

# EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU

# SGS

**Certificate Number**

Project Number

NB2906.2024.000580

SH-CERT241107627

**Product Model Number(s)**

**Brand/Trade Name**

Product Type

TPX00200

Arduino

Arduino Pro 4G GNSS Module Global

**Applicant**

Address

Arduino S.r.l.

Via Andrea Appiani, 25,  
20900 MONZA (Italy)

## Essential Requirements

## Results

Article 3.1(a) - Health

Conforms

Article 3.1(a) - Safety

Conforms

Article 3.1(b) - EMC

Conforms

Article 3.2 - Radio Spectrum

Conforms

Article 3.3g

N/A

Article 3.4

N/A

## Technical Documentation:

SH-CERT241107627-01

Based upon an examination of the Technical Documentation and supporting evidence, the above listed equipment was found to conform with those essential requirements of the Radio Equipment Directive 2014/53/EU as noted above.

This certificate is issued for only the equipment mentioned above and is subject to the conditions and restrictions listed in the Annex. This type examination certification is issued under Module B of the Radio Equipment Directive 2014/53/EU, applying the Notified Body Identification Number adjacent to the CE Marking is NOT permitted. No changes/modifications to the equipment which would require a re-assessment are allowed - any such change will invalidate this type examination certificate.

This certificate is valid for 5 years from the date of issue unless changes/modifications have been made to the applied standard(s) or assessed type of equipment.

Authorized By:



Certificate Issue Date

December 4, 2024

Eddy Zong  
Certifier

# NB2906



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## Radio Equipment Directive 2014/53/EU



### ESSENTIAL REQUIREMENTS

### APPLIED STANDARD(S)

Article 3.1(a) - Health	EN IEC 62311:2020
Article 3.1(a) - Safety	EN IEC 62368-1:2020+A11:2020
Article 3.1(b) - EMC	EN 55032:2015+A11:2020+A1:2020, EN 55035:2017+A11:2020 EN 301 489-1 V2.2.3, EN 301 489-19 V2.2.1, EN 301 489-52 V1.2.1
Article 3.2 - Spectrum	EN 301 511 V12.5.1, EN 301 908-1 V15.2.1 EN 301 908-2 V13.1.1, EN 301 908-13 V13.2.1 EN 303 413 V1.2.1, ETSI TS 151 010-1 V12.8.0 ETSI TS 134 121-1 V12.1.0, ETSI TS 136 521-1 V16.9.0

### PRODUCT TECHNICAL DETAILS

HW Version:	R1.0
SW Version:	EG25GGBR07A08M2G

### EQUIPMENT DETAIL

Radio	Frequency Range (MHz)	Antenna Type	Modulation	Transmit Power
GNSS	1559-1610	External Antenna	BPSK	N/A (Receiver)
GSM 900	880-915	External Antenna	GMSK, 8PSK	35dBm
GSM 1800	1710-1785	External Antenna	GMSK, 8PSK	32dBm
WCDMA Band 1	1920-1980	External Antenna	QPSK, 16QAM	25dBm
WCDMA Band 5	824-849	External Antenna	QPSK, 16QAM	25dBm
WCDMA Band 8	880-915	External Antenna	QPSK, 16QAM	25dBm
LTE Band 1	1920-1980	External Antenna	QPSK, 16QAM	25dBm
LTE Band 3	1710-1785	External Antenna	QPSK, 16QAM	25dBm
LTE Band 5	824-849	External Antenna	QPSK, 16QAM	25dBm
LTE Band 7	2500-2570	External Antenna	QPSK, 16QAM	25dBm
LTE Band 8	880-915	External Antenna	QPSK, 16QAM	25dBm
LTE Band 20	832-862	External Antenna	QPSK, 16QAM	25dBm
LTE Band 28	703-748	External Antenna	QPSK, 16QAM	25dBm
LTE Band 38	2570-2620	External Antenna	QPSK, 16QAM	25dBm
LTE Band 40	2300-2400	External Antenna	QPSK, 16QAM	25dBm
LTE Band 41	2496-2690	External Antenna	QPSK, 16QAM	25dBm

### CONDITIONS/RESTRICTIONS

The following conditions and restrictions apply:

- 1) LTE band 28 is restricted to operation in frequency range 703MHz-736MHz for the transmitter and 758MHz-791 MHz for the receiver.
- 2) LTE band 41 is restricted to operate between 2500MHz-2690MHz.
- 3) The device supports operation in frequency bands which are not available for use in member states of the European Union and EFTA countries and which have not been included in this conformity assessment. The conformity assessment of this radio equipment is limited to those frequency bands of operation which are available for use in one or more Member States of the European Union and EFTA countries.