15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. VB-3A & VB-3B

MacClenny

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. VB-4A & VB-4B

Jacksonville and Valdosta

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 2503 sq. km. Population 101,111

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

[X] Linearly interpolated 30-second database [ ] 7.5 minute topographic map

(Source: NGDC)

[ ] Other *(briefly summarize)*

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0	108	16.9	29.3
45	103	16.5	28.7
90	105	16.6	28.9
135	102	16.4	28.6
180	102	16.4	28.6
225	88	15.0	26.6
270	102	16.4	28.6
315	87	14.9	26.5

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

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 as an Exhibit an Environmental Assessment required by Section 1.1311. Exhibit No. N/A

If No, explain briefly why not.
The proposed site is categorically excluded from environmental processing under the provisions of Section 1.1306 of the FCC Rules and Regulations.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name *(Typed or Printed)*	Relationship to Applicant *(e.g., Consulting Engineer)*
THOMAS J. JOHNSON	Telecommunications Consultant
ature Thomas J. Johnson	Address *(Include ZIP Code)* LECHMAN & JOHNSON, INC. 9500 Annapolis Road, Suite C-1 Lanham, Maryland 20706
Date December 11, 1989	Telephone No. *(Include Area Code)* (301) 577-0800

ENGINEERING STATEMENT

PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

Channel 289A 6.0 kW 100 Meters

December 11, 1989

LECHMAN & JOHNSON, INC.

TABLE OF CONTENTS

PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

Channel 289A 6.0 kW 100 Meters

ENGINEERING STATEMENT

PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

Channel 289A 6.0 kW 100 Meters

This Engineering Statement is submitted in support of an application by Peaches Broadcasting, Ltd. seeking a permit to construct and operate a new FM Station to serve Baldwin, Florida. The proposed station would operate on Channel 289A (105.7 MHz), with an effective radiated power (ERP) of 6.0 kW circularly polarized and an effective antenna height of 100 meters above the surrounding terrain. The proposal is based upon the separation requirements for 6 kW ERP at 100 m HAAT. The specified facilities will generate a 60 dBu contour at a distance of 28 km.

The applicant proposes to operate from a transmitter site located 2500 feet Northwest of the Brandy Branch Church, Nassau County, Florida.

A 3-bay FM antenna will be side-mounted on a new guyed tower to be erected at the site. The geographic coordinates of the proposed site are:

North Latitude: 30° 22' 28"
West Longitude: 82° 01' 36"

These coordinates were determined by use of a 7.5 minute topographic quadrangle map (MacClenny East, FL) of the area published by the U.S. Geological Survey. The ground elevation at the proposed site is 62 feet (19 meters) above mean sea level. The site is not located in the "Quiet Zone" of West Virginia nor is it near the Table Mountain Radio Receiving Zone in Boulder, Colorado. Accordingly, no notification is required by Section 73.1030 of the Commission's Rules and Regulations. Additionally, the proposed facility will not deliver a 10 mV/m signal to any FCC monitoring station.

An FCC Type Accepted FM transmitter will be installed and operated such that the ERP will be 6.0 kW in both the horizontal and vertical planes.

It is proposed to install a Harris, Type FML-3E, three bay circularly polarized FM antenna with its center of radiation at the 102 meter level above ground (122 meters AMSL). The manufacturer's rated power for the proposed antenna with no beam tilt is 1.5588 in both the horizontal and vertical planes.

The FAA's Southern Regional Office is being notified of the proposed construction concurrently with the filing of this application. Exhibit VB-1A is a copy of the FAA Form 7460-1. Exhibit VB-1B is an aeronautical map showing the proposed site and its relationship to airports and airways.

Exhibit VB-2 is a sketch of the proposed antenna and supporting structure. All pertinent heights and elevation data are included.

Exhibit VB-3A & VB-3B are topographic maps showing the proposed site and surrounding terrain. Exhibit VB-3A is a reduced version of a 7.5 minute topographic quadrangle map. Exhibit VB-3B is a full scale section of that map. All official markings are shown on Exhibit VB-3A.

Exhibit VB-4A is a portion of two combined 1/250,000 scale topographic maps of Jacksonville, FL and Valdosta, GA published by the U.S. government showing the proposed transmitter site, the eight cardinal and intercardinal radials, the 3.16 mV/m (70 dBu) and 1.0 mV/m (60 dBu) coverage contours, the principal city to be served. The area and population figures are shown, also. Exhibit VB-4B is a reduced version of the full 1/250,000 scale map showing the above noted information and containing all pertinent markings and identifications.

Exhibit VB-5 is a Computer printout showing the separation requirements of Section 73.207 of the FCC Rules and Regulations.

Part 73 of the FCC's Rules and Regulations was amended, effective January 1, 1986 to implement the National Environmental Policy Act of 1969 (NEPA). The rule amendment identifies human exposure to RF radiation as an issue for explicit consideration when evaluating potential environmental effects of certain facilities regulated by the FCC. The proposed facility has been evaluated based on OST Bulletin No. 65 (October 1985), "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation" and complies with the Guidelines.

The applicant proposes to install an auxiliary power generator in order to ensure continuous operation during commercial power failures.

Thomas J. Johnson
Telecommunications Consultant
December 11, 1989

EXHIBIT NO. VB-1A

DO NOT REMOVE CARBONS

Form Approved OMB No. 2120-0001

U.S. Department of Transportation
Federal Aviation Administration

NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

Aeronautical Study Number

1. Nature of Proposal

A. Type: [X] New Construction [ ] Alteration

B. Class: [X] Permanent [ ] Temporary (Duration _____ months)

C. Work Schedule Dates: Beginning After FCC Grant; End 6 mos. thereafter

2. Complete Description of Structure

A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure.

B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports.

C. Include information showing site orientation, dimensions, and construction materials of the proposed structure.

It is proposed to erect a new guyed tower to support a 3-bay FM antenna. The station would operate on Channel 289A (105.7 MHz) with an ERP of 6 kW (H & V) and antenna HAAT of 100 meters.

(if more space is required, continue on a separate sheet.)

3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code)

(904) 353-2325
area code Telephone Number

Peaches Broadcasting, Ltd.
c/o Fred Matthews
P.O. Box 12563
Jacksonville, FL 32209

B. Name, address and telephone number of proponent's representative if different than 3 above.

Lechman & Johnson, Inc. (301) 577-0800
9500 Annapolis Road, Suite C-1
Lanham, Maryland 20706

4. Location of Structure

A. Coordinates (To nearest second)	B. Nearest City or Town, and State	C. Name of nearest airport, heliport, flightpark, or seaplane base	5. Height and Elevation (Complete to the nearest foot)	
	Stokesville, GA	Thrifts	A. Elevation of site above mean sea level	62
30° 22' 28" Latitude	(1) Distance to 4B 2.6 Miles	(1) Distance from structure to nearest point of nearest runway 5.9 miles	B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated	348
82° 01' 36" Longitude	(2) Direction to 4B West	(2) Direction from structure to airport SW	C. Overall height above mean sea level (A + B)	410

D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.)

2500 feet Northwest of the Brandy Branch Church, Nassau County, Florida.

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than $500 for the first offense and not more than $2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.

Date	Typed Name/Title of Person Filing Notice	Signature
12/11/89	Thomas J. Johnson/Telecommunications Consultant	Thomas J. Johnson

FOR FAA USE ONLY — *FAA will either return this form or issue a separate acknowledgement.*

The Proposal:

- [ ] Does not require a notice to FAA.
- [ ] Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C, and would not be a hazard to air navigation.
- [ ] Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation.
- [ ] would be obstruction [ ] marked, [ ] lighted per FAA Advisory Circular 70/7460-1, Chapter(s) _____
- [ ] Obstruction marking and lighting are not necessary.

Remarks:

Supplemental Notice of Construction FAA Form 7460-2 is required any time the project is abandoned, or

- [ ] At least 48 hours before the start of construction.
- [ ] Within five days after the construction reaches its greatest height.

This determination expires on _____ unless:

(a) extended, revised or terminated by the issuing office;
(b) the construction is subject to the licensing authority of the Federal Communications Commission and an application for a construction permit is made to the FCC on or before the above expiration date. In such case the determination expires on the date prescribed by the FCC for completion of construction, or on the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be postmarked or delivered to the issuing office at least 15 days prior to the expiration date.

If the structure is subject to the licensing authority of the FCC, a copy of this determination will be sent to that Agency.

Issued In	Signature	Date

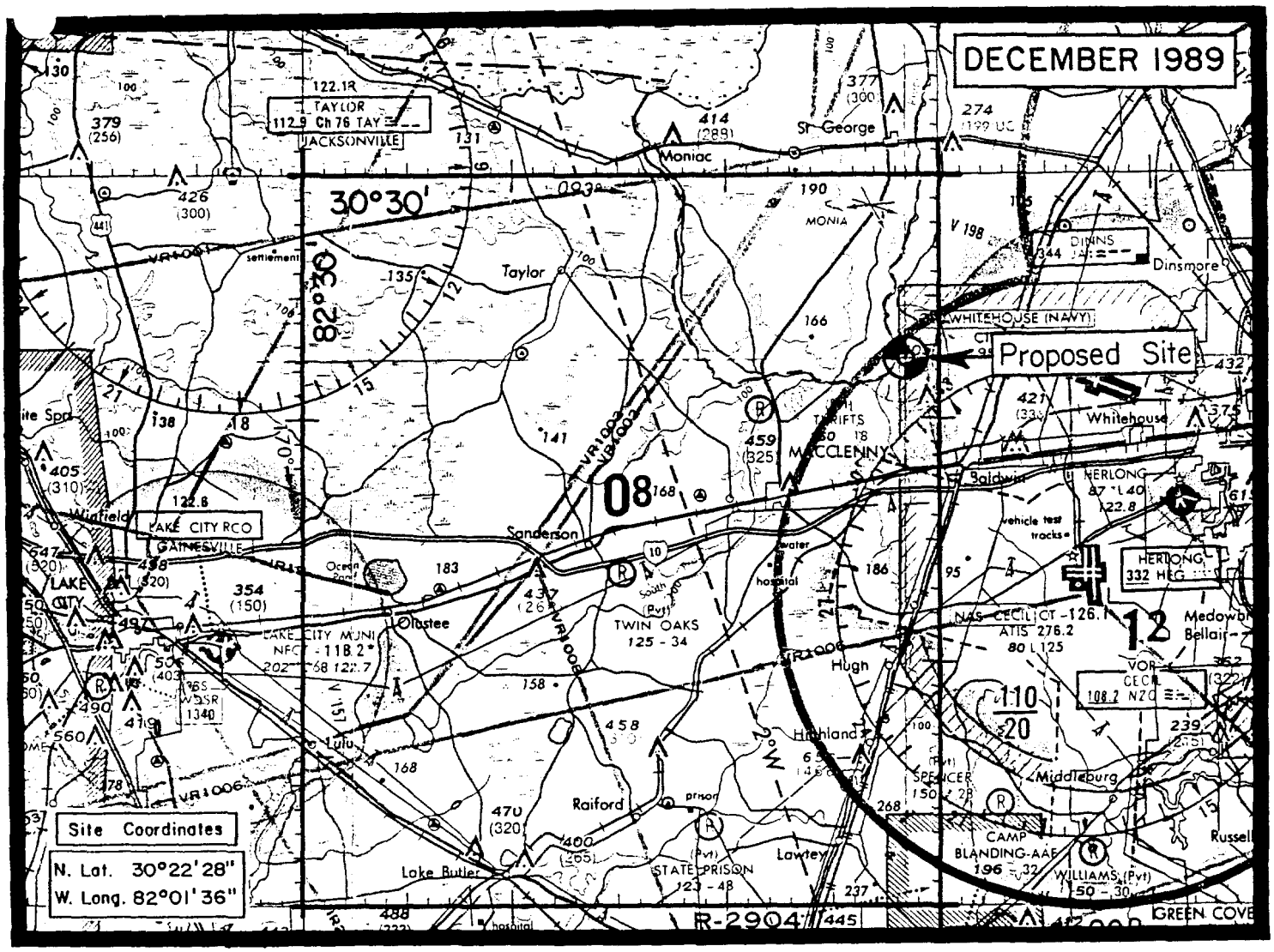


EXHIBIT VB-1B

PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

Channel 289A **6.0 kW** **100 Meters**

Prepared By

LECHMAN & JOHNSON, Inc.
TELECOMMUNICATIONS CONSULTANTS
LANHAM, MARYLAND

KILOMETERS 10 0 10 20 30 40 50
NAUTICAL MILES 10 0 10 20 30
STATUTE MILES 10 0 10 20 30

DECEMBER 1989

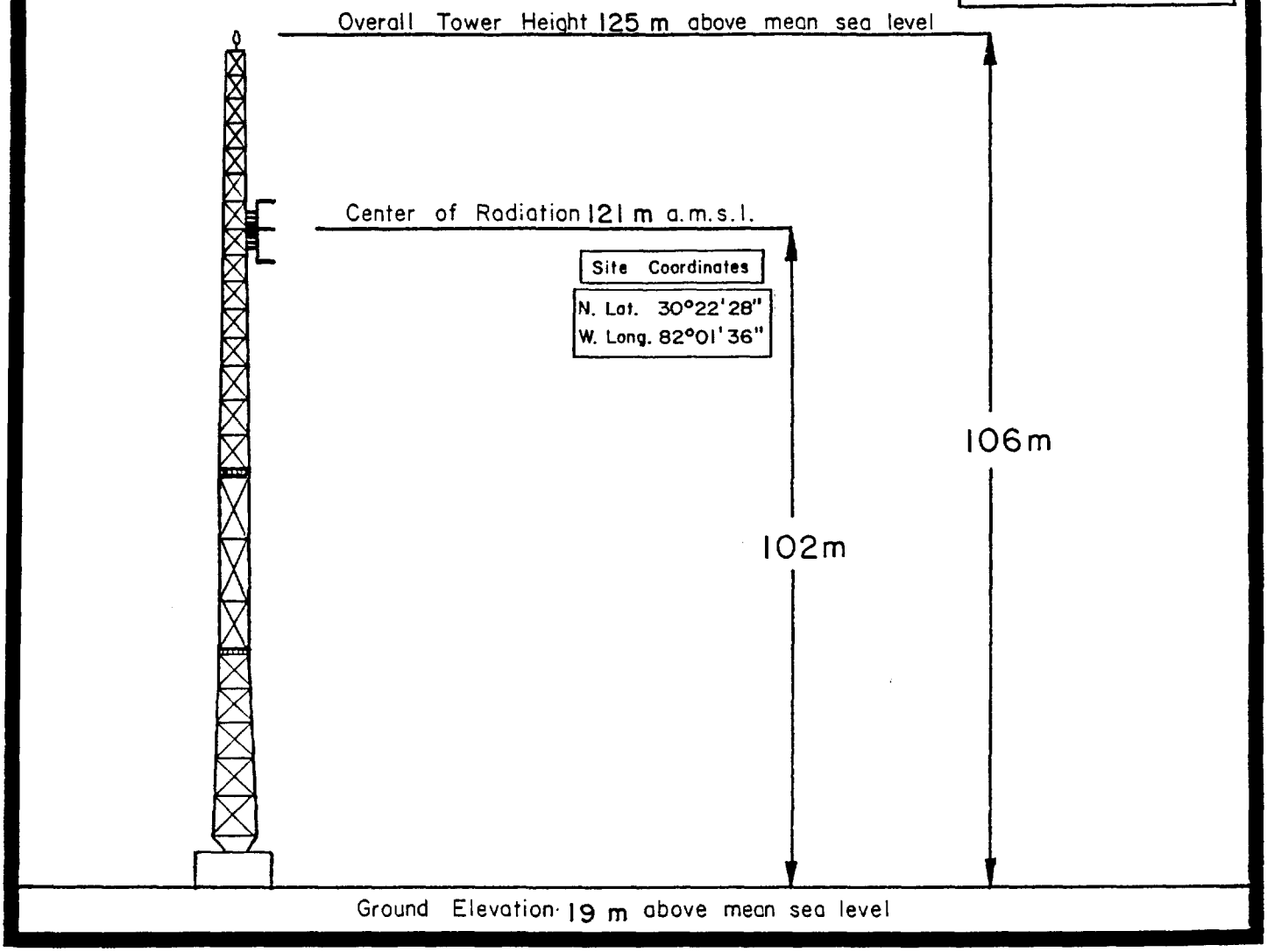


EXHIBIT VB-2

PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

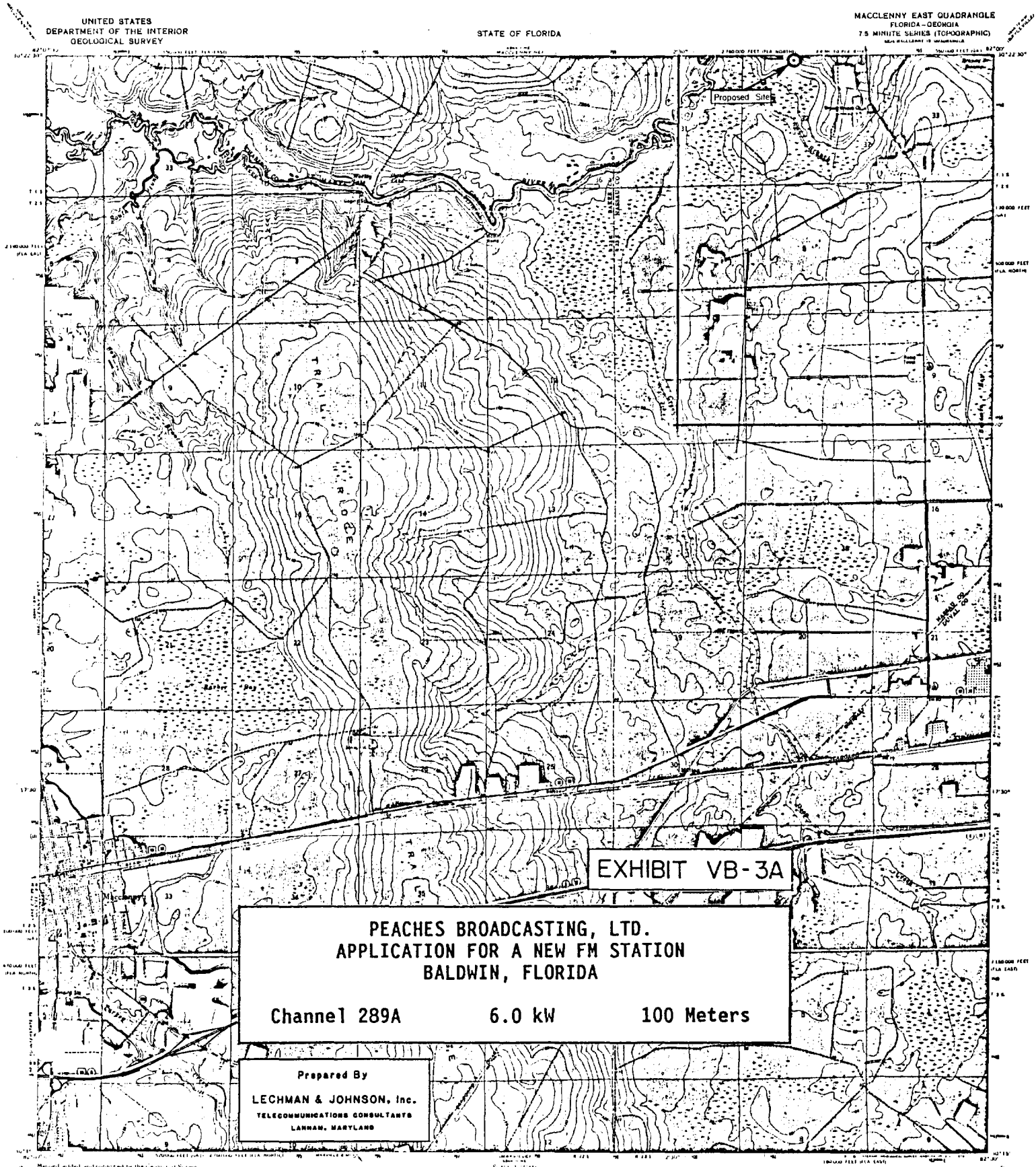
Channel 289A **6.0 kW** **100 Meters**

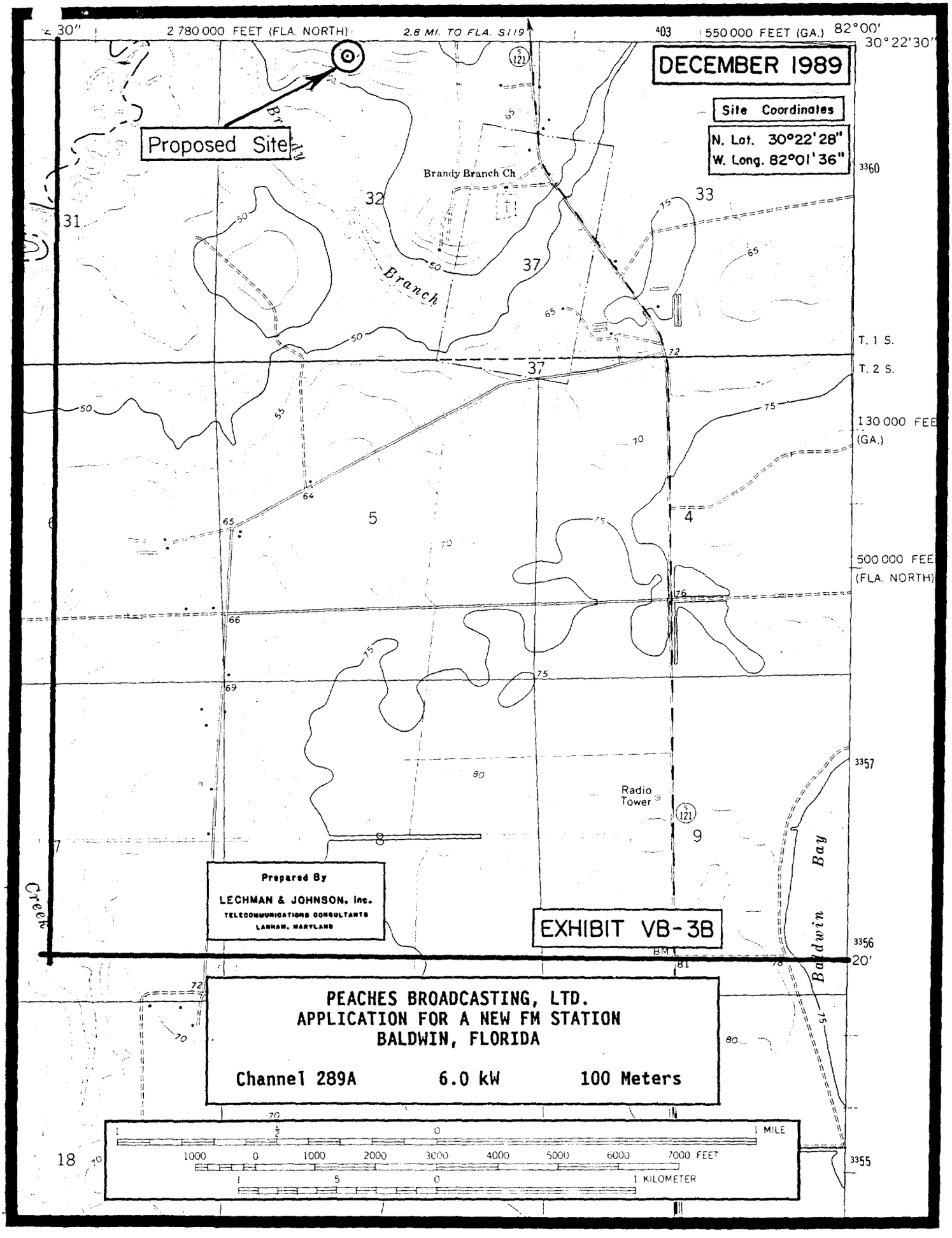
Prepared By
LECHMAN & JOHNSON, Inc.
TELECOMMUNICATIONS CONSULTANTS
LANHAM, MARYLAND

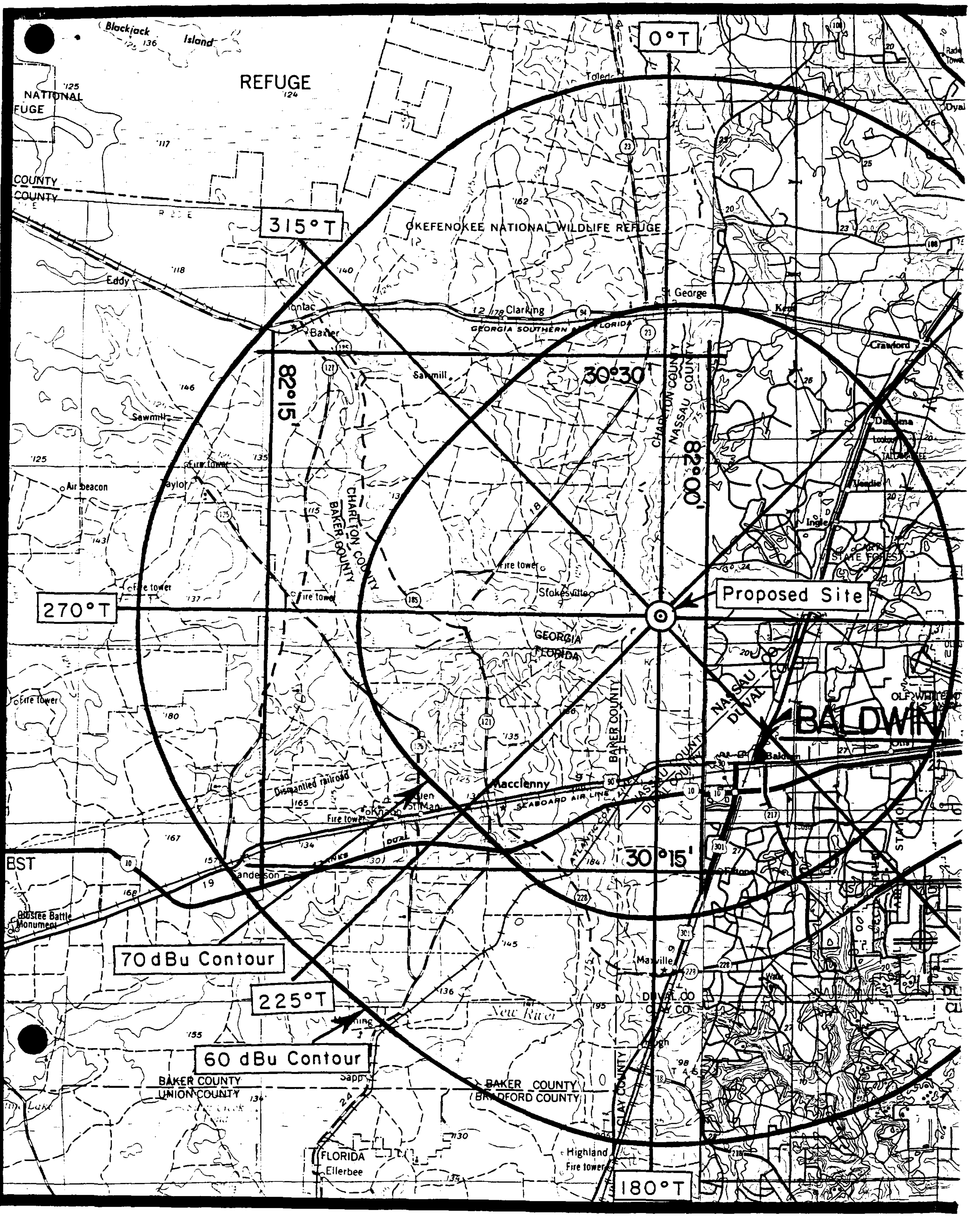
Site Coordinates

N. 30°22'28"
W. Long. 82°01'36"

DECEMBER 1989

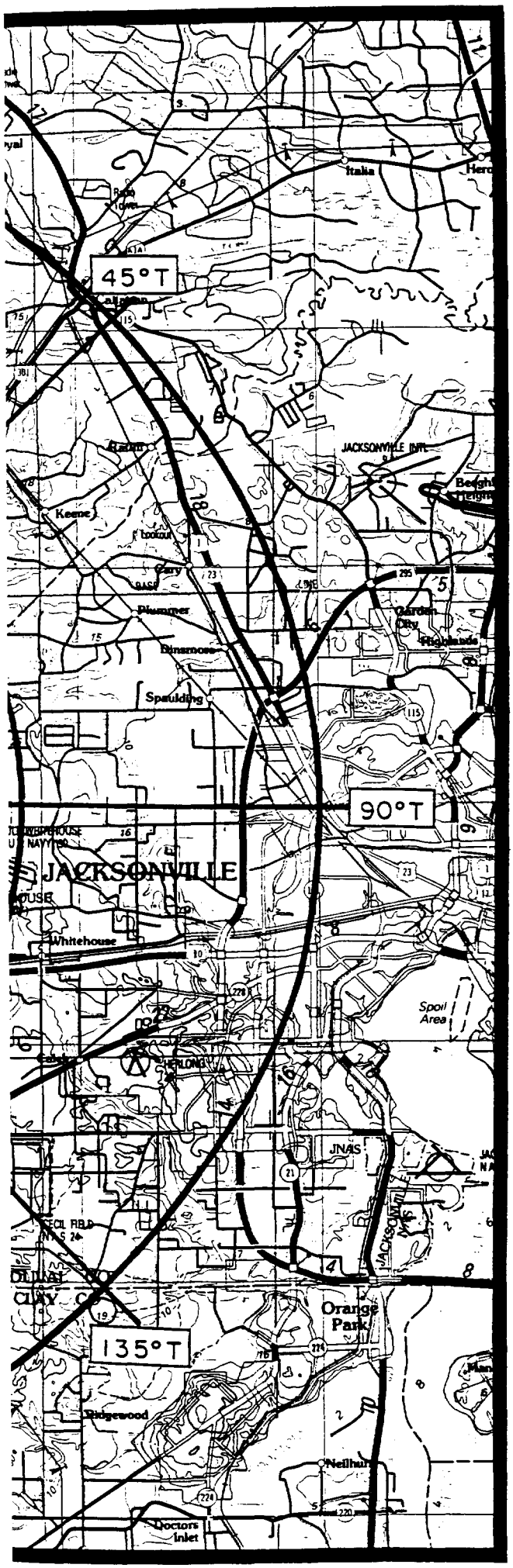



DECEMBER 1989
Site Coordinates
N. Lat. 30°22'28"
W. Long. 82°01'36"
Proposed Site
Brandy Branch Ch
Branch
Prepared By
LECHMAN & JOHNSON, Inc.
TELECOMMUNICATIONS CONSULTANTS
LANHAM, MARYLAND
EXHIBIT VB-3B
PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA
Channel 289A
6.0 kW
100 Meters
Radio Tower
Baldwin Bay
T. 1 S.
T. 2 S.
2 780 000 FEET (FLA. NORTH)
550 000 FEET (GA.)
130 000 FEET (GA.)
500 000 FEET (FLA. NORTH)
2.8 MI. TO FLA. S119
82°00'
30°22'30"
1 MILE
7000 FEET
1 KILOMETER



0°T
315°T
270°T
225°T
180°T
Proposed Site
70 dBu Contour
60 dBu Contour
30°30'
30°15'
82°15'
82°00'
REFUGE
NATIONAL
OKEFENOKEE NATIONAL WILDLIFE REFUGE
BALDWIN
Macclenny
GEORGIA
FLORIDA
CHARLTON COUNTY
BAKER COUNTY
NASSAU COUNTY
DUVAL COUNTY
CLAY COUNTY
UNION COUNTY
BRADFORD COUNTY
St George
Clarking
Eddy
Taylor
Sawmill
Fire tower
Air beacon
Stokesville
Maxville
Highland
Ellerbee
Sapp
Sanderson
Olustee Battle Monument
Dismantled railroad
SEABOARD AIR LINE
GEORGIA SOUTHERN AND FLORIDA
New River
Crawford
Dinsmore

DECEMBER 1989



Site Coordinates
N. Lat. 30°22'28"
W. Long. 82°01'36"

Area :	2503 sq. km.
Pop. :	101,111 persons

EXHIBIT VB-4A

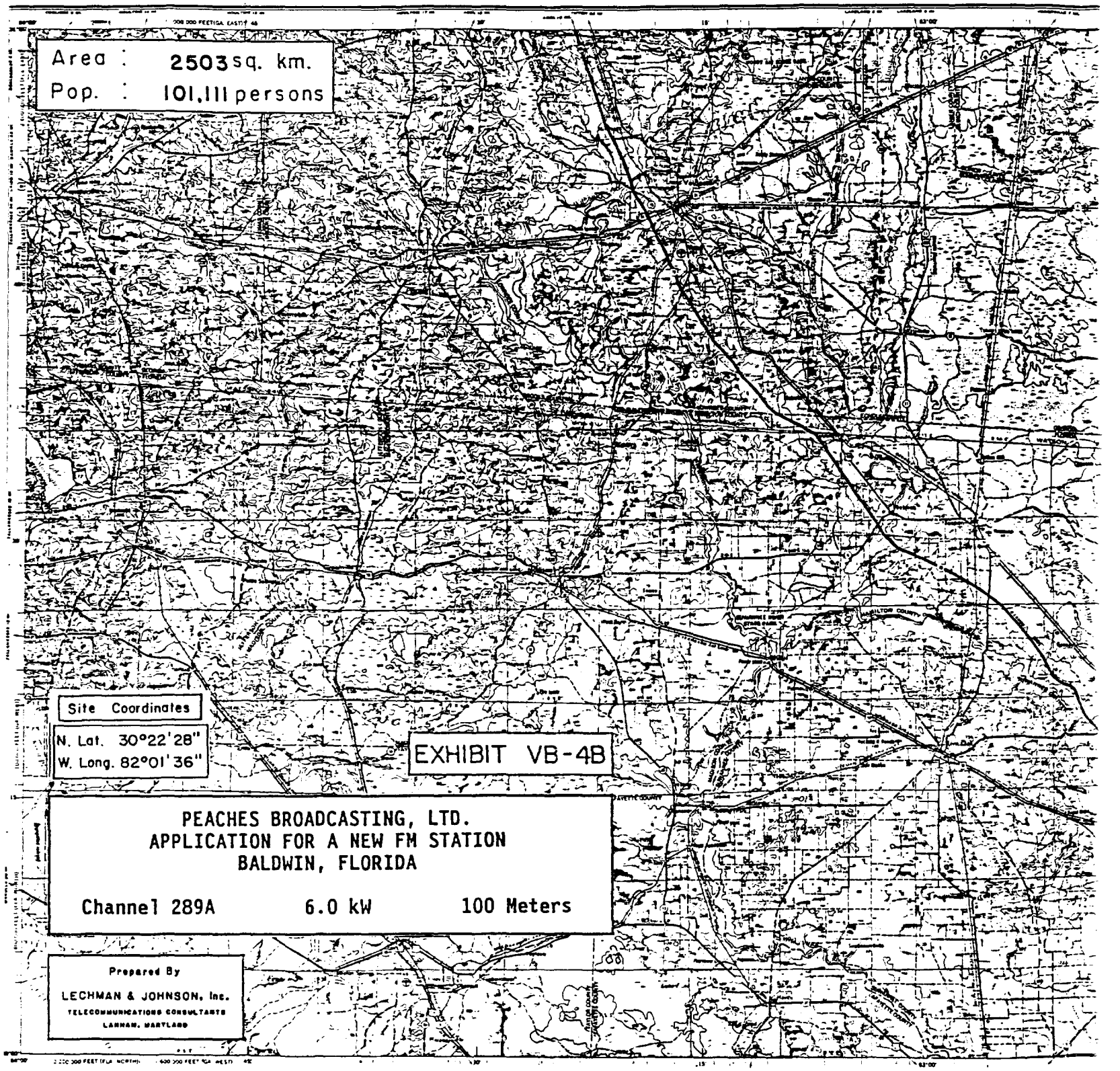
PEACHES BROADCASTING, LTD.
APPLICATION FOR A NEW FM STATION
BALDWIN, FLORIDA

Channel 289A **6.0 kW** **100 Meters**

Prepared By
LECHMAN & JOHNSON, Inc.
TELECOMMUNICATIONS CONSULTANTS
LANHAM, MARYLAND

EASTERN UNITED STATES 1:250,000

VALDOSTA



LEGEND

BOSTON
RICHMOND
EVANSTON

Scale 1:250,000

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

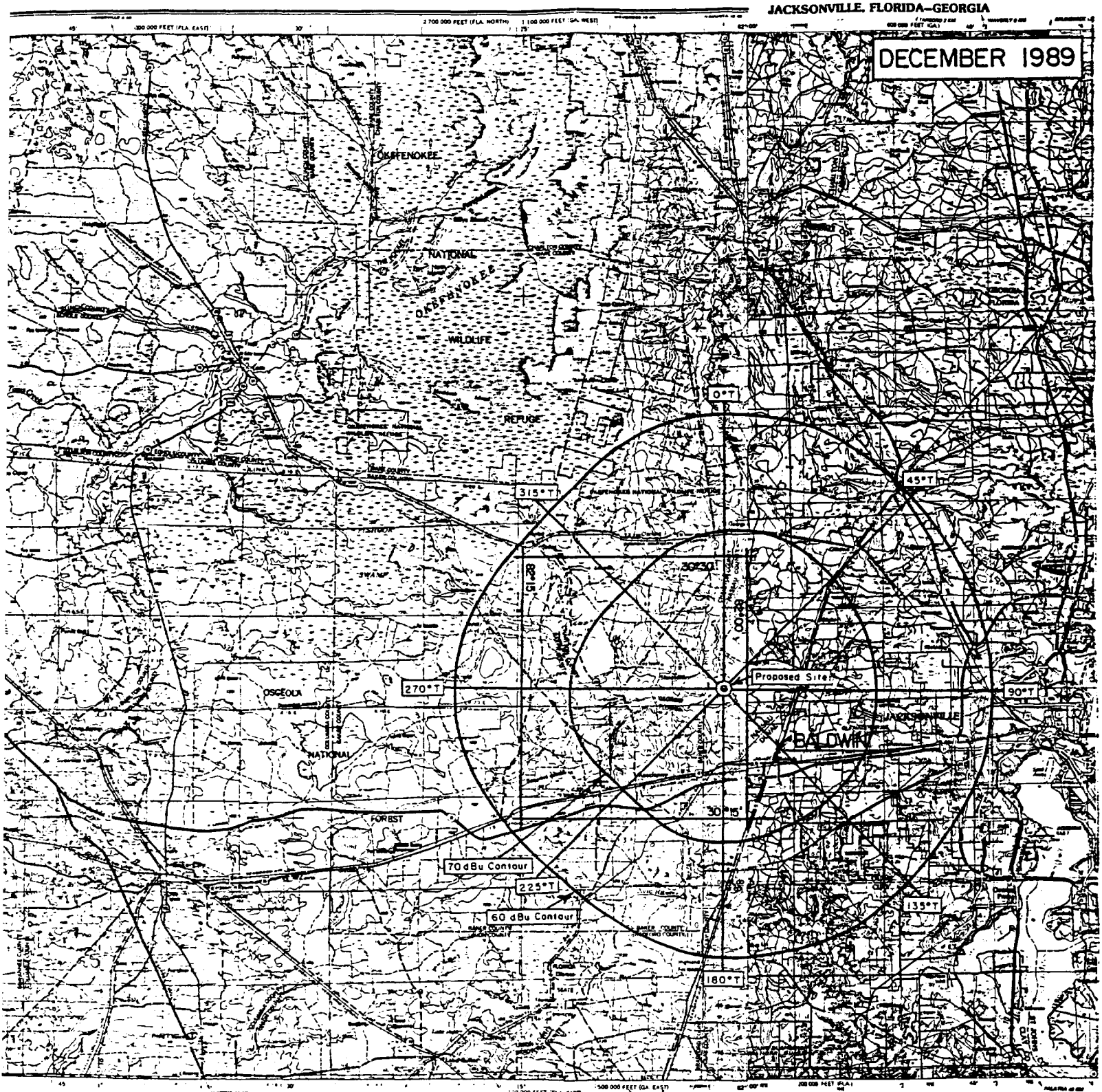
TRANSVERSE MERCATOR PROJECTION

FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20242

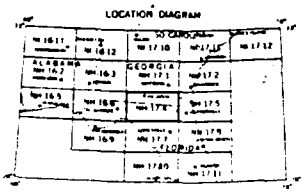
NH

JACKSONVILLE, FLORIDA–GEORGIA

DECEMBER 1989



LOCATION DIAGRAM



VALDOSTA, GA.;
1954

EXHIBIT NO. VB-5

Lechman & Johnson, Inc.
9500 Annapolis Road, Suite C-1
Lanham, MD 20706

SEPARATION STUDY

BALDWIN, FL

Channel 289A 030-22-28 / 082- 1-36 erp : 6.000 kw eah : 100 m

Designation	Channel (MHz)	Pertinent Allocation or Authorized Station	Separation Actual	(Km) Required	
Co-channel	289A (105.7)	Baldwin, FL WINDOW OPEN 891114, 891214 030-19-18 / 082- 0-54 0.00 kw / 0 m bearing from proposed = 169.20 deg	5.96 SHORT (-109.04 km)	115	1 /
Co-channel	289A (105.7)	NEW, Watertown, FL -871203NR 030-17-32 / 082-37-18 3.00 kw / 100 m bearing from proposed = 261.05 deg	57.94 SHORT (-57.06 km)	115	2 /
Co-channel	289A (105.7)	NEW, Watertown, FL BPH-871202MF 030-11-47 / 082-40-48 3.00 kw / 100 m bearing from proposed = 252.65 deg	65.88 SHORT (-49.12 km)	115	2 /
1st Adjacent	288A (105.5)	WSOS, St. Augustin, FL 029-55- 5 / 081-23-26 0.00 kw / 0 m bearing from proposed = 129.52 deg	79.47 CLEAR (7.47 km)	72	
1st jacent	288A (105.5)	WSOS, St. Augustin, FL BLH-860714KA 029-55- 5 / 081-23-26 2.25 kw / 115 m bearing from proposed = 129.52 deg	79.47 CLEAR (7.47 km)	72	

1st Adjacent	288C3 (105.5)	WSOS, St. Augustin, FL 029-50-52 / 081-19-42 0.00 kw / 0 m bearing from proposed = 130.91 deg	89.10 CLEAR (	89 0.10 km)
1st Adjacent	288A (105.5)	WYKS, Gainesville, FL 029-37-52 / 082-25-18 0.00 kw / 0 m bearing from proposed = 204.81 deg	90.78 CLEAR (	72 18.78 km)
1st Adjacent	288A (105.5)	Gainesville, FL 029-37-52 / 082-25-18 0.00 kw / 0 m bearing from proposed = 204.81 deg	90.78 CLEAR (	72 18.78 km)
1st Adjacent	288A (105.5)	WYKS, Gainesville, FL BLH-4780 029-37-52 / 082-25-18 3.00 kw / 81 m bearing from proposed = 204.81 deg	90.78 CLEAR (	72 18.78 km)
1st Adjacent	290C (105.9)	WOCL, Deland, FL BLH-870721KC 028-55-16 / 081-19- 9 100.00 kw / 482 m bearing from proposed = 156.89 deg	175.05 CLEAR (	165 10.05 km)
2nd Adjacent	287A (105.3)	Folkston, GA 030-49-54 / 082- 0-24 0.00 kw / 0 m bearing from proposed = 2.15 deg	50.72 CLEAR (	31 19.72 km)
3rd Adjacent	292A (106.3)	WEAGFM, Starke, FL BLH-871229KE 029-55-50 / 082- 6-16 1.35 kw / 151 m bearing from proposed = 188.63 deg	49.77 CLEAR (	31 18.77 km)
I.F. eat	236C (95.1)	WAPEFM, Jacksonville, FL BPH-880330JA 030-19-22 / 081-38-34 100.00 kw / 300 m bearing from proposed = 98.77 deg	37.35 CLEAR (	29 8.35 km)

I.F. Beat	236C1 (95.1)	WAPEFM, Jacksonville, FL BLH-5576 030-17- 9 / 081-44-52 100.00 kw / 140 m bearing from proposed = 110.14 deg	28.56 CLEAR (	22 6.56 km)

END OF STUDY

1 / The subject proposal is for the Baldwin, FL Channel 289A allocation

2 / The Watertown allocation was changed to Channel 271A (See Report And Order, MM Docket No. 87-77, released September 25, 1989)