# RF EXPOSURE REPORT

For

# ZHEJIANG YANKON GROUP CO.,LTD

No.208 Tongjiang Middle Road, Shangyu Economic Development Zone, SHAOXING, ZHEJIANG, China

## FCC ID: 2AL76-YGRF433

| Report Type: | Product Name: |
|---|---|
| Original | Remote controller |

| | |
|---|---|
| **Report Number:** | 2507P38220E-RF-02 |
| **Report Date:** | 2025-02-19 |
| **Reviewed By:** | Ash Lin |
| **Approved By:** | Miles Chen |
| **Prepared By:** | Bay Area Compliance Laboratories Corp. (Xiamen) Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen Tel: +86-592-3200111 www.baclcorp.com.cn |

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# REPORT REVISION HISTORY

| Number of Revisions | Report No. | Version | Issue Date | Description |
|---|---|---|---|---|
| 0 | 2507P38220E-RF-02 | R1V1 | 2025-02-19 | Initial Release |

# GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

| | |
|---|---|
| Applicant: | ZHEJIANG YANKON GROUP CO.,LTD |
| Product Name: | Remote controller |
| Tested Model: | YGRF433 |
| Power Supply: | DC 3V from battery |
| RF Function: | SRD |
| Operating Band/Frequency: | 433.92MHz |
| Modulation Type: | ASK |
| Antenna Type: | PCB Antenna |
| EUT Received Status: | Good |
| *Note:* *1. All measurement and test data in this report was gathered from production sample serial number: 2XFQ-1 (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2025-02-13)* | |

### Objective

This test report is prepared for *ZHEJIANG YANKON GROUP CO.,LTD* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

### Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

## RF EXPOSURE EVALUATION

**Applicable Standard**

§1.1307(b)(3)(i) For single RF sources (*i.e.,* any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:
(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

**Measurement Result**

| Frequency(MHz) | Maximum EIRP | | 1-mW Test Exemption |
|---|---|---|---|
| | dBm | mW | |
| 433.92 | -19.76 | 0.01 | Compliant |

Note:
1. Chose the maximum power to do MPE analysis.
2. This device maximum E-Field level is 75.44dBµV/m at 3m, so the EIRP power is -19.76dBm.
3. Pout EIRP (dBm)= Field Strength of Fundamental(dBµV/m)-95.2

**Result: Compliant.** RF Exposure is exemption.

## EUT PHOTOGRAPHS

Please refer to the attachment 2507P38220E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2507P38220E-RF-INP EUT INTERNAL PHOTOGRAPHS.

## Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk "★".

2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.

3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.

4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).

6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***