



SAR Exemption

REPORT

FOR

Product Name: Bluetooth Dongle

Model : DC-BT1.0
Trade Name: DCBM

Issued to

DailyCare BioMedical Inc.
7F., No. 1, Ding' an Rd., Zhongli Dist., Taoyuan City 320, Taiwan (R.O.C.)

Issued by

Global Certification Corp.
No.146, Sec. 2, Xiangzhang Rd., Xizhi Dist., New Taipei City 221,
Taiwan (R.O.C.)



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Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
1.	740508	740508	Aug. 29, 2017	Original Report	Michelle



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1. GENERAL INFORMATION

Applicant : DailyCare BioMedical Inc.

Address : 7F., No. 1, Ding'an Rd., Zhongli Dist., Taoyuan City 320,
Taiwan (R.O.C.)

Manufacturer : DailyCare BioMedical Inc.

Address : 7F., No. 1, Ding'an Rd., Zhongli Dist., Taoyuan City 320,
Taiwan (R.O.C.)

EUT : Bluetooth Dongle

Model No. : DC-BT1.0

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2014. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

KDB 447498 D01

Tested By:

Approved by:

Aug. 29, 2017
Date



Eason Hsu, Engineer

Aug. 29, 2017
Date



Adam Chou, Manager

Designation Number: TW1089



1.1 DESCRIPTION OF THE TESTED SAMPLES

EUT Name : Bluetooth Dongle
Model Number : DC-BT1.0
FCC ID : MWI2010BT01
Input Voltage : 3.3 Vdc
Power From ☒Inside ☐Outside
☐Adaptor ☒BATTERY ☐Power Supply ☐DC Power Source ☐Support
Unit PC
Operate Frequency : Refer to the channel list as described below
Number of Channels : 79
Channel spacing : ☐N/A ☒ 1 MHz
Modulation Type : FHSS(GFSK)
Antenna Type : ☐integral antenna: ☒PCB Printing ☐a dedicated antenna
Antenna gain : -6.28dBi



2. GENERAL SAR TEST REDUCTION AND EXCLUSION GUIDANCE

2.1 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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

- $[\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²¹ where $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²²
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and

for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation

distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

2.2 At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following

- $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]$ mW, at 100 MHz to 1500 MHz
- $[\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10]$ mW at > 1500 MHz and ≤ 6 GHz

2.3 At frequencies below 100 MHz, the following may be considered for SAR test exclusion

- The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances > 50 mm and < 200 mm
- The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances ≤ 50 mm
- SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

3. SAR TEST EXCLUSION THRESHOLDS



The min. test separation distance is 5mm.

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, } 0.32\text{mW})}{\text{(min. test separation distance, 5mm)}} \right] \left[\sqrt{f(2.4\text{GHz})} \right] = 0.1 < 3.0 \text{ for 1-g SAR}$$