



## Dual Frequency Single Output Multipol

### Model D2211

The D2211 is a dual frequency, omni-directional, vertically polarized dipole antenna, combining wide band VHF/UHF frequencies into a single output. Designed specifically for air traffic control, ground-to-air, ground-air-ground, and naval applications.

#### Reliable

- Rugged lightweight construction
- Transportable and compact
- Long-term life cycle results in cost savings
- 3 year warranty

#### Proven Performance

- Used by NATO military forces/defence contractors around the world
- MIL-STD-810F
- Reduced installation time/cost for permanent installations

#### Reduce Footprint

- Combination of VHF & UHF frequencies
- High isolation between antenna elements

#### MECHANICAL SPECIFICATIONS

HEIGHT	104 in (265.5cm)
WEIGHT	12 lbs (5.5 kg)
MOUNT (MAST DIAMETER)	3 in (7.62 cm)
WIND LOAD AREA NO ICE	1.5 sq ft
WIND LOAD AREA 1/2 IN ICE	2.0 sq ft
TEMPERATURE	-40° to 70°C (-40° to 158°F)
RADOME MATERIAL	Filament Wound Fiberglass
DIAMETER	2.85 in O.D. (7.24 cm)
COLOR	White or Olive Drab

Rain, salt, fog, sand, dust and fungus to MIL-STD-810F

#### ELECTRICAL SPECIFICATIONS

	VHF	UHF
FREQUENCY RANGE	108-174 MHz	225-400 MHz
GAIN (DBI @ FC)	1.5	1.5
VSWR (TYPICAL)	1.5:1	1.5:1
VSWR (MAX)	2.2:1	2.2:1
POLARIZATION	Vertical	Vertical
HPBW (VERTICAL DEG. NOM.)	75	75
OMNI DIRECTIONAL UNIFORMITY	± 0.5 dB (Azimuth)	± 0.5 dB (Azimuth)
IMPEDANCE	50 Ohms	
TERMINAL TYPE	N Female	
VERTICAL BEAM-CENTER DEVIATION	± 10 degrees (from horizon)	
APPLIED POWER	250 Watts Max	

Survival Rating 150 M.P.H (Maximum Wind Speed at sea level with One Hundred Percent Humidity at Seventy Degrees Fahrenheit.(Safety factor of 1.65 included)

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