FCC TEST REPORT

FCC ID: RSB-EDS-1000

Product	:	Bluetooth Party Speaker with Digital Drum Function
Model Name	:	EDS-1000
Brand	:	EMERSON
Report No.	:	PTC25021914401E-FC02

Prepared for

BK Pride Electronics Co.,Ltd.

Book Digital Industry Park Meilin District,Dalingshan Town,Dongguan City,Guangdong Province

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.

TEST RESULT CERTIFICATION

Applicant's name	:	BK Pride Electronics Co.,Ltd.
Address	:	Book Digital Industry Park Meilin District,Dalingshan Town,Dongguan City,Guangdong Province
Manufacture's name	:	BK Pride Electronics Co.,Ltd.
Address	:	Book Digital Industry Park Meilin District,Dalingshan Town,Dongguan City,Guangdong Province
Product name	:	Bluetooth Party Speaker with Digital Drum Function
Model name	:	EDS-1000
Test procedure	:	FCC CFR47 Part 1.1307(b)(1)
Test Date	:	Mar. 08, 2025 to Mar. 13, 2025
Date of Issue	:	Mar. 13, 2025
Test Result	:	PASS

This device described above has been tested by PTC, 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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Test Engineer:

Jack zhou / Engineer

Technical Manager:

Simon Pu / Manager

Contents

Page

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Bluetooth Party Speaker with Digital Drum Function
Model name	:	EDS-1000
Serial model	:	EDS-1001-XX, EDS-1002-XX, EDS-1003-XX, EDS-1004-XX, EDS-1005-XX, EDS-1006-XX, EDS-1007-XX, EDS-1008-XX, EDS-1009-XX, EDS-1010-XX, NDS-1011-XX, NDS-1012-XX, NDS-1013-XX, NDS-1014-XX, NDS-1015-XX, NDS-1016-XX, NDS-1017-XX, NDS-1018-XX, NDS-1019-XX, NDS-1020-XX ("XX"can be replaced by letter from "A" to "Z"number from "0" to "9" or blank)
Differences description	:	The appearance color is different.
Specification	:	BDR+EDR
Operation Frequency	:	2402-2480MHz
Number of Channel	:	79 channels for BDR+EDR
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS
Antenna installation	:	PCB antenna
Antenna Gain	:	-0.68 dBi
Rated Power Supply	:	Adapter1:SG-050200AU Input:100-240V~50/60Hz 0.3A MAX Output:5V⎓ 2A 10.0W Adapter2:HC010A-050200UU Input:100-240V~50/60Hz 0.35A MAX Output:5V⎓ 2A Adapter3:HS12X-050200-UU Input:100-240V~50/60Hz 0.4A MAX Output:5V⎓ 2A 10.0W Li-ion Battery :18650 Rated Voltage: 7.4V Rated Capacity:2500mAh
Hardware Version	:	1.0
Software Version	:	1.0

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	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 ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$ θφ

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Test Mode	Test Frequency(MHz)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
3DH5	2480	0.855067	-0.31	-0.31±1	0.000158387	0.000158387	1	Pass

******THE END REPORT******