

## Omnidirectional Antenna 406 to 470 MHz

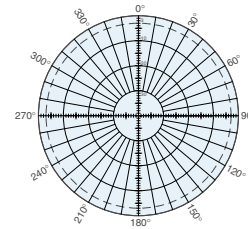
Kathrein's omnidirectional antennas incorporate the quality design and attention to detail that have established our entire line of professional base station antennas as industry leaders. These antennas feature:

- 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.

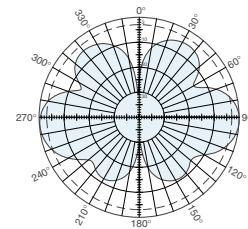
### General Specifications:

Gain	5 dBi
Impedance	50 ohms
VSWR	< 1.5:1
Polarization	Vertical
Maximum input power	55 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	30 degrees (half power)
Connector	N female
Weight	2.6 lb (1.2 kg)
Radome diameter	0.83 inches (21 mm)
Wind survival rating*	120 mph (200 kph)
Shipping weight	5 lb (2.3 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.

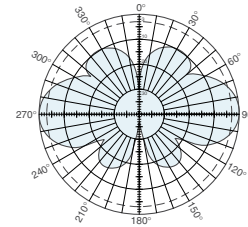
Specifications:	K7515211	K7515221
Frequency range	406–430 MHz	440–470 MHz
Height	50.1 inches (1273 mm)	45 inches (1144 mm)
Wind load	at 93 mph (150kph) 9 lbf / 40 N)	at 93 mph (150kph) 8 lbf / 35 N)
Shipping dimensions	53.1 x 4.3 x 3.9 inches (1350 x 110 x 100 mm)	49.2 x 4.3 x 3.9 inches (1250 x 110 x 100 mm)



H-plane  
Horizontal pattern – V-polarization



K7515211 E-plane  
Vertical pattern – V-polarization



K7515221 E-plane  
Vertical pattern – V-polarization



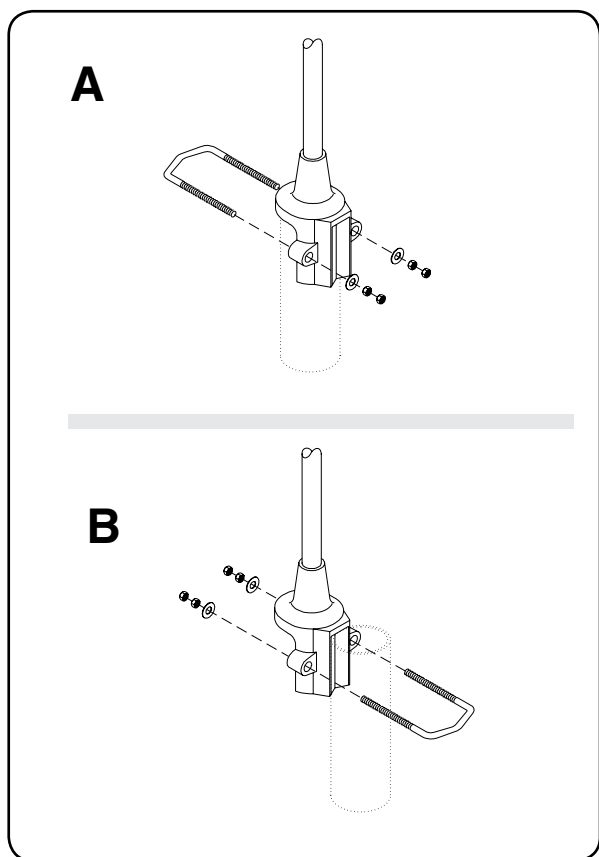
\* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



11065-B  
936.073/a

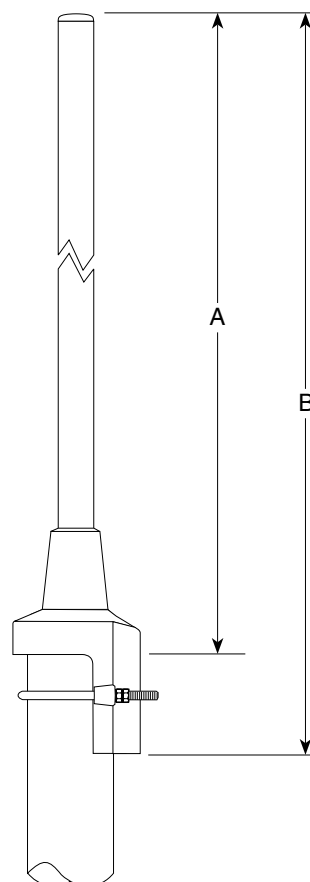


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### Mounting Options:

	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



Dimensions:	K7515211	K7515221
A	50.1 inches (1273 mm)	45 inches (1144 mm)
B	53 inches (1345 mm)	47.9 inches (1216 mm)

### Order Information:

Model	Description
K7515211	406–430 MHz Antenna
K7515221	440–470 MHz Antenna

All specifications are subject to change without notice. The latest specifications are available at [www.kathrein-scala.com](http://www.kathrein-scala.com).