

Report No.: SZEM191202082204 Page: 1 of 9

# **Human Exposure Report**

Application No.:	SZEM1912020822CR
Applicant:	Theragun, Inc.
Address of Applicant:	2803 Colorado Avenue Santa Monica California 90404 United States
Manufacturer:	Theragun, Inc.
Address of Manufacturer:	2803 Colorado Avenue Santa Monica California 90404 United States
Factory:	Shenzhen Xiang Zhida Technology Co., Ltd.
Address of Factory:	Room 101, 201, 301, 401, Building C, No.121 of Lianxin Road, Wulian
	Community, Longgang Street, Longgang District, Shenzhen, P.R.C
Equipment Under Test (EUT	·):
EUT Name:	Pro-wireless charger; Wireless Charger
Model No.:	Pro-wireless charger; PRO Wireless Charging Stand
*	Please refer to section 3.1 of this report which indicates which model was
	actually tested and which were electrically identical.
Trade mark:	Theragun
FCC ID:	2AU6TPROWC-1
Standards:	47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt:	2019-12-10
Date of Test:	2019-12-10 to 2019-12-23
Date of Issue:	2019-12-27
Test Result :	Pass*

\* In the configuration tested, the EUT complied with the standards specified above

Keny. XN

Keny Xu EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document does not exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document to excone to exconerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document to extend the content or appearance of this document is unlawful and offenders may be prosocuted to the fullest extent of the law. Unless otherwise stated the results shown in this ter report refer only to the sample(s) testing finaple(s) testing f

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 tl (86-755) 26012053 fl (86-755) 26010594 中国 • 深圳 • 科技园中区M-10栋一号厂房 邮编: 518057 tl (86-755) 26012053 fl (86-755) 26010594



Report No.: SZEM191202082204 Page: 2 of 9

	Revision Record					
Version	Chapter	Date	Modifier	Remark		
01		2019-12-27		Original		

Authorized for issue by:		
	Bin chen	
	Bill Chen /Project Engineer	-
	Evic Fu	
	Eric Fu /Reviewer	-



Unless otherwise-agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/an/Terms-and-Conditions.agox and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/an/Terms-and-Conditions/Terms-e-Document.asox. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined threaten. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's old responsibility is to its Client and this document does not exconent be reproduced except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) testing inspection report & certificate, please contact us at telephone; (86-756) 8307 1443, or email: CN\_DoccheckBess.com

No. 1 Workshop, Mr10, Middle Section, Science & Technology Park, Shenzhen, China 51:8057 t (86–755) 26012053 f (86–755) 26710594 www.sgrsgroup.com.on 中国·深圳·科技园中区M-10栋一号厂房 邮稿: 518057 t (86-755) 26012063 f (86-755) 26710594 sgs.china@sgs.com



Report No.: SZEM191202082204 Page: 3 of 9

### 2 Contents

1	1 COVER PAGE	1
2	2 CONTENTS	3
3	3 GENERAL INFORMATION	
	<ul> <li>3.1 DETAILS OF E.U.T.</li> <li>3.2 DESCRIPTION OF SUPPORT UNITS</li> <li>3.3 TEST LOCATION</li> <li>3.4 TEST FACILITY.</li> <li>3.5 DEVIATION FROM STANDARDS</li> <li>3.6 ABNORMALITIES FROM STANDARD CONDITIONS.</li> </ul>	
	3.2 DESCRIPTION OF SUPPORT UNITS	4
	3.3 Test Location	5
	3.4 Test Facility	5
	3.5 Deviation from Standards	5
	3.6 ABNORMALITIES FROM STANDARD CONDITIONS	5
4	4 EQUIPMENTS USED DURING TEST	
5	5 TEST RESULTS	
	5.1 RF Exposure test	7
	5.1.1 E.U.T. Operation	7
6	6 PHOTOGRAPHS- RF EXPOSURE SETUP	9



Unless otherwise-agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/an/Terms-and-Conditions.agox and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/an/Terms-and-Conditions/Terms-e-Document.asox. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined threaten. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's old responsibility is to its Client and this document does not exconent be reproduced except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) testing inspection report & certificate, please contact us at telephone; (86-756) 8307 1443, or email: CN\_DoccheckBess.com

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国 • 梁训 • 科技國中区M-10核一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 isgs.china@sgs.com



> Report No.: SZEM191202082204 Page: 4 of 9

# 3 General Information

#### 3.1 Details of E.U.T.

Power Supply:	AC Adapter:
	Model:EA1046SAR
	Input:AC 100-240V 1.5A 50/60Hz
	Output:DC 20V 2.25A
	Wireless Output:27W
Cable:	DC cable:95cm unshielded
Antenna Type:	Loop Antenna
Modulation Type:	Load Modulation
Operation Frequency:	123.25kHz to 161.3kHz
Antenna Gain:	0dBi

#### **Declaration of EUT Family Grouping:**

Model No.: Pro-wireless charger; PRO Wireless Charging Stand

Only the model Pro-wireless charger was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on product name and model name, plastics size

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Hand Held Massager	Theragun, Inc.	Theragun Pro	N/A



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.asgy and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-enDocument.asgy. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's one responsibility is to its Client and this document does not exonerate parties to a
transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report referonly to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing "Inspection report & certificate, please contact us at telephone: (86-753) 6307 1443.
or email: <u>CN. Deccheck@sgs.com</u> No.1 Workshop, M-10, Midde Section, Science & Teichnology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.on 中国 · 定圳 · 科技园中区M-10株一号厂房 邮编: 518057 t (86-755) 26012063 f (86-755) 26710594 sgs.china@sgs.com



Report No.: SZEM191202082204 Page: 5 of 9

#### 3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### 3.4 Test Facility

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

#### • A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### • VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

#### • FCC – Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

#### Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006. IC#: 4620C.

#### 3.5 Deviation from Standards

None.

#### 3.6 Abnormalities from Standard Conditions

None.



Unless otherwise-agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.scs.com/en/Terms-and-Conditions/Terms-en/Conditions/Terms-

No.1 Workshop, M-10, Midde Section, Spectro & Lectrology Pain, Stentzler, China 518057 1 (86-755)28012053 1 (86-755)28710594 www.sg-sgroup.com.cn 中国 · 莱利 · 科技国中区M-10核一号厂房 邮编: 518057 1 (86-755)28012053 1 (86-755)26710594 isgs.china@sgs.com



Report No.: SZEM191202082204 Page: 6 of 9

# 4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Shielding Room	SAEMC	MSR733	SEM001-09	2020-05-09
2	Electric and Magnetic Field Analyzer	Narda	EHP-50F	EMC092	2020-05-06



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.ggs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.ggs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) testing anspection report & certificate, please contact us at telephone; (86-753) 8307 1443, or email: CN\_Doccheck@gss.com

No.1Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国 • 梁圳 • 科技國中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 isgs.china@sgs.com



> Report No.: SZEM191202082204 Page: 7 of 9

#### **Test Results** 5

#### 5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310 Measurement Distance: 15cm Limit:

Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
(A) Limits for Occ	upational/Controlled Ex	posures	
614	1.63	*(100)	6
1842/f	4.89/f	*(900/f <sup>2</sup> )	6
61.4	0.163	1.0	6
/	/	f/300	6
/	/	5	6
(B) Limits for Genera	I Population/Uncontrolle	ed Exposure	
614	1.63	*(100)	30
824/f	2.19/f	*(180/f <sup>2</sup> )	30
27.5	0.073	0.2	30
/	/	f/1500	30
/	/	1.0	30
	(V/m) (A) Limits for Occ 614 1842/f 61.4 / / (B) Limits for Genera 614 824/f	(V/m)         (A/m)           (A) Limits for Occupational/Controlled Ex           614         1.63           1842/f         4.89/f           61.4         0.163           /         /           /         /           /         /           B) Limits for General Population/Uncontrolled           614         1.63           824/f         2.19/f	(A) Limits for Occupational/Controlled Exposures           614         1.63         *(100)           1842/f         4.89/f         *(900/f²)           61.4         0.163         1.0           /         /         /         f/300           /         /         5           (B) Limits for General Population/Uncontrolled Exposure         *(100)           824/f         2.19/f         *(180/f²)           27.5         0.073         0.2           /         /         /         f/1500

F=frequency in MHz

\*=Plane-wave equivalent power density

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

52% RH

#### 5.1.1 E.U.T. Operation

#### **Operating Environment:**

Temperature:	24.0 °C	Humidity:
--------------	---------	-----------

Atmospheric Pressure: 1015 mbar

#### **EUT Operation:**

This device has been tested with mobile phone at zero charge, intermediate charge, and full charge.



	Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions/Terms-Conditions/Terms-Conditions/Terms-and-Conditions/Terms-a	
1	or email: <u>CN_Decobeck/@sas.com</u> Not:Workshop, M10, Midd Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sg.sgroup.com.cn 中国 • 梁圳 • 科技国中区M-10核一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 isg.com	



> Report No.: SZEM191202082204 Page: 8 of 9

#### 5.1.2 Measurement Data

#### 1:Output Voltage=DC 18V; The max output power =27W Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)	50% Limit (A/m)
		Side 1	0.0626	0.815
		Side 2	0.0487	0.815
145 kHz	15	Side 3	0.0683	0.815
		Side 4	0.0509	0.815
		Тор	0.0364	0.815

Mobile phone has been charge at zero charge, intermediate charge, and full charge.

#### Magnetic Field Emissions

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50%Limit
			zero charge	intermediate charge	full charge	(A/m)
145 kHz	15	Side 1	0.0752	0.0608	0.0561	0.815
		Side 2	0.0605	0.0454	0.0418	0.815
		Side 3	0.0788	0.0657	0.0605	0.815
		Side 4	0.0605	0.0446	0.0411	0.815
		Тор	0.0459	0.0304	0.0266	0.815



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overlear, available on request or accessible at http://www.scs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.scs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, attention is drawn to the limitation of liability, indemnification and jurisdiction issues Cellined Interest.Aspx Attention is drawn to the limitation of liability, indemnification and jurisdiction issues Cellined Interest.Aspx Attention is a transaction contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent and this document does not excensive parties to a transaction from exercising all their rights and obligations under the transaction documents. This document to exconsi be reproduced except in full, without prior writem approval of the Company. Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tere retained for 30 days on). Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone; (86-753)8307 1443, or email: CN\_DoccheckBass.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 28012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国 • 菜圳 • 科技园中区M-10核一号厂房 邮编: 518057 t (86-755) 28012053 f (86-755) 26710594 isgs.cbina@sgs.com



Report No.: SZEM191202082204 Page: 9 of 9

## 6 Photographs- RF exposure setup

Refer to RF Exposure Setup Photos.

- End of the Report -



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.ggs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.ggs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) testing anspection report & certificate, please contact us at telephone; (86-753) 8307 1443, or email: CN\_Doccheck@gss.com

No.1Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.group.com.cn 中国 • 梁圳 • 科技國中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012063 f (86-755) 26710594 isgs.china@sgs.com