

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WD9XJB

(Call Sign)

XD FX MO

(Class of Station)

0506-EX-ST-2009

(File Number)

NAME Aerospace Corporation, THE

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Picosat testing

THE TECHNICAL DETAILS IN THIS GRANT REQUEST ARE IDENTICAL TO THOSE IN THE

Station Locations

- (1) Palo Alto (SANTA CLARA), CA - NL 37-24-11; WL 122-10-24
- (2) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49
- (3) MOBILE: 20 miles south of Airport on Seward Highway 1, within 1 km, centered around NL 61-10-00; WL 150-01-00
- (4) MOBILE: Intersection of Buena Vista St and Galen St, within 1 km, centered around NL 34-06-44; WL 117-58-53
- (5) MOBILE: AEOS (Adv Electro Optical System), Mount Haleakala, Maui, Hawaii, within 1 km, centered around NL 20-42-29; WL 156-15-26
- (6) MOBILE: North Oscura Peak, White Sands Missile Range, NM, within 1 km, centered around NL 33-45-10; WL 106-22-21
- (7) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49
- (8) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49

This authorization effective November 01, 2009 and
will expire 3:00 A.M. EST May 02, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Palo Alto (SANTA CLARA), CA - NL 37-24-11; WL 122-10-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D	31600 W (ERP)	0.16 %

El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D	3162 W (ERP)	0.016 %

MOBILE: 20 miles south of Airport on Seward Highway 1, within 1 km, centered around NL 61-10-00; WL 150-01-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D	1258 W (ERP)	0.016 %

MOBILE: Intersection of Buena Vista St and Galen St, within 1 km, centered around NL 34-06-44; WL 117-58-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D	1258 W (ERP)	0.016 %

Frequency Information

MOBILE: AEOS (Adv Electro Optical System), Mount Haleakala, Maui, Hawaii, within 1 km, centered around NL 20-42-29;
WL 156-15-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D	1258 W (ERP)	0.016 %

MOBILE: North Oscura Peak, White Sands Missile Range, NM, within 1 km, centered around NL 33-45-10; WL 106-22-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D	1258 W (ERP)	0.016 %

El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D	3162 W (ERP)	0.016 %

El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	357KF1D	3162 W (ERP)	0.016 %

Special Conditions:

- (1) Licensee must coordinate use with the following:
 1. DoD Western Area Frequency Coordinator at Pt. Mugu, CA., (805) 989-7983 for locations in California.
 2. DoD Western Area Frequency Coordinator at China Lake, CA, Andy Foltz, (760) 939-6948.
 3. DoD Area Frequency Coordinator at White Sands Missile Range, NM (505) 678-5417.
- (2) The antenna orientation for Anchorage, AK. must be such that it does not radiate within +/- 10 degrees toward the coordinates 611004N 1495802W.
- (3) For Anchorage, AK the personnel conducting the test must coordinate with either Frank Hurlbut at 907-271-5962 or Jack Phillips at 907-271-2357 from the FAA's Alaskan Regional Frequency Management Office prior to testing and provide them an on site point of contact with phone number in the event that interference is experienced.