

CELL 918 MARINER

Dual-Band Marine Antenna GSM, PCN, DECT, UMTS

DESCRIPTION

Dual-band marine antenna conceived for CELLULAR systems working on GSM 900 & 1800 MHz, DCS 1.9, DECT and UMTS. All metallic components are made of chromium plated brass and stainless steel to improve its strength. It's inserted in a fiberglass tube for a perfect protection against the worst sea climates. It can be supplied with the following fixing mounts: "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

TECHNICAL DATA

Electrical Data

Type	: 1/2 λ Dipole
Frequency Range @ SWR $\leq$ 2.0	: 880-960 MHz (GSM 900) & : 1.71-2.17 GHz (GSM 1.8, PCN, DECT, UMTS)
Impedance	: 50 Ω
Radiation (H-plane)	: 360° Omnidirectional
Radiation (E-plane)	: Beamwidth @ -3 dB = 50° both band
Radiation angle deg.	: 0°
Polarization	: Linear Vertical
Gain	: 0 dBd - 2.15 dBi
Max Power (CW) @ 30°C	: 20 Watts
Standard Mount	: "M8-NY"
Cable Length / Type	: 5 m / white RG 58 C/U
Connector	: SMA-male

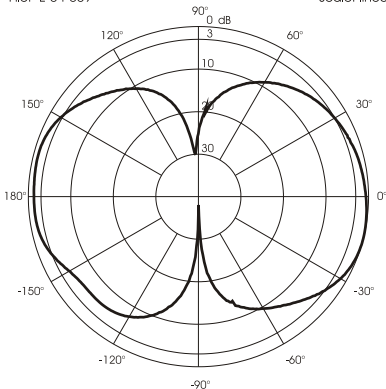
Mechanical Data

Materials	: Chromed Brass, PCB, White fiberglass radome
Height (approx.)	: 420 mm
Weight (approx.)	: 470 gr
Operating temperature	: -20 °C to +80 °C

TYPICAL RADIATION PATTERN in E-plane at 880 MHz

File: E-04-009

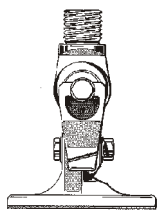
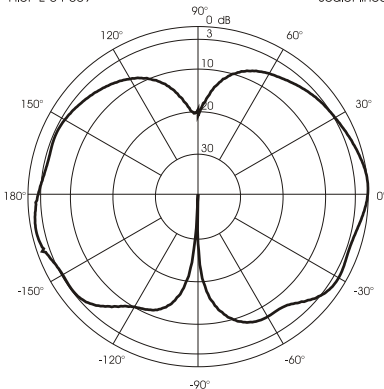
Scale: linear



TYPICAL RADIATION PATTERN in E-plane at 1710 MHz

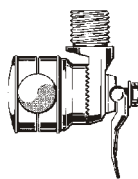
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Scale: linear



STANDARD MOUNT: M-3 OT Marine Mount

Adjustable marine mount of chromed brass with standard connection 1"x14 threads. It's supplied with rubber washer and stainless steel screws.



OPTIONAL MOUNT M-10 OT Marine Mount

Adjustable marine mount made of chromium plated brass and supplied with standard connection 1"x14 threads. Stainless steel screws, fixing diameter 1".



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