telefication bv The Netherlands Chamber of Commerce 09076358 www.telefication.com



Certificate

of

Radio Equipment in JAPAN

No.: 10215062/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)

	2.4 GHz RF Module Digi International
Family name:	
Type designation:	
Serial No:	
Hard- / Softw. release No:	-
	O and States and State

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

This additional certificate is granted to:

Name:Digi InternationalAddress:11001 Bren Road EastCity:MN 55343 MinnetonkaCountry:United States

This additional certificate has THREE Annexes.

Zevenaar, 14 July 2010

i.o. B

CAB

W.J.M. Jong Operations Manager Certification



laboratory

certification

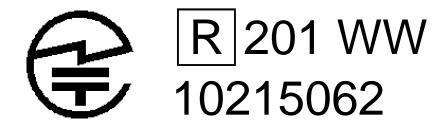
approvals



Annex 1 to additional Certificate of Radio Equipment in Japan Number: 10215062/AA/01

14 July 2010 Annex 1, Page 1 of 1

- 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:



Remarks and observations

The following conditions are applicable:

Module is available without flash or with flash-sizes of 16k - 128k.

Antennas for Zigbee:

- Bec AN2400-37A19BX, Dipole antenna, max. gain of 2.76 dBi at 2.4 GHz
- Bec R-AN2400-5701RS-Z, Dipole antenna, max. gain of 3.45 dBi at 2.4 GHz
- Buffalo WLE-HG-DA, Directional antenna, max. gain of 9.0 dBi at 2.4 GHz
- Digi XBEE-PRO S2B, PCB antenna, max. gain of -0.5 dBi at 2.4 GHz
- Maxstream M100275, Monopole antenna, max. gain of 1.8 dBi at 2.4 GHz
- Nearson S131AH-2450S, 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



Annex 2 to additional Certificate of Radio Equipment in Japan Number: 10215062/AA/01

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Documentation lodged for this type-examination

Test Reports:

- MiCOM Labs: DIGI07-J1 Rev B, 07 July 2010 -
- MiCOM Labs: DIGI07-J2 Rev B, 07 July 2010 _

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 (including amendments)

2008

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



Annex 2 to additional Certificate of Radio Equipment in Japan Number: 10215062/AA/01

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Technical features and characteristics

The product includes the following features and characteristics:

Zigbee:

- Operating frequency range: 2405-2475 MHz (15 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 2M61G1D
- Maximum output power: 7.9 mW/MHz rated
- Maximum antenna gain: 9.0 dBi
- Modulation method(s): O-QPSK



Annex 3 to additional Certificate of Radio Equipment in Japan Number: 10215062/AA/01

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

Product description:2.4 GHz RF ModuleType designation:XBEE-Pro S2BTrademark:Digi InternationalSerial No:--Hard- / Softw. release No:--