

# EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

## Radio Equipment Directive (RED) 2014/53/EU

**PHOENIX TESTLAB**  
Notified Body Number **0700**



This is to certify that:

PHOENIX TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

|                         |  |
|-------------------------|--|
| Certificate No.         | 24-210897 - 24-220897  |
| Manufacturer            | Realme Chongqing Mobile Telecommunications Corp., Ltd.                                   |
| Address                 | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China                       |
| Product Description     | Mobile Phone; with GSM, WCDMA, LTE, Bluetooth, WiFi, 5.8G Non-Specific SRD, NFC and GNSS |
| Brand Name / Model Name | realme / RMX3941   |

### The radio equipment meets the following essential requirements

|   |                |
|---|----------------|
| Article 3.1 a): Health and Safety   | <b>Conform</b> |
| Article 3.1 b): Electromagnetic Compatibility                                     | <b>Conform</b> |
| Article 3.2: Effective and Efficient Use of Radio Spectrum                        | <b>Conform</b> |
| Additional Essential Requirements:<br>Article 3.3 g) Access to emergency services | <b>Conform</b> |

|               |                   |              |                   |
|---------------|-------------------|--------------|-------------------|
| Date of issue | <b>2024-11-04</b> | Expiry date: | <b>2029-11-03</b> |
|---------------|-------------------|--------------|-------------------|

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.

The attached Annex forms part of this certificate. This certificate consists of 5 pages.



Signed by Wayne Hsu  
Notified Body

## Annex

### Technical description

|                  |  |
|------------------|--|
| Frequency Range  | GSM 850, Tx: 824 – 849 MHz, Rx: 869 - 894 MHz<br>GSM 900, Tx: 880 – 915 MHz, Rx: 925 - 960 MHz<br>GSM 1800, Tx: 1710 – 1785 MHz, Rx: 1805 – 1880 MHz<br>GSM 1900, Tx: 1850 – 1910 MHz, Rx: 1930 – 1990 MHz<br>UTRA FDD Band I, Tx: 1920 – 1980 MHz, Rx: 2110 – 2170 MHz<br>UTRA FDD Band V, Tx: 824 – 849 MHz, Rx: 869 – 894 MHz<br>UTRA FDD Band VIII, Tx: 880 – 915 MHz, Rx: 925 – 960 MHz<br>E-UTRA FDD Band 1, Tx: 1920 – 1980 MHz, Rx: 2110 – 2170 MHz<br>E-UTRA FDD Band 3, Tx: 1710 – 1785 MHz, Rx: 1805 – 1880 MHz<br>E-UTRA FDD Band 5, Tx: 824 – 849 MHz, Rx: 869 – 894 MHz<br>E-UTRA FDD Band 7, Tx: 2500 – 2570 MHz, Rx: 2620 – 2690 MHz<br>E-UTRA FDD Band 8, Tx: 880 – 915 MHz, Rx: 925 – 960 MHz<br>E-UTRA FDD Band 20, Tx: 832 – 862 MHz, Rx: 791 – 821 MHz<br>E-UTRA FDD Band 28, Tx: 703 – 748 MHz, Rx: 758 – 803 MHz<br>E-UTRA TDD Band 38, Tx: 2570 – 2620 MHz, Rx: 2570 – 2620 MHz<br>E-UTRA TDD Band 40, Tx: 2300 – 2400 MHz, Rx: 2300 – 2400 MHz<br>E-UTRA TDD Band 41, Tx: 2535 – 2655 MHz, Rx: 2535 – 2655 MHz<br>Bluetooth: 2402 - 2480 MHz<br>2.4G WiFi (20 MHz): 2412 - 2472 MHz<br>2.4G WiFi (40 MHz): 2422 - 2462 MHz<br>5G WiFi (20 MHz): 5180 - 5320 MHz, 5500 - 5700 MHz<br>5G WiFi (40 MHz): 5190 - 5310 MHz, 5510 - 5670 MHz<br>5G WiFi (80 MHz): 5210 - 5290 MHz, 5530 - 5610 MHz<br>5.8G Non-Specific SRD: 5745 - 5825 MHz<br>NFC: 13.56 MHz<br>GPS/BDS/GLONASS/Galileo: 1559 - 1610 MHz (Rx) |
| Transmit Power   | GSM 900: 33.5 dBm<br>GSM 1800: 30.5 dBm<br>UTRA FDD Band I/VIII: 24.5 dBm<br>E-UTRA Band FDD 1/3: 24 dBm<br>E-UTRA Band FDD 7: 23.5 dBm<br>E-UTRA Band FDD 8/20/28: 24.5 dBm<br>E-UTRA Band TDD 38/40: 24 dBm<br>Bluetooth: 11.41 dBm EIRP<br>2.4G WiFi: 17.09 dBm EIRP<br>5G WiFi (5150-5250 MHz): 17.63 dBm EIRP<br>5G WiFi (5250-5350 MHz): 17.1 dBm EIRP<br>5G WiFi (5470-5725 MHz): 17.02 dBm EIRP<br>5.8G Non-Specific SRD: 12.71 dBm EIRP<br>NFC: -11.83 dBuA/m at 10m  |
| Hardware Version | 11   |
| Software Version | realme UI 5.0  |



### System Components

Battery SUPERVOOC, BLPB61, 3.92V, Typical: 5828mAh, Rated: 5660mAh  
(Sunwoda Electronic Co., Ltd.)

### Optional Components

Adapter 1 SUPERVOOC, VCB4JAEH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Huizhou Golden Lake Industrial Co., Ltd.)

Adapter 2 SUPERVOOC, VCB4JAUH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Huizhou Golden Lake Industrial Co., Ltd.)

Adapter 3 SUPERVOOC, VCB4JAYH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Huizhou Golden Lake Industrial Co., Ltd.)

Adapter 4 SUPERVOOC, VCB4JATH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Huizhou Golden Lake Industrial Co., Ltd.)

Adapter 5 SUPERVOOC, VCB4JAUH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Jiangsu Chenyang Electron Co., Ltd.)

Adapter 6 SUPERVOOC, VCB4JAEH,  
Input: AC 100V-240V, 50/60Hz, 1.5A  
Output: DC 5V, 2A 10W or 5-11V, 4.1A(MAX) 45W(MAX)  
(Jiangsu Chenyang Electron Co., Ltd.)

USB Cable DL154, USB-Type C, 1m

### Approval documentation

Technical Documentation including realme\_RMX3941  
External / Internal Photos, User Manual, Label, Block Diagram,  
Circuit Diagram, Operational Description, PCB Layout, Parts  
Placement, Parts List

EU Declaration of Conformity Provided

Explanation of compliance Description in the User Manual  
Article 10(2) and Article 10(10)

Further Documents Risk Assessment



## Applied Standards and Test Reports


| Specification   | Laboratory  | Test Report Number / Version                    |
|---|---|---|
| EN IEC 62368-1:2020+A11:2020  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042A01                                   |
| EN 50332-2:2013   | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042A02                                   |
| EN 50360:2017<br>EN 50566:2017<br>EN 50663:2017<br>EN 62209-1:2016<br>EN 62209-2:2010+A1:2019   | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042S01                                   |
| EN IEC 62311:2020   | AUDIX Technology<br>(Shenzhen) Co., Ltd.                  | ACS-R24305                                      |
| ETSI EN 301 489-1 V2.2.3<br>ETSI EN 301 489-3 V2.3.2<br>ETSI EN 301 489-17 V3.2.4<br>ETSI EN 301 489-19 V2.2.1<br>ETSI EN 301 489-52 V1.2.1 | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042E01                                   |
| EN 55032:2015+A1:2020<br>EN 55035:2017+A11:2020<br>EN 61000-3-<br>3:2013+A1:2019+A2:2021+AC:2022-01   | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042E02                                   |
| ETSI EN 301 511 V12.5.1   | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W08                                   |
| ETSI EN 301 908-1 V15.2.1<br>ETSI EN 301 908-2 V13.1.1  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W09                                   |
| ETSI EN 301 908-1 V15.2.1<br>ETSI EN 301 908-13 V13.2.1   | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W10                                   |
| ETSI EN 300 328 V2.2.2  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W01<br>SZ24090042W02<br>SZ24090042W03 |
| ETSI EN 301 893 V2.1.1  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W04                                   |
| ETSI EN 300 440 V2.2.1  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W05                                   |
| ETSI EN 303 413 V1.2.1  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W06                                   |
| ETSI EN 300 330 V2.1.1  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W07                                   |
| Guidelines for compliance with delegated<br>regulation (EU) 2019/320  | Shenzhen Morlab<br>Communications Technology<br>Co., Ltd. | SZ24090042W11                                   |



### Limitations / Restrictions

- This device also contains frequency bands that are not operational in EU member states. Only the frequency bands used in European Union have been assessed for this EU-TYPE EXAMINATION (MODULE B) CERTIFICATE.
- Operating Temperature range is +5 - +35 degree Celsius (power form adapter) and 0 - +35 degree Celsius (power form battery).
- Body SAR Separation distance is 5mm.
- WLAN positioning test for Article 3.3 g) was performed in building type "office building" according to ISO/IEC 18305:2016 clause 10.1.3.

### Notes

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with PHOENIX TESTLAB.
2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.
4.  The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.

