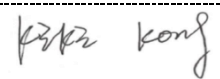
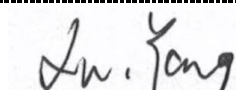


TEST REPORT

For RF Expose



Report No..... : CHTW25120007
Project No : SHT2506080401W
FCC ID : 2BRCKENNDN9000201
Applicant's name..... : Endrich Bauelemente Vertriebs GmbH
Address : D-72202 Nagold, Hauptstrasse 56.
Product Name : EIOT-NODE-MESH-NCXXX-CR123A
Trade Mark..... : -
Model No..... : EIOT-NODE-MESH-NC915-CR123A
Listed Model(s) : -
Standard..... : **FCC Part 2 (Section 2.1091)**
Date of receipt of test sample..... : 2025/7/17
Date of testing..... : 2025/7/17- 2025/11/28
Date of issue..... : 2025/12/03
Result : **Pass**

Compiled by (Position+Printed name+Signature) :	File administrator	Xiaodong Zhao	
Supervised by (Position+Printed name+Signature) :	Project Engineer	Kiki Kong	
Approved by (Position+Printed name+Signature) :	RF Manager	Xu Yang	

Testing Laboratory Name..... : Shenzhen Huatongwei International Inspection Co., Ltd.
Address : Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0066
Test Report Form(s) Originator..... : Shenzhen Huatongwei International Inspection Co., Ltd.
Master TRF : Dated 2025-07

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test standards

The tests were performed according to following standards:

[FCC Part 2 \(Section 2.1091\)](#)- Radiofrequency radiation exposure evaluation: mobile devices.

[KDB 447498 D04 Interim General RF Exposure Guidance v01](#)- RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices

[FCC Part 1 \(Section 1.1307\)](#)- Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2025-12-03	Original

2. SUMMARY

2.1. Client Information

Applicant:	Endrich Bauelemente Vertriebs GmbH
Address:	D-72202 Nagold, Hauptstrasse 56.
Manufacturer:	Endrich Bauelemente Vertriebs GmbH
Address:	D-72202 Nagold, Hauptstrasse 56.

2.2. Product Description

Product Name:	EIOT-NODE-MESH-NCXXX-CR123A
Trade Mark:	-
Model No.:	EIOT-NODE-MESH-NC915-CR123A
Listed Model(s):	-
Power supply:	DC 3.0V from Battery
Hardware version:	1.0
Software version:	1.0

2.3. Radio Specification Description

Modulation:	GFSK
Operation frequency:	902.6MHz~927.4MHz
Channel number:	251
Antenna type:	PCB Antenna
Antenna gain:	1.40dBi

Note

#1: Please refer to RF report for detailed technical specifications

2.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China
Contact information:	Tel: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn

3. RF EXPOSURE

LIMIT

© **Single transmitter:**

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500	-	-	f/300	6
1500–100,000	-	-	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	-	-	f/1500	30
1500–100,000	-	-	1.0	30

Note: f = frequency in MHz

© **Simultaneous transmission:**

Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneously transmitting antennas incorporated in a host device is ≤1.0.

EVALUATION METHOD

Transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², **P_{out}** = output power to antenna in mW, **G** = gain of antenna in linear scale;

P_i = 3.1416, **R** = distance between observation point and center of the radiator in cm

TEST RESULT☒ **Passed** ☐ **Not Applicable**

Modulation	Frequency range (MHz)	Conducted Average Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
GFSK	902.6-927.4	10.60	11.00	0.0035	1.0000	Pass

Note:

- 1) The maximum antenna gain is 1.40dBi
- 2) The exposure evaluation safety distance is 20cm.

4. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. CHTW25120007

-----End of Report-----