



# RF Exposure Evaluation Report

**Applicant:** EASEPAL ENTERPRISES LTD.

**Address of Applicant:** 18th Floor, 171# East Tapu Road, Siming Dtrict, Xiamen, China.361008

**Equipment Under Test (EUT)**

Product Name: EMS Foot Massager

Model No.: ER205A

**FCC ID:** 2AWAKER205A

**Applicable standards:** KDB 447498 D04 Interim General RF Exposure Guidance v01

**Date of sample receipt:** 07 December 2023

**Date of Test:** 07 December 2023 to 22 December 2023

**Date of report issue:** 22 December 2023

**Test Result:** PASS

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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# 1 Modified Information

Version No.	Date	Description
00	22 December 2023	Original

Prepared by: Leo Zhang  
 Leo Zhang/Engineer

Date: 22 December 2023

Reviewed by: Louis Ye  
 Louis Ye/Manager

Date: 22 December 2023

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### 3 General Information

#### 3.1 Client Information

Applicant:	EASEPAL ENTERPRISES LTD.
Address:	18th Floor, 171# East Tapu Road, Siming Dtrict, Xiamen, China.361008
Manufacturer/Factory:	EASEPAL ENTERPRISES LTD.
Address:	18th Floor, 171# East Tapu Road, Siming Dtrict, Xiamen, China.361008

#### 3.2 General Description of E.U.T.

Product Name:	EMS Foot Massager
Model No.:	ER205A
Operation Frequency:	BLE: 2402MHz~2480MHz
Modulation technology:	BLE: GFSK
Antenna Type:	Internal Antenna
Antenna gain:	3 dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

#### 3.3 Operating Modes

Operating mode	Detail description
BLE mode	Keep the EUT in continuously transmitting in BLE mode

#### 3.4 Additions to, deviations, or exclusions from the method

No
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#### 3.5 Laboratory Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC - Designation No.: CN1279</b> Jianyan Testing Group Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 892155.</li> <li>● <b>ISED – CAB identifier.: CN0102</b> Jianyan Testing Group Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with ISED#:26114.</li> <li>● <b>CNAS - Registration No.: CNAS L0658</b> Jianyan Testing Group Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L0658.</li> <li>● <b>A2LA - Registration No.: 5568.01</b> This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <a href="https://portal.a2la.org/scopepdf/5568-01.pdf">https://portal.a2la.org/scopepdf/5568-01.pdf</a></li> </ul>
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#### 3.6 Laboratory Location

<p>JianYan Testing Group Co., Ltd. Address: No.760, Fengling Road, Tong'an District, Xiamen, Fujian, China Tel: +86-592-2273071, Fax:+86-592-2273700 Email: info-JYTee@lets.com, Website: <a href="http://jyt.lets.com">http://jyt.lets.com</a></p>
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## 4 Technical Requirements Specification

### 4.1 Limits

A more comprehensive exemption, considering a variable power threshold that depends on both the separation distance and power, is provided in § 1.1307(b)(3)(i)(B). This exemption is applicable to the frequency range between 300 MHz and 6 GHz, with test separation distances between 0.5 cm and 40 cm, and for all RF sources in fixed, mobile, and portable device exposure conditions.

Accordingly, a RF source is considered an RF exempt device if its available maximum time-averaged (matched conducted) power or its effective radiated power (ERP), whichever is greater, are below a specified threshold. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P<sub>th</sub> is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}}(d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

and f is in GHz, d is the separation distance (cm). The example values shown in Table B.2 are for illustration only.

Table B.2-Example Power Thresholds (mW)

Frequency (MHz)	Distance(mm)										
	5	10	15	20	25	30	35	40	45	50	
300	39	65	88	110	129	148	166	184	201	217	
450	22	44	67	89	112	135	158	180	203	226	
835	9	25	44	66	90	116	145	175	207	240	
1900	3	12	26	44	66	92	122	157	195	236	
2450	3	10	22	38	59	83	111	143	179	219	
3600	2	8	18	32	49	71	96	125	158	195	
5800	1	6	14	25	40	58	80	106	136	169	

**4.2 Result**

Mode	Frequency (MHz)	Average Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	EIRP (mW)	FCC Extremity SAR Test Exclusion Threshold (mW)
<b>Maximum Emissions Level of Bluetooth(The output power was refer to the test report JYTO-R01-2300340)</b>						
BLE	2402	0.175	1.041	3	2.08	3

Note: Just the worst case mode was shown in report.

**4.3 Conclusion**

The device is exempt from the RF exposure evaluation.

-----End of report-----