

FCC RF EXPOSURE REPORT

FCC ID: 2AJUYMS200118

Project No. : 2406C190
Equipment : 2-IN-1 WIRELESS THERMOMETER AND PH READER
Brand Name : Mainstays
Test Model : FL1058
Series Model : N/A
Applicant : Velong Enterprises Co.,Ltd
Address : No.3-7 west of 5th Najin Rd., North of 4th Huoda Rd., Nahou Industrial Zone, Yangdong District, Yangjiang City
Manufacturer : Ningbo Shuanghe Hongsheng Electronic Technology Co.,Ltd
Address : 2 Binxi South Road, Dayin Town Yuyao City, Zhejiang Province China
Factory : Ningbo Shuanghe Hongsheng Electronic Technology Co.,Ltd
Address : 2 Binxi South Road, Dayin Town Yuyao City, Zhejiang Province China
Date of Receipt : Jun. 24, 2024
Date of Test : Jun. 27, 2024 ~ Jul. 10, 2024
Issued Date : Aug. 01, 2024
Report Version : R00
Test Sample : Engineering Sample No.: DG20240624125
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Prepared by

:

Evan Yang
Evan Yang

Approved by

:

Chay Cai
Chay Cai

Room 108, Building 2, No. 1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong
People's Republic of China

Tel: +86-769-8318-3000

Web: www.newbtl.com

Service mail: btl_qa@newbtl.com

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2406C190	R00	Original Report.	Aug. 01, 2024	Valid

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

2. ANTENNA SPECIFICATION

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	Shenzhen Longdazhi Technology Co., LTD	N/A	Helical	N/A	2

Note: The antenna gain is provided by the manufacturer.

3. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	-16.13	0.0246	0.00001	1	Complies

Note:

- 1) Max. Peak Output Power(dBm) = Field Strength+20log(d)-104.8, where d is the measurement distance, Max. Field Strength@3m=79.17dBuV/m. So Max. Peak Output Power(dBm)= -16.09 dBm
- 2) The calculated distance is 20 cm.

End of Test Report