

Health & Life Co. Ltd.

# TEST REPORT

**SCOPE OF WORK:**

FCC 2.1093 – RF Exposure Evaluation Report

**Model:**

HL710H

**REPORT NUMBER**

210300159TWN-001

**ISSUE DATE**

May 20, 2021

**PAGES**

6

**DOCUMENT CONTROL NUMBER**

GFT-OP-10h (28-Nov-2018)

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## RF Exposure Evaluation Report

<b>Applicant:</b>	Health & Life Co. Ltd. 9F , No. 186 Jian Yi Road, Zhonghe District, New Taipei City, Taiwan
<b>Product:</b>	Non-Contact Infrared Thermometer
<b>Model No.:</b>	HL710H
<b>FCC ID:</b>	2ABTAHNL71H
<b>Test Method/ Standard:</b>	FCC 2.1093 KDB 447498
<b>Test By:</b>	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li, Shiang-Shan District, Hsinchu City, Taiwan



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### Revision History

Report No.	Issue Date	Revision Summary
210300159TWN-001	May 20, 2021	Original report

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## 1. General Information

### 1.1 Identification of the EUT

<b>Product:</b>	Non-Contact Infrared Thermometer
<b>Model No.:</b>	HL710H
<b>Operating Frequency:</b>	2402 MHz ~ 2480 MHz
<b>Channel Number:</b>	40 channels for 2402 MHz ~ 2480 MHz
<b>Rated Power:</b>	DC 3V
<b>Power Cord:</b>	N/A
<b>Sample receiving date:</b>	2021/03/18
<b>Sample condition:</b>	Workable
<b>Test Date(s):</b>	2021/05/14

### 1.2 Antenna description

Antenna Gain : -1.61dBi  
Antenna Type : Printed Antenna  
Connector Type : Fixed

## 2. Test specifications

### 2.1 RF Exposure calculations

According to KDB 447498 D01 , Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

Clause 4.3: General SAR test reduction and exclusion guidance Sub , clause 4.3.1: Standalone SAR test exclusion considerations

a) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance  $\leq 5$  mm are determined by:

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR}$$

$$\left[ \frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation, mm}} \right] \cdot \sqrt{f(\text{GHz})} \leq 7.5.0 \text{ for 10-g SAR}$$

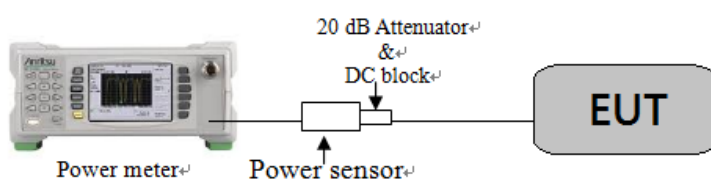
### 2.2 Operation mode

Press button command to select different frequency and modulation.

### 2.3 Test equipment

Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
Power Meter	Anritsu	ML2495A	0844001	2020/10/28	2021/10/27
Power Sensor	Anritsu	MA2411B	0738452	2020/10/28	2021/10/27

### 2.4 Test Set-up



### 3. Test results

Mode	Frequency (GHz)	Conducted Power (dBm)	Distance (mm)	Tune-up Tolerance (dBm)	Max Power (dBm)	Max Power (mW)	Result	SAR Test Exclusion Threshold	Exempt from Test
BLE	2.402~2.480	4.45	5	1	5.45	3.51	1.10	3.00	Yes