

REQUEST FOR EXTENSION OF EXPERIMENTAL AUTHORITY

Lockheed Martin Corporation (“Lockheed Martin”) holds an experimental STA (Call Sign WL9XIS, File No. 0691-EX-ST-2017) to operate on the frequencies that are the subject of this request. Under its STA, Lockheed Martin conducted preliminary testing to determine the feasibility of its aerostat communications technology.

Based on the positive results of its preliminary testing, Lockheed Martin has determined that it will implement a long-term test program with the objective of completing demonstrations necessary to complete a contract with the Department of Homeland Security (DHS)/Customs and Border Patrol (CPB). Accordingly, pursuant to 5.61(c) of the Commission’s Rules, Lockheed Martin respectfully requests continued authority under the terms of its STA which it is converting herein to a conventional license request for a period of 24 months.

Nature of operations.

As noted in its initial STA request, the program is conducting testing and demonstration of an aerostat transmitter and radar system for development of a technology intended to be deployed by DHS/ CPB. The system testing and demonstration are conducted at the USAF Tethered Aerostat Radar Site.

The transmissions are generated from a complete aerostat system at an altitude of 800 feet AGL. The transmitter and radar system are also used in conjunction with the Persistent Threat Detection System (PTDS).

Stop Buzzer POC will be: Lin Marr; 321-230-4145.