

## 10 Appendix

### 1. Bandwidth

#### 1.1 20dB BW

##### 1.1.1 Test Result

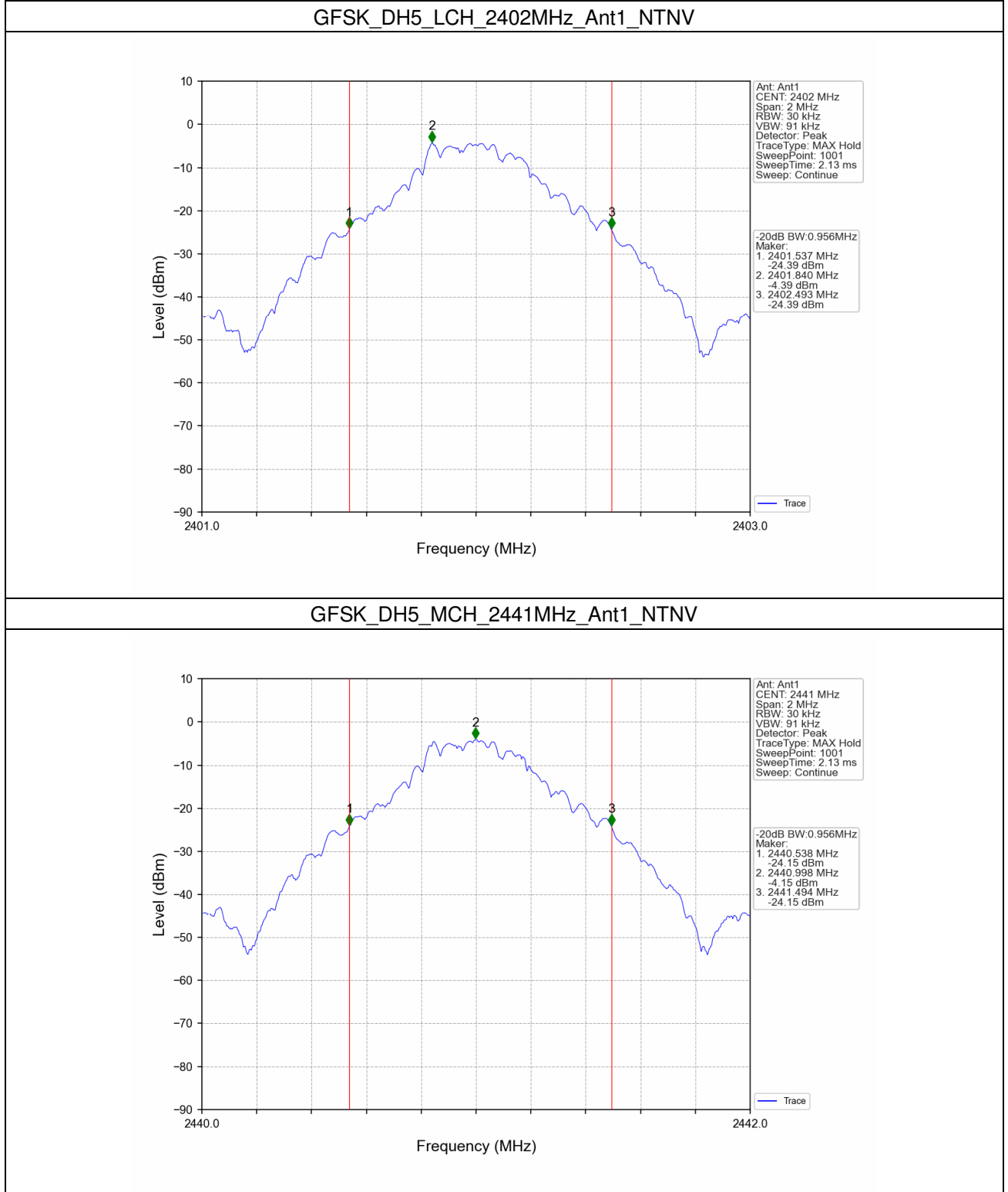
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.956	Pass
		2441	DH5	1	0.956	Pass
		2480	DH5	1	0.955	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.284	Pass
		2441	2DH5	1	1.284	Pass
		2480	2DH5	1	1.284	Pass
8DPSK	SISO	2402	3DH5	1	1.309	Pass
		2441	3DH5	1	1.309	Pass
		2480	3DH5	1	1.310	Pass



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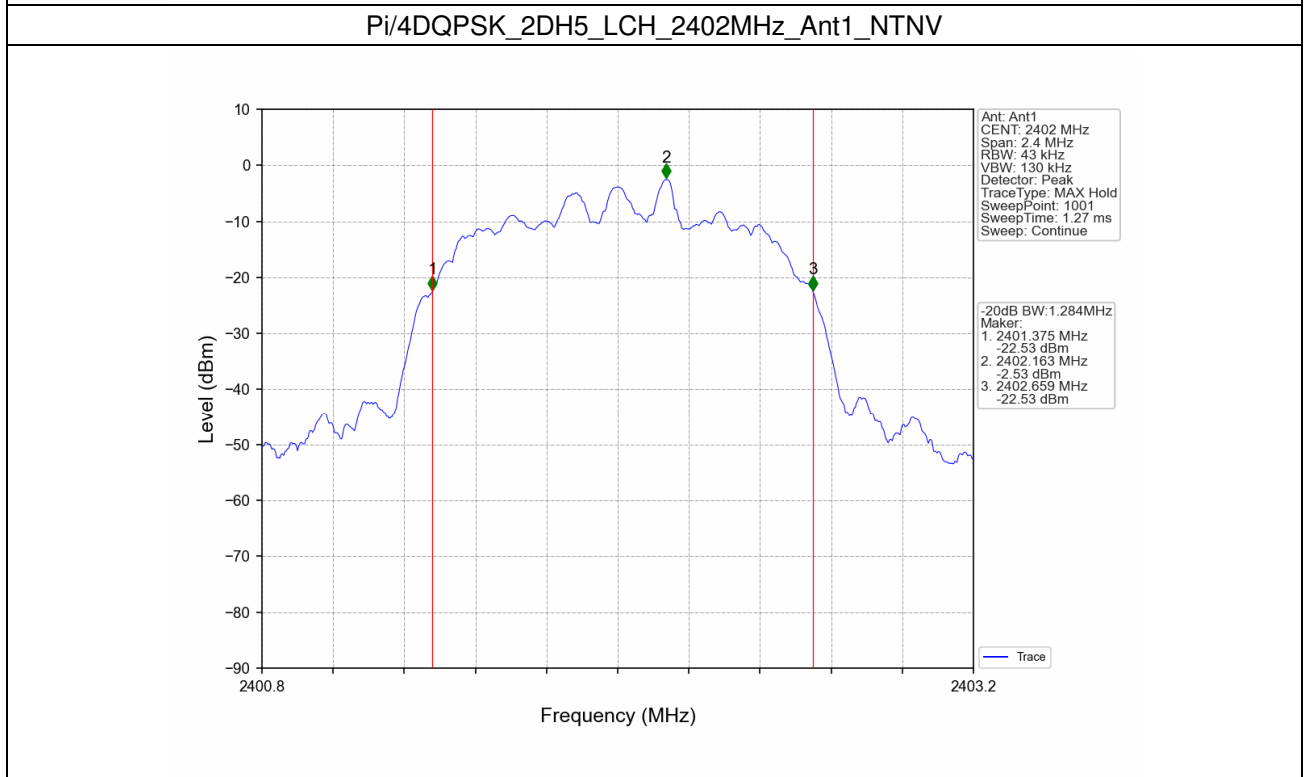
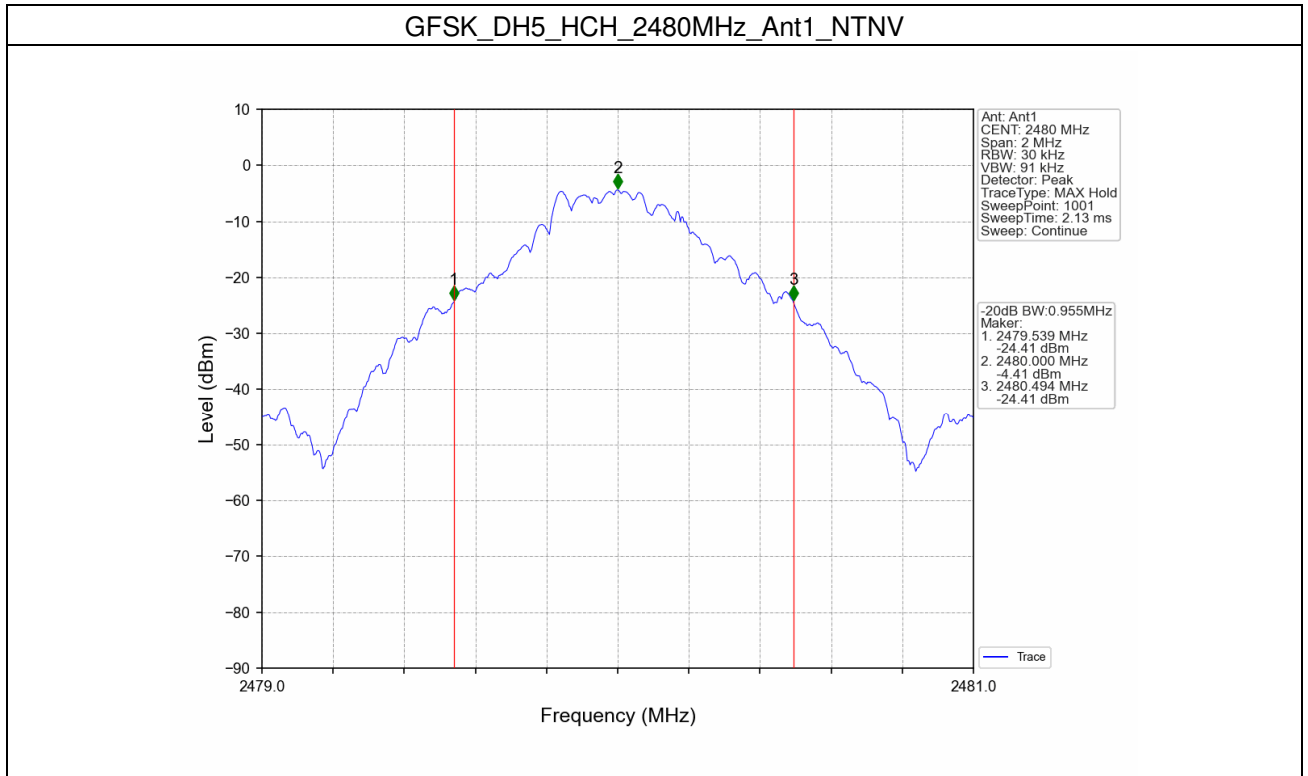
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### 1.1.2 Test Graph



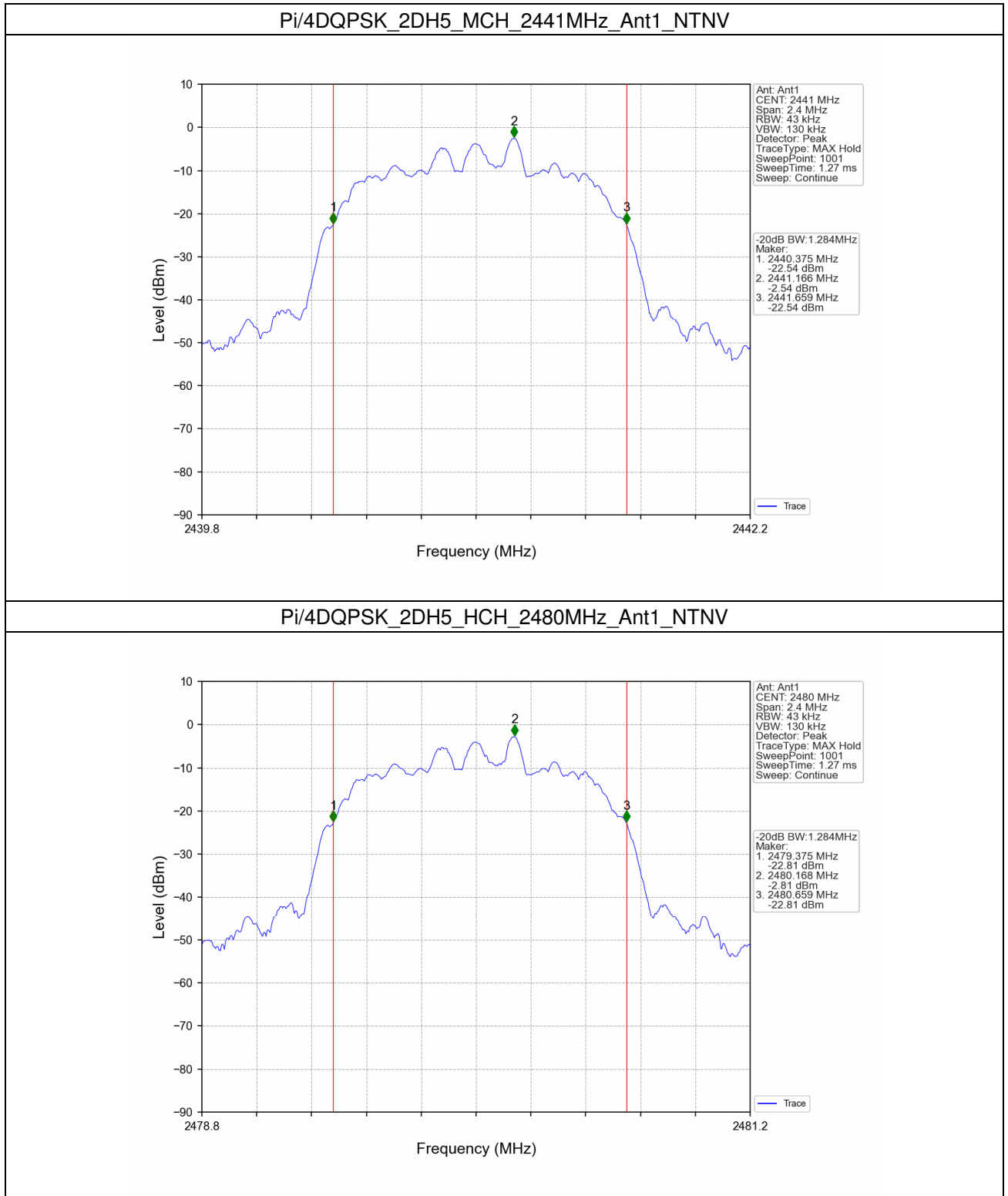
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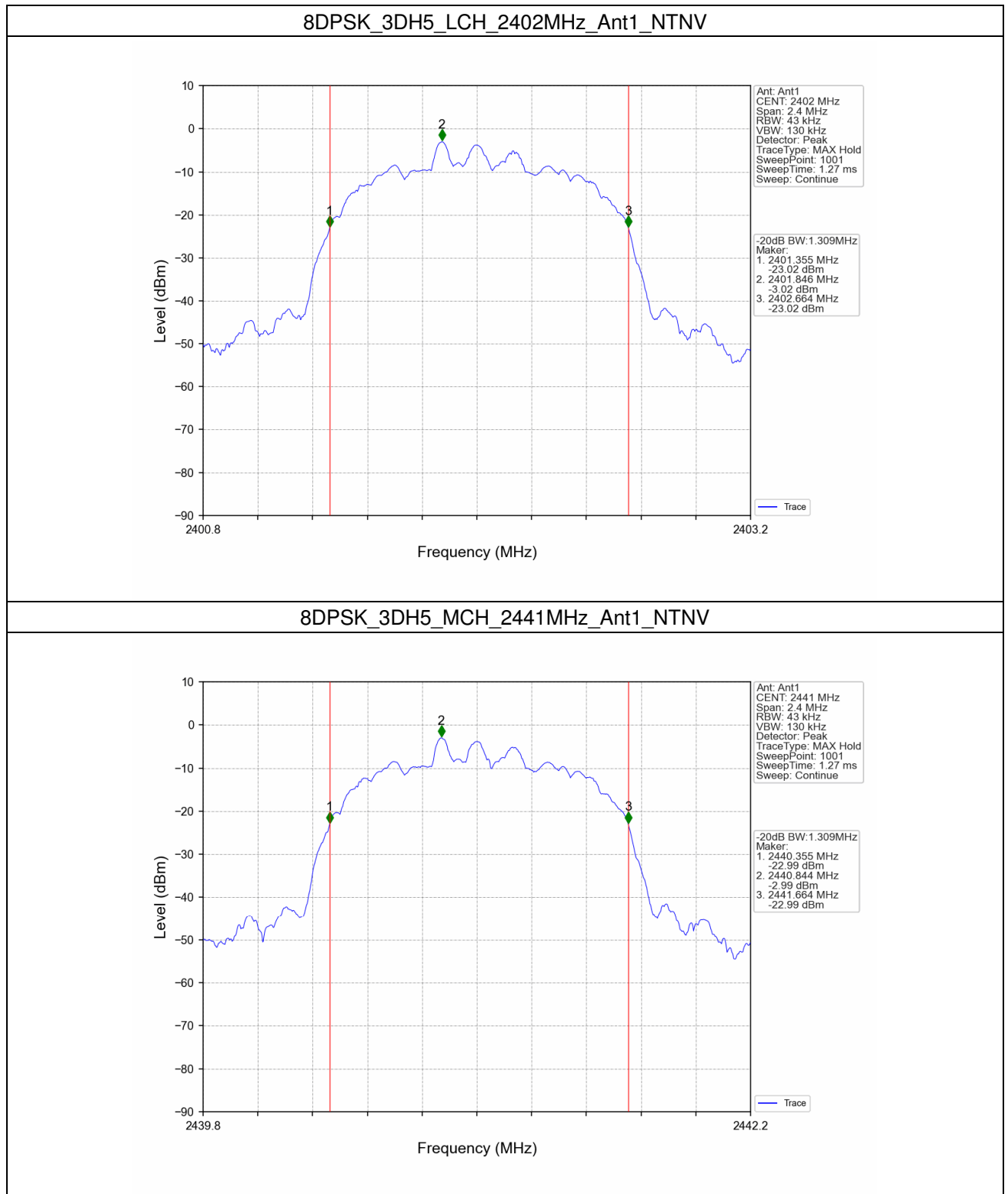
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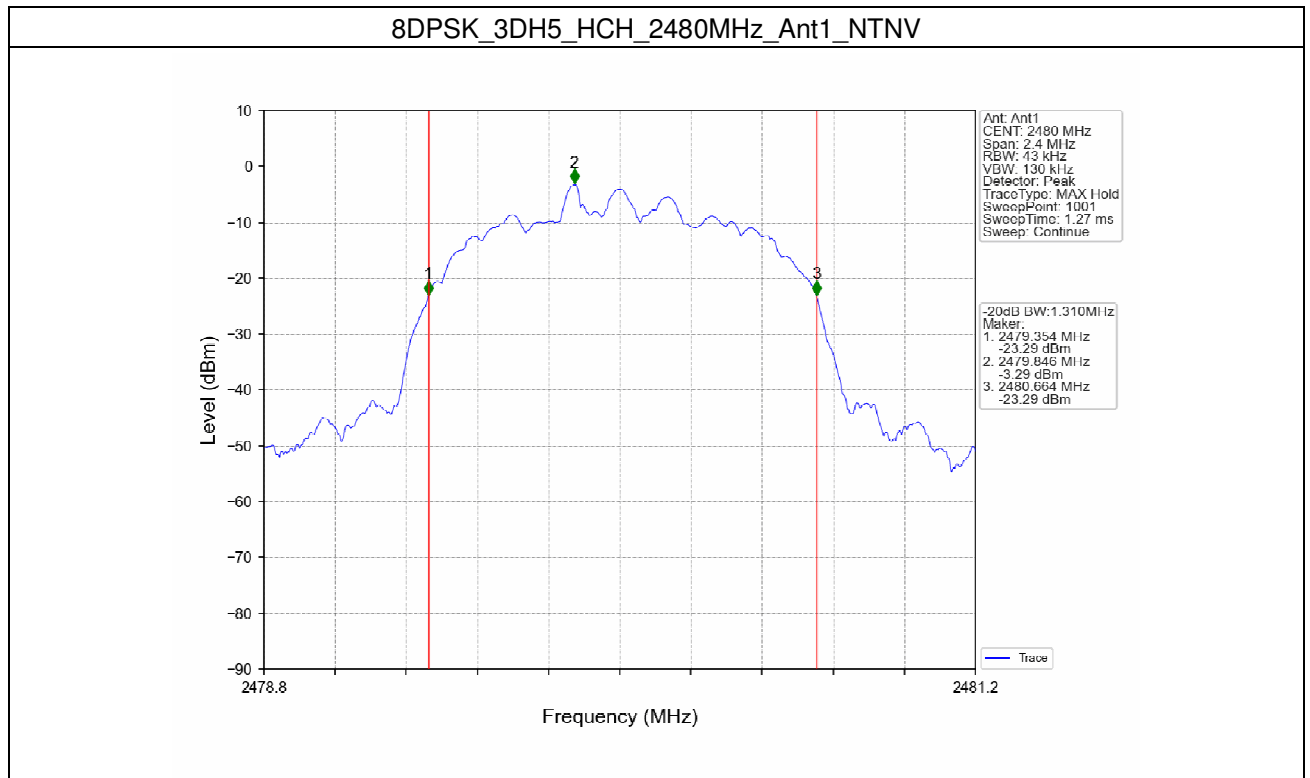
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## 2. Maximum Conducted Output Power

### 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	-1.85	<=30	Pass
		2441	DH5	-1.83	<=30	Pass
		2480	DH5	-2.09	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-0.93	<=20.97	Pass
		2441	2DH5	-0.94	<=20.97	Pass
		2480	2DH5	-1.17	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-0.52	<=20.97	Pass
		2441	3DH5	<b>-0.51</b>	<=20.97	Pass
		2480	3DH5	-0.77	<=20.97	Pass

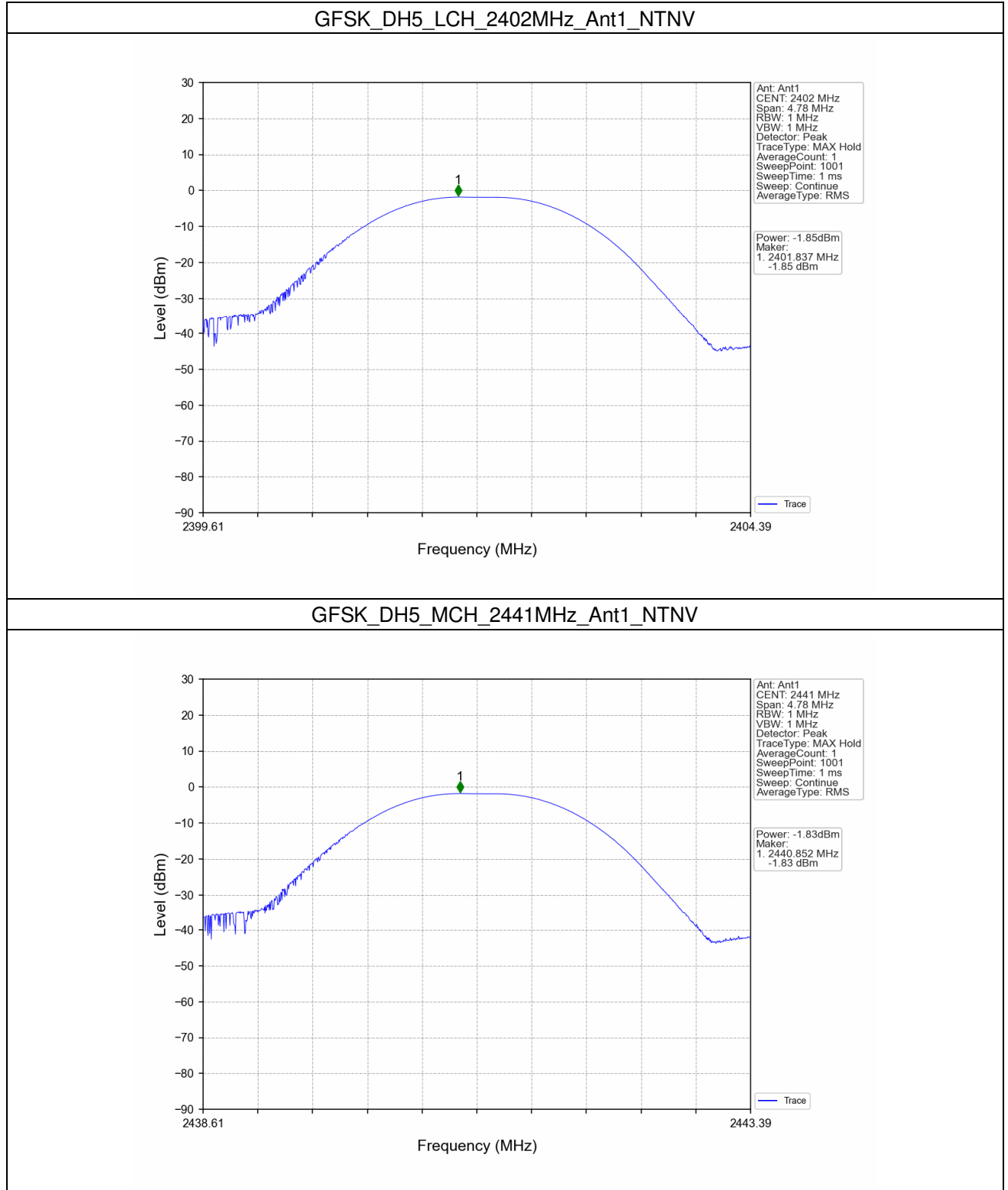
Note1: Antenna Gain: Ant1: 1.22 dBi;



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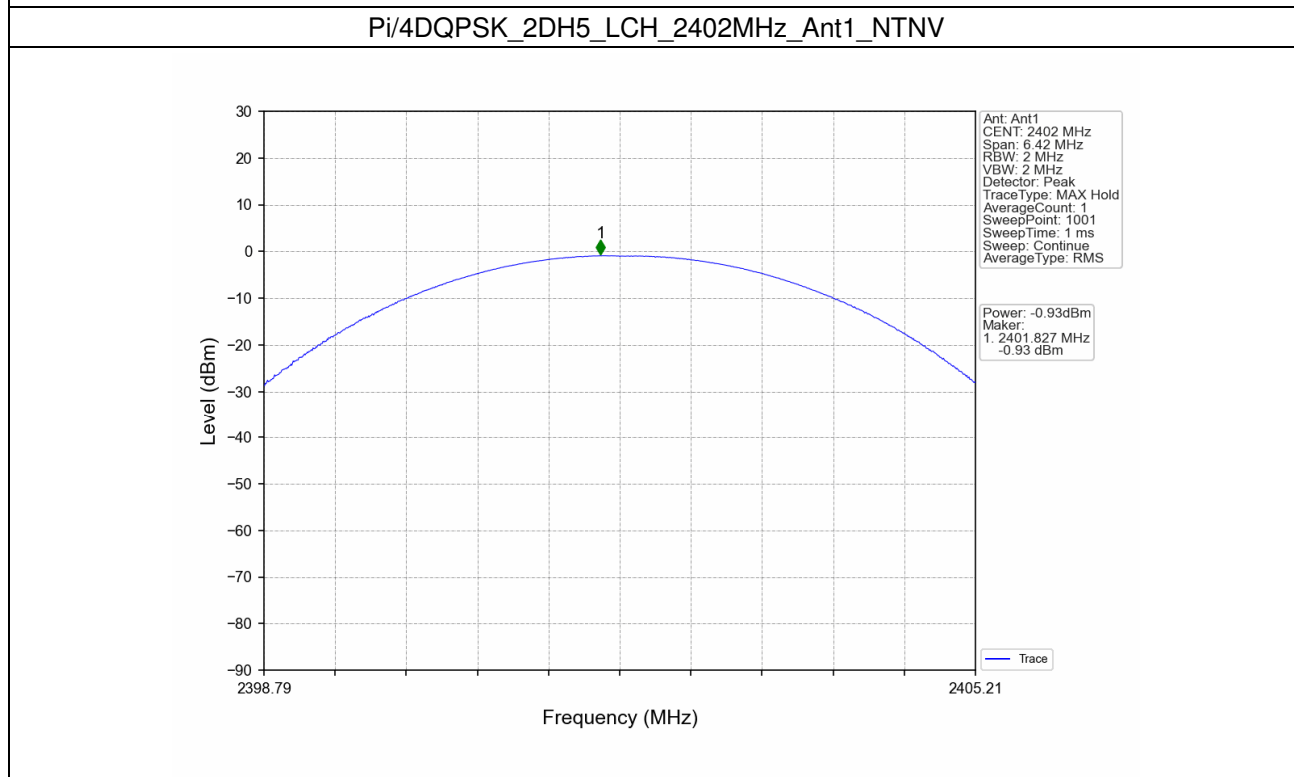
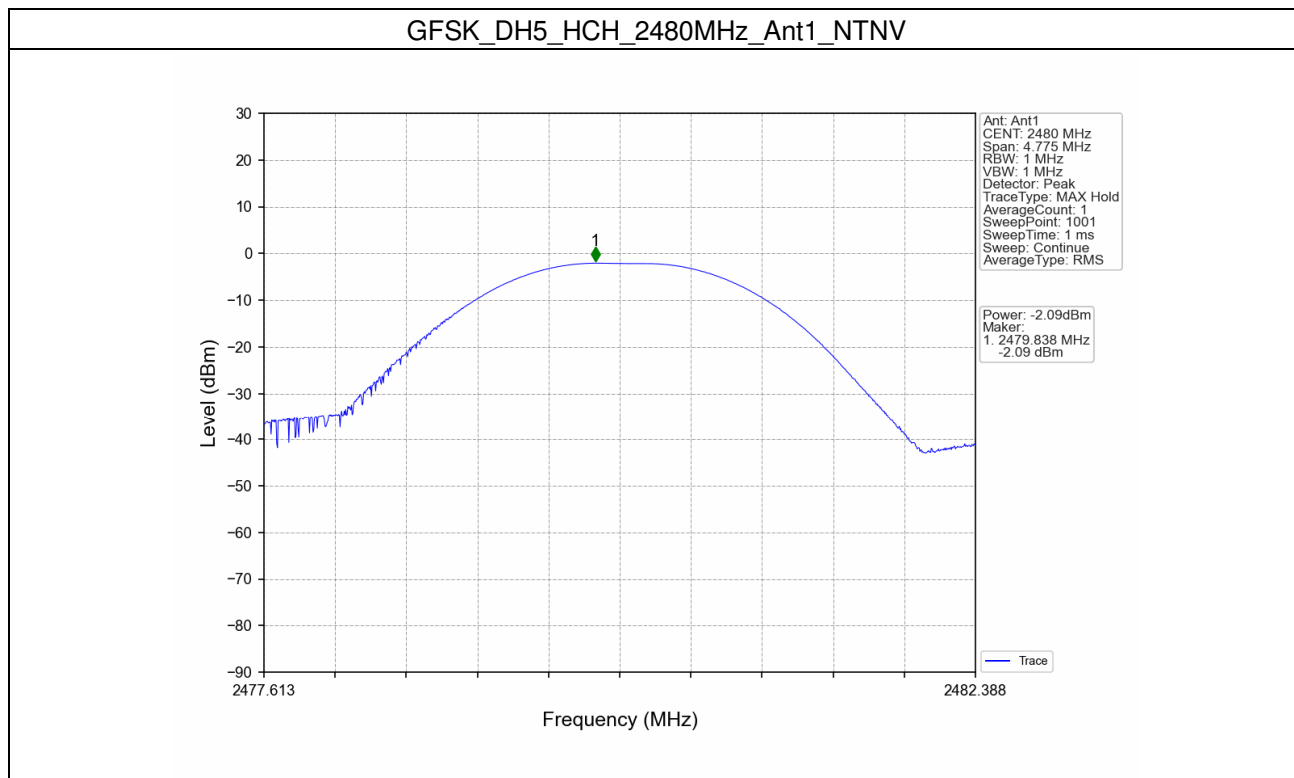
### 2.1.2 Test Graph



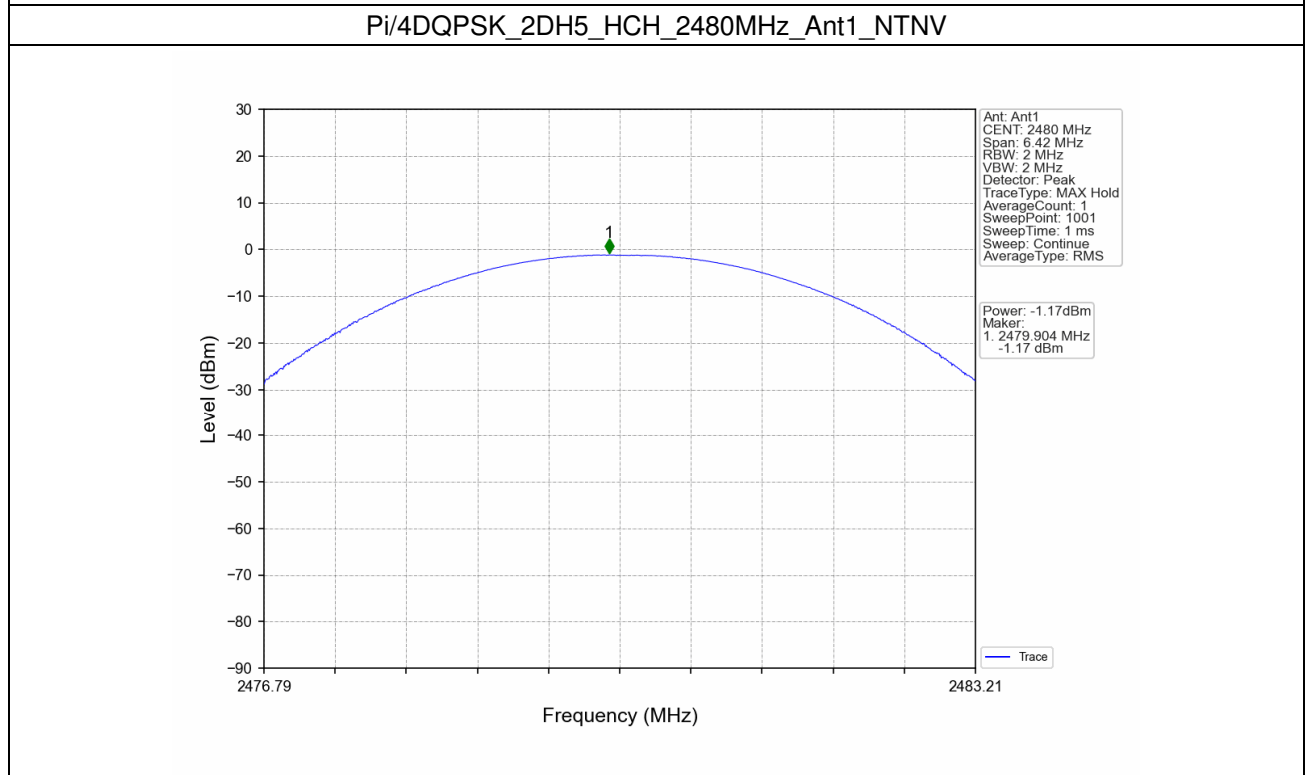
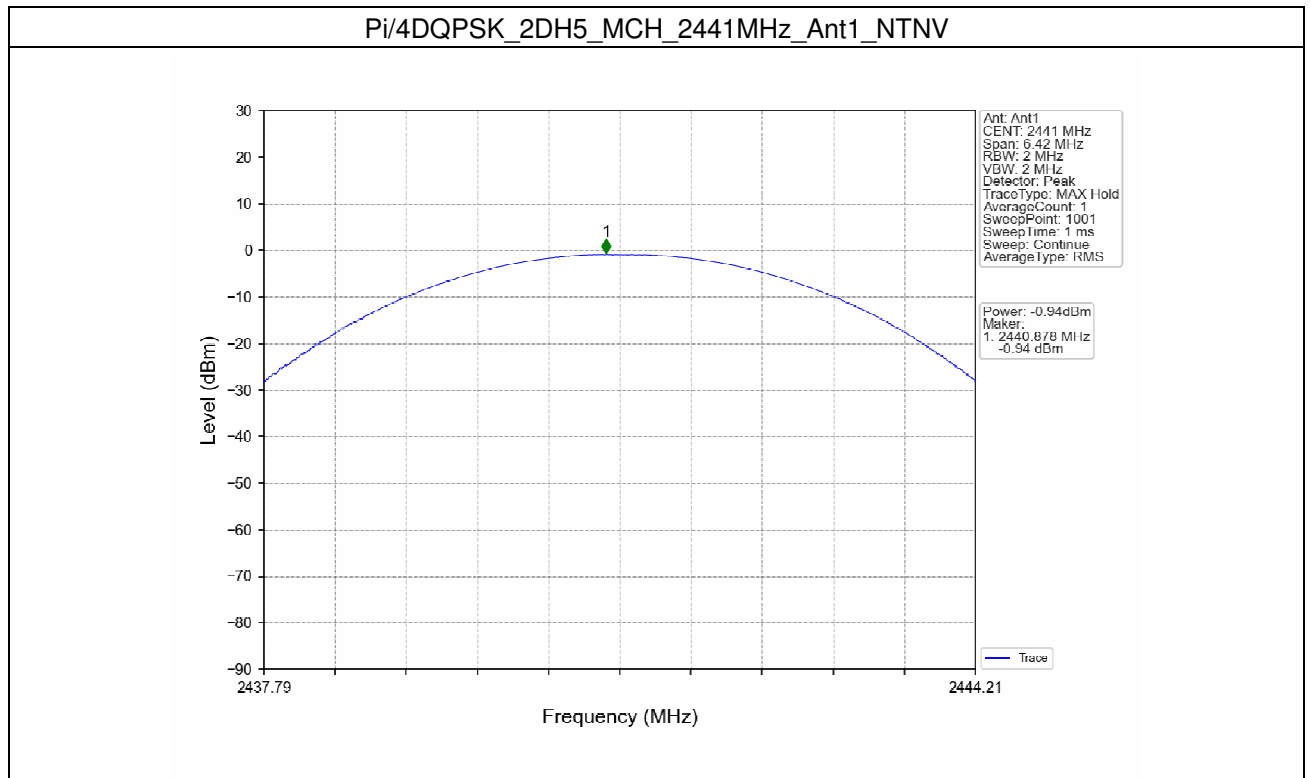
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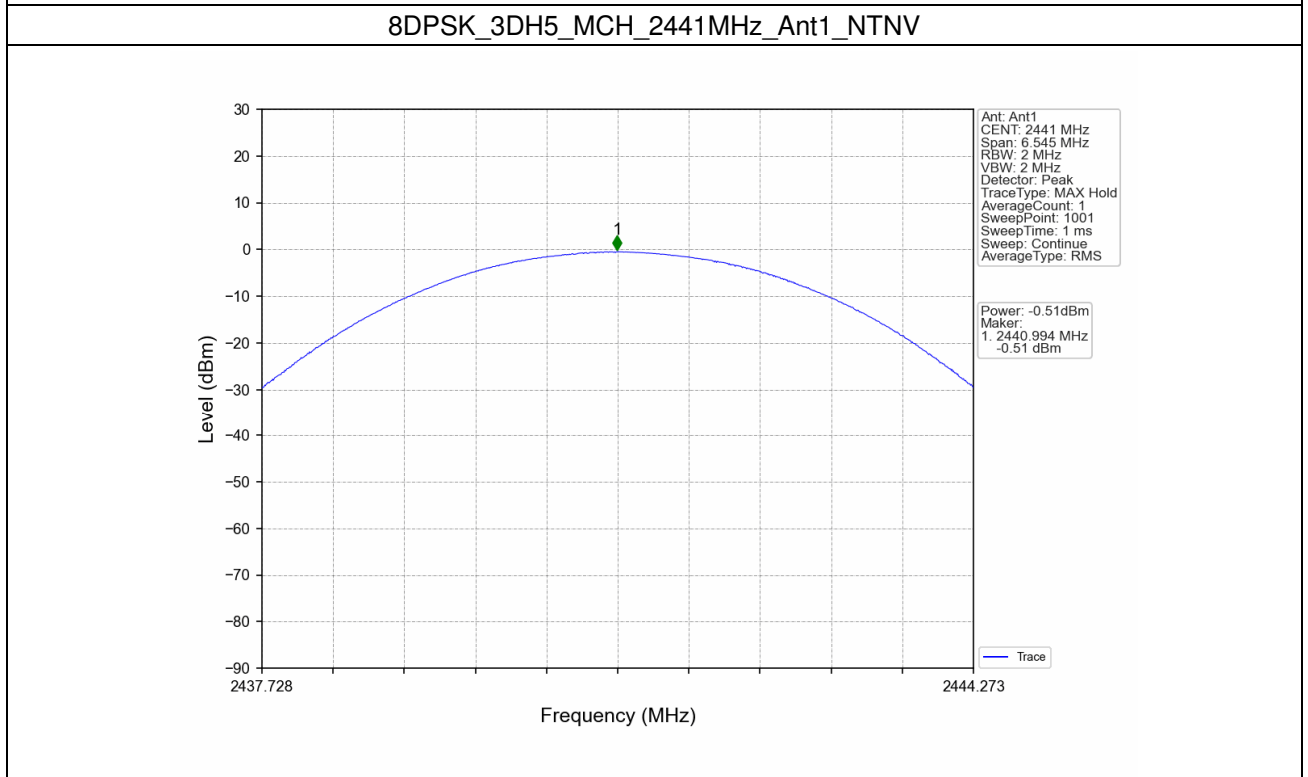
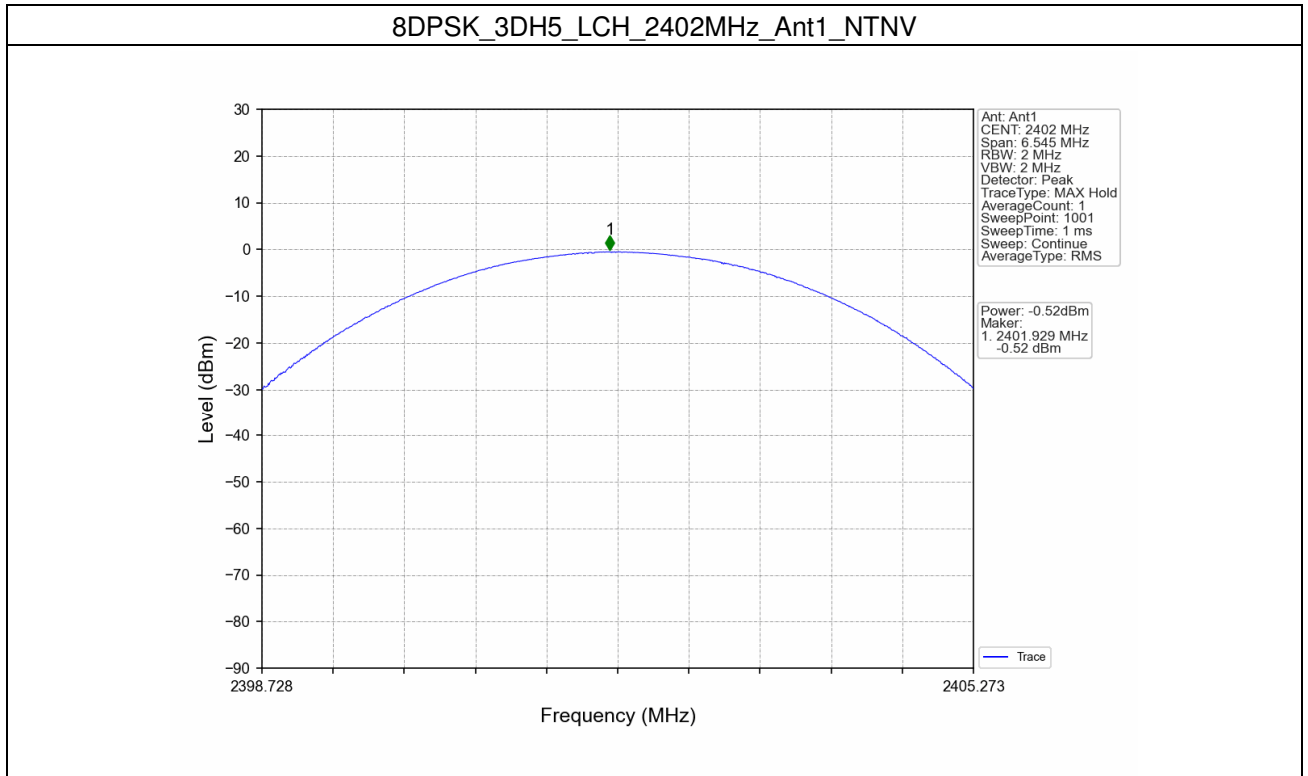




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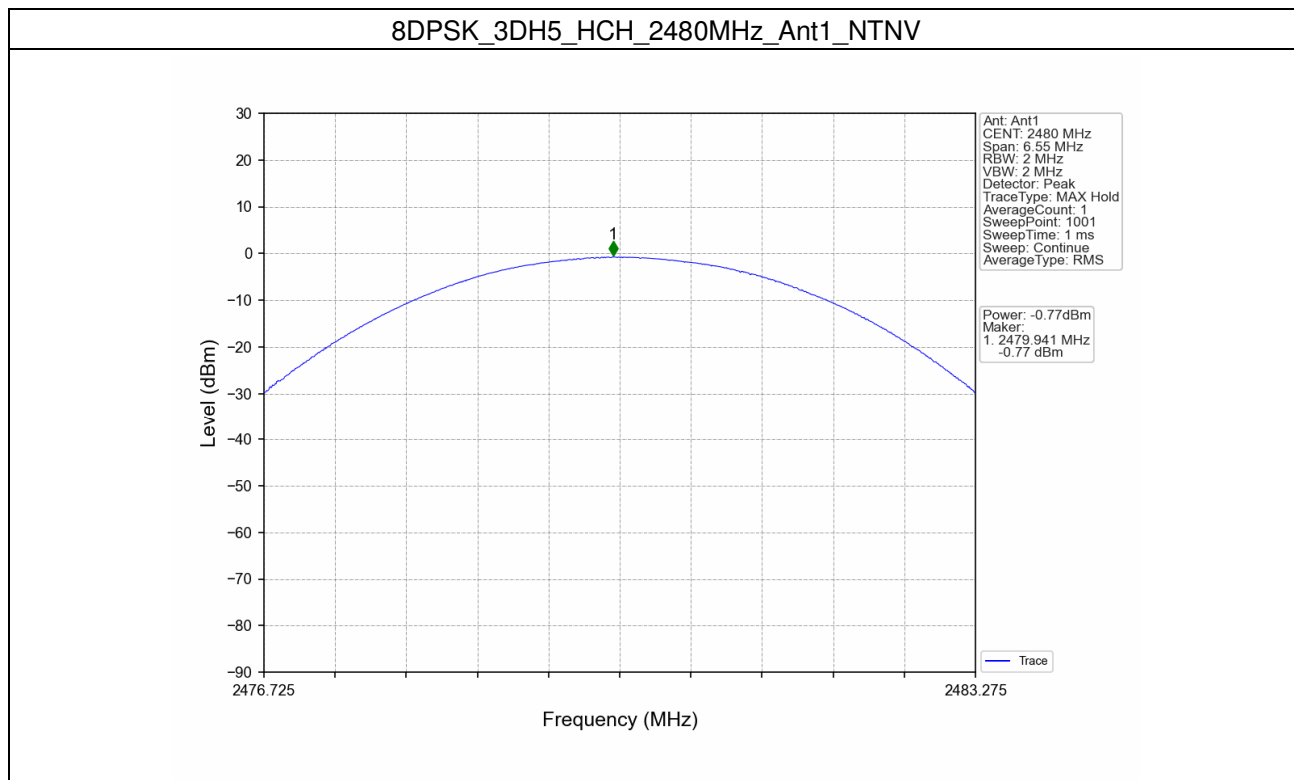
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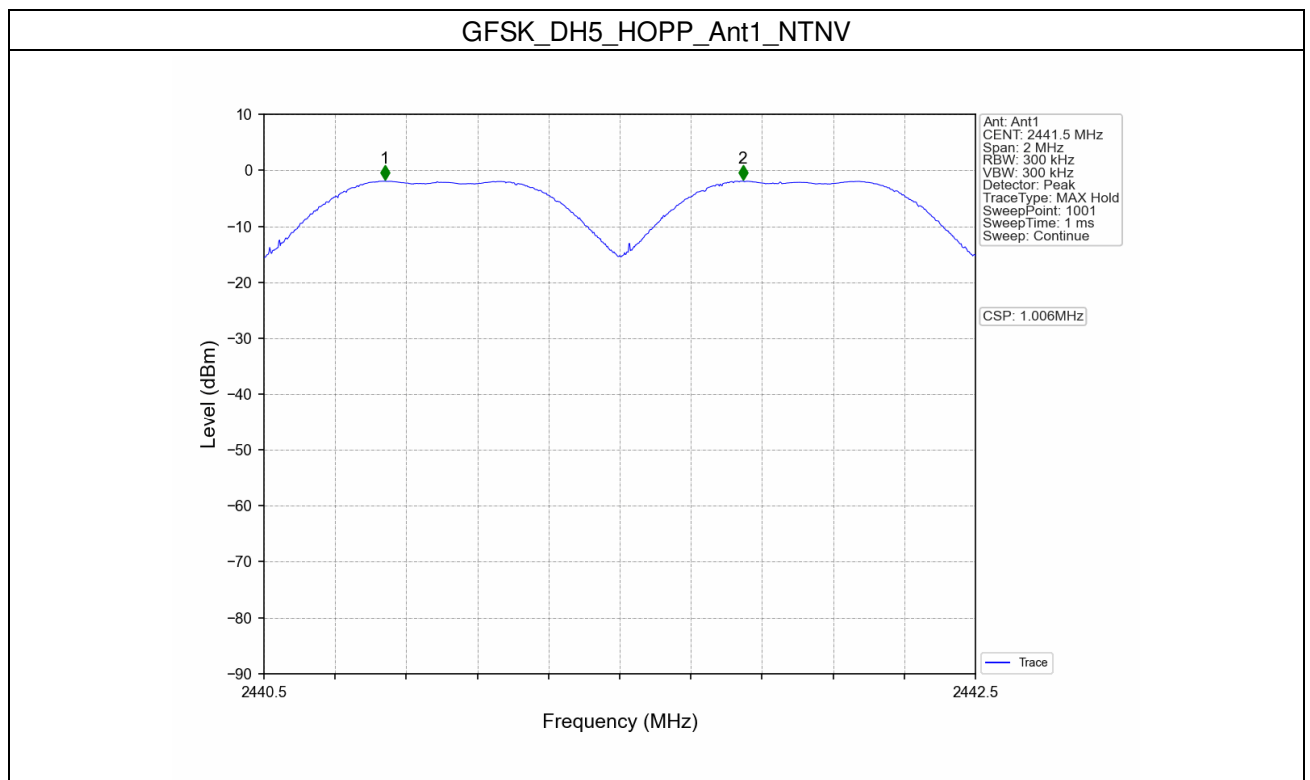
### 3. Carrier Frequency Separation

#### 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	1.006	0.956	$\geq 0.956$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.003	1.284	$\geq 0.856$	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.310	$\geq 0.873$	Pass

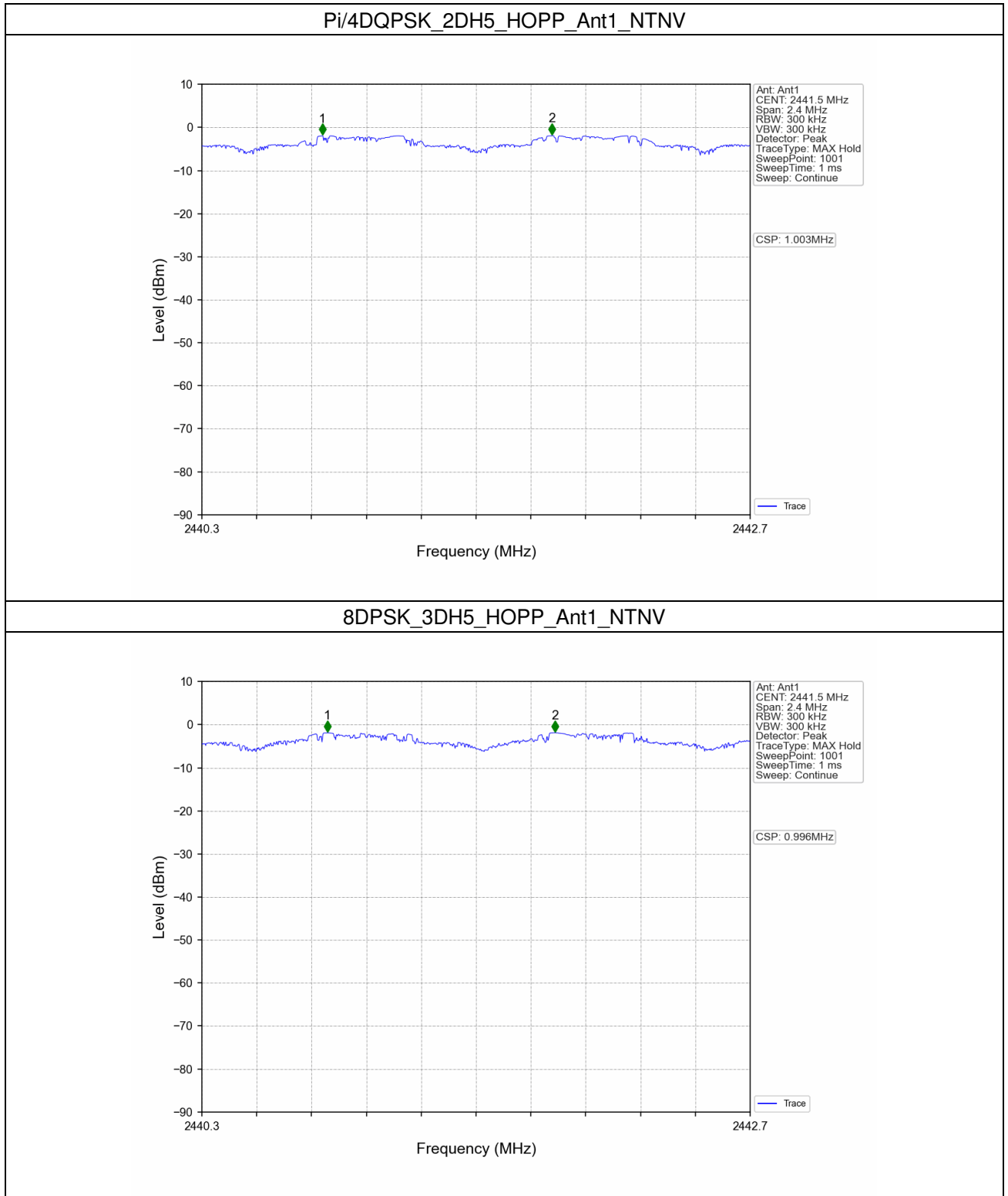
##### 3.1.2 Test Graph



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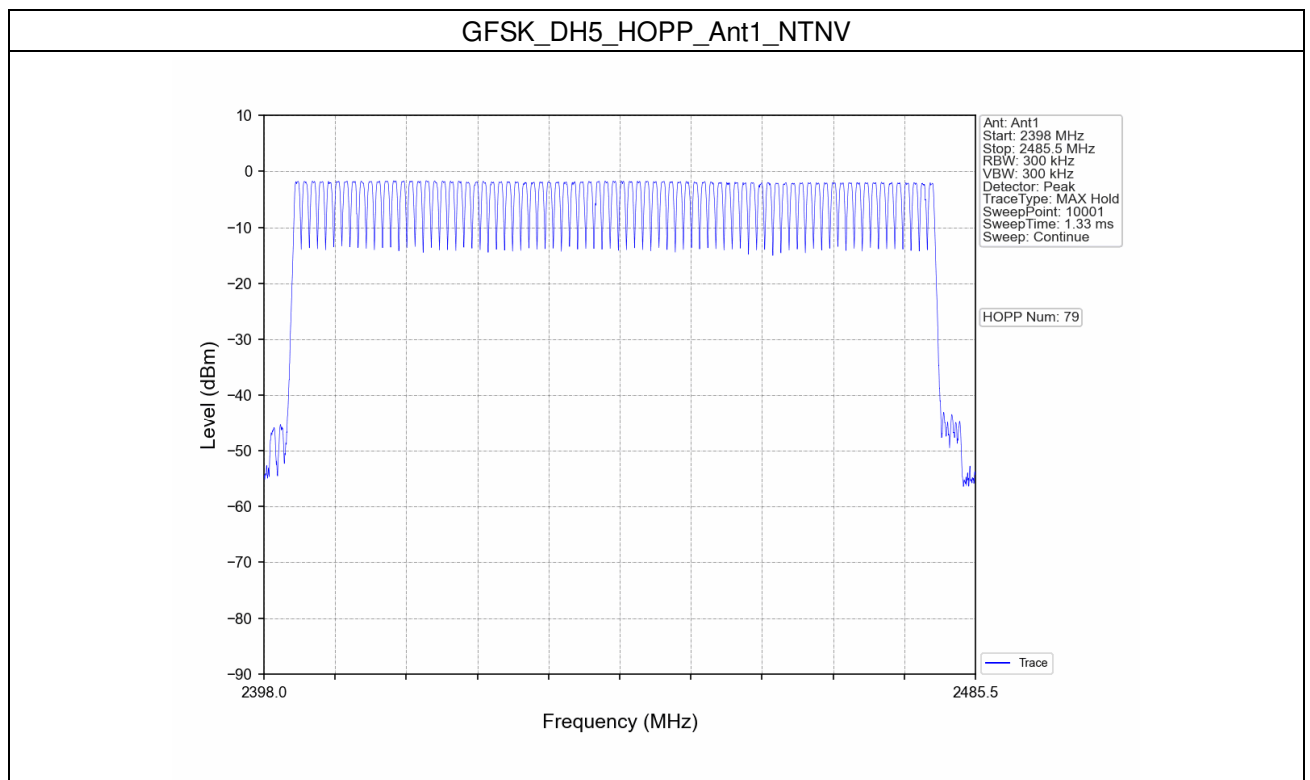
### 4. Number of Hopping Frequencies

#### 4.1 HoppNum

##### 4.1.1 Test Result

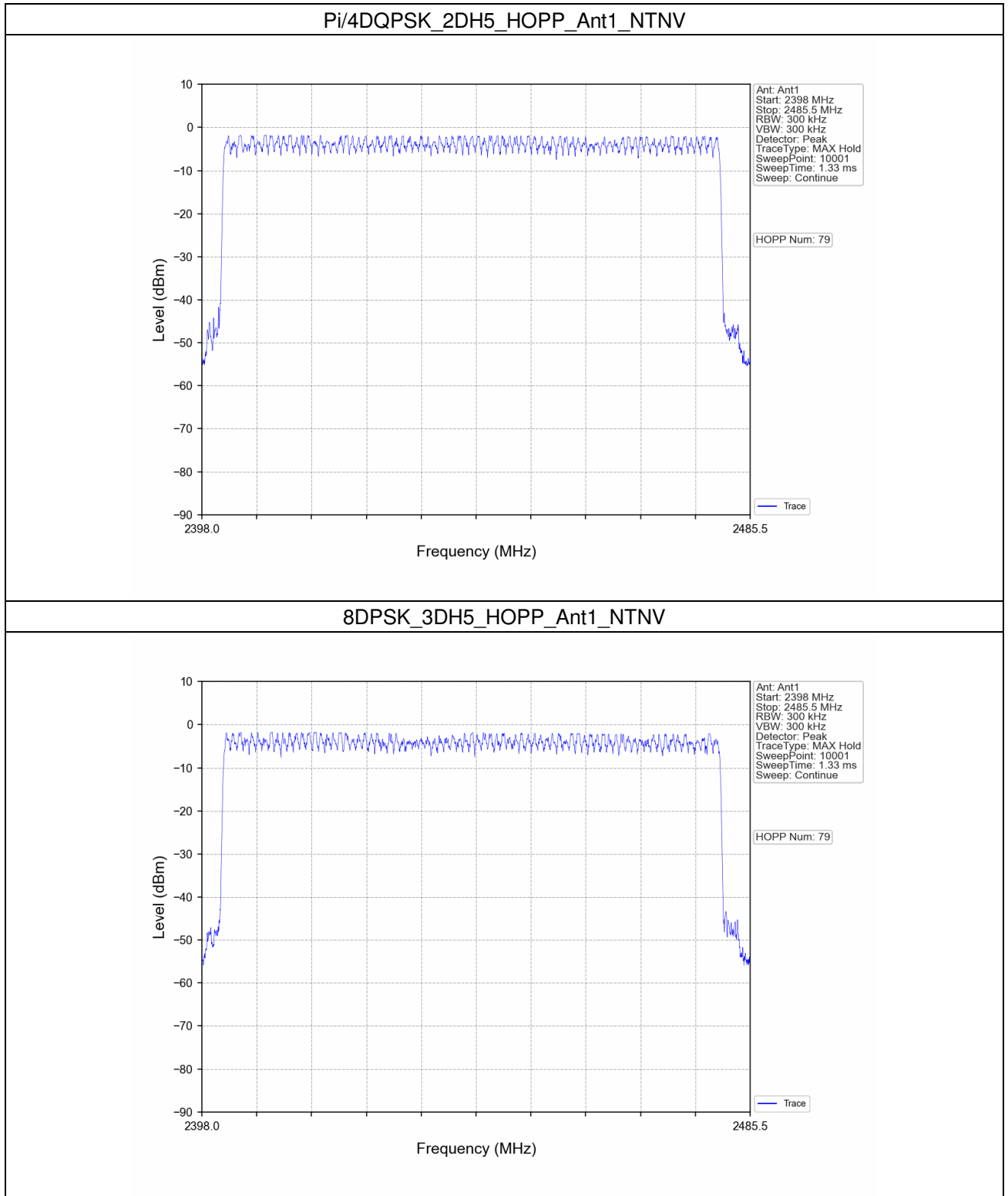
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

##### 4.1.2 Test Graph



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## 5. Time of Occupancy (Dwell Time)

### 5.1 Ant1

#### 5.1.1 Test Result

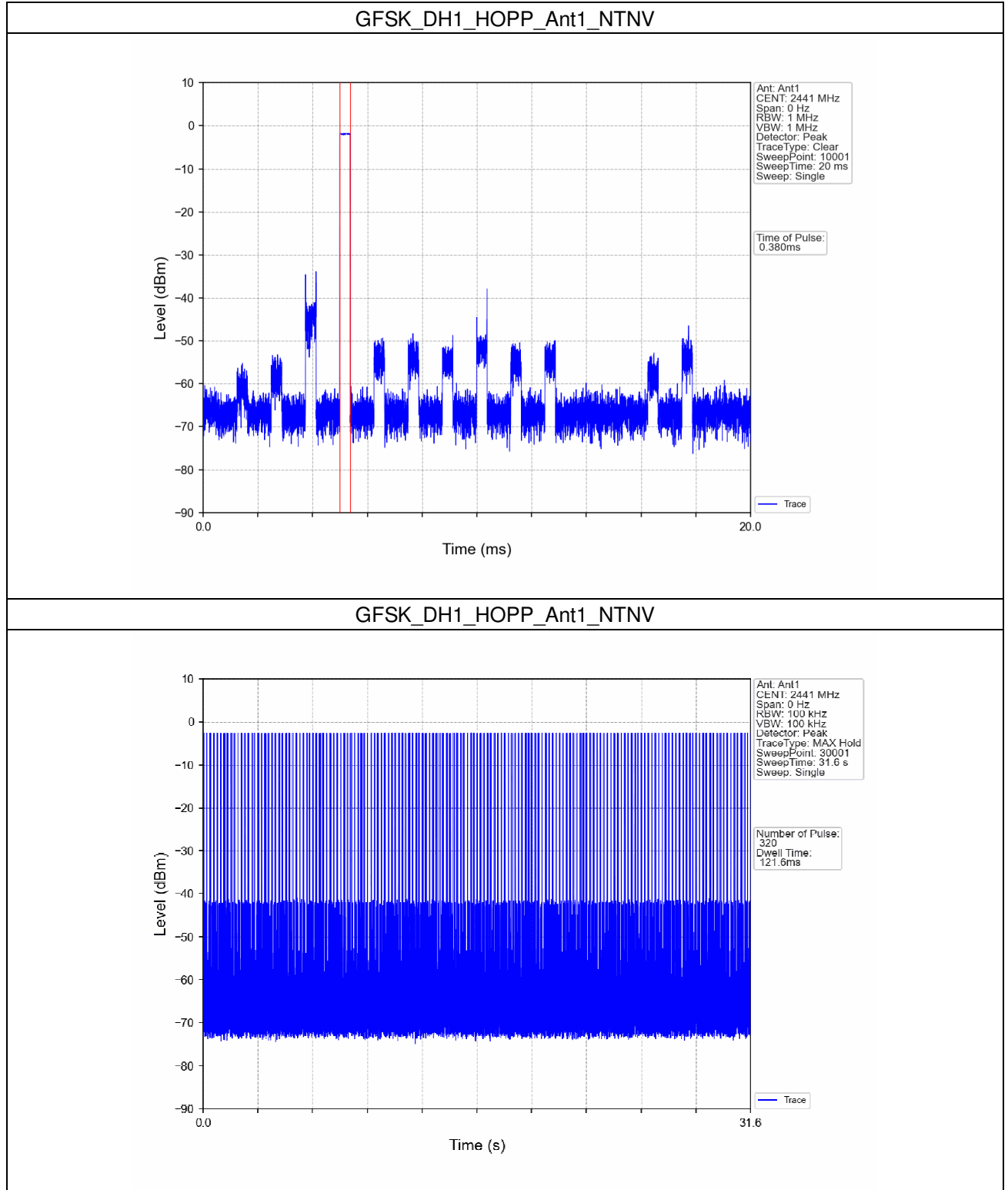
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.380	31.600	320	121.600	<=400	Pass
			DH3	1.640	31.600	161	264.040	<=400	Pass
			DH5	2.888	31.600	114	329.232	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass
			2DH3	1.646	31.600	162	266.652	<=400	Pass
			2DH5	2.894	31.600	98	283.612	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	318	124.020	<=400	Pass
			3DH3	1.642	31.600	159	261.078	<=400	Pass
			3DH5	2.890	31.600	101	291.890	<=400	Pass



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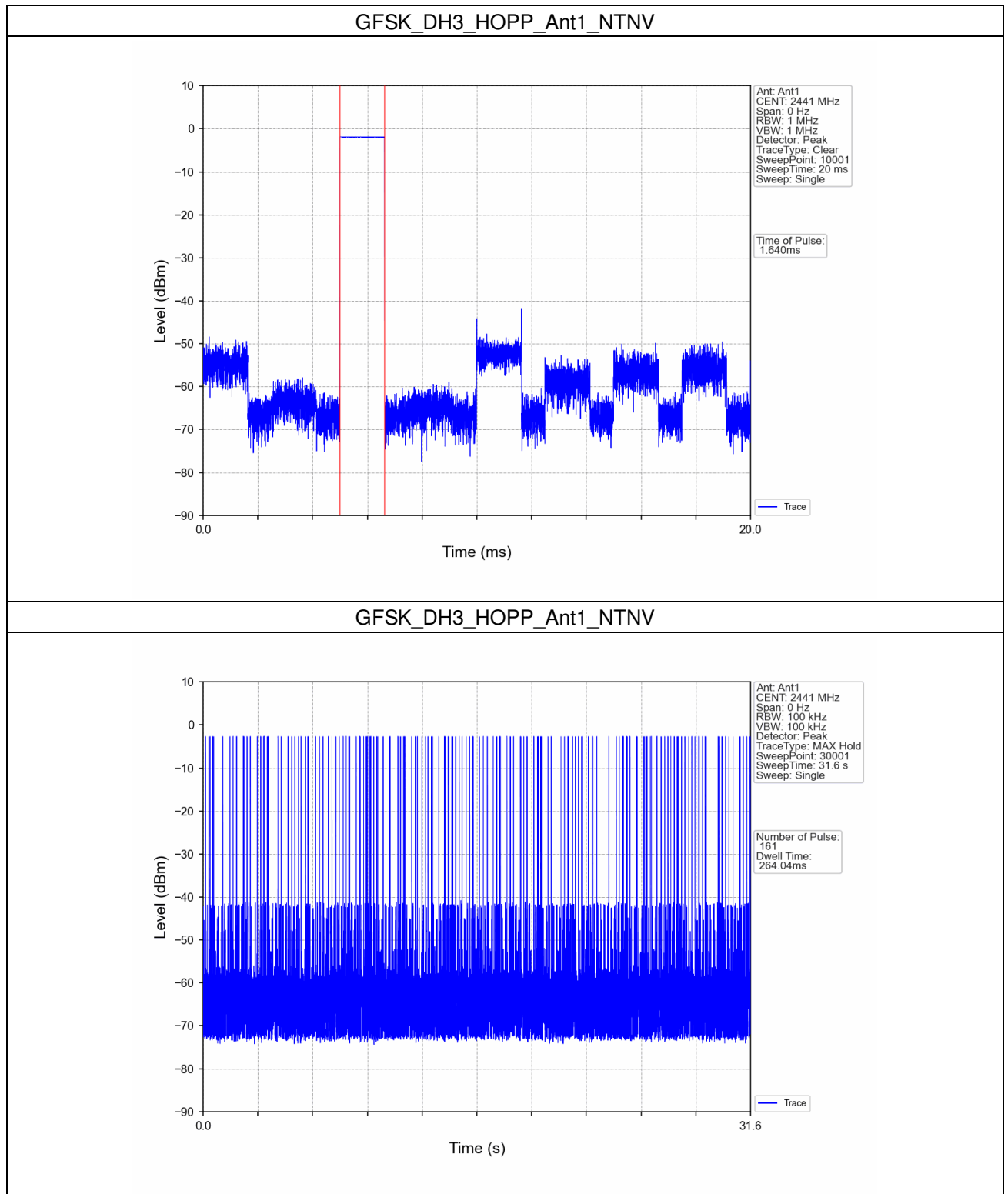
### 5.1.2 Test Graph



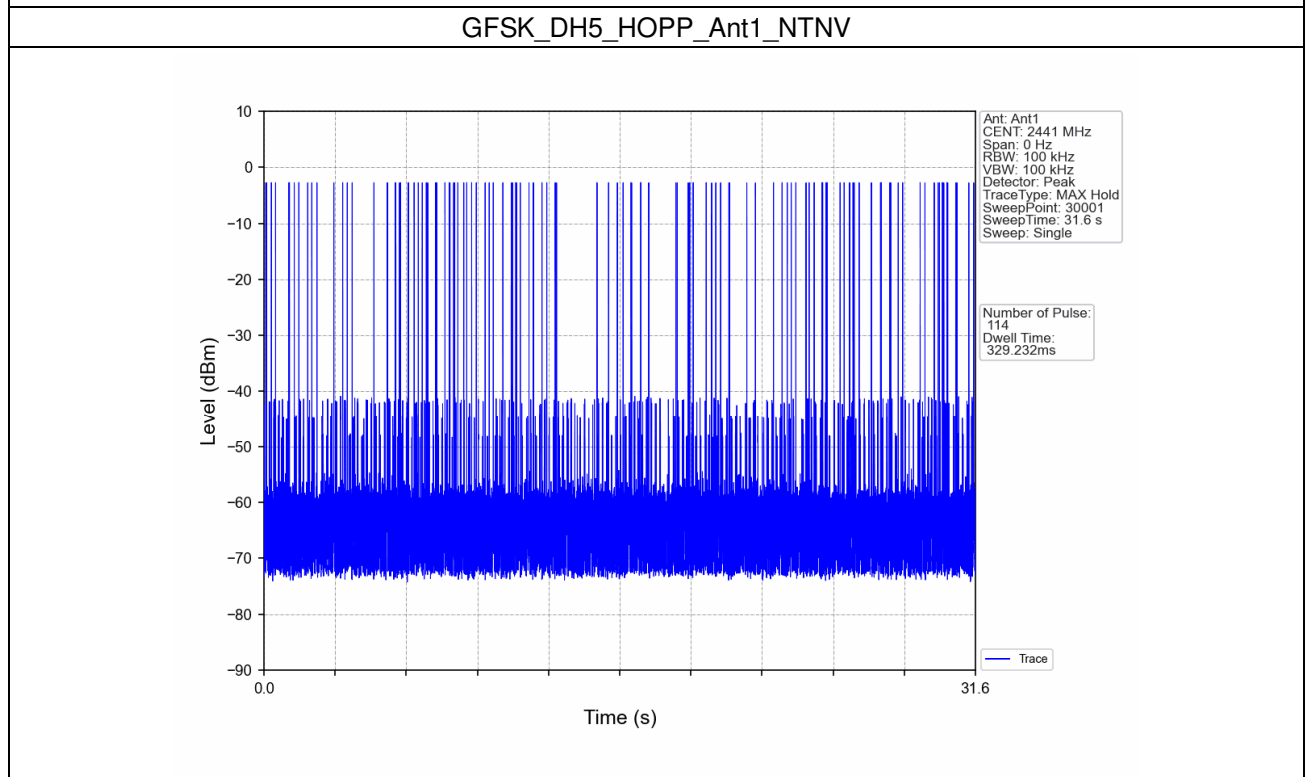
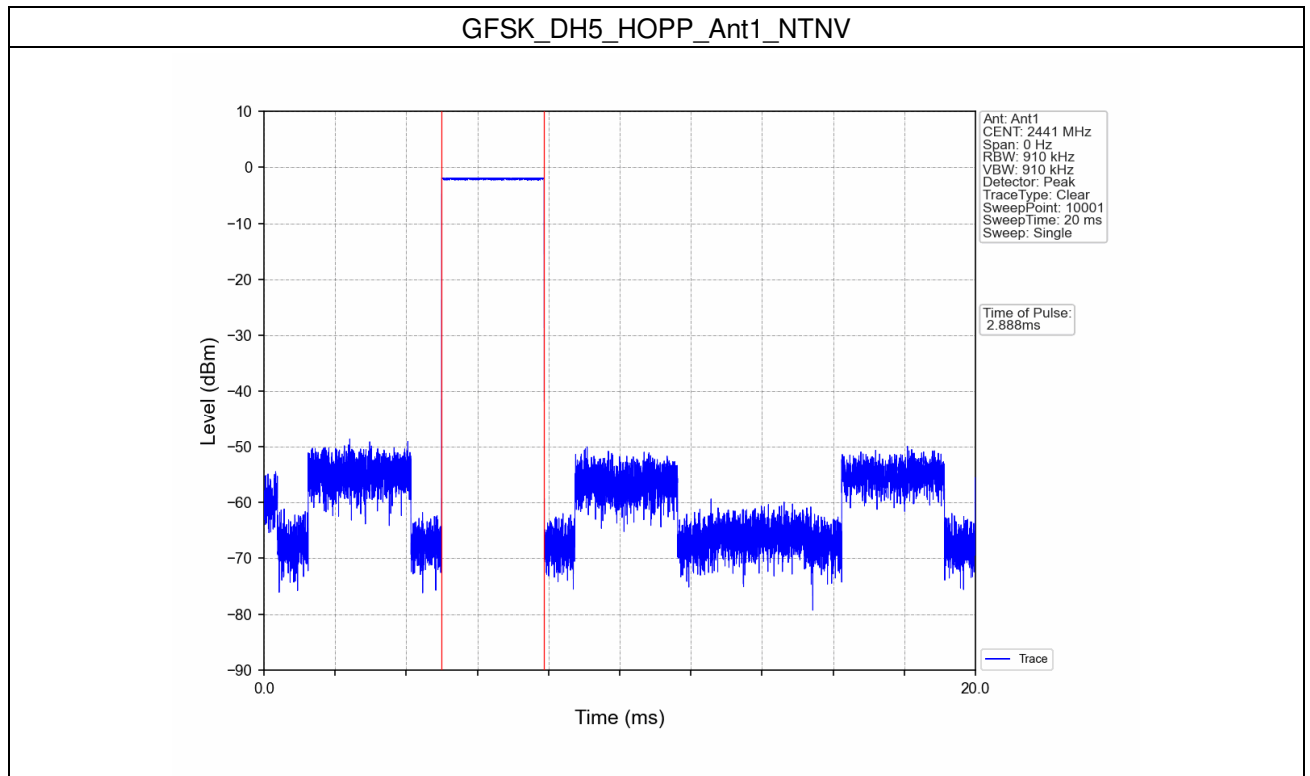
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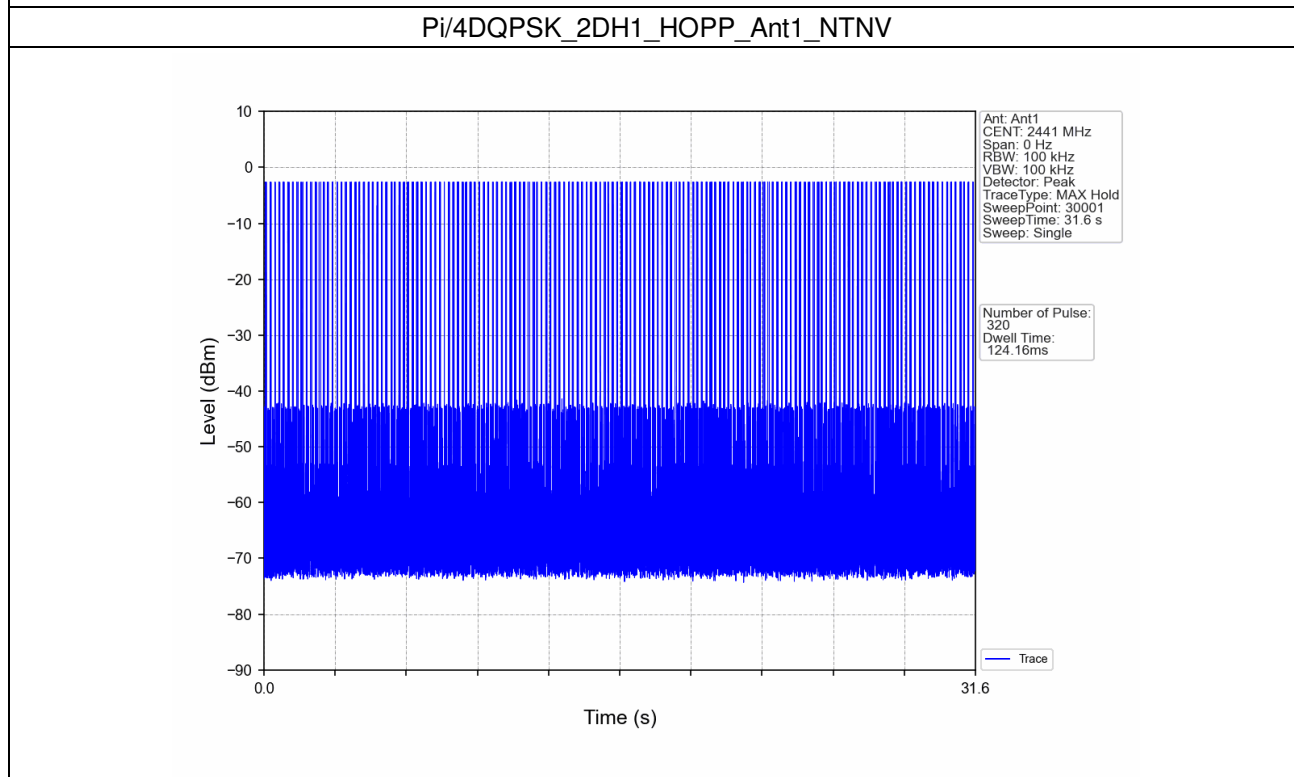
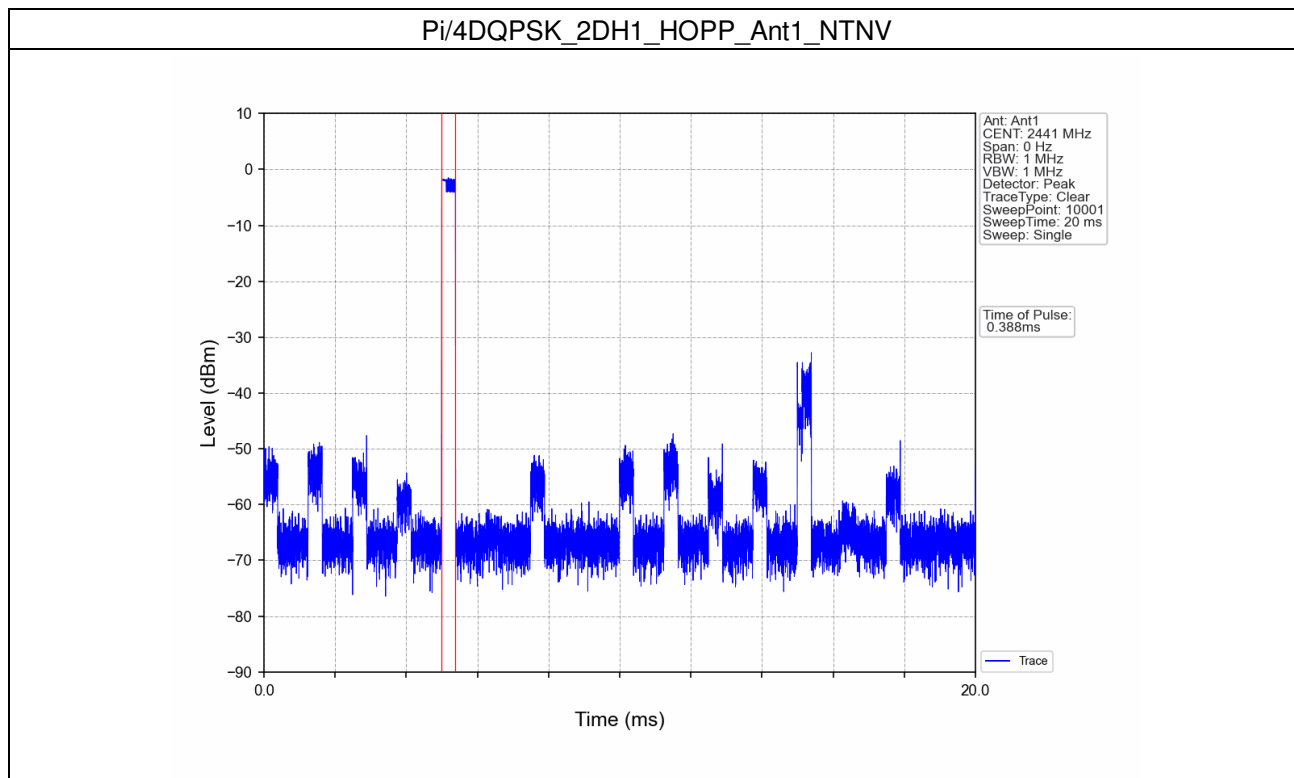


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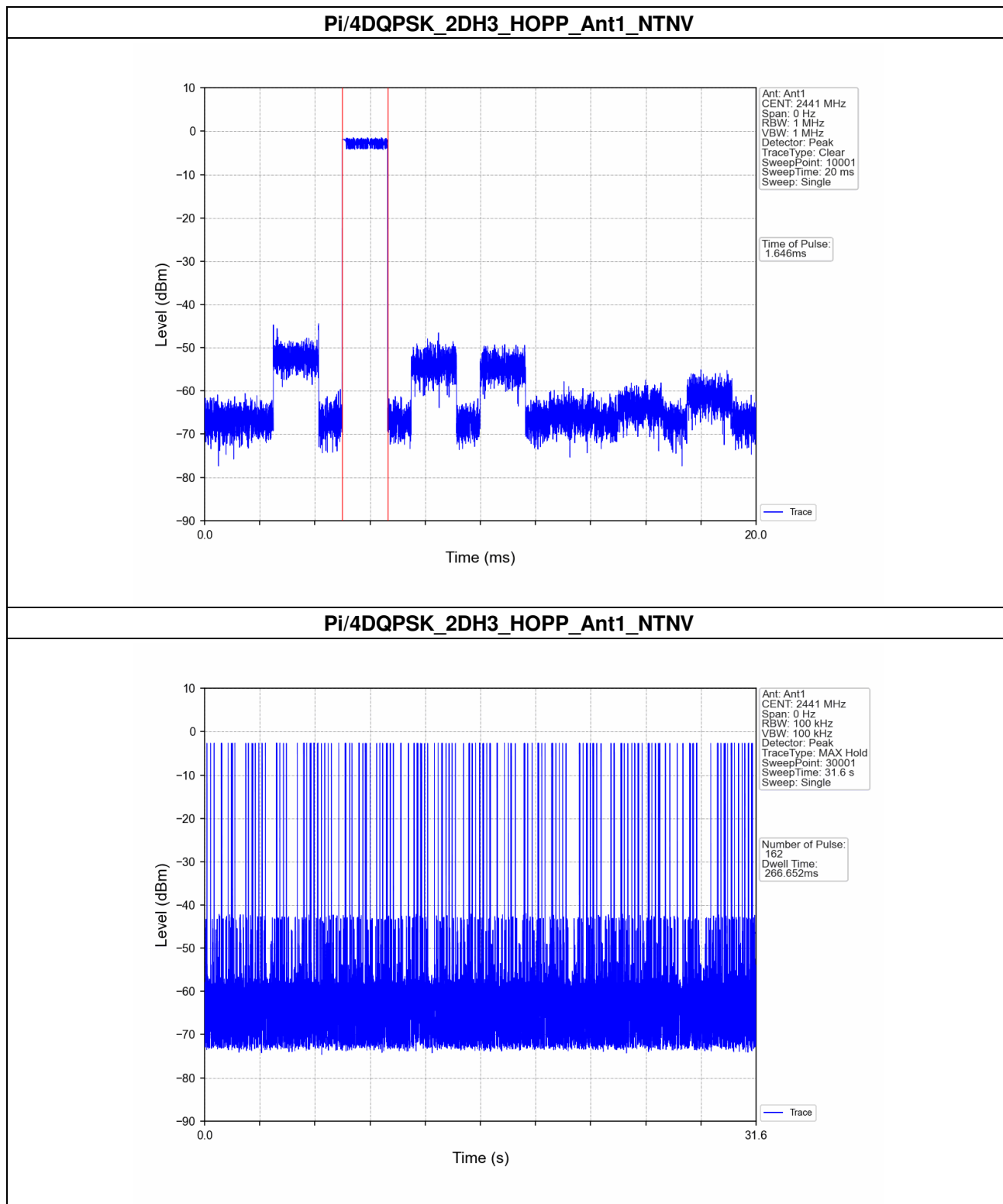
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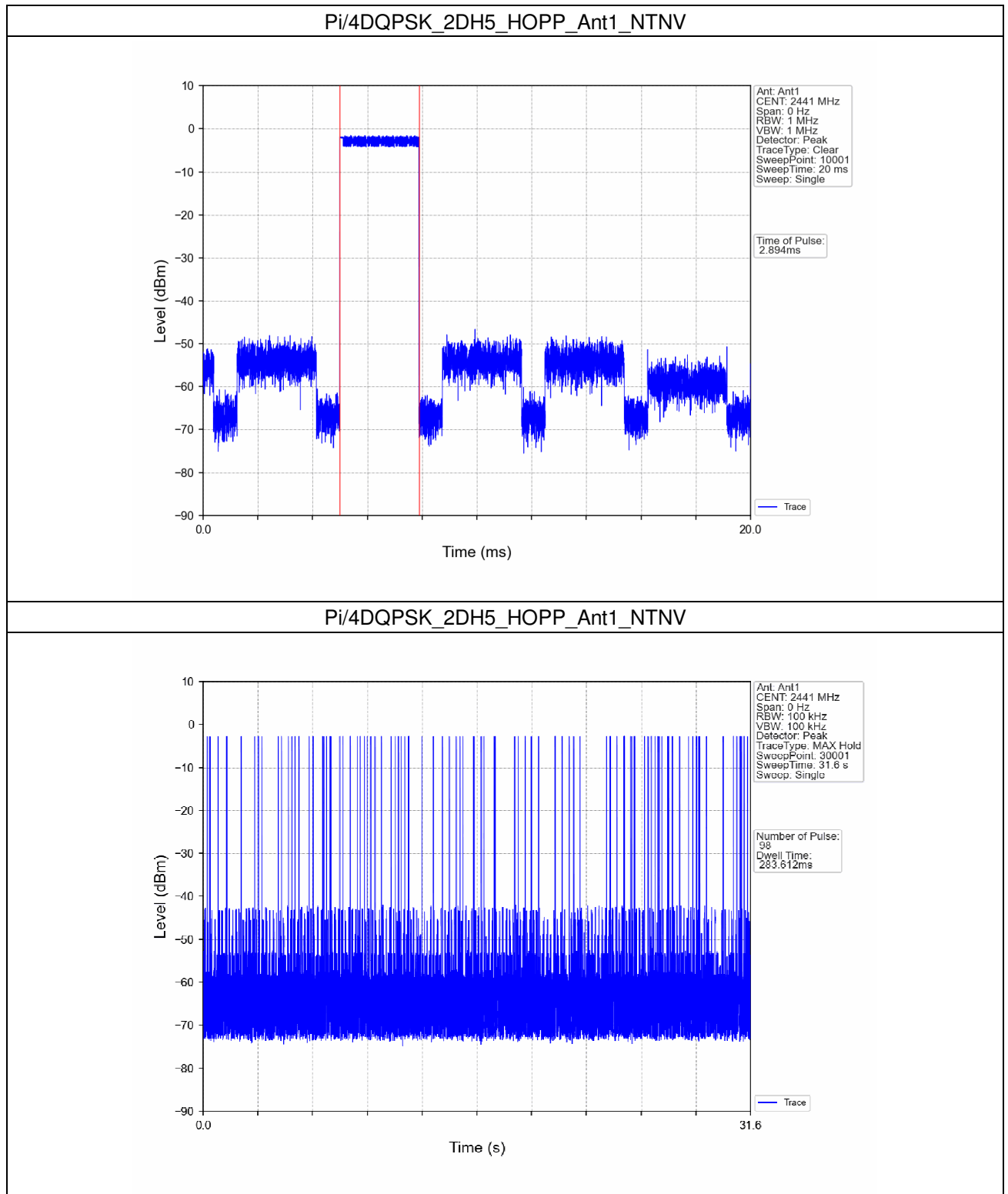
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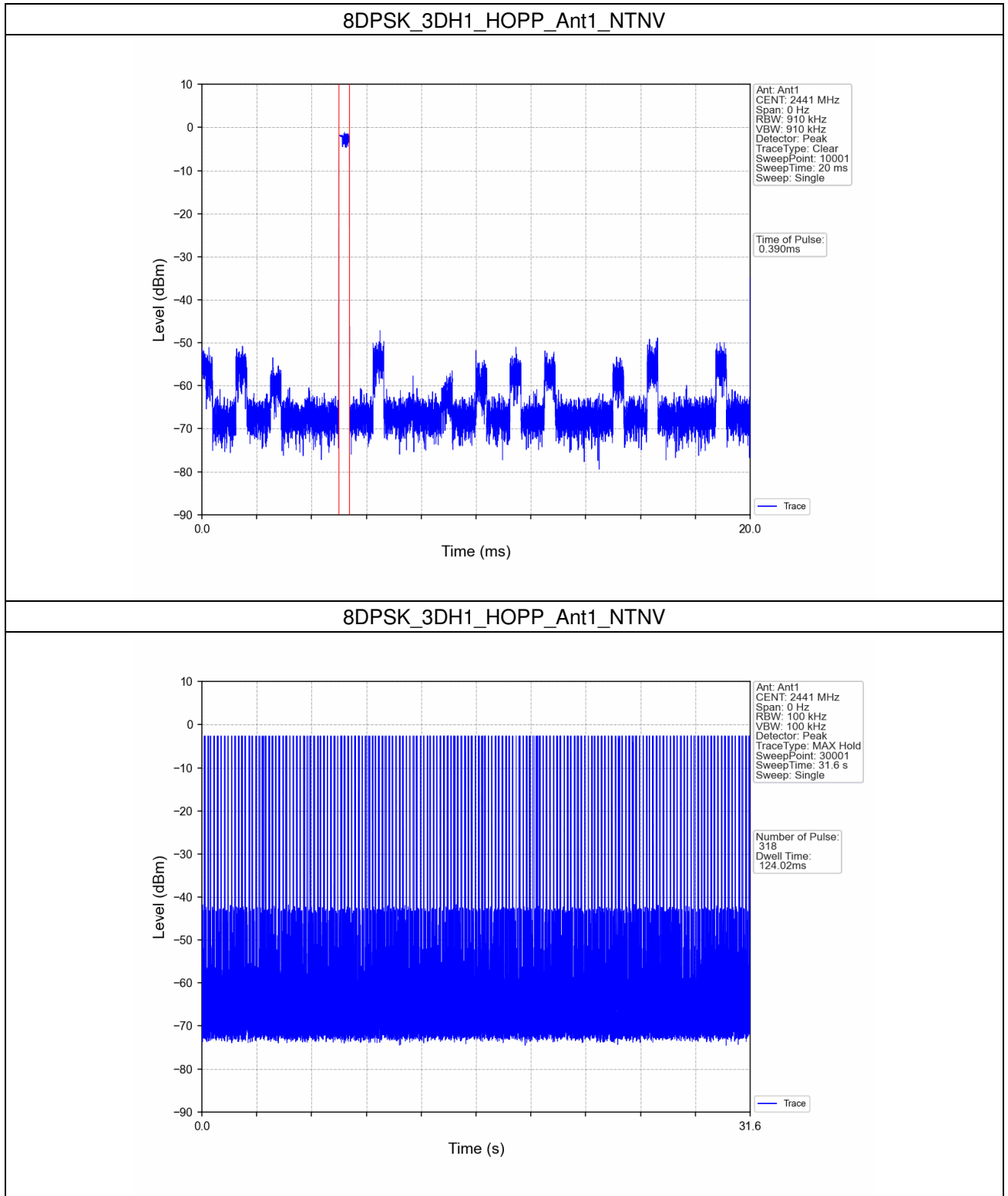
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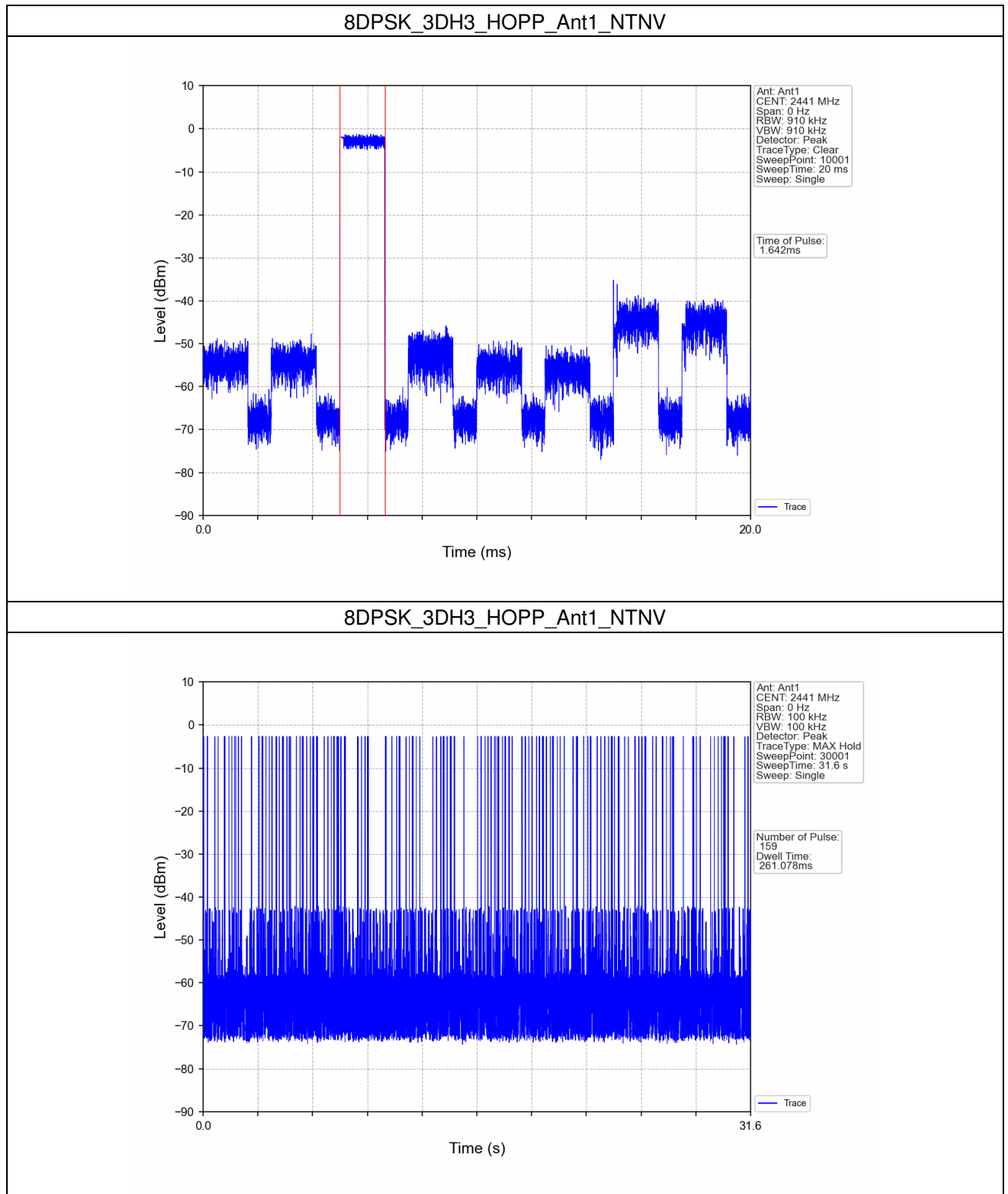
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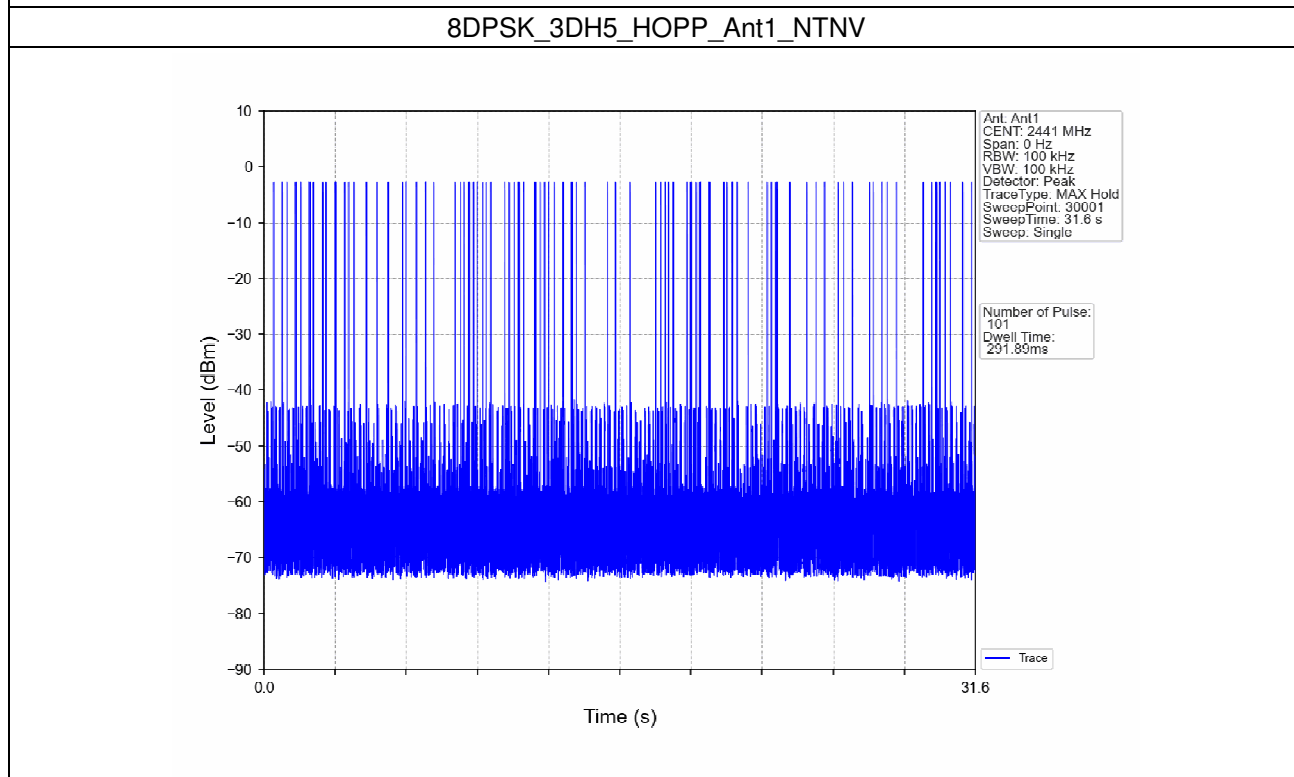
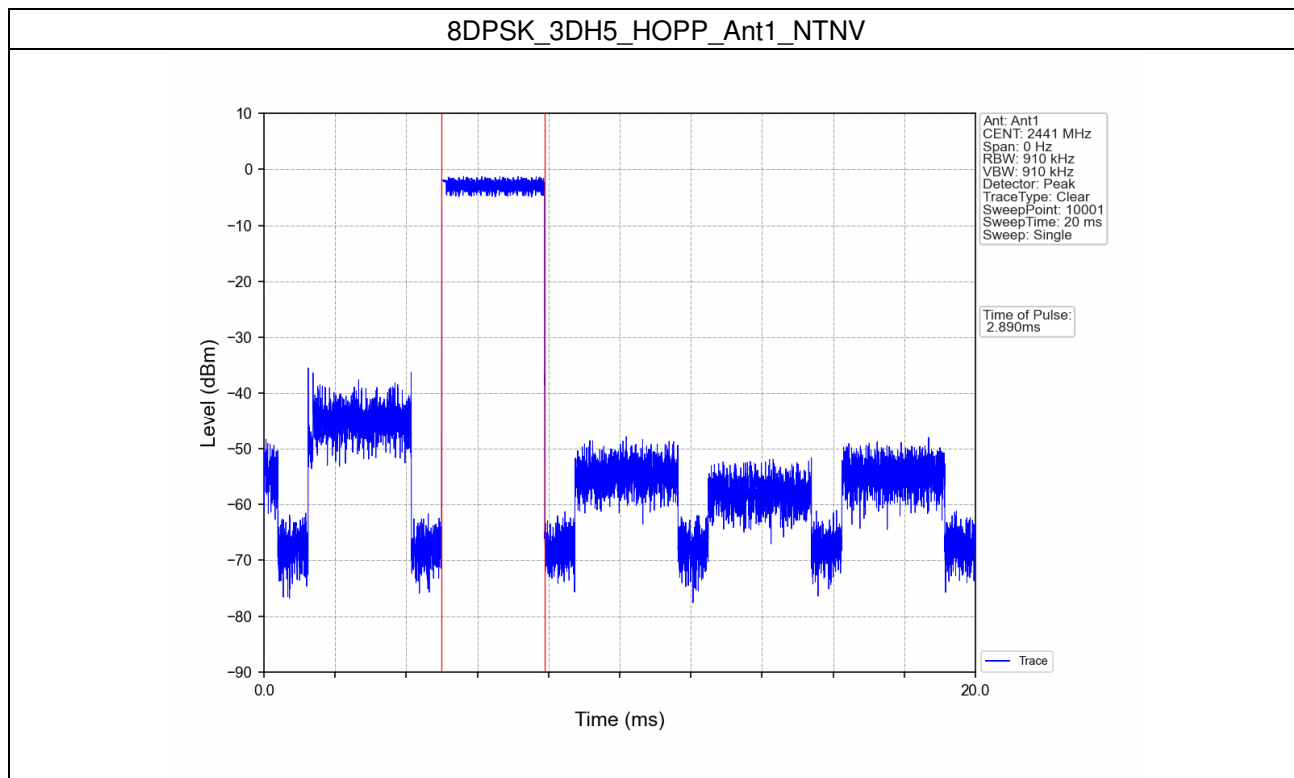


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## 6. Unwanted Emissions In Non-restricted Frequency Bands

### 6.1 Ref

#### 6.1.1 Test Result

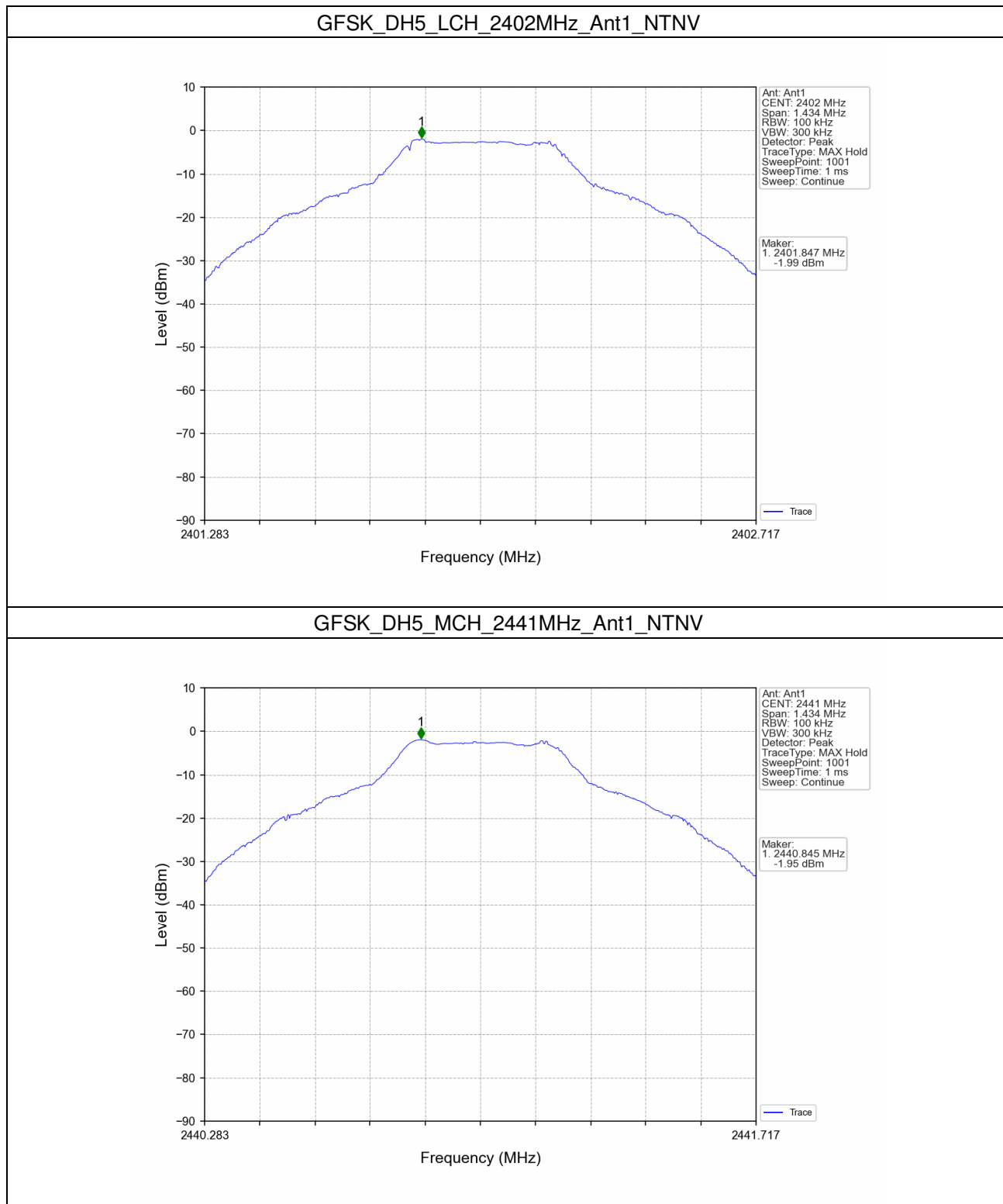
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-1.99
		2441	DH5	1	-1.95
		2480	DH5	1	-2.43
Pi/4DQPSK	SISO	2402	2DH5	1	-2.07
		2441	2DH5	1	-2.00
		2480	2DH5	1	-2.27
8DPSK	SISO	2402	3DH5	1	-1.96
		2441	3DH5	1	-1.93
		2480	3DH5	1	-2.19

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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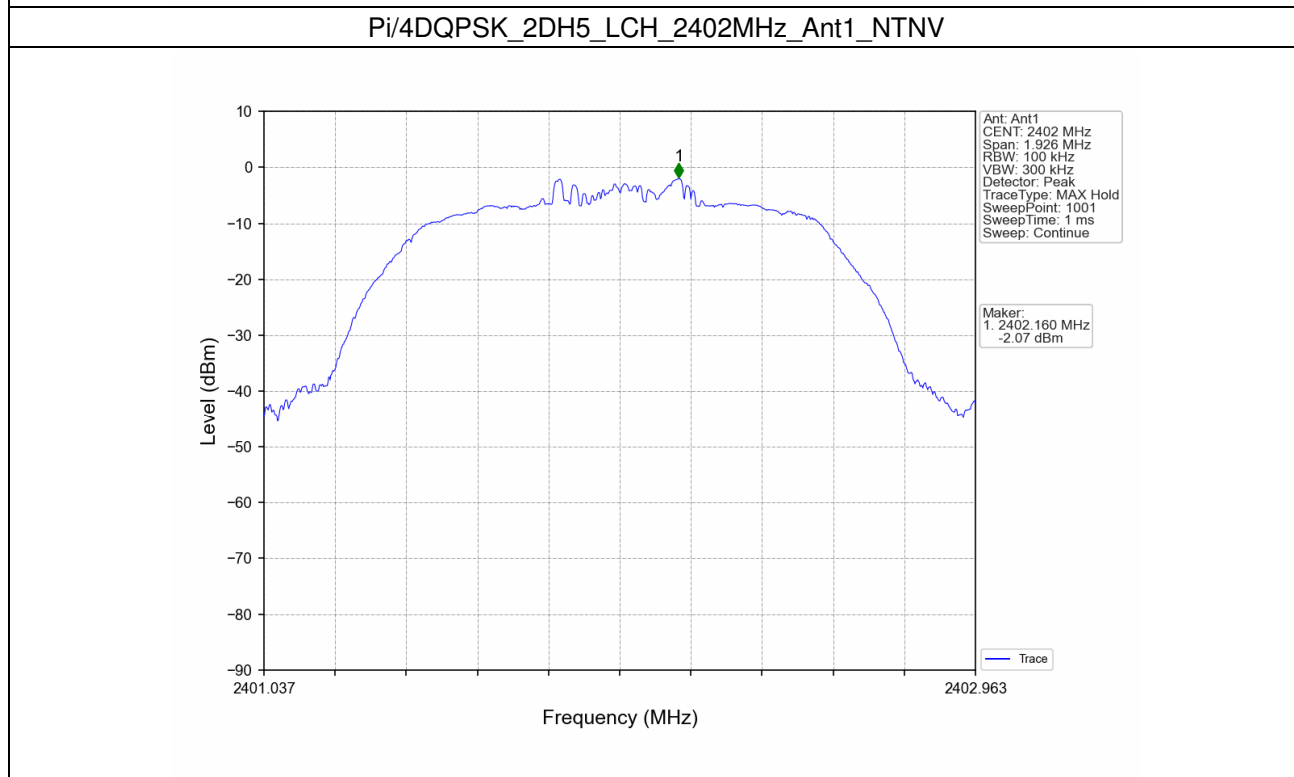
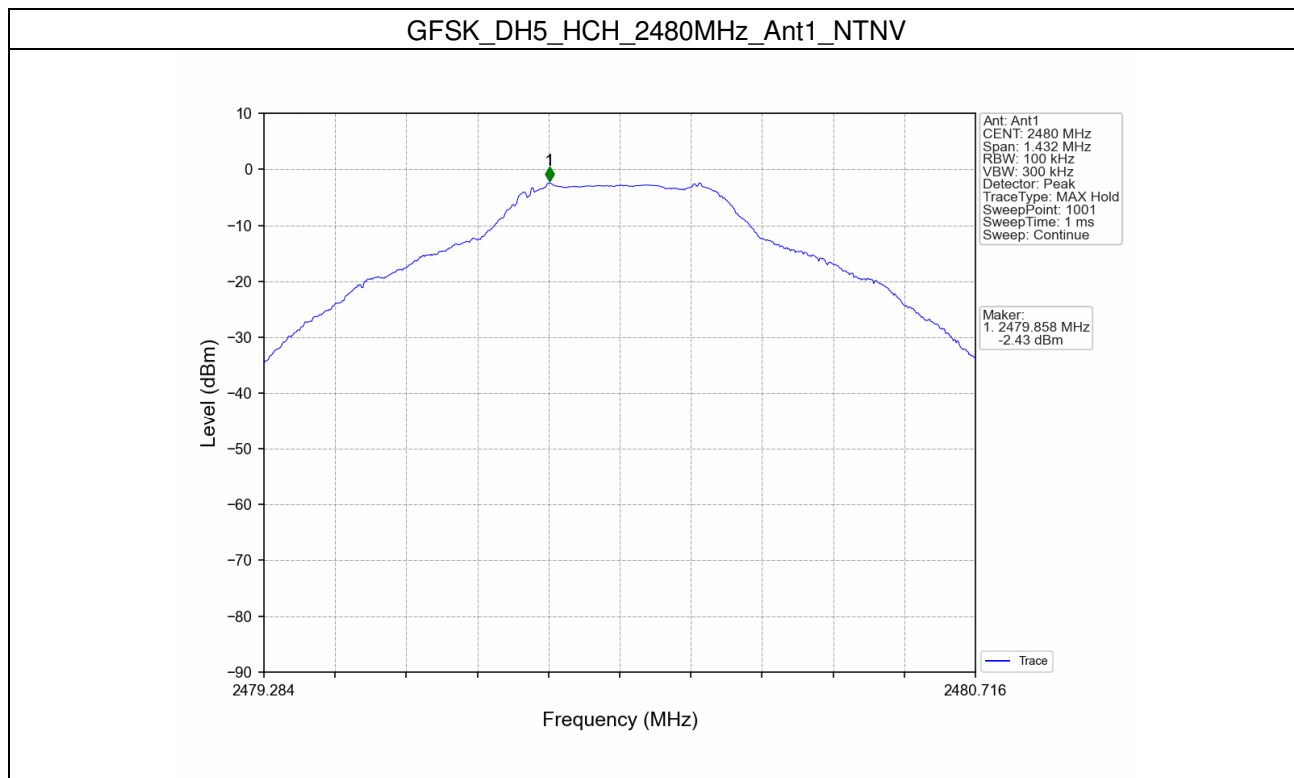
### 6.1.2 Test Graph



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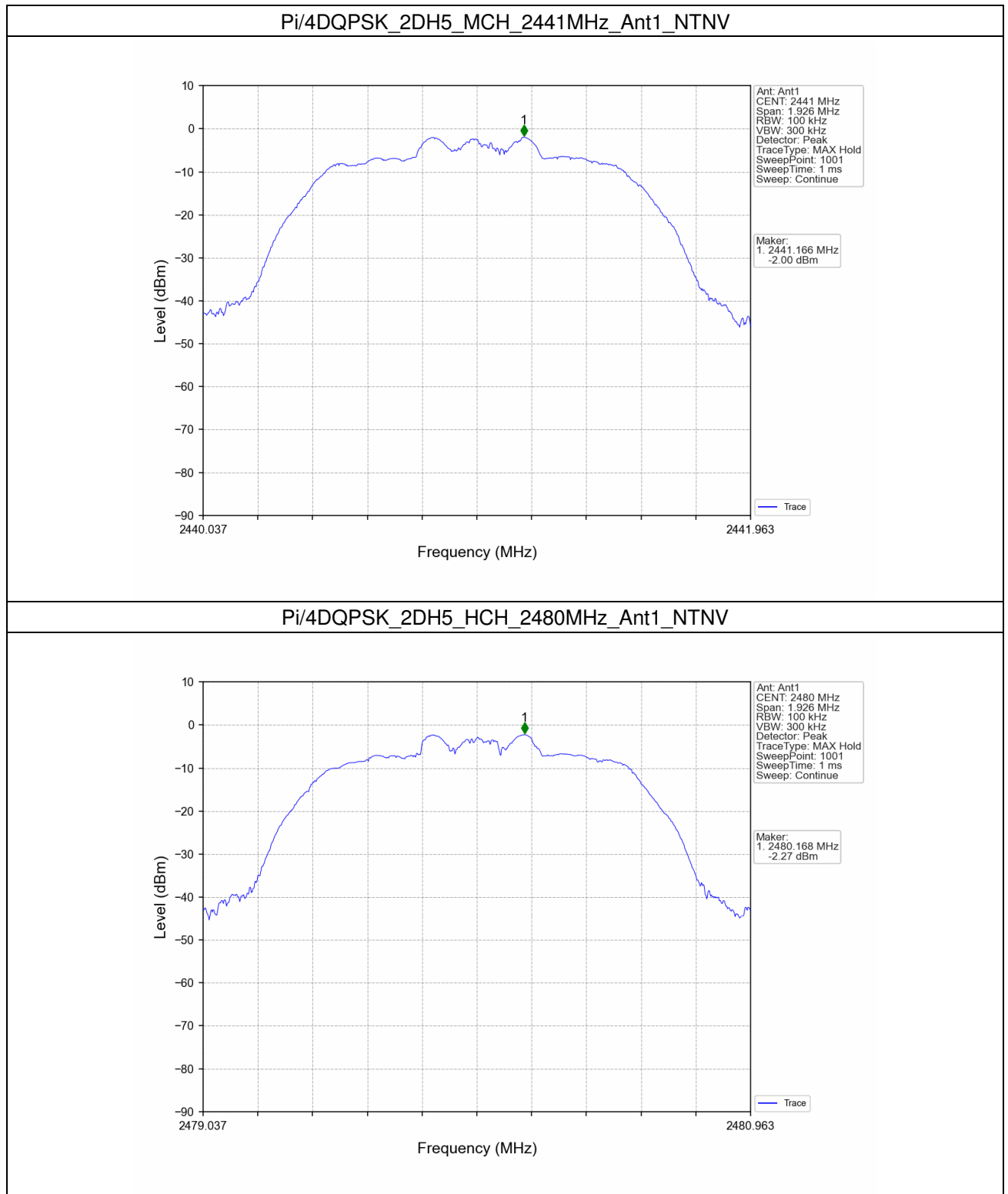
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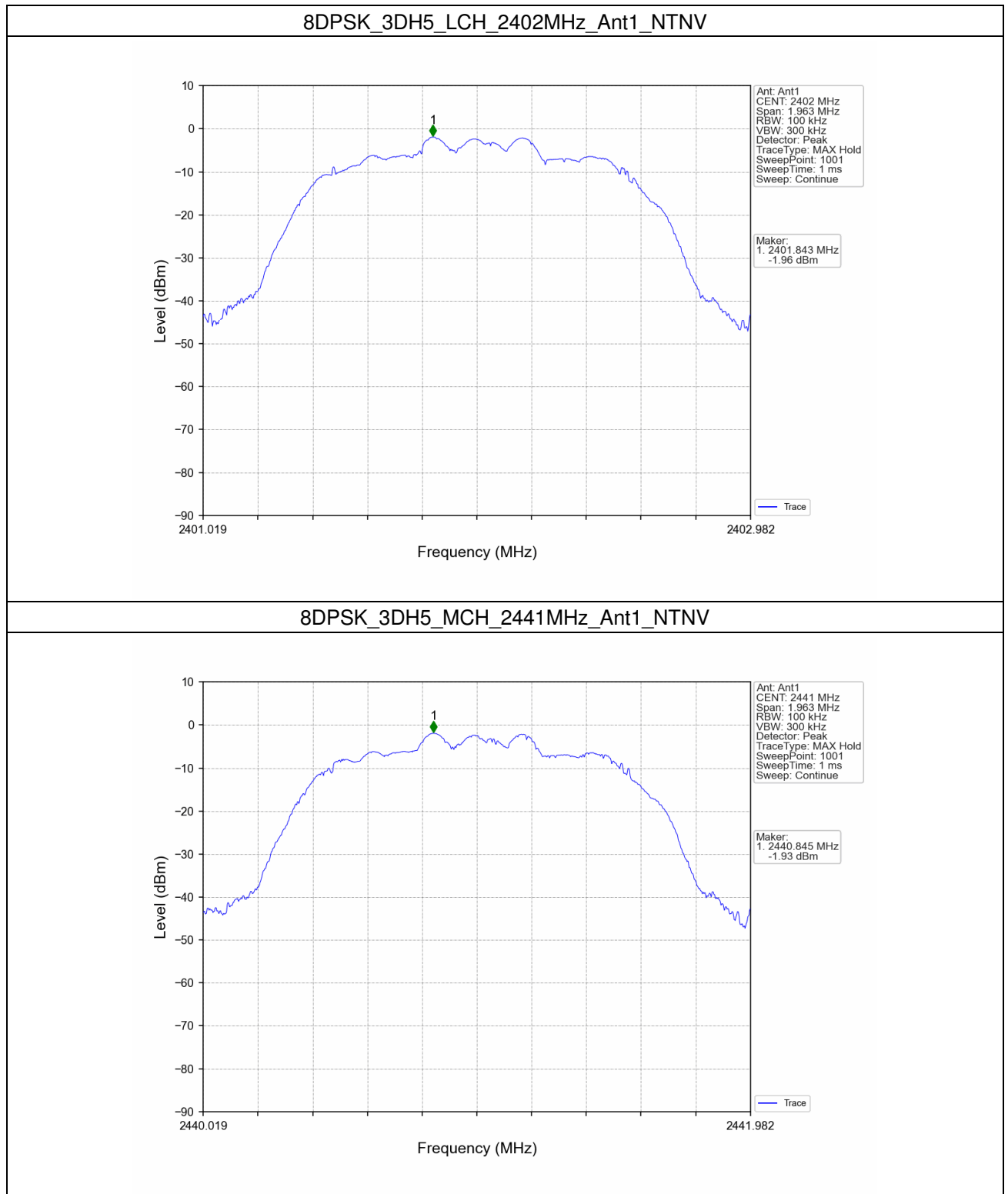
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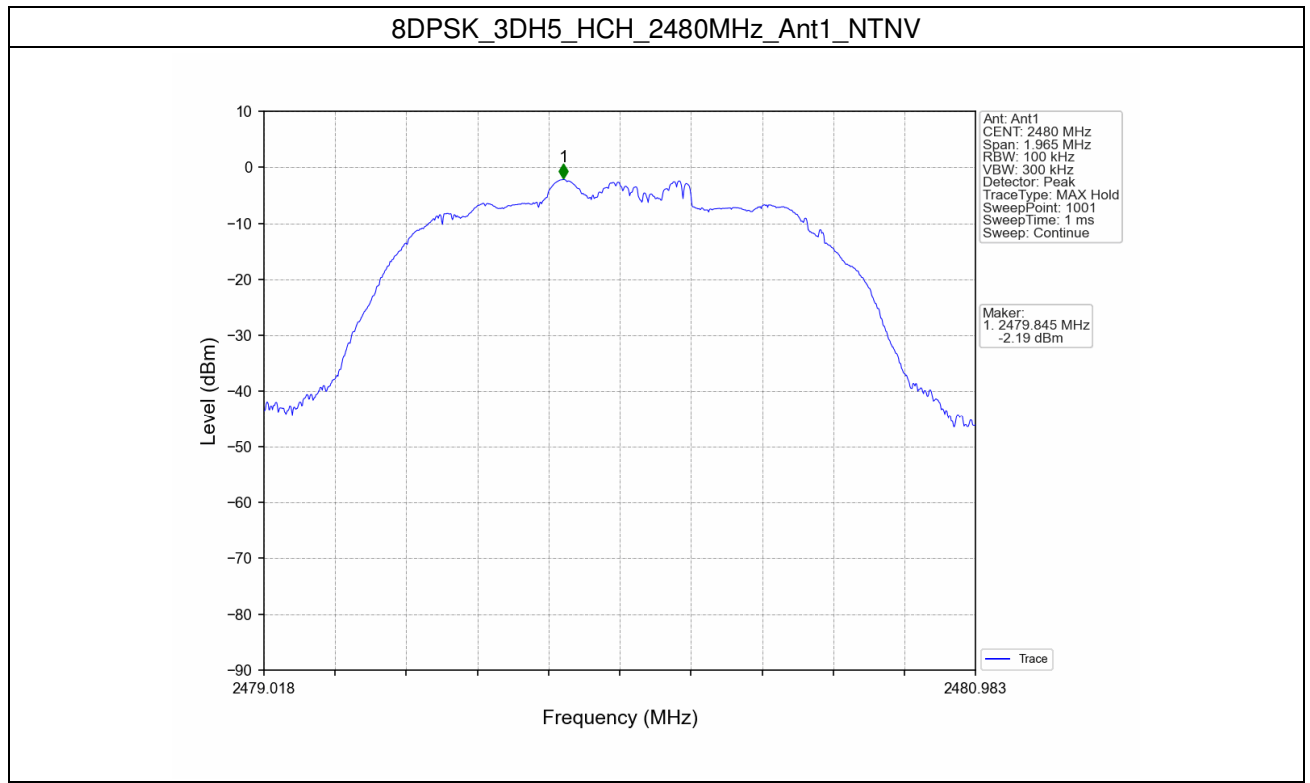
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6.2 CSE and Band Edges

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	-1.95	-21.95	Pass
		2441	DH5	1	-1.95	-21.95	Pass
		2480	DH5	1	-1.95	-21.95	Pass
		HOPP	DH5	1	-1.95	-21.95	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-2.00	-22.00	Pass
		2441	2DH5	1	-2.00	-22.00	Pass
		2480	2DH5	1	-2.00	-22.00	Pass
		HOPP	2DH5	1	-2.00	-22.00	Pass
8DPSK	SISO	2402	3DH5	1	-1.93	-21.93	Pass
		2441	3DH5	1	-1.93	-21.93	Pass
		2480	3DH5	1	-1.93	-21.93	Pass
		HOPP	3DH5	1	-1.93	-21.93	Pass

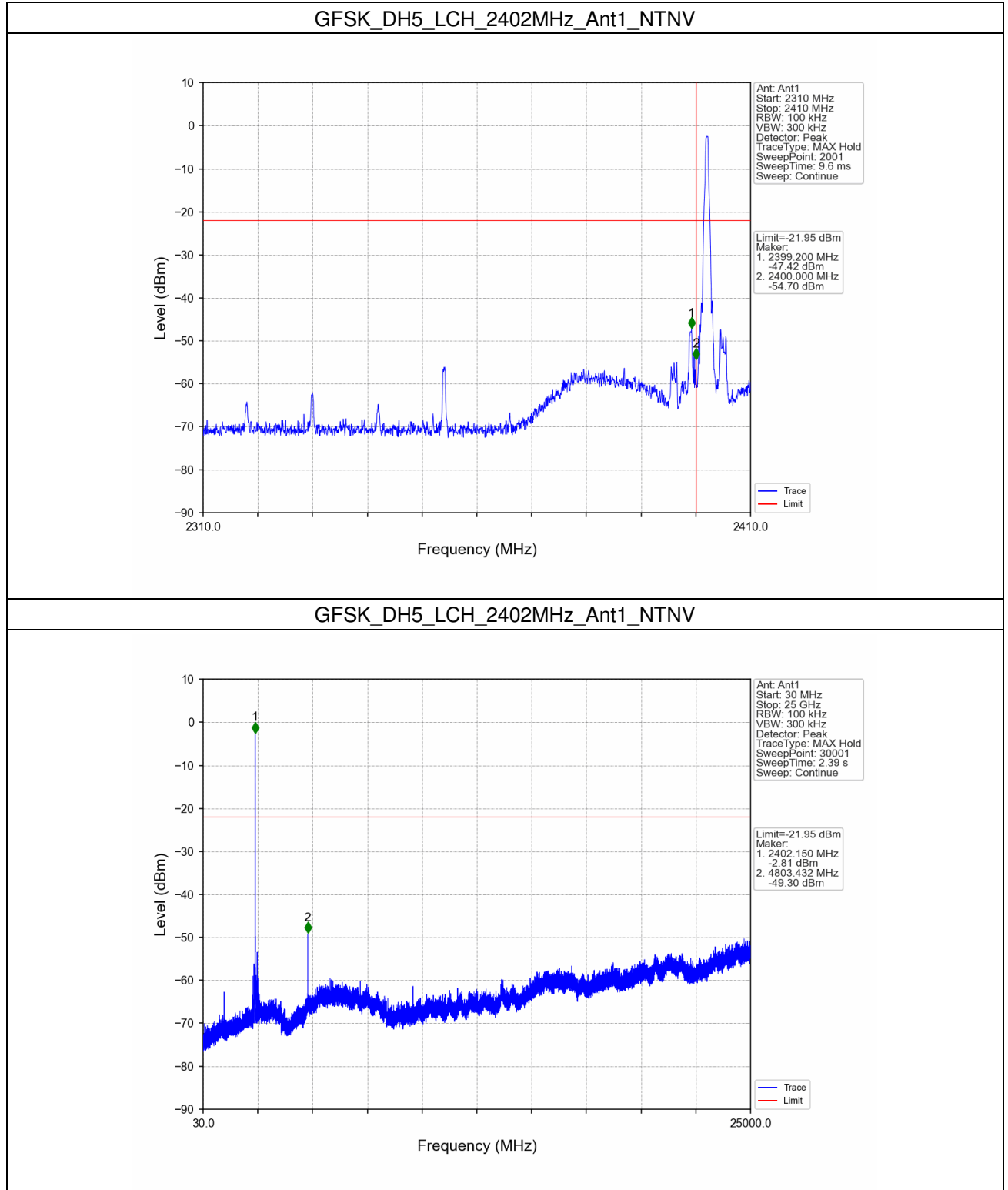
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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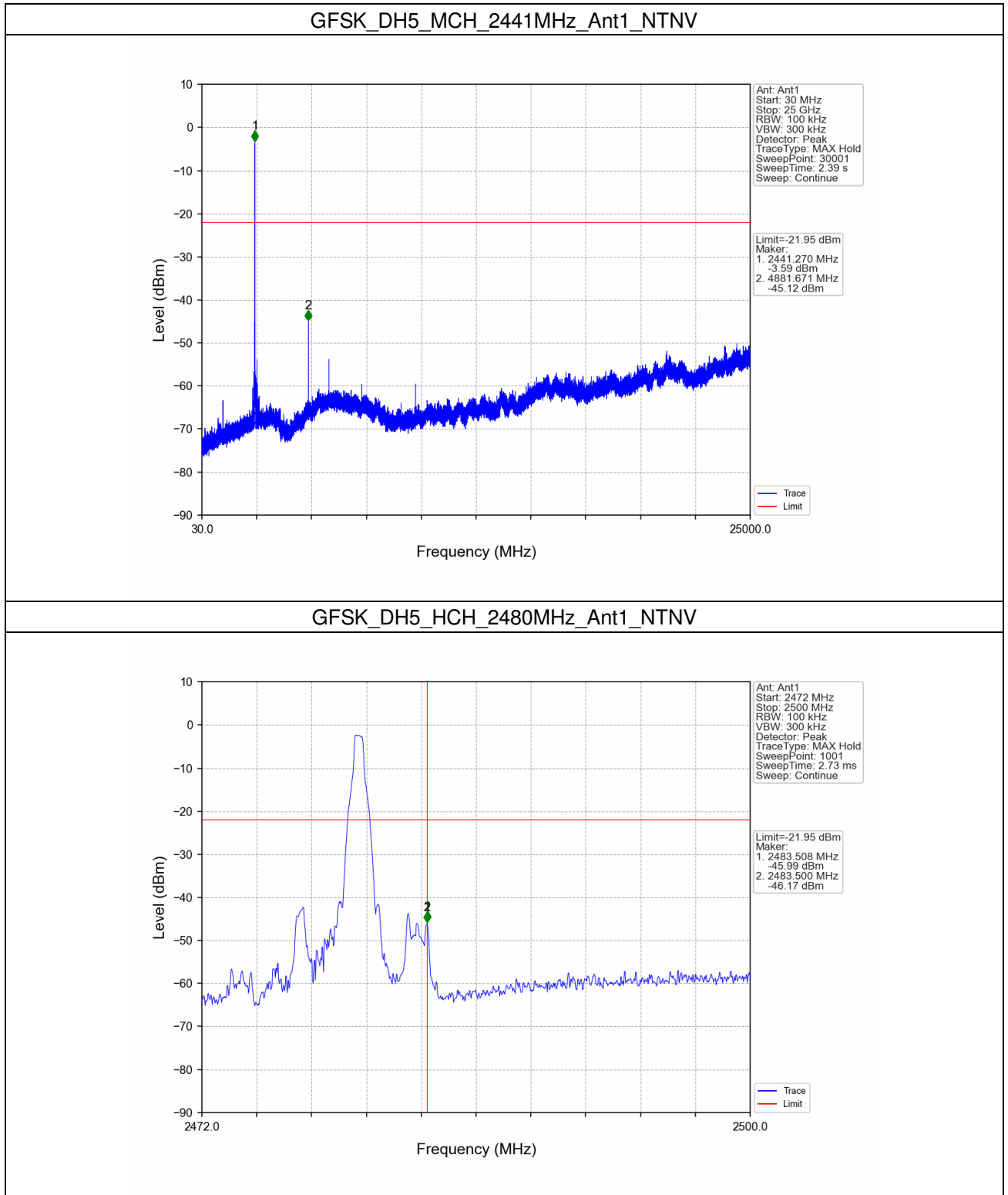


### 6.2.2 Test Graph



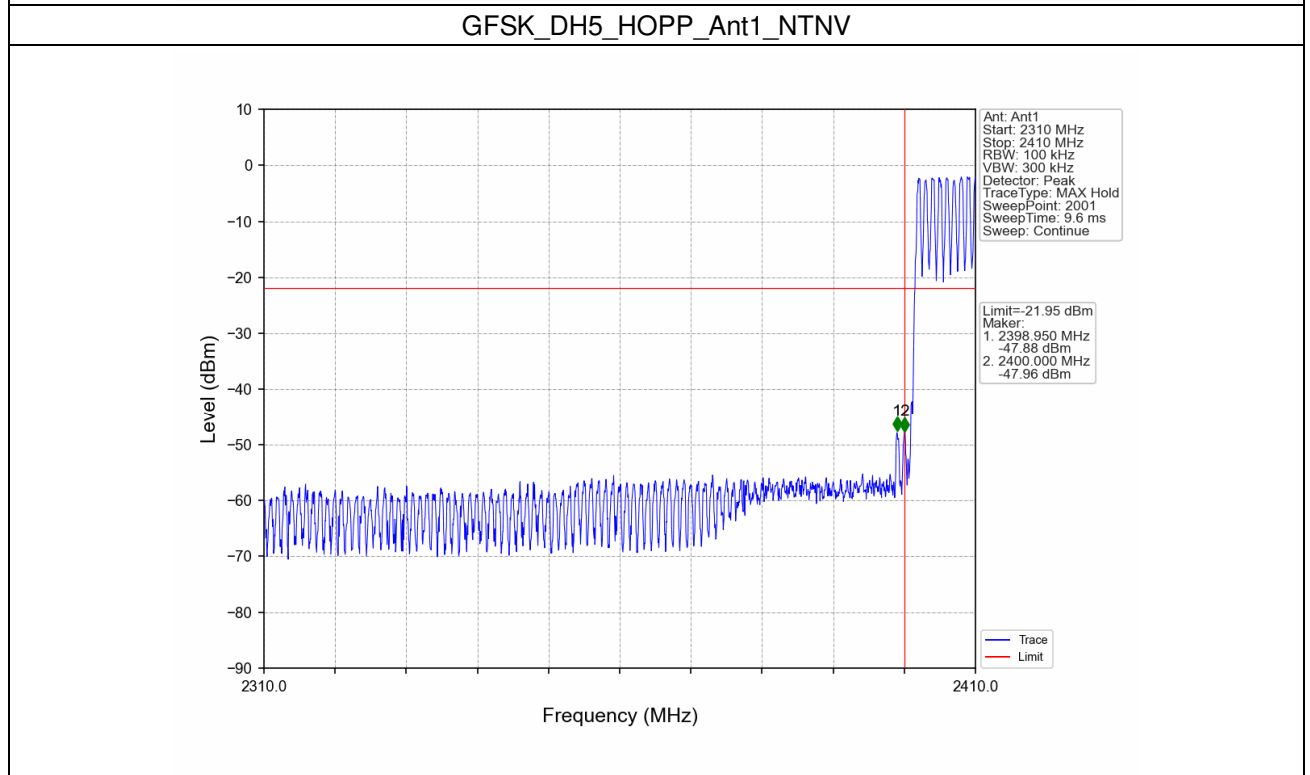
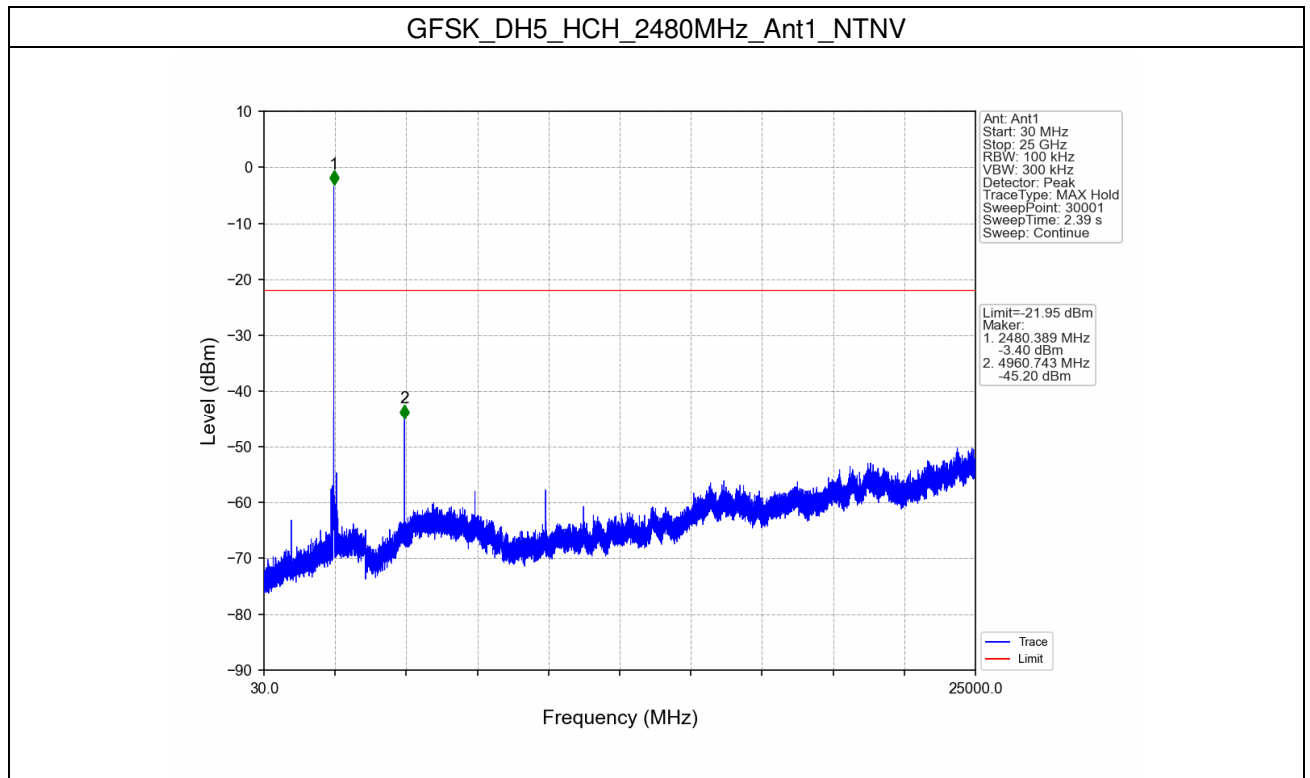
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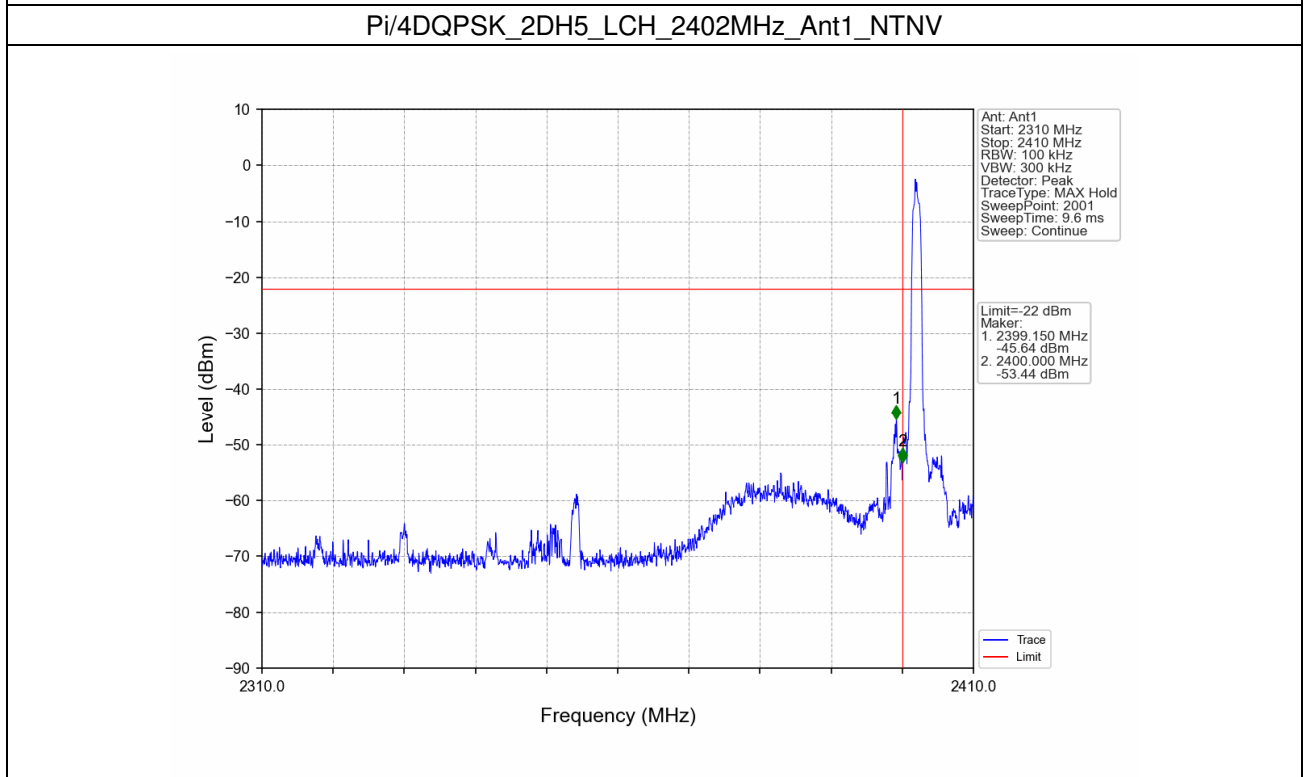
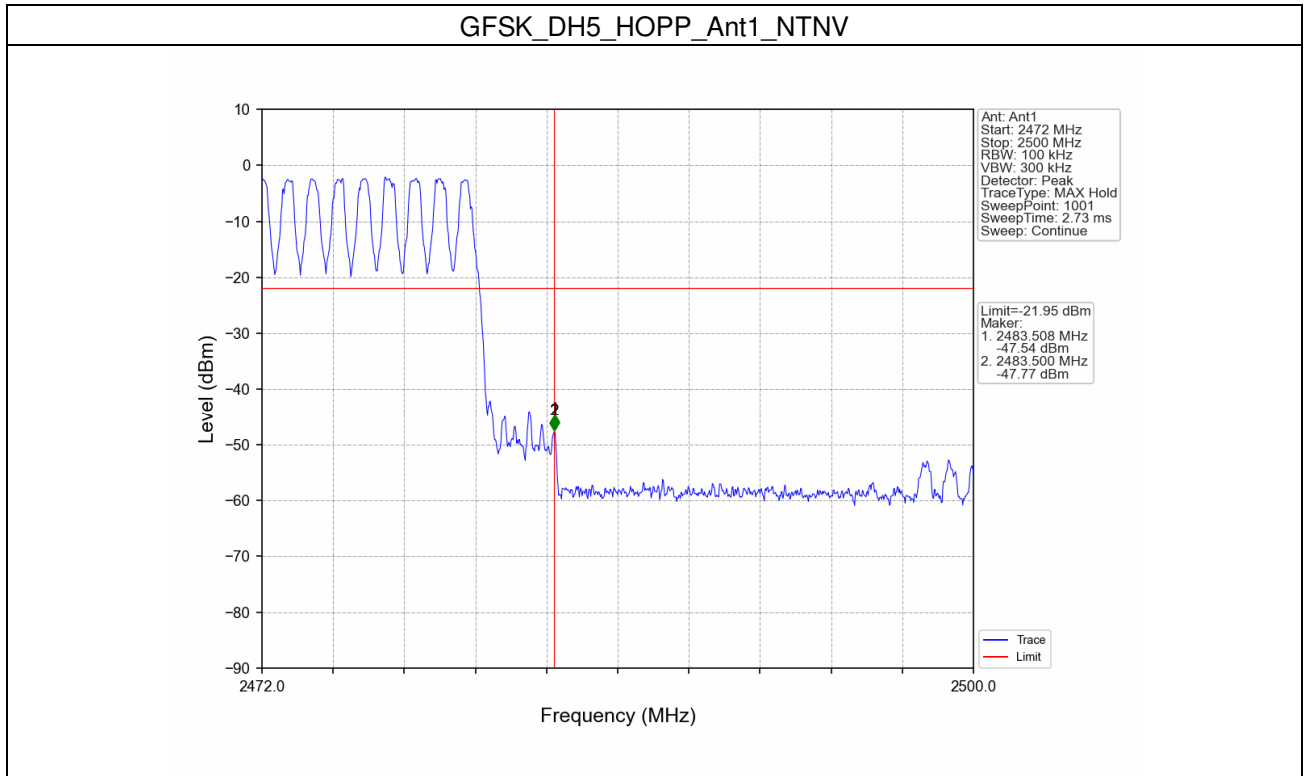
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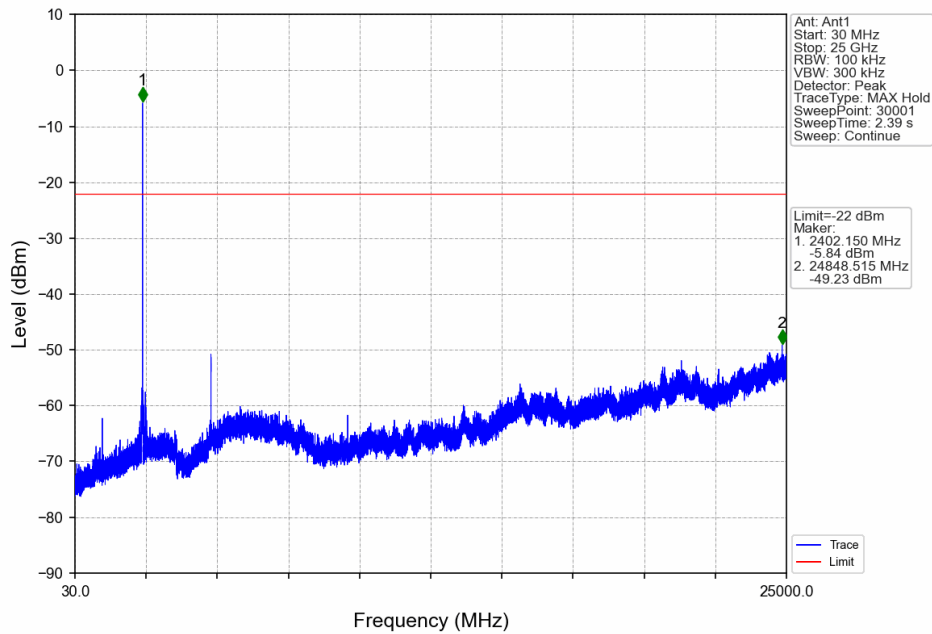


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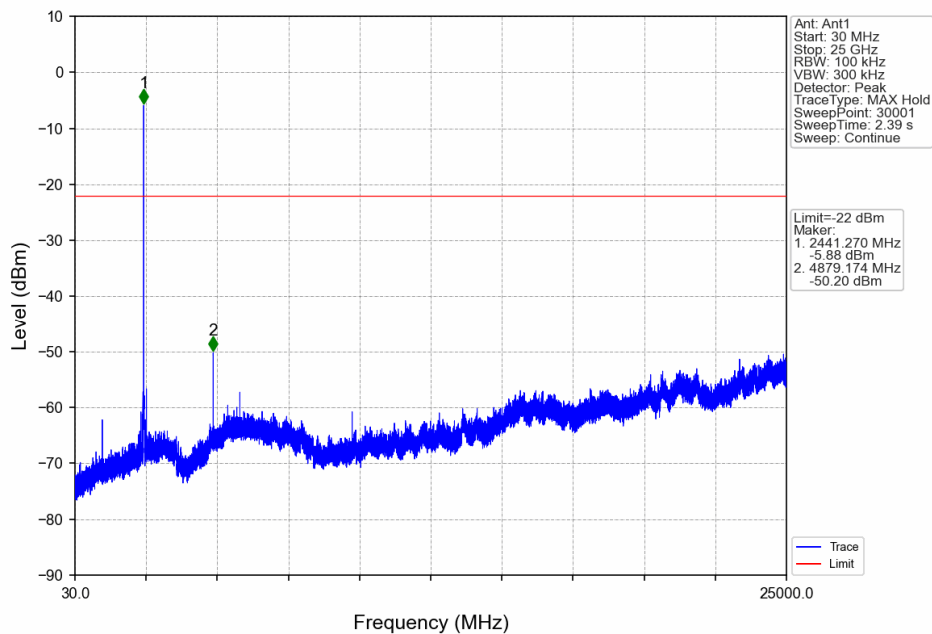
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Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV

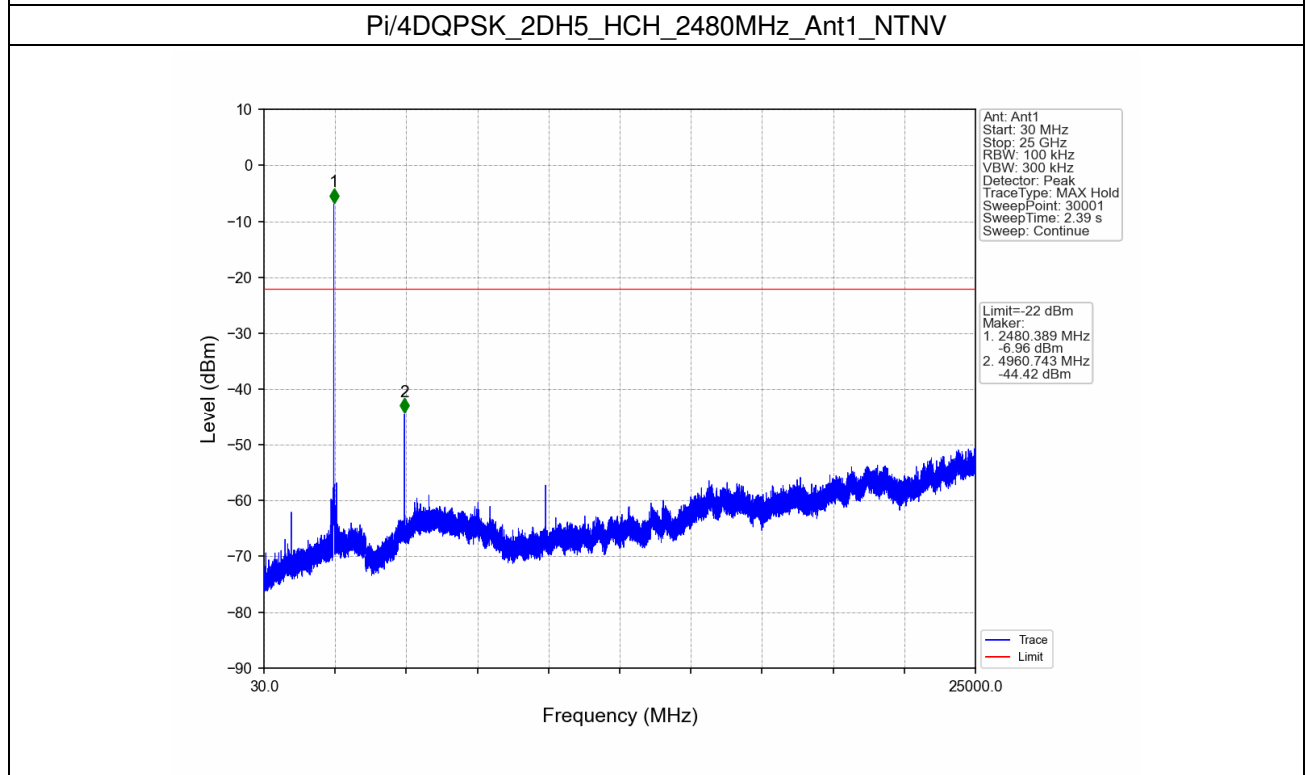
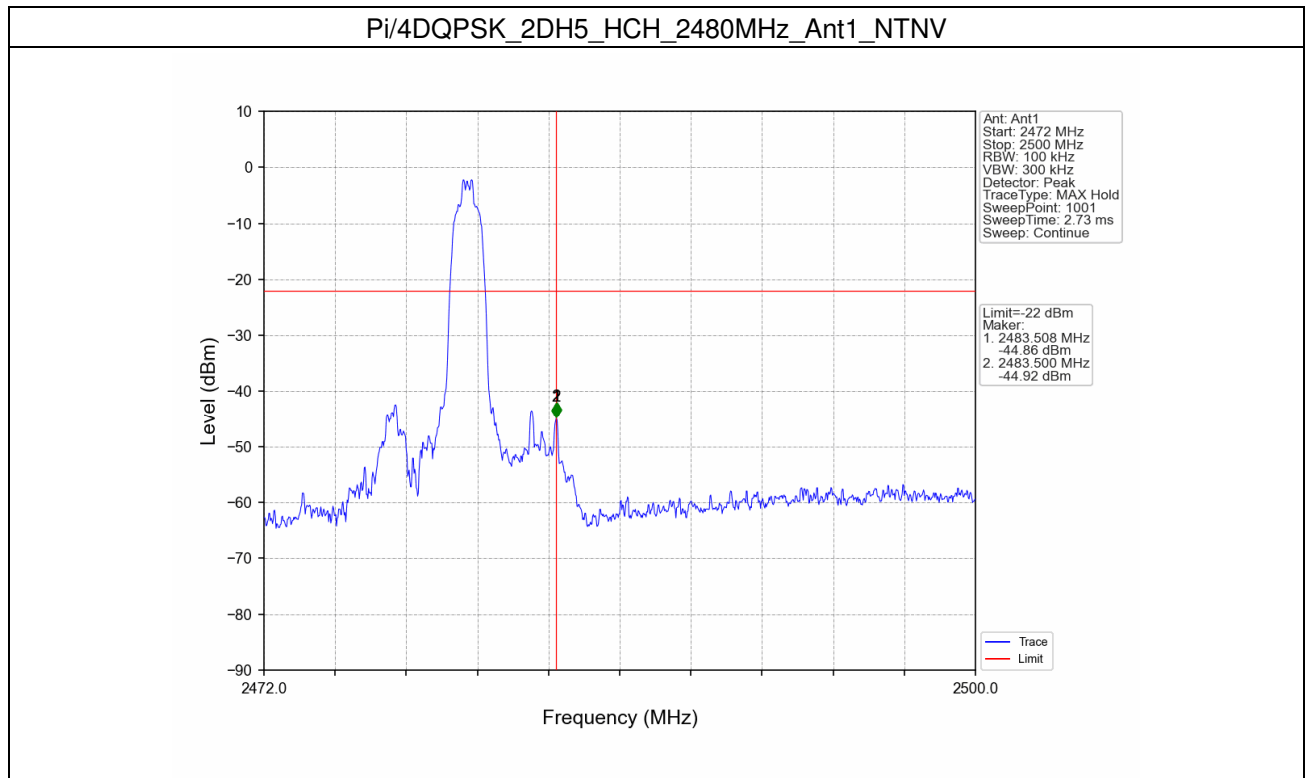


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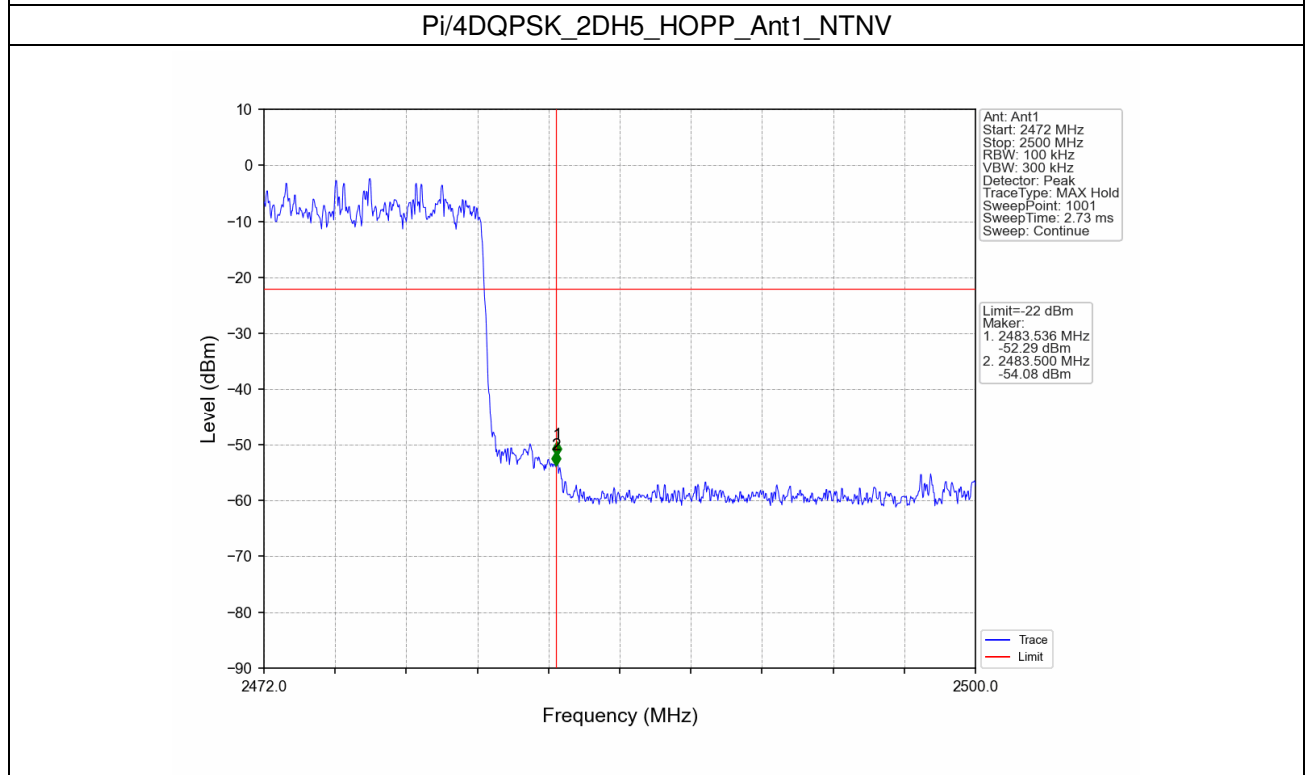
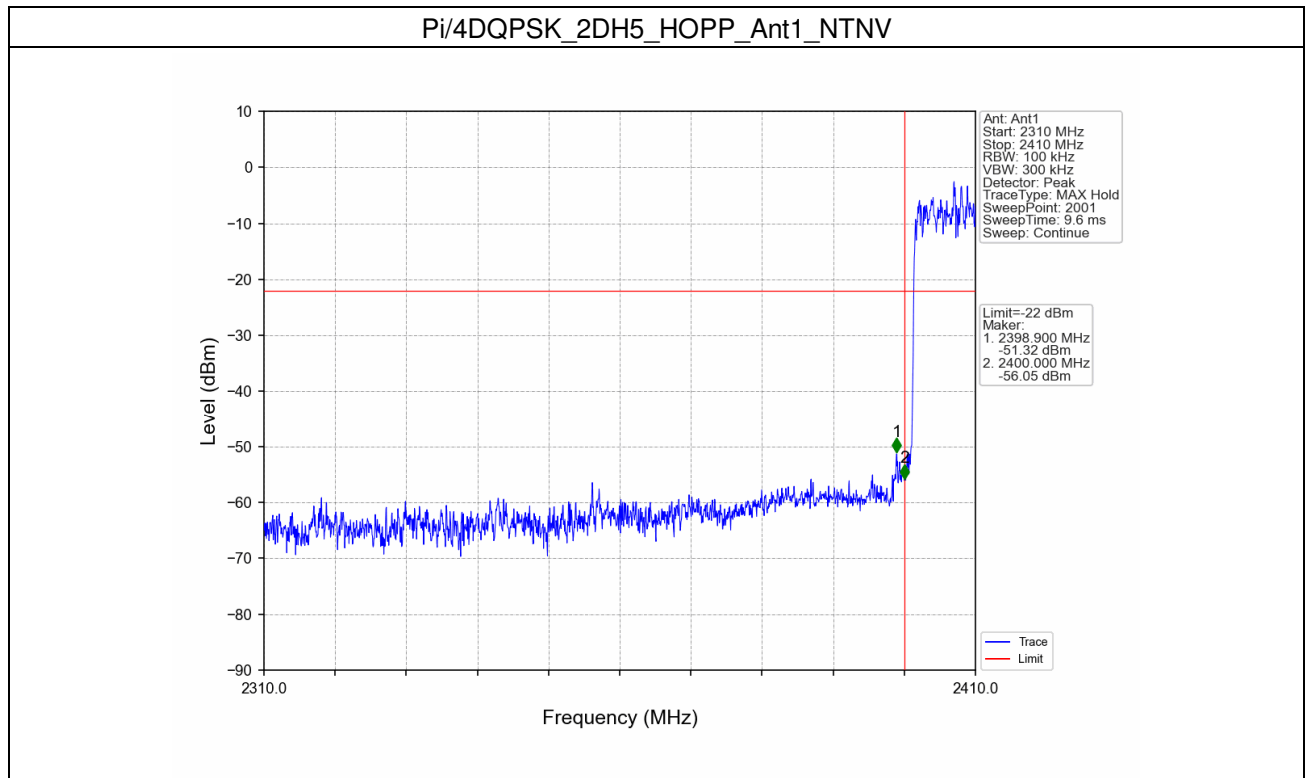


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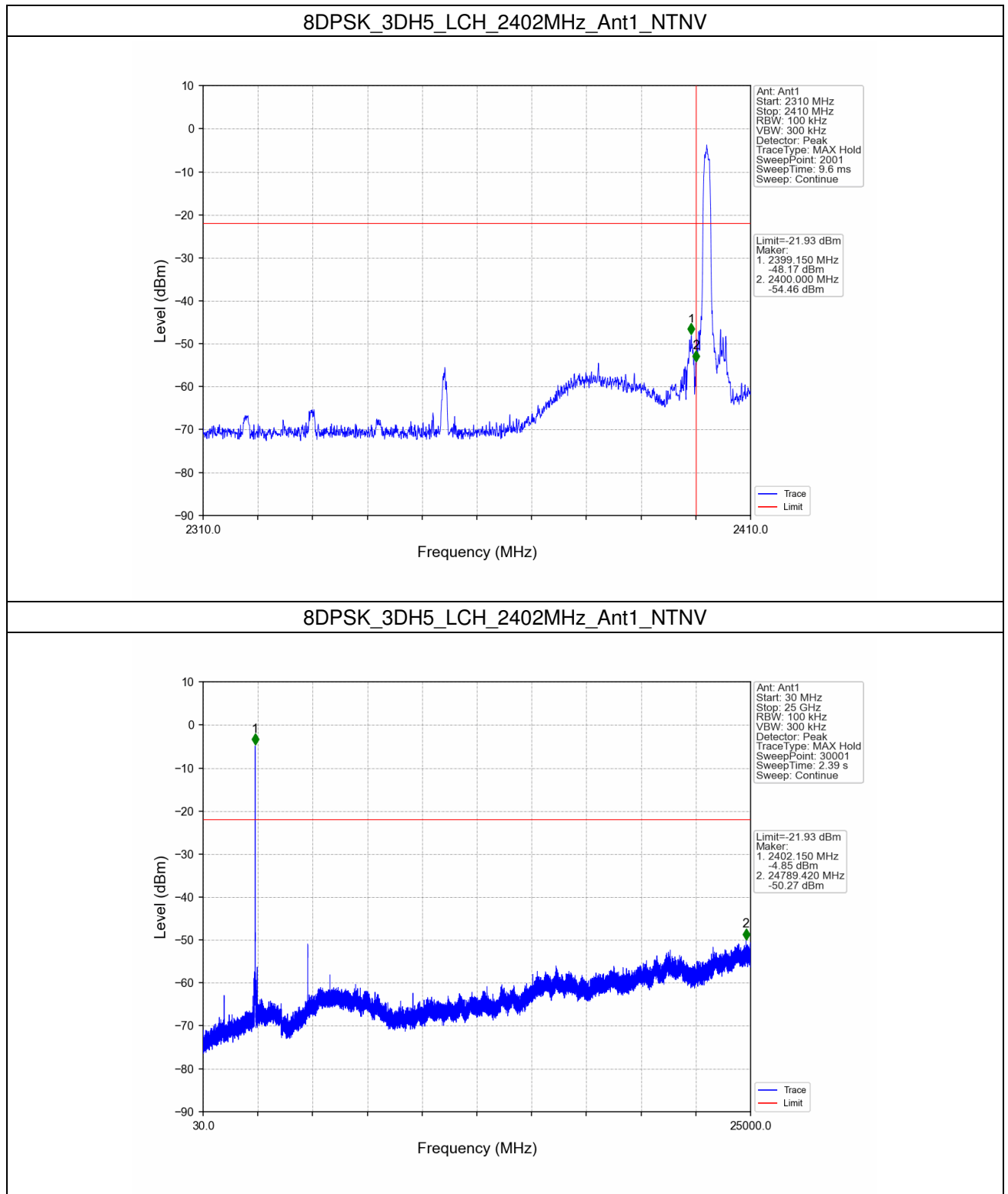


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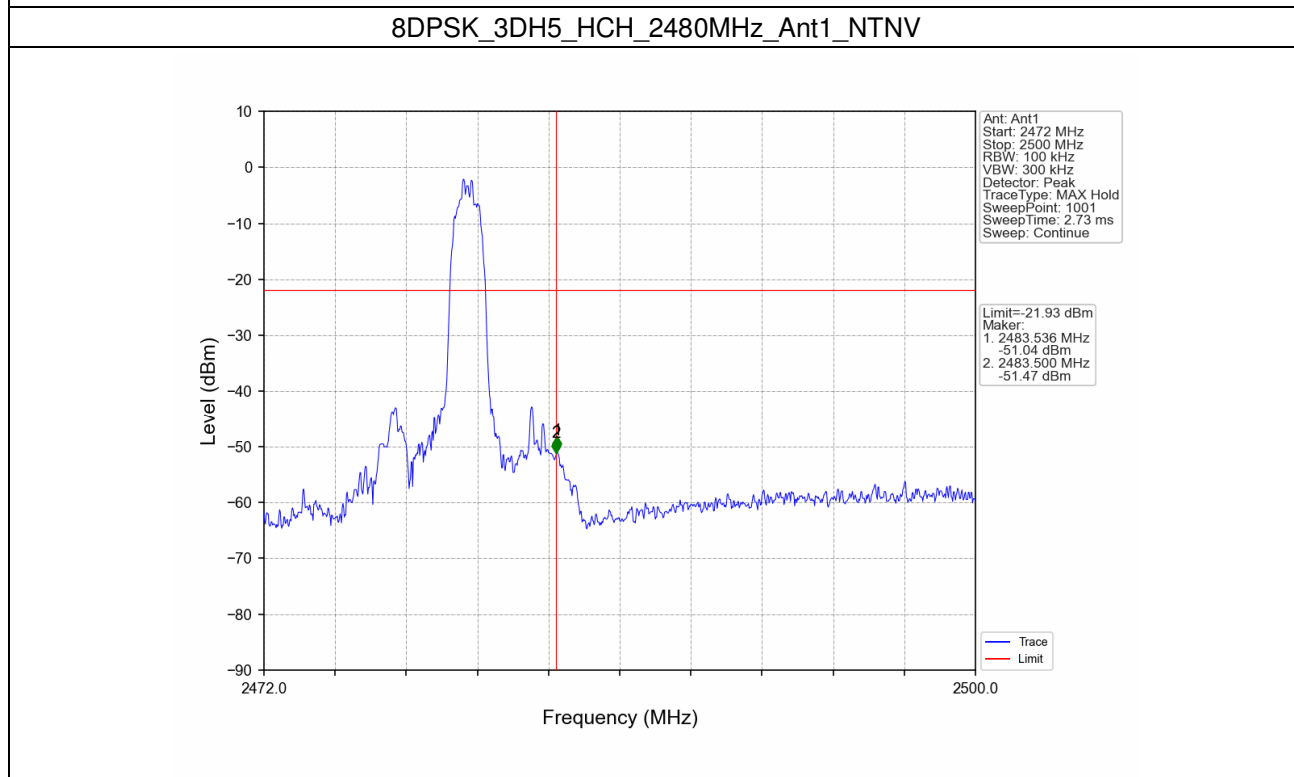
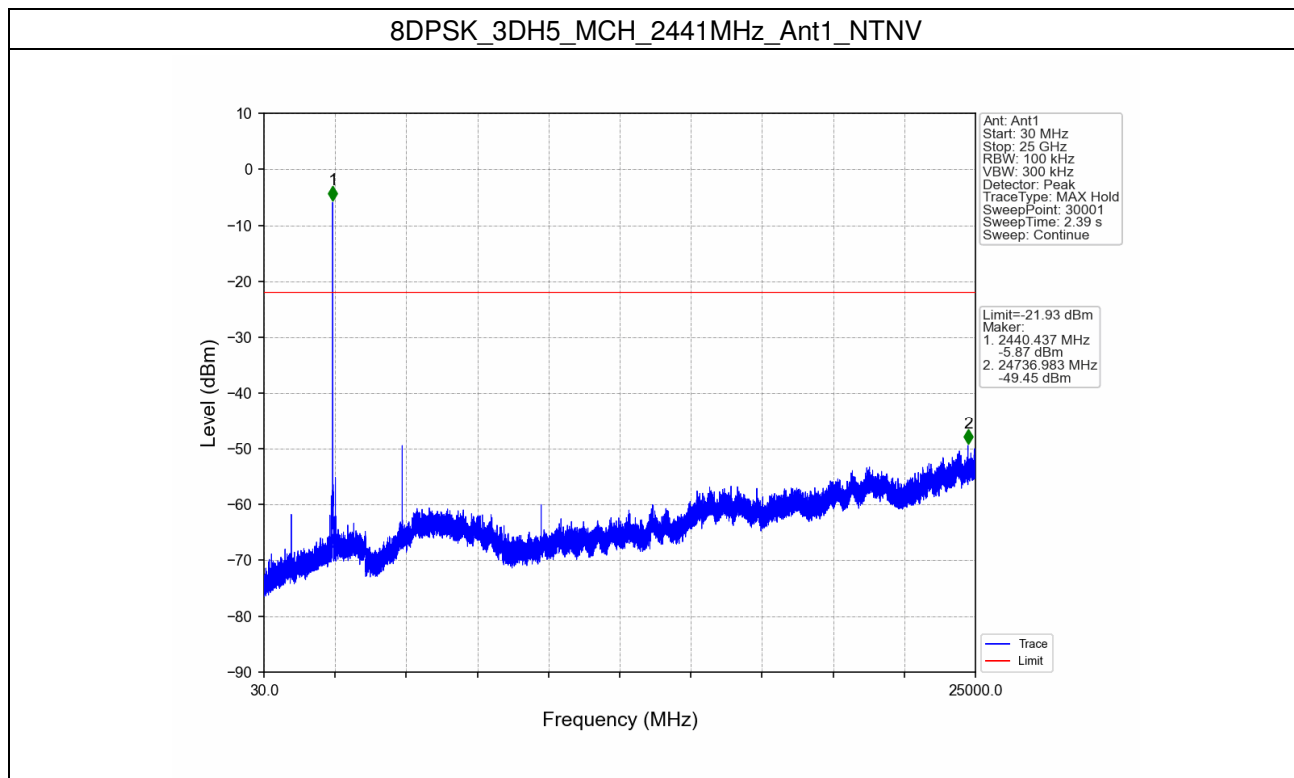
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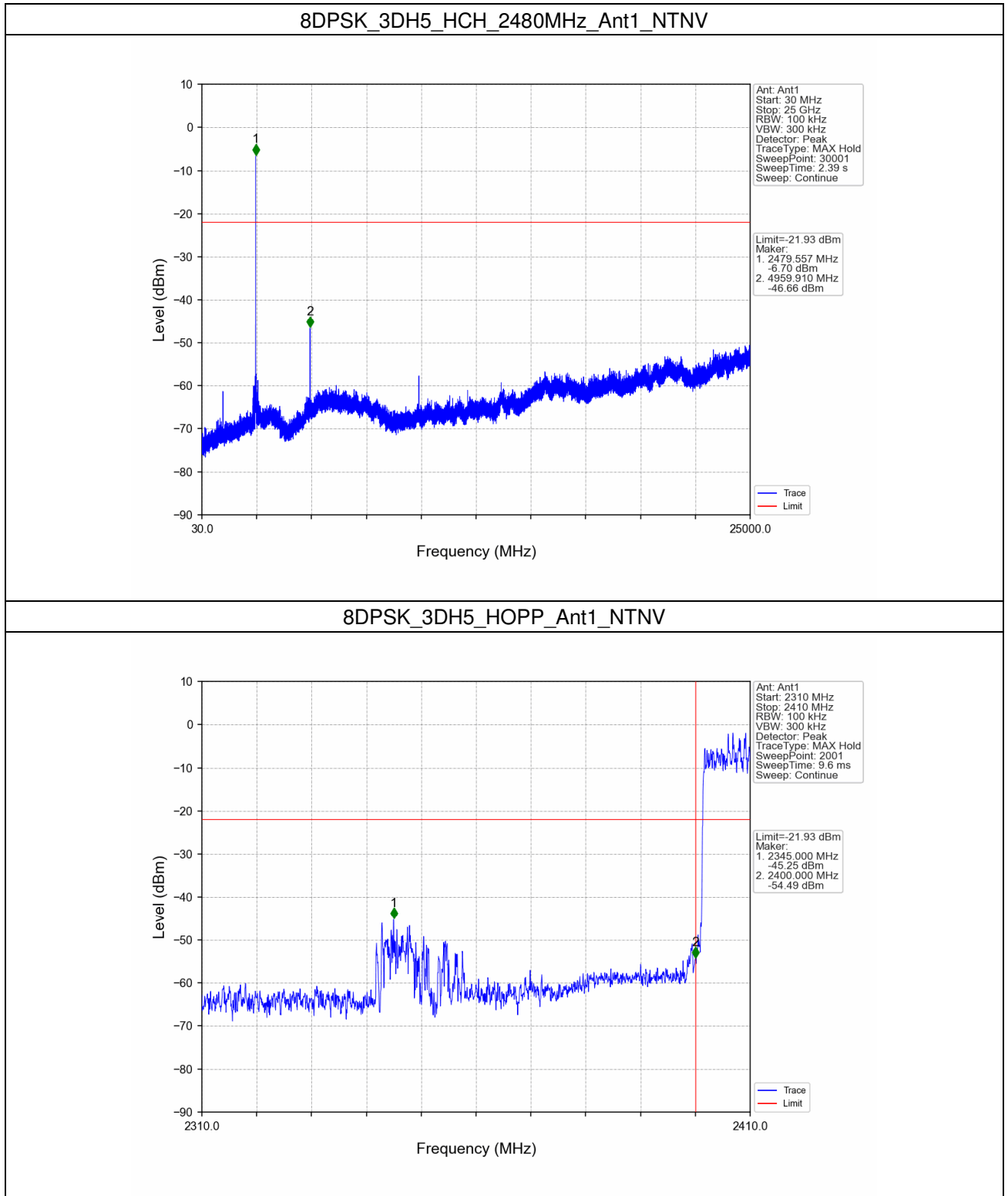
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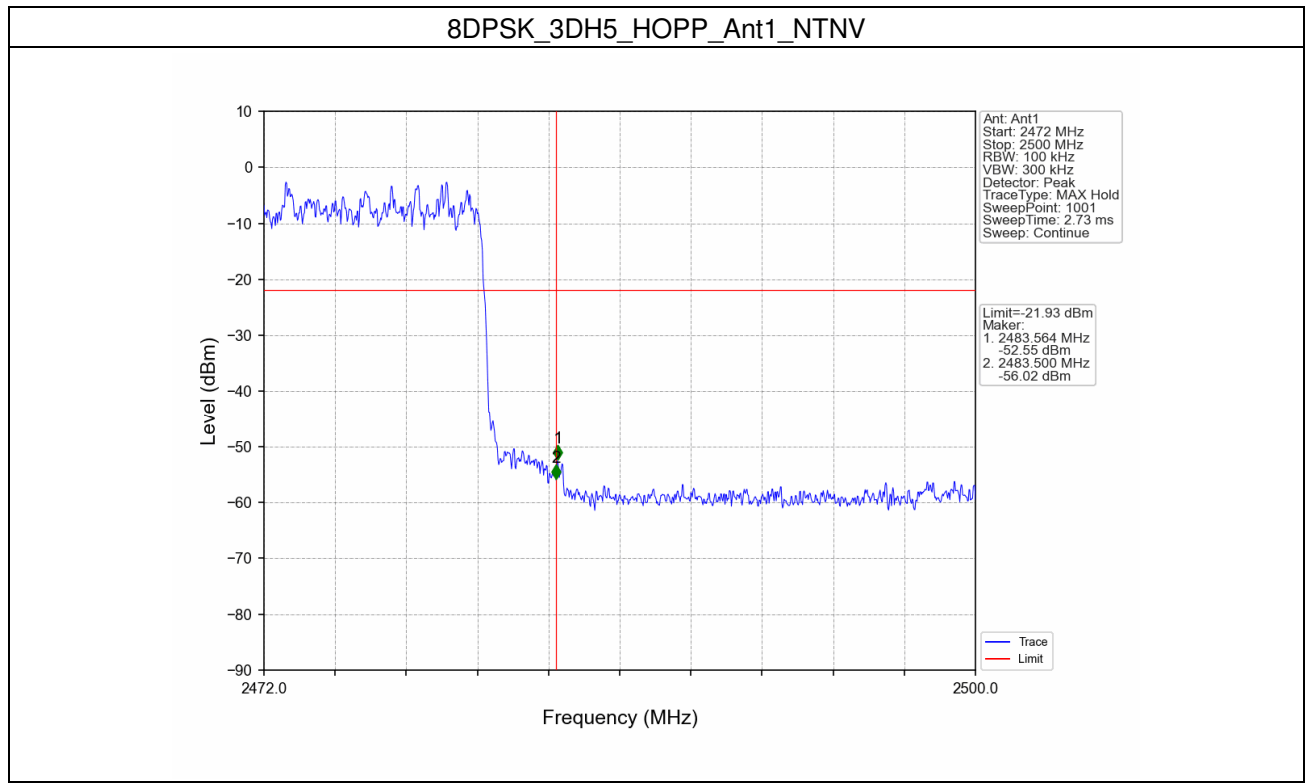


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