

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

APR 17 2000

EXPERIMENTAL
(Nature of Service)

K K 2 X J M
(Call Sign)

XC MO
(Class of station)

S-1410-EX-93
(File number)

NAME LBA TECHNOLOGY, INC.

Mobile: Within 16 KM radius of Greenville, NC
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency KHz	Authorized Power (watts)	Emission Designator
530	100	8K00A3E
790	100	8K00A3E
1040	100	8K00A3E
1120	100	8K00A3E
1410	100	8K00A3E
1610	100	8K00A3E

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective February 21, 1994 and
will expire 3:00 A.M. EST. May 1, 1994

FEDERAL
COMMUNICATIONS
COMMISSION

Broadcast & Communications
Antenna Products

P.O. Box 8026
210 W. Fourth Street
Greenville, NC 27835

Phone: 919-757-0279
FAX: 919-752-9155

4 February 1994



LBA Technology, Inc.

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

Re: Special Temporary Authority KK2XJM

Gentlemen:

LBA Technology, Inc. is the licensee of experimental station KK2XJM which authorizes the use of various frequencies in the AM broadcast band for testing of antenna designs at a maximum ERP of 10 watts ERPD within a 10 mile radius of Greenville, North Carolina.

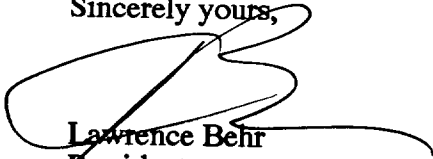
LBA has been awarded contract #DAEA30-94-C-0007 by the US Army to design and fabricate a rapid deployment transportable AM band antenna system. This contract requires testing at a transmitter output power of at least 100 watts. The antenna will be a top loaded folded unipole with a maximum extended height of 120 feet. Emission 8K00A3E will be required so as to transmit Army furnished test material.

We have performed an engineering review of frequencies 530, 790, 1040, 1290, and 1610 kHz (those presently authorized at 10 watts) and believe that interference will not be caused to TIS or standard broadcast stations occupying those frequencies, except 1290 kHz. We propose to substitute 1120 and 1410 kHz. Our study indicates that a radiation of 675 mV/m/km would be permitted on 1120 kHz, and 88 mV/m/km on 1410 kHz. The anticipated radiation efficiency for 100 watts is about 60 mV/m/kW at 1120, and 75 mV/m/km at 1410. Although no interference is anticipated, tests will be suspended immediately should such interference be reported. All operations are planned for daylight hours only. Should your review find these frequencies unsatisfactory, we will accept the assignment of alternate frequencies. To comply with the contract requirements, three of those frequencies should fall between 1000 and 1625 kHz.

It is requested that this STA commence on 21 February 1994 and terminate on 30 April 1994.

Should you need further information, please communicate with the undersigned.

Sincerely yours,


Lawrence Behr
President

Enclosures (2)

FEDERAL COMMUNICATIONS COMMISSION
FEE PROCESSING FORM

FOR
FCC
USE
ONLY

FCC/MELLON FEB 07 1994

Please read instructions on back of this form before completing it. Section I MUST be completed for all concurrent actions which require you to list more than one Fee Type Code, you must accompany all payments. Only one Fee Processing Form may be submitted per application. All required blocks must be completed or application/filing will be returned without action.

02-07-94 8320415 001

SECTION I

APPLICANT NAME (Last, first, middle initial)

LBA TECHNOLOGY, INC.

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

210 W. FOURTH ST.

MAILING ADDRESS (Line 2) (If required) (Maximum 35 characters)

P.O. BOX 8026

CITY

GREENVILLE

STATE OR COUNTRY (If foreign address)

NC

ZIP CODE

27835

CALL SIGN

KK2XJM

OTHER FCC IDENTIFIER

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)

(1)

FEE TYPE CODE

E A E

FEE MULTIPLE
(If required)

FEE DUE FOR FEE TYPE
CODE IN COLUMN (A)

\$35.00

FOR FCC USE ONLY

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)

FEE TYPE CODE

FEE MULTIPLE
(If required)

FEE DUE FOR FEE TYPE
CODE IN COLUMN (A)

FOR FCC USE ONLY

(2)

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(3)

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(4)

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(5)

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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.

TOTAL AMOUNT REMITTED
WITH THIS APPLICATION
OR FILING

\$ 35.00

FOR FCC USE ONLY

35.00