

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XAY

(Call Sign)

0509-EX-PL-2006

(File Number)

NAME RAYTHEON COMPANY

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Nellis AFB, NV, up to 35,000 feet, within 280 km, centered around NL 36-14-09; WL 115-02-07
- (2) MOBILE: China Lake NAWC-CL, CA, up to 35,000 feet, within 280 km, centered around NL 35-41-05; WL 117-40-45
- (3) MOBILE: Eglin AFB, FL, up to 35,000 feet, within 280 km, centered around NL 30-29-30; WL 86-30-15
- (4) MOBILE: Holloman AFB, NM, up to 35,000 feet, within 280 km, centered around NL 32-51-25; WL 106-05-20
- (5) MOBILE: LAX Airport, Los Angeles, CA, up to 35,000 feet, within 280 km, centered around NL 33-56-17; WL 118-25-16

Frequency Information

MOBILE: Nellis AFB, NV, up to 35,000 feet, within 280 km, centered around NL 36-14-09; WL 115-02-07

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14880 MHz | MO            | 10M7G7W             | 11.5 kW (ERP)    |                           |

This authorization effective March 31, 2008 and  
will expire 3:00 A.M. EST April 01, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: China Lake NAWC-CL, CA, up to 35,000 feet, within 280 km, centered around NL 35-41-05; WL 117-40-45

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14880 MHz | MO            | 10M7G7W             | 11.5 kW (ERP)    |                           |

MOBILE: Eglin AFB, FL, up to 35,000 feet, within 280 km, centered around NL 30-29-30; WL 86-30-15

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14880 MHz | MO            | 10M7G7W             | 11.5 kW (ERP)    |                           |

MOBILE: Holloman AFB, NM, up to 35,000 feet, within 280 km, centered around NL 32-51-25; WL 106-05-20

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14880 MHz | MO            | 10M7G7W             | 11.5 kW (ERP)    |                           |

MOBILE: LAX Airport, Los Angeles, CA, up to 35,000 feet, within 280 km, centered around NL 33-56-17; WL 118-25-16

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14880 MHz | MO            | 10M7G7W             | 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (3) Subject to coordination with the Western Area Frequency Coordinator located at the Naval Air Warfare Center, Weapons Division, China Lake, CA, prior to use within a 322 kilometer radius of Pt. Mugu or in California south of Latitude 37 30' North at (760) 939-6948.
- (4) Subject to coordination with the Area Frequency Coordinator located at Nellis AFB, Nevada, prior to use in the states of Nevada, Utah west of 111 W and Idaho south of 44 N at (702) 652-3417.
- (5) Subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use within the area bounded by 24 N 33 30'N and 83 W 90 W at (850) 882-4416.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF contract FA8002-02-C-0397. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.