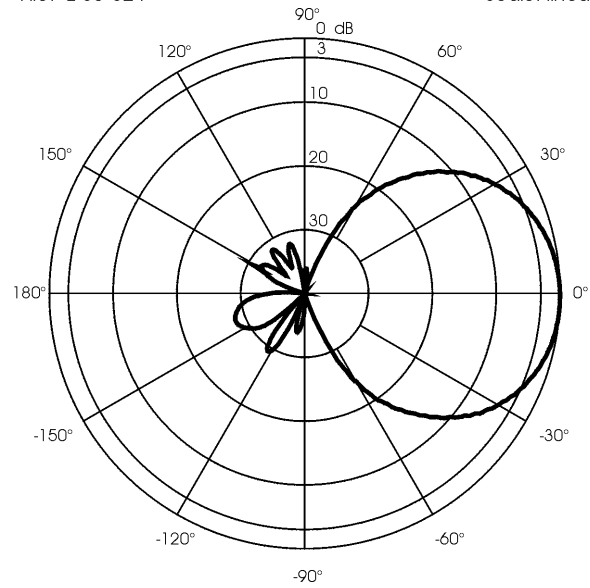


TYPICAL RADIATION PATTERN in E-plane at 1990 MHz

File: E-03-024

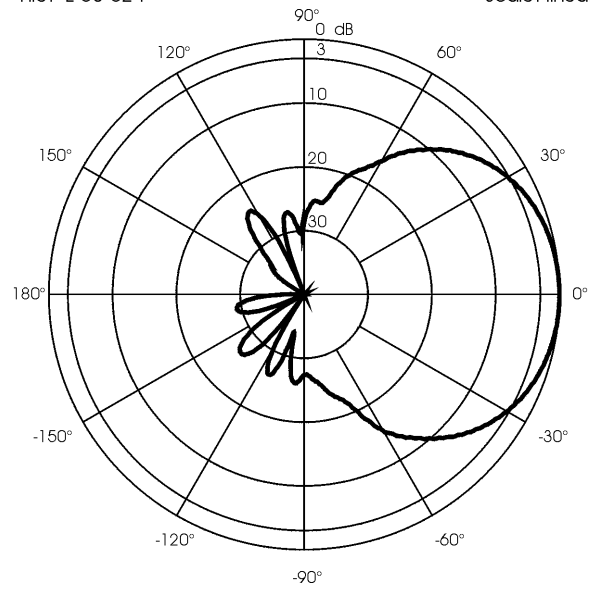
Scale: linear



TYPICAL RADIATION PATTERN in H-plane at 1990 MHz

File: E-03-024

Scale: linear



YAGI-2.4GS

Base Station Multi-Band Antenna (GSM, DCS, DECT, UMTS, WLAN)



Installation Manual

DESCRIPTION

Multi-band base station antenna working on 1.7-2.5 GHz conceived for GSM 1.8 GHz, DCS 1.9GHz, DECT, UMTS and WLAN systems. The radiant element is made of brass to guarantee high power, low losses and a very good protection against corrosion. The aerial is protected by a UV-stabilized radome to get the best performance for long periods of time. It's supplied with an adjustable aluminium bracket that, thanks to its available options, allows to get best installation flexibility.

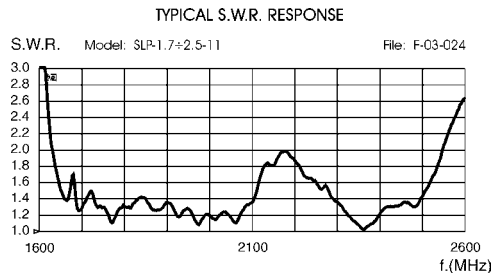
SPECIFICATIONS

Electrical Data

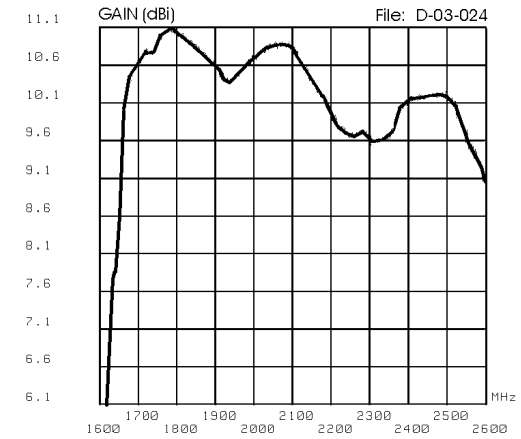
Type	: Log Periodic Dipole Array
Frequency Range	: 1700-2500 MHz
Impedance	: 50 Ω Unbalanced
Polarization	: Linear Vertical
Gain	: 9 dBd, 11.1 dBi
3 dB Beamwidth Vertical	: E-plane 46° Frequency Independent
3 dB Beamwidth Horizontal	: H-plane 58° Frequency Independent
Downtilt	: 0°
Front to back ratio	: \geq 24 dB
V.S.W.R. in Bandwidth	: \leq 2:1
Max Power	: 50 Watts (CW) at 50° C
Feed System / Position	: Direct DC-ground / Vertex
Connector type	: SMA-female

Mechanical Data

Housing Materials	: Aluminium, Brass, Stainless Steel
Radome Material	: White ABS UV Stabilized
Wind Load / Resistance	: 61 N at 150 Km/h / 180 Km/h
Wind Surface	: 0.04 m ²
Dimensions (approx.)	: 345 x 135 x 73 mm
Turnig Radius (approx)	: 310 mm
Weight (approx.)	: 400 gr
Operating Temperature	: -40° C to 80° C
Mounting	: Clamp: \varnothing 25-70 mm Mast: \varnothing 25-42 mm whit U-bolt (optional) Wall: mounting screws (not included)



TYPICAL GAIN DIAGRAM vs FREQUENCY



MOUNTING INSTRUCTIONS

