

## 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.

*John Yeh*  
Approved By: \_\_\_\_\_

**John Yeh / Assistant Manager**



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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## Revision History

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

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## Table of Contents

<b>1</b>	<b>DESCRIPTION OF EQUIPMENT UNDER TEST (EUT).....</b>	<b>4</b>
<b>2</b>	<b>FCC MAXIMUM PERMISSIBLE EXPOSURE (MPE) .....</b>	<b>5</b>
2.1	FCC STANDARD APPLICABLE .....	5
2.2	POWER DENSITY CALCULATION (WORST CASE) .....	6

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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	
			BT 5.0		3.90	V

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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 <sup>2</sup> )	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 <sup>2</sup> )	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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	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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