

# TEST REPORT

**Application No.:** FYCR2211000457AT (SGS SZ NO.: T52210330024EM)  
**Applicant:** SCX DESIGN  
**Address of Applicant:** 44 rue de la Jonquière Paris 75017 France  
**Manufacturer:** SCX DESIGN  
**Address of Manufacturer:** 44 rue de la Jonquière Paris 75017 France  
**Equipment Under Test (EUT):**  
**EUT Name:** WOODEN WIRELESS ECO CABLE  
**Model No.:** 32508/C40  
**PO No.:** 5481\_SCX  
**Shipment Order No.:** DP00045029  
**FCC ID:** 2A2OH-C4030L  
**Standard(s) :** 47 CFR PART 2, Subpart J, Section 2.1091  
47 CFR PART 1, Subpart I, Section 1.1310  
**Date of Receipt:** 2022-11-11  
**Date of Test:** 2022-11-15 to 2022-12-05  
**Date of Issue:** 2023-01-03

**Test Result:**

**Pass\***

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



Winkey Wang  
EMC Technical Manager



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## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR221100045703

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-01-03		Original

<b>Authorized for issue by:</b>			
		<i>Tree Zhan</i>	
		<b>Tree Zhan/Project Engineer</b>	
		<i>Winkey Wang</i>	
		<b>Winkey Wang/Reviewer</b>	



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### 3 General Information

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

Power supply:	Input:DC 5V/2A via USB-A or USB-C Output:DC 5V-1A/2A Wireless:5W
Cable(s):	Undetachable 3 in 1 output cable:about 100cm unshielded
Operational Frequency:	115.0kHz to 137.2kHz
Modulation Type:	Load Modulation
Antenna Type:	Loop Antenna

Remark: The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

#### 3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	Apple	A2167	REF. No.SEA01A01
mobile phone	SAMSUNG	Galaxy S9	R58M681WFNB
E-loading	SGS	N/A	REF. No.SEA42A00

#### 3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.



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### 3.4 Test Facility

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

• **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

• **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

### 3.5 Deviation from Standards

None

### 3.6 Abnormalities from Standard Conditions

None



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## 4 Equipment List

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	3m Anechoic Chamber	CRT	N/A	SEM001-13	2024/7/12
2	Electric and Magnetic Field Analyzer	Narda	EHP-200AC	SEM022-20	2023-04-01

### Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charge mode_Keep the EUT charging(5W)



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## 5 Radio Spectrum Matter Test Results

### 5.1 Magnetic field strength

Test Requirement 47 CFR PART 1, Subpart I, Section 1.1310

47 CFR PART 2, Subpart J, Section 2.1091

Measurement Distance: 15cm

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(i) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	<6
30-300	61.4	0.163	1.0	<6
300-1,500	/	/	f/300	<6
1,500-100,000	/	/	5	<6
<b>(ii) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	<30
30-300	27.5	0.073	0.2	<30
300-1,500	/	/	f/1500	<30
1,500-100,000	/	/	1.0	<30

f = frequency in MHz.

\* = Plane-wave equivalent power density.

The emissions should be within the limits at 300kHz in Table 1 Of 1.1310 (use the 300kHz limits for the lower frequencies)



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## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-01 Rev. A/0 Aug01,2022

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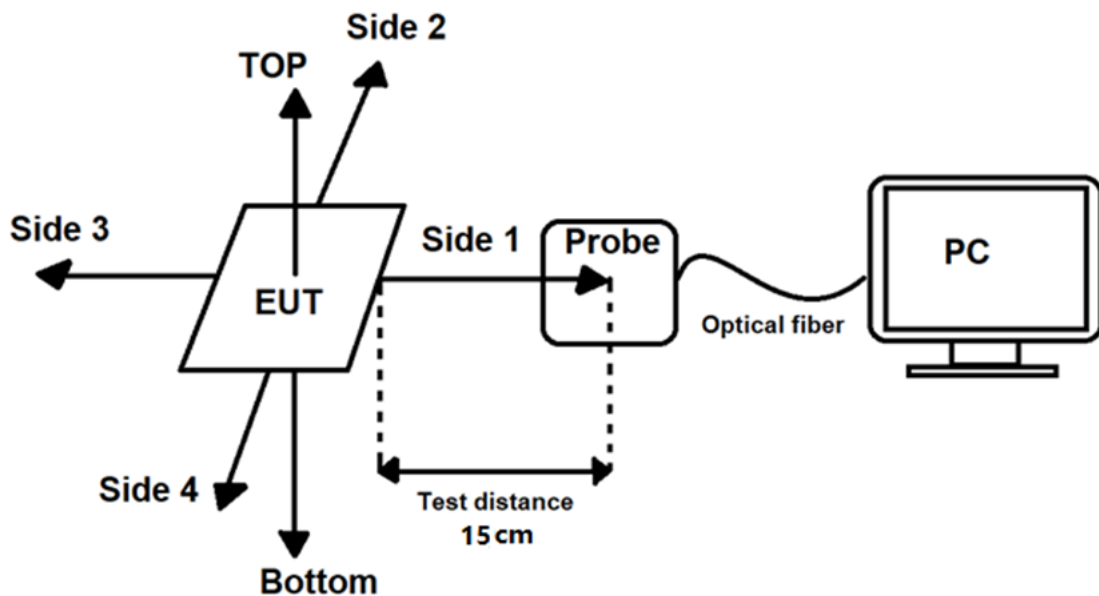
### 5.1.1 E.U.T. Operation

Operating Environment:

Temperature: 21.3 °C Humidity: 52.5 % RH Atmospheric Pressure: 1020 mbar

This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.

### 5.1.2 Test Setup Diagram



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**5.1.1 Measurement Procedure and Data**

**Input Voltage=DC 5V; The max output power =5W**

**Magnetic Field Emissions**

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result (A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			unload	Half load	full load		
			121 kHz which is the worst case within the operation frequency range	15	Side 1		
Side 2	0.039	0.045	0.056				
Side 3	0.036	0.042	0.052				
Side 4	0.037	0.042	0.052				
Top	0.036	0.045	0.049				

**Magnetic Field Emissions**

Operation frequency	Test Distance (cm)	Test Position	Probe Measure Result(A/m)			50 % Limit (A/m)	10 % Limit (A/m)
			zero charge	intermediate charge	full charge		
127 kHz which is the worst case within the operation frequency range	15	Side 1	0.050	0.042	0.033	0.815	0.163
		Side 2	0.046	0.039	0.031		
		Side 3	0.047	0.039	0.031		
		Side 4	0.051	0.042	0.034		
		Top	0.040	0.034	0.027		

- End of the Report -



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