

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

WE2XUN

(Call Sign)

0042-EX-ML-2009

(File Number)

NAME Radiance Technologies Inc.

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(i) of the Commission's Rules

Station Locations

(1) MOBILE: Nationwide

Frequency Information

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.25-9.75 GHz	MO	100ML1N	3850 W (ERP)	

Special Conditions:

- (1) All operations subject to coordination with the Gulf Area Frequency Coordinator located at Eglin AFB, Florida, prior to use with the area bounded by 27 degrees N. 33 degrees 30' N; and 83 degrees W. 90 degrees W.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) All operations subject to coordination with the Eastern Area Frequency Coordinator located at Patrick AFB, Florida, prior to use within the area bounded by 24 degrees N, 31 degrees 30' N and 77 degrees W, 83 degrees W.

This authorization effective November 30, 2009 and
will expire 3:00 A.M. EST November 30, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (5) 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 degrees West and Idaho south of 44 degrees N.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Space and Missile Defense Command contract number W9113M-04-C-0066. 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.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Hank Rinehart, phone (662) 871-3962.
- (8) This license SUPERSEDES the previously issued license with the same call sign and file number: amends start/end date.
- (9) All operations is subject to prior coordination with the Western Area Frequency coordinator in the Navy Pacific Missile Test Center Pt. Mugu, CA., Prior to use within a 322 kilometer radius of Pt. Mugu or in California south of latitude 37 30' north.
- (10) Operation is subject to prior coordination with the Area Frequency Coordinator located at the Naval Air Warfare Center Aircraft Division, Patuxent River, MD., and Prior to use within the area enclosed by 100 kilometer radius of headquarters building.