RF EXPOSURE EVALUATION
FCC ID:2BSMA-BS3000-002

Report Number.....:	**ZKT-260724L1713E-2**
Date of Test.....:	Jan. 19, 2026 ~ Sep. 11, 2026
Date of issue.....:	Sep. 11, 2026
Total number of pages..... :	8
Test Result ..... :	PASS

Testing Laboratory..... :	**Shenzhen ZKT Technology Co., Ltd.**
Address ..... :	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name .....:	**VOXAURA GmbH**
Address ..... :	Eschentalweg 5, Friesenheim, Germany

Manufacturer's name .....:	**Shenzhen STEP Electronic and Lighting Co., Ltd**
Address ..... :	14/F, Huide Building, Mintang Road 385, Longhua District, Shenzhen, China

Test specification:	
Standard.....:	FCC 47CFR §2.1091 KDB 447498 D01 General RF Exposure Guidance v06
Test procedure..... :	/
Non-standard test method .....:	N/A

Test Report Form No..... :	/
Test Report Form(s) Originator..... :	**ZKT Testing**
Master TRF .....:	**Dated: 2026-02-07**

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Product name..... :	**Smart Sensor**
Trademark .....:	N/A
Model/Type reference..... :	122.00.02.002
Ratings..... :	Power Input: DC 3V

Testing procedure and testing location:

Testing Laboratory..... :	Shenzhen ZKT Technology Co., Ltd.
Address..... :	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Tested by (name + signature)..... :	Jim Liu
Reviewer (name + signature)..... :	Jackson Fang
Approved (name + signature)..... :	Lake Xie

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1. VERSION

Report No.	Version	Description	Approved
ZKT-260724L1713E-2	Rev.01	Initial issue of report	Sep. 11, 2026

2. TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.

Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491

Designation Number: CN1431

IC Registered No.: 27033

CAB identifier: CN0110

Designation Number: CN0110

3. GENERAL DESCRIPTION OF EUT

Product Name:	Smart Sensor
Trade Mark:	N/A
Model No.:	122.00.02.002
Serial No.:	N/A
Model Different.:	N/A
Hardware Version:	K5 27
Software Version:	V0.23
Sample(s) Status:	Engineer sample
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40 Channels
Channel Spacing:	2MHz
Modulation Technology:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	-5.34dBi
Power Supply:	Input: DC 3V (1*CR2450 battery)
Battery Capacity:	N/A

Note1: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note2: The EUT's all information provided by client.

RF Exposure Evaluation

Limits

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

f = frequency in MHz

Friis transmission formula: **$Pd = (Pout*G)/(4*pi*r^2)$**

Where

Pd = power density in mW/cm^2, **Pout** = output power to antenna in mW;

G = gain of antenna in linear scale, **Pi** = 3.1416;

R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm^2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

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

For BLE

RF Function	Separation distance (cm)	Max AVG Power (dBm)	Tune Up Power (dBm)	Max Tune Up Power (dBm)	ANT Gain (dBi)	Max EIRP (dBm)	Max EIRP (mW)	Power Density (mW/cm²)	Limit (mW/cm²)	Result
BLE	20	3.00	3±1	4.00	-5.34	-1.34	0.735	0.0001	1	Pass

Remark:

1. Output power (Peak) including turn-up tolerance;

2. MPE evaluate distance is 20cm from user manual provide by manufacturer.