



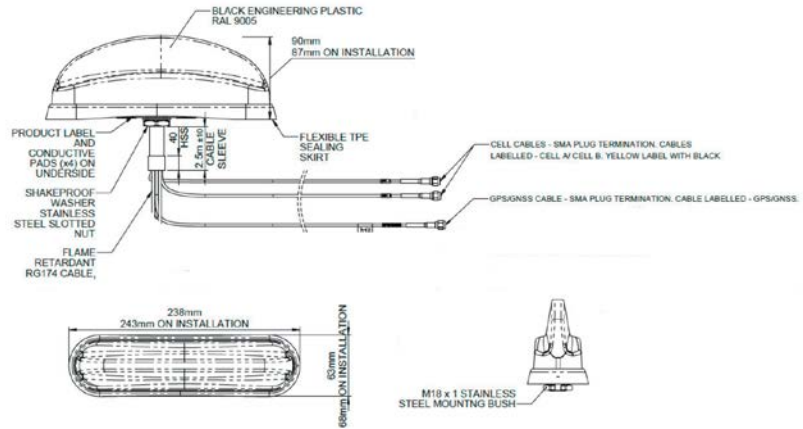
## Sierra Wireless Antenna – 3-in-1 Panel 5G

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                   |      |
|--------------------------------|----------------|---------------------------------|------|
| <b>PART NO.</b>                |                | 6001454 (2m)                    |      |
| <b>ELECTRICAL DATA</b>         |                |                                 |      |
| <b>Frequency Range</b>         | 3G/4G Elements | 617–960 / 1427–6000MHz          |      |
|                                | GNSS           | 1562–1612MHz                    |      |
| <b>Peak gain: Isotropic*</b>   | Cellular       | 617–960MHz                      | 5dBi |
|                                |                | 1427–3800MHz                    | 8dBi |
|                                |                | 4900–6000MHz                    | 9dBi |
| <b>Isolation</b>               | Cellular       | > 12dB                          |      |
| <b>Correlation Coefficient</b> | Cellular       | < 0.2                           |      |
| <b>Pattern</b>                 |                | Omni-directional                |      |
| <b>Nominal Impedance</b>       |                | 50Ω                             |      |
| <b>Max Input Power</b>         |                | 10W                             |      |
| <b>GNSS DATA</b>               |                |                                 |      |
| <b>Frequency Range</b>         |                | 1562–1612MHz                    |      |
| <b>VSWR</b>                    |                | <2.1 ± 4MHz                     |      |
| <b>LNA Gain</b>                |                | 26dB                            |      |
| <b>Polarisation</b>            |                | Right Hand Circular             |      |
| <b>Operating Voltage</b>       |                | 3–5VDC                          |      |
| <b>Current</b>                 |                | Typical <20mA                   |      |
| <b>MECHANICAL DATA</b>         |                |                                 |      |
| <b>Dimensions</b>              | Height         | 90mm (3 ½")                     |      |
|                                | Length         | 238mm (9 ⅜")                    |      |
|                                | Width          | 63mm (2 ½")                     |      |
| <b>Operating Temp</b>          |                | -40° / +80°C (-40° / 176°F)     |      |
| <b>Material</b>                |                | Silicone Rubber, Aluminum Alloy |      |
| <b>Color</b>                   |                | Black                           |      |
| <b>IP Rating</b>               |                | IP69K                           |      |

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

|                   |             | Specification        |
|-------------------|-------------|----------------------|
| 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             |
| 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](http://www.sierrawireless.com).