Claude E Wells, P.O. Box 4906, 195 Chesapeake Park Plaza, Baltimore, MD 21220-0906,

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

EXPERIMENTAL	WE2XRK
(Nature of Service)	(Call Sign)
XC MO	0266-EX-RR-2010
(Class of Station)	(File Number)

NAME Lockheed Martin Corporation

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: Syracuse, NY, within 1 km, centered around NL 43-06-43; WL 76-11-18
(2) MOBILE: Syracuse, NY, within 1 km, centered around NL 43-05-20; WL 76-05-53
(3) MOBILE: Syracuse, NY, within 1 km, centered around NL 43-52-35; WL 75-55-27

Frequency Information

MOBILE: Syracuse, NY, within 1 km, centered around NL 43-06-43; WL 76-11-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	46773.5 W (ERP)	

MOBILE: Syracuse, NY, within 1 km, centered around NL 43-05-20; WL 76-05-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	46773.5 W (ERP)	

This authorization effective November 15, 2010 and
will expire 3:00 A.M. EST November 01, 2012

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Syracuse, NY, within 1 km, centered around NL 43-52-35; WL 75-55-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M33M1D	46773.5 W (ERP)	

Special Conditions:

(1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.

(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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

(5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Marine Corp.; contract numbers: M67854-00-C-2049, M67854-05-D-2002 and M67854-00-C-2008. 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.

(6) 1. Direction of interrogation must be between 270 and 360 degrees referenced to true north.
2. The average PRR is maintained at 175 interrogations per second with a +/- 10% jitter.
3. Routine operations are confined to 1, 2, 3A and 3C.
4. Once coordinated through the DoD Mode-4 Coordinator, the FAA can concur to Mode-4 interrogations if limited to the following:
   a. manually initiatiated interrogations only---no interlacing with other modes
   b. interrogations are not initiatiated more than once per minute in any given sector.
   c. the use of Mode-4 is kept to an absolute minimum.

(7) Pulse duration 0.8 usec