

TEST REPORT

Product Name : 2.4G remote control
Model Number : JCHR35H10
FCC ID : 2ANKDJCHR35H10

Prepared for : ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY
CO., LTD
Address : No.19 XinTao Road, Provincial High Tech Park, Xinchang
County, Zhejiang Province, China

Prepared by : EMTEK (NINGBO) CO., LTD.
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Report Number : ENB2407230132W00102R
Date(s) of Tests : July 23, 2024 to August 12, 2024
Date of Issue : August 20, 2024

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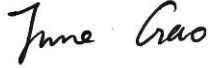
Test Report Description

Applicant : ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY CO., LTD
Address : No.19 XinTao Road, Provincial High Tech Park, Xinchang County, Zhejiang Province, China
Manufacturer : ZHEJIANG JIECANG LINEAR MOTION TECHNOLOGY CO., LTD
Address : No.19 XinTao Road, Provincial High Tech Park, Xinchang County, Zhejiang Province, China
EUT : 2.4G remote control
Model Name : JCHR35H10
Trademark : N/A

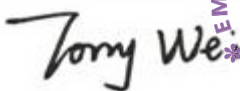
The device described above is tested by EMTEK (NINGBO) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (NINGBO) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (NINGBO) CO., LTD.

Date of Test : July 23, 2024 to August 12, 2024

Prepared by : 
June Gao /Engineer

Reviewer : 
Lucas Xu /Supervisor

Approve & Authorized Signer : 
Tony wei/Manager



Modified Information

Version	Report No.	Revision Date	Summary
/	ENB2407230132W00102R	/	Original Report



1. Facilities And Accreditations

1.1. Test Facility

All measurement facilities used to collect the measurement data are located at

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 32.

1.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: Accredited by CNAS, 2020.08.27
The certificate is valid until 2024.07.05
The Laboratory has been assessed and proved to be in compliance with
CNAS/CL01:2018
The Certificate Registration Number is L3150

Designation by FCC

Designation Number: CN1300

Test Firm Registration Number: 945551

Accredited by A2LA, April 05, 2021

The Certificate Registration Number is 4321.02

Accredited by Industry Canada

The Certificate Registration Number is CN0113

Name of Firm

: EMTEK (NINGBO) CO., LTD.

Site Location

: No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China

2. General Product Information

Characteristics	Description
Product:	2.4G remote control
Model Number:	JCHR35H10
Sample Number:	ENB2407230132W001-1-1
Modulation:	GFSK
Operating Frequency:	2404MHz, 2419MHz, 2469MHz, 2479 MHz
Number of Channels:	4 channels
Max Transmit Power:	87.54 dBuV/m
Antenna Type :	PCB Antenna
Antenna Gain:	0.0 dBi
Power supply:	DC 3V for Battery
Temperature Range:	0°C ~ +40°C
Date of Received:	July 23, 2024

Note: for more details, please refer to the User's manual of the EUT.

3. Limit

According to §15.249(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V07

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz;

Power and distance are rounded to the nearest mW and mm before calculation;

The result is rounded to one decimal place for comparison;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.

4. Test Results

Maximum measured transmitter power:

2404MHz: $EIRP = E + 20\log(d) - 104.7 = 87.54 + 9.54 - 104.7 = -7.62 \text{ dBm}$

2469MHz: $EIRP = E + 20\log(d) - 104.7 = 84.55 + 9.54 - 104.7 = -10.61 \text{ dBm}$

2479MHz: $EIRP = E + 20\log(d) - 104.7 = 83.95 + 9.54 - 104.7 = -11.21 \text{ dBm}$

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2404	GFSK	-7.62 dBm	-7.0	0.06	3
2469	GFSK	-10.61 dBm	-10.0	0.03	3
2479	GFSK	-11.21 dBm	-11.0	0.03	3

Conclusion:

For the max result : $0.06 \leq 3.0$ for 1-g SAR extremity SAR.

*** End of Report ***

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