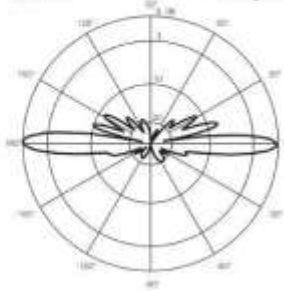
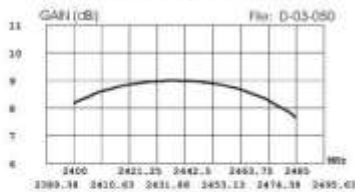


TYPICAL RADIATION PATTERN IN E-PLANE of 2442.5 MHz
File: E-03-010 Scale: logarithmic



TYPICAL GAIN DIAGRAM vs FREQUENCY
File: D-03-050



OMNI W-LAN
SCO - 24 - 9
UHF Base Station Antenna 2400 - 2485 MHz



DESCRIPTION

Base station antenna working on 2.4-2.485 GHz conceived for WLAN systems. The radiating element is made of Teflon® PCB to guarantee high power and low losses and it is protected by a glass fibre tube. It is supplied with an aluminium bracket for an easy installation on the mast.

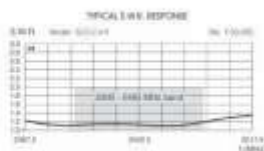
SPECIFICATIONS

Electrical Data

Type	Colinear Dipole Array
Frequency Range	2400-2485 MHz
Impedance	50 Ω Unbalanced
Polarization	Linear Vertical
Gain	9 dBi
3 dB Beamwidth Vertical	Equip. 10° at 2442.5 MHz
Beamwidth Horizontal	H-plane 360° omnidirectional
Down tilt	0°
SWR, in Bandwidth	< 1.5:1
Max Power	20 Watts (CW) at 50° C
Feed System / Position	DC-ground / Base
Connector type	N-female

Mechanical Data

Housing Material	Aluminium, Stainless Steel, Brass
Radome Material	White Fiberglass
Wind Load / Resistance	19 N at 150 km/h / 200 km/h
Wind Surface	0.0154 m²
Height (approx.)	830 mm
Weight (approx.)	475 gr
Operating Temperature	-40° C to 80° C
Mounting Mast	Ø 35-56 mm



MOUNTING INSTRUCTIONS

