

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XJP

(Call Sign)

0227-EX-RR-2010

(File Number)

NAME ARINC Incorporated

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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06;
WL 97-42-23

Frequency Information

MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06; WL 97-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.01 MHz	MO	NON NON	25 W (ERP)	0.001 %
2.211 MHz	MO	NON	25 W (ERP)	0.001 %
2.4321 MHz	MO	NON	25 W (ERP)	0.001 %
2.6753 MHz	MO	NON	25 W (ERP)	0.001 %

This authorization effective September 01, 2010 and
will expire 3:00 A.M. EST September 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06; WL 97-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.9428 MHz	MO	N0N	25 W (ERP)	0.001 %
3.2371 MHz	MO	N0N	25 W (ERP)	0.001 %
3.5608 MHz	MO	N0N	25 W (ERP)	0.001 %
3.9169 MHz	MO	N0N	25 W (ERP)	0.001 %
4.3086 MHz	MO	N0N	25 W (ERP)	0.001 %
4.7395 MHz	MO	N0N	25 W (ERP)	0.001 %
4.9291 MHz	MO	N0N	25 W (ERP)	0.001 %
5.1262 MHz	MO	N0N	25 W (ERP)	0.001 %
5.3313 MHz	MO	N0N	25 W (ERP)	0.001 %
5.5445 MHz	MO	N0N	25 W (ERP)	0.001 %

Frequency Information

MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06; WL 97-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.7663 MHz	MO	N0N	25 W (ERP)	0.001 %
5.9969 MHz	MO	N0N	25 W (ERP)	0.001 %
6.2368 MHz	MO	N0N	25 W (ERP)	0.001 %
6.4863 MHz	MO	N0N	25 W (ERP)	0.001 %
7.0156 MHz	MO	N0N	25 W (ERP)	0.001 %
7.2962 MHz	MO	N0N	25 W (ERP)	0.001 %
7.5881 MHz	MO	N0N	25 W (ERP)	0.001 %
7.8916 MHz	MO	N0N	25 W (ERP)	0.001 %
8.2072 MHz	MO	N0N	25 W (ERP)	0.001 %
8.5355 MHz	MO	N0N	25 W (ERP)	0.001 %

Frequency Information

MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06; WL 97-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.8769 MHz	MO	N0N	25 W (ERP)	0.001 %
9.232 MHz	MO	N0N	25 W (ERP)	0.001 %
9.6013 MHz	MO	N0N	25 W (ERP)	0.001 %
9.9854 MHz	MO	N0N	25 W (ERP)	0.001 %
10.3848 MHz	MO	N0N	25 W (ERP)	0.001 %
10.8002 MHz	MO	N0N	25 W (ERP)	0.001 %
11.2322 MHz	MO	N0N	25 W (ERP)	0.001 %
11.6815 MHz	MO	N0N	25 W (ERP)	0.001 %
12.1487 MHz	MO	N0N	25 W (ERP)	0.001 %
12.6347 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.1401 MHz	MO	N0N	1 W (ERP)	0.001 %
13.6657 MHz	MO	N0N	1 W (ERP)	0.001 %
14.2123 MHz	MO	N0N	1 W (ERP)	0.001 %
14.7808 MHz	MO	N0N	1 W (ERP)	0.001 %
15.372 MHz	MO	N0N	1 W (ERP)	0.001 %
15.9869 MHz	MO	N0N	1 W (ERP)	0.001 %
16.6264 MHz	MO	N0N	1 W (ERP)	0.001 %
17.2914 MHz	MO	N0N	1 W (ERP)	0.001 %
18.7024 MHz	MO	N0N	1 W (ERP)	0.001 %
19.4505 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20.2285 MHz	MO	N0N	1 W (ERP)	0.001 %
21.0376 MHz	MO	N0N	1 W (ERP)	0.001 %
21.8792 MHz	MO	N0N	1 W (ERP)	0.001 %
22.7543 MHz	MO	N0N	1 W (ERP)	0.001 %
23.6645 MHz	MO	N0N	1 W (ERP)	0.001 %
24.6111 MHz	MO	N0N	1 W (ERP)	0.001 %
25.5955 MHz	MO	N0N	1 W (ERP)	0.001 %
26.6193 MHz	MO	N0N	1 W (ERP)	0.001 %
27.6841 MHz	MO	N0N	1 W (ERP)	0.001 %
28.7915 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.075 MHz	MO	N0N	1 W (ERP)	0.001 %
34.729 MHz	MO	N0N	1 W (ERP)	0.001 %
36.465 MHz	MO	N0N	1 W (ERP)	0.001 %
38.288 MHz	MO	N0N	1 W (ERP)	0.001 %
40.203 MHz	MO	N0N	1 W (ERP)	0.001 %
42.213 MHz	MO	N0N	1 W (ERP)	0.001 %
44.324 MHz	MO	N0N	1 W (ERP)	0.001 %
48.867 MHz	MO	N0N	1 W (ERP)	0.001 %
51.31 MHz	MO	N0N	1 W (ERP)	0.001 %
53.876 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
56.569 MHz	MO	N0N	1 W (ERP)	0.001 %
59.398 MHz	MO	N0N	1 W (ERP)	0.001 %
62.368 MHz	MO	N0N	1 W (ERP)	0.001 %
65.486 MHz	MO	N0N	1 W (ERP)	0.001 %
68.761 MHz	MO	N0N	1 W (ERP)	0.001 %
72.199 MHz	MO	N0N	1 W (ERP)	0.001 %
75.809 MHz	MO	N0N	1 W (ERP)	0.001 %
79.599 MHz	MO	N0N	1 W (ERP)	0.001 %
83.579 MHz	MO	N0N	1 W (ERP)	0.001 %
87.758 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92.146 MHz	MO	N0N	1 W (ERP)	0.001 %
96.753 MHz	MO	N0N	1 W (ERP)	0.001 %
101.591 MHz	MO	N0N	1 W (ERP)	0.001 %
106.67 MHz	MO	N0N	1 W (ERP)	0.001 %
131.27 MHz	MO	N0N	1 W (ERP)	0.001 %
137.84 MHz	MO	N0N	1 W (ERP)	0.001 %
139.22 MHz	MO	N0N	1 W (ERP)	0.001 %
140.61 MHz	MO	N0N	1 W (ERP)	0.001 %
142.02 MHz	MO	N0N	1 W (ERP)	0.001 %
143.44 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
144.87 MHz	MO	N0N	1 W (ERP)	0.001 %
146.32 MHz	MO	N0N	1 W (ERP)	0.001 %
147.78 MHz	MO	N0N	1 W (ERP)	0.001 %
152.26 MHz	MO	N0N	1 W (ERP)	0.001 %
153.78 MHz	MO	N0N	1 W (ERP)	0.001 %
155.32 MHz	MO	N0N	1 W (ERP)	0.001 %
158.44 MHz	MO	N0N	1 W (ERP)	0.001 %
160.03 MHz	MO	N0N	1 W (ERP)	0.001 %
161.63 MHz	MO	N0N	1 W (ERP)	0.001 %
163.24 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
164.88 MHz	MO	N0N	1 W (ERP)	0.001 %
166.52 MHz	MO	N0N	1 W (ERP)	0.001 %
168.19 MHz	MO	N0N	1 W (ERP)	0.001 %
171.57 MHz	MO	N0N	1 W (ERP)	0.001 %
173.29 MHz	MO	N0N	1 W (ERP)	0.001 %
175.02 MHz	MO	N0N	1 W (ERP)	0.001 %
183.77 MHz	MO	N0N	1 W (ERP)	0.001 %
192.96 MHz	MO	N0N	1 W (ERP)	0.001 %
202.61 MHz	MO	N0N	1 W (ERP)	0.001 %
212.74 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
223.37 MHz	MO	N0N	1 W (ERP)	0.001 %
234.54 MHz	MO	N0N	1 W (ERP)	0.001 %
246.27 MHz	MO	N0N	1 W (ERP)	0.001 %
258.58 MHz	MO	N0N	1 W (ERP)	0.001 %
261.17 MHz	MO	N0N	1 W (ERP)	0.001 %
263.78 MHz	MO	N0N	1 W (ERP)	0.001 %
266.42 MHz	MO	N0N	1 W (ERP)	0.001 %
269.08 MHz	MO	N0N	1 W (ERP)	0.001 %
271.77 MHz	MO	N0N	1 W (ERP)	0.001 %
274.49 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
277.23 MHz	MO	N0N	1 W (ERP)	0.001 %
280.01 MHz	MO	N0N	1 W (ERP)	0.001 %
282.81 MHz	MO	N0N	1 W (ERP)	0.001 %
288.49 MHz	MO	N0N	1 W (ERP)	0.001 %
291.38 MHz	MO	N0N	1 W (ERP)	0.001 %
294.29 MHz	MO	N0N	1 W (ERP)	0.001 %
297.23 MHz	MO	N0N	1 W (ERP)	0.001 %
300.21 MHz	MO	N0N	1 W (ERP)	0.001 %
315.22 MHz	MO	N0N	1 W (ERP)	0.001 %
347.53 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
364.9 MHz	MO	N0N	1 W (ERP)	0.001 %
383.15 MHz	MO	N0N	1 W (ERP)	0.001 %
402.3 MHz	MO	N0N	1 W (ERP)	0.001 %
406.33 MHz	MO	N0N	1 W (ERP)	0.001 %
410.39 MHz	MO	N0N	1 W (ERP)	0.001 %
414.49 MHz	MO	N0N	1 W (ERP)	0.001 %
418.64 MHz	MO	N0N	1 W (ERP)	0.001 %
422.83 MHz	MO	N0N	1 W (ERP)	0.001 %
427.05 MHz	MO	N0N	1 W (ERP)	0.001 %
431.32 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
435.64 MHz	MO	N0N	1 W (ERP)	0.001 %
439.99 MHz	MO	N0N	1 W (ERP)	0.001 %
444.39 MHz	MO	N0N	1 W (ERP)	0.001 %
448.84 MHz	MO	N0N	1 W (ERP)	0.001 %
453.33 MHz	MO	N0N	1 W (ERP)	0.001 %
457.86 MHz	MO	N0N	1 W (ERP)	0.001 %
462.44 MHz	MO	N0N	1 W (ERP)	0.001 %
467.06 MHz	MO	N0N	1 W (ERP)	0.001 %
471.73 MHz	MO	N0N	1 W (ERP)	0.001 %
490.42 MHz	MO	N0N	1 W (ERP)	0.001 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
514.94 MHz	MO	N0N	1 W (ERP)	0.001 %
540.68 MHz	MO	N0N	1 W (ERP)	0.001 %
567.72 MHz	MO	N0N	1 W (ERP)	0.001 %
596.1 MHz	MO	N0N	1 W (ERP)	0.001 %
625.91 MHz	MO	N0N	1 W (ERP)	0.001 %
657.2 MHz	MO	N0N	1 W (ERP)	0.001 %
690.06 MHz	MO	N0N	1 W (ERP)	0.001 %
724.57 MHz	MO	N0N	1 W (ERP)	0.001 %
760.79 MHz	MO	N0N	1 W (ERP)	0.001 %
798.83 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
831.03 MHz	MO	N0N	1 W (ERP)	0.001 %
839.34 MHz	MO	N0N	1 W (ERP)	0.001 %
847.73 MHz	MO	N0N	1 W (ERP)	0.001 %
856.21 MHz	MO	N0N	1 W (ERP)	0.001 %
864.77 MHz	MO	N0N	1 W (ERP)	0.001 %
873.42 MHz	MO	N0N	1 W (ERP)	0.001 %
882.15 MHz	MO	N0N	1 W (ERP)	0.001 %
890.97 MHz	MO	N0N	1 W (ERP)	0.001 %
899.88 MHz	MO	N0N	1 W (ERP)	0.001 %
908.88 MHz	MO	N0N	1 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
917.97 MHz	MO	N0N	1 W (ERP)	0.001 %
936.42 MHz	MO	N0N	1 W (ERP)	0.001 %
945.79 MHz	MO	N0N	1 W (ERP)	0.001 %
955.24 MHz	MO	N0N	1 W (ERP)	0.001 %
964.8 MHz	MO	N0N	1 W (ERP)	0.001 %
1013.04 MHz	MO	N0N	10 W (ERP)	0.001 %
1063.69 MHz	MO	N0N	10 W (ERP)	0.001 %
1231.35 MHz	MO	N0N	10 W (ERP)	0.001 %
1425.45 MHz	MO	N0N	10 W (ERP)	0.001 %
1525.15 MHz	MO	N0N	10 W (ERP)	0.001 %

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1699.63 MHz	MO	N0N	10 W (ERP)	0.001 %
1716.63 MHz	MO	N0N	10 W (ERP)	0.001 %
1733.8 MHz	MO	N0N	10 W (ERP)	0.001 %
1751.14 MHz	MO	N0N	10 W (ERP)	0.001 %
1768.65 MHz	MO	N0N	10 W (ERP)	0.001 %
1786.33 MHz	MO	N0N	10 W (ERP)	0.001 %
1804.2 MHz	MO	N0N	10 W (ERP)	0.001 %
1822.24 MHz	MO	N0N	10 W (ERP)	0.001 %
1840.46 MHz	MO	N0N	10 W (ERP)	0.001 %
1858.87 MHz	MO	N0N	10 W (ERP)	0.001 %

Frequency Information

MOBILE: Yukon (CANADIAN), Oklahoma, within 80 km, centered around NL 35-36-06; WL 97-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1877.45 MHz	MO	N0N	10 W (ERP)	0.001 %
1896.23 MHz	MO	N0N	10 W (ERP)	0.001 %
1915.19 MHz	MO	N0N	10 W (ERP)	0.001 %
1934.34 MHz	MO	N0N	10 W (ERP)	0.001 %
1953.69 MHz	MO	N0N	10 W (ERP)	0.001 %
1973.22 MHz	MO	N0N	10 W (ERP)	0.001 %
1992.96 MHz	MO	N0N	10 W (ERP)	0.001 %
1999.99 MHz	MO	N0N	10 W (ERP)	0.001 %

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) Operations on 6.7458 MHz, 17.9831 MHz, 156.87 MHz and 168.87 MHz are denied due to potential interference to existing users.
- (3) Licensee shall comply with blanking requirements on the following frequencies.
 1. Blank transmissions +/- 2 MHz from 1211 MHz.
 2. Blank transmissions +/- 10 MHz from 1227.6 MHz.
 3. Blank transmissions +/- 12 MHz from 1575.45 MHz.

Special Conditions:

- (4) The following frequencies are denied due to potential interference to the FAA: FAA that indicates they will receive interference if the following frequencies are used and therefore, in MHz 113.4, 119.07, 125.02, 285.63, 330.98, 1116.87, 1172.72, 1292.92, 1357.57.
- (5) Operation is subject to prior coordination with local SBE for using these frequencies: 79.599 MHz, 62.368 MHz, 65.486 MHz, 68.761 MHz, 83.579 MHz, 87.758 MHz, 92.146 MHz, 96.753 MHz, 101.591 MHz, 106.67 MHz, 173.29 MHz, 163.24 MHz, 164.88 MHz, 166.52 MHz, 168.19 MHz, 171.57 MHz, 175.02 MHz, 183.77 MHz, 192.96 MHz, 202.61 MHz, 212.74 MHz, 56.569 MHz, 59.398 MHz, 153.78 MHz, 158.44 MHz, 160.03 MHz, 161.63 MHz, 453.33 MHz, 471.73 MHz, 490.42 MHz, 514.94 MHz, 540.68 MHz, 567.72 MHz, 945.79 MHz, 955.24 MHz, 1953.69 MHz, 1973.22 MHz, 1992.96 MHz, 760.79 MHz, 596.1 MHz, 625.91 MHz, 657.2 MHz, 690.06 MHz, 724.57 MHz, 798.83 MHz.
- (6) Operation is subject to prior coordination with Fixed Microwave licensees within 160 km from the transmitter site for using these frequencies: 1858.87 MHz, 1877.45 MHz, 1896.23 MHz, 1915.19 MHz, and 1934.34 MHz.
- (7) Operation is subject to prior coordination with existing and future Advanced Wireless Services licensees for using these frequencies: 1716.63 MHz, 1733.8 MHz and 1751.14 MHz.
- (8) No operation is allowed to use the following frequencies: 92.146 MHz, 96.753 MHz, 101.591 MHz, 106.67 MHz, 1231.35 MHz, 1425.25 MHz, and the band 234.54 - 383.15 MHz.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the Department of Army contract number DAAB0703DB006/0056. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (10) The stop buzzer, Jole Cline, phone 405-219-3400 or 405-200-9665 must be available during the test to terminate transmissions if interference occurs.