

TEST REPORT



DT&C Co., Ltd.

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1. Report No : DRTFCC2002-0032

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 : FCC Original Grant

4. Product Name / Model Name : Heart Monitor / C0K1

FCC ID : 2AU9T-CART1C

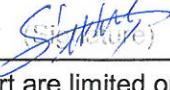
5. Test Method Used : KDB 680106 D01 v03

Test Specification : FCC Part 1.1310

6. Date of Test : 2019.11.11 ~ 2019.11.22

7. Testing Environment : See appended test report.

8. Test Result : Refer to the attached test result.

Affirmation	Tested by Name : JungWoo Kim 	Reviewed by Name : JaeJin Lee  + (Signature)
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Test Report Version

Test Report No.	Date	Description	Tested by	Reviewed by
DRTFCC2002-0032	Feb. 10, 2020	Initial issue	JungWoo Kim	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)
Equipment type	Heart Monitor
Equipment model name	C0K1
Equipment add model name	C0K2, C0K3, C0K4, C0K5, C0K6, C0K7, C0K8
Equipment serial no.	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

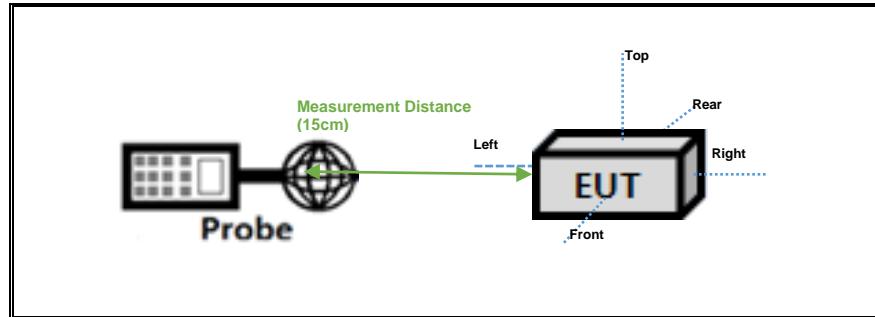
2.2 Tested environment

Temperature	: 23 ~ 25 °C
Relative humidity content	: 35 ~ 43 %
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	
EUT with client	0.36	0.95	0.40	0.32	0.43	614
-	-	-	-	-	-	
-	-	-	-	-	-	

Test Mode	H-field(A/m)					Limit(A/m)
	Front	Rear	Right	Left	Top	
EUT with client	0.090	0.120	0.060	0.060	0.070	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	18/12/10	19/12/10	N-0342
EMF probe	NARDA	B-Field Probe	18/12/10	19/12/10	M-0779
Broadband field meter	NARDA	NBM-550	17/12/27	19/12/27	E-1275
Broadband field probe	NARDA	EF-0391	17/12/27	19/12/27	D-0894
Thermohygrometer	BODYCOM	BJ5478	18/12/27	19/12/27	120612-2