

# TEST REPORT

Product Name : Radio remote control  
Model Number : Dynamic LED Remote Control  
FCC ID : 2BBPR-DY

Prepared for : Hera GmbH &Co. KG  
Address : Dieselstr.9, D-32130, Enger, Germany

Prepared by : EMTEK (SHENZHEN) CO., LTD.  
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Report Number : ENS2306090084E00602R  
Date(s) of Tests : June 13, 2023 to June 20, 2023  
Date of Issue : July 05, 2023

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## Test Report Description

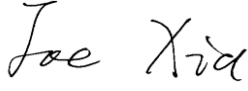
Applicant : Hera GmbH &Co. KG  
Address : Dieselstr.9, D-32130, Enger, Germany  
Manufacturer : Self Electronics Co., Ltd.  
Address : No. 1345 Ju Xian Road Ningbo Hi Tech Park Ningbo 315103 P.R. China  
EUT : Radio remote control  
Model Name : Dynamic LED Remote Control  
Trademark : N/A


The device described above is tested by EMTEK (SHENZHEN) 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 (SHENZHEN) 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 (SHENZHEN) CO., LTD.

Date of Test : June 13, 2023 to June 20, 2023

Prepared by :   
Moon Tan /Editor

Reviewer :   
Joe Xia/Supervisor

Approved & Authorized Signer :   
Lisa Wang/Manager



## Modified Information

Version	Report No.	Revision Date	Summary
/	ENS2306090084E00602R	/	Original Report



## 1. Facilities And Accreditations

### 1.1. Test Facility

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

Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 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**

The Certificate Registration Number is L2291.

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

**Accredited by FCC**

Designation Number: CN1204

Test Firm Registration Number: 882943

**Accredited by A2LA**

The Certificate Number is 4321.01.

**Accredited by Industry Canada**

The Conformity Assessment Body Identifier is CN0008

Name of Firm  
Site Location

: EMTEK (SHENZHEN) CO., LTD.

: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

## 2. General Product Information

Characteristics	Description
<b>Product:</b>	Radio remote control
<b>Model Number:</b>	Dynamic LED Remote Control
<b>Sample Number:</b>	ENS2306090084E006-1-1
<b>Modulation:</b>	MSK
<b>Operating Frequency:</b>	2436.199 MHz
<b>Max Transmit Power:</b>	94.09 dBuV/m
<b>Antenna Type :</b>	PCB Antenna
<b>Antenna Gain:</b>	3.3 dBi
<b>Power supply:</b>	DC 3V
<b>Temperature Range:</b>	-20°C ~ +35°C
<b>Date of Received:</b>	June 9, 2023

*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  $\leq 50$  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  $\leq 7.5$  for 10-g extremity SAR, where

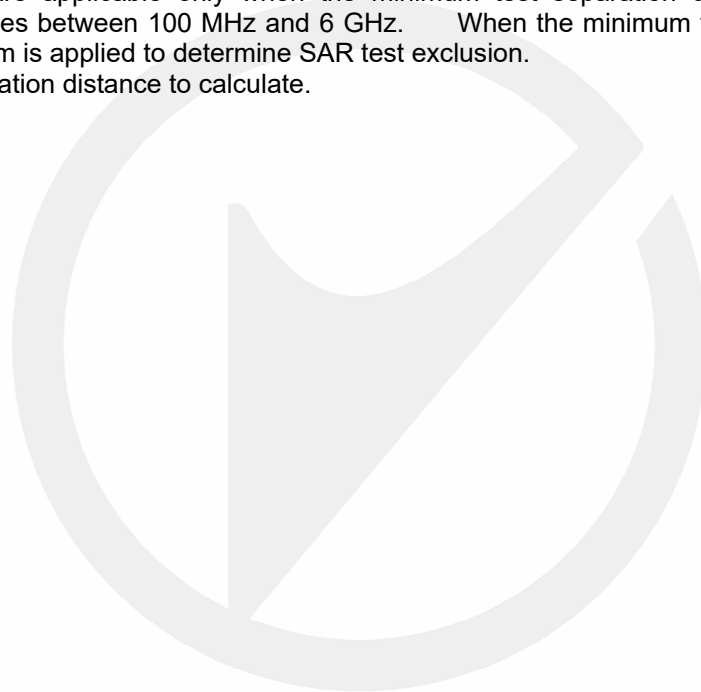
$f(\text{GHz})$  is the RF channel transmit frequency in GHz;

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  $\leq 50$  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:

$$\text{EIRP} = E + 20 \log(d) - 104.7 = 94.09 + 9.54 - 104.7 = -1.07 \text{ dBm}$$

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2436.199	MSK	-1.07 dBm	-1	0.25	3

Conclusion:

For the max result :  $0.25 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

\*\*\* End of Report \*\*\*





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