

DESCRIPTION OF EXPERIMENTATION

Lockheed Martin Corporation ("Lockheed Martin") hereby seeks experimental authority under Part 5 of the Commission's rules to study the effects of Troposcatter radio equipment emissions. In pursuit of this objective, Lockheed Martin needs to test the characterization of the Troposcatter emissions at various S-band frequencies - including fading and Doppler effects. The feedback from the program will be used to study potential integration of the technology into 3G and 4G techniques.