

EMF TEST REPORT

Test Report No. : OT-212-RWD-075
Reception No. : 2101000270
Applicant : Charmcare Co.,Ltd.
Address : (Gasan-dong, Woolim Lions2-cha), 714, 2, Gasandigital1-ro, Guemcheon-gu, Seoul, Korea
Manufacturer : Charmcare Co.,Ltd.
Address : (Gasan-dong, Woolim Lions2-cha), 714, 2, Gasandigital1-ro, Guemcheon-gu, Seoul, Korea
Type of Equipment : Automated electronic sphygmomanometer
FCC ID. : 2AUYU-4A01
Model Name : H2-BP
Multiple Model Name : H2-BPL
Serial number : N/A
Total page of Report : 7 pages (including this page)
Date of Incoming : January 29, 2021
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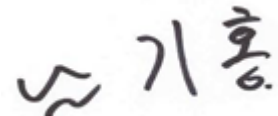
SUMMARY

The equipment complies with the regulation; *FCC PART 15 SUBPART C Section 15.247*

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.





Tested by
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 ONETECH Corp.

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-212-RWD-075	February 18, 2021	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : Charmcare Co.,Ltd.
 Address : (Gasandong, Woolim Lions2-cha), 714, 2, Gasandigital1-ro, Guemcheon-gu, Seoul, Korea
 Contact Person : DongHwa Lee / CEO
 Telephone No. : +82-70-4742-7878
 FCC ID : 2AUYU-4A01
 Model Name : H2-BP
 Brand Name : N/A
 Serial Number : N/A
 Date : February 18, 2021

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Automated electronic sphygmomanometer
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. GENERAL INFORMATION

2.1 Product Description

The Charmcare Co.,Ltd., Model H2-BP (referred to as the EUT in this report) is a Automated electronic sphygmomanometer. The product specification described herein was obtained from product data sheet or user’s manual.

Device Type	Automated electronic sphygmomanometer
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-3.65 dBm
Number of Channel	40 Channels
Modulation Type	GFSK
Antenna Type	Chip Antenna
Antenna Gain	0.5 dBi
Rated Supply Voltage	DC 3.7 V
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	32 MHz, 64 MHz

2.2 Alternative type(s)/model(s); also covered by this test report.

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
H2-BP	Basic Model	<input checked="" type="checkbox"/>
H2-BPL	This model is identical to the basic model except for the difference of Product size depending on the wrist size.	<input type="checkbox"/>

Note: 1. Applicant consigns only basic model to test. Therefore this test report just guarantees the units, which have been tested.

2. The Applicant/manufacturer is responsible for the compliance of all variants.

3. EUT MODIFICATIONS

-. None

4. RF EXPOSURE EVALUATION

4.1 RF Exposure Calculation

According to the FCC rule §1.1310, the limit for General Population/Uncontrolled exposure is 1 mW/cm² for the device operating 1 500 ~ 100 000 MHz.

4.2 EUT Description

Kind of EUT	Automated electronic sphygmomanometer
Device Category	<input checked="" type="checkbox"/> Portable (< 20 cm separation) <input type="checkbox"/> Mobile (> 20 cm separation) <input type="checkbox"/> Others
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> SAR Test Exclusion Evaluation

4.3 Test Result of SAR Exclusion for Devices

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

$$[(\text{Max. Power of channel, including tune-up tolerance, mW}) / (\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= (0.54/5) \times \sqrt{2.402} = 0.17$$

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.

Mode	Frequency (MHz)	Target Power W/tolerance (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Separation distance (mm)	RF exposure
BLE	2 402	-3.65 ± 1.0	-2.65	0.54	5	0.17