

# Statement

## of Opinion

**No: 07214213/AA/00**

With respect to Chapter 10 of the Telecommunications Act of The Netherlands, Telefication declares that to our opinion the listed product complies with the essential requirements, in accordance with Article 3 of the Directive 1999/5/EC, as indicated under Annex 1 of this statement.

Product description: **Multi Radio 802.11a/b/g/n Wireless LAN Access Point**  
Trademark: **See annex 3**  
Family name: **--**  
Type designation: **See annex 3**  
Serial No: **See annex 3**  
Software release No: **See annex 3**

Manufacturer: **Universal Scientific Industrial Co., Ltd**  
Address: **141, Lane 351, Taiping Road, Sec. 1, Tsao Tuen**  
City: **54261 Nan-Tou**  
Country: **Taiwan R.O.C.**

This statement is granted to:

Name: **Meru Networks Inc.**  
Address: **894 Ross Drive**  
City: **CA 94089 Sunnyvale**  
Country: **United States**

This statement has THREE Annexes.

Zevenaar, 13 December 2007



M.H. Koop  
Manager Certification



For each product to which this Statement of Opinion relates (see annex 3) our opinion with respect to the essential requirements is as follows:

### Article 3.1

- C (a) The protection of the health and safety of the user and other person, including the objectives with respect to safety requirements contained in Directive 73/23/EEC, but with no voltage limit applying.
- C (b) The protection requirements with respect to electromagnetic compatibility contained in Directive 89/336/EEC.

### Article 3.2

- C The radio product shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communication and orbital resources so as to avoid harmful interference.

### Article 3.3

- NA (a) The product shall be so constructed that it interworks via networks with other apparatus and that it can be connected to interfaces of the appropriate type throughout the Community.
- NA (b) The product shall be so constructed that it does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service.
- NA (c) The product shall be so constructed that it incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected.
- NA (d) The product shall be so constructed that it supports certain features ensuring avoidance of fraud.
- NA (e) The product shall be so constructed that it supports certain features ensuring access to emergency services.
- NA (f) The product shall be so constructed that it supports certain features in order to facilitate its use by users with a disability.

### Opinions

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this product)
- NP = Not performed (in this type examination)

- The validity of this Statement of Opinion is limited to products, which are equal to the one examined in the type-examination.
- When the manufacturer (or holder of this statement) is placing the product on the European market or the countries of the EEA, the marking of this product must contain (among other elements) the Notified Body number of Telefication: 0560
- This Statement of Opinion does not imply that the product can be used in the European Union or the countries of the EEA. If the product can not be identified as 'class-1' in accordance with Commission Decision 2000/299/EC, then:
  - Placing the product on the market may be subject to notification to the national radio agencies.
  - Putting the product into service is subject to national frequency regulation and may require licencing.

#### Remarks and observations

*The following conditions are applicable:*

Support of IEEE 802.11n with channel bonding in both 2.4 and 5 GHz bands, with either 2x2 or 3x3 MIMO mode.

Antennas for IEEE 802.11a/b/g/n:

- ANT-DB1-RAF-RPS, Dipole antenna, max. gain of 4.7 dBi at 2.4 GHz & max. gain of 4.3 dBi at 5 GHz
- MRU04-220050, Dipole antenna, max. gain of 2 dBi at 2.4 GHz & max. gain of 3 dBi at 5 GHz

### Documentation lodged for this Statement of Opinion

#### *Test Reports:*

- Sporton International Inc.: 7N1001, 12 December 2007
- Sporton International Inc.: EH7N1001, 06 December 2007
- Sporton International Inc.: ER7N1001A, 22 November 2007
- Sporton International Inc.: ER7N1001B, 03 December 2007

#### *Product Documentation:*

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Photos
- User manual
- TCF file

### Technical Standards and Specifications

#### *The product shows no non-compliances with:*

- EN 300 328	October 2006	V1.7.1
- EN 301 489-1	September 2005	V1.6.1
- EN 301 489-17	August 2002	V1.2.1
- EN 301 893	July 2007	V1.4.1
- EN 50383	August 2002	
- IEC 60950-1	2001	First Ed.

## Technical features and characteristics

*The product includes the following features and characteristics:*

Draft IEEE 802.11n (20 MHz):

- Operating frequency range: 2412-2472 MHz; 5180-5240 MHz
- Maximum output power: 19.93 dBm at 2.4 GHz and 19.42 at 5 GHz
- Maximum antenna gain: 4.7 dBi at 2.4 GHz and 4.3 GHz at 5 GHz
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

Draft IEEE 802.11n (40 MHz):

- Operating frequency range: 2422-2462 MHz; 5190-5230 MHz
- Maximum output power: 19.91 dBm at 2.4 GHz and 19.45 at 5 GHz
- Maximum antenna gain: 4.7 dBi at 2.4 GHz and 4.3 GHz at 5 GHz
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

IEEE 802.11a:

- Operating frequency range: 5180-5240 MHz
- Maximum output power: 19.46 dBm
- Maximum antenna gain: 4.3 dBi
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

IEEE 802.11b/g:

- Operating frequency range: 2412-2472 MHz (13 channels)
- Maximum output power: 19.90 dBm
- Maximum antenna gain: 4.7 dBi
- Modulation method(s): DSSS: DBPSK, DQPSK, CCK; OFDM: BPSK, QPSK, 16QAM, 64QAM

*The product as described in this Statement of Opinion includes the following type designations:*

Product description: Multi Radio 802.11a/b/g/n Wireless LAN Access Point  
Type designation: AP302  
Trademark: Meru Networks Inc.  
Serial No: --  
Hard- / Softw. release No: --

Product description: Multi Radio 802.11a/b/g/n Wireless LAN Access Point  
Type designation: AP310  
Trademark: Meru Networks Inc.  
Serial No: --  
Hard- / Softw. release No: --

Product description: Multi Radio 802.11a/b/g/n Wireless LAN Access Point  
Type designation: AP311  
Trademark: Meru Networks Inc.  
Serial No: --  
Hard- / Softw. release No: --

Product description: Multi Radio 802.11a/b/g/n Wireless LAN Access Point  
Type designation: AP320  
Trademark: Meru Networks Inc.  
Serial No: --  
Hard- / Softw. release No: --