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Notified Body Id. No.:1383



TESTCOM – Certifying Body for Certification of Products No. 3136,
accredited by CAI according to ČSN EN ISO/IEC 17065:2013
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EU-type examination **C E R T I F I C A T E** (Radio Equipment Directive 2014/53/EU, Annex III) No. 0220-CC-V0026-21

Product:	Transmission-measurement device
Trade name / brand name	APATOR
Model / Type:	APT-GSM-NA-2
Manufacturer	APATOR TELEMETRIA Sp.z o.o..
Manufacturer address:	Portowa 13B, 76-200 SŁUPSK, Poland
Software version:	1.0 (APT-GSM-NA-2-FW-1-0-0-0.hex)
Hardware version:	1
Frequency bands of operation:	EGSM900 ... TX: 880,2 - 914,8 MHz; RX: 925,2 – 959,8 MHz DCS1800 ... TX: 1710,2–1784,8 MHz RX: 1805,2 – 1879,8 MHz

The Notified Body No.:1383 - Czech Metrology Institute,
after the examination of the technical documentation as drawn by the manufacturer,
announces

that the essential requirements of Article 3.1a, 3.1b and Article 3.2
of Radio Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll.).
have been met.


The conformity assessment on the radio equipment listed above and as described in Annex 1 to
this EU-type examination certificate has been carried out in accordance with Annex III (module B) of
RADIO Equipment Directive 2014/53/EU (Government Decree No.: 426/2016 Coll., Annex 3).

A list of documentation forming the basis for the EU-type examination is provided in Annex 2 to
this EU-type examination certificate.

This EU-type Examination certificate relates only to the documents as provided to CMI.

Brno, August 20, 2021




Dr. Pavel Klenovský
Head of Notified Body

Annex 1 to EU-type examination certificate for RED 2014/53/EU

No.: 0220-CC-V0025-21

Model: APT-GSM-NA-2

Date of issue: August 20, 2021

The APT-GSM-NA-2 device is water meter overlay designed to record the readings of water meters and to transmit the obtained measurement data using the GSM network.

The APT-GSM-NA-2 overlay detects the rotation of the water meter pointer by means of an inductive detector. The overlay software supports the diagnosis of the water supply network thanks to configurable algorithms for event detection, alarm generation and flow monitoring modes.

Details of operation:

Frequency range:	EGSM900TX: 880,2 - 914,8 MHz; RX925,2 – 959,8 MHz DCS1800TX: 1710,2–1784,8 MHz RX: 1805,2 – 1879,8 MHz
Antenna	external GERBOLE CO.,Ltd., type TQC- 850/900/1800/1900-04-RG174(3M)-BXSX
Mounting method	Using an adapter ring
Pulses counting method	Inductive resonant module
Power source	3 V DC Lithium battery
Battery life	6 years*
Working temperature	-15°C ÷ 60°C
Protection class	IP68
Communication technology	GSM/GPRS
Bands	850/900/1800/1900 MHz
RF output power	max. 2W
GSM receiver sensitivity	-108dBm
SIM card type	eSim (internal)

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Annex 2 to EU-type examination certificate for RED 2014/53/EU

No.: 0220-CC-V0026-21

Model: APT-GSM-NA-2

Date of issue: August 20, 2021

1. Test report:

EMC

Product Safety

RF safety

Report number:

8551-PT-E0164-21

8551-PT-B0164-21

by manufacture

Dated:

July 27, 2021

August 16, 2021

August 2, 2021

2. Certificate: EU –Type Examination Certificate issued SIEMIC, NB 2200,

No.: RE-18080102, August 01, 2018

3. Technical Documentation provided:

Assembly_Drawings_APT-GSM-NA-LSENSE-1v4_2020-12-18.PDF

PCB_SPEC_APT-GSM-NA-LSENSE-1v4_2020-12-18.PDF

PDF3D_APT-GSM-NA-LSENSE-1v4_2020-12-18.PDF

Schematic Prints_APT-GSM-NA-LSENSE-1v4_2020-12-21.PDF

Bill of Materials_APT-GSM-NA-LSENSE-1v4_2020-12-21.xls

Generates pick and place files_APT-GSM-NA-LSENSE-1v4_2020-12-21.txt

Generates pick and place files_APT-GSM-NA-LSENSE-1v4_2020-12-21.txt

PCB_SPEC_APT-GSM-NA-RF-1v4_2020-12-18.PDF

Schematic Prints_APT-GSM-NA-RF-1v4_2020-12-18.PDF

Bill of Materials_APT-GSM-NA-RF-1v4_AW_2020-12-17.xls

Specification for 850/900/1800/1900MHz Antennas

Generates pick and place files_APT-GSM-NA-RF-1v4_2020-12-18.txt

APT-GSM-NA-2 - RiskAssasement v1.docx

Battery SDS_LiSOCl2_Saft_eng_Oct_2015_Rev11.pdf

Quectel_M95(R2.0)_CE(RED)_Certificate.pdf

SW - APT-GSM-NA-1-FW-1-0-0-0.hex

4. Standards used to demonstrate conformity with the essential requirements of Radio Equipment Directive 2014/53/EU:

Radio Spectrum (Article 3.2):

EMC (Article 3.1.b):

Product Safety (Article 3.1a)

RF Safety (Article 3.1a)

ETSI EN 301 511 V12.5.1

ETSI EN 301 489-1 V2.2.3

ETSI EN 301 489-7 V1.3.1

Draft ETSI EN 301 489-52 V1.1.0

ČSN EN 62 368-1:2020 +A11:2020

EN 62311: 2008

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Date of issue: August 20, 2021

Additional information:

This is Class 1 device.

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Article 10.6: Manufacturers shall ensure that radio equipment which they have placed on the market bears a type, batch or serial number or other element allowing its identification, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 10.7: Manufacturers shall indicate on the radio equipment their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

Radio Equipment Directive 2014/53/EU, Article 10.8: Manufacturers shall ensure that the radio equipment is accompanied by instructions and safety information in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:

- (a) frequency band(s) in which the radio equipment operates;
- (b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.

Radio Equipment Directive 2014/53/EU, Article 10.9: Manufacturers shall ensure that each item of radio equipment is accompanied by a copy of the EU declaration of conformity or by a simplified EU declaration of conformity. Where a simplified EU declaration of conformity is provided, it shall contain the exact internet address where the full text of the EU declaration of conformity can be obtained.

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No.: 0220-CC-V0026-21

Model: APT-GSM-NA-2

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Radio Equipment Directive 2014/53/EU, Article 10.10: In cases of restrictions on putting into service or of requirements for authorization of use, information available on the packaging shall allow the identification of the Member States or the geographical area within a Member State where restrictions on putting into service or requirements for authorization of use exist. Such information shall be completed in the instructions accompanying the radio equipment.

Radio Equipment Directive 2014/53/EU, Article 19.2: On account of the nature of radio equipment, the height of the CE marking affixed to radio equipment may be lower than 5 mm, provided that it remains visible and legible.

Radio Equipment Directive 2014/53/EU, Article 20.1: The CE marking shall be affixed visibly, legibly and indelibly to the radio equipment or to its data plate, unless that is not possible or not warranted on account of the nature of radio equipment. The CE marking shall also be affixed visibly and legibly to the packaging.

Radio Equipment Directive 2014/53/EU, Annex III, Module B7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

In accordance with Notified Body guidance; if there are no changes, a Notified Body EU-type examination certificate has a validity of 10 years from the date of issue.

The Declaration of Conformity under Directive 2014/53/EU or a copy thereof must be supplied with each device.

Device designation:



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