

DESCRIPTION OF OPERATION

Lockheed Martin Corporation ("Lockheed Martin") seeks authority under Part 5 of the FCC's rules to test and develop a new radar technology in support of a United States Air Force contract managed by Air Force Life Cycle Management Center (AFLCMC) (Contract No. FA8730-20-R-0023).

Verification of the experimental radar will use a phased array technology platform. Testing includes antenna/system demonstrations, proposal data support, array element fault location, performance monitoring, aircraft tracking analysis, detection performance, system reliability, and software development.