

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.	21-210250
Manufacturer	Xiaomi Communications Co., Ltd.
Address	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product Description	Mobile Phone; with GSM, WCDMA, LTE, WIFI 802.11a/b/g/n/ac, Bluetooth 5.0, Non-specific SRD, GNSS and FM
Brand Name / Model Name	Redmi / M2101K7BG

The radio equipment meets the following essential requirements

Article 3.1 a): Health and Safety	Conform
Article 3.1 b): Electromagnetic Compatibility	Conform
Article 3.2: Effective and Efficient Use of Radio Spectrum	Conform
Additional Essential Requirements:	Not applicable

Date of issue **2021-03-23** Expiry date: **2026-03-21**

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 / 900 / 1800 / 1900 MHz Bluetooth BR+EDR: 2402 - 2480 MHz Bluetooth LE : 2402 - 2480 MHz (40 CH) 2.4G WLAN: 2412 - 2472 MHz 5G WLAN (20 MHz): 5180 - 5320 MHz, 5500 - 5700 MHz 5G WLAN (40 MHz): 5190 - 5310 MHz, 5510 - 5670 MHz 5G WLAN (80 MHz): 5210 - 5290 MHz, 5530 - 5610 MHz UTRA FDD Band I/II/IV/V/VIII E-UTRA FDD Band 1/2/3/4/5/7/8/20/28 E-UTRA TDD Band 38/40/41 Non-specific SRD: 5725 - 5850 MHz GPS/ GLONASS / BDS / Galileo / SBAS : 1559 - 1610 MHz (Rx) FM: 87.5 – 108 MHz (Rx)
Transmit Power	GSM900 33.5 dBm / DCS1800 30.5 dBm Bluetooth: 10.46 dBm EIRP 2.4G WiFi: 17.48 dBm EIRP 5G WiFi (5150-5250 MHz): 15.85 dBm EIRP 5G WiFi (5250-5350 MHz): 16.06 dBm EIRP 5G WiFi (5470-5725 MHz): 15.63 dBm EIRP 5.8 GHz Non-specific SRD: 13.52 dBm EIRP UTRA Band 1/8: 24 dBm E-UTRA Band 1/3/7/8/20/38/40: 25.5 dBm E-UTRA Band 28: 24 dBm
Hardware Version	P2
Software Version	MIUI 12

System Components

Battery 1	MI / BN59, 3.87V, 4900mAh, (Sunwoda)
Battery 2	MI / BN59, 3.87V, 4900mAh, (NVT)
Battery 3	MI / BN59, 3.87V, 4900mAh, (CosMX)

Optional Components

AC Adapter 1(EU)	MI / MDY-11-EZ, (Aohai) Input: AC 100V-240V, 50/60Hz 0.7A Output: 5V, 3A; 9V, 3A; 12V, 2.25A; 20V, 1.35A; 11V, 3A
AC Adapter 2(EU)	MI / MDY-11-EZ, (Salcomp) Input: AC 100V-240V, 50/60Hz 0.7A Output: 5V, 3A; 9V, 3A; 12V, 2.25A; 20V, 1.35A; 11V, 3A
AC Adapter 3(EU)	MI / MDY-11-EZ, (Chenyang) Input: AC 100V-240V, 50/60Hz 0.7A Output: 5V, 3A; 9V, 3A; 12V, 2.25A; 20V, 1.35A; 11V, 3A
AC Adapter 4(UK)	MI / MDY-11-EY, (Aohai) Input: AC 100V-240V, 50/60Hz 0.7A Output: 5V, 3A; 9V, 3A; 12V, 2.25A; 20V, 1.35A; 11V, 3A
Earphone	MI / EM023, 1.33 m, non-shielded cable, (One more)
USB Cable 1	MI / L23220, 1.02 m, shielded cable, without ferrite core, (Luxshare)
USB Cable 2	MI / H23220, 1.03 m, shielded cable, without ferrite core, (Dehong)
USB Cable 3	MI / B23220, 1.03 m, shielded cable, without ferrite core, (Broad)

Approval documentation

	Technical Documentation including Redmi_M2101K7BG External / Internal Photos, User Manual, Label, Block Diagram, Circuit Diagram, Operational Description, PCB Layout, Parts Placement, Parts List
EU Declaration of Conformity	Declaration of Conformity, not signed provisional version.
Explanation of compliance Article 10(2) and Article 10(10)	Declaration of Operation in Member States and application for certification, 1 page, March 16, 2021
Further Documents	Risk Assessment, 3 pages



Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
EN 62368-1:2014+A11:2017	TÜV SÜD Certification and Testing (China) Co., Ltd.	147-210296-000
EN 50332-1:2013 EN 50332-2:2013	Sporton International Inc. (ShenZhen)	EO113013 Rev. 01
EN 50360:2017 EN 50566:2017 EN 62209-1:2016 EN 62209-2:2010	Sporton International Inc. (KunShan)	EA113013 Rev. 01
ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1 ETSI EN 301 489-17 V3.2.4 ETSI EN 301 489-19 V2.1.1 Draft ETSI EN 301 489-52 V1.1.2	Sporton International Inc. (KunShan)	EW113013 Rev. 01
EN 55032:2015/AC:2016 Class B EN 55035:2017 EN 61000-3-2:2014 Class A EN 61000-3-3:2013	Sporton International Inc. (KunShan)	EC113013 Rev. 01
ETSI EN 301 511 V12.5.1 ETSI EN 301 908-2 V13.1.1 ETSI EN 301 908-13 V13.1.1	Sporton International Inc. (KunShan)	EZ113013 Rev. 01
ETSI EN 301 908-1 V13.1.1	Sporton International Inc. (KunShan)	EM113013 Rev. 01
ETSI EN 300 328 V2.2.2	Sporton International Inc. (KunShan)	ER113013A Rev. 01
ETSI EN 301 893 V2.1.1	Sporton International Inc. (KunShan)	ER113013B Rev. 01
ETSI EN 300 440 V2.2.1	Sporton International Inc. (KunShan)	EQ113013 Rev. 01
ETSI EN 303 413 V1.1.1	Sporton International Inc. (KunShan)	ER113013C Rev. 01
ETSI EN 303 345-1 V1.1.1 Draft ETSI EN 303 345-3 V1.1.0	Sporton International Inc. (KunShan)	EB113013 Rev. 01

Limitations / Restrictions

Operating Temperature range is 0 ~ 40 degree Celsius


Body SAR Separation distance is 5mm.

The SRD receiver fulfills the requirements of category 2.

This device also contains frequency bands that are not operational in EU member states. All frequency bands used in European Union have been assessed for this EU-TYPE EXAMINATION (MODULE B) CERTIFICATE



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.