

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WK9XSA

(Call Sign)

1750-EX-ST-2016

(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:

Testing of a low power detection and deterrence system.

Station Locations

- (1) Tucson (PIMA), AZ - NL 32-08-14; WL 110-55-21
- (2) Tucson (PIMA), AZ - NL 32-06-16; WL 110-57-13
- (3) Florence (PINAL), AZ - NL 33-04-29; WL 111-22-12

Frequency Information

Tucson (PIMA), AZ - NL 32-08-14; WL 110-55-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92-96 GHz	FX	NON	7 kW (ERP)	

This authorization effective January 15, 2017 and
will expire 3:00 A.M. EST April 16, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tucson (PIMA), AZ - NL 32-06-16; WL 110-57-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92-96 GHz	FX	NON	7 kW (ERP)	

Florence (PINAL), AZ - NL 33-04-29; WL 111-22-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92-96 GHz	FX	NON	7 kW (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) Operation is subject to prior coordination with the existing users in 92-95 GHz band prior to commencing the test operations.
- (4) Raytheon must not utilize the band 86-92 GHz. US246 restricts emissions in the band to protect NASA passive sensors.
- (5) Raytheon Missile System shall insure that any out-of-band emissions in the 89-92 GHz frequency band from the delivered/deployed version of this equipment complies with the protection requirements of ITU-R Recommendations RA.769-2 and RS.2017.
- (6) Raytheon Missile Systems shall comply with the coordination requirements of US161(b)/US342 given the desired operation location within the 150 km coordination distance of the Radio Astronomy observatories located in Arizona.
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number H94003-04-D-0006. 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 contract designated in the related application and enumerated above.
- (8) Stop buzzer is Thomas J. Fagan at 520-794-0227 (office) and 520-465-7087 (cell).