

MIM 96-201

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FLETCHER, HEALD & HILDRETH, P.L.C.

ATTORNEYS AT LAW

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ROSSLYN, VIRGINIA 22209-3801

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"PLEASE STAMP"  
FRANK U. FLETCHER  
ANN HEALD  
ROBERT C. HILDRETH  
PAUL D. G. FEARMAN  
FLETCHER, HEALD & HILDRETH

RECEIVED

FEB 20 1996

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF SECRETARY

RETIREE  
EDWARD F. KENEHAN  
CONSULTANT FOR INTERNATIONAL AND  
INTERGOVERNMENTAL AFFAIRS  
SHELDON J. KRYS  
U. S. AMBASSADOR (ret.)  
OF COUNSEL  
EDWARD A. CAINE\*  
WRITER'S NUMBER  
(703) 812-

0415

February 20, 1996

**BY HAND DELIVERY**

Mr. William F. Caton  
Acting Secretary  
Federal Communications Commission  
1919 M Street, N.W., Room 222  
Washington, D.C. 20554

Re: Station KRGQ(AM), West Valley City, Utah  
Extension of Silence Authority

Dear Mr. Caton:

On behalf of Group Communications, Inc., licensee of Station KRGQ, West Valley City, Utah, this is to request a 6-month extension of the licensee's silence authority, which expires February 24, 1996.

Group Communications has made arrangements for a new transmitter site in West Valley City and, in January, applied for a building permit. It is anticipated that an FCC Form 301 will be filed within 45 days. Under these circumstances, an additional 6-month extension is needed and requested.

Group Communications, Inc. has authorized us to represent that no party to this request is subject to a denial of federal benefits pursuant to Section 5301 of the Federal Anti-Drug Abuse Act.

Should any question arise concerning this matter, please communicate with the undersigned.

Very truly yours,

Harry C. Martin  
Counsel for Group Communications, Inc.

HCM:mah  
cc: Ms. Sharlene Lofty, FCC

**COPY** 1/11/96-201  
FCC/MELLON OCT 10 1996

ANN BAVENDER\*  
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SHELDON J. KRYS

U. S. AMBASSADOR (ret.)

OF COUNSEL

EDWARD A. CAINE\*

WRITER'S NUMBER

(703) 812-

October 9, 1996

0415

**BY FEDERAL EXPRESS**

Federal Communications Commission

Mass Media Services

Post Office Box 358190

Pittsburgh, PA 15251-5190

Re: Station KRGQ(AM), West Valley City, Utah  
**SILENT STATION -- EXPEDITED CONSIDERATION REQUESTED**

Dear Sir/Madam:

Transmitted herewith in triplicate on behalf of Group Communications, Inc. is an application for minor modifications to the authorization of Station KRGQ, West Valley City, Utah. A filing fee check in the amount of \$690 accompanies this application.

Please note that Station KRGQ has been authorized to remain silent. The Commission's last silence authorization, dated August 24, 1995, and Group's timely renewal request, dated February 20, 1996, are attached hereto. The February 20 request has never been acted upon; thus, KRGQ's silence authority remains in good standing. See 47 USC §307(c)(3) pertaining to continuation of licenses pending FCC consideration of extension or renewal requests. Moreover, processing of the application submitted today is essential to accommodate the resumption of operations by Station KRGQ before the February 7, 1997 statutory deadline for such a resumption. Group anticipates responding to the Order to Show Cause and Hearing Designation Order, DA 96-1612 (released September 27, 1996) through a summary decision request once operations resume at the transmitter site proposed in the application.

Please date-stamp the enclosed courtesy copy and return it to us in the self-addressed, postage-prepaid envelope provided.

FLETCHER, HEALD & HILDRETH, P.L.C.

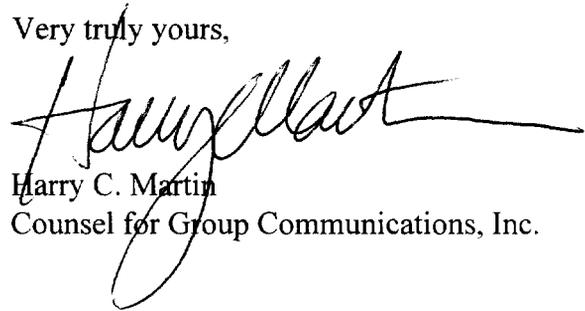
Federal Communications Commission

October 9, 1996

Page 2

Should any question arise concerning these matters, please communicate with the undersigned.

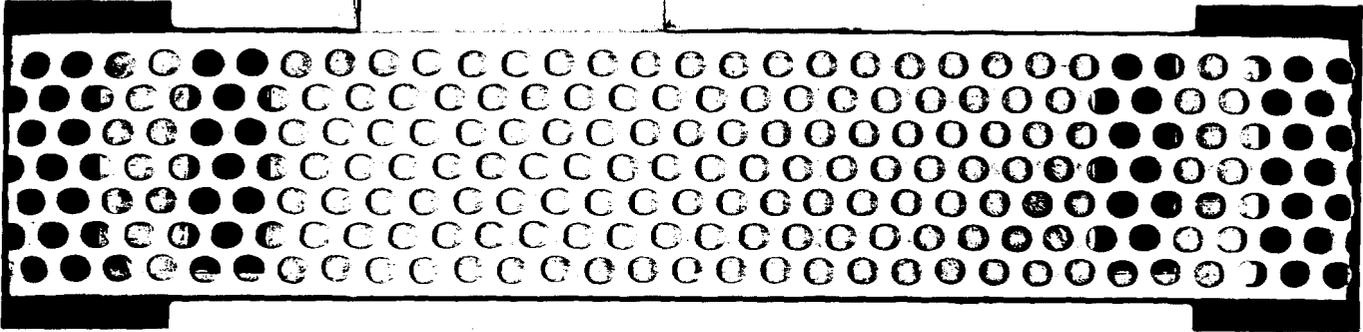
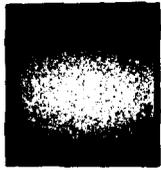
Very truly yours,

A handwritten signature in black ink, appearing to read "Harry C. Martin". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Harry C. Martin  
Counsel for Group Communications, Inc.

HCM:mah  
Enclosure

cc: Mr. Norman Goldstein, FCC (w/encl.)  
Mr. James Crutchfield, FCC (w/encl.)

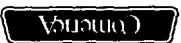


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⑆ 11000753⑆ 6864 ⑆ 783308592⑆

*For* *COMMUNICATIONS*  
*John J. [Signature]*

Comerica Bank - Texas  
Dallas, Texas



*Pay to the Order of* *F.C.C.*  
*Six Hundred Ninety & 00/100*  
*\$ 690-*

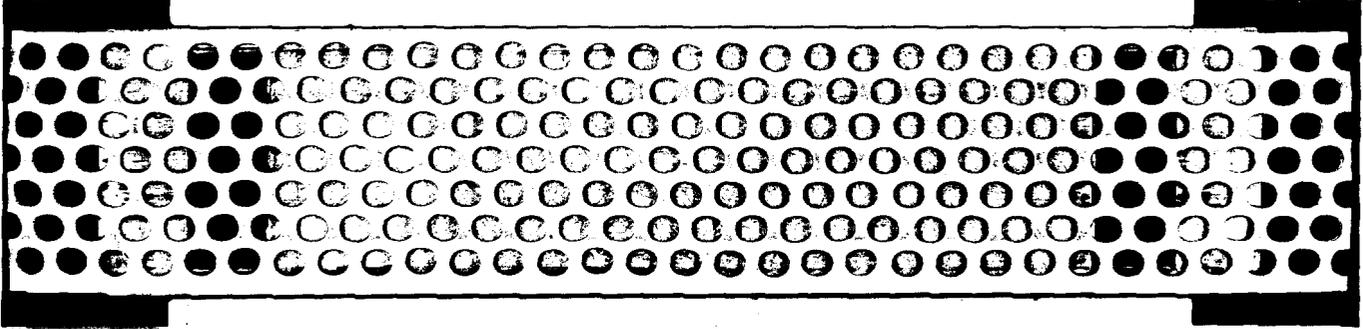
DOLLARS

349-2232  
9045 STONE CREEK PLACE  
DALLAS, TX 75243

SHERWIN OR J. ELLEN BROTMAN

*10/19/96*

6864  
32-75/1110  
783



FOR  
FCC  
USE  
ONLY

COPY

**FCC 301**

**APPLICATION FOR CONSTRUCTION PERMIT  
FOR COMMERCIAL BROADCAST STATION**

FOR COMMISSION USE ONLY  
FILE NO. *96 1010 AB*

**Section I - GENERAL INFORMATION**

1. APPLICANT NAME (Last, First, Middle Initial) Group Communications, Inc.			
MAILING ADDRESS (Line 1) (Maximum 35 characters) P.O. Box 539			
MAILING ADDRESS (Line 2) (Maximum 35 characters)			
CITY Magna	STATE OR COUNTRY (if foreign address) Utah		ZIP CODE 84044
TELEPHONE NUMBER (include area code) (801) 250-7579	CALL LETTERS KRGQ	OTHER FCC IDENTIFIER (IF APPLICABLE)	
2. A. Is a fee submitted with this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1113) and go to Question 3. <input type="checkbox"/> Governmental Entity <input type="checkbox"/> Noncommercial educational licensee <input type="checkbox"/> Other (Please explain):			
C. If Yes, provide the following information:			
Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).			
(A)	(B)	(C)	
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
M P R	1	\$ 690.00	
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)	
[ ] [ ] [ ]	[ ] [ ] [ ] [ ]	\$ [ ] [ ] [ ] [ ]	FOR FCC USE ONLY
ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (2), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.		TOTAL AMOUNT REMITTED WITH THIS APPLICATION	FOR FCC USE ONLY
		\$ 690.00	

**Section I - GENERAL INFORMATION (Page 2)**

3. This application is for: (check one box)

AM

FM

TV

(b) Channel No. or Frequency 1550 kHz
--

(b) Principal Community	City	State
	West Valley City	UT

(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: \_\_\_\_\_ KRGQ

MAJOR modification of construction permit; call sign: \_\_\_\_\_

File No. of construction permit; call sign: \_\_\_\_\_

MINOR modification of construction permit; call sign: \_\_\_\_\_

File No. of construction permit; call sign: \_\_\_\_\_

AMENDMENT to pending application: Application File Number: \_\_\_\_\_

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.

4. Is this application mutually exclusive with a renewal application?

Yes  No

If Yes, state:

Call letters	Community of License	
	City	State

**SECTION V-A - AM BROADCAST ENGINEERING DATA**

**FOR COMMISSION USE ONLY**

File No. \_\_\_\_\_  
 SSB Referral Date \_\_\_\_\_  
 Referred By \_\_\_\_\_

Name of Applicant Group Communications, Inc.

**1. Purpose of Application: (check all appropriate boxes)**

- Construct new station
  - Make changes in authorized/existing station
    - Principal authorized/licensed community
    - Frequency
    - Power
    - Main studio location
    - Antenna system (including increase in height by addition of FM or TV antenna)
      - New antenna construction
      - Alteration of existing structure
        - Increase height
        - Non-DA to DA
        - Decrease height
        - DA to Non-DA
- Call Sign KZOO
- Hours of operation
- Transmitter location
- Filed in compliance with an Allotment Plan to migrate to the expanded band
- Allotment Number \_\_\_\_\_
- Other (Summarize briefly the nature of the changes proposed)

**2. Principal community to be served:**

State <u>Utah</u>	County <u>Salt Lake</u>	City or Town <u>West Valley City</u>
----------------------	----------------------------	---

**3. Facilities requested:**

Frequency: 1550 kHz      Hours of Operation: LINE  
 Power: Night: 0.5 kW    Day: 10.0 kW      Critical Hours: 10.0  
 Class of Station (A, B, C or D)    B       Stereo       Monaural

**4. Transmitter location:**

State <u>UTAH</u>	County <u>Salt Lake</u>	City or Town <u>West Valley City</u>
----------------------	----------------------------	---

Exact antenna location (street address). If outside city limits, give name of nearest town and distance (in kilometers), and direction of antenna from town.      6211 West, 2100 South, West Valley City, Salt Lake.

Geographical coordinates (to nearest second). For directional antenna give coordinates of center of array. For single vertical radiator give tower location. Specify South Latitude and East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed. (The Commission requires coordinates based on NAD 27.)

Latitude	<u>40 ° 43 ' 16.1 "</u>	Longitude	<u>112 ° 02 ' 28.5 "</u>
----------	-------------------------	-----------	--------------------------

**Section V-A - AM BROADCAST ENGINEERING DATA (Page 2)**

5. Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission, or specified in another application pending before the Commission?  Yes  No

If Yes, indicate call sign or application file number: \_\_\_\_\_

6. Antenna system (including ground or counterpoise system)

Non-Directional  Day  Night  Critical Hours

Estimated efficiency 341.18 mV/m per kW at one kilometer

If antenna is either top loaded or sectionalized, describe fully in an Exhibit. (Include apparent electrical height.)

Exhibit No.  
N/A

- Directional  Day only (DA-D)  Night only (DA-N)  
 Same constants and power day and night (DA-1)  
 Different constants and/or power day and night (DA-2)  
 Different constants and/or power day, critical hours and night (DA-3)

Submit complete engineering data in accordance with 47 C.F.R. Section 73.150 for each Directional antenna pattern proposed.

**Non-Directional/Directional**

If antenna(s) is/are either top loaded or sectionalized, describe fully in an Exhibit. (Include apparent electrical height.)

Exhibit No.  
N/A

- Type of feed circuits (excitation)  Series Feed  Shunt Feed  
 Folded Unipole  Other (explain)

TOWERS (in meters, rounded to nearest tenth of a meter)	1	2	3	4	5	6
Overall height of radiator above base insulator, or above base, if grounded	76.2					
Overall height above ground (without obstruction lighting)	76.9					
Overall height above ground (include obstruction lighting)	77.8					
Overall height above mean sea level (include obstruction lighting)	1378.3					

If additional towers, attach information exactly as it appears above.

7. 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.  
N/A

Date July 10, 1996 Office where filed Seattle, Washington

**Section V-A - AM BROADCAST ENGINEERING DATA (Page 2)**

8. List all landing areas within 8 kilometers of antenna site. Give distances and direction to the nearest boundary of each landing area from the antenna site.

	Landing Area	Distance (km)	Direction
(a)	Pioneer Valley Hospital	5.0	119°
(b)	KUTV Heliport	5.5	86.1°
(c)	Channel 4 Heliport	7.4	80.3°

9. Attach as an Exhibit a description and vertical plan sketch (including supporting buildings, if any) of the proposed structure, giving heights above ground, in meters, for all significant features. Clearly indicate existing portions, noting lighting, and distinguishing between the skeletal or other main supporting structure and the antenna elements. If a directional antenna, give spacing and orientation of towers.

Exhibit No.  
E-1

If not fully described above, attach as an Exhibit further details and dimensions, including any other antennas mounted on tower and associated isolation circuits.

Exhibit No.  
E-1

Attach as an Exhibit a plat of the transmitter site clearly showing boundary lines, roads, railroads, other obstructions, and the ground system or counterpoise. Show number and dimensions of ground radials or, if a counterpoise is used, show heights and dimensions.

Exhibit No.  
E-1

10. Will the main studio be located within the station's principal community contour as defined by 47 C.F.R. Section 73.24(i)?  Yes  No

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

Exhibit No.  
N/A

11. Is there a remote control location or is one to be established in accordance with 47 C.F.R. Section 73.1400?  Yes  No

If Yes, submit the following:

State Utah	County Salt Lake	City or Town West Valley City
Street Address (or other identification) TBD		

12. Attach as an Exhibit a sufficient number of aerial photographs taken in clear weather at appropriate altitudes and angles to permit identification of all structures in the vicinity. The photographs must be marked so as to show compass directions, exact boundary lines of the proposed site, and locations of the proposed 1000 mV/m contour for both day and night operation. Photographs taken in eight different directions from an elevated position on the ground will be acceptable in lieu of the aerial photographs if the data referred to can be clearly shown.

Exhibit No.  
E-1

13. Is the population within the 1 V/m (1000 mV/m) contour less than 300 persons or less than 1.0 percent of the population within the 25 mV/m contour?  Yes  No

If No, attach as an Exhibit a justification pursuant to 47 C.F.R. Section 73.24(g).

Exhibit No.  
N/A

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

(a) Would a Commission grant of this application come within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding identified health and safety guidelines issued by the American National Standards Institute?  Yes  No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311.

Exhibit No.  
N/A

If No, explain briefly why not.

Categorically excluded from Environment Processing Rules 7 Meters  
 (b) Distance from tower(s) to the nearest point of the fence enclosing the tower(s) in meters.

Section V-A - AM BROADCAST ENGINEERING DATA (Page 4)

15. Allocation Studies

A. Daytime (for assistance, see 47 C.F.R. Section 73.37)

(1) For daytime operation, attach as an Exhibit map(s) having appropriate scales, showing the 1000, 5, 2 and 0.5 (0.1, if Class A station) daytime contours in mV/m for both existing and proposed operations. On the map(s) showing the 5 mV/m contours CLEARLY INDICATE THE LEGAL BOUNDARIES OF THE PRINCIPAL COMMUNITY TO BE SERVED.

Exhibit No.  
E-1

(2) Does the daytime 5 mV/m contour encompass the legal boundaries of the principal community to be served?

Yes  No

If No, attach as an Exhibit a justification for waiver of 47 C.F.R. Section 73.24(i).

Exhibit No.  
N/A

(3) For daytime operation, for stations on a frequency between 535 kHz and 1605 kHz, attach as an Exhibit an allocation study utilizing Figure M-3 (Figure R-3, 47 C.F.R. Section 73.190) or an accurate full scale reproduction thereof and using pertinent field strength measurement data where available, a full scale Exhibit of the entire pertinent area to show the following:

Exhibit No.  
E-1

(a) Normally protected and the interfering contours for the proposed operation along all azimuths.

(b) Normally protected and interfering contours of existing stations and other proposed stations in pertinent areas with which prohibited overlap would result as well as those existing stations and other proposals which require study to clearly show absence of prohibited overlap. If prohibited overlap were to occur as a result of the proposal, appropriate justification for waiver of 47 C.F.R. Section 73.37 is to be included.

(c) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers, and operating or proposed facilities.

(d) Properly labeled longitude and latitude degree lines, shown across entire Exhibit.

(4) For daytime operation, attach as an Exhibit a tabulation of the following:

Exhibit No.  
E-1

(a) Azimuths along which the groundwave contours were calculated for all stations or proposals shown on allocation study exhibits required by (3)(a).

(b) Inverse distance field strength used along each azimuth.

(c) Basis for ground conductivity utilized along each azimuth specified in (4)(a). If field strength measurements are used, submit copies of the analyzed measurements. If measurement data are taken from Commission records identify the source of the measurements in the Commission's files.

(d) Calculated distances.

B. Critical Hours (If applicable, see 47 C.F.R. Section 73.187)

(1) For critical hour operation, attach as an Exhibit map(s) having appropriate scales, showing the 1000, 5 and 0.5 critical hours contours in mV/m for both existing and proposed operations. On the map(s) showing the 5 mV/m contours CLEARLY INDICATE THE LEGAL BOUNDARIES OF THE PRINCIPAL COMMUNITY TO BE SERVED.

Exhibit No.  
N/A

(2) Does the critical hours 5 mV/m contour encompass the legal boundaries of the principal community to be served?

Yes  No

If No, attach as an Exhibit justification for waiver of 47 C.F.R. Section 73.24(i).

Exhibit No.  
N/A

(3) For critical hour operation, attach as an Exhibit an allocation study utilizing Figure M-3 (Figure R-3, 47 C.F.R. Section 73.190) or an accurate full scale reproduction thereof and using pertinent field strength measurement data where available, a full scale Exhibit of the entire pertinent area to show the following: The 0.1 mV/m groundwave contour pertinent arcs of Class A stations and appropriate studies to establish compliance with 47 C.F.R. Section 73.187 where operation is proposed on a U.S. Class A channel.

Exhibit No.  
N/A

**Section V-A - AM BROADCAST ENGINEERING DATA (Page 5)**

**C. Nighttime (for assistance, see 47 C.F.R. Section 73.182)**

(1) For nighttime operation, attach as an Exhibit map(s) having appropriate scales, showing the 1000 mV/m and coverage contours (appropriate minimum protected value for proposed class of station, or RSS nighttime interference-free contour, whichever is the greater value) for both existing and proposed operations. On the map(s) showing the interference-free contours CLEARLY INDICATE THE LEGAL BOUNDARIES OF THE PRINCIPAL COMMUNITY TO BE SERVED.

Exhibit No.  
E-1

(2) Does the nighttime 5 mV/m or nighttime interference-free contour (whichever is higher) encompass 80% of the principal community to be served (50% for expanded band 1605-1705 kHz stations)?

Yes  No

If No, attach as an Exhibit a justification for waiver of, or exemption pursuant to 47 C.F.R. Section 73.24(i).

Exhibit No.  
N/A

(3) For nighttime operation, for stations on a frequency between 535 kHz and 1605 kHz, attach as an Exhibit allocation data including the following:

Exhibit No.  
E-1

- (a) Proposed nighttime limitation to other existing or proposed stations with which objectionable interference could result, as well as those other proposals and existing stations which require study to show clearly absence of objectionable interference.
- (b) All existing or proposed nighttime limitations which enter into the nighttime RSS limitation of each of the existing or proposed facilities investigated under (3)(a) above.
- (c) All existing or proposed limitations which contribute to the RSS nighttime limitation of the proposed operation, together with those limitations which must be studied before being excluded.
- (d) A detailed interference study plotted upon an appropriate scale map if a question exists with respect to nighttime interference to other existing or proposed facilities along bearing other than on a direct line toward the facility considered. (Clipping study)
- (e) The detailed basis for each nighttime limitation calculated under (3)(a), (b), (c) and (d) above.

16. Attach as an Exhibit a map (7.5 minute U.S. Geological Survey topographic quadrangles, if available) of the proposed antenna location showing the following information:

Exhibit No.  
E-1

- A. Proposed transmitter location accurately plotted with the latitude and longitude lines clearly marked and showing a scale in kilometers.
- B. Heights of buildings or other structures and terrain elevations in the vicinity of the antenna, indicating the location thereof.
- C. Transmitter location and call signs of non-broadcast radio stations (except amateur and citizens band), established commercial and government receiving stations within three (3) kilometers which may be adversely affected by the proposed operation.
- D. Transmitter location and call letters of all AM, FM and TV broadcast stations within three (3) kilometers of the proposed antenna location.

**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 and found it to be accurate and true to the best of my knowledge and belief.

<b>Name (Typed or Printed)</b> J. S. SELLMAYER, P. E.	<b>Relationship to Applicant (e.g., Consulting Engineer)</b> Consulting Engineer
<b>Signature</b> 	<b>Address (include ZIP Code)</b> P.O. Box 356, McKinney, Tx. 75070
<b>Date</b> October 3, 1996	<b>Telephone No. (include Area Code)</b> 972-542-2056



SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

Does the applicant propose to employ five or more full-time employees?

Yes  No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC Form 396-A).

SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?

Yes  No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

Yes  No

If No, attach as an Exhibit, a full explanation.

Exhibit No.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of person contacted: DICK GODFREY OR SCOTT GODFREY

Telephone No. (include area code): 801 972 0660

Person contacted: (check one box below:

Owner  Owner's Agent  Other (specify)

4. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

Yes  No

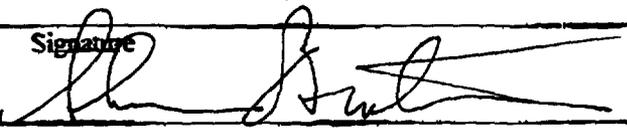
The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached Exhibits are considered material representations, and that all Exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

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

Name	SHERWIN BROTMAN	Signature	
Title	PRESIDENT	Date	OCTOBER 7, 1996
Typed or Printed Name of Person Signing			

WILLFUL FALSE STATEMENTS 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).

August 24, 1995 Silence Authorization  
(to Expire February 24, 1996)

**SELLMEYER ENGINEERING**  
BROADCAST AND COMMUNICATIONS CONSULTING ENGINEERS  
P.O. Box 356 McKinney, Texas 75070  
MEMBER AFCCE  
(214) 542-2056

EXHIBIT E-1

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ENGINEERING STATEMENT IN SUPPORT OF APPLICATION

FOR CONSTRUCTION PERMIT  
GROUP COMMUNICATIONS, INC.  
RADIO STATION KZQQ  
WEST VALLEY CITY, UTAH

MINOR CHANGE

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**REQUEST TO EXPEDITE APPLICATION OF SILENT STATION**

OCTOBER, 1996

**SELLMEYER ENGINEERING**  
BROADCAST AND COMMUNICATIONS CONSULTING ENGINEERS  
P.O. Box 356 McKinney, Texas 75070  
MEMBER AFCCE  
(214) 542-2056

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FOR CONSTRUCTION PERMIT  
GROUP COMMUNICATIONS, INC.  
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WEST VALLEY CITY, UTAH  
MINOR CHANGE  
OCTOBER, 1996

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Copyright Notice and Use Agreement

FCC Form 301

Engineering Statement

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Copy of FAA Form 7460-1

Certification of Engineer

## **SELLMEYER ENGINEERING**

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#### APPLICABLE LAW

This agreement is made under terms of law in effect at McKinney, Collin County, Texas.

#### ACCEPTANCE OF TERMS

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ENGINEERING STATEMENT IN SUPPORT OF APPLICATION  
FOR CONSTRUCTION PERMIT  
GROUP COMMUNICATIONS, INC.  
RADIO STATION KZQQ  
WEST VALLEY CITY, UTAH  
MINOR CHANGE  
OCTOBER, 1996

=====

INTRODUCTION

This Firm has been retained by Group Communications, Inc. to prepare this Engineering Statement and associated FCC Form 301 in support of its application to relocate the transmitter plant of Radio Station KZQQ, West Valley City, Utah. The current listing for this station shows the city of license as Granger, Utah. We have been advised by the licensee that the name of Granger, Utah was changed to West Valley City prior to 1985. Where references are made to the city of Granger, Utah in this document, it should be assumed the reference refers to West Valley City, Utah.

BACKGROUND

The station has been dark pursuant to Special Temporary Authority since losing its transmitter site of February, 1995. Efforts have been underway since that date to locate a suitable transmitter site. Arrangements have been made to obtain a plat of land atop a former landfill for construction of the new facilities. All equipment including tower, transmitter, coupling and studio equipment are on hand to permit a prompt return to the air upon approval from the Commission.

The proposed site is located 2.51 kilometers from the presently licensed site on a bearing of 260.9° true. An application has been filed with the FAA for a determination of no hazard for the proposed 250 foot tower. While the FAA Form 7460-1 shows the coordinates as fractional numbers as follows:

N.L.: 40° 43' 16.1"; W.L.: 112° 02' 28.5"

for the purposes of this application the coordinates for all of work have been rounded to two digits of seconds.

This Engineering Statement will demonstrate compliance with all applicable Rules and Policies of the Federal Communications Commission.

There are no other AM, FM or TV stations within three kilometers of the proposed site. There are no known non-broadcast radio stations or commercial or government receiving stations location within three kilometers of the proposed site. Should any interference result from the proposed operation, the licensee will undertake such measures necessary as prescribed in the Rules and Policies of the Commission to correct such problems.

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PROPOSED ANTENNA SYSTEM

The proposed antenna system will be identical to the presently authorized system. The electrical height of the tower is 142°. The ground system will consist of 120 copper wire radials, each 250 feet in length, uniformly distributed about the base of the tower, buried between six and twelve inches below grade level. The tower will be painted and lighted in accordance with FCC regulations.

DAYTIME ALLOCATION AND CONTOURS

The daytime allocation involves only one station, that being Station KQXI, Arvada, Colorado, located more than six hundred kilometers from the proposed site. There are no other co-channel, first, second or third adjacent channel stations which are sufficiently close to require detailed studies.

The 1000 mV/m daytime contour extends 1.01 kilometers from the site; the nighttime 1000 mV/m contour extends 0.2 kilometers from the site. Both contours are shown on the site map of Exhibit E1-10. Fewer than three hundred people reside within the 1000 mV/m contour. The present distances to the 1000, 5, 2, 0.25 and 0.025 mV/m groundwave contours are tabulated on Exhibit E-2A of this statement. The proposed distances to the 1000, 5, 2, 0.25 and 0.025 mV/m groundwave contours are tabulated on Exhibit E-2B of this statement.

The distances to the groundwave contours were determined in accordance with the methods outlined in Section 73.183 of the Rules. Estimated conductivities determined from FCC Map M-3 were utilized for all contours. The estimated conductivities were determined from a computer program maintained by this Firm which accurately emulates map M-3 of the Rules. The relevant conductivities are tabulated in Exhibit E1-3 of this Statement. Where more than one value of conductivity was encountered along a radial, the "equivalent distance" method of computation outlined in Section 73.183 of the Rules was utilized to determine the distance to a particular contour. The tabulations of distances to the relevant Daytime and Nighttime contours for the proposed facility appear herein as Exhibits E1-2A and E1-2B respectively. The daytime coverage contours appear herein on the map of Exhibit E1-12 which is a composite of the NOAA military navigation charts ONC-F-16 and ONC-G-18. The scale is 1:1,000,000.

NIGHTTIME ALLOCATION MATTERS

The present and proposed vertical radiation characteristics are identical. A listing is provided in the tabulation of Exhibit E1-7. The present and proposed 500 watt non-directional operation does not enter either the 25% or the 50% exclusion nighttime RSS of any domestic or foreign station.

The nearest stations requiring protection during nighttime hours by Station KZQQ are Stations KQXI, Arvada, Colorado, located 607 kilometers from the KZQQ transmitter site and Station KPIX, San KZQQ/961003

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Francisco, California located 953 kilometers from the KZQQ transmitter site. The pertinent vertical angle toward Station KQXI is 11.92 degrees for the licensed site and 11.93 degrees for its latest application site. The pertinent vertical angle for Station KPIX is 6.47 degrees. A study of interference caused to Stations KQXI and KPIX from the proposed antenna system appears herein as Exhibit E1-6. All protection requirements to other stations occur at lower vertical angles. The instant proposal will not increase the radiation toward any other station requiring protection. For this reason no other detailed studies are included. For reference purposes, a listing of the existing nighttime RSS limitations to other pertinent stations appears herein as Exhibit E1-5. The nighttime interference free contour based on the 25 percent exclusion method is 12.79 mV/m. This contour and the 10.04 mV/m contour calculated by the 50 percent exclusion method appear herein on the map of Exhibit E1-13 which is a composite of the NOAA military navigation charts ONC-F-16 and ONC-G-18. The scale is 1:1,000,000. The nighttime RMS of 201.42 mV/m will be achieved by reduction of transmitter power output.

**ENVIRONMENTAL CONSIDERATIONS**

The site is located on a former landfill and zoning approval has been obtained to locate the tower at the proposed site. No significant disturbance of the land will be required to install the ground system and a small building to house the transmitter and associated equipment.

The tower will be enclosed within a fence of sufficient dimensions to assure compliance with the current ANSI standards for radiofrequency radiation. The minimum radius from any tower will be seven meters.

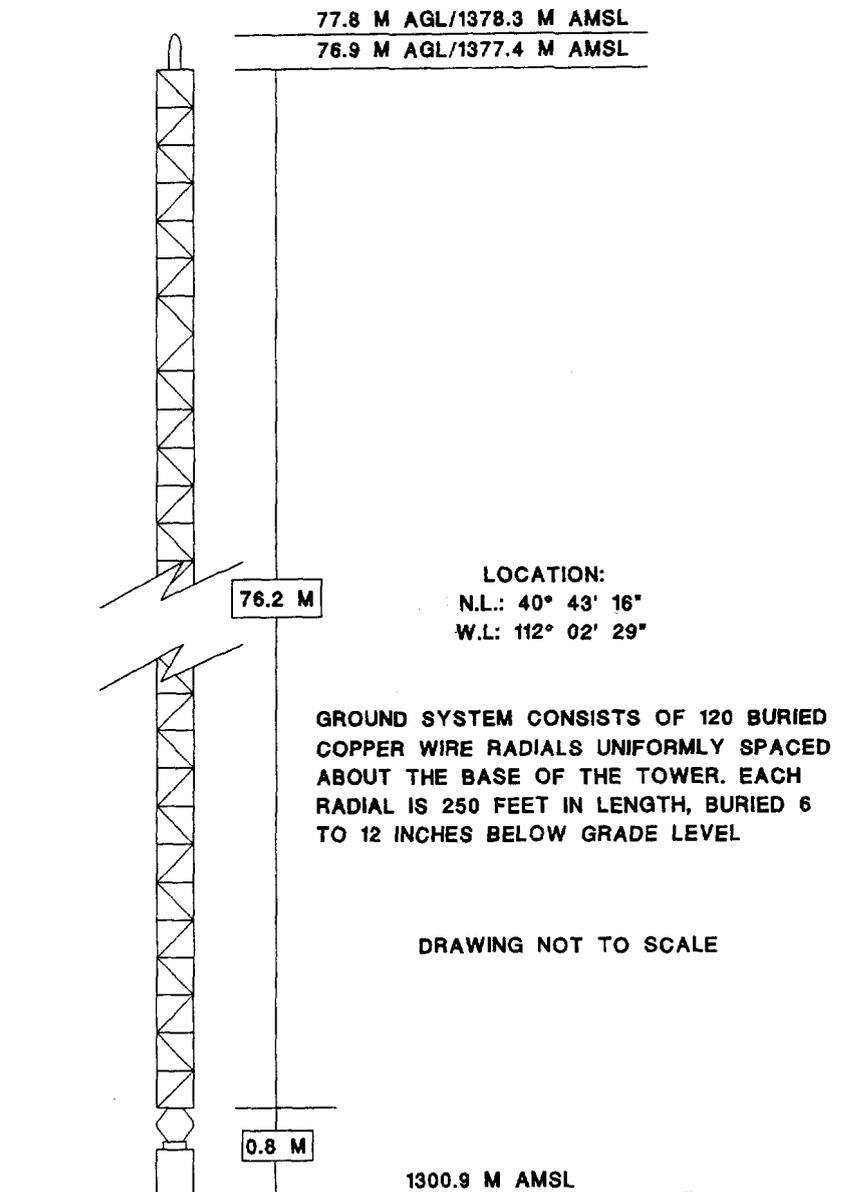
**OPERATION DURING MAINTENANCE OF TOWER**

The station will reduce power to the extent necessary or operate from its Auxiliary Site as required to comply with the radiofrequency radiation exposure limits of OST Bulletin 65.

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EXHIBIT E1-1  
VERTICAL PLAN SKETCH OF  
PROPOSED ANTENNA SYSTEM  
RADIO STATION KZQQ  
1550 KHZ, 0.5 KW, 10.0 KW-LS ND-U  
GRANGER, UTAH  
OCTOBER, 1996



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## EXHIBIT E1-2A TABULATION OF DISTANCES TO CONTOURS EXISTING OPERATION

GRANGER, UT

Call: KZQQ

Coordinates: N 40 43 29 W 112 0 43

Frequency: 1550 kHz Number of contours: 6

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :					
		Contour levels in mV/m.					
		1000.000	5.000	2.000	.500	.250	.025
.0	1078.91	1.01	42.31	62.14	99.67	125.65	256.29
5.0	1078.91	1.01	42.31	58.21	88.88	114.87	245.51
10.0	1078.91	1.01	42.31	52.61	80.91	106.89	237.53
15.0	1078.91	1.01	38.69	48.85	75.22	101.20	231.84
20.0	1078.91	1.01	36.03	46.18	72.38	96.75	227.39
25.0	1078.91	1.01	34.07	44.23	70.42	92.94	223.58
30.0	1078.91	1.01	32.59	42.75	68.94	89.15	219.47
35.0	1078.91	1.01	31.46	41.61	67.81	88.01	215.26
40.0	1078.91	1.01	30.57	40.73	66.93	87.13	216.87
45.0	1078.91	1.01	29.88	40.04	66.23	87.22	223.42
50.0	1078.91	1.01	29.34	39.50	65.69	88.20	228.03
55.0	1078.91	1.01	28.93	39.09	65.28	89.01	231.40
60.0	1078.91	1.01	28.62	38.78	64.97	84.65	227.62
65.0	1078.91	1.01	28.40	38.55	64.75	81.49	218.78
70.0	1078.91	1.01	28.26	38.42	64.61	81.14	209.00
75.0	1078.91	1.01	28.20	38.35	64.55	81.02	196.96
80.0	1078.91	1.01	28.20	38.36	64.56	81.23	176.56
85.0	1078.91	1.01	28.28	38.44	64.64	81.62	175.22
90.0	1078.91	1.01	28.47	38.63	64.82	82.21	175.81
95.0	1078.91	1.01	28.78	38.94	65.14	83.06	176.66
100.0	1078.91	1.01	29.19	39.35	65.55	84.19	193.05
105.0	1078.91	1.01	29.74	39.89	66.09	85.87	205.93
110.0	1078.91	1.01	30.43	40.59	66.78	86.99	218.25
115.0	1078.91	1.01	31.31	41.47	67.67	87.87	231.84
120.0	1078.91	1.01	32.45	42.61	68.80	89.01	215.55
125.0	1078.91	1.01	33.94	44.09	70.29	93.52	212.95
130.0	1078.91	1.01	35.91	46.06	72.26	97.93	211.87
135.0	1078.91	1.01	38.60	48.76	74.95	95.16	208.77
140.0	1078.91	1.01	42.31	52.57	78.77	98.98	226.36
145.0	1078.91	1.01	42.31	58.29	84.48	104.69	236.07
150.0	1078.91	1.01	42.31	62.14	98.20	118.40	254.24
155.0	1078.91	1.01	42.31	62.14	107.57	134.48	275.09
160.0	1078.91	1.01	42.31	62.14	107.57	137.55	276.33
165.0	1078.91	1.01	42.31	62.14	107.57	137.47	273.29
170.0	1078.91	1.01	42.31	62.14	107.57	138.05	268.69
175.0	1078.91	1.01	42.31	62.14	107.57	139.45	270.09
180.0	1078.91	1.01	42.31	62.14	107.57	139.87	272.47
185.0	1078.91	1.01	42.31	62.14	107.57	139.87	276.42
190.0	1078.91	1.01	42.31	62.14	107.57	139.87	282.03
195.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
200.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
205.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
210.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
215.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
220.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
225.0	1078.91	1.01	42.31	62.14	107.57	139.87	288.15
230.0	1078.91	1.01	42.31	62.14	107.57	139.87	283.17
235.0	1078.91	1.01	42.31	62.14	107.57	139.87	276.56
240.0	1078.91	1.01	42.31	62.14	107.57	139.87	251.55
245.0	1078.91	1.01	42.31	62.14	107.57	134.85	248.30
250.0	1078.91	1.01	42.31	62.14	106.70	132.69	247.86
255.0	1078.91	1.01	42.31	62.14	105.44	131.42	247.85

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EXHIBIT E1-2A, PAGE-2  
TABULATION OF DISTANCES TO CONTOURS  
EXISTING OPERATION

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :					
		Contour levels in mV/m.					
		1000.000	5.000	2.000	.500	.250	.025
260.0	1078.91	1.01	42.31	62.14	104.60	130.59	248.40
265.0	1078.91	1.01	42.31	62.14	104.13	130.11	249.16
270.0	1078.91	1.01	42.31	62.14	103.80	129.78	250.31
275.0	1078.91	1.01	42.31	62.14	103.63	129.61	251.66
280.0	1078.91	1.01	42.31	62.14	103.68	129.66	253.50
285.0	1078.91	1.01	42.31	62.14	104.05	130.04	255.94
290.0	1078.91	1.01	42.31	62.14	104.58	130.57	258.80
295.0	1078.91	1.01	42.31	62.14	105.28	131.26	261.90
300.0	1078.91	1.01	42.31	62.14	106.36	132.34	262.98
305.0	1078.91	1.01	42.31	62.14	107.57	133.71	264.35
310.0	1078.91	1.01	42.31	62.14	107.57	135.41	266.05
315.0	1078.91	1.01	42.31	62.14	107.57	137.51	268.15
320.0	1078.91	1.01	42.31	62.14	107.57	139.45	270.09
325.0	1078.91	1.01	42.31	62.14	107.57	139.05	269.69
330.0	1078.91	1.01	42.31	62.14	107.57	136.27	266.91
335.0	1078.91	1.01	42.31	62.14	107.57	134.06	264.70
340.0	1078.91	1.01	42.31	62.14	106.19	132.18	262.82
345.0	1078.91	1.01	42.31	62.14	104.68	130.66	261.30
350.0	1078.91	1.01	42.31	62.14	103.73	129.71	260.35
355.0	1078.91	1.01	42.31	62.14	102.97	128.96	259.60

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EXHIBIT 2B  
 TABULATION OF DISTANCES TO CONTOURS  
 PROPOSED OPERATION

GRANGER, UT

Call: KZQQ

Coordinates: N 40 43 16 W 112 2 29

Frequency: 1550 kHz Number of contours: 6

Radiation Distances to Contours in Kilometers :

Azimuth	Radiation (mV/m at one km)	Contour Levels in mV/m.					
		1000.000	5.000	2.000	.500	.250	.025
.0	1078.91	1.01	42.31	62.14	101.63	127.61	258.25
5.0	1078.91	1.01	42.31	61.98	93.87	119.86	250.49
10.0	1078.91	1.01	42.31	55.83	85.18	111.16	241.80
15.0	1078.91	1.01	41.50	51.66	78.88	104.87	235.51
20.0	1078.91	1.01	38.52	48.68	74.88	99.98	230.62
25.0	1078.91	1.01	36.32	46.48	72.67	95.89	226.52
30.0	1078.91	1.01	34.65	44.80	71.00	91.64	222.28
35.0	1078.91	1.01	33.35	43.51	69.71	89.91	217.82
40.0	1078.91	1.01	32.35	42.50	68.70	88.90	217.93
45.0	1078.91	1.01	31.56	41.71	67.91	88.43	224.02
50.0	1078.91	1.01	30.94	41.10	67.29	89.39	228.74
55.0	1078.91	1.01	30.47	40.62	66.82	90.13	232.17
60.0	1078.91	1.01	30.11	40.26	66.46	86.70	229.53
65.0	1078.91	1.01	29.85	40.01	66.21	83.18	220.65
70.0	1078.91	1.01	29.70	39.85	66.05	82.81	210.67
75.0	1078.91	1.01	29.62	39.78	65.97	82.67	198.48
80.0	1078.91	1.01	29.63	39.79	65.99	82.89	177.94
85.0	1078.91	1.01	29.73	39.88	66.08	83.29	176.89
90.0	1078.91	1.01	29.95	40.11	66.30	83.93	177.54
95.0	1078.91	1.01	30.31	40.47	66.67	84.85	178.46
100.0	1078.91	1.01	30.79	40.95	67.14	86.07	195.63
105.0	1078.91	1.01	31.41	41.57	67.77	87.89	208.66
110.0	1078.91	1.01	32.21	42.36	68.56	88.76	221.40
115.0	1078.91	1.01	33.22	43.38	69.57	89.78	234.38
120.0	1078.91	1.01	34.52	44.68	70.87	91.18	217.23
125.0	1078.91	1.01	36.21	46.36	72.56	96.52	214.61
130.0	1078.91	1.01	38.43	48.59	74.79	100.57	213.47
135.0	1078.91	1.01	41.46	51.61	77.81	98.02	216.49
140.0	1078.91	1.01	42.31	55.86	82.06	102.26	230.99
145.0	1078.91	1.01	42.31	62.14	89.30	109.50	242.12
150.0	1078.91	1.01	42.31	62.14	102.28	122.49	259.64
155.0	1078.91	1.01	42.31	62.14	107.57	137.97	278.70
160.0	1078.91	1.01	42.31	62.14	107.57	137.57	275.91
165.0	1078.91	1.01	42.31	62.14	107.57	137.63	272.73
170.0	1078.91	1.01	42.31	62.14	107.57	138.34	268.98
175.0	1078.91	1.01	42.31	62.14	107.57	139.75	270.39
180.0	1078.91	1.01	42.31	62.14	107.57	139.87	273.07
185.0	1078.91	1.01	42.31	62.14	107.57	139.87	277.08
190.0	1078.91	1.01	42.31	62.14	107.57	139.87	283.92
195.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
200.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
205.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
210.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
215.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
220.0	1078.91	1.01	42.31	62.14	107.57	139.87	289.92
225.0	1078.91	1.01	42.31	62.14	107.57	139.87	287.51
230.0	1078.91	1.01	42.31	62.14	107.57	139.87	282.31
235.0	1078.91	1.01	42.31	62.14	107.57	139.87	275.42
240.0	1078.91	1.01	42.31	62.14	107.57	139.23	250.29
245.0	1078.91	1.01	42.31	62.14	107.57	134.13	247.31
250.0	1078.91	1.01	42.31	62.14	106.10	132.09	246.94
255.0	1078.91	1.01	42.31	62.14	104.88	130.86	246.96

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EXHIBIT 2B, PAGE-2  
 TABULATION OF DISTANCES TO CONTOURS  
 PROPOSED OPERATION

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :					
		Contour levels in mV/m.					
		1000.000	5.000	2.000	.500	.250	.025
260.0	1078.91	1.01	42.31	62.14	104.06	130.04	247.51
265.0	1078.91	1.01	42.31	62.14	103.57	129.55	248.26
270.0	1078.91	1.01	42.31	62.14	103.24	129.23	249.43
275.0	1078.91	1.01	42.31	62.14	103.08	129.06	250.77
280.0	1078.91	1.01	42.31	62.14	103.11	129.09	252.61
285.0	1078.91	1.01	42.31	62.14	103.48	129.46	255.06
290.0	1078.91	1.01	42.31	62.14	104.01	130.00	257.90
295.0	1078.91	1.01	42.31	62.14	104.71	130.70	261.34
300.0	1078.91	1.01	42.31	62.14	105.73	131.71	262.35
305.0	1078.91	1.01	42.31	62.14	107.07	133.05	263.69
310.0	1078.91	1.01	42.31	62.14	107.57	134.72	265.36
315.0	1078.91	1.01	42.31	62.14	107.57	136.80	267.44
320.0	1078.91	1.01	42.31	62.14	107.57	139.08	269.72
325.0	1078.91	1.01	42.31	62.14	107.57	139.05	269.68
330.0	1078.91	1.01	42.31	62.14	107.57	136.63	267.27
335.0	1078.91	1.01	42.31	62.14	107.57	134.40	265.04
340.0	1078.91	1.01	42.31	62.14	106.56	132.55	263.19
345.0	1078.91	1.01	42.31	62.14	105.02	131.01	261.64
350.0	1078.91	1.01	42.31	62.14	103.99	129.97	260.61
355.0	1078.91	1.01	42.31	62.14	103.23	129.22	259.86