



Specifications	
Frequency range	27.5 MHz to 600 MHz
Polarization	vertical
Input impedance	50 Ω
VSWR	<3.0 (measured on a 3 m × 3 m ground plane)
Gain	
27.5 MHz to 110 MHz	-1 dBi to +2 dBi (typ.) (measured on a 3 m × 3 m ground plane)
110 MHz to 600 MHz	0 dBi to +2 dBi (typ.) (measured under free space conditions)
Azimuth pattern	omnidirectional
Maximum deviation from circularity	±1 dB

Elevation pattern	like monopoles (<110 MHz), like dipoles (>110 MHz)
Input power	max. 100 W CW (≥30 MHz), max. 50 W CW (<30 MHz)
Connector	N female
MTBF	>300 000 h
Operating temperature range	-40°C to +85°C
Permissible wind speed	200 km/h
Dimensions	
Length	approx. 1585 mm (approx. 62.4 in)
Diameter	approx. 165 mm (approx. 6.5 in)
Weight	approx. 12 kg (approx. 26.5 lb)

Ordering information	Type	Order No.
Omnidirectional Broadband Antenna		
Color: sand yellow (RAL 1002)	R&S®HK055S1	4067.0443.04
Color: silver grey (RAL 7001)	R&S®HK055S1	4067.0443.05
Recommended extras		
VHF/UHF Frequency Triplexer	R&S®FT255	4077.9508.02

