

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WG2XJA

(Call Sign)

XT MO

(Class of Station)

0039-EX-ML-2013

(File Number)

NAME DRS Tactical Systems, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Ft. Campbell, KY, within 10 km, centered around NL 36-40-18; WL 87-29-37
- (2) MOBILE: Ft. Stewart, GA, within 10 km, centered around NL 31-53-16; WL 81-33-45
- (3) MOBILE: Ft. Rucker, AL, within 10 km, centered around NL 31-16-46; WL 85-42-49
- (4) MOBILE: New River, NC, within 10 km, centered around NL 34-42-27; WL 77-26-24
- (5) MOBILE: Fort Hood, TX, within 10 km, centered around NL 31-08-41; WL 97-43-24
- (6) MOBILE: Nellis AFB, NV, within 10 km, centered around NL 36-14-10; WL 115-02-03
- (7) MOBILE: Melbourne, FL, within 10 km, centered around NL 28-05-54; WL 80-41-11
- (8) MOBILE: Davis-Monthan AFB, AZ, within 10 km, centered around NL 32-09-59; WL 110-52-59
- (9) MOBILE: Langley AFB, VA, within 10 km, centered around NL 37-04-58; WL 76-21-38
- (10) MOBILE: China Lake, CA, within 10 km, centered around NL 35-41-08; WL 117-41-31
- (11) MOBILE: Warner Robins AFB, GA, within 10 km, centered around NL 32-38-24; WL 83-35-30
- (12) MOBILE: Point Mugu, CA, within 10 km, centered around NL 34-05-08; WL 119-03-36
- (13) MOBILE: Eglin AFB, FL, within 10 km, centered around NL 30-29-22; WL 86-32-32
- (14) MOBILE: Mobile Ground Operations, within 10 km, centered around NL 37-24-54; WL 122-02-54
- (15) MOBILE: Mobile Ground Operations, within 10 km, centered around NL 30-58-04; WL 83-11-34
- (16) MOBILE: Mobile Ground Operations, within 10 km, centered around NL 28-14-06; WL 80-36-36
- (17) MOBILE: Mobile Ground Operations, within 10 km, centered around NL 34-40-23; WL 86-40-51
- (18) MOBILE: Mobile Ground Operations, within 10 km, centered around NL 40-53-13; WL 72-38-32

This authorization effective June 27, 2013 and  
will expire 3:00 A.M. EST September 20, 2014

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Ft. Campbell, KY, within 10 km, centered around NL 36-40-18; WL 87-29-37

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Ft. Stewart, GA, within 10 km, centered around NL 31-53-16; WL 81-33-45

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |

## Frequency Information

MOBILE: Ft. Stewart, GA, within 10 km, centered around NL 31-53-16; WL 81-33-45

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Ft. Rucker, AL, within 10 km, centered around NL 31-16-46; WL 85-42-49

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |

## Frequency Information

MOBILE: Ft. Rucker, AL, within 10 km, centered around NL 31-16-46; WL 85-42-49

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14-16 GHz | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: New River, NC, within 10 km, centered around NL 34-42-27; WL 77-26-24

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

## Frequency Information

MOBILE: Fort Hood, TX, within 10 km, centered around NL 31-08-41; WL 97-43-24

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Nellis AFB, NV, within 10 km, centered around NL 36-14-10; WL 115-02-03

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |

## Frequency Information

MOBILE: Nellis AFB, NV, within 10 km, centered around NL 36-14-10; WL 115-02-03

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Melbourne, FL, within 10 km, centered around NL 28-05-54; WL 80-41-11

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |

## Frequency Information

MOBILE: Melbourne, FL, within 10 km, centered around NL 28-05-54; WL 80-41-11

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14-16 GHz | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Davis-Monthan AFB, AZ, within 10 km, centered around NL 32-09-59; WL 110-52-59

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

## Frequency Information

MOBILE: Langley AFB, VA, within 10 km, centered around NL 37-04-58; WL 76-21-38

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: China Lake, CA, within 10 km, centered around NL 35-41-08; WL 117-41-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |

## Frequency Information

MOBILE: China Lake, CA, within 10 km, centered around NL 35-41-08; WL 117-41-31

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Warner Robins AFB, GA, within 10 km, centered around NL 32-38-24; WL 83-35-30

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |

## Frequency Information

MOBILE: Warner Robins AFB, GA, within 10 km, centered around NL 32-38-24; WL 83-35-30

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14-16 GHz | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Point Mugu, CA, within 10 km, centered around NL 34-05-08; WL 119-03-36

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

## Frequency Information

MOBILE: Eglin AFB, FL, within 10 km, centered around NL 30-29-22; WL 86-32-32

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 37-24-54; WL 122-02-54

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |

## Frequency Information

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 37-24-54; WL 122-02-54

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 30-58-04; WL 83-11-34

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |

## Frequency Information

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 30-58-04; WL 83-11-34

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14-16 GHz | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 28-14-06; WL 80-36-36

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

## Frequency Information

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 34-40-23; WL 86-40-51

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz  | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (ERP)     |                           |

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 40-53-13; WL 72-38-32

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3000-3650 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |
| 3700-5000 MHz | MO            | N0N<br>20M0PXN      | 180 mW (ERP)     |                           |

## Frequency Information

MOBILE: Mobile Ground Operations, within 10 km, centered around NL 40-53-13; WL 72-38-32

| Frequency      | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|----------------|---------------|---------------------|------------------|---------------------------|
| 8000-9000 MHz  | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 9200-12000 MHz | MO            | N0N<br>20M0PXN      | 600 mW (ERP)     |                           |
| 14-16 GHz      | MO            | N0N<br>20M0PXN      | 220 mW (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The designated point-of-contact to terminate transmissions if interference occurs are MR. PHIL NIOSI AT 321-368-0768 OR MR. CHRIS DELAERE AT 321-368-5420

**Special Conditions:**

(5) Licensee must notch out the following frequencies in the listed locations:

a) New River, NC:

8160 MHz +/- 30 MHz  
8050 MHz +/- 30 MHz  
9410 MHz  
9415 MHz  
9500 MHz  
10280 MHz  
10290 MHz  
10300 MHz  
10310 MHz  
10320 MHz  
10525 MHz  
14511.25 MHz  
14591.25 MHz  
14671.25 MHz  
15151.25 MHz  
15231.25 MHz  
15311.25 MHz

- (6) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH DOD AFC NELLIS 702-652-3393
- (7) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH DOD EAFC 321-494-5838.
- (8) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH DAVIS MONTHAN ISM 520-228-6845
- (9) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH MIDAFC 301-342-1194
- (10) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH WAFC 760-939-6948
- (11) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH WARNER ROBINS ISM 478-222-3799
- (12) PRIOR TO ACTIVATION, APPLICANT MUST COORDINATE WITH DOD GAFC 850-883-5982