

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

EXPERIMENTAL

(Nature of Service)

WA2XYK

(Call Sign)

XE MO

(Class of Station)

0083-EX-PL-1999

(File Number)

NAME ERIM International, 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. 5.202(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Willow Run Airport, Ypsilanti, MI, Altitudes From 1000 ft to 25000 ft AGL, centered around NL 42-14-00; WL 83-33-00

Frequency Information

MOBILE: Willow Run Airport, Ypsilanti, MI, Altitudes From 1000 ft to 25000 ft AGL, centered around NL 42-14-00; WL 83-33-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1245 MHz	MO	8M33Q3N	400 kW (ERP)	0.00001 %
1255 MHz	MO	25M0Q3N	400 kW (ERP)	0.00001 %
1270 MHz	MO	50M0Q3N	400 kW (ERP)	0.00001 %
9565 MHz	MO	8M33Q3N	10 MW (ERP)	0.00001 %
9575 MHz	MO	25M0Q3N	10 MW (ERP)	0.00001 %
9590 MHz	MO	50M0Q3N	10 MW (ERP)	0.00001 %

Special Conditions:

- (1) 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.
- (2) Operation on the frequency 1245 MHz is limited to within 200 miles of the coordinates above. On this frequency, 1245 MHz, the aircraft is limited to an antenna radiation pattern that is directly toward the ground, directly below the aircraft and does not exceed a 3 degree beamwidth.

This authorization effective December 06, 1999 and
will expire 3:00 A.M. EST December 01, 2001

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Special Conditions:

- (3) Operation on the frequency 1255 MHz is limited to within 200 miles of the coordinates above and ONLY within the azimuths from 320 degrees to 90 degrees (north quadrant) reference to true north. On this frequency, 1255 MHz, the aircraft is limited to an antenna radiation pattern that is directly toward the ground, directly below the aircraft and does not exceed a 3 degree beamwidth.
- (4) Operation on the frequency 1270 MHz is not permitted until the aircraft is at least 25 miles out from the coordinates above and only to a maximum range of 200 miles from the coordinates. Additionally, operation on 1270 MHz is ONLY permitted within the azimuths from 140 degrees to 205 degrees (south quadrant) reference to true north. The aircraft is limited to an antenna radiation pattern that is directly toward the ground, directly below the aircraft and does not exceed a 3 degree beamwidth.