

Product Data Sheet

Light Duty Base Station

C/Note	Doc Issue	Date	Approval
01019	3	12.11.15	J.J.

PANORAMA  ANTENNAS

TETRA UHF

Light Duty Base Station



B5S-395-03NJ

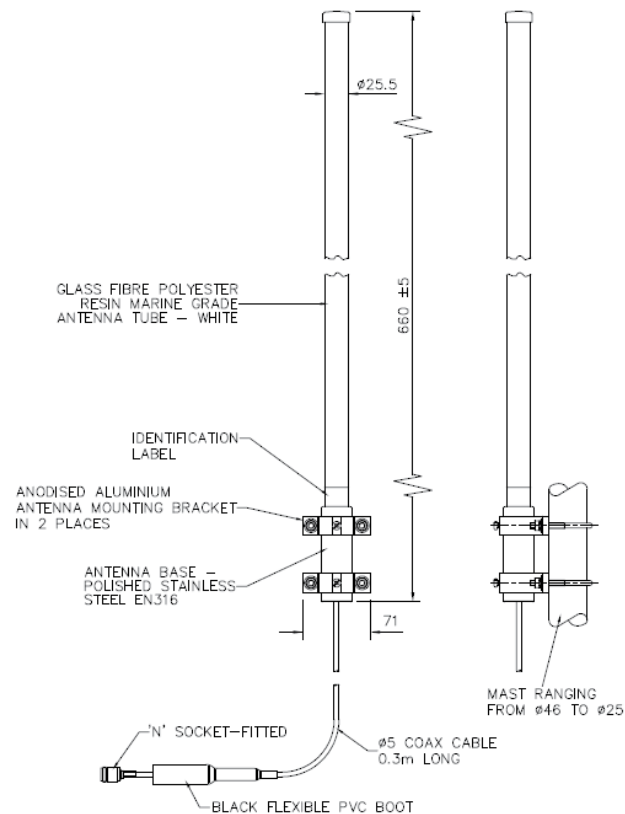
- High Gain
- Omni-directional Coverage
- Light Weight

The B5S range is a range of lightweight ground plane independent antennas ideal for network infill, light duty basestation and fixed radio terminal applications.

These antennas offer 5dBi peak gain and are constructed from robust marine grade materials in order to maximise the reliability and service life of the product.

The antenna is supplied with anodized aluminium bracketry for mast mounting and can be mounted to masts between 25-46mm (1-1.8") diameter.

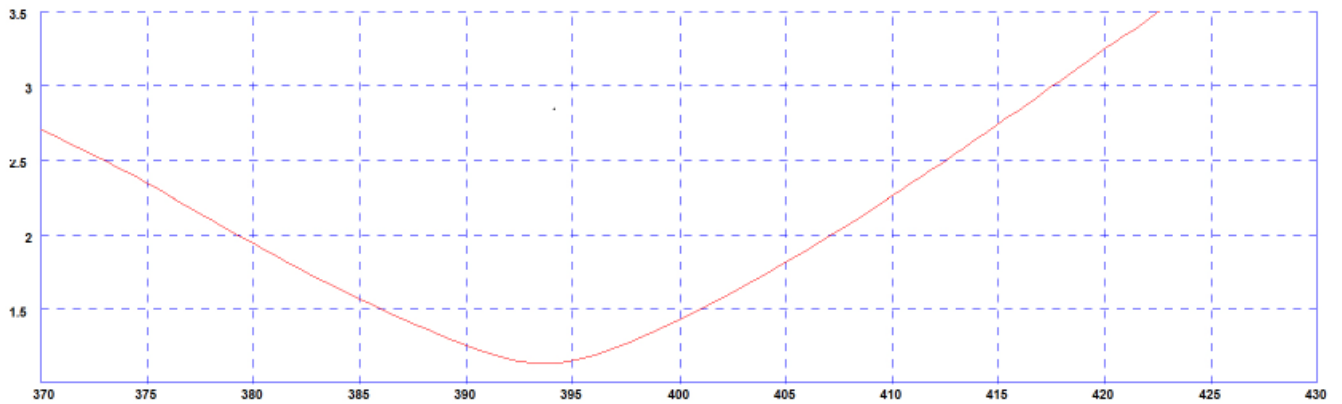
Technical Drawing



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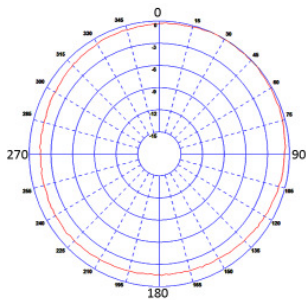
Light Duty Base Station

Typical VSWR*

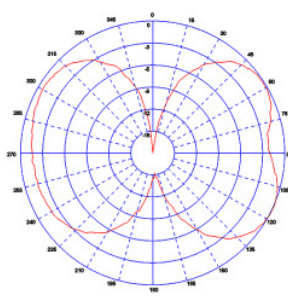


* VSWR measured with 0.3m (1') of CS23 (RG58 c/u) cable in free space.

Typical H-Plane (390MHz)



Typical E-Plane (390MHz)



Part No.

B5S-395-03NJ

Electrical Data

Frequency Range (MHz)	380-410
Operational Band	S1+
Peak Gain: Isotropic	5dBi
Compared to 1/4 wave	3dB
Typical VSWR*	< 2.5:1
Polarisation	Vertical
Pattern	Omni-directional
Impedance	50Ω
Max Input Power (W)	50

Mechanical Data

Dimensions (mm)	Length	660 (25.6")
	Diameter	30 (1.18")
Operating Temp (°C)	-40° / +80°C (-40° / +176°F)	
Antenna Material	Fibre glass & stainless steel	
Bracket Material	Anodised Aluminium	
Colour	White	
Max/ Min Mast Diameter (mm)	25-46 (1-1.8")	

Cable Data

Type	CS23 (RG58 c/u)
Diameter(mm)	5 (0.2")
Length (m)	0.3 (1')
Termination	N socket

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Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice.

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