

Section 1

BASE STATION ANTENNAS

Updated 14 February 2011

Monocones

Frequency
70 – 520 MHz

Bandwidth
See table



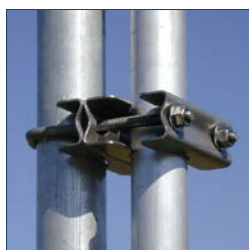
Monocone base station antennas offer genuine broadband coverage and an omnidirectional radiation pattern. With integral ground plane, monocones also provide a low angle of radiation comparable with centre fed dipoles.

The radomes are a high quality UV resistant ABS with stainless steel radials for enhanced service life.

- **B54** can be factory tuned to cover three different 7 MHz segments in the range 70 to 84 MHz. See the table below. For a 7 MHz bandwidth other than those listed, you are welcome to enquire.
- **B56** covers the full VHF frequency range 148 to 174 MHz.
- **B57** can be manufactured for any nominated 40 MHz segment within the UHF range 400 to 520 MHz.

Mounting clamps, coaxial feeder cable, connectors and other accessories are available to complete the installation.

SPECIFICATIONS	B54	B56	B57
Construction	UV resistant ABS radome, stainless steel radials and aluminium mount tube		
Frequency Range	70 to 77 MHz, or 74 to 81 MHz, or 77 to 84 MHz	VHF 148 to 174 MHz	UHF 400 to 520 MHz
Bandwidth	7 MHz	Full Band	Specify any 20 MHz
Return Loss, VSWR	Better than -15 dB, less than 1.5:1 across the range indicated		
Tuning	Factory	Factory	Factory
Gain	0 dBd	0 dBd	0 dBd
Maximum Power	100 Watts	100 Watts	100 Watts
Impedance (Nom.)	50 Ohms	50 Ohms	50 Ohms
DC Grounding	Yes	Yes	Yes
Polarisation	Vertical	Vertical	Vertical
Cable Tail	1 metre RG213	None	None
Connector	N-Female fitted	N-Female located at base of mount tube	
Height	1.5 metres	1.3 metres	65 cm
Weight	5 kg	5 kg	5 kg
Projected Area	0.184 m ²	0.112 m ²	0.020 m ²
Mounting Clamps recommended	2 x EB1SS	2 x EB1SS	2 x EB1SS



EB1SS clamps have all stainless steel components and are recommended to mount these Monocone antennas parallel to a round mast between 20 mm and 50 mm in diameter.

Two clamps will be required.