

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

KE2XZF

(Call Sign)

0173-EX-ST-2004

(File Number)

NAME LOCKHEED MARTIN CORPORATION

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:

To gather data on helicopter characteristics for our Bayesian classification algorithms.

Station Locations

(1) Fort Drum (JEFFERSON), NY - NL 44-03-20; WL 75-43-10

Frequency Information

Fort Drum (JEFFERSON), NY - NL 44-03-20; WL 75-43-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1250 MHz	FX	1M99P0N	115 kW (ERP)	
1260 MHz	FX	1M99P0N	115 kW (ERP)	
1270 MHz	FX	1M99P0N	115 kW (ERP)	
1280 MHz	FX	1M99P0N	115 kW (ERP)	
1290 MHz	FX	1M99P0N	115 kW (ERP)	
1340 MHz	FX	1M99P0N	115 kW (ERP)	
1360 MHz	FX	1M99P0N	115 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.

This authorization effective April 01, 2004 and
will expire 3:00 A.M. EST June 01, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) These frequency assignments on 1250 MHz, 1260 MHz, 1270 MHz, 1280 MHz, 1290 MHz, 1340 MHz and 1360 MHz were coordinated prior to authorization with the FAA Eastern Coordinator, New York, New York. Use of these frequencies under the authority of this assignment are subject to such further coordination with the FAA Eastern Coordinator, New York, New York, as necessary to ensure compatibility with existing uses.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by contract number DAAH-01-00-C-0028, Australia contracts VACS/SC/9623 and 093MOC054 and Swiss contracts 152926 and 4500'306'888. 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 contracts designated in the related application and enumerated above.
- (5) The Pulse Repetition Rate (PRR) = 1 - 4000 pps.
- (6) The Pulse Duration (PD) = 16 us.
- (7) Transmissions using 1250 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees, 182 to 205 degrees and 149 to 159 degrees.
- (8) Transmissions using 1260 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees and 182 to 205 degrees.
- (9) Transmissions using 1270 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees and 182 to 205 degrees.
- (10) Transmissions using 1280 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees and 195 to 205 degrees.
- (11) Transmissions using 1290 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees and 195 to 205 degrees.
- (12) Transmissions using 1340 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees, 182 to 205 degrees and 236 to 246 degrees.
- (13) Transmissions using 1360 MHz are required to be blanked with respect to true north clockwise from 250 to 49 degrees, 182 to 205 degrees and 236 to 246 degrees.