

DESCRIPTION OF EXPERIMENTATION

Lockheed Martin Corporation ("Lockheed Martin") hereby seeks experimental authority under Part 5 of the Commission's rules to permit it to test and develop a new uniform illuminating phased array radar system. Lockheed Martin is committing to the internal development of this technology to inform for the future development of an array of capabilities for multiple military applications – both U.S. Government and foreign government.

Effective development of the technology necessitates the current ability to test at low-, mid-, and high-band frequencies within the 9000-10500 MHz band to prepare for future customer operational requirements. Accordingly, the attached Form 442 is fashioned to permit testing across the band to generate data at different bandwidths.