

Certificate

of

Radio Equipment in JAPAN

No.: 10215369/AA/01

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: **2.4 GHz RF Module**
Trademark: **Digi International**
Family name: --
Type designation: **Xbee S2C**
Serial No: --
Hard- / Softw. release No: **05 RevA / xb24-s2c_4016**

Manufacturer: **Digi International**
Address: **11001 Bren Road East**
City: **MN 55343 Minnetonka**
Country: **United States**

This additional certificate is granted to:

Name: **Digi International**
Address: **11001 Bren Road East**
City: **MN 55343 Minnetonka**
Country: **United States**

This additional certificate has THREE Annexes.

Zevenaar, 28 February 2011

CAB



W.J.M. Jong
Operations Manager
Certification



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



R 201 WW
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Remarks and observations

The following conditions are applicable:

There are different versions, depending upon the selected antenna:

- an U.FL RF port on the PCB for an external antenna
- with an integral PCB antenna
- PIN 36 RF Port, a soldered cable and a chassis connector for an external antenna

Rated supply voltage 3.3 Vdc

Operational range: from 2.2 up to 3.6 Vdc

Electrical interface with host: USB

Antenna's overview:

(Gain specified at 2.4 GHz)

1. Internal PCB Antenna, max. gain -0.5 dBi
2. External Antenna Dipole Bec AN2400-37A19BX, max. gain 2.76 dBi
3. External Antenna Dipole Bec R-AN2400-5701RS-Z, max. gain 3.45 dBi
4. External Antenna Dipole Pulse W1030, max. gain 2.0 dBi
5. External Antenna Dipole Pulse W1049B050, max. gain 2.0 dBi
6. External Antenna Dipole NearsonS131AH-2450S (1/2 lambda dipole), max. gain 2.0 dBi
7. External Antenna Monopole Maxstream(whip, 1/4 labda), max. gain 1.8 dBi
8. External Antenna Directional Buffalo WLE-HG-DA , max. gain 9.0 dBi

Technical features and characteristics

The product includes the following features and characteristics:

Zigbee:

- Operating frequency range: 2405-2480 MHz (16 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 2M65G1D
- Maximum output power: 4.8 mW/MHz rated
- Maximum antenna gain: 9 dBi
- Modulation method(s): DSSS: O-QPSK

Annex 3 to additional Certificate of Radio Equipment in Japan
Number: 10215369/AA/01

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

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