

The Revie Flex (EFF6925A3S) is a flexible PCB antenna for use in LTE CAT M1 and NB-IoT devices. The antenna is optimized for use when mounted to plastic via the supplied adhesive backing. This antenna operates within 698-875 MHz and 1710-2500 MHz with excellent radiation performance. The high efficiency ensures reliable connection in a variety of integration environments.

FEATURES AND BENEFITS

- Ground plane independent
- Optimized for LTE CAT M1 and NB-IoT
- Wide bandwidth, pairs with all radios in specified frequency range
- Excellent efficiency: >51%
- Easy peel-and-stick Integration
- Alternative connectors and cable lengths available

ELECTRICAL SPECIFICATIONS

| Laird Part Number | EFF6925A3S | |
|------------------------------|------------|-------------|
| Operating Frequency (MHz) | 698 - 875 | 1710 - 2500 |
| Number of Ports | 1 | 1 |
| VSWR – Max | 2.5:1 | 2.5:1 |
| Gain (dBi) | 1.9 | 3.7 |
| Efficiency (%)* | 51 | 80 |
| Nominal Impedance (Ohms) | 50 | 50 |
| Max Power - Ambient 25°C (W) | 5 | 5 |
| Polarization | Linear | |

* A minimum cable length of 153 mm is required to achieve the stated efficiency.

MECHANICAL SPECIFICATIONS

| Dimensions – diameter x height – mm (inches) | 90 x 20 x 0.16 (3.54 x 0.79 x 0.006) |
|--|--------------------------------------|
| Cable Type | 1.13 mm |
| Connector | IPEX MHF1 (u.FL) |
| Cable Length mm | 153 |
| Adhesive Type | 3M 467MP |

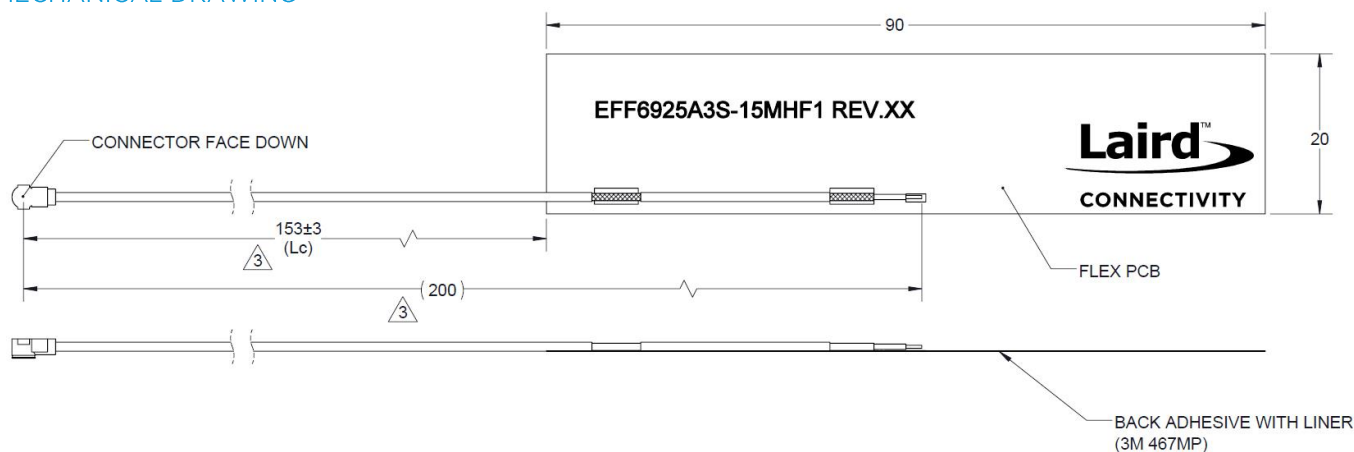
ENVIRONMENTAL SPECIFICATIONS

| Operating Environment (Indoor or Outdoor) | Integrated/embedded |
|---|---------------------|
|---|---------------------|

CONFIGURATION

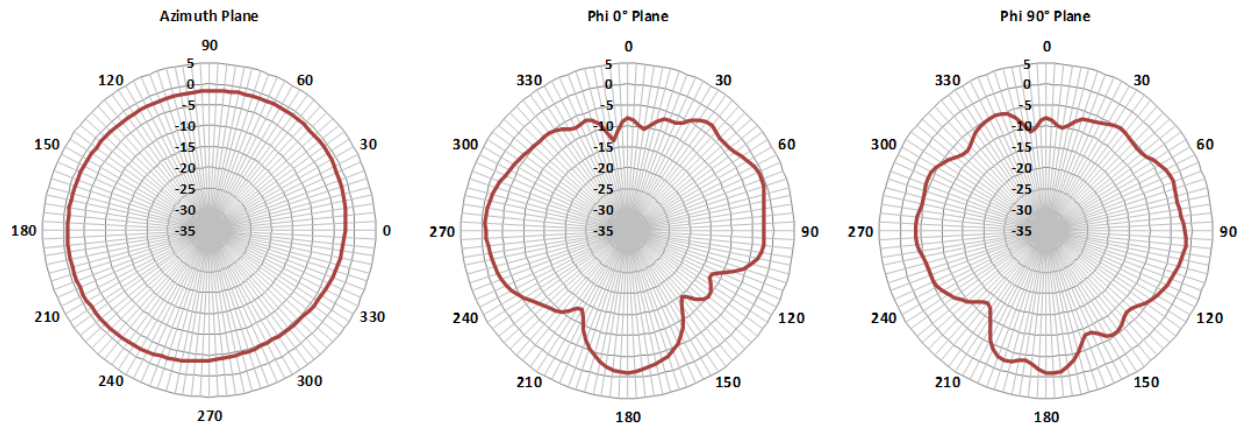
| PART NUMBER | CABLE LENGTH | CONNECTOR |
|-------------------|--------------|------------------|
| EFF6925A3S-15MHF1 | 153 | IPEX MHF1 (u.FL) |

MECHANICAL DRAWING

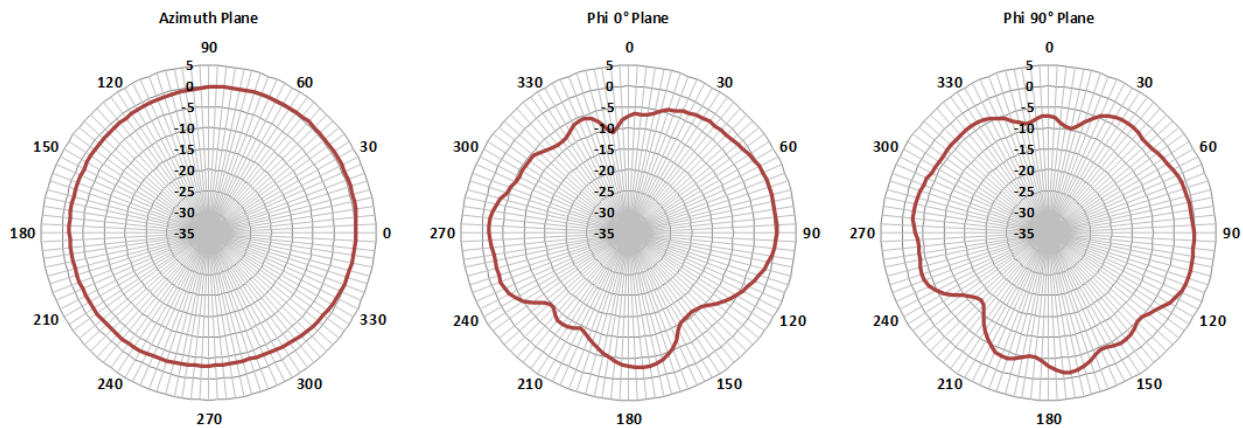


RADIATION PATTERNS

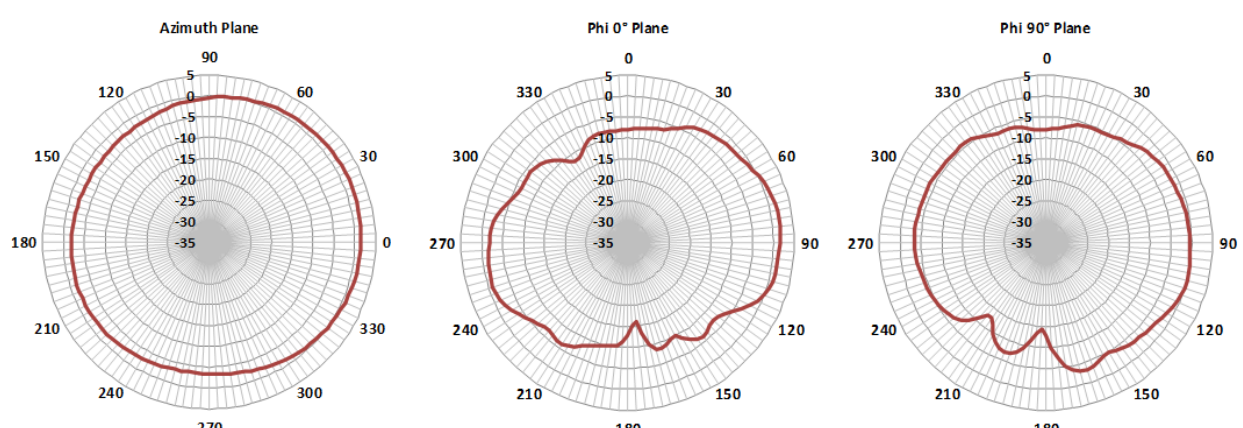
698 MHz



746 MHz

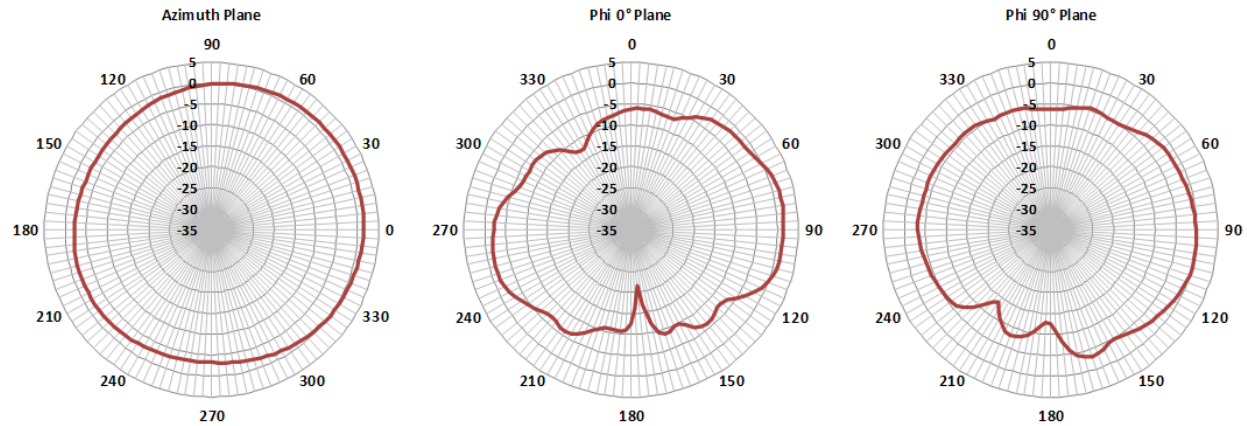


787 MHz

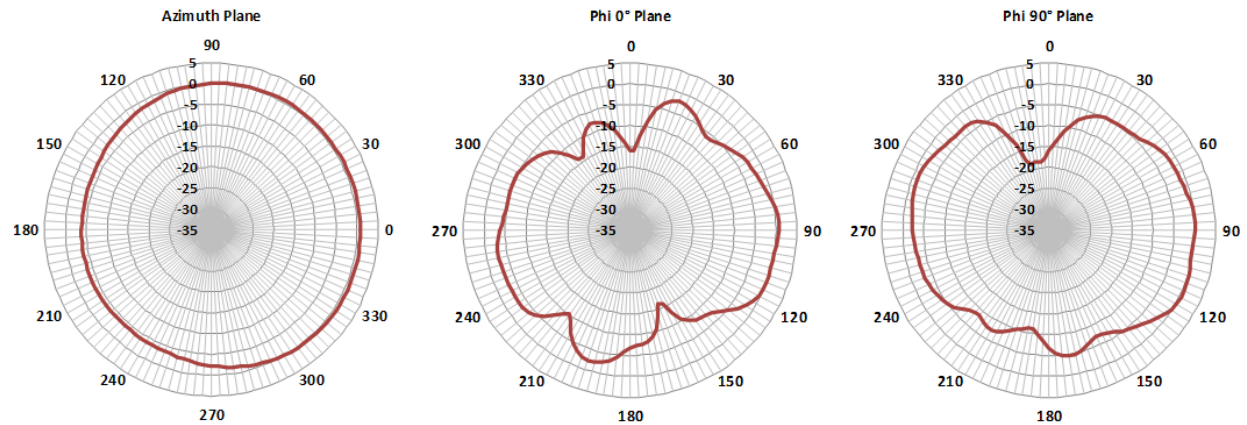


RADIATION PATTERNS

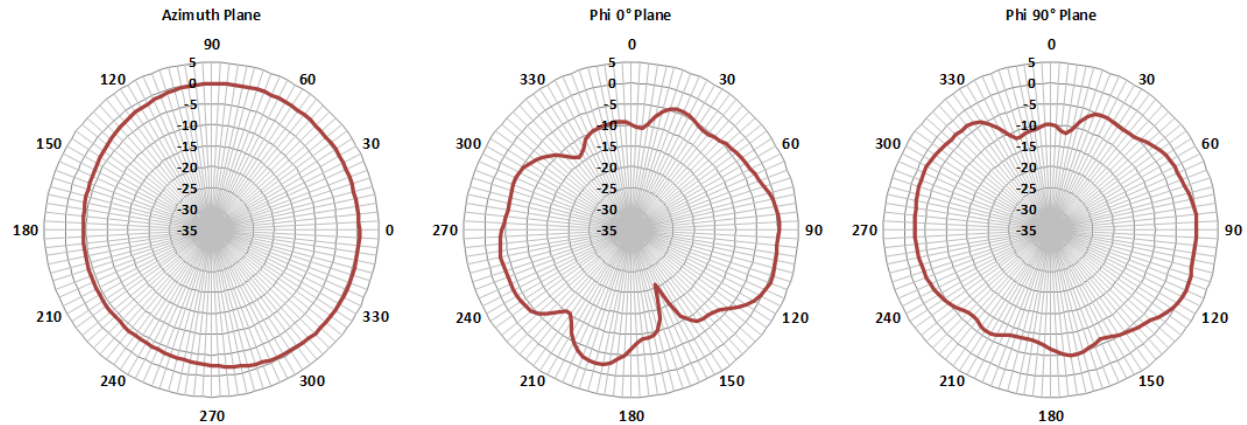
793 MHz



862 MHz

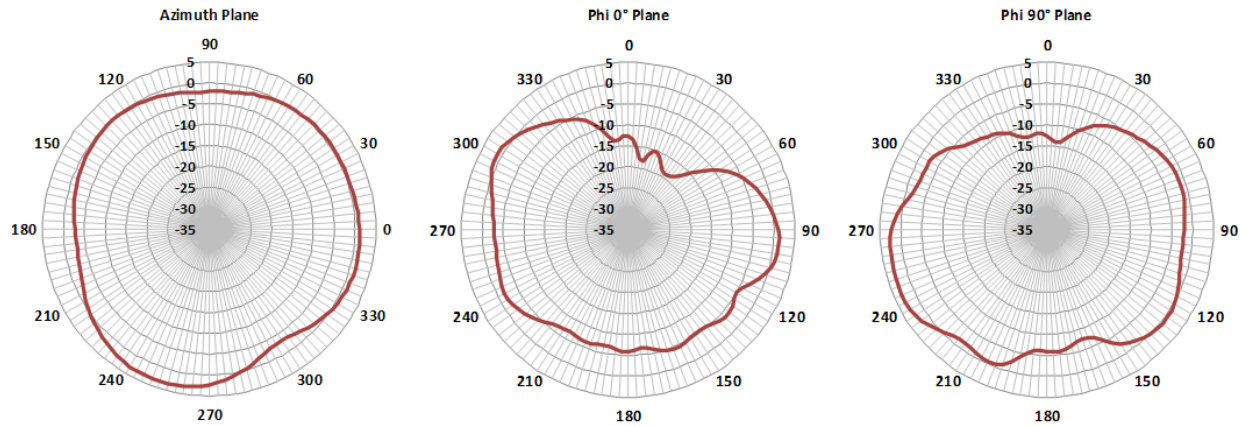


875 MHz

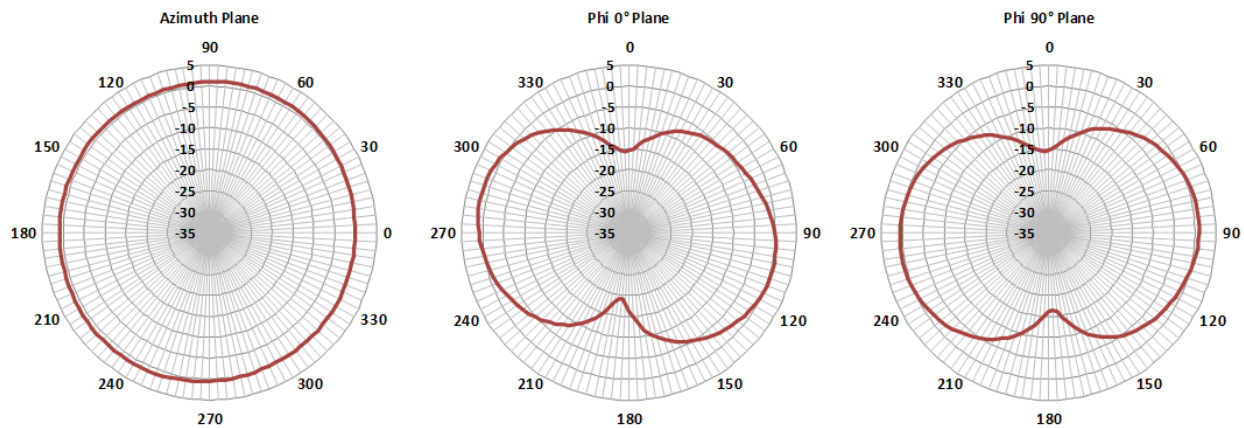


RADIATION PATTERNS

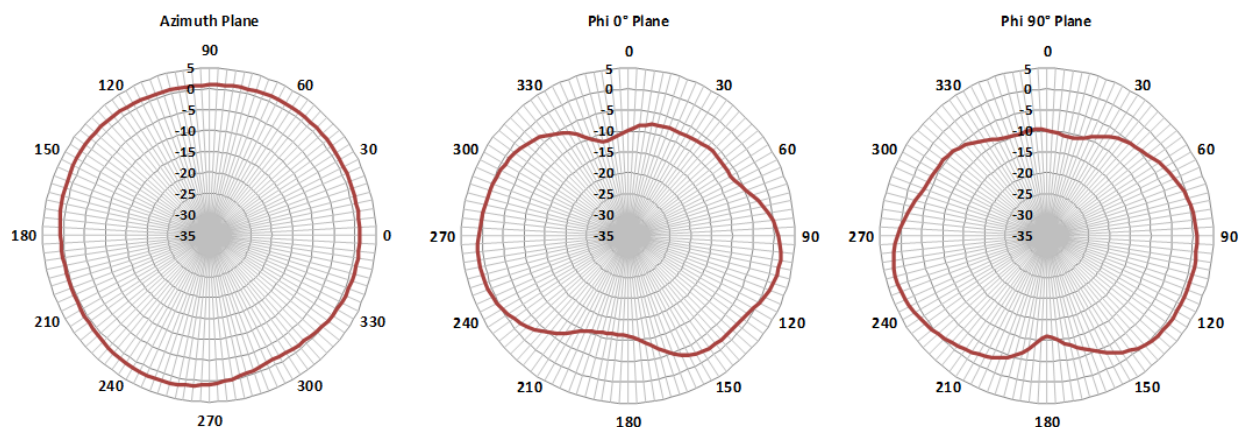
1710 MHz



1850 MHz

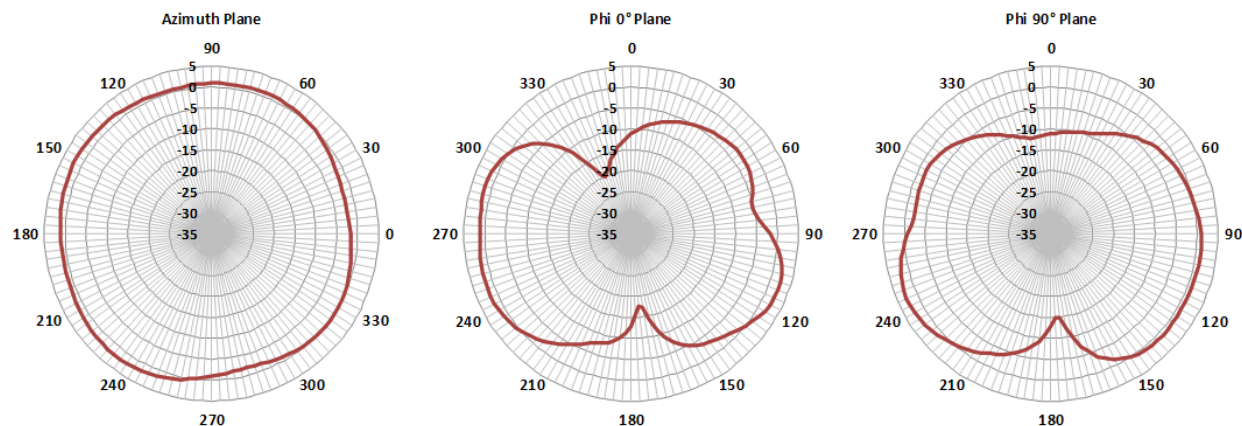


1990 MHz

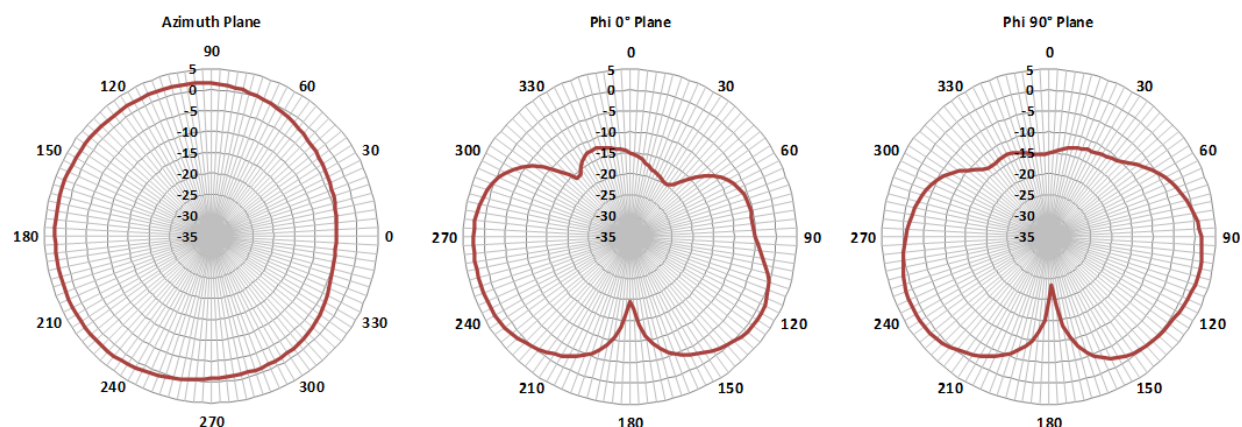


RADIATION PATTERNS

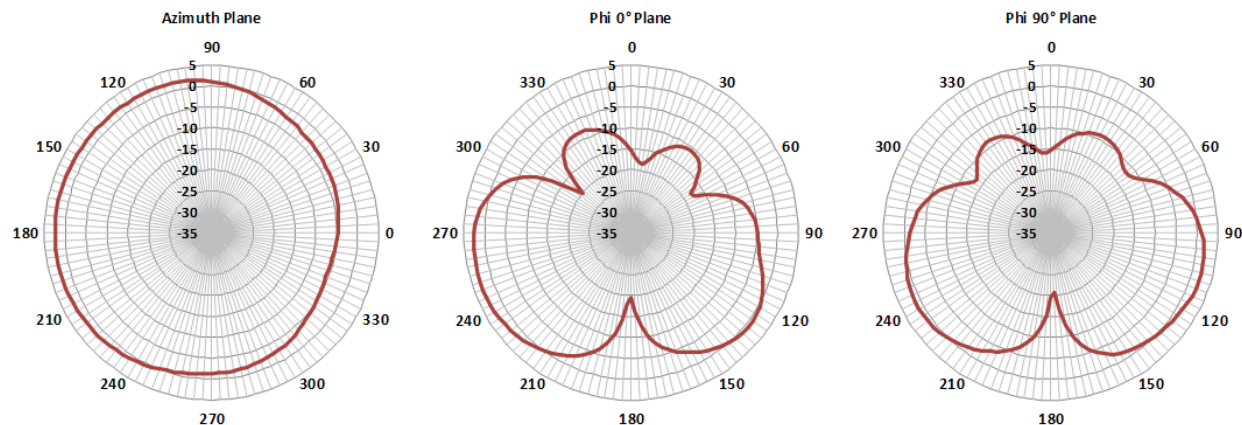
2155 MHz



2400 MHz



2500 MHz



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sales@lairdconnect.com
support@lairdconnect.com
www.lairdconnect.com

