

EC Declaration of Suitability for Use

| | |
|---|---|
| Name and Address of the Manufacturer or Air Navigation Service Provider (if the latter is the manufacturer) | RHOTHETA Elektronik GmbH Dr.-Ingeborg-Haeckel-Str. 2 82418 Murnau Germany |
| Constituent / Scope | RT-1000 Multichannel RF-Splitter RF Splitter Unit of the Multi-Channel Direction Finder RHOTHETA RT-1000 Multichannel |
| System Allocation | Navigation Systems and Procedures |

1. Common Information relating to the Constituent

1.1 Regulation Reference Number

Relevant Provisions of

- Regulation (EC) No 552/2004 on the Interoperability of the European Air Traffic Management Network,
- Commission Implementing Regulation (EU) No 1079/2012 laying down requirements for voice channels spacing for the single European sky,
- Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC; to be implemented in national German law by the "Gesetz über die Bereitstellung von Funkanlagen auf dem Markt" (Funkanlagenengesetz – FuAG).

1.2 Manufacturer Information

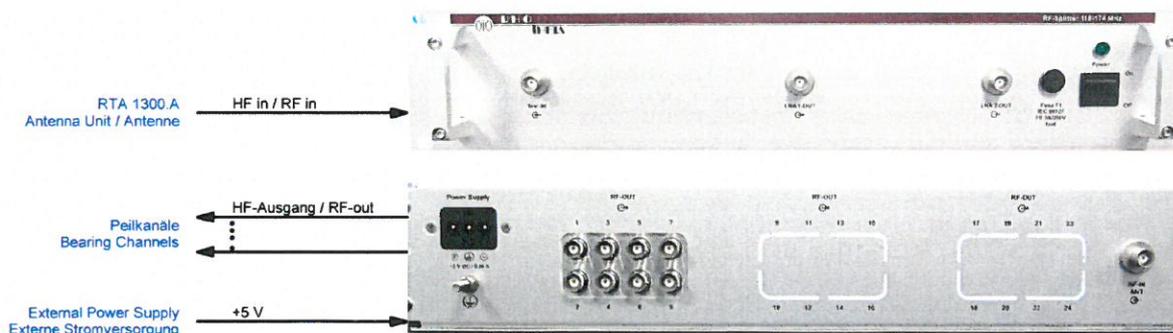
RHOTHETA Elektronik GmbH, Dr.-Ingeborg-Haeckel-Str. 2, 82418 Murnau, Germany

1.3 Description of the Constituent

RF-Splitter for the frequency range 118,000 – 174,000 MHz:

The unit distributes an antenna signal, provided by the RTA 1300.A antenna unit, to up to 24 RT-1000 Multichannel bearing channels. Additional ports are provided for testing purposes.

The RF splitter is designed for 19" rack installation with an operational temperature range from -20°C to +55°C. Supply is provided through a stabilized DC voltage of 5 to 5,3 V.



1.4 Description of the Procedure followed in order to declare Conformity or Suitability for Use

- Conformity assessment procedure according to Annex II of Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC
- Conformity assessment according to the Regulation (EC) No 552/2004 on the Interoperability of the European Air Traffic Management Network.

1.5 Relevant Provisions

Following harmonised standards are applied according to Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC:

Health & Safety

EN 62368-1: 2014/AC: 2015

EMC

EN 301 489-1 V1.9.2

EN 301 489-1 V2.2.0 (Draft)

EN 301 489-22 V1.3.1

Radio:

EN 300 676-1 V1.5.2

EN 300 676-2 V2.1.1

Other standards applied to development and qualification of the RF Splitter are:

- National German authorisation rule "Bekanntmachung über die Anforderungen zur Musterzulassung von Funkpeilanlagen im Frequenzbereich 117,975 – 137 MHz", publicized in NfL II 43/03 (DFS)
- DIN EN 60068 Series environmental testing standards

1.6 Notified Bodies

1.7 Reference to the Community Specifications

1.8 Identification of the Signatory

Dipl.-Ing. (FH) Wolfgang Pichl, Managing Director RHOTHETA Elektronik GmbH

2. Declaration

RHOTHETA Elektronik GmbH, 82418 Murnau, Germany, hereby declares that the constituent described above was considered with regard to its suitability for use within the air traffic management environment.

Murnau, 2017-08-02

Authorised Representative

Wolfgang Pichl