

FCC Form 422, Exhibit No. 1
Lockheed Martin Aerospace

- a) Lockheed Martin has contracted with the government of the United Arab Emirates (UAE) to develop and test a new version of the F16 fighter aircraft. Part of this contract includes integrating and testing the capability of the F-16 aircraft to utilize a weapon system exclusively owned and operated by the UAE. The weapon system consists of a glide bomb with an imaging seeker controlled via RF data link signals from an aircraft carrying a data link pod.
- b) Flight testing is required to validate that the weapon system has been successfully integrated on the F-16 aircraft. The transmitters and receivers in the weapon and in the data link pod must be exercised in an airborne environment to confirm that they are working correctly.
- c) System integration testing of the weapon system in a laboratory environment is not adequate to ensure that the system will work correctly in the air. Airborne transmission of data link signals is required to provide system validation.