

RF EXPOSURE REPORT

Applicant: IMEDIPLUS INC.
2F, 12, ShengYi Rd. Sec. 2, Chupei City, Hsinchu County
302, Taiwan(R.O.C.)

Product Name: CaRDIaRT Wireless 12-Lead Electrocardiograph Monitor

Brand Name: CaRDIaRT

Model No.: MCE12L001

Model Difference: N/A

Report Number: ER/2019/30146

FCC ID 2AM7N-MCE12L001A1

FCC Rule Part Part 2.1093

Issue Date: Jun. 13, 2019

Date of Test: Mar. 22, 2019 ~ Apr. 16, 2019

Date of EUT Received: Mar. 22, 2019

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation in this report is in compliance with FCC Rules Part 2.

The test results of this report relate only to the tested sample identified in this report.

Approved By: _____

John Yeh / Assistant Manager

John Teh



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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SGS Taiwan Ltd.

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Revision History

Report Number	Revision	Description	Effected Page	Issue Date	Revised By
ER/2019/30146	Rev.00	Initial creation of document	All	Jun. 13, 2019	Elle Chang

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

General:

Product Name:	CaRDlaRT Wireless 12-Lead Electrocardiograph Monitor
Brand Name:	CaRDlaRT
Model No.:	MCE12L001
Hardware Version:	N/A
Software Version:	N/A
Power Supply:	3Vdc from DC Power supply

Antenna Information:

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
Chip	N/A	Main	N/A	2.4GHz	5.05	V

Bluetooth BLE:

BT:	Freq. Range (MHz)	Channels	Data rate	Modulation Technology	Rated Power (Average) (dBm)	Worst Case
LE	2402-2480	40	BT 4.0	GFSK	3.89	V
			BT 5.0		3.90	

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2 FCC MAXIMUM PERMISSIBLE EXPOSURE (MPE)

2.1 FCC Standard Applicable

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a Mobile device, the MPE is required.

According to §1.1310 and §2.1091 RF exposure is calculated.

Limits for Maximum Permissive Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-15000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equipment power density

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2.2 Power Density Calculation (Worst Case)

Operation Mode	Evaluation Frequency (MHz)	Operation Distance (cm)	Max. output Power (dBm)	Antenna Gain (dBi)	Max. output Power EIRP (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass / Fail
BLE	2480.00	20	3.9	5.05	7.85	0.002	1.000	Pass

Note: For conservativeness, the lowest uplink frequency of each band is used to determine the MPE limit of that band.

~ End of Report ~

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