

Sierra Wireless AirLink® Antenna: 3-in-1 Wi-Fi Internal

AirLink® Antenna: 3-in-1 Wi-Fi Internal

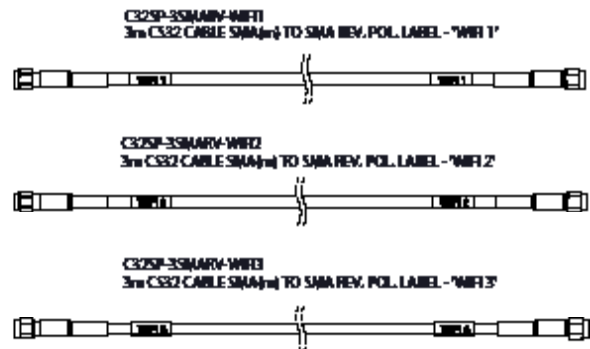
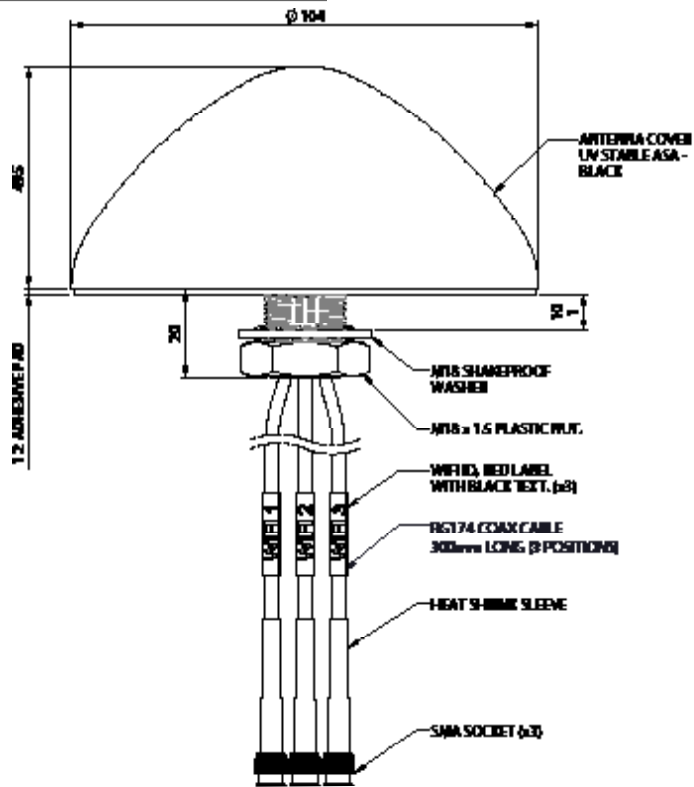
With three omni-directional dual band Wi-Fi elements in a single housing the 3-In-1 Wi-Fi Internal is built for internal use, and is tested and certified to operate with AirLink routers and gateways with Wi-Fi capability, requiring 3x3 MIMO connectivity.

Each element is isolated from the others with a separate feed and covers both the 2.4GHz and 5.0GHz bands. The 3-In-1 Wi-Fi Internal is easy to install and is supplied with 3m low loss cables.

		Specification
PART NO.		6001122
ELECTRICAL DATA		
Frequency Range		2.3-2.7 / 4.9-6GHz
Operational Bands		2.4/5.0GHz Wi-Fi
Peak gain: Isotropic		2dBi
Compared to $\frac{1}{4}$ wave		0dB
Isolation		>15dB (excluding cable loss)
Pattern		Omni-directional
Polarisation		Vertical
Impedance		50 Ω
Max Input Power		25W
MECHANICAL DATA		
Dimensions	Height	50mm (1.97")
	Length	102mm (4")
Operating Temp		-30° / +70°C (-22° / +158°F)
Material		ASA Plastic
Weight		712g
MOUNTING DATA		
Mounting Type		Bolt Mount
Hole Size		19mm (3/4")
CABLE DATA		
Cable Type		CS32
Length		3m/9.8'
Termination		Reverse Polarity SMA Plug

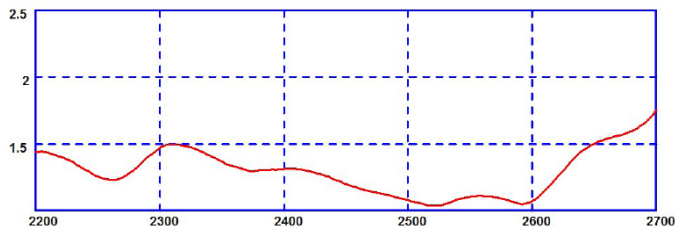
Sierra Wireless
AIRLINK® ANTENNA:
3-IN-1 WI-FI INTERNAL

TECHNICAL DRAWING

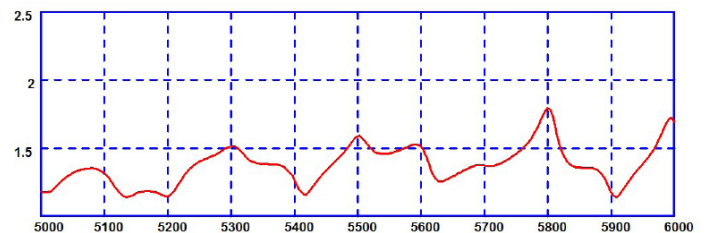


VSWR

Typical VSWR WIFI elements 2.4GHz*

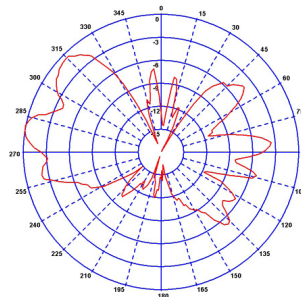


Typical VSWR WIFI elements 5GHz*

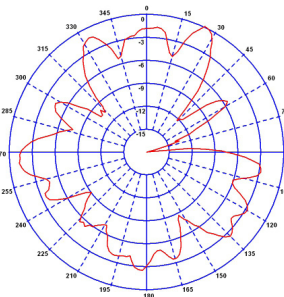


*VSWR & patterns measured with 5m of CS32 Cable in free space.

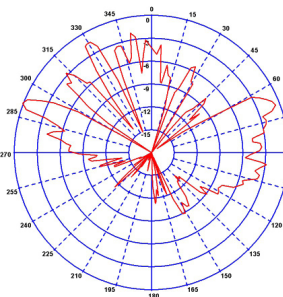
Typical E-Plane (2450MHz)



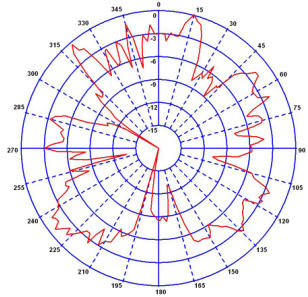
Typical H-Plane (2450MHz)



Typical E-Plane (5850MHz)



Typical H-Plane (5850MHz)



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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