

# R&S® ADD075 UHF/SHF DF ANTENNA



Product Brochure  
Version 01.00

**ROHDE & SCHWARZ**

Make ideas real





# AT A GLANCE

R&S®ADDx advanced 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.

R&S®ADD075 UHF/SHF DF antenna is optimized for radiolocation from fixed, mobile and transportable spectrum monitoring stations. It is designed for operation with Rohde & Schwarz single-channel direction finders and features integrated lightning protection that does not affect performance. The optional R&S®ADD07X-LR lightning rod is available.

The performance of the R&S®ADD075 is in line with all relevant ITU recommendations and the ITU Handbook on Spectrum Monitoring.

The R&S®ADD075 can be installed on a mast with the R&S®ADD07XZB mast adapter and on top of another DF antenna using the R&S®ADD07XZT mast adapter. In addition, the R&S®ADD075 can be used with the R&S®ADD1XTP tripod with adapter.

The R&S®IN061 power supply is required for antenna cables longer than 42 m.

## KEY FACTS

- ▶ Frequency range from 1.3 GHz to 8.2 GHz
- ▶ Superior system DF accuracy
- ▶ Passive antenna elements
- ▶ Integrated lightning protection that does not affect performance
- ▶ In line with all relevant ITU recommendations

# SPECIFICATIONS IN BRIEF

Specifications in brief		
Frequency range		1.3 GHz to 8.2 GHz
Polarization		vertical
System DF accuracy	with installed lightning protection, in line with Recommendation ITU-R SM.2060	1° RMS (typ.)
Antenna element design	in line with ITU Handbook on Spectrum Monitoring, edition 2010, chapter 3.2.4.1	passive
Lightning protection	in line with ITU Handbook on Spectrum Monitoring, edition 2010, chapter 2.6.2.4.6	lightning rod mounted vertically above the antenna system
Dimensions	Ø × H, without lightning rod	approx. 0.34 m × 0.41 m (1.11 ft × 1.35 ft)
Weight	without ice deposit, with lightning protection rod	approx. 13.5 kg (29.76 lb)

# ORDERING INFORMATION

Description	Type	Order No.
<b>Antenna</b>		
UHF/SHF DF antenna, color: light ivory	R&S®ADD075	4069.6603.12
UHF/SHF DF antenna, color: yellow olive	R&S®ADD075	4069.6603.13
UHF/SHF DF antenna, color: squirrel grey	R&S®ADD075	4069.6603.14
UHF/SHF DF antenna, color: bronze green	R&S®ADD075	4069.6603.15
<b>Accessories</b>		
<b>Adapter for masts</b>		
Mast adapter, bottom	R&S®ADD07XZB	4069.7300.02
Mast adapter, top	R&S®ADD07XZT	4069.7200.02
<b>Lightning protection</b>		
Extended lightning protection	R&S®ADD07X-LR	4098.4505.02
<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)

