

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

EXPERIMENTAL

(Nature of Service)

WM9XAS

(Call Sign)

XT MO

(Class of Station)

0537-EX-ST-2018

(File Number)

NAME SRI International

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 an experimental S-band radar system on a high altitude balloon.

**Station Locations**

- (1) MOBILE: 34N-37N lat, 117W-119W long, 5000 to 60,000 ft
- (2) MOBILE: 34N-37N lat, 117W-119W long, 5,000 to 60,000 ft
- (3) MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft
- (4) MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft
- (5) MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft
- (6) MOBILE: 34N-37N lat, 117W-119W long, 5000 to 60,000 ft

**Frequency Information**

MOBILE: 34N-37N lat, 117W-119W long, 5000 to 60,000 ft

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 910-920 MHz | MO            | 10M0F3D             | 2 W (ERP)        | 0.00001 %                 |
| 910-920 MHz | MO            | 10M0F3D             | 22 W (ERP)       | 0.00001 %                 |

This authorization effective April 16, 2018 and  
will expire 3:00 A.M. EST October 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: 34N-37N lat, 117W-119W long, 5,000 to 60,000 ft

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.98-3.02 GHz | MO            | 40M0M3N             | 7500 W (ERP)     | 0.00001 %                 |

MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 910-920 MHz | MO            | 10M0F3D             | 2 W (ERP)        | 0.00001 %                 |
| 910-920 MHz | MO            | 10M0F3D             | 22 W (ERP)       | 0.00001 %                 |

MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2.98-3.02 GHz | MO            | 40M0M3N             | 7500 W (ERP)     | 0.00001 %                 |

MOBILE: 34N-37N lat, 117W-119W long, 60,000 ft

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 1616-1626.5 MHz | MO            | 10M5M7D             | 14 W (ERP)       | 0.00001 %                 |

## Frequency Information

MOBILE: 34N-37N lat, 117W-119W long, 5000 to 60,000 ft

| Frequency       | Station<br>Class | Emission<br>Designator | Authorized<br>Power | Frequency<br>Tolerance (+/-) |
|-----------------|------------------|------------------------|---------------------|------------------------------|
| 1616-1626.5 MHz | MO               | 10M5M7D                | 14 W (ERP)          | 0.00001 %                    |