

R&S®HK056 BROADBAND MOBILE ANTENNA

600 MHz to 3 GHz

Compact transmitting/receiving antenna specially designed for operation on vehicles



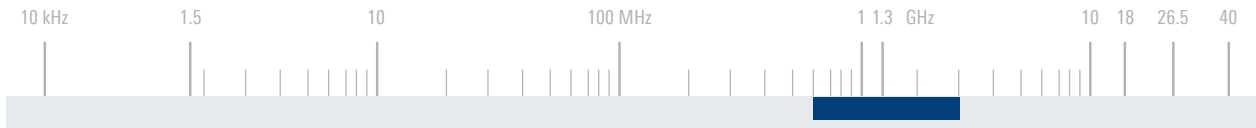
The R&S®HK056 broadband mobile antenna is designed for mobile and semi-stationary communications tasks.

The antenna elements are integrated in a highly weather-resistant radome and are connected to the antenna base via a spring element with a tilt and erect function.

The antenna is installed using a four-hole NATO flange, which provides for easy integration in numerous existing systems.

Key facts

- ▶ Extremely wide frequency range
- ▶ High efficiency
- ▶ Excellent radiation characteristics
- ▶ For use in harsh environments
- ▶ Wide operating temperature range



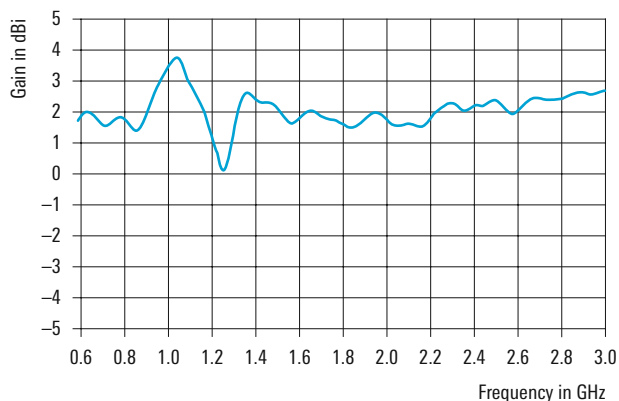
Specifications

Frequency range		600 MHz to 3 GHz
Connector		N female, 50 Ω
VSWR		typ. < 3.0, peaks up to 3.5
Gain		typ. 2 dBi (see diagram)
Polarization		vertical
Azimuth pattern		omnidirectional
Max. deviation from circularity		±1 dB
Elevation pattern		dipole-like
Input power	up to +40°C	100 W CW
	+40°C to +71°C	50 W CW
Protection class		IP67, in line with EN60529
Operating temperature range		−40°C to +71°C
Dimensions	diameter × length	approx. 46 mm × 968 mm (2 in × 38 in)
	flange diameter	approx. 140 mm (6 in)
Weight		approx. 3.5 kg (8 lb)

Ordering information

Ordering information	Type	Order No.
Broadband mobile antenna, color: bronze green (RAL 6031F9)	R&S®HK056	4067.4403.04

Typical gain



Typical elevation pattern in the E plane at 2 GHz

