

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

EXPERIMENTAL

(Nature of Service)

WC9XHG

(Call Sign)

XC MO

(Class of Station)

0067-EX-ST-2006

(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 US Government contracts.

**Station Locations**

- (1) MOBILE: LAX Airport, Los Angeles, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 33-56-17; WL 118-25-16
- (2) MOBILE: Holloman AFB, NM, up to 37000 ft. (11275 meters), within 280 km, centered around NL 32-51-25; WL 106-05-20
- (3) MOBILE: Edwards AFB, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 34-54-45; WL 117-54-00
- (4) MOBILE: China Lake NAWC-CL, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 35-41-05; WL 117-40-45
- (5) MOBILE: Eglin AFB, FL, up to 37000 ft. (11275 meters), within 280 km, centered around NL 30-29-30; WL 86-30-15

**Frequency Information**

MOBILE: LAX Airport, Los Angeles, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 33-56-17; WL 118-25-16

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 14626.25 MHz | MO            | 10M7G7D             | 11.5 kW (ERP)    |                           |

This authorization effective March 20, 2006 and  
will expire 3:00 A.M. EST September 21, 2006

**FEDERAL  
COMMUNICATIONS  
COMMISSION**

## Frequency Information

MOBILE: Holloman AFB, NM, up to 37000 ft. (11275 meters), within 280 km, centered around NL 32-51-25; WL 106-05-20

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 14626.25 MHz | MO            | 10M7G7D             | 11.5 kW (ERP)    |                           |

MOBILE: Edwards AFB, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 34-54-45; WL 117-54-00

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 14626.25 MHz | MO            | 10M7G7D             | 11.5 kW (ERP)    |                           |

MOBILE: China Lake NAWC-CL, CA, up to 37000 ft. (11275 meters), within 280 km, centered around NL 35-41-05; WL 117-40-45

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 14626.25 MHz | MO            | 10M7G7D             | 11.5 kW (ERP)    |                           |

MOBILE: Eglin AFB, FL, up to 37000 ft. (11275 meters), within 280 km, centered around NL 30-29-30; WL 86-30-15

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 14626.25 MHz | MO            | 10M7G7D             | 11.5 kW (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.

Special Conditions:

- (2) Raytheon must coordinate prior to use with the following DOD Frequency Coordinators:

DoD Gulf Area Frequency Coordinator: 850-882-4416

Air Force Flight Test Center, Edwards AFB, CA: 661-277-2428

DoD Area Frequency Coordinator, White Sands Missile Range: 505-678-5417

DoD Western Area Frequency Coordinator, Pt Mugu, CA: 805-989-7983

Naval Air Warfare Center, China Lake Naval Air Station, CA: 760-939-6827

- (3) No interference shall be caused to government operations at Menlo Park, 372720 NLat 1221021 WLong, frequency 14628.75 MHz, +- 20 MHz, STC=FX.