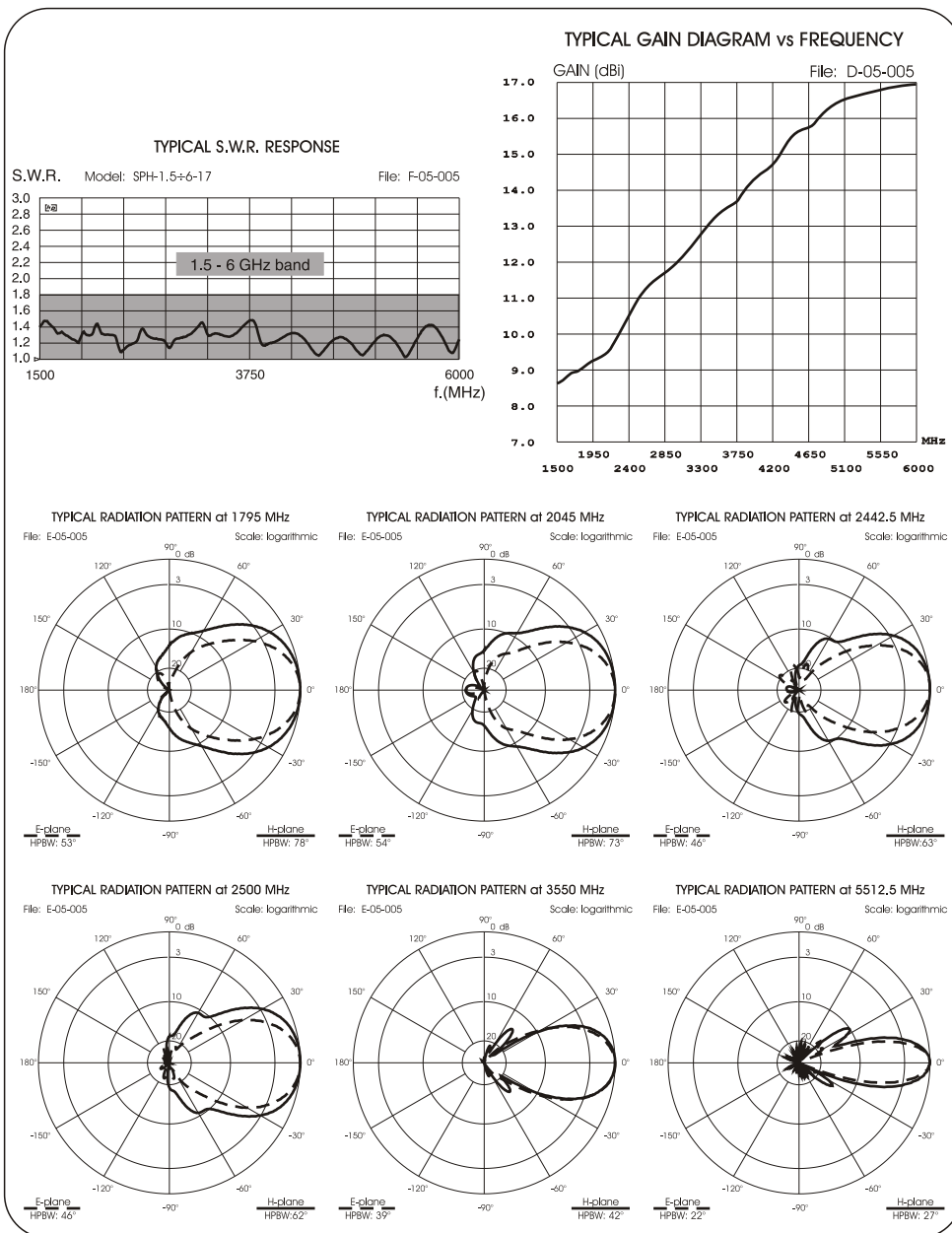




SPH - 1.5 ÷ 6 -17

Wide Band Base Station Antenna
Suitable for all systems between 1.5 and 6GHz



HI-QUALITY ANTENNAS MADE IN ITALY

DESCRIPTION

High-gain and extremely wide band directional base station antenna suitable for all sistem between 1.5 and 6 GHz (i.e.: GSM 1.8 GHz, DCS 1.9GHz, DECT, UMTS, WLAN 2.4GHz , WLAN 5GHz, WiMAX 2.5GHz and WiMAX 3.5GHz systems). The radiant element is made of PTFE PCB to guarantee high power and low losses. The radiator 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 allows the best installation flexibility.

SPECIFICATIONS

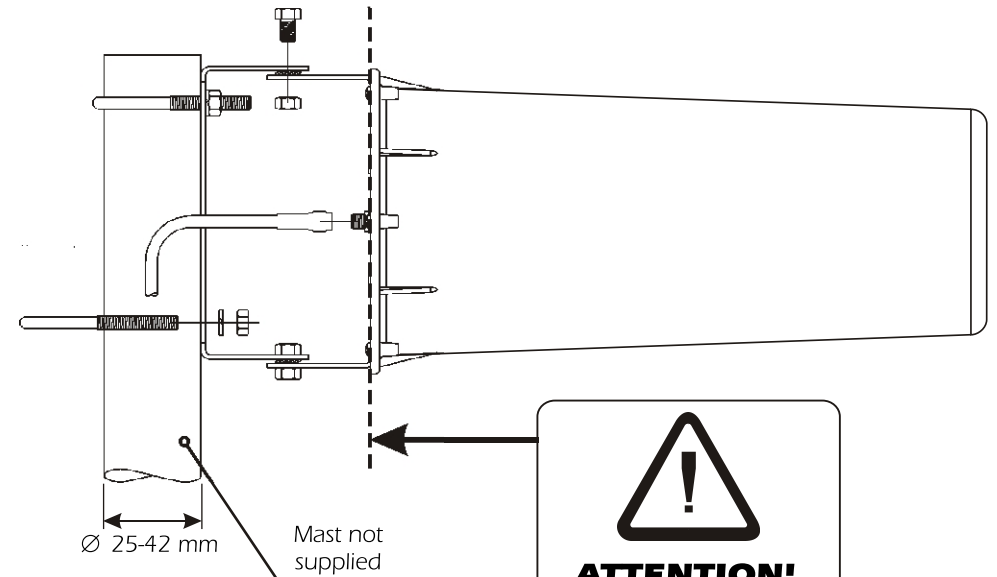
Electrical Data

Type	: Wide Band PCB Antenna
Frequency Range @ SWR ≤1.8:	1.5 - 6 GHz
Impedance	: 50 Ω
Polarization	: Linear Vertical
Max Gain	: 17 dBi (see diagram)
3 dB Beamwidth Vertical	: See diagrams
3 dB Beamwidth Horizontal	: See diagrams
Front to back ratio	: ≥ 20 dB
Radiation angle deg.	: 0°
Max Power @ 30° C	: 15 Watts (CW) from 1.5 to 4GHz : 10 Watts (CW) from 4 to 6 GHz
Grounding Protection	: All metal parts are DC-grounded, the inner conductor is coupled capacitively
Connector type	: SMA-female

Mechanical Data

Housing Materials	: Aluminium, Stainless Steel, white ABS UV stabilized, PCB
Radome Material	: White ABS UV Stabilized
Wind Load / Resistance	: 61N @ 150 Km/h / 180 Km/h
Wind Surface	: 0.04 m ²
Dimensions (approx.)	: 345 x 135 x 73 mm
Turning radius (approx.)	: 310 mm
Weight (approx.)	: 450 gr
Operating Temperature	: -40° C to 80° C
Mounting Mast	: Mast Ø 25-42 mm whit U-bolt Clamp Ø 25-70 mm (optional) Wall mounting screws (not included)

MOUNTING INSTRUCTIONS



ATTENTION!
Leave this face in
VERTICAL position

Fixing Bracket Parts List

Re-order code: SA169

Q.ty	Description
1	38x129x47 mm aluminium bracket
2	M6x10 hexagonal head screws
2	M6 serrated lock washers
2	M6 hexagonal nuts

U-bolts Mounting Parts List

Re-order code: SA008

Q.ty	Description
2	M6x69 mm U-bolts
4	M6 washers
4	M6 spring lock washers
4	M6 hexagonal nuts

Mounting needed tools:

n. 2 10 mm open key

Optional Clamp Mounting

