

Section 7

DATA LINK ANTENNAS

Updated 21 February 2011

MADB Multiband NEXT G and GSM Cellular Mobile Phone Antenna with Folding Base

Frequency
825 – 960 MHz

Bandwidth
NEXT G and GSM combined



The MADB cellular mobile phone antenna with folding base provides multiband coverage of both NEXT G and GSM networks combined with an effective 6.2 dBi gain. The antenna can also be most useful for data link applications in the 825 to 960 MHz band.

Standing 90 cm tall, the MM1 folding base 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 makes the MADB model a perfect choice for mounting to boats, caravans, a trailer, outside on the fascia board of a building or any flat surface at any angle desired using four screws or bolts. The antenna can be folded down flat while not in use.

5 metres of RG58 low loss stranded cable side exits from the mount ferrule. The FME female connector fitted to the cable is rated for up to 30 watts input power.

The fibreglass radome is available in 3 colours; White, Black or Brown. Specify your preference when ordering.

This MADB antenna is identical in appearance to the MA477 model for 477 MHz UHF CB radio and MA1100 for AM/FM radio receive.

For those who prefer the ultimate in quality, durability and strength, the antenna is also available with the MM2 folding base which is constructed entirely from stainless steel. The order code is MADBSS.

SPECIFICATIONS	MADB	MADBSS
Folding Base Supplied	MM1 toughened plastic	MM2 stainless steel
Radome Colour	Specify either a White, Black or Brown radome colour when ordering	
Construction	Fibreglass radome, copper radiating elements, aluminium ferrule, delrin adaptor for base	
Cellular Mobile Phone Network Coverage	NEXT G and GSM combined 825 – 960 MHz Full Band	
Tuning	Factory	Factory
VSWR	Less than 1.6:1 across the full band	
Gain	6.2 dBi	6.2 dBi
Max Input Power	30 Watts	30 Watts
Impedance	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical
H-Plane	360° Omnidirectional	360° Omnidirectional
Cable	5 metres of RG58 low loss stranded cable side exits from the aluminium ferrule	
Connector	An FME female connector is fitted to the cable	
Height (inc mount)	90 cm	90 cm
Weight (inc mount)	0.8 kg	1.55 kg
Mounting	Secure the folding base to any flat surface at any angle using 4 screws or bolts	



The MM1 folding base supplied as standard is constructed from toughened plastic.

An FME female connector is fitted to the cable.

For those who prefer the ultimate in quality, durability and strength, the MM2 folding base is constructed entirely from stainless steel. This MM2 base is supplied with the MADBSS model.