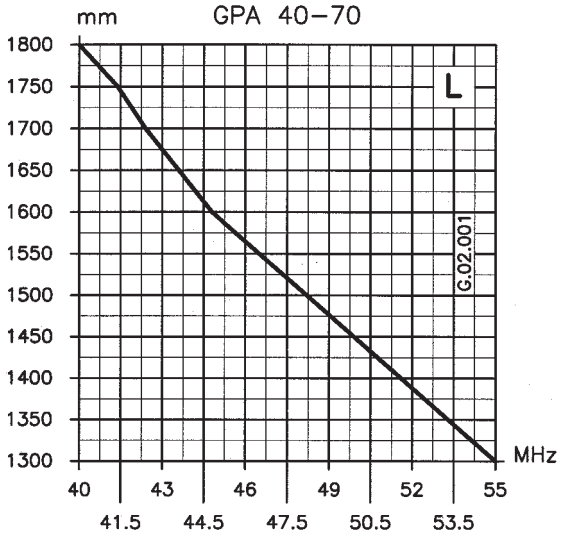
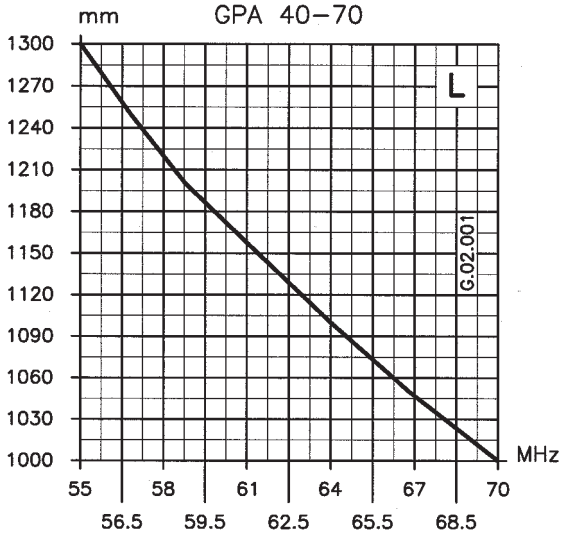
TYPICAL TUNING DIAGRAMS





NOTE:

- *It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.*

Model GPA 40-70

VHF Ground Plane Antenna 40-70 MHz

Installation Manual

DESCRIPTION

1/4 λ Ground Plane antenna for base station service working on 40-70 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

SPECIFICATIONS

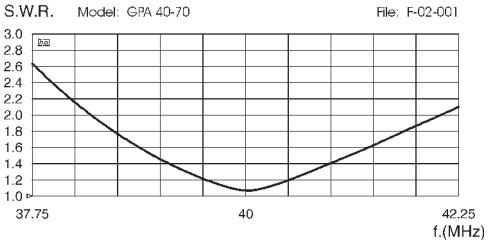
Electrical Data

Type	:	1/4 λ Ground Plane
Frequency Range	:	40-70 MHz tunable by diagram
Impedance	:	50 Ω Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = 86°
Radiation angle deg.	:	0°
Polarization	:	Vertical
Gain	:	0 dBd - 2.15 dBi
Bandwidth at V.S.W.R. 2:1	:	3.5 MHz at 40 MHz
V.S.W.R. at res. freq.	:	≤ 1.2 : 1
Max Power	:	1000 Watts
Feed System / Position	:	Direct / Center
Connection	:	UHF Female

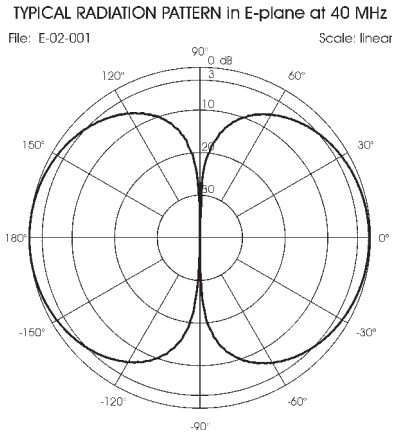
Mechanical Data

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	85 N at 150 Km/h / 150 Km/h
Wind Surface	:	0.07 m²
Height (approx.)	:	3200 mm
Weight (approx.)	:	935 gr
Radial Length (approx)	:	1800 mm
Mounting Mast	:	Ø 35-40 mm

TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN in E-plane at 40 MHz



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MOUNTING INSTRUCTIONS