SAR Exemption Evaluation

Applicant	Shenzhen D-Health Medical Technology Co., Ltd.
FCC ID	2BD8CPM6100
Product	Patient Monitor
Brand	BERRY®
Model	PM6100; PM6100A; AM6200
Report No.	R2404A0388-S1
Issue Date	May 28, 2024

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1 Test Laboratory

1.1 Notes of the Test Report

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1.2 Test Facility

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

Eurofins 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:	Eurofins TA Technology (Shanghai) Co., Ltd.
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
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.	

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2 Description of Equipment Under Test

Client Information

Applicant	Shenzhen D-Health Medical Technology Co., Ltd.
Applicant address	Unit 501, No. 1 Juyin Technology Industrial Plant, Jihua Street, Longgang District, Shenzhen, China
Manufacturer	Shanghai Berry Electronic Tech Co., Ltd
Manufacturer address	Unit 104, 1st Floor, 7th Building, No.1188 Lianhang Road, Minhang District,Shanghai

General Technologies

EUT Stage	Identical Prototype
Model	PM6100; PM6100A; AM6200
SN	M6000451
Hardware Version	V3.3
Software Version	PM6100; PM6100A: V2.53.00.00 AM6200: V1.55.00.00
Antenna Type	Ceramic Chip Antenna
Date of Testing	April 16, 2024
Date of Sample Received	April 15, 2024
Note: The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

The differences between models are shown in the table below:

Item \ Model	PM6100	PM6100A	AM6200
SW Version	V2.53.00.00	V2.53.00.00	V1.55.00.00
SpO_2 (Arterial oxygen saturation in the blood)	√	√	√
PR/HR (Heart Rate or Pulse Rate)	√	√	√
NIBP (non-invasive blood pressure)	√	√	√
TEMP (body temperature)	√	×	√
Communication (Bluetooth)	√	√	√
RESP (Respiration rate)	√	√	√
Appearance	The same		Different
Others	The same		
Note: This report only tests PM6100.			

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Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating Mode	Tx (MHz)
Bluetooth	2.4G	Version 5.0 LE		2402 ~2480

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3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

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4 Output Power

BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz
GFSK	2.63	3.26	3.47

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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	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Ratio	SAR test exclusion thresholds	Evaluation
Bluetooth	Body	2480	10	3.47	0.35	3	No
	Extremity SAR	2480	5	3.47	0.70	7.5	No

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

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ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

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

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