RF EXPOSURE Test Report

Product: Remote Dog Training Collar

Trade Mark: -

Model Number: TZ-926

FCC ID: 2AY3ETZ-926

Prepared for

TIZE INTERNATIONAL CO., LIMITED

3/F, Building 1, TianKou Industrial Area, Huang Tian, Xixiang, BaoAn District, ShenZhen, GuangDong Province, China

Prepared by

Shenzhen HongBiao Certification& Testing Co., Ltd

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TEST RESULT CERTIFICATION

Applicant's Name	:	TIZE INTERNATIONAL CO., LIMITED
Address	:	3/F, Building 1, TianKou Industrial Area, Huang Tian, Xixiang, BaoAn District, ShenZhen, GuangDong Province, China
Manufacturer's Name	:	ShenZhen TIZE Technology Co., Ltd
Address	:	205. Building 18, Jiatiangang Industrial Zone, Huangtian Community, Hangcheng Street, Bao'an District, Shenzhen, China

Product description

Product name	:	Remote Dog Training Collar
Model Number	:	TZ-926
Standards	:	FCC CFR 47 PART 1, 1.1310
Test procedure	:	KDB 447498 D04

This device described above has been tested by Shenzhen HongBiao Certification& Testing Co,.Ltd and the test results show that the equipment under test (EUT) is in compliance with the EMC requirements. And it is applicable only to the tested sample identified in the report.

Date of Test	:	
Date (s) of performance of tests	:	September 04, 2023~September 19, 2023
Test Result	:	**Pass**

Testing Engineer : Zoe Su

(Z o e S u)

Technical Manager : Gary Lu

(G a r y L u)

Authorized Signatory : Leo Su

(L e o S u)

Revision History

Revised No.	Date of Issue	Description
01	September 20, 2023	Original

1 General Description

1.1 Description of EUT

Product name:	Remote Dog Training Collar
Model name:	TZ-926
Series Model:	TZ-920, TZ-921, TZ-922, TZ-923, TZ-925, TZ-927, TZ-928, TZ-929, TZ-930, TZ-931, TZ-932, TZ-933, TZ-935
Different of series model:	The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.
Operation frequency:	433.92MHz
Modulation type:	FSK
Antenna type:	Integral Antenna
Antenna gain:	0dBi
Hardware version:	V1.0
Software version:	V1.0
Battery:	DC 3.7V/500mAh
Power supply:	DC 3.7V by battery, USB 5V charging
Adapter information:	Input: AC 100-240V, 50/60Hz, Output: DC 5V/2A

1.2 Test Mode

Pretest Test Mode	Description of Mode
1	TX
2	/
3	/

1.3 Test Setup

See photographs of the test setup in the report for the actual setup and connections between EUT and support equipment.

1.4 Ancillary Equipment

Equipment	Model	S/N	Manufacturer
/	/	/	/

2 Test Facilities and Accreditations

2.1 Test Laboratory

Test Site	Shenzhen HongBiao Certification& Testing Co., Ltd
Test Site Location	Room 102, 201, Building 2, Yuanwanggu RFID Industrial Park, Tongguan Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, China
Telephone:	(86-755) 2998 9321
Fax:	(86-755) 2998 5110
FCC Registration No.:	CN1341
A2LA Certificate No.:	6765.01

2.2 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15ºC~35ºC
Relative Humidity:	20%~75%
Air Pressure:	98kPa~101kPa

2.3 Measurement Uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Measurement Frequency Range	U，(dB)	Note
RF frequency	2x 10^{-5}	
RF power, conducted	± 0.57 dB	
Conducted emission(150kHz~30MHz)	± 2.5 dB	
Radiated emission(30MHz~1GHz)	± 4.2 dB	
Radiated emission (above 1GHz)	± 4.7 dB	
Temperature	±1 degree	
Humidity	± 5 %	

2.4 Test Software

Software name	Manufacturer	Model	Version
EMI Measurement	Farad	EZ-EMC	V1.1.4.2

3 List of Test Equipment

Radiation emission							
Item	Equipment No.	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	HB-E001	Horn Antenna	Schwarzbeck	BBHA 9120D	02592	2022-04-02	2024-04-01
2	HB-E002	Biconical log-periodic composite antenna	Schwarzbeck	VULB 9168	01340	2022-04-06	2024-04-05
3	HB-E003	SHF-EHF Horn	Schwarzbeck	BBHA 91270	01193	2022-04-02	2024-04-01
4	HB-E004	Preamplifier	Noyetec	LAN-0910	NYCM1420101	2023-05-11	2024-05-10
5	HB-E005	Preamplifier	Noyetec	LAN-0118	NYCM1420102	2023-05-12	2024-05-11
6	HB-E006	Preamplifier	Noyetec	LAN-1840	NYCM1420103	2023-06-11	2024-06-10
7	HB-E007	EMI TEST RECEIVER	R&S	ESR7	102520	2023-05-12	2024-05-11
8	HB-E009	POSITINAL COTROLLER	Noyetec	N/A	N/A	/	/
9	HB-E013	RF switch	Noyetec	NY-RF4	NY0CM1420204	/	/
10	HB-E066	Illuminance Tester	TASI	TA8121	N/A	2023-05-11	2024-05-10
11	HB-E075	Active loop antenna	Schwarzbeck	FMZB 1519B	1519B-245	2022-07-24	2024-07-23

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

4 RF Exposure Evaluation

4.1 Standalone SAR test exclusion considerations

4.1.1 Limit

The available maximum time-averaged power is no more than 1 mW.

4.1.2 Test Procedures

According to KDB 447498 D04 RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices part 2.1.2, 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 1mW, 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.

The result is rounded to one decimal place for comparison

Here,
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

4.1.3 Test Result

Frequency (MHz)	Power (dBuV/m)	Power (dBm)	Power (mW)	Limit (mW)
433.92	79.13	-16.07	0.02	1

Notes: 79.13dBuV/m-95.2=-16.07dBm

0.02mW＜1Mw, so a SAR test is not required.

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