



## Sierra Wireless AirLink® Antenna: 3-in-1 SharkFin

### AirLink® Antenna: 3-in-1 SharkFin

Tested and certified to operate with AirLink routers and gateways, the 3-In-1 SharkFin has a compact OEM style housing that contains 2x2 MiMo antenna elements for 2G, 3G, and 4G LTE frequencies and an active antenna for GNSS with 26dB gain LNA.

		Specification
<b>PART NO.</b>		6001119
<b>ELECTRICAL DATA</b>		
<b>Frequency Range</b>	Elements 2 & 3	698-960, 1710-2170, 2500-3800MHz
<b>Operational Bands</b>	Elements 2 & 3	2G/3G/4G LTE
<b>Peak gain: Isotropic</b>	Elements 2 & 3	2dBi (698-960MHz), 5dBi (1710-3800MHz)
<b>Isolation with 4m/13' CS29</b>	Cellular	>11dB
<b>Typical Efficiency w/o Cable Loss</b>	Elements 2 & 3	> 50%
<b>Correlation Co-efficient</b>	Elements 2 & 3	< 0.2
<b>Polarisation</b>		Vertical
<b>Pattern</b>		Omni-directional
<b>Impedance</b>		50Ω
<b>Max Input Power</b>		25W
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Total Height (excluding whip)	50mm (2.2")
	Length	170mm (6.77")
	Width	60mm (2.4")
<b>Operating Temp</b>		-40° / +80° C (-40° / 176° F)
<b>Material</b>		ASA, EPDM, Aluminium Alloy
<b>Colour</b>		Black
<b>Weight</b>		913g
<b>Ingress Protection</b>		IP 66

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>	Element 1	1562-1612MHz
<b>VSWR</b>		<2:1 ± 4MHz
<b>Gain: LNA</b>		26dB
<b>Polarisation</b>		Right Hand Circular
<b>Operating Voltage</b>		3-5V DC
<b>Approval</b>		E11
<b>Current</b>		<20mA
<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>	Cable	CS29
	Length	4m (13ft)
	Termination	SMA Plug
<b>GPS Cable</b>	Cable	RG174
	Length	4m (13ft)
	Termination	SMA Plug

**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).