

**SCALA**PROFESSIONAL ANTENNA SYSTEMS FOR
BROADCAST AND COMMUNICATIONS

The Scala OGB9-900 is a 9 dBd broadband center-fed collinear antenna designed for professional fixed-station applications in the 890-960 MHz band. The careful selection of materials and conservative electrical and mechanical design result in high performance and long service life in all types of adverse environmental conditions.

The OGB9-900 features a heavy aluminum base casting, stainless steel V-bolts and a rugged gray fiberglass radome to protect the precision radiator assembly.

Specifications:

Frequency range	890-960 MHz (broadband)	
Gain	9 dBd	
Impedance	50 ohms	
VSWR	< 1.5:1	
Intermodulation (2x40w)	IM3: -150dBc	IM5: -160dBc
Polarization	Vertical	
Maximum input power	500 watts (at 50°C)	
H-plane beamwidth	Omni	
E-plane beamwidth	6.5 degrees (half-power)	
Termination	N or 7/16 DIN female	
Weight	15 lb (6.8 kg)	
Height	119.25 inches (3029 mm)	
Radome diameter	2 inches (50 mm)	
Wind survival rating	120 mph (200 kph)	
Equivalent flat plate area	1.31 ft ² (0.122 m ²)	
Shipping dimensions	128 x 7 x 7 inches (3251 x 178 x 178 mm)	
Shipping weight	33 lb (15 kg)	
Mounting	For masts of 1.2 to 4.125 inch (30 to 105 mm) OD.	

See reverse for order information.

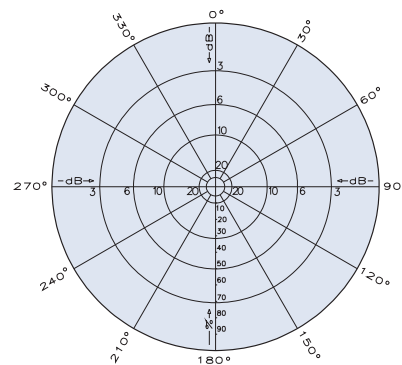
SCALA ELECTRONIC CORPORATION

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Medford, OR 97501 (USA) Fax: (541) 779-3991
<http://www.scala.net>

OGB9-900

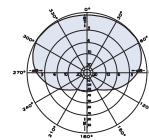
OMNIDIRECTIONAL ANTENNA

9 dBd gain
890-960 MHz (broadband)

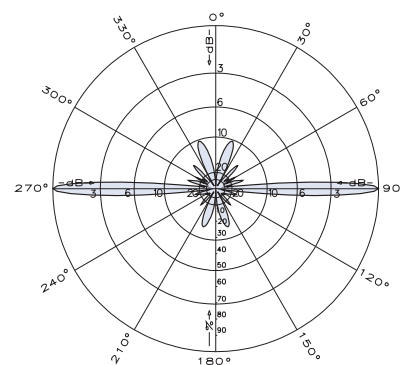


H-plane
Horizontal pattern – V-polarization

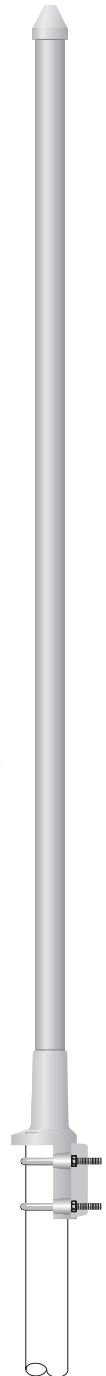
*For offset pattern, use with
RFL-2A Reflector Kit.*



See page D 2.



E-plane
Vertical pattern – V-polarization

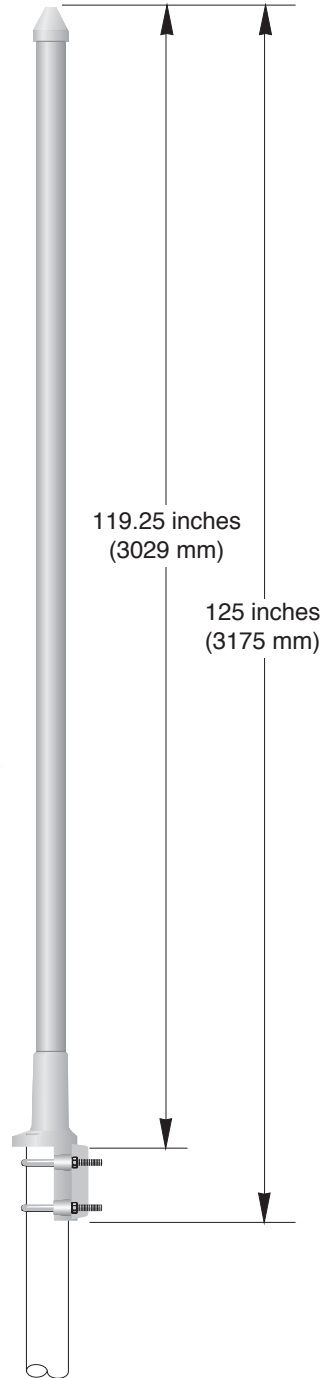
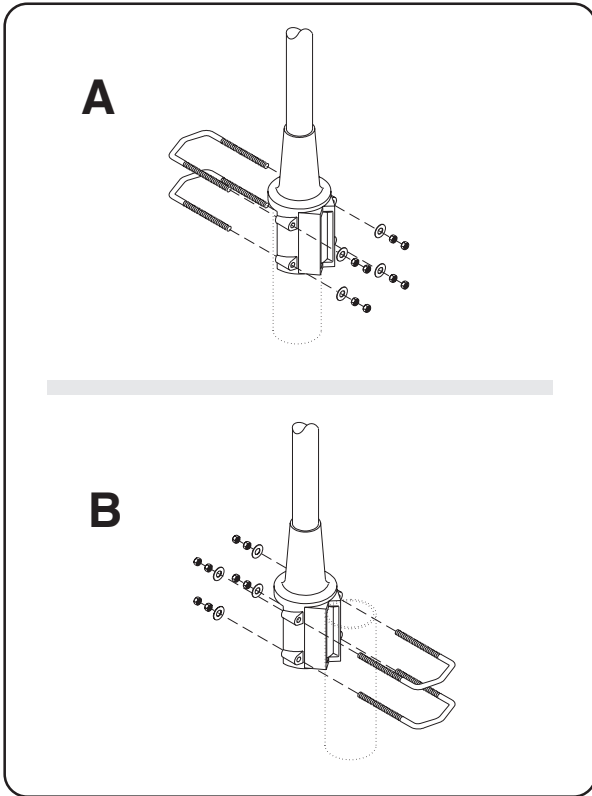


SCALA

OGB9-900

OMNIDIRECTIONAL ANTENNA

9 dBd gain
890–960 MHz (broadband)



Mounting Options:

	Description
A	Mounting for 2.6 to 4.125 inch (65 to 105 mm) OD mast
B	Mounting for 1.2 to 2.5 inch (30 to 64 mm) OD mast

Order Information:

Model	Description	Stock Code
OGB9-900N	Antenna with N termination	65154-001
OGB9-900NU	Antenna with N termination For inverted installation	65154-002
OGB9-900D	Antenna with 7/16 DIN termination	65154-003
OGB9-900DU	Antenna with 7/16 DIN termination For inverted installation	65154-004

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All specifications are subject to change without notice