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



Certificate of **Radio Equipment in JAPAN**

No: 07215215/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: Zigbee OEM RF Module

Trademark: XBee Series 2

Family name: -Type designation: **XBEE2**

Serial No: -

Hardware release No: 1941

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, 31 March 2009

CAB

M.H. Koop Manager Certification





Annex 1 to additional Certificate of Radio Equipment in Japan Number: 07215215/AA/01

31 March 2009 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:

Antennas for 802.15.4 / Zigbee:

- bec AN2400-37A19BX, Dipole antenna, max. gain of 2.48 dBi at 2.4 GHz
- bec R-AN2400-5701RS-Z, Dipole antenna, max. gain of 3.45 dBi at 2.4 GHz
- Fractus Reach Xtend UM_FR05-S1-N-0-001_v05, Ceramic Chip ant., 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 S131CL-L-xMM-2450S, 1/2 wave dipole, 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: 07215215/AA/01

31 March 2009 Annex 2, Page 1 of 2

Documentation lodged for this type-examination

Test Reports:

MiCOM Labs: Digi03-C3 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



Annex 2 to additional Certificate of Radio Equipment in Japan Number: 07215215/AA/01

31 March 2009 Annex 2, Page 2 of 2

Technical features and characteristics

The product includes the following features and characteristics:

802.15.4 / Zigbee:

- Operating frequency range: 2405 2480 MHz (16 Channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 2M61G1D
- Maximum output power: 1.6 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: 07215215/AA/01

31 March 2009 Annex 3, Page 1 of 1

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

Product description: Zigbee OEM RF Module

Type designation: XBEE2

Trademark: XBee Series 2

Serial No: --Hardware release No: 1941