

Certificate

of
Radio Equipment in JAPAN

No: 201-190133 / 11

Telefication, operating as Conformity Assessment Body (CAB ID Number: 201) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: **LTE Module**

Trademark: **Quectel**

Type designation: **EG25-G**

Variants: **See Annex 3**

Manufacturer: **Quectel Wireless Solutions Co., Ltd.**

Address: **7th Floor, Hongye Building, No.1801 Hongmei Road, Xuhui District**

City: **Shanghai 200233**

Country: **China**

This certificate is granted to:

Name: **Quectel Wireless Solutions Co., Ltd.**

Address: **7th Floor, Hongye Building, No.1801 Hongmei Road, Xuhui District**

City: **Shanghai 200233**

Country: **China**

This certificate has THREE Annexes.

Apeldoorn, 09 September 2021

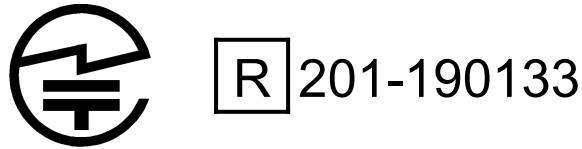
CAB



David Chen
Product Assessor



- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



Remarks and observations

The following conditions are applicable:

Radio Module

Antennas for WCDMA & LTE:

Max gain of 3 dBi at WCDMA Band and max gain of 3 dBi at LTE Band

/01: adding antenna

/02: adding a dipole antenna, model name: RFA-LTE-C55-U-B70-5

Max gain of 2 dBi at WCDMA Band and max gain of 3 dBi at LTE Band

/03: adding a antenna, Part No. 1004112

Net gain 2.78 dBi (Cable Insertion loss: 1.72 dBi) at WCDMA Band and LTE Band

/04: add 2 antennas

Max gain of 3 dBi at WCDMA Band and max gain of 3 dBi at LTE Band

ORBCOMM: Part Number: 1001262326

ORBCOMM: GT12 Cellular Antenna

/05: add 1 antenna

Monopole antenna, Max gain of 2.21 dBi at WCDMA Band and max gain of 2.21 dBi at LTE Band

STAF corporation

Model Number: 1T18-037-1185

/06: add 43 antennas (antenna lists)

Max gain of 3 dBi at WCDMA Band and max gain of 3 dBi at LTE Band

/07: add 20 antennas (antenna lists)

/08: add 1 antenna (antenna lists)

/09: Add 2 antennas (antenna lists)

/10: Add 11 antennas (antenna lists)

/11: Adding antennas



BB-2JW0124Z-C868B
BB-2J7041BGFA-300
MA931.A.LBICGH.001

Documentation lodged for this type-examination

Test Reports:

- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2019/1001801, 25 February 2019
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2019/1001802, 25 February 2019
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/3001301, 13 April 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/3001302, 13 April 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/7001001, 26 August 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/7001002, 26 August 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/9000201, 21 September 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/9000202, 21 September 2020
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/C001201, 05 January 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/C001202, 05 January 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/C001301, 21 January 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/2020/C001302, 21 January 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: ZR/2021/4001901, 21 April 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: ZR/2021/4001902, 21 April 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/20212/001301, 22 June 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: HR/20212/001302, 22 June 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: ZR/2021/7000501, 17 July 2021
- SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch: ZR/2021/7000502, 17 July 2021

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions

Chapter II, Transmitting equipment

Chapter III, Receiving Equipment

Chapter IV, section 4.27 article 49.29

Chapter IV, section 4.3.3 article 49.6.4

Chapter IV, section 4.3.4 article 49.6.5

Chapter IV, section 4.4.5 article 49.6.9



Radio equipment specified in:

Item 11-19, Paragraph 1, Article 2

Item 11-3, Paragraph 1, Article 2

Item 11-7, Paragraph 1, Article 2

Item 54, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

WCDMA Band I

- Operating frequency range: 1922.6-1977.4 MHz (200kHz interval 275 channels)
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

HSUPA Band I

- Operating frequency range: 1922.6-1977.4 MHz (200kHz interval 275 channels)
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

WCDMA Band V

- Operating frequency range: 826.4-842.6 MHz (200kHz interval 82 channels), 832.5-832.5MHz, 837.5-837.5MHz, 842.5-842.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

HSUPA Band V

- Operating frequency range: 826.4-842.6 MHz (200kHz interval 82 channels), 832.5-832.5MHz, 837.5-837.5MHz, 842.5-842.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

WCDMA Band VI

- Operating frequency range: 832.4-837.6 MHz (200kHz interval 27 channels), 832.5-832.5MHz, 837.5-837.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

HSUPA Band VI

- Operating frequency range: 832.4-837.6 MHz (200kHz interval 27 channels), 832.5-832.5MHz, 837.5-837.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

WCDMA Band VIII

- Operating frequency range: 902.6-912.4 MHz (200kHz interval 50 channels)
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

HSUPA Band VIII

- Operating frequency range: 902.6-912.4 MHz (200kHz interval 50 channels)
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

WCDMA Band XIX

- Operating frequency range: 832.4-842.6 MHz (200kHz interval 52 channels), 832.5-832.5MHz, 837.5-837.5MHz, 842.5-842.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

HSUPA Band XIX

- Operating frequency range: 832.4-842.6 MHz (200kHz interval 52 channels), 832.5-832.5MHz, 837.5-837.5MHz, 842.5-842.5MHz
- ITU designation: 5M00 G1A,G1B,G1C,G1D,G1E,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 1

- Operating frequency range: 1922.5-1927.1 MHz (100kHz interval 47 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 13 dBm rated

LTE FDD Band 1

- Operating frequency range: 1927.2-1977.5 MHz (100kHz interval 504 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 1

- Operating frequency range: 1925.0-1934.6 MHz (100kHz interval 97 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 13 dBm rated

LTE FDD Band 1

- Operating frequency range: 1934.7-1975.0 MHz (100kHz interval 404 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 1

- Operating frequency range: 1927.5-1942.1 MHz (100kHz interval 147 channels)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 13 dBm rated

LTE FDD Band 1

- Operating frequency range: 1942.2-1972.5 MHz (100kHz interval 304 channels)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 1

- Operating frequency range: 1932.5-1932.5 MHz (The maximum length of continuous Resource Block used is 30 RBs with bandwidth 5.4 MHz in 1927.19 MHz -1937.81 MHz)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 22 dBm rated

LTE FDD Band 1

- Operating frequency range: 1930.0-1949.6 MHz (100kHz interval 197 channels)
- ITU designation: 20M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 13 dBm rated

LTE FDD Band 1

- Operating frequency range: 1949.7-1970.0 MHz (100kHz interval 204 channels)
- ITU designation: 20M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 1

- Operating frequency range: 1930.0-1930.0 MHz (The maximum length of continuous Resource Block used is 24 RBs with bandwidth 4.32 MHz in 1925.32 MHz -1934.68 MHz)
- ITU designation: 20M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 22 dBm rated

LTE FDD Band 3

- Operating frequency range: 1712.5-1782.5 MHz (100kHz interval 701 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 3

- Operating frequency range: 1715.0-1780.0 MHz (100kHz interval 651 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 3

- Operating frequency range: 1717.5-1777.5 MHz (100kHz interval 601 channels)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 3

- Operating frequency range: 1720.0-1775.0 MHz (100kHz interval 551 channels)
- ITU designation: 20M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 5

- Operating frequency range: 826.5-842.5 MHz (100kHz interval 161 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 5

- Operating frequency range: 829.0-840.0 MHz (100kHz interval 111 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 8

- Operating frequency range: 902.5-912.5 MHz (100kHz interval 101 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 8

- Operating frequency range: 905-910 MHz (100kHz interval 51 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 18

- Operating frequency range: 817.5-827.5 MHz (100kHz interval 101 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 18

- Operating frequency range: 820.0-825.0 MHz (100kHz interval 51 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 18

- Operating frequency range: 822.5-822.5 MHz
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 19

- Operating frequency range: 832.5-842.5 MHz (100kHz interval 101 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 19

- Operating frequency range: 835.0-840.0 MHz (100kHz interval 51 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 19

- Operating frequency range: 837.5-837.5 MHz
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 26

- Operating frequency range: 817.5-842.5 MHz (100kHz interval 251 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 26

- Operating frequency range: 820.0-840.0 MHz (100kHz interval 201 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 26

- Operating frequency range: 822.5-837.5 MHz (100kHz interval 151 channels)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 28

- Operating frequency range: 720.5-745.5 MHz (100kHz interval 251 channels)
- ITU designation: 5M00 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 28

- Operating frequency range: 723.0-743.0 MHz (100kHz interval 201 channels)
- ITU designation: 10M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 28

- Operating frequency range: 725.5-740.5 MHz (100kHz interval 151 channels)
- ITU designation: 15M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE FDD Band 28

- Operating frequency range: 728.0-738.0 MHz (100kHz interval 101 channels)
- ITU designation: 20M0 D1A,D1B,D1C,D1D,D1F,D1X,D7W,G1A,G1B,G1C,G1D,G1F,G1X,G7W
- Maximum output power: 23 dBm rated

LTE TDD Band 41

- Operating frequency range: 2547.5-2652.5 MHz (100kHz interval 1051 channels)
- ITU designation: 5M00 X1A,X1B,X1C,X1D,X1F,X1X,X7W
- Maximum output power: 23 dBm rated

LTE TDD Band 41

- Operating frequency range: 2550.0-2650.0 MHz (100kHz interval 1001 channels)
- ITU designation: 10M0 X1A,X1B,X1C,X1D,X1F,X1X,X7W
- Maximum output power: 23 dBm rated

LTE TDD Band 41

- Operating frequency range: 2555.0-2645.0 MHz (100kHz interval 901 channels)
- ITU designation: 20M0 X1A,X1B,X1C,X1D,X1F,X1X,X7W
- Maximum output power: 23 dBm rated



The product as described in this Certificate includes the following type designations:

- Product description: LTE Module
- Trademark: Quectel
- Type designation: EG25-G

- Product description: LTE Module
- Trademark: Quectel
- Type designation: EG25-G MINIPCIE