

Side View of Panel Antenna

Dielectric's TUA-SP4-3/11M-1 panel antenna is designed for Broadband

Horizontal Polarization, as a side-mounted Auxiliary Antenna for Pre-or Post-Repacking

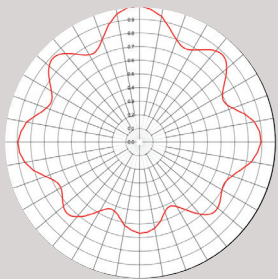
Dielectric Advantages

- Operating Range: 470-692 MHz (14-51)
- Horizontally Polarized
- Omni (omnioid) or Directional
- 10 kW Average Power Rating. Input: 3-1/8" EIA.
- ERP Capable: 100 kW Peak / 60 kW RMS
- Beam Tilt 1.0 Deg.
- ABS Radome for Environmental Protection

Includes Full Factory Assembly of Support Spline and Standard Mounting Brackets

Electrical Specifications

| Channel | Gain | VSWR | Input | Power Rating |
|---------|-----------------|-------|-------------------|--------------|
| | rms/peak | | | |
| 14 | 6.3/10.5 | 1.1:1 | 3-1/8, 50 ohm EIA | 10 kW Ave |
| 24 | 6.4/10.9 | | | |
| 36 | 6.4/11.4 | | | |
| 51 | 6.1/11.0 | | | |

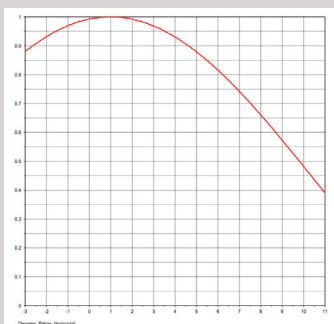


Azimuth Directivity 1.7 (Ch. 24)

Mechanical Specifications

| Model | Height | Weight Wind Area (1) | C/L Radiation |
|-----------------|---------------|--------------------------|---------------|
| | ft (m) | lbs (kg)-ft2 (m2) | ft (m) |
| TUM-SP4-3/11M-1 | 11.5 (3.5) | 850 (0.4)-55.2 (5.1) | 5.8 (1.8) |

¹ Wind are $C_A C_C$ per TIA/EIA-222-F ($C_A = 1.4$)



Elevation Pattern (Ch. 24)

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