

***Deployment Parameters***

The current stage of the experimental trial proposes operation from one site. This location will deploy directional antennas which will transmit on the 5850 – 6400 MHz band. Specific parameters of proposed operation are detailed in the chart below:

Empire Township Water Tower

44°39'52.1"N 93°08'14.4"W

Beam Width in Horizontal Plane 21° at half power

Orientation in Horizontal Plane Center of each antenna in degrees: 0, 90, 180, 270

Beam Tilt Installed antenna tilt Ex: -2°

Additionally, the trial will deploy up to 200 end users located with a 5-mile radius of the fixed location, with maximum power of 250MW/4.0 W ERP.