

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

EXPERIMENTAL

(Nature of Service)

WC9XGN

(Call Sign)

XC MO

(Class of Station)

0065-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 Common Data Link (CDL) communications in support of testing under US Government contracts.

Station Locations

- (1) MOBILE: Nellis AFB, NV, up to 37,000 feet (11275 meters), within 280 km, centered around NL 36-14-09; WL 115-02-07
- (2) MOBILE: China Lake NAWC-CL, up to 37,000 feet (11275 meters), within 280 km, centered around NL 35-41-05; WL 117-40-45
- (3) MOBILE: Eglin AFB, FL, up to 37,000 feet (11275 meters), within 280 km, centered around NL 30-29-30; WL 86-30-15
- (4) MOBILE: Holloman AFB, NM, up to 37,000 feet (11275 meters), within 280 km, centered around NL 32-51-25; WL 106-05-20
- (5) MOBILE: LAX Airport, Los Angeles, CA, up to 37,000 feet (11275 meters), within 280 km, centered around NL 33-56-17; WL 118-25-16

Frequency Information

MOBILE: Nellis AFB, NV, up to 37,000 feet (11275 meters), within 280 km, centered around NL 36-14-09; WL 115-02-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15266.25 MHz	MO	10M7G7W	11.5 kW (ERP)	

This authorization effective March 13, 2006 and
will expire 3:00 A.M. EST September 11, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

MOBILE: China Lake NAWC-CL, up to 37,000 feet (11275 meters), within 280 km, centered around NL 35-41-05; WL 117-40-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15266.25 MHz	MO	10M7G7W	11.5 kW (ERP)	

MOBILE: Eglin AFB, FL, up to 37,000 feet (11275 meters), within 280 km, centered around NL 30-29-30; WL 86-30-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15266.25 MHz	MO	10M7G7W	11.5 kW (ERP)	

MOBILE: Holloman AFB, NM, up to 37,000 feet (11275 meters), within 280 km, centered around NL 32-51-25; WL 106-05-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15266.25 MHz	MO	10M7G7W	11.5 kW (ERP)	

MOBILE: LAX Airport, Los Angeles, CA, up to 37,000 feet (11275 meters), within 280 km, centered around NL 33-56-17; WL 118-25-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15266.25 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) No transmissions permitted within 50 km of Twentynine Palms, CA: 34-35-00 N, 116-25-38 W.
- (3) No transmissions permitted within 363 km of Menlo Park, CA: 37-27-20 N, 124-02-10 W.

Special Conditions:

- (4) Raytheon 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

DoD Area Frequency Coordinator, Nellis AFB, NV, 702-652-3417.

- (5) NTIA cannot approve CONUS use of this frequency. After discussions between NTIA and Thelma Cline of Raytheon Company, the five locations above with a 280 km radius were determined to be necessary for this STA.