

Massive Capacity (Gb+) Broadband in Harsh Military Environment

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Challenges

- Military deployment in harsh terrain
- Need to rapidly establish massive capacity (Gb+) communications

Results

- BTS-5000 High Precision Positioning System
- Bridgewave AR80X AdaptRate Radios



In one of the most inhospitable regions of the world, a defense technologies company needed to establish communication links with gigabit speeds between locations that were 3 to 11 miles apart. Over harsh and hostile mountain terrain, establishing a link between these end points continually proved to be more than challenging. The customer sought to establish a communication link of gigabit speeds utilizing antennas under one degree in beamwidth. From drop-off to finish, the link would need to be established between two remote locations in less than

three hours.

Utilizing the BATS BTS-5000 High Precision Positioning System, and pairing it with BridgeWave AR80X AdaptRate™ radios, which have ultra-narrow beamwidth of just 0.4 degree, BATS was able to establish a massive capacity (Gb+) communication link within 15 minutes from setup with an accuracy within 0.01 degree.

The BATS BTS-5000 is a quickly deployable, self-aligning antenna and tracking system with a heavyweight payload capacity of 50 pounds. The rugged design of the system makes it effective even in the harshest conditions. The unit requires minimal technical skill and time to deploy, and it can be controlled remotely, making it an ideal solution for military deployments. The BATS system enabled the communication link to be rapidly deployed and more robust in dangerous conditions.

About BATS

BATS Wireless is a leading technology provider, specializing in intelligent communications systems. BATS' industry-first automated tracking and stabilization platform enables organizations to rapidly deploy massive capacity (Gb+), uninterrupted, fixed or mobile wireless networks over long distances without skilled technical resources.

Every day- whether on the battlefield, oil field, or airfield, BATS' technology is proven in some of the harshest environments on earth; providing organizations access to their critical communications.