

MIT Lincoln Laboratory  
STA Confirmation Number: EL579387  
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### Exhibit 1 System Description

MIT Lincoln Laboratory is developing a communications relay capability for the Department of Defense. In order to have a successful transition to the warfighter, we need to thoroughly test and evaluate our developed technologies including over-the-air and flight-testing. The test system transmitters include two ground stations with an Ettus B210 software-defined radio, a Mini-Circuits power amplifier and Telewave dipole antenna and a relay on a high-altitude balloon with an E310 software defined radio, an RFHIC amplifier and a SkySat dipole antenna.

