

Certificate

Of

Radio Equipment in JAPAN

No.: 12215765/AA/00

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: **RN-131 802.11 b/g Wireless LAN Module**

Trademark: **Roving Networks**

Family name: --

Type designation: **RN-131G, RN-131C**

Serial No: --

Hard-/Software release No: --

Manufacturer: **Microchip Technology Inc.**

Address: **2355 West Chandler Blvd.**

City: **85224-6199 Chandler**

Country: **United States**

This certificate is granted to:

Name: **Microchip Technology Inc.**

Address: **2355 West Chandler Blvd.**

City: **85224-6199 Chandler**

Country: **United States**

This certificate has THREE Annexes.

Zevenaar, 28 November 2012

CAB

i.o. BJ


W.J.M. Jong
Manager Product Certification



- 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:



R 201-125765

Remarks and observations

The following conditions are applicable:

On-board chip antenna, optionally external antenna can be used.

Antennas for 2.4 GHz equipment with digital modulation:

- Antenova, 3030A5887-01, Chip antenna, max gain of 2.1 dBi at 2.4 GHz

Antennas for 2.4 GHz equipment with digital modulation:

- Roving Networks, RCT 1/2-wave, Wextended antenna, max gain of 2.2 dBi at 2.4 GHz

Documentation lodged for this type-examination

Test Reports:

- SGS Taiwan Ltd.: ER/2012/A0022, 09 November 2012

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:

IEEE 802.11b:

- Operating frequency range: 2412-2472 MHz (13 channels)
- Operating frequency band: 2400-2483.5 MHz
- Modulation method(s): DSSS: DBPSK, DQPSK, CCK
- ITU designation: 15M8F1D
- Maximum output power: 9 mW/MHz rated

IEEE 802.11g:

- Operating frequency range: 2412-2472 MHz (13 channels)
- Operating frequency band: 2400-2483.5 MHz
- Modulation method(s): DSSS: DBPSK, DQPSK, CCK; OFDM: BPSK, QPSK, 16QAM, 64QAM
- ITU designation: 16M6F1D
- Maximum output power: 4.5 mW/MHz rated

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

- Product description: RN-131 802.11 b/g Wireless LAN Module
- Trademark: Roving Networks
- Type Designation: RN-131G, RN-131C