

5 March 2008

Dr. Theodore R Anderson
Haleakala R&D, Inc.
7 Martin Road
Brookfield, MA 01506-1762

Subject: Support for Plasma Antenna SBIR

Dr. Anderson:

Lockheed Martin Aeronautics endorses your concept to develop RF Antennas using plasma technology. Lockheed Martin supports the development of these technologies for possible future use in its F-35 Electronic Attack RF Multifunction POD. Lockheed Martin believes that Haleakala R&D has the experience and expertise in plasma antennas to be a successful candidate for this activity.

Many current approaches to RF antennas have limitations of not being compatible with stealth requirements of the F-35. The proposed research by Haleakala R&D will benefit the tactical aircraft industry by providing very low observable RF antennas

We believe that the proposed program is innovative and has the potential to provide low observable RF antennas, which will enable the F-35 to meet its stealth requirements while performing electronic attack functions in all RF bands of interest. These technologies are critical to maintaining our leadership position in the highly competitive aircraft industry.

In support of Haleakala R&D efforts, the Lockheed Martin JSF team will, as possible, provide aircraft interface requirements necessary to install this technology on the F-35 or other advanced aircraft.



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