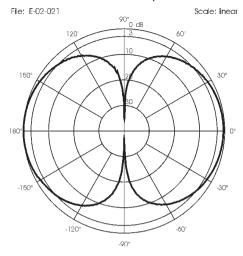
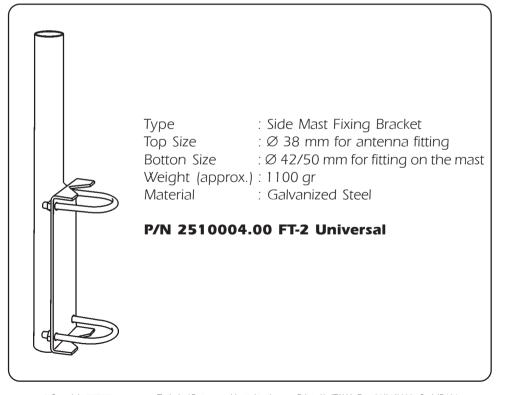
TYPICAL RADIATION PATTERN in E-plane at mid-band



OPTIONAL FT-2 FIXING BRACKET



GP 66-78 LB GP 76-88 LB



Installation Manual

DESCRIPTION

 $1/4~\lambda$ Ground Plane wide-band antenna for base station service. It is made of aluminium and hiquality materials to get the best efficiency and robustness. Its radial whip is earthed to be protected against the static discharges.

SPECIFICATIONS

Electrical Data

Type : $1/4 \lambda$ Folded Ground Plane

Frequency Range

GP 66-78 LB : 66-78 MHz at V.S.W.R.≤ 2:1 GP 76-88 LB : 76-88 MHz at V.S.W.R.≤ 2:1

Radiation angle deg. : 0°

Polarization : Vertical

Gain : 0 dBd - 2.15 dBi

Bandwidth at V.S.W.R. 2:1

GP 66-78 LB : 12 MHz
GP 76-88 LB : 14 MHz
V.S.W.R. at res. freq. : ≤1.2 : 1
Max Power : 1000 Watts

Feed System / Position : Direct DC-Ground / Center

Connector

GP 66-78 / 76-88 LB - U : UHF Female GP 66-79 / 76-88 LB - N : N Female

Mechanical Data

Materials : Anodized Aluminium, Nylon, Stainless Steel

Wind Load / Resistance

GP 66-78 LB : 98 N at 150 Km/h / 130 Km/h GP 76-88 LB : 85 N at 150 Km/h / 160 Km/h

Wind Surface

GP 66-78 LB : 0.09 m² GP 76-88 LB : 0.07 m²

Height (approx.)

GP 66-78 LB : 1640 mm GP 76-88 LB : 1400 mm

Weight (approx.)

GP 66-78 LB : 1930 gr GP 76-88 LB : 1710 gr Mounting Mast : Ø 36-40 mm

ID134

TYPICAL S.W.R. RESPONSE

S.W.R. Model: GP 66-78 LB

3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6

1.4

64.5

TYPICAL S.W.R. RESPONSE S.W.R. Model: GP 76-88 LB File: F-02-022 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.6

f.(MHz)

MOUNTING INSTRUCTIONS

79.5 f.(MHz)

File: F-02-021

