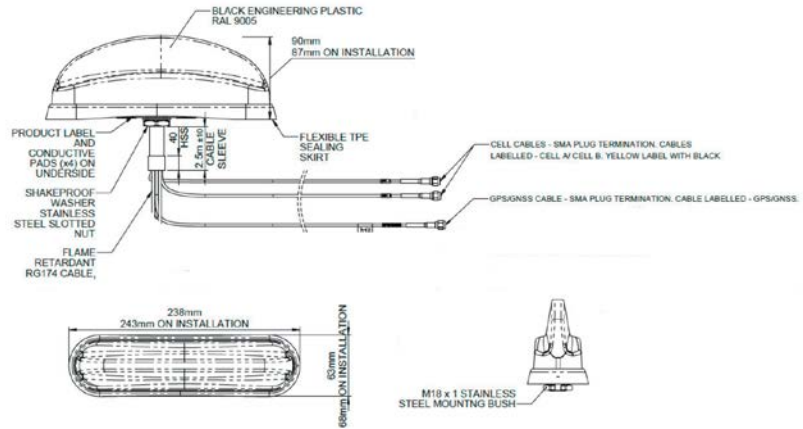# Sierra Wireless Antenna – 3-in-1 Panel 5G

The 3-in-1 Panel has been tested and certified to provide LTE antenna function 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 ideally suited for IoT applications.

		Specification	
PART NO.			
		6001454 (2m)	
ELECTRICAL DATA			
Frequency Range	3G/4G Elements	617–960 / 1427–6000MHz	
	GNSS	1562–1612MHz	
Peak gain: Isotropic*	Cellular	617–960MHz	5dBi
		1427–3800MHz	8dBi
		4900–6000MHz	9dBi
Isolation	Cellular	> 12dB	
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	
MECHANICAL DATA			
Dimensions	Height	90mm (3 ½")	
	Length	238mm (9 ⅜")	
	Width	63mm (2 ½")	
Operating Temp		-40° / +80°C (-40° / 176°F)	
Material		Silicone Rubber, Aluminum Alloy	
Color		Black	
IP Rating		IP69K	

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

	Specification
MOUNTING DATA	
Mounting Type	19mm (¾") bolt mount
CABLE DATA	

	Cable Type	RG174
Cell / LTE Cable	Length	2m (6' 6 ¾")
	Termination	SMA Plug
	Cable Type	RG174
GPS Cable	Length	2m (6' 6 ¾")
	Termination	SMA Plug

| **TECHNICAL DRAWING** | |

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