

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

EXPERIMENTAL

(Nature of Service)

WM9XAM

(Call Sign)

XT FX

(Class of Station)

1675-EX-ST-2017

(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:

Test antenna patterns in W band.

Station Locations

(1) Tucson (PIMA), AZ - NL 32-06-32; WL 110-57-19

Frequency Information

Tucson (PIMA), AZ - NL 32-06-32; WL 110-57-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
90-102 GHz	FX	12G0F3N	3.82 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

This authorization effective December 30, 2017 and
will expire 3:00 A.M. EST May 07, 2018

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Special Conditions:

- (4) Raytheon Missile Systems must coordinate with the ARO during the initial tests, to confirm no adverse interference to the Arizona Radio Observatory (ARO).
- (5) Operation is limited indoor only.
- (6) Future systems developed by Raytheon Missile Systems in the 90 - 102 GHz frequency band should comply with Footnote US246 which prohibits transmissions in the 90-92 GHz and 100-102 GHz frequency bands.
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.