

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WD2XRY

(Call Sign)

0145-EX-PL-2005

(File Number)

NAME Omega Systems, 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(b) of the Commission's Rules

Station Locations

(1) MOBILE: Ft. Gordon, GA, within 5 km, centered around NL 33-24-36; WL 82-08-24

Frequency Information

MOBILE: Ft. Gordon, GA, within 5 km, centered around NL 33-24-36; WL 82-08-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	3M00G7D	126 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.

This authorization effective June 29, 2005 and
will expire 3:00 A.M. EST July 01, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Prior to commencement of operations with AMC-9 pursuant to this experimental license, Omega shall obtain a certification regarding the notification of all satellite operators with co-frequency operations within 6 degrees longitude of each satellite, generally describing the experimental operations authorized herein, including the term thereof, and providing a point of contact for the purpose of resolving any complaints of interference. Omega shall obtain a similar certification if, during the term of this experimental license, any of the satellites move orbit locations, or if a satellite operator commences co-frequency operations within 6 degrees longitude of each of the satellites. If the point of contact receives a complaint of harmful interference, the party receiving the complaint (if not Omega) will notify Omega, and Omega shall immediately cease such operations or adjust such operations to avoid harmful interference. Omega will submit a copy of these certification(s) to the Commission for incorporation into the record of this file.
- (4) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (5) POINT OF COMMUNICATION: AMC-9.
- (6) The National Telecommunications and Information Administration (NTIA) has questions about satellite communications at 60 miles per hour and would like the Army unit to submit DD Form 1494 for SPS review.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DISA contract number DAAB07-03-F-0095. 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.