

Deployment Parameters of Pecos Experimental Program

The current stage of the experimental trial proposes operation from one tower and two remote end user sites. Each location will deploy directional antennas which will transmit on the 5850-6400 MHz band. Specific parameters of the proposed operation are detailed below.

Pecos Tower:

Location: 031.418611, -103.516536

Beam Width in Horizontal Plane: 5° at half power

Orientation in Horizontal Plane: 142°

Beam Tilt: +2°

Maximum Power: 250MW/4.0 W ERP

The trial will have two end user sites located at the following two sites within an 18-mile radius of the above tower, connecting to it with the following parameters.

End User 1:

Location: 031.199325, - 103.359544

Beam Width in Horizontal Plane: 5° at half power

Orientation in Horizontal Plane: 322°

Beam Tilt: -2°

Maximum Power: 250MW/4.0 W ERP

End User 2:

Location: 031.196350, - 103.361600

Beam Width in Horizontal Plane: 5° at half power

Orientation in Horizontal Plane: 323°

Beam Tilt: -2°

Maximum Power: 250MW/4.0 W ERP