

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WD2XRY

(Call Sign)

0248-EX-ST-2005

(File Number)

NAME Omega Systems, Inc.

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:

Assemble and deliver a Satellite-on-the-Move (SOTM) terminal capable of Tx 256Kbps/Rx 1Mbps while on the move at 60 mph when mounted on a vehicle.

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)	0.00005 %

Special Conditions:

- (1) 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

This authorization effective June 10, 2005 and
will expire 3:00 A.M. EST December 02, 2005

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Specific 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.

- (2) 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.
- (3) POINT OF COMMUNICATION: AMC-9.
- (4) 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.