Notified Body
Eurofins Electrical and Electronic Testing NA, Inc.

EU-TYPE EXAMINATION CERTIFICATE

Registration Number: 3646-12-2024-240896

Manufacturer: Guangzhou TokSurvey Information Technology Co.,Ltd
No. 9, Caipin Road, Room 902-3, Huangpu District, Guangzhou, China(office only)
Product Description: High Precision GNSS Receiver
Model Number/Name: T30, Tbase, T30Pro

Essential Requirement(s)	**Result**
Art. 3.1(a) Safety	Conform
Art. 3.1 (a) Health	Conform
Art. 3.1(b) EMC	Conform
Art. 3.2 Radio	Conform

Examination Result:

Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.

Jackson Yang

12/27/2024
Date

Signed By Jackson Yang
Notified Body

For validation of this document's authenticity, please contact globalcertification@cpt.eurofinsus.com for verification.

Annex

Product specification
Hardware version: Tbase-PCBA.1.1
Software version: N/A
Frequency Band(s):
GSM 900: 880 MHz to 915 MHz
GSM1800: 1710 MHz to 1785 MHz
WCDMA Band I: 1920 MHz to 19780 MHz
WCDMA Band VIII: 880 MHz to 915 MHz
LTE Band 1: 1920 MHz to 1980 MHz
LTE Band 3: 1710 MHz to 1785 MHz
LTE Band 7: 2500 MHz to 2570 MHz
LTE Band 8: 880 MHz to 915 MHz
LTE Band 20: 832 MHz to 862 MHz
LTE Band 28: 703 MHz to 748 MHz
LTE Band 38: 2570 MHz to 2620 MHz
LTE Band 40: 2300 MHz to 2400MHz
WLAN 802.11b/g/n20: 2412 MHz to 2472MHz
WLAN 802.11n40: 2422 MHz to 2462MHz
Bluetooth: 2402 MHz to 2480 MHz
GPS: 1575.42MHz
BDS: 1561.098MHz
GLONASS: 1602 MHz
GALILEO: 1575.42 MHz
Transmit Power Range(s):
GSM 900: 33.13dBm
GSM1800: 26.30dBm
WCDMA Band I: 22.32dBm
WCDMA Band VIII: 23.73dBm
LTE Band 1: 21.44dBm
LTE Band 3: 22.01dBm
LTE Band 7: 22.09dBm
LTE Band 8: 24.07dBm
LTE Band 20: 24.05dBm
LTE Band 28: 23.84dBm
LTE Band 38: 21.86dBm
LTE Band 40: 21.77dBm
2.4GHz WLAN: 16.12dBm
Bluetooth: 3.36dBm
BLE: 2.64dBm
Modulation Type(s):
GSM: GMSK for GPRS; GMSK and 8PSK for EDGE
WCDMA: QPSK; HSDPA: QPSK/16QAM; HSUPA: BPSK
LTE: QPSK/16QAM
2.4G WLAN: 802.11b(DSSS): CCK, DQPSK, DBPSK
802.11g(OFDM): BPSK, QPSK,16-QAM,64-QAM
802.11n(OFDM): BPSK, QPSK,16-QAM,64-QAM

Bluetooth: BT(1Mbps): GFSK
BT EDR(2Mbps): π/4-DQPSK
BT EDR(3Mbps): 8DPSK
BLE: GFSK
GPS: BPSK
BDS: QPSK
GLONASS: FDMA
GALILEO: CBOC
Antenna type(s):
GSM/WCDMA/LTE: Internal Antenna, Gain(s): GSM 900: 1dBi, GSM1800: 1dBi; WCDMA: B1: 1dBi, B8: 1dBi; LTE: B1: 1dBi; B3: 1dBi; B7: 1dBi; B8: 1dBi; B20: 1dBi; B28: 1dBi; B38: 1dBi; B40: 1dBi
Bluetooth: Internal Antenna, Gain(s): 1dBi;
WLAN: Internal Antenna, Gain(s): 2.4GHz: 1dBi
GNSS: Internal Antenna.

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health		
Applied Standards		
EN 50665: 2017		
EN IEC 62311: 2020		
Report or Certificate No.	Issue Date	Issued by
LGT24K064HA01	12/17/2024	Shenzhen LGT Test Service Co., Ltd.
To demonstrate conformity with Article 3.1(a) Safety		
Applied Standards		
EN IEC 62368-1:2020+A11:2020		
Report or Certificate No.	Issue Date	Issued by
LGT24K064SA01	12/02/2024	Shenzhen LGT Test Service Co., Ltd.
To demonstrate conformity with Article 3.1(b) EMC		
Applied Standards		
ETSI EN 301 489-1 V2.2.3 (2019-11)		
ETSI EN 301 489-17 V3.2.4 (2020-09)		
ETSI EN 301 489-19 V2.2.1 (2022-09)		
ETSI EN 301 489-52 V1.2.1 (2021-11)		
Report or Certificate No.	Issue Date	Issued by
LGT24K064EM01	12/17/2024	Shenzhen LGT Test Service Co., Ltd.
To demonstrate conformity with Article 3.2 Spectrum Efficiency		
Applied Standards		
ETSI EN 300 328 V2.2.2 (2019-07)		
ETSI EN 301 511 V12.5.1 (2017-03)		
ETSI TS 151 010-1 V13.11.0 (2020-02)		
ETSI EN 301 908-1 V15.2.1 (2023-01)		
ETSI EN 301 908-2 V13.1.1 (2020-06)		
ETSI EN 301 908-13 V13.2.1 (2022-02)		
ETSI EN 303 413 V1.2.1 (2021-04)		
Report or Certificate No.	Issue Date	Issued by
LGT24K064RF01	12/17/2024	Shenzhen LGT Test Service Co., Ltd.

LGT24K064RF02	12/17/2024	Shenzhen LGT Test Service Co., Ltd.
LGT24K064RF03	12/17/2024	Shenzhen LGT Test Service Co., Ltd.
LGT24K064RF04	12/17/2024	Shenzhen LGT Test Service Co., Ltd.
LGT24K064RF05	12/17/2024	Shenzhen LGT Test Service Co., Ltd.