

APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5
OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

<p>1. Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See Instruction No. 4)</p> <p>ITRON, Inc. 2818 North Sullivan Road Spokane, Washington 99216</p>	<p style="text-align: center;">DO NOT WRITE IN THIS BLOCK</p> <p>File No.</p> <p style="text-align: center; font-size: 1.5em;">3280 - EX - PL - 94 4538</p>
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<p>2(a). Application for (check only one box)</p> <p><input type="checkbox"/> New station <input checked="" type="checkbox"/> Modification of existing authorization</p>	<p>2(b). For Modification indicate below:</p> <p>File No: 3280-EX-ML-92 Call Sign: KA2XMJ</p>
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3. Application for modification indicate whether change is an addition or replacement of (check all that apply)

FREQUENCY EMISSION POWER LOCATION

OTHER PARTICULARS (describe below or in attached EXHIBIT No. 1)

4. Particulars of Operation (see instruction below)

Frequency (state whether kHz or MHz) (A)	POWER			EMISSION (E)	MODULATING SIGNAL (F)	NECESSARY BANDWIDTH (kHz) (G)
	(B)	(C)	(D)			
928 MHz	10 Watts	20 Watts	Mean	12K5F2D	4800 Hz	12.5 (Note 1)
952 MHz	10 Watts	20 Watts	Mean	100HA2D	50 Hz	0.1 (Note 1)
952 MHz	1 Watt	1 Watt	Peak	800HA2D	400 Hz	0.8 (Note 1)
952 MHz	10 Watts	20 Watts	Mean	12K5F2D	4800 Hz	12.5 (Note 1)
952 MHz	1 Watt	1 Watt	Peak	1K21A2D	600 Hz	1.21 (Note 1)
952 MHz	1 Watt	1 Watt	Peak	2K00A2D	1000 Hz	2.0 (Note 1)
956 MHz	10 Watts	20 Watts	Mean	100HA2D	50 Hz	0.1 (Note 1)
956 MHz	1 Watt	1 Watt	Peak	1K21A2D	605 Hz	1.21 (Note 1)
956 MHz	1 Watt	1 Watt	Peak	2K00A2D	1000 Hz	2.0 (Note 1)
959 MHz	1 Watt	1 Watt	Peak	2K00A2D	1000 Hz	2.0 (Note 1)
959 MHz	1 Watt	1 Watt	Peak	1K21A2D	605 Hz	1.21 (Note 1)

- (A) List each frequency or frequency band separately. (If more space is required, attach as EXHIBIT No. _____)
- (B) Insert maximum R.F. output power at the transmitter terminals. Specify units.
- (C) Insert maximum effective radiated power from the antenna (If pulsed emission, specify peak power).
- (D) Insert "MEAN" or "PEAK" (See definitions in Part 5).
- (E) List each type of emission separately for each frequency. (See Section 2.201 of FCC Rules)
- (F) Insert as appropriate for the type of modulation:
- (1) the maximum speed of keying in bauds;
 - (2) maximum audio modulating frequency;
 - (3) frequency deviation of carrier;
 - (4) pulse duration and repetition rate.
- For complex emissions, describe in detail in the space provided below.
- (G) Describe how the necessary bandwidth was determined in space provided below.

Note 1: Bandwidth derived from Section 2.202 of the Commission's Rules.

14. Is the equipment listed in Item 13 capable of station identification pursuant to Section 5.152? YES NO

15. Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? YES NO

If "YES", give the following (see instruction 9):

(a) Overall height above ground to tip of antenna is _____ meters.

(b) Elevation of ground at antenna site above mean sea level is _____ meters.

(c) Distance to nearest aircraft landing area is _____ kilometers.

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.

(e) Submit as EXHIBIT No. _____ a vertical profile sketch of total structure including supporting building, if any, giving heights in meters above ground for all significant features. Clearly indicate existing portion, noting particulars of aviation obstruction lighting already available.

16. Applicant is (Check only one box)

INDIVIDUAL ASSOCIATION PARTNERSHIP CORPORATION

OTHER (describe below)

17. Is applicant a foreign government or a representative of a foreign government? YES NO

18. Has applicant or any party to this application had any FCC station license or permit revoked or had any application for permit, license or renewal denied by this Commission? YES NO

If "YES", attach as EXHIBIT No. _____ a statement giving call sign of license or permit revoked and relate circumstances.

19. Will applicant be owner and operator of the station? YES NO

20. Give name, title, and telephone number (include area code) of person who can best handle inquiries pertaining to this application.

**Mr. Scott Cumeralto (800) 635-5461, Extension 446
Senior Systems Engineer**

21. APPLICANT ANTI-DRUG ABUSE CERTIFICATION:

By checking "YES", the applicant certifies that, in the case of an individual applicant, he or she is not subject to denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862, or, in the case of a non-individual applicant (e.g., corporation, partnership, or other unincorporated association), no party to the applicant is subject to a denial of federal benefits, that includes FCC benefits, pursuant to that section. For the definition of "party" for these purposes, see 47 CFR 1.2002(b). YES NO

22. List below all exhibits in numerical sequence and the item number of form requiring the exhibit identified.

EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM NO. OF FORM
1	3, 5b, 5c, 5d				
2	10				

23. CERTIFICATION:

Attention: Read this certification carefully before signing this application.

THE APPLICANT CERTIFIES THAT:

- (a) Copies of FCC Rule Parts 2 and 5 are on hand; and
- (b) Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- (c) All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- (d) Grant of the authorization requested herein will not be construed as a finding on the part of the Commission:
 - (1) that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
 - (2) that the applicant will be authorized to operate on any basis other than experimental, and
 - (3) that the Commission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis

APPLICANT CERTIFIES FURTHER THAT:

- (e) All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- (f) The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- (g) The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Signed and dated this 31st day of October, 1994

Name of Applicant Itron, Inc.

(must correspond with name given on page 1)

By DOUGLAS G. STEWART *Douglas G. Stewart*

(print)

(signature)

Title Senior Project Manager

Check appropriate classification:

- Individual applicant Member of applicant partnership
 Authorized employee Office of applicant corporation or association

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18 Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 603).

**NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974
AND THE PAPERWORK REDUCTION ACT OF 1980**

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specifically by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory responsibilities rendered the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required to obtain this authorization.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.