



Dielectric's TUA-M Series panel antenna is designed for broadband horizontally polarized operation. The panel is a key building block for antenna system kit. The kit includes flexline jumpers and power dividers, and can be configured to provide antennas with specific azimuth and elevation patterns.

Key Features:

- Fully equipped and environmentally friendly packaged for easy field assembly.
- The TUA-M panel antenna kit comes complete with flexline and power dividers to expedite installation.
- And its 100% renewable Restore™ packaging can be composted to eliminate the disposal challenges of conventional materials at remote sites.

Specifications:

- Horizontally polarized, economical broadband design
- Configurable for specific azimuth and elevation patterns
- Operating range: 470-860 MHz
- 500W average power per panel
- 7 standard azimuth patterns available
- Custom azimuth and elevation patterns upon request
- Low VSWR, < 1.1:1 over operating band
- Suitable for multiplexing many channels
- Rugged, aluminum construction
- ABS radome for demanding environments

Electrical Specifications – Individual Panel

Band	Polarization	VSWR	Input	Power Rating	Beam Width
UHF 470-860 MHz	Horizontal	<1.1:1	7-16 DIN	500W	60°

Mechanical Specifications – Individual Panel

Model	Height ft(m)	Weight lb(kg)	Wind Area ¹ ft ² (m ²)	Dimensions LxWxD (in)
TUA-M	3.2 (1.0)	25 (11.4)	6.8 (0.63)	38.25 x 18.25 x 8.10

¹ Wind area $C_A A_C$ per TIA/EIA-222-F ($C_A = 1.4$)