

10 Appendix

1. Bandwidth

1.1 20dB BW

1.1.1 Test Result

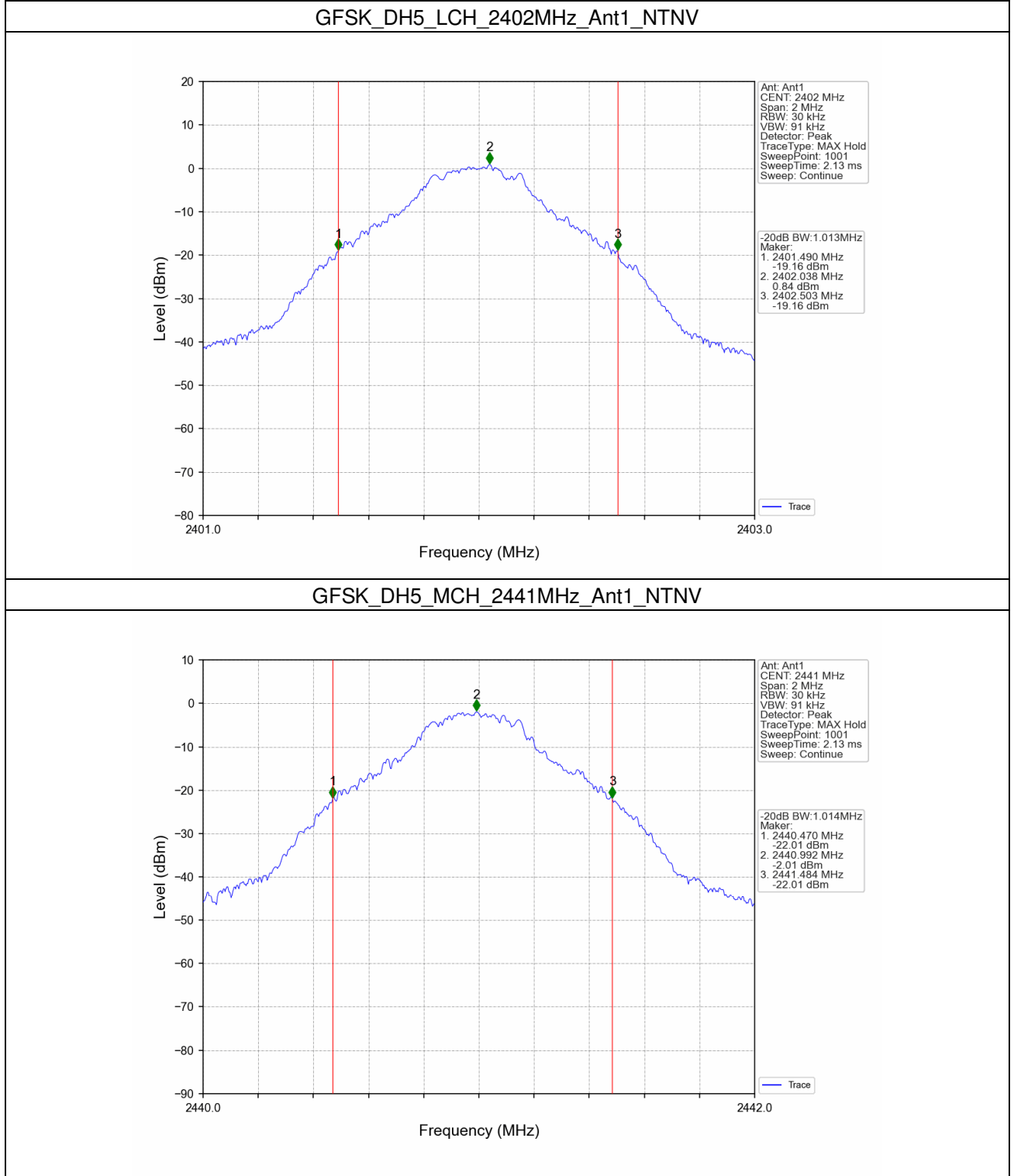
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.013	Pass
		2441	DH5	1	1.014	Pass
		2480	DH5	1	0.991	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.329	Pass
		2441	2DH5	1	1.326	Pass
		2480	2DH5	1	1.335	Pass
8DPSK	SISO	2402	3DH5	1	1.329	Pass
		2441	3DH5	1	1.316	Pass
		2480	3DH5	1	1.322	Pass



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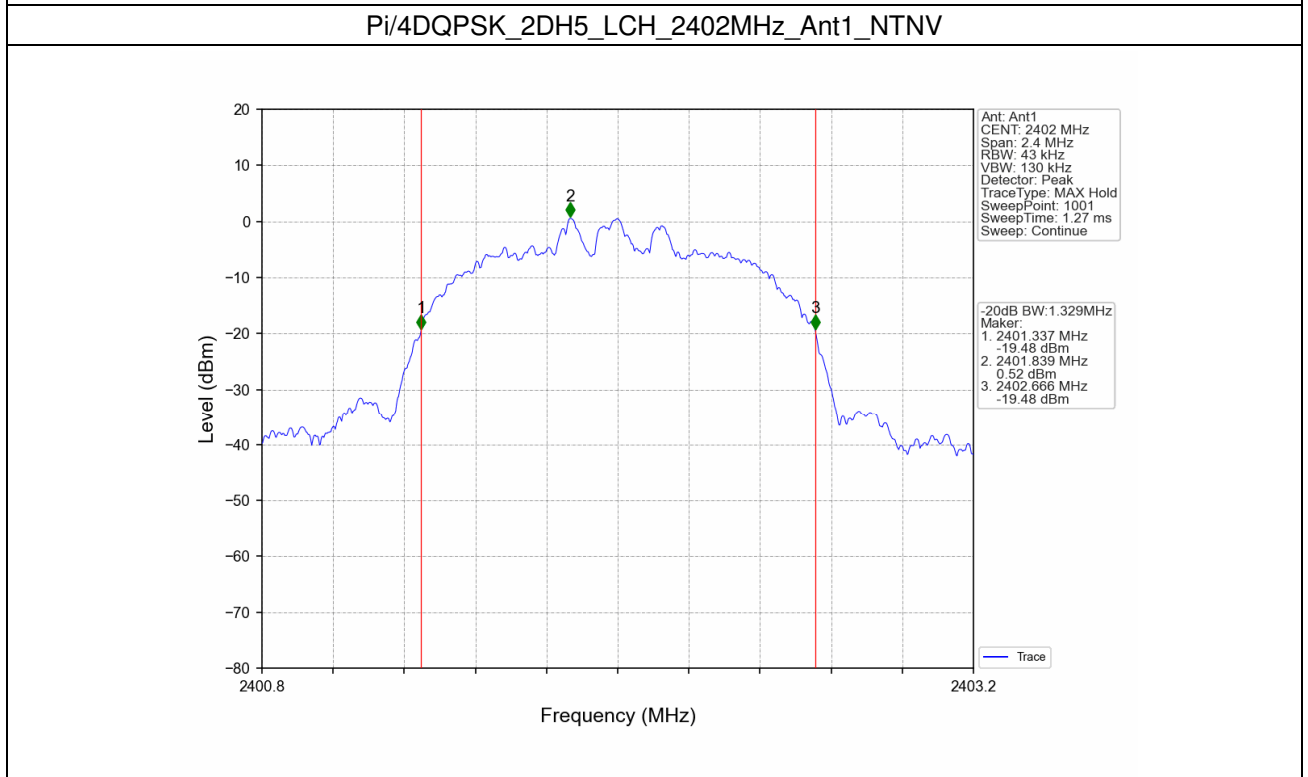
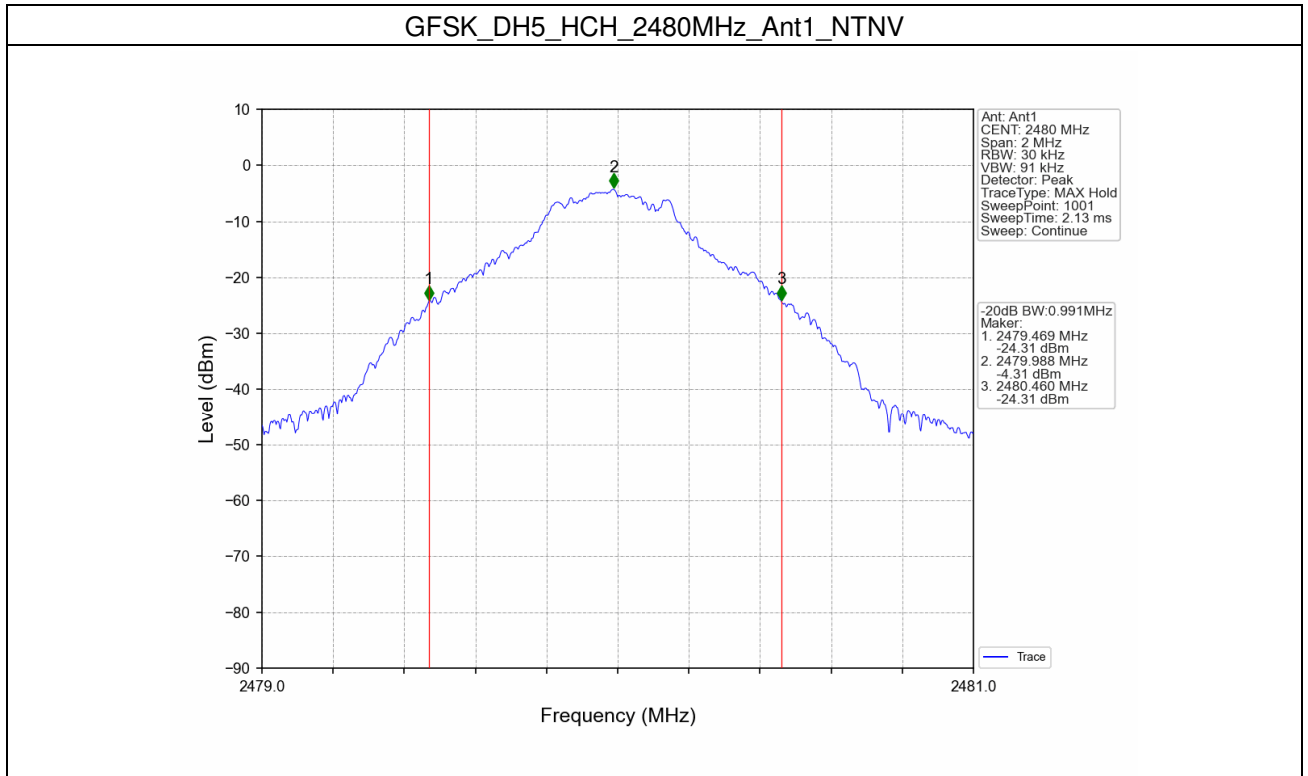
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1.1.2 Test Graph



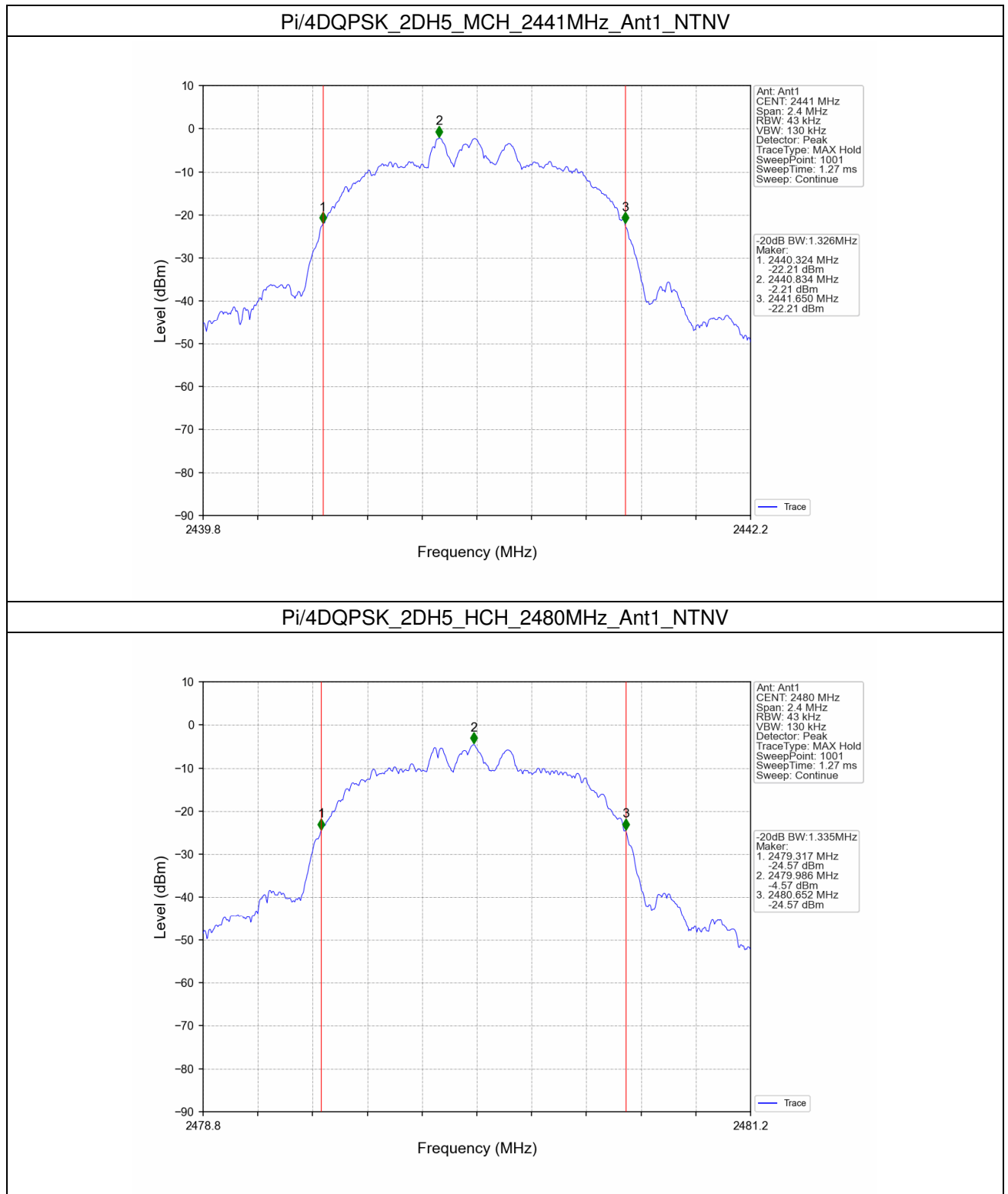
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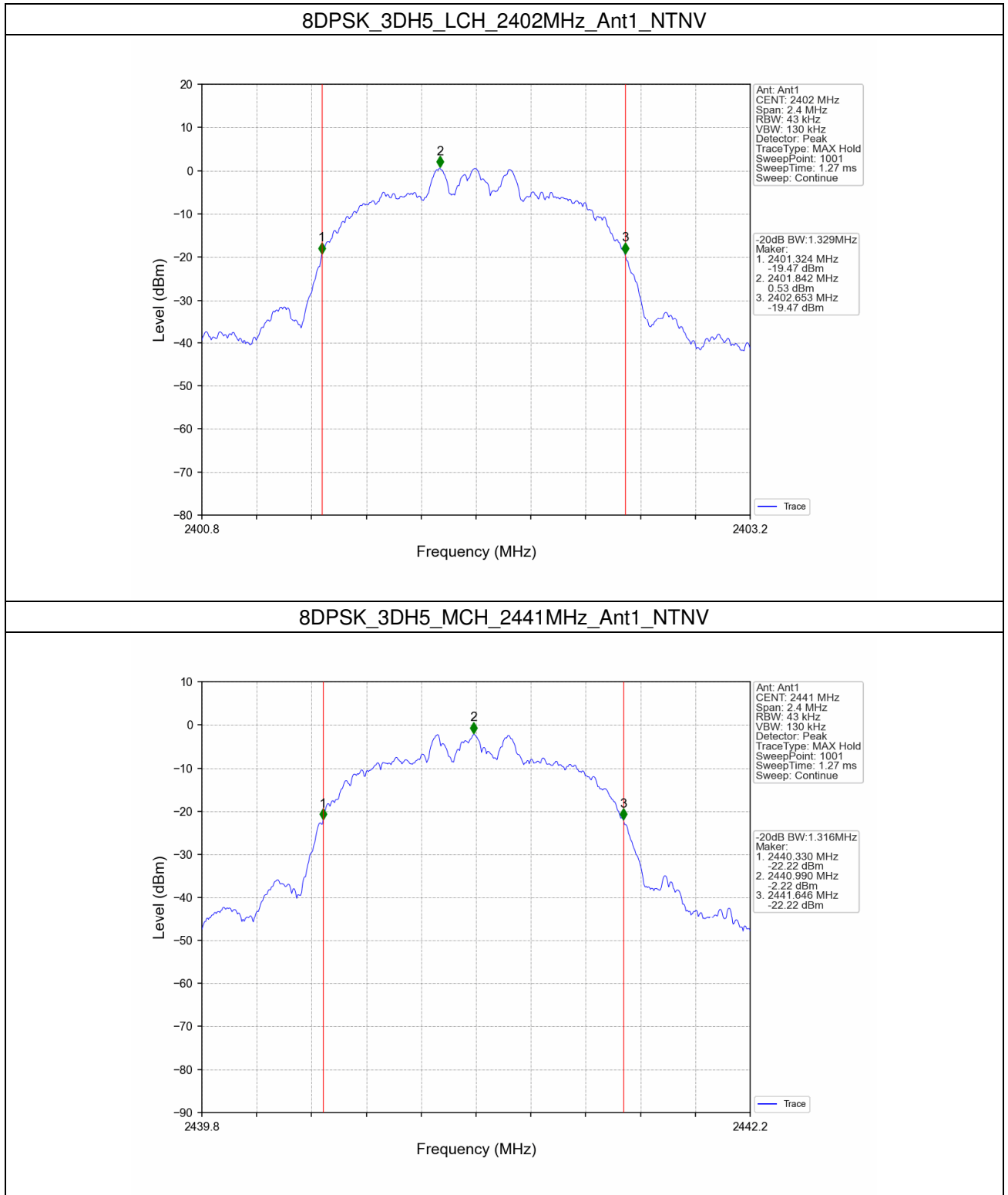
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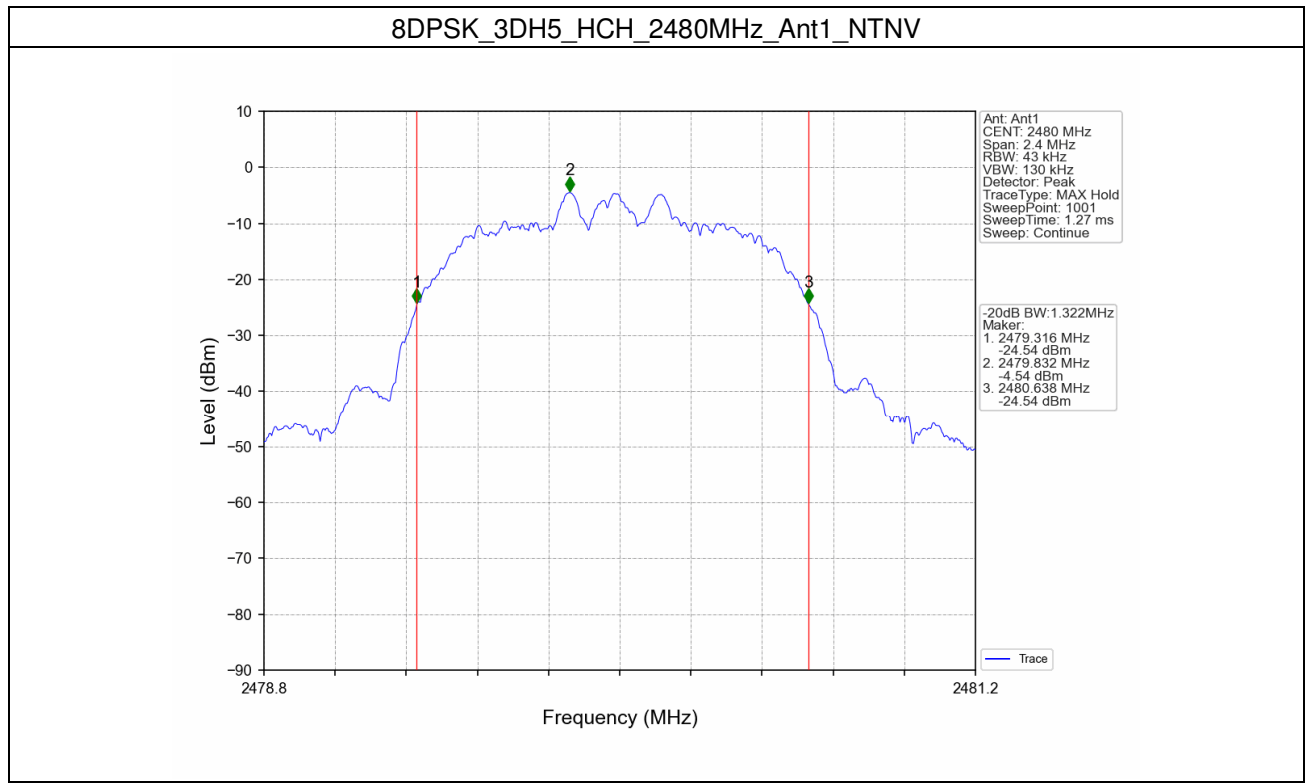
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2. Maximum Conducted Output Power

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	2.11	<=20.97	Pass
		2441	DH5	-0.62	<=20.97	Pass
		2480	DH5	-2.93	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	2.20	<=20.97	Pass
		2441	2DH5	-0.55	<=20.97	Pass
		2480	2DH5	-3.06	<=20.97	Pass
8DPSK	SISO	2402	3DH5	2.53	<=20.97	Pass
		2441	3DH5	-0.33	<=20.97	Pass
		2480	3DH5	-2.80	<=20.97	Pass

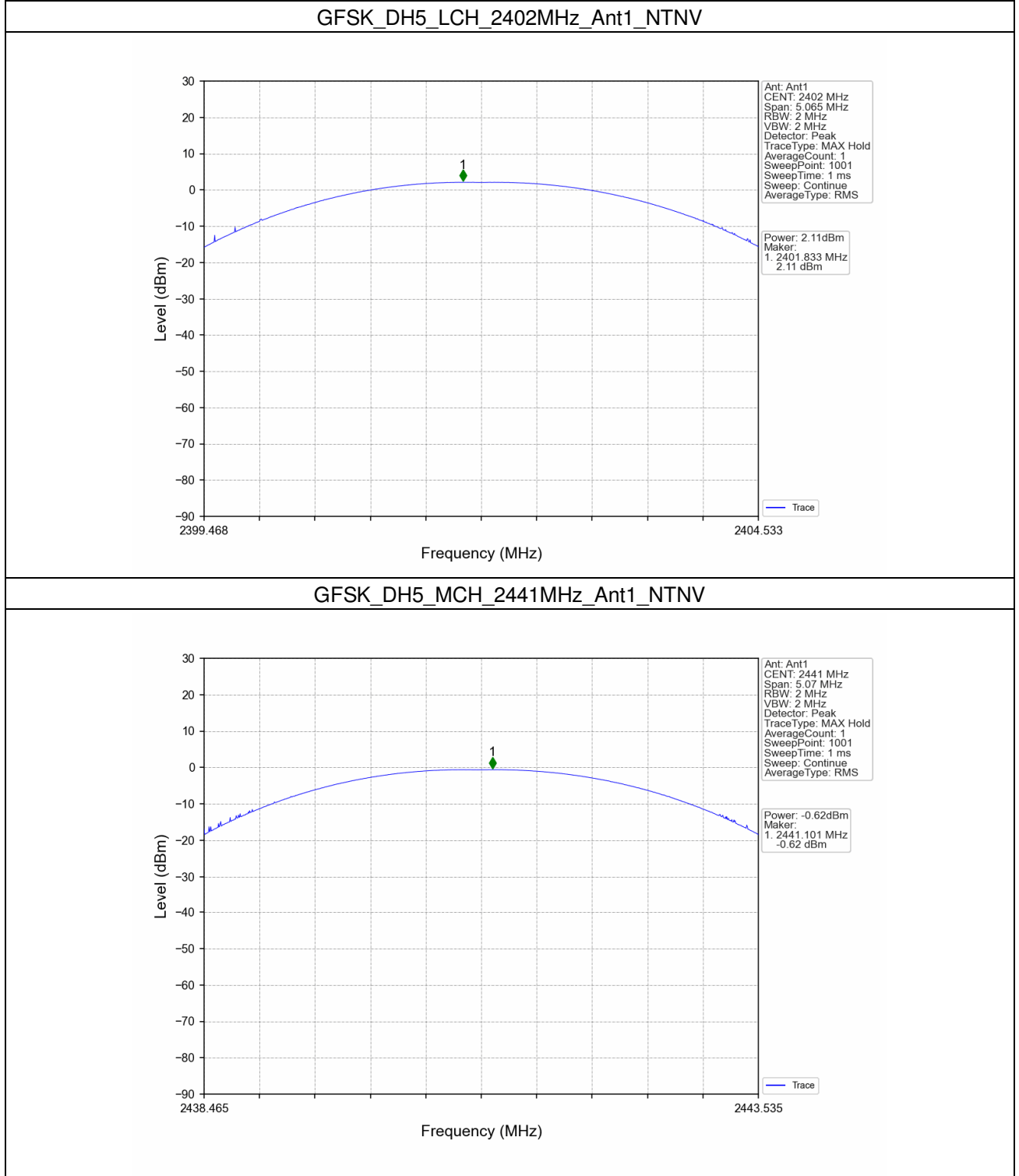
Note1: Antenna Gain: Ant1: 1.33 dBi;



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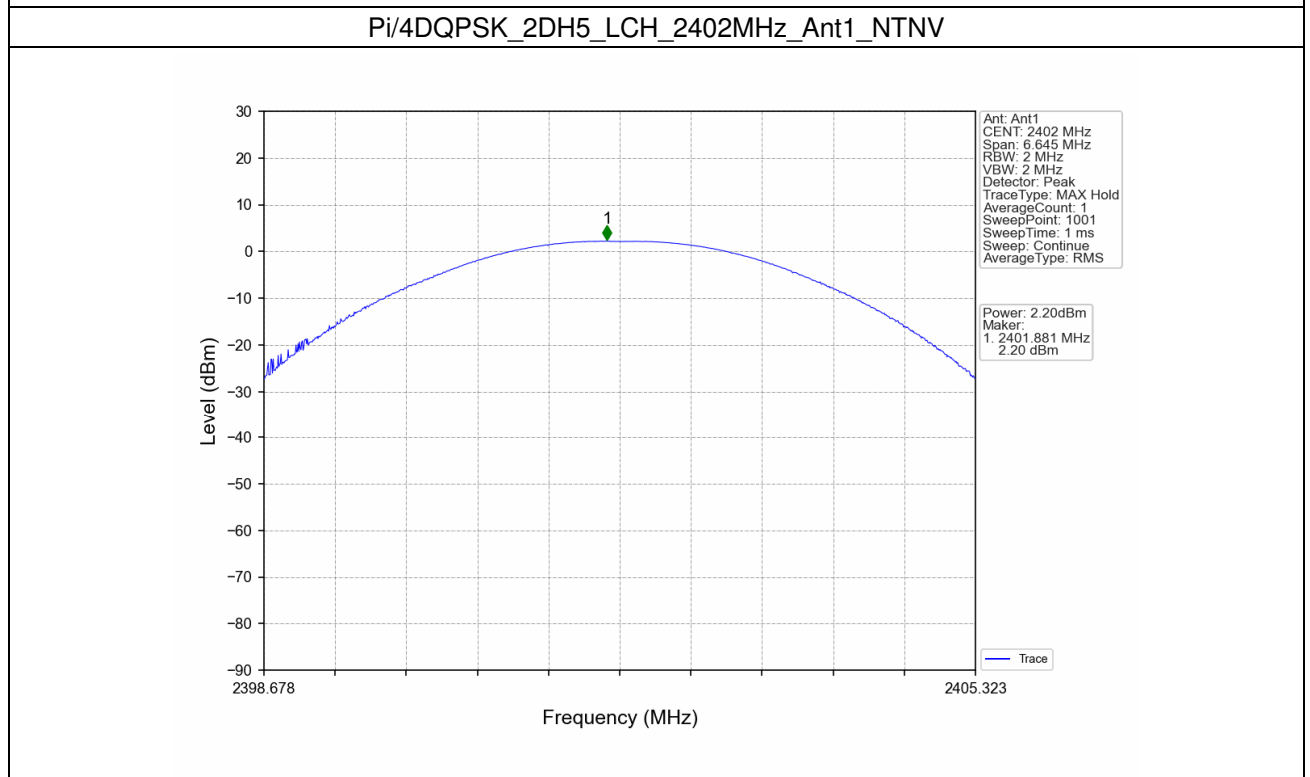
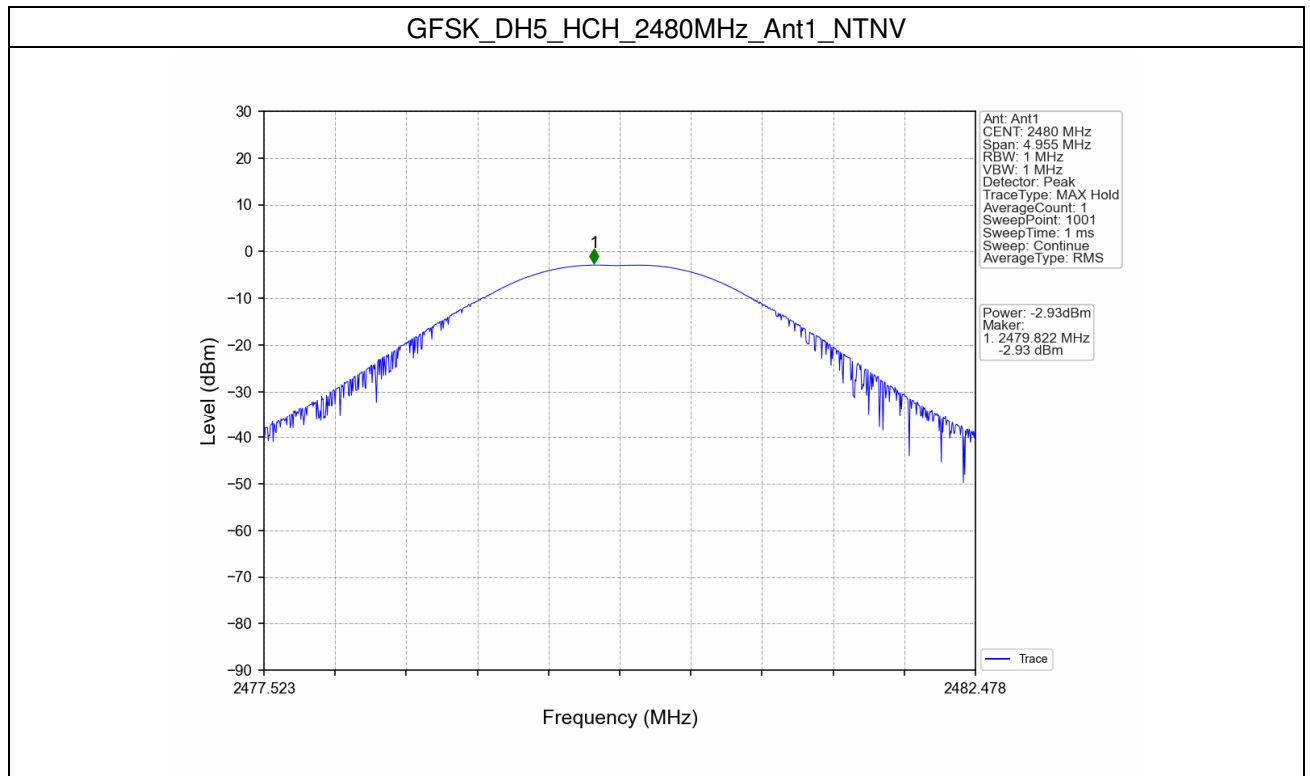
2.1.2 Test Graph



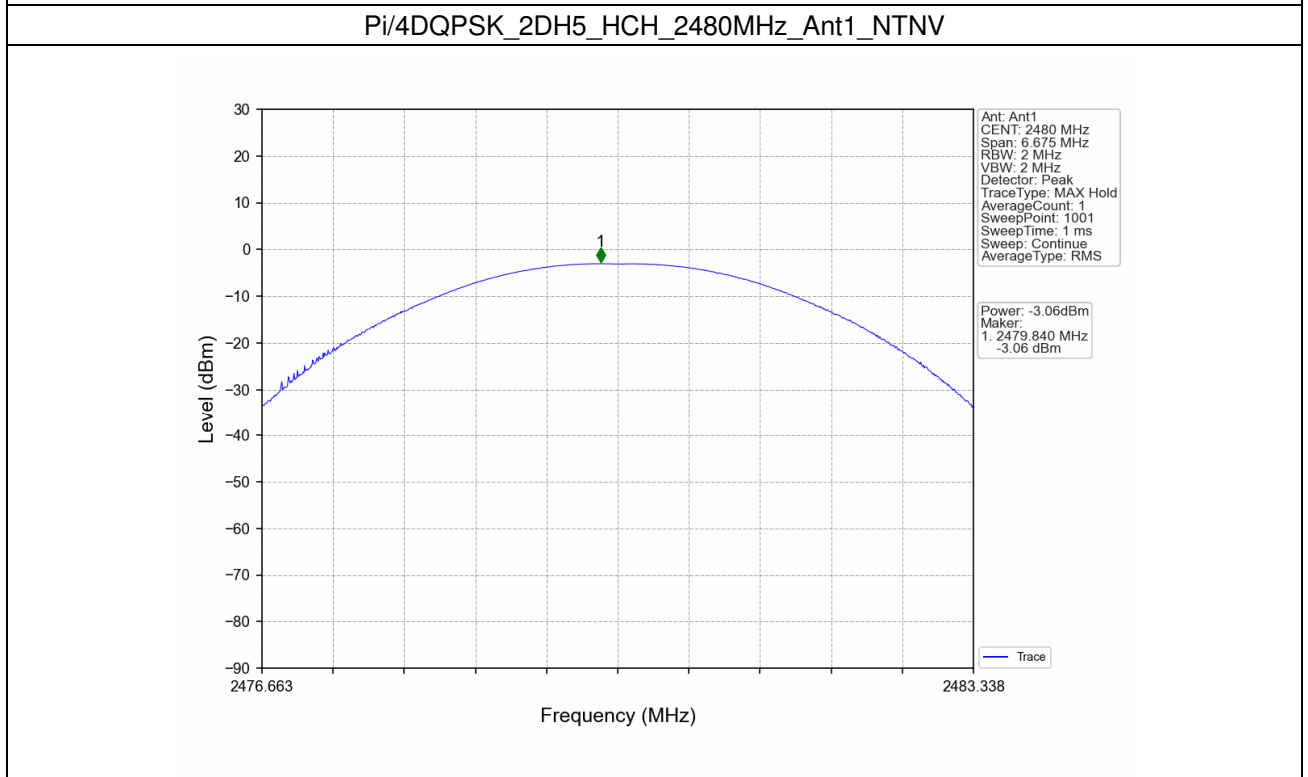
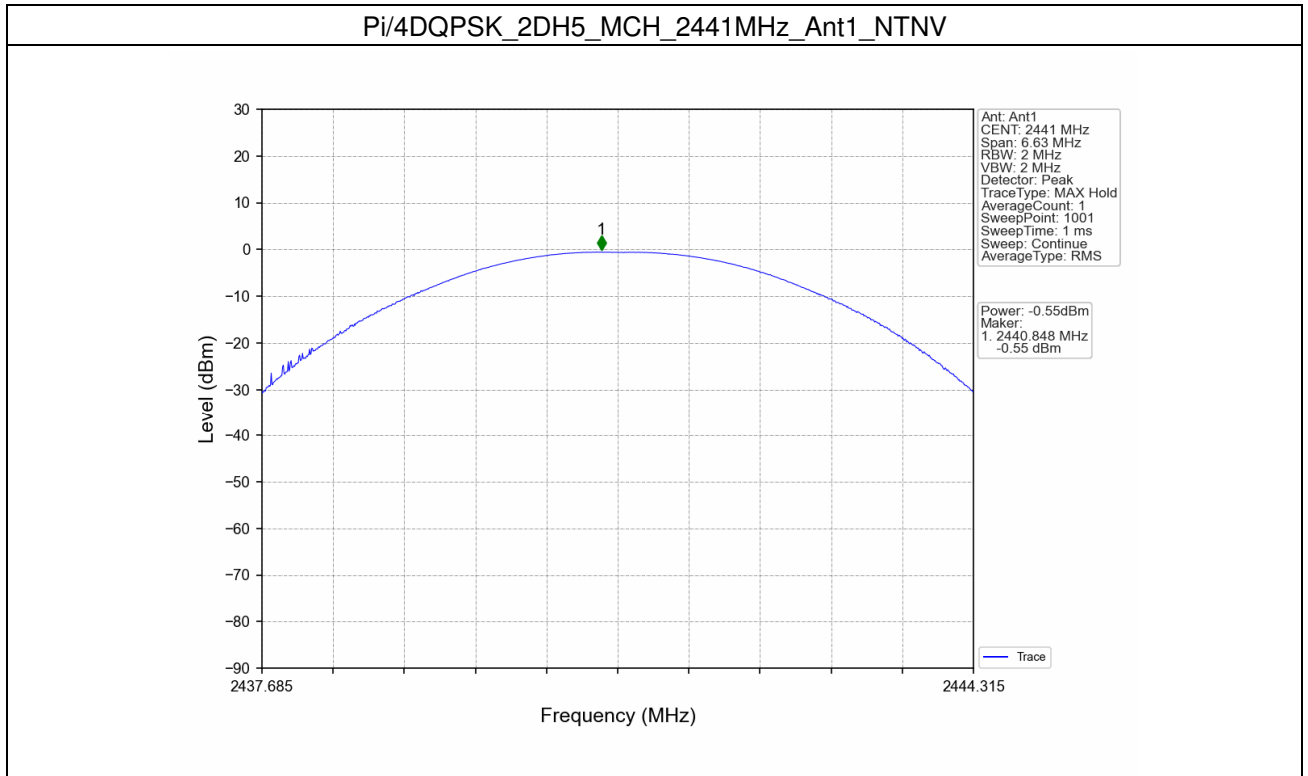
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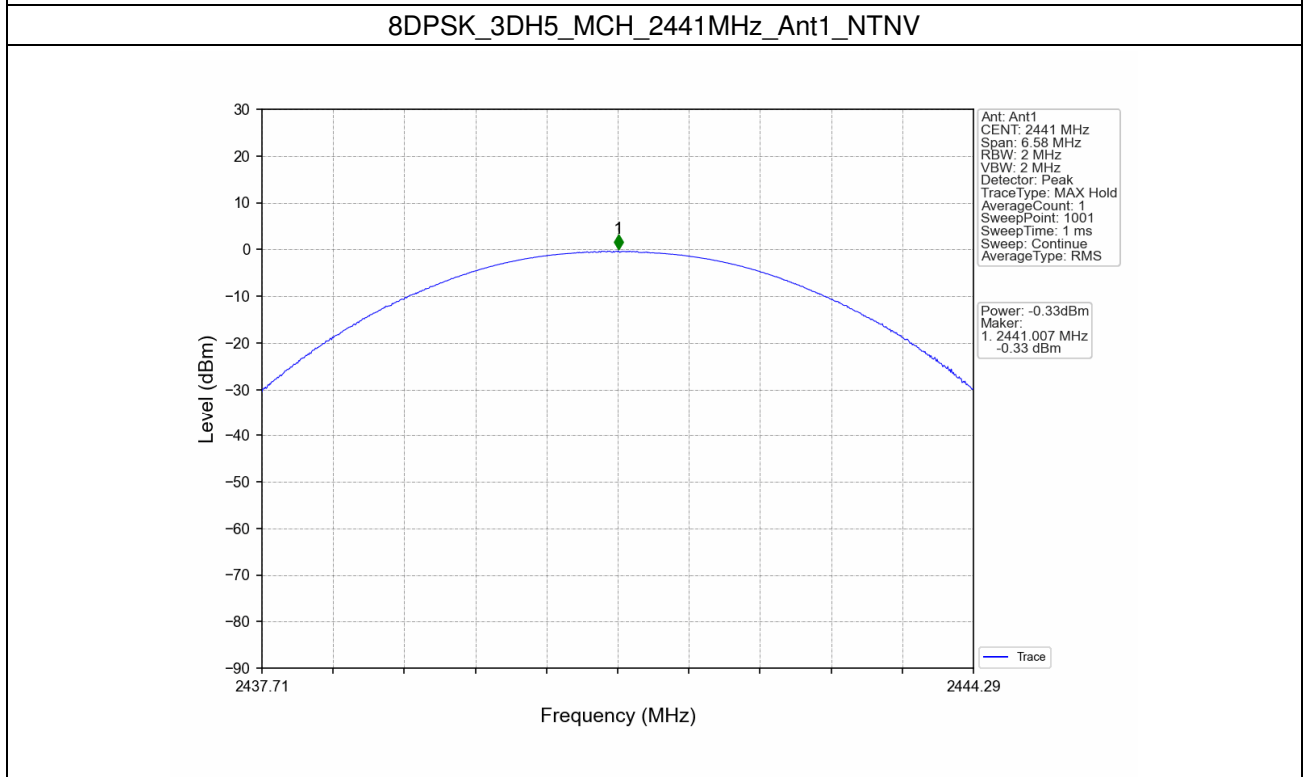
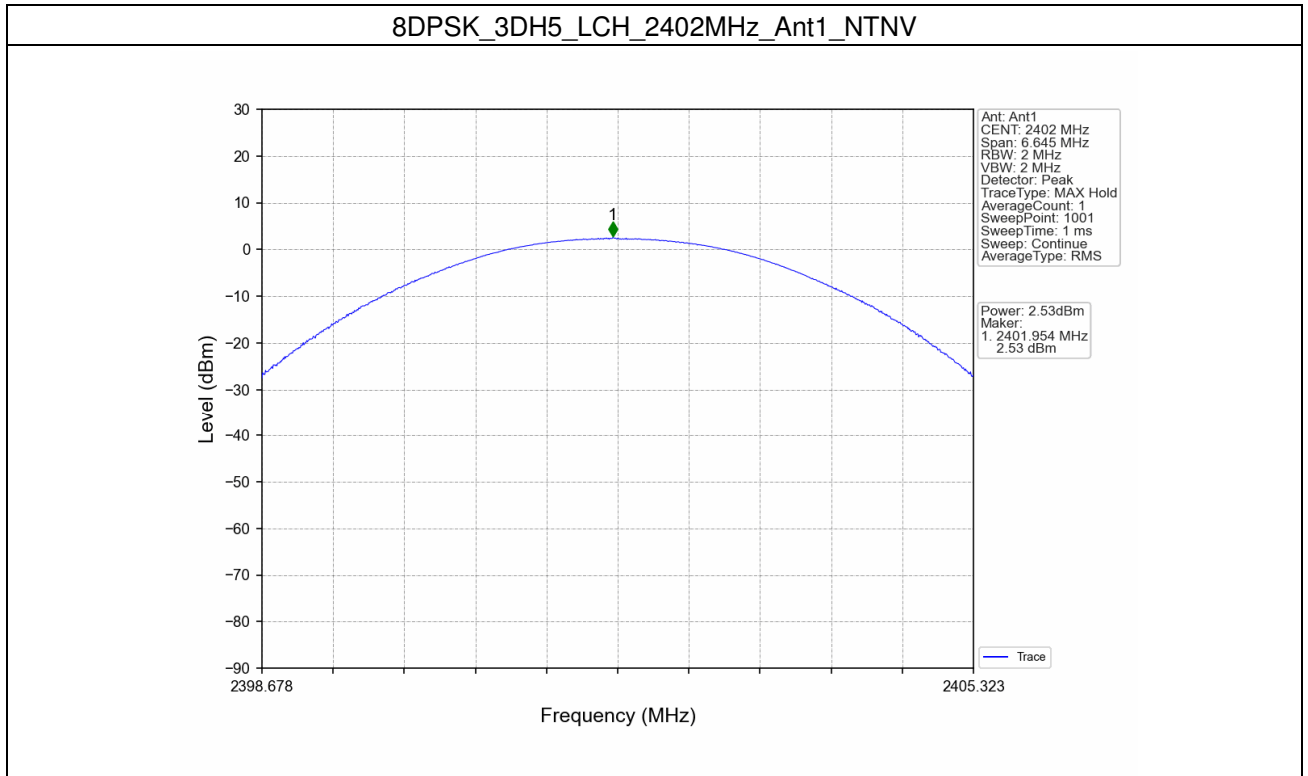


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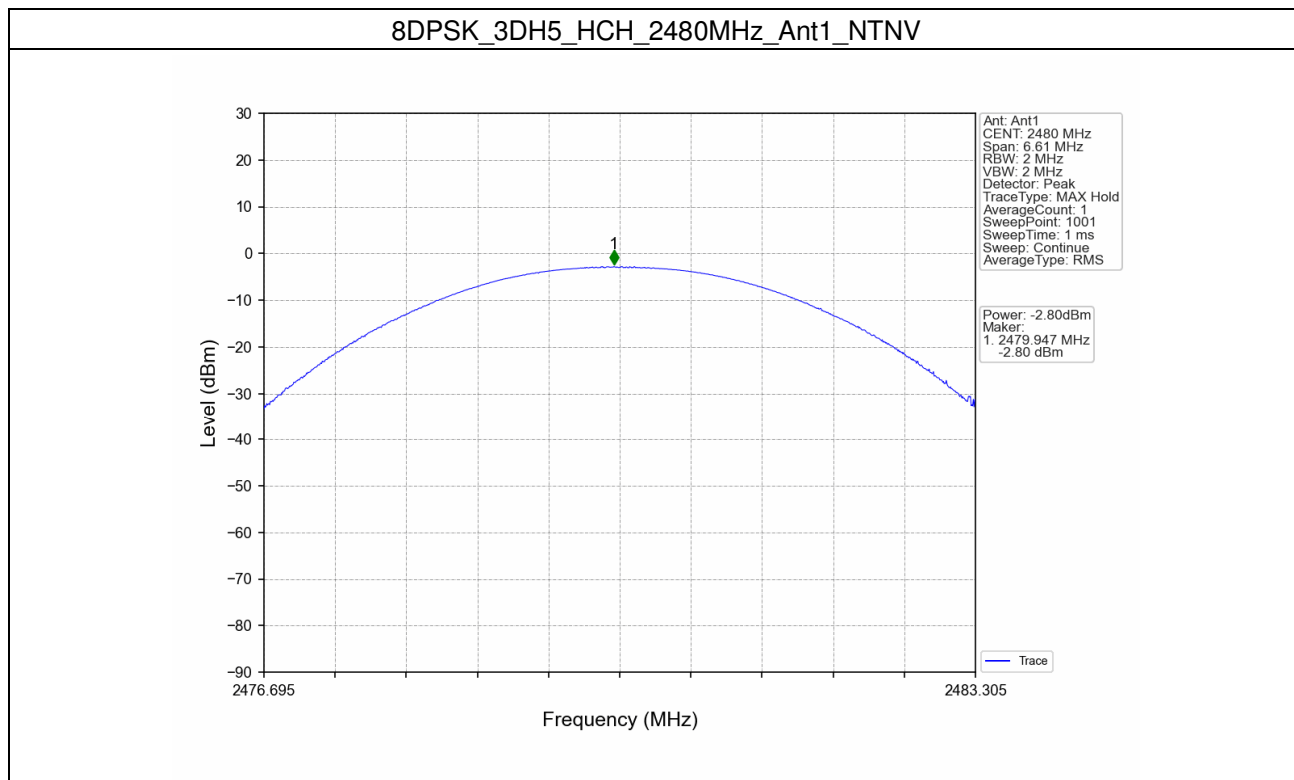
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3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

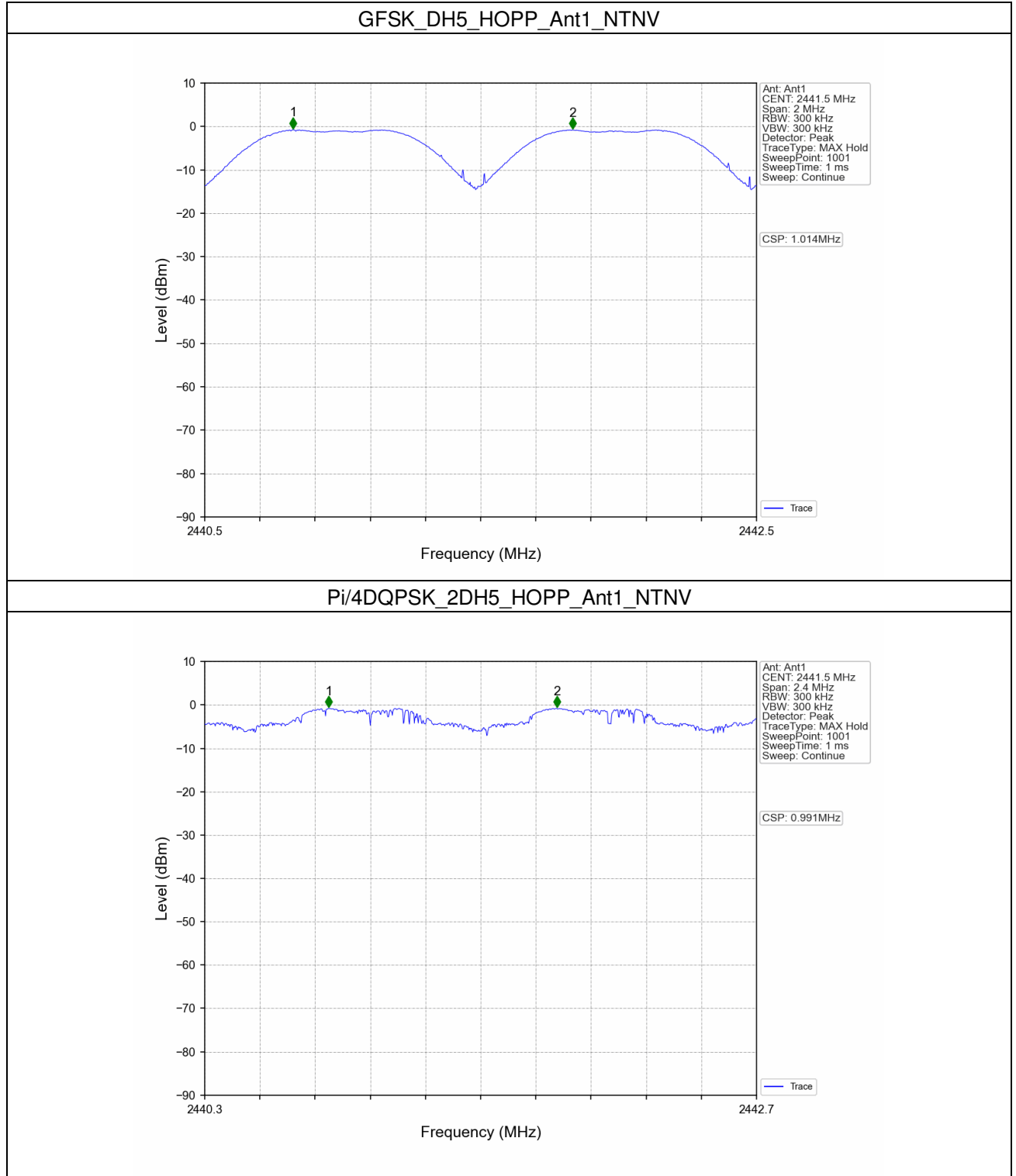
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.014	1.014	≥ 1.014	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.991	1.335	≥ 0.89	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.329	≥ 0.886	Pass



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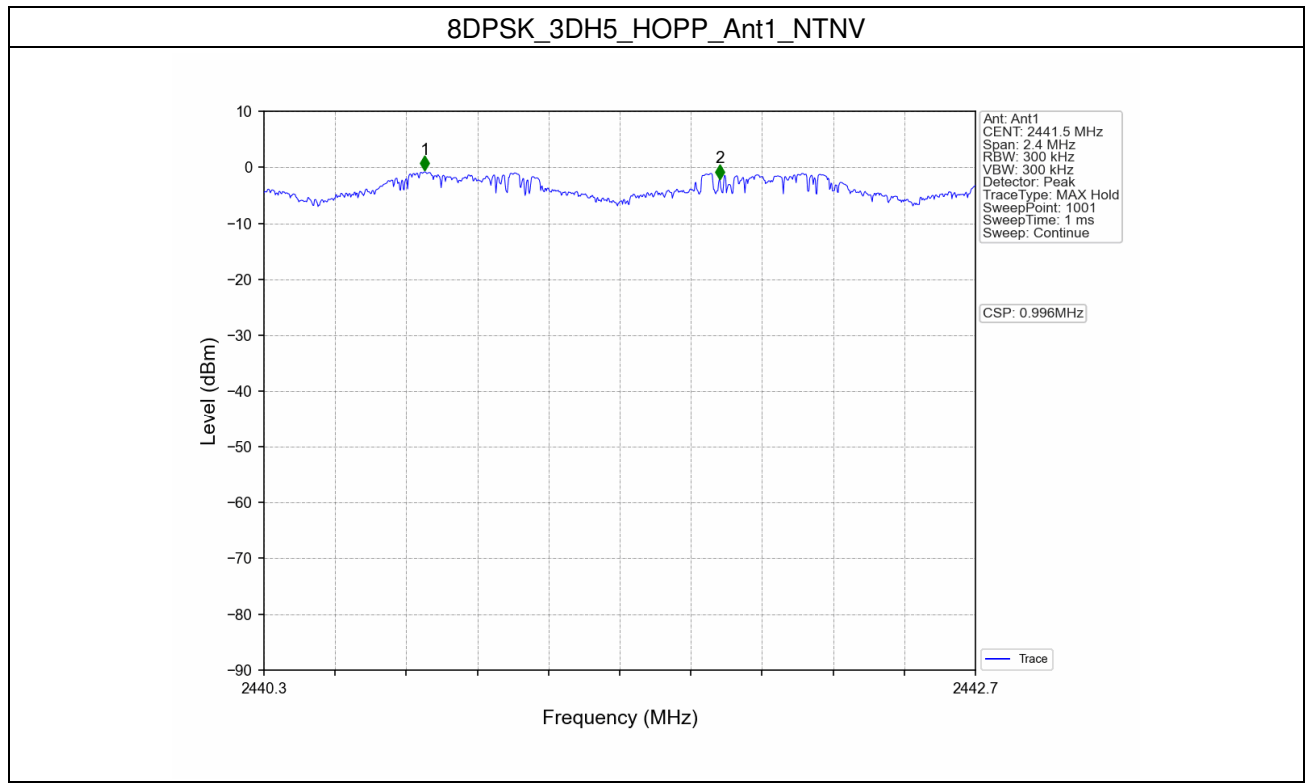
3.1.2 Test Graph



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4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

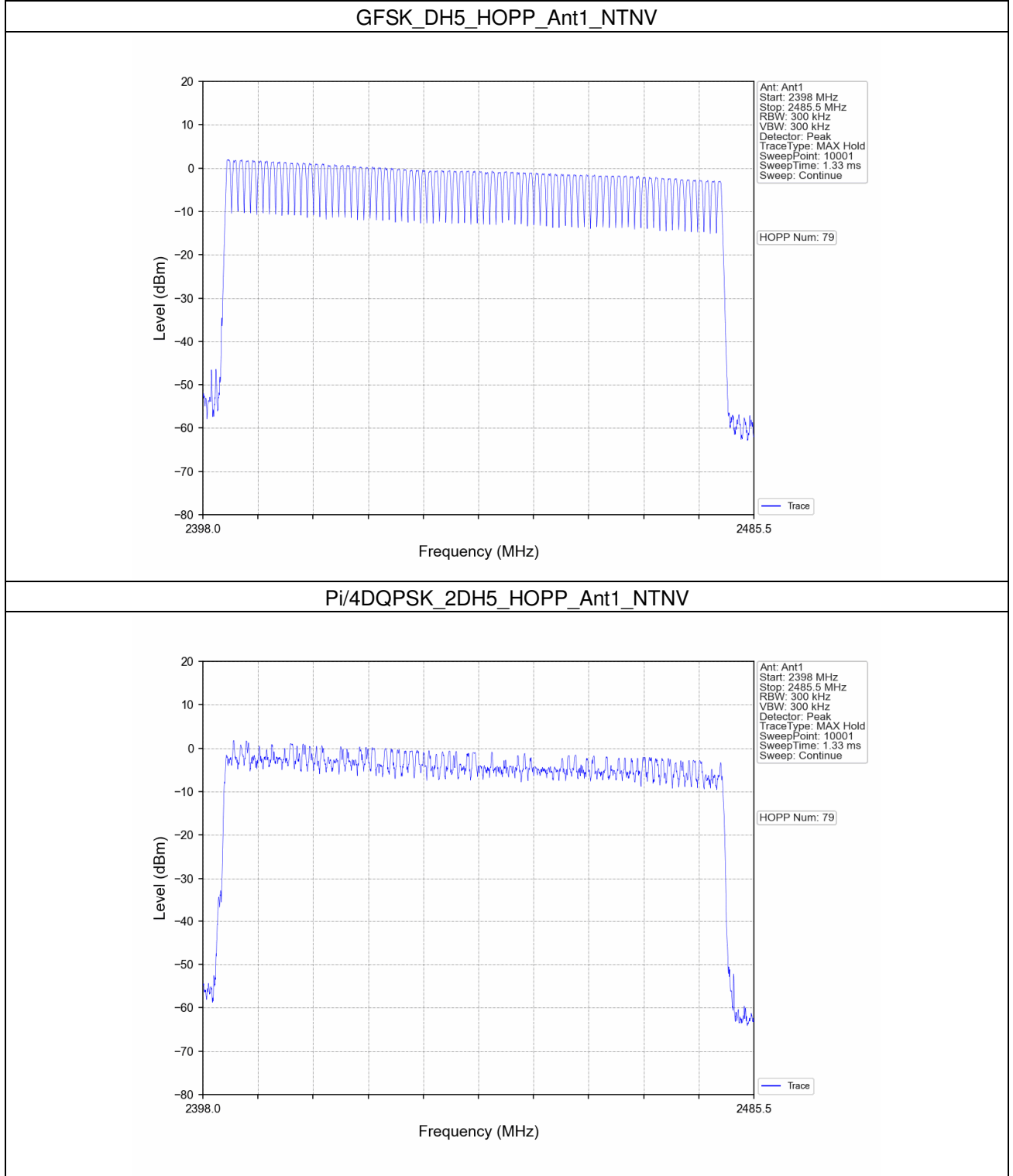
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass



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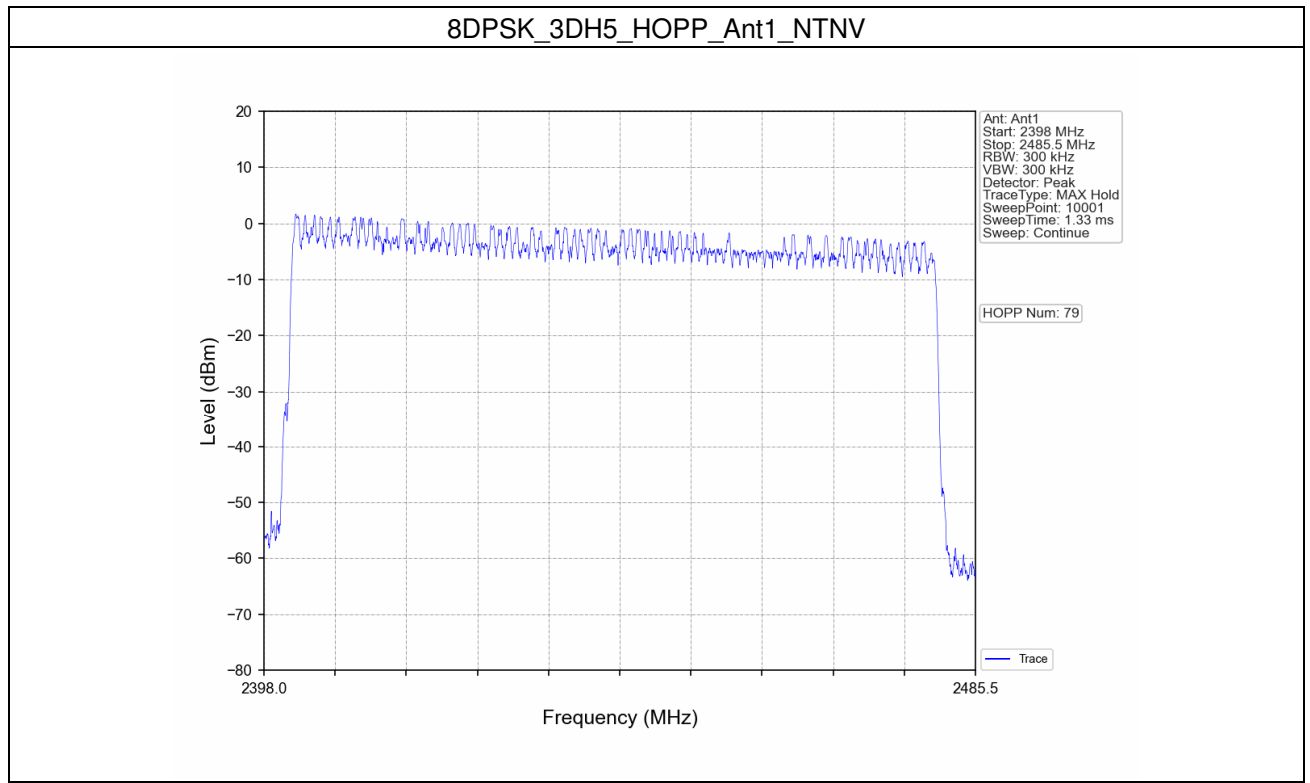
4.1.2 Test Graph



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5. Time of Occupancy (Dwell Time)

5.1 Ant1

5.1.1 Test Result

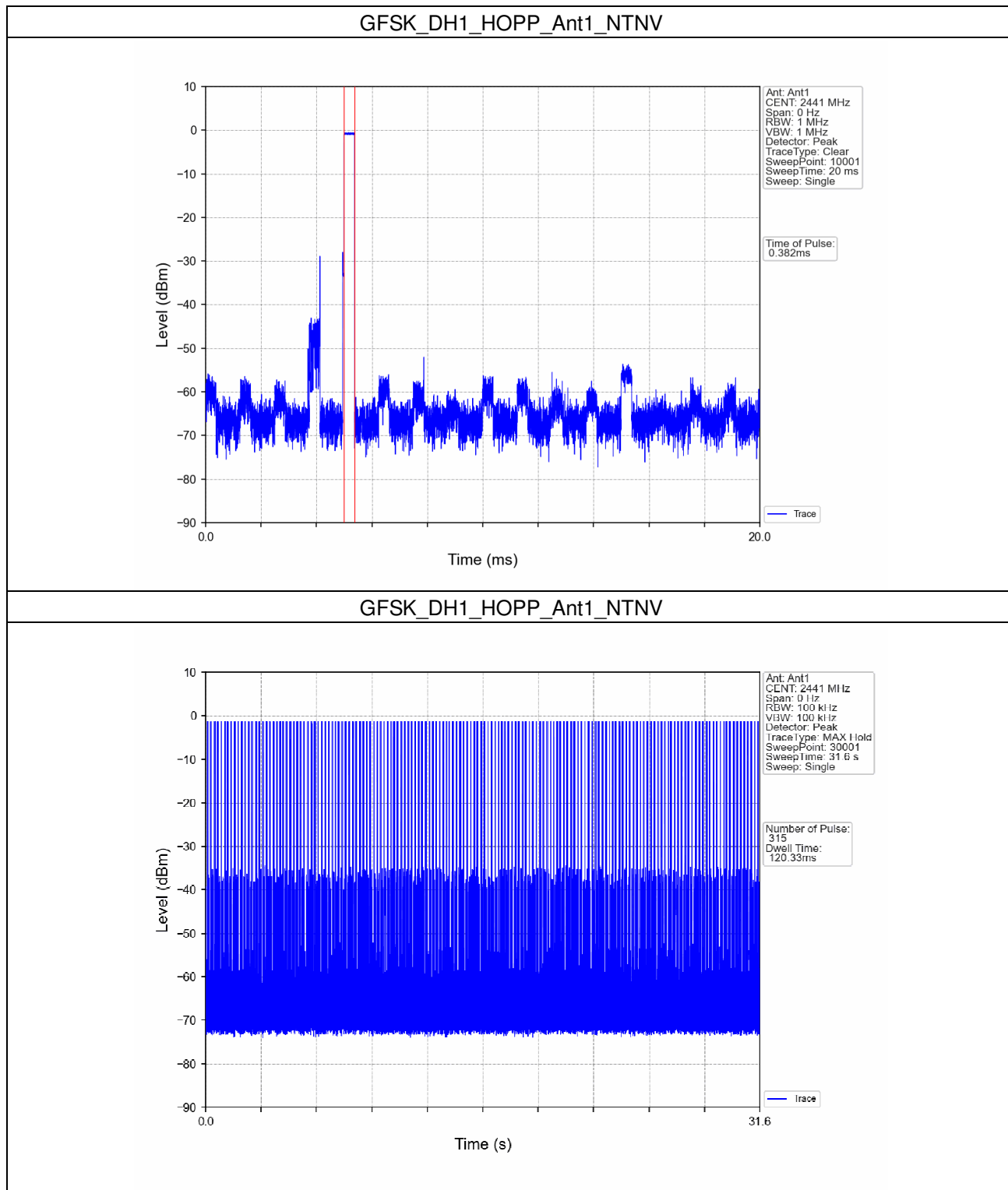
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.382	31.600	315	120.330	<=400	Pass
			DH3	1.648	31.600	170	280.160	<=400	Pass
			DH5	2.946	31.600	104	306.384	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.392	31.600	316	123.872	<=400	Pass
			2DH3	1.642	31.600	173	284.066	<=400	Pass
			2DH5	2.952	31.600	108	318.816	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	315	122.850	<=400	Pass
			3DH3	1.640	31.600	170	278.800	<=400	Pass
			3DH5	2.952	31.600	99	292.248	<=400	Pass



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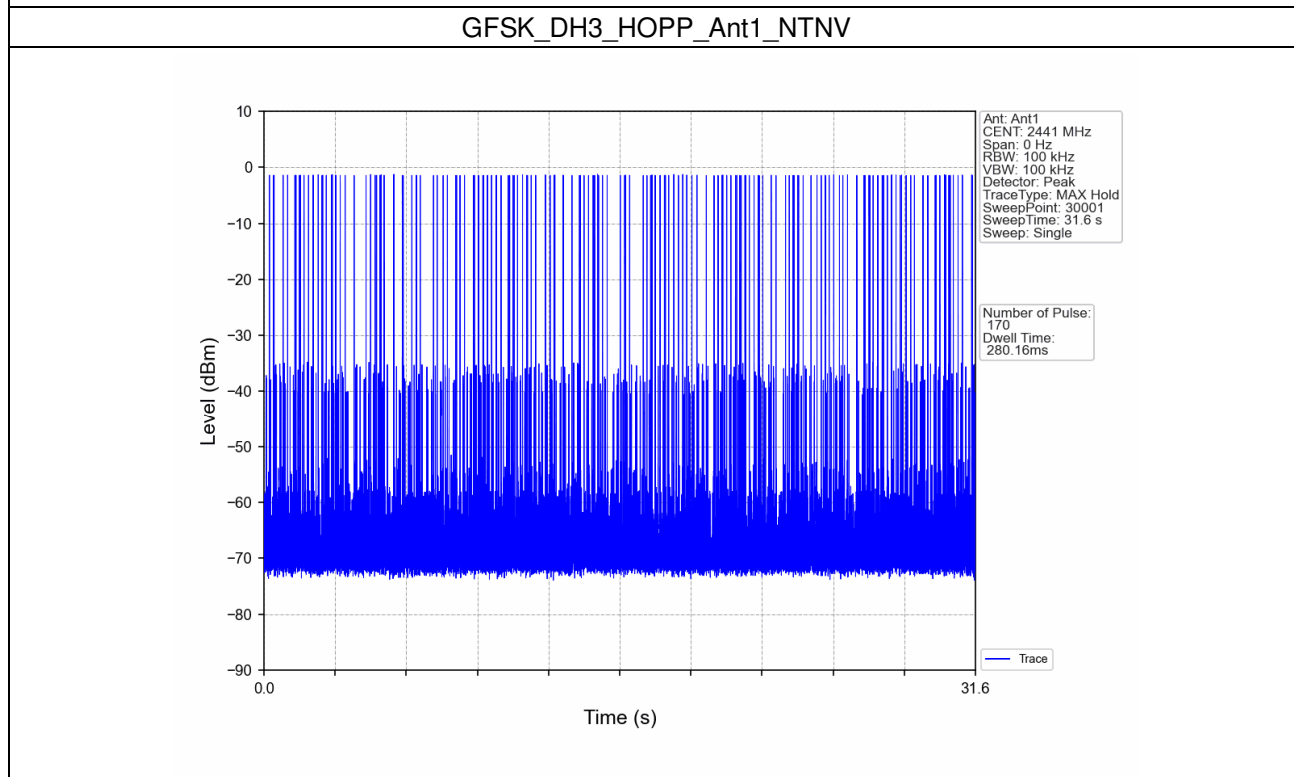
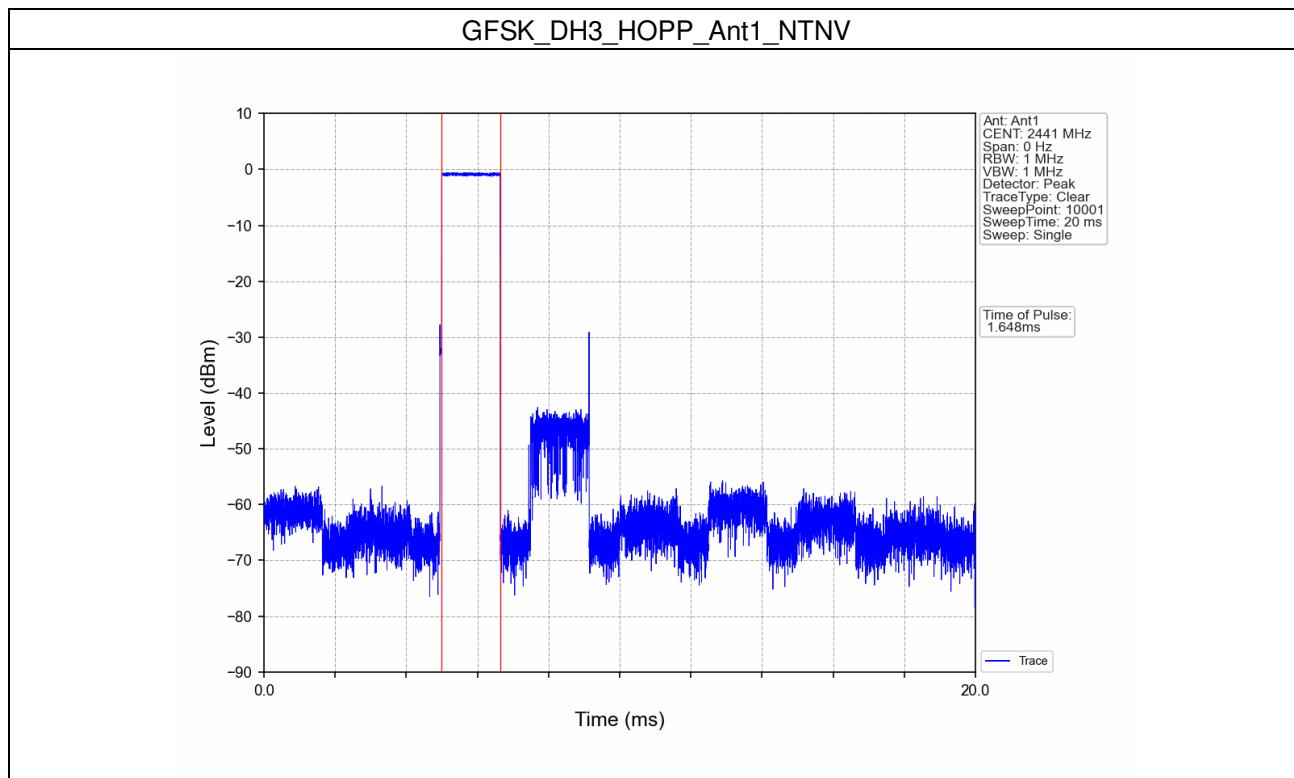
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5.1.2 Test Graph

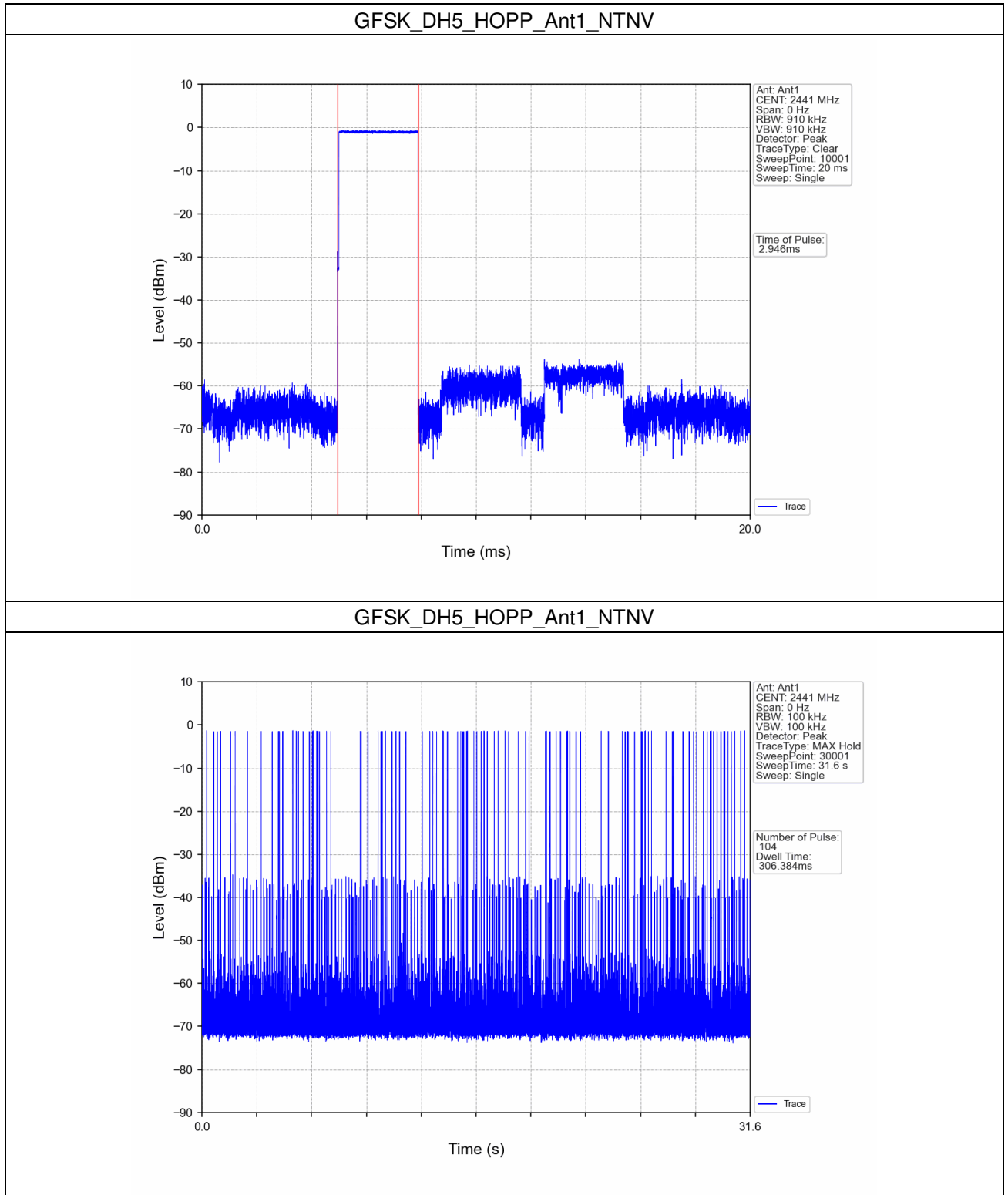


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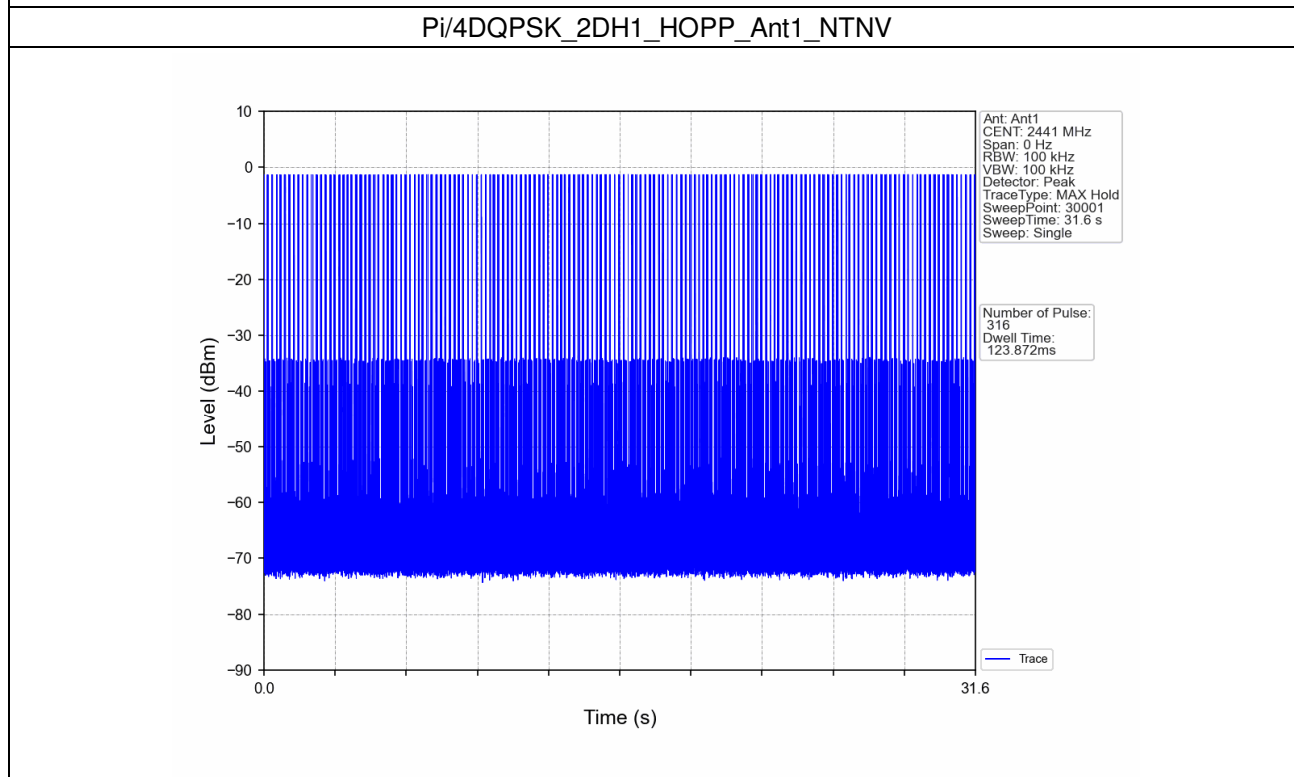
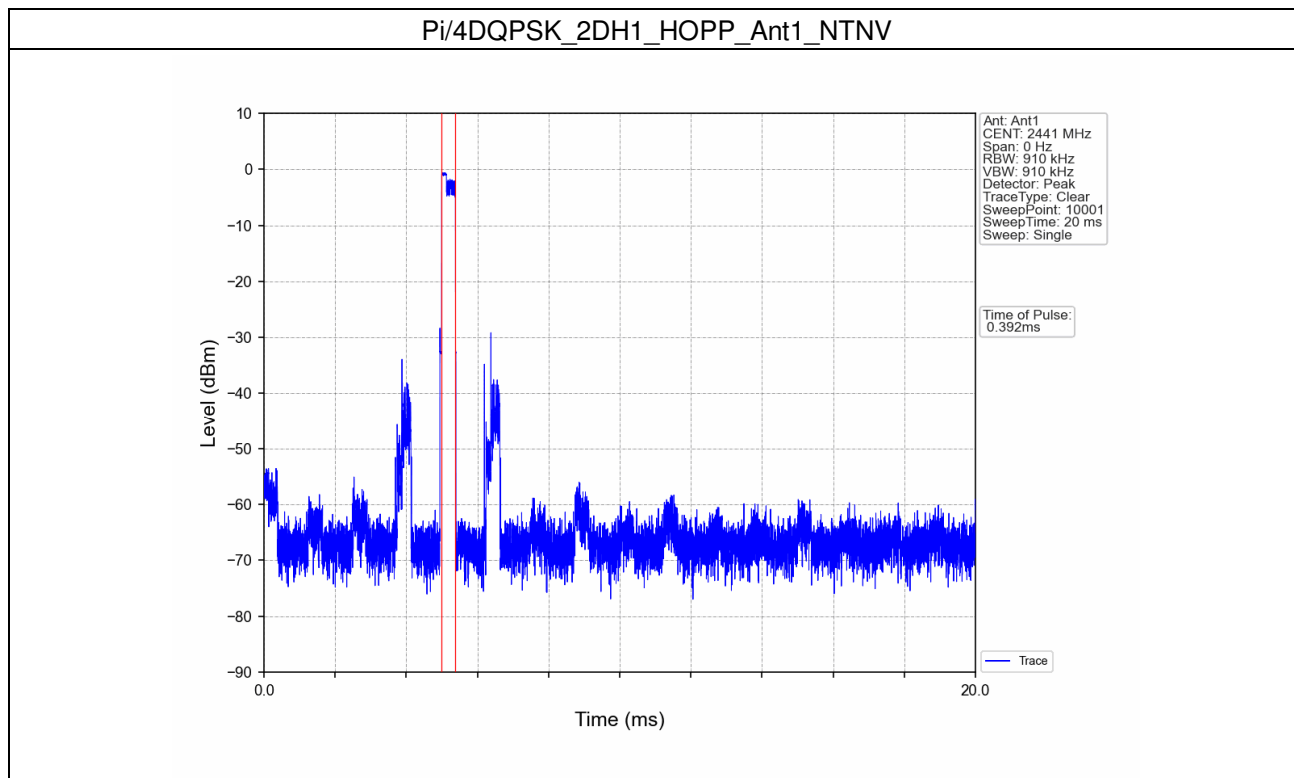


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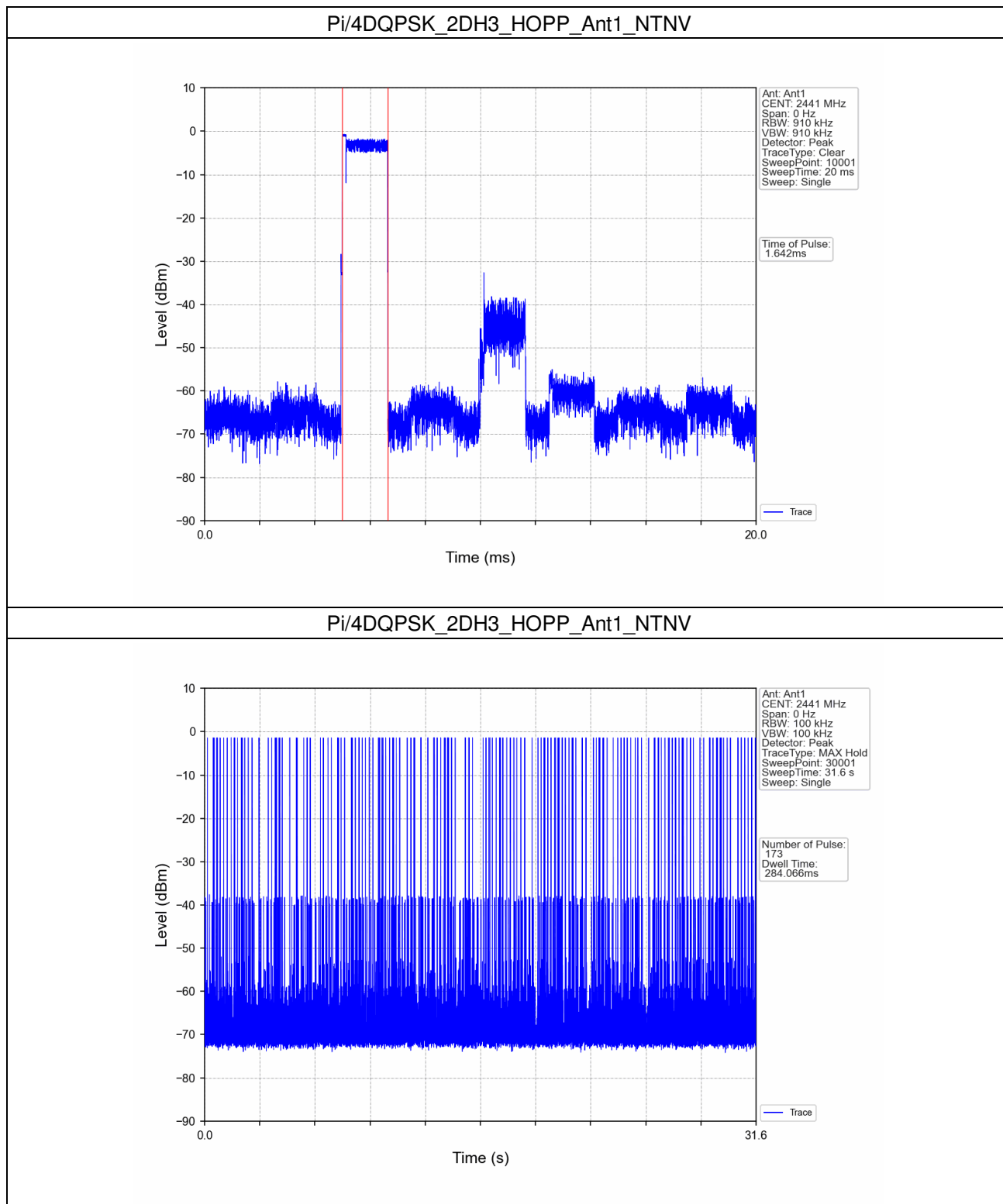
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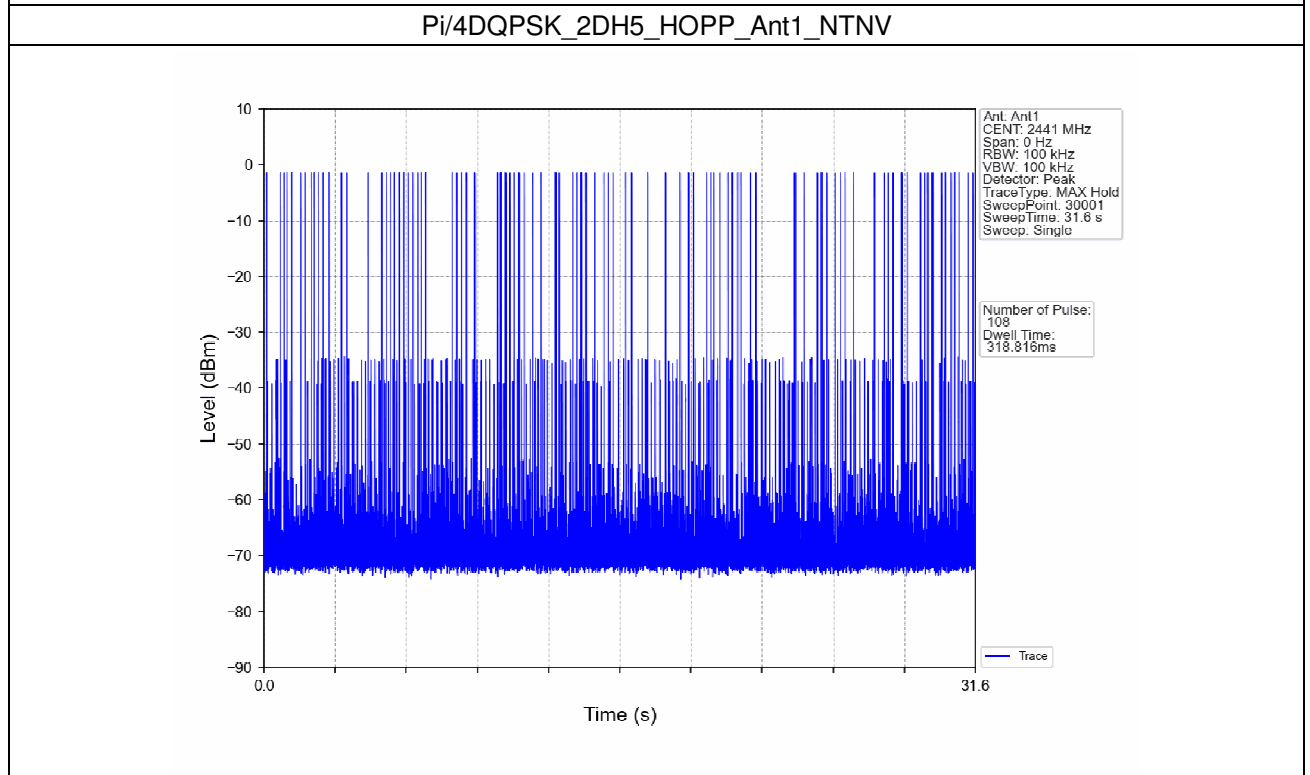
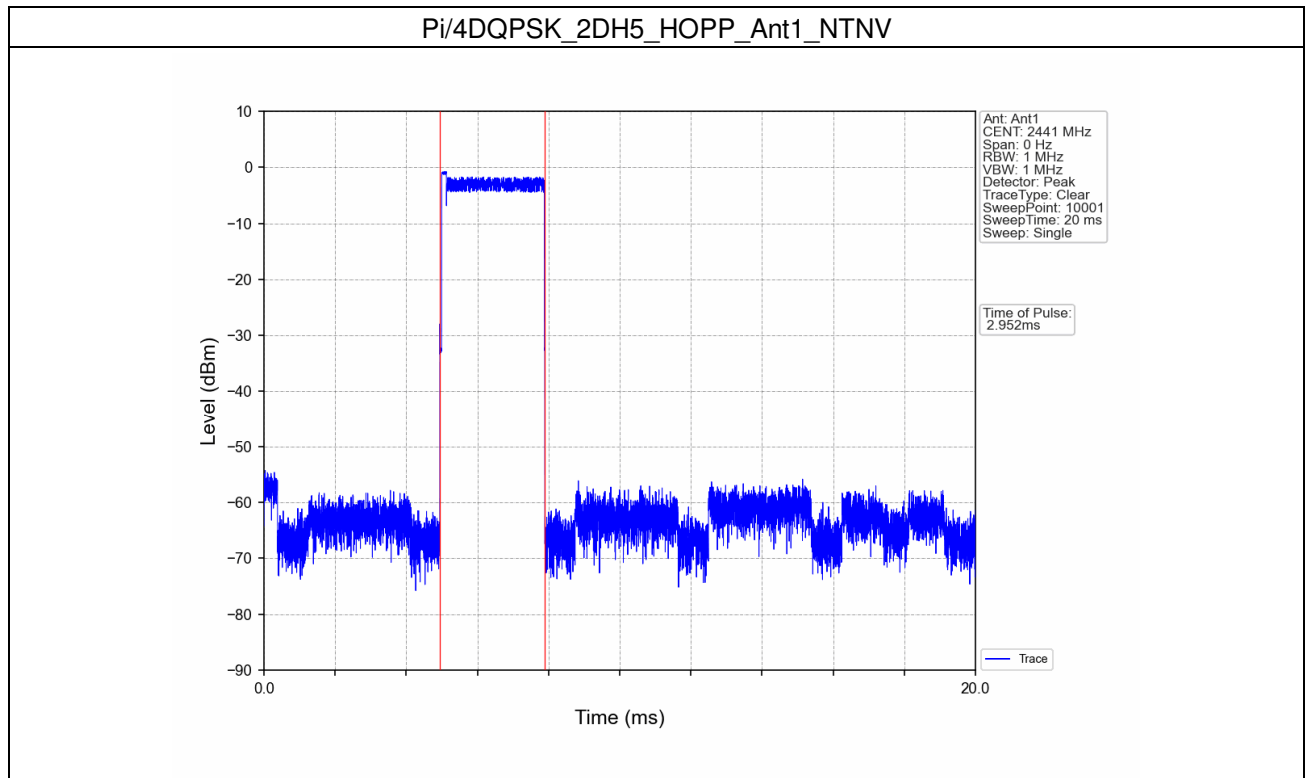
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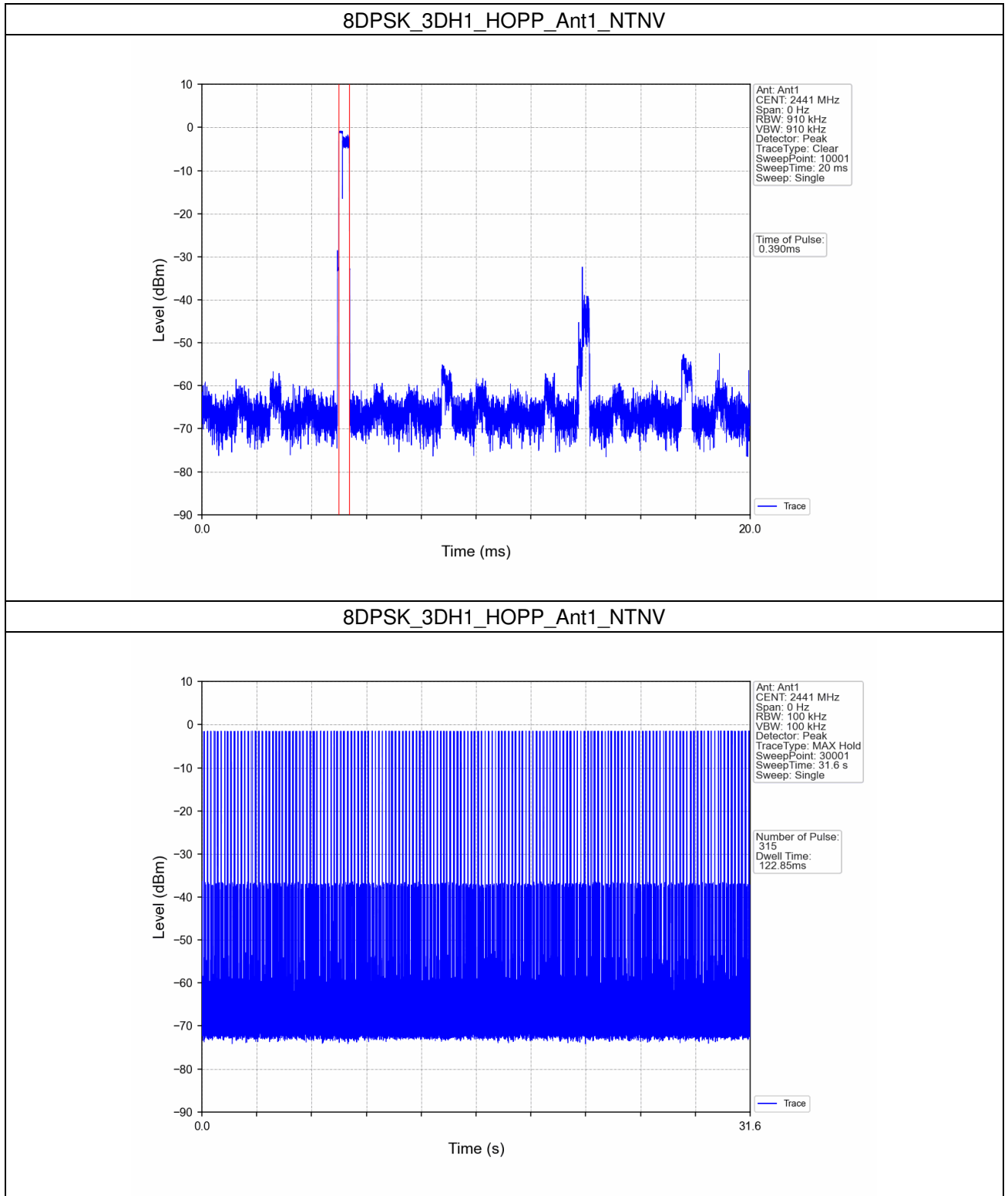


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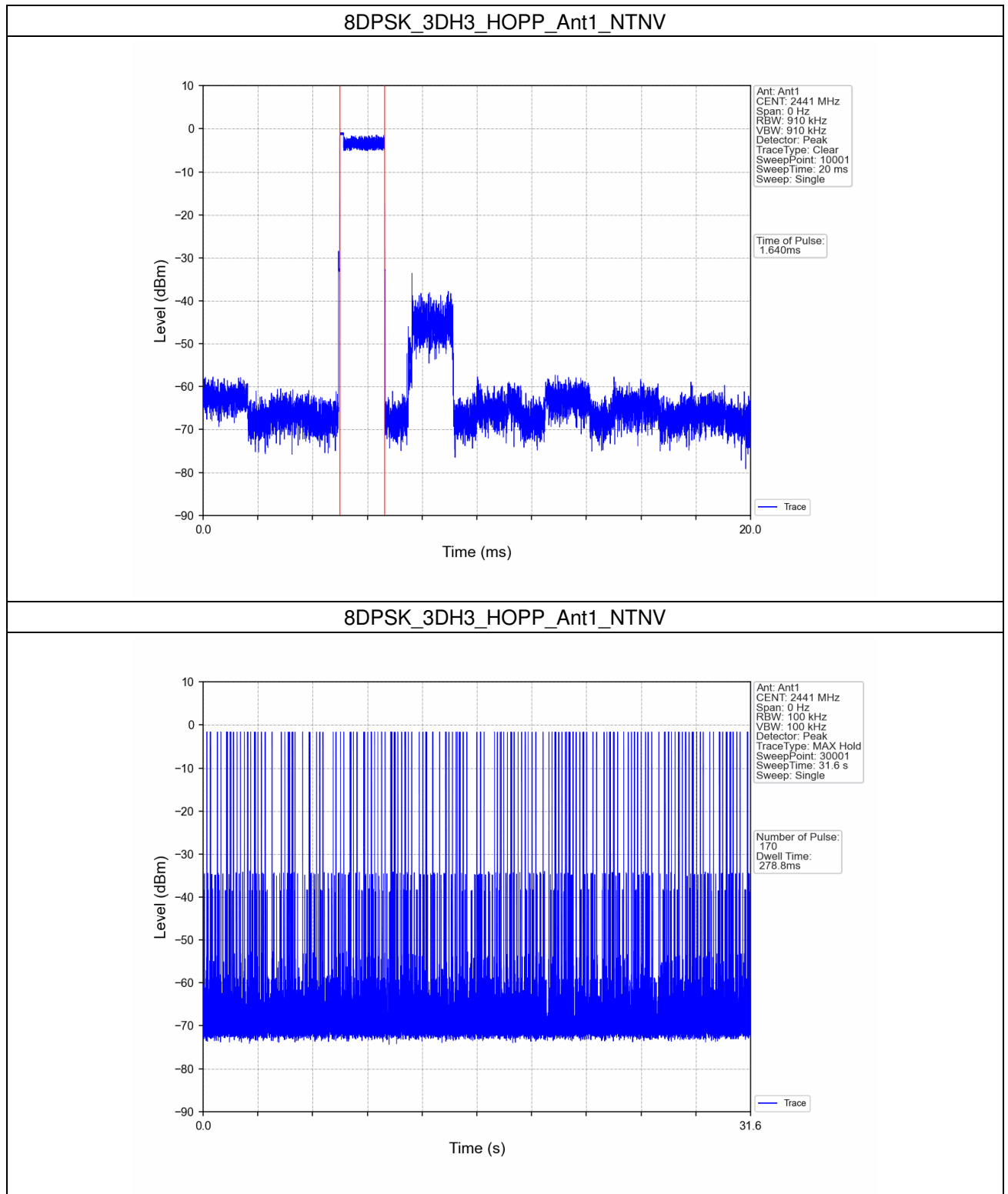


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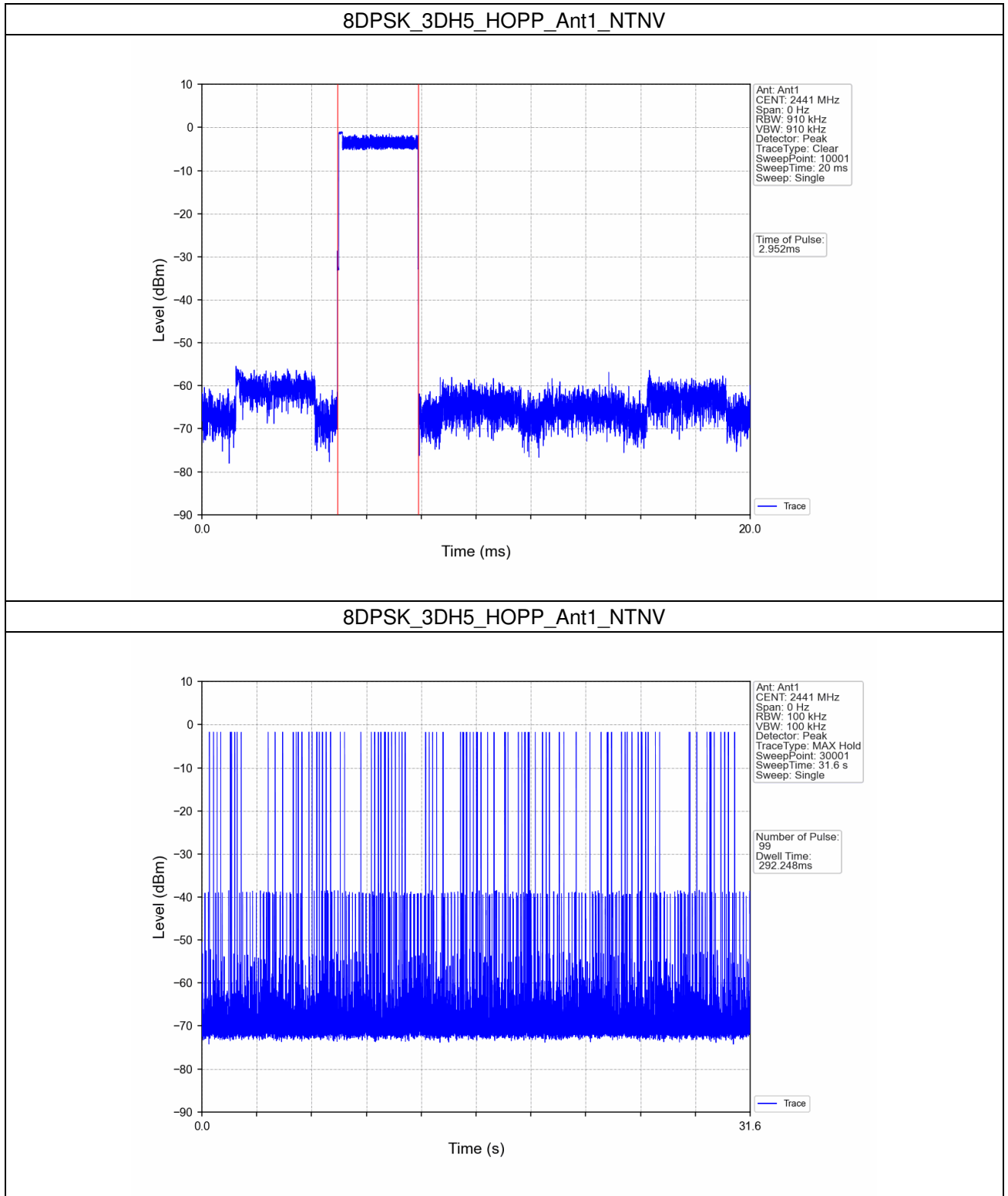


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6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

6.1.1 Test Result

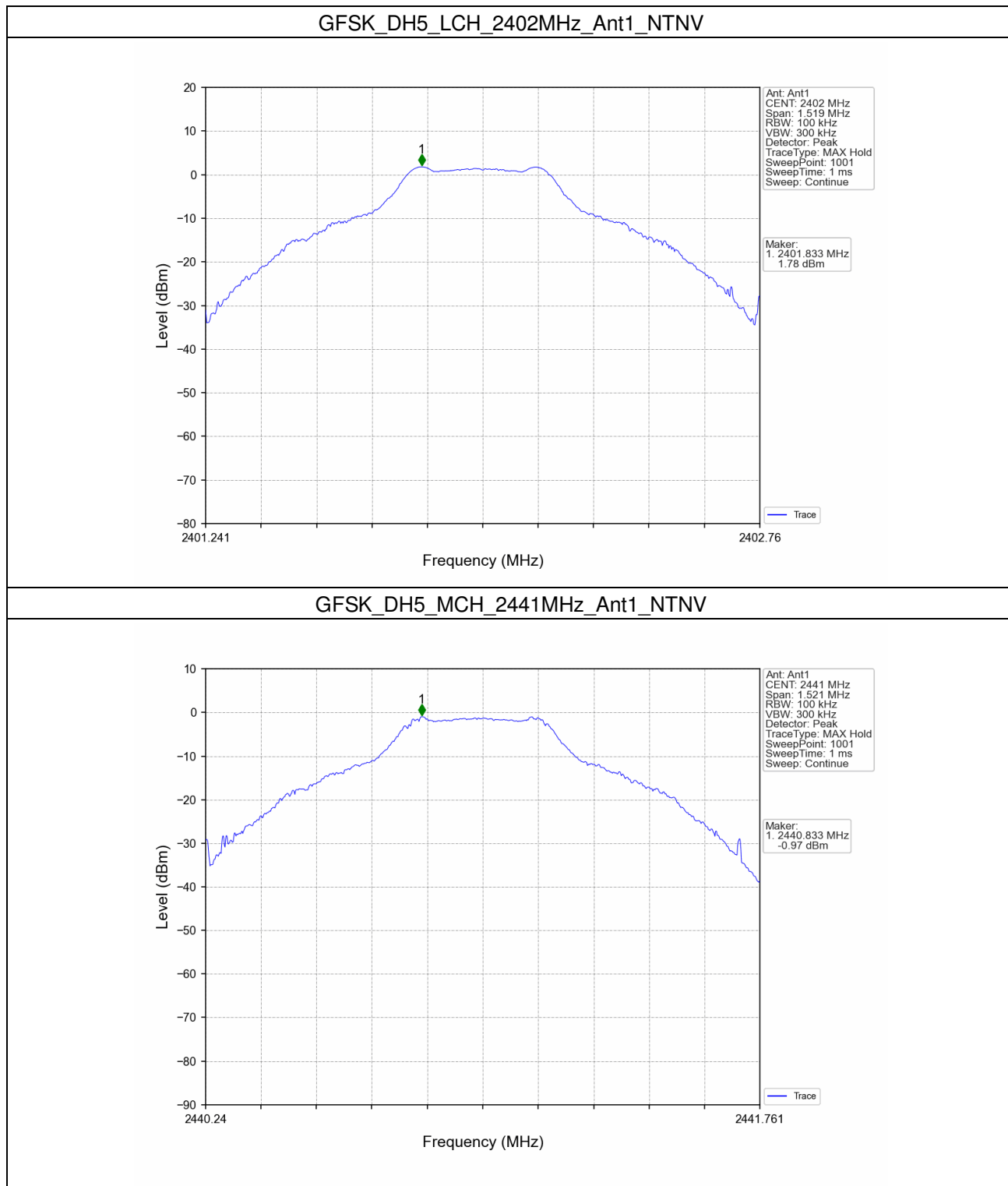
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	1.78
		2441	DH5	1	-0.97
		2480	DH5	1	-3.23
Pi/4DQPSK	SISO	2402	2DH5	1	1.78
		2441	2DH5	1	-0.92
		2480	2DH5	1	-3.79
8DPSK	SISO	2402	3DH5	1	1.85
		2441	3DH5	1	-1.03
		2480	3DH5	1	-3.37

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.



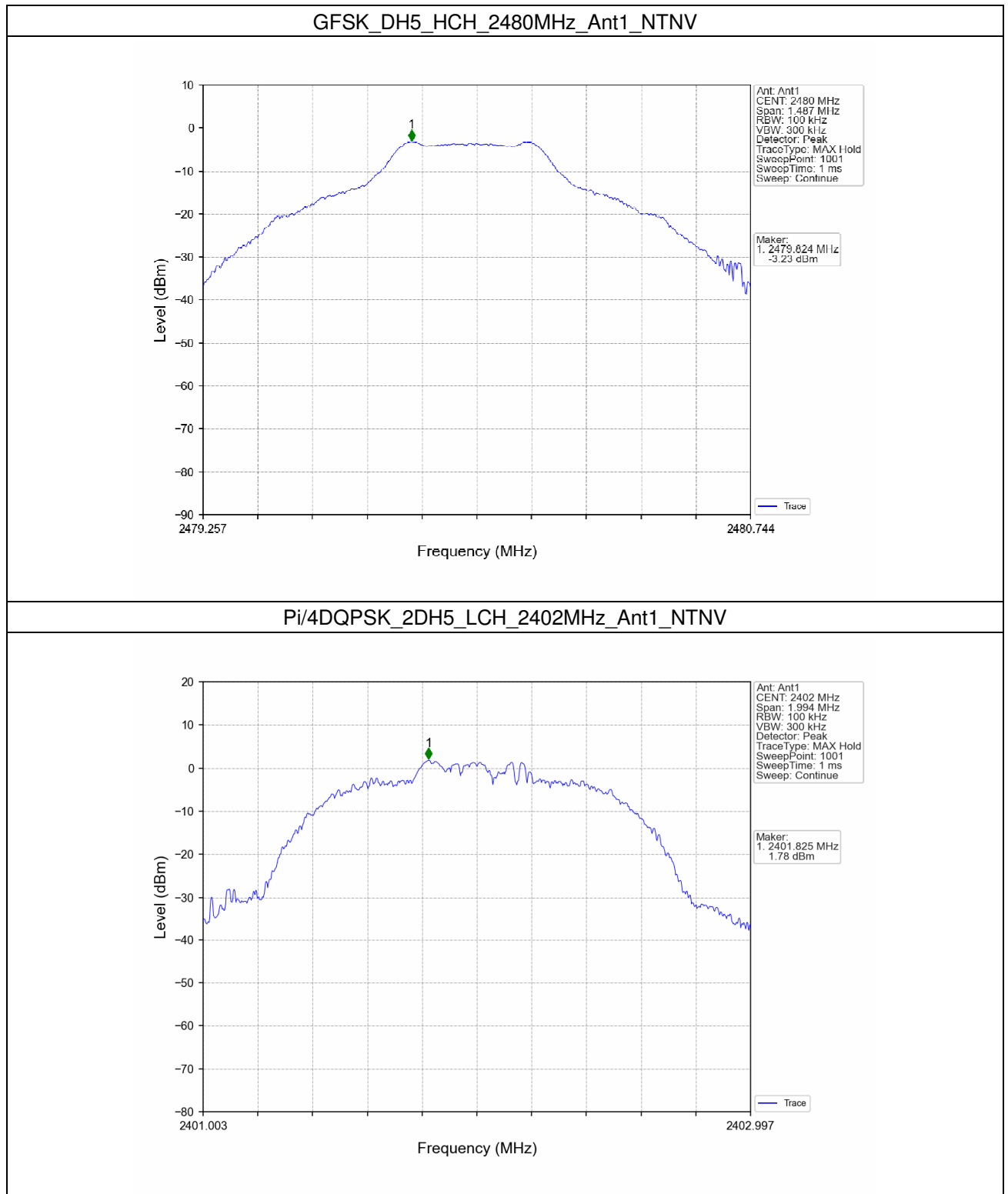
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6.1.2 Test Graph



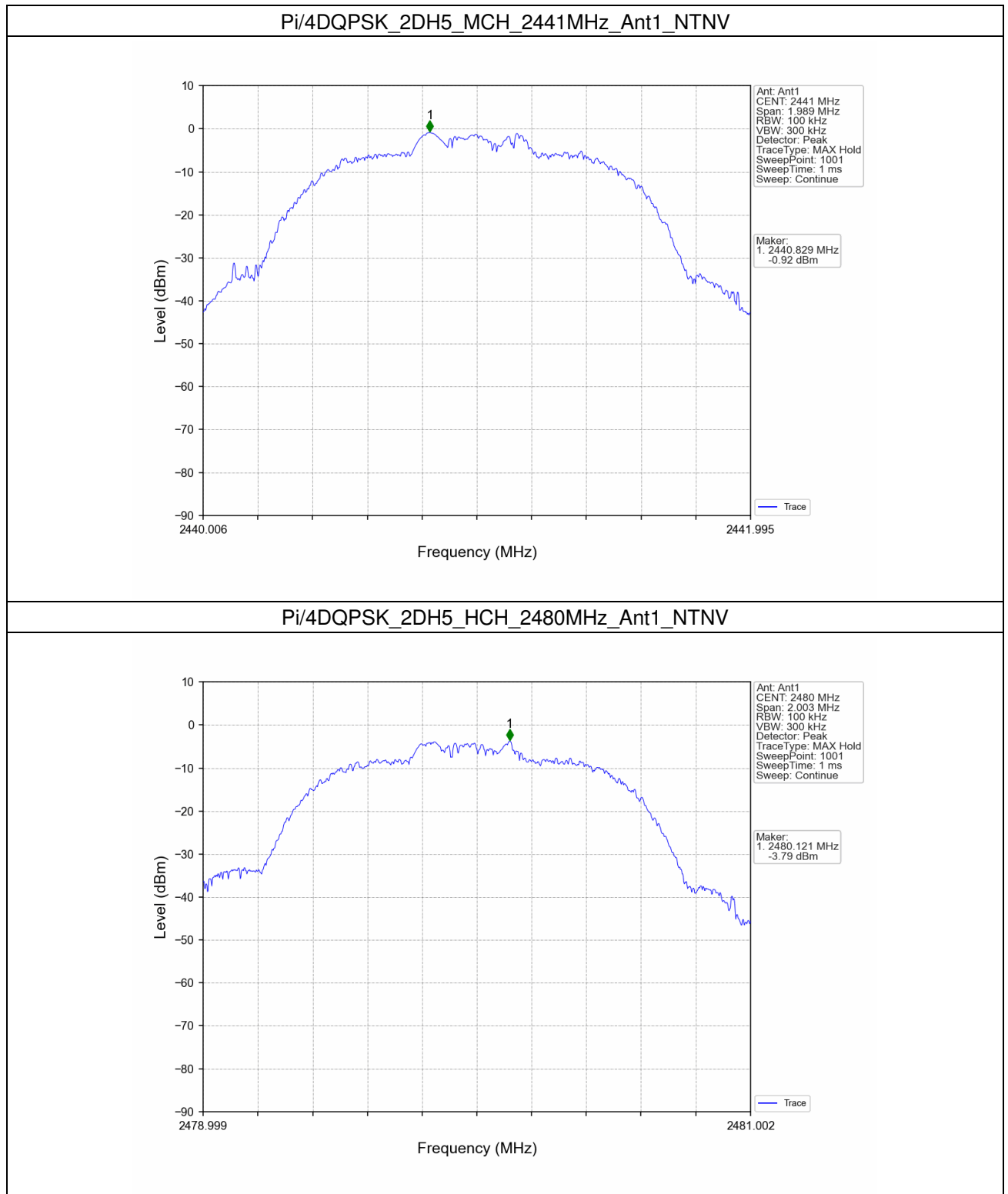
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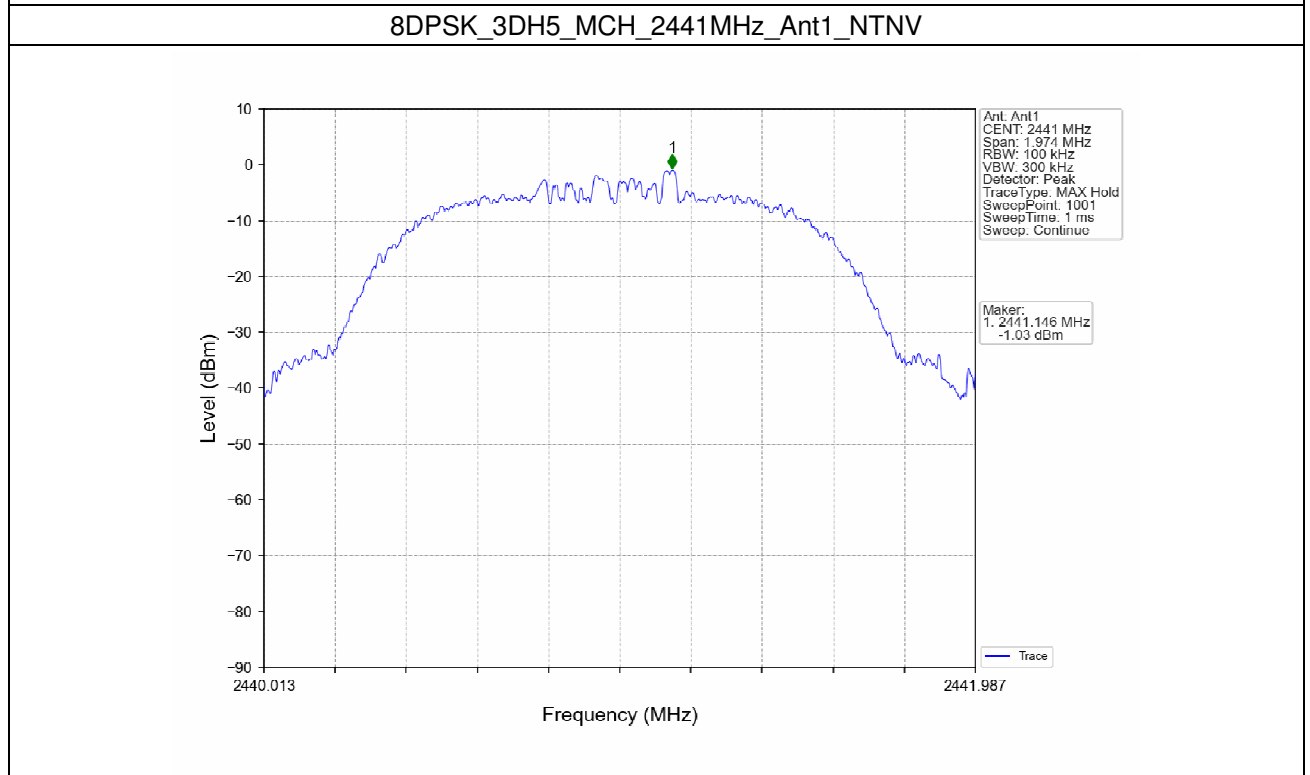
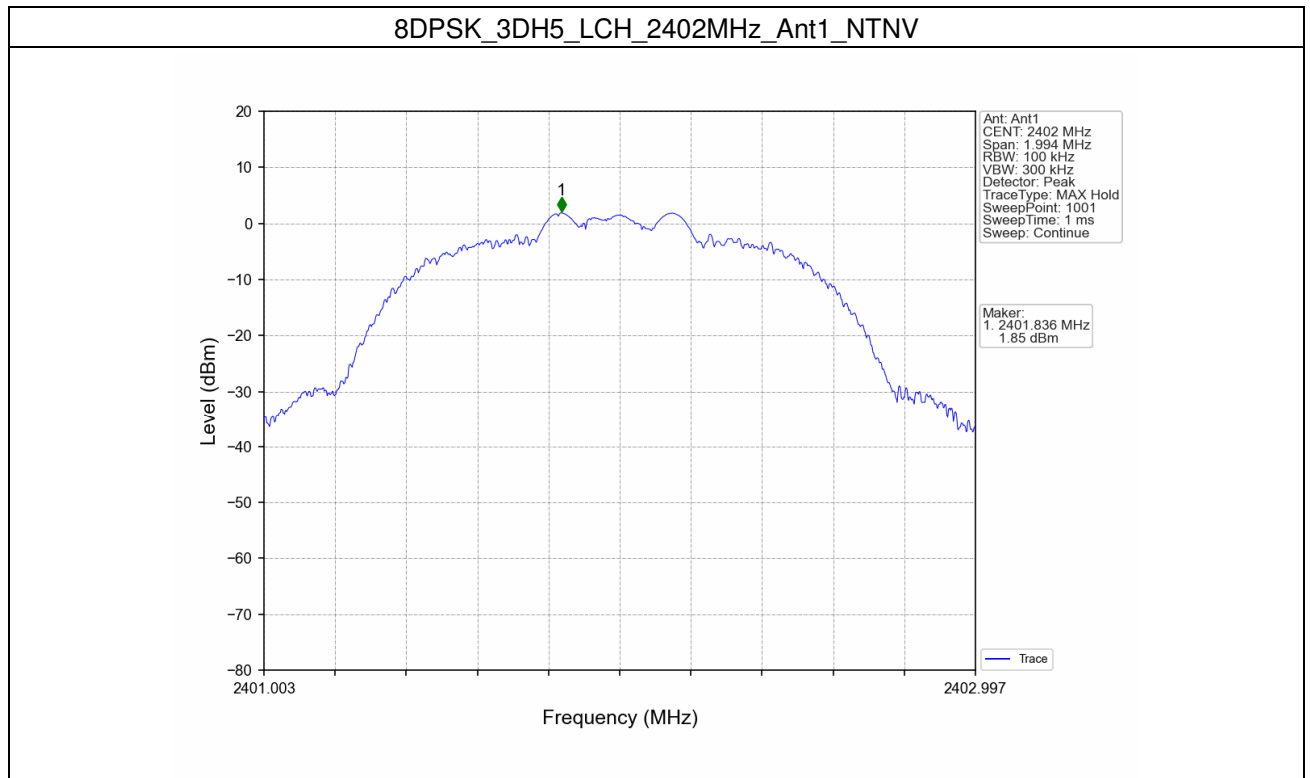
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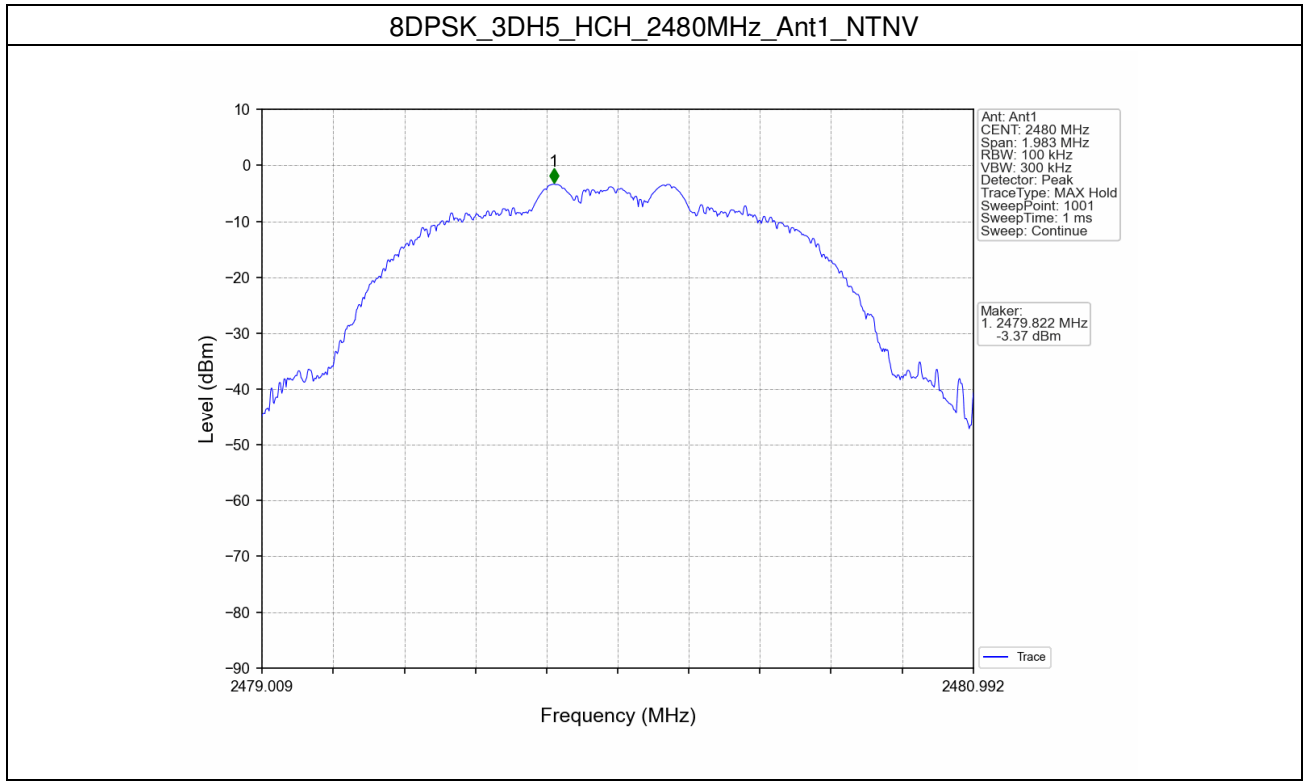
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6.2 CSE

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	1.78	-18.22	Pass
		2441	DH5	1	1.78	-18.22	Pass
		2480	DH5	1	1.78	-18.22	Pass
		HOPP	DH5	1	1.78	-18.22	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.78	-18.22	Pass
		2441	2DH5	1	1.78	-18.22	Pass
		2480	2DH5	1	1.78	-18.22	Pass
		HOPP	2DH5	1	1.78	-18.22	Pass
8DPSK	SISO	2402	3DH5	1	1.85	-18.15	Pass
		2441	3DH5	1	1.85	-18.15	Pass
		2480	3DH5	1	1.85	-18.15	Pass
		HOPP	3DH5	1	1.85	-18.15	Pass

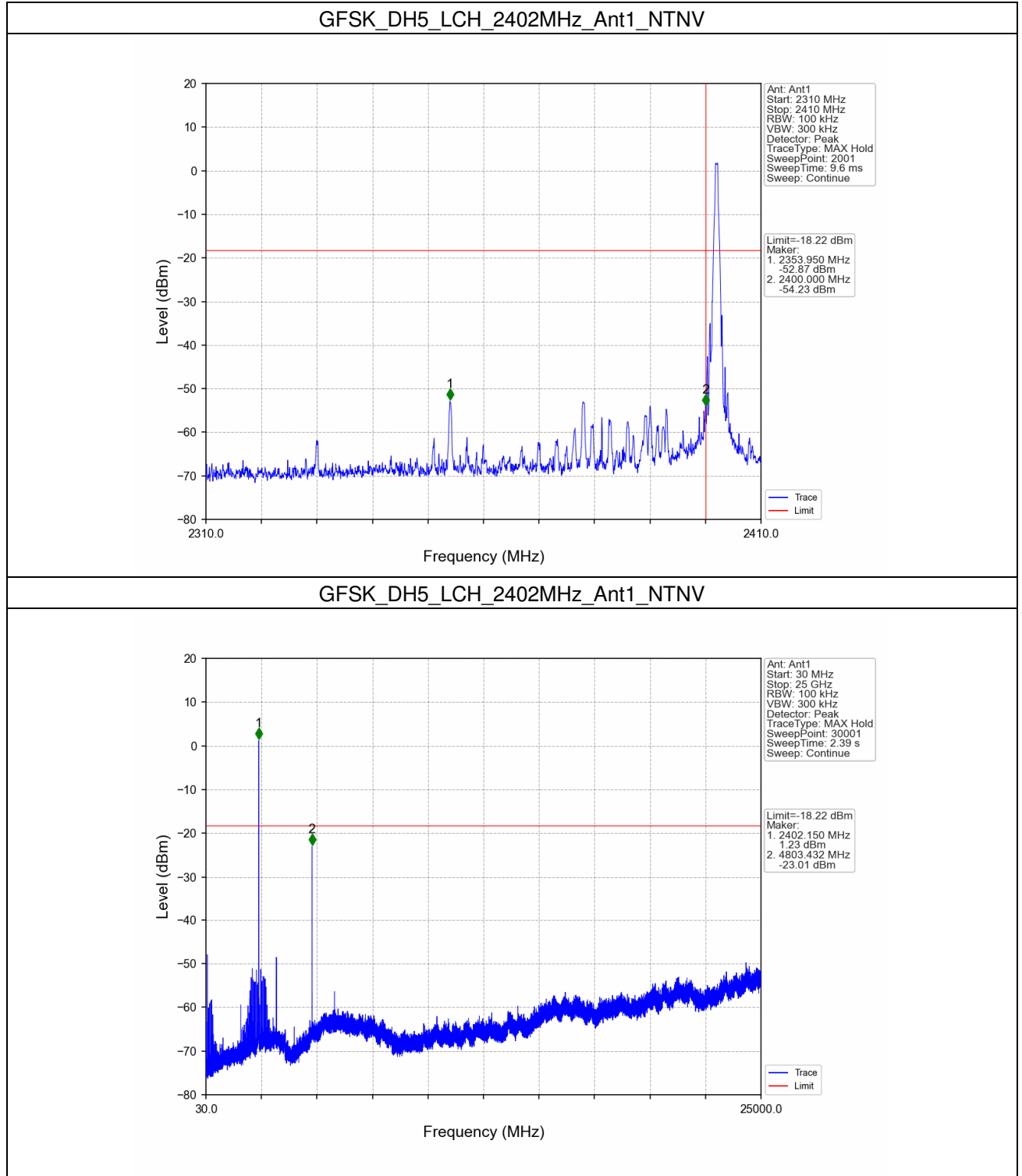
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



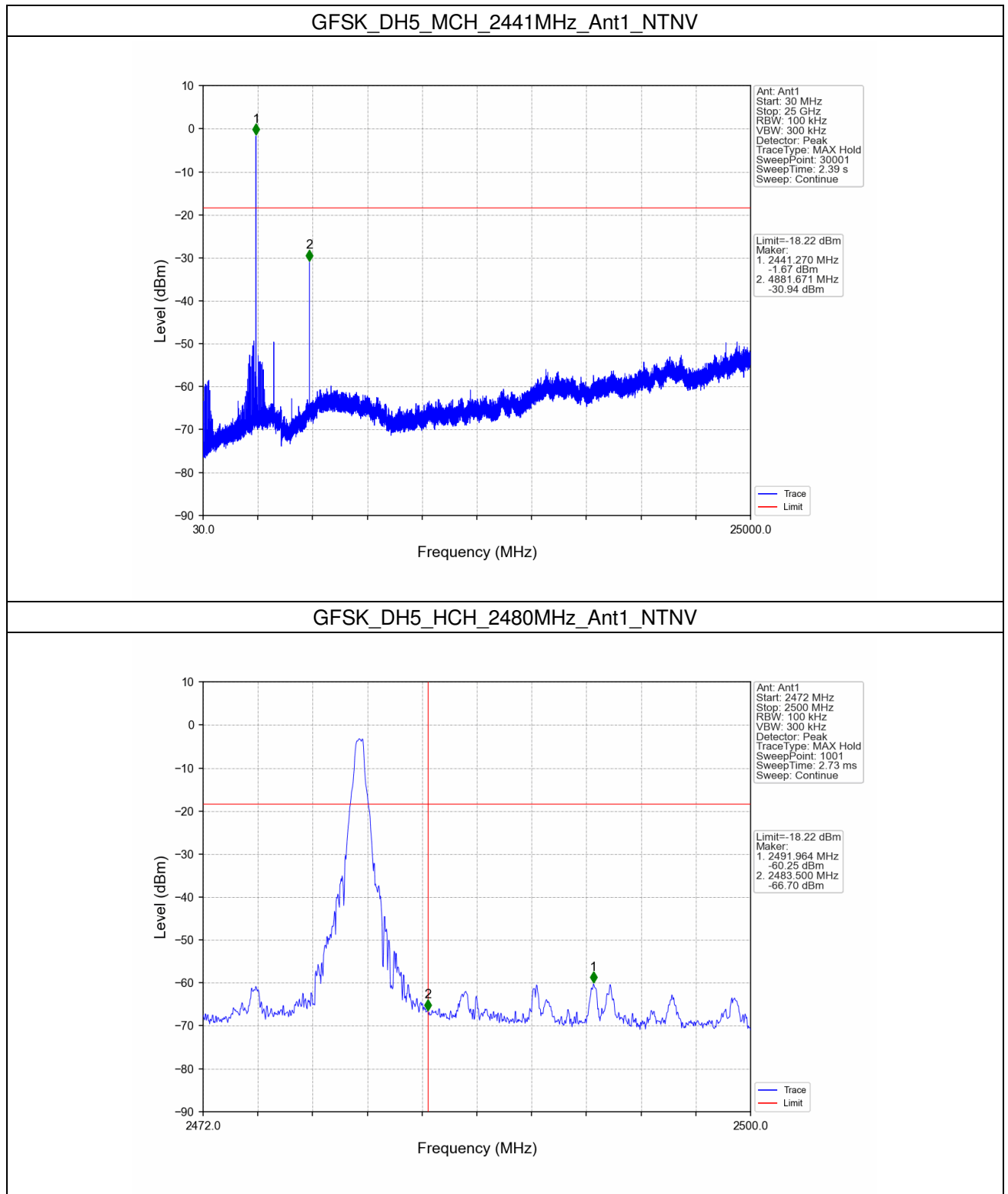
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6.2.2 Test Graph

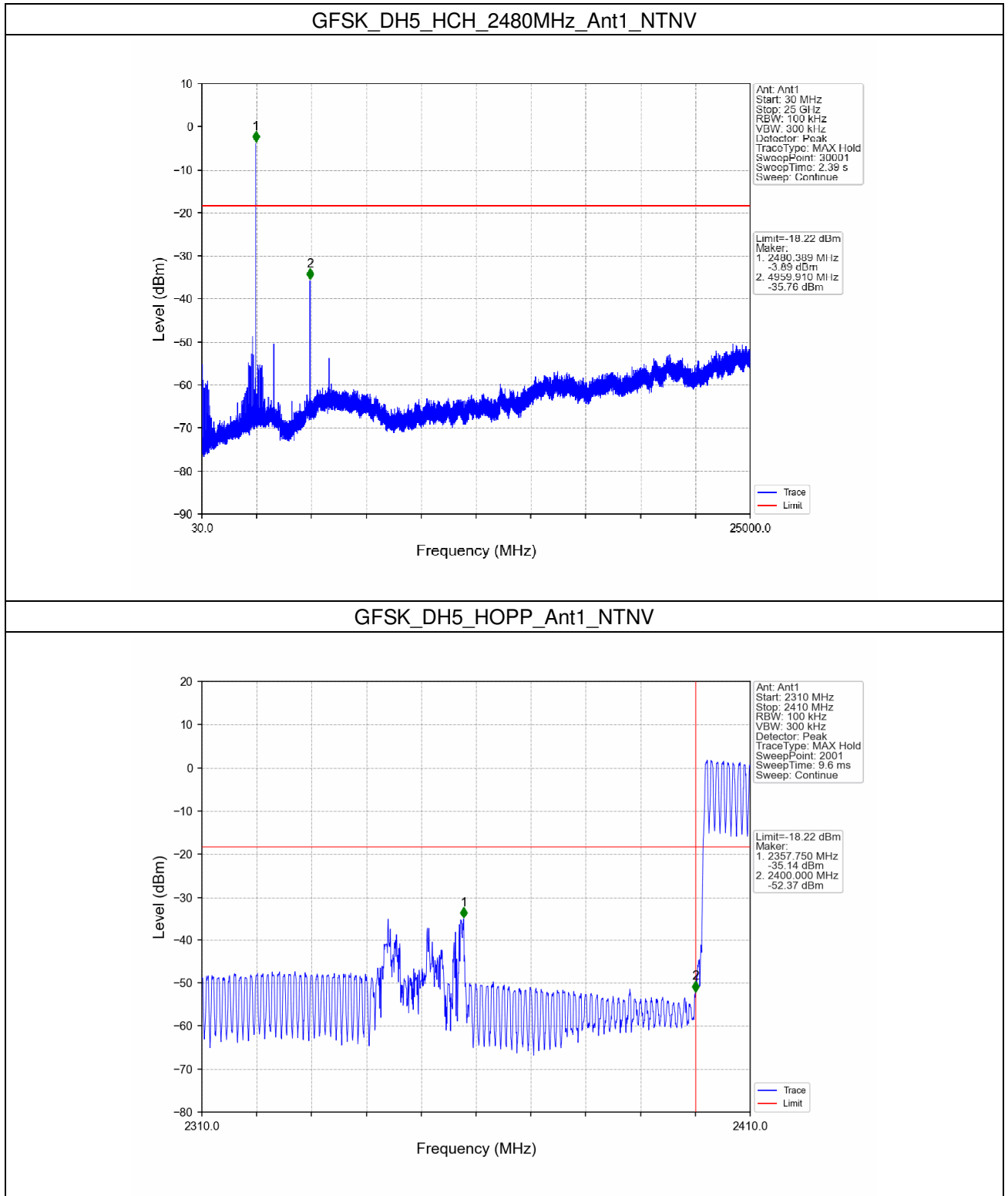


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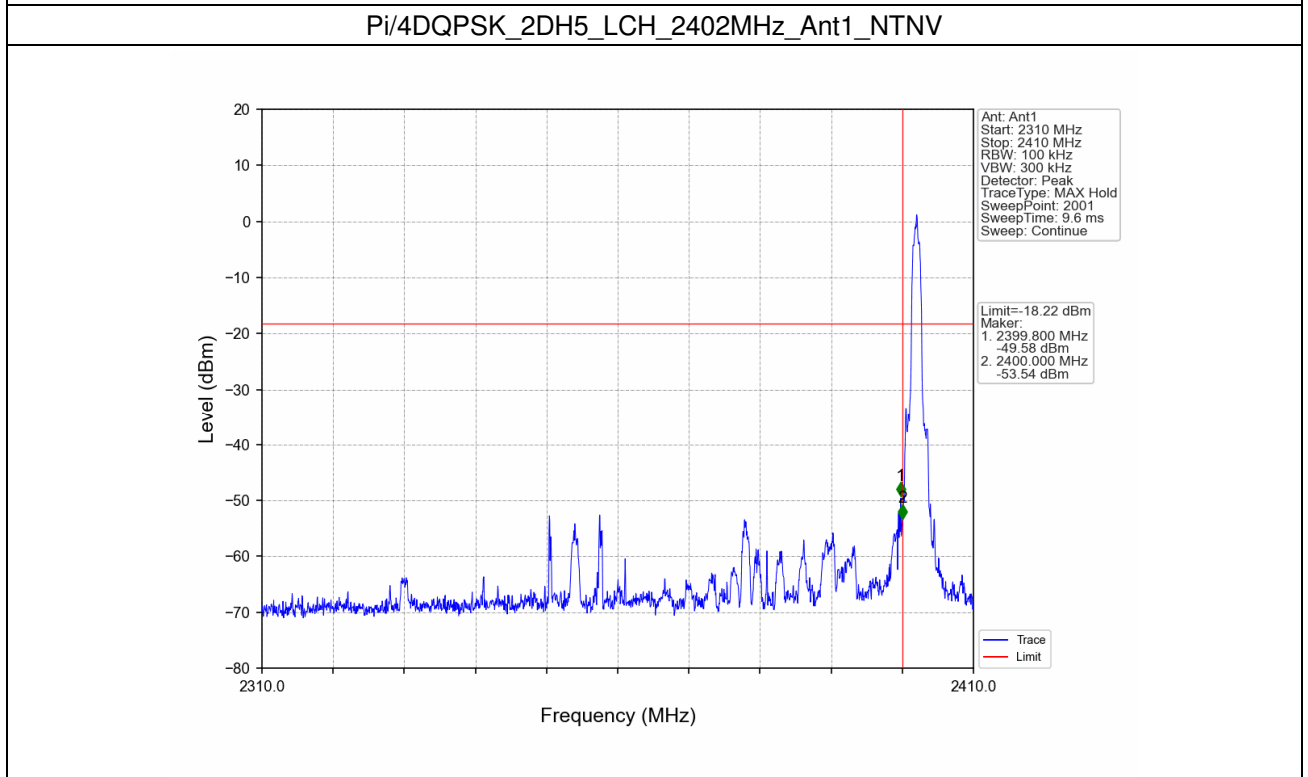
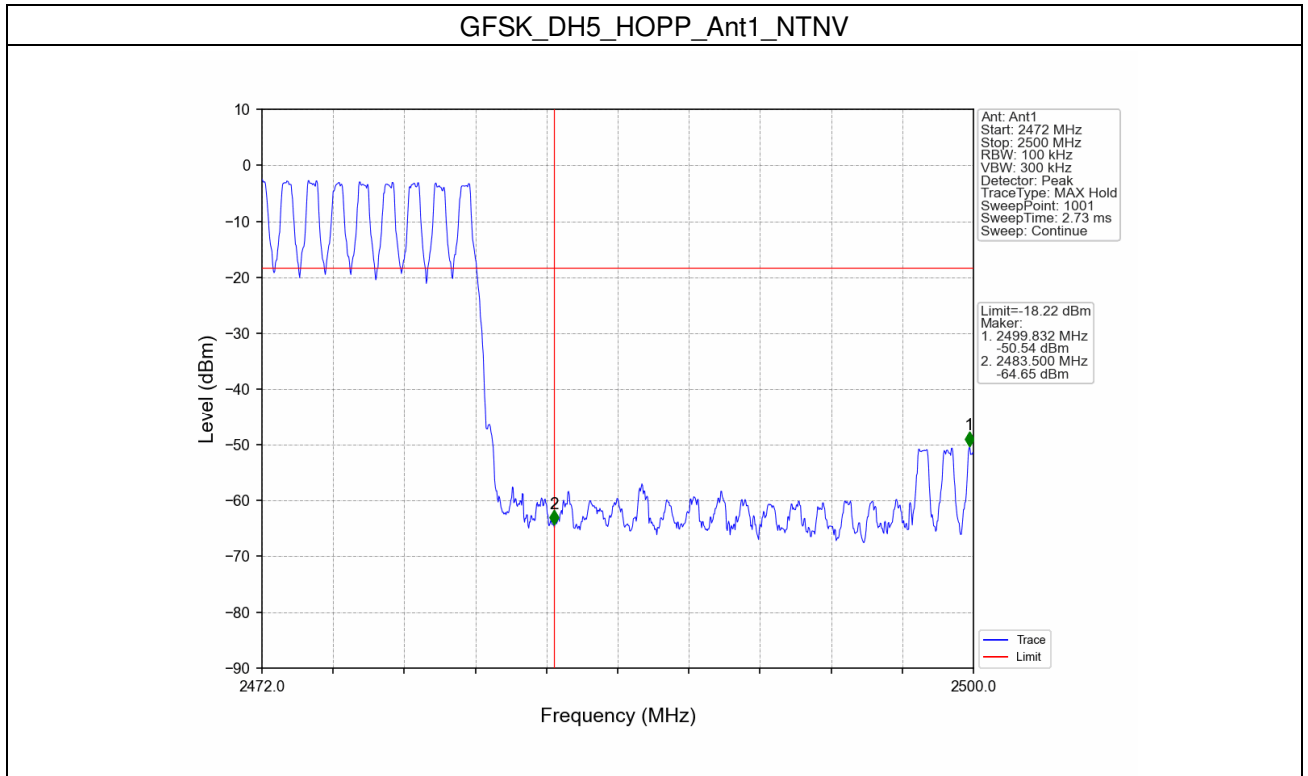
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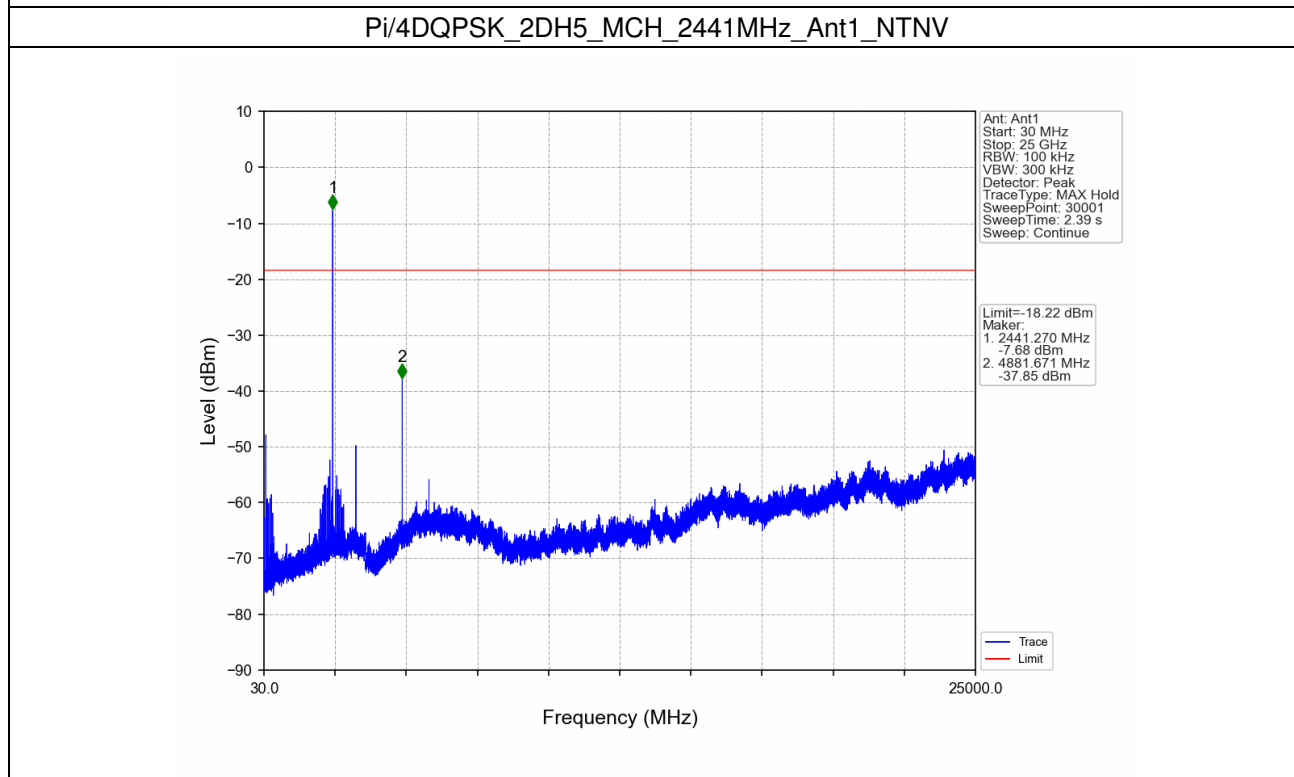
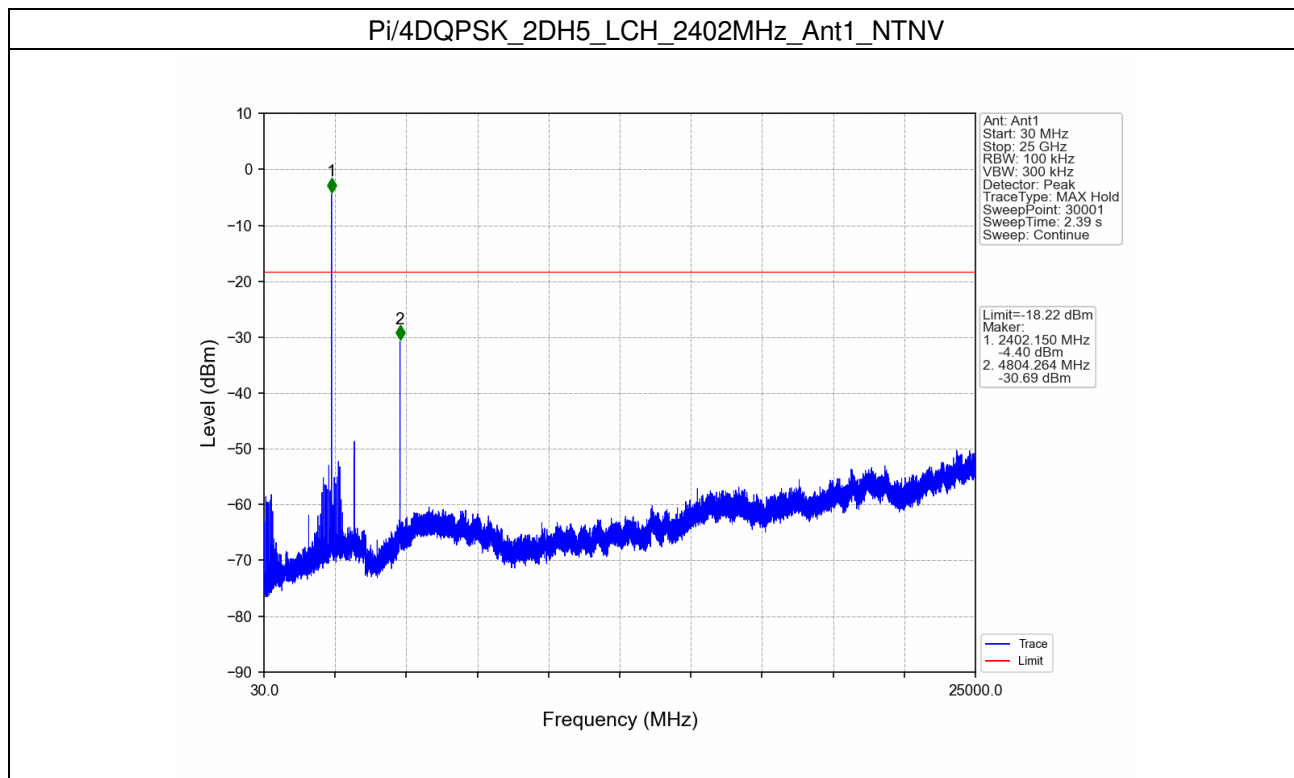
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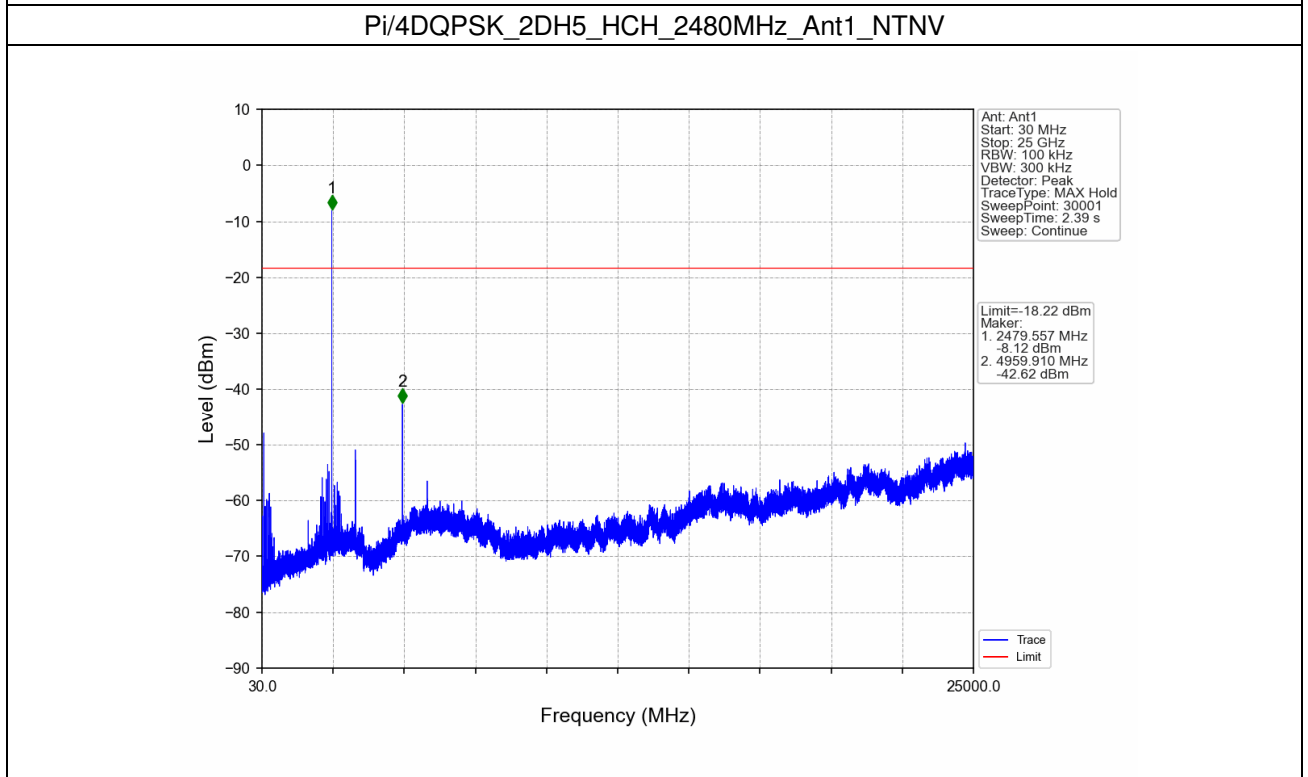
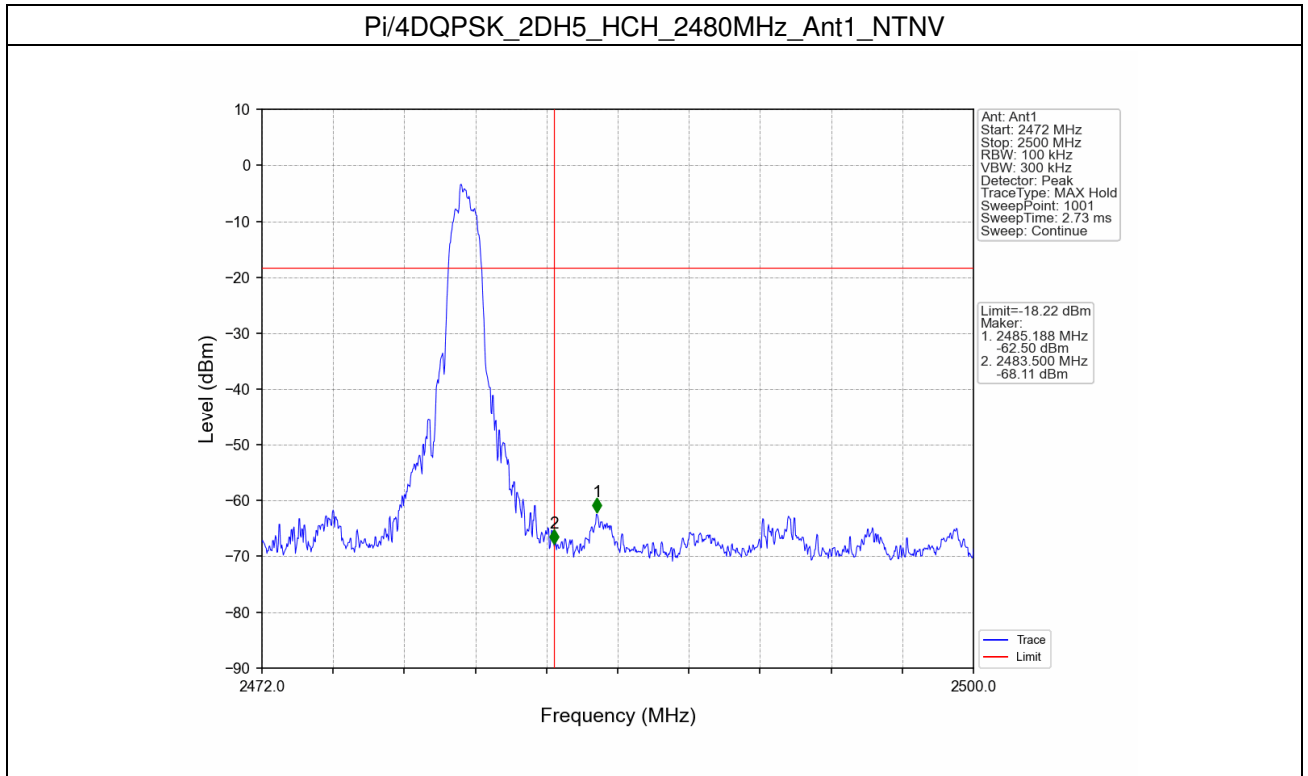
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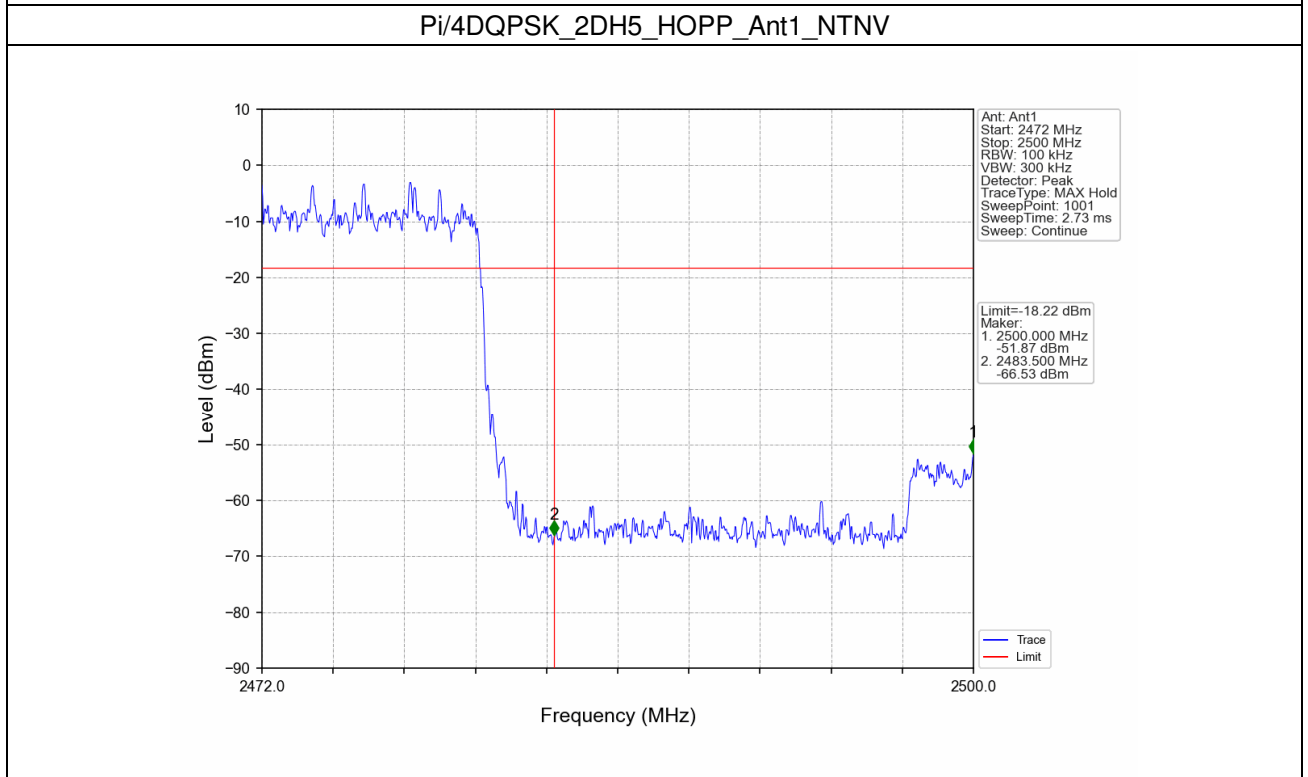
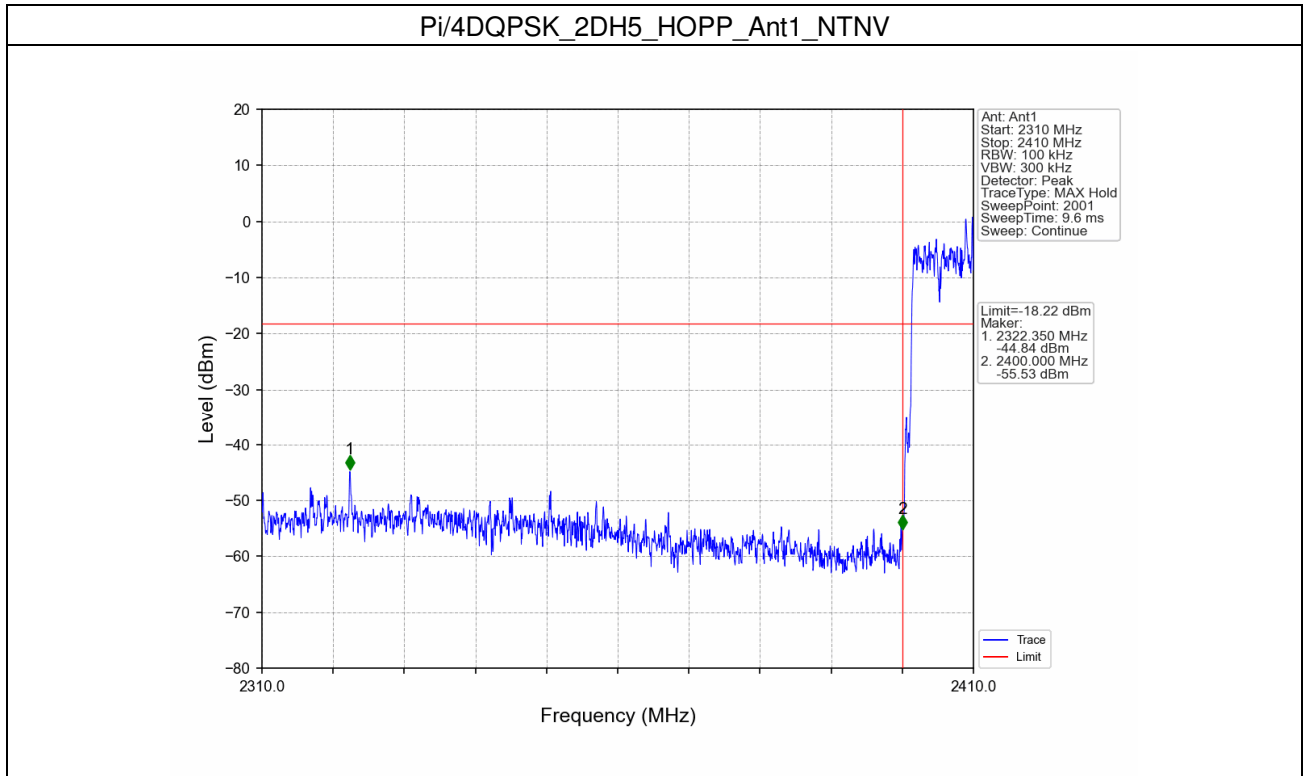


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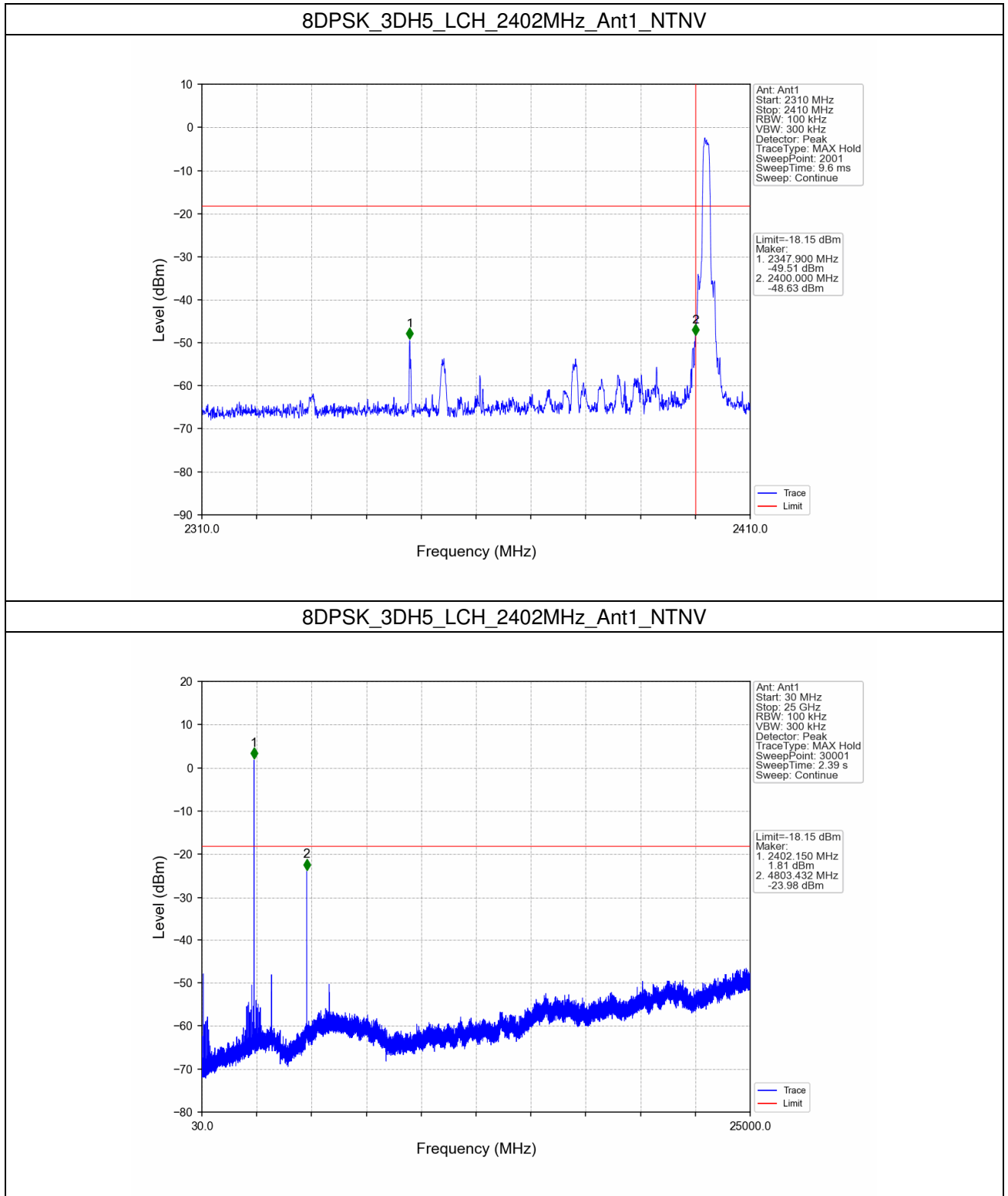
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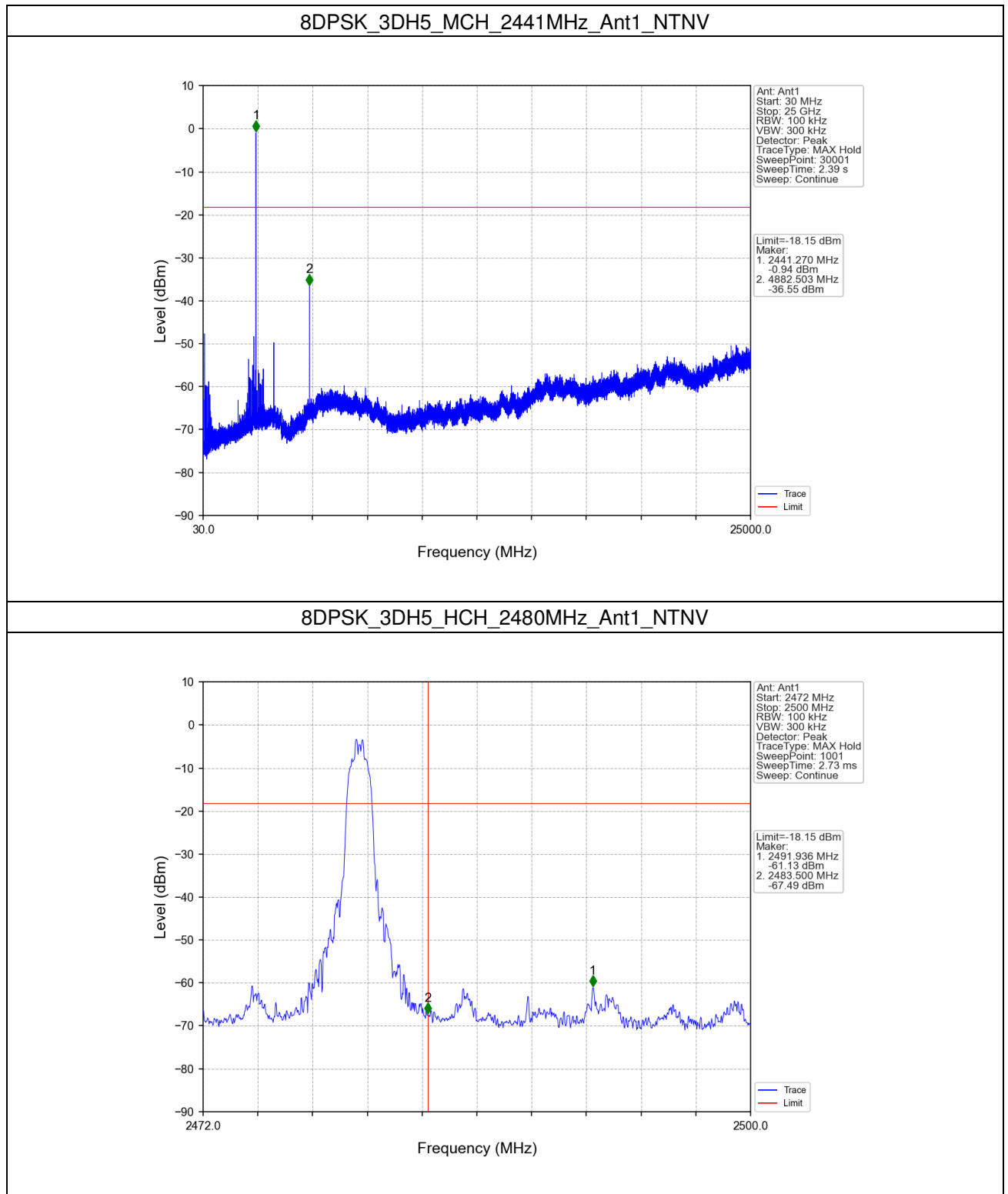
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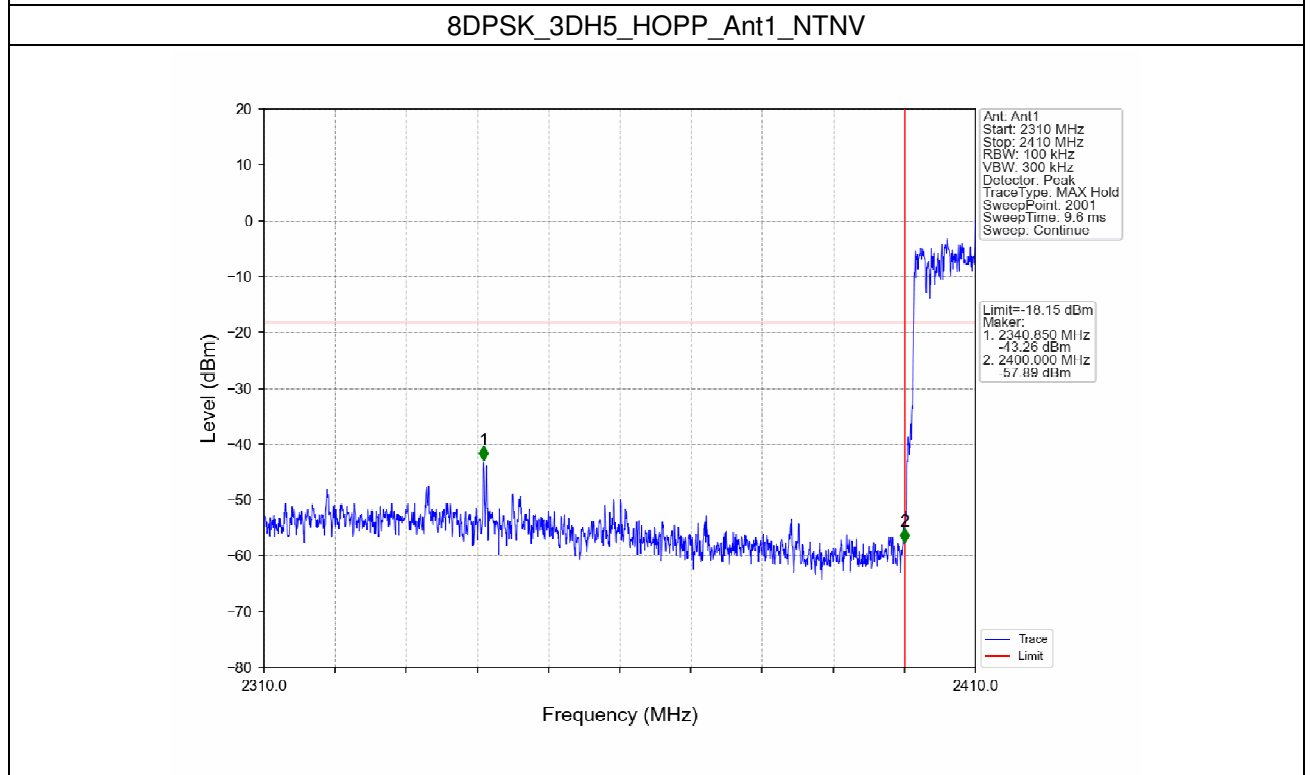
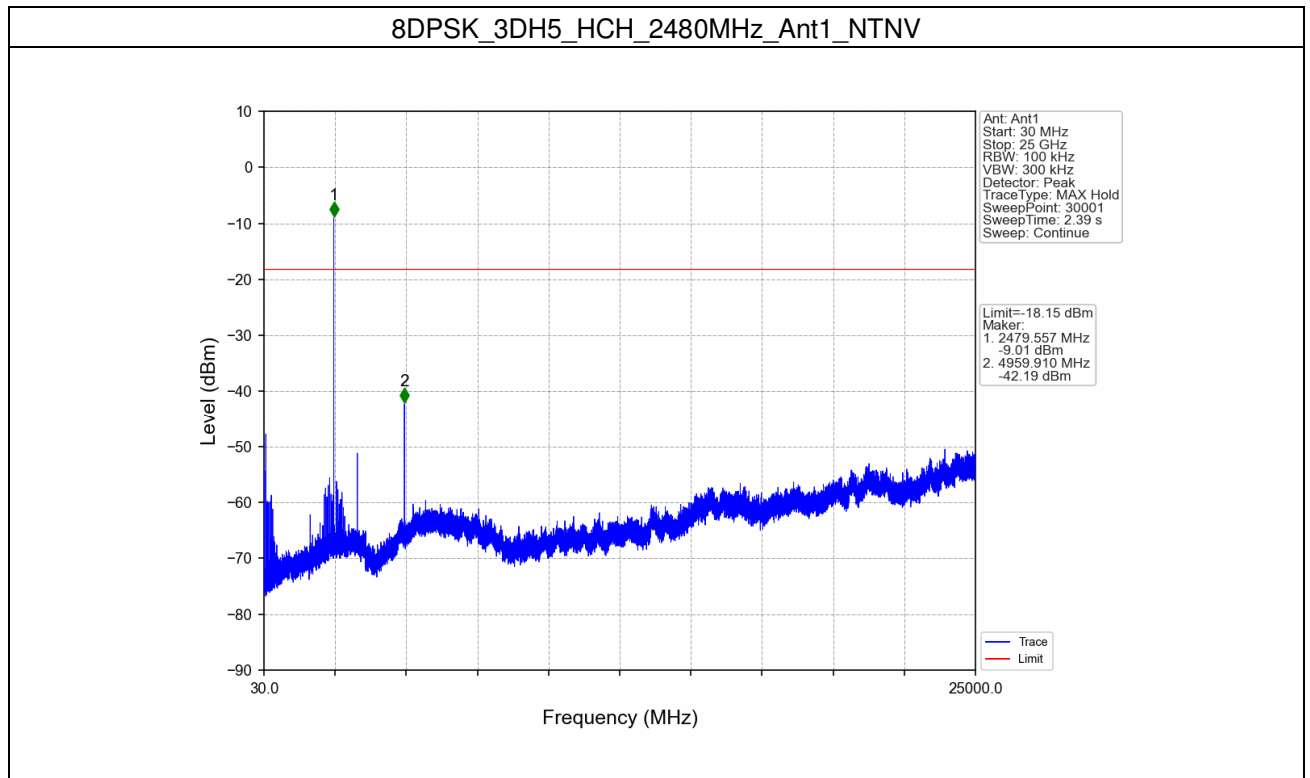
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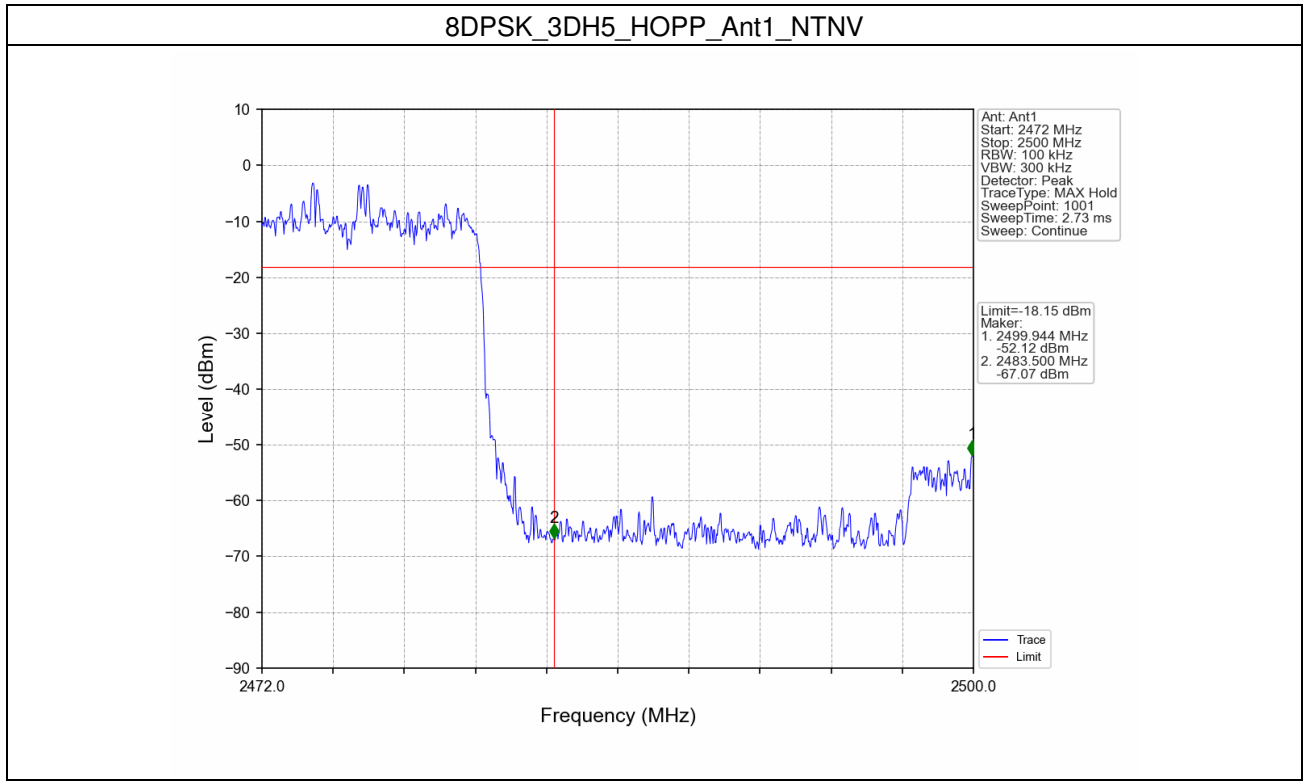
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