

Omnidirectional Antenna
27 to 61 MHz

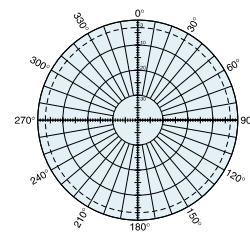
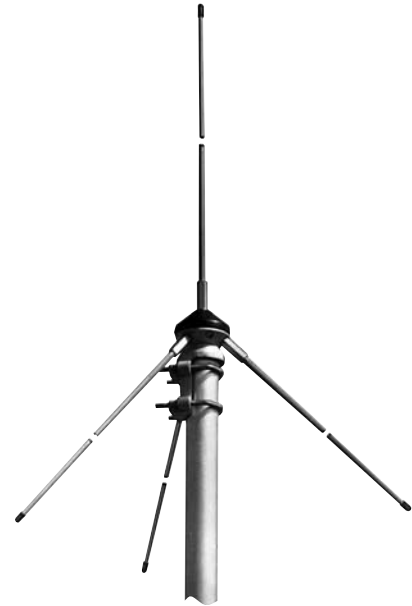
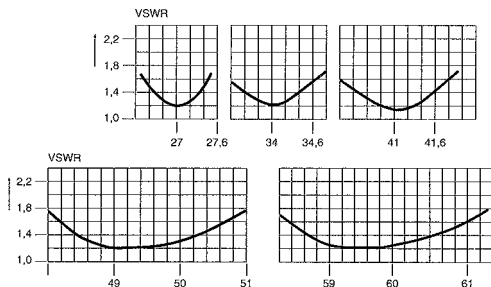
The Kathrein K512472 and 717 758 omnidirectional groundplane antennas are intended for use in professional fixed-station applications in the 27–61 MHz band. They feature:

- Variable mounting configurations allow feeder cable to be run inside or outside the support pipe.
- Easy assembly.
- All metal parts at DC ground potential.
- Stainless steel hardware and fastenings.
- Fiberglass element construction.

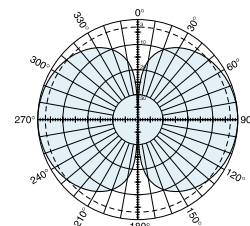
Specifications:

Frequency range	27 to 61 MHz (specify frequency)	
Gain	2 dBi	
Impedance	50 ohms	
VSWR	See charts below	
Polarization	Vertical	
Maximum input power	500 watts (at 50°C)	
H-plane beamwidth	Omni	
E-plane beamwidth	78 degrees	
Connector	K512472	UHF female
	717 758	N female
Weight	3.53 lb (1.6 kg)	
Dimensions		
radiating element	98.8 inches (2510 mm) (maximum)	
ground radials	98.8 inches (2510 mm) (maximum)	
Wind load	at 93 mph (150kph) 27 lbf / 120 N	
Wind survival rating*	84 mph (135 kph)	
Shipping dimensions	106.5 x 5.4 x 3.9 inches (2704 x 136 x 100 mm)	
Shipping weight	8 lb (3.6 kg)	
Mounting	Mounting hardware supplied.	
	A. Mounting for 0.8 to 2.2 inch (20 to 54 mm) OD mast.	
	B. Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast.	

* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



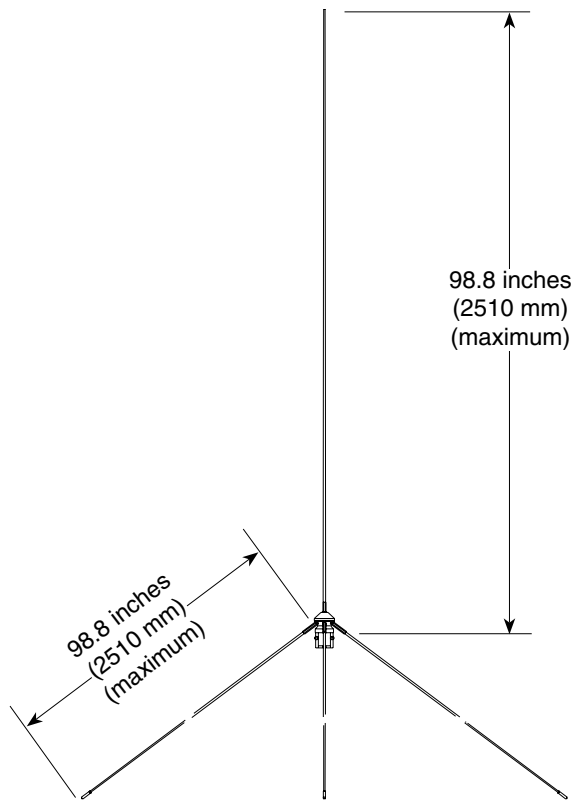
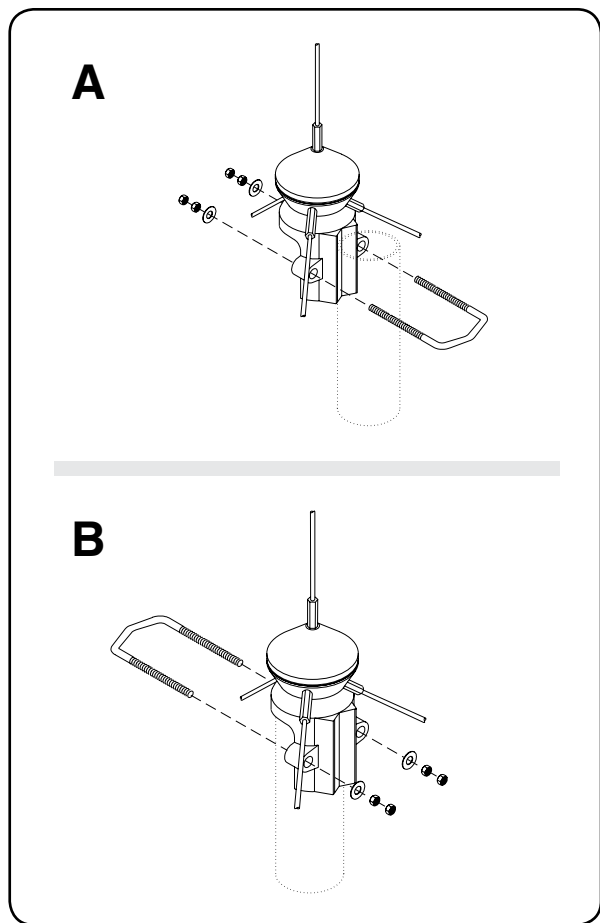
H-plane
Horizontal pattern – V-polarization



E-plane
Vertical pattern – V-polarization



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936.407/b 936.505/a



Mounting Options:

	Description
A	Mounting for 0.8 to 2.2 inch (20 to 54 mm) OD mast
B	Mounting for 1.6 to 2.2 inch (40 to 54 mm) OD mast

Order Information:

Model	Description
K512472	27 to 61 MHz Antenna with UHF connector
717 758	27 to 61 MHz Antenna with N connector
K5124701	Spare radials

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.

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