

TEST REPORT



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1. Report No : DRTFCC2010-0313
2. Customer
 - Name : Sky Labs Inc.
 - Address : #703, 58, Pangyo-ro 255beon-gil Bundang-gu, Seongnam-si Gyeonggi-do South Korea
3. Use of Report : Class II Permissive Change
4. Product Name / Model Name : Heart Monitor / C0K1
FCC ID : 2AU9T-CART1C
5. FCC Regulation(s) : Part 1.1310
Test Method Used : KDB 680106 D01 v03
6. Date of Test : 2020.07.10
7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing
8. Testing Environment : See appended test report.
9. Test Result : Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

Affirmation	Tested by	Reviewed by
	Name : InHee Bae  (Signature)	Name : JaeJin Lee  (Signature)

2020 . 10 . 15 .

DT&C Co., Ltd.

Unconnected with KS Q ISO / IEC 17025 and KOLAS accreditation

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

Test Report Version

Test Report No.	Date	Description	Revised by	Reviewed by
DRTFCC2010-0313	Oct. 15, 2020	Initial issue	InHee Bae	JaeJin Lee

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1. Equipment information

1.1 Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705 kHz (DCD)
Product Name	CART-I
Model Name	C0K1
Add Model Name	C0K2, C0K3, C0K4, C0K5, C0K6, C0K7, C0K8
Serial Number	Identical prototype
Frequency	205 kHz
Output power	Max : 5 W
Power Supply	DC 5 V
Antenna type	Coil Antenna

1.2 Support equipment

Product Name	FCC ID	Manufacturer	Note
CART-I	2AU9T-CART1R	Sky Labs Inc.	-
-	-	-	-

Note: The above equipment was supported by manufacturer.

2. Information about test items

2.1 Test Configuration and Mode

•Test configuration

The field strength of both E-field and H-field were measured at 15 cm using RF exposure survey meter with E-field and H-field probes for determining compliance with the MPE requirements of FCC Part 1.1310.

These testing were performed at test configuration as test setup diagram on clause 3 of this test report.

The EUT has been tested together with the client device (FCC ID: 2AU9T-CART1R).

During measurements, the EUT was wirelessly charging a battery housed inside a client.

The EUT was periodically stopping the test and fully discharging the client devices before resuming the test.

This device uses a wireless charging circuit for power transfer operating at the frequency of 205 kHz. Thus, the 300 kHz RF exposure limits were used as below table.

• Limit

	Frequency	E-Field limit	H-Field limit
FCC Part 1.1310	300 kHz ~ 3 MHz	614 V/m	1.63 A/m

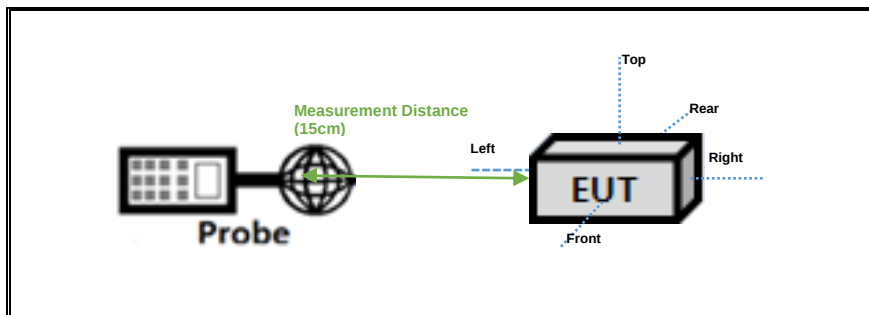
2.2 Tested environment

Temperature	: 24 °C
Relative humidity content	: 45 %
Details of power supply	: DC 5 V

3. E and H field strength

For RF exposure purposes, the E and H field strengths are measured separately with E and H probes and meters at different locations surrounding the test setup.

▪ Test setup diagram



▪ Measurement procedure: KDB 680106

These testing were performed at test configuration as above diagram.

EUT was placed on a turntable, and the measurement distance of 15 cm from the center of the probe to the edge of the device. And test was performed all sides of the EUT(except bottom side).

▪Measurement data:

Test Mode	E-field(V/m)					Limit(V/m)
	Front	Rear	Right	Left	Top	FCC
EUT with client	0.37	1.00	0.48	0.37	0.41	614
-	-	-	-	-	-	
-	-	-	-	-	-	

Test Mode	H-field(A/m)					Limit(A/m)
	Front	Rear	Right	Left	Top	FCC
EUT with client	0.100	0.120	0.050	0.060	0.060	1.63
-	-	-	-	-	-	
-	-	-	-	-	-	

•Test equipment list

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next. Cal.Date (yy/mm/dd)	S/N
EMF Meter	NARDA	ELT-400	19/12/10	20/12/10	N-0342
EMF probe	NARDA	B-Field Probe	19/12/10	20/12/10	M-0779
Broadband field meter	NARDA	NBM-550	19/12/16	21/12/16	E-1275
Broadband field probe	NARDA	EF-0391	19/12/16	21/12/16	D-0894
Thermohygrometer	BODYCOM	BJ5478	19/12/18	20/12/18	120612-2