MPE TEST REPORT

for

DongGuan Foxsur Electronic Equipment Co., Ltd.

Jump Starter

FJS-800

Other models see Page 4 of the report

Prepared for :	DongGuan Foxsur Electronic Equipment Co., Ltd. No.5,Hengjiangxia Industrial Zone, ChangPin Tower, DongGuan City, GuangDong Province
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Date of Report： Aug.02,2024

Tested By_____ Approved By_____

Mark Dan Steven

The results detailed in this test report relate only to the specific sample(s) tested. It is the Application's responsibility to ensure that all production units are manufactured with equivalent EMC characteristics. This report is not to be reproduced except in full, without written approval from EZT Testing Technology.

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1. Client Information

Application:	DongGuan Foxsur Electronic Equipment Co., Ltd.
Address of Application:	No.5,Hengjiangxia Industrial Zone, ChangPin Tower, DongGuan City, GuangDong Province
Manufacturer:	DongGuan Foxsur Electronic Equipment Co., Ltd.
Address of Manufacturer:	No.5,Hengjiangxia Industrial Zone, ChangPin Tower, DongGuan City, GuangDong Province

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2. General Description of E.U.T.

Product Name:	Jump Starter
Model:	FJS-800
Additional Model:	FJS-700
Trade Mark:	N/A
Frequency range:	110K-205KHz
Power Supply:	Start Current:600A Input:5V ⎓2A Wireless Output: 10W USB Output: 5V⎓2A

Model Difference:	N/A

Note: N.A. means Not Applicable;
E.U.T. means Equipment Under Test

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3. Test Facility

Name :	Shenzhen EZT Testing Technology Co.,Ltd
Address:	3F, Building B, Weicheng Industrial Park, No.16 Nanhuan Road, Matian Street, Guangming District, Shenzhen City, Guangdong Province, China.
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The test facility is recognized, certified, or accredited by the following organizations:

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4. Technical Requirements Specification

EN 62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for Electromagnetic fields (0 Hz – 300 GHz)

According to EN 62311, the criteria listed in the below table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified table 2 of Council Recommendation 2014/53/EU.

Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m^2)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	4 000/f	5 000/f	—
0,025-0,8 kHz	250/f	4/f	5/f	—
0,8-3 kHz	250/f	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	0,73/f	0,92/f	—
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

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5. MPE Calculation Method and Test data

$$E = \sqrt{\frac{30 \times P \times G}{d}}$$

E = Electric Field Strength in Volts/meter

P = Peak RF output Power in Watts

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m) from the peak EUT RF output power, the minimum mobile separation

Note: The antenna of the product, under normal use condition is at least 20 cm away from the body of the user. Warning statement of the user for keeping 20 cm separation distance and the prohibition of operating to a person has been printed on the user manual.

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Test data

Output Power (dBm)	Output Power (mW)	E-Fields Strength (V/m)	Limit (V/m)	Result
4.79	12.15	14.10	61	PASS

END OF REPORT

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