

High Gain Antenna With Phasing Coil

ACUHB-[VAR]

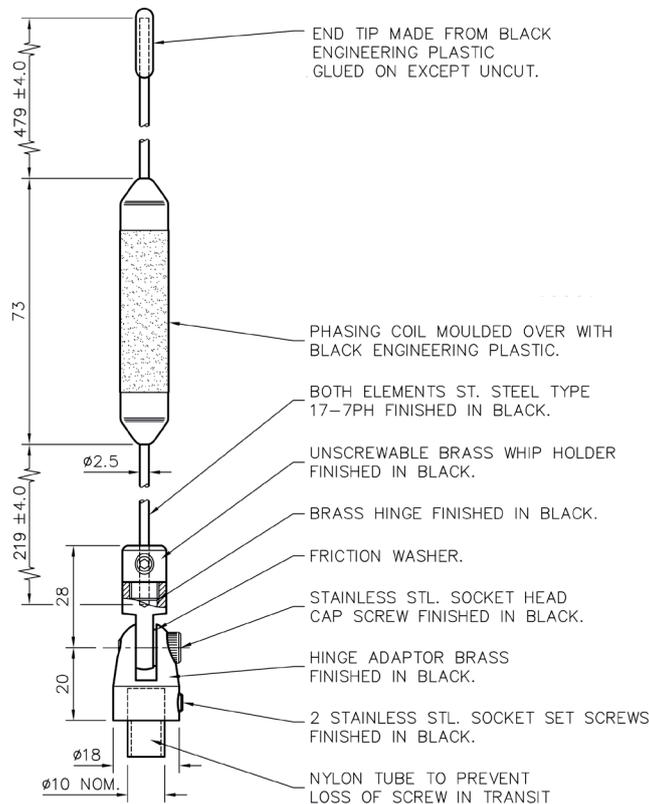


- Rugged construction
- 7dBi peak gain
- Hinged adaptor for mounting on a non-horizontal ground plane

The ACUHB offers high gain and a rugged design to create an efficient and durable product. The hinge adaptor ensures that the antenna can always be correctly polarised even when installed on non horizontal ground planes and protects the antenna from damage in low clearance situations.

7dBi peak gain will offer a significant boost to performance in remote or edge of cell locations but due to narrow bandwidth lower gain antennas will be more suitable for urban or suburban locations.

Technical Drawing

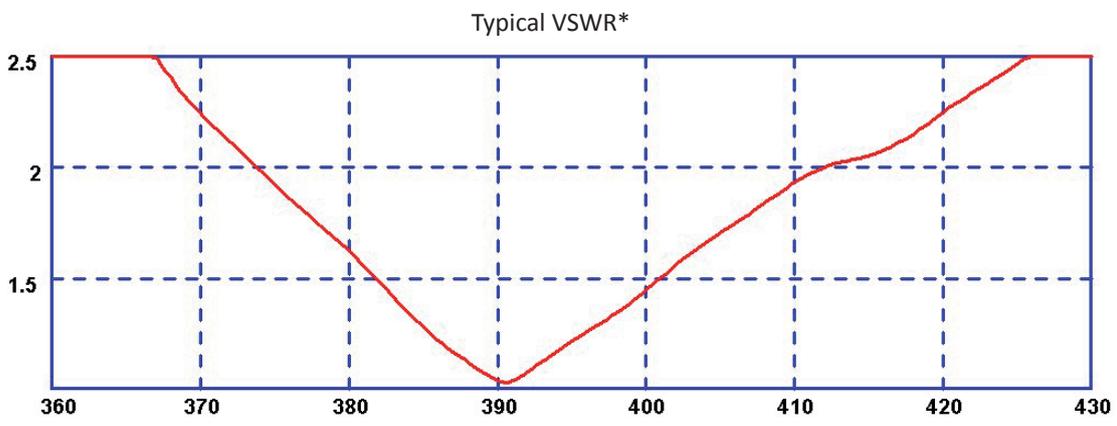
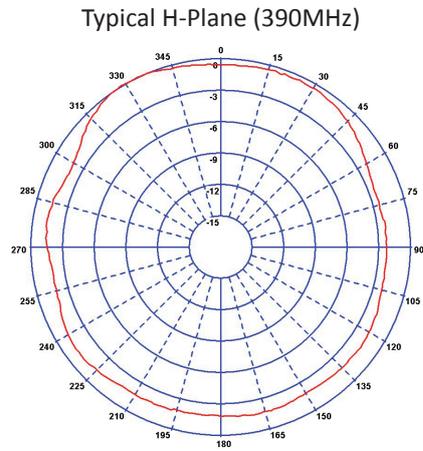
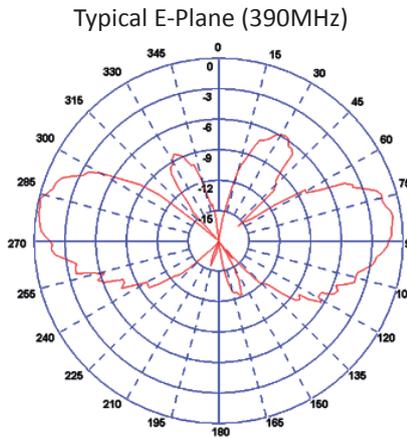


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Product Data

Part No.	ACUHB-S1	ACUHB-S2	ACUHB-T2	ACUHB-460
Electrical Data				
Frequency Range (MHz)	380-410	410-430	420-456	450-470
Operational Band	S1	S2	T2	S4
Peak Gain: Isotropic	7dBi	7dBi	7dBi	7dBi
Compared to ¼ wave	5dB	5dBi	5dBi	5dBi
VSWR	< 2:1	< 2:1	< 2:1	< 2:1
Polarisation	Vertical	Vertical	Vertical	Vertical
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Impedance	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)	60	60	60	60
Mechanical Data				
Total length (mm)	805 (31.6")	747 (29.4")	704 (27.7")	634 (24.9")
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)
Colour	Black	Black	Black	Black



* Measured on a 1m x 1m (3'x3') ground plane with 5m (17') of CS23 cable, ACUHB-S1 model variant