



Annex for Bluetooth

Test Report No.: CTL2505138011-WF01

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FCCID: 2BCMY-LINCSTATIONE1

1. 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	2	0.743	/	Pass
		2441	DH5	2	0.749	/	Pass
		2480	DH5	2	0.745	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	2	1.185	/	Pass
		2441	2DH5	2	1.177	/	Pass
		2480	2DH5	2	1.176	/	Pass
8DPSK	SISO	2402	3DH5	2	1.183	/	Pass
		2441	3DH5	2	1.186	/	Pass
		2480	3DH5	2	1.183	/	Pass

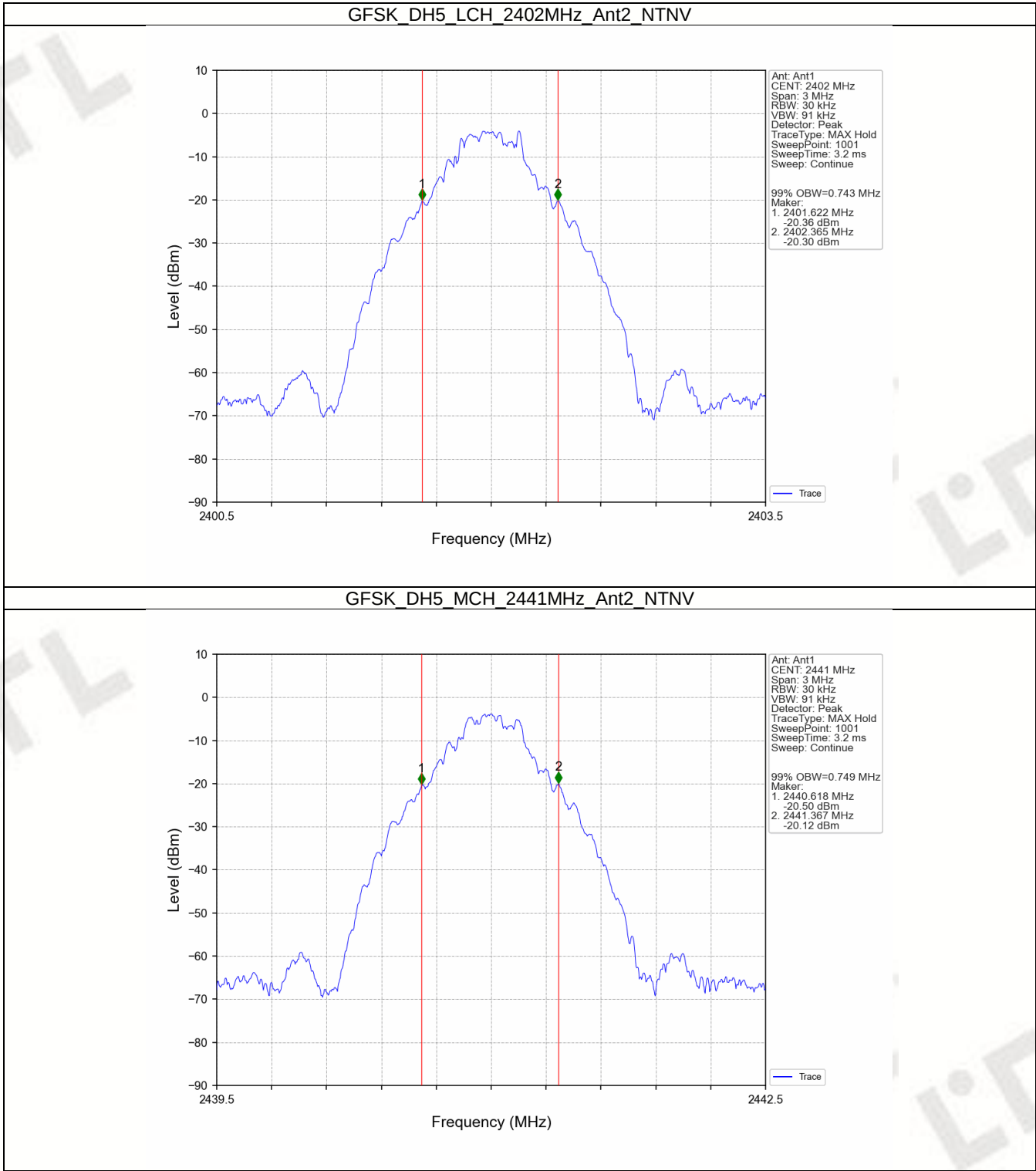
1.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	2	0.816	/	Pass
		2441	DH5	2	0.816	/	Pass
		2480	DH5	2	0.843	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	2	1.324	/	Pass
		2441	2DH5	2	1.327	/	Pass
		2480	2DH5	2	1.325	/	Pass
8DPSK	SISO	2402	3DH5	2	1.316	/	Pass
		2441	3DH5	2	1.311	/	Pass
		2480	3DH5	2	1.321	/	Pass

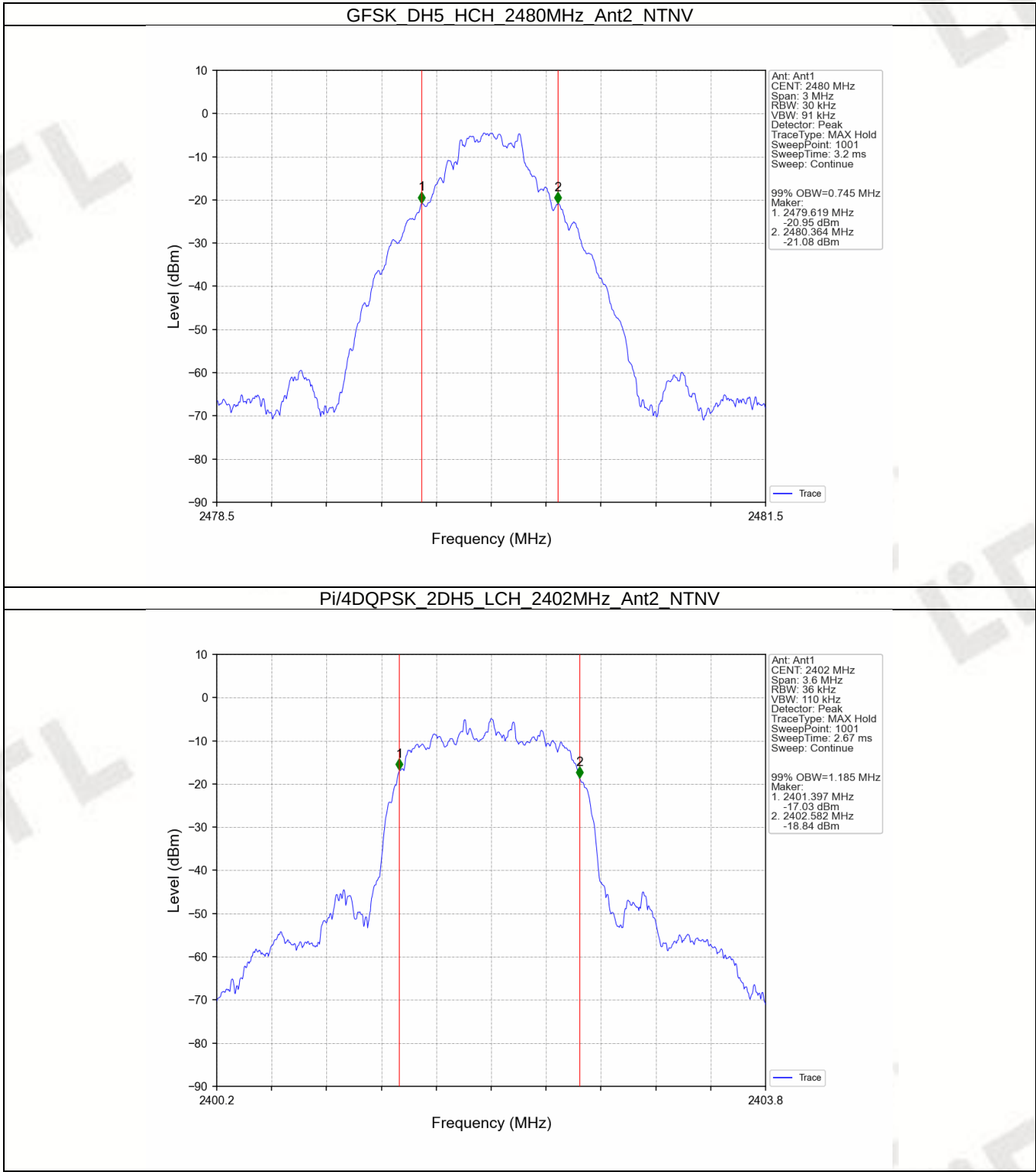
FCCID: 2BCMY-LINCSTATIONE1

1.2 Test Graph

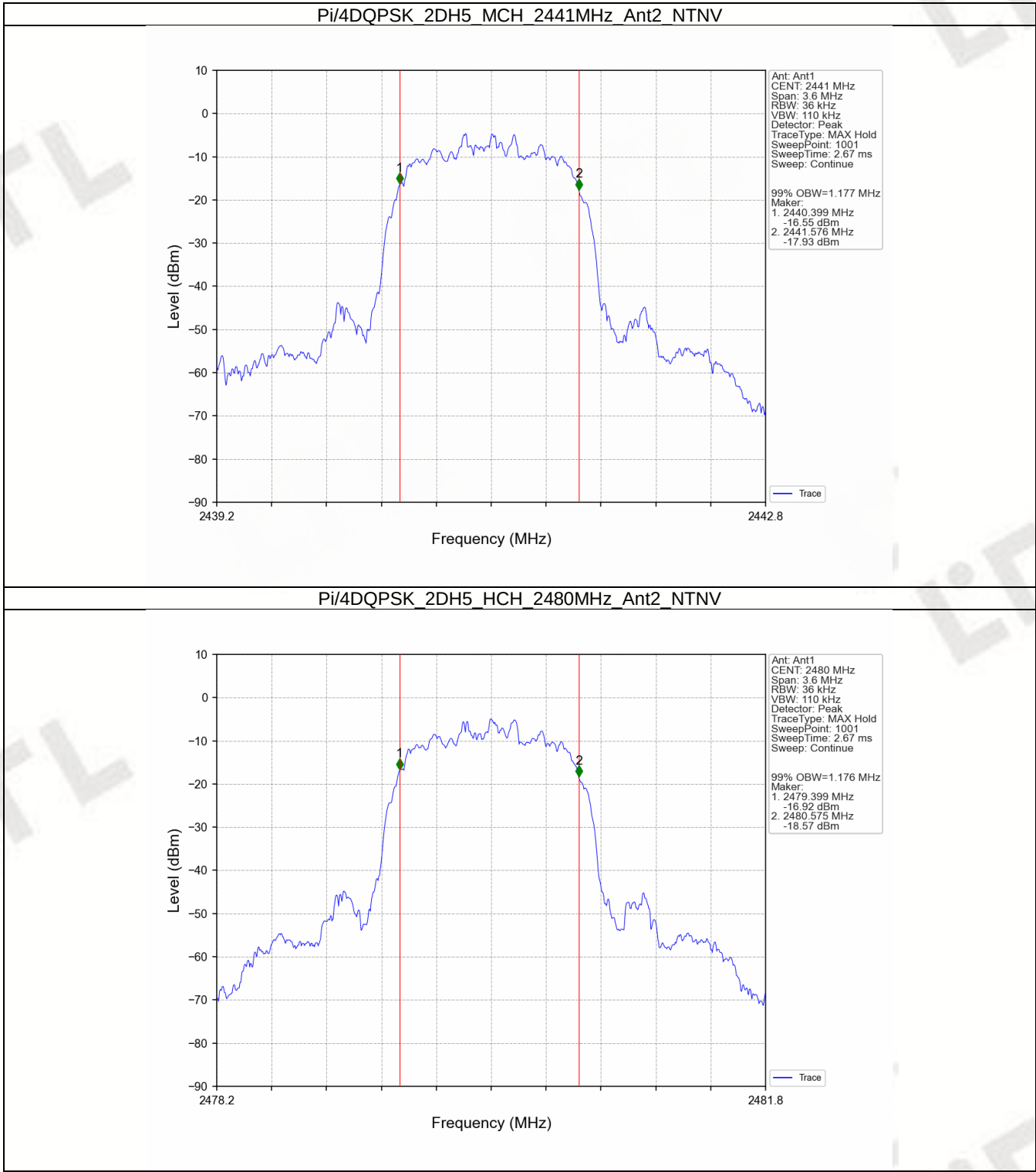
1.2.1 OBW



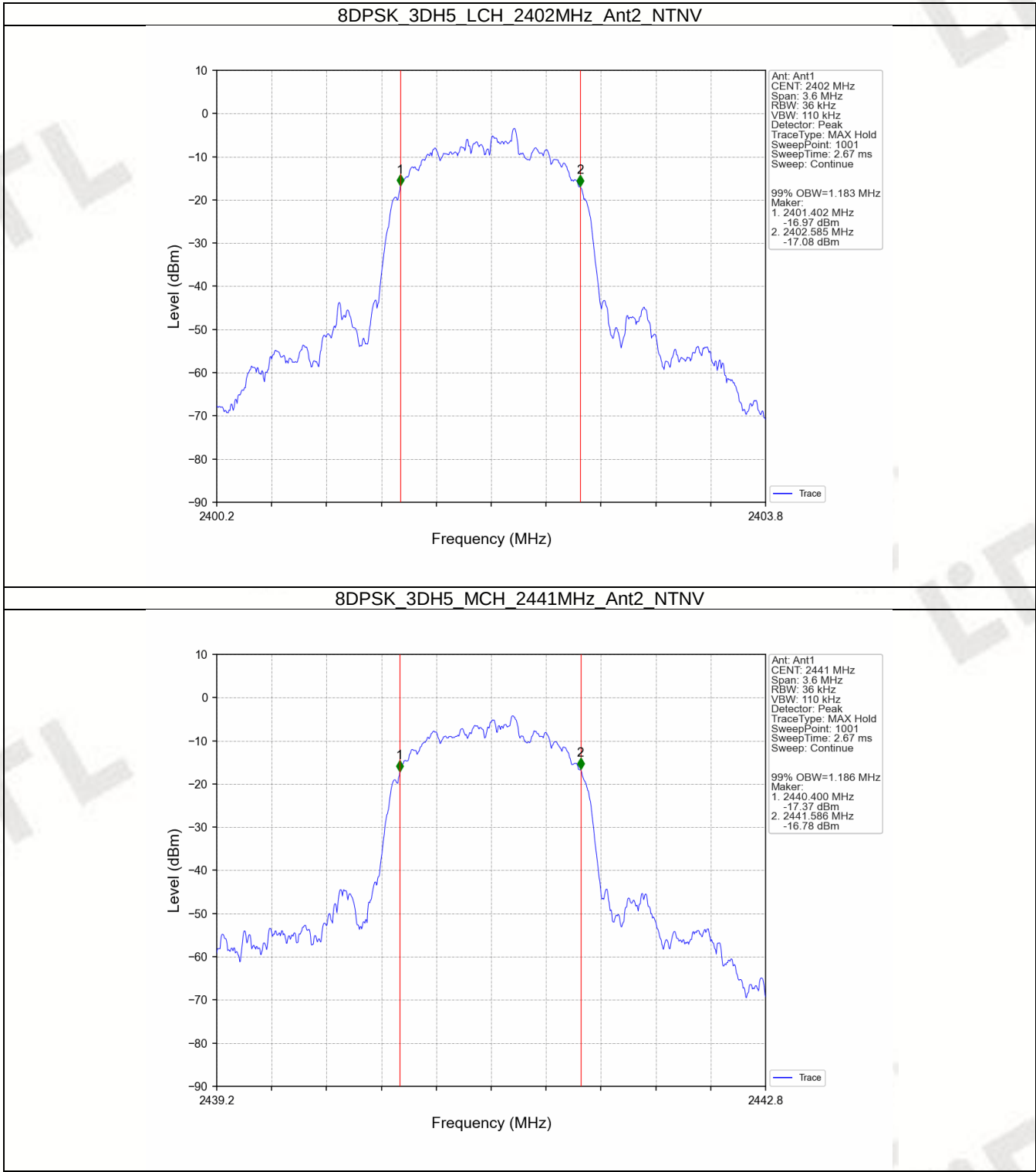
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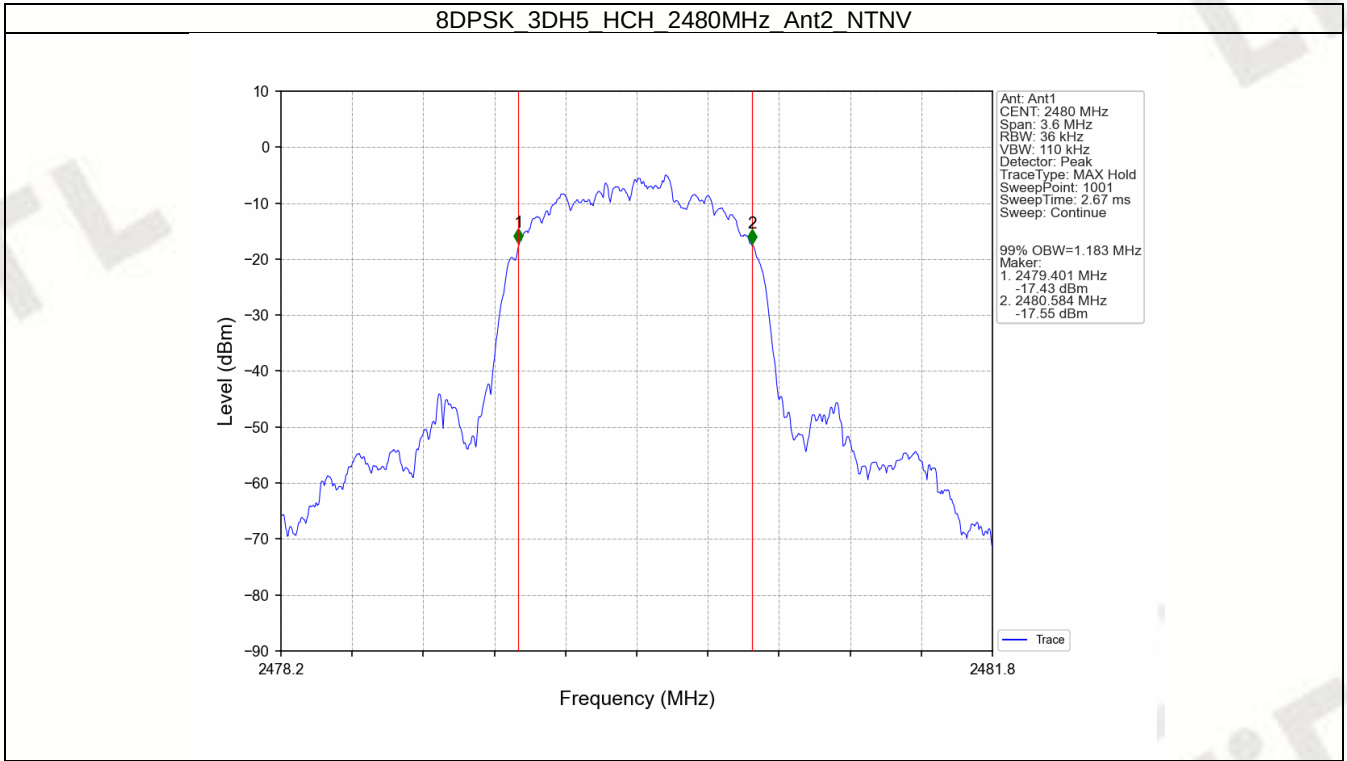
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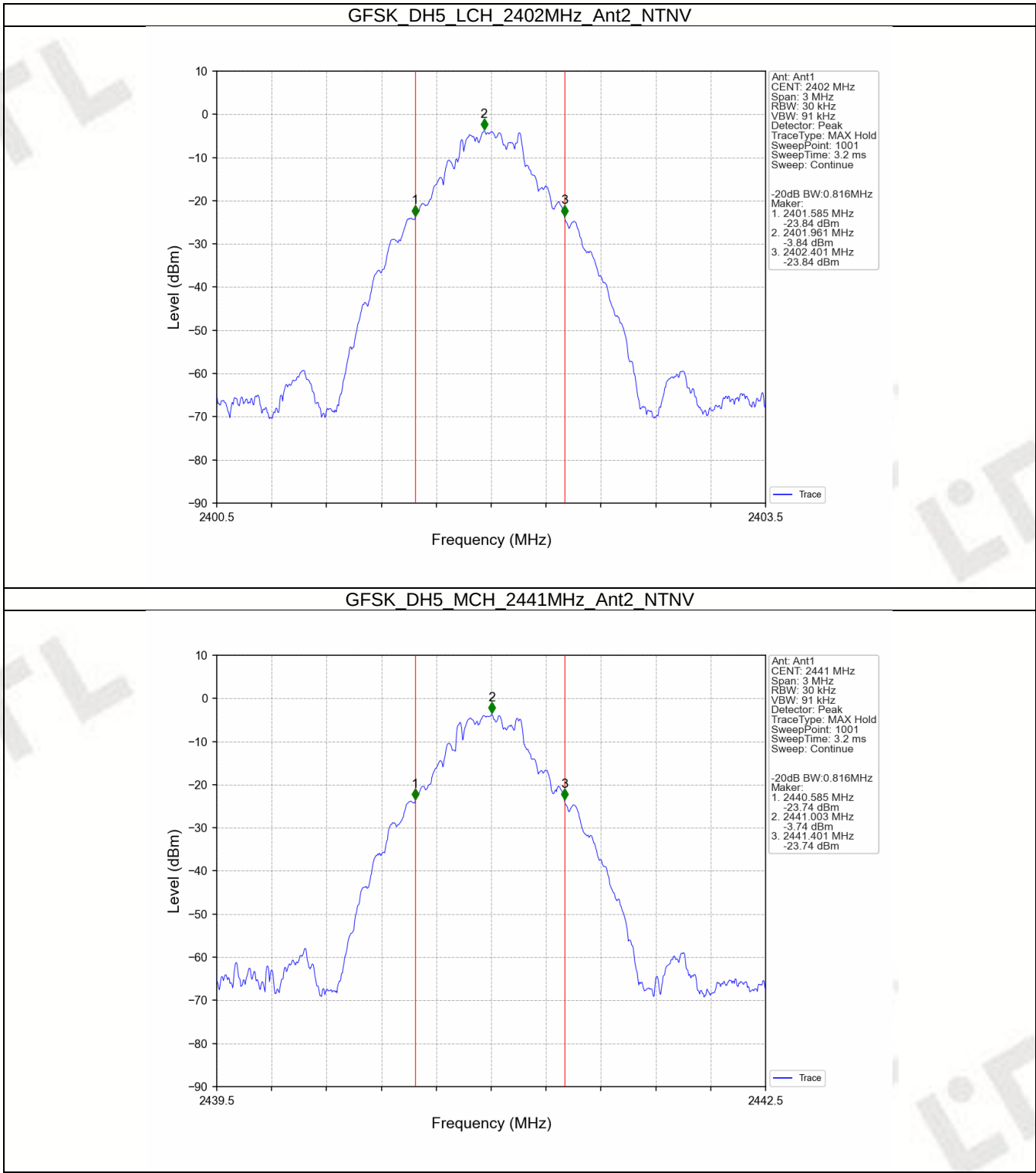


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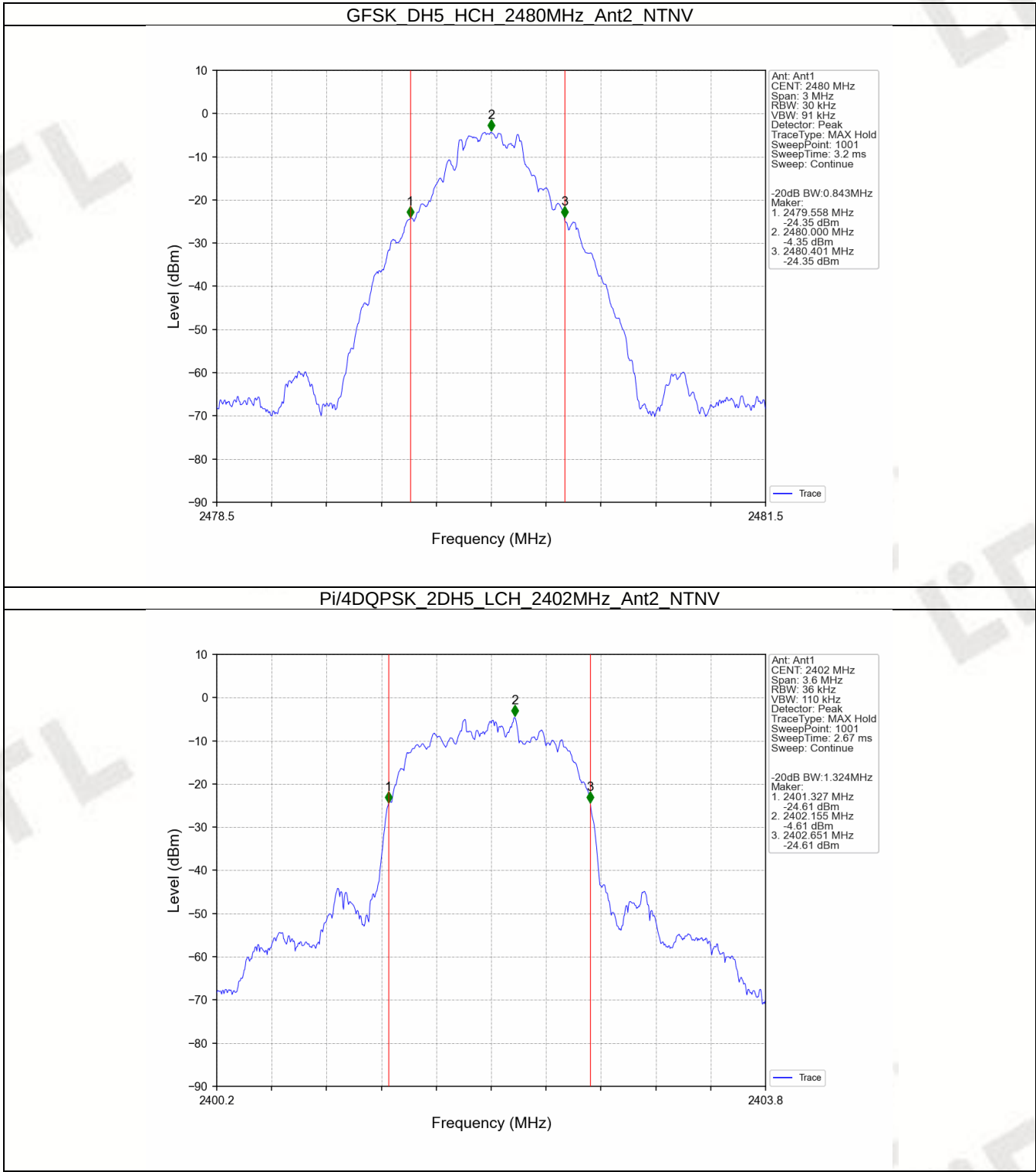


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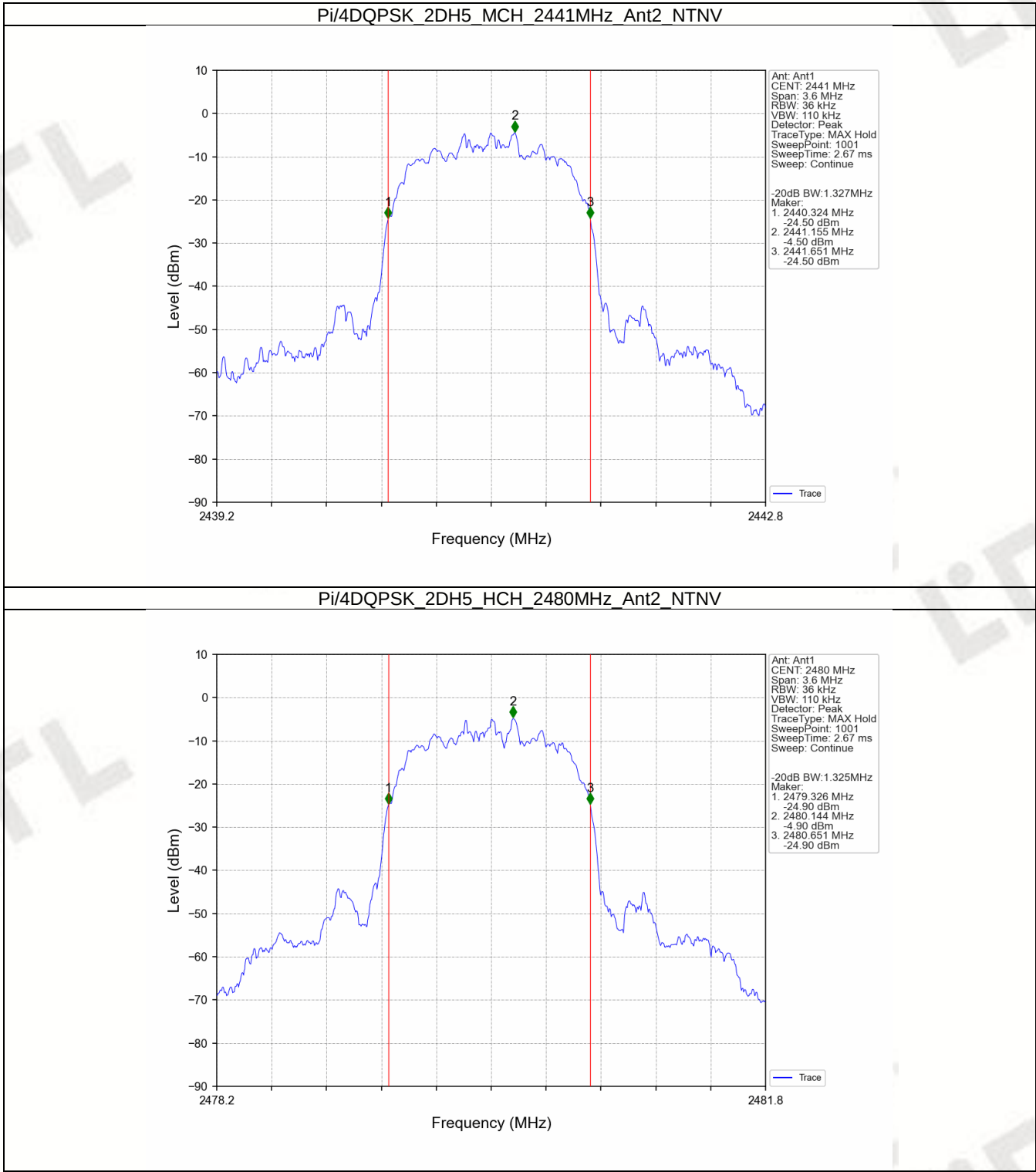
1.2.2 20dB BW



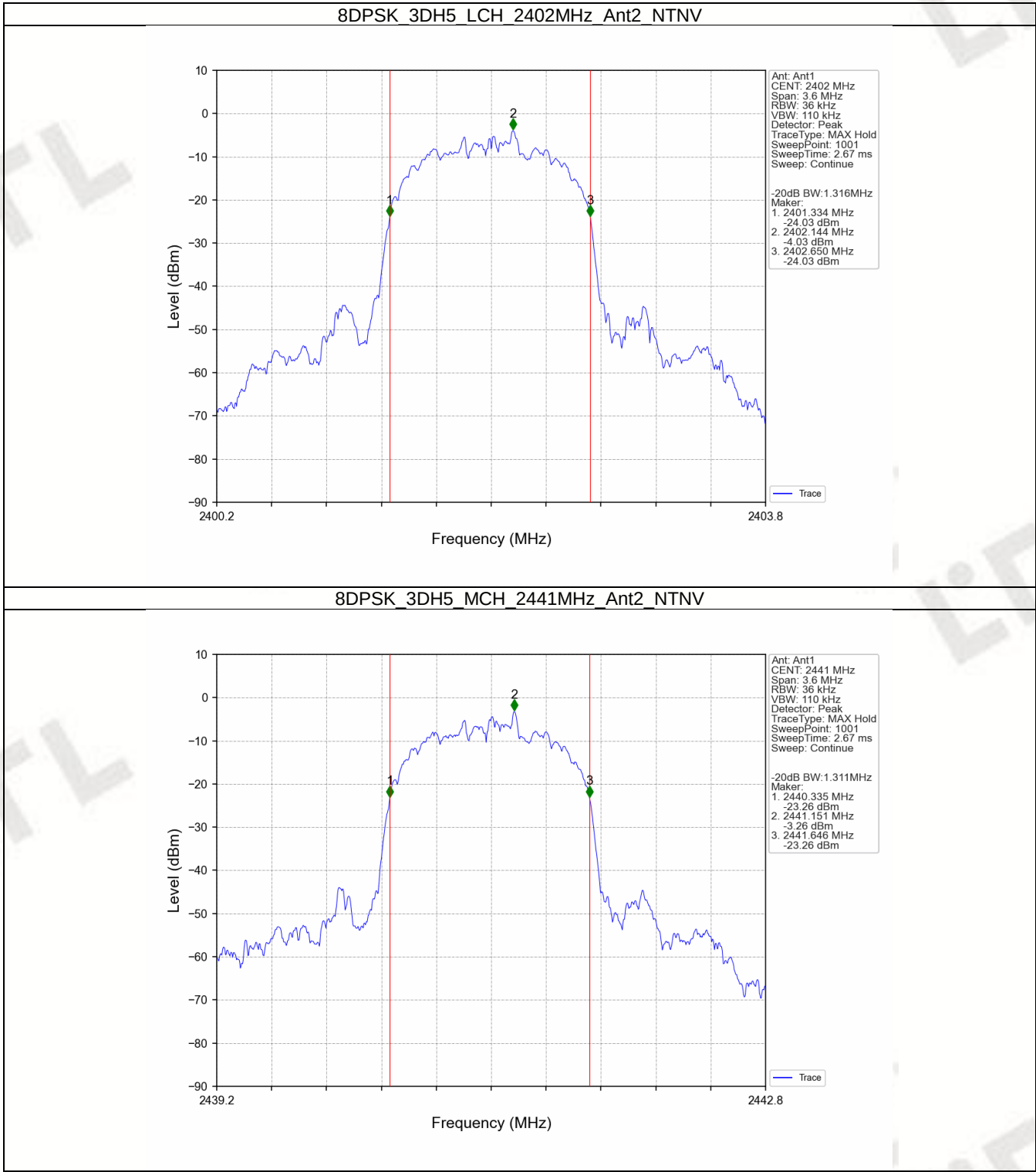
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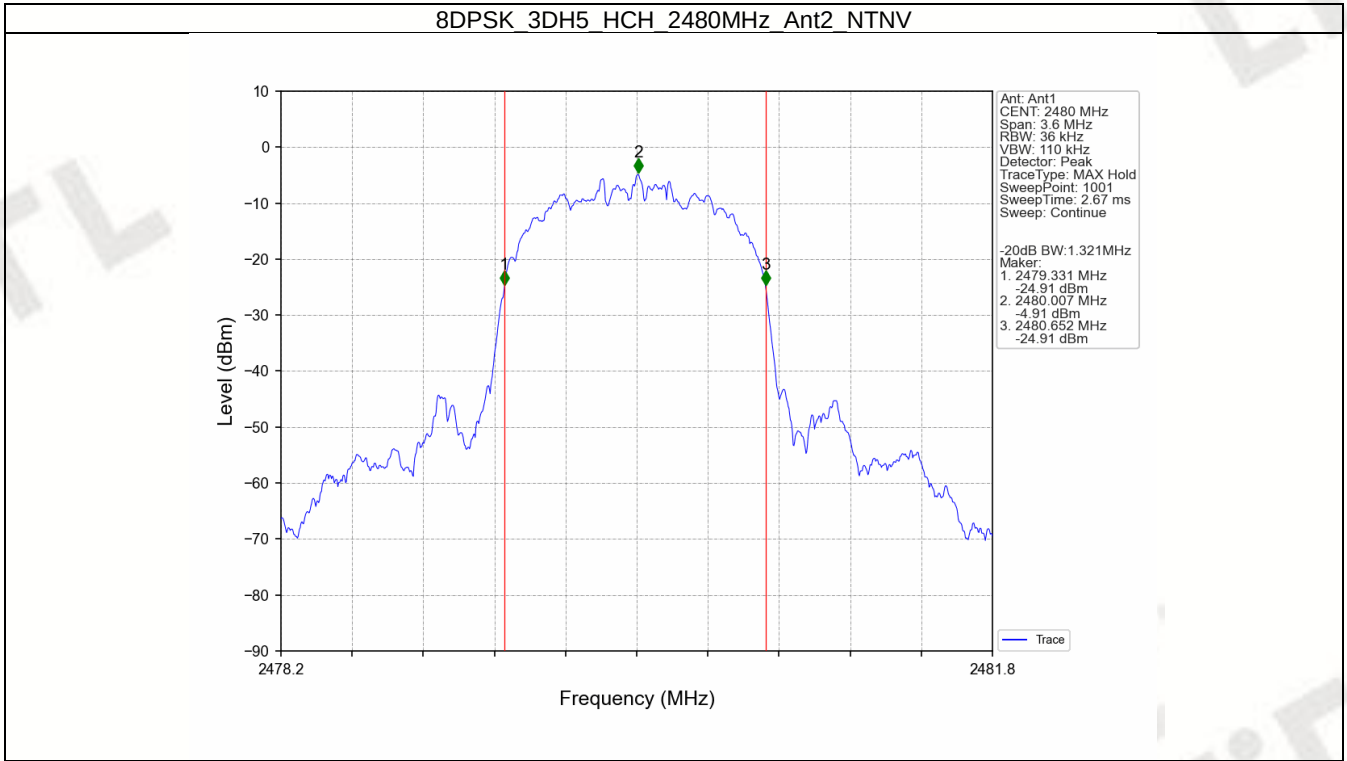
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FCCID: 2BCMY-LINCSTATIONE1



FCCID: 2BCMY-LINCSTATIONE1

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
				ANT2	Limit	
GFSK	SISO	2402	DH5	-0.75	≤ 30	Pass
		2441	DH5	-0.03	≤ 30	Pass
		2480	DH5	-0.17	≤ 30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-2.14	≤ 20.97	Pass
		2441	2DH5	-1.27	≤ 20.97	Pass
		2480	2DH5	-1.38	≤ 20.97	Pass
8DPSK	SISO	2402	3DH5	-1.49	≤ 20.97	Pass
		2441	3DH5	-0.77	≤ 20.97	Pass
		2480	3DH5	-0.91	≤ 20.97	Pass

Note1: Antenna Gain: Ant2: 3.34dBi;

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3. Carrier Frequency Separation

3.1 Test Result

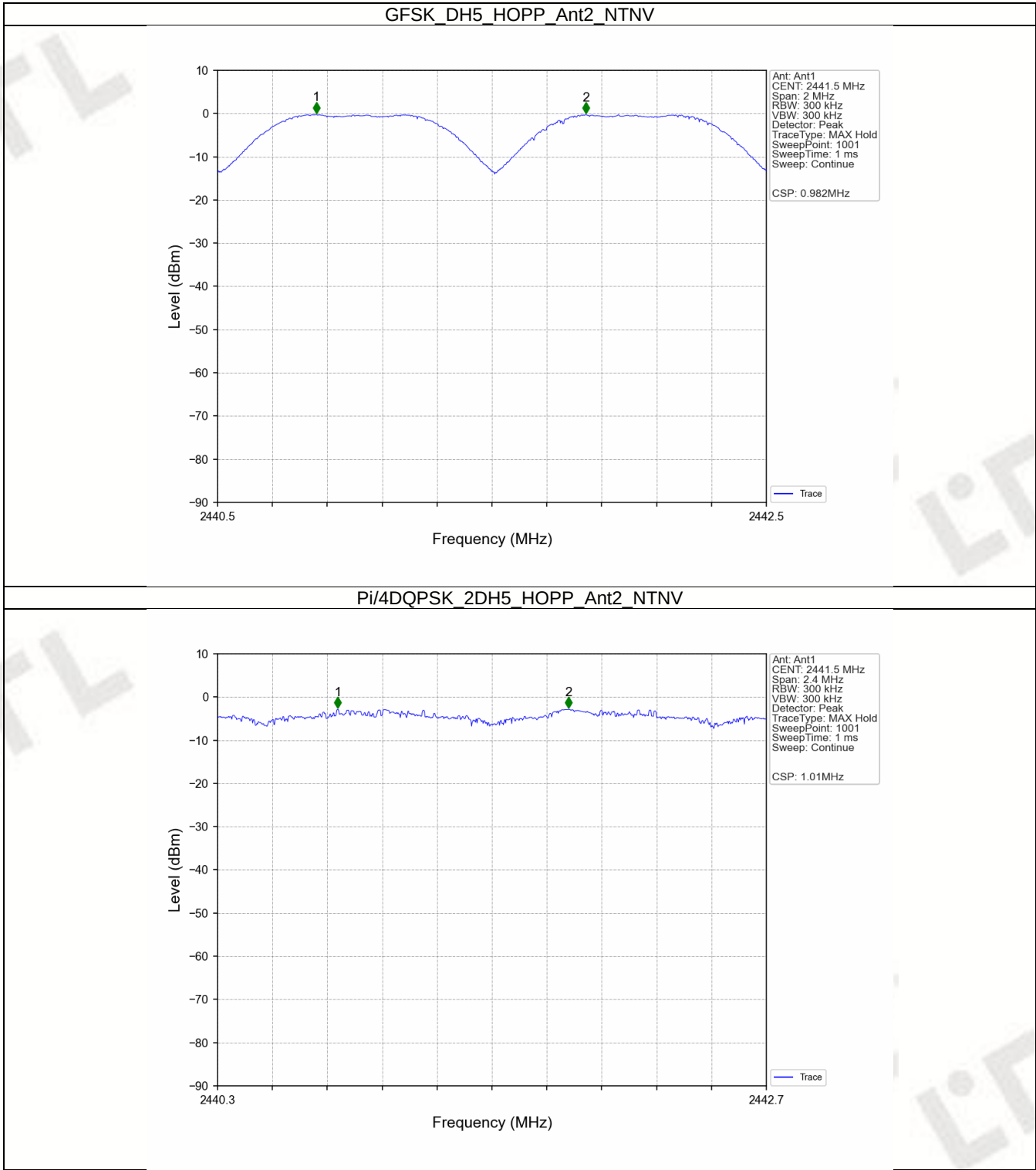
3.1.1 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.982	0.961	≥ 0.961	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.010	1.280	≥ 0.853	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.303	≥ 0.869	Pass

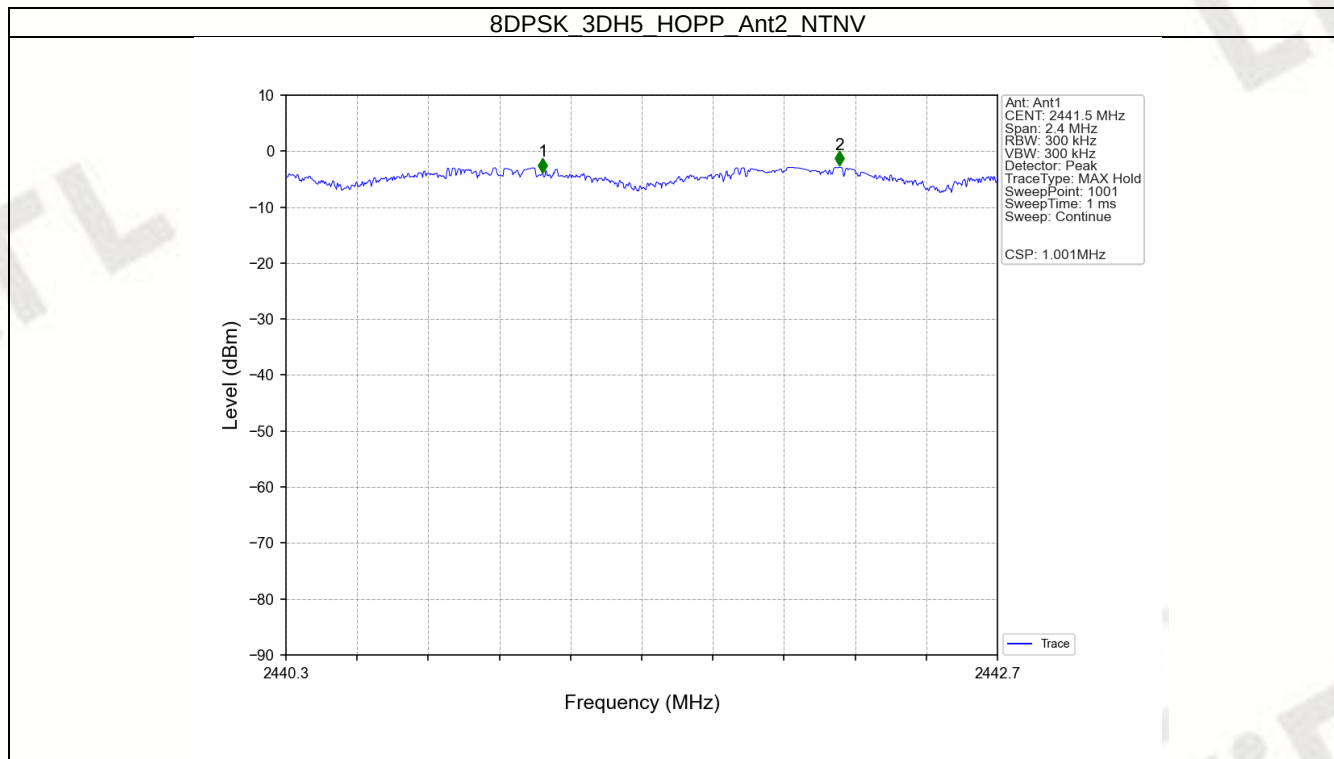
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3.2 Test Graph

3.2.1 Ant2



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FCCID: 2BCMY-LINCSTATIONE1

4. Number of Hopping Frequencies

4.1 Test Result

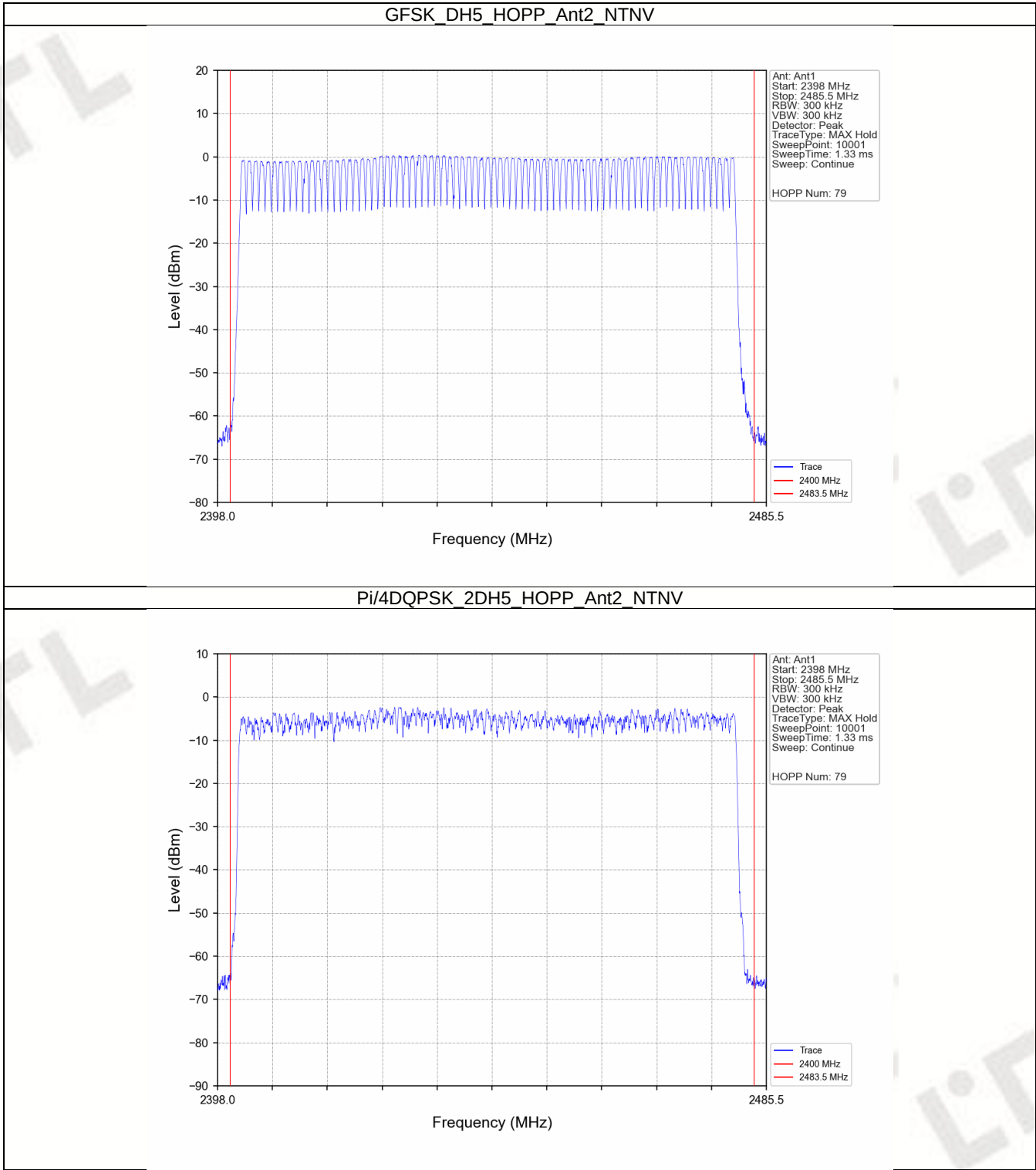
4.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT2	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

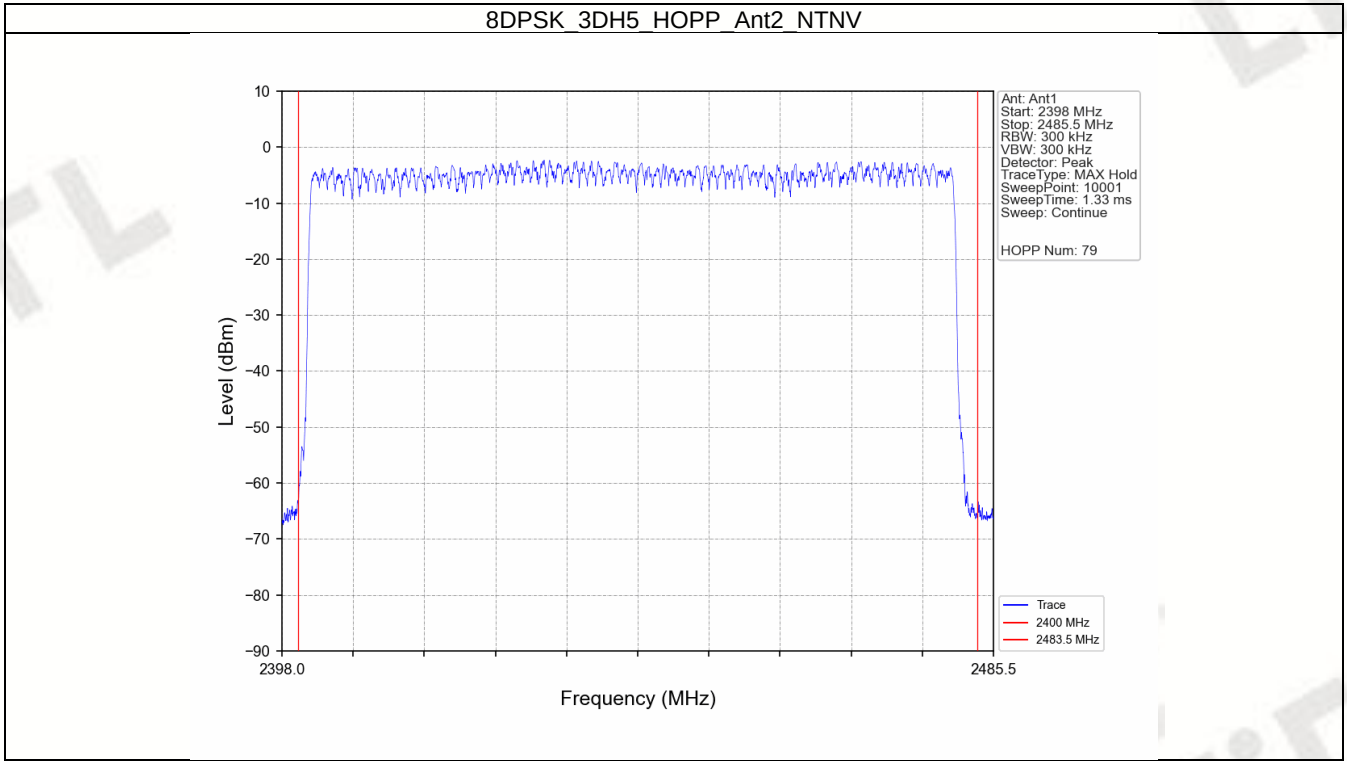
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4.2 Test Graph

4.2.1 HoppNum



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5. Time of Occupancy (Dwell Time)

5.1 Test Result

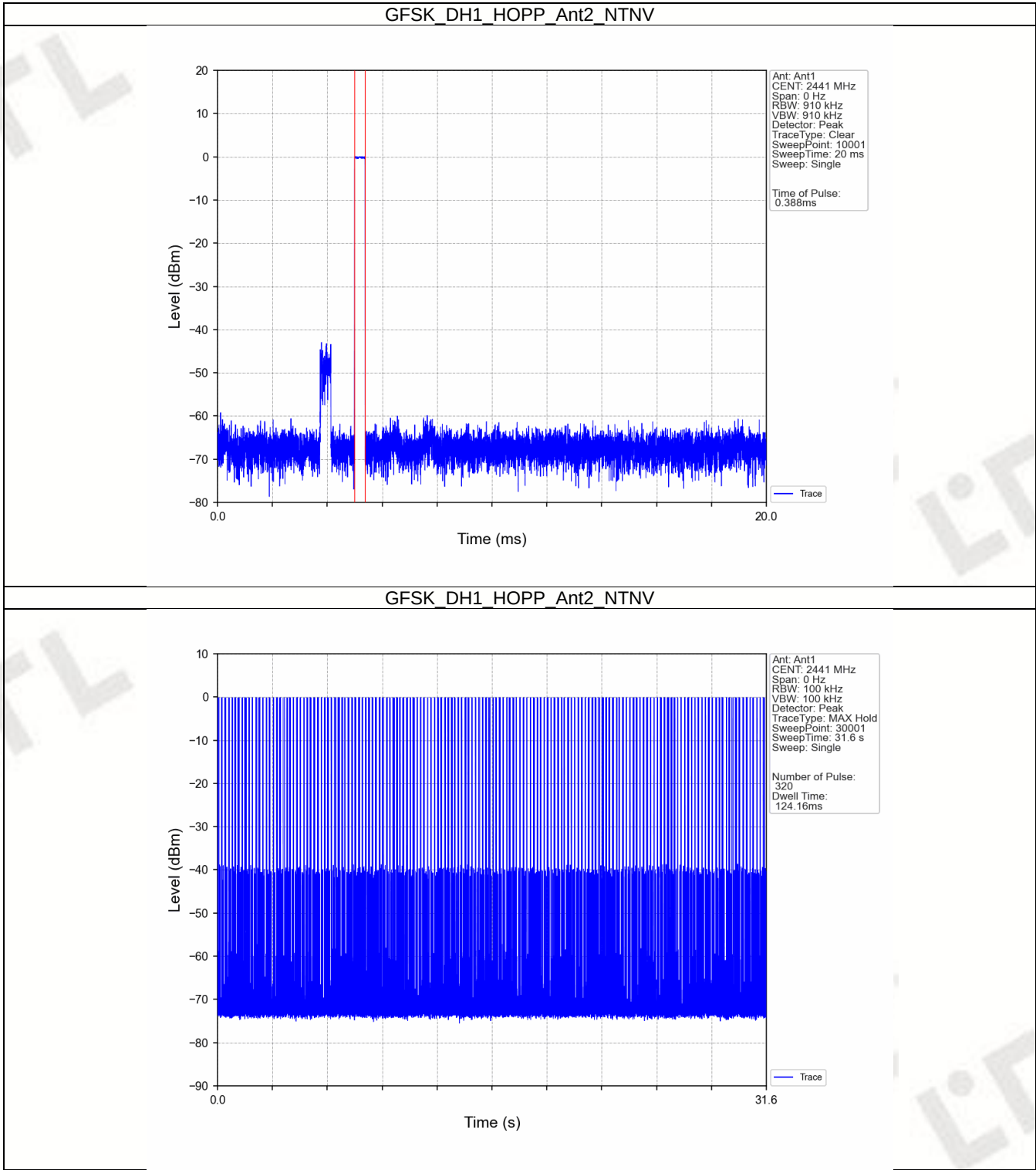
5.1.1 Ant2

Ant2									
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	0.388	31.600	320	124.160	<=400	Pass
			DH3	1.652	31.600	159	262.668	<=400	Pass
			DH5	2.900	31.600	106	307.400	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.396	31.600	320	126.720	<=400	Pass
			2DH3	1.656	31.600	164	271.584	<=400	Pass
			2DH5	2.906	31.600	107	310.942	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.394	31.600	320	126.080	<=400	Pass
			3DH3	1.656	31.600	160	264.960	<=400	Pass
			3DH5	2.898	31.600	101	292.698	<=400	Pass

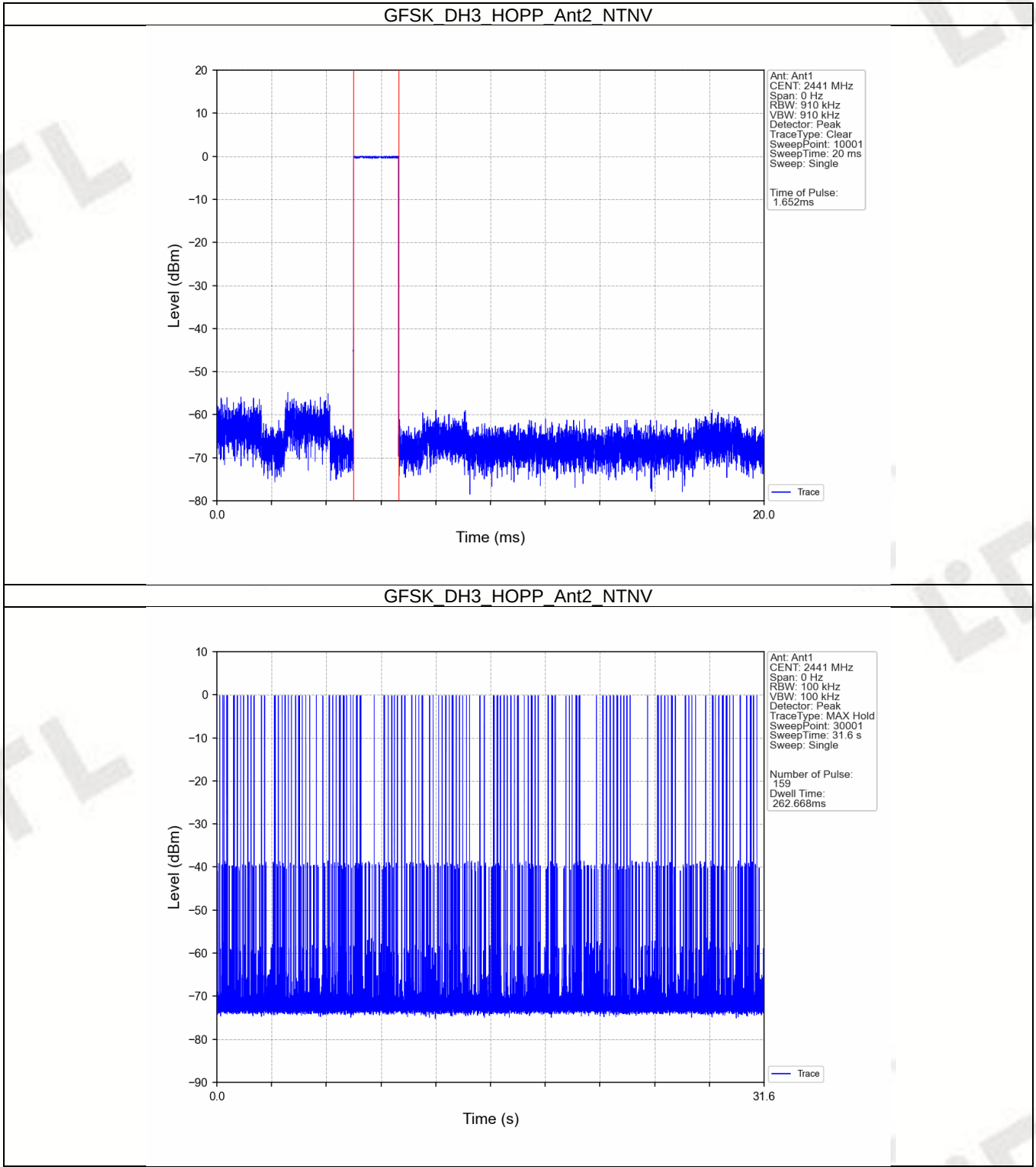
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5.2 Test Graph

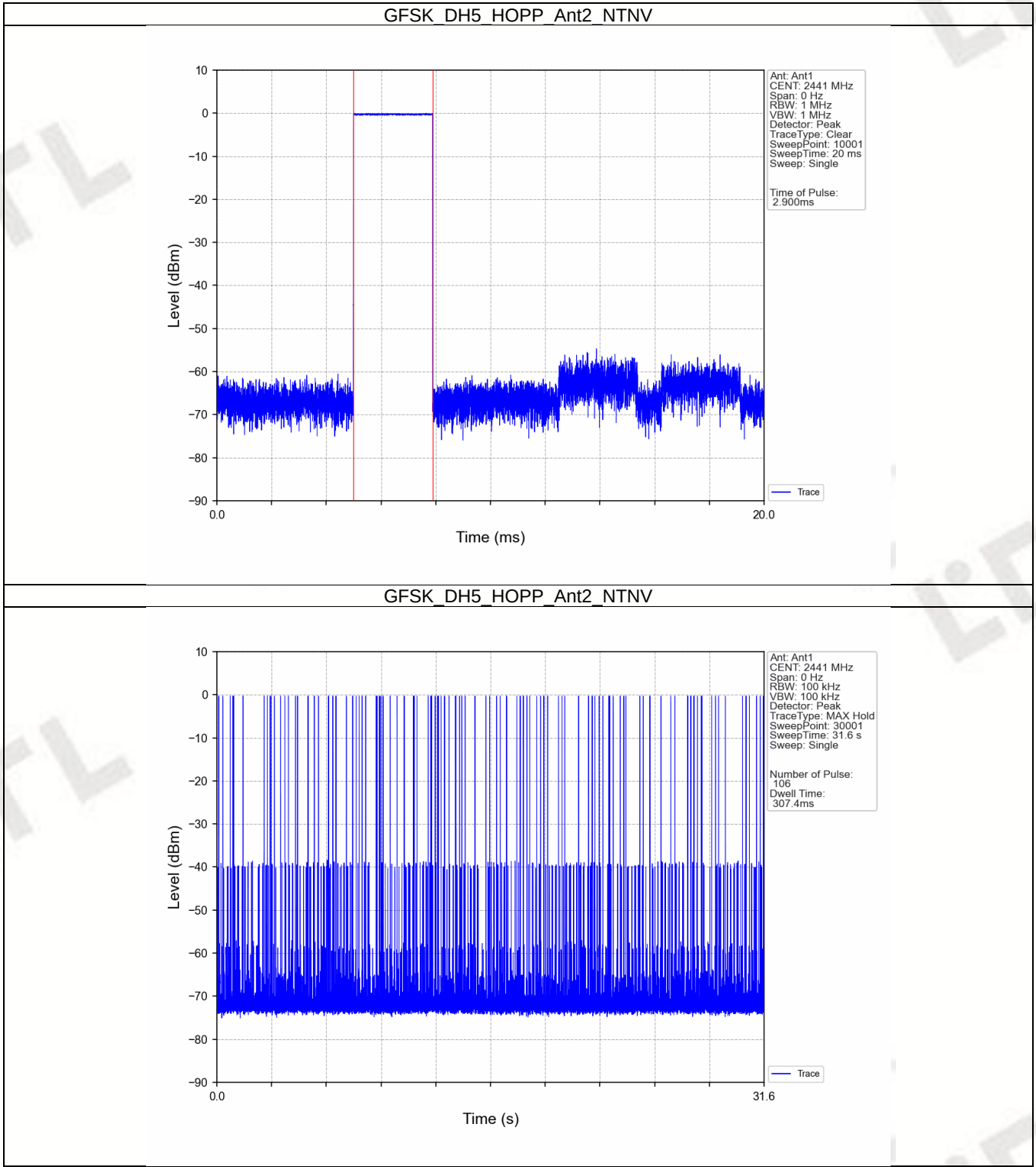
5.2.1 Ant2



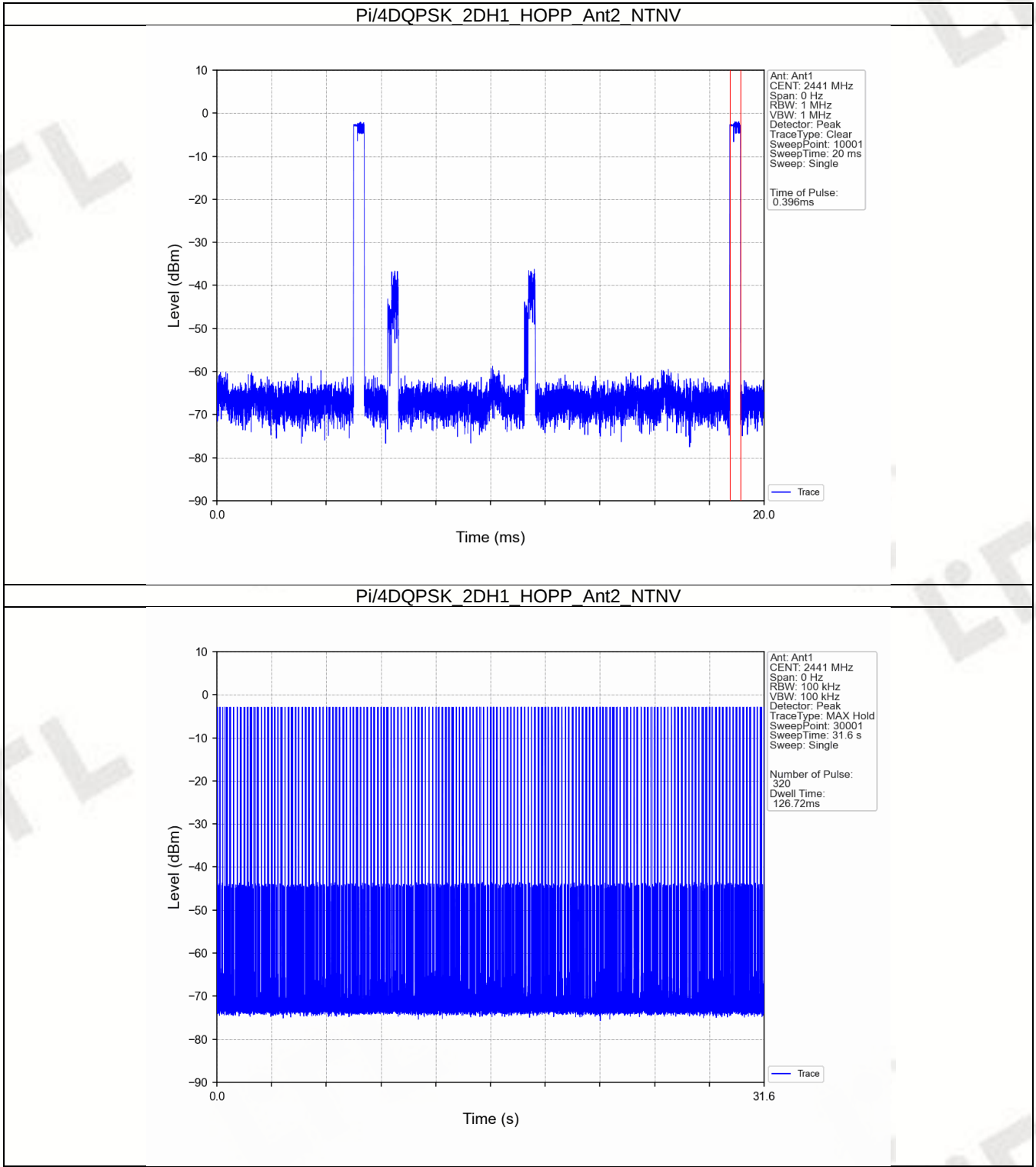
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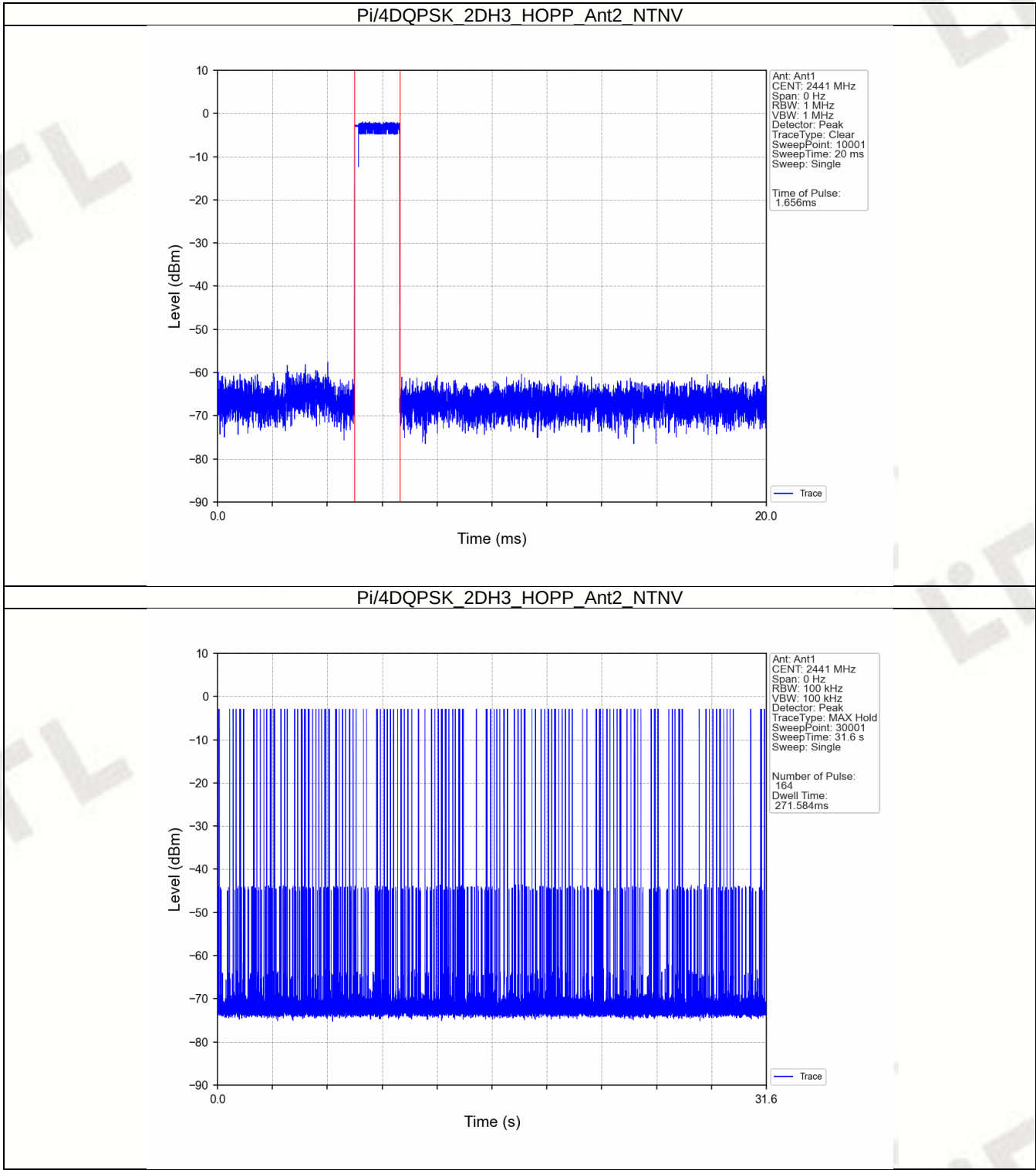
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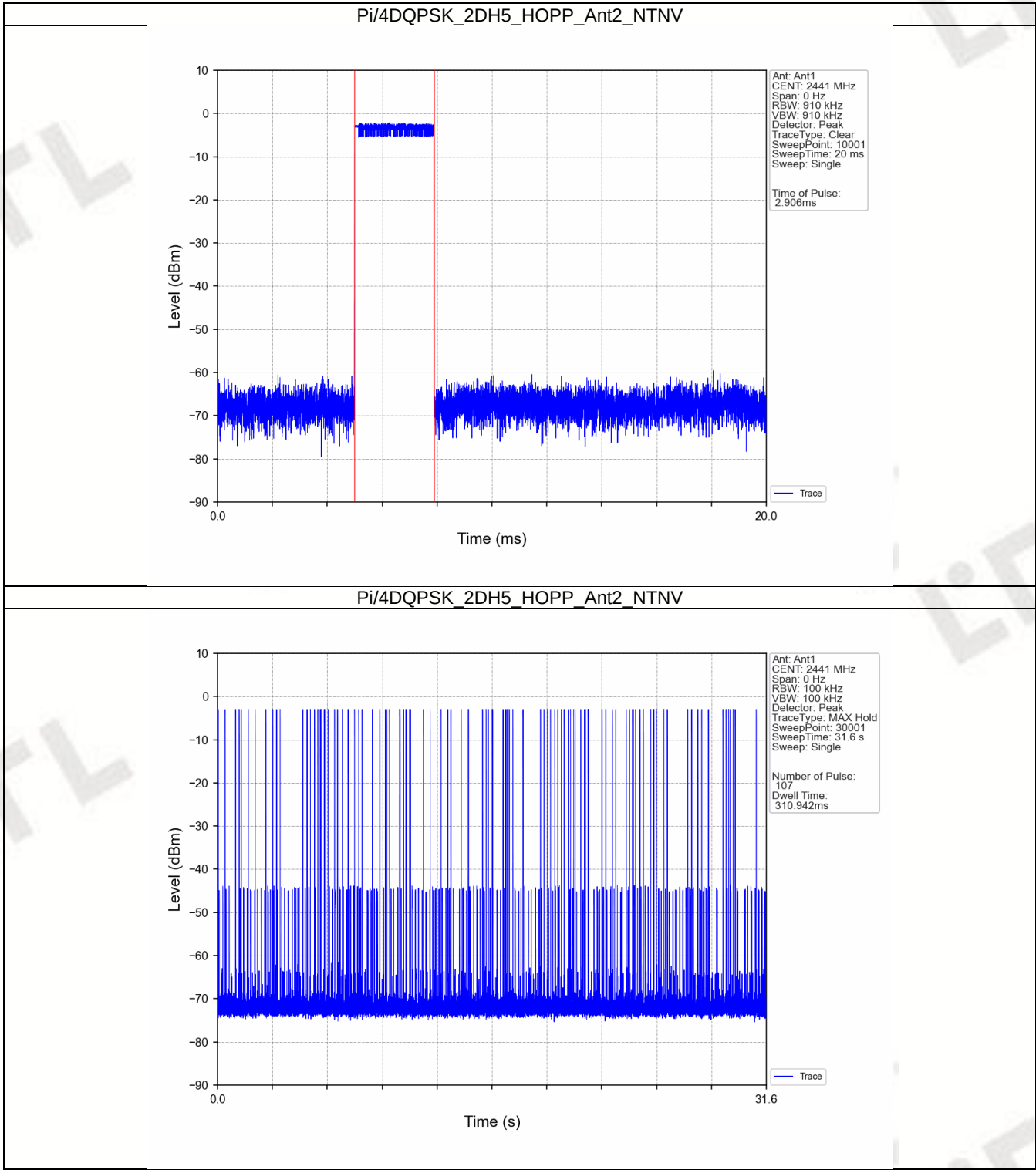
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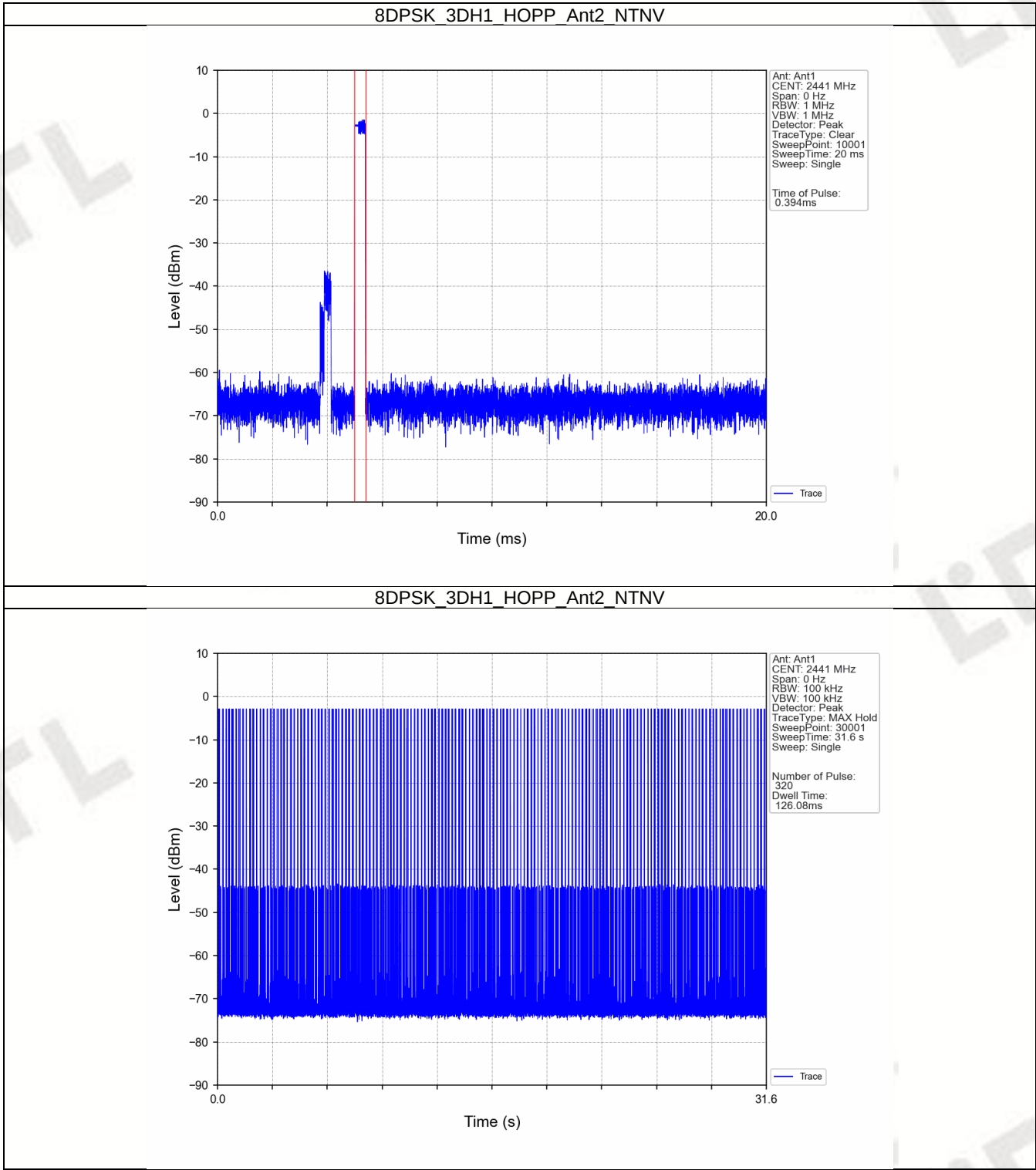
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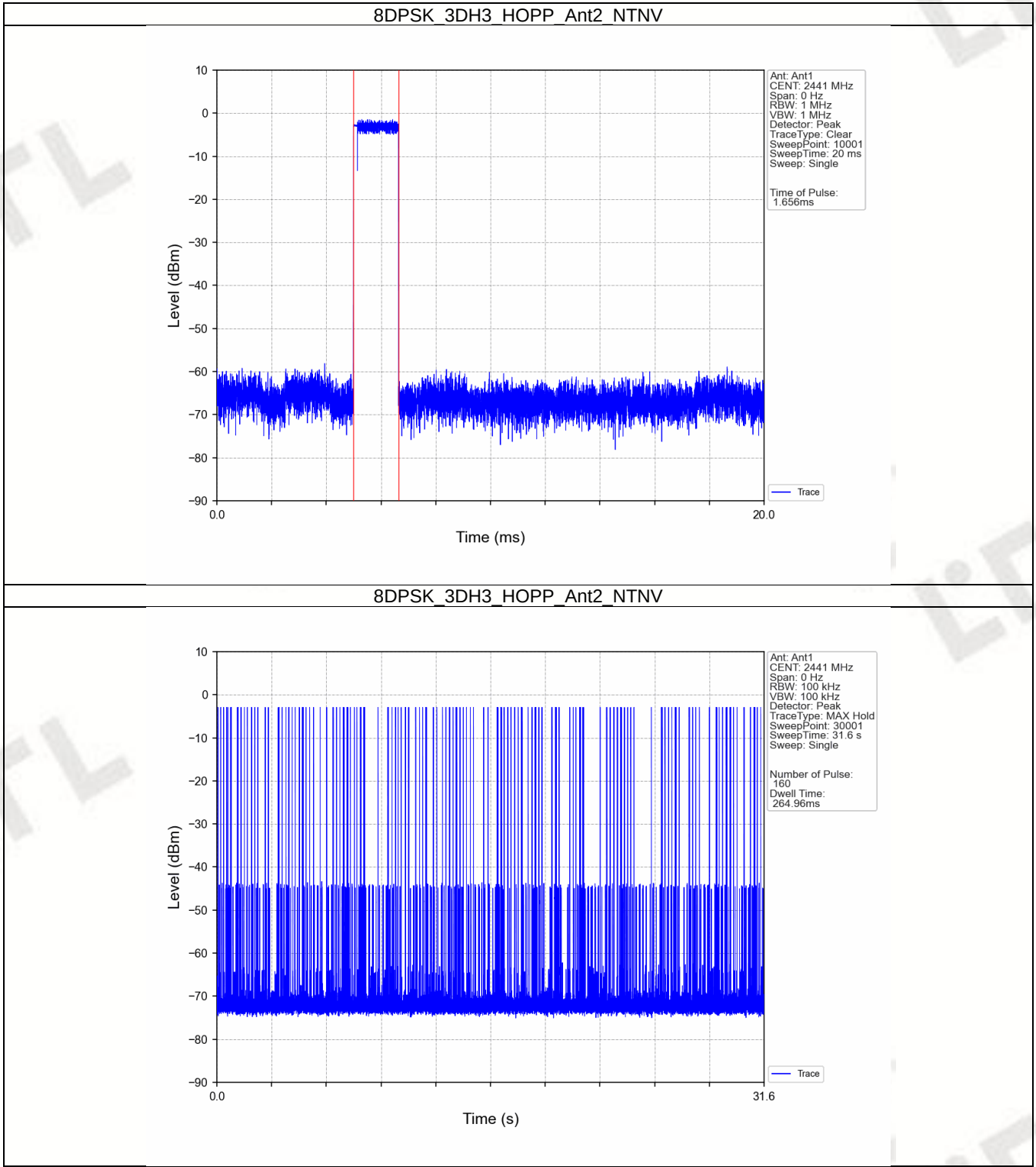
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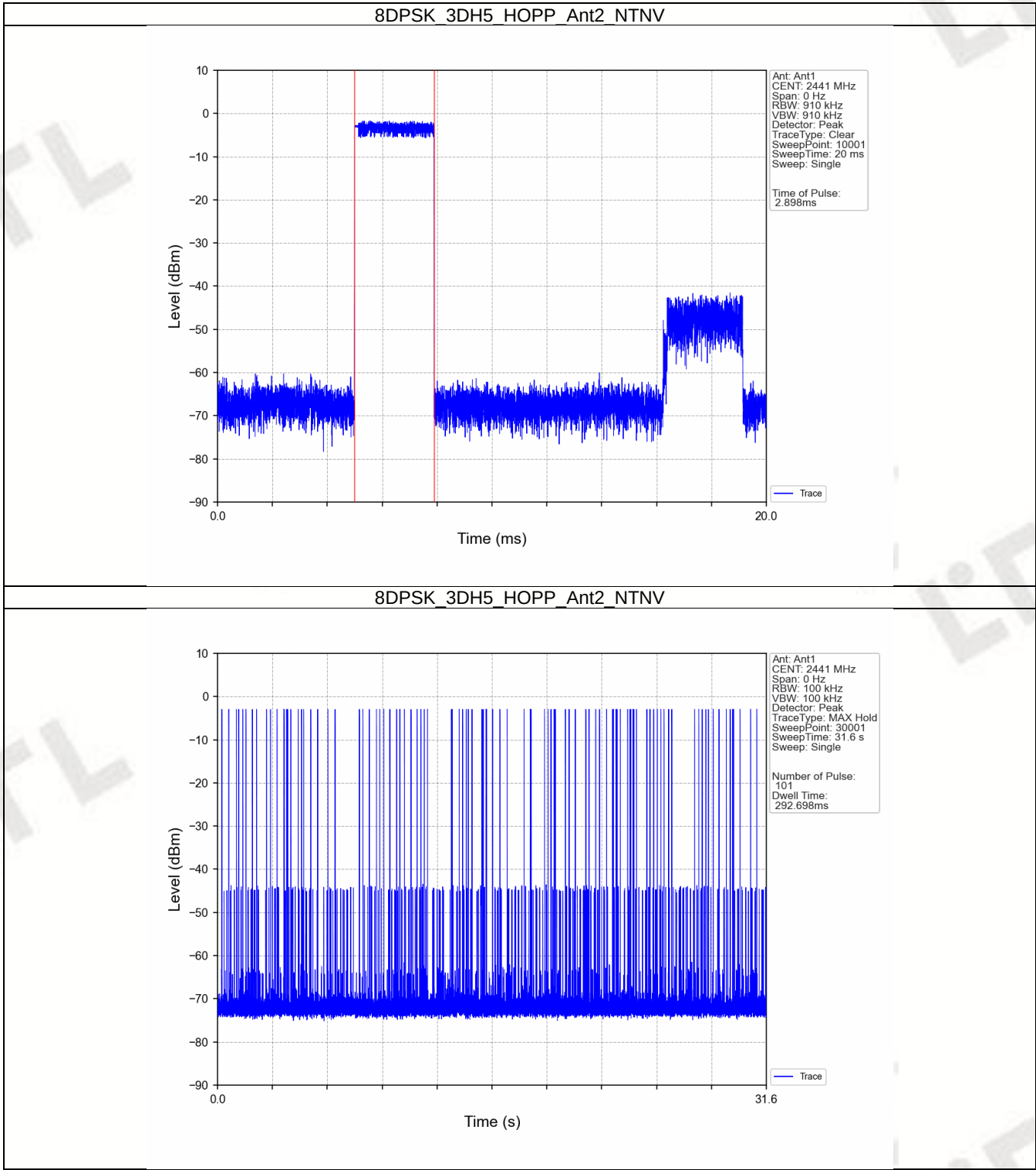
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FCCID: 2BCMY-LINCSTATIONE1



FCCID: 2BCMY-LINCSTATIONE1



FCCID: 2BCMY-LINCSTATIONE1

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	2	-0.95
		2441	DH5	2	-0.30
		2480	DH5	2	-0.43
Pi/4DQPSK	SISO	2402	2DH5	2	-0.63
		2441	2DH5	2	-2.84
		2480	2DH5	2	-2.94
8DPSK	SISO	2402	3DH5	2	-3.70
		2441	3DH5	2	-2.83
		2480	3DH5	2	-2.94

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

6.1.2 CSE

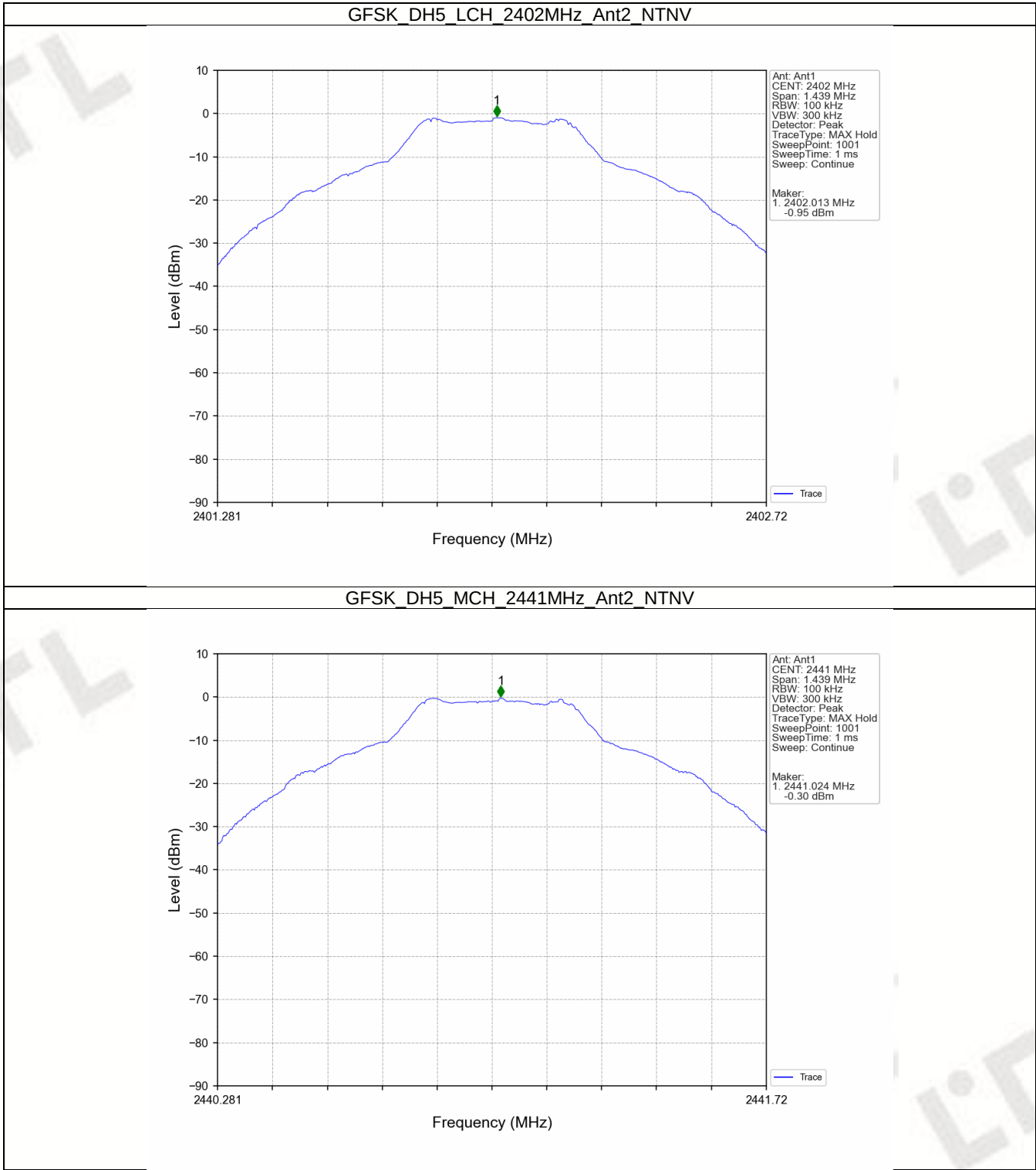
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	2	-0.30	-20.30	Pass
		2441	DH5	2	-0.30	-20.30	Pass
		2480	DH5	2	-0.30	-20.30	Pass
		HOPP	DH5	2	-0.30	-20.30	Pass
				2	-0.30	-20.30	Pass
Pi/4DQPSK	SISO	2402	2DH5	2	-0.63	-20.63	Pass
		2441	2DH5	2	-0.63	-20.63	Pass
		2480	2DH5	2	-0.63	-20.63	Pass
		HOPP	2DH5	2	-0.63	-20.63	Pass
				2	-0.63	-20.63	Pass
8DPSK	SISO	2402	3DH5	2	-2.83	-22.83	Pass
		2441	3DH5	2	-2.83	-22.83	Pass
		2480	3DH5	2	-2.83	-22.83	Pass
		HOPP	3DH5	2	-2.83	-22.83	Pass
				2	-2.83	-22.83	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

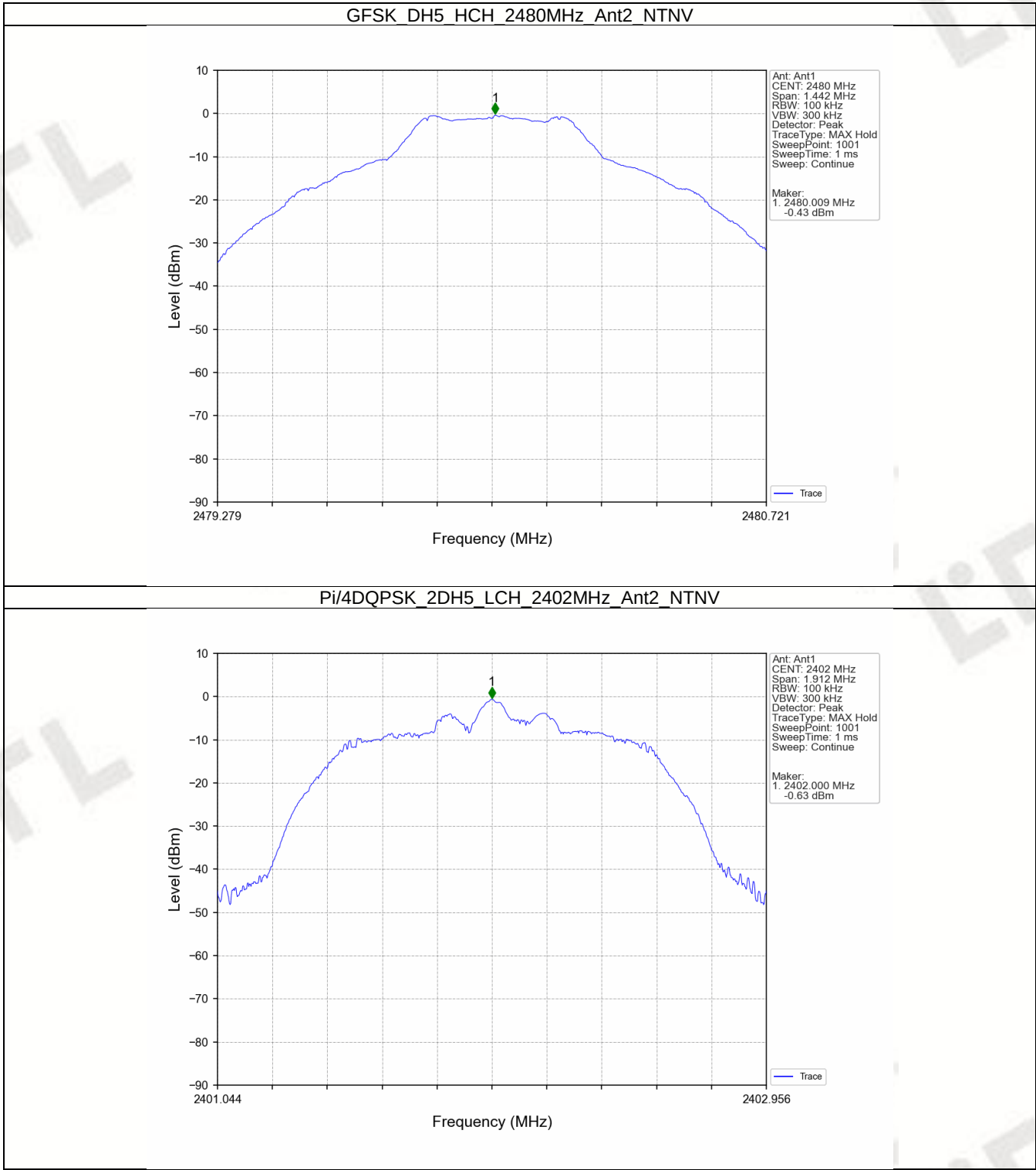
FCCID: 2BCMY-LINCSTATIONE1

6.2 Test Graph

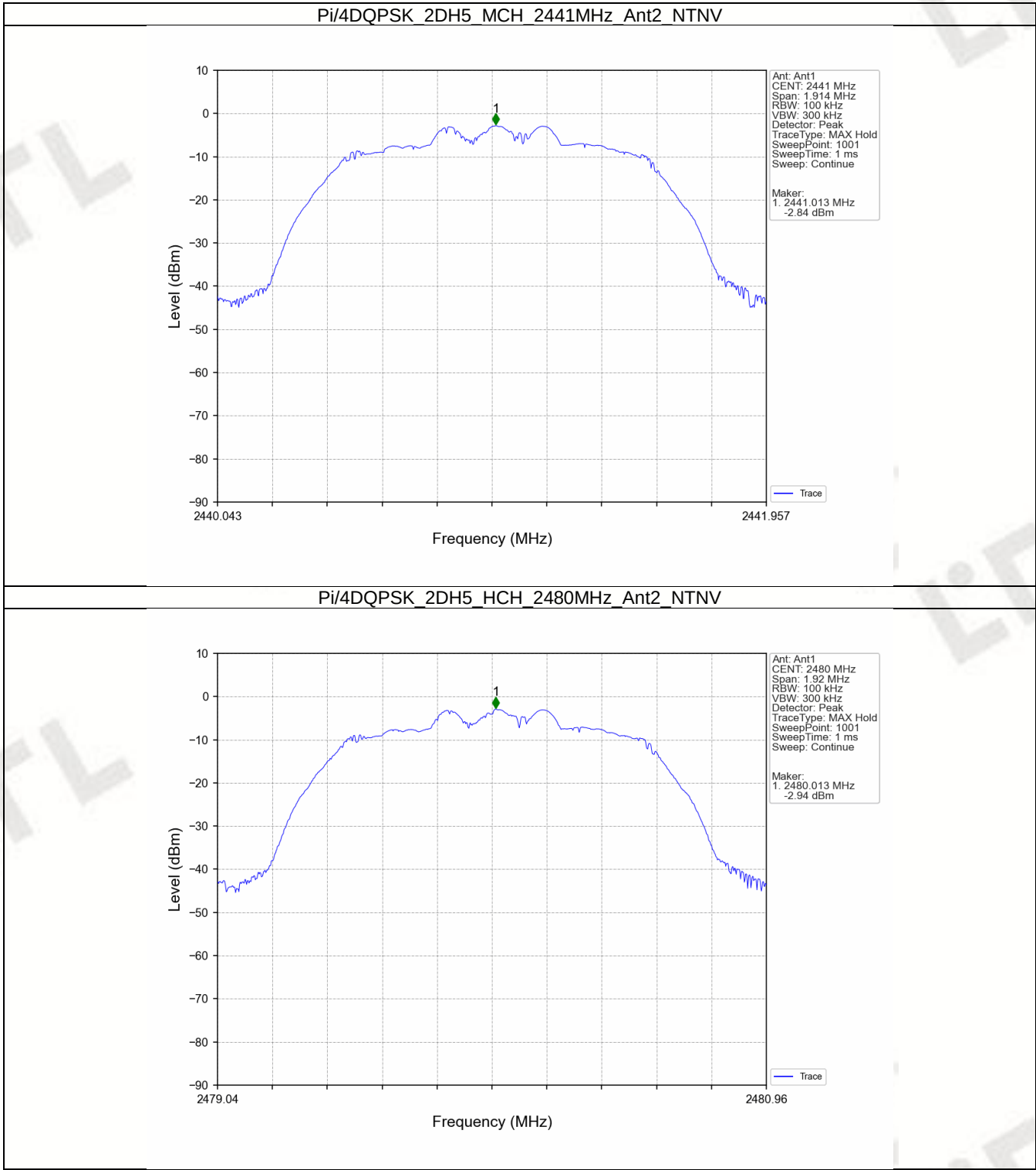
6.2.1 Ref



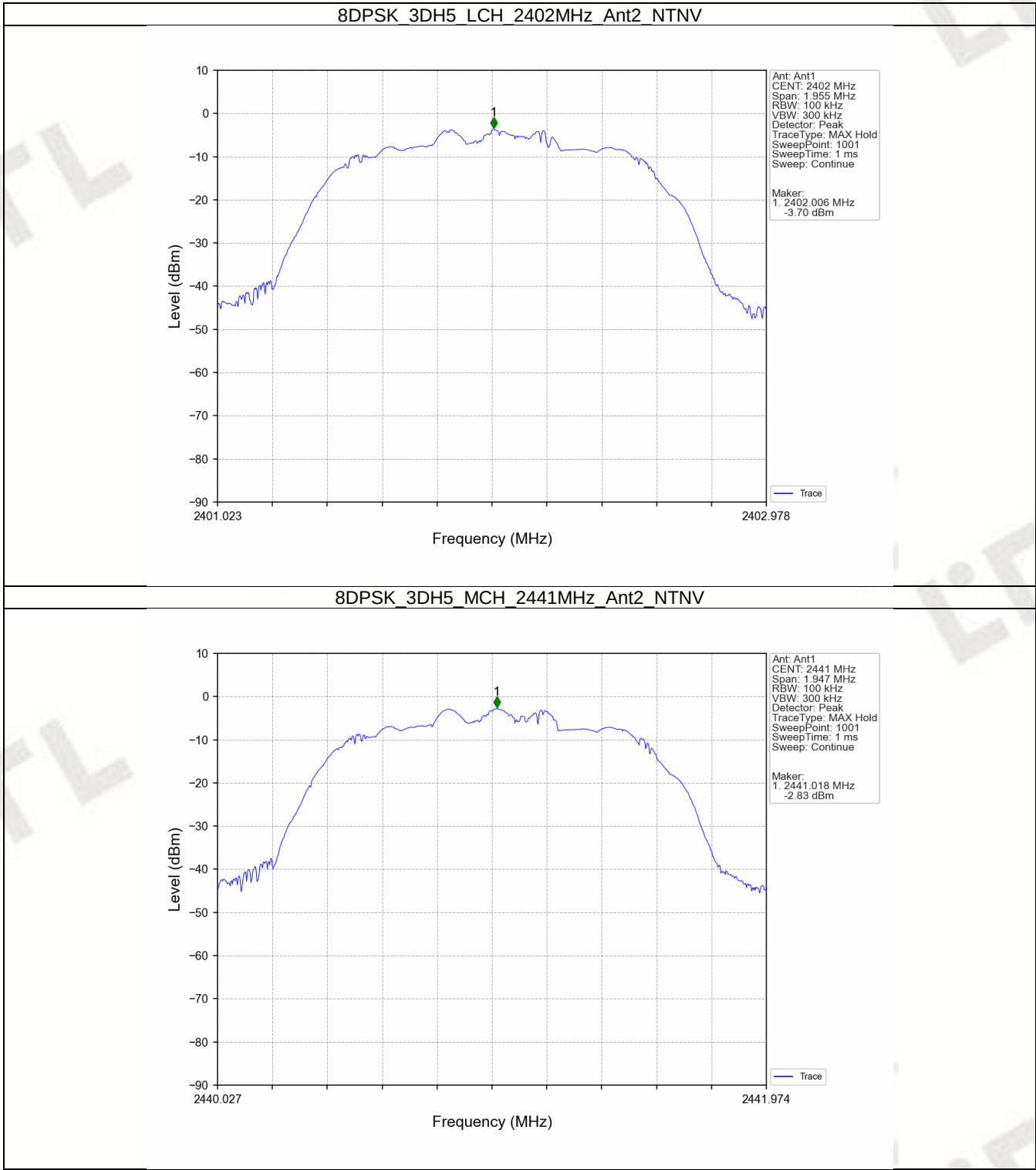
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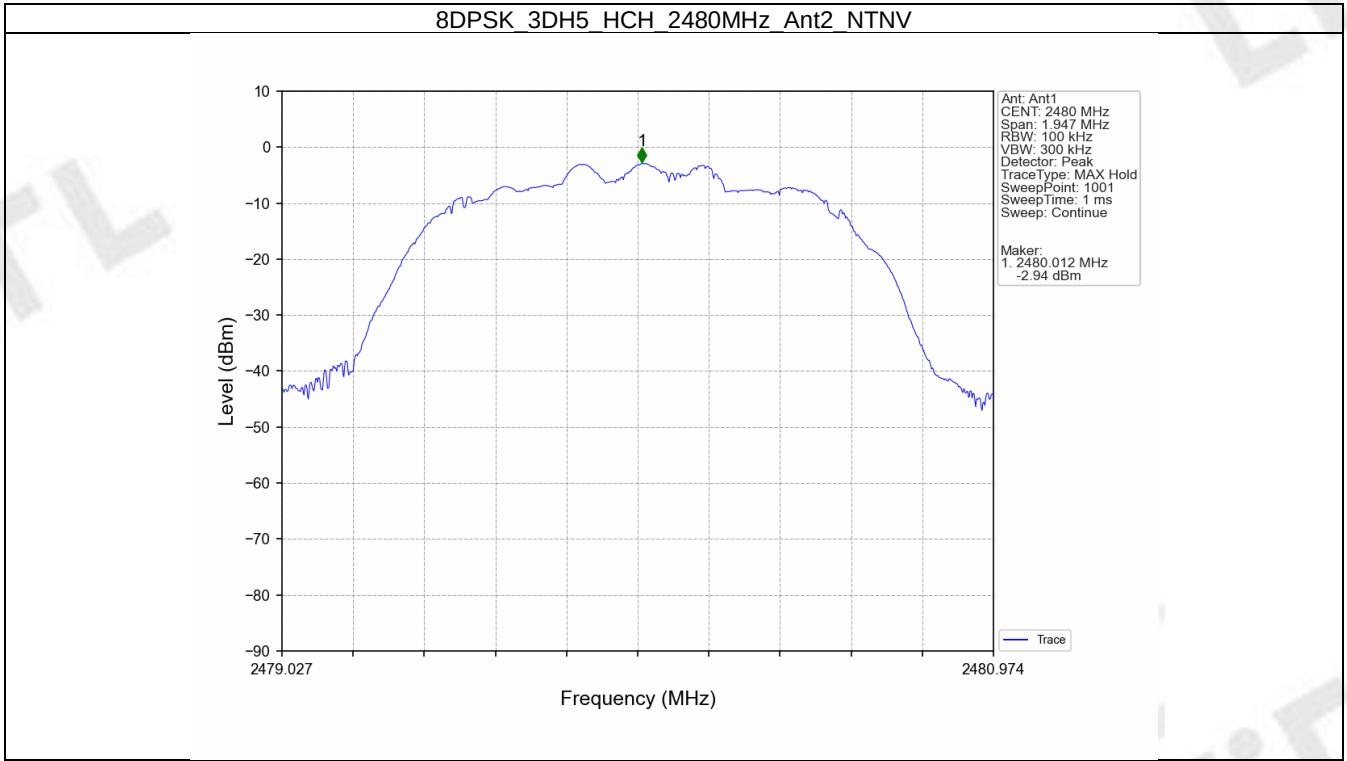
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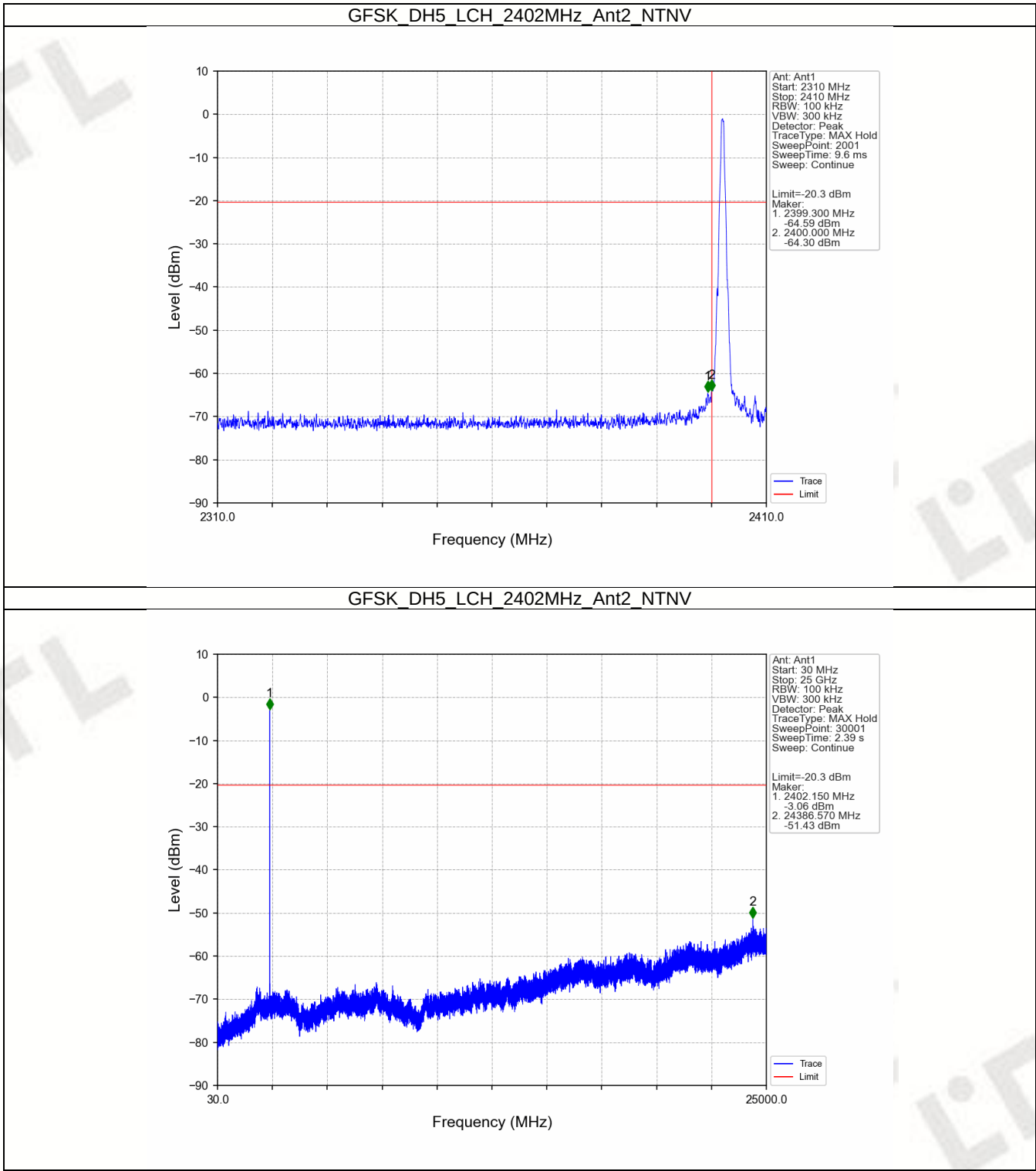


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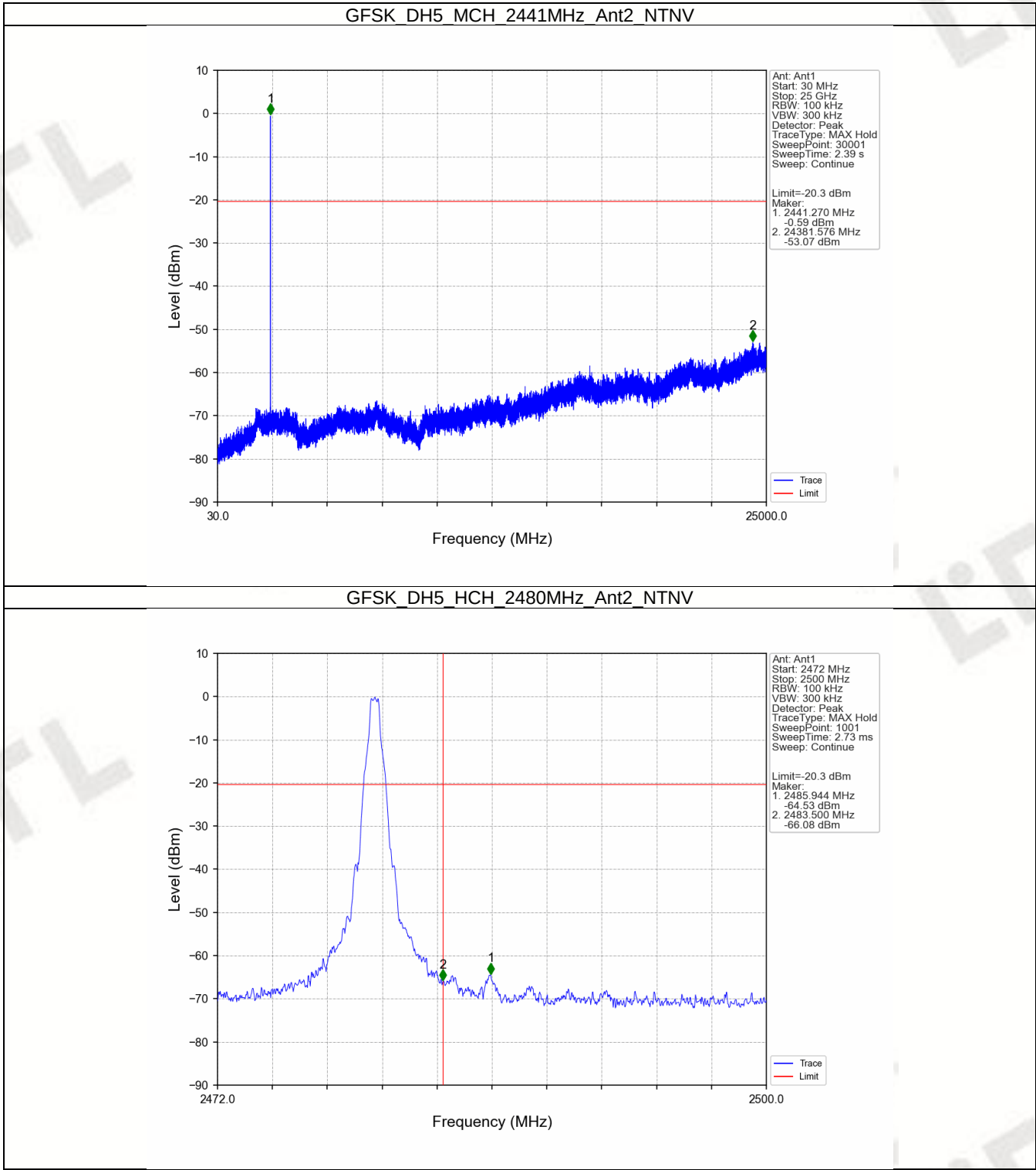


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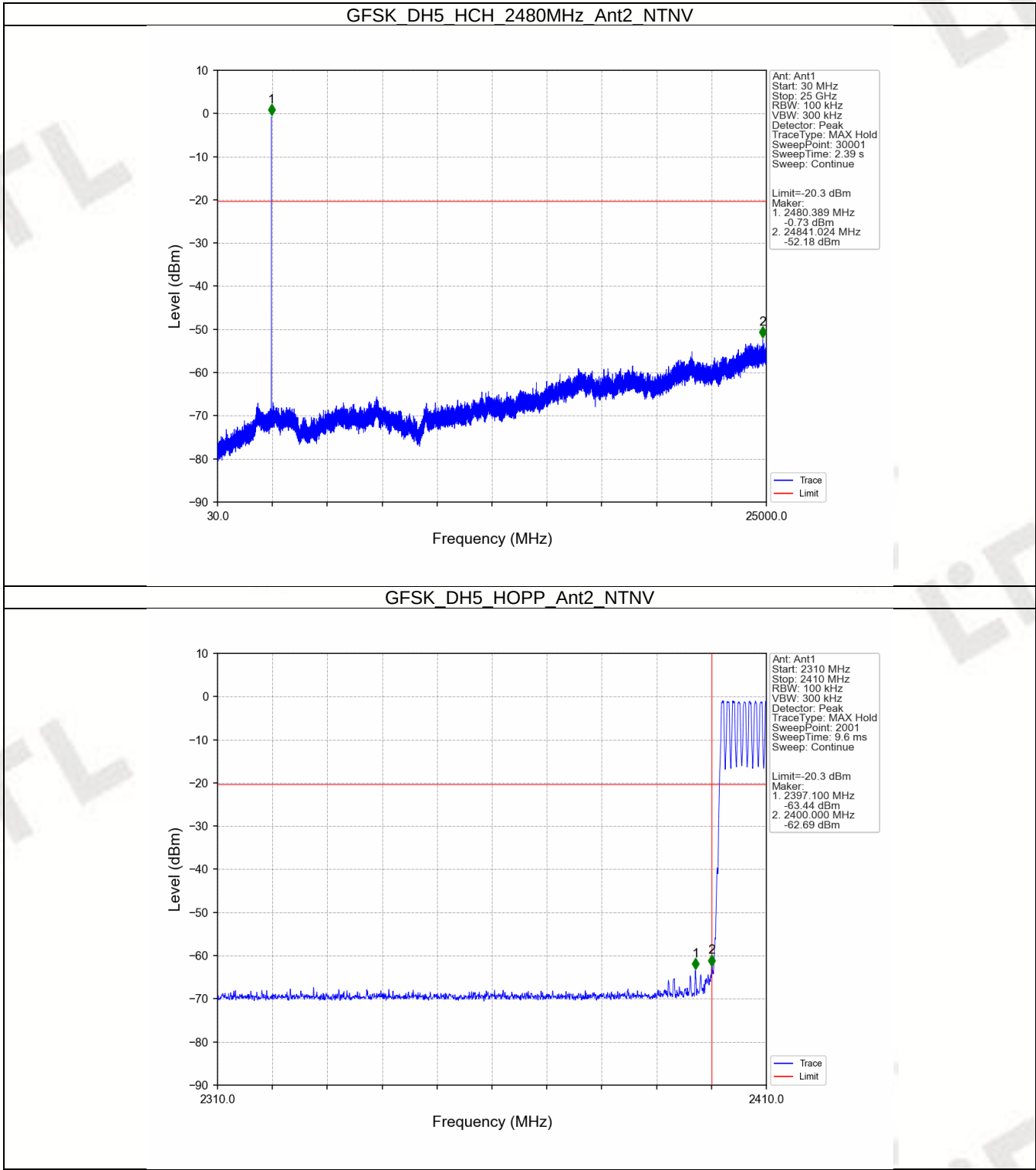
6.2.2 CSE



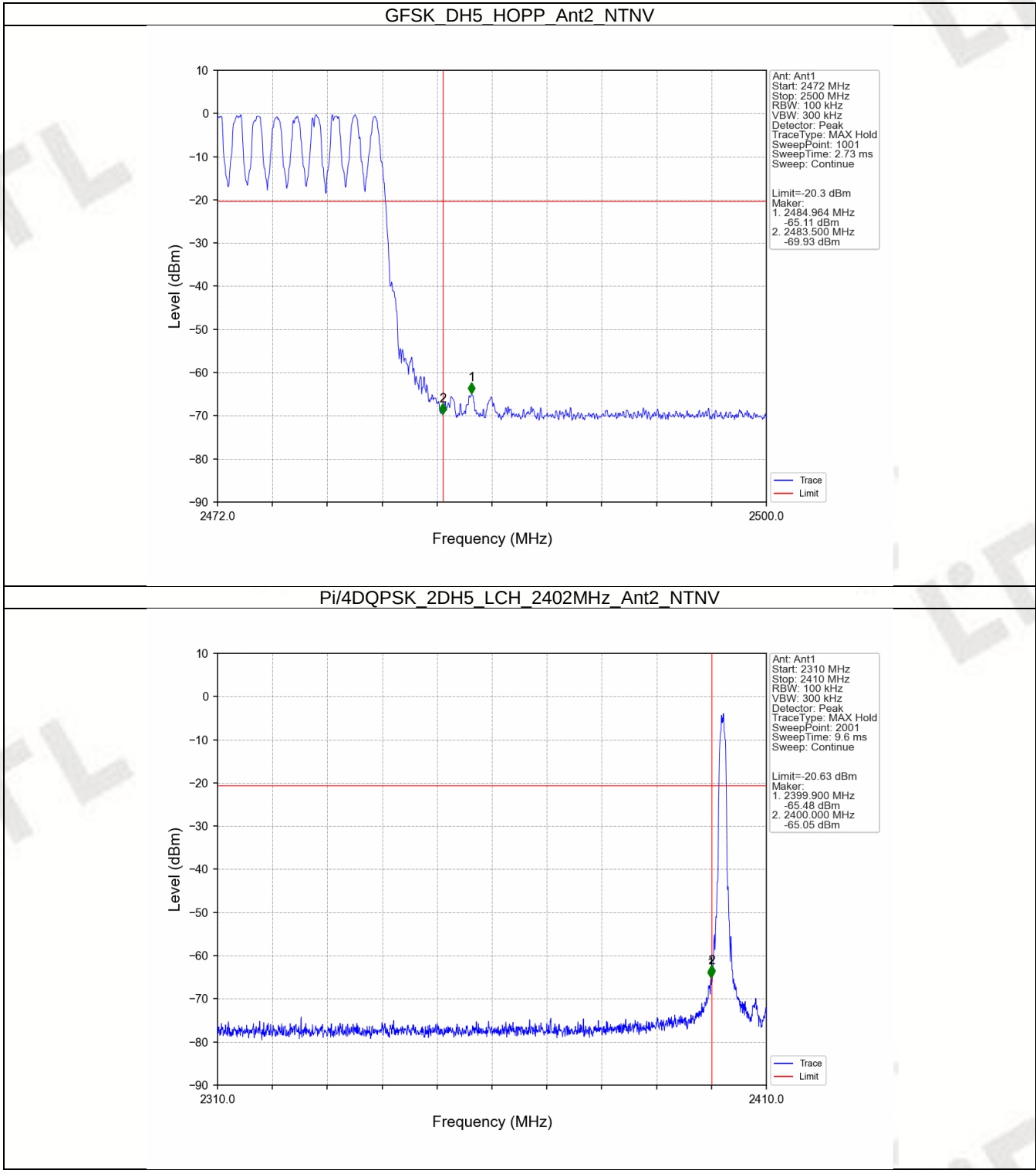
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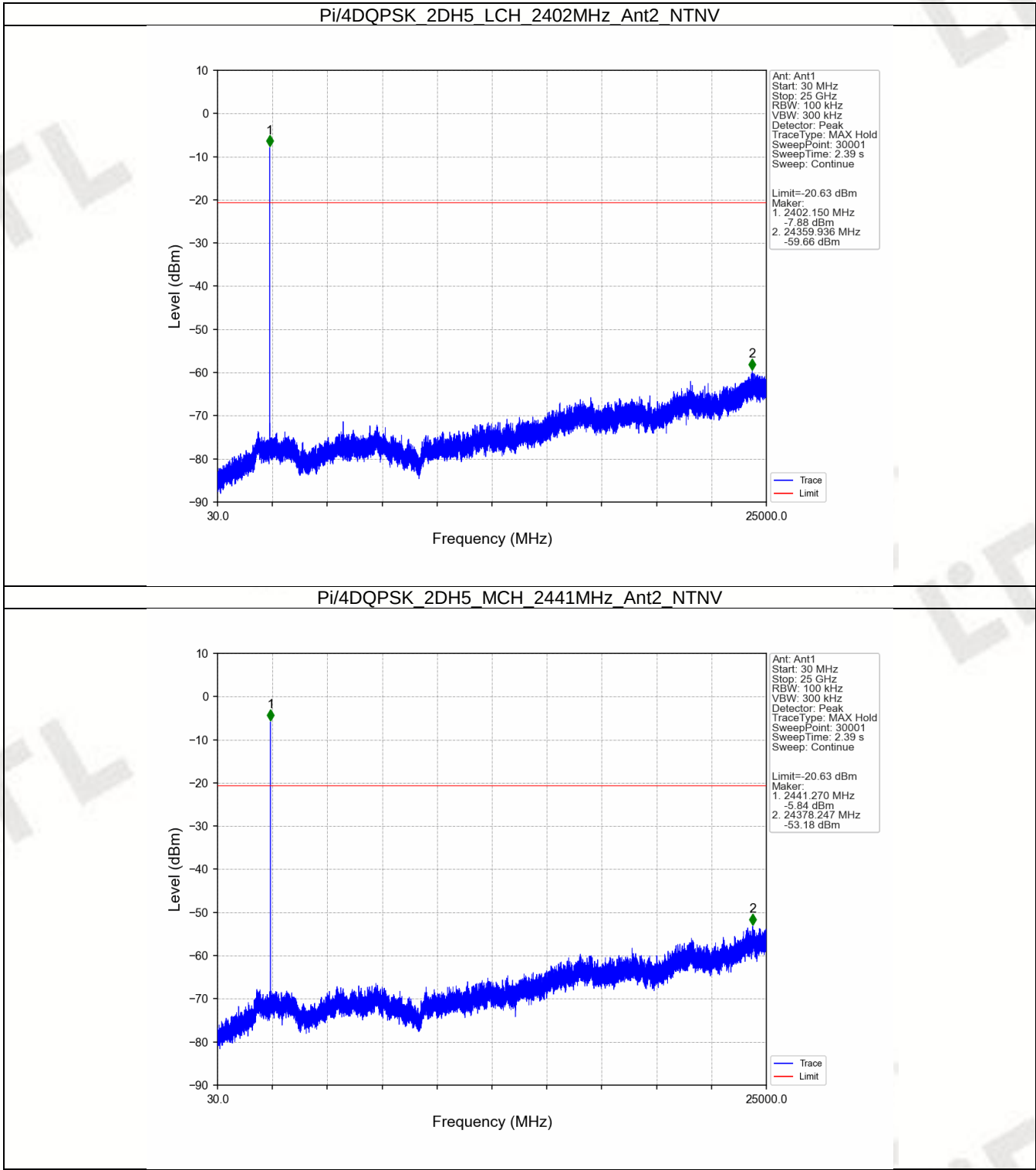
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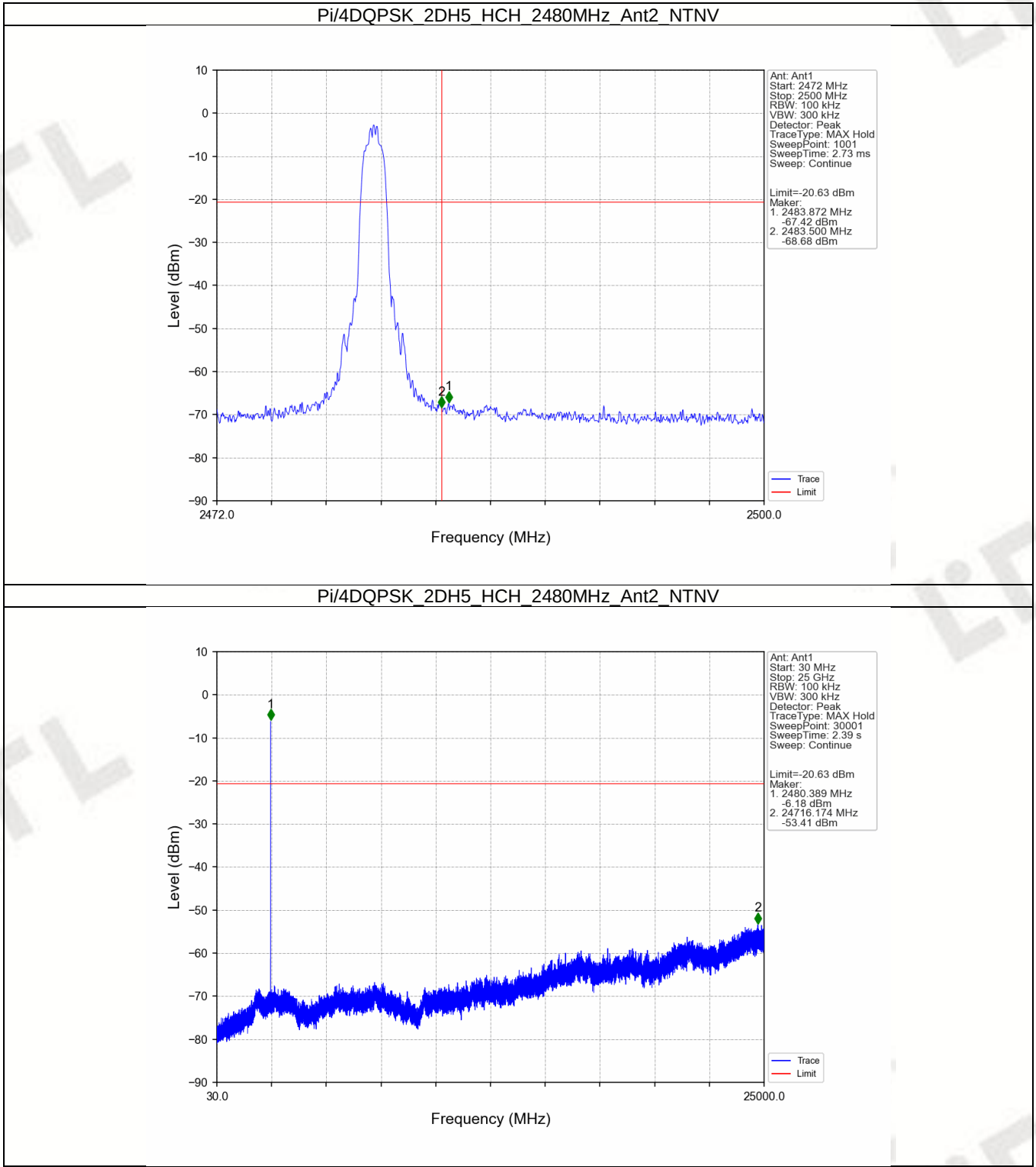
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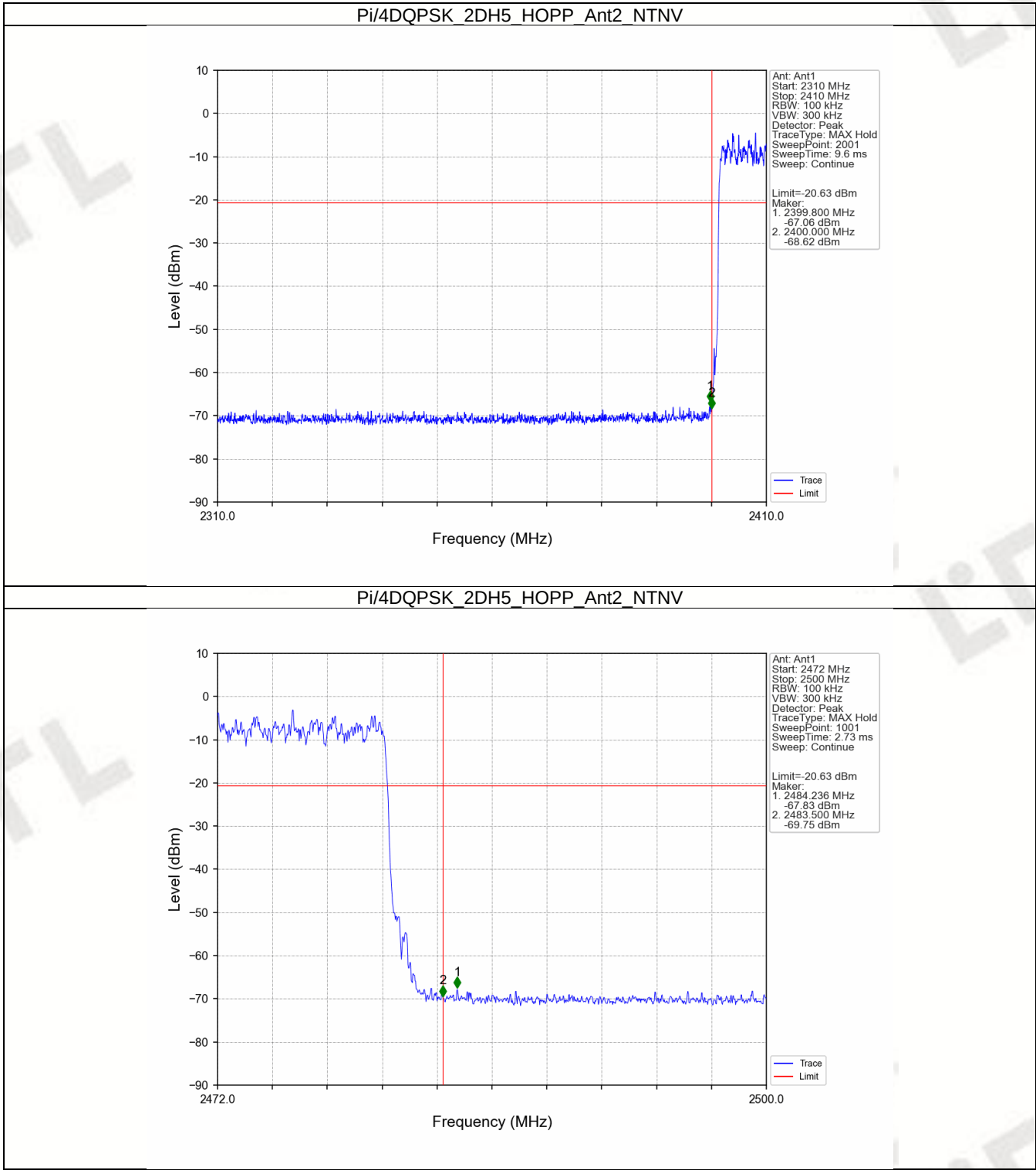
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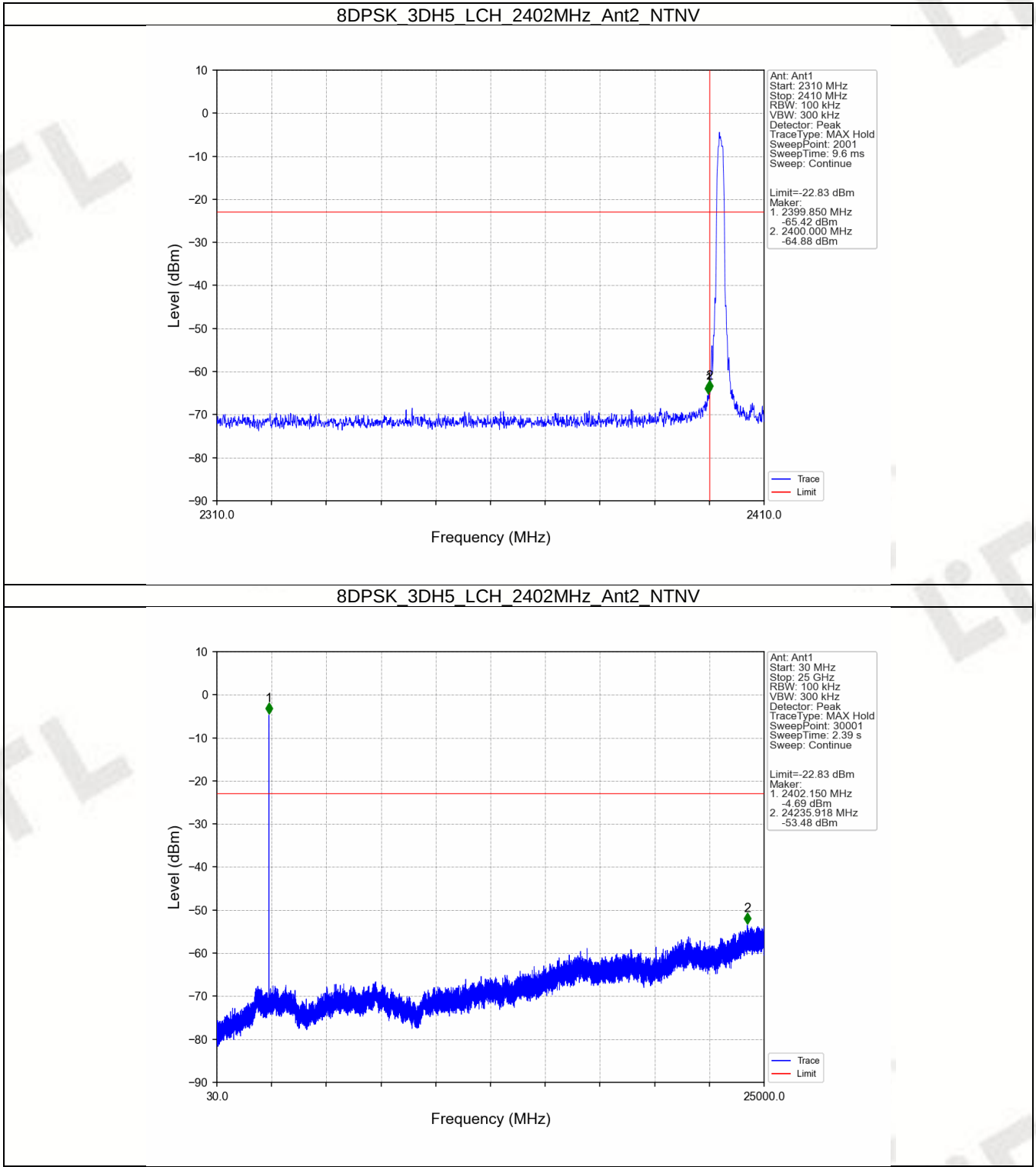
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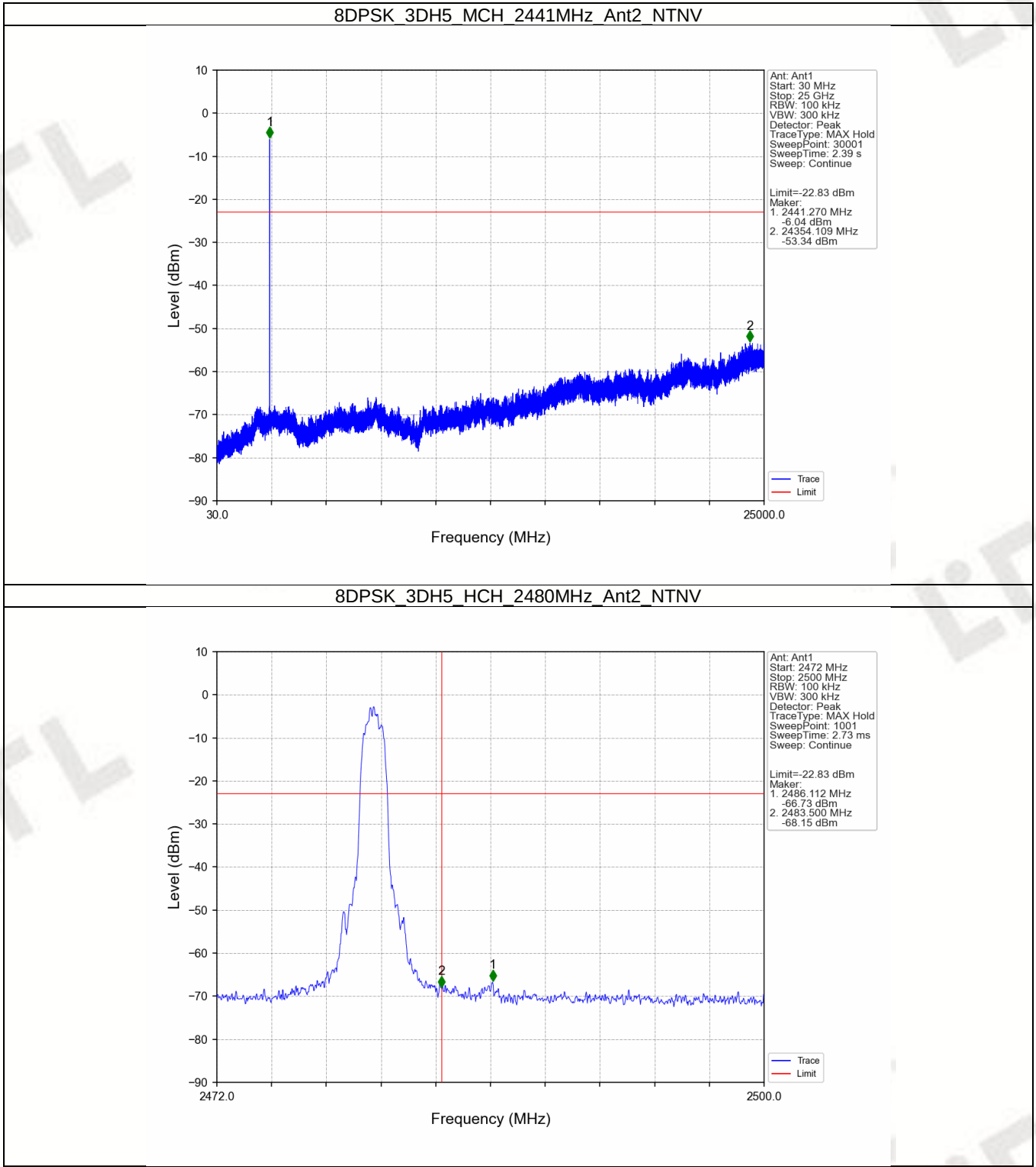
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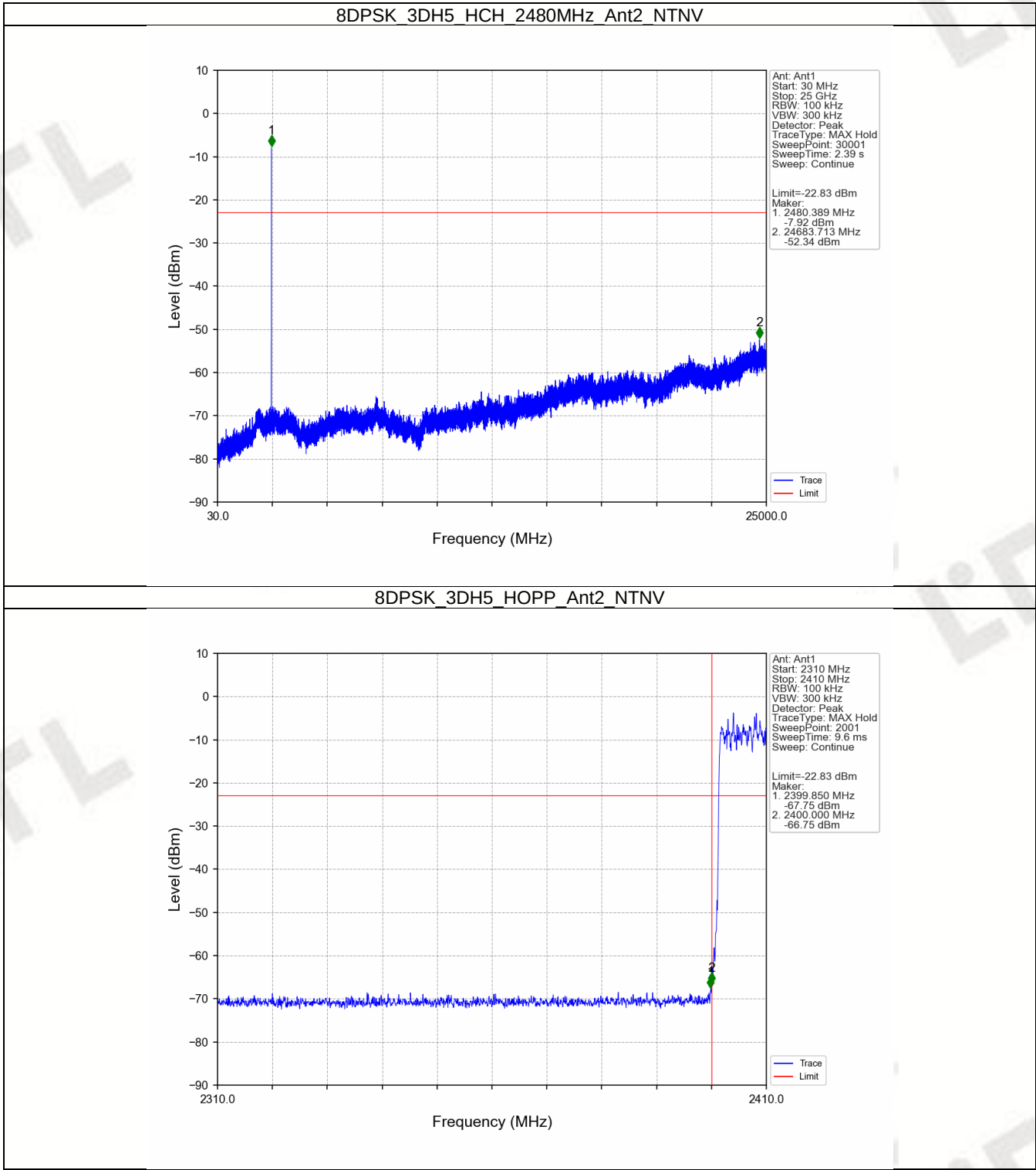
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