

# 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)

Product description: **2.4 GHz RF Module**  
Trademark: **Digi International**  
Family name: --  
Type designation: **XBEE-Pro S2B**  
Serial No: --  
Hard- / Softw. release No: --

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, 14 July 2010



W.J.M. Jong  
Operations Manager  
Certification



**CAB**

- 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  
10215062

#### 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

### 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 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:*

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*

14 July 2010  
*Annex 3, Page 1 of 1*

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

Product description:	2.4 GHz RF Module
Type designation:	XBEE-Pro S2B
Trademark:	Digi International
Serial No:	--
Hard- / Softw. release No:	--