SAR Exemption Evaluation

Applicant	Carestream Health, Inc.
FCC ID	U72MTMGLM
Product	Remote control
Brand	Carestream
Model	RMT1
Report No.	R2110A0882-S1V2
Issue Date	April 4, 2023

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	March 2, 2023
Rev.1	Update Antenna Gain and data.	March 28, 2023
Rev.2	Update description and data.	April 4, 2023
Note: This revised report (Report No.: R2110A0882-S1V2) supersedes and replaces the previously issued report (Report No.: R2110A0882-S1V1). Please discard or destroy the previously issued report and dispose of it accordingly.		

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City:	Shanghai
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Description of Equipment Under Test

Client Information

Applicant	Carestream Health, Inc.
Applicant address	1049 Ridge Road West, Rochester,New York
Manufacturer	Carestream Health, Inc.
Manufacturer address	1049 Ridge Road West, Rochester,New York

General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	RMT1
Lab internal SN	R2110A0882/S01
Hardware Version	D
Software Version	N/A
Antenna Type	Internal Antenna
Date of Testing	February 2, 2023
Date of Sample Received	October 12, 2021
Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology	Modulation	Tx (MHz)	Rx (MHz)
RFID	/	433.90MH±250KHz	/

3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

4 Output Power

Carrier Frequency (MHz)	Max.E-field strength (dBμV/m)
433.90	83.712

The worst-case peak radiated emission for the EUT is 83.712 dBμV/m in the frequency 433.90MHz according to RF Report.

EIRP [dBm] = E [dBμV/m] − 95.2 = -11.488 dBm
Gain= -6.95dBi
So
Maximum Output Power= EIRP - Gain = -4.538 dBm

5 Standalone SAR Test Exclusion Considerations

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Distance (mm)	MAX Power (dBm)	Frequency (MHz)	Ratio	Evaluation
RFID	Body	5	-4.538	433.90	0.05	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine RF exposure evaluation.

******END OF REPORT ******

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.