

SCO - 2.4 - 6 MARINER

UHF Marine Antenna 2300-2500 MHz

Installation Manual

DESCRIPTION

Marine antenna working on 2.3-2.5 GHz conceived for WLAN system. The radiant element is made of PTFE PCB to guarantee high power and low losses and it is protected by a glassfibre tube. SCO-2.4-6 MARINER is supplied with RG 58 cable directly connected and SMA-male (other type on request). The optional fixing mounts are the following: "M-3" adjustable mount of chromium plated brass, "M-8" adjustable mount of white nylon and "M-10" adjustable mount of chromed plated brass.

SPECIFICATIONS

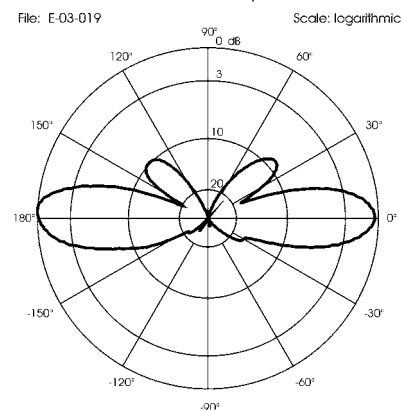
Electrical Data

Type	: Colinear Dipole Array
Frequency Range	: 2300-2500 MHz for W-LAN system
Impedance	: 50 Ω
Polarization	: Linear Vertical
Gain	: 6 dBi
3 dB Beamwidth Vertical	: 22° @ 2442.5 MHz
Beamwidth Horizontal	: 360° Omnidirectional
Radiation angle deg.	: 0°
SWR in Bandwidth	: ≤ 1.5
Max Power	: 20 Watts (CW) @ 50° C
Grounding Protection	: All metal parts are DC-grounded, the inner conductor shows a DC-short
Cable Length / Type	: 5.5 m / white RG 58 C/U, other on request
Connector Type	: SMA-male, other type on request

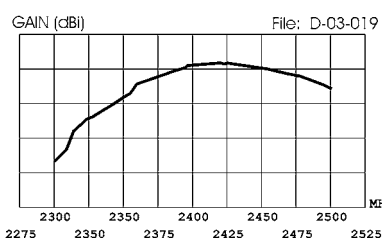
Mechanical Data

Housing Materials	: Aluminium, Stainless Steel, Chromed Brass
Radome Material	: White fiberglass
Height (approx.)	: 340 mm (without fixing base)
Weight (approx.)	: 470 gr
Operating Temperature	: -40° C to 80° C

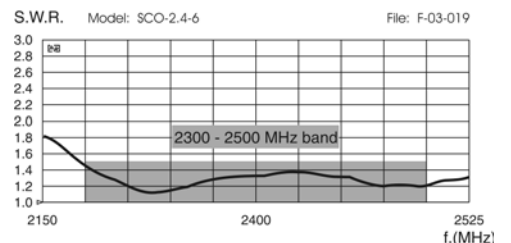
TYPICAL RADIATION PATTERN in E-plane at 2442.5 MHz



TYPICAL GAIN DIAGRAM vs FREQUENCY

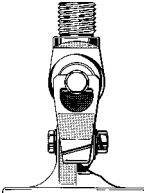
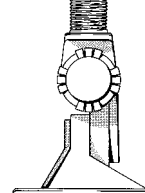
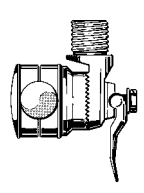


TYPICAL S.W.R. RESPONSE



M-8 NY Optional

OPTIONAL MOUNTING BASES

 <p>M-3 OT Marine Mount</p> <p>Adjustable marine mount of chromed brass with standard connection 1"x14 threads. It's supplied with rubber washer and stainless steel screws.</p>	 <p>M-8 NY Marine Mount</p> <p>Adjustable marine mount of white nylon, supplied with standard connection 1"x14 threads, rubber washer and stainless steel screws.</p>	 <p>M-10 OT Marine Mount</p> <p>Adjustable marine mount made of chromium plated brass and supplied with standard connection 1"x14 threads. Stainless steel screws, fixing diameter 1".</p>
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