

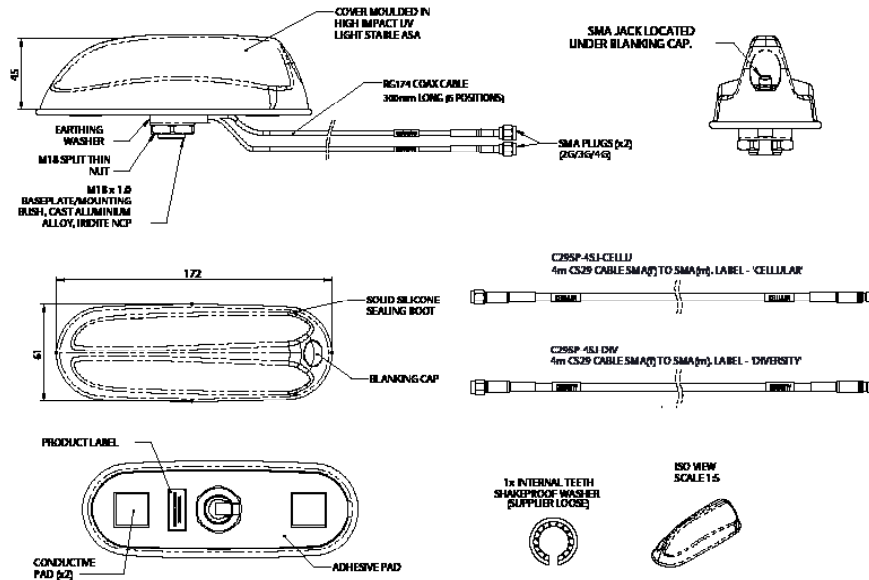
Sierra Wireless AirLink® Antenna: 2-in-1 SharkFin

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Tested and certified to operate with AirLink routers and gateways, the 2-In-1 SharkFin has a compact OEM style housing that contains 2x2 MiMo antenna function for 2G, 3G and 4G LTE frequencies. The style design provides multiple antenna functions, while remaining discreet. The 2-in-1 SharkFin is suitable for public safety (overt/covert), industrial and transport applications where a cost effective, efficient and robust antenna is essential.

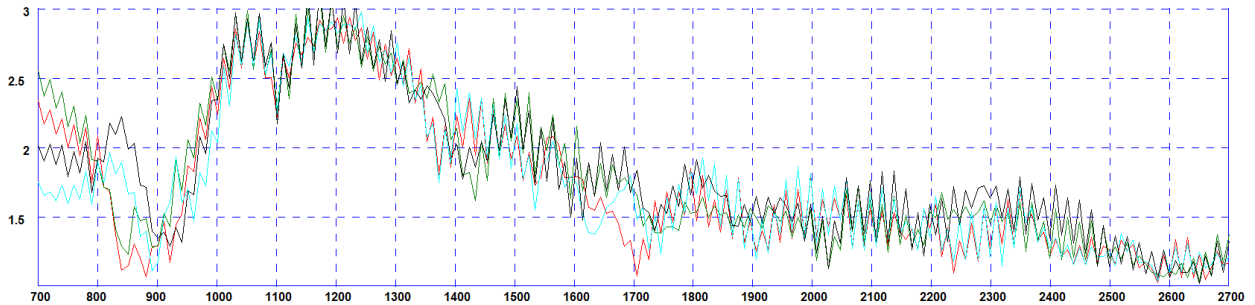
		Specification
PART NO.		6001120
ELECTRICAL DATA		
Frequency Range	Elements 1 & 2	698-960, 1710-2170, 2500-3800MHz
Operational Bands	Elements 1 & 2	2G/3G/4G LTE
Peak gain: Isotropic	Elements 1 & 2	2dBi (698-960MHz) 5dBi (1710-3800MHz)
Isolation with 4m/13' CS29	Cellular	>11dB
Typical Efficiency w/o Cable Loss	Elements 1 & 2	> 50%
Correlation Co-efficient	Elements 1 & 2	< 0.2
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power		25W
MECHANICAL DATA		
Dimensions	Total Height (excluding whip)	50mm (2.2")
	Length	170mm (6.77")
	Width	60mm (2.4")
Operating Temp		-40° / +80°C (-40° / 176°F)
Material		ASA, EPDM, Aluminium Alloy
Colour		Black
Weight		658g
Ingress Protection		IP 66
MOUNTING DATA		
Mounting Type		Panel Mount
Hole Mounting		19mm (3/4")
CABLE DATA		
Cell/LTE Cables	Cable Types - All Feeds	CS29
	Lengths	4 (13ft)
	Termination	SMA Plug

TECHNICAL DRAWING



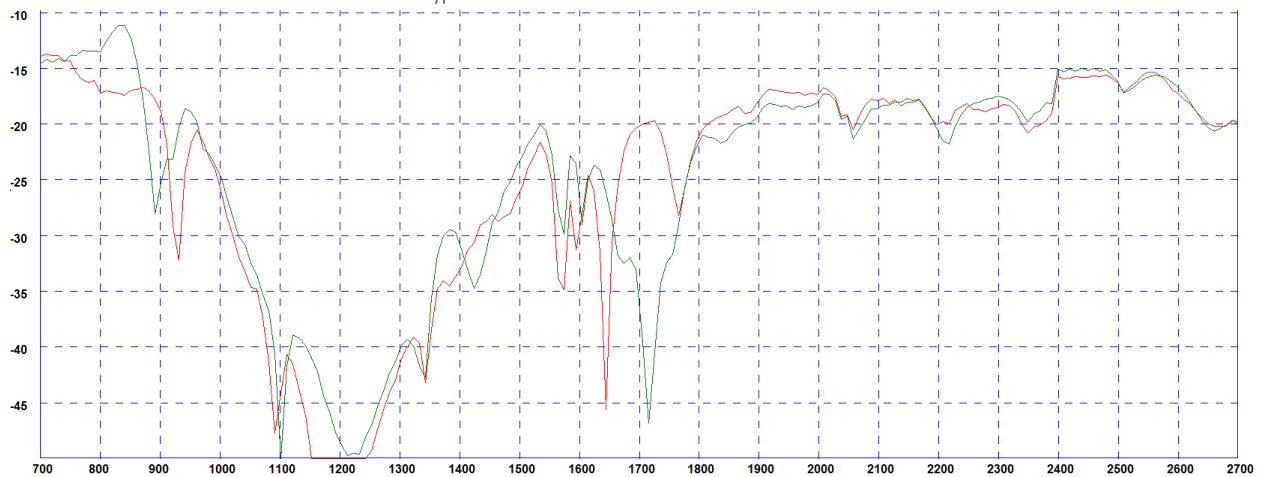
VSWR

VSWR
 Typical VSWR - 2G/3G/4G Elements 1 & 2*



*VSWR measured with no whip and 5m (16') of CS29 cable Black & Blue = no ground plane Green and Red = 600x600mm (2'x2') ground plane

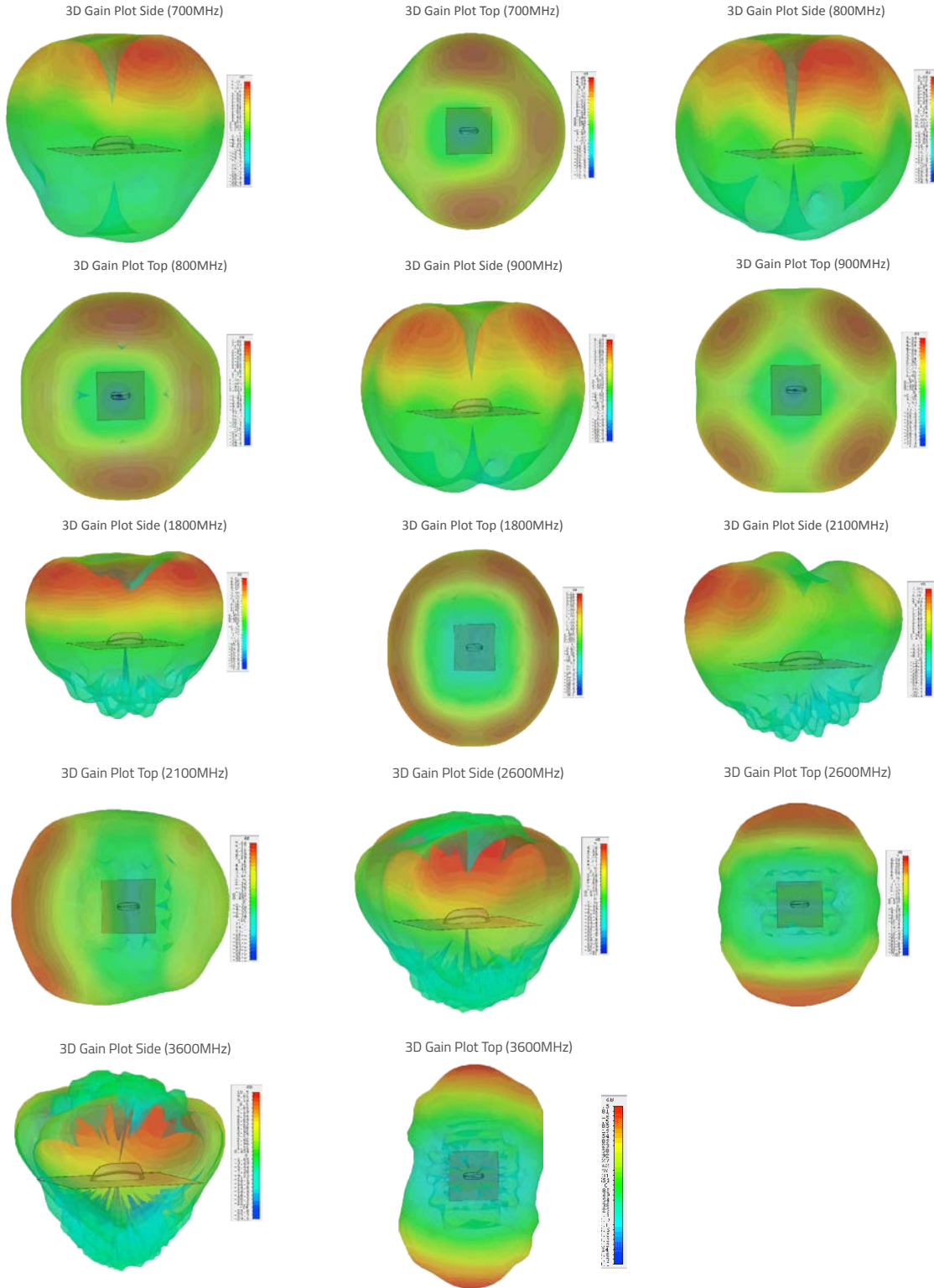
Isolation
 Typical Isolation - Cellular Elements 1 & 2*



*Isolation measured with no whip and 5m (16') of CS29 cable Green Plot = 600x600mm (2' X 2') ground plane Red Plot = no ground plane

ELECTRICAL DATA

3D Radiation Patterns - Cell / LTE Elements 1 & 2



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.