

# R&S® ADD207P PASSIVE COMPACT UHF/SHF DF ANTENNA



Product Brochure  
Version 01.00

**ROHDE & SCHWARZ**

Make ideas real





# AT A GLANCE

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

R&S®ADD207P UHF/SHF DF antennas are optimized for radiolocation from a moving vehicle in dense urban spectrum environments, on interference hunting missions in mobile phone networks and for small scale electronic warfare (EW) operations including emitter hunting missions and long-term monitoring missions close to targets. With the optional R&S®ADD17XZ3 vehicle adapter with magnet mount, the R&S®ADD207P can turn a commercial vehicle into an accurate mobile direction finder within minutes. The large magnetic surface and adaptation to slightly curved vehicle roofs, enables the adapter to be used at speeds of up to 130 km/h.

R&S®ADD207P features an entirely passive signal path in the frequency range below 2.9 GHz for maximum immunity to strong unwanted signals, such as mobile phone base stations.

Sporadic radio interference sources and short emissions from private mobile radios (PMR) can be located with two or more transportable monitoring stations temporarily deployed at higher elevations, such as roof tops. Transportable ESM systems can be deployed for quick surveillance of static areas, such as command outposts or for convoy protection during tactical movements.

## KEY FACTS

- ▶ Frequency range from 600 MHz to 6 GHz
- ▶ Superior system DF accuracy
- ▶ Entirely passive signal path below 2.9 GHz
- ▶ Integrated GPS and electronic compass (depending on version)
- ▶ Vehicle adapter with magnet mount (option)

For temporary deployment, the R&S®ADD207P can be installed on an R&S®ADD17XZ6 wooden tripod or on an R&S®DDF1555X01 lightweight tripod with adapter.

R&S®ADD207P can be installed on erectable masts with the R&S®ADD17XZ2 mast adapter. The R&S®DDF1555X04 mast adapter is recommended for installation on transportable masts.

# SPECIFICATIONS IN BRIEF

Specifications in brief		
Frequency range		600 MHz to 6 GHz
Polarization		vertical
System DF accuracy		1.5° RMS (typ.)
Dimensions	Ø × H	approx. 0.33 m × 0.27 m (13 in × 10.63 in)
Weight		approx. 6 kg (13.23 lb)

# ORDERING INFORMATION

Description	Type	Order No.
<b>Antenna</b>		
Passive compact VHF/UHF DF antenna, color: light ivory	R&S®ADD207P	4096.0002.12
Passive compact VHF/UHF DF antenna, color: squirrel grey	R&S®ADD207P	4096.0002.14
Passive compact VHF/UHF DF antenna, color: bronze green	R&S®ADD207P	4096.0002.15
Passive compact VHF/UHF DF antenna, color: pure white	R&S®ADD207P	4096.0002.16
Passive compact VHF/UHF DF antenna, color: jet black	R&S®ADD207P	4096.0002.17
Passive compact VHF/UHF DF antenna, without compass, color: light ivory	R&S®ADD207P	4096.0002.62
Passive compact VHF/UHF DF antenna, without compass, color: squirrel grey	R&S®ADD207P	4096.0002.64
Passive compact VHF/UHF DF antenna, without compass, color: bronze green	R&S®ADD207P	4096.0002.65
Passive compact VHF/UHF DF antenna, without compass, color: pure white	R&S®ADD207P	4096.0002.66
Passive compact VHF/UHF DF antenna, without compass, color: jet black	R&S®ADD207P	4096.0002.67
<b>Accessories</b>		
<b>Adapter for masts</b>		
Mast adapter	R&S®ADD17XZ2	4079.5000.02
Mast adapter, for transportable masts	R&S®DDF1555X04	4500.4541.02
<b>Adapter for vehicles</b>		
Vehicle adapter with magnet mount	R&S®ADD17XZ3	4090.8801.02
<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	
Extended warranty, two years	R&S®WE2	Please contact your local
Extended warranty, three years	R&S®WE3	Rohde & Schwarz sales office.
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)

