



Annex for BT

Test Report No.: CTL2403012071-WF01

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6.2 CSE 43

6.2.1 Test Result 43

FCCID: 2AU4P-BTS206

1. Bandwidth

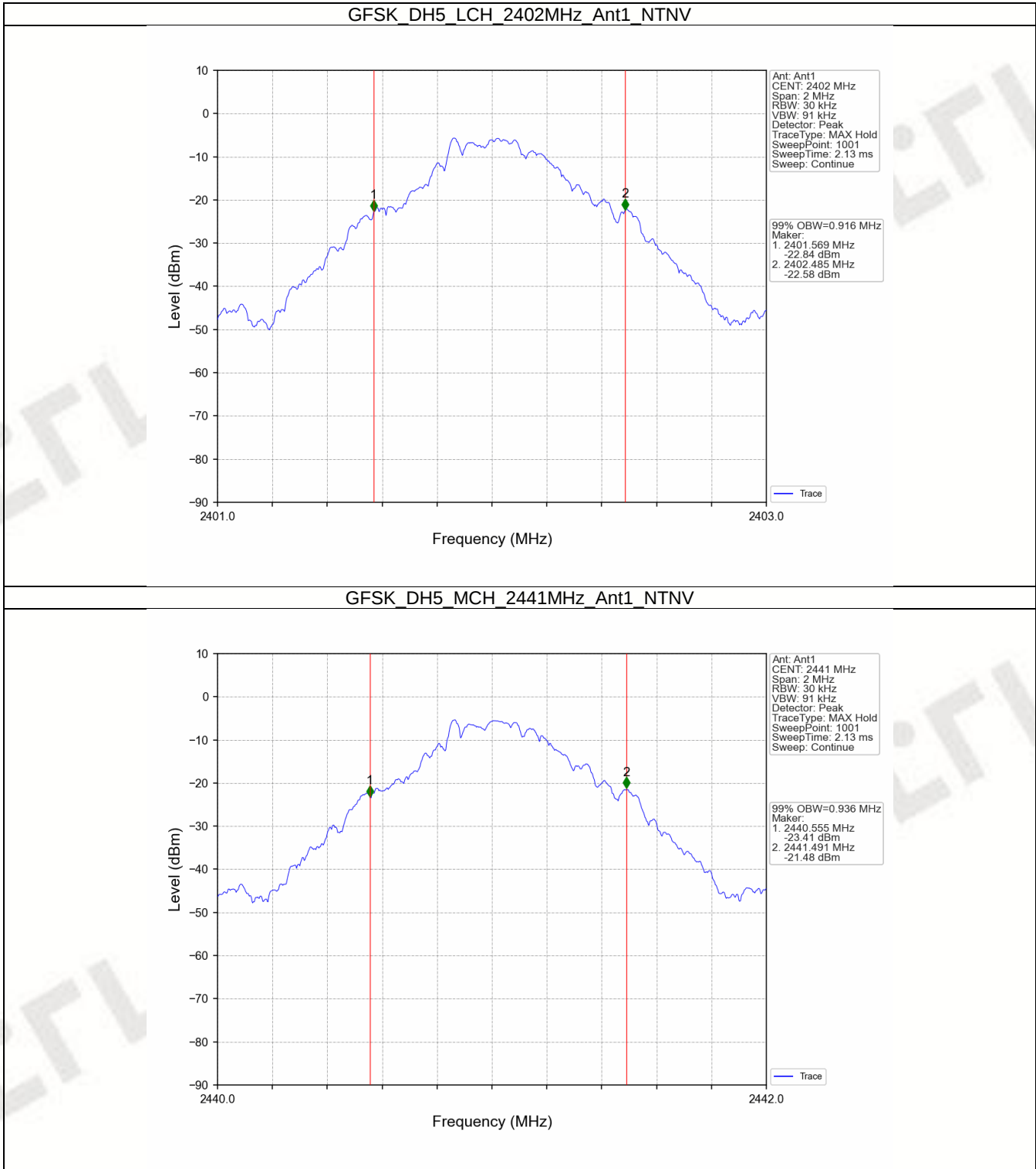
1.1 OBW

1.1.1 Test Result

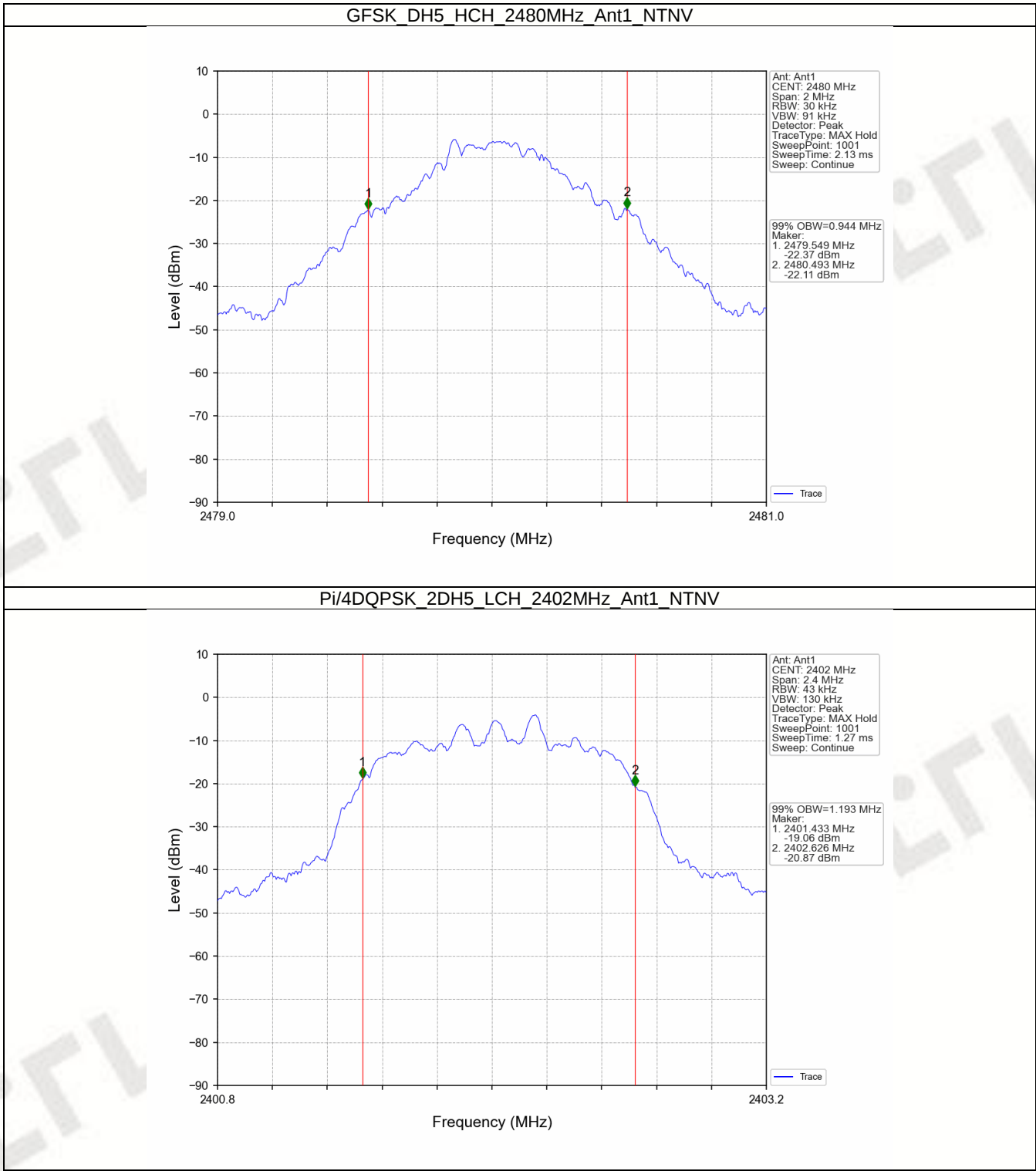
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.916	/	Pass
		2441	DH5	1	0.936	/	Pass
		2480	DH5	1	0.944	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.193	/	Pass
		2441	2DH5	1	1.204	/	Pass
		2480	2DH5	1	1.213	/	Pass
8DPSK	SISO	2402	3DH5	1	1.194	/	Pass
		2441	3DH5	1	1.201	/	Pass
		2480	3DH5	1	1.205	/	Pass

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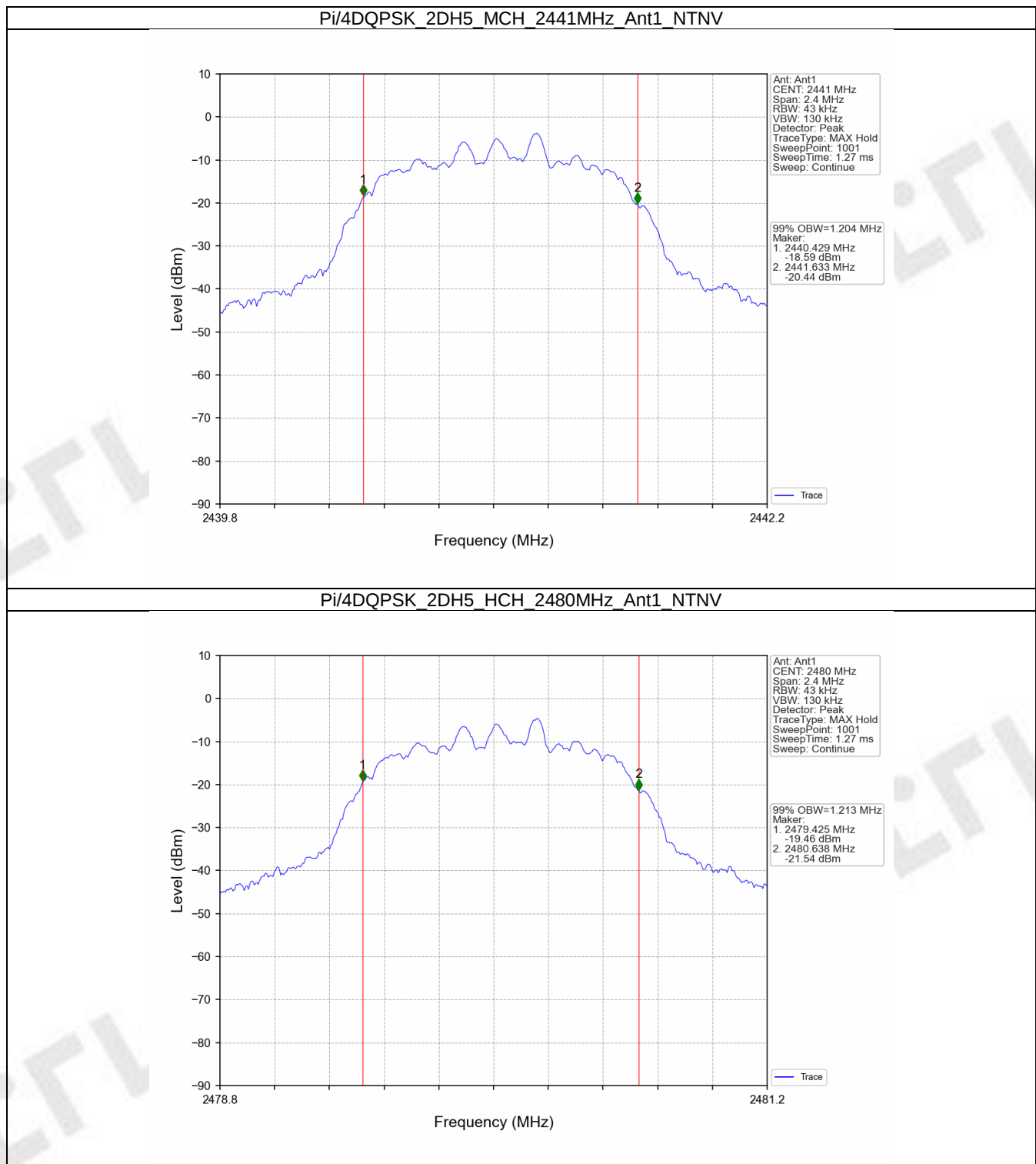
1.1.2 Test Graph



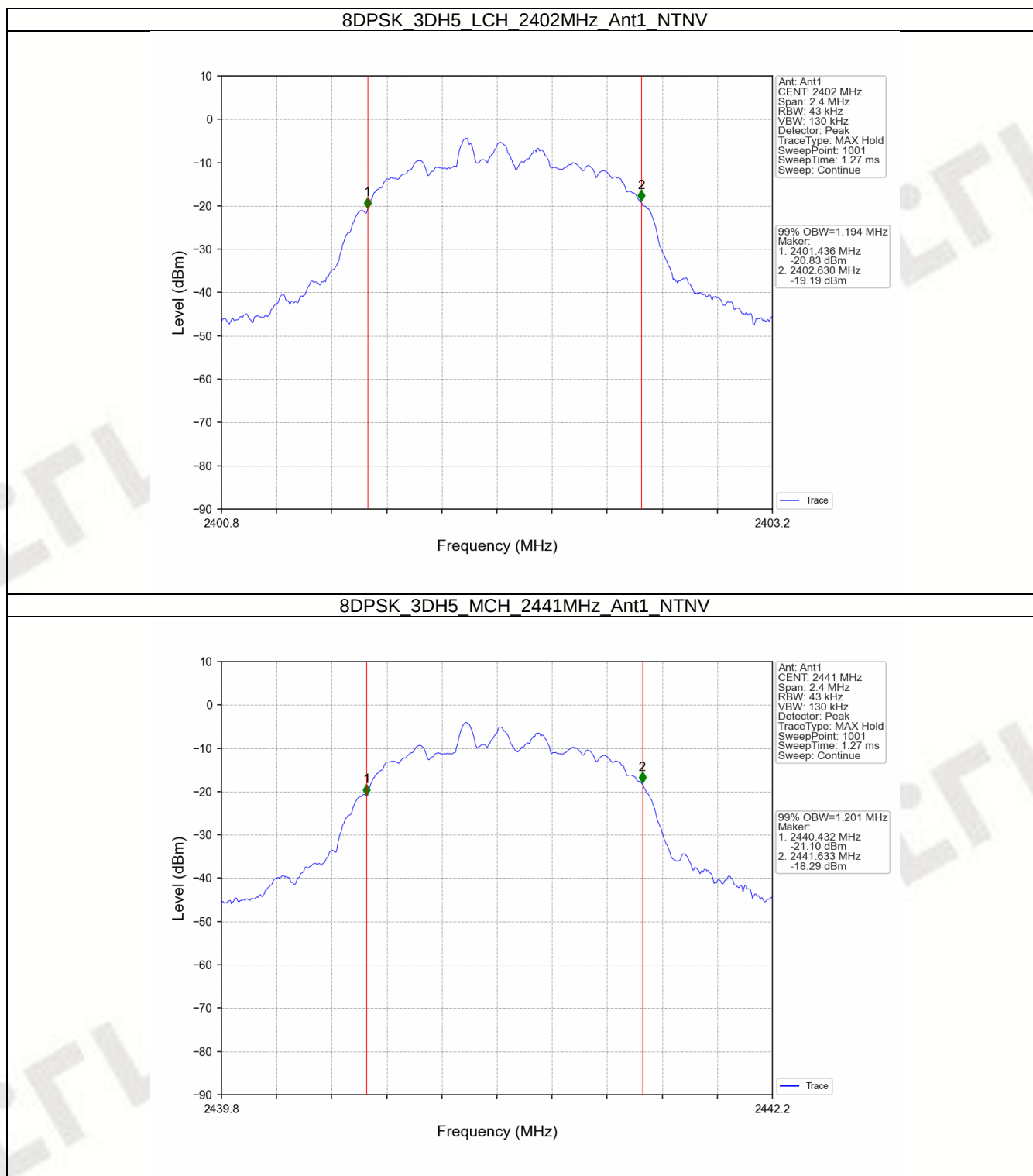
FCCID: 2AU4P-BTS206



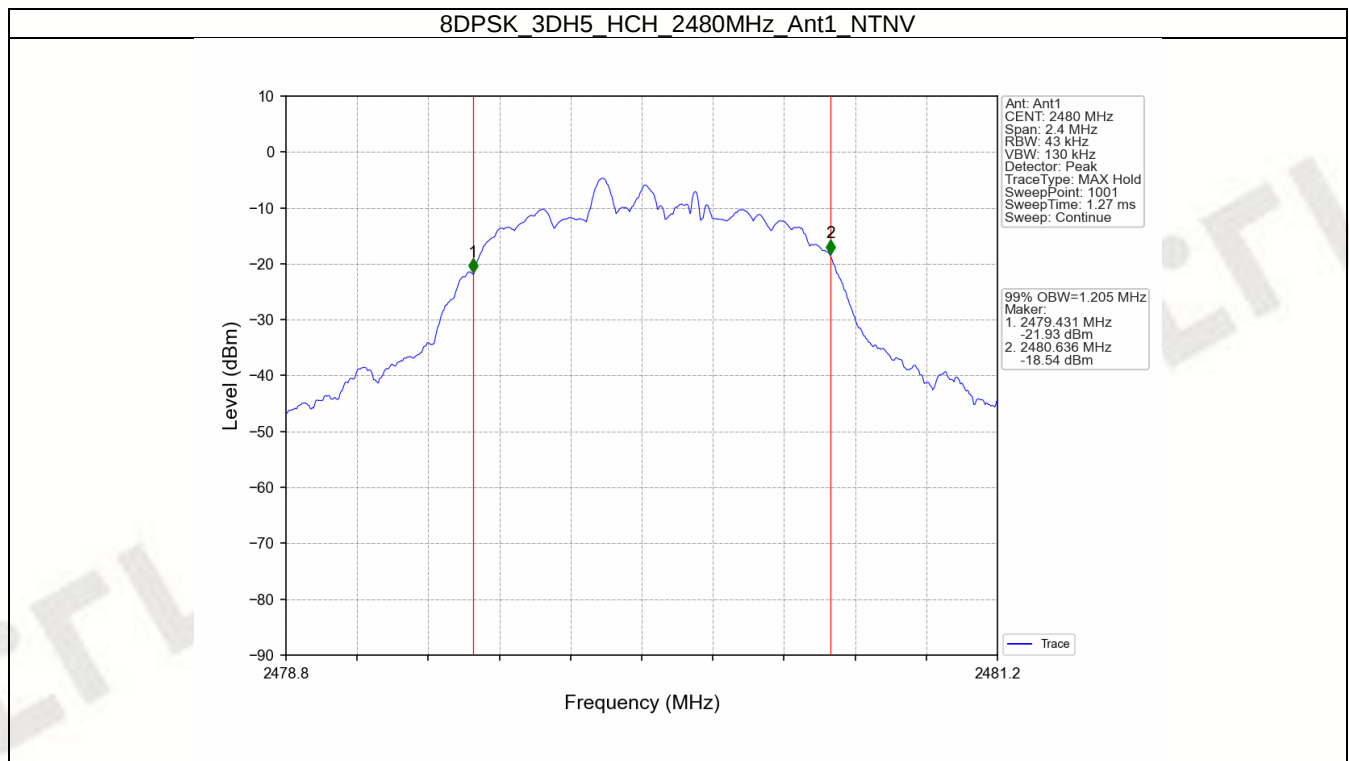
FCCID: 2AU4P-BTS206



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FCCID: 2AU4P-BTS206



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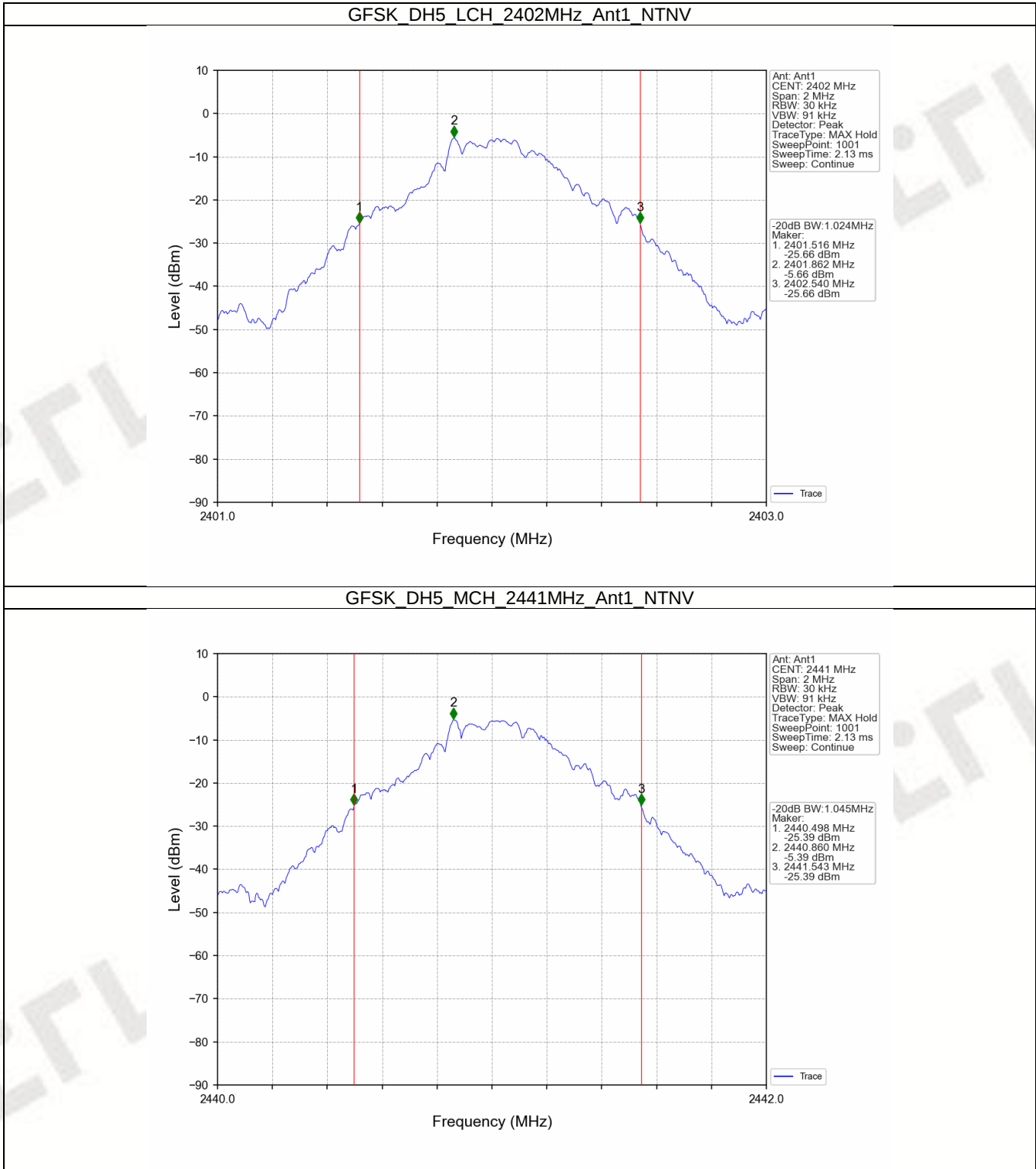
1.2 20dB BW

1.2.1 Test Result

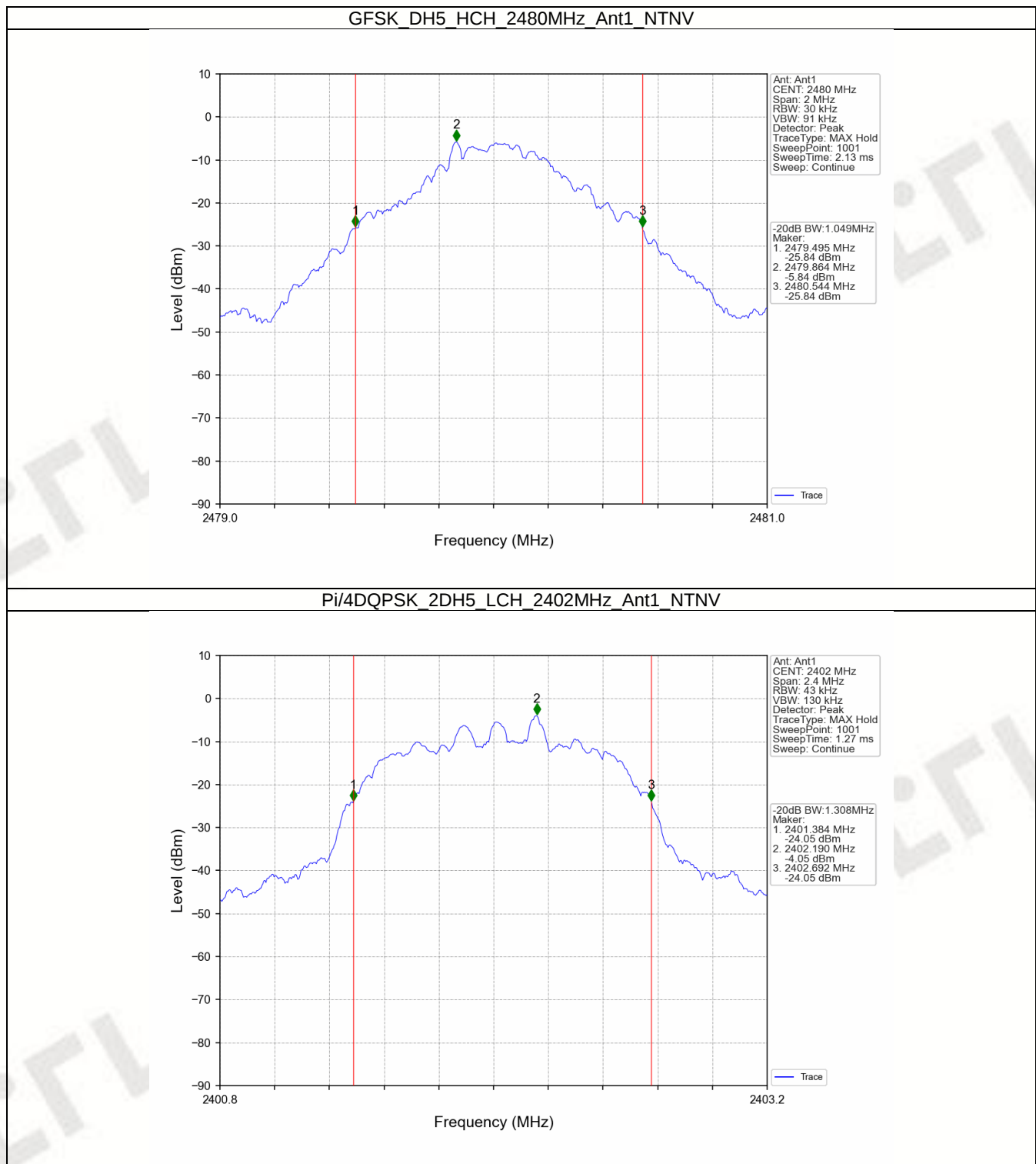
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	1.024	/	Pass
		2441	DH5	1	1.045	/	Pass
		2480	DH5	1	1.049	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.308	/	Pass
		2441	2DH5	1	1.328	/	Pass
		2480	2DH5	1	1.333	/	Pass
8DPSK	SISO	2402	3DH5	1	1.318	/	Pass
		2441	3DH5	1	1.317	/	Pass
		2480	3DH5	1	1.310	/	Pass

FCCID: 2AU4P-BTS206

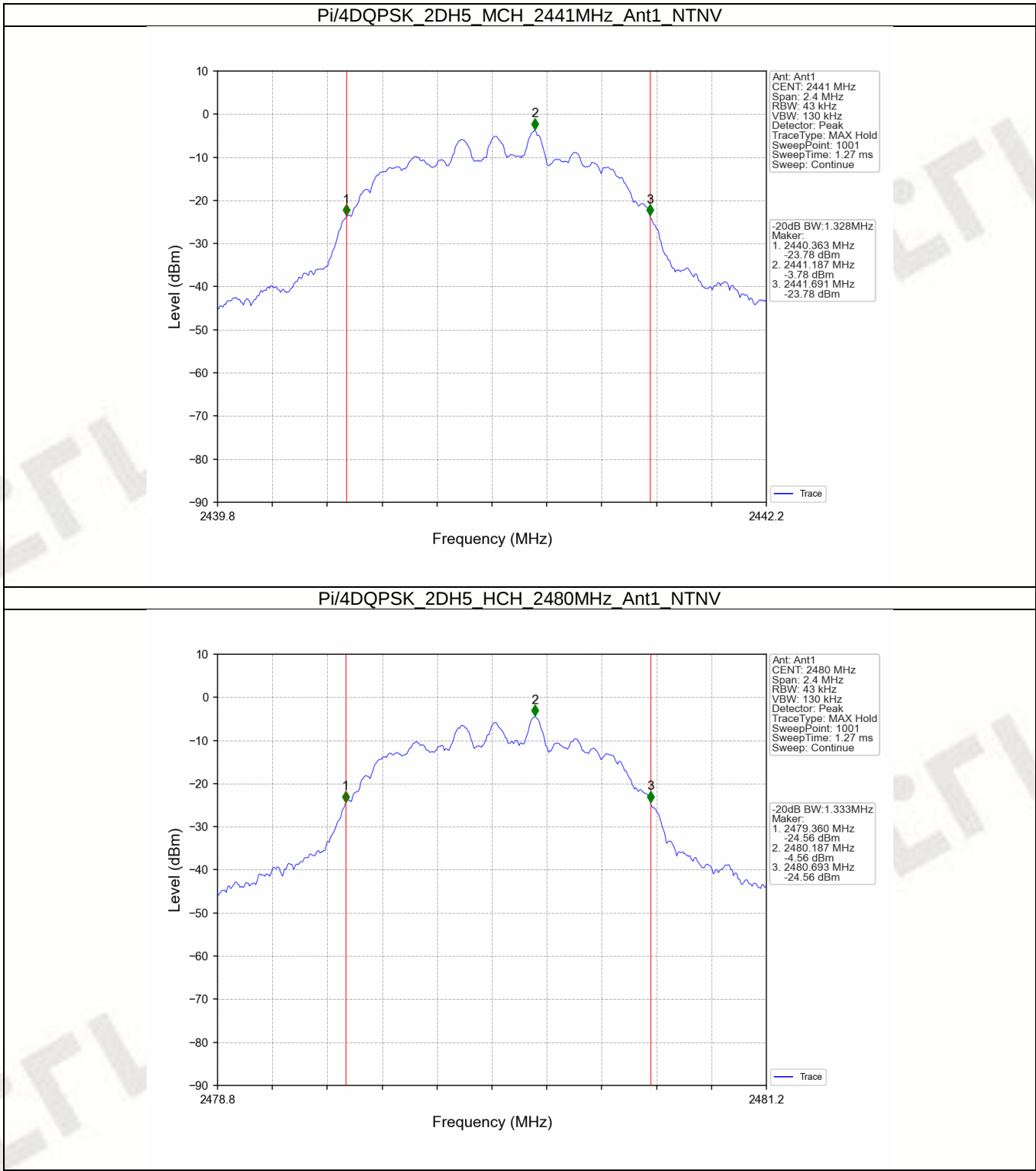
1.2.2 Test Graph



FCCID: 2AU4P-BTS206

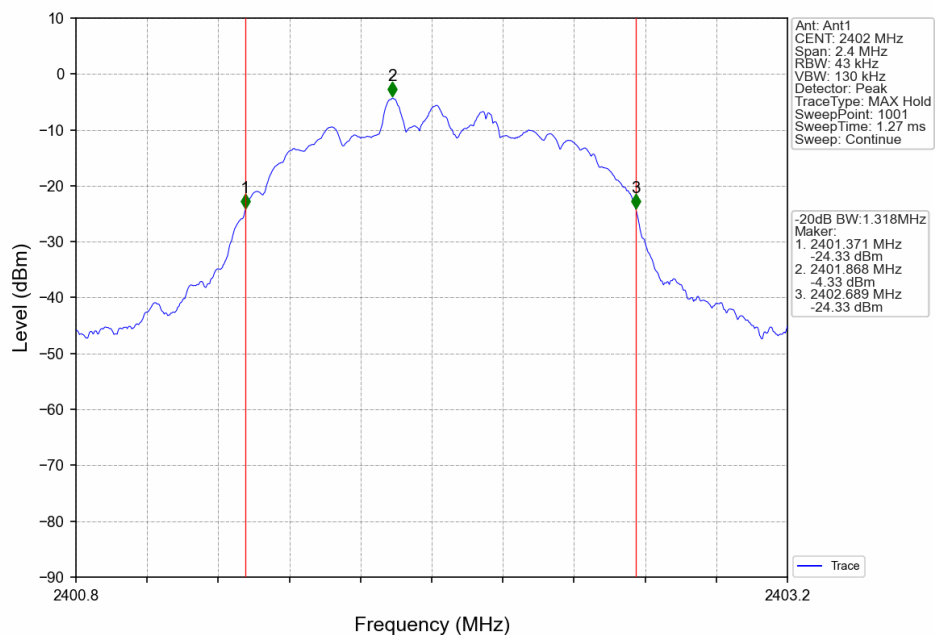


FCCID: 2AU4P-BTS206

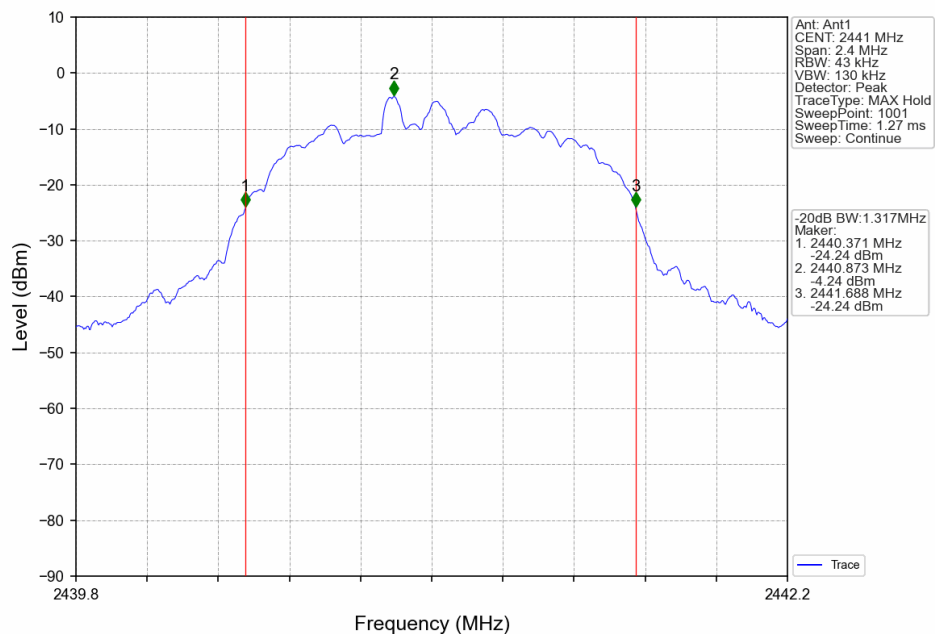


FCCID: 2AU4P-BTS206

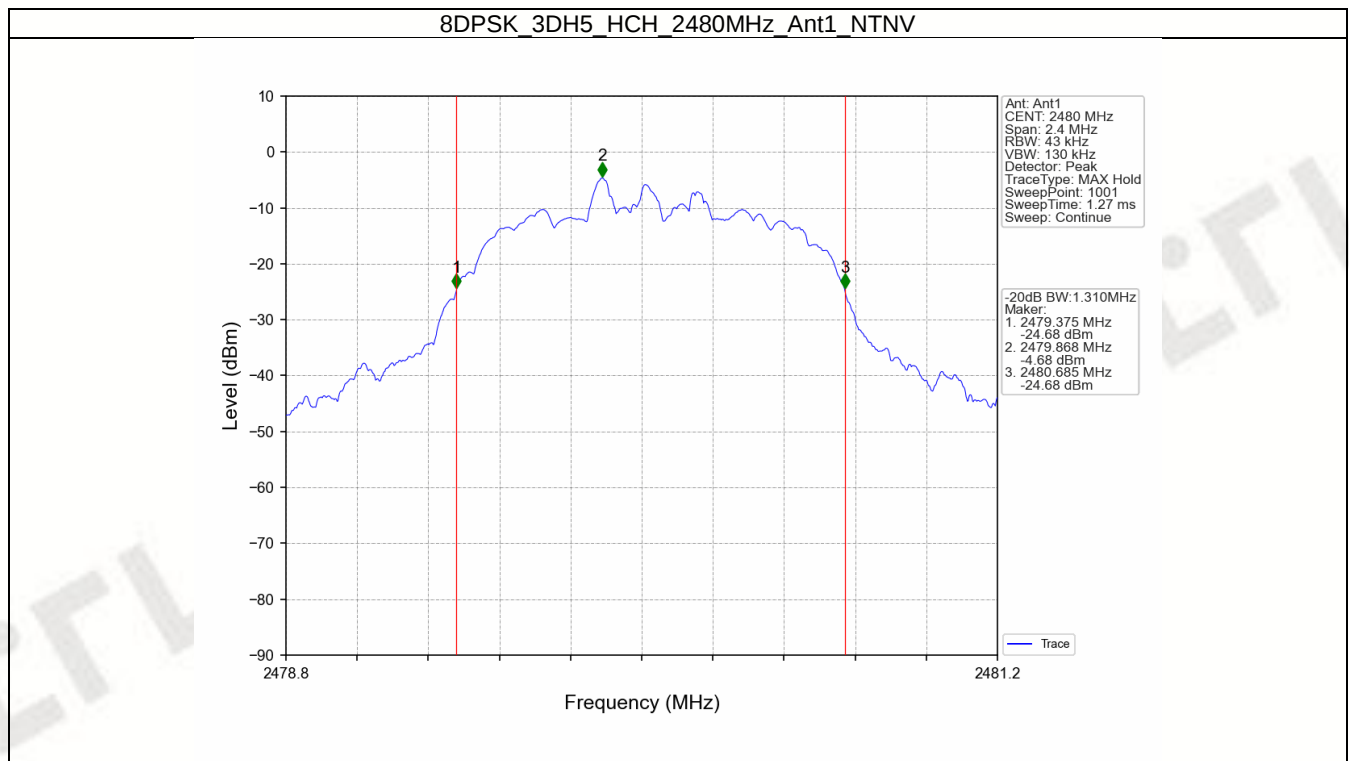
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



FCCID: 2AU4P-BTS206



2. Maximum Conducted Output Power

2.1 Power

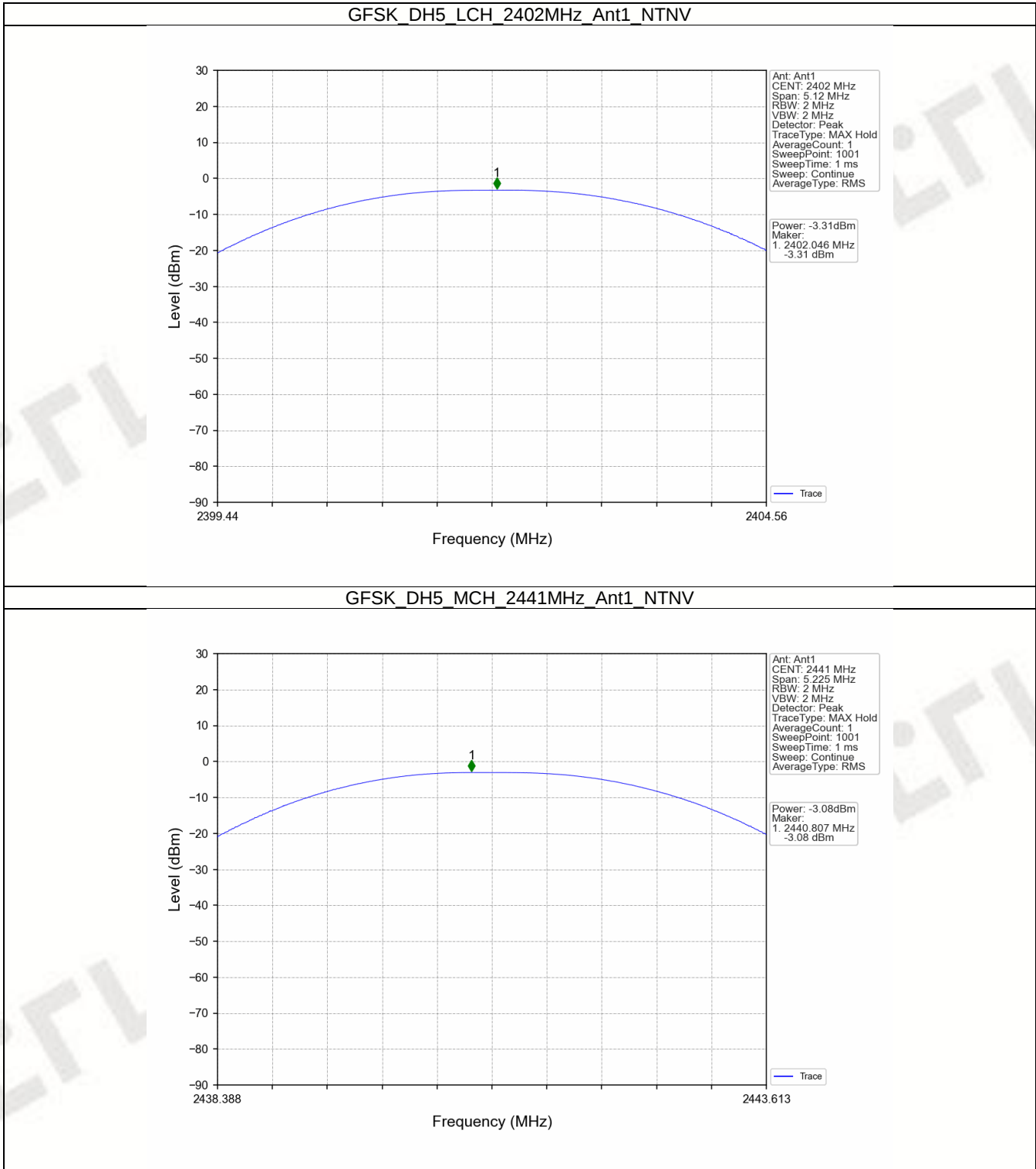
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-3.31	≤ 20.97	Pass
		2441	DH5	-3.08	≤ 20.97	Pass
		2480	DH5	-3.68	≤ 20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	-2.48	≤ 20.97	Pass
		2441	2DH5	-2.17	≤ 20.97	Pass
		2480	2DH5	-2.84	≤ 20.97	Pass
8DPSK	SISO	2402	3DH5	-2.02	≤ 20.97	Pass
		2441	3DH5	-1.78	≤ 20.97	Pass
		2480	3DH5	-2.40	≤ 20.97	Pass

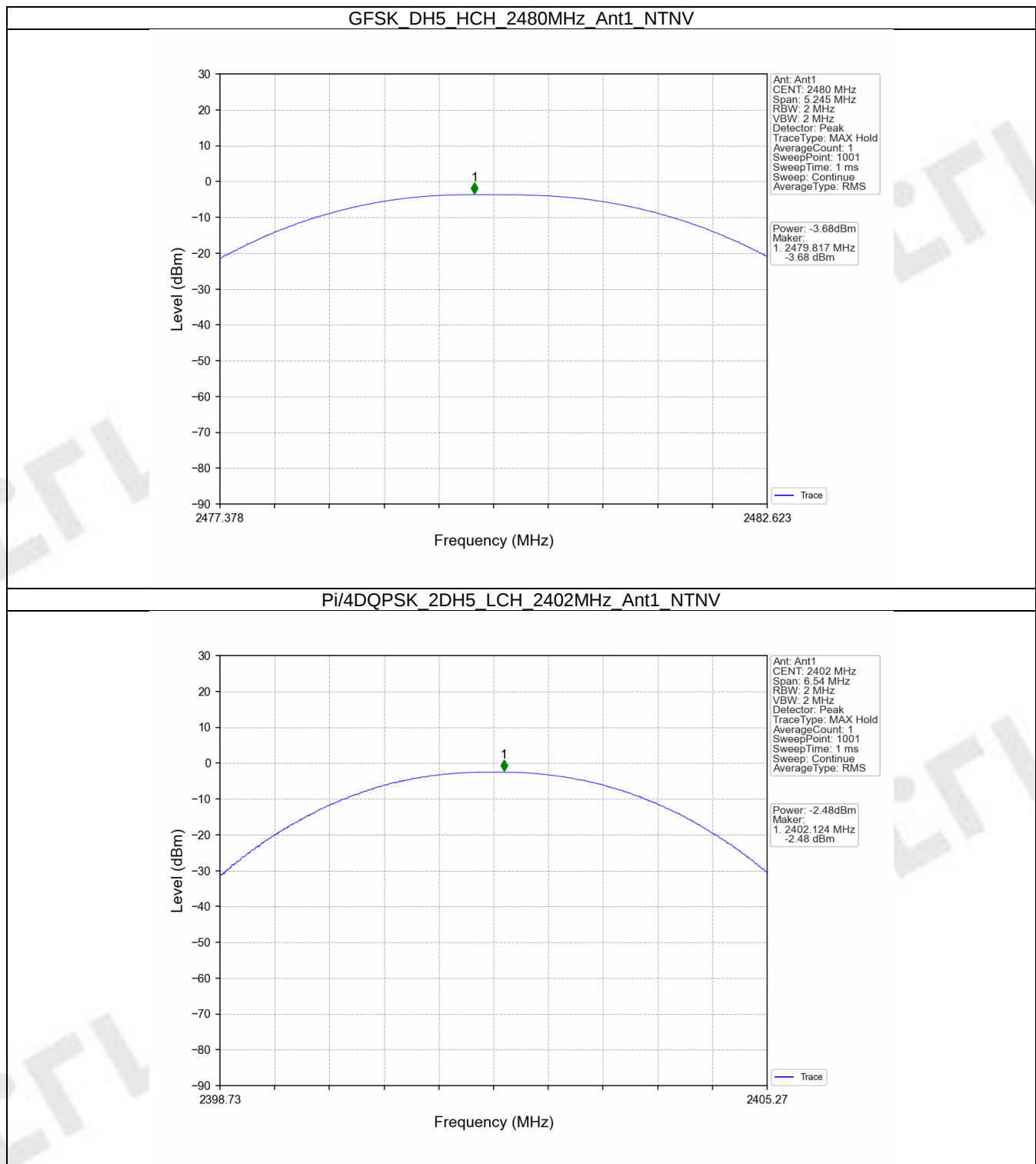
Note1: Antenna Gain: Ant1: -0.58dBi;

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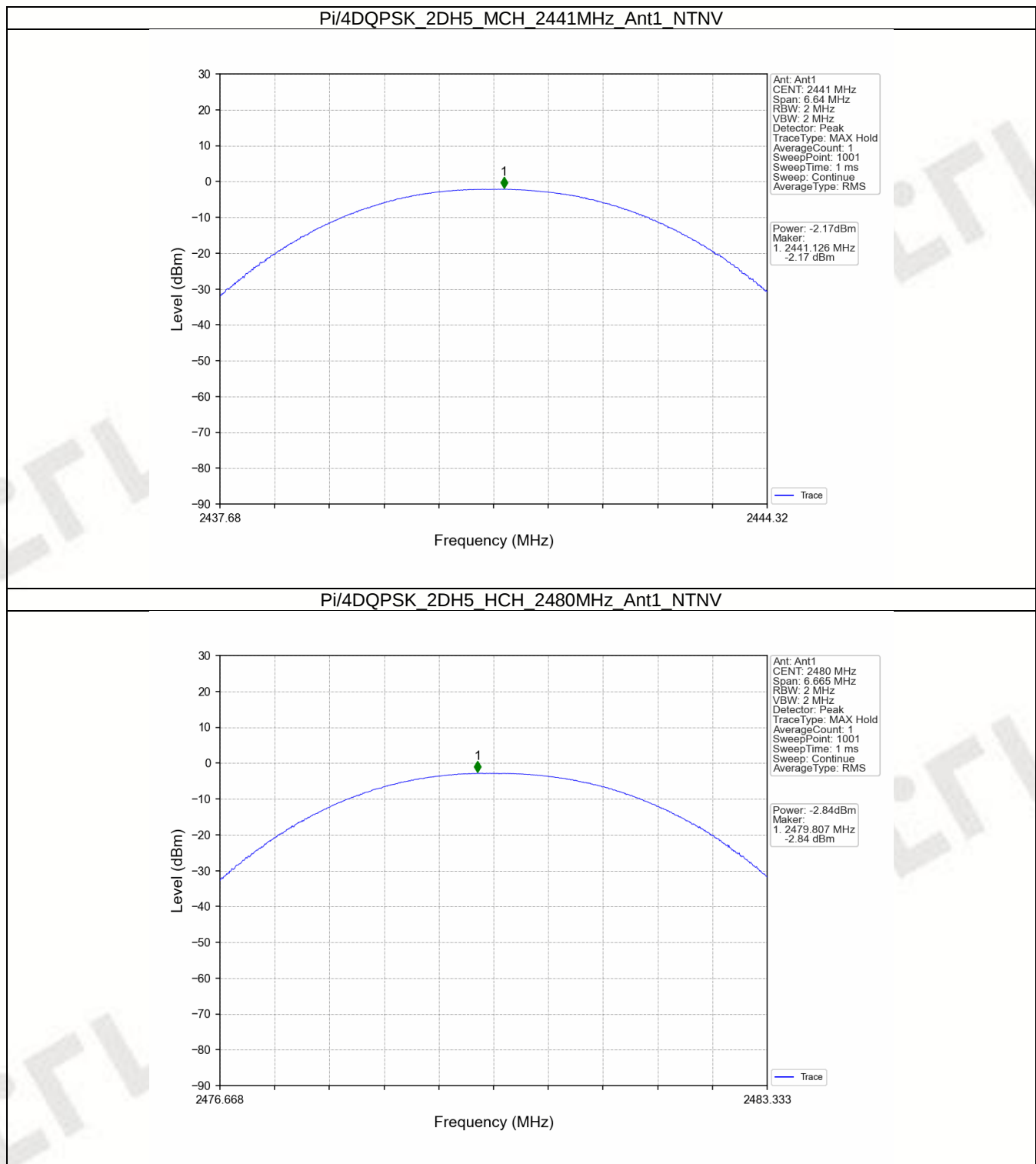
2.1.2 Test Graph



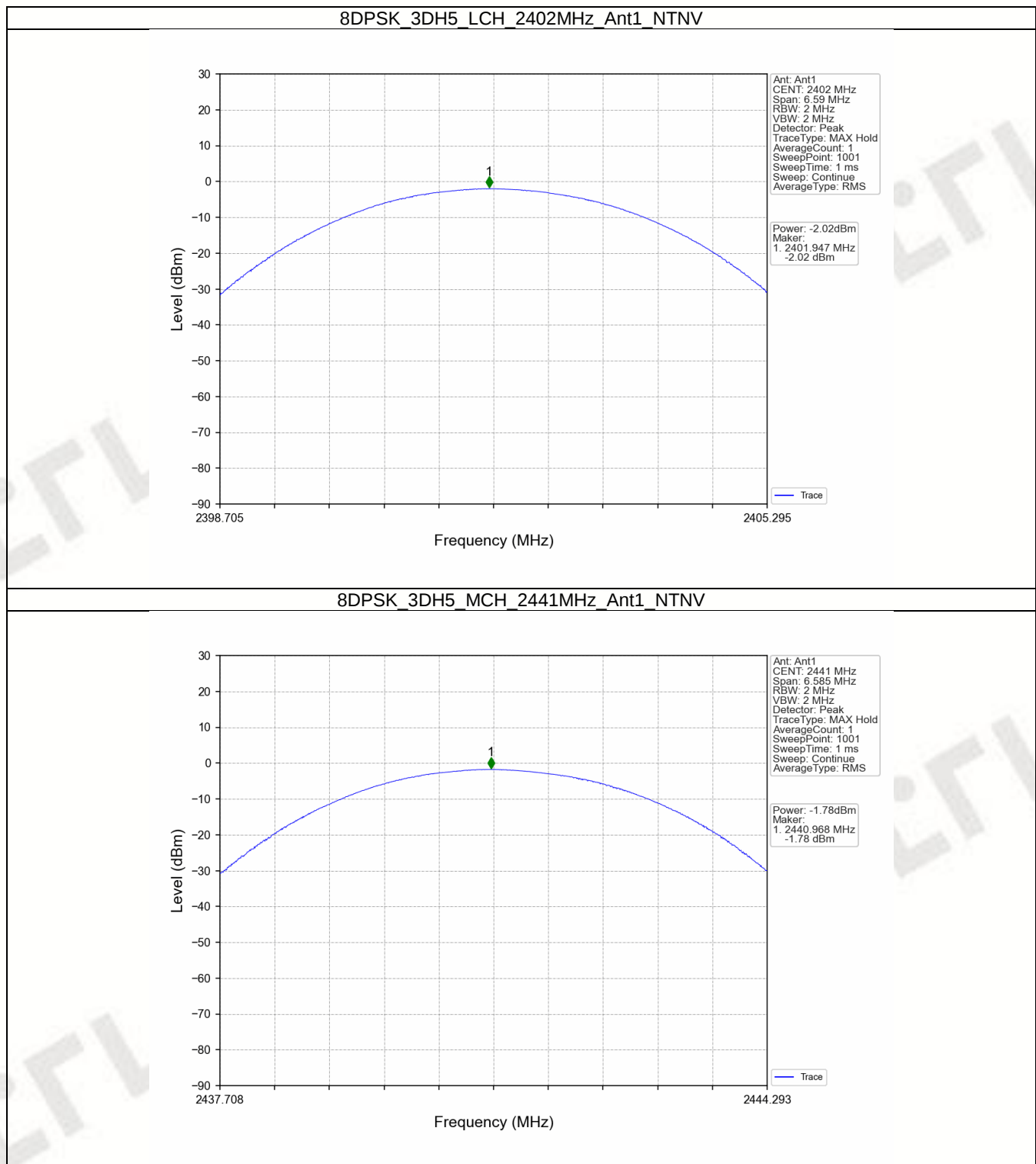
FCCID: 2AU4P-BTS206



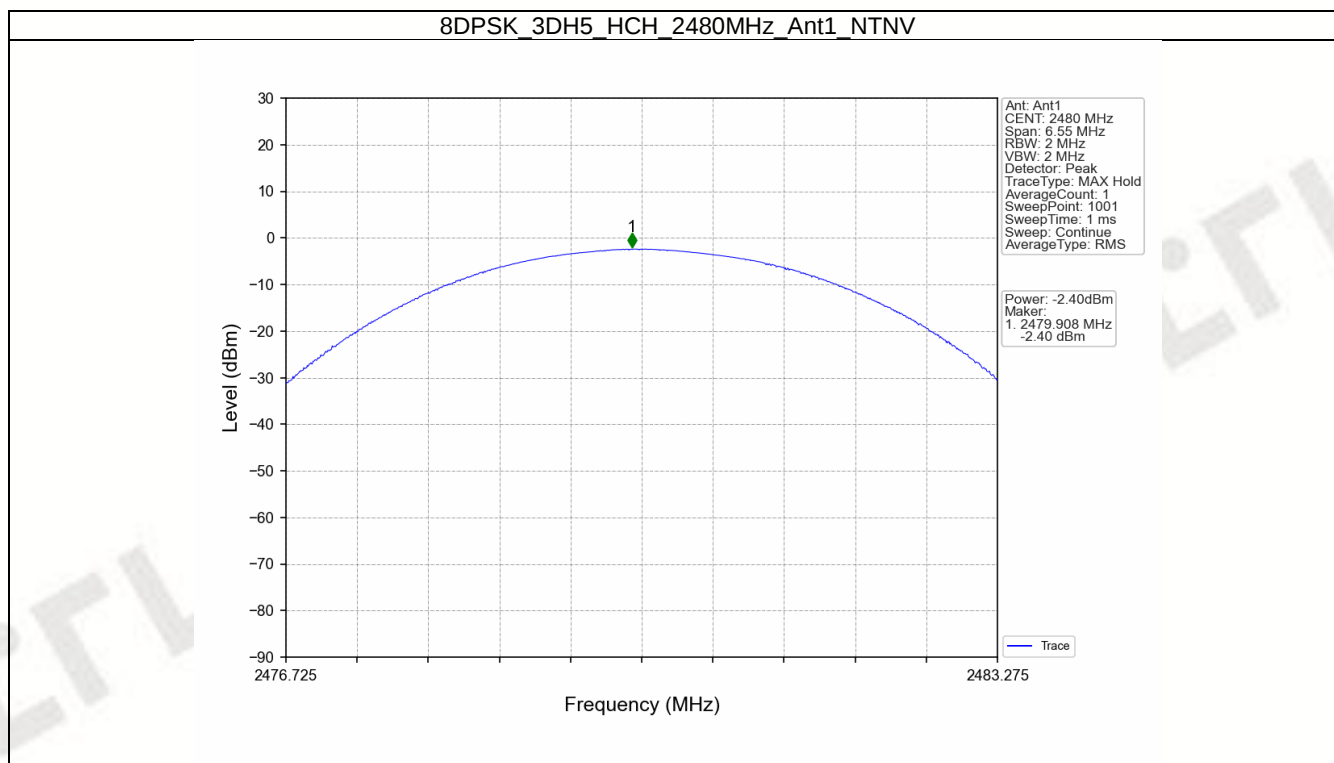
FCCID: 2AU4P-BTS206



FCCID: 2AU4P-BTS206



FCCID: 2AU4P-BTS206



3. Carrier Frequency Separation

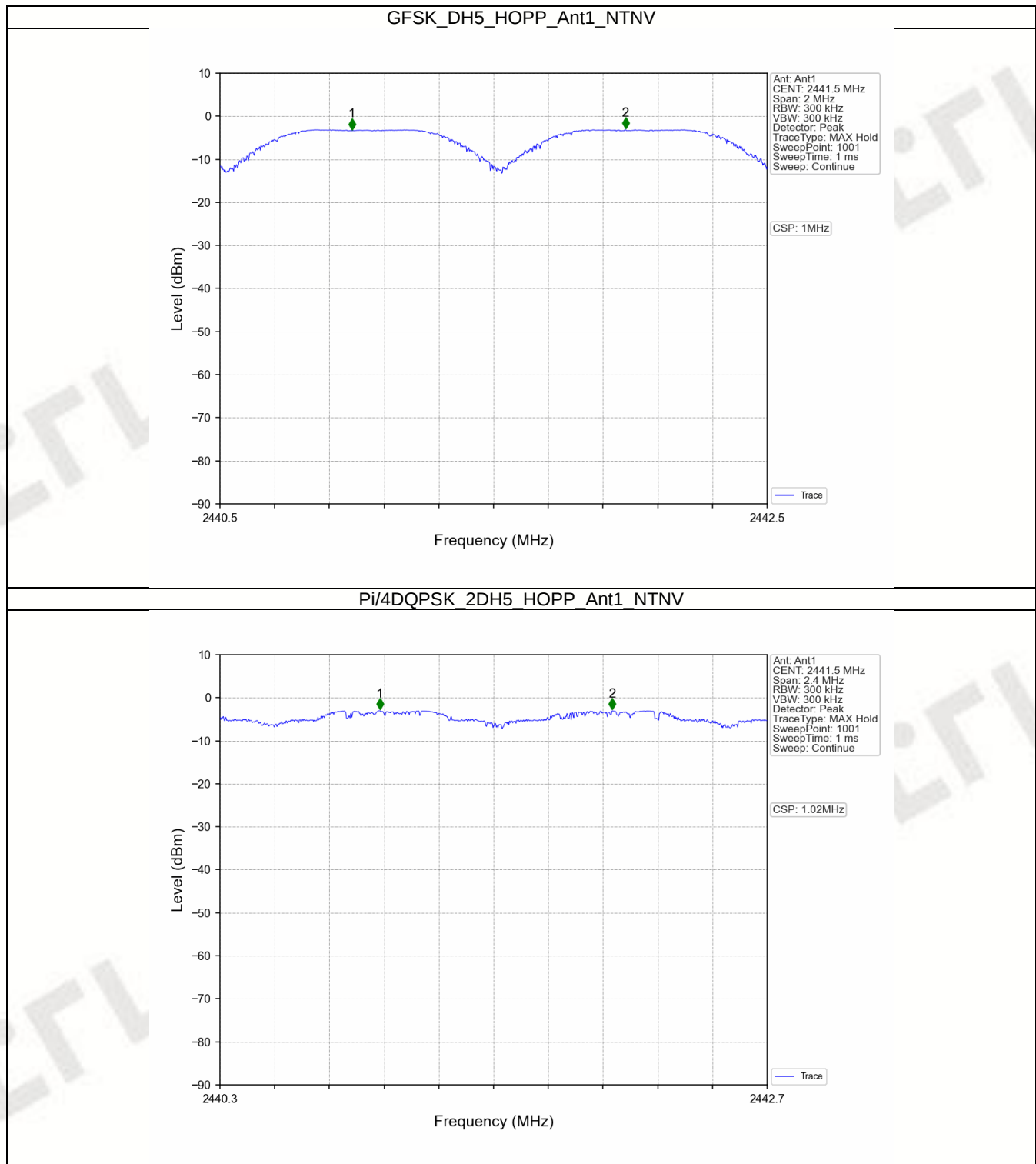
3.1 Ant1

3.1.1 Test Result

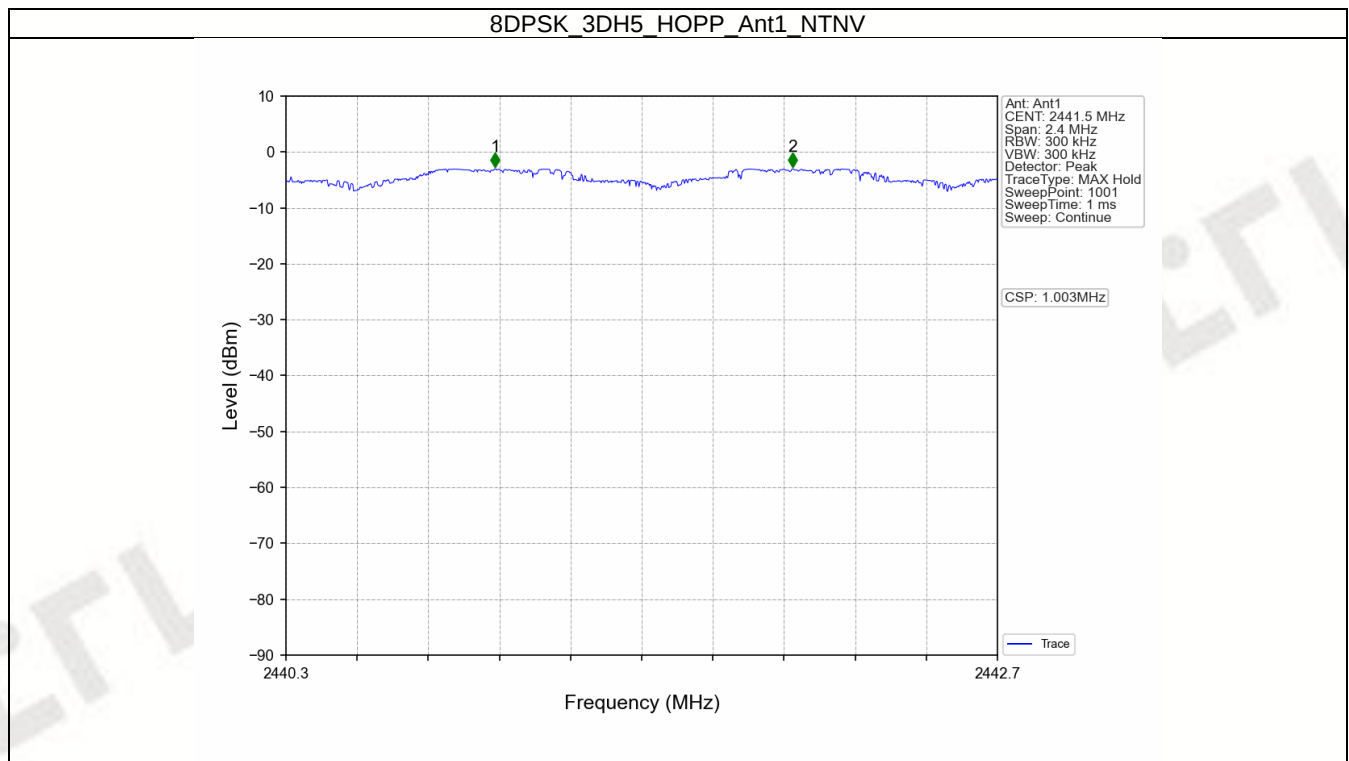
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	1.049	≥ 0.699	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.020	1.333	≥ 0.889	Pass
8DPSK	SISO	HOPP	3DH5	1.003	1.318	≥ 0.879	Pass

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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

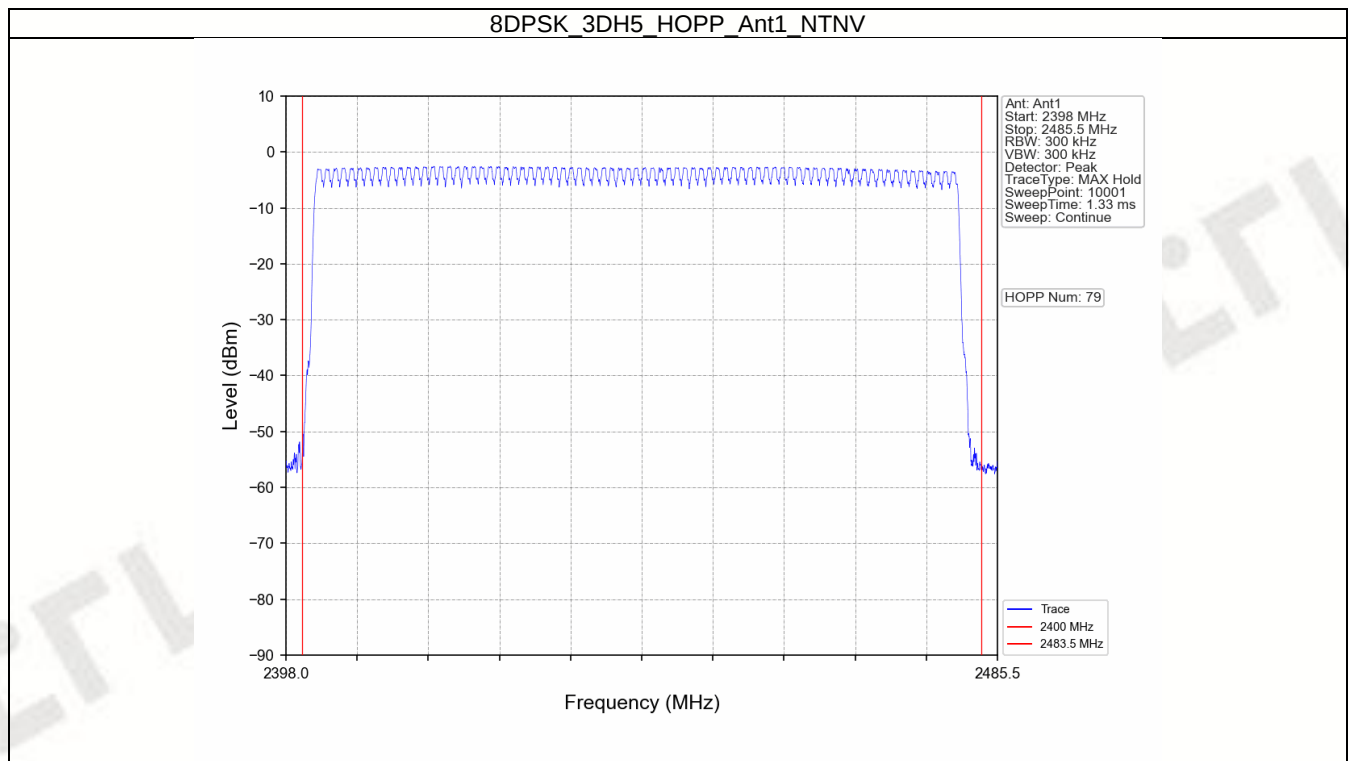
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
PI/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

FCCID: 2AU4P-BTS206

4.1.2 Test Graph



FCCID: 2AU4P-BTS206



5. Time of Occupancy (Dwell Time)

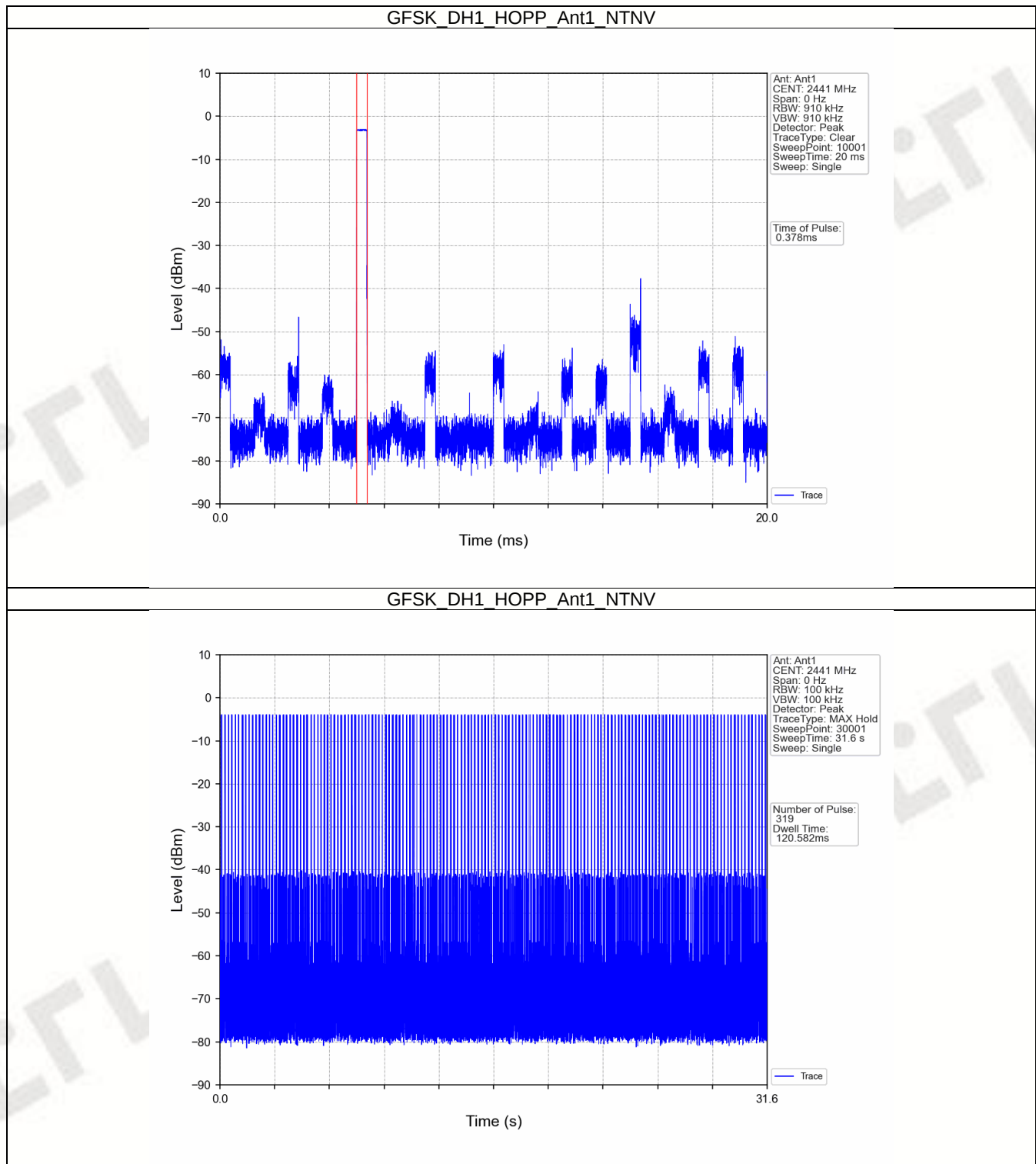
5.1 Ant1

5.1.1 Test Result

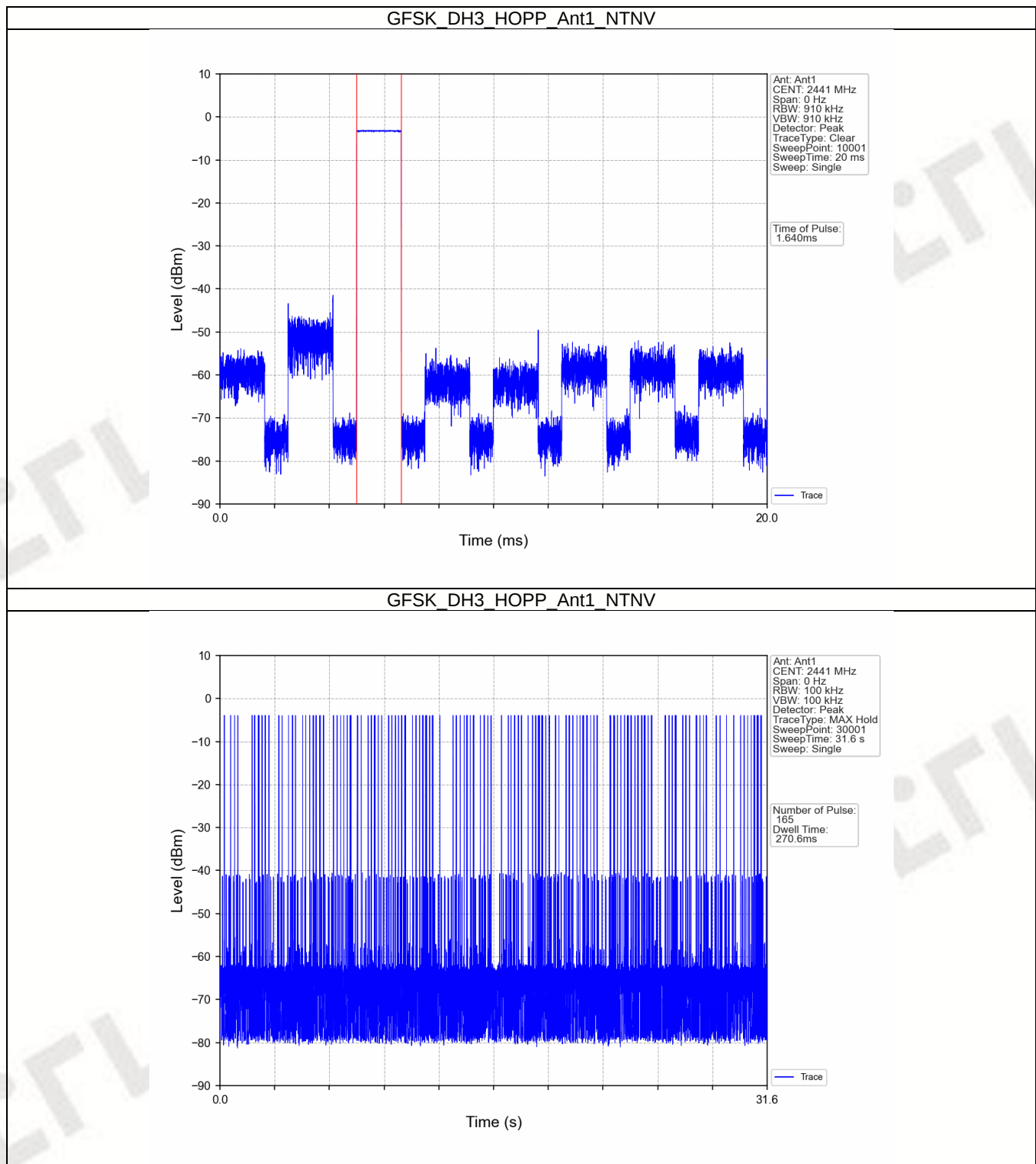
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.378	31.600	319	120.582	<=400	Pass
			DH3	1.640	31.600	165	270.600	<=400	Pass
			DH5	2.884	31.600	103	297.052	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	315	122.220	<=400	Pass
			2DH3	1.646	31.600	167	274.882	<=400	Pass
			2DH5	2.896	31.600	96	278.016	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.640	31.600	156	255.840	<=400	Pass
			3DH5	2.898	31.600	110	318.780	<=400	Pass

FCCID: 2AU4P-BTS206

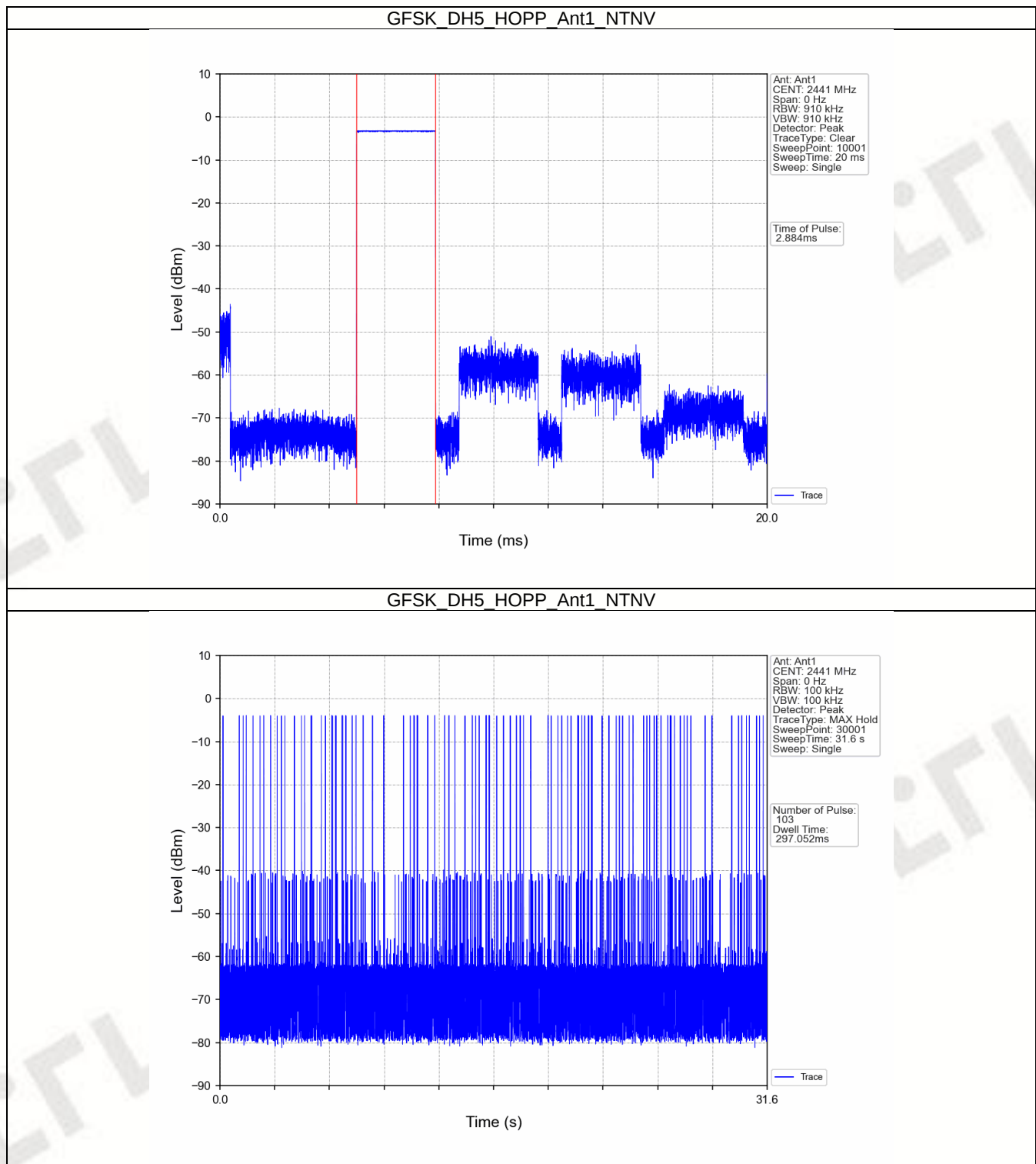
5.1.2 Test Graph



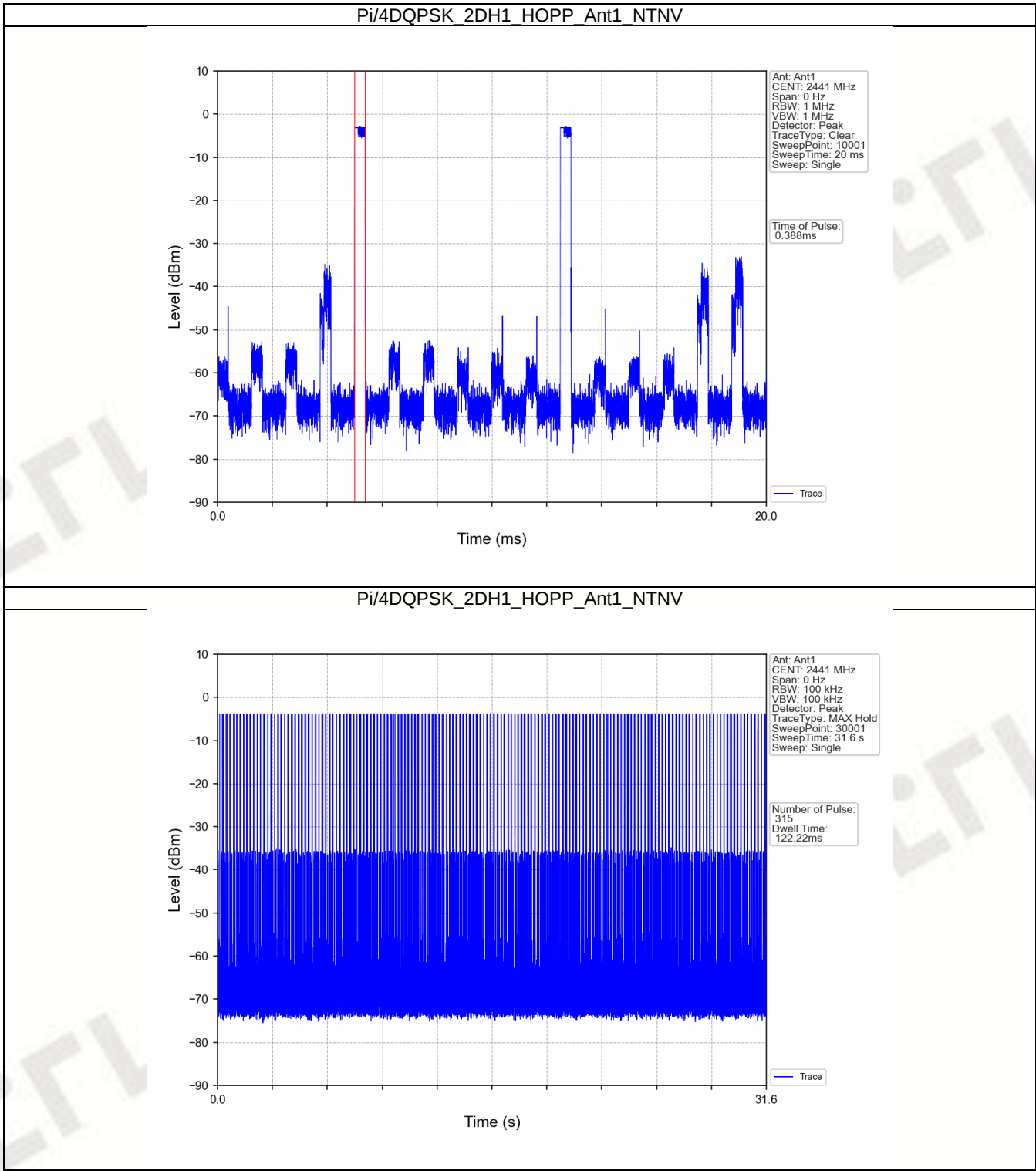
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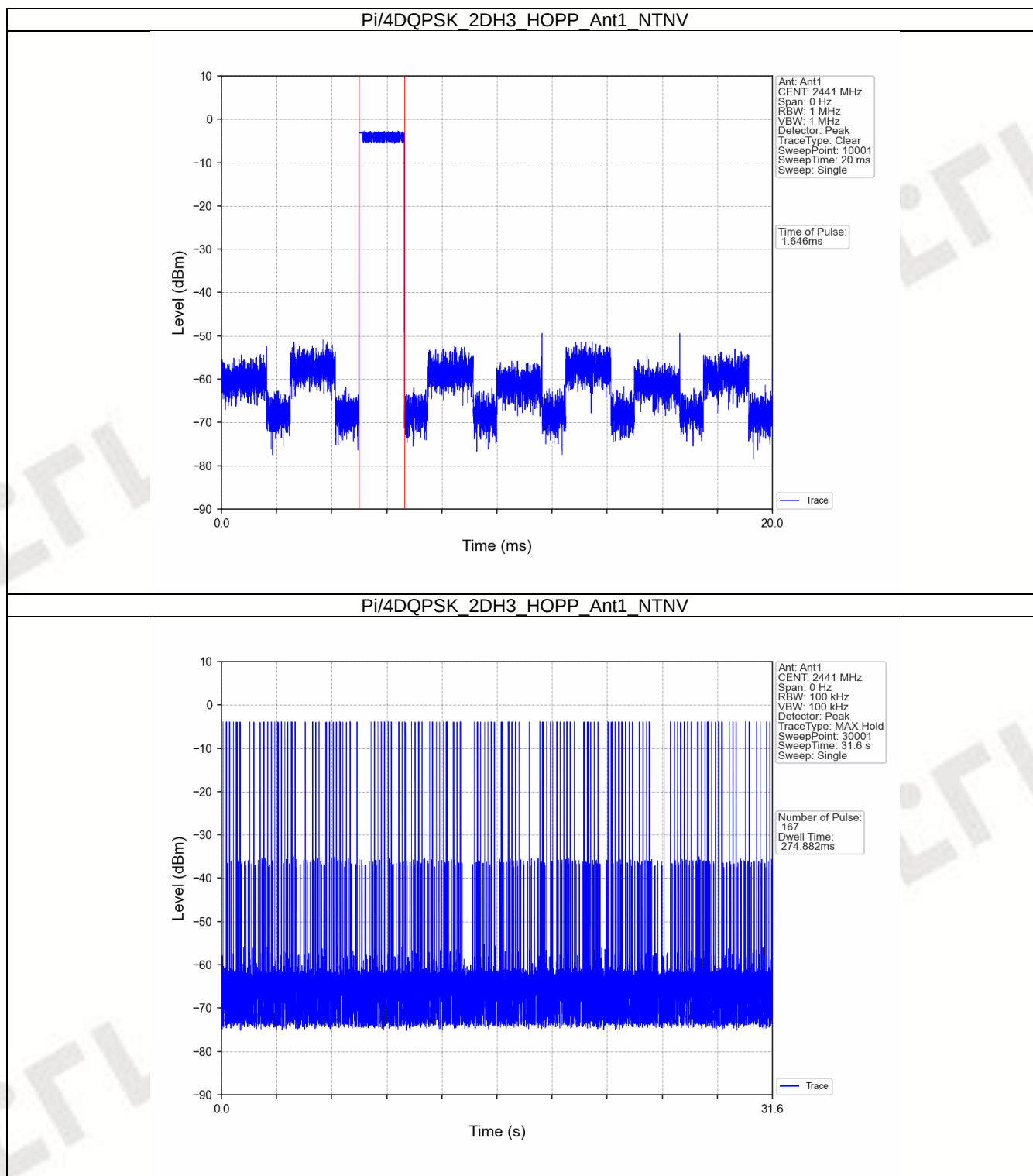
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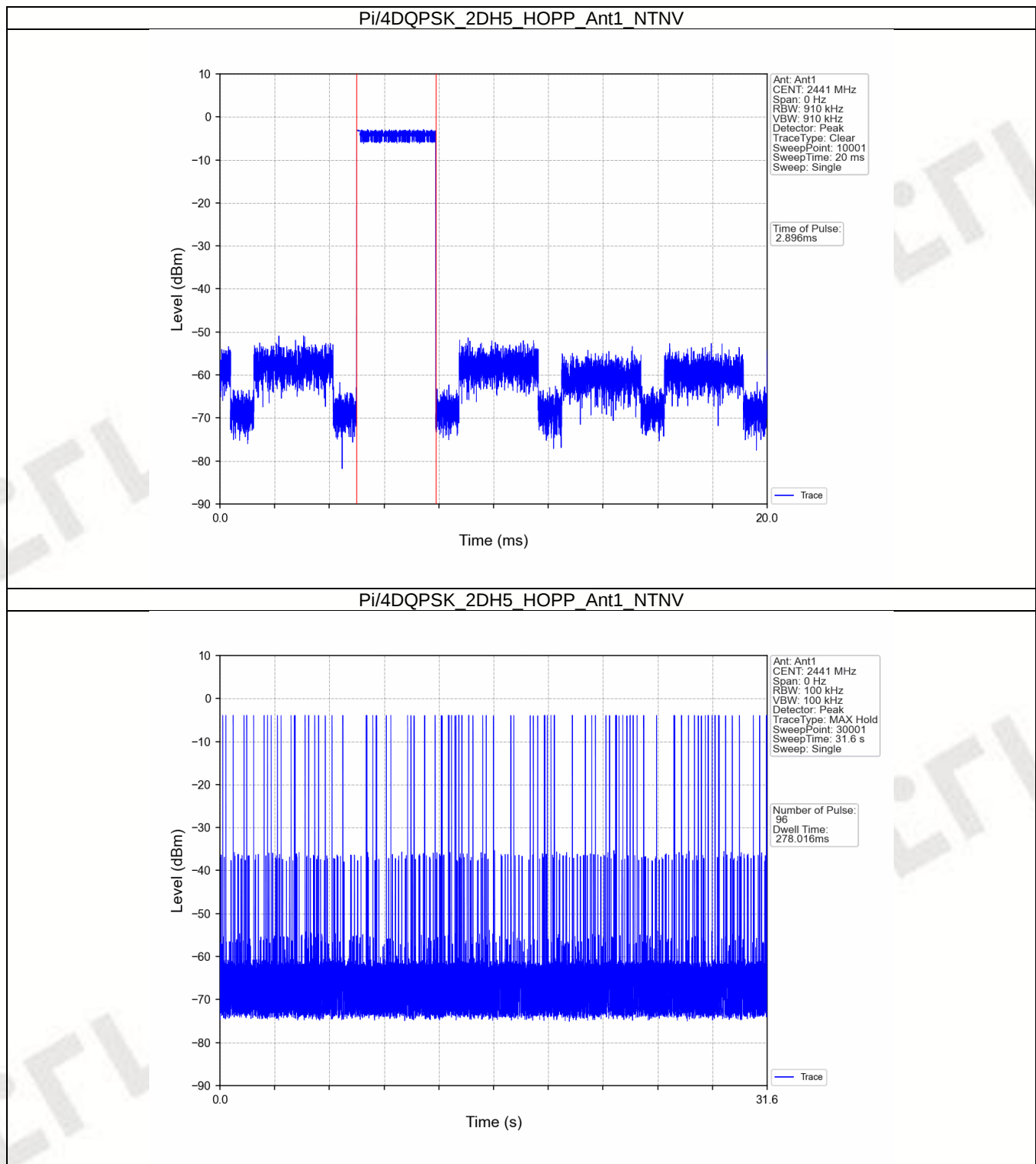
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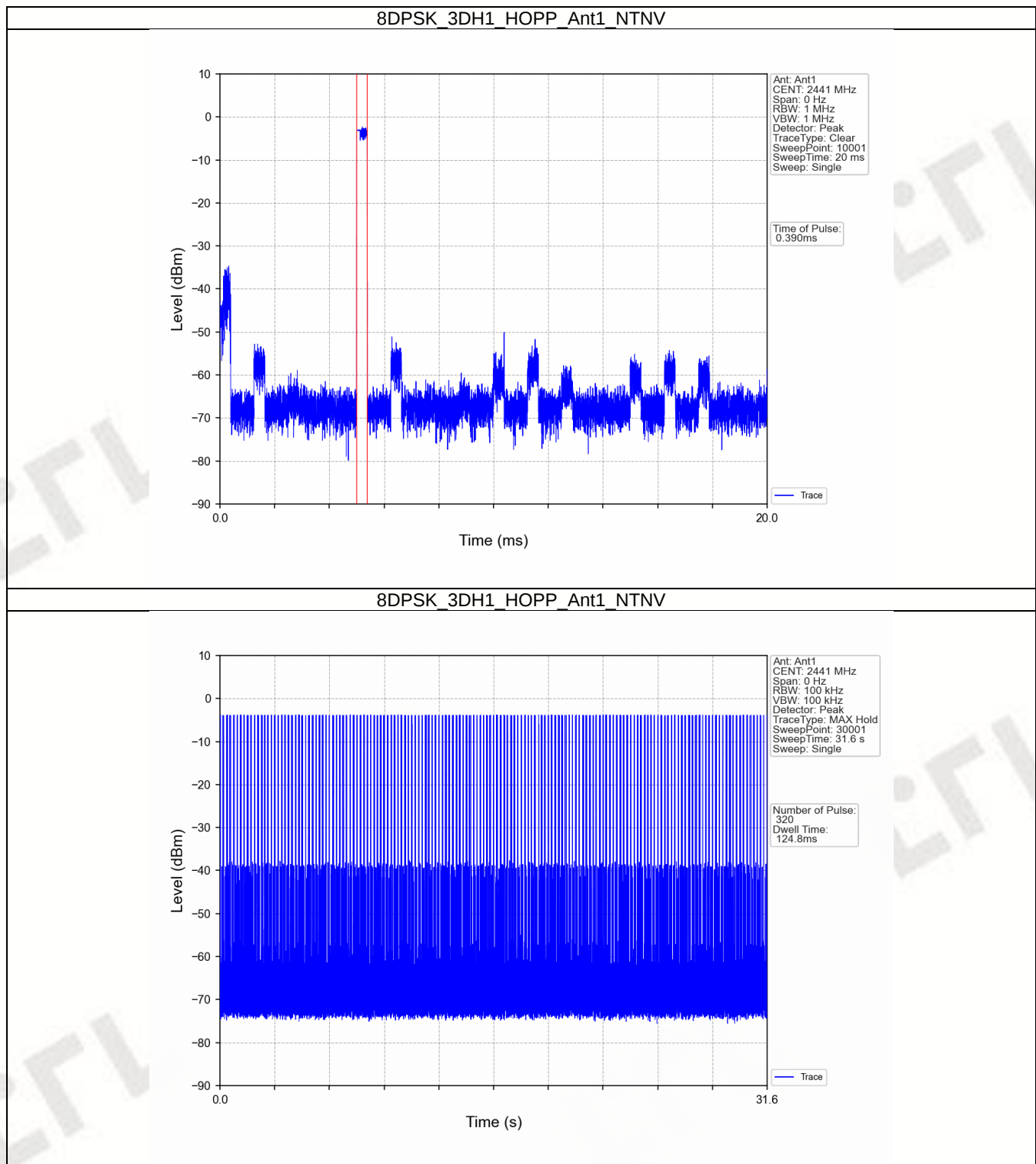
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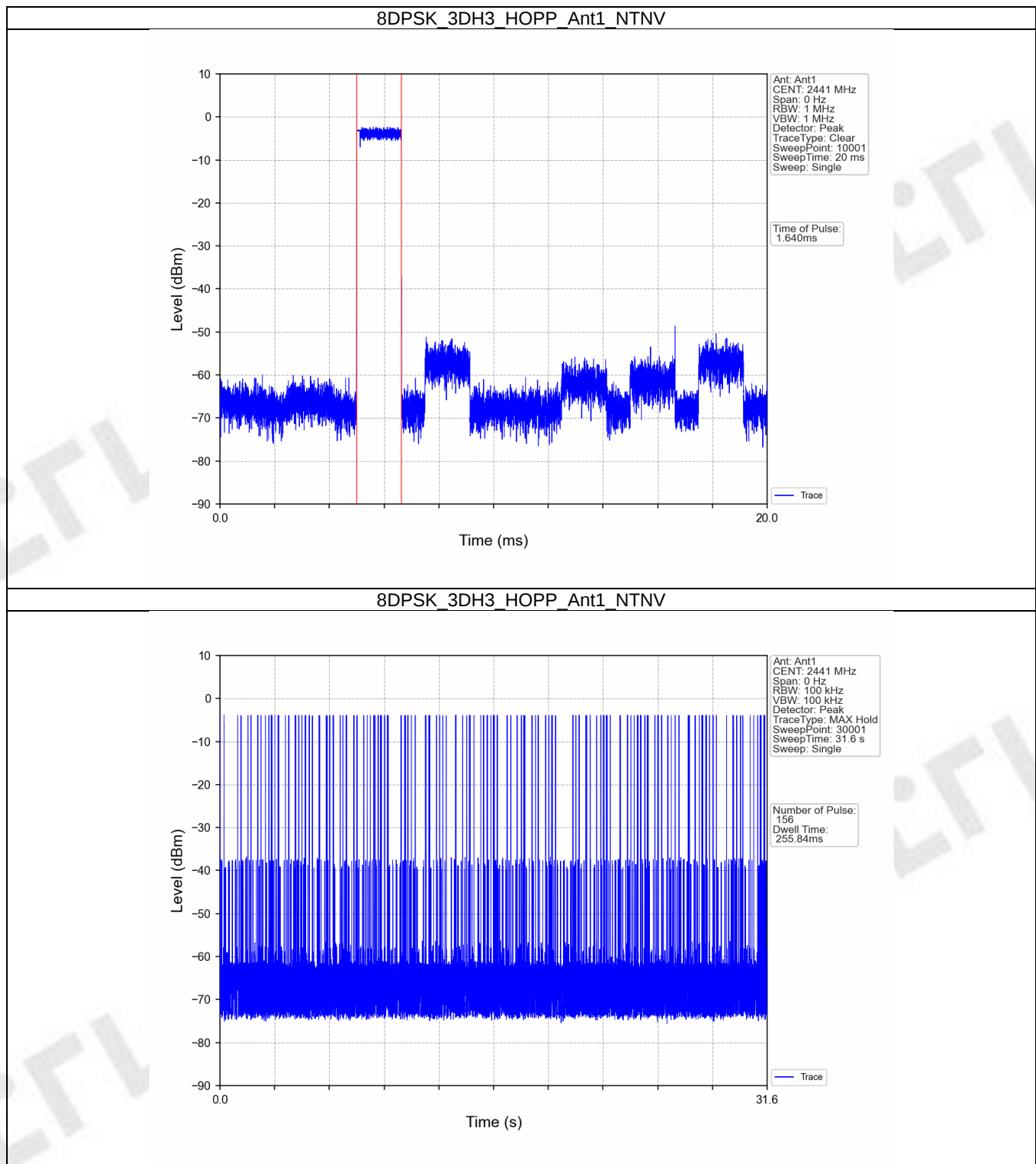
FCCID: 2AU4P-BTS206



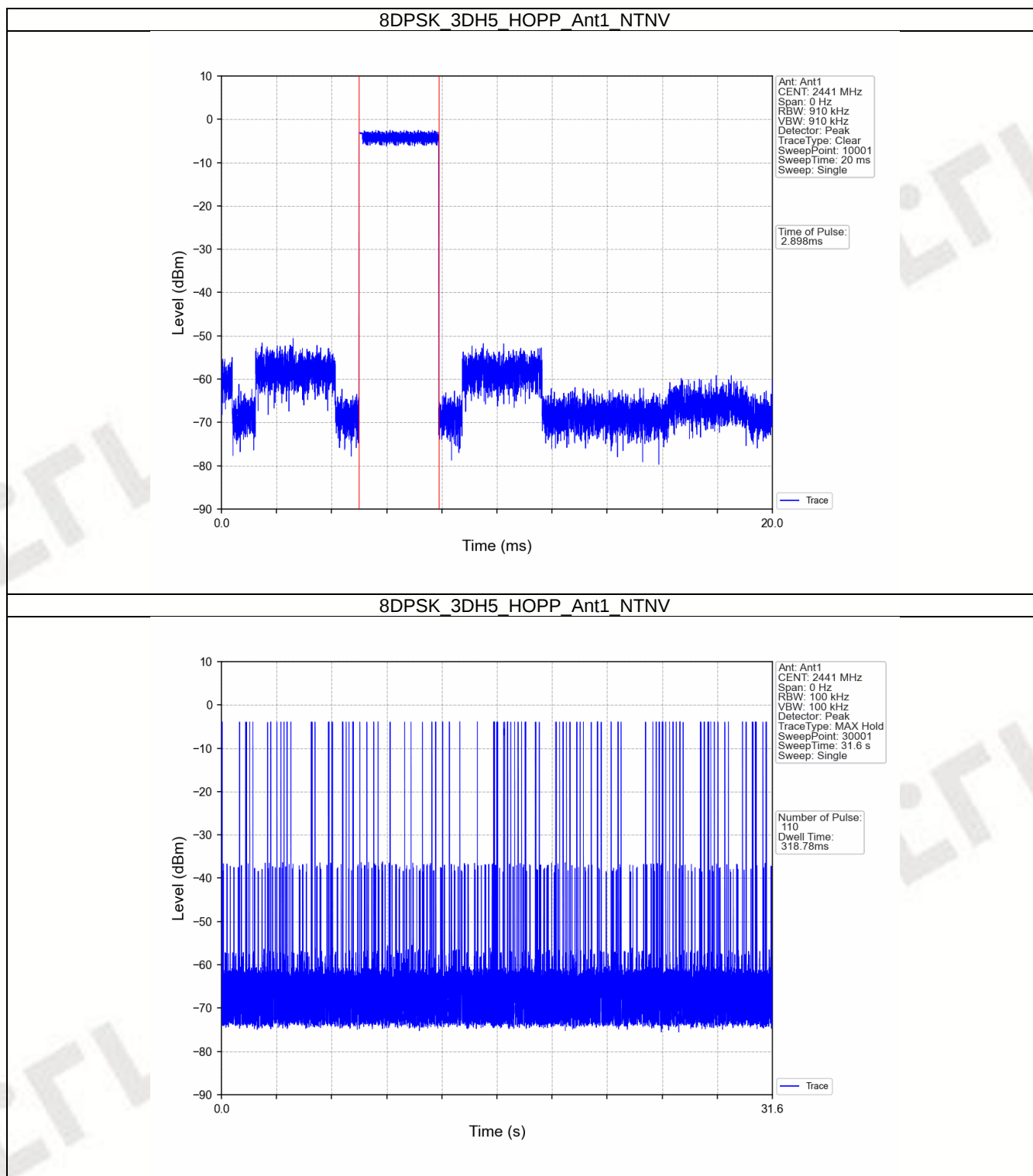
FCCID: 2AU4P-BTS206



FCCID: 2AU4P-BTS206



FCCID: 2AU4P-BTS206



6. Unwanted Emissions In Non-restricted Frequency Bands

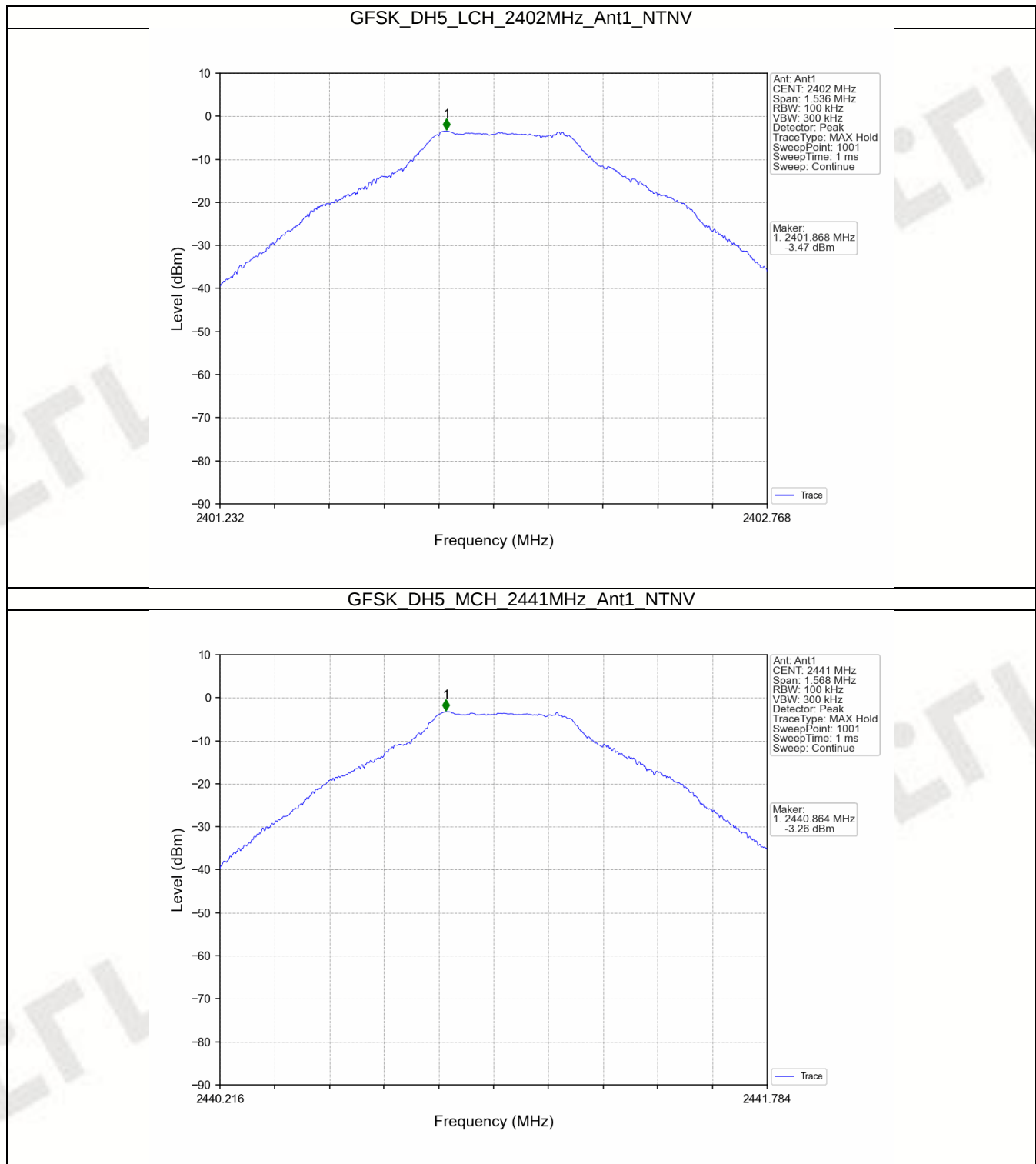
6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-3.47
		2441	DH5	1	-3.26
		2480	DH5	1	-3.91
Pi/4DQPSK	SISO	2402	2DH5	1	-3.45
		2441	2DH5	1	-3.16
		2480	2DH5	1	-3.91
8DPSK	SISO	2402	3DH5	1	-3.38
		2441	3DH5	1	-3.16
		2480	3DH5	1	-3.86
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.					

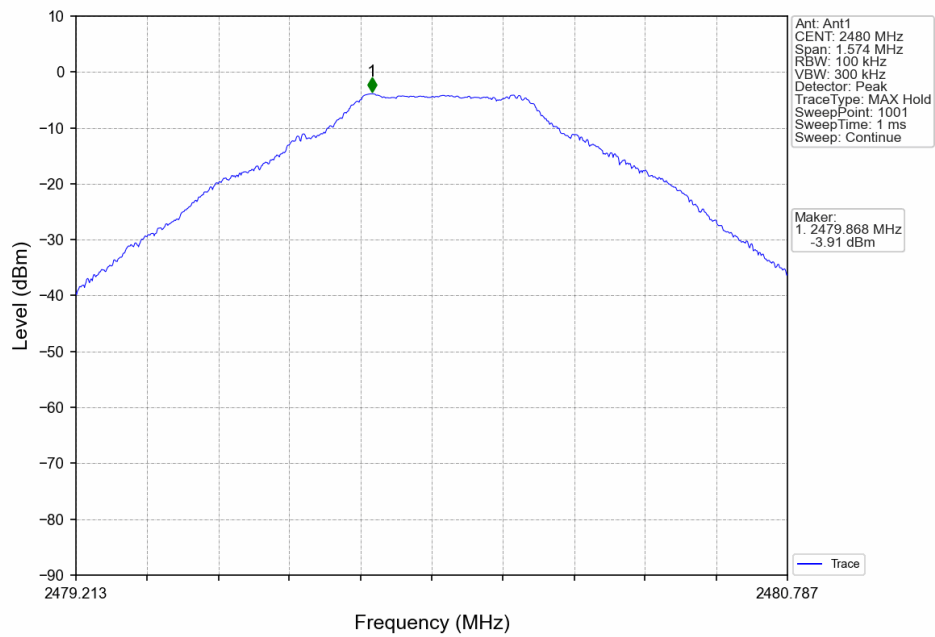
FCCID: 2AU4P-BTS206

6.1.2 Test Graph

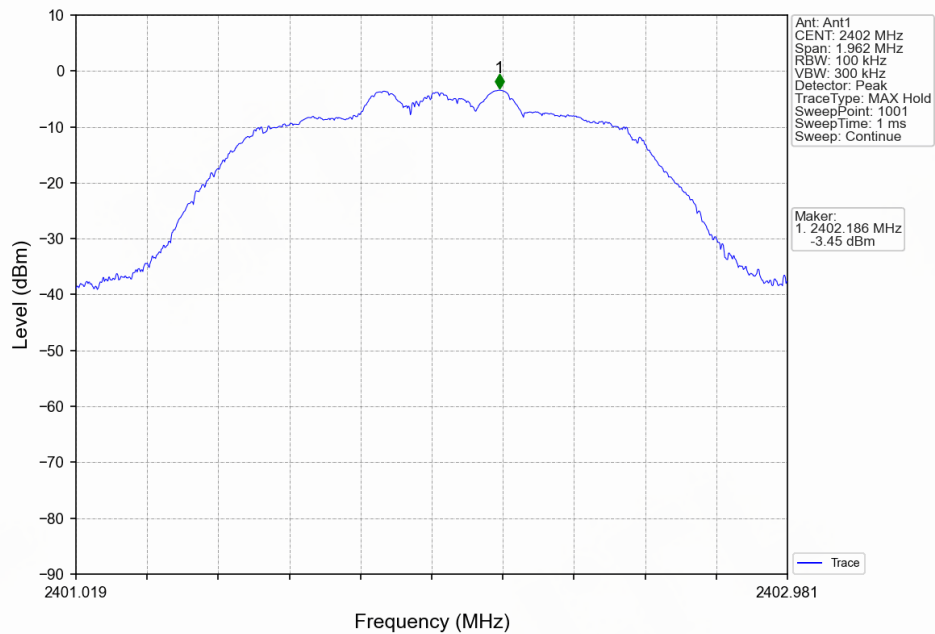


FCCID: 2AU4P-BTS206

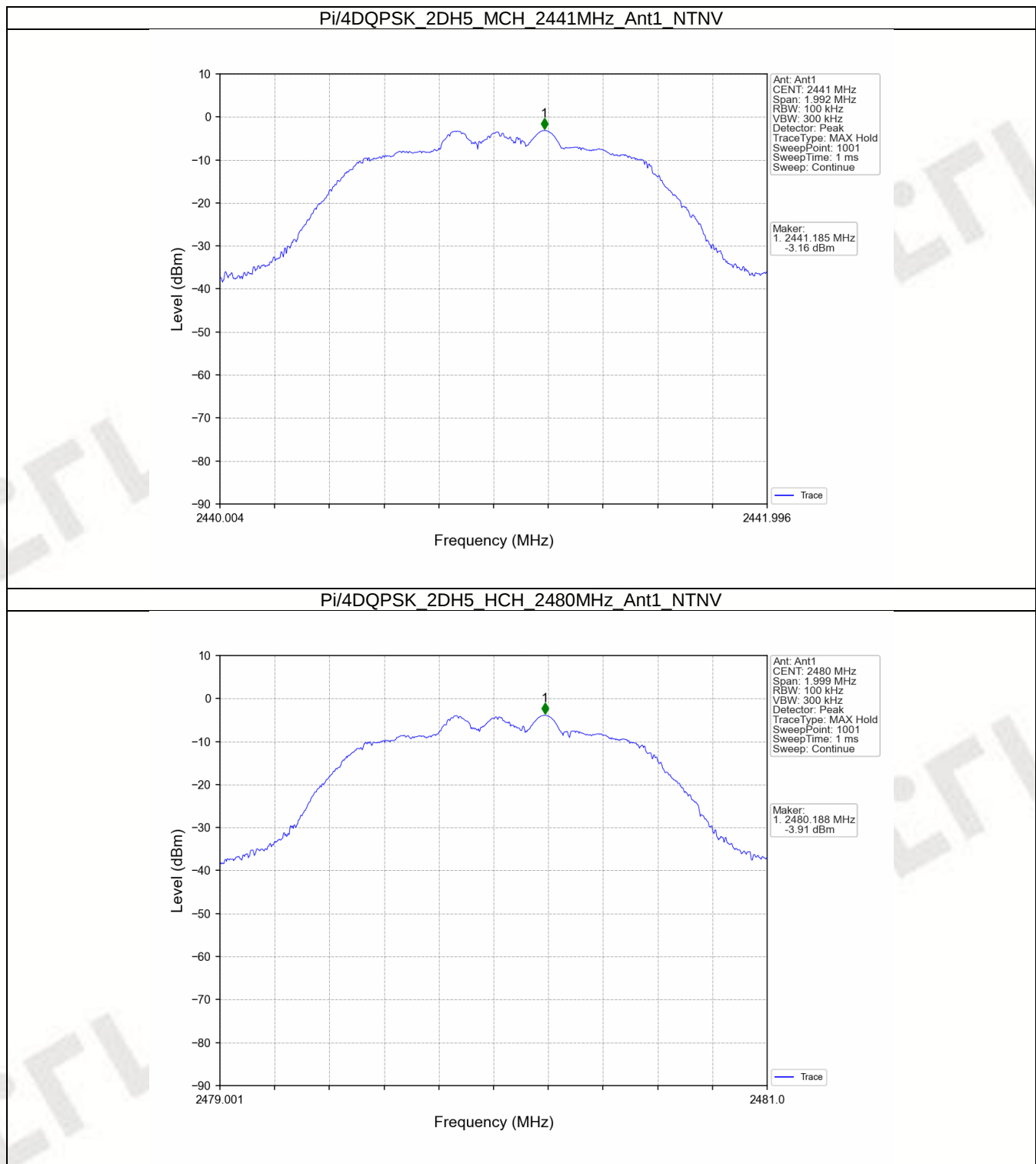
GFSK DH5 HCH 2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

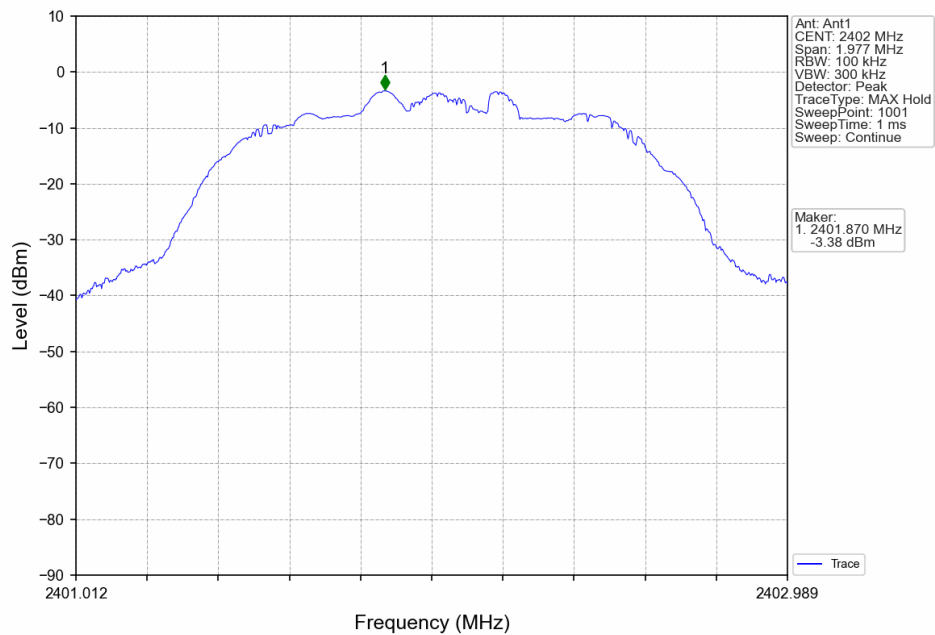


FCCID: 2AU4P-BTS206

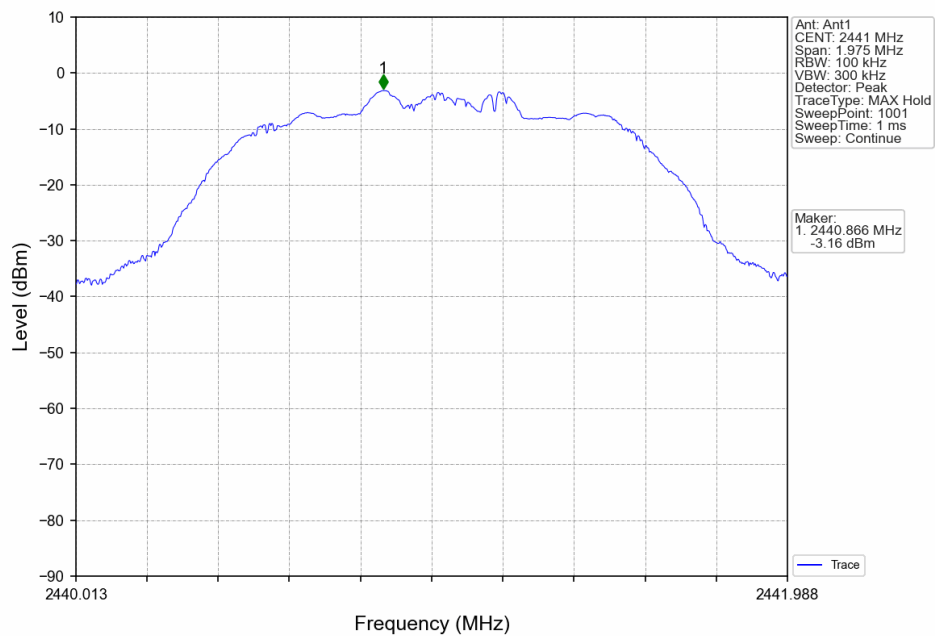


FCCID: 2AU4P-BTS206

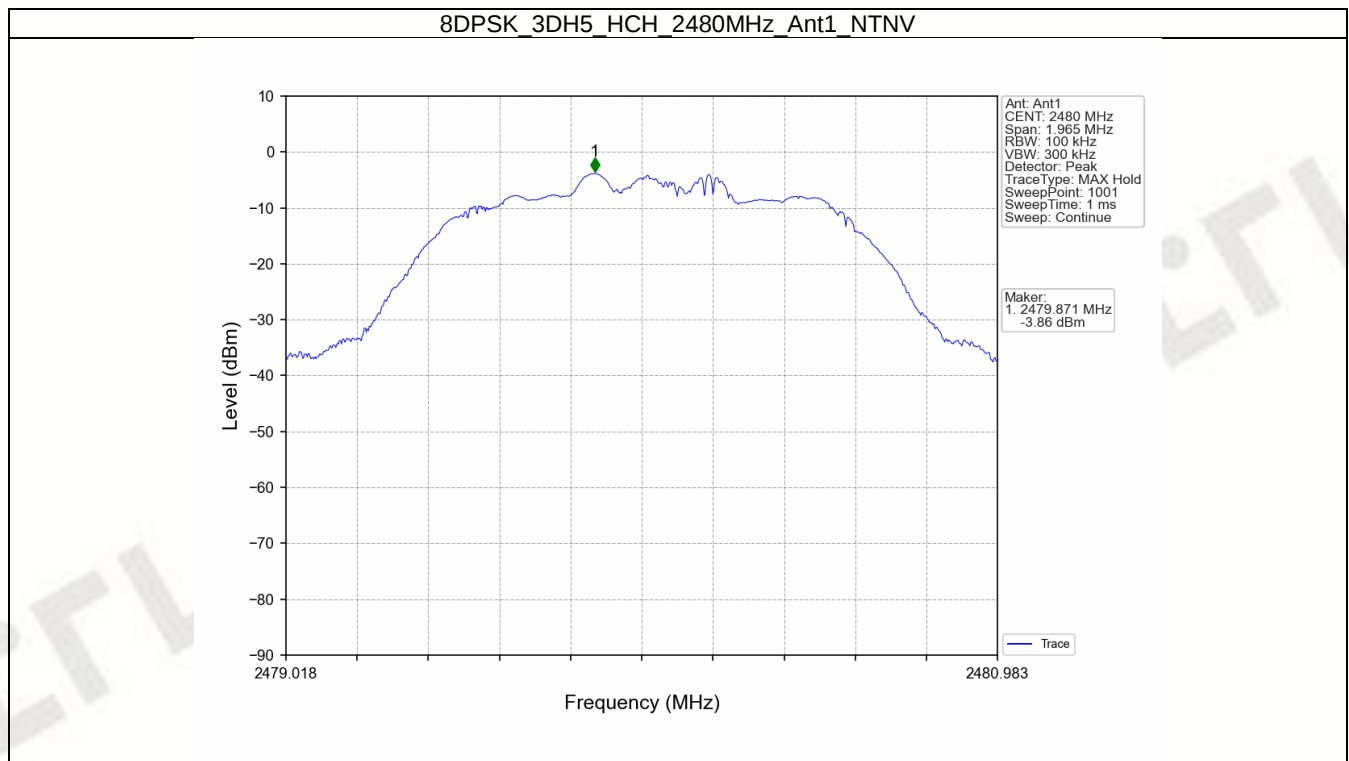
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



FCCID: 2AU4P-BTS206



FCCID: 2AU4P-BTS206

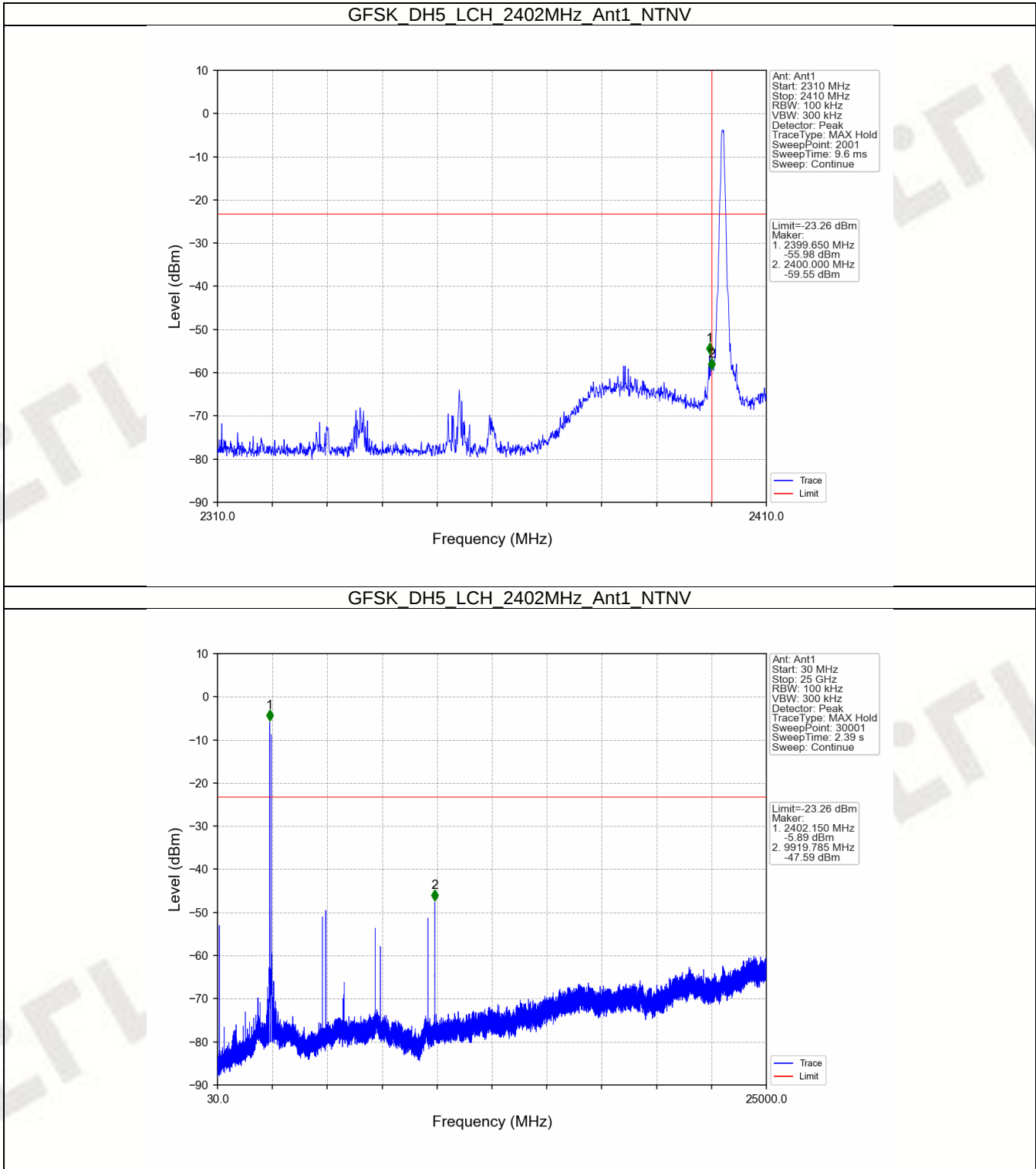
6.2 CSE

6.2.1 Test Result

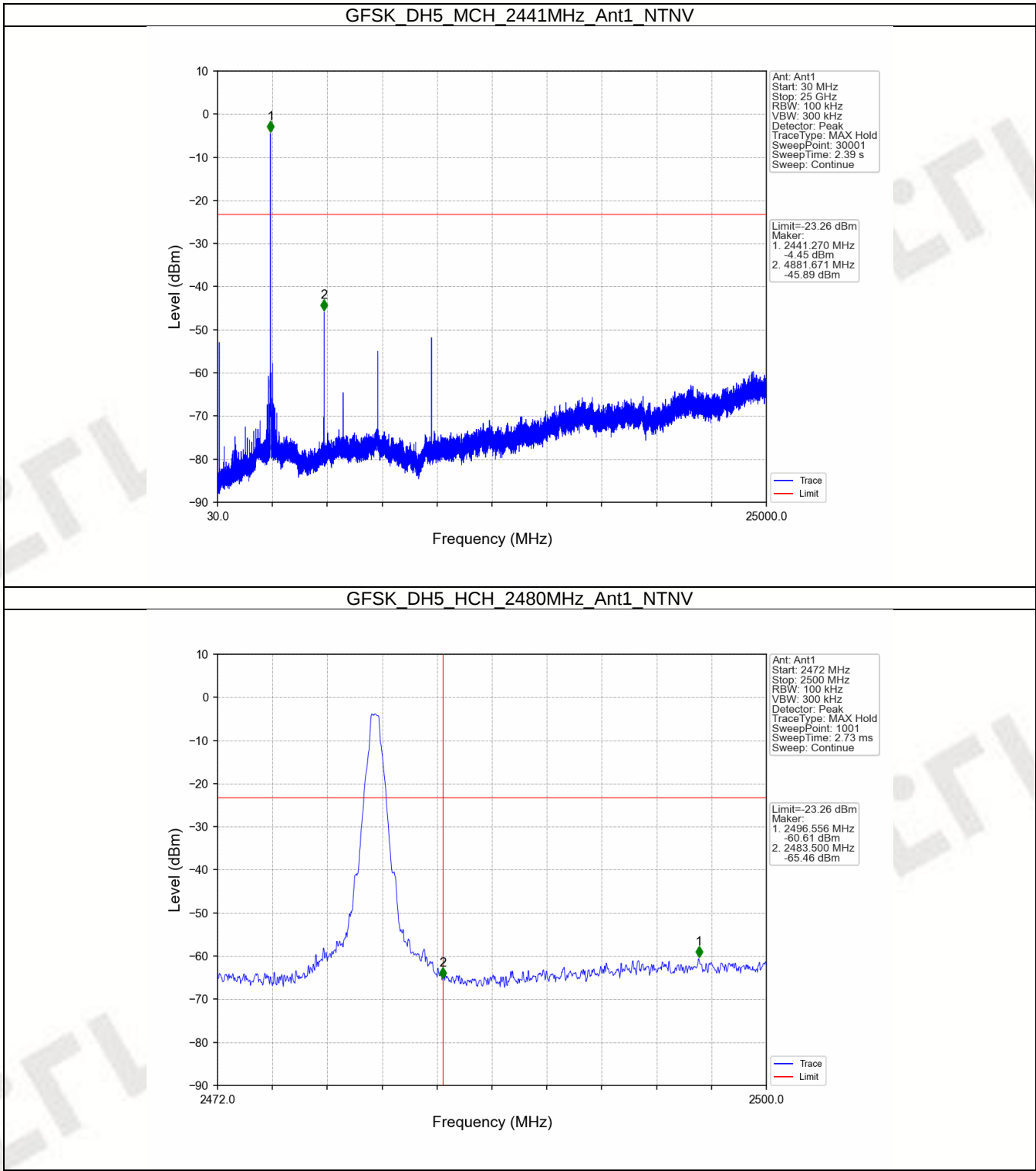
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-3.26	-23.26	Pass
		2441	DH5	1	-3.26	-23.26	Pass
		2480	DH5	1	-3.26	-23.26	Pass
		HOPP	DH5	1	-3.26	-23.26	Pass
					-3.26	-23.26	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-3.16	-23.16	Pass
		2441	2DH5	1	-3.16	-23.16	Pass
		2480	2DH5	1	-3.16	-23.16	Pass
		HOPP	2DH5	1	-3.16	-23.16	Pass
					-3.16	-23.16	Pass
8DPSK	SISO	2402	3DH5	1	-3.16	-23.16	Pass
		2441	3DH5	1	-3.16	-23.16	Pass
		2480	3DH5	1	-3.16	-23.16	Pass
		HOPP	3DH5	1	-3.16	-23.16	Pass
					-3.16	-23.16	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.							

FCCID: 2AU4P-BTS206

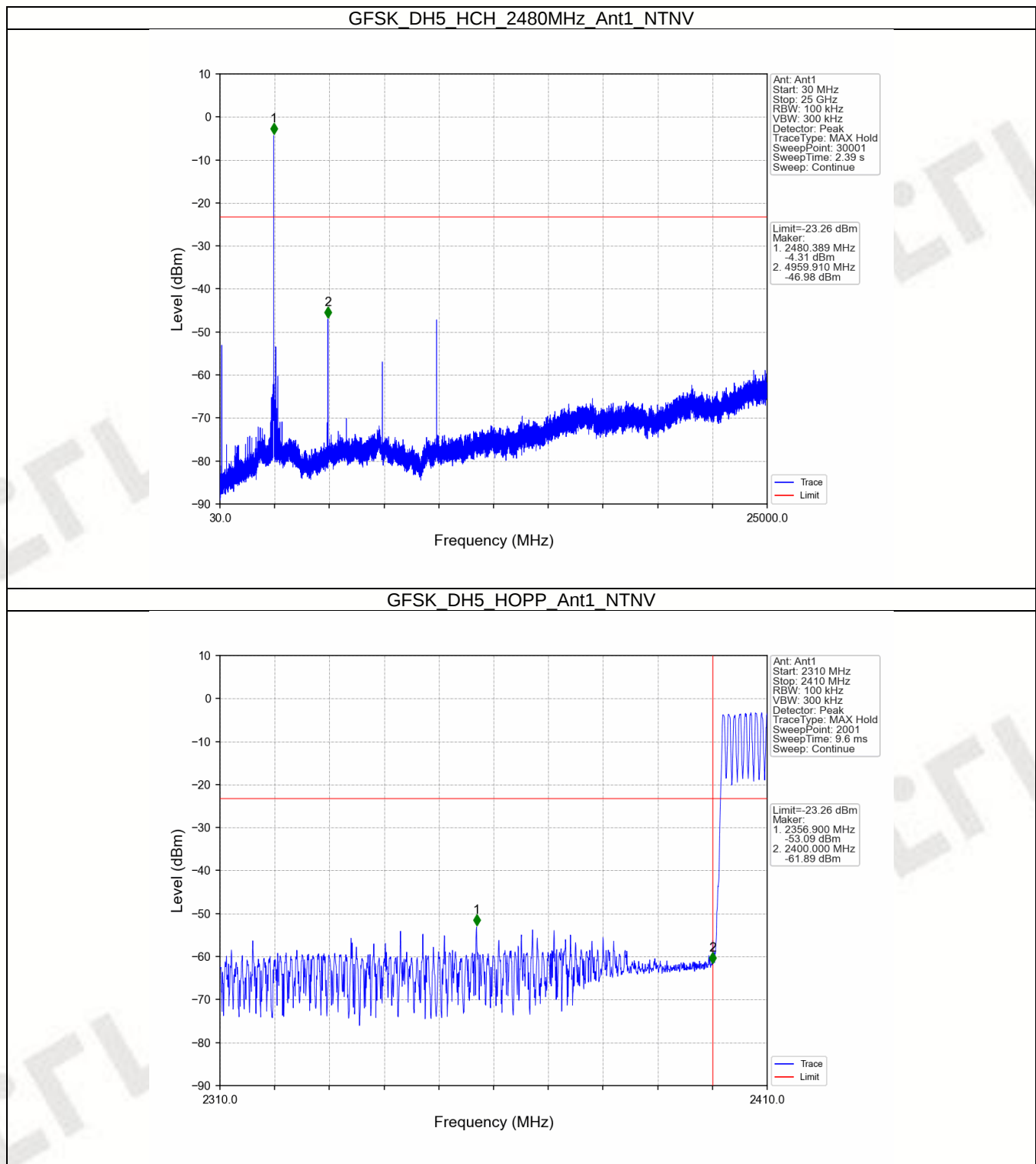
6.2.2 Test Graph



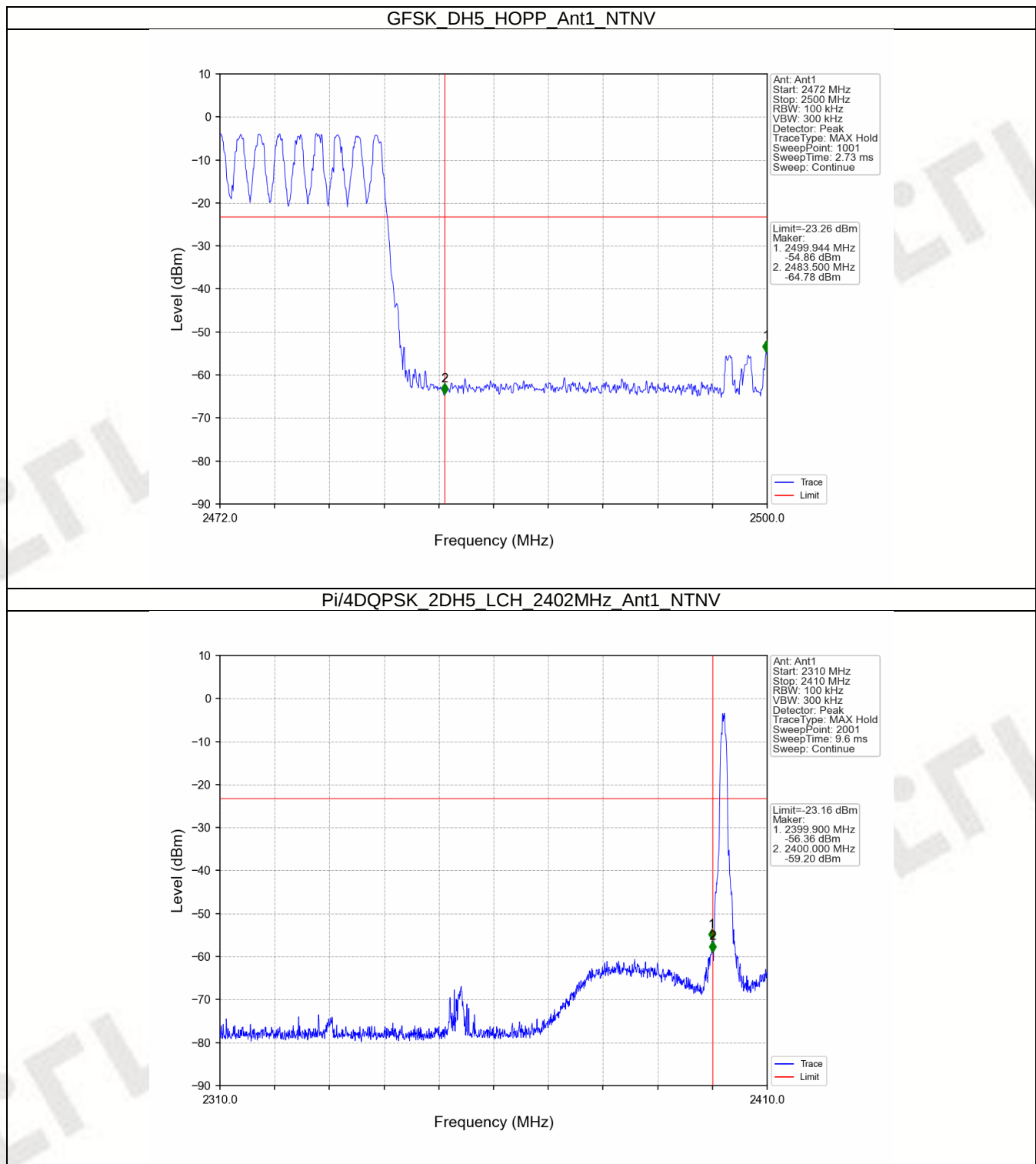
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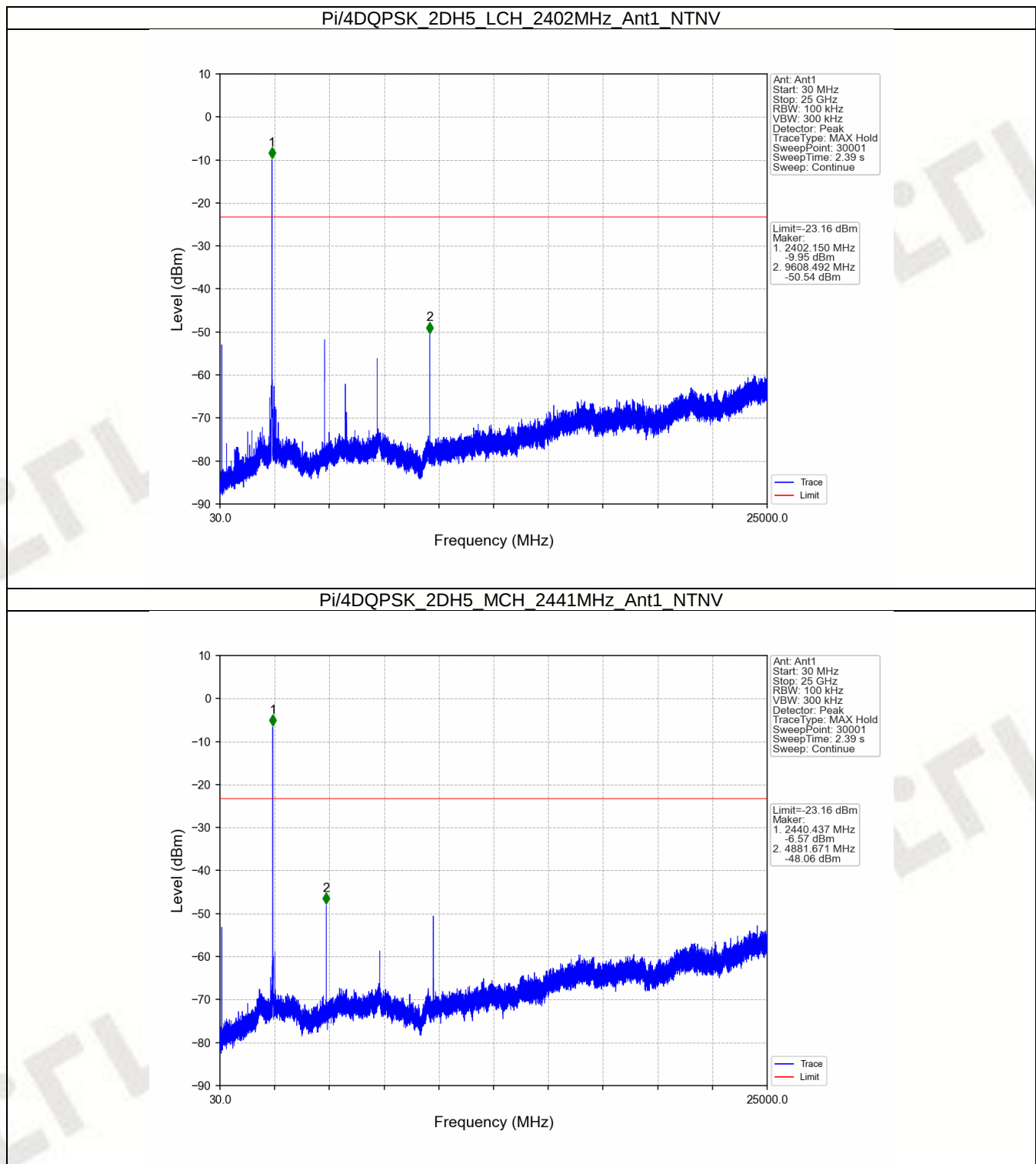
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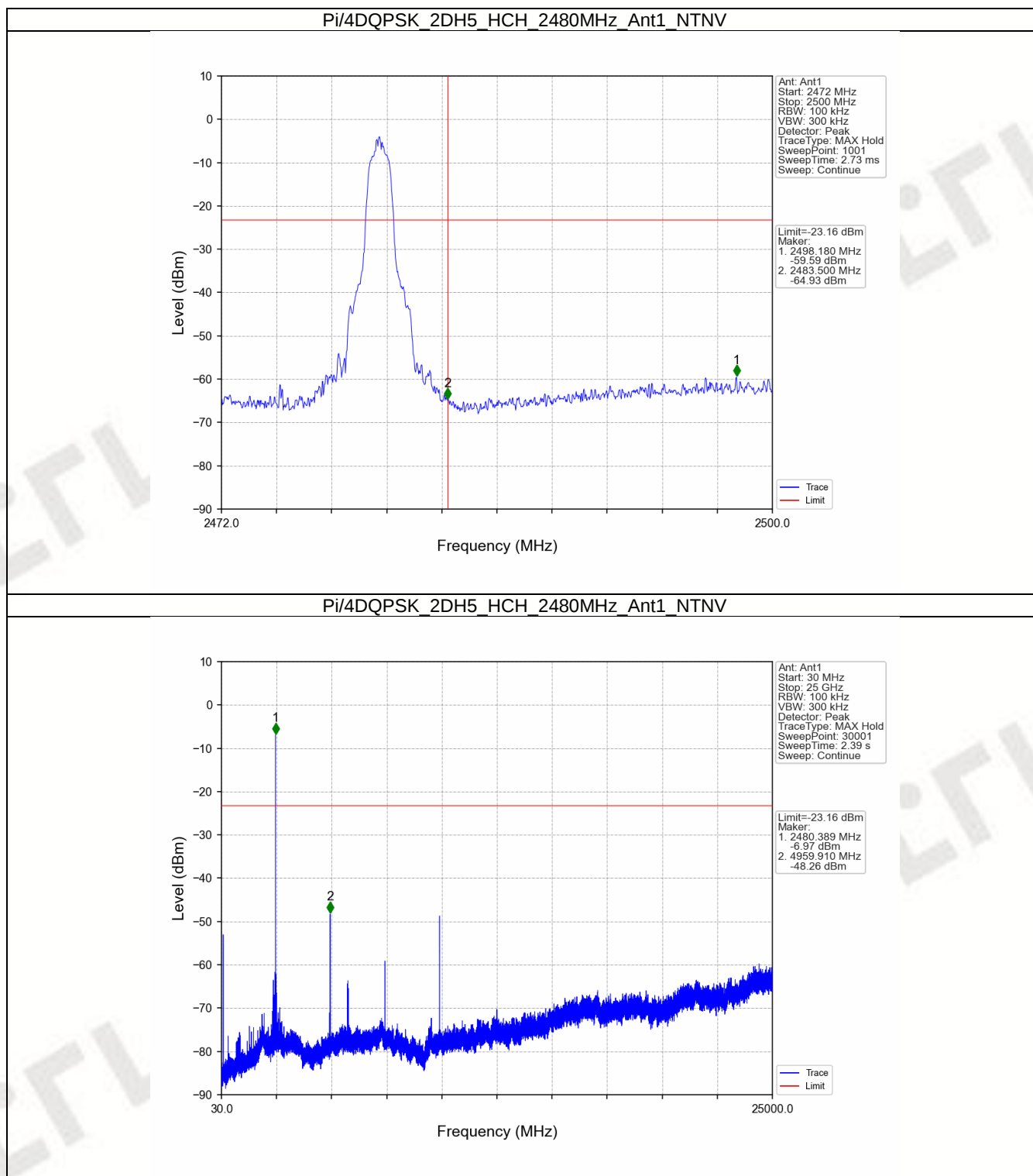
FCCID: 2AU4P-BTS206



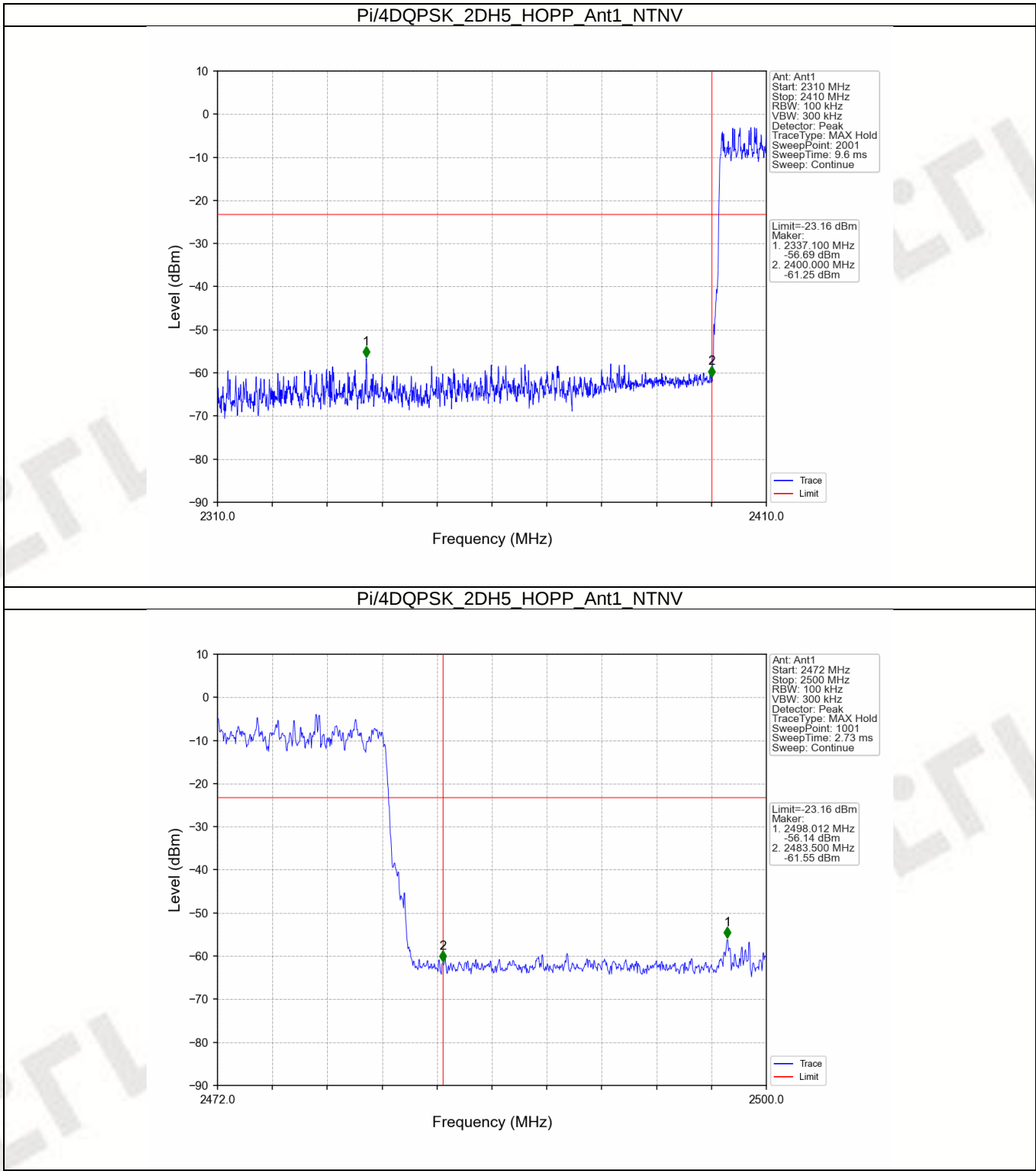
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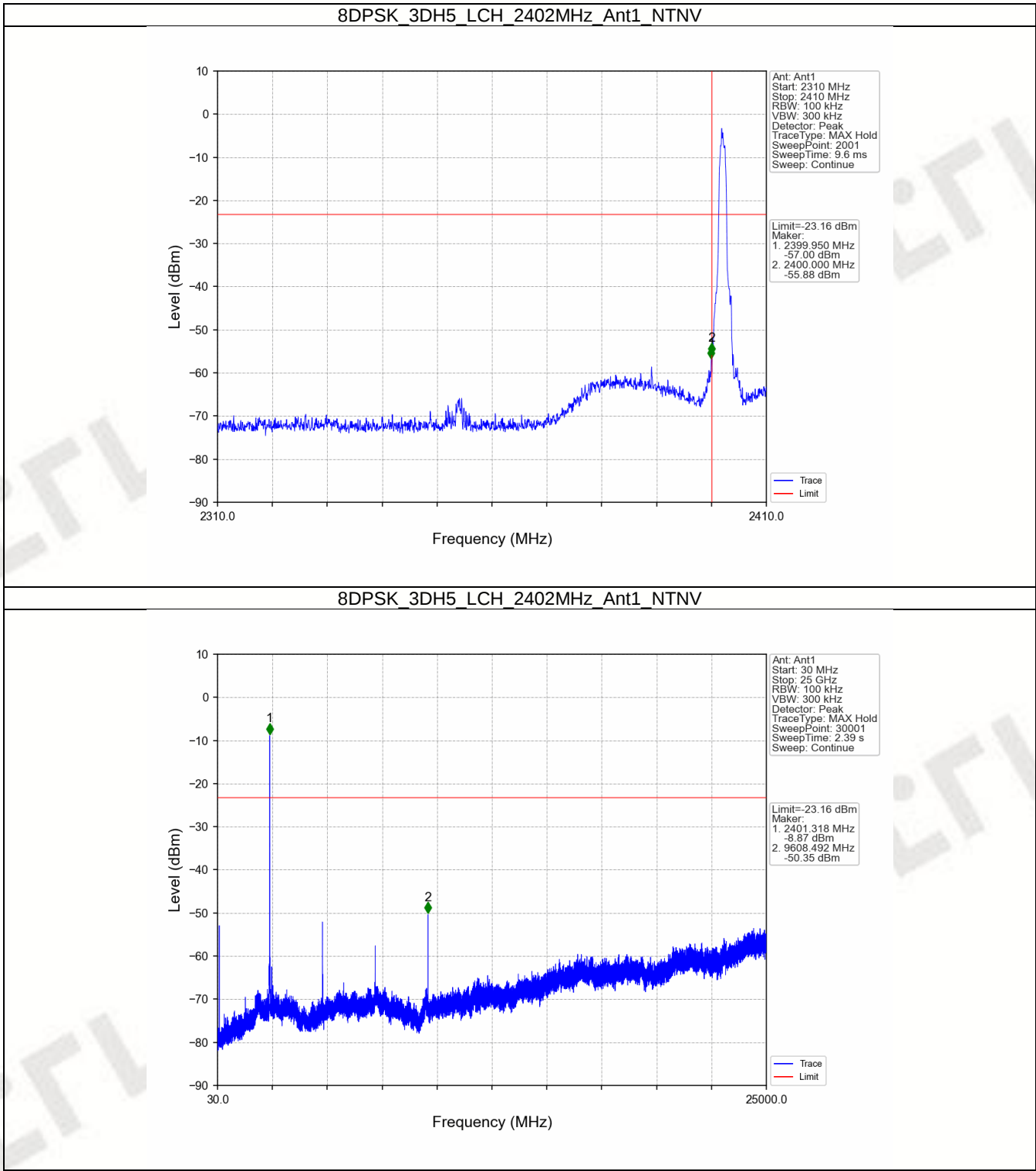
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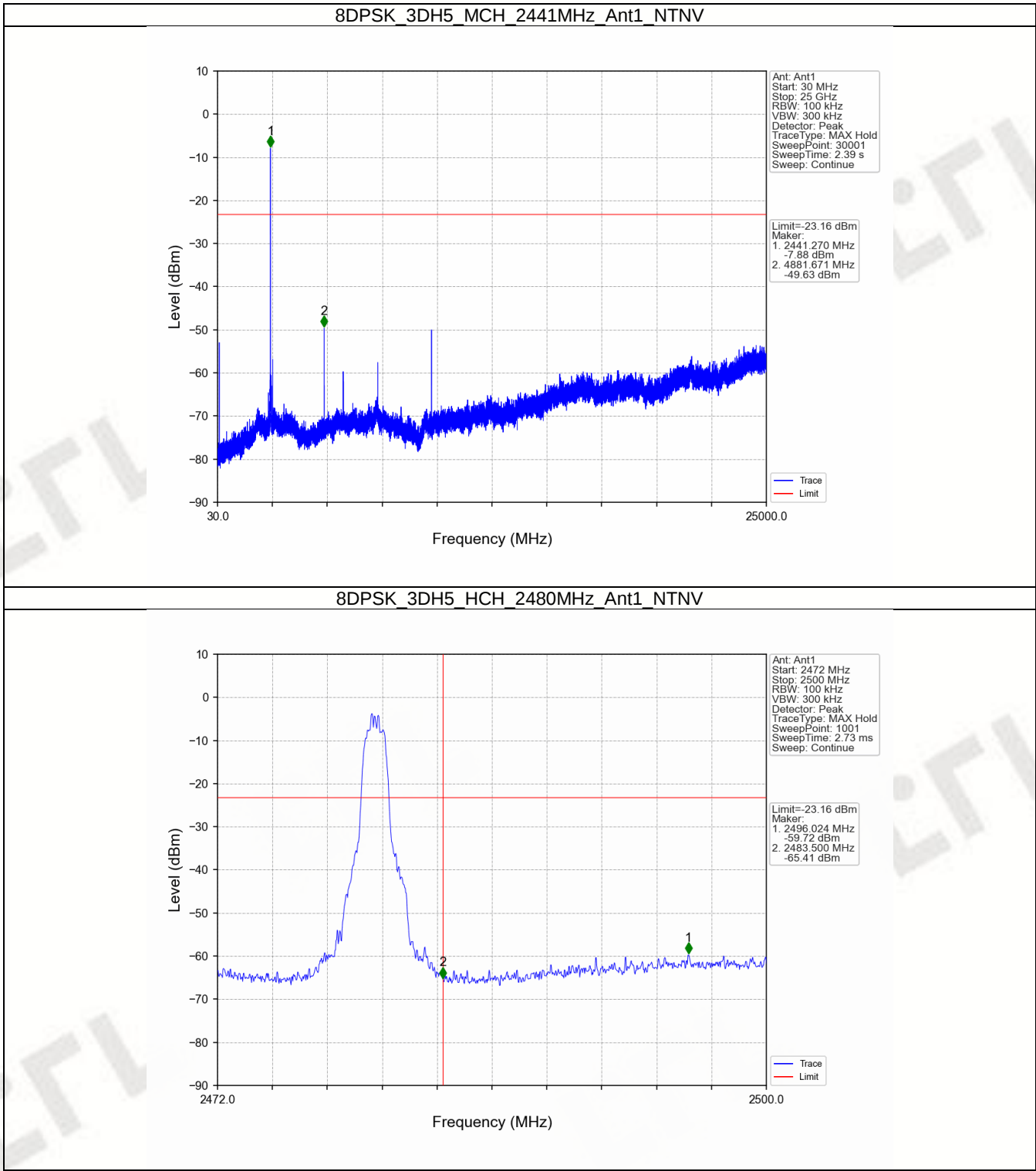
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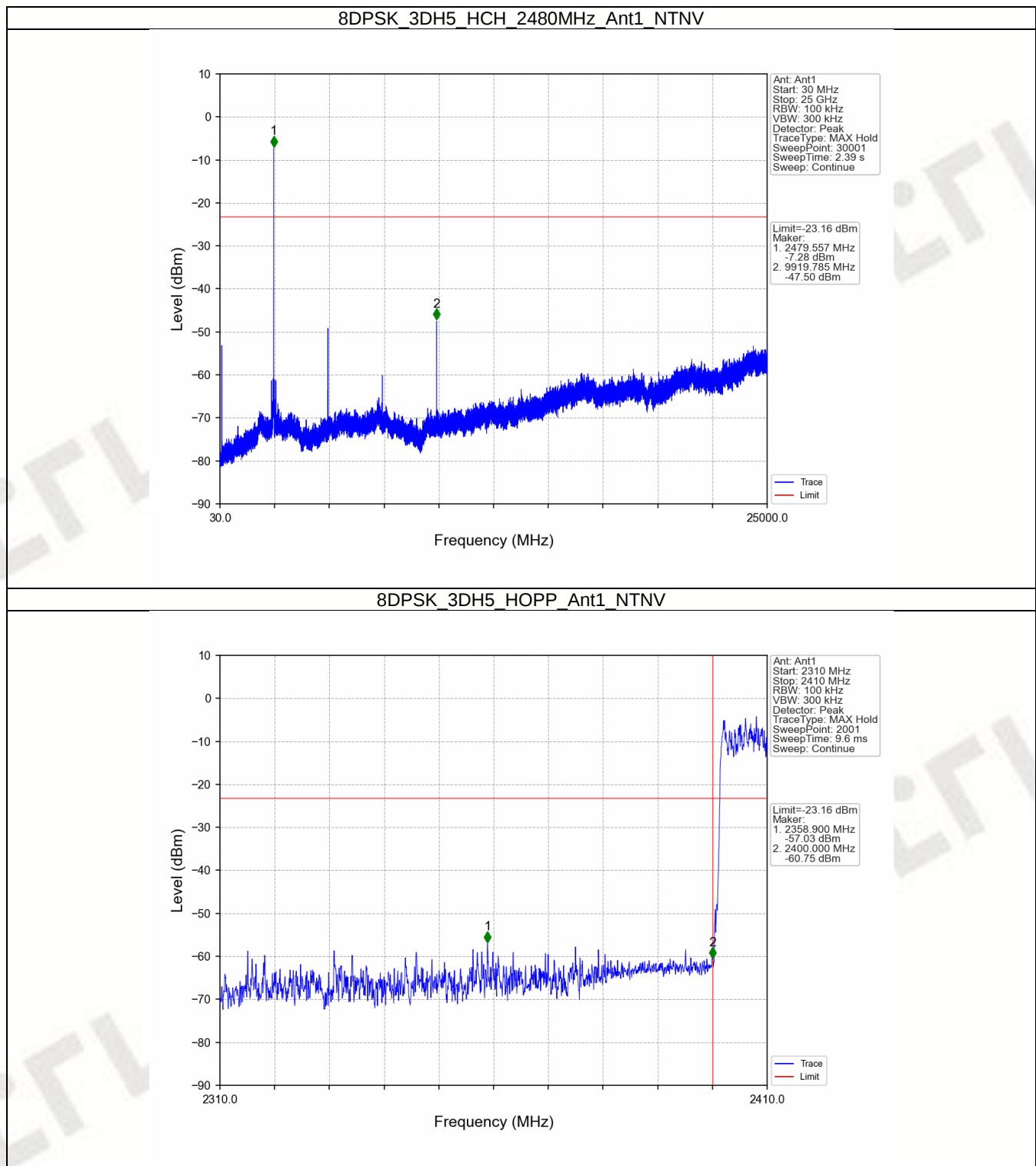
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