

# ANTENNA MODEL 3164-10



## MODEL 3164-10

- 400 MHz to 10 GHz Frequency Range
- Excellent Gain Over Entire Range
- Dual Polarization
- Compact, Lightweight Design

**ETS-Lindgren's Model 3164-10 Open Boundary Quad-ridged Horn Antenna's** design makes this antenna unique in both appearance and performance. Designed to measure wireless devices for Over-The-Air (OTA) performance, this unit features excellent gain, with low VSWR. Numerically modeled, the 3164s open boundary design is similar to two double-ridged waveguide antennas, placed orthogonally to each other, providing the ability to measure the two principal components of a radiating electric field.

### Excellent Gain

The Model 3164-10 has excellent gain characteristics across the frequency range.

### Dual Linear Polarization

The two-input design allows for the generation (or sensing) of two orthogonal linear polarized signals. With the incorporation of an optional 90° hybrid, this antenna can also generate (or sense) circularly polarized signals.

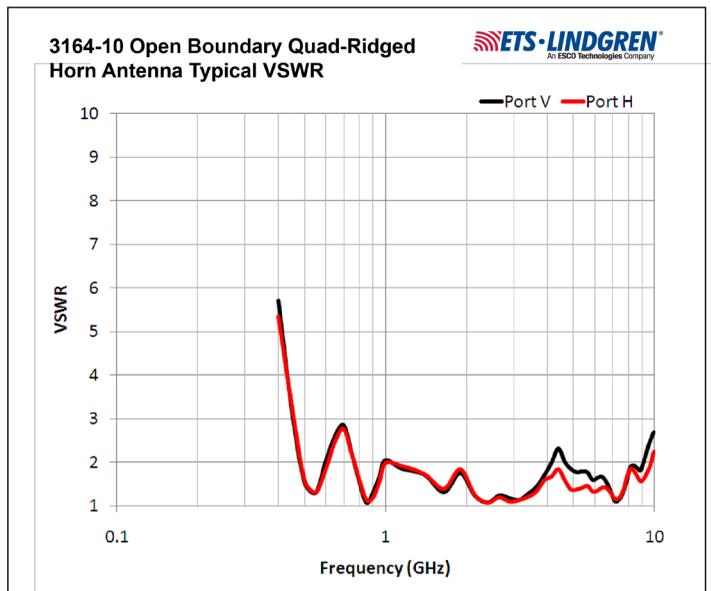
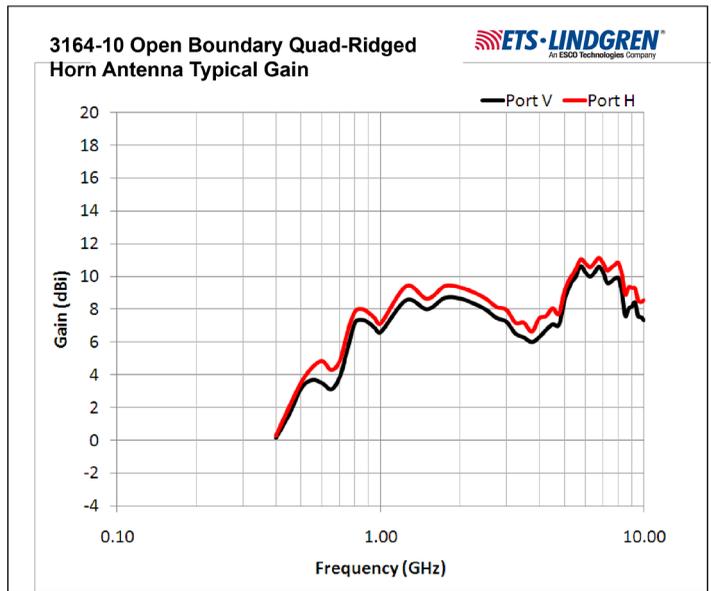
### Compact, Lightweight Design

The 3164-10's compact, lightweight design makes it ideal for use as both a tripod or wall mounted antenna.

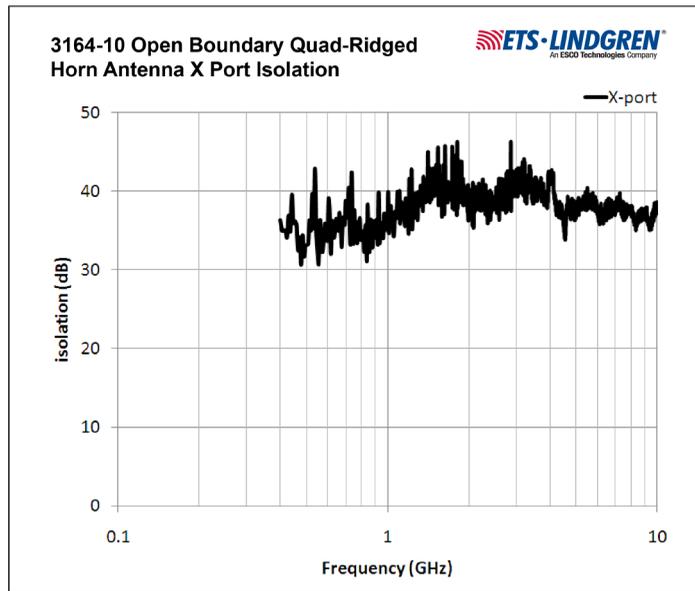
### Technical Specifications

Electrical	
Frequency Minimum	400 MHz
Frequency Maximum	10 GHz
Impedance (Nominal)	50
VSWR	5:1 (Maximum), 1.75:1 (Average)
Maximum Continuous Power	100 W @ 400 MHz; 20 W @ 10 GHz
Pattern Type	Directional
Cross Polarization Isolation	-25 dB
Polarization	Dual Linear
Connectors	(2) Type SMA Female
Physical	
Aperture Height	36.07 cm (14.20 in)
Aperture Width	36.07 cm (14.20 in)
Depth	36.58 cm (14.40 in)
Length	36.58 cm (14.40 in)

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