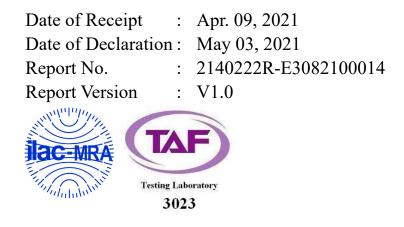


# **RF Exposure Evaluation Report**

Product Name : Automatic Wrist Blood Pressure MonitorModel No.: HL158LDFCC ID: 2ABTAHNL15LD1

Applicant : Health & Life Co. Ltd. Address : 9F., No. 186, Jian Yi Road, Zhonghe District, New Taipei City, Taiwan



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: May 03, 2021 Report No.: 2140222R-E3082100014

>	DEKRA
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Product Name	Automatic Wrist Blood Pressure Monitor			
Applicant	Health & Life Co. Ltd.			
Address	9F., No. 186, Jian Yi Road, Zhonghe District, New Taipei City, Taiwan			
Manufacturer	Health & Life Co. Ltd.			
Model No.	HL158LD			
FCC ID.	ABTAHNL15LD1			
Trade Name	Health & Life			
Applicable Standard	KDB 447498 D01 v06□Minimum test separation distance ≥ 20 cm☑For low power devices			
Test Result	Complied			
Documented By	Jinn Chen			
Tested By	(Senior Adm. Specialist / Jinn Chen) : Wentee			
	( Senior Engineer / Wen Lee )			
Approved By	Hond			
	(Director / Vincent Lin)			



## **Revision History**

Report No.	Version	Description	Issued Date
2140222R-E3082100014	V1.0	Initial issue of report.	May 03, 2021



#### 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Automatic Wrist Blood Pressure Monitor
Trade Name	Health & Life
Model No. HL158LD	
FCC ID. 2ABTAHNL15LD1	
Frequency Range	2402-2480MHz
Channel Number	V4.2: 40CH
Type of Modulation	V4.2: GFSK(1Mbps)
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table "Antenna List"

#### Antenna List

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

#### 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 (Power(mW)/separation (mm)\*sqrt(f(GHz) $\leq$ 3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm

	Maximum peak output power			SAR Test	Calculated Threshold	
Frequency Band	Peak Gain: 2.23dBi		Exclusion Threshold	Value		
(MHz)	conducted	EIRP	EIRP		$(\leq 3.0 \text{ SAR is not})$	
	(dBm)	(dBm)	(mW)	(mW)	required)	
2402	2.82	5.05	3.20	10	0.992	

Body SAR Test Exclusion Threshold = 10mW

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2140222R-E3032110108 from the DEKRA.