



TRACKSIDE WALL/MAST MOUNT ANTENNA

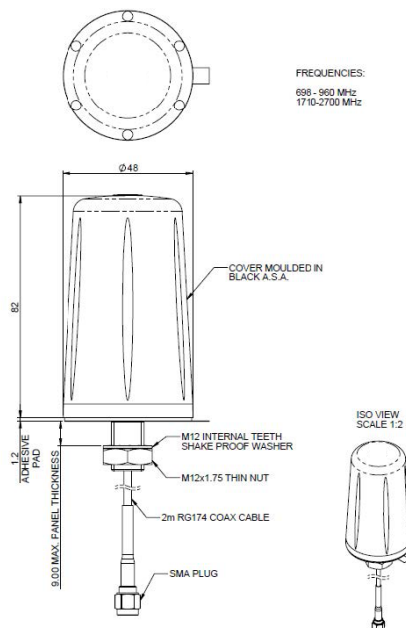
RUGGED LOW PROFILE ANTENNA

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

Low Profile Antenna

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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")	

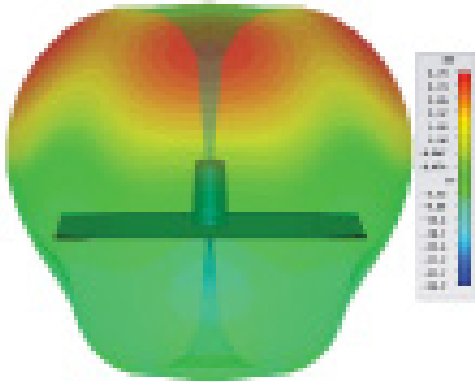
*VSWR measured on a 300mm (12") diameter ground plane with 2m (6'6") of RG174 cable.

**Other cable lengths and connectors available on request

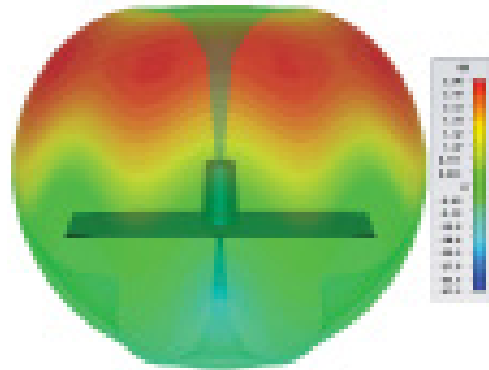
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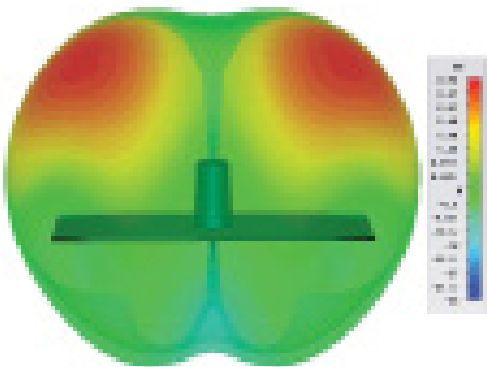
3D Gain Plot - 700MHz



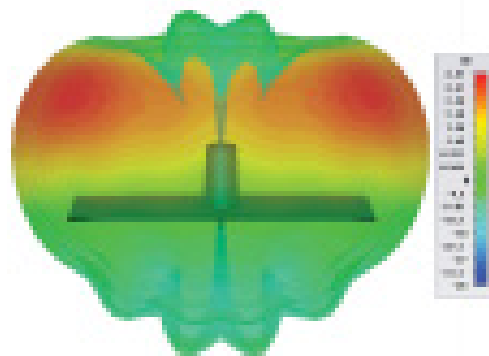
3D Gain Plot - 800MHz



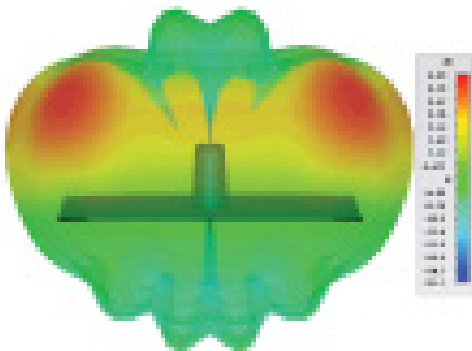
3D Gain Plot - 900MHz



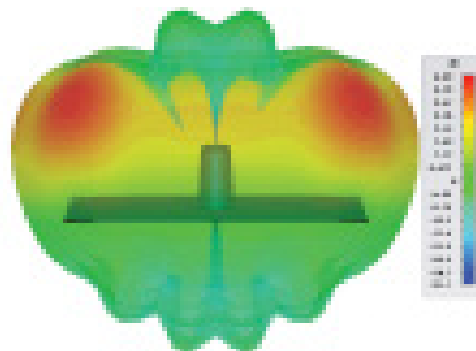
3D Gain Plot - 1800MHz



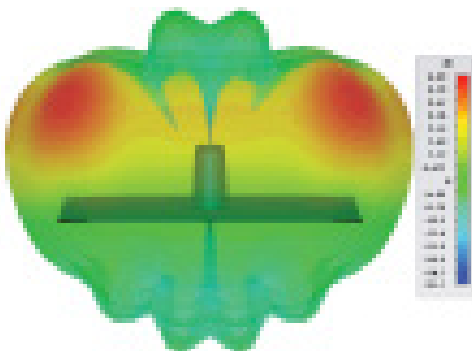
3D Gain Plot - 1900MHz



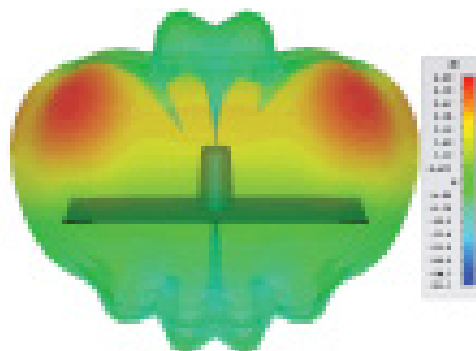
3D Gain Plot - 2100MHz



3D Gain Plot - 2400MHz



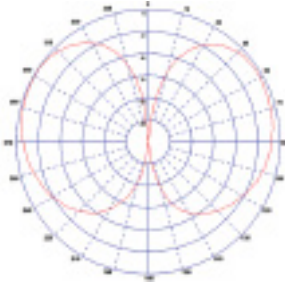
3D Gain Plot - 26



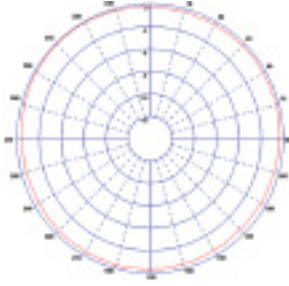
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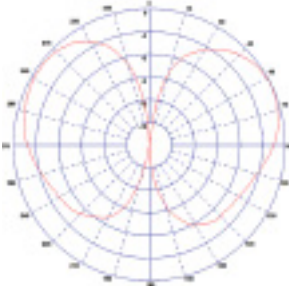
Typical E Plane (750MHz)



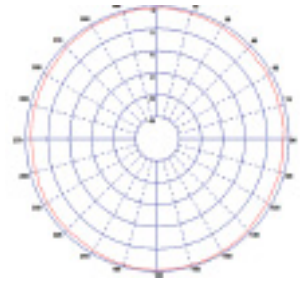
Typical H Plane (750MHz)



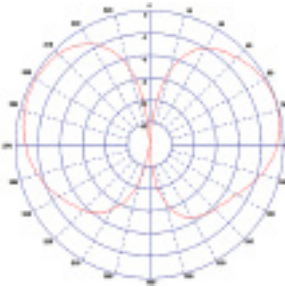
Typical E Plane (850MHz)



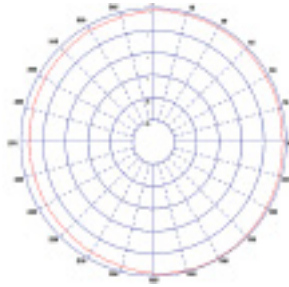
Typical H Plane (850MHz)



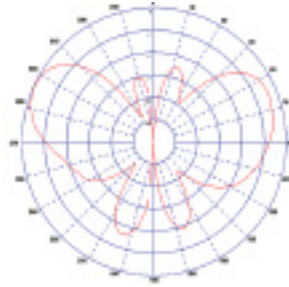
Typical E Plane (900MHz)



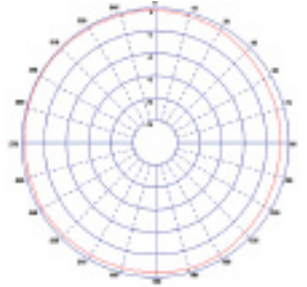
Typical H Plane (900MHz)



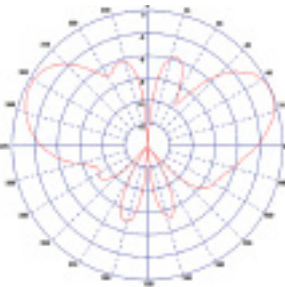
Typical E Plane (1800MHz)



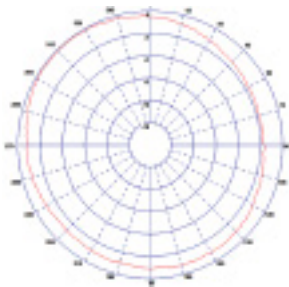
Typical H Plane (1800MHz)



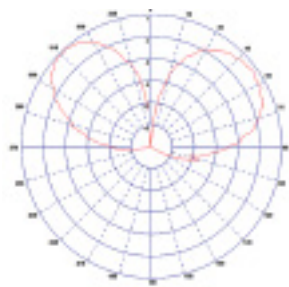
Typical E Plane (2100MHz)



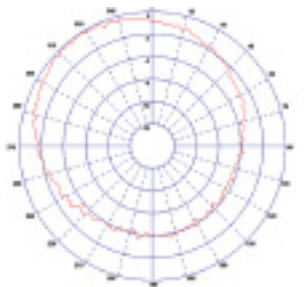
Typical H Plane (2100MHz)



Typical E Plane (2600MHz)



Typical H Plane (2600MHz)



Typical VSWR*

