Sierra Wireless AirLink® Antenna: Puck (Cell + GPS/GNSS)

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Tested and certified to operate with AirLink routers and gateways, the Puck offers a 2-in-1 product to enable vehicle communications and telematics. The housing incorporates antennas for LTE and GNSS with a 26dB gain LNA.

The antenna housing is UV resistant, while the integrated coax cables are flame retardant with low smoke specification. The Puck offers easy and quick installation on/under the dashboard or on the windshield using the supplied acrylic adhesive pad.[1]

		Specification	
PART NO.			
		6001128	
ELECTRICAL DATA			
Frequency Range	Cellular	698-960 / 1710-2700MHz	
Peak gain: Isotropic[2]	Cellular	698-960MHz	2dBi
		1710-2170MHz	2dBi
		2500-2700MHz	4dBi
Pattern		Omni-directional	
Nominal Impedance		50Ω	
Max Input Power		20W	
GPS/GNSS DATA			
Frequency Range		1562-1612MHz	
LNA Gain		26dB	
Polarisation		Right Hand Circular	
Operating Voltage		3-5VDC	
Current		Typical 15mA	
MECHANICAL DATA			
Dimensions	Depth	69mm (2.7")	
	Height	15mm (0.6")	
Operating Temp		-30° / +70°C (-30° / 158°F)	
Material		UV Stable ABS Plastic	
Colour		Black	
Weight		130g	

[1] Performance may change depending on mounting position/surface. The product should not be mounted on conductive surfaces or metalized glass

[2] Peak gain does not include cable loss

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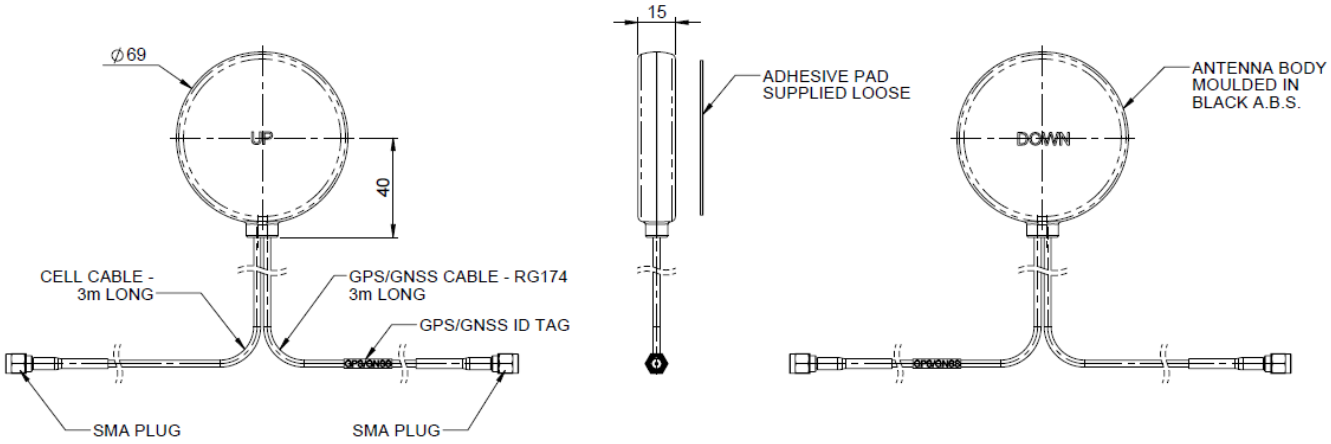
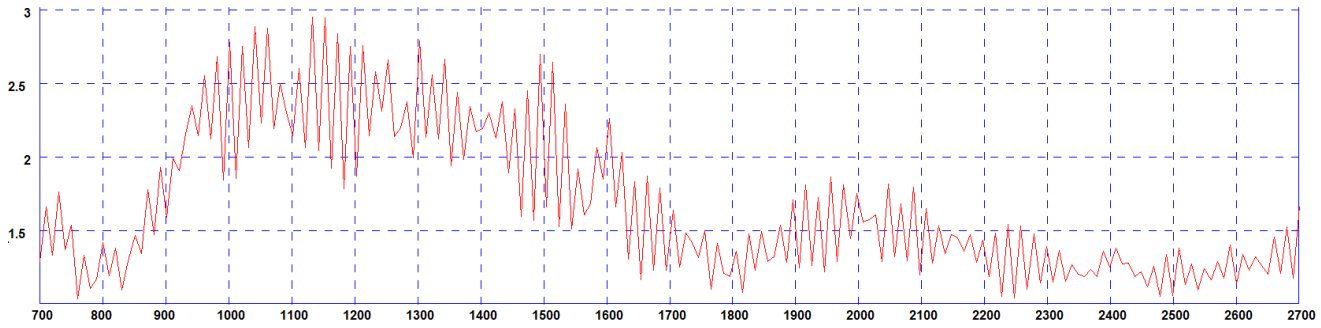
		Specification
MOUNTING DATA		
Mounting Type		Acrylic adhesive pad
CABLE DATA		
Cell / LTE Cable	Cable Type	RG174
	Length	3m (9.8')
	Termination	SMA Plug
GPS Cable	Cable Type	RG174
	Length	3m (9.8')
	Termination	SMA Plug

TECHNICAL DRAWING



VSWR

Typical VSWR - Element 1*



*VSWR measured in free space with 3m (10') of RG174 cable

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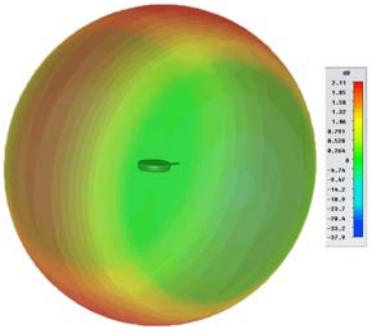
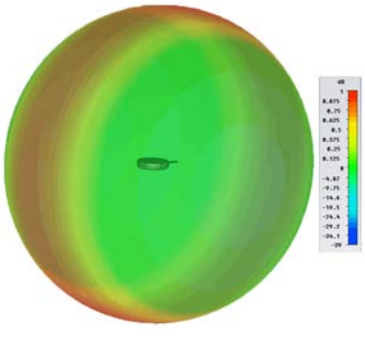
ELECTRICAL DATA

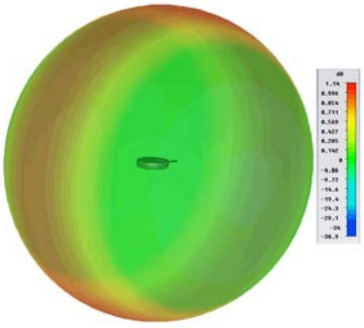
Element 1: Typical 3D Pattern (700MHz)



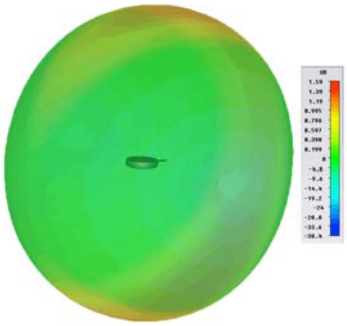
Element 1: Typical 3D Pattern (800MHz)



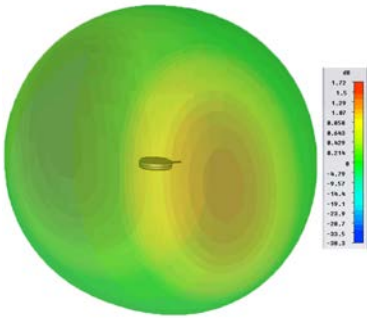
Element 1: Typical 3D Pattern (900MHz)



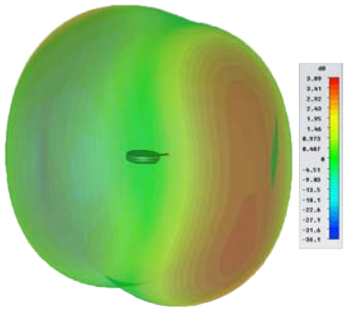
Element 1: Typical 3D Pattern (1800MHz)



Element 1: Typical 3D Pattern (2100MHz)

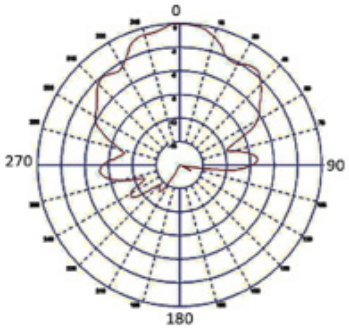


Element 1: Typical 3D Pattern (2600MHz)



Element 1 patterns simulated in CST Microwave Studio in free space excluding cable loss. Element 2 pattern measured in free space.

Element 2: Typical E Plane Pattern (1602MHz)



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.

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