

Exhibit Information – Propose, Objective, Contribution:

- a. The test and demonstration program will involve the integration of different earth terminal antenna components with appropriate upconverters, Solid State Power Amplifiers, Low Noise Block Downconverters, and modem equipment to interface with various alternative cooperating earth terminals and VSAT networks. The earth terminals will be tested over various commercial geostationary Ku-band (14.0-14.5 GHz) satellites.
- b. The license applicant is a major manufacturer of satellite communications equipment. The primary objective of the requested license is to verify and demonstrate the operation of various alternative antenna and RF equipment configurations at various potential operating locations. Such tests and demonstration will not carry revenue traffic but will instead verify performance of the Earth Terminal equipment in a temporary fixed location environment. The specific objectives are to demonstrate compliance with the commission's Part 25 regulations using a variety of new-production antennas and RF equipment, providing optimum efficiency on the satellites of interest while precluding any sources of potential interference.
- c. The program of experimentation would provide added flexibility in the design and production of satellite earth station antennas and RF equipment while still satisfying all the requirements of Part 25 of the Commission's regulations.