

# R&S® ADD119 MOBILE HF DF ANTENNA



Product Brochure  
Version 01.00

**ROHDE & SCHWARZ**

Make ideas real





# AT A GLANCE

R&S®ADDx direction finding 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.

The R&S®ADD119 mobile HF DF antenna is optimized for radiolocation from mobile and transportable spectrum monitoring stations and COMINT/CESM platforms. It is designed for operation with Rohde & Schwarz single-channel and multichannel direction finders and suitable for the reception of ground waves and low-angle sky waves.

The R&S®ADD119 can be installed on masts with the R&S®ADD150A mast adapter and used with the R&S®ADD1XTP tripod with adapter.

The R&S®IN061 power supply is required for antenna cables longer than 75 m.

## KEY FACTS

- ▶ Frequency range from 300 kHz to 30 MHz
- ▶ Suitable for ground wave and low-angle sky wave signals
- ▶ Tripod with adapter available as option
- ▶ Vehicle adapter available as option

# SPECIFICATIONS IN BRIEF

## Specifications in brief

Frequency range		300 kHz to 30 MHz
Polarization		vertical
System DF accuracy	below 1 MHz limited DF accuracy and sensitivity	≤ 2° RMS
Antenna element design		active crossed-loop with antenna with dipole
Dimensions	Ø × H	approx. 1.1 m × 0.33 m (3.61 ft × 1.08 ft)
Weight	without ice deposit, with lightning protection rod	approx. 25 kg (55.12 lb)

# ORDERING INFORMATION

Description	Type	Order No.
<b>Antenna</b>		
Mobile HF DF antenna, color: light ivory	R&S®ADD119	4053.6509.02
Mobile HF DF antenna, color: yellow olive	R&S®ADD119	4053.6509.03
Mobile HF DF antenna, color: squirrel grey	R&S®ADD119	4053.6509.04
Mobile HF DF antenna, color: bronze green	R&S®ADD119	4053.6509.05
<b>Accessories</b>		
<b>Adapter for masts</b>		
Mast adapter, color: light ivory	R&S®ADD150A	4041.2655.02
Mast adapter, color: yellow olive	R&S®ADD150A	4041.2655.03
Mast adapter, color: squirrel grey	R&S®ADD150A	4041.2655.04
Mast adapter, color: bronze green	R&S®ADD150A	4041.2655.05
Mast adapter, color: traffic red	R&S®ADD150A	4041.2655.06
<b>Adapter for vehicles</b>		
Vehicle adapter, color: light ivory	R&S®AP502Z1	0515.1419.02
Vehicle adapter, color: yellow olive	R&S®AP502Z1	0515.1419.03
Vehicle adapter, color: squirrel grey	R&S®AP502Z1	0515.1419.04
Vehicle adapter, color: bronze green	R&S®AP502Z1	0515.1419.05
<b>Power supply</b>		
Power supply	R&S®IN061	4041.9508.02
<b>Tripods</b>		
Tripod with adapter, color: bronze green	R&S®ADD1XTP	4063.4409.02
Tripod with adapter, color: aluminum	R&S®ADD1XTP	4063.4409.03

## 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	

## 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 trail-blazers 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)

