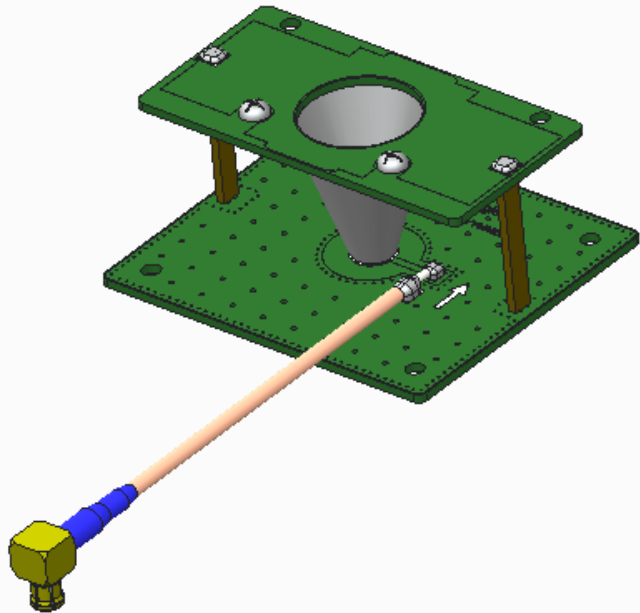


eROU Ant2

- LTE Middle / High-Band Antenna

Data Sheets



AWAVE

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1. AWAVE eROU Ant2 Antenna

The AWAVE eROU Ant2 is an LTE Middle/High-Band antenna that operates in 1695-2690 MHz band. It provides high efficient radiation with good cost benefit. The antenna can be mounted on a customer device by 4 screws and connected to the radio through a MCX connector.

2. Features

- Operates in 1695~2690 MHz bands
- Peak gain : 1.8~4.9dBi
- High efficiency
- MCX (Right angle) connector interface
- Mounted by 2 screws on a metal surface

3. Specifications and Interface

| | |
|--------------------|--|
| Standard | LTE Middle/High-Band |
| Frequency Range | 1695~2690 MHz |
| Peak Gain | 1.8~4.9 dBi |
| VSWR | 2:1 |
| Feed Impedance | 50Ω |
| Power Handling | 30 dBm |
| Interface | MCX (Right angle) |
| Antenna Dimensions | 44.72 mm x 37.89 mm x 19.00 mm (L x W x T) |
| Weight | 10.83 g |
| Temperature Range | Operating: -20° C to +60° C (-4° F to +140° F) Storage: -20° C to +60° C (-4° F to +140° F) |
| Humidity Range | Operating: 10% to 85% non-condensing Storage: 5% to 90% non-condensing |

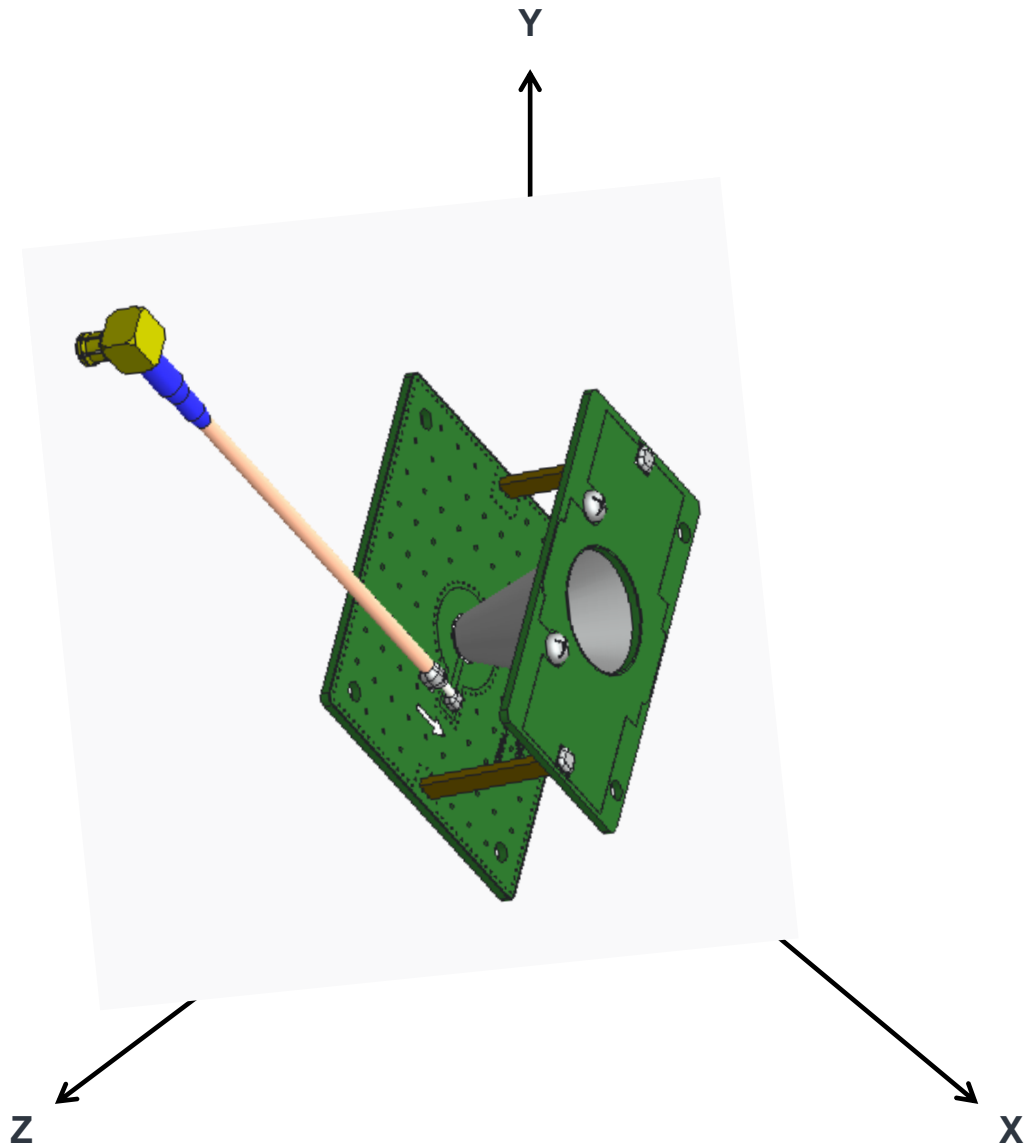
4. Return Loss



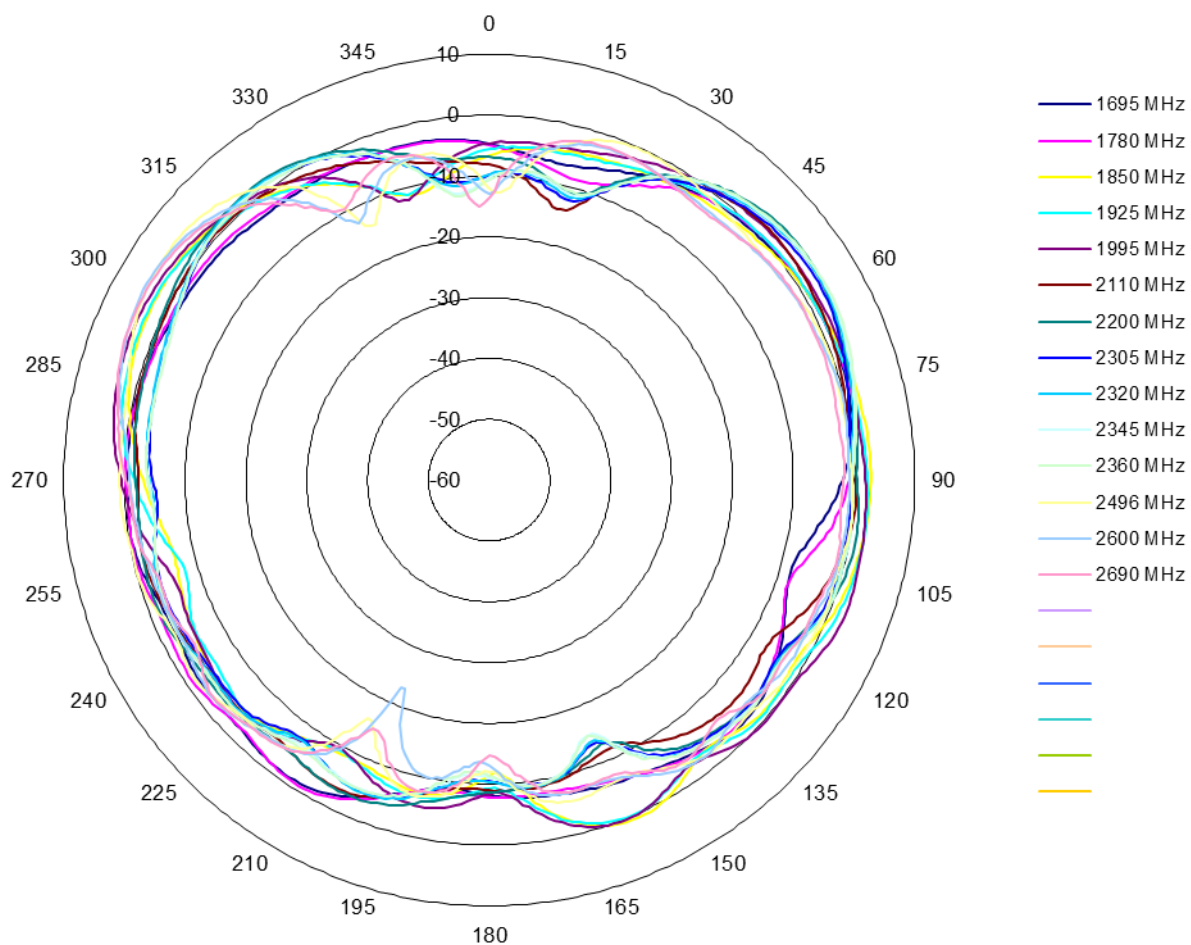
5. Peak Gain and Efficiency

| Frequency (MHz) | Peak Gain (dBi) | Efficiency (dB) | Efficiency (%) |
|--------------------|--------------------|--------------------|-------------------|
| 1695 | 1.86 | -1.43 | 71.9 |
| 1780 | 1.99 | -1.22 | 75.6 |
| 1850 | 2.90 | -1.53 | 70.4 |
| 1925 | 2.28 | -1.54 | 70.1 |
| 1995 | 3.30 | -0.62 | 86.6 |
| 2110 | 2.65 | -1.48 | 71.1 |
| 2200 | 4.86 | -0.32 | 92.9 |
| 2305 | 4.15 | -1.30 | 74.2 |
| 2320 | 4.70 | -0.84 | 82.4 |
| 2345 | 4.85 | -0.81 | 82.9 |
| 2360 | 4.97 | -0.73 | 84.5 |
| 2496 | 4.52 | -1.39 | 72.6 |
| 2600 | 4.80 | -1.81 | 65.9 |
| 2690 | 4.40 | -2.22 | 60.0 |

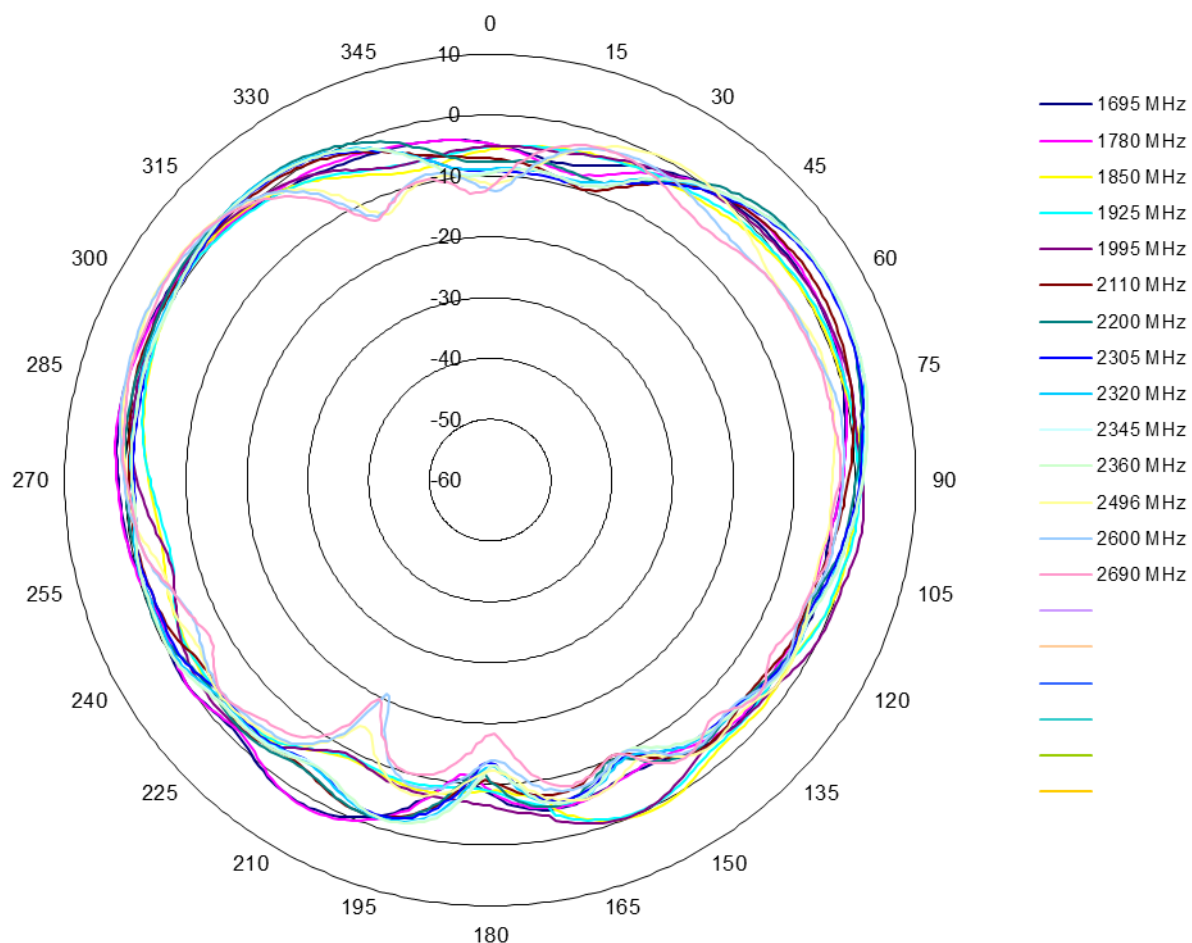
6. Radiation Patterns



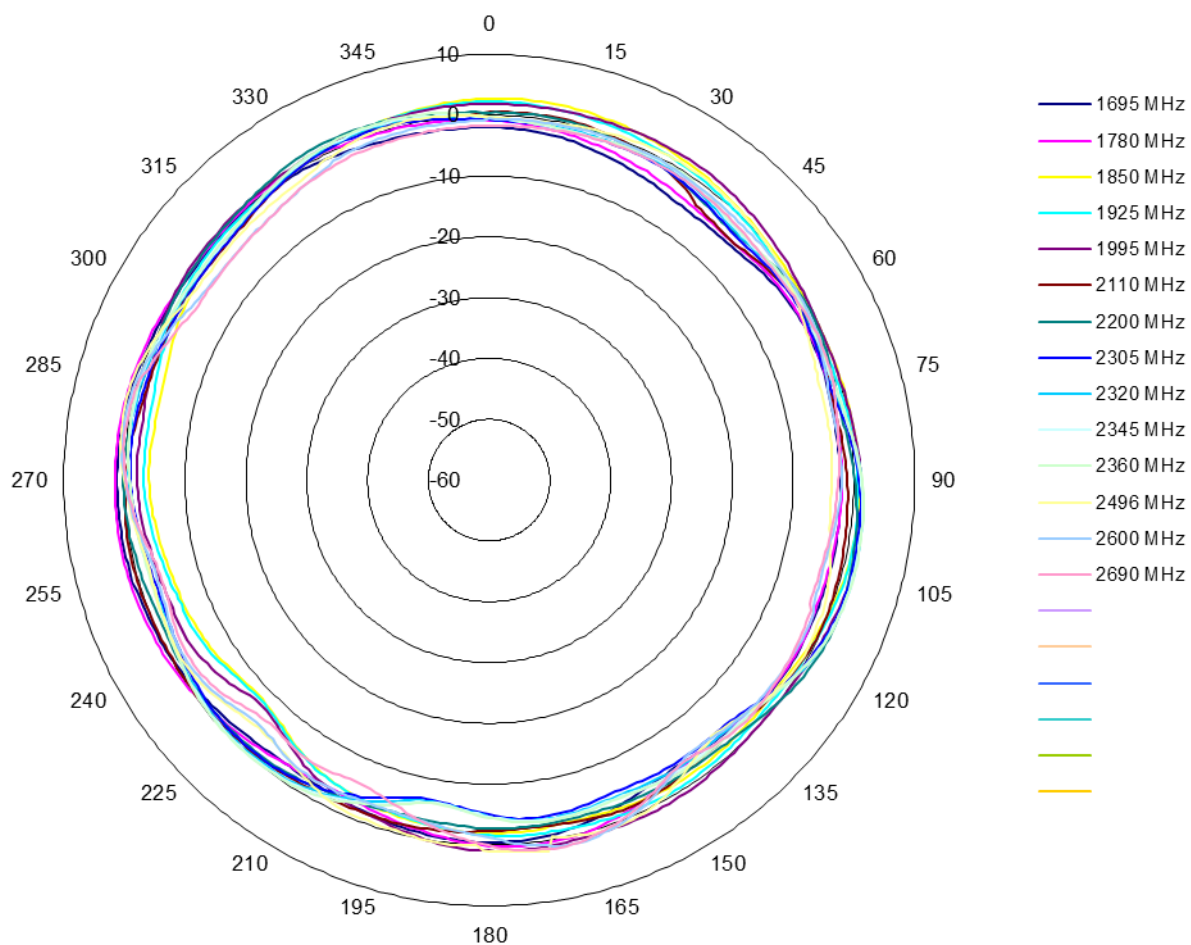
E1-Plane



E2-Plane



H-Plane



7. Antenna Dimensions

