

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ2XNG

(Call Sign)

0142-EX-CN-2018

(File Number)

NAME SRI International

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17
- (2) MOBILE: Menlo Park, CA, within 100 km, centered around NL 37-27-30; WL 122-10-33
- (3) MOBILE: Tracy, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-44-00; WL 121-25-48
- (4) MOBILE: Crows Landing, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-23-37; WL 121-04-20
- (5) MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12
- (6) MOBILE: Ann Arbor, MI, within 100 km, centered around NL 42-18-21; WL 83-41-44
- (7) MOBILE: Ann Arbor, MI, within 100 km, centered around NL 42-18-21; WL 83-41-44
- (8) MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17
- (9) MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17
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- (12) MOBILE: Tracy, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-44-00; WL 121-25-48
- (13) MOBILE: Tracy, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-44-00; WL 121-25-48
- (14) MOBILE: Baltic, SD: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-45-54; WL 96-44-24
- (15) MOBILE: Baltic, SD: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-45-54; WL 96-44-24

This authorization effective July 13, 2018 and
will expire 3:00 A.M. EST July 01, 2020

FEDERAL
COMMUNICATIONS
COMMISSION



Station Locations

- (16) MOBILE: Crows Landing, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-23-37; WL 121-04-20
- (17) MOBILE: Crows Landing, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-23-37; WL 121-04-20
- (18) MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12
- (19) MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12

Frequency Information

MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3 GHz	MO	200MM3N	7500 W (ERP)	0.00001 %

MOBILE: Menlo Park, CA, within 100 km, centered around NL 37-27-30; WL 122-10-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3 GHz	MO	200MM3N	7500 W (ERP)	0.00001 %

MOBILE: Tracy, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-44-00; WL 121-25-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3 GHz	MO	200MM3N	7500 W (ERP)	0.00001 %

MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3 GHz	MO	200MM3N	7500 W (ERP)	0.00001 %

MOBILE: Ann Arbor, MI, within 100 km, centered around NL 42-18-21; WL 83-41-44

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

MOBILE: Ann Arbor, MI, within 100 km, centered around NL 42-18-21; WL 83-41-44

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

Frequency Information

MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17

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

MOBILE: Muskegon, MI: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-09-52; WL 86-14-17

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

MOBILE: Menlo Park, CA, within 100 km, centered around NL 37-27-30; WL 122-10-33

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915 MHz	MO	10M0F3D	2 W (ERP)	0.00001 %

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MOBILE: Baltic, SD: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-45-54; WL 96-44-24

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

MOBILE: Baltic, SD: max altitude 20,000 ft. AGL, within 100 km, centered around NL 43-45-54; WL 96-44-24

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

Frequency Information

MOBILE: Crows Landing, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-23-37; WL 121-04-20

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

MOBILE: Crows Landing, CA: max altitude 20,000 ft. AGL, within 100 km, centered around NL 37-23-37; WL 121-04-20

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

MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12

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

MOBILE: Elko NV: max altitude 20,000 ft. AGL, within 100 km, centered around NL 40-49-48; WL 115-46-12

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

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Licensee must obtain consent from Location & Monitoring Service licensees (902-928 MHz) within 322 km of the contours of the testing area.
- (3) Operation on 3 GHz at Ann Arbor, MI and Baltic, SD is not permitted due to harmful interference anticipated to Detroit, MI and Sioux Falls, SD NEXRADs, respectively.