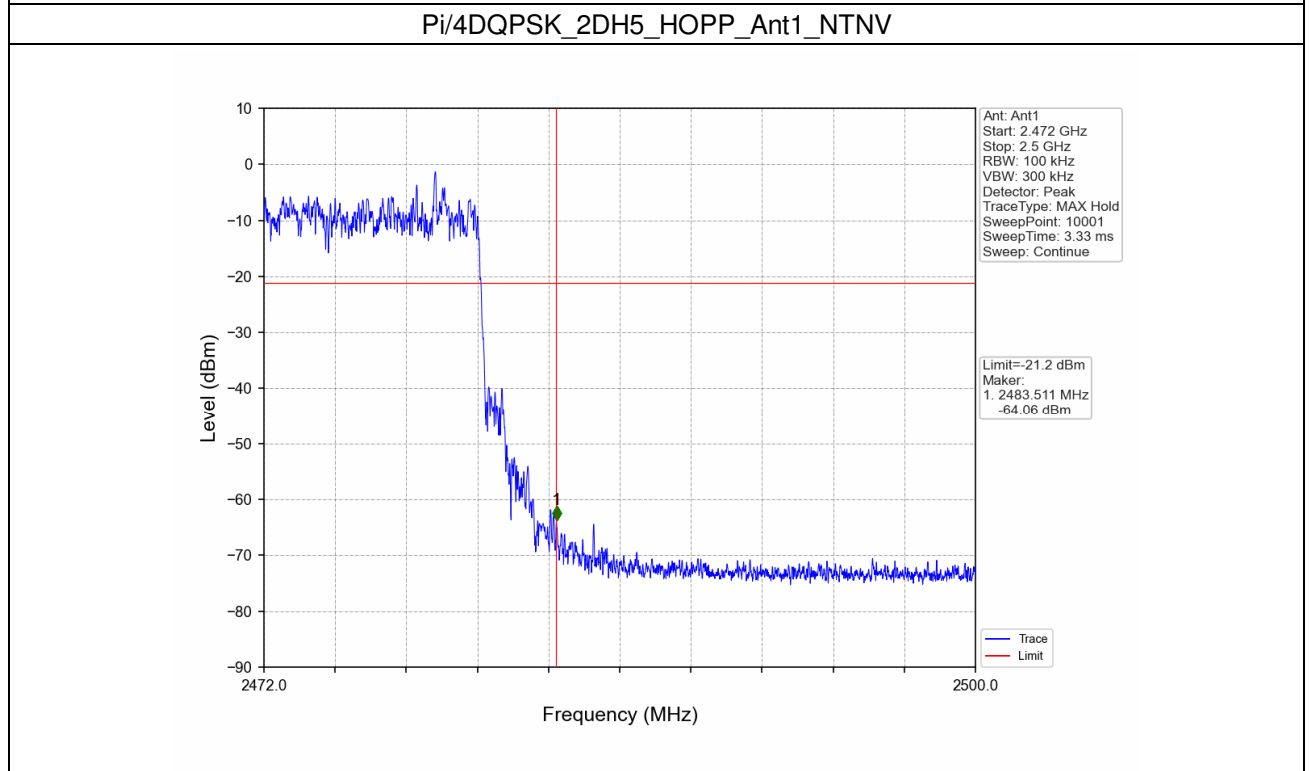
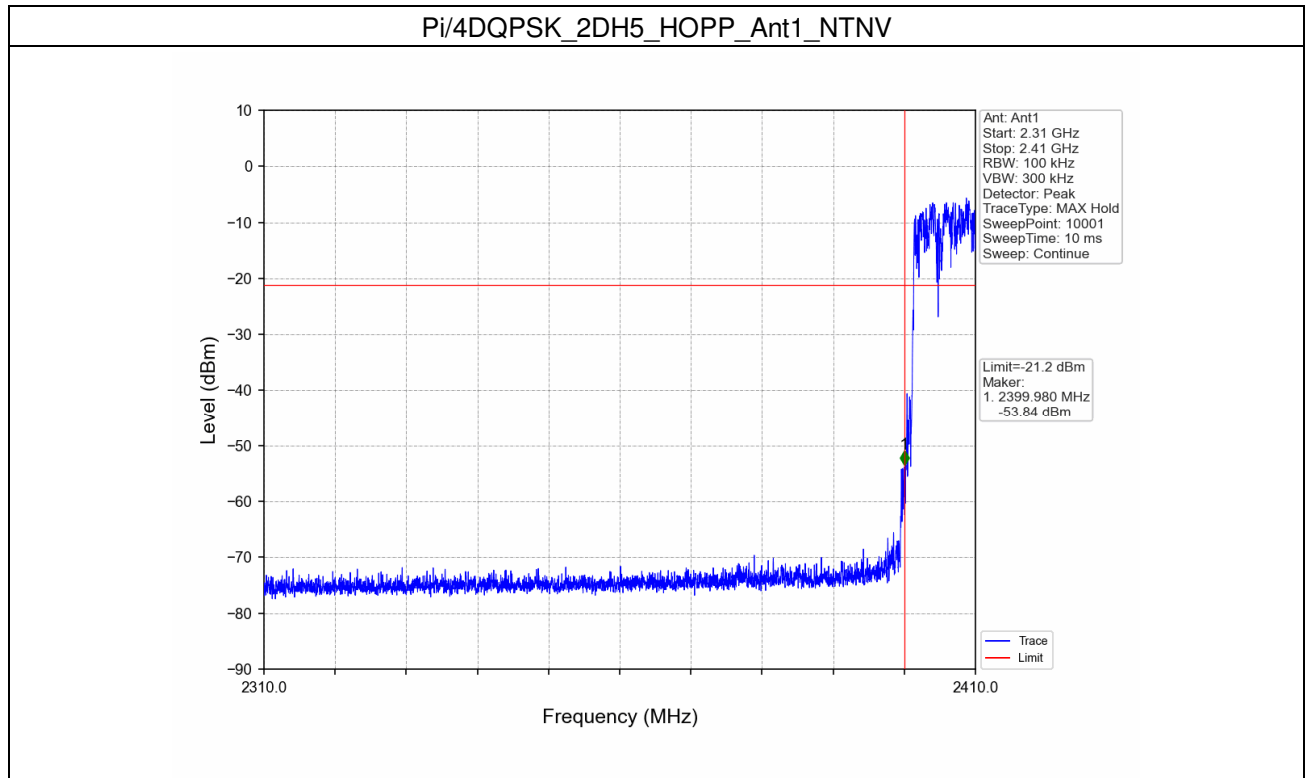


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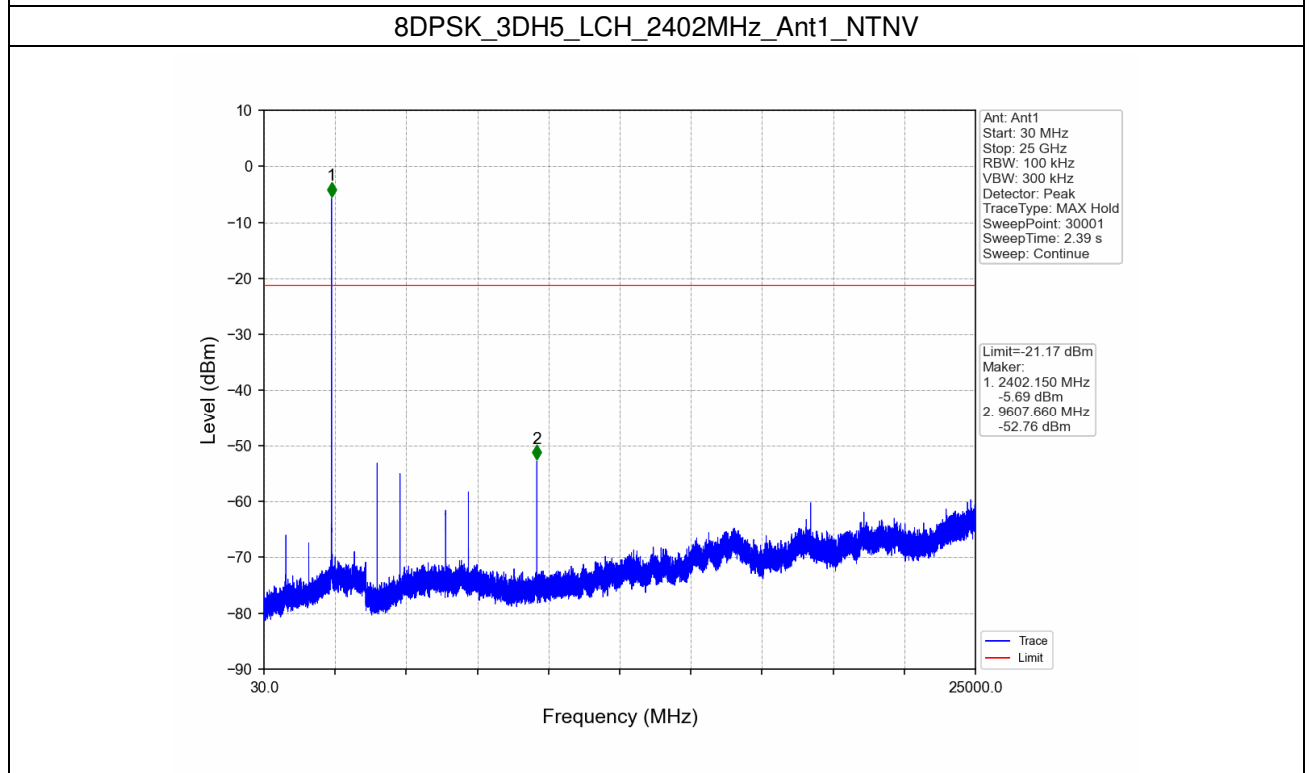
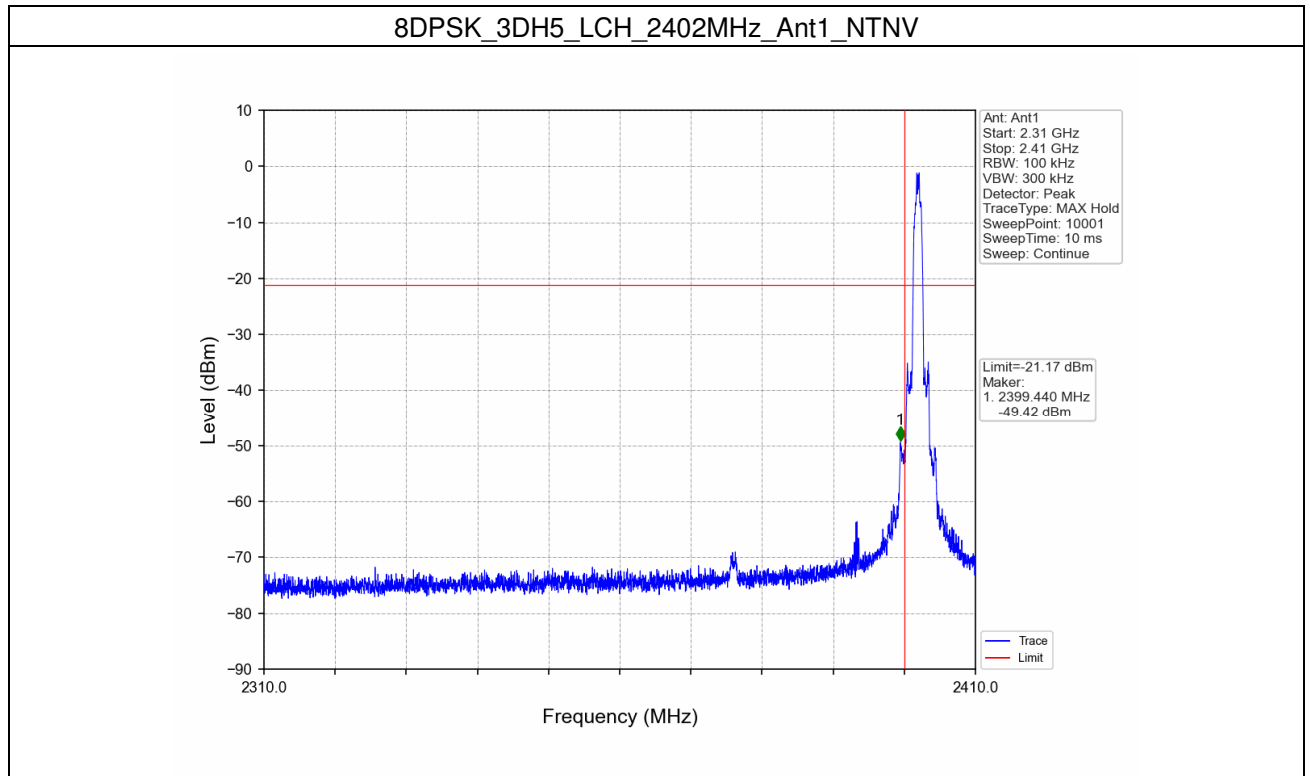
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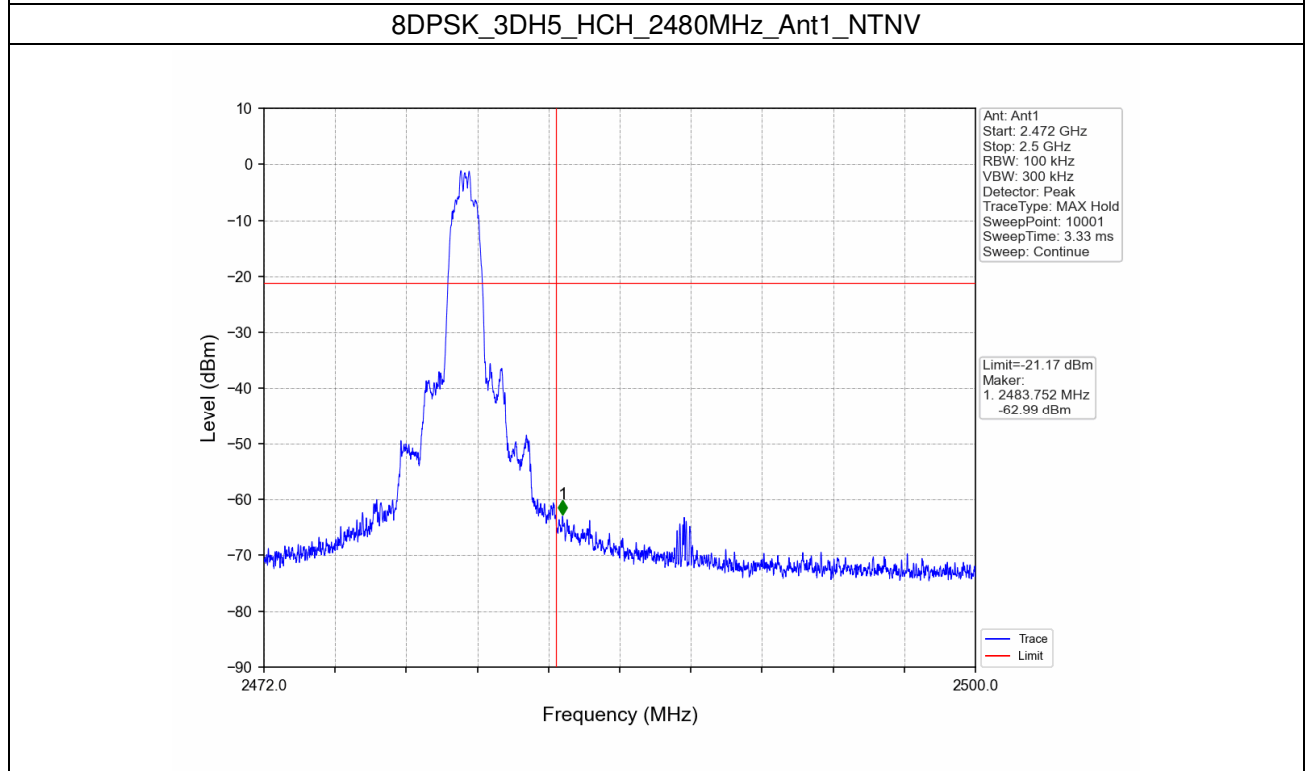
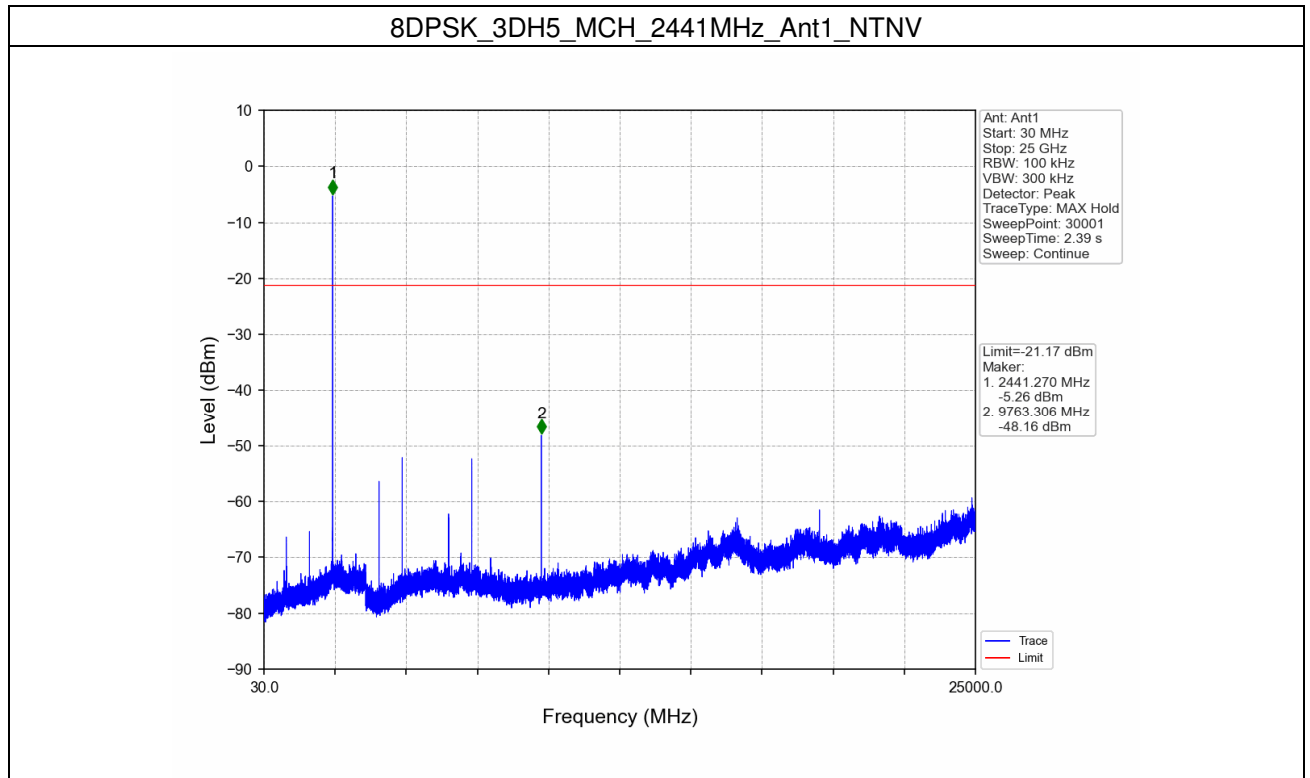


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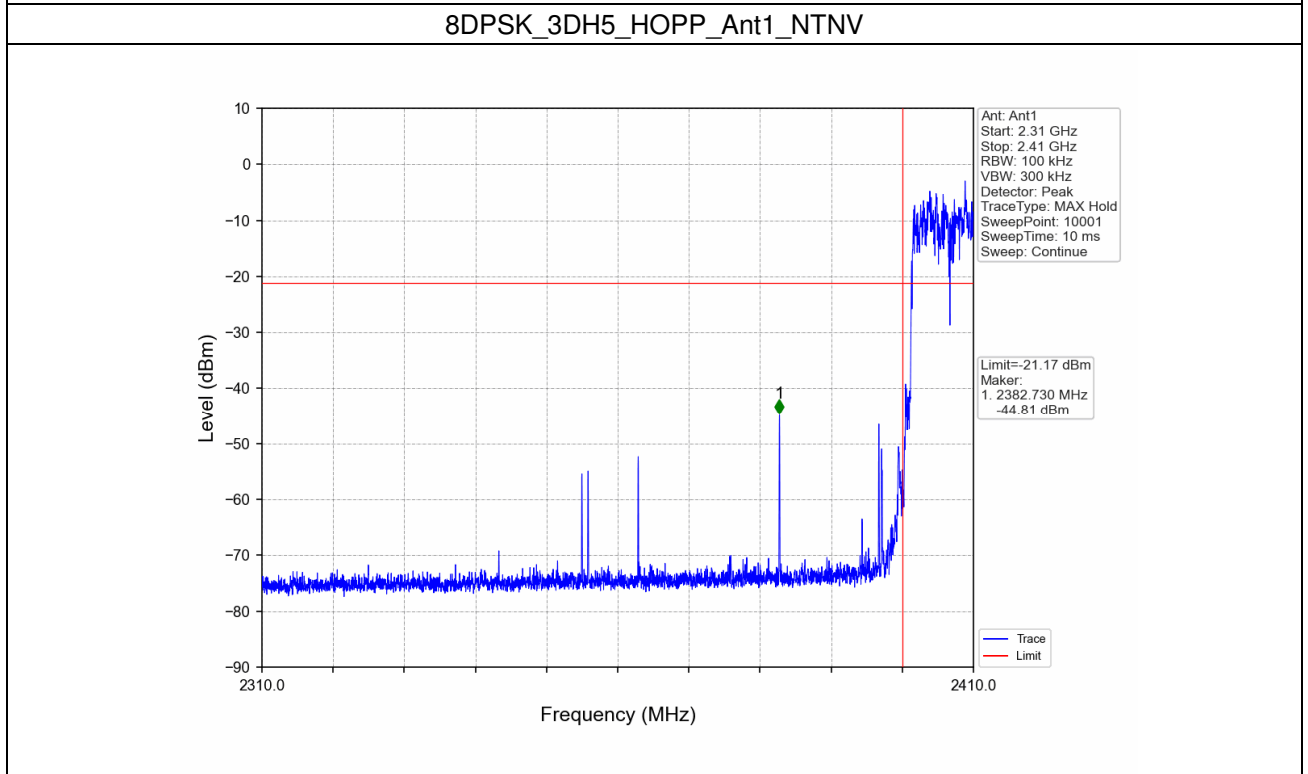
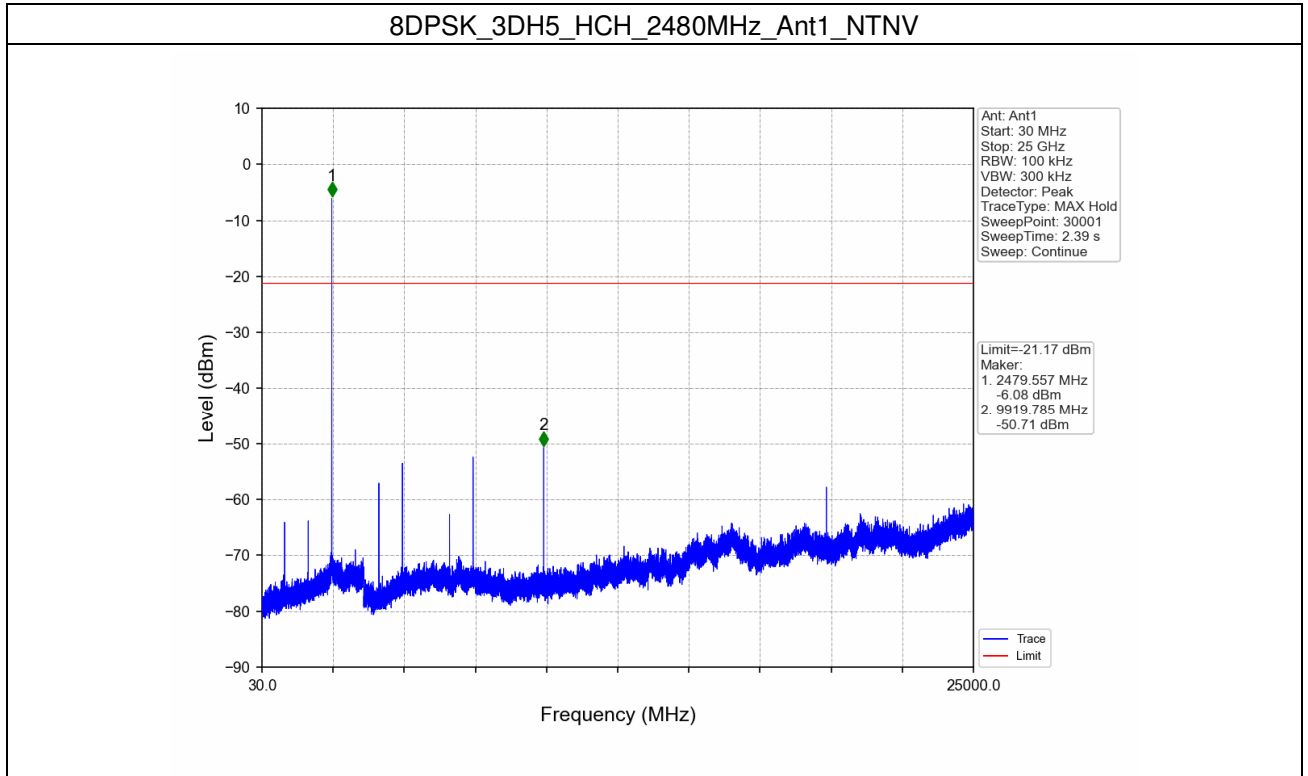


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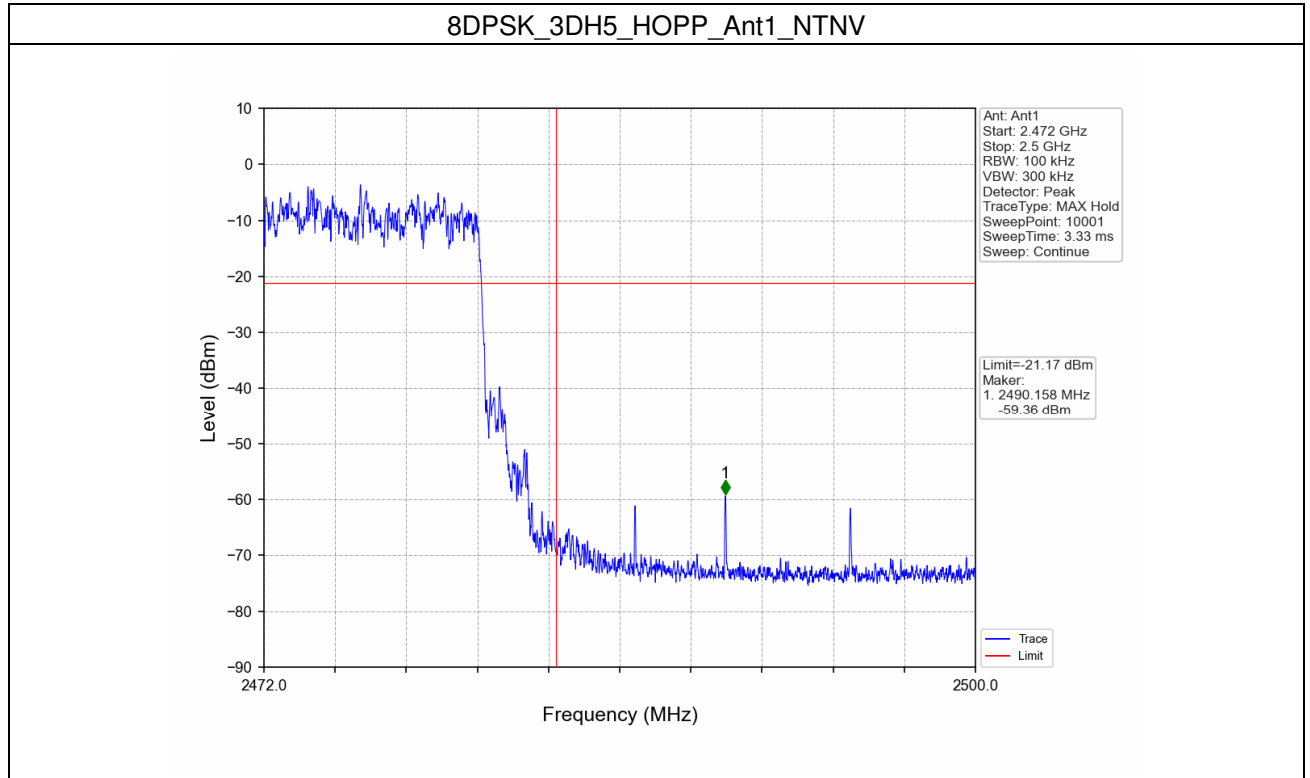
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## 7. Form731

### 7.1 Form731

#### 7.1.1 Test Result

Lower Freq	High Freq	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0008	-0.93

- End of the Report -



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