



REPUBLIC OF THE PHILIPPINES  
NATIONAL TELECOMMUNICATIONS COMMISSION  
NTC Building, BIR Road, East Triangle, Diliman, Quezon City  
Email: [ntc@ntc.gov.ph](mailto:ntc@ntc.gov.ph); website: <http://www.ntc.gov.ph>

## TYPE APPROVAL CERTIFICATE

No. **ESD-CPE-2203809**

This **TYPE APPROVAL CERTIFICATE** is hereby issued for the equipment described below attesting compliance with the regulatory requirement and granting authority for the use thereof in the Philippines subject to existing NTC rules and regulations.

Type of Equipment : LTE Gateway  
Brand : **TELTONIKA Networks**  
Model : **TRB145**  
Manufacturer : TELTONIKA NETWORKS UAB, Lithuania  
Applicant : TELTONIKA NETWORKS UAB  
Address : 66 K. Baršausko g, Kaunas 44406, Lithuania LT-51436

### Equipment RF Characteristics:

<u>Radio</u>	<u>Frequency Range/Band</u>	<u>Power Output</u>	<u>Modulation Type</u>
GSM	: 900/1800 MHz	33 dBm	GMSK, 8PSK
WCDMA	: I/VIII	24 dBm	QPSK
LTE	: 1/3/7/8/20/28	23 dBm	QPSK, 16QAM

Issued on 09 SEP 2022, Quezon City, Philippines.

<b>OR</b>	NO.	<u>1389341</u>
	DATE	<u>8-22 2022</u>
	AMOUNT P	<u>P 75,190.00</u>
<b>JOCELYN P. MANUEL</b> Administrative Officer I <u>9/9/22</u>		

  
**GAMALIEL A. CORDOBA**  
Commissioner  
9-9-22


### CONDITIONS:

1. The operating frequencies of the device shall be in accordance with the Philippines' National Radio Frequency Allocation Table (NRFAT).
2. Any change/modification of the circuitry and/or radio component that affects the above-described specifications shall render this certificate NULL AND VOID;
3. This Certificate shall be cancelled if the operation of this equipment causes harmful interference to the existing authorized radio and/or telecommunications systems.
4. This Certificate is not valid without payment of the prescribed fees and the official dry seal of this Commission.

AND / mv

NATIONAL TELECOMMUNICATIONS COMMISSION  
COMMISSION SECRETARIAT

Note: Documentary Stamp Paid

SEP 12 2022 

NO ADMINISTRATIVE CASE

Supporting Documents:

1. Authorization/s:
  - 1.1 Manufacturer/applicant authorizes Teltonika Australia and its Philippine market sales representative to process the Type Approval certification.
2. Equipment Radio Specifications.
3. Equipment Photo and Data Sheet.
4. Test Report/Certificate:
  - 4.1 Safety/Health/EMC/Radio: EU Type Examination Certificate No.: TCF-1318CC19  
\*\*\*\*\*Nothing Follows\*\*\*\*\*