



## Sierra Wireless Antenna – 5-in-1 Dome

The 5-in-1 Dome is a custom single antenna solution for the RV55 Dual Wi-Fi, tested and certified for mobile application.

The antenna has a low-profile design that contains five isolated high performance antenna elements in a single housing for optimal coverage; two ultra-wideband elements spanning 617-6000MHz; a high performance GNSS antenna with an integrated 26dB gain LNA; and two dual band 2.4/5GHz omni-directional Wi-Fi elements.

		Specification	
<b>PART NO.</b>		6001275	
<b>ELECTRICAL DATA</b>			
<b>Frequency Range</b>	3G/4G Elements	617-960MHz / 1710-6000	
	Wi-Fi Elements	2.4/4.9-6GHz	
<b>Peak gain: Isotropic*</b>	3G/4G Elements	617-960MHz	4dBi
		1710-3800MHz	8dBi
	Wi-Fi Elements	4900-6000MHz	9dBi
		2.4 GHz	9dBi
	4.9-6.0GHz	9dBi	
<b>Isolation*</b>	3G/4G Elements	> 15dB	
	Wi-Fi Elements	> 18dB	
<b>Typical Efficiency</b>	3G/4G Elements	> 50%	
	Wi-Fi Elements	> 70%	
<b>Correlation Co-efficient</b>	3G/4G Elements	<0.2	
<b>Pattern</b>	Omni-directional		
<b>Impedance</b>	50Ω		

\*Simulated off a groundplane and does not include cable attenuation

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>		1562-1612MHz
<b>VSWR</b>		<2.1 ± 4MHz
<b>Gain: LNA</b>		26dB
<b>Typical Noise Figure</b>		-2.7dB
<b>Operating Voltage</b>		3-5V DC
<b>Typical Current</b>		15mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	Height	80mm (3.1")
	Diameter	180mm (7.1")
<b>Operating Temp</b>		-40° / +80° C (-40° / +176° F)
<b>Colour</b>		Black
<b>Ingress Protection</b>		IP69K
<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>	Type	C32
	Length	5m (16')
	Termination	SMA (m)
<b>GPS Cable</b>	Type	CS29
	Length	5m (16')
	Termination	SMA (m)
<b>Wi-Fi Cables</b>	Type	C32
	Length	5m (16')
	Termination	RP-SMA Plug

### About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

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