

Statement of Opinion

No: 172140032/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: **E225#02**
Trademark: **Maestro**
Type designation: **E225#02**
Hardware / Software version: **V07 / V2.1.2**
Variants: --

Manufacturer: **M&F Technologies Limited**
Address: **Flat A & B, 9F, Wing Cheong Factory Building, 121 King Lam Street, Cheung Sha Wan**
City: **Hong Kong**
Country: **China**

This statement is granted to:

Name: **M&F Technologies Limited**
Address: **Flat A & B, 9F, Wing Cheong Factory Building, 121 King Lam Street, Cheung Sha Wan**
City: **Hong Kong**
Country: **China**

This statement has THREE Annexes.

Zevenaar, 08 February 2017



Mohammad Elhaj
Product Assessor



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/EEC¹⁾, but with no voltage limit applying.
- C (b) The protection requirements with respect to electromagnetic compatibility contained in Directive 89/336/EEC¹⁾.

¹⁾ In addition standards published under Directives 2006/95/EC, 2004/108/EC, 90/385/EEC, 93/42/EEC, 2014/35/EU and 2014/30/EU may have been used to demonstrate compliance with articles 3.1.a and 3.1.b of Directive 1999/5/EC.

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 equipment)
- NP = Not performed (in this statement)

- 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.
- This Statement of Opinion will expire on 13th of June 2017, because the transition period of the R&TTE Directive (1999/5/EC) into the Radio Equipment Directive (2014/53/EU) will end on this date. As from 13th of June 2017 only the Radio Equipment Directive may be applied to place products on the European market or the countries of the EEA.

Remarks and observations

The following conditions are applicable:

POE is capable
MIMO with 2T2R capability

Documentation lodged for this Statement of Opinion

Test Reports:

- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-501, 23 January 2017
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-502, 06 February 2017
- Sporton International Inc.: EZ5O0915, 12 January 2016
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-601, 23 January 2017
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-602, 06 February 2017
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-701, 23 January 2017
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-101, 23 January 2017
- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ16C0219-401, 23 January 2017

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Internal photos
- External photos
- Manual

Technical Standards and Specifications

The following standards have been used in full or part to cover the essential requirements:

EN 300 328	February, 2015	V1.9.1
EN 300 440-1	August, 2010	V1.6.1
EN 300 440-2	August, 2010	V1.4.1
EN 301 489-1	September, 2011	V1.9.2
EN 301 489-17	September, 2012	V2.2.1
EN 301 489-24	October, 2010	V1.5.1
EN 301 489-3	August, 2013	V1.6.1
EN 301 489-7	November, 2005	V1.3.1
EN 301 511	June, 2015	V12.1.1
EN 301 908-1	March, 2015	V7.1.1
EN 301 908-2	December, 2015	V7.1.1
EN 60950-1	2006	
EN 60950-1/A1	March, 2010	
EN 60950-1/A11	March, 2009	
EN 60950-1/A12	February, 2011	
EN 60950-1/A2	August, 2013	
EN 62311	January, 2008	

Technical features and characteristics

The product includes the following features and characteristics:

GPS receiver

- Operating frequency range: 1575.42 MHz

IEEE 802.11b/g/n (20/40 MHz)

- Operating frequency range: 2412-2472 MHz (13/9 channels)
- Maximum output power: 17.0 dBm EIRP average (calculated)
- Maximum antenna gain: 3.8 dBi

GSM 900

- Operating frequency range: 880-915, 925-960 MHz
- Maximum output power: 33 dBm rated

GSM 1800

- Operating frequency range: 1710-1785, 1805-1880 MHz
- Maximum output power: 30 dBm rated

WCDMA Band I

- Operating frequency range: 1920-1980, 2110-2170 MHz
- Maximum output power: 24 dBm rated

WCDMA Band VIII

- Operating frequency range: 880-915, 925-960 MHz
- Maximum output power: 24 dBm rated

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

- Product description: E225#02
- Trademark: Maestro
- Type designation: E225#02
- Hardware version: V07
- Software version: V2.1.2