

Certificate

of

Radio Equipment in JAPAN

No: 08215111/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: **Xbee PRO OEM RF module**
Trademark: **Xbee PRO 802.15.4**
Family name: --
Type designation: **XBEEPRO**
Serial No: --
Hard- / Softw. release No: **REV 2 / V10AX**

Manufacturer: **Digi International**
Address: **355 South 520 West, Suite 180**
City: **UT 84042 Lindon**
Country: **United States**

This additional certificate is granted to:

Name: **Digi International**
Address: **355 South 520 West, Suite 180**
City: **UT 84042 Lindon**
Country: **United States**

This additional certificate has THREE Annexes.

Zevenaar, 18 March 2009

CAB



M.H. Koop
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
08215111

Remarks and observations

The following conditions are applicable:

Supply Voltage for the module is specified between 2.8 and 3.4 Vdc

Antennas for 802.15.4 / Zigbee:

- bec R-AN2400-5701RS-Z, Dipole antenna, max. gain of 3.45 dBi at 2.4 GHz
- Fractus FROS-S1-N-O-001, Chip antenna, max. gain of -1.5 dBi at 2.4 GHz
- MaxStream Whip antenna, 1/4 wave monopole, max. gain of 1.8 dBi at 2.4 GHz
- Nearson S131AX-2450S, 1/2 wave dipole, max. gain of 2.1 dBi at 2.4 GHz
- pulse W1030, Dipole antenna, max. gain of 2.0 dBi at 2.4 GHz
- pulse W1030, Dipole antenna, max. gain of 2.0 dBi at 2.4 GHz
- pulse W1049B050, Dipole antenna, max. gain of 2.0 dBi at 2.4 GHz

Documentation lodged for this type-examination

Test Reports:

- MiCOM Labs: Digi03-C4 Rev A, 14 March 2009

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Antenna specifications
- Photos
- User manual

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 4.17 article 49.20

Radio equipment specified in Item (19) of article 2, paragraph 1

Technical features and characteristics

The product includes the following features and characteristics:

802.15.4 / Zigbee:

- Operating frequency range: 2410-2465 MHz (16 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 2M97G1D
- Maximum output power: 5.63 mW/MHz average (rated)
- Maximum antenna gain: 3.45 dBi
- Modulation method(s): O-QPSK



*Annex 3 to additional Certificate of Radio Equipment in Japan
Number: 08215111/AA/01*

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

Product description: Xbee PRO OEM RF module
Type designation: XBEEPRO
Trademark: Xbee PRO 802.15.4
Serial No: --
Hard- / Softw. release No: REV 2 / V10AX