

Magnetic Multiband Whip

31/03/2015 v1



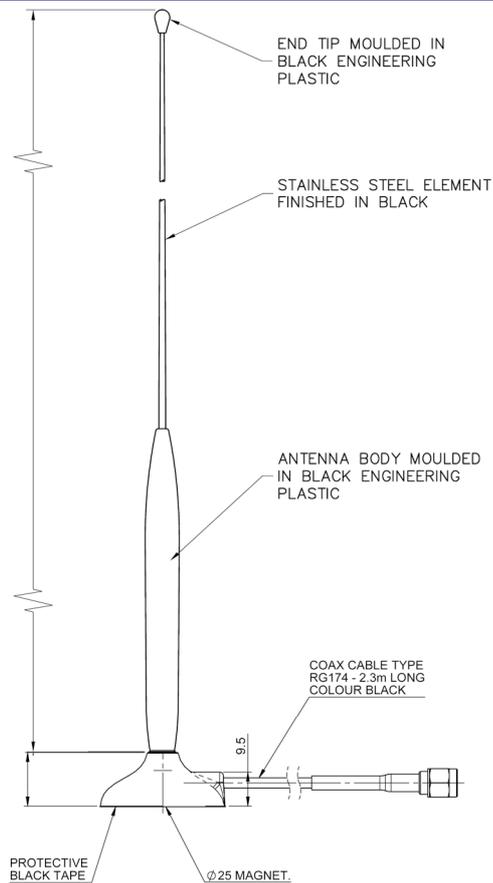
- High gain whip with magnetic mount base
- Covers 6 major cellular bands including LTE

The magnetic MAR antenna range is a great solution for temporary fit situations or applications where making a hole in a device, enclosure or vehicle is not a option.

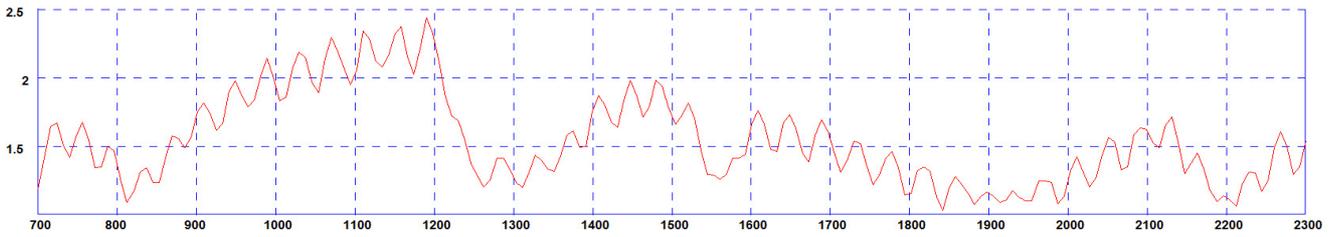
Placed on an appropriate ground plane the antenna will grip securely with a tough but removable magnetic base, giving you high gain, omni-directional coverage.

The MAR-BAG-DEP3G-2SP offers 5dBi peak gain at 700MHz, 4dBi peak gain at 800MHz and fallback coverage of 2dBi peak gain across 900/1800/1900 and 2100MHz.

Technical Drawing

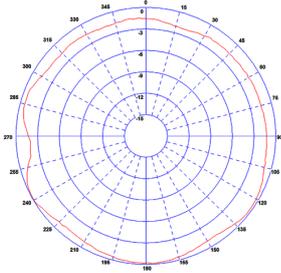


Typical VSWR*

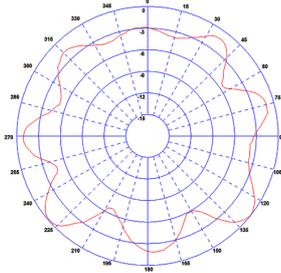


*VSWR measured on MARU base 1x1m groundplane with 2m of RG174 cable

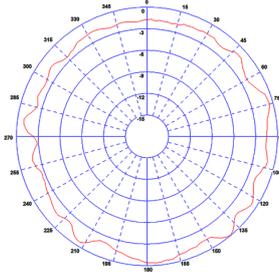
Typical 750MHz H-Plane



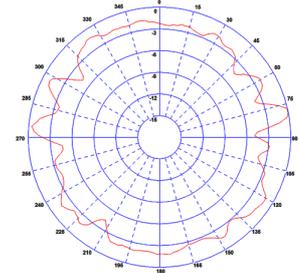
Typical 850MHz H-Plane



Typical 1800MHz H-Plane



Typical 2100 MHz H-Plane



Part No.

MAR-BAG-DEP3G-2SP

Electrical Data

Frequency Range (MHz)	698-960, 1710-2170
Pre-Tuned Band	LTE 700, AMPS850, GSM900, GSM1800, PCS1900, AWS & 3G UMTS
Peak Gain:	5dBi
801-896MHz	4dBi
Isotropic	2dBi
896-960/1710-2170MHz	
Polarisation	Vertical
Pattern	Omni Directional
Impedance	50Ω
Max Input Power (W)	60

Mechanical Data

Dimensions (mm)	Whip Length	302 (11.9")
	Base Diameter	35 (1.38")
Operating Temp (°C)	-30°/+70°C (-22°/158°F)	
Material	Polyamide & Stainless Steel	
Colour	Black	
Mounting	Magnetic	

Cable Data

Type	RG174
Length	2m (6.5')
Diameter	2.8mm (0.11")
Connector	SMA Plug

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