RF Exposure Evaluation Report

Product Name	Automatic Upper Arm Blood Pressure Monitor
Model No.	HL858CP
FCC ID	2ABTAHNL85CP

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

Date of Receipt	Oct. 22, 2018
Date of Declaration	Nov. 26, 2018
Report No.	18A0293R-SAUSP03V00

Issued Date: Nov. 26, 2018
Report No.: 18A0293R-SAUSP03V00

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, Taiwan
Manufacturer	Health & Life CO., LTD.
Address	9F., No.186, Jian Yi Road, Zhonghe District, New Taipei City, Taiwan
Name and address of factory (ies) :	#1 Health & Life (Suzhou) Co., Ltd. No.1428 Xiang Jiang Road, Suzhou New District, Suzhou City 215129, Jiangsu Province, China #2 LIVING SCIENCE CO., LTD. No.1428 Xiang Jiang Road, Suzhou New District Suzhou City 215129, Jiangsu Province, China
Model No.	HL858CP
FCC ID.	2ABTAHNL85CP
Trade Name	Health & Life
Applicable Standard	FCC 47 CFR 1.1307 KDB 447498 D01 v06
Test Result	Complied

Documented By : Jinn Chen

(Senior Adm. Specialist / Jinn Chen)

Tested By : wen Lee

(Senior Engineer / Wen Lee)

Approved By :

(Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Automatic Upper Arm Blood Pressure Monitor
Trade Name	Health & Life
Model No.	HL858CP
FCC ID.	2ABTAHNL85CP
Frequency Range	2402 – 2480MHz
Channel Number	V4.0: 40CH
Type of Modulation	V4.0: GFSK(1Mbps)
Antenna Type	PCB Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	SIGNAL ELECTRONICS CO., LTD.	SMD8105-A0X	PCB Antenna	-2.39556dBi for 2.4 GHz

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)≤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,
Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum peak output power		Body SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	conducted (dBm)	conducted (mW)	(mW)	
2402	-3.29	0.47	10	0.145

Note1: The SAR/MPE measurement is not necessary.

Note2: The conducted maximum peak output power is refer to report No.: 18A0293R-RFUSP01V00 from the DEKRA.