

Section 6

**MARINE
ANTENNAS**

Updated 18 February 2011

**AN1600 and DG1600 MAX-GAIN
NEXT G or GSM Cellular Mobile Phone
Deck Mount**

Frequency
825 – 960 MHz

Bandwidth
NEXT G or GSM



With 8.1 dBi gain, these marine deck mount models offer the maximum gain and reception range practical in a broadband cellular mobile phone antenna.

The single piece white fibreglass radome stands 2.2 metres tall, identical to other models in the marine range. These antenna are matched internally by a unique transforming printed circuit board.

- **AN1600** is factory tuned to cover the NEXT G network.
- **DG1600** is for the GSM network.

5 metres of RG58 low loss cable side exits from the chromed brass ferrule. An FME Female crimp connector is fitted to the cable.

All components used are of the highest quality to ensure long term survival in the harsh marine environment. These antennas will deliver reliable performance for many years.

The **MM1** folding deck mount supplied as standard is constructed from toughened plastic. This base folds down in two directions and also swivels in the opposite plane by loosening the stainless steel pivot bolt. This versatility allows the antenna to be mounted in a variety of positions on any flat surface and at any angle using four screws or bolts.

For those who prefer the ultimate in quality, durability and strength, the **MM2** folding deck mount is constructed entirely from stainless steel. To order either antenna with the stainless steel **MM2** deck mount, simply add the letters 'SS' to the Order Code.

Feeder cable, connectors, cable ties and tape are available separately to complete the installation.



SPECIFICATIONS	AN1600, AN1600SS	DG1600, DG1600SS
Construction	Single piece white fibreglass tapered radome, transforming printed circuit board, chromed brass ferrule	
Cellular Mobile Phone Network Coverage	NEXT G 825 – 890 MHz	GSM 890 – 960 MHz
Tuning	Factory	Factory
VSWR	Better than 1.5:1	Better than 1.5:1
Gain	8.1 dBi	8.1 dBi
Max Input Power	30 Watts	30 Watts
Impedance	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical
H-Plane	13°	13°
H-Plane	360° Omnidirectional	360° Omnidirectional
Cable	5 metres of RG58 low loss cable side exits from the ferrule	
Connector	FME Female crimp connector fitted to the cable	
Height (inc mount)	2.2 metres	2.2 metres
Weight (inc mount)	1 kg, 1.75 kg	1 kg, 1.75 kg
Folding Deck Mount Base Supplied	MM1 with AN1600 MM2 with AN1600SS	MM1 with DG1600 MM2 with DG1600SS



The **MM1** folding deck mount supplied as standard is constructed from toughened plastic.



For those who prefer the ultimate in quality, durability and strength, the **MM2** folding deck mount is constructed entirely from stainless steel.



An FME Female crimp connector is fitted to the 5 metre RG58 low loss cable.