

DESCRIPTION OF EXPERIMENTATION

Lockheed Martin Corporation ("Lockheed Martin") hereby seeks authority under Part 5 of the Commission's rules to test and develop a system in support of an Internal Research and Development program.

The subject antenna is an experimental proof of principle effort and will potentially support land and/or air platforms. Initial testing, however, will be conducted on the ground. The antenna will be operated across multiple modalities, including active radiation. This testing will demonstrate the antenna performance required for considerations into next higher assembly potentially into a program of record for a U.S. Government or other government customer.