CERTIFICATE OF CONSTRUCTION TYPE

RADIO EQUIPMENT FOR JAPAN

3 Certificate No.: **2025028/01**

4 Element Materials Technology, operating as a Recognised Foreign Certification Assessment Body (CAB ID 205), declares that the listed product complies with the Certification by Type of the Ordinance Concerning Technical Regulations Conformity Certification, etc. Of Specified Radio Equipment (MPT Ordinance No. 37 of 1981).

5 Certificate Holder: TELTONIKA TELEMATICS, UAB

6 Address: Saltoniškių g. 9B-1, LT-08105, Vilnius, Lithuania

7 Name of the Specified Radio Equipment: Fleet Management System

8 Model Number: FMM003-Q5IB0

9 Trademark: Teltonika Telematics

10 Category of the Specified Radio Equipment:

[1] [2] BT/BLE
Article 2, Paragraph 1, Item (19)
[3] NB-IoT
Article 2, Paragraph 1, Item (11)-19-2
[4] eMTC
Article 2, Paragraph 1, Item (11)-19-3

11 When the holder of this certificate is placing the product on the Japanese market, the product must be affixed with the following Identification Code:

R 205-250028

12 Any deviation to the design and construction of the specified radio equipment that is not certified by Element Materials Technology shall render this certificate invalid. This Certificate contains “Annex A” and is only valid when provided with this Annex.

Stephen Winsor,
Certification Manager

Date of Certification: 2025-11-27

Certificate revision: Not Applicable

Unit 1, Pendle Place, Skelmersdale, West Lancashire, WN8 9PN, United Kingdom
Element Materials Technology Warwick Ltd.
Registered in England and Wales. Registered Office: 5 Fleet Place, London, EC4M 7RD
Company Reg No. 02536659

13 **Technical description**

Class of Emission:	**[1] BT:** F1D, G1D **[2] BLE:** F1D **[3] NB-IoT:** G1A, G1B, G1C, G1D, G1F, G1X, G7W **[4] eMTC:** D1A, D1B, D1C, D1D, D1F, D1X, D7W, G1A, G1B, G1C, G1D, G1F, G1X, G7W
Frequency:	**[1] BT:** 2441 MHz **[2] BLE:** 2402 MHz – 2480 MHz **[3] NB-IoT** 200K Band 1: 1920.335 MHz – 1979.665 MHz Band 3: 1710.335 MHz – 1784.665 MHz Band 8: 900.335 MHz – 914.665 MHz Band 18, Band 19: 815.335 MHz – 844.665 MHz Band 28: 718.335 MHz – 747.665 MHz **[4] eMTC** 1M40 Band 1: 1920.79 MHz – 1979.21 MHz Band 3: 1710.79 MHz – 1784.21 MHz Band 8: 900.79 MHz – 914.21 MHz Band 18, Band 19, Band 26: 815.79 MHz – 844.21 MHz Band 28: 718.79 MHz – 747.21 MHz
Output Power:	**[1] BT:** 0.03 mW/MHz **[2] BLE:** 1.5 mW **[3] NB-IoT** 200K Band 1: 1920.335 MHz – 1979.665 MHz 0.2W Band 3: 1710.335 MHz – 1784.665 MHz 0.2W Band 8: 900.335 MHz – 914.665 MHz 0.2W Band 18, Band 19: 815.335 MHz – 844.665 MHz 0.2W Band 28: 718.335 MHz – 747.665 MHz 0.2W **[4] eMTC** 1M40 Band 1: 1920.79 MHz – 1979.21 MHz 0.2W Band 3: 1710.79 MHz – 1784.21 MHz 0.2W Band 8: 900.79 MHz – 914.21 MHz 0.2W Band 18, Band 19, Band 26: 815.79 MHz – 844.21 MHz 0.2W Band 28: 718.79 MHz – 747.21 MHz 0.2W
Antenna Type and Gain:	PCB Antenna with Declared Gain **[1] [2] BT/BLE:** -1.43 dBi **[3] NB-IoT** Internal Antenna with Maximum Gain Band 1: -0.88 dBi Band 3: -0.47 dBi Band 8: -4.64 dBi Band 18, Band 19: -4.64 dBi Band 28: -7.05 dBi **[4] eMTC** Internal Antenna with Maximum Gain Band 1: -0.88 dBi Band 3: -0.47 dBi Band 8: -4.64 dBi Band 18, Band 19, Band 26: -4.64 dBi Band 28: -7.05 dBi
Serial Number:	Not Applicable
Software Version:	FMB.Ver.03.28.03

14 **Manufacturer details**

Manufacturer: TELTONIKA TELEMATICS, UAB

Address: Saltoniškių g. 9B-1, LT-08105, Vilnius, Lithuania

15 **Test report No. (associated with this certificate issue):**

R2211A1007-R1V2	7006150474463_NB-IoT EFTA25100181-IE-06-R2V1	7006150474463a_eMTC EFTA25100181-IE-06-R1V1

16 **"Restrictions on use", if any:**

1. This product must be used at greater than 20cm.

17 **Details of revisions to this certificate**

None.

18 **Notes to this certificate**

Element Materials Technology certification reference: CN-SFEQ-0001.

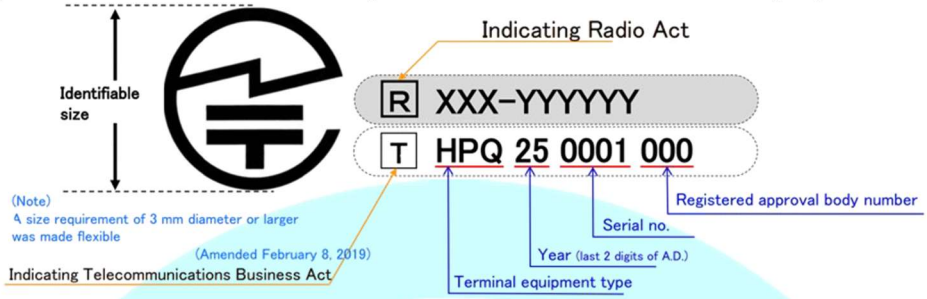
Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

Conformity Assessment Body 205 is the designation for Element Materials Technology Warwick Ltd.

GUIDELINES ON MARKING

An example of marking is provided below. It must be affixed to an easily noticeable section of the specified radio or terminal equipment. This marking includes:

- Giteki mark;
- A square containing the letter R for radio equipment or T for terminal equipment;
- A unique certificate number that incorporates the ID number of the certifying CAB;



- The format of the unique number and CAB ID section differs for radio and terminal equipment.

For radio equipment the format is:
CCC-YYNNNN

Example: R **205-171001**

CCC = CAB ID (205 in case of Element)
YY = Year
NNNN = CAB serial number

Note: *Hyphen is part of the marking requirement*

Additional marking for 5GHz products:
For products using frequencies within 5.15-5.35 GHz, please print the following warning text on your product label.

5.2 GHz 帯域は屋内での使用のみに制限されています
（5.2 GHz 高電力基地局または中継局と通信する場合を除く）
電波法により 5.3 GHz 帯は屋内使用に限ります

Translation: *5.2 GHz band is restricted to indoor use only*
(Except when communicating with 5.2GHz high power base stations or relay stations)
5.3 GHz band is restricted to indoor use due to the Radio Law

Restrictions apply to outdoor products using frequencies within 5.15-5.25 GHz, including:

- For access points and relays, registration in advance is required;
- Usage must not affect satellite equipment, EIRP restrictions according to elevation angles apply;
- Usage must not affect weather radars.

For products using frequencies within 5.47-5.725 GHz may be used indoor and/or outdoor.

More information can be found under: https://www.tele.soumu.go.jp/j/sys/others/wlan_outdoor/index.htm