Gudeng Equipment Co., Ltd.

TEST REPORT

Model:
GD-BAR01

REPORT NUMBER
230400088THC-001

ISSUE DATE
Apr. 14, 2023

PAGES
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DOCUMENT CONTROL NUMBER
GFT-OP-10h (28-Nov-2018)

RF Exposure Evaluation Report

Applicant:	**Gudeng Equipment Co., Ltd.** **8F-5, No. 2, Sec. 4, Zhongyang Rd., Tucheng Dist., New Taipei City 236041, Taiwan**
Product:	**Barcode Reader**
Model No.:	**GD-BAR01**
FCC ID:	**2A926GD-BAR-01**
Test Method/ Standard:	**47 CFR FCC 1.1310** **KDB 447498 D04**
Test By:	**Intertek Testing Services Taiwan Ltd.,** **Hsinchu Laboratory** **No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,** **Shiang-Shan District, Hsinchu City, Taiwan**

Mark Chang
Engineer

Rico Deng
Reviewer

Revision History

Report No.	Issue Date	Revision Summary
230400088THC-001	Apr. 14, 2023	Original report

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1. General Information

1.1 Identification of the EUT

Product:	Barcode Reader
Model No.:	GD-BAR01
Operating Frequency:	134.2 kHz
Rated Power:	AC 220V
Power Cord:	N/A
Sample receiving date:	2023/01/18
Sample condition:	Workable
Test Date(s):	2023/02/03

1.2 Antenna description

For Antenna 1 ~ Antenna 2

Antenna Type : Coil antenna
Connector Type : PH

1.3 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	HP	HP ProBook 440 G3	5CD8021S9H	RJ-45 STP Cat.5 10m

2. RF Exposure Test Exemptions

1-mW Test

ExemptionPer § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

3. Test results

Chain	E-Field (dBuV/m)	Distance (m)	EIRP (dBm)	EIRP (mW)
ANT 1	91.57	3	-3.63	0.43
ANT 2	90.88	3	-4.32	0.37

Note: EIRP[dBm] = E[dBμV/m] - 95.2 for distance in 3m

As a result, it meets "Blanket" exempt, no evaluation required.