

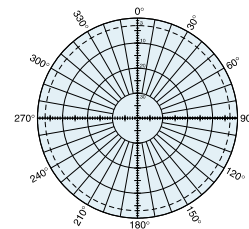
Kathrein's omnidirectional antennas incorporate the quality design and attention to detail that have established our entire line of professional base station antennas as industry leaders. These antennas feature:

- Collinear broadband design.
- Brass radiator assembly completely housed within the radome.
- Heavy-duty one-piece fiberglass radome.
- Inner conductor and all metal parts at DC ground potential.
- Extreme weather survival design.
- Integral cast aluminum base.
- Stainless steel hardware and fastenings.

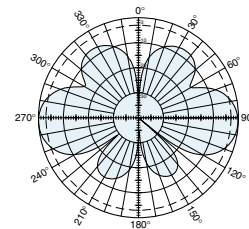
Specifications:

Frequency range	380–406 MHz
Gain	5 dBi
Impedance	50 ohms
VSWR	< 1.5:1
Intermodulation (2x20w)	IM3: < -150 dBc
Polarization	Vertical
Maximum input power	500 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	30 degrees (half power)
Connector	7-16 DIN female
Weight	3.3 lb (1.5 kg)
Height	54.6 inches (1386 mm)
Radome diameter	0.83 inches (21 mm)
Wind load	at 93 mph (150kph) 10 lbf / 43 N
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	59.7 x 4.4 x 3.8 inches (1516 x 112 x 97 mm)
Shipping weight	5.9 lb (2.7 kg)
Mounting	Mounting hardware supplied.
	A. Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast.
	B. Mounting for 0.8 to 2.1 inch (20 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



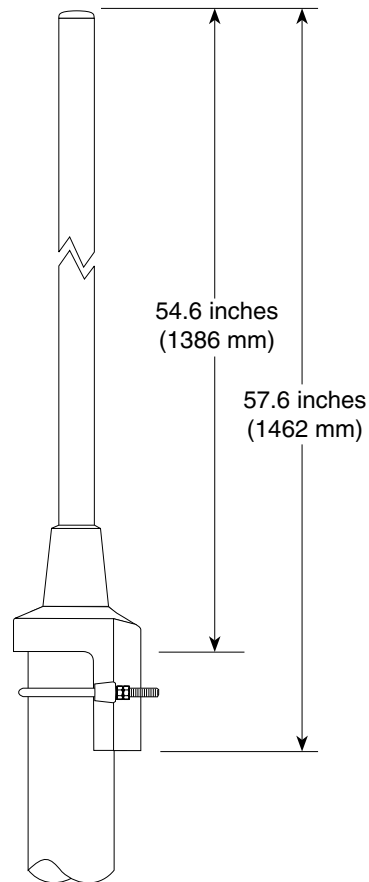
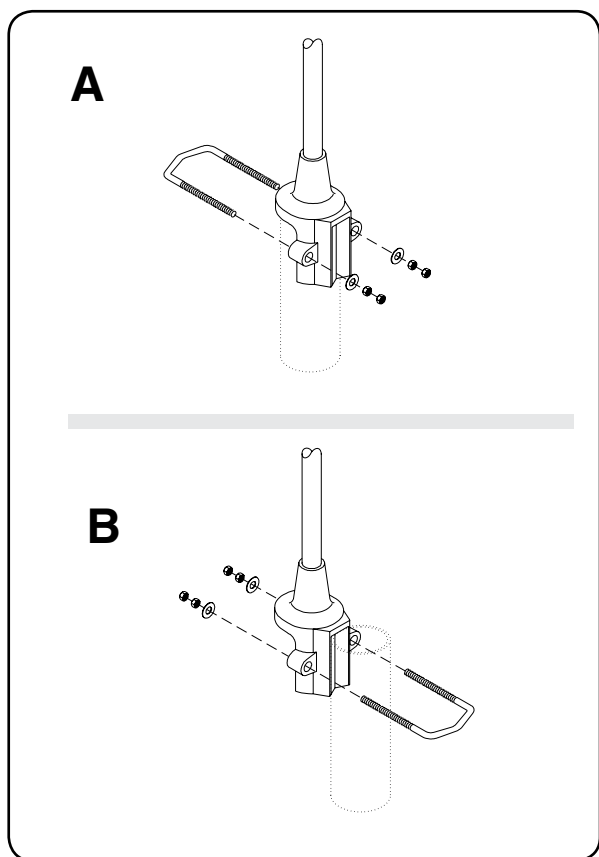
H-plane
Horizontal pattern – V-polarization



E-plane
Vertical pattern – V-polarization



11059-C
936.3141



Mounting Options:

	Description
A	Mounting for 1.6 to 2.1 inch (40 to 54 mm) OD mast
B	Mounting for 0.8 to 2.1 inch (20 to 54 mm) OD mast

Order Information:

Model	Description
800 10448	Antenna with 7-16 DIN female connector

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

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