

EU Declaration of Conformity

16th of January, 2024

Kaunas

Declaring Organization:

TELTONIKA NETWORKS UAB

Product Name:

5G Router

Product Model Name:

RUTX50

Used frequency range of built-in RF module:

Band	UL f, MHz	DL f, MHz
WCDMA	1	1920-1980
	8	880-915
LTE-FDD	1	2110-2170
	3	1710-1785
	7	2500-2570
	8	880-915
	20	832-862
	28	703-733
		2570-2620
LTE-TDD	38	2300-2400
	40	3400-3600
	42	3600-3800
	43	
5G NR (SA)	n1	1920-1980
	n3	1710-1785
	n8	880-915
	n20	832-862
	n38	2570-2620
	n41	2496-2690
5G NR (SA, NSA)	n7	2500-2570
	n28	703-733
	n40	2300-2400
	n77	3300-4200
	n78	3300-3800

TELTONIKA NETWORKS UAB
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Data on the company is collected and stored in the Register of Legal Entities of the Republic of Lithuania.



Band		UL f, MHz	DL f, MHz
GNSS	GPS L1, L5	1575.42, 1176.45	
	Galileo E1, E5	1575.42, 1176.45	
	BDS B11	1561.098	
	GLONASS G1	1602 + n*0.5625 (n is a satellite's frequency channel number from -7 ~ 6)	
Wi-Fi 2.4 GHz	1-13	2412-2472	
Wi-Fi 5 GHz	U-NII-1	5180-5240	
	U-NII-2A	5260-5320	
	U-NII-2C	5500-5700	
	U-NII-3	5745-5825	

Transmit Power:

- Wi-Fi 2.4 GHz: 18.55 dBm (EIRP)
- Wi-Fi 5 GHz: 16.64 dBm (EIRP)
- Wi-Fi 5.8 GHz: 13.97 dBm (EIRP)
- WCDMA Band 1/8: 24 dBm
- LTE Band 1/3/8/20/28/38/40: 23dBm
- LTE Band 7: 24dBm
- LTE Band 42/43: 26dBm
- 5G NR Band 1/3/7/8/20/28/38/40: 23dBm
- 5G NR Band 41/77/78: 26dBm

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TELTONIKA NETWORKS UAB, hereby declare under our sole responsibility that the above-described product is in conformity with the relevant Community harmonization: European Directive 2014/53/EU (RED).

The conformity with the essential requirements has been demonstrated against the following harmonized standards:

Harmonized standard reference	Article of Directive 2014/53/EU	Test report No.
EN IEC 62368-1:2020 + A11:2020 EN IEC 62311:2020	Health and safety – Article 3.1(a)	SZES220900574901 SZCR231200396510
EN 55032:2015 + A11:2020 + A1:2020 EN 55035:2017 + A11:2020 EN IEC 61000-3-2:2019 + A1:2021 EN 61000-3-3:2013 + A1:2019 + A2:2021 EN 301 489-1 V2.2.3 EN 301 489-3 V2.3.2 EN 301 489-17 V3.2.4 EN 301 489-19 V2.2.1 EN 301 489-52 V1.2.1	Electromagnetic compatibility – Article 3.1(b)	SZCR231200396501 SZCR231200396502
EN 300 328 V2.2.2 EN 300 440 V2.2.1 EN 301 893 V2.1.1 EN 301 908-1 V15.2.1 EN 301 908-2 V13.1.1 EN 301 908-13 V13.2.1 EN 301 908-25 V15.1.1_15.0.6 EN 303 413 V1.2.1	Efficient use of radio spectrum – Article 3.2	SZCR231200396503 SZCR231200396504 SZCR231200396505 SZCR231200396506 SZCR231200396507 SZCR231200396508 SZCR231200396509

The conformity assessment procedure referred to in Article 17 and detailed in Annex III of Directive 2014/53/EU has been followed with the involvement of the following Notified Body: SGS North America, Inc., 620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, United States. Notified Body No.: **NB2906**.

Therefore  is placed on the product.

EU Type Examination Certificate No. **NB2906.2023.000113-01**

Head of Technical Support Division

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