

RF Exposure Evaluation declaration

Product Name : Automatic Upper Arm Blood Pressure Monitor
Model No. : HL858CJ
FCC ID : 2ABTAHNL85CJ

Applicant : Health & Life Co. Ltd.

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

Date of Receipt : Mar. 26, 2019
Date of Declaration : May 10, 2019
Report No. : 1930421R-SAUSP03V00
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 of the equipment and evaluated measurement uncertainty herein.

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Issued Date: May 10, 2019

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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.	HL858CJ
FCC ID.	2ABTAHNL85CJ
Trade Name	Health & Life
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

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Tested By : wen Lee
(Senior Engineer / Wen Lee)

Approved By : Vincent Lin
(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Automatic Upper Arm Blood Pressure Monitor
Model No.	HL858CJ
Trade Name	Health & Life
FCC ID	2AAD3B01C0Z
Frequency Range	2402 – 2480MHz
Channel Number	V4.0: 40CH
Type of Modulation	V4.0: GFSK(1Mbps)
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

1.2. Antenna List :

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	LaBest Technology Inc.	LB-BLE-005	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 ($\text{Power(mW)}/\text{separation (mm)}*\sqrt{f(\text{GHz})}\leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

- 1.) Operation frequency = 2441MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum PK output power Peak Gain: 2.23dBi			SAR Test Exclusion Threshold (mW)	Calculated Threshold Value (≤ 3.0 SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)		
2402~2480	1.63	3.86	2.43	10	0.766

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted maximum peak output power is refer to report No.: 1930421R-RFUSP01V00 from the DEKRA.