

You will be presented with the FCC FORM 159, Fee Remittance Advice after submitting your application and obtaining a confirmation number. This Fee Remittance Advice, FCC Form 159, must currently be submitted in paper form along with payment to the address indicated in the FCC Fee Filing Guide. Electronic submission of FCC Form 159 is not currently available.

FCC FORM 442 - FEDERAL COMMUNICATIONS COMMISSION APPLICATION FOR NEW OR MODIFIED RADIO STATION UNDER PART 5 OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)		Approved by OMB 3060 - 0065 Expires 09/30/98
1. * Applicant's Name (company) BARON SERVICES, INC.		File No.
2. * Mailing Address: Attention:* ROBERT O. BARON Street Address:* 4930 RESEARCH DRIVE P.O. Box: City: HUNTSVILLE State: AL Zip Code: 35805 E-Mail Address:		
3(a). * Application is for: NEW STATION 3(b). For Modification indicate below: File No: Callsign:		
4. * Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government? If "YES", include as an exhibit a narrative statement describing the government project, agency and contract number.		☐ Yes ☒ No
5. * 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? If "YES", include the contract number and the name of the foreign government concerned as an exhibit.		☐ Yes ☒ No
6. * 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)? If "YES", include as an exhibit 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.		☐ Yes ☒ No
7. If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items: 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.		
8. * Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application: 2 in Years		
9. * 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? If "YES", include as an exhibit an Environmental Assessment as required by Section 1.1311.		☐ Yes ☒ No

10. List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit :

MANUFACTURER	MODEL NUMBER	NO. OF UNITS	EXPERIMENTAL?
BARON SERVICES, INC.	NX5XDD-300X		☒ Yes ☐ No
BARON SERVICES, INC.	NX5XDD-350X		☒ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No
			☐ Yes ☐ No

11. * Is the equipment listed in Item 10 capable of station identification pursuant to Section 5.152? ☐ Yes ☒ No

12. * Applicant is:

☐ INDIVIDUAL ☐ ASSOCIATION ☐ PARTNERSHIP ☒ CORPORATION ☐ OTHER

If "OTHER" is selected, include as an exhibit a narrative statement describing the type of applicant.

13. * Is applicant a foreign government or a representative of a foreign government? ☐ Yes ☒ No

14. *
Has applicant or any party to this application had any FCC station license or permit revoked or any application for permit, license or renewal denied by this Commission?
If "YES", include as an exhibit a statement giving call sign of license or permit revoked and relate circumstances. ☐ Yes ☒ No

15. * Will applicant be owner and operator of the station? ☒ Yes ☐ No

16. Give the following information of person who can best handle inquiries pertaining to this application:

* Last Name:

WHEELER

* First Name:

GEORGE

* Title:

ATTORNEY

* Phone Number (include area code):

202-955-3000

E-Mail Address:

GWHEELER@HKLAW.COM

17. * 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 47CFR 1.2002(b). ☒ Yes ☐ No

18. CERTIFICATION:
THE APPLICANT CERTIFIES THAT:

- a. Copies of the 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.

THE APPLICANT FURTHER CERTIFIES 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.

Name of Applicant:

* Signature (Authorized person filing form):

ROBERT O. BARON

Signature Date
 (Authorized person
 filing form):
 11/03/2000

* Title of Person Signing Application:

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.

Public reporting burden for this collection of information is estimated to average four (4) hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington DC 20554. **DO NOT send completed applications to this address.** Individuals are not required to respond to this collection unless it displays a currently valid OMD control number.

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.

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FCC - Federal Communications Commission - FCC_442



Federal Communications Commission

FEDERAL COMMUNICATIONS COMMISSION ANTENNA REGISTRATION FORM FOR FILE NUMBER: 0247-EX-PL-2000

1. * The purpose of this application is to:

- ☒ Modify data pertaining to this antenna
☐ Delete this antenna from the application/license

2a. * Proposed location of transmitter and transmitting antenna:

- ☐ FIXED/BASE ☒ MOBILE ☐ BASE AND MOBILE

2b. If permanently located at a FIXED location, give below:
State:
County:
City or Town:

Number and street (or other indication of location):

2c. If mobile, describe the exact area of operation:

2d. *If fixed, enter the geographical coordinates exact to the nearest second. If mobile or base and mobile, enter either the area of operation or the fixed/center coordinates and the radius of operation.

North Latitude(DD-MM-SS):
West Longitude(DDD-MM-SS):
Radius of Operation:
 ° ' "

 ° ' "

Km

3. * Datum:

- ☐ NAD 27 ☒ NAD 83

4. *Is a directional antenna (other than radar) used? If "YES", give the following information:
☐ Yes ☒ No

(a) Width of beam in degrees at the half-power point:
(b) Orientation in horizontal plane:
(c) Orientation in vertical plane:
5. * 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? If "YES", give the following:
☐ Yes ☒ No

(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 an exhibit 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. Submit this sketch under the "Antenna Drawing" exhibit type.

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**Thank You. The Antenna Information You Just Entered Has
Been Submitted
Successfully to the Experimental Licensing Branch.**

Date of Submission:	11/03/2000
Press this button to enter frequency information for this antenna:	Add/Modify Frequencies
Press this button to add/modify other antennas associated with this application:	Add/Modify Antennas

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FEDERAL COMMUNICATIONS COMMISSION ANTENNA FREQUENCY REGISTRATION FORM

ANTENNA LOCATION: Mobile NATIONWIDE

COORDINATES : N latitude W longitude

Particulars of Operation									
Action	Lower/Upper Frequency			Power		ERP		Mea	Pea
Add ▾	9100	9800	MHz ▾	300000	Watts ▾	7.53	Gigawatts ▾		Peak
Add ▾	5400	5800	MHz ▾	350000	Watts ▾	11.06	Gigawatts ▾		Peak
▾			▾		▾		▾		
▾			▾		▾		▾		
▾			▾		▾		▾		
▾			▾		▾		▾		

Proceed to Emissions Entry

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Add More Frequencies

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Federal Communications Commission

Please Enter all Emission Data Associated With This Frequency:
Lower Frequency: 5400 MHz Upper Frequency: 5800 MHz
Station Class: MO

Action	Emission			Modulating Signal	Necessary Bandwidth	
Add ▾	X ▾	X ▾	X ▾	pulse.2 usec.Max	12.5	MHz ▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾

To include the emissions just added to other frequencies associated with this antenna, please select from the list below:

Add Emissions to this Frequency	Lower Frequency	Upper Frequency	Frequency Type	Tolerance	Power Output	Power Type	ERP	Power Type	Station Class
☐	9100	9600	MHz	0.01	300000	W	7.53	GW	MO

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Add More Emissions To This Frequency

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Federal Communications Commission

**The Form 442 You Just Entered Has Been Submitted
Successfully To The OET Experimental Licensing Branch.
Please Print Or Record The Following Information and Save
For Future Reference:**

Form 442 Confirmation Number:	EL10450
Form 442 File Number:	0247-EX-PL-2000
Date of Submission:	11/03/2000
To submit another application, please select one from the list displayed to the left of your screen.	
Press this button to proceed to technical data entry.	Technical Data
Notice: This application will not be considered "complete" until the antenna and frequency information have been entered. Please be sure to select the "Complete Submission" button at the end of the Frequency Registration Page once all frequencies have been entered.	

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**Federal Communications Commission**

**Thank You. The Antenna Frequency Data You Just Entered
Has Been Submitted
Successfully to the Experimental Licensing Branch.**

Please press this button to proceed with emissions entry:

Enter Emissions

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**Federal Communications Commission**

Thank You. The Antenna Frequency & Emission Data You Just Entered Has Been Submitted Successfully to the Experimental Licensing Branch.

Date of Submission:	11/03/2000
Press this button to enter additional emissions:	Add More Emissions
Press this button to enter additional frequency data:	Add More Frequencies
Press this button to add/modify other antennas associated with this application:	Add/Modify Antennas
Press this button to begin the exhibit submission process:	Add Exhibits
Press this button to complete submission of this application:	Complete Submission

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Federal Communications Commission

Please Enter all Emission Data Associated With This Frequency:
Lower Frequency: 9100 MHz Upper Frequency: 9600 MHz
Station Class: MO

Action	Emission			Modulating Signal	Necessary Bandwidth	
Add ▾	X ▾	X ▾	X ▾	pulse.2 usec.Max	12.5	MHz ▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾
▾	▾	▾	▾			▾

To include the emissions just added to other frequencies associated with this antenna, please select from the list below:

Add Emissions to this Frequency	Lower Frequency	Upper Frequency	Frequency Type	Tolerance	Power Output	Power Type	ERP	Power Type	Station Class
☐	5400	5800	MHz	0.002	350000	W	11.06	GW	MO

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Add More Emissions To This Frequency



NOTICE:
The following exhibits must be submitted
with this application:
**[Click Here For Attachment Submission
Instructions](#)**

Form 442 Question 7: Experimentation Description

Exhibit Type	Confidential	Description	File	File Format
Text Documents ▾	☐	PURPOSE OF OPERATION		Microsoft Word ▾
▾	☐			▾
▾	☐			▾
▾	☐			▾
▾	☐			▾
▾	☐			▾
▾	☐			▾
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			Send File(s) To FCC	

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Status	File Size (bytes)	File Description	Exhibit Type	File Format
	22529	PURPOSE OF OPERATION	Text Documents	Microsoft Word

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Complete Submission

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**Federal Communications Commission****APPLICATION FOR NEW OR MODIFIED EXPERIMENTAL RADIO STATION AUTHORIZATION
(Form 442)**

Before Proceeding to the Application, Please Enter the Following Information:

1. This Application is a:

☒ **New License**

☐ **Modification of Existing License (Specify callsign):**

2. Is confidentiality requested for this particular form? ☐ Yes ☒ No**3. FCC Registration Number (FRN):**

Please note the following:

- If you respond "YES" to question 2, please submit a justification as an exhibit along with your application. The justification should state why confidentiality is requested.
- The FRN is not required at this time. However, it will be required at a later date in order to file this application. You are strongly encouraged to obtain and specify the FRN number when completing this application. To obtain an FRN number, select the "Get FRN Number" button to the left of your screen.

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