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

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval Name and Function / Visa
0	29-Sep-23	Creation	J.C. BOGA, Laboratories Manager

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S51 RTY 000 EMF 00006 [03]

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 CERTIFING 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

CONTENTS

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 ComplianceTesting 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 dBµV/m = **6.58 x 10-7 mW** at 13.56 MHz.
with $P = (E \times d)^2 / (30 \times Gp)$ *with d = 10 m and Gp = 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 = [[[(50*7.5) / √ (0.100)] + (50-50) * (100/150)] * [1 + log(100/0.1342)] * ½]
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.