

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

EXPERIMENTAL

(Nature of Service)

KE2XZF

(Call Sign)

XD MO

(Class of Station)

0545-EX-ST-2005

(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:

Experimental testing of a radar at a vendor facility for the environmental qualification of the PSTAR radar.

Station Locations

- (1) MOBILE: Bohemia (SUFFOLK), NY, within 27 km, centered around NL 40-46-08; WL 73-07-19

Frequency Information

MOBILE: Bohemia (SUFFOLK), NY, within 27 km, centered around NL 40-46-08; WL 73-07-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1220 MHz	MO	1M99P0N	115 kW (ERP)	
1230 MHz	MO	1M99P0N	115 kW (ERP)	
1240 MHz	MO	1M99P0N	115 kW (ERP)	

This authorization effective November 10, 2005 and
will expire 3:00 A.M. EST May 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

MOBILE: Bohemia (SUFFOLK), NY, within 27 km, centered around NL 40-46-08; WL 73-07-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1250 MHz	MO	1M99P0N	115 kW (ERP)	
1260 MHz	MO	1M99P0N	115 kW (ERP)	
1270 MHz	MO	1M99P0N	115 kW (ERP)	
1280 MHz	MO	1M99P0N	115 kW (ERP)	
1290 MHz	MO	1M99P0N	115 kW (ERP)	
1300 MHz	MO	1M99P0N	115 kW (ERP)	
1310 MHz	MO	1M99P0N	115 kW (ERP)	
1320 MHz	MO	1M99P0N	115 kW (ERP)	
1330 MHz	MO	1M99P0N	115 kW (ERP)	
1340 MHz	MO	1M99P0N	115 kW (ERP)	

Frequency Information

MOBILE: Bohemia (SUFFOLK), NY, within 27 km, centered around NL 40-46-08; WL 73-07-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1350 MHz	MO	1M99P0N	115 kW (ERP)	
1360 MHz	MO	1M99P0N	115 kW (ERP)	
1376 MHz	MO	1M99P0N	115 kW (ERP)	
1380 MHz	MO	1M99P0N	115 kW (ERP)	
1390 MHz	MO	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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) These frequency assignments 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) Transmissions using 1240 MHz are required to be blanked between 66-76 degrees referenced to true north.
- (6) Transmissions using 1280 MHz are required to be blanked between 232-242 degrees referenced to true north.

Special Conditions:

- (7) Transmissions using 1320 MHz are required to be blanked between 359-9 degrees referenced to true north.
- (8) Transmissions using 1330 MHz are required to be blanked between 66-76 degrees referenced to true north.
- (9) Transmissions using 1340 MHz are required to be blanked between 359-9 degrees referenced to true north.
- (10) Transmissions using 1376 MHz are required to be blanked between 54-64 degrees referenced to true north.
- (11) Transmissions using 1380 MHz are required to be blanked between 54-64 degrees referenced to true north.