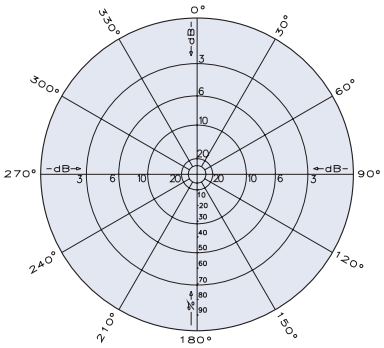
KATHREIN
SCALA DIVISION

Antenna with 7-16 DIN female connector **K751221**

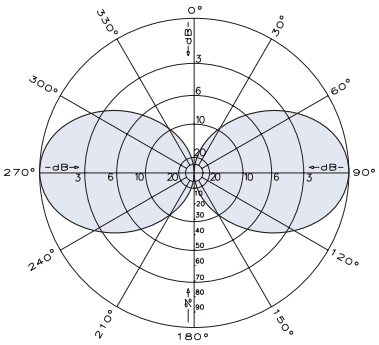
Omnidirectional Antenna 400–470 MHz

The Kathrein K751221 omnidirectional broadband antenna is intended for use in professional fixed-station applications in the 400–470 MHz band. It features:

- 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.
- Designed for extreme weather survival.
- Integral cast aluminum base.
- Stainless steel hardware and fastenings.



H-plane
Horizontal pattern – V-polarization



E-plane
Vertical pattern – V-polarization

Specifications:

Frequency range	400–470 MHz
Gain	3.5 dBi
Impedance	50 ohms
VSWR	<1.4:1
Polarization	Vertical
Maximum input power	80 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	65 degrees (half-power)
Termination	N female
Weight	4.4 lb (2 kg)
Height	24.6 inches (625 mm)
Radome diameter	2 inches (50 mm)
Equivalent flat plate area	0.53 ft² (0.049 m²)
Wind survival rating	120 mph (200 kph)
Shipping dimensions	29.5 x 5.1 x 3.9 inches (750 x 130 x 100 mm)
Shipping weight	5.3 lb (2.4 kg)
Mounting	For masts of 0.8 to 2.1 inches (20 to 54 mm) OD.
See reverse for order information.	

* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) 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.

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