



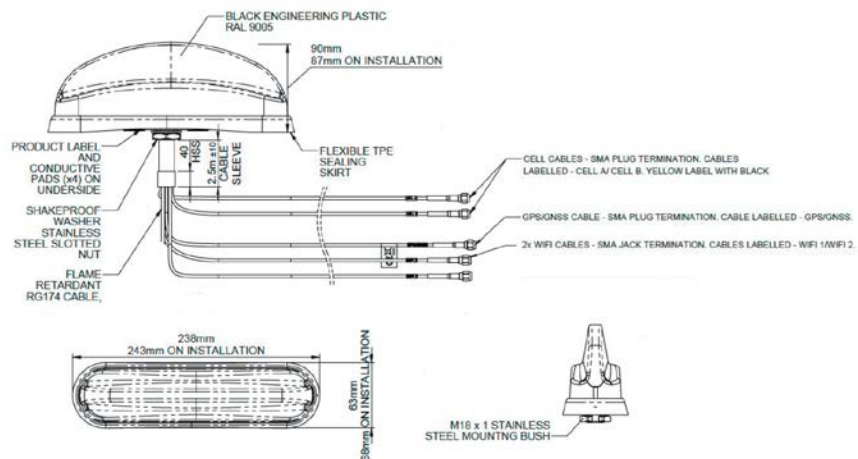
Sierra Wireless Antenna – 5-in-1 Panel

The 5-in-1 Panel has been tested and certified to provide LTE and Wi-Fi antenna functionality for AirLink routers and gateways. The compact, robust low profile housing is ground plane independent, weatherproof and contains two antenna elements with effective isolation and correlation covering all current global cellular bands in frequency ranges 617–960/1427–6000MHz as well as an active GNSS antenna with advanced filtering for LTE Band 13/14 operation and 2 dual-band Wi-Fi elements.

		Specification	
PART NO.		6001455 (2m)	
ELECTRICAL DATA			
Frequency Range	3G/4G Elements	617–960 / 1427–6000MHz	
	GNSS	1562–1612MHz	
	Wi-Fi Elements	2.4 / 4.9–6GHz	
Peak gain: Isotropic*	Cellular	617–960MHz	5dBi
		1427–3800MHz	8dBi
	Wi-Fi	4900–7200MHz	11dBi
		5dBi / 11dBi	2.4GHz / 5GHz
Isolation	Cellular	> 12dB	
	Wi-Fi	> 15dB	
Correlation Coefficient	Cellular	< 0.2	
Pattern	Omni-directional		
Nominal Impedance	50Ω		
Max Input Power	10W		
GNSS DATA			
Frequency Range	1562–1612MHz		
VSWR	<2.1 ± 4MHz		
LNA Gain	26dB		
Polarisation	Right Hand Circular		
Operating Voltage	3–5VDC		
Current	Typical <20mA		

*Peak gain simulated off a groundplane and does not include cable attenuation

MECHANICAL DATA		Specification
Dimensions	Height	90mm (3 ½")
	Length	238mm (9 ¾")
	Width	63mm (2 ½")
Operating Temp		-40° / +80° C (-40° / 176° F)
Material		Silicone Rubber, Aluminium Alloy
Color		Black
IP Rating		IP69K
MOUNTING DATA		
Mounting Type		19mm (¾") bolt mount
CABLE DATA		
Cell / LTE Cable	Cable Type	RG174
	Length	2m (6' 6 ¾")
	Termination	SMA Plug
GPS Cable	Cable Type	RG174
	Length	2m (6' 6 ¾")
	Termination	SMA Plug
Wi-Fi Cable	Cable Type	RG174
	Length	2m (6' 6 ¾")
	Termination	RP-SMA Jack
TECHNICAL DRAWING		



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.

For more information, visit www.sierrawireless.com.