

FCC Form 422, Exhibit No. 1
Lockheed Martin Aerospace
March 3, 2004

Item 9.

a) Lockheed Martin has contracted with the government of the United Arab Emirates to develop and test a new version of the F16 fighter aircraft. Part of this contract includes an extensive flight test program. Flight testing uses data telemetry from the aircraft for test safety and monitoring, and to improve the efficiency and performance of the test flights. Test flights are performed at several locations due to airspace and ground requirements. These locations include areas in the listed states and sections of the Gulf of Mexico. Telemetry is also used during transit of the aircraft from one location to another to insure safety, monitor test systems, and maintain contact.

b) Reliable telemetry is critical to the safe completion of test flights. Aircraft telemetry data allows many discipline engineers to monitor critical functions and performance of the aircraft and insure the test is performed safely, correctly, and efficiently. Frequency diversity is being used on this program to significantly improve the quality and reliability of the telemetry system. Each of 3 test aircraft may use up to four transmitters during a flight. The requested telemetry frequencies provide sufficient channels for some simultaneous operation of aircraft and provide compatibility with existing range receiving and tracking equipment.

c) Transmitting equipment and frequency bands were selected for this program to retain compatibility with existing systems used for other F16 programs. However, the significant increase in flights, expanded airspace requirements, change in flight locations, and loss of some government support functions require that these telemetry frequency assignments be requested via the FCC in order to complete the program.