

## Sierra Wireless AirLink® Antenna: 2-in-1 Dome

### AirLink® Antenna: 2-in-1 Dome

The 2-In-1 low profile MiMo Dome has been tested and certified to operate with AirLink routers and gateways.

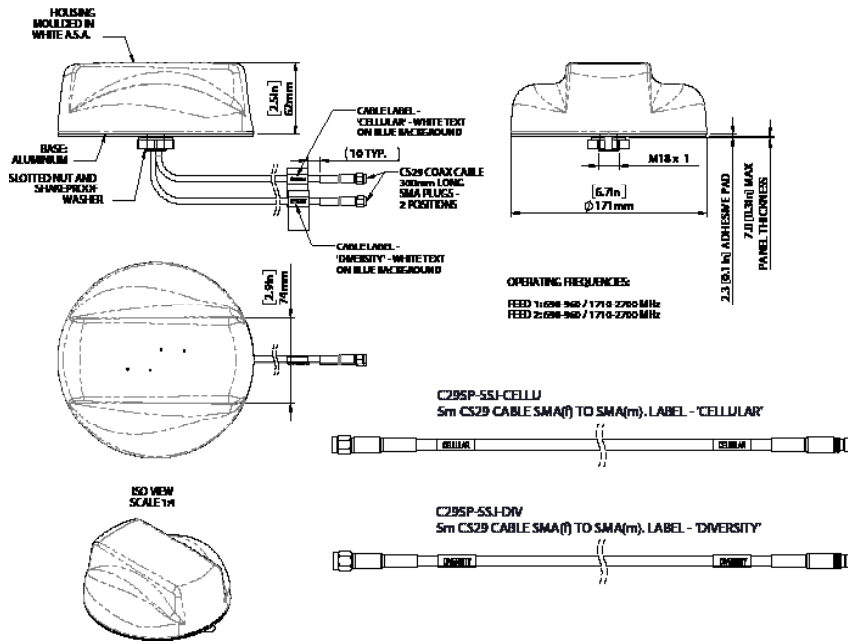
The antenna enclosure contains two isolated high performance antenna elements spanning 698-2700MHz MIMO/diversity at LTE frequencies.

The antenna is ground plane independent, and maintains a high level of performance even when mounted on a non-metallic surface.

		Specification
<b>PART NO.</b>		6001123
<b>ELECTRICAL DATA</b>		
<b>Frequency Rang</b>	Elements 1 & 2	698-960 / 1700-2700MHz
<b>Operational Bands</b>	Elements 1 & 2	2G/3G/4G LTE
<b>Peak gain: Isotropic</b>	Elements 1 & 2	698-960MHz 2.3dBi
		1710-2700MHz 5dBi
<b>Isolation*</b>	Elements 1 & 2	> 15dB
<b>Correlation Co-efficient</b>		< 0.1
<b>Polarisation</b>		Vertical
<b>Impedance</b>		50Ω
<b>Max Input Power</b>		25W
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height	62 mm (2.4")
	Diameter	176 mm (6.7")
<b>Operating Temp</b>		-22° / 176°F (-30° / +80°C)
<b>Material</b>		ASA & Diecast Aluminum
<b>Colour</b>		White
<b>Ingress Protection</b>		IP66
<b>Weight</b>		1282g
<b>MOUNTING DATA</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cell / LTE Cables</b>	Type	CS29
	Length	5m (16ft)
	Termination	SMA Plug

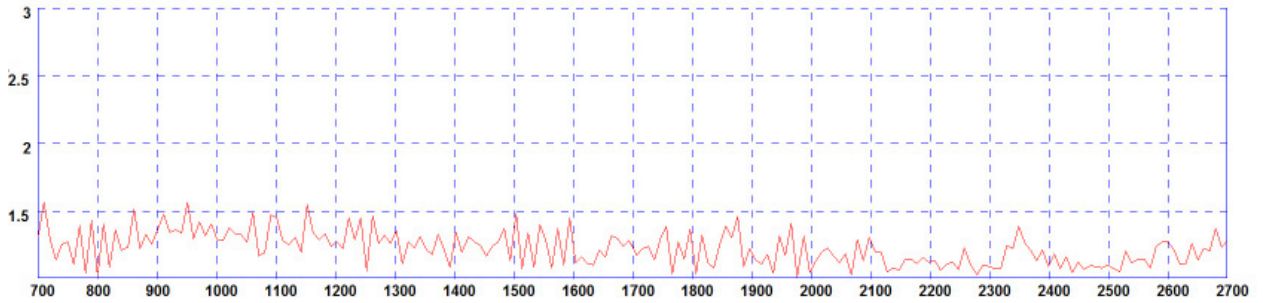
\*Measured with 5m (17') of CS29 cable

TECHNICAL DRAWING



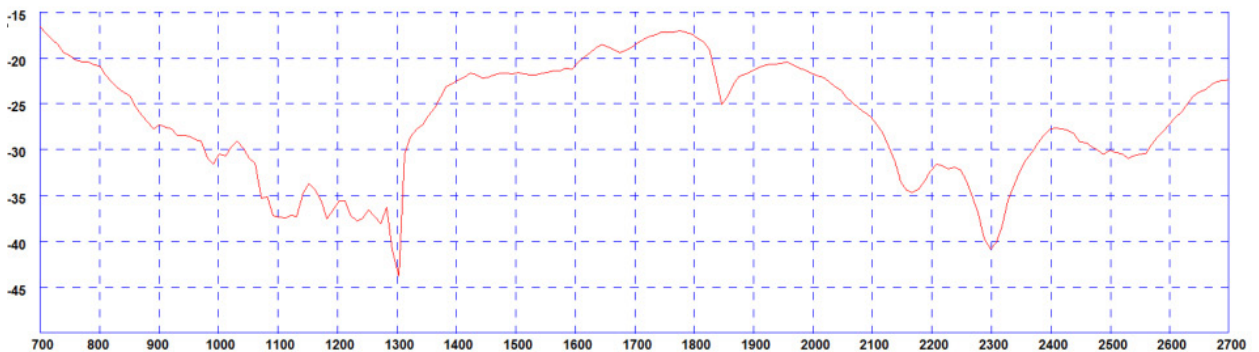
VSWR

Typical VSWR (Elements 1 & 2)\*



\* VSWR measured with 5m (16') of cable.

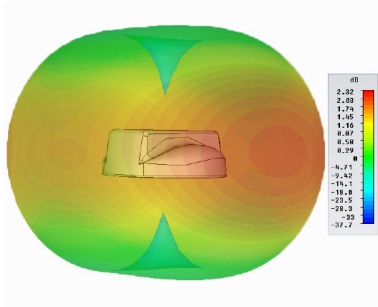
Typical Isolation (elements 1 & 2)\*



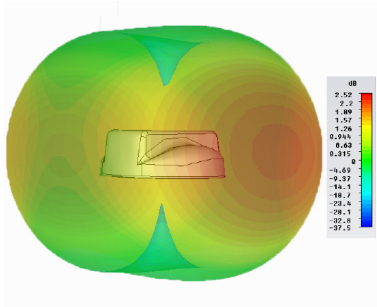
\* Isolation measured without a groundplane

ELECTRICAL DATA

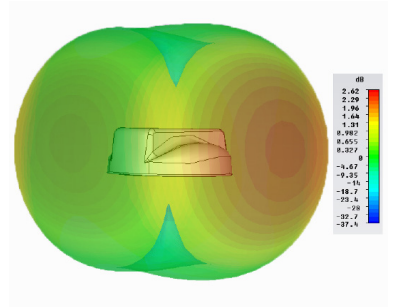
Typical 3D Pattern - Elements 1&2 700MHz



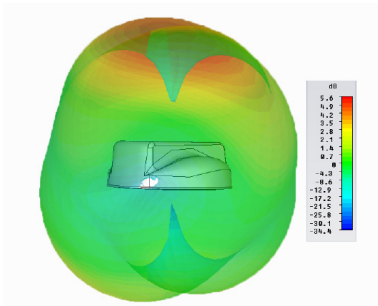
Typical 3D Pattern - Elements 1&2 800MHz



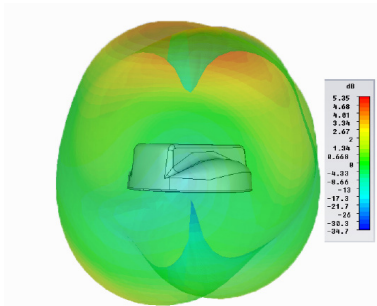
Typical 3D Pattern - Elements 1&2 900MHz



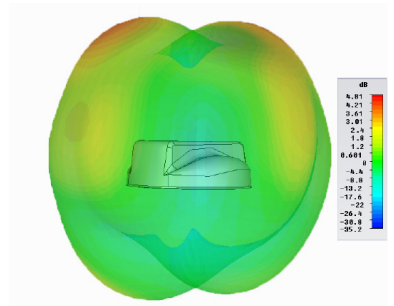
Typical 3D Pattern - Elements 1&2



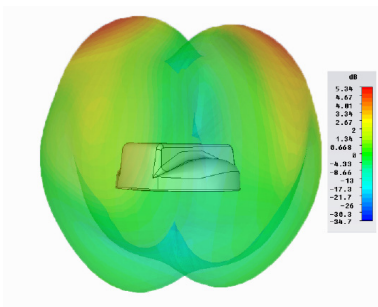
Typical 3D Pattern - Elements 1&2



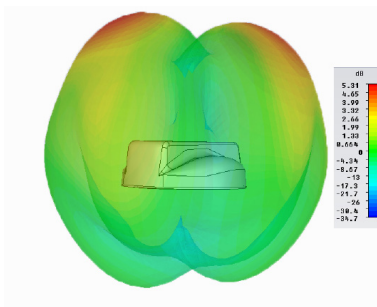
Typical 3D Pattern - Elements 1&2



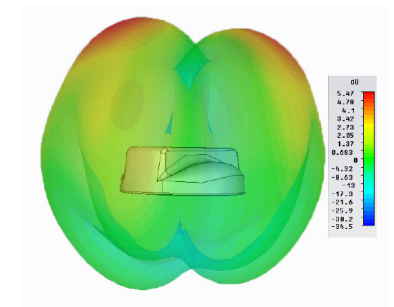
Typical 3D Pattern - Elements 1&2



Typical 3D Pattern - Elements 1&2



Typical 3D Pattern - Elements 1&2



N.B. All pattern and gain measurements taken on a 400 x 400mm (2' x 2') ground plane without additional cable.

**About Sierra Wireless**

Sierra Wireless is building the Internet of Things with intelligent wireless solutions that empower organizations to innovate in the connected world. We offer the industry's most comprehensive portfolio of 2G, 3G, and 4G embedded modules and gateways, seamlessly integrated with our secure cloud and connectivity services. OEMs and enterprises worldwide trust our innovative solutions to get their connected products and services to market faster.

For more information, visit [www.sierrawireless.com](http://www.sierrawireless.com).