

RF Exposure Evaluation Report

Product : RingConn Gen 3 Smart Ring
Trade mark : RingConn
Model/Type reference : RCP-01, RCP-01-6, RCP-01-7, RCP-01-8,
RCP-01-9, RCP-01-10, RCP-01-11, RCP-01-12,
RCP-01-13, RCP-01-14, RCP-01-15
Serial Number : N/A
Report Number : EED32R82146202
FCC ID : 2A854JZRCP-01
Date of Issue : Dec. 23, 2025
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1093
KDB 447498 D04 Interim General RF Exposure
Guidance v01
Test result : PASS

Prepared for:

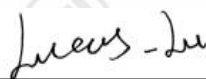
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Room B801, National Engineering Laboratory Building, No. 20 Gaoxin
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Prepared by:

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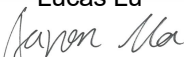


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2 General Information

2.1 Client Information

Applicant:	Shenzhen Ninenovo Technology Limited
Address of Applicant:	Room B801, National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Gaoxinnan Community, Yuehai Subdistrict, Nanshan District, Shenzhen, China
Manufacturer:	Shenzhen Ninenovo Technology Limited
Address of Manufacturer:	Room B801, National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Gaoxinnan Community, Yuehai Subdistrict, Nanshan District, Shenzhen, China
Factory:	Shenzhen Ninenovo Technology Limited
Address of Factory:	Room B801, National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Gaoxinnan Community, Yuehai Subdistrict, Nanshan District, Shenzhen, China

2.2 General Description of EUT

Product Name:	RingConn Gen 3 Smart Ring
Model No.(EUT):	RCP-01, RCP-01-6, RCP-01-7, RCP-01-8, RCP-01-9, RCP-01-10, RCP-01-11, RCP-01-12, RCP-01-13, RCP-01-14, RCP-01-15
Trade Mark:	RingConn

2.3 Product Specification subjective to this standard

Frequency Range:	BLE: 2402MHz~2480MHz
Modulation Type:	BLE: GFSK
Test Power Grade:	Default
Test Software of EUT:	SSCOM.EXE
Antenna Type:	Multilayer Antenna
Antenna Gain:	2.5 dBi
Power Supply:	DC 4V
Sample Received Date:	Nov. 11, 2025
Sample tested Date:	Nov. 11, 2025 to Dec. 03, 2025
Remark: When the device is charging, BLE is unavailable. Model No.: RCP-01, RCP-01-6, RCP-01-7, RCP-01-8, RCP-01-9, RCP-01-10, RCP-01-11, RCP-01-12, RCP-01-13, RCP-01-14, RCP-01-15 Only the model RCP-01 was tested, The PCB of different models are consistent, only the shell si zeis different, The differences between different models are shown in the table below:	

Model	inner diameter	Smart Ring colour	Battery Model
RCP-01-6	15.06 x 17.12 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170520P
RCP-01-7	15.9 x 17.9 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170520P
RCP-01-8	16.75 x 18.7 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170522P
RCP-01-9	17.75 x 19.7 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170522P
RCP-01-10	18.57 x 20.45 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170522P
RCP-01-11	19.35 x 21.2 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170522P
RCP-01-12	20.05 x 22.1 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170524P
RCP-01-13	20.85 x 22.9 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170524P
RCP-01-14	21.59 x 23.5 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170524P
RCP-01-15	22.2 x 24.4 x 6.8mm	Brushed Silver; Brushed Rose Gold; Future Silver; Royal Gold; Matte Black	J170524P

2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Hongwei Industrial Park, Zone 70, Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164, Test Firm Registration No.: 260439

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

3.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3.1.3 EUT RF Exposure Evaluation

For Stand alone:

Band	Freq. (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
BLE	2402	0.5	-6.28	2.5	-5.93	0.26	2.788	0.0916	Pass

Note:

① EIRP=conducted power+antenna gain;

② ERP=EIRP-2.15;

③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;

④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;

⑤ The estimation distance is 0.5cm;

⑥ The test data please refer to the report of EED32R82146201 and only the worst case data was recorded in the report.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***