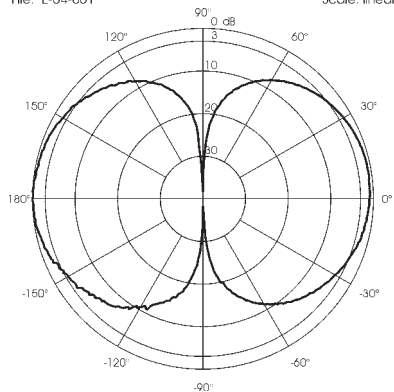


TYPICAL RADIATION PATTERN in E-plane at 145 MHz

File: E-04-001

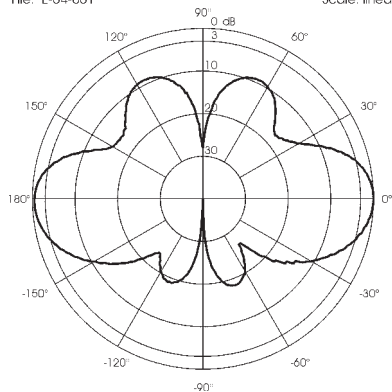
Scale: linear



TYPICAL RADIATION PATTERN in E-plane at 435 MHz

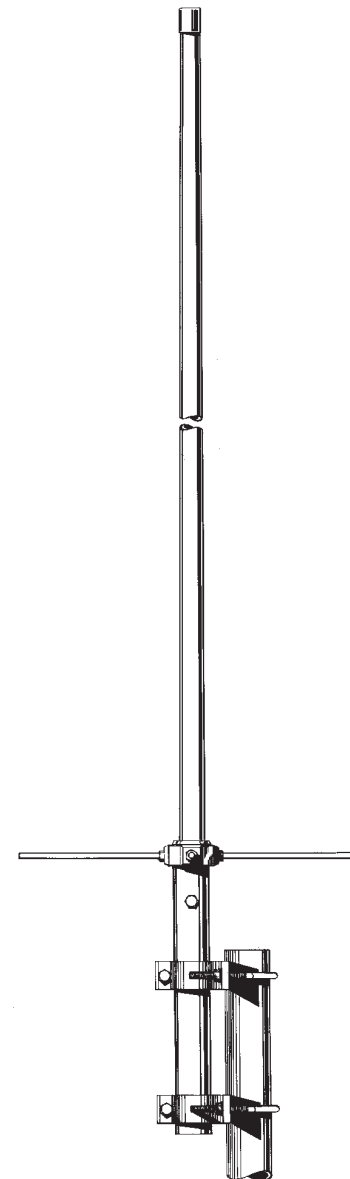
File: E-04-001

Scale: linear



Model SA 270 MN

Fiberglass Hi-Gain Dual Band Antenna



Installation Manual

DESCRIPTION

Ground Plane colinear dual-band antenna for base station service working on the radio-amateur frequency of 2m/70cm. The radial whip is of brass inserted in a conic fiberglass tube for a perfect protection from the worst climates and the radials are of stainless steel to get the maximum strength. They are supplied with a solid aluminium bracket for an easy installation on the support mast.

SPECIFICATIONS

Electrical Data

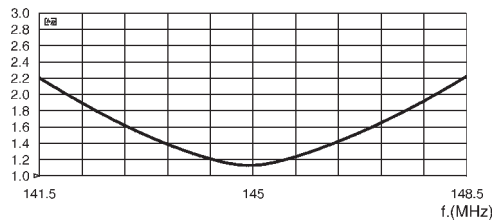
Type	:	VHF $6/8 \lambda$; UHF $3 \times 5/8 \lambda$ Colinear
Frequency Range	:	VHF 142-148 MHz; UHF 430-440 MHz
Impedance	:	50 Ω
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = VHF 61°; UHF 30°
Radiation angle deg.	:	VHF 0°; UHF 0°
Polarization	:	Vertical
Gain	:	VHF 2 dBd - 4.15 dBi; UHF 4.2 dBd - 6.35 dBi
Bandwidth at V.S.W.R. 2:1	:	VHF 6 MHz; UHF 17.2 MHz
V.S.W.R. at res. freq.	:	$\leq 1.2 : 1$
Max Power	:	200 Watts
Feed System / Position	:	Transformer DC-Ground / Base
Connection	:	"N" Female Gold Plated

Mechanical Data

Materials	:	Brass, Fiberglass, Stainless Steel, Aluminium
Wind Resistance	:	180 Km/h
Length (approx.)	:	1780 mm
Weight (approx.)	:	900 gr
Radial Length (approx)	:	170 mm
Mounting Mast	:	\varnothing 35-54 mm

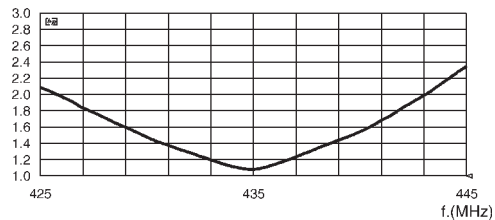
TYPICAL S.W.R. RESPONSE

S.W.R. Model: SA 270 MN File: F-04-001



TYPICAL S.W.R. RESPONSE

S.W.R. Model: SA 270 MN File: F-04-001



MOUNTING INSTRUCTIONS

