

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

EXPERIMENTAL

(Nature of Service)

WB2XGA

(Call Sign)

XC FX MO

(Class of Station)

0139-EX-RR-2007

(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) Rancho Cucamonga (SAN BERNARDINO), CA - NL 34-05-20; WL 117-34-25; MOBILE: (also at all Government controlled areas), within 20 km, centered around NL 34-05-20; WL 117-34-25
- (2) Van Nuys, CA - NL 34-12-18; WL 118-28-48; MOBILE: (also at all Government controlled areas), within 6 km, centered around NL 34-12-18; WL 118-28-48
- (3) Malibu, CA - NL 34-03-00; WL 118-41-15; MOBILE: (also at all Government controlled areas), within 10 km, centered around NL 34-03-00; WL 118-41-15

Frequency Information

Rancho Cucamonga (SAN BERNARDINO), CA - NL 34-05-20; WL 117-34-25; MOBILE: (also at all Government controlled areas)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35000 MHz	FX	1G00P0N	3.2 MW (ERP)	
35000 MHz	MO	1G00P0N	3.2 MW (ERP)	

This authorization effective November 01, 2007 and
will expire 3:00 A.M. EST November 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Van Nuys, CA - NL 34-12-18; WL 118-28-48; MOBILE: (also at all Government controlled areas), within 6 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35000 MHz	FX	1G00P0N	3.2 MW (ERP)	
35000 MHz	MO	1G00P0N	3.2 MW (ERP)	

Malibu, CA - NL 34-03-00; WL 118-41-15; MOBILE: (also at all Government controlled areas), within 10 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35000 MHz	MO	1G00P0N	3.2 MW (ERP)	
35000 MHz	FX	1G00P0N	3.2 MW (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.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA contract no. N66857-98-C-1613. 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.