

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

EXPERIMENTAL

(Nature of Service)

WE9XXX

(Call Sign)

XD FX MO

(Class of Station)

0246-EX-ST-2011

(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

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

Station Locations

- (1) El Segundo (LOS ANGELES), CA - NL 33-54-52; WL 118-22-49
- (2) MOBILE: 20 miles south of Airport on Seward Highway 1, within 1 km, centered around NL 61-10-00; WL 150-01-00
- (3) MOBILE: Intersection of Buena Vista St and Galen St, within 1 km, centered around NL 34-06-44; WL 117-58-53
- (4) MOBILE: AEOS (Adv Electro Optical System), Mount Haleakala, Maui, Hawaii, within 1 km, centered around NL 20-42-29; WL 156-15-26
- (5) MOBILE: North Oscura Peak, White Sands Missile Range, NM, within 1 km, centered around NL 33-45-10; WL 106-22-21
- (6) Salt River Bay, UE - NL 17-39-01; WL 64-37-18
- (7) Kilauea (KAUAI), HI - NL 22-12-02; WL 159-25-51
- (8) MOBILE: 350 km circular orbit at 51 degree inclination

This authorization effective July 01, 2011 and
will expire 3:00 A.M. EST January 02, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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 1M09F1D	1535 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 1M09F1D	775 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 1M09F1D	775 W (ERP)	0.016 %

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 1M09F1D	775 W (ERP)	0.016 %

Frequency Information

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 1M09F1D	775 W (ERP)	0.016 %

Salt River Bay, UE - NL 17-39-01; WL 64-37-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7-914.7 MHz	FX	1M09F1D 1M09F1D	775 W (ERP)	0.016 %

Kilauea (KAUAI), HI - NL 22-12-02; WL 159-25-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	FX	1M09F1D 357KF1D	775 W (ERP)	0.016 %

MOBILE: 350 km circular orbit at 51 degree inclination

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
914.7 MHz	MO	357KF1D 1M09F1D	3 W (ERP)	0.016 %

Special Conditions:

- (1) Aerospace Corp must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Richardson, (760) 939-6948/6832 prior to operating in California and the Area Frequency Coordinator at the White Sands Missile Range prior to operating in New Mexico