

# ANTENNA MODEL 3164-08



## MODEL 3164-08

- 700 MHz to 10 GHz Frequency Range
- Linear or Circular Polarization (With Hybrid)
- Low VSWR with Improved Gain
- Compact Design
- Flexible Mounting Schemes
- Standard Tripod Mounting Flange
- Optional Wall Mounting Plate

**ETS-Lindgren's Model 3164-08 Open Boundary Quad-Ridged Horn's** open boundary design makes this antenna unique in both appearance and performance. Because of excellent gain and improved VSWR, the 3164-08 replaces former models 3164-04 and 3164-07.

### Features

Numerically modeled, the Model 3164's open boundary design is similar to two double-ridged waveguide antennas placed orthogonally to each other. With its highest gain in the 5.8 GHz range, this antenna is ideal for WiMAX testing.

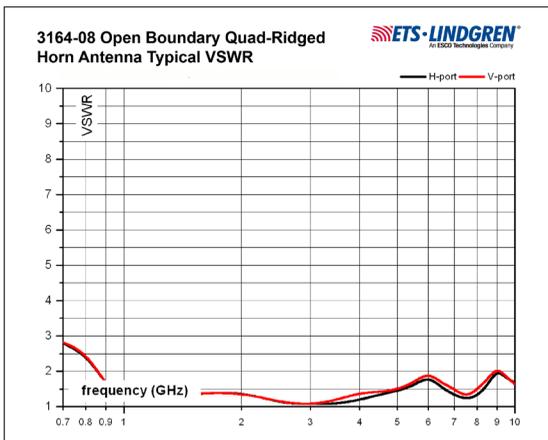
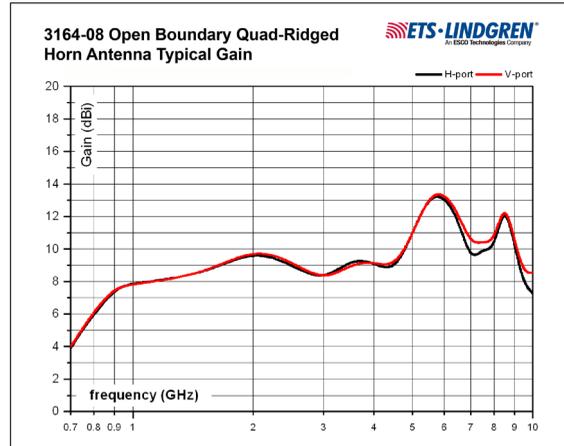
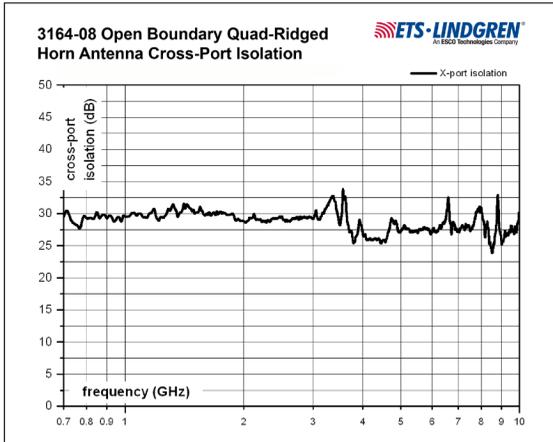
Additional applications include UWB wireless testing (3 GHz - 10 GHz) and lower frequency testing (700 MHz - 3 GHz) for GSM, PCS, Wi-Fi, etc. applications. The 3164-08's compact design makes it ideal for use as both a tripod mounted or wall mounted antenna.

Should a wall mount be desired, an optional wall mounting plate can be ordered, and helps to maintain shielding integrity in the chamber. Calibrated at 10 m per ANSI C63.5, the Model 3164-08 has actual Antenna Factors and a signed Certificate of Conformance included with the antenna.

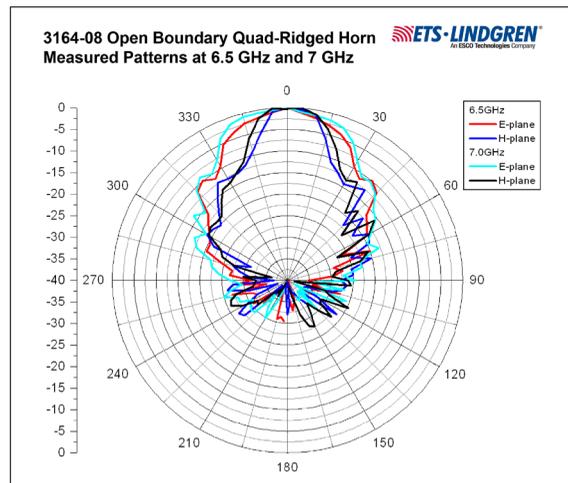
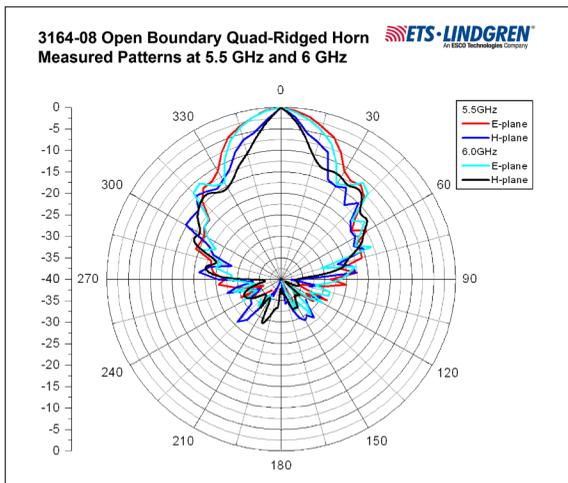
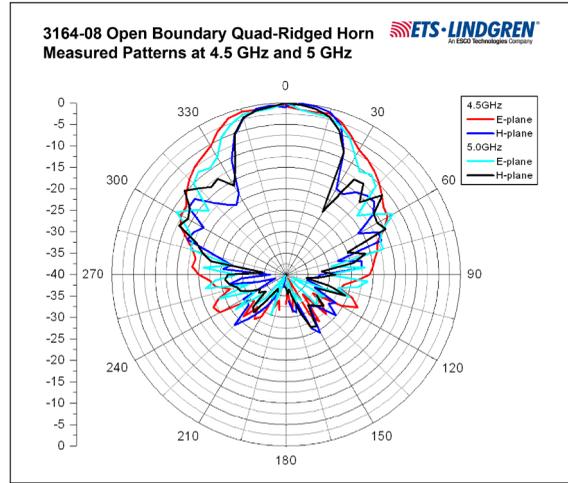
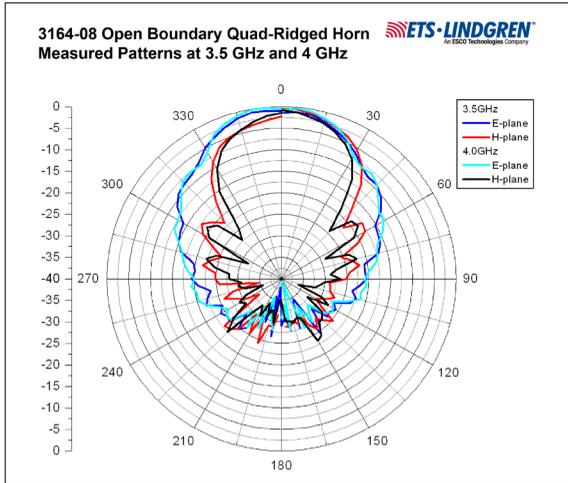
### Technical Specifications

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Frequency Minimum            | 700 MHz                          |
| Frequency Maximum            | 10 GHz                           |
| Impedance (Nominal)          | 50                               |
| Maximum Continuous Power     | 100 W at 700 MHz; 20 W at 10 GHz |
| Cross Polarization Isolation | >20 dB                           |
| Pattern Type                 | Directional                      |
| Max VSWR                     | < 3:1                            |
| Polarization                 | Dual Linear                      |
| Physical                     |                                  |
| Height                       | 36.07 cm (14.20 in)              |
| Width                        | 36.07 cm (14.20 in)              |
| Depth                        | 36.58 cm (14.40 in)              |
| Weight                       | 5.1 kg (11.24 lb)                |

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