910703 MF

ORIGINAL

VENABLE, BAETJER, HOWARD & CIVILETTI
ATTORNEYS AT LAW
A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

BALTIMORE, MD
McLEAN, VA
ROCKVILLE, MD
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BEL AIR, MD

SUITE 1000
1201 NEW YORK AVENUE, N. W.
WASHINGTON, D.C. 20005-3917
(202) 962-4800
FAX (202) 962-8300
TELEX 898032

RICHARD M. VENABLE (1839-1910)
EDWIN G. BAETJER (1868-1945)
CHARLES McH. HOWARD (1870-1942)

WRITER'S DIRECT NUMBER IS
(202) 962-4811

July 3, 1991

The Honorable Donna H. Searcy
Secretary
Federal Communications Commission
1919 M Street N.W., Room 222
Washington, DC 20554

RE: Application of Golden Corners Broadcasting, Inc.,
Clemson, ~~NC~~ SC. -- FCC File No. BPH-901218MH

Dear Ms. Searcy:

Please find enclosed an engineering amendment to the above-referenced application. This amendment is filed for the purpose of eliminating objections of the Federal Aviation Administration ("FAA") to the proposed construction on the basis of height.

Based upon the applicant's stated intention to obtain a certified site survey, the FAA has stated that it would have no objection to the proposed construction on these grounds. The FAA has also stated, however, that it cannot issue a determination of no hazard because of predicted EMI as a result of the proposed construction. A copy of this correspondence is included in the amendment.

The applicant has determined, in consultation with its consulting engineer, an airspace consultant, and the FAA, that the predicted EMI cannot be eliminated under the FAA's existing model with a proposal which meets the Commission's requirements. The applicant will, therefore, be seeking a grant conditional upon a showing of no intereference to air navigation on the basis of EMI.

Respectfully submitted,

Barbara L. (Pixie) Waite

BLW/arp
Enclosure

Federal Communications Commission
Washington, D. C. 20554

FCC 301

Approved by OMB
3060-0027
Expires 2/28/92
See Page 25 for information regarding public burden estimate

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

For COMMISSION Fee Use Only	FEE NO:	For APPLICANT Fee Use Only Is a fee submitted with this application? ☐ Yes ☐ No
	FEE TYPE:	If fee exempt (see 47 C.F.R. Section 1.1112), indicate reason therefor (check one box): ☐ Noncommercial educational licensee ☐ Governmental entity
	FEE AMT:	
	ID SEQ:	FOR COMMISSION USE ONLY FILE NO.

Section I - GENERAL INFORMATION

1. Name of Applicant			Send notices and communications to the following person at the address below:		
Golden Corners Broadcasting, Inc.			Name: Barbara L. Waite Venable, Baetjer, Howard & Civiletti		
Street Address or P.O. Box P. O. Box 1560			Street Address or P.O. Box 1201 New York Ave., N.W., Ste. 1000		
City Clemson	State NC	ZIP Code 29633	City Washington	State DC	ZIP Code 20005
Telephone No. (Include Area Code) (803) 654-1560			Telephone No. (Include Area Code) (202) 962-4811		

RECEIVED
JUL - 3 1991
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

2. This application is for: ☐ AM ☐ FM ☐ TV

(a) Channel No. or Frequency	(b) Principal Community	City	State
285A		Clemson	~~NC~~ SC

(c) Check one of the following boxes:

☐ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: _____

☐ MINOR change in licensed facilities; call sign: _____

☐ MAJOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☒ AMENDMENT to pending application; Application file number: BPH-901218MH

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? N/A ☐ Yes ☐ No

If Yes, state:

Call letters	Community of License	
	City	State

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Signature
GOLDEN CORNERS BROADCASTING, INC.	George W. Johnson
Date: 6-20-91	Title: PRESIDENT

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 71 hours 45 minutes to 301 hours 30 minutes with an average of 118 hours 28 minutes 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. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C. 20503.

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.

TECHNICAL EXHIBIT

IN SUPPORT OF

APPLICATION FOR CONSTRUCTION PERMIT

NEW FM - CHANNEL 285A

CLEMSON, SOUTH CAROLINA

(AMENDMENT TO BPH-901218MH)

GOLDEN CORNERS BROADCASTING, INC.

Prepared June 13, 1991

CONTEMPORARY COMMUNICATIONS
Broadcast Consultants
Post Office Box 159
Fayetteville, GA 30214
Phone: (404) 460-6159
Fax: (404) 460-6129

CONTEMPORARY COMMUNICATIONS

P.O. BOX 159 • FAYETTEVILLE, GA 30214 • (404) 460-6159 • FAX (404) 460-6129

INDEX OF

TECHNICAL EXHIBITS

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EXHIBIT TE-1

DISCUSSION

1) PURPOSE OF APPLICATION

This Technical Exhibit has been prepared on behalf of Golden Corners Broadcasting, Inc., applicant for a new FM station on Channel 285A at Clemson, South Carolina (File No. BPH-901218MH). The instant application seeks to amend the pending application to reduce the overall height above ground of the proposed tower structure in order to satisfy FAA concerns regarding air safety.

2) PROPOSED SITE

The proposed antenna site is located at 507 Harper Road, 4.8 kilometers east-northeast of La France, in Anderson County, South Carolina. As this is the same location specified in the currently pending application, no topographic map is included herein.

3) ALLOCATION CONSIDERATIONS

The proposed site fully complies with the spacing requirements set forth in Section 73.213(c)(1), as an application for authorization under requirements equivalent to those of prior rules. A Separation Study showing the distances to the pertinent co-channel and adjacent channel stations, outstanding construction permits, pending applications, vacant allotments and pending rule making proposals was submitted with the original application.

4) FACILITIES PROPOSED

In accordance with Section 73.213(c)(1), the applicant proposes to operate as a "grandfathered short-spaced" Class A facility with an effective radiated power of 3.2 kw at 92 meters above average terrain. This combination of power and height is equivalent to 3.0 kw at 100 meters above average terrain, as permitted by Section 73.213(c)(1). A 73 meter guyed tower will be constructed at the proposed site. A 2-bay FM antenna will be side-mounted near the top of the tower. The center of radiation will be 329 meters above mean sea level, 69 meters above ground.

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5) TOPOGRAPHIC DATA

The average elevation data between 3 to 16 kilometers for each radial was computer generated in accordance with Section 73.312(d) of the FCC Rules and Regulations, using the National Geophysical Data Center (NGDC) linearly interpolated 30-second database (TPG-0050). The site elevation was derived from a USGS 7.5-minute topographic map.

6) CONTOUR DATA

The distances to the 3.16 mV/m (70 dBu) and the 1 mV/m (60 dBu) contours were computer generated in accordance with Section 73.333, Figure 1, of the FCC Rules and Regulations. The contours are depicted on Exhibit TE-4.

7) AREA AND POPULATION DATA

The area and population within the 1.0 mV/m (60 dBu) contour was calculated using the computerized "COUNTPOP" program which utilizes the 1990 census data from the PL 94-171 files, as supplied by the United States Bureau of Census.

8) CITY COVERAGE

The instant proposal is in substantial compliance with Section 73.315(a) of the Commission's Rules, inasmuch as the proposed 3.16 mV/m (70 dBu) contour will encompass at least 80% of the city of license. Only a small portion of extreme northwestern Clemson lies outside the predicted "city grade" contour. In accordance with Commission policy, a waiver of 47 C.F.R. Section 73.315(a) was not deemed necessary. See *John R. Hughes, Inc.,* 50 Fed Reg. 5679 (Feb. 11, 1985). See also *Southwest Communications, Inc.,* released July 16, 1986 (letter from Chief, FM Branch, reference 8920-HVT).

9) STUDIO LOCATION

The main studio of the proposed station will be located within the station's principal community contour (3.16 mV/m), in accordance with Section 73.1125 of the Commission's Rules.

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10) BLANKETING CONTOUR

Based on an effective radiated power of 3.2 kw, the "blanketing" contour (115 dBu) extends 0.70 kilometers from the proposed site. The applicant accepts full responsibility for the elimination of any objectionable interference that may be caused by the proposed station and agrees that full compliance with the procedures and requirements of Section 73.318(b) and (d) will be attained. Steps will be taken to satisfy complaints of "blanketing" interference, including, but not limited to, the installation of filters, traps, or other devices.

11) OTHER RADIO STATIONS

There are no FM or TV stations located within 10 kilometers of the proposed site. Therefore, the proposed station would not cause any receiver-induced interference to any authorized broadcast station.

In the event of a problem to any non-broadcast facilities or radio-receivers, the applicant will take the necessary remedial steps to resolve the intermodulation interference.

12) ENVIRONMENTAL CONSIDERATIONS

The proposed construction is categorically excluded from environmental processing pursuant to Section 1.1306 of the Commission's Rules, because it does not involve a site location specified in Section 1.1307(a)(1)-(5); does not specify high-intensity obstruction lighting under Section 1.1307(a)(6); and will not result in human exposure to radiation in excess of the applicable standards specified in Section 1.1307(b) of the Commission's Rules.

Additionally, the proposed construction satisfies the requirements of OST Bulletin No. 65, *("Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation")*, October 1985, and fully complies with the radio frequency protection guidelines contained in the ANSI C95.1-1982 standard *(American National Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 KHz to 100 GHz)* with respect to all areas accessible to workers or the general public. In addition to the protection afforded by the proposed antenna height above ground, the facility will be properly marked with signs and entry to the facility will be restricted by means of locked fencing.

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13) CONCLUSION

It is believed this proposal conforms to all applicable FCC Rules and Regulations, and that all technical data has been prepared in accordance with standard FCC practices.

COPYRIGHT NOTICE AND USE AGREEMENT

DISCLAIMER NOTICE

Although extreme care has been taken to insure the accuracy of the information contained herein, neither Larry G. Fuss nor Contemporary Communications Broadcast Services, Inc., assumes any liability for any errors and omissions in this report, and shall not be liable for any injuries or damages (including consequential) which might result from the use of this report. Filing of this report with the Federal Communications Commission constitutes acceptance of this agreement.

###

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EXHIBIT TE-2
FAA NOTIFICATION

The original proposal involved the construction of a 78 meter (283 feet) tower at a location approximately 4.8 kilometers (3 miles) east-northeast of La France, South Carolina. However, the FAA indicated that a reduction in height to 73 meters (239 feet) was necessary in order to avoid any effect on the Minimum Descent Altitude for the Clemson-Oconee County Airport NDB-A approach. The instant application seeks to lower the height of the proposed tower to 239 feet, in order to avoid any adverse impact on air navigation. However, the FAA continues to maintain that the proposed facility would cause Electro Magnetic Interference (EMI) if constructed at any location within the restricted site zone.

A copy of the FAA's "Determination of Hazard to Air Navigation" (Aeronautical Study No. 90-ASO-2419-OE) is attached hereo.

###

US Department of Transportation
Federal Aviation Administration

SOUTHERN REGION
ATTN: ASO-532
P.O. BOX 20636
ATLANTA, GEORGIA 30320
(404) 763-7646

RECEIVED JUN 12 1991

IN REPLY REFER TO
AERONAUTICAL STUDY
NO. 90-ASO-2419-OE

DETERMINATION OF HAZARD TO AIR NAVIGATION

SPONSOR	CONSTRUCTION LOCATION
Golden Corners Broadcasting, Inc. WCCP Radio P.O. Box 1560 Clemson, SC 29633	PLACE NAME: La France, SC LATITUDE: 34°38'11" LONGITUDE: 82°42'26"

CONSTRUCTION PROPOSED	DESCRIPTION	HEIGHT (IN FEET) ABOVE GROUND	HEIGHT (IN FEET) ABOVE MSL
	Antenna Tower (104.9 MHz, 3 KW ERP)	283	1136

An aeronautical study of the proposed construction described above has been completed under the provisions of the Federal Aviation Act of 1958, as amended. Based on the study, it is found that the construction would have a substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigational facilities. Therefore, pursuant to the authority delegated to me, it is hereby determined that the construction would be a hazard to air navigation.

This determination is subject to review if a petition is filed by an interested party on or before June 12, 1991. In the event a petition for review is filed it should be submitted in triplicate to the Manager, Flight Information and Obstructions Branch, AAT-210, Federal Aviation Administration, Washington, D.C., 20591, and contain a full statement of the basis upon which it is made.

This determination becomes final on June 22, 1991, unless a petition for review is timely filed, in which case the determination will not become final pending disposition of the petition. Interested parties will be notified of the grant of any review.

An account of the study findings, aeronautical objections, if any, registered with the FAA during the study, and the basis for the FAA's decision in this matter will be found below and/or on the following page(s).

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

The determination, issued in accordance with Sections 307(a) and 313(a) of the Federal Aviation Act of 1958 as amended, concerns the effect of this proposal on the safe and efficient use of the navigable airspace by aircraft and does not relieve the sponsor of any compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Distribution: ZAT-03

Kenneth R Patterson

SIGNED Kenneth R. Patterson TITLE Airspace Specialist
System Management Branch

ISSUED IN East Point, GA ON June 12, 1991

The proposed antenna tower would be located approximately 8.47 nautical miles north of the Anderson County Airport Reference Point. It would exceed obstruction standards contained in Part 77, Subpart C, of the Federal Aviation Regulations as follows:

77.23(a)(3) by 94 feet, a height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria).

The proposal would necessitate raising the Minimum Descent Altitude (MDA) for the Clemson-Oconee County Airport NDB-A approach from 1500 ft. to 1600 ft. The proponent has agreed to lower the proposal to 239 ft. AGL/1092 ft. AMSL and provide a certified survey of at least a 2C accuracy (+/- 50 ft. Horz. and +/- 20 ft. Vert.). At the reduced height and with a certified survey, the structure would have no adverse effect upon any terminal or en route instrument procedure or altitude.

Study for Visual Flight Rules (VFR) effect disclosed that the proposal would not infringe upon traffic pattern airspace of any public use or military airport. It would not adversely affect en route VFR air navigation.

Study for Electro Magnetic Interference (EMI) effect revealed intermodulation interference with the Greenville, SC, GYH/GMU (108.3 MHz/109.7 MHz) localizer facilities. Our analysis indicates that aircraft operating in the frequency protected service volume (FPSV) making an instrument landing system (ILS) approach to Runway 4 at the Donaldson Center Airport, and Runway 36 at the Greenville Downtown Airport will be subject to hazardous two signal/third order intermodulation interference of the type (A) 2f1 - f2 and three signal/third order intermodulation interference of the type (B) f1 + f2 - f3 type resulting in navigation receiver overload. This interference would be caused by the proposed frequency in combination with existing stations as follows:

Type (A): [WANS(107.3 MHz) - PROP(104.9 MHz) = GMU(109.7 MHz)]

Type (B): [WANS(107.3 MHz) + PROP(104.9 MHz) - WLWZ(103.9 MHz) = GYH(108.3 MHz)]

Intermodulation interference occurs whenever two or more signals or their integer multiples combine in such a manner that the product is the frequency to which the receiver is tuned. These signals combine in the nonlinear external devices to produce sum and difference frequencies through heterodyne action.

Therefore, it is determined that the proposal would have a substantial adverse effect upon the safe and efficient utilization of the navigable airspace by aircraft and on the operation of air navigation facilities and would be a hazard to air navigation.

The proposal was found to have substantial adverse effects as a result of the internal study and, therefore, public circularization was not deemed necessary.

EXHIBIT TE-3

APPLICANT: GOLDEN CORNERS BROADCASTING, INC.
FACILITY: NEW FM - CHANNEL 285A
LOCATION: CLEMSON, SOUTH CAROLINA

ANTENNA SYSTEM PROFILE

Height of Antenna Radiation Center
Above Average Terrain = 92 meters

SITE COORDINATES:

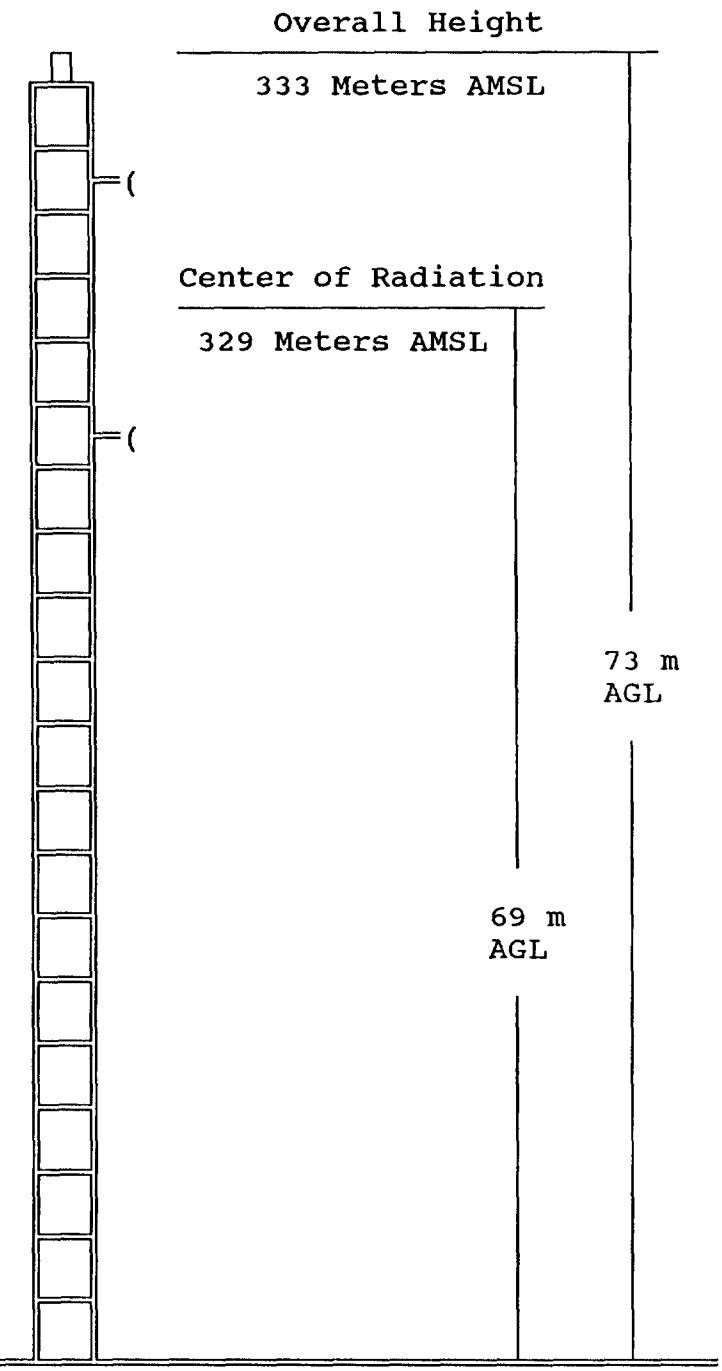
North Latitude: 34-38-11
West Longitude: 82-42-26

The proposed site is located 4.8 kilometers east-northeast of La France, in Anderson County, South Carolina.

Proposed tower will be uniform cross-section steel, guyed.

Painting and lighting in accordance with FAA regulations (if required).

A 2-Bay FM antenna will be side-mounted near the top as shown.



Prepared by:

CONTEMPORARY COMMUNICATIONS
BROADCAST CONSULTANTS
Post Office Box 159
Fayetteville, GA 30214
Phone: (404) 460-6159
Fax: (404) 460-6129

** NOT TO SCALE **

Site Elevation = 260 meters AMSL

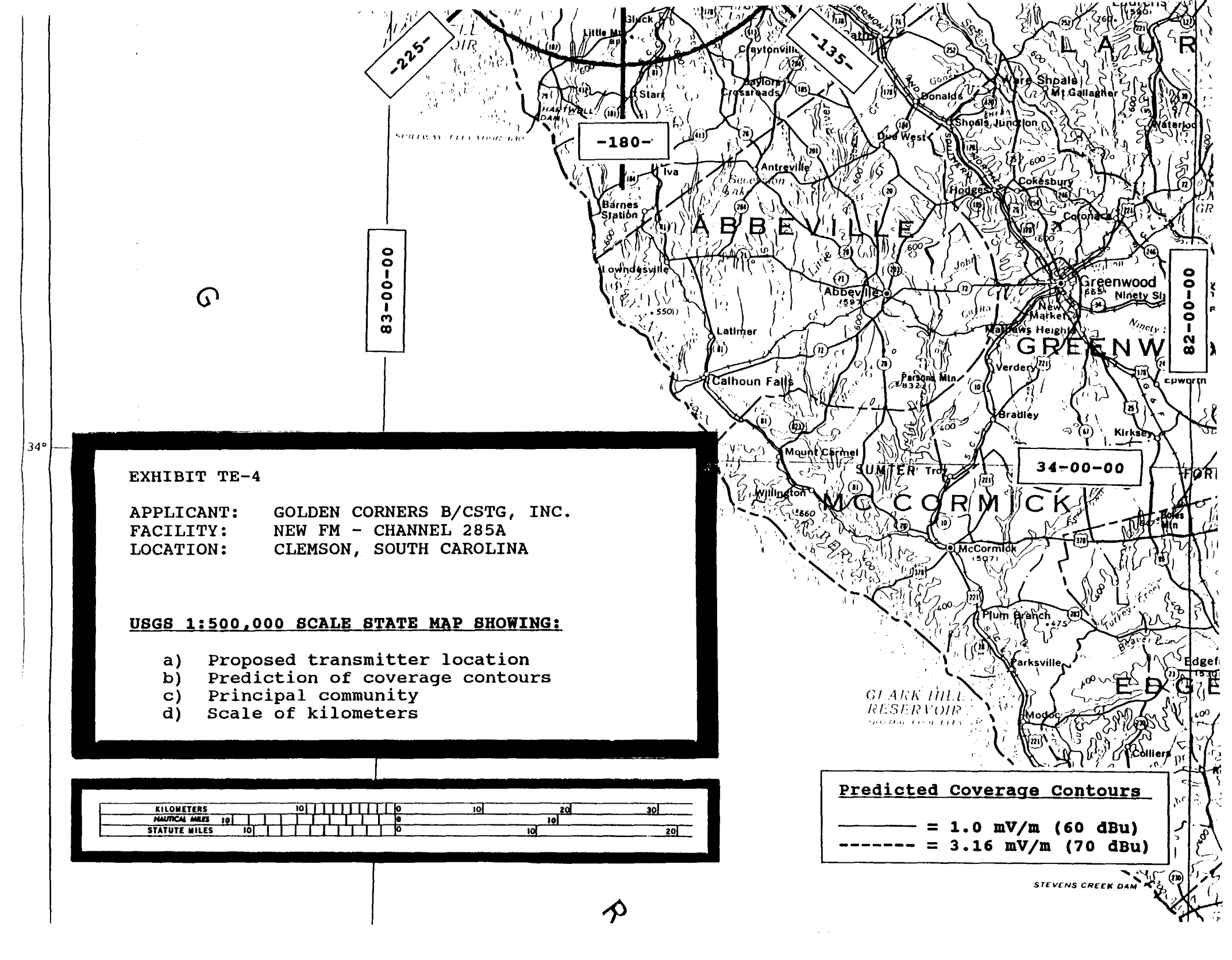


EXHIBIT TE-4

APPLICANT: GOLDEN CORNERS B/CSTG, INC.
FACILITY: NEW FM - CHANNEL 285A
LOCATION: CLEMSON, SOUTH CAROLINA

USGS 1:500,000 SCALE STATE MAP SHOWING:

a) Proposed transmitter location
b) Prediction of coverage contours
c) Principal community
d) Scale of kilometers

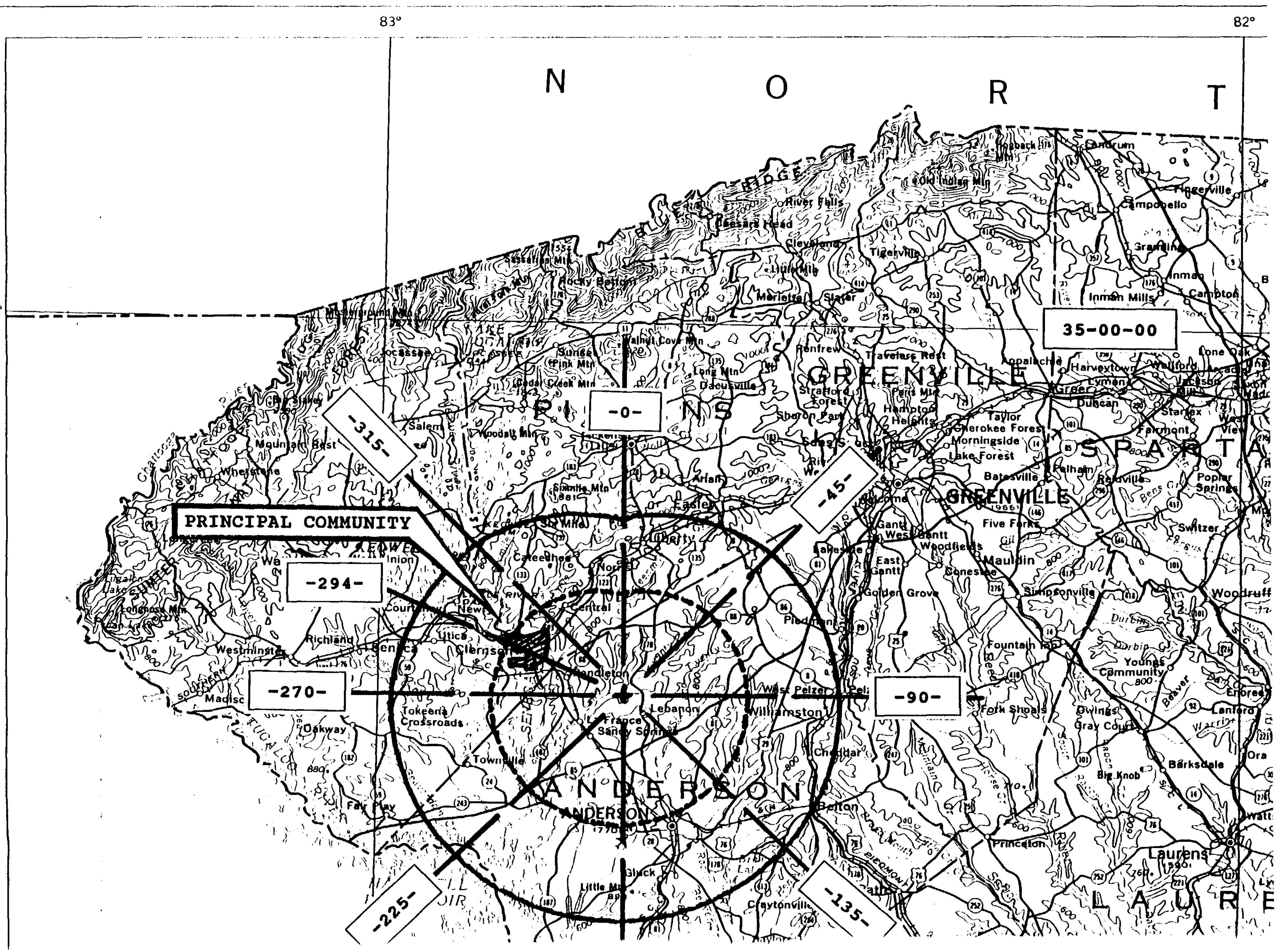

83°
82°
35°
N O R T
35-00-00
PRINCIPAL COMMUNITY
-0-
-45-
-90-
-135-
-225-
-270-
-294-
-315-
GREENVILLE
GREENVILLE
ANDERSON
ANDERSON
Clemson
Pendleton
Easley
Liberty
Central
Seneca
Westminster
Walhalla
Salem
Pickens
Piedmont
Williamston
West Pelzer
Belton
Mauldin
Simpsonville
Greer
Laurens
Landrum
Campobello
Inman
Inman Mills
Caesars Head
River Falls
Cleveland
Tigerville
Marietta
Slater
Travelers Rest
Fountain Inn
Fork Shoals
Gray Court
Barksdale
Princeton
Lebanon
Sandy Springs
La France
Townville
Tokeena Crossroads
Oakway
Fair Play
Richland
Madison
Mountain Rest
Whetstone
Jocassee
Six Mile
Cateechee
Norris
Five Forks
Gantt
West Gantt
East Gantt
Golden Grove
Welcome
Taylor
Cherokee Forest
Morningside
Lake Forest
Batesville
Pelham
Reidville
Woodruff
Enoree
Lanford
Ora
Cheddar
Gluck
Little Mtn
Claytonville
Blue Ridge
Utica
Lyman
Wellford
Duncan
Startex
Fairmont
Poplar Springs
Switzer
Youngs Community
Owings
Big Knob
Sassafras Mtn
Rocky Bottom
Table Rock
Paris Mtn
Hampton Heights
Sharon Park
Dacusville
Arial
Glassy Mtn
Sunset
Woodfields
Conestee
Gowensville
Fingerville
Gramling
Campton
Lone Oak
Harveytown
Apalachie
Renfrew
Stratford Forest
Long Mtn
Woodall Mtn
Cedar Creek Mtn
Pink Mtn
Walnut Cove Mtn
Old Indian Mtn
Hogback Mtn
Little Mtn
Mountainview Mtn
Big Stakey
Longnose Mtn
Bens Cr
Durbin Cr
Saluda R

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EXHIBIT TE-5

CERTIFICATION

State of Georgia)
) ss.
County of Fayette)

I, Larry G. Fuss, do hereby certify as follows:

1) I am a qualified and experienced broadcast consultant. I have been actively involved in the broadcast industry since 1972 and currently hold a lifetime FCC General Class Radio Telephone License (License No. PG-8-8450).

2) I have prepared numerous applications and rule making petitions which have been accepted for filing with the Federal Communications Commission.

3) I have been retained by Golden Corners Broadcasting, Inc., to prepare the attached Technical Exhibit.

4) The Technical Exhibit, of which this deposition is a part, and the measurements, calculations, studies and determinations upon which this report is based, were prepared by me or under my supervision and direction. All material contained therein is believed to be true and correct, to the best of my knowledge and belief.

Larry G. Fuss
Affiant

June 13, 1991
Date

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____

Name of Applicant

GOLDEN CORNERS BROADCASTING, INC.

Call letters *(if issued)*	Is this application being filed in response to a window? ☐ Yes ☒ No If Yes, specify closing date: _____
n/a	

Purpose of Application: *(check appropriate box(es))*

- ☒ Construct a new (main) facility — AMEND PENDING APPLICATION
- ☐ Construct a new auxiliary facility
- ☐ Modify existing construction permit for main facility
- ☐ Modify existing construction permit for auxiliary facility
- ☐ Modify licensed main facility
- ☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- ☐ Antenna supporting-structure height
- ☐ Effective radiated power
- ☐ Antenna height above average terrain
- ☐ Frequency
- ☐ Antenna location
- ☐ Class
- ☐ Main Studio location
- ☐ Other *(Summarize briefly)*

File Number(s) AMEND BPH-901218MH

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
285	CLEMSON	PICKENS	SC

Class *(check only one box below)*

☒ A ☐ B1 ☐ B ☐ C3 ☐ C2 ☐ C1 ☐ C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark. 507 HARPER ROAD, 4.8 KILOMETERS EAST-NORTHEAST OF LA FRANCE, IN ANDERSON COUNTY, SOUTH CAROLINA.

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	34°	38'	11"	Longitude	82°	42'	26"

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both. SAME SITE SPECIFIED IN EXISTING APPLICATION FOR BPH-901218MH.

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

n/a

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude ° ' "	Longitude ° ' "

5. Has the FAA been notified of the proposed construction? ☒ Yes ☐ No
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No. TECH EX

Date 12/04/90 Office where filed EAST POINT, GEORGIA

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	NONE WITHIN 8 KM		
(b)			

7. (a) Elevation: *(to the nearest meter)*

(1) of site above mean sea level; 260 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 73 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 333 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground 69 meters (H)

69 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] 329 meters (H)

329 meters (V)

(3) above average terrain 92 meters (H)

92 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No. TECH EX

9. Effective Radiated Power:
(a) ERP in the horizontal plane 3.2 ※ kw (H*) 3.2 ※ kw (V*)

(b) Is beam tilt proposed? ☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No. n/a

_____ kw (H*) _____ kw (V*)

*Polarization

※ EQUIVALENT TO 3 KW AT 100 METERS AAT, PER SECTION 73.213(c)(1).

10. Is a directional antenna proposed? ☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field. Exhibit No. n/a

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)? ☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service. Exhibit No. n/a

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal? ☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125. Exhibit No. n/a

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207? ☐ Yes ☒ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply? ☒ Yes ☐ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers. Exhibit No. TECH EX

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. Exhibit No. n/a

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following: Exhibit No. n/a

(1) Protected and interfering contours, in all directions (360°), for the proposed operation.
(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
(5) The official title(s) of the map(s) used in the exhibits(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? ☐ Yes ☒ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)* Exhibit No. n/a

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. TECH EX

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. TECH EX

MAP SOURCE = USGS STATE BASE MAP (SOUTH CAROLINA)

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

(b) the 0.16 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 1689.5 sq. km. Population 166,366

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 60-second database [ ] 7.5 minute topographic map

(Source: NGDC DATABASE (TPG-0050))

[ ] 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 8 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
294° *	93.6	13.4	23.5
0	61.5	11.0	19.1
45	82.1	12.6	21.9
90	90.0	13.2	23.0
135	97.4	13.7	24.0
180	103.7	14.2	24.8
225	106.3	14.4	25.1
270	103.8	14.2	24.8
315	87.5	13.0	22.7

*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. CATEGORICALLY EXEMPT UNDER SECTION 1.1306 - SEE TECHNICAL EXHIBIT

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)*
LARRY G. FUSS	TECHNICAL CONSULTANT
Signature Larry G. Fuss	Address *(Include ZIP Code)* P.O. BOX 159 FAYETTEVILLE, GA 30214
Date JUNE 13, 1991	Telephone No. *(Include Area Code)* (404) 460-6159