TCT 通测检测 TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID.....:	2A8YZ-BT06	
Test Report No. .....:	TCT221013E009	
Date of issue .....:	Oct. 20, 2022	
Testing laboratory.....:	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name .....:	Shenzhen Xinuo Electronics Co., Ltd.	
Address .....:	201, GongKenglang Industrial Park, Xintian Community, Guanhu Street, Longhua District, Shenzhen, China	
Manufacturer's name ....:	Shenzhen Xinuo Electronics Co., Ltd.	
Address .....:	201, GongKenglang Industrial Park, Xintian Community, Guanhu Street, Longhua District, Shenzhen, China	
Standard(s).....:	FCC CFR Title 47 Part 2.1091	
Product Name .....:	Car Bluetooth Handsfree	
Trade Mark.....:	N/A	
Model/Type reference .....:	BT06, BT08, BT26, BT28, BT29	
Rating(s) .....:	DC 12V-24V	
Date of receipt of test item .....:	Oct. 13, 2022	
Date (s) of performance of test .....:	Oct. 10, 2022 - Oct. 20, 2022	
Tested by (+signature)....:	Ronaldo LUO	Ronald. Luo
Check by (+signature) ....:	Beryl ZHAO	Beryl Zhao
Approved by (+signature):	Tomsin	Tomsin

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

Table of Contents

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1. General Product Information

1.1. EUT description

Test item description .....:	Car Bluetooth Handsfree
Model/Type reference.....:	BT06
Sample Number.....:	TCT221013E007-0101
Operation Frequency.....:	For BT: 2402MHz~2480MHz For FM: 88.1MHz – 107.9MHz
Modulation Type.....:	For BT: GFSK, π/4-DQPSK, 8DPSK For FM: FSK
Antenna Type.....:	PCB Antenna
Antenna Gain.....:	1.7dBi
Rating(s).....:	DC 12V-24V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

No.	Model No.	Tested with
1	BT06	☒
Other models	BT08, BT26, BT28, BT29	☐

Note: BT06 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of BT06 can represent the remaining models.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

2. Facilities and Accreditations

2.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

  SHENZHEN TONGCE TESTING LAB

  Designation Number: CN1205

  The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

  SHENZHEN TONGCE TESTING LAB

  CAB identifier: CN0031

  The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

2.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

3. Test Results and Measurement Data

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

EVALUATION METHOD

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

Assessment Result

☒ **Passed** ☐ **Not Applicable**

Frequency range (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm2)	Limit (mW/cm2)	Result
2402-2480	BT-EDR	1.48	2.00	0.0005	1.0000	Pass
88.1 – 107.9	FM	-27.24	-27.00	0.000001	0.2000	Pass

Note: The exposure evaluation safety distance is 20cm.

********END OF REPORT********