

DESCRIPTION OF PROPOSED OPERATIONS

Lockheed Martin Corporation ("Lockheed Martin") hereby requests experimental authority for two years, in order to perform the following tests and evaluation at Lockheed Martin's Cazenovia, NY radar testing facility:

The license request is in support of test activity involving transmission of C-band microwave signals to a ground-based IRAD radar system. The IRAD radar system is being developed to support Lockheed Martin programs and business capture efforts.

The hardware that requires licensing is a C-band Radar Target Generator (RTG) plus associated low gain antenna. The RTG low gain antenna will be mounted on an elevated platform and will transmit downward to the IRAD radar system located on the ground. During test activity, the IRAD radar system will not radiate - only the RTG antenna will radiate.

The RTG will operate in the 6 GHz frequencies for which Lockheed Martin has sought frequency coordination through Micronet Communications. A copy of the coordination data sheet, including polarization, azimuth, beamwidth, and gain values, is attached.