TRACKSIDE WALL/MAST MOUNT ANTENNA

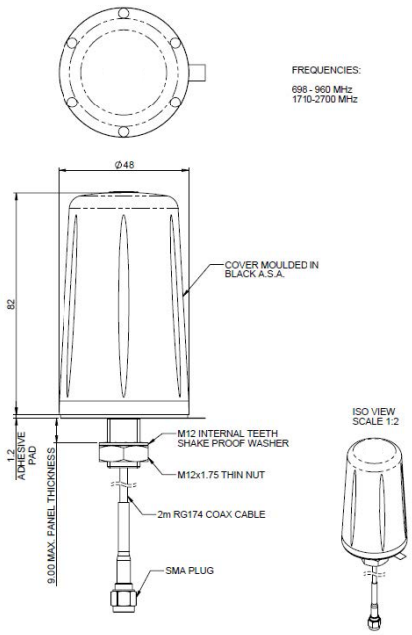
RUGGED LOW PROFILE ANTENNA

The TE Connectivity low profile antenna range is a range of low cost high performance antennas for challenging applications. At only 82mm (3.22”) high and protected by a robust high impact radome the antenna is almost impervious to daily wear, tear and impact.

This range also offers excellent performance across a wide bandwidth. Mounted on a 300mm diameter groundplane or optional accessory bracket this antenna range covers global cellular and LTE frequencies from 698-960 MHz and 1710-2700MHz making it an extremely versatile product.

Supplied with a convenient adhesive pad and flexible RG174 cable the low profile antenna range is easy to install and compatible with a large range of modems.

Technical Drawing

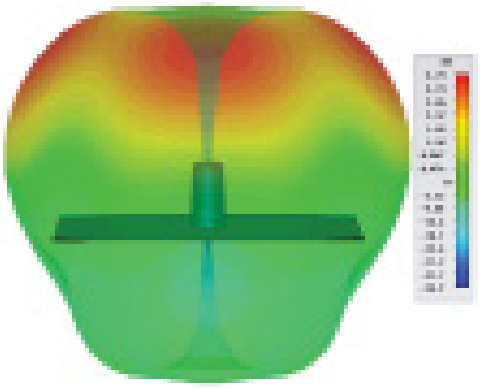


TRACKSIDE WALL/MAST MOUNT ANTENNA

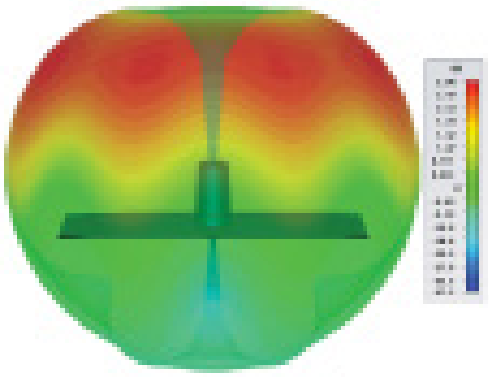
Part Number		
		1-2316881-1
Electrical Data		
Frequency Range (MHz)		698-960 / 1710-2700
Operational Band		700/800/900/1800/1900/2100/2400/2600
Peak Gain: (Excluding cable loss)	698-960 MHz	3dBi
	1710-2170 MHz	5dBi
	2170-2700 MHz	4dBi
Typical VSWR*		<2:1
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		25
Cable Data		
Type		RG174
Diameter (mm)		2.8 (0.1”)
Length (m)		2 (6.6”)**
Termination		SMA plug**
Mechanical Data		
Dimensions (mm)	Height	82 (3.22”)
	Diameter	48 (1.89”)
Operating Temp (°C)		-40° / +80° (-40°F / 176°F)
Material		UV Stable ABS
Colour		Black
Mounting Data		
Fixing		Panel Mount
Hole Diameter (mm)		12 (0.5”)
Max Panel Thickness (mm)		9 (0.35”)

*VSWR measured on a 300mm (12”) diameter ground plane with 2m (6’6”) of RG174 cable.
**Other cable lengths and connectors available on request

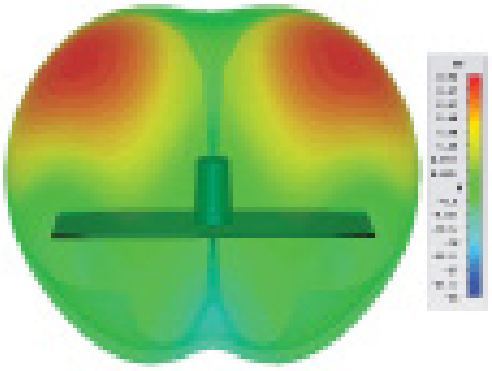
3D Gain Plot - 700MHz



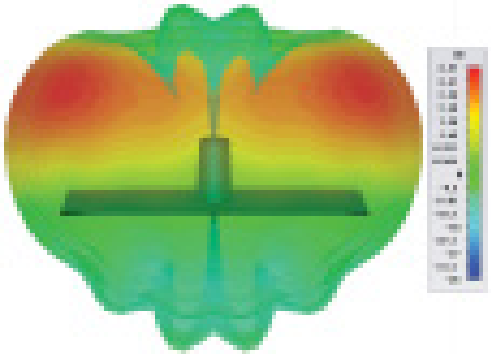
3D Gain Plot - 800MHz



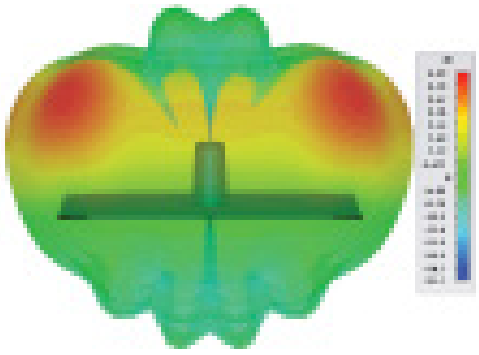
3D Gain Plot - 900MHz



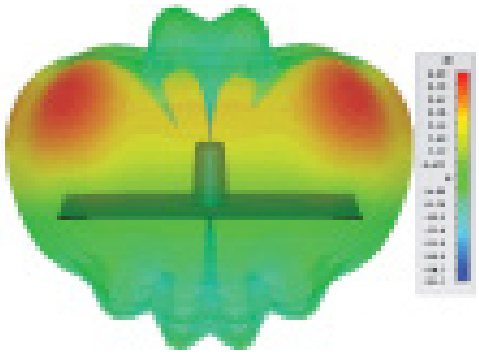
3D Gain Plot - 1800MHz



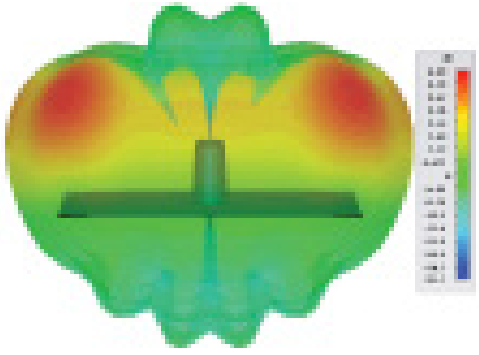
3D Gain Plot - 1900MHz



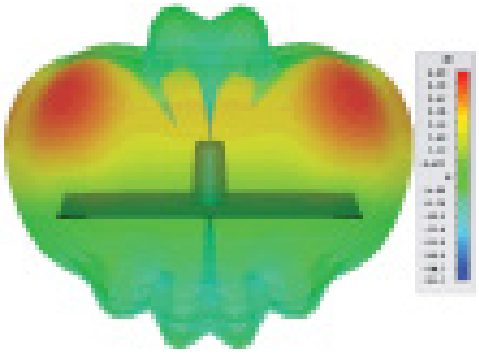
3D Gain Plot - 2100MHz



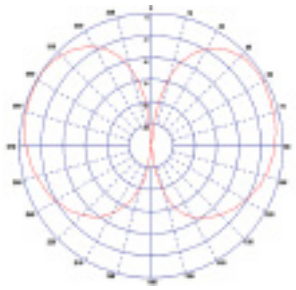
3D Gain Plot - 2400MHz



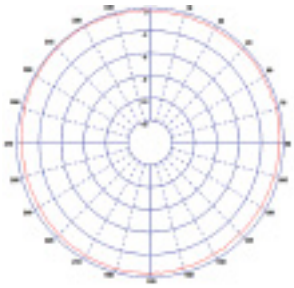
3D Gain Plot - 26



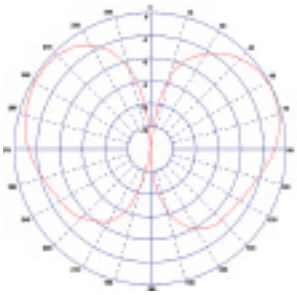
Typical E Plane (750MHz)



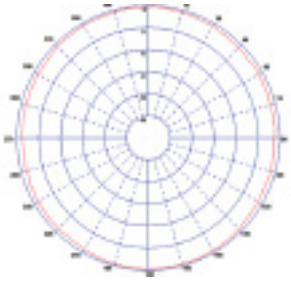
Typical H Plane (750MHz)



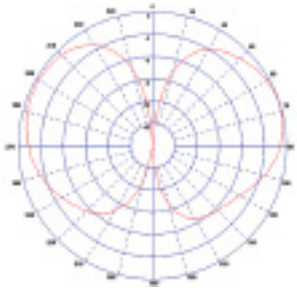
Typical E Plane (850MHz)



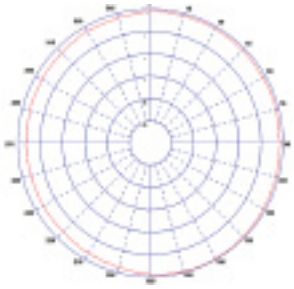
Typical H Plane (850MHz)



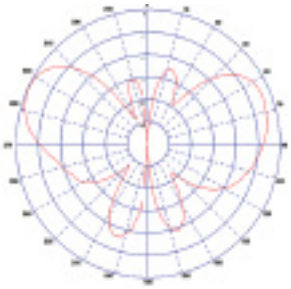
Typical E Plane (900MHz)



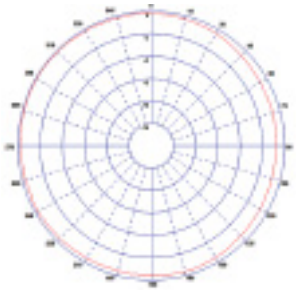
Tyical H Plane (900MHz)



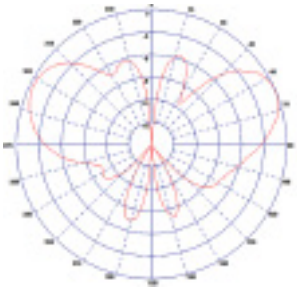
Typical E Plane (1800MHz)



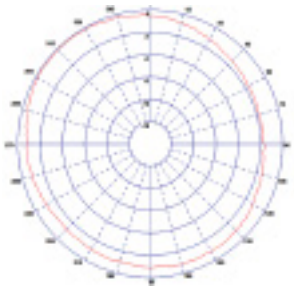
Typical H Plane (1800MHz)



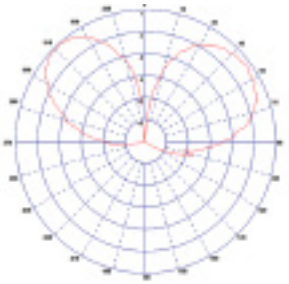
Typical E Plane (2100MHz)



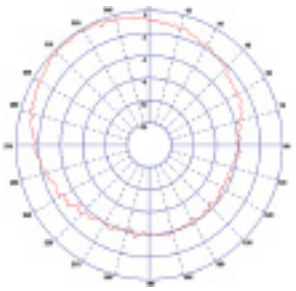
Typical H Plane (2100MHz)



Typical E Plane (2600MHz)



Typical H Plane (2600MHz)



Typical VSWR*