

GSM/Cellular

Multiband Cellular Magnetic Mount Antenna

18/07/2013 v1



MAR-C3G

No hole installation

Omni directional coverage

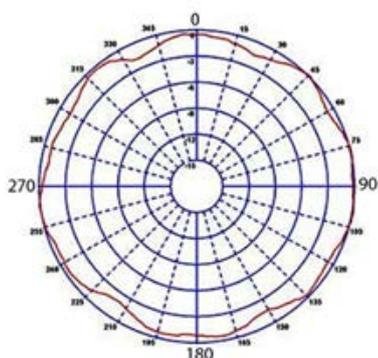
Covers global 2G/3G frequencies

If you are constantly on the move the magnetic MAR antenna range is the ultimate solution. Placed on the roof of a vehicle the antenna will grip securely with a tough but removable magnetic base, giving you omni-directional coverage.

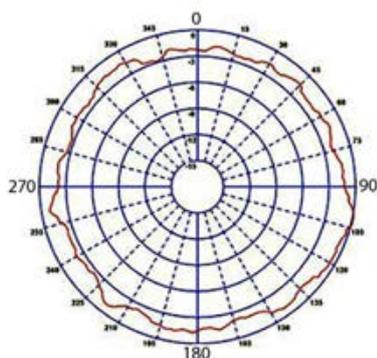
When it comes to removing or re-positioning, it couldn't be easier and you won't be left with any evidence that the antenna was there at all. With the MAR range you no longer need to make holes in your vehicle to fill holes in your coverage.

Electrical Data

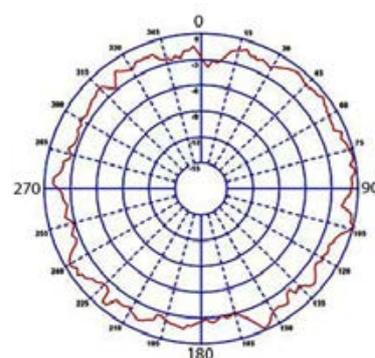
Typical H-Plane (900MHz)



Typical H-Plane (1800MHz)

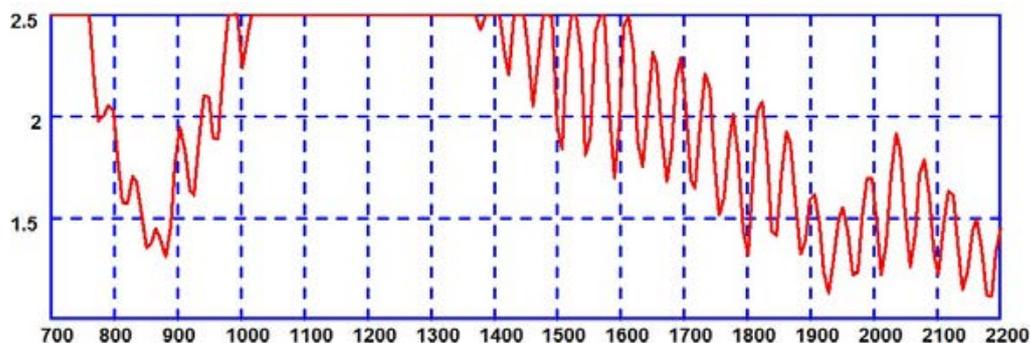


Typical H-Plane (2000 MHz)

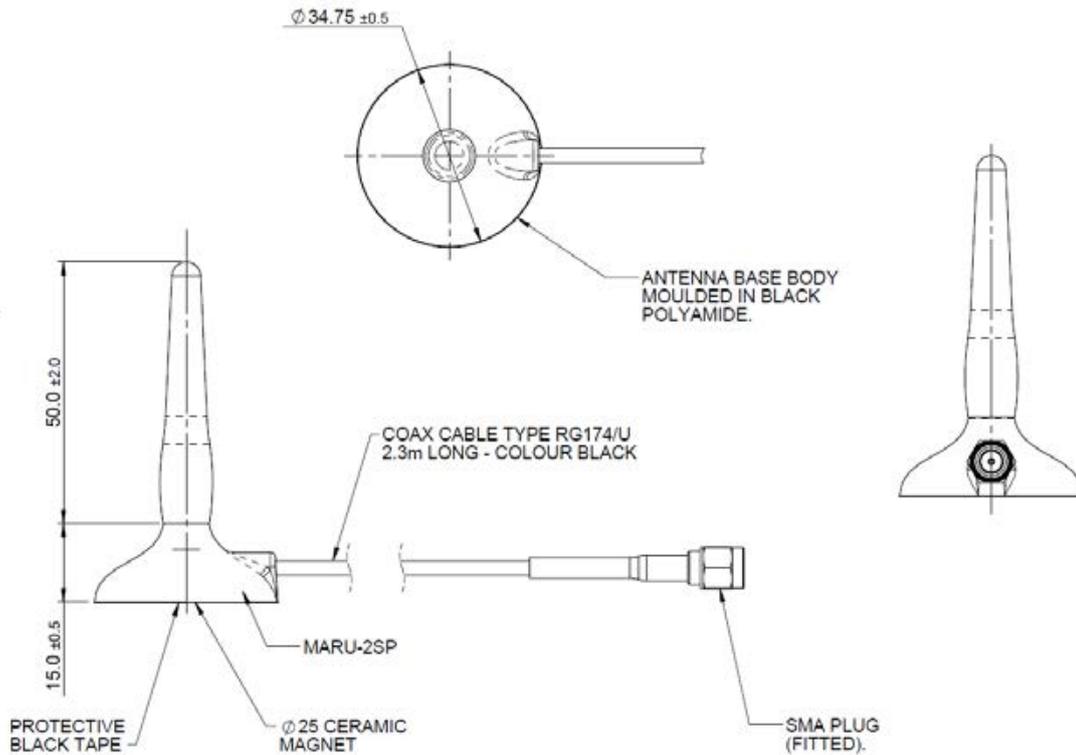


* All measurement use a groundplane and 350x350mm gp w/2m of RG174 cable

Typical VSWR



* All measurements use a groundplane and 350x350mm with 2m of RG174 cable



Part No.		MAR-C3G-2F	MAR-C3G-2SP
Electrical Data			
Frequency Range (MHz)	805-880, 890-960, 1710-1880, 1850-1990, 1900-2170		
Operational Band	AMPS 850, GSM900, GSM1800, PCS1900 & 3G UMTS		
Peak Gain: Isotropic	2dBi		
Compared to $\frac{1}{4}$ wave	0dB		
Polarisation	Vertical		
Pattern	Omni-directional		
Impedance	50 Ω		
Max Input Power (W)	20		
Mechanical Data			
Dimensions (mm)	Total Height	65 (2.5")	
	Base Height	15 (0.5")	
	Base Diameter	34 (1.3")	
Operating Temp ($^{\circ}$ C)	-30 $^{\circ}$ /+70 $^{\circ}$ C (-22 $^{\circ}$ /158 $^{\circ}$ F)		
Material	High Performance PA6/66 + TPE		
Colour	Black		
Mounting Data			
Fixing	Magnetic mount		
Cable Data			
Type	RG174	RG174	RG174
Diameter (mm)	2.8 (0.1")	2.8 (0.1")	2.8 (0.1")
Length (m)	2.3 (7'6")	2.3 (7'6")	2.3 (7'6")
Termination	FME socket*	SMA Plug*	SMA Plug*

*Micro connector patch-leads available