

## 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" (Funkanlagengesetz – FuAG).

### 1.2 Manufacturer Information

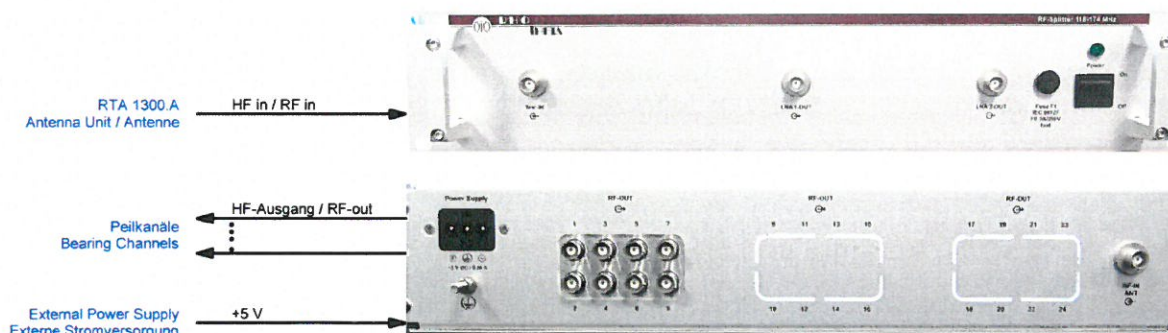
RHOTHETA Elektronik GmbH, Dr.-Ingeborg-Haeckel-Str. 2, 82418 Murnau, Germany

### 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

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#### 1.7 Reference to the Community Specifications

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#### 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