



MOONRAKER CEL800 - CEL900

**For improved analogue, CDMA or digital cellular
marine mobile and land based telephone communications**

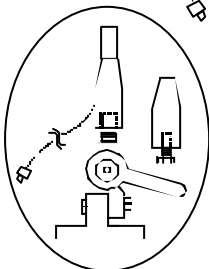
CEL800 and CEL 900 are high gain, high strength vertically polarised collinear array antennas, designed for use in the marine mobile and fixed land environments.

These systems are ideal for fringe area operation being suitable for both inshore marine and land communications including remote building sites, and temporary bases. The efficiency of both reception and transmission is improved throughout the mobile network, especially when operating in fringe areas where signal power is significantly reduced and fading of signal strength causes communication difficulties. Signals are transmitted at the required field intensity using less power, thus significantly reducing drain on the mobile battery. In analogue and CDMA systems range can also be increased due to high gain characteristics.

Antennas are fully marinised, with a fibreglass radome providing high strength protection for the radiating element. This together with a stainless steel mounting tube ensures a high degree of strength and long operational life. It can be supplied for side or base mounting or with a strong, multi-angled nylon swing down mount. Five meters of low loss UHF co-axial cable is supplied to connect to the mobile telephone.

SPECIFICATIONS

Overall Length	1.6 metres (5.3ft)
Pattern	Omni-directional
Polarisation	Vertical
Frequency Range	AMPS, GSM and CDMA Cellular Mobile Telephone Bands 820-890 MHz type CEL800 890-960 MHz type CEL900
VSWR	Better than 1.7:1 entire band
Gain	+5 dBi
Impedance	50 Ohms (nominal)
Power Capability	50 watts maximum
Termination	FME female crimp connector -other connectors to order
Connection	5m (16.4 ft) of RG58 extra low loss coaxial cable
Mountings	Fitted with: Standard Base Adaptor, internally threaded 25.4mm (1") with Nylon Swing Down Mount; or 12mm Bolt Base Adaptor for fixed base mounting or may be side mounted using heavy duty clamps.
Weight	1.2kg (2.64 lbs)
Packed Weight	1.8 Kg (4 lbs)



Specifications subject to change 4/01

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