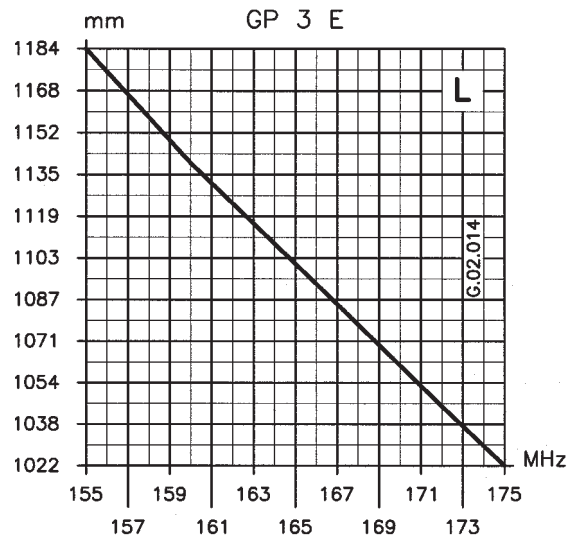
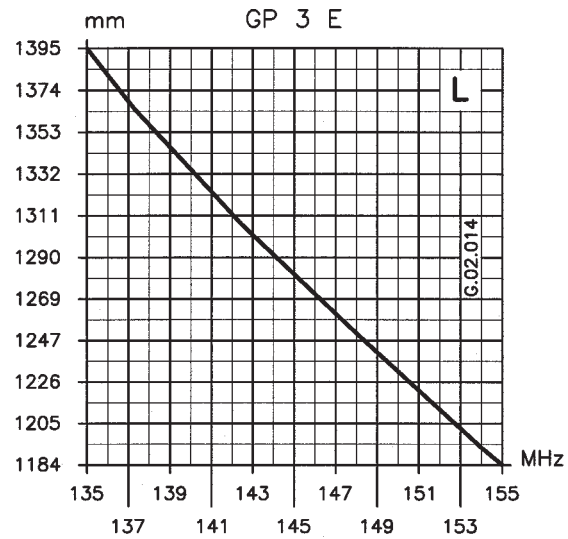


TYPICAL TUNING DIAGRAMS



NOTE:

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

Model GP 3-E
VHF Base Station Antenna 135-175 MHz



Installation Manual

DESCRIPTION

5/8 λ Ground Plane base station antenna for land and marine service. It works on the frequency range of 135-175 MHz by using the tuning diagram enclosed. The matching coil is DC fed for a perfect protection from the static discharges. GP 3-E is made of non-corrosive aluminium and assembled on a very strong base of die-cast metal to get the maximum robustness and the best performance. Tuning is easy by following the attached directions.

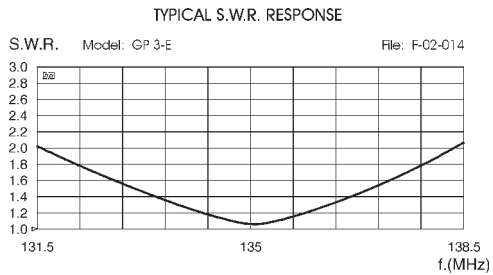
SPECIFICATIONS

Electrical Data

Type	:	5/8 λ Ground Plane
Frequency Range	:	135-175 MHz tunable by diagram
Impedance	:	50 Ω Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = 67°
Radiation angle deg.	:	18°
Polarization	:	Vertical
Gain	:	1.5 dBd - 3.65 dBi
Bandwidth at V.S.W.R. 2:1	:	6.7 MHz at 135 MHz
V.S.W.R. at res. freq.	:	$\leq 1.2 : 1$
Max Power	:	200 Watts
Feed System / Position	:	Transformer DC-Ground / Base
Connection	:	UHF Female

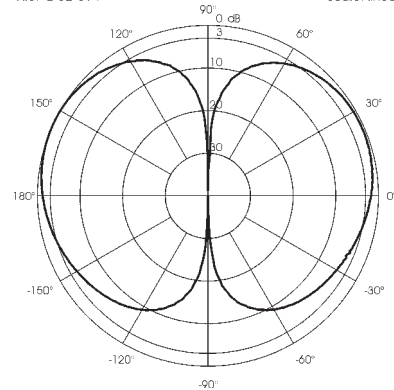
Mechanical Data

Materials	:	Aluminium, Nylon
Wind Load / Resistance	:	28 N at 150 Km/h / 150 Km/h
Wind Surface	:	0.02 m ²
Height (approx.)	:	1480 mm
Weight (approx.)	:	570 gr
Mounting Mast	:	\varnothing 25-30 mm



TYPICAL RADIATION PATTERN in E-plane at 145 MHz

File: E-02-014 Scale: linear



MOUNTING INSTRUCTIONS

