

### DESCRIPTION OF EXPERIMENTATION

Lockheed Martin Corporation ("Lockheed Martin") hereby seeks authority under Part 5 of the Commission's rules to permit to perform experimental testing utilizing U.S. Government Satellite-On-The-Move (SOTM) equipment and integrating it with the Terrestrial Layer Intelligence System (TLS).

The subject antenna terminals are manufactured by General Dynamics and designed for communications with both Federal and commercial satellite systems. The current testing will be conducted with the SES 1 satellite at 101° W.L.

By this application, Lockheed Martin seeks to secure transmit capability to permit communications with those satellite assets on the 14.125 GHz channel. This activity is being conducted in support of potential future U.S. Government contract work for the U.S. Army PEO IEWS, Terrestrial Spectrum Warfare.