

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WE9XON

(Call Sign)

0478-EX-ST-2010

(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 demonstrate a 3G cellular-like voice and data services (Aerostat Operations).

Station Locations

- (1) Yuma Proving Grounds (LA PAZ), AZ - NL 33-02-26; WL 114-27-33; MOBILE: Yuma Proving Grounds [LA PAZ], AZ, within 40 km, centered around NL 33-02-26; WL 114-27-33
- (2) MOBILE: Yuma Proving Grounds [LA PAZ], AZ (Antenna Height max AGL 2450 ft), within 2 km, centered around NL 33-01-58; WL 114-27-18

Frequency Information

Yuma Proving Grounds (LA PAZ), AZ - NL 33-02-26; WL 114-27-33; MOBILE: Yuma Proving Grounds [LA PAZ], AZ, within 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-763 MHz	FX		36.4 W (ERP)	
		4M20G7W		
		4M20D7W		
		4M20D7W		
		4M20D7W		

This authorization effective October 18, 2010 and
will expire 3:00 A.M. EST November 13, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Yuma Proving Grounds (LA PAZ), AZ - NL 33-02-26; WL 114-27-33; MOBILE: Yuma Proving Grounds [LA PAZ], AZ, within 4

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
788-793 MHz	MO	4M20D7W 4M20G7W	1.25 W (ERP)	

MOBILE: Yuma Proving Grounds [LA PAZ], AZ (Antenna Height max AGL 2450 ft), within 2 km, centered around NL 33-01-58; WL 114-27-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
758-763 MHz	MO	4M20G7W 4M20D7W	88.13 W (ERP)	
788-793 MHz	MO	4M20G7W 4M20D7W	88.13 W (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) 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.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (4) Operation is subject to prior coordination with affected existing and future licensees in the bands 758-763 MHz and 788-793 MHz.
- (5) This license SUPERSEDES the previously issued license with the same call sign and file number: The maximum AGL operations at 2450 ft (Aerostat Operations).