



## **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:**

Aug. 29, 2017  
**Date**

**Approved by:**

Aug. 29, 2017  
**Date**

*Eason Hsu.*  
Eason Hsu, Engineer

*Adam Chou*  
Adam Chou, Manager  
Designation Number: TW1089



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### **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 $\leq$ 50 mm are determined by:**

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

- $[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR,<sup>21</sup> where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>22</sup>
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  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  $\leq$  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  $\leq$  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.

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