

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

EXPERIMENTAL

(Nature of Service)

WI9XRI

(Call Sign)

XT FX MO

(Class of Station)

0647-EX-ST-2015

(File Number)

NAME Rurisond, Inc.

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:

To conduct research into the performance and reliability of prototype equipment and associated software.

Station Locations

- (1) Mountain View (SANTA CLARA), CA - NL 37-24-12; WL 122-06-45; MOBILE: Within aggregate area established by all locations
- (2) Sebastapol, CA - NL 38-26-05; WL 122-56-34; MOBILE: Within aggregate area established by all locations
- (3) Belmont, CA - NL 37-31-00; WL 122-19-08; MOBILE: Within aggregate area established by all locations
- (4) Woodland, CA - NL 38-41-09; WL 121-46-38; MOBILE: Within aggregate area established by all locations
- (5) Redwood City, CA - NL 37-27-10; WL 122-13-55; MOBILE: Within aggregate area established by all locations
- (6) Pollock Pines, CA - NL 38-42-37; WL 120-37-29; MOBILE: Within aggregate area established by all locations
- (7) San Francisco, CA - NL 37-45-24; WL 122-28-42; MOBILE: Within aggregate area established by all locations
- (8) South Lake Tahoe, CA - NL 38-56-32; WL 119-56-44; MOBILE: Within aggregate area established by all locations
- (9) MOBILE: Within aggregate area established by all locations

This authorization effective July 13, 2015 and
will expire 3:00 A.M. EST January 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-12; WL 122-06-45; MOBILE: Within aggregate area established by all locatio

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-12; WL 122-06-45; MOBILE: Within aggregate area established by all locatio

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Mountain View (SANTA CLARA), CA - NL 37-24-12; WL 122-06-45; MOBILE: Within aggregate area established by all locatio

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Sebastapol, CA - NL 38-26-05; WL 122-56-34; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Sebastapol, CA - NL 38-26-05; WL 122-56-34; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Sebastapol, CA - NL 38-26-05; WL 122-56-34; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Belmont, CA - NL 37-31-00; WL 122-19-08; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Belmont, CA - NL 37-31-00; WL 122-19-08; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Belmont, CA - NL 37-31-00; WL 122-19-08; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Woodland, CA - NL 38-41-09; WL 121-46-38; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Woodland, CA - NL 38-41-09; WL 121-46-38; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Woodland, CA - NL 38-41-09; WL 121-46-38; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Redwood City, CA - NL 37-27-10; WL 122-13-55; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Redwood City, CA - NL 37-27-10; WL 122-13-55; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Redwood City, CA - NL 37-27-10; WL 122-13-55; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Pollock Pines, CA - NL 38-42-37; WL 120-37-29; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Pollock Pines, CA - NL 38-42-37; WL 120-37-29; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

Pollock Pines, CA - NL 38-42-37; WL 120-37-29; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

San Francisco, CA - NL 37-45-24; WL 122-28-42; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

San Francisco, CA - NL 37-45-24; WL 122-28-42; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

San Francisco, CA - NL 37-45-24; WL 122-28-42; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

South Lake Tahoe, CA - NL 38-56-32; WL 119-56-44; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

South Lake Tahoe, CA - NL 38-56-32; WL 119-56-44; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.11-2.17 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
9.109-9.8 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

South Lake Tahoe, CA - NL 38-56-32; WL 119-56-44; MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12.216-12.221 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
13.419-13.86 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	
47.01-49.57 MHz	FX	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.7125-1.717 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
1.743-1.78 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
2.11-2.17 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
3.05-3.21 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
4.444-4.624 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
5.05-5.072 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
6.75-7.2 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
8.098-8.36 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.109-9.8 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
10.15-10.94 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
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13.419-13.86 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
14.448-14.53 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
30.6-31.5 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
35.14-35.78 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	
43.8-44.56 MHz	MO	2K80F2D 2K80G2D	5 W (ERP)	

Frequency Information

MOBILE: Within aggregate area established by all locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
47.01-49.57 MHz	MO	2K80F2D 2K80G2D	5 W (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.
- (3) Rurison, INC. must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Heaton at (760) 939-6948 (Jamie.heaton@navy.mil) prior to any operations to mitigate harmful interference to Navy and Marine Corps assignments. Rurison, INC. must also comply with any and all restrictions that may be levied by WAFC.
- (4) Stop Buzzer Mr. Thomas Riddle, 650-208-5332 must be available during all phases of transmissions.
- (5) 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.