



"JET PtMP gear is the most reliable, hands down!"

Rural telephone operator uses JET to drive high-speed broadband to unserved residents in Texas

Customer: Peoples Telephone Cooperative

Established in 1952, the Peoples Telephone Cooperative is a rural telephone operator that serves homes and enterprises in rural Texas, U.S.

Customer Requirements

Peoples Telephone Cooperative operates a fiber network, but in order to reach unserved residents living outside its fiber footprint it sought a carrier-grade fixed wireless broadband solution that would allow it to deliver reliable, high-speed service.

The Cooperative tested JET Point-to-Multipoint and RADWIN 2000 D+ Point-to-Point and chose to deploy the solutions based on their reliability, performance, Beamforming technology and interference mitigation capabilities.

Fiber vs. Wireless Broadband

Keith Kindle, Director of Wireless Operations:

“ We’ve found that a major advantage of RADWIN’s wireless broadband equipment over fiber are the costs. In areas where fiber is too expensive, RADWIN enables us to expand into new areas more cost effectively. ”



RADWIN Gear used in Deployment

- » JET PRO 750 Mbps & JET AIR 250 Mbps PtMP Beamforming base stations & IP67 subscriber units
- » RADWIN 2000 D+ 750 Mbps PtP
- » Spectrum band: 5 GHz

See video clip 



JET Case Study

Overcoming Challenges to Wireless Connectivity

The terrain, weather conditions and congested 5 GHz spectrum in the Cooperative's coverage area pose challenges to wireless connectivity. However, RADWIN's gear overcomes obstacles to provide a non-stop, fast broadband connection to residents.

Why JET is the Optimal Solution

- » JET operates non-stop in severe weather conditions (thunderstorms, tornados, heavy winds and torrential rains)
- » JET combats heavy interference in the congested 5 GHz band, even when deployed on the same tower with other 5 GHz radios
- » JET operates in non-line-of-sight scenarios such as heavily wooded areas
- » TurboGain slide-on antenna gives the Cooperative the option of a higher gain antenna only when they need it, instead of having to buy it on every subscriber unit
- » Simplicity of installation, and the fact that there are virtually zero truckrolls



“Of all of the vendors we've used, RADWIN's gear is the most reliable, hands down.”

Keith Kindle,
Director of Wireless Operations

About RADWIN

RADWIN ensures service providers a carrier-class broadband experience, built to support real-time bandwidth-hungry services integral to our everyday lives, while staying one step ahead of the digital game. Deployed in over 170 countries, RADWIN's systems deliver highest capacity in the toughest conditions.

RADWIN JET PtMP Highlights

- » Base stations with Beamforming delivering up to 750 Mbps per sector, 3 Gbps per cell
- » High capacity subscriber units:
 - SU PRO - up to 200 Mbps
 - SU AIR - up to 100 Mbps
- » Supporting SLAs with CIR
- » Exceptional interference immunity
- » Operation in non-line-of-sight

RADWIN 2000 D+ PtP Highlights

- » Up to 750 Mbps net aggregate throughput
- » Long range - up to 120 Km/75 miles
- » Field-proven operation in nLOS / NLOS and noisy spectrum
- » Inter & Intra site TDD synchronization to maximize network capacity
- » QoS and VLAN capabilities



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