

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

EXPERIMENTAL

(Nature of Service)

WI9XGC

(Call Sign)

XT MO

(Class of Station)

0100-EX-ST-2015

(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:**

Airborne testing of radar seeker technology.

**Station Locations**

- (1) MOBILE: US airspace, below 10000 ft, around Pt. Loma, within 63 km, centered around NL 32-40-03; WL 117-14-23
- (2) MOBILE: operates in 50 km radius around airport, within 50 km, centered around NL 35-03-53; WL 118-09-22
- (3) MOBILE: operates in 63 km radius around the island, within 63 km, centered around NL 33-15-11; WL 119-31-29
- (4) MOBILE: 50 km radius around island, within 50 km, centered around NL 32-50-07; WL 118-25-26
- (5) MOBILE: 50 km radius around Lake Meade location, within 50 km, centered around NL 36-04-26; WL 114-45-59
- (6) MOBILE: 50 km radius around Lake Powell location, within 50 km, centered around NL 37-02-53; WL 111-17-49
- (7) MOBILE: 50 km radius around center, within 50 km, centered around NL 32-05-54; WL 110-56-58
- (8) MOBILE: 50 km radius around center US airspace, within 50 km, centered around NL 31-29-17; WL 110-34-16

This authorization effective March 15, 2015 and  
will expire 3:00 A.M. EST September 15, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: US airspace, below 10000 ft, around Pt. Loma, within 63 km, centered around NL 32-40-03; WL 117-14-23

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: operates in 50 km radius around airport, within 50 km, centered around NL 35-03-53; WL 118-09-22

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: operates in 63 km radius around the island, within 63 km, centered around NL 33-15-11; WL 119-31-29

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: 50 km radius around island, within 50 km, centered around NL 32-50-07; WL 118-25-26

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

## Frequency Information

MOBILE: 50 km radius around Lake Meade location, within 50 km, centered around NL 36-04-26; WL 114-45-59

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: 50 km radius around Lake Powell location, within 50 km, centered around NL 37-02-53; WL 111-17-49

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: 50 km radius around center, within 50 km, centered around NL 32-05-54; WL 110-56-58

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (ERP)    |                           |

MOBILE: 50 km radius around center US airspace, within 50 km, centered around NL 31-29-17; WL 110-34-16

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.235-17.3 GHz | MO            | 35M0P0N             | 19.5 kW (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 must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to operations at Mojave Airport, CA,, Pt Loma, CA and San Nicolas Island, CA to mitigate harmful interference to Navy and Marine Corps assignments. Raytheon must also comply with any and all restrictions that may be levied by WAFC.
- (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.
- (5) Stop buzzer is Thomas Fagan at (520) 794-0227 and (520) 465-7087.