

Antenna Registration Question 4: Directional Antenna Information

MIT Lincoln Laboratory

STA License Application

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The Extreme Waves antenna is an active electronically scanned phased array antenna with a beamwidth between  $6.5^\circ$  and  $13^\circ$  in both azimuth and elevation and a scan volume of  $\pm 60^\circ$ . The antenna is electronically steered and can point directly at either the other aircraft or a ground station. The maximum transmit power is 3981 W ERP.