

# 698-960/1710-2700MHz 2/4dBi LTE Omni Antenna with 3/8" Diameter Bushing



Ventev's 698-2700 MHz 2/4dBi omnidirectional surface-mount LTE antenna is designed for outdoor IoT remote monitoring and Mobile networks operating primarily in the 698-960/1710-2700 MHz bands. The antenna's 3/8" bushing allows it to insert into reclosers and other standard outdoor enclosures without enlarging the mounting holes. The unterminated leads allow insertion of the two leads through the 3/8" hole and are typically terminated in a workshop or in the field. The two leads provide connections for primary and diversity antenna ports found on many popular cellular modems.

*Every Ventev antenna is covered by the company's two-year warranty program.*

**For more information or to purchase, contact Ventev:** 800.851.4965 or [sales@ventev.com](mailto:sales@ventev.com).

## SPECIFICATIONS

SKU: 254058

Model: M3020040O2D1818SG

Frequency Range MHz: 698-960 / 1700-2700

Average Peak Gain dBi: 1 / 2.5

Horizontal Beamwidth: 360

Vertical Beamwidth: 65

VSWR: 2.5:1

Polarization: Vertical

Max Power Watts: 50

Connector: 2x unterminated leads, 72"

Dimensions: 3.5" H x 1.75" W

Weight: 1.5 lbs.

Radome Color: Black

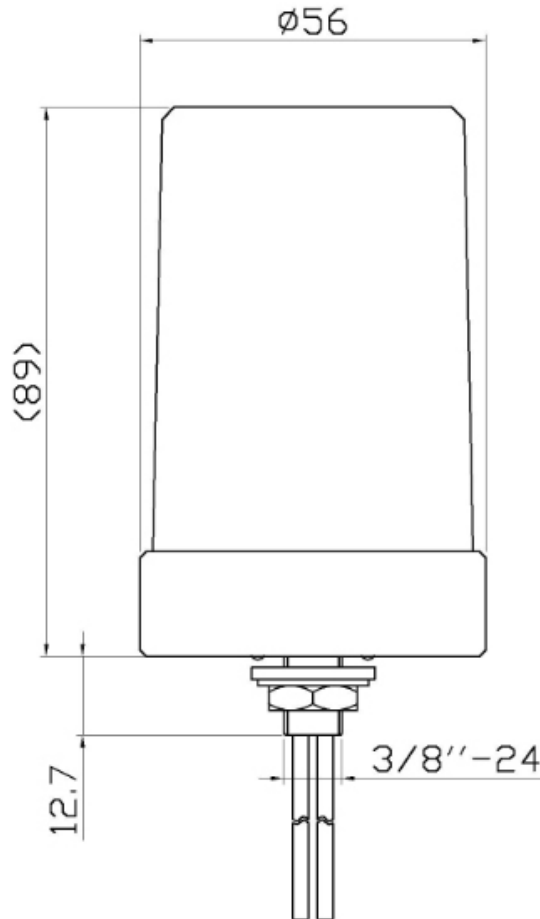
Mount Method: Surface Mount

Ground Plane: Required for Optimal Performance

Operating Temperature: -40° to +140°

IP Rating: IP-65

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## Mounting and Termination Instructions:

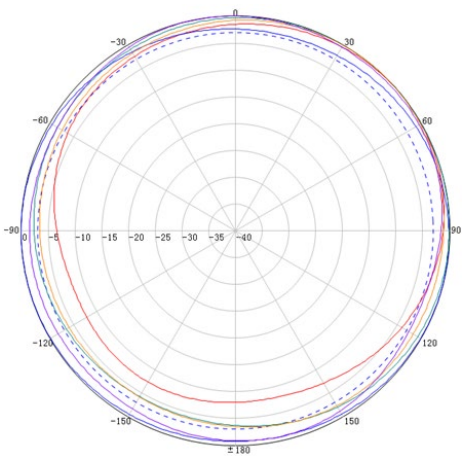
Note: These instructions assume the antenna is being mounted to a flat metal surface.

- Remove and retain the mounting nut.
- Lower the 7' leads through the mounting hole.
- Set the antenna flat on the mounting surface.
- Install and tighten the mounting nut on the underside of the mounting surface.
- Terminate the connectors (sold separately) onto the antenna leads according to the connector manufacturer's recommendations.

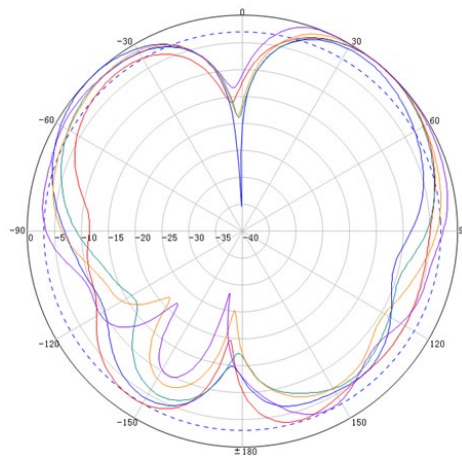
Optional: Place a small bead of silicone sealant around the edge of the antenna where it sits atop the mounting surface.

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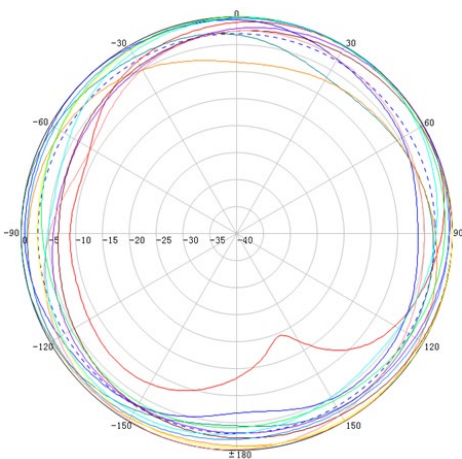
## Port 1



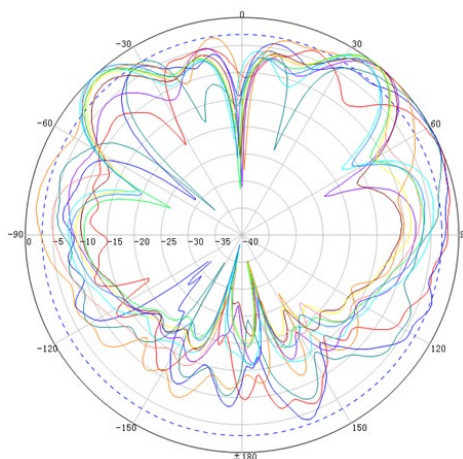
H Plane 698~960MHz



E Plane 698~960MHz



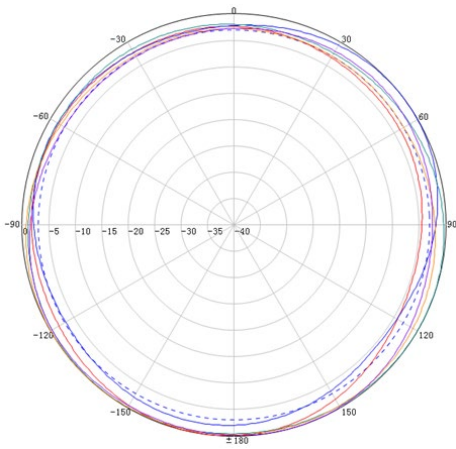
H Plane 1700~2700MHz



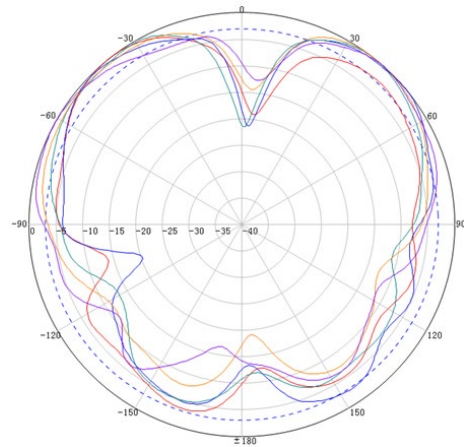
E Plane 1700~2700MHz

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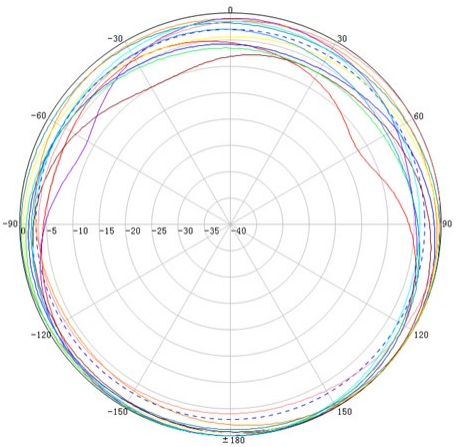
## Port 2



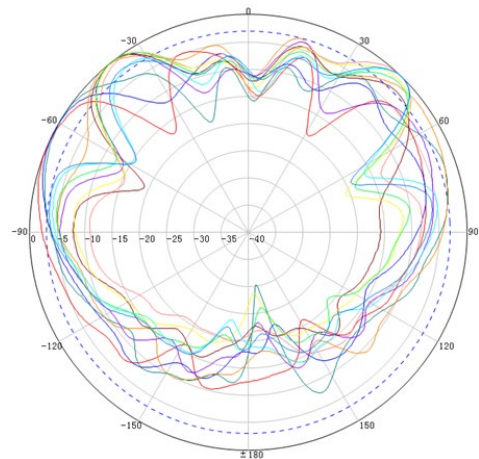
H Plane 698~960MHz



E Plane 698~960MHz



H Plane 1700~2700MHz



E Plane 1700~2700MHz