

Certificate of Radio Equipment in Japan

MiCOM Labs Inc operating as Recognized Conformity Assessment Body (RCB ID Number: 210) 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)

Name of Applicant:	Digi International	
Postal Address of Applicant:	11001 Bren Road East Minnetonka, Minnesota 55343 USA	
Name of the Specified Radio Equipment certified by Type:	S2CTH 802.15.4 connectivity of embedded systems Zigbee	
Product description:		
Category of the Specified Radio Equipment:	Item 19, Paragraph 1, Article 2	
Type of Emissions Frequency and Antenna power		
Emission Designator	Frequency Band	Antenna Power
2M61G1D	2405 – 2480 MHz	4.80 mW/MHz
Hardware / Software revision:		
Identification Code:	R210-105563	

This is to certify that the above mentioned device has been granted in accordance with the provisions of Article 38-24, Paragraph 1 of the Radio Law.

Name: Gordon Hurst Title: Certification Manager Address: MiCOM Labs Inc, Pleasanton, CA

[Note: This certificate has THREE Annexes]

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Annex 1 to certificate of Radio Equipment in Japan

Certificate Number; R210-105563

The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination.

• When the manufacturer (or holder of this 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:

• Declared Supply voltage: 3.3 VDC

Antennas

Nearson dipole antenna

- Operational Range: 2.4 2.5 GHz
- Maximum gian: 2.0 dBi
- Mechanical length: 127 mm
- Reverse SMA

Pulse Single Band Antenna model: W1030

- Operational Range: 2.4 2.5 GHz
- Maximum gain: 2.0 dBi
- Mechanical length: 82.5 mm

Pulse Single Band Antenna model: W1049B050

- Operational Range: 2.4 2.5 GHz
- Maximum gain: 2.0 dBi
- Mechanical length: 82.5 mm

bec bobbintron electrical corporation model # AN2400-37A19BX

- Operational frequency: 2400 2500 MHz
- Maximum gain 2.0 dBi
- Mechanical length: 82.3 mm
- Reverse SMA

MaxStream Whip Antenna

- Operational frequency: 2.4 GHz
- Maximum Gain: -
- Mechanical Length: 28.6 mm





Annex 2 to certificate of Radio Equipment in Japan

Certificate Number; R210-105563

Documentation lodged for this type-examination:

Test Reports:

• MiCOM Labs: DIGI49-J2 Rev A

Product Documentation:

- Assembly drawings
- Layout Drawings
- Antenna Specifications
- Bill of materials
- Block diagram
- Electric/Schematic diagrams
- Antenna specifications
- Photos
- User manual

Technical Standards and Specifications

The product shows no non-compliances with the following Equipment Radio Regulations (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, paragraph1.



Annex 3 to certificate of Radio Equipment in Japan

Certificate Number; R210-105563

Technical features and characteristics

The product includes the following features and characteristics:

- ZigBee Module
- Operating frequency: 2400 2483.5 MHz
- Modulations: QPSK
- Operating Voltage: 2.2 3.6 VDC