

Deployment Parameters

The current stage of the experimental trial proposes operation from two sites. Each location will deploy directional antennas which will transmit on the 5925 – 7125 MHz band.

Specific parameters of proposed operation are detailed in the below:

Location Name	Coordinates	Beamwidth in Horizontal Plane	Orientation in Horizontal Plane	Beam Tilt	Antenna Height above ground	Elevation of ground at antenna site	Distance to nearest aircraft landing
Lookout	47.813089 -117.50758	90 degrees	0 degrees	2 degree downtilt	60 feet	3080 feet	11.5 miles
Four Lakes	47.56619 -117.56966	90 degrees	45 degrees	1 degree downtilt	30 feet	2760 feet	4.5 miles
Fox Hill	47.724527 -117.091689	90 degrees	140 degrees	1 degree downtilt	10 feet	2725 feet	11 miles
Holiday Hill	47.64989 -117.115861	90 degrees	300 degrees	1 degree downtilt	30 feet	2460 feet	10 miles

Additionally, the trial will deploy up to 60 end users located with a 10-mile radius of the fixed locations, with maximum power of 250MW/4.0 W ERP.