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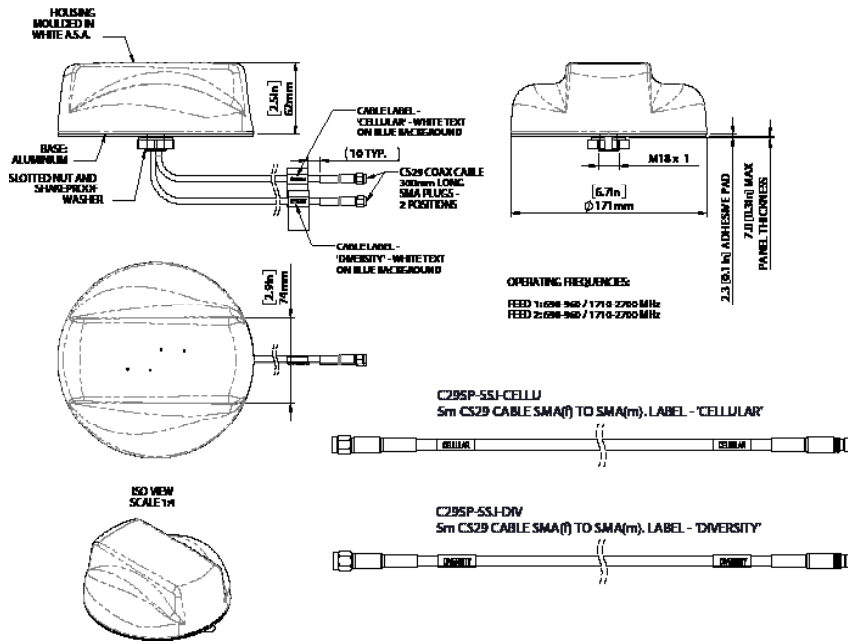
The antenna enclosure contains two isolated high performance antenna elements spanning 698-2700MHz MIMO/diversity at LTE frequencies.

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

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

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

sierrawireless.com/airlink

TECHNICAL DRAWING

HOUSING MOULDED IN WHITE A.S.A.

[2.5in] 62mm

CABLE LABEL - 'CELLULAR' - WHITE TEXT ON BLUE BACKGROUND

(10 TYP.)

BASE: ALUMINIUM

SLOTTED NUT AND SHAKE-PROOF WASHER

CS29 COAX CABLE 300mm LONG. SMA PLUGS - 2 POSITIONS

CABLE LABEL - 'DIVERSITY' - WHITE TEXT ON BLUE BACKGROUND

[6.7in] Ø171mm

M18 x 1

2.3 [9.1 In] ADHESIVE PAD
7.0 [0.3 In] MAX. PANEL THICKNESS

[2.9in] 74mm

OPERATING FREQUENCIES:
FEED 1: 698-960 / 1710-2700 MHz
FEED 2: 698-960 / 1710-2700 MHz

ISO VIEW SCALE 1:4

C29SP-5SJ-CELLU
5m CS29 CABLE SMA(f) TO SMA(m). LABEL - 'CELLULAR'

CELLULAR — CELLULAR

C29SP-5SJ-DIV
5m CS29 CABLE SMA(f) TO SMA(m). LABEL - 'DIVERSITY'

DIVERSITY — DIVERSITY

VSWR

Typical VSWR (Elements 1 & 2)*
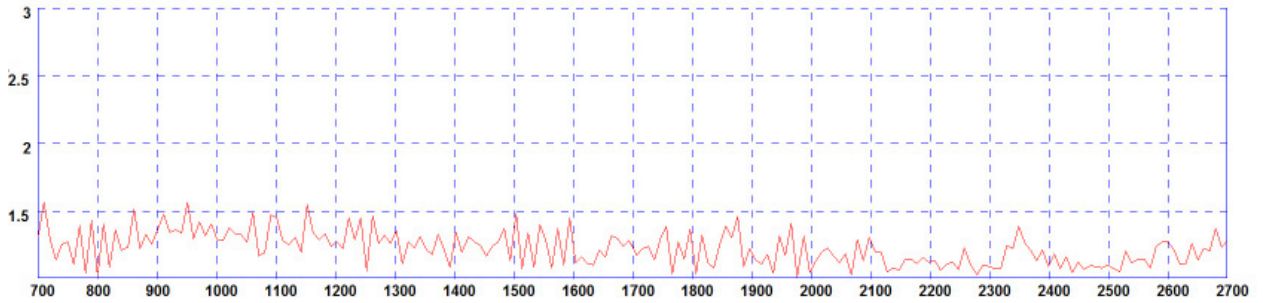
* VSWR measured with 5m (16') of cable.

Typical Isolation (elements 1 & 2)*
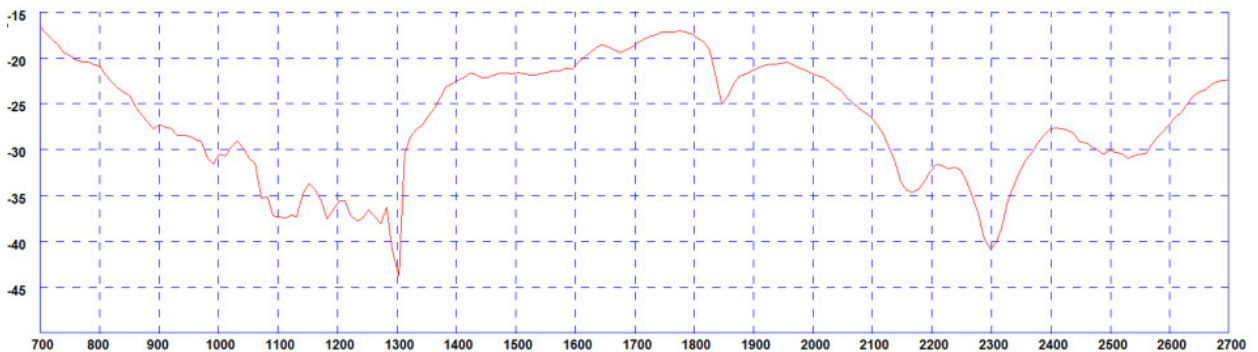
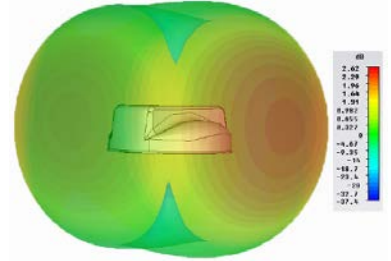* Isolation measured without a groundplane

ELECTRICAL DATA

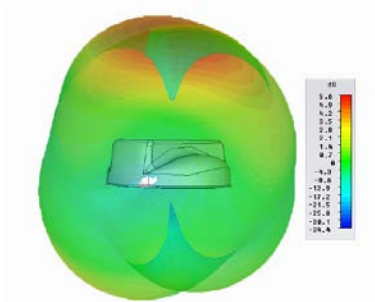Typical 3D Pattern – Elements 1&2 700MHz
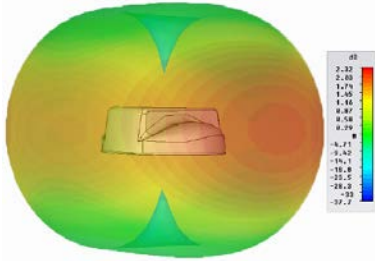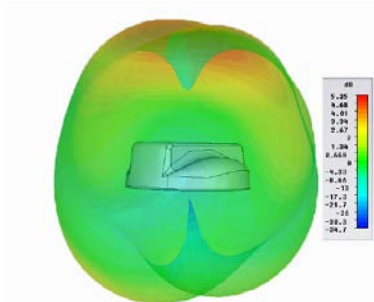
Typical 3D Pattern – Elements 1&2 800MHz
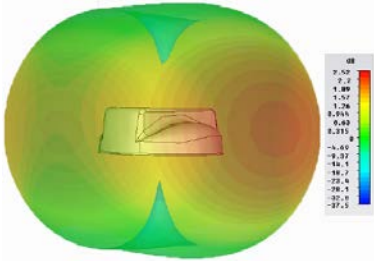
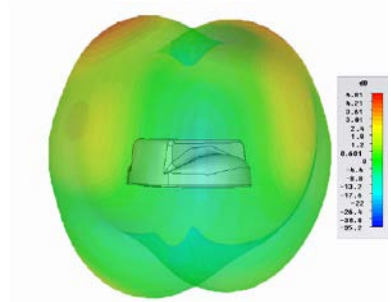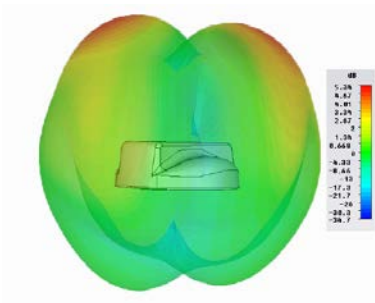Typical 3D Pattern – Elements 1&2 900MHz

Typical 3D Pattern - Elements 1&2
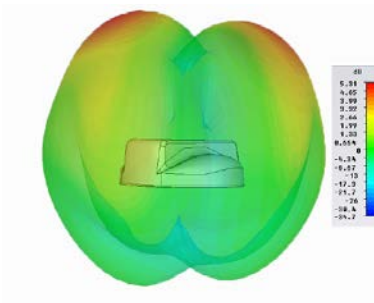
Typical 3D Pattern - Elements 1&2
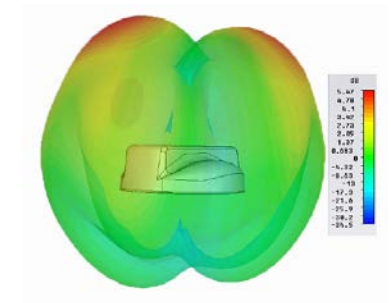
Typical 3D Pattern - Elements 1&2

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 additonal 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.

SIERRA
WIRELESS®