

DESCRIPTION OF EXPERIMENTATION

Lockheed Martin Corporation (“Lockheed Martin”) hereby seeks authority under Part 5 of the Commission’s rules to permit it to test a developmental system at its locations in Moorestown, NJ and Cherry Hill, NJ. These operations are being conducted in connection with a cooperative research and development agreement with DARPA and is now under U.S. Government contract (No. HR001117C0074).

The experimentation is focused on field testing of a broad range of signal emissions including those for 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, DARPA, 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.