Web: http://TVTOWER.COM
Phone: 888-828-8775

PMI-5900PAR-Grid-2-G 2 GHz, 5 Foot ENG/STL Galvanized GRID ANTENNA for LONG RANGE Receive & TRANSMIT (up to 50 watts) Price: $1,495 + shipping & insurance (Jan '10)

Electrical Specifications

Frequency	1990-2500 MHz Continuous
Gain	**28.8 dBi**
-3 dBi Beam Width	5.3 degrees mid band
Cross Polarization Rejection	> 28 dB typ
Front to Back Ratio	> 30 dB typ
Sidelobe	> -28 dB typ
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.2:1 avg.
Lightning Protection	DC Short on grid

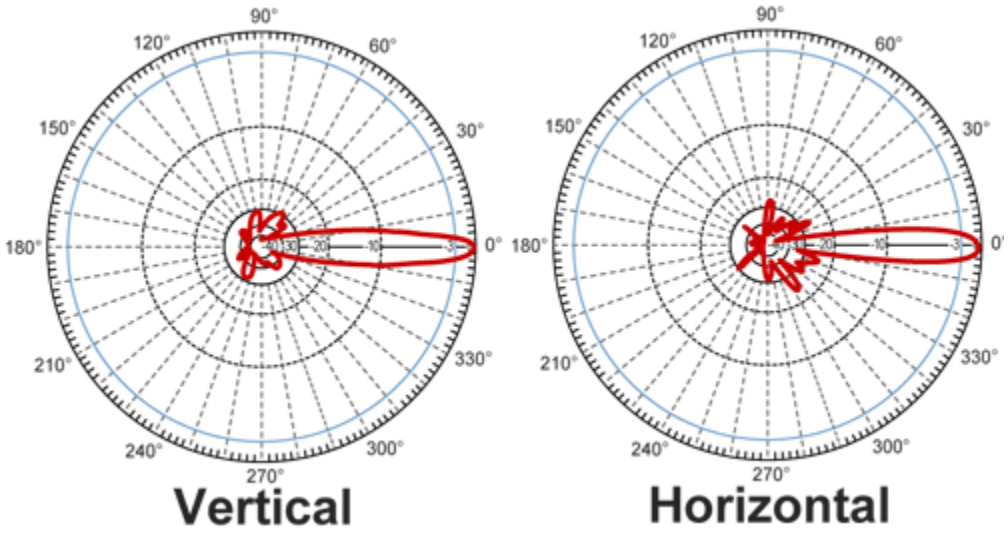
Mechanical Specifications

Weight	35 lbs. +/-
Grid Dimensions	59" Diameter +/-
Mounting	1.5 in. thru 3 in. (38 - 76 mm) dia mast
Weather Protection for Grid	Galvanized Steel
RoHS Compliant	Yes
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)

Wind Loading Data (based on an air density of 0.075 lbs. per cubic foot)

Wind Speed (MPH)	Loading (pounds, total)
100	61.8 lb.
125	97.0 lb.

Shown mounted for VERTICALLY POLARIZED signals



The plots above show the vertical and horizontal lobes of the **PMI-1990-2500-Par59Grid-Gal** antenna when mounted in a vertically polarized configuration (grids running perpendicular to the ground). The Vertical pattern shows how far above and below the horizon the "beam" (main lobe) actually spreads. The Horizontal pattern is the pattern produced if you looked down on the antenna from a point directly above the tower or mast where the antenna is mounted.

This 30 db gain antenna is a good choice for distant receive and transmit in the 2 and 2.5 GHz Broadcast Auxiliary Service (BAS) Band, especially in areas with severe weather.

The antenna above is mounted to receive and send a signal that is VERTICALLY POLARIZED. Rotate the whole antenna 90 degrees for HORIZONTAL polarity.