

Statement of Opinion



by the Notified Body TÜV Rheinland LGA Products GmbH
according to the R&TTE Directive 1999/5/EC
Notified under No. **0197** to the EC Commission

Registration No.: RT 60118403 0001

Report No.: 50066541 002

Holder: **Unitech Electronics
Co., Ltd.
5F, No. 136, Lane 235,
Pao-Chiao Rd, Hsin-Tien Dist
New Taipei City 235
Taiwan**

Product: Radio Equipment
(Rugged Android Terminal)

Identification: EA600
(unitech)

Essential requirements: Directive 1999/5/EC (R&TTE)
Article 3.1a Health
Article 3.1a Electrical Safety
Article 3.1b EMC
Article 3.2 Radio spectrum

With respect to Article 10 of the Directive 1999/5/EC, based on the technical construction file presented according to Annex IV of the Directive, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the listed product complies with the above mentioned essential requirements. Not mentioned essential requirements may be relevant (see Annex I of this certificate), but were not considered by the Notified Body.
This certificate consists of this page and Annex I.

Date 29.03.2017



Notified Body


S. Peng

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

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**Equipment**

Product : Rugged Android Terminal

Trademark : unitech

Identification : EA600

General product description : The EA600 is a GSM/WCDMA/LTE Mobile Phone, which supports WiFi, Bluetooth, NFC and GPS functions.

System description

Frequency band(s) of operation : E-GSM, DCS, WCDMA Band I, WCDMA Band VIII, LTE Band 1, LTE Band 3, LTE Band 38, LTE Band 40, 2400-2483.5 MHz, 5150-5350MHz, 5470-5725MHz, 1575.42MHz, 13.56MHz

Operating frequency : E-GSM Band: Uplink: 880-915MHz, Downlink: 925-960MHz
DCS Band: 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 38: Uplink: 2570-2620MHz, Downlink: 2570-2620MHz
LTE Band 40: Uplink: 2300-2400MHz, Downlink: 2300-2400MHz
Wi-Fi: 2412-2472MHz, 5180-5320MHz, 5500-5700MHz
Bluetooth: 2402-2480MHz
GPS: 1575.42MHz
NFC: 13.56MHz

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

RF output power : E-GSM Band: 33dBm±2dB
DCS Band: 30dBm±2dB
WCDMA Band: 24dBm+1.7dB/-3.7dB
LTE Band: 23dBm+2.7dB/-2.7dB
Wi-Fi: 18.7dBm (Max. e.i.r.p.) - 2.4GHz Band, 13.9dBm (Max. e.i.r.p) - 5GHz Band
Bluetooth: 6.6dBm (Max. e.i.r.p.)
NFC: -15.6dBµA/m

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

Type of antenna : Internal antenna

Mode of operation (simplex / duplex) : Duplex

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

Equipment class acc. to Commission Decision 2000/299/EC : 2

Manufacturer Opinion Holder

Company/Name : Unitech electronics Co., Ltd.
Address : 5F, No.136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist.
Street :
Town : New Taipei City, Taiwan
Country :
Phone : 886-2-8912-1122
Facsimile : 886-2-8912-1391
Contact : benc@tw.ute.com

Relevant essential requirements with respect to the R&TTE directive

- Article 3.1 a Health
- Article 3.1 a Electrical Safety
- Article 3.1 b EMC
- Article 3.2 Radio Spectrum

Documentation

- User Manual
- Block diagram
- Circuit diagram
- Part list

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PCB layout
 Photo documentation

Applied harmonised standards (referred to the publication of the harmonised standards in the official Journal of the EU)			
Article	Standard	Test Report No.	Test facility
3.1a Health	EN 50360:2001+A1:2012 EN 50566:2013 EN 62479:2010	WT178001240	Shenzhen Academy of Metrology and Quality Inspection
3.1a Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	WT173001187	Shenzhen Academy of Metrology and Quality Inspection
3.1b EMC	EN 301 489-1 V1.9.2 (2011-09) EN 301 489-3 V1.6.1 (2013-08) EN 301 489-7 V1.3.1 (2005-11) EN 301 489-17 V2.2.1 (2012-09) EN 301 489-24 V1.5.1 (2010-10)	WT178001237	Shenzhen Academy of Metrology and Quality Inspection
3.2 Radio	EN 301 511 V12.1.1 (2015-06) EN 301 908-1 V7.1.1 (2015-03) EN 301 908-2 V7.1.1 (2015-12); EN 301 908-13 V7.1.1 (2015-12); EN 300 440-2 V1.4.1 (2010-08) EN 300 328 V1.9.1 (2015-02); EN 301 893 V1.8.1 (2015-03); EN 302 291-2 V1.1.1 (2005-07)	WT178001238; WT178001239; WT178001241; WT178001243; WT178001242	Shenzhen Academy of Metrology and Quality Inspection

Applied non-harmonised standards under the R&TTE Directive [see foot-note (*)]			
Article	Standard	Test Report No.	Test facility
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Other solutions, adopted to meet the essential requirements [see foot-note (*)]			
Article	Standard	Test Report No.	Test facility
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(*) Rationale for other solutions or non-harmonised standard application:

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Remarks:

- The manufacturer or his authorised representative established within the European Community must keep the technical documentation for a period ending at least 10 years after the last product has been manufactured at the disposal of the relevant national authority of any Member State for inspection purpose.
- CE marking may only be used, if all relevant and effective EC directives are complied with.
- CE marking shall be accompanied by the identification number of the Notified Body TÜV Rheinland LGA Products GmbH **0197**.
- The holder of this Statement of Opinion is authorised to use this Statement of Opinion in combination with the CE declaration of conformity referred to in Article 6 of the directive 1999/5/EC.
- This Statement of Opinion does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date 29.03.2017


 Signature 