

Antenna Registration Question 4 Directional Antenna Information

MIT Lincoln Laboratory

STA License Application

STA Confirmation Number: EL425867

STA File Number: 1353-EX-ST-2026

The Extreme Waves antenna is an active electronically scanned phased array antenna with selectable beamwidths of 6.5° and 13° in both azimuth and elevation and a scan volume of $\pm 60^\circ$. The antenna is electronically steered and can point directly at either an aircraft or a fixed ground station. The maximum transmit power is 4000 W ERP.