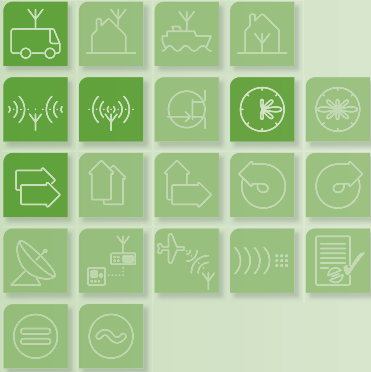


# VHF/UHF Antennas

## ILS/VOR Test Antenna

### R&S® HF 108



**108 MHz to 118 MHz**

**Ground measurements for instrument landing system (ILS) and very high frequency omnidirectional range (VOR)**

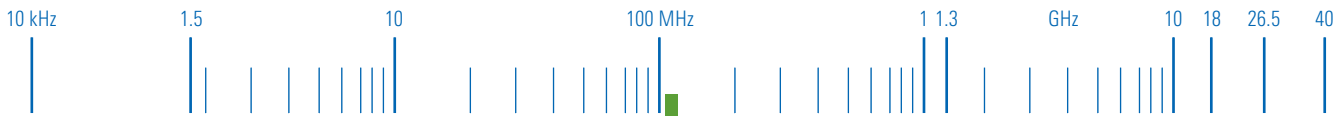
#### Features

- ◆ Linear horizontal polarization
- ◆ Measurement antenna for ILS and VOR
- ◆ Highly linear gain and VSWR characteristics

#### Brief description

The R&S® HF 108 is a VHF/UHF test antenna for horizontally polarized signals.

It is suitable for ground measurements within the instrument landing system (ILS) and for measurements in the VHF omnidirectional range (VOR).

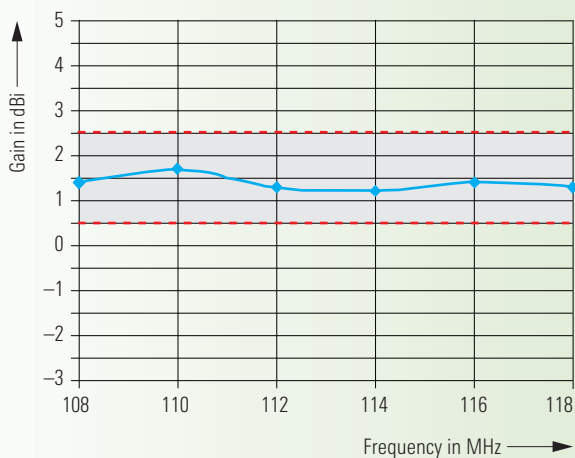


## Specifications

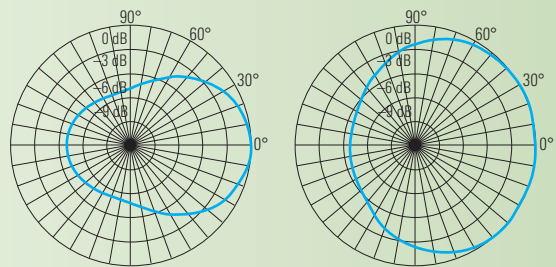
|                    |                    |                             |                                    |
|--------------------|--------------------|-----------------------------|------------------------------------|
| Frequency range    | 108 MHz to 118 MHz | Connector                   | BNC female                         |
| Polarization       | linear/horizontal  | MTBF                        | >500 000 h                         |
| Input impedance    | 50 $\Omega$        | Operating temperature range | -20 °C to +60 °C                   |
| VSWR               |                    | Max. wind speed             | 200 km/h (without ice deposit)     |
| 108 MHz to 112 MHz | <1.4 (typ. <1.2)   | Dimensions (L x W x H)      | approx. 1370 mm x 1130 mm x 350 mm |
| 112 MHz to 118 MHz | typ. <1.9          | Weight                      | approx. 4 kg                       |
| Gain               | typ. 1.5 dBi       | Protection class            | IP 65 to DIN 40050                 |
| Antenna factor     | typ. 10 dB         |                             |                                    |
| Max. input power   | <10 mW             |                             |                                    |

## Ordering information

**ILS/VOR Test Antenna** R&S® HF 108 4061.0506.02



**Typical gain**



**Azimuth diagram at 110 MHz with normal mounting (E field)**      **Elevation diagram at 110 MHz with normal mounting (H field)**

**Typical radiation patterns**