

# R&S® ADD307 COLLAPSIBLE VHF/UHF DF ANTENNA



Product Brochure  
Version 02.00

**ROHDE & SCHWARZ**

Make ideas real





## KEY FACTS

- ▶ Frequency range from 20 MHz to 690 MHz
- ▶ Collapsible lightweight design
- ▶ Superior system DF accuracy
- ▶ Integrated GPS and electronic compass (depending on version)
- ▶ Tripod with antenna adapter (option)

# AT A GLANCE

R&S®ADDx compact single-channel DF antennas are vital to Rohde & Schwarz direction finder performance. The technology is based on over 50 years of experience in developing DF antennas with superior sensitivity and accuracy, despite their compact size.

The R&S®ADD307 VHF/UHF DF antenna is optimized for portable radiolocation in the frequency range from 20 MHz to 690 MHz and for small scale electronic warfare (EW) operations including emitter hunting missions and long-term monitoring missions close to targets. Its collapsible design enables a large diameter and its wide aperture and long antenna elements increase its sensitivity and accuracy.

Sporadic radio interference sources and short emissions from private mobile radios (PMR) can be located with

two or more transportable spectrum monitoring stations temporarily deployed at higher elevations, such as roof tops. Transportable ESM systems can be deployed for the quick surveillance of static areas, such as command outposts or for convoy protection during tactical movements. For temporary deployment, the R&S®ADD307 can be installed on an R&S®ADD17XZ6 wooden tripod or on an R&S®DDF1555X01 lightweight tripod with adapter.

The R&S®ADD307 can be installed on transportable masts with the R&S®DDF1555X04 mast adapter.

## SPECIFICATIONS IN BRIEF

### Specifications in brief

Frequency range	20 MHz to 690 MHz	
Polarization		vertical
System DF accuracy		1° RMS (typ.)
Dimensions (Ø × H)	in operation	approx. 1.06 m × 0.52 m (41.73 in × 20.47 in)
	collapsed	approx. 0.31 m × 0.53 m (12.20 in × 20.87 in)
Weight		approx. 6.6 kg (14.55 lb)

## ORDERING INFORMATION

Description	Type	Order No.
<b>Antenna</b>		
Collapsible VHF/UHF DF antenna	R&S®ADD307	4098.2002.07
Collapsible VHF/UHF DF antenna, without compass	R&S®ADD307	4098.2002.57
<b>Accessories</b>		
<b>Adapter for masts</b>		
Mast adapter, for transportable masts	R&S®DDF1555X04	4500.4541.02
<b>Tripods</b>		
Wooden tripod with adapter	R&S®ADD17XZ6	4090.8860.02
Lightweight tripod with antenna adapter	R&S®DDF1555X01	4500.4506.02

### Service options

Extended warranty, one year	R&S®WE1	Contact your local Rohde & Schwarz sales office for more information.
Extended warranty, two years	R&S®WE2	
Extended warranty, three years	R&S®WE3	
Extended warranty, four years	R&S®WE4	
Performance check	R&S®CHK-PERF	5930.0144.00

## Service at Rohde & Schwarz You're in great hands

- ▶ Worldwide
- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

## Rohde & Schwarz

The Rohde & Schwarz technology group is among the trailblazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks & cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

[www.rohde-schwarz.com](http://www.rohde-schwarz.com)

## Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management

**ISO 9001**

Certified Environmental Management

**ISO 14001**

## Rohde & Schwarz training

[www.training.rohde-schwarz.com](http://www.training.rohde-schwarz.com)

## Rohde & Schwarz customer support

[www.rohde-schwarz.com/support](http://www.rohde-schwarz.com/support)

