

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

EXPERIMENTAL

(Nature of Service)

WL9XPH

(Call Sign)

XC FX MO

(Class of Station)

1073-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:

Testing of a new radio in a rocket.

Station Locations

- (1) Yuma (YUMA), AZ - NL 33-03-35; WL 113-58-37
- (2) MOBILE: Yuma, AZ. Airborne up to 18000 ft within 10 miles of range, within 16 km, centered around NL 33-03-35; WL 113-58-37
- (3) Truth or Consequence (SIERRA), NM - NL 32-59-09; WL 106-58-06
- (4) MOBILE: SIERRA, NM. Airborne up to 18000 ft within 10 miles site, within 16 km, centered around NL 32-59-09; WL 106-58-06

Frequency Information

Yuma (YUMA), AZ - NL 33-03-35; WL 113-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	FX	16K0F1D	154 mW (ERP)	

This authorization effective August 31, 2017 and
will expire 3:00 A.M. EST March 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Yuma, AZ. Airborne up to 18000 ft within 10 miles of range, within 16 km, centered around NL 33-03-35; WL 113-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	MO	16K0F1D	40 mW (ERP)	

Truth or Consequence (SIERRA), NM - NL 32-59-09; WL 106-58-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	FX	16K0F1D	154 mW (ERP)	

MOBILE: SIERRA, NM. Airborne up to 18000 ft within 10 miles site, within 16 km, centered around NL 32-59-09; WL 106-58-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
434-436 MHz	MO	16K0F1D	40 mW (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) 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 HR0011-15-C-008. 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.
- (3) 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.

Special Conditions:

- (4) In the NM area:
Raytheon shall coordinate all operations through the appropriate Spaceport America Operations POC listed below. Spaceport America, in turn, will coordinate the spectrum requirements with White Sands Missile Range (WSMR), through the WSMR Spaceport America liaison. This will ensure that spectrum operations are directly de-conflicted with WSMR operations, and indirectly de-conflicted with any other DoD operations within the region.
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Spaceport America
901 E. University Ave, Suite 965L
Las Cruces, NM 88001
P (575) 267-8555
M (575) 520-5433
- (5) In the AZ area:
a. Intended use of this STA on Yuma Proving Ground (YPG) requires coordination with the YPG Spectrum Management Officer no less than 7 days prior to intended use;
Steve Sparks
YPG SMO
Comm: (928) 328-7144
E-mail: steven.d.sparks.civ@mail.mil
b. Intended use of this STA within Arizona, but not the YPG confines requires coordination with the DoD AFC AZ no less than 7 days prior to intended use;
Mark Rossow
Chief, DoD AFC AZ
Tel: (520) 538-6423
DSN: 879-6423
E-mail: mark.k.rossow.civ@mail.mil
- (6) Use of this STA, on YPG or within Arizona, is not assured for any time period due to scheduled and ongoing test and training activities.
- (7) DOD AFC AZ coordination number is 17080801.