

Antenna info: SKI J7727 122009
Freq info: 915 MHz

You will be presented with the FCC FORM 159, Fee Remittance Advice after submitting your application and obtaining a confirmation number. This Fee Remittance Advice, FCC Form 159, must currently be submitted in paper form along with payment to the address indicated in the FCC Fee Filing Guide. Electronic submission of FCC Form 159 is not currently available.

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY
This request for Special Temporary Authority (STA) is for a Existing STA

1. Name of Applicant (Company): *

AEROSPACE CORPORATION, THE

2. Mailing Address:

Attention: *

Nelson J. Ho

Street Address: *

2350 E. EL SEGUNDO BLVD., M1/111

P.O. Box:

City: *

EL SEGUNDO

State: *

CA

Zip Code: *

90245

E-Mail Address:

nelson.j.ho@aero.org

3. Give the following information of person who can best handle inquiries pertaining to this application:

* Last Name:

Ho

* First Name:

Nelson

* Title:

Engineering Specialist Sr.

* Phone Number (include area code):

310-336-0407

E-Mail Address:

nelson.j.ho@aero.org

4. Please explain in the area below why an STA is necessary: *

THIS APPLICATION CONCERNS A SHORT-LIVED RESEARCH PROJECT UTILIZING EARTH-SPACE, SPACE-SPACE, AND SPACE-EARTH SATELLITE LINKS. THE EXPERIMENTAL NATURE AND ANTICIPATED THREE-WEEK OPERATION SUGGEST THAT AN STA IS MOST APPROPRIATE.

5. Please explain the purpose of operation: *

Research regarding feasibility of very small satellites, emerging microelectromechanical systems (MEMS) technologies in space and the effect of the space environment on microelectronics.

6. Call Sign: Class of Station: Nature of Service:
WA9XFF FX MO EXPERIMENTAL

7. Location of proposed operation:

PALO ALTO, CA

Operation Start Date: * Operation End Date: *

11/02/1999

02/01/2000

8. List below transmitting equipment to be installed (if experimental, so state):

MANUFACTURER	MODEL NUMBER	NO. OF UNITS	EXPERIMENTAL?
Rockwell	RM102	1	☒ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No

9. Certification:

- Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance.
- The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)
- The applicant acknowledges that all statements made in this application and attached exhibits are considered material representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith.
- Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR 1.1301-1.1319.

Signature of Applicant (Authorized person filing form)* Date

Nelson J. Ho

10/06/1999

Title of Applicant (if any)

Engineering Specialist Sr.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).