

# RF Exposure Evaluation Report

Product Name : Automatic Upper Arm Blood Pressure Monitor  
Model No. : HL858DM  
FCC ID : 2ABTAHNL85DM1

Applicant : Health & Life Co., Ltd.

Address : 9F, No. 186, Jian Yi Road, Zhonghe District, New Taipei City 23553, Taiwan

Date of Receipt : May 24, 2022  
Date of Declaration : Jun. 27, 2022  
Report No. : 2250736R-RFUSMPEV02-A  
Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Jun. 27, 2022

Report No.: 2250736R-RFUSMPEV02-A



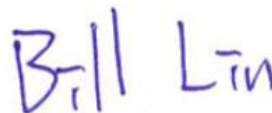
Product Name	Automatic Upper Arm Blood Pressure Monitor	
Applicant	Health & Life Co., Ltd.	
Address	9F, No. 186, Jian Yi Road, Zhonghe District, New Taipei City 23553, Taiwan	
Manufacturer	Health & Life Co., Ltd.	
Model No.	HL858DM	
FCC ID.	2ABTAHNL85DM1	
Trade Name	Health & Life	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance $\geq 20$ cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

Documented By :



( Senior Project Specialist / Joanne Lin )

Tested By :



( Senior Engineer / Bill Lin )

Tested By :



( Senior Engineer / Alan Chen )

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## Revision History

Report No.	Version	Description	Issued Date
2250736R-RFUSMPEV02-A	V1.0	Initial issue of report.	Jun. 27, 2022

## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Automatic Upper Arm Blood Pressure Monitor
Trade Name	Health & Life
Model No.	HL858DM
FCC ID.	2ABTAHNL85DM1
Frequency Range	2402-2480MHz
Channel Number	Bluetooth V4.2: 40CH
Type of Modulation	Bluetooth V4.2: GFSK(1Mbps)
Antenna Type	PCB Antenna
Channel Control	Auto
Antenna Gain	Refer to the table "Antenna List"

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	LaBest Technology Inc.	LB-BLE-006	PCB Antenna	2.23dBi for 2.4GHz

## 1.2. Test Facility

**USA** : **FCC Registration Number: TW0033**

**Canada** : **CAB Identifier Number: TW3023 / Company Number: 26930**

Site Description : Accredited by TAF  
Accredited Number: 3023

Test Laboratory : DEKRA Testing and Certification Co., Ltd  
Address : No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451,  
Taiwan

Performed Location : No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan,  
R.O.C.

Phone number : +886-3-275-7255

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Email address : [info.tw@dekra.com](mailto:info.tw@dekra.com)

Website : <http://www.dekra.com.tw>

## 2. RF Exposure Evaluation

### 2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

### 2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 ( $\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$ ), SAR is required as shown in the table below where calculated values are greater than 3.0:

- 1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,  
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Antenna Gain (dBi)	Output power				SAR Test Exclusion Threshold (mW)	Calculated Threshold Value ( $\leq 3.0$ SAR is not required)
		Conducted (dBm)	Conducted (mW)	EIRP (dBm)	EIRP (mW)		
2402	2.23	-1.56	0.70	0.67	1.17	10	0.362

Note 1: No RF Exposure evaluation required since maximum Transmitter Pout (both conducted and EIRP) is below exclusion threshold.

Note 2: The SAR/MPE measurement is not necessary.

Note 3: The maximum output power is refer to report No.: 2250736R-RFUSBLEV01-A from the DEKRA.