

Notified Body
TÜV Rheinland
LGA Products GmbH

Tillystraße 2
90431 Nürnberg
notified by the

Bundesnetzagentur für Elektrizität, Gas,
Telekommunikation, Post und Eisenbahnen

under No. 0197

herewith issues an

EU-Type Examination Certificate

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)
for compliance with the essential requirements of this directive

Registration Number: RT 60166012 0001

Evaluation Report Nr.: CN22LDJ8 001

Manufacturer: Shenzhen DOKE Electronic Co., Ltd
801, Building3, 7th Industrial Zone,
Yulv Community, Yutang Road, Guangming District,
Shenzhen
P.R. China

Product: Radio Equipment
(Smart phone) 

Type Identification: A52
(Blackview)

Essential requirements:
2014/53/EU (RED)
Article 3.1a Health
Article 3.1a Electrical Safety
Article 3.1b EMC
Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.

This certificate consists of this page and Annex I.

Validity of the certificate is specified in the Annex I.

Date 29.09.2022



Notified Body


S. Peng

Equipment

Product : Smart phone
Trademark : Blackview
Identification : A52
Product description : This product is Smart Phone, which supports GSM/WCDMA/LTE, Bluetooth, Wi-Fi, GNSS and FM functions.

System description

Frequency band(s) of operation : E-GSM 900, DCS 1800, WCDMA Band I/VIII
LTE Bands 1/3/7/8/20, 2400-2483.5MHz, 1559-1610MHz,
87.5-108MHz

Operating frequency : E-GSM 900: Uplink: 880-915MHz, Downlink: 925-960MHz
DCS 1800: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz
WCDMA Band I: Uplink: 1920-1980MHz, Downlink: 2110-2170MHz
WCDMA Band VIII: Uplink: 880-915MHz, Downlink: 925-960MHz
LTE Band 1: Uplink: 1920-1980MHz, Downlink: 2110-2170MHz
LTE Band 3: Uplink: 1710-1785MHz, Downlink: 1805-1880MHz
LTE Band 7: Uplink: 2500-2570MHz, Downlink: 2620-2690MHz
LTE Band 8: Uplink: 880-915MHz, Downlink: 925-960MHz
LTE Band 20: Uplink: 832-862MHz, Downlink: 791-821MHz
Bluetooth: 2402-2480MHz
Wi-Fi: 2412-2472MHz
GNSS (receiver): 1575.42MHz
FM(receiver): 87.5-108MHz

Channel spacing / bandwidth : 200kHz, 1MHz, 1.4MHz, 2MHz, 3MHz, 5MHz, 10MHz, 15MHz,
20MHz

RF output power : E-GSM 900: 33dBm±2dB
DCS 1800: 30dBm±2dB
WCDMA: 24dBm+1.7dB/-3.7dB
LTE bands: 23dBm+2.7dB/-2.7dB
Bluetooth: 7.86dBm (max.e.i.r.p.)
Wi-Fi: 16.4dBm (max. e.i.r.p.)

Type of modulation : GMSK, 8PSK, QPSK, 16QAM, DSSS (DBPSK, DQPSK, CCK),
OFDM (BPSK, QPSK, 16QAM, 64QAM), GFSK, pi/4-DQPSK, 8-
DPSK, FM

Type of antenna : Integral Antenna

Mode of operation (simplex / duplex) : Duplex

Duty cycle (access protocol, if applicable) : Up to 100%

Hardware version : L617_V1

Software version : S6317A_Duokoo_A52_EEA_V1.01

Documentation

User information and installation instructions	<input checked="" type="checkbox"/>
Block diagram	<input checked="" type="checkbox"/>
Circuit diagram	<input checked="" type="checkbox"/>
Part list	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Photo documentation	<input checked="" type="checkbox"/>
Versions of firmware/software used	<input checked="" type="checkbox"/>
Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.	<input checked="" type="checkbox"/>
Risk Analysis	<input checked="" type="checkbox"/>

Conformity Assessment

Applied harmonised standards (Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 50360:2017 EN 50566:2017	STR220826001010E	Shenzhen NTEK Testing Technology Co., Ltd.
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.2.2; EN 301 511 V12.5.1; EN 301 908-1 V13.1.1 EN 301 908-2 V13.1.1; EN 301 908-13 V13.1.1; EN 303 345-3 V1.1.1; EN 303 413 V1.2.1	STR220826001001E STR220826001002E STR220826001003E; STR220826001004E; STR220826001005E; STR220826001006E; STR220826001007E; STR220826001008E	Shenzhen NTEK Testing Technology Co., Ltd.
3.3 Others			
Applied non-harmonised standards			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 62479: 2010	STR220826001010E	Shenzhen NTEK Testing Technology Co., Ltd.
3.1a Safety	EN 62368-1:2014+A11:2017	STS220826001001E	Shenzhen NTEK Testing Technology Co., Ltd.
3.1b EMC	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 301 489-19 V2.1.1 EN 301 489-52 V1.2.1 EN 55032:2015+A11:202 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019	STR220826001009E	Shenzhen NTEK Testing Technology Co., Ltd.
3.2 Radio	EN 303 345-1 V1.1.1	STR220826001007E	Shenzhen NTEK Testing Technology Co., Ltd.
3.3 Others			
Other solutions, adopted to meet the essential requirements			
Article	Standard	Test Report No.	Issued by
3.1a Health	EN 62209-1:2016 EN 62209-2:2010	STR220826001010E	Shenzhen NTEK Testing Technology Co., Ltd.

Rationale for applied non-harmonised standards or other solutions:

- EN 62479 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- EN 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements
- EN 55032 Electromagnetic compatibility of multimedia equipment - Emission Requirements; EN 55035 Electromagnetic compatibility of multimedia equipment – Immunity requirements; EN 61000-3-2 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase); EN 61000-3-3: Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection; EN 301 489-1 Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; EN 301 489-17 Part 17: Specific conditions for Broadband Data Transmission Systems; EN 301 489-19 Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation and timing data; EN 301 489-52 Part 52: Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment.
- EN 303 345-1 Broadcast Sound Receivers; Part 1: Generic requirements and measuring methods;
- EN 62209-1 Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices –Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz); EN 62209-2 Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz).

Remarks:

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.