

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
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 - (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 4th day of September, 19 98

Name of Applicant Satellite CD Radio, Inc.
(must correspond with name given on page 1)

By Robert D. Briskman *Robert D. Briskman*
(print) (signature)

Title President

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 503).

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 specified 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 by 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.

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EXHIBIT I

By this application, Satellite CD Radio, Inc. (CD Radio), will begin testing of S-Band terrestrial repeater ground stations for its satellite Digital Audio Radio Service (DARS) system. The overall purpose of the requested experimentation is to finalize the engineering of CD Radio's terrestrial repeaters. CD Radio expects that this effort will yield significant new information about power levels required to ensure satellite DARS reception in urban "canyons" and near other obstacles, and will permit as well measurement of out-of-band emissions from such terrestrial stations.

Specifically, CD Radio plans:

1. To measure objective (e.g., signal strength, delay speed, multipath, etc.) and subjective (e.g., music quality) transmission performance using parameter values of operational system.
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- c) Out-of-band emissions and spectral occupancy will be measured, including sidelobe regrowth due to transmitter non-linearity.

EXHIBIT II



FCC FORM 442

FCC/MELLON
FOR USE ONLY

DUPLICATE
SEP 04 1998

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

| | | | | | | | | | | | | |
|---|-------------------------------|--|--------------------------|--|--|--|--|--|--|----------|---|--|
| SECTION I | | | | | | | | | | | | |
| APPLICANT NAME (Last, first, middle initial) Satellite CD Radio, Inc. | | | | | | | | | | | | |
| MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form) 2175 K Street, NW | | | | | | | | | | | | |
| MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters) 6th Floor | | | | | | | | | | | | |
| CITY Washington | | | | | | | | | | | | |
| STATE OR COUNTRY (if foreign address) DC | | ZIP CODE 20037 | CALL SIGN OR FILE NUMBER | | | | | | | | | |
| Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in FCC Fee Filing Guides. Enter in Column (B) the Fee Multiple, if applicable. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number entered in Column (B), if any. | | | | | | | | | | | | |
| (A) | (B) | (C) | FOR FCC USE ONLY | | | | | | | | | |
| FEE TYPE CODE | FEE MULTIPLE (if required) | FEE DUE FOR FEE TYPE CODE IN COLUMN (A) | | | | | | | | | | |
| (1) <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:20px; height:20px; text-align:center;">E</td><td style="width:20px; height:20px; text-align:center;">A</td><td style="width:20px; height:20px; text-align:center;">E</td></tr></table> | E | A | E | <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:20px; height:20px;"></td><td style="width:20px; height:20px;"></td><td style="width:20px; height:20px;"></td><td style="width:20px; height:20px;"></td></tr></table> | | | | | <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:100px; height:20px; text-align:center;">\$ 45.00</td></tr></table> | \$ 45.00 | <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:100px; height:20px;"></td></tr></table> | |
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| SECTION II - To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code. | | | | | | | | | | | | |
| (A) | (B) | (C) | FOR FCC USE ONLY | | | | | | | | | |
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| ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE. | | <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:100px; height:20px; text-align:center;">TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING</td></tr><tr><td style="width:100px; height:20px; text-align:center;">\$ 45.00</td></tr></table> | TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING | \$ 45.00 | <table border="1" style="display:inline-table; border-collapse: collapse;"><tr><td style="width:100px; height:20px;"></td></tr></table> | | | | | | | |
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**APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5
OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)**

| | |
|---|---|
| 1. Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See instruction No. 4) Satellite CD Radio, Inc. 2175 K Street, NW, 6th Floor Washington, DC 20037 | File No. DO NOT WRITE IN THIS BLOCK |
|---|---|

| | |
|---|--|
| 2(a). Application for (check only one box) <input checked="" type="checkbox"/> New station <input type="checkbox"/> Modification of existing authorization | 2(b). For Modification indicate below: File No.: _____ Call Sign: _____ |
|---|--|

3. Application for Modification: Check the box beside all particulars to be modified. Check either addition or replacement to indicate whether the change is an addition or a replacement of parameters in the current authorization.

FREQUENCY - **EMISSION -** **POWER -** **LOCATION -**
 addition or replacement? addition or replacement? addition or replacement? addition or replacement?

OTHER PARTICULARS - addition or replacement? (Describe below or in attached EXHIBIT No. _____)

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) | | | |
| 2326.1 MHz | 1000W | 50,000W | MEAN | M7E | 1536.1 kHz, 384.4 kHz, 142.8 kHz | 1,536 |
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- (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). Specify units.
- (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.

Contains 90% of transmitted power

5(a). Proposed location of transmitter and transmitting antenna (check only one box to indicate type of operation):
 FIXED/BASE MOBILE BASE AND MOBILE

5(b). If permanently located at a FIXED location, give below:

| | | |
|-------------|---------------------|--------------------------|
| State CA | County San Mateo | City or Town Brisbane |
|-------------|---------------------|--------------------------|

Number and street (or other indication of location) (San Bruno Mtn Tower #9)
700 Radio Road

5(c). If mobile, describe the exact area of operation

Receive-only vehicular

5(b)(1). Enter geographical coordinates exact to the nearest second (see instruction 10)

| | |
|---------------------------|---------------------------|
| North Latitude (DD-MM-SS) | West Longitude (DD-MM-SS) |
| 37 41 12 | 122 26 03 |

5(c)(1) Enter geographical coordinates of the approximate center of mobile operation (see instruction 10)

| | |
|----------------|----------------|
| North Latitude | West Longitude |
| | |

5(d). Datum (see instruction 10): NAD 27 NAD 83

6. Is a directional antenna (other than radar) used? YES NO

If "YES", give the following information:
(a) Width of beam in degrees at the half-power point 120°
(b) Orientation in horizontal plane 60°, 180° (c) Orientation in vertical plane 0°, 0°

7. Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government?

YES NO
If "YES", attach as EXHIBIT No. _____, a narrative statement describing the government project, agency and contact number.

8. Is this authorization to be used for the exclusive purpose of developing radio equipment for export to be employed by stations under the jurisdiction of a foreign government?

YES NO
If "YES", attach as EXHIBIT No. _____, the following information: Provide the contract number and the name of the foreign government concerned.

9. Is this authorization to be used for providing communications essential to a research project? (The radio communication is not the objective of the research project).

YES NO
If "YES", attach as EXHIBIT No. _____, a narrative statement providing the following information:
(a) A description of the nature of the research project being conducted.
(b) A showing that the communications facilities requested are necessary for the research project involved.
(c) A showing that existing communications facilities are inadequate.

10. If all the answers to Items 7, 8, and 9, are "NO", attach as EXHIBIT No. I, a narrative statement describing in detail the following:

- (a) The complete program of research and experimentation proposed including description of equipment and theory of operation.
- (b) The specific objectives sought to be accomplished.
- (c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along line not already investigated.

11. (a). Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application: 2 years

(b) If less than 2 years, give the length of time in months that the authorization requested in this application will be required: _____

12. Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact (see instruction 11)?

YES NO
If "YES", attach as EXHIBIT No. _____ an Environmental Assessment as required by Section 1.1311.

13. List below transmitting equipment to be installed (if experimental, so state):

| MANUFACTURER | MODEL NUMBER | NO. OF UNITS |
|----------------|---------------|--------------|
| Unique Systems | DAB2005/0-UTX | 16 |

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 40 meters.

(b) Elevation of ground at antenna site above mean sea level is 270 meters.

(c) Distance to nearest aircraft landing area is 6.4372 K to San Francisco Airport 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. II, 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 in space provided 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), and Internet e-mail address (if applicable) of person who can best handle inquiries pertaining to this application.

Robert D. Briskman, President, Satellite CD Radio, Inc. 202-296-6840, rbriskman@cdradio.com

21. **APPLICANT ANTI-DRUG ABUSE CERTIFICATION:**

By checking "YES", the individual applicant certifies that he or she is eligible for this license. This requires that he or she is not subject to a denial of federal benefits, including FCC benefits, as a result of a drug offense conviction pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862. A non-individual applicant, e.g., corporation, partnership or other unincorporated association, certifies that no party to the application is subject to a denial of federal benefits, pursuant to that section. For definition of a "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 |
|----------------|------------------|----------------|------------------|----------------|------------------|
| I | 10 | | | | |
| II | 15(e) | | | | |
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Signed and dated this 4th day of September, 19 98

Name of Applicant Satellite CD Radio, Inc.
(must correspond with name given on page 1)

By Robert D. Briskman *Robert D. Briskman*
(print) (signature)

Title President

Check appropriate classification:

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

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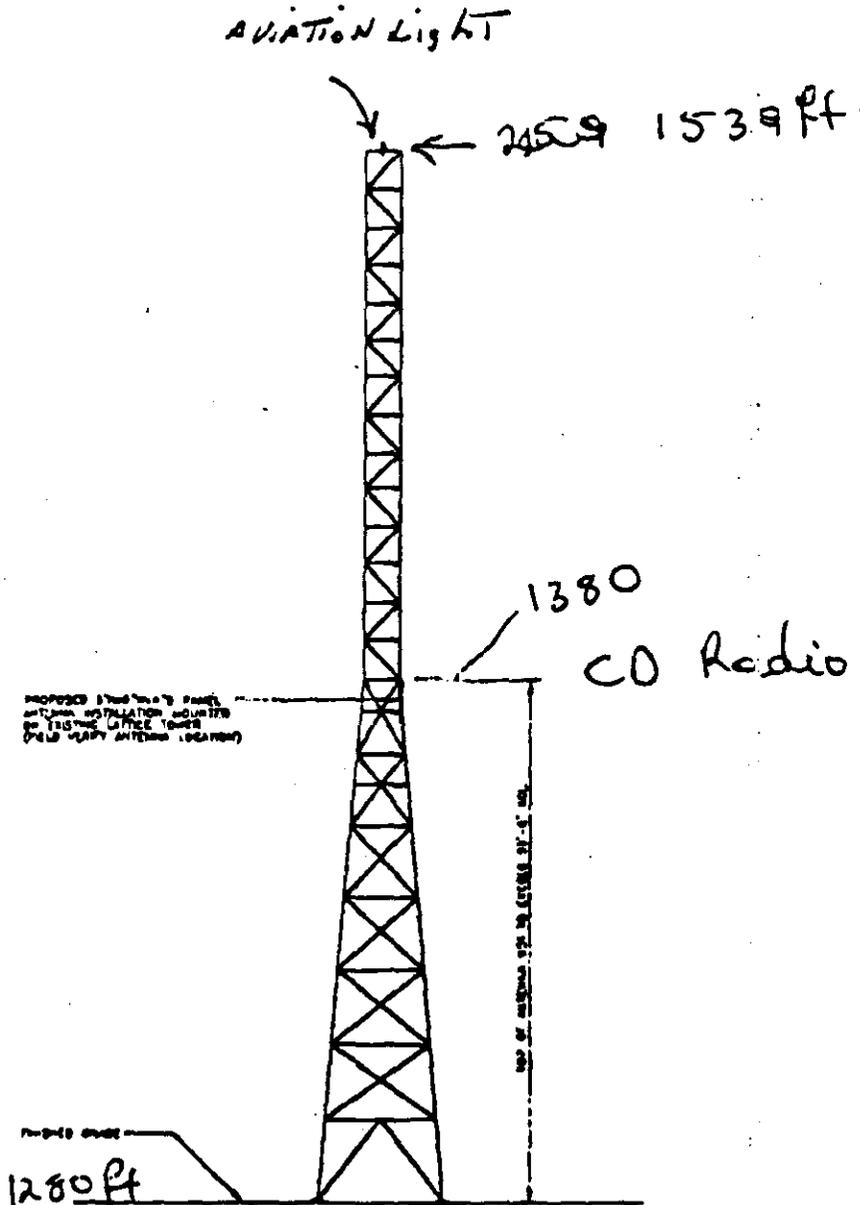
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EXHIBIT II

San Bruno Mt.



CD Radio Inc
 1180 Avenue of Americas, 14th floor
 New York, NY 10020
 TEL: (212) 693-5000
 FAX: (212) 693-6050

CONSULTANT
WFI
 WONG FUNG INC.
 San Diego East Center
 9725 Scripps Ranch Blvd, Suite 100
 San Diego, CA 92123
 Tel: (619) 571-2929
 Fax: (619) 571-2928

PROJECT INFORMATION
SAN BRUNO MOUNTAIN TOWER #9
 700 RADD ROAD
 BRISBANE, CA 94009

CURRENT ISSUE DATE
 8/14/98

ISSUED FOR
 EXHIBIT "B"

| REV. | DATE | DESCRIPTION | BY |
|------|---------|------------------------|----|
| 1 | 8/16/98 | ISSUED FOR EXHIBIT "B" | JM |
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PLANS PREPARED BY
DELTA GROUPS ENGINEERING, INC.
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LICENSURE

SHEET TITLE
 SOUTH AND EAST ELEVATIONS

SHEET NUMBER REVISION
A2 1
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PUBLIC NOTICE
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Report No. 315

EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing granted the following experimental applications during the period from 9/1/98 to 1/1

- WA2XIS SANDERS 5644-EX-PL-1997
New experimental to operate in 15.1- 29.86 MHz to develop equipment under contract.
Fixed: Litchfield, NH
- WA2XPP PRINCE CORP. 6138-EX-PL-1998
New experimental to operate in 26.975-27.28, 40.66-40.7 and 433.92 MHz to door openers to European standards for export.
Fixed: Holland, MI
- WA2XUX HARRIS CORPORATION 6123-EX-PL-1998
New experimental to operate in 54-72, 76-88, 88-108, 174-216, 472-608 and MHz for testing broadcast antennas.
Fixed: Palmyra, MO
- WA2XVC RAYTHEON COMPANY 0025-EX-PL-1998
A free space signal environmental range. Simulates large numbers of radar types. Such simulation serves to test the receiver and data processing section radars under Navy contract. Operation on various bands from 54-11770 MHz.
Fixed: Goleta, CA
- WA2XTN ANTEL INTERNATIONAL, INC. 6235-EX-PL-1998
For research, development and verification of the radiation patterns of di antennas operating in various bands from 80-3000 MHz.
Fixed: Rockford, IL
- WA2XSL TOYOTA TECHNICAL CENTER 6201-EX-PL-1998
New experimental to operate in 88-108 MHz for tuning vehicle antenna syste enhance radio reception.
Fixed: Wittmann, AZ
- WA2XQK RAYTHEON AIRCRAFT MONTEK 6147-EX-PL-1998
New experimental to operate in 108-137 and 960-1215 MHz for antenna testin
Fixed: Salt Lake City, UT
- WA2XQV GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC. 5973-EX-PL-1997
New experimental to operate in 118-137 and 5260-5850 MHz to provide airbor telemetry.
Fixed: Marina, CA
- KB2XEY SOUTHERN METHODIST UNIVERSITY 6160-EX-PL-1998
New experimental to operate on 152.855, 153.3, 153.7325, 154.46, 154.46375 157.725, 157.755, 173.2, 173.3 AND 173.35 MHz to transmit seismic data.
Mobile: Terlingua, TX
- WA2XRM RW SYSTEMS 6158-EX-PL-1998

New experimental to operate on 163.95 MHz for antenna design.

Fixed: Colorado Springs, CO

- WA2XQQ US SEA LAUNCH 6115-EX-PL-1998
New experimental to operate on 166, 211.3, 219.3, 420.8, 421, 425.8, 426, 922.76, 2211.5, 2272.5, 5620, 6014-6086, 7194.5, 7355.5, 7494.5, and 7655.5 MHz drydock testing of satellite launch system.
Fixed: Long Beach, CA
- WA2XUM SYSTEMS WIRELESS, LTD. 6190-EX-PL-1998
New experimental to operate on 169.445, 169.505, 170.245, 170.305, 171.045 171.845, 171,905, 174-216, 470-608 MHz and in 614-806 MHz for testing and development of wireless microphones.
Fixed: Herndon, VA
- WA2XSF INPUT/OUTPUT, INC. 6130-EX-PL-1998
New experimental to operate in 216-220 MHz to develop a radio telemetry se acquisition system.
Mobile: Within the Continental United States, Alaska and Hawaii
- WA2XSU COMMUNITY TELEPLAY, INC. 6192-EX-PL-1998
New experimental to operate in 218.5 - 219.0 MHz to test for possible inte using 1 watt ERP for mobile remote transceiver units (IVDS).
Mobile: Norfolk-Virginia Beach MSA, VA
- WA2XQZ PHOENIX DATA COMMUNICATION, INC. 6072-EX-PL-1998
New experimental to operate in 218.525-218.975 MHz to test telemetry equip
Fixed: State of LA
- WA2XFH SOPHIA COMMUNICATIONS, INC. 6104-EX-PL-1998
New experimental to operate in 220-222 MHz to test and develop land mobile
Mobile: Temporary locations in the counties of: Cook, Dupage, Kane, Lake and Will, IL; Lake Porter, IN; Racine, Kenosha, Milwaukee, Ozaukee, Washington Waukesha, WI.
- WA2XJI JOHNS HOPKINS UNIVERSITY-APPLIED PHYSICS LAB
5665-EX-PL-1997
New experimental to operate on 268.3 and 345 MHz for communications under government contract.
Fixed: Scaggsville, MD
- WA2XUP SYSTEM DYNAMICS 6119-EX-PL-1998
New experimental to operate on 315, 418 and 433.97 MHz to test Part 15 dev
Mobile: Scottsdale, AZ
- WA2XTV SHO-BAN HIGH SCHOOL SCIENCE DEPARTMENT
6276-EX-PL-1998
New experimental to operate on 401.65 MHz to use the ARGOS satellite syste data involving wildlife research.
Mobile: Within the state of Idaho
- WA2XVB WOODS HOLE OCEANOGRAPHIC INSTITUTION
6290-EX-PL-1998
New experimental to operate on 401.65 MHz for transfer of oceanographic da ARGOS satellite system.
Mobile: Oceans worldwide
- WA2XQA STATE OF CALIFORNIA 5959-EX-PL-1997
New experimental to operate on 401.7895 MHz to use GOES satellite for tran research data.
Fixed: Tracy, CA
- WA2XQB STATE OF CALIFORNIA 5960-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel transfer of research data.

Fixed: Turlock, CA

- WA2XQC STATE OF CALIFORNIA 5961-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel
transfer of research data.
Fixed: Pleasant Grove, CA

- WA2XQD STATE OF CALIFORNIA 5962-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel
transfer of research data.
Fixed: Live Oak, CA

- WA2XQE STATE OF CALIFORNIA 5963-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel
transfer of research data.
Fixed: Sutter, CA

- WA2XQF STATE OF CALIFORNIA 5964-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel
transfer of research data.
Fixed: Knights Landing, CA

- WA2XQG STATE OF CALIFORNIA 5965-EX-PL-1997
New experimental to operate on 401.7895 and 401.8855 MHz to use GOES satel
transfer of research data.
Fixed: Meridian, CA

- WA2XUY HRB SYSTEMS, INC. 6022-EX-PL-1998
New experimental to operate on 452.7, 452.8, 457.7 and 457.8 MHz for netwo
demonstration.
Mobile: Vicinity of Linthicum, MD.

- WA2XUW ROCKWELL COLLINS, INC. 6302-EX-PL-1998
New experimental to operate on 809.9875, 814.9375, 854.9875, and 859.9375
testing and development of communications systems used by public safety and tra
authorities.
Mobile: Linn County, IA

- WA2XUV ROCKWELL COLLINS, INC. 6303-EX-PL-1998
New experimental to operate on 810.3375 and 855.3375 MHz for testing and
development of communications systems used by public safety and transit authori
Mobile: Linn County, IA

- WA2XSW GTE LABORATORIES INCORPORATED 6194-EX-PL-1998
New experimental to operate in 824-944, 1850-1910, 1930-1990, 2150-2162, 2
5725-5850, 27000-31100 and 31800-32000 MHz for test of signal propagation and
performance of equipment for wireless local loop application.
Mobile: Waltham, MA

- WA2XRL INTERWAVE COMMUNICATIONS INC. 6071-EX-PL-1998
New experimental to operate in 890-915, 925-960, 1710-1785, 1805-1880, 18
and 1930-1990 MHz to test various PCS technologies.
Fixed: Redwood City, CA

- WA2XUT SCHLUMBERGER RESOURCE MANAGEMENT SERVICES, INC.
6268-EX-PL-1998
New experimental to operate in 902-928 MHz for developing and testing aut
meter reading systems using part 15 spread spectrum remote transmitters.
Fixed: Barberton, OH, Tallassee, AL, San Carlos, CA and Kansas City, MO

- WA2XUS SCHLUMBERGER RESOURCE MANAGEMENT SERVICES, INC.
6267-EX-PL-1998
New experimental to operate in 910.8-919.19 MHz for testing and developin
meter reading system using part 15 spread spectrum remote transmitters.
Fixed: Athens and Flint River, GA and Auburn, Tallassee and Montgomery, AL

- WA2XQY RADIANT CORPORATION 6092-EX-PL-1998
New experimental to operate on 915 MHz to conduct wind profiler experiment
Fixed: Holbrook, PA
- WA2XRN RADIANT CORPORATION 6093-EX-PL-1998
New experimental to operate on 915 MHz to conduct wind profiler experiment
Fixed: Gettysburg, PA
- WA2XRO RADIANT CORPORATION 6094-EX-PL-1998
New experimental to operate on 915 MHz to conduct wind profiler experiment
Fixed: Millstone Point, CT
- WA2XRI ALLIEDSIGNAL INC. 6082-EX-PL-1998
New experimental to operate on 1030 MHz to test traffic alert and collision systems (TCAS I AND TCAS II) by interrogating aircraft from an antenna located roof of the applicant's facilities.
Fixed: Lenexa, KS
- WA2XTJ SERCEL, INC. 6229-EX-PL-1998
New experimental to operate in 1429-1435 MHz for testing, development and demonstration of equipment for geological exploration.
Mobile: Within the Continental United States, Alaska and Hawaii
- KA2XCI VERTEX COMMUNICATIONS CORP. 5467-EX-PL-1996
New experimental to operate in 1450-1850, 1990-2690, 3400-4200, 4500-4800, 5850-7075, 7250-7750, 7900-8400, 10700-13250, 13750-14800 and 17300-21200 MHz for antenna test range operating.
Fixed: Kilgore, TX
- WA2XUI SATELLITE BROADCASTING COMPANY 6139-EX-PL-1998
New experimental to operate in 1626.5-1646.5 to demonstrate INMARSAT term
Fixed: Boynton Beach, FL
- WA2XUQ SPEC - SYSTEMS & PROCESSES ENGINEERING CORP.
6239-EX-PL-1998
New experimental to operate in 1626.5-1646.5 MHz to operate INMARSAT term in conjunction with developing software, testing and demonstrating data communication system for U.S. government.
Fixed: Austin, TX and O'Fallon, IL
- WA2XUR QUOKKA SPORTS, INC. 6241-EX-PL-1998
New experimental to operate in 1626.5-1646.5 MHz for INMARSAT-M terminal testing, training and monitoring purposes before and during the 1998-99 sailing season to enable sailors to send a video feed to applicant's web site.
Fixed: San Francisco, CA
- KA2XGU SOUTHERN METHODIST UNIVERSITY 6196-EX-PL-1998
New experimental to operate in 1626.5-1660.5 MHz for use of INMARSAT terminal communications in support of seismological studies.
Mobile: Within the Continental United States
- WA2XKB TRW/ESD 5881-EX-PL-1997
New experimental to operate in 1636.5-1645 MHz to use INMARSAT terminal.
Mobile: Within Santa Clara County, CA
- WA2XUK TIDELAND SIGNAL CORPORATION 6181-EX-PL-1998
New experimental to operate in 1636.5-1645 MHz to use INMARSAT terminal.
Mobile: Within the Continental United States, and within 250 miles of Houston
- WA2XSN AIRNET COMMUNICATIONS CORP. 6157-EX-PL-1998
New experimental to operate in 1747-1755 and 1842-1850 MHz to test equipment for export purposes.
Fixed: Melbourne, FL

- WA2XSX LOCKHEED MARTIN CORP. 6203-EX-PL-1998
New experimental to operate on 1772, 1789 and 1809 MHz to fulfill U.S. Nav
for developing a remote mine-hunting sonar.
Mobile: West Palm Beach, FL
- WA2XIZ OMNIPOINT TECHNOLOGIES, INC. 6184-EX-PL-1998
New experimental to operate in 1850-1910, 1930-1990, 2305-2320 and 2345-23
testing and development of PCS and WCS technologies.
Mobile: Within the Continental United States, Alaska, and Hawaii
- WA2XVA SAMSUNG TELECOMMUNICATIONS 6291-EX-PL-1998
New experimental to operate on 1882.5 and 1962.5 MHz for development of PC
equipment.
Fixed: Plano and Richardson, TX
- WA2XJH UTSTARCOM, INC. 6148-EX-PL-1998
New experimental to operate in 1893.5 - 1919.6 MHz for testing and develop
equipment.
Mobile: Iselin, NJ
- WA2XMW PRIMECO PERSONAL COMMUNICATIONS, L.P.
6091-EX-PL-1998
New experimental to operate in 1950-1965 MHz to test PCS equipment.
Fixed: Houston MTA, TX, Jacksonville MTA, FL, Miami-Ft. Lauderdale, FL, Ne
Orleans- Baton Rouge, LA, Richmond-Norfolk MTA, VA and Tampa-St. Petersburg, F
- WA2XUO SCIENCE APPLICATIONS INTERNATIONAL CORP.
6191-EX-PL-1998
New experimental to operate in 1975-1989.9 MHz to test PCS equipment.
Fixed: San Diego, CA
- WA2XUN UNITED STATES CELLULAR OPERATING COMPANY
6212-EX-PL-1998
New experimental to operate in 2112-2130, 2162-2165, 5925-6425, 6525-6875,
10550-10680, 10700-11700 and 17700-19700 MHz to verify antenna gains, obstructi
losses and free space losses for microwave links connecting cellular sites.
Mobile: Within the United States and Possessions
- WA2XRA PACIFIC MONOLITHICS, INC. 6075-EX-PL-1998
New experimental to operate in 2150 and 2162 Mhz to test MDS.
Mobile: Temporary fixed locations in the United States
- WA2XSC MOTOROLA, INC. 6150-EX-PL-1998
New experimental to operate in 2305-2320 MHz for testing of wireless cable
Fixed: Schaumburg, IL
- WA2XUE SATELLITE CD RADIO, INC. 6259-EX-PL-1998
New experimental to operate on 2326.1 MHz to test ground repeater stations
digital audio radio service (DARS).
Fixed: Berkeley, Brisbane, Woodside, San Leandro and San Francisco, CA
- WA2XSI MOTOROLA, INC. 6151-EX-PL-1998
New experimental to operate in 2360-2390 MHz to test wireless cable networ
radio downconverter/upconverter interface to hfc/cable data modem end-station p
and a related transverter arrangement at the cable data router.
Fixed: Schaumburg, IL
- WA2XSO LUCENT TECHNOLOGIES 6161-EX-PL-1998
New experimental to operate in 2400-2483.5 MHz to fulfill Office of Naval
contract for testing of LAN used for command, control and communications of a l
battlespace.
Mobile: Within the Continental United States, Alaska, and Hawaii

- WA2XUL WORLDWAVE COMMUNICATIONS, INC. 6199-EX-PL-1998
New experimental to operate in 2400-2483.5 MHz for field testing and limit study of wireless local loop system.
Mobile: Kearney, NE
- WA2XUH GENISYS RESEARCH & DEVELOPMENT, INC.
6029-EX-PL-1998
New license to operate on 2467 MHz to conduct research and development rel transmitting in-flight airframe video information and sensor data to a ground s
Fixed: Utica, NY
- WA2XUJ TIDELAND SIGNAL CORP. 6182-EX-PL-1998
New experimental to operate in 2900-3100 and 9300-9500 MHz for development radars under government contract.
Fixed: Houston, TX
- WA2XRG MOUNTAIN TELECOMMUNICATIONS, INC. 6120-EX-PL-1998
New experimental to operate in 3425-3442 and 3475.688-3492.688 MHz to mark pilot deployment of a Wireless Local Loop (WLL) Fixed Wireless Access (FWA) Sys
Mobile: Salt River Maricopa Indian Community
- WA2XOY NORTHROP GRUMMAN CORPORATION 5823-EX-PL-1997
New experimental to operate in 5000-20,000 MHz to develop radar equipment frequencies under U. S. Navy contract.
Fixed: Hanover, MD
- WA2XVD SONY ELECTRONICS INC. 6300-EX-PL-1998
New experimental to operate in 5150-5350 and 5725-5825 MHz for testing, de and demonstrations of devices designed to be used under Part 15, Subpart E (U-N
Fixed: Paramus and Park Ridge, NJ, Cornwall-On-Hudson, NY and San Diego,
- WA2XRE RADTEC ENGINEERING, INC. 6106-EX-PL-1998
New experimental to operate in 5400-5600 MHz to demonstrate the HDD-250 do weather radar to television stations and other meteorological users.
Mobile: Various temporary sites within the Continental United States, Al
- WA2XNX NORTHROP GRUMMAN CORPORATION 5868-EX-PL-1997
New experimental to operate in 9200-10,500 MHz, under contract #N00014-95- with the US Navy Office of Naval Research to develop and demonstrate a radar transmitter.
Mobile: Baltimore, MD
- WA2XRK ALLIEDSIGNAL INC. 6080-EX-PL-1998
New experimental to operate in 9300-9500 MHz to test weather radar equipme
Fixed: Olathe, KS
- WA2XIO TN TECHNOLOGIES 6189-EX-PL-1998
New experimental to operate in 9550-10,500 MHz for development and testing to measure and control level of material in tanks and process vessels in indust applications.
Fixed: Round Rock, TX
- KA2XBD AEPCO, INC. 6222-EX-PL-1998
New experimental to operate in 14,000-14,500 MHz to transmit video images along interstate highways via satellite.
Fixed: Davids, PA
- WA2XHM SAFETY WARNING SYSTEM, L.C. 6096-EX-PL-1998
New experimental to operate on 24,100 MHz to test, demonstrate, and perfor market studies of traffic safety warning systems.
Mobile: Within the Continental United States, Alaska and Hawaii
- WA2XRB PHOENIX INTERNATIONAL CORPORATION 6076-EX-PL-1998

New experimental to operate on 24,125 MHz to test radar speed guns.
Mobile: Fargo, ND

- WA2XUU ANDREW CORPORATION 6020-EX-PL-1998
New experimental to operate in 27,5000-28,350 MHz to test and develop LMDS equipment.
Fixed: Garland, TX
- WA2XUZ WAVTRACE, INC. 6292-EX-PL-1998
New experimental to operate in 27,500-28,350 MHz and 31-31.3 GHz to field point-to-multipoint broadband access system.
Fixed: Bellevue, WA
- WA2XQT TELEDESIC CORPORATION 6024-EX-PL-1998
New experimental to operate in 28,600-29,100 MHz to use a fixed earth station satellite payload.
Mobile: Continental United States
- WA2XTW WAVTRACE, INC. 6249-EX-PL-1998
New experimental to operate on 38 GHz to test and demonstrate point-to-multipoint broadband access system.
Fixed: Denver, CO and Bellevue, WA



CD RADIO INC.

DUPLICATE 2879^c

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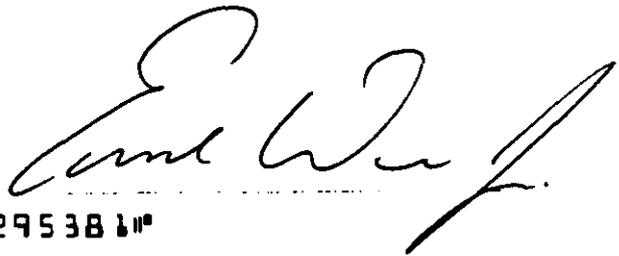
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 2000 M STREET, N.W.
 Washington DC 20554



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