



MICRONETIXX

COMMUNICATIONS



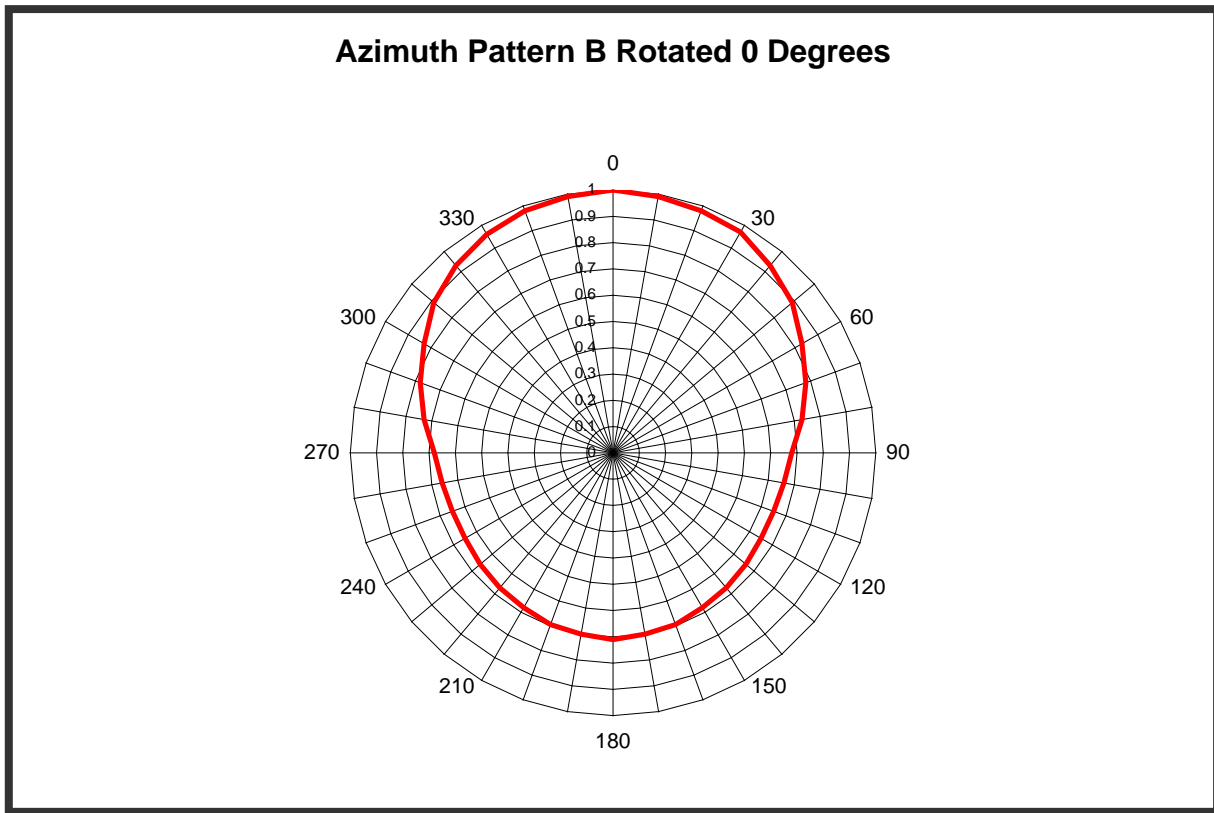
- **Channel 7-13 (Band III) VHF Slot Antenna**
- **Lightweight – Low Wind Load Design**
- **Omnioid Azimuth Pattern**
- **2 to 6 Bay Side Mount Models Available**
- **Horizontal, Elliptical, or Circular Polarization Available**
- **Up to a 25 kW Input Power Rating**

TPV-Lite VHF Pylon Slot Antennas

The TPV-Lite series of VHF (Band III) slot antennas delivers a low group delay single channel signal across a 6 or 8 MHz bandwidth. This side series of antennas is a lightweight, end fed, low wind load solution for auxiliary, and translator applications. The antennas are available from 2 to 6 bays, in one bay increments. The antenna is furnished with a standard 1-5/8" EIA input – with a custom 3-1/8" EIA input available for higher power operation.

For mobile TV applications, the TPV-Lite series antennas are available in either elliptical or circular polarized models. Beam tilt and null fill are customized for each antenna. Custom low RFR versions of the TPV-Lite antennas are also available.

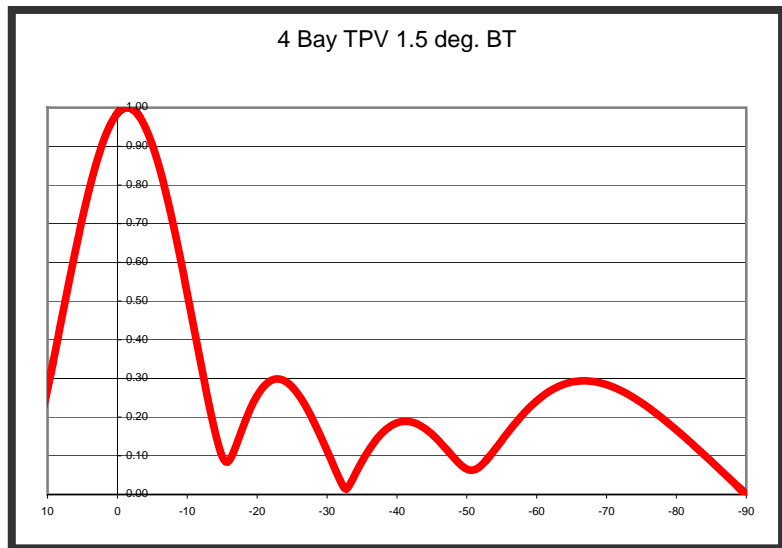
TPV-Lite Series Azimuth Pattern

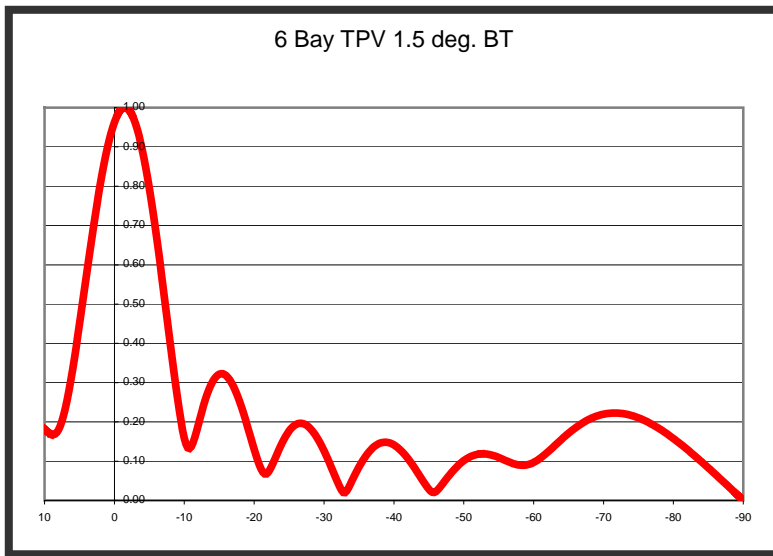


B – Omnioid Pattern Azimuth
Gain 1.70 (2.30 dB)

TPV-Lite Sample Elevation Patterns

4 Bay Elevation Pattern
1.5 Degrees Beam Tilt
Elevation Gain is 4.12 (6.15 dB). Total Antenna Power
Gain is 7.00 (8.45 dB)





6 Bay Elevation Pattern
 1.5 Degrees Beam Tilt
 Elevation Gain is 6.05 (7.82 dB)
 Total Antenna Power Gain is
 10.28 (10.12 dB)

TPV-Lite Antenna Options

All TPV-Lite antennas come with custom designed, stainless steel mounting brackets. The antenna and mount can be ruggedized for up to 130 M.P.H. (209 K.P.H.) wind zones. Radomes are standard and can be extended for high environment locations. A choice of International Orange, White or Light Gray is available.

All exposed aluminum surfaces are treated with a class 1A chromate treatment. For higher input power ratings up to 25 kW, an optional 3-1/8" EIA input flange may be specified.

Need a New VHF Antenna ?

The TPV-Lite series antennas from Micronetixx Communications deliver the best wideband, low group delay signal to your viewers. Each TPV-Lite antenna is built to the specifications needed to give you the best coverage. There is never an extra charge for custom beam tilt and null fill modifications.



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