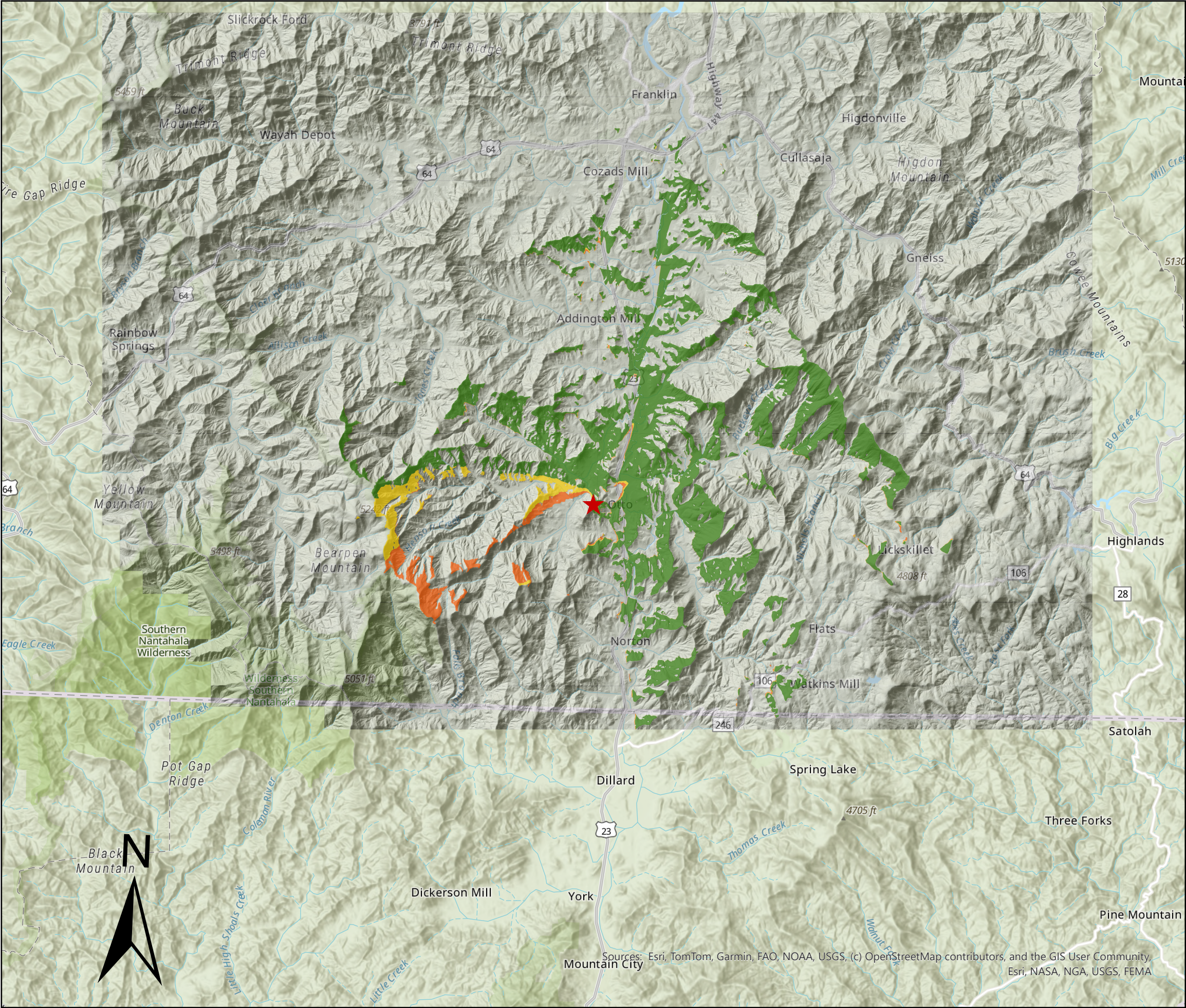


# GMRS Repeater Coverage RidgeTop



## Legend

★ Repeater site: RidgeTop

Coverage, 5 ft receiver

Zone

Added at 30 ft AGL

Added at 40 ft AGL

Covered at 20 ft AGL

Geodesic line-of-sight viewshed  
Omni antenna at 20, 30, 40 ft AGL  
Receiver height: 5 ft AGL  
Radius: 10 mi | Refraction k: 0.25  
Terrain: NC 2025 QL1 lidar DEM (15 ft working cell)

Line-of-sight approximation only. Ignores  
vegetation, buildings, Fresnel clearance,  
diffraction, and link budget.

0 0.75 1.5 3 4.5 6 Miles

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Esri, NASA, NGA, USGS, FEMA