

VHF Ground Plane Antenna

F11

Description

The F11 is a vertically polarized broadband coaxial stub antenna designed for the VHF communications band. It is designed to withstand the most severe weather conditions. Protection from lightning is provided by grounding the top section of the stub through the stainless steel tie rod to the antenna ground plane.

Benefits

- Robust design and construction
- Low profile
- Very broadband, 108-174MHz

ELECTRICAL

FREQUENCY RANGE	108-174 MHz
GAIN (dBi)	2.0 (+0 / -1)
VSWR (Nom.)	Under 2:1
POLARIZATION	Vertical
CROSS POL REJECTION	20 dB
HORIZONTAL PATTERN	Omni Directional within 0.5 dB
HPBW	89°
IMPEDANCE	50 Ohm
TERMINAL TYPE	N Female
POWER RATING	1200 Watts
OPERATING TEMPERATURE	-40° to 176°F (-40° to 80°C)

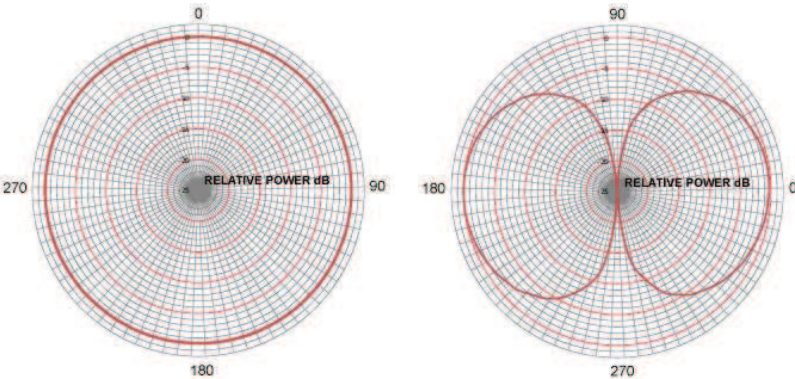
MECHANICAL

OVERALL HEIGHT	40 in. (101.6 cm)
STUB HEIGHT	22.375 in. (56.83 cm)
SKIRT DIAMETER	43 in. (109.2 cm)
WEIGHT	6.22 lbs (2.82 kg)
COLOR	Gray
MOUNT	1.5" to 3" U-BOLT

WIND LOAD

WIND AREA	(NO ICE)	0.49 SQ. FT.
	(1/2" RADIAL ICE)	1.14 SQ. FT.
WIND LOAD	(NO ICE)	29.5 FT-LBS*
	(1/2" RADIAL ICE)	19.7 FT-LBS**
WIND RATING	160 M.P.H.***	

* Wind Speed = 100 MPH at sea level with 100% Humidity at 70° F.
 ** Wind Speed = 50 MPH at sea level with 100% Humidity at 0° F.
 *** Maximum Wind Speed at sea level with 100% Humidity at 70° F. Safety Factor of 1.65 included.



F11 – AZIMUTH

F11 – ELEVATION

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

TACO ANTENNA

(A division of Wade Antenna, Inc.)
 29 Sharp Road, Brantford, Ontario
 Canada N3T 5L8
www.tacoantenna.com

US SALES

Jeff Kunkle
 Tel: 717.975.0885
 TF: 866.975.4433
sales@tacoantenna.com

CANADIAN SALES

Tracy Plumstead
 Tel: 519.756.7157 ext. 238
 TF: 800.463.1607 ext. 238
cansales@tacoantenna.com

EUROPEAN SALES

Jon Barton
 Tel: +44.01480.478770
 Cell: +44.07538.737796
europesales@tacoantenna.com

GLOBAL SALES

Jeff Kunkle
 Tel: 717.975.0885
 TF: 866.975.4433
globalsales@tacoantenna.com