SCALA
A Kathrein Broadcast Brand

GP-FM-R
Vertically Polarized FM Omni
88-108 MHz

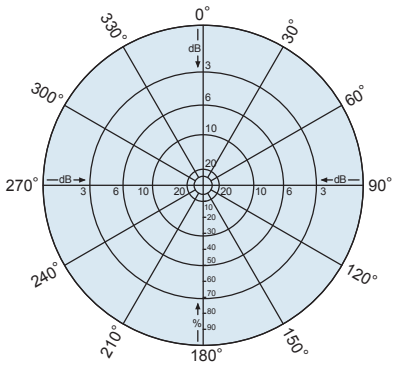
The GP-FM-R is a professional-grade, vertically polarized FM omni antenna designed for reliable broadcast performance with minimal structural and visual impact.

Its lightweight, low-windload design makes it ideal for sites with tower loading, zoning, or aesthetic constraints.

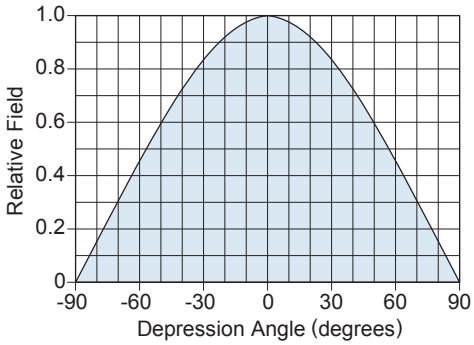
Utilizing a rugged fiberglass radome and built with high-quality materials, the GP-FM/R delivers dependable performance and long-term durability in harsh environments. Its clean, unobtrusive profile makes it well suited for rooftops, water tanks, and other visually sensitive installations.

Specifications	
Frequency range	Any specified FM channel 88 to 108 MHz
RMS Gain	0 dBd
Power gain	1
Impedance	50 ohms
VSWR	<1.3:1 maximum at fc ±2% <1.5:1 maximum at fc ±5%
Polarization	Vertical
Connector	7/8 EIA / 7/16 DINFemale / N Female
Maximum input power	2kW / 2kW / 800 Watts (at 50° C)
Weight	20 lb (9 kg)
Height	88.5 inches (2248 mm)
Wind load at 100 mph (161 kph)	45.3 lbf (201.5 N)
Wind survival rating*	120 mph (193 kph)
Mounting	2.375 -3.5 inch (60- 90 mm) OD.

*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. Contact KBU for further details.



H-plane
Horizontal pattern - V-polarization



E-plane
Vertical pattern - V-polarization

Kathrein Broadcast USA 8337 11th Street, White City, OR 97503
Phone: 541-879-2300 Email: support-usa@kathreinscala.com

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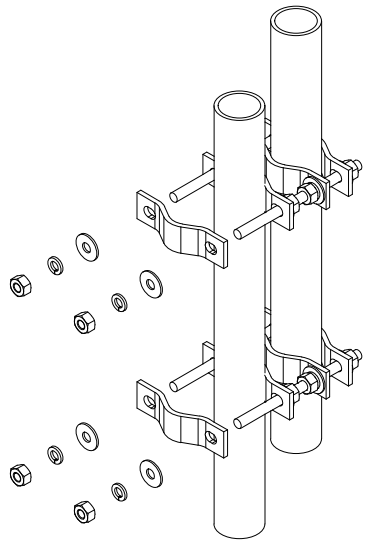
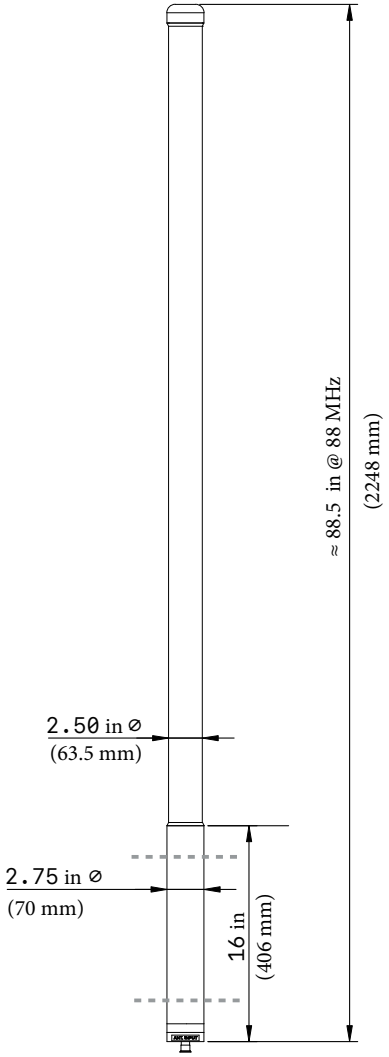


Mounting kit for 2.375 to 3.5 inch (60 to 89 mm) OD pipe/mast supplied with antenna.



Shown w/ type N female connector

Order information

Model	Description
GP-FM-R-N	FM V-pol Radomed Omni, 50Ω N, 800W
GP-FM-R-D	FM V-pol Radomed Omni, 7/16 Din, 2kW
GP-FM-R-E	FM V-pol Radomed Omni, 7/8 EAI, 2kW

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