

**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)

0121-EX-ML-2014

(File Number)

NAME DRS Network & Imaging Systems, LLC

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 November 26, 2014 and
will expire 3:00 A.M. EST September 01, 2019

**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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 mW (ERP)	

Frequency Information

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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 mW (ERP)	

Frequency Information

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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 mW (ERP)	

Frequency Information

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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 mW (ERP)	

Frequency Information

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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	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 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	220 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 (+/-)
3000-3650 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
3700-5000 MHz	MO	N0N 20M0P0N	180 mW (ERP)	
8000-9000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
9200-12000 MHz	MO	N0N 20M0P0N	600 mW (ERP)	
0.614-1 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
14-16 GHz	MO	N0N 20M0P0N	220 mW (ERP)	
30-40 GHz	MO	N0N 20M0P0N	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.

Special Conditions:

- (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. STEVE SHAFER AT 321-505-8098 OR MR. CHRIS DELAERE AT 321-368-5420
- (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
- (13) Licensee must exclude the frequencies 31300-31800 MHz
- (14) Licensee shall exclude frequencies in the 758-768 MHz/788-798 MHz Firstnet bands.
- (15) This licensee supersedes previous grant to remove the Firstnet frequencies.