

REM-EMIESS22O779DIS-02Av0

MPE test report

According to the standard:
CFR 47 FCC PART 15

Equipment under test:
Dexter Surgical System – Patient cart

FCC ID: *2BCEADM-L6001*

Company:
DISTALMOTION

Distribution: Mr MONTAVON

(Company: DISTALMOTION)

Number of pages: 7 with 1 appendix

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			Name and Function	Visa
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This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

Information in italics are declared by the manufacturer/customer and are under his responsibility

DESIGNATION OF PRODUCT: *Dexter Surgical System – Patient Cart*

Serial number (S/N): 11244

Reference / model (P/N): DM-L6

Trade mark: Dexter

Software/Firmware version: SW 006.000 RC1 with special configuration for PC-H

MANUFACTURER: DISTALMOTION

COMPANY CERTIFYING THE PRODUCT:

Company: Distalmotion US Inc.

Address: 251 Little Falls Drive
c/o Corporation Service Company
Wilmington, DE 19808
United State

Responsible: Mr CARRIER

COMPANY SUBMITTING THE PRODUCT:

Company: DISTALMOTION

Address: Route de la Corniche 3B
Bâtiment Phenyl
1066 EPALINGES - Suisse

Responsible: Mr MONTAVON

Person(s) present during the tests: Mr MONTAVON

DATES OF TEST: From 18-Jan-23 to 20-Jan-23

TESTING LOCATION:

EMITECH CHASSIEU laboratory at CHASSIEU (69) FRANCE
FCC Accredited under US-EU MRA Designation Number: FR0013
Test Firm Registration Number: 807590

TESTED BY:

T. LEDRESSEUR

VISA:**WRITTEN BY:**

T. LEDRESSEUR

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REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	29-Sep-23	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **Dexter Surgical System – Patient cart**, in accordance with normative reference.

The equipment under test integrates:

- 13.56MHz NFC Reader function not already certified,

2. PRODUCT DESCRIPTION

Class:	A
Utilization:	Specialized medical device
Antenna type and gain:	0 dBi / integral antenna PCB antenna
Operating frequency range:	From 13.110 MHz to 14.010 MHz
Number of channels:	1
Channel spacing:	Not concerned
Modulation:	ASK
Power source:	120 Vac - 60 Hz

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below.

They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

CFR 47 ([2023](#))

Radio Frequency Devices

ANSI C63.10

2013

Procedures for Compliance Testing of Unlicensed Wireless Devices.

447498 D01 General RF
Exposure Guidance v06

RF Exposure procedures and equipment authorization policies for mobile and portable equipment

4. RF EXPOSURE

In accordance with KDB 447498 D01 General RF Exposure Guidance v06, Paragraph 4.3.1.

The product must respect the exclusion limit for 10-g extremity SAR and a separation distances less than 50mm:

Maximum measured power = 45.91 dB μ V/m = **6.58 x 10⁻⁷ mW** at 13.56 MHz.
with $P = (E \times d)^2 / (30 \times G_p)$ with $d = 10\text{ m}$ and $G_p = 1$

The power threshold determined by the equation in 4.3.1.c) 1) for 50 mm and 100 MHz is multiplied by ½

According this formula:

Power threshold, mW = $\left[\left[\frac{(50 \times 7.5)}{\sqrt{0.100}} \right] + (50 - 50) \times (100 / 150) \right] \times [1 + \log(100 / 0.1342)] \times \frac{1}{2}$
Power threshold, mW = 2295.96 mW

The equipment fulfils the requirements on maximum conducted or equivalent isotropically radiated power (e.i.r.p) for general population/uncontrolled exposure and therefore fulfils the requirements of 47 CFR §1.1310 at the distance greater than 5 mm between the user and the antenna.