

R&S® ADD216 COMPACT LF UHF DF ANTENNA



Product Brochure
Version 01.00

ROHDE & SCHWARZ

Make ideas real



AT A GLANCE

R&S®ADDx multichannel 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.

The R&S®ADD216 compact LF UHF DF antenna is optimized for radiolocation from mobile and shipborne COMINT/CESM platforms. It is designed to be operated with Rohde & Schwarz multichannel direction finders that use the Watson-Watt and correlative interferometer direction finding methods. Two antenna outputs for the frequency ranges from 50 kHz to 120 MHz and 20 MHz to 3 GHz enable radiomonitoring.

The external R&S®HP016 HF dipole can serve as a reference antenna for the R&S®ADD216 or an antenna combination can be used for the HF range, especially in areas with poor signal reception.

KEY FACTS

- ▶ Mobile broadband DF antenna for the frequency range from 300 kHz to 3 GHz
- ▶ Highly integrated antenna system with unique direction finding sensitivity and accuracy
- ▶ Especially suitable for use on board ships
- ▶ Two independent omnidirectional reception antennas for the HF and VHF/UHF ranges already integrated for connecting separate receivers
- ▶ Protected against voltage surges from nearby lightning strikes

SPECIFICATIONS IN BRIEF

Specifications in brief		
Frequency range		300 kHz to 3 GHz
Polarization		vertical
System DF accuracy ¹⁾		2° RMS (typ.)
Dimensions	Ø × H	approx. 0.55 m × 0.83 m (1.80 ft × 2.72 ft)
Weight		approx. 48 kg (105.82 lb)

¹⁾ Measurement in reflection-free environment. The RMS error is calculated from the bearings of evenly distributed samples versus azimuth and frequency.

ORDERING INFORMATION

Description	Type	Order No.
Antenna, for use with R&S®DDF550/R&S®DDF5GTS, for mobile/stationary direction finding from 20 MHz to 3 GHz		
Compact LF UHF DF antenna, color: light ivory	R&S®ADD216	4068.3000.02
Compact LF UHF DF antenna, color: squirrel gray	R&S®ADD216	4068.3000.04
Compact LF UHF DF antenna, color: bronze green	R&S®ADD216	4068.3000.05
Compact LF UHF DF antenna, color: light weatherwork gray	R&S®ADD216	4068.3000.06
Accessories		
HF dipoles		
HF dipole, reference antenna for R&S®ADD216, active	R&S®HP016	4068.3500.0x
HF dipole, reference antenna for R&S®ADD216, passive	R&S®HP016	4068.3500.1x

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- ▶ 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

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

Rohde & Schwarz customer support

www.rohde-schwarz.com/support

