

DESCRIPTION OF OPERATIONS

Lockheed Martin Corporation hereby seeks authority under Part 5 of the Commission's rules to permit it to conduct ground and airborne operations in connection with a cooperative research and development agreement (R&D) with the Air Force, Navy, and Army under U.S. Government contract.

Specifically, Lockheed Martin proposes to test a developmental system on the ground at and around the locations identified on the accompanying Form 442 and during flight testing on a U.S. government aircraft. Flight operations will not exceed 29,000ft MSL.

The experimentation is focused on field testing of a broad range of signal emissions including those for telemetry, DF/COMMINT systems, tactical radios, networked radio communication systems, radio navigation systems, WIMAX, and radar. Results from the experimentation will be used to enhance effectiveness of future military radio frequency systems.

Experiments carried out under this license will develop and demonstrate new capabilities for DoD- and USG-relevant radio systems. DoD service labs and other USG entities are interested in the novel processing and RF capabilities that the license holder aims to develop and demonstrate. These capabilities are being included in USG technology development roadmaps. This early development is critical to successful future programs and technology.

Typical testing is expected to be conducted intermittently over the course of one week, 3-4 times between February 2024 and mid-2025. Operational duration, locations, and power levels have been selected to diminish the chance of interference with primary and adjacent users. Use of this license is expected to be in coordination with DoD and USG spectrum managers for each individual test event.