



F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

MPE REPORT

Manufacturing Address:	Defibtech, L.L.C. 741 Boston Post Road, Suite 201 Guilford, Connecticut 06437 USA
Applicant:	Same as Above
Product Name:	DDU-2000 Series Automated External Defibrillator
Product Description:	Portable, battery-operated AED
Operating Voltage/Freq. of EUT During Testing:	Battery-powered only-12VDC non-rechargeable
Model(s):	DDU-2300*, DDU-2200, DDU-2400, DDU-2450 <i>*Denotes actual model tested as representative of DDU-2000 Series product family. Model differences represent rescue features. Manufacturer states that all models have the same hardware and base software. All models have the same transmitter and transmitter behavior.</i>
FCC ID:	WMRDFB-2000A
IC:	7925A-DFB2000A
Testing Commenced:	2023-08-09
Testing Ended:	2023-08-14
Test Results:	In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- **KDB447498**
- **FCC 1.1310**
- **Safety Code 6**
- **RSS-102**



Order No(s): F2P28027A, F2P28027A-C1

Applicant: Defibtech, L.L.C.
Model: DSU-2300

Evaluation Conducted by:

Julius Chiller, Senior Wireless Project Engineer

Report Reviewed by:

Ken Littell, Vice President of Operations

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541

F2 Labs
8583 Zionsville Road
Indianapolis, IN 46268
Ph 317.610.0611

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio.

Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

Site description and attenuation data are on file with the Certification and Engineering Bureau, Industry Canada, Site Number 4730B.

1.2 Measurement Procedure:

All measurements were performed according to:

- KDB558074
- FCC 15.231
- RSS 210

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P28027A-04E	First Issue	2024-08-14	K. Littell



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498 FCC 1.1310 Safety Code 6 RSS-102	Complies

Modifications Made to the Equipment
None



3 ENGINEERING STATEMENT

This report has been prepared on behalf of Defibtech, L.L.C. to provide documentation for the calculations described herein, based on the measurements taken in supporting Test Reports. This equipment has been tested and calculations were found to comply with KDB447498, FCC 1.1310, Safety Code 6 and RSS-102. The test results found in this test report relate only to the item(s) tested.



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: DDU-2000 Series Automated External Defibrillator

Model(s): DDU-2300*, DDU-2200, DDU-2400, DDU-2450

*Denotes actual model tested as representative of DDU-2000 Series product family. Model differences represent rescue features. Manufacturer states that all models have the same hardware and base software. All models have the same transmitter and transmitter behavior.

Serial No.: 400122277

FCC ID: **WMRDFB-2000A**

IC: **7925A-DFB2000A**

4.2 Trade Name: Defibtech

4.3 Power Supply: Battery-powered only-12VDC non-rechargeable

4.4 Applicable Rules:

- KDB447498
- FCC 1.1310
- Safety Code 6
- RSS-102

4.5 Equipment Category: Intermittent Transmitter

4.6 Antenna: 0dBi integral antenna

4.7 Accessories:

Device	Manufacturer	Model Number	Serial Number
Battery	Defibtech, L.L.C.	DBP-2003	430181900

4.8 Test Item Condition:

The equipment to be tested was received in good condition.

**5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN****5.1 Requirements: Distance used is 20cm**

$$P(dBm) = E(dBuV/m) + 20 \log(d) - G - 104.77$$

$$78.5 + 9.542425 + 0 - 104.77 = -16.73 \text{ dBm}$$

$$P(dBm) = -16.73 \text{ which is } 0.022 \text{ mW}$$

Power is less than 1mW and is exempt from the RF Exposure at any distance.

FCC	
Limit:	0.289mW/cm ²
Formula used for result:	$\frac{E.I.R.P.}{4 \pi R^2}$
Results:	$E.I.R.P. = 0.022 \text{ mW}$ $\frac{0.022 \text{ mW}}{4 \pi R^2} = \frac{0.022 \text{ mW}}{5026.55} = 0.0000043 \text{ mW/cm}^2$

IC	
Limit:	1.66W/m ²
Formula used for result:	$\frac{E.I.R.P.}{4 \pi R^2}$
Results:	$E.I.R.P. = 0.022 \text{ mW}$ $\frac{0.022 \text{ mW}}{4 \pi R^2} = \frac{0.022 \text{ mW}}{5026.55} = 0.000043 \text{ W/m}^2$