

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 60164921 0001

Evaluation Report Nr.: CN22WV1G 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
(4G Tablet)

Type Identification: Tab 13
(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 28.07.2022



Notified Body

S. Peng
S. Peng

Equipment

Product : 4G Tablet
Trademark : Blackview
Identification : Tab 13
Product description : This product is a 4G Tablet, which supports GSM/WCDMA/LTE, Bluetooth, Wi-Fi, GNSS functions.

System description

Frequency band(s) of operation : E-GSM 900, DCS 1800, WCDMA Band I/VIII
 LTE Bands 1/3/7/8/20/40, 2400-2483.5MHz, 5150-5250MHz, 5725-5875MHz, 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
 LTE Band 40: Uplink: 2300-2400MHz, Downlink: 2300-2400MHz
 Bluetooth: 2402-2480MHz
 2.4GHz Wi-Fi: 2412-2472MHz
 5GHz Wi-Fi: 5150-5250MHz, 5725-5875MHz
 GNSS (receiver): 1575.42MHz
 FM(receiver): 87.5-108MHz

Channel spacing / bandwidth : 200kHz, 1MHz, 1.4MHz, 2MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz, 40MHz, 80MHz

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: 8.34dBm (max.e.i.r.p.)
 2.4GHz Wi-Fi: 15.97dBm (max. e.i.r.p.)
 5GHz Wi-Fi: 9.97dBm (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 : TP737_MAIN_PCB_V1.1

Software version : Tab_13_EEA_TP737_V1.0

Documentation

User information and installation instructions

Block diagram

Circuit diagram

Part list

PCB layout

Photo documentation

Versions of firmware/software used

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.

Risk Analysis

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 50566:2017	STR220421001012E	Shenzhen NTEK Testing Technology Co., Ltd.

3.1a	Safety			
3.1b	EMC			
3.2	Radio	EN 300 328 V2.2.2; EN 301 893 V2.1.1; 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	STR220421001001E STR220421001002E STR220421001003E; STR220421001004E; STR220421001006E; STR220421001007E STR220421001008E; STR220421001009E; STR220421001010E	Shenzhen NTEK Testing Technology Co., Ltd.
Applied non-harmonised standards				
Article	Standard	Test Report No.	Issued by	
3.1a	Health	EN 62479: 2010	STR220421001012E	Shenzhen NTEK Testing Technology Co., Ltd.
3.1a	Safety	EN 62368-1:2014+A11:2017	STS220421001001E	Shenzhen NTEK Testing Technology Co., Ltd.
3.1b	EMC	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4 EN 301 489-19 V2.1.1 EN 301 489-52 V1.2.1 EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019	STR220421001011E	Shenzhen NTEK Testing Technology Co., Ltd.
3.2	Radio	EN 300 440 V2.2.1 EN 303 345-1 V1.1.1	STR220421001005E; STR220421001009E	Shenzhen NTEK Testing Technology Co., Ltd.
Other solutions, adopted to meet the essential requirements				
Article	Standard	Test Report No.	Issued by	
3.1a	Health	EN 62209-2:2010	STR220421001012E	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 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 ElectroMagnetic 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 300 440 Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard for access to radio spectrum.
- 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.