

GPRS & 3G

MAR-2009

Magnetic Antenna

V2.04/08/16



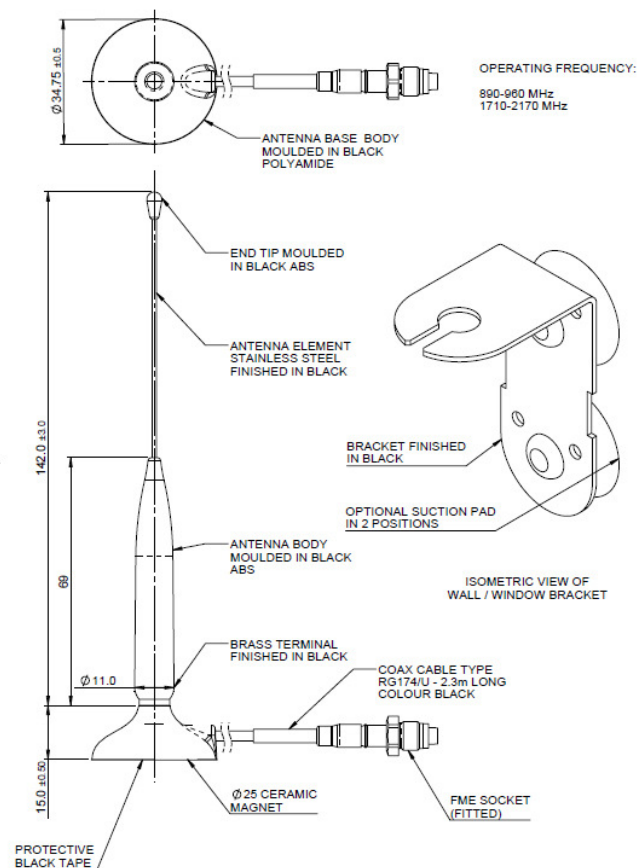
MAR-2009

- No hole installation
- Magnetic base & suction mount bracket
- Easy removal

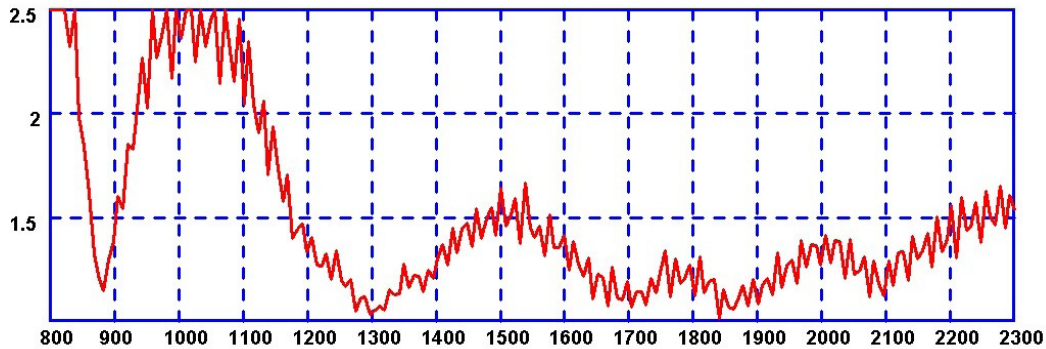
The MAR-2009 is a temporary fit 2G/3G antenna supplied with a number of mounting options. The antenna offers 5dBi peak gain across 1710-2170MHz with 2dBi fallback gain at 890-960MHz.

The antenna can be mounted magnetically to any suitable metal surface or installed on a smooth vertical surface such as a window using the supplied suction bracket mount.

Technical Drawing



Typical VSWR*

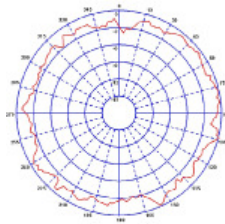
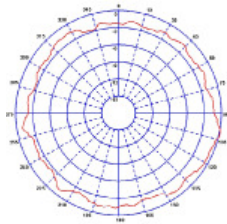
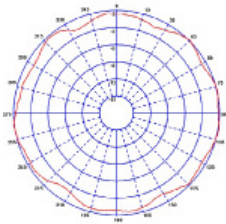


* VSWR measured on 400 x400mm (15" x 15") ground plane with 2m (6'6") cable

Typical H-Plane (900MHz)

Typical H-Plane (1800MHz)

Typical H-Plane (2000MHz)



Part No.

MAR-2009-2F

MAR-2009-2SP

Electrical Data

Frequency Range (MHz)	890-960 & 1710-2170
Pre-Tuned Band	GSM900, GSM1800, PCS1900 & 3G UMTS
Peak Gain: Isotropic	2dBi (890-960MHz) & 5dBi (1710-2170MHz)
Compared to ¼ wave	0dB (890-960MHz) & 3dB (1710-2170MHz)
Polarisation	Vertical
Pattern	Omni Directional
Impedance	50Ω
Max Input Power (W)	10

Mechanical Data

Dimensions (mm)	Height	166 (6.5")
	Diameter	26 (1")
Operating Temp (°C)	-30° / +70°C (-22° / +156°F)	
Material	ABS and Polyamide	
Colour	Black	

Mounting Data

Fixing	Magnetic mount or optional suction bracket mount
Colour	Black

Cable Data

Type	RG174
Thickness (mm)	2.5 (0.1")
Length (m)	2.3 (7')
Termination	FME Socket SMA Plug

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