

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

EXPERIMENTAL

(Nature of Service)

WP9XOM

(Call Sign)

XT MO

(Class of Station)

1914-EX-ST-2019

(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:

Captive carry of radar altimeter system

Station Locations

- (1) MOBILE: Anchorage, AK.100 km radius around airport, within 100 km, centered around NL 61-10-34; WL 149-59-24
- (2) MOBILE: Elephant Butte, AZ.16 km radius around center point, within 16 km, centered around NL 33-20-07; WL 111-26-40
- (3) MOBILE: Truth or Consequence, NM, within 16 km, centered around NL 32-55-46; WL 107-17-48
- (4) MOBILE: Lake Havasu City, AZ. flights over lake and desert, within 16 km, centered around NL 34-29-28; WL 114-21-45
- (5) MOBILE: near Willcox, AZ. operations cover various topographies in AZ, within 120 km, centered around NL 32-26-04; WL 110-16-07

Frequency Information

MOBILE: Anchorage, AK.100 km radius around airport, within 100 km, centered around NL 61-10-34; WL 149-59-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (ERP)	

This authorization effective December 01, 2019 and
will expire 3:00 A.M. EST June 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Elephant Butte, AZ. 16 km radius around center point, within 16 km, centered around NL 33-20-07; WL 111-26-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (ERP)	

MOBILE: Truth or Consequence, NM, within 16 km, centered around NL 32-55-46; WL 107-17-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (ERP)	

MOBILE: Lake Havasu City, AZ. flights over lake and desert, within 16 km, centered around NL 34-29-28; WL 114-21-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 W (ERP)	

MOBILE: near Willcox, AZ. operations cover various topographies in AZ, within 120 km, centered around NL 32-26-04; WL 110-16-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4200-4400 MHz	MO	100MF3N	9.02 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.

Special Conditions:

- (3) Raytheon Missile Systems must adhere to the following:
 - a. For operations at Truth or Consequence, NM, NL 32-55-46; WL 107-17-48, Raytheon must coordinate operations with the DoDAFC (WSMR), at least 96 hours prior to activation, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil
 - b. If operations require access to the nearby WSMR Restricted airspaces R-5111C, or R-5111D, Raytheon must coordinate for their use, at least 96 hours prior to activation, by calling WSMR Range Control at 575- 678-2221. This will also require Raytheon to obtain a WSMR Range sponsor, with whom Raytheon must schedule their operations as a WSMR Range Mission.
- (4) 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.