ATTN: K. M. FALKENTHAL 444 HOES LANE, ROOM 1A116, PISCATAWAY, NJ 08854

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

EXPERIMENTAL
(Nature of Service)

K O 2 X A E
(Call Sign)

XR MO
(Class of Station)

5257-EX-ML-96
(File Number)

NAME BELL COMMUNICATIONS RESEARCH, INC.

See Below
(Location of Station)

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all requlations 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.

Frequency	Class Stn	Emission Designator	Authorized Power watts	Tolerance (+/-)

See Attached Page 3

Station Location:

US
Area Of Operation: MOBILE: WITHIN CONTINENTAL UNITED STATES

Operation: In accordance with Sec. 5.202(a) of the Commission's Rules.

Special Conditions:

See Attached Page 2

This authorization effective February 19, 1997 and will expire 3:00 A.M. EST December 1, 1997

FEDERAL COMMUNICATIONS COMMISSION

Special Conditions:

(1) Subject to coordination with the Area Frequency Coordinator located at White Sands Missile Range, New Mexico, prior to use in the State of New Mexico or other U. S. Territory within a 150 mile radius of WSMR plus the area of Utah and Colorado that lies South of 41 degrees North and between 108 degrees and 111 degrees West. Phone: 505-678-5417 or 3702.

(2) The station identification requirements of Section 5.152 of the Commission's Rules are waived.

(3) 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.

(4) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.

(5) Transmissions in the 3700-4200 MHz band shall be based on prior coordination with existing earth station licensees located within the coordination distance contours.

(6) All operation on Common Carrier frequencies is subject to prior coordination with authorized independent or MCC users in operational area.

(7) Operation on 454.375-454.45 and 459.375-459.45 MHz is limited to an output power of 250 watts.

(8) Any operation in the 27.5 - 29.5 GHz band must be in accordance with the rules in the Final Report and Order in CC Docket 92-297 when it is adopted by the Commission.

(9) Operation in the 824-849, 869-894, 901-902, 930-931, or 940-941 MHz bands requires consent of cellular and PCS licensees to avoid interference.

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts		Tolerance (+/-)
35.16000	MO	20K0F3E	100W	(output)	0.01%
35.22000-35.66000	MO	36K0F3E	500W	(output)	0.01%
	MO	8K00A2B	500W	(output)	
	MO	8K00A3E	500W	(output)	
	MO	8K00B3E	500W	(output)	
	MO	8K00R3E	500W	(output)	
	MO	N0N	500W	(output)	
43.16000	MO	20K0F3E	100W	(output)	0.01%
43.22000-43.66000	MO	36K0F3E	500W	(output)	0.01%
	MO	8K00A2B	500W	(output)	
	MO	8K00A3E	500W	(output)	
	MO	8K00B3E	500W	(output)	
	MO	8K00R3E	500W	(output)	
	MO	N0N	500W	(output)	
152.48600	MO	10K2F2B	20W	(output)	0.005%
	MO	15K0F2B	20W	(output)	
	MO	16K0F3E	20W	(output)	
152.51000-152.81000	MO	40K0F2B	600W	(output)	0.005%
	MO	40K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
152.83400	MO	10K2F2B	20W	(output)	0.005%
	MO	15K0F2B	20W	(output)	
	MO	16K0F3E	20W	(output)	
157.74600	MO	10K2F2B	20W	(output)	0.005%
	MO	15K0F2B	20W	(output)	
	MO	16K0F3E	20W	(output)	
157.77000-158.07000	MO	40K0F2B	600W	(output)	0.005%
	MO	40K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
158.09400	MO	10K2F2B	20W	(output)	0.005%
	MO	15K0F2B	20W	(output)	
	MO	16K0F3E	20W	(output)	
158.10000	MO	10K2F2B	20W	(output)	0.005%
	MO	15K0F2B	20W	(output)	
	MO	16K0F3E	20W	(output)	
454.37500-					

454.45000	MO	80K0F2B	600W	(output)	0.05%
	MO	80K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
454.45000-					
454.97500	MO	80K0F2B	600W	(output)	0.05%
	MO	80K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
459.37500-					
459.45000	MO	80K0F2B	600W	(output)	0.05%
	MO	80K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
459.45000-					
459.97500	MO	80K0F2B	600W	(output)	0.05%
	MO	80K0F3E	600W	(output)	
	MO	8K00A2B	600W	(output)	
	MO	8K00A3E	600W	(output)	
	MO	N0N	600W	(output)	
806.00000-					
890.00000	MO	80M0A7W	10W	(output)	0.05%
	MO	30K0F2B	300W	(output)	
	MO	30K0F3E	300W	(output)	
	MO	30K0F7W	300W	(output)	
	MO	8K00A7W	300W	(output)	
	MO	8K00J3E	300W	(output)	
	MO	8K00R3E	300W	(output)	
	MO	N0N	300W	(output)	
890.00000-					
902.00000	MO	15K0F3E	20W	(output)	0.05%
	MO	15K0F3F	20W	(output)	
	MO	15K0F8W	20W	(output)	
	MO	N0N	20W	(output)	
928.00000-					
940.00000	MO	15K0F3E	20W	(output)	0.05%
	MO	15K0F3F	20W	(output)	
	MO	15K0F8W	20W	(output)	
	MO	N0N	20W	(output)	
1850.00000-					
1910.00000	MO	10M0F1B	10W	(output)	0.05%
	MO	10M0F2B	10W	(output)	
	MO	10M0F3E	10W	(output)	
	MO	10M0F7B	10W	(output)	

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts		Tolerance (+/-)
	MO	80M0A7W	10W	(output)	
	MO	N0N	10W	(output)	
1930.00000-1990.00000	MO	10M0F1B	10W	(output)	0.05%
	MO	10M0F2B	10W	(output)	
	MO	10M0F3E	10W	(output)	
	MO	10M0F7B	10W	(output)	
	MO	80M0A7W	10W	(output)	
	MO	N0N	10W	(output)	
2110.00000-2130.00000	MO	10M0F1B	4K	(output)	0.05%
	MO	10M0F2B	4K	(output)	
	MO	10M0F3E	4K	(output)	
	MO	10M0F7B	4K	(output)	
	MO	N0N	4K	(output)	
2160.00000-2180.00000	MO	10M0F1B	4K	(output)	0.05%
	MO	10M0F2B	4K	(output)	
	MO	10M0F3E	4K	(output)	
	MO	10M0F7B	4K	(output)	
	MO	N0N	4K	(output)	
2400.00000-2483.00000	MO	1M00G7W	4W	(ERP)	0.05%
3700.00000-4200.00000	MO	80M0A7W	10W	(output)	0.05%
	MO	20M0F2B	20W	(output)	
	MO	20M0F3E	20W	(output)	
	MO	20M0F7B	20W	(output)	
	MO	20M0F8W	20W	(output)	
	MO	N0N	20W	(output)	
	MO	20M0B2B	250W	(output)	
	MO	20M0B8W	250W	(output)	
5925.00000-6575.00000	MO	30M0F2B	20W	(output)	0.05%
	MO	30M0F3E	20W	(output)	
	MO	30M0F3F	20W	(output)	
	MO	30M0F7W	20W	(output)	
	MO	30M0F8W	20W	(output)	
	MO	N0N	20W	(output)	
	MO	30M0B2B	250W	(output)	
	MO	30M0B8W	250W	(output)	
10550.00000-10680.00000	MO	5M00F8W	10W	(output)	0.05%
	MO	N0N	10W	(output)	

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts		Tolerance (+/-)
10700.00000-					
11700.00000	MO	40M0F2B	50W	(output)	0.05%
	MO	40M0F3E	50W	(output)	
	MO	40M0F3F	50W	(output)	
	MO	40M0F7W	50W	(output)	
	MO	40M0F8W	50W	(output)	
	MO	N0N	50W	(output)	
11700.00000-					
12200.00000	MO	5M00F8W	10W	(output)	0.05%
	MO	N0N	10W	(output)	
17700.00000-					
19300.00000	MO	220MF1B	20W	(output)	0.05%
	MO	220MF2B	20W	(output)	
	MO	220MF3E	20W	(output)	
	MO	220MF7W	20W	(output)	
	MO	220MF8W	20W	(output)	
	MO	700MF1B	20W	(output)	
	MO	700MF2B	20W	(output)	
	MO	700MF3E	20W	(output)	
	MO	700MF7B	20W	(output)	
	MO	700MF8W	20W	(output)	
	MO	N0N	20W	(output)	
19400.00000-					
19700.00000	MO	220MF1B	20W	(output)	0.05%
	MO	220MF2B	20W	(output)	
	MO	220MF3E	20W	(output)	
	MO	220MF7W	20W	(output)	
	MO	220MF8W	20W	(output)	
	MO	700MF1B	20W	(output)	
	MO	700MF2B	20W	(output)	
	MO	700MF3E	20W	(output)	
	MO	700MF7B	20W	(output)	
	MO	700MF8W	20W	(output)	
	MO	N0N	20W	(output)	
21800.00000-					
23200.00000	MO	16M0A8W	10W	(output)	0.05%
	MO	N0N	10W	(output)	
27500.00000-					
29500.00000	MO	20M0F3E	300W	(ERP)	0.05%
	MO	220MD9W	300W	(ERP)	
	MO	4M00F9W	300W	(ERP)	
	MO	60M0F3E	300W	(ERP)	
	MO	60M0F9W	300W	(ERP)	
	MO	N0N	300W	(ERP)	

Frequency MHz	Class Stn	Emission Designator	Authorized Power watts	Tolerance (+/-)
38600.00000-40000.00000	MO	20M0F3E	300W (ERP)	0.05%
	MO	4M00F9W	300W (ERP)	
	MO	50M0F3E	300W (ERP)	
	MO	50M0F9W	300W (ERP)	
	MO	N0N	300W (ERP)	

FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

APPROVED BY OMB
3060-0065
Expires 12/31/95

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)

Bell Communications Research, Inc.
444 Hoes Lane, Room 1A116
Piscataway, NJ 08854

Attn: Mrs. K. M. Falkenthal

DO NOT WRITE IN THIS BLOCK

File No. 5257-EX-ML-96

2(a). Application for (check only one box)

☐ New station ☒ Modification of existing authorization

2(b). For Modification indicate below:

File No: 3971-EX-R-95 Call Sign: K02XAE

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. _____)

4. Particulars of Operation (see instruction below)

Frequency (state whether kHz or MHz)	POWER			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)
(A)	(B)	(C)	(D)	(E)	(F)	(G)
2400-2483 MHz	1 watt	~~36 dBm~~ 4 W (EIRP)	Mean	G7W	QPSK	1 MHz

(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.

System is a frequency hopping spread spectrum system with an Instantaneous occupied bandwidth of 1 MHz

5(a). Proposed location of transmitter and transmitting antenna (check only one box)

☒ FIXED/BASE ☐ MOBILE ☒ BASE AND MOBILE

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

State	County	City or Town

Number and street (or other indication of location)

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

Within Continental United States

5(c). Enter geographical coordiantes exact to the nearest second

North Latitude	West Longitude
o ' "	o ' "

5(e). Enter geographical coordinates of the approximate center of proposed area of operation (mobile applications)

North Latitude	West Longitude
o ' "	o ' "

6. 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 _____

Base stations will be both Directional and Non-Directional patterns

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 provding 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. _____, 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. See addendum as filed October 29, 1983, with original application
(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 or more
(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? ☐ YES ☒ NO
If you answer "YES", submit an Environmental Assessment required by Section 1.1311.

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

MANUFACTURER	TYPE	NO. OF UNITS
Experimental and composit		

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.

Mrs. K. M. Falkenthal 908-699-7744

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

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 4th day of March, 19 96

Name of Applicant Bell Communications Research, Inc.
(must correspond with name given on page 1)

By ROBERT J WHITEFLEET Robert J Whiteflet
(print) *(signature)*

Title Vice President - Strategic & Business Planning

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 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.

FEDERAL COMMUNICATIONS COMMISSION
MELLON BANK APPLICATION RETURN FORM

Date: April 15, 1996

Data Preparation Center
Mellon Bank
Room 153-2718
Pittsburgh, PA 1559-001

Re: Bell Comm. Research, Inc.

The enclosed application(s) can be processed as filed. Please refer to the following instructions:

[X] Use original date stamped, and stamp all receipt copies with the same date.

[ ] Restamp application(s) and all other documents.

[ ] Application was sent to the wrong location, and is being forwarded for processing.

[ ] Process application(s) in Lockbox 358300.

[ ] Process filing using Payment Type Code _____.

[ ] Process as overpayment.

Please contact the Billings & Collections Branch at (202) 418-1995, if you have any questions.

Sincerely,

Katura Howard

Regina W. Dorsey, Chief for
Billings & Collections Branch

FEDERAL COMMUNICATIONS COMMISSION
MELLON BANK APPLICATION RETURN FORM

Date:

Data Preparation Center
Mellon Bank
Room 153-2718
Pittsburgh, PA 1559-001

Re:

The enclosed application(s) can be processed as filed. Please refer to the following instructions:

[ ] Use original date stamped, and stamp all receipt copies with the same date.

[ ] Restamp application(s) and all other documents.

[X] Application was sent to the wrong location, and is being forwarded for processing.

[X] Process application(s) in Lockbox 358320

[X] Process filing using Payment Type Code EAE.

[ ] Process as overpayment.

Please contact the Billings & Collections Branch at (202) 418-1995, if you have any questions.

Sincerely,

Katura Harvard

Regina W. Dorsey, Chief
Billings & Collections Branch

Sent to wrong Lockbox

(RESERVED)

FEDERAL COMMUNICATIONS COMMISSION

FCC REMITTANCE ADVICE

Approved by OMB
3060-0589
Expires 2/28/97

PAGE NO. 1 OF _____

SPECIAL USE
FCC/MELLON APR 03 1996

FCC USE ONLY
04-18-96 8320871 002

(Read instructions carefully BEFORE proceeding.)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER

Did you have a number prior to this? Enter it.

(2) TOTAL AMOUNT PAID (dollars and cents)
$ 45.00

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)
BELL COMMUNICATIONS RESEARCH INC

(4) STREET ADDRESS LINE NO. 1
444 HOES LANE

STREET ADDRESS LINE NO. 2
ATTN: KM FALKENTHAL

(6) CITY
PISCATAWAY

(7) STATE
NJ

(8) ZIP CODE
08854

(9) DAYTIME TELEPHONE NUMBER (Include area code)
908-699-7744

(10) COUNTRY CODE (if not U.S.A.)

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR
BELL COMMUNICATIONS RESEARCH INC

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID
K02XAE

(13A) ZIP CODE

(14A) PAYMENT TYPE CODE
EAE

(15A) QUANTITY
ONE

(16A) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14:
$45.00

(17A) FCC CODE 1

(18A) FCC CODE 2

(19A) ADDRESS LINE NO. 1

(20A) ADDRESS LINE NO. 2)

(21A) CITY/STATE OR COUNTRY CODE

ITEM #2 INFORMATION

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

FCC USE ONLY

(12B) FCC CALL SIGN/OTHER ID

(13B) ZIP CODE

(14B) PAYMENT TYPE CODE

(15B) QUANTITY

(16B) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14:
$

(17B) FCC CODE 1

(18B) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

CREDIT CARD PAYMENT INFORMATION

Approved by OMB
3060-0065
Expires 12/31/95

FEDERAL COMMUNICATIONS COMMISSION

FCC FORM 442

FOR FCC USE ONLY

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)
BELL COMMUNICATIONS RESEARCH INC

MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form)
444 HOES LANE

MAILING ADDRESS (Line 2) (If required) (Maximum 35 characters)
ATTN: K M FALKENTHAL

CITY
PISCATAWAY

STATE OR COUNTRY (If foreign address)	ZIP CODE	CALL SIGN OR OTHER FCC IDENTIFIER (If applicable)
NJ	08854	K02XAE

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) FEE TYPE CODE	(B) FEE MULTIPLE (If required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1)	E A E	0 0 0 1	$45.00	

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) FEE TYPE CODE	(B) FEE MULTIPLE (If required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(2)			$	
(3)			$	
(4)			$	
(5)			$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE. →

TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING
$

FOR FCC USE ONLY

FEDERAL COMMUNICATIONS COMMISSION

Experimental Licensing Branch

2000 M Street, N.W., Suite 230
Washington, D.C. 20554

In reply refer to:
NH, Rm 264-A
MS 1300-E1

Bell Communications Research
Inc.
444 Hoes Lane, Room 1A116
Piscataway, NJ 08854
Attn: Mrs. K. M. Falkenthal

RE: Experimental Radio Services
(Part 5 of the FCC Rules)

Dear Mrs. Falkenthal

The Experimental Licensing Branch hereby acknowledges receipt of your application for experimental authority filed on FCC Form 442 **received** 4/3/96 **.**

The file number assigned to your application is 5257-EX-ML-96 **. Please allow approximately 90 days for processing of your filing.**

Thank you,

Nancy Hey

Nancy Hey,
Communications Clerk
Experimental Licensing Branch
New Technology Development Division
Office of Engineering and Technology