

**DESCRIPTION OF EXPERIMENTATION**

Lockheed Martin Corporation (“Lockheed Martin”) hereby respectfully requests experimental authority under Part 5 of the Commission’s rules to permit it to test and validate required enhancements to an existing Synthetic Aperture Radar (SAR) system that is under development. These operations will support Lockheed Martin’s efforts to progress the technology in anticipation of demonstrating it in the future for potential U.S. Government customers.