

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WG9XBM

(Call Sign)

0834-EX-ST-2012

(File Number)

NAME Raytheon Missile 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:

To control a novel unmanned aerial system.

Station Locations

- (1) MOBILE: , within 2.5 km, centered around NL 31-29-40; WL 110-34-14
- (2) Tucson, AZ - NL 32-06-27; WL 110-56-19

Frequency Information

MOBILE: , within 2.5 km, centered around NL 31-29-40; WL 110-34-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
315 MHz	FX	28K0F1D	3.8 W (ERP)	
4500-4900 MHz	MO	16M0G7D	200 mW (ERP)	

This authorization effective November 01, 2012 and
will expire 3:00 A.M. EST November 22, 2012

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Frequency Information

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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) For testing at Tucson headquarters:
Testing is limited to indoor site in a hangar at Tuscan Raytheon's HQ for 30 minutes of demonstration after the weekend testing.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Thomas J. Fagan at (520) 794-0227 (office) and (520) 465-7087 (cell).
- (5) For testing at Little Outfit Ranch:
Testing is limited to Saturday and Sunday only, as required by the Army.
Testing will not reach an elevation of more than 400 ft. And, testing is expected to last no more than an hour on the weekend day.