

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WB9XZA

(Call Sign)

0501-EX-ST-2004

(File Number)

NAME L-3 Communications Avionics Systems

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:

The purpose of our tests will be to test the performance of our radio during flight and to test the integration of our radio to the rest of the aircraft avionics during flight.

Station Locations

- (1) MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Columbus, OH, within 400 km, centered around NL 40-06-12; WL 82-59-08
- (2) MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Duluth, MN, within 400 km, centered around NL 46-50-13; WL 92-12-22
- (3) MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Beaver Creek (Dayton area), OH, within 400 km, centered around NL 39-43-55; WL 84-05-15
- (4) MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Grand Rapids, MI, within 400 km, centered around NL 42-52-09; WL 85-31-04

Frequency Information

MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Columbus, OH, within 400 km, centered around NL 40-06-12; WL 82-59-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.25 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %

This authorization effective August 26, 2004 and
will expire 3:00 A.M. EST February 16, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Columbus, OH, within 400 km, centered around NL 40-06-12; WL 82-59-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.35 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.475 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %

MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Duluth, MN, within 400 km, centered around NL 46-50-13; WL 92-12-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.25 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.275 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.35 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.475 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %

Frequency Information

MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Beaver Creek (Dayton area), OH, within 400 km, centered around NL 39-43-55; WL 84-05-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.25 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.275 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.35 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.475 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %

MOBILE: Aircraft will fly to 6000 meters within a 250 mile radius of Grand Rapids, MI, within 400 km, centered around NL 42-52-09; WL 85-31-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.25 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.275 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.35 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %
123.475 MHz	MO	6K00A3E	10 W (ERP)	2.0E-6 %