

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WC9XII

(Call Sign)

0483-EX-ST-2005

(File Number)

NAME Raytheon Company

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:

Air-to-ground communications in support of testing under various US Government contracts.

Station Locations

- (1) Eglin AFB, FL - NL 30-29-30; WL 86-30-15; MOBILE: Eglin AFB, FL, at an altitude of 5,000 to 35,000 feet, within 480 km, centered around NL 30-29-30; WL 86-30-15
- (2) Holloman AFB, NM - NL 32-51-25; WL 106-05-20; MOBILE: Holloman AFB, NM, at an altitude of 5,000 to 35,000 feet, within 480 km, centered around NL 32-51-25; WL 106-05-20
- (3) China Lake NAWC, CA - NL 35-41-05; WL 117-40-45; MOBILE: China Lake NAWC, CA, at an altitude of 5,000 to 35,000 feet, within 480 km, centered around NL 35-41-05; WL 117-40-45
- (4) Edwards AFB, CA - NL 34-54-45; WL 117-54-00; MOBILE: Edwards AFB, CA, at an altitude of 5,000 to 35,000 feet, within 480 km, centered around NL 34-54-45; WL 117-54-00
- (5) Los Angeles International Airport, CA - NL 33-56-17; WL 118-25-16; MOBILE: Los Angeles International Airport, CA, at an altitude of 5,000 to 35,000 feet, within 480 km, centered around NL 33-56-17; WL 118-25-16

This authorization effective November 04, 2005 and
will expire 3:00 A.M. EST May 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Eglin AFB, FL - NL 30-29-30; WL 86-30-15; MOBILE: Eglin AFB, FL, at an altitude of 5,000 to 35,000 feet, within 480 km, cer

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.205-17.145 GHz	MO	10M7G7W	11.5 kW (ERP)	
17.15 GHz	MO	10M7G7W	230 W (ERP)	

Holloman AFB, NM - NL 32-51-25; WL 106-05-20; MOBILE: Holloman AFB, NM, at an altitude of 5,000 to 35,000 feet, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.205-17.145 GHz	MO	10M7G7W	11.5 kW (ERP)	
17.15 GHz	MO	10M7G7W	230 W (ERP)	

China Lake NAWC, CA - NL 35-41-05; WL 117-40-45; MOBILE: China Lake NAWC, CA, at an altitude of 5,000 to 35,000 fee

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.205-17.145 GHz	MO	10M7G7W	11.5 kW (ERP)	
17.15 GHz	MO	10M7G7W	230 W (ERP)	

Frequency Information

Edwards AFB, CA - NL 34-54-45; WL 117-54-00; MOBILE: Edwards AFB, CA, at an altitude of 5,000 to 35,000 feet, within 48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.205-17.145 GHz	MO	10M7G7W	11.5 kW (ERP)	
17.15 GHz	MO	10M7G7W	230 W (ERP)	

Los Angeles International Airport, CA - NL 33-56-17; WL 118-25-16; MOBILE: Los Angeles International Airport, CA, at an alt

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.205-17.145 GHz	MO	10M7G7W	11.5 kW (ERP)	
17.15 GHz	MO	10M7G7W	230 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Raytheon is to coordinate with the following Frequency Area Coordinators a minimum of 72 hours in advance:
 - DoD Area Frequency Coordinator, Eglin AFB, FL (850) 882-4416
 - DoD Area Frequency Coordinator, White Sands Missile Range (505) 678-5417
 - Navy Frequency Coordinator, Western U.S. (805) 989-7983
 - Naval Air Warfare Center, China Lake, CA (760) 939-6827
 - Edwards AFB, CA (661) 277-4763