

Product Data Sheet

$\frac{5}{8}$ Wave UHF Antenna

Doc Issue	Date	Approval
4	17/03/16	J.J.

5/8 Wave UHF Antenna

- TETRA UHF
- Public Safety
- Omni Directional
- ROHS Compliant
- Vehicle Mount
- High Gain



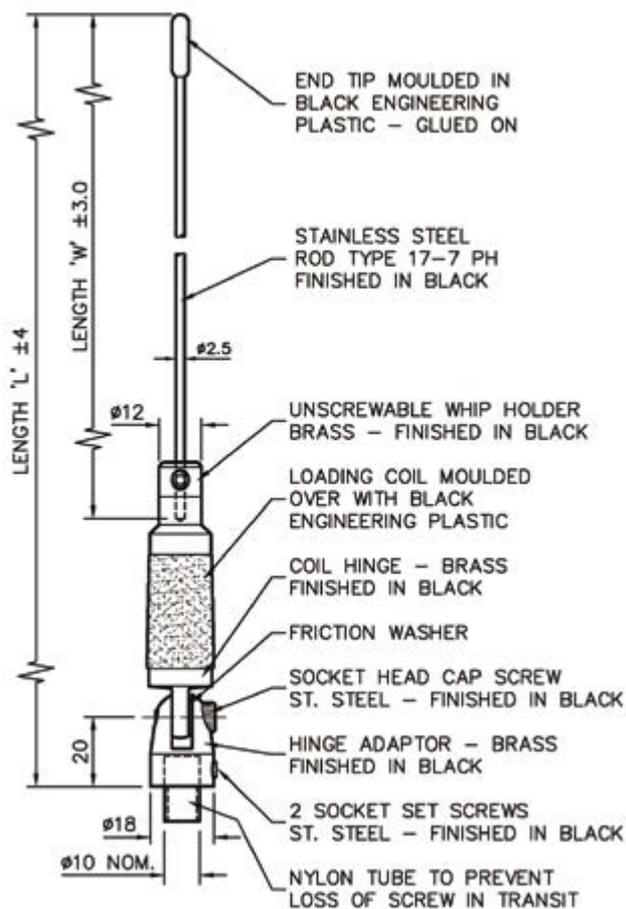
AUGHB

- 3.5dBi gain
- Rugged construction
- Hinged base and removable whip

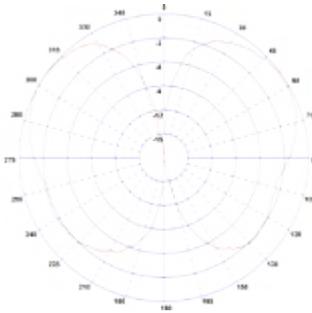
The AUGHB range is a durable solution for vehicle installations requiring a medium gain UHF antenna. The antenna has a fully encapsulated impedance matching coil and a 17-7PH stainless steel whip.

The antenna is compatible with the full range of Panorama Antennas modular bases and incorporates a hinge to enable vertical orientation.

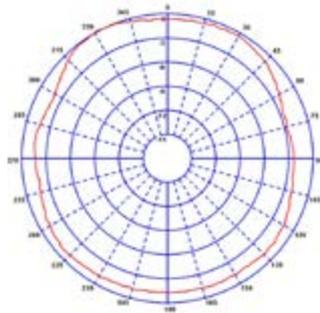
Technical Drawing



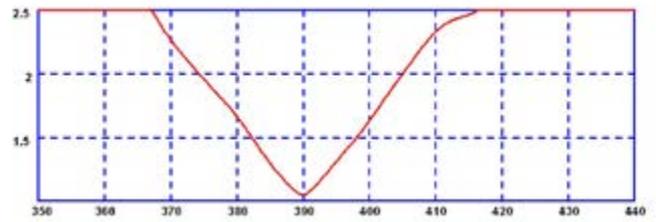
Typical E-Plane (390MHz)



Typical H-Plane (390MHz)



Typical VSWR*



*measured with AUGHB-S1 mounted on a 600x600mm (19.7' x 19.7') groundplane with 5m of CS23 cable.

Part No.	AUGHB-S1	AUGHB-S2	AUGHB-TET	AUGHB-U	AUGHB-460
Electrical Data					
Frequency Range (MHz)	380-400	410-430	380-430	430-472	450-470
Operational Band	S1	S2	TET	U	S4
Peak Gain: Isotropic	3.5dBi	3.5dBi	3.5dBi	3.5dBi	3.5dBi
Compared to ¼ wave	1.5dB	1.5dB	1.5dB	1.5dB	1.5dB
VSWR	<2:1	<2:1	<3:1	<2.5:1	<2:1
Polarisation	Vertical	Vertical	Vertical	Vertical	Vertical
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni Directional
Impedance	50Ω	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)	50	50	50	50	50
Mechanical Data					
Total Height (mm)	503 (19.8")	456 (17.9")	485 (19")	416 (16.3")	398 (15.6")
Operating Temp (°C)	-40°/+80°C (-40°/176°F)	-40°/+80°C (-40°/176°F)	-40°/+80°C (-40°/176°F)	-40°/+80°C (-40°/176°F)	-40°/+80°C (-40°/176°F)
Material (coil)	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
Material (whip)	17-7 Stainless steel				
Colour	Black	Black	Black	Black	Black

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