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MAR 31 1988

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

MAIL BRANCH

In re Application of:)
)
SOUTHWEST EDUCATIONAL)
MEDIA FOUNDATION OF TEXAS, INC.)
)
)
For Construction Permit for)
A New Non Commercial)
FM Broadcast Station)
STANTON, TEXAS)

File No. BPED-870918NF

REC'D MASS MED BUR

APR 8 - 1988

To: Chief, Mass Media Bureau

PUBLIC REF ROOM

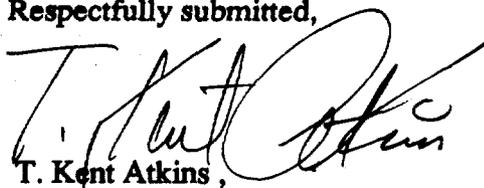
PETITION AS OF RIGHT TO AMEND

Comes now , SOUTHWEST EDUCATIONAL MEDIA FOUNDATION OF TEXAS, INC., and hereby request the Chief of the FM branch to accept the following Amendment:

1. The application is hereby amended to include an amended page 10, 11, 12, 13, 17, and 18; and Applicants Exhibits E-1, E- 2, E-3, E-4 and E-5
2. The purpose of this amendment is to amend certain engineering data relating to a new tower site, and supply additional information which was previously made a part of the original application refered to by number above. The Applicant's changes do not constitute a major change and is only made to benefit the public interest and insure the continuing accuracy and completeness of the information previously furnished the Commission.
3. Due diligence was used in research and preparation of this amendment which is directed toward the adduction of information which is relevant to the instant application.
4. Please note that no other application was made during window W-21, therefore no comparative advantage to Petitioner nor prejudice to any party to this proceeding would result, good cause is shown for its acceptance.

WHEREFORE, premises considered, and good cause having been shown, it is requested that the this Amendment be accepted and made a part of the application of Southwest Educational Media Foundation of Texas, Inc. for the above referenced file number and location.

Respectfully submitted,


T. Kent Atkins ,

SOUTHWEST EDUCATIONAL
MEDIA FOUNDATION OF
TEXAS, INC.

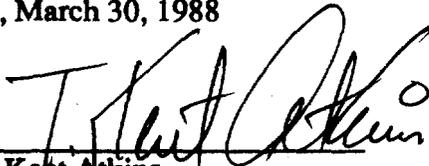
Date: March 30, 1988

CERTIFICATION

I hereby certify that all of the statements made in the attached amendment are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Dated, March 30, 1988

Signed


T. Kent Atkins,
Southwest Educational
Media Foundation
of Texas, Inc.

**APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION**
(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

For Commission Use Only
File No.

Section I

General Information

1. Name of Applicant

Street Address

Southwest Educational Media Foundation
of Texas, Inc.

2100 Hwy 360 Suite 1204

City

State

ZIP Code

Telephone No.

(Include Area Code)

Grand Prairie

TX

75050-

214-647-1010

Send notices and communications to the following named person at the address below:

Name

Street Address

James L. Oyster

8315 Tobin Road

City

State

ZIP Code

Telephone No.

(Include Area Code)

Annadale

VA

22003-

703-573-6765

2. This application is for: AM FM TV

(a) Channel No. or Frequency: 290A/105.9 MHz.

(b) Community of license:

City

State

Stanton

TX

Check one of the following boxes:

- Application for new station
- Major Change in Existing station; call sign: _____
- Minor Change in Existing station; call sign: _____
- Modification of Construction Permit; File No. of CP: _____
- Amendment to Pending Application; Reference Number (ARN): BPED-870918IF

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?

YES NO

If Yes, State:

Call letters:

Community of license:

City

State

_____-____

Name of Applicant Southwest Educational Media Foundation of Texas, Inc.

1. Purpose of authorization applied for:

Construct a new station

Install Auxiliary system

Change: Effective radiated power

Frequency

Antenna height above average terrain

Transmitter location
Change transmitter location
of proposed application for
construction permit
BPED-870918NF

Studio location outside community of license

Other (Summarize briefly the nature of the changes proposed.)

Community of license:

State

Texas

City or Town

Stanton

3. Facilities requested:

Frequency

Channel No.

Class (Check one below)

105.9 MHz 290A

A B B1 D
 C C1 C2

4. Geographic coordinates of antenna (to nearest second)

North Latitude 32° 03' 11"

West Longitude 101° 53' 08"

5. Effective radiated power:

Polarization

Horizontal Plane

Maximum (Beam tilt only)

Horizontal 3.0 kW

_____ kW

Vertical 3.0 kW

_____ kW

6. Height in meters of antenna radiation center:

	Above Average terrain (HAAT)		Above Mean Sea Level		Above Ground	
Horizontal	100	meters	924.2	meters	104.3	meters
Vertical	100	meters	924.2	meters	104.3	meters

7. Is a directional antenna being proposed?

YES NO

If Yes, attach as Exhibit No. N/A an engineering statement with all data specified in Section 73.316(d) of the Commission's Rules.

8. Transmitter location: State Texas County Midland
 City or Town _____ Street Address (or other identification) _____
Greenwood Community 3.7 miles N.E. of intersection of
FM 307 and FM 1208
134.1 meters

9. Overall height of complete structure above ground, including all appurtenances and lighting (if any, see Part 17).

10. Attach as Exhibit No. E-1 map(s) (Sectional Aeronautical charts or equivalent) of the area proposed to be served and shown thereon:

- (a) Proposed transmitter location and the radials along which the profile graphs have been prepared;
- (b) The 1mV/m predicted contour;
- (c) Area (sq. mi.) and population (latest census) within 1 mV/m contour;
- (d) Scale of miles or kilometers (kilometers if available).

Attach as Exhibit No. E-2 a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Enter the following from Exhibit above: Gain Area 590 sq. mi. Note: This is a new facility
 Loss Area --- sq. mi.

Percent change (gain area plus loss area as percentage of present area) 100 %.
 If 50% or more this constitutes a major change. Indicate in question 2(e), Section I, accordingly.

12. If the main studio will not be within the boundaries of the principal community to be served, attach as Exhibit No. _____ a justification pursuant to Section 73.1125(f) of the Commission's Rules.

13. Attach as Exhibit No. E-3 map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of the proposed antenna location showing the following information:

- (a) Proposed transmitter location accurately plotted with the latitude, the longitude lines clearly marked and showing a scale of statute kilometers.
- (b) Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna location.

14. If there are any FM or TV stations within 200 feet of proposed antenna or non-broadcast radio stations (except amateur and citizens band), or established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. N/A the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable effect on existing stations.

15. Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing 7.5 minute topographic maps, if available.)

Radial bearing (degrees true)	Height of antenna, radiation center above average elevation of radial (3-16 kilometers) Meters	Predicted Distance
		To the 1 mV/m contour Kilometers
0°		Please see Exhibit E-6
45°	_____	_____
90°	_____	_____
135°	_____	_____
180°	_____	_____
225°	_____	_____
270°	_____	_____
315°	_____	_____

Allocation Studies

(See Subpart C of Part 73 of the Commission's Rules and Regulations)

16. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico? Yes No

If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.
Filing under window W-21

17. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. N/A information required in 1/.
Filing under window W-21

18. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as Exhibit No. _____ a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:
Filing under window W-21 as a non commercial educational.

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of miles 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.
- (h) The name of the map(s) used in the exhibit(s).

1/ A showing that the proposed operation meets the minimum distance separation requirements. If any separations are proposed that are less than the applicable minimum separation requirements plus 15 kilometers, include these stations. Also include existing stations, proposed stations, and cities which appear in the Table of Assignments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

19. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? Yes No
 If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

20. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. E-5 information required in 1/ (separation requirements involving intermediate frequency [i.f.] interference). Please note Midland Allocation under W-21 Milage separations are well within range.

21. Is the proposed operation on Channel 218, 219 or 220? Yes No
 If Yes, attach as Exhibit No. N/A information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222, and 223.

22. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised? Yes No
 If Yes, attach as Exhibit No. N/A a map showing the Grade B contour of the television station and the proposed antenna location. Also include discussion of the possibility of interference to the Channel 6 station and the steps proposed to remedy any interference which may occur.

23. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)? Yes No
 Applicant is filing under W-21 as a noncommercial educational
 If Yes, attach as Exhibit No. information required in 1/ (Except for class D [secondary] proposals.)

24. If the proposed antenna location is in or near a populated area, attach Exhibit No. See below a discussion of blanketing and the steps proposed to remedy any interference which may occur. Antenna is located in a sparsely populated "oil field" area. Applicant will render any assistance necessary to remedy the situation.

25. Environmental Statement, See Part I, Subpart 1 of the Commission's Rules.

Would a Commission grant of this application be a major action as defined by Section 1.1305 of the Commission's Rules? Yes No

If Yes, attach as Exhibit No. N/A a narrative statement in accordance with Section 1.1311 of the Commission's Rules.

If No, explain briefly. The antenna will be side mounted on an existing tower.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

March 30, 1988

Date

T. Kent Atkins

Name

T. Kent Atkins

Signature (check appropriate box below)

2100 Hwy 360, Suite 1204

Address (include ZIP Code)

Grand Prairie, TX 75050

(214) 647-1010

Telephone No. (include Area Code)

Technical Director

Registered Professional Engineer

Chief Operator

Technical Consultant

Other (Specify)

Name of Applicant: Southwest Educational Media Foundation of Texas, Inc. -New- Stanton, Texas
 Call Sign: _____ Station Location: _____

Purpose of Application (Put "X" in appropriate box) <input type="checkbox"/> New antenna construction <input type="checkbox"/> Alteration of existing antenna structure <input type="checkbox"/> Change in location	Facilities Requested New FM broadcast Station. Antenna to be side mounted on existing tower.
--	---

1. Location of Antenna:
 State: Texas County: Midland City or Town: Between Midland and Stanton

Exact antenna location (street address). If outside city limits, give name of nearest town and distance and direction of antenna from town.

3.7 miles N.E. of intersection of FM 307 and FM 1208.

Geographical coordinates (to nearest second). For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude: 32° 03' 11" West Longitude: 109° 53' 08"

2. 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, give call sign:

3. Has the FAA been notified of proposed construction? YES NO
 If Yes, give date and office where notice was filed. Existing tower

4. List all landing areas within 5 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

Landing Area	Distance	Direction
(a) None	_____	_____
(b) _____	_____	_____
(c) _____	_____	_____

5. Attach as Exhibit No. See below a description of the antenna system, including whether tower(s) are self-supporting or guyed. If a directional antenna, give spacing and orientation of towers. Antenna will be side mounted on an existing tower. The tower is a uniform steel sectional guyed tower. The antenna is omnidirectional.

Tower		#1	#2	#3	#4	#5	#6
Overall height above ground (include obstruction lighting)	meters	134.1					
	feet	440.0					
Overall height above mean sea level (include obstruction lighting)	meters	954.0					
	feet	3130.0					

6. Attach as Exhibit No. E-4 a vertical plan sketch for the proposed total structure (including supporting building, if any) giving heights above ground in feet and meters for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

T. Kent Atkins

T. Kent Atkins Name
Signature (Check appropriate box below)

2100 Hwy 360, Suite 1204

Address (include ZIP Code)

Grand Prairie, TX 75050

214-647-1010

Telephone No. (Include Area Code)

Technical Director

Registered Professional Engineer

Other (specify)

Technical Consultant

Chief Operator

Gravel Pit

PACIFIC

3554

Gravel Pit

2699

BM 2687

AND

MARTIN CO
MIDLAND CO

24

2674

TEXAS

51

3553

Oil Well

PIPELINE

101° 53' 08"

(STANTON SOUTHEAST)
5648 III SE

2710

2679

2696

MAR. 30 1988

3550

PIPELINE

32° 03' 11"

PIPELINE

Gas Well

Oil Well

2696

3549

Exhibit E-3

Transmitter Site

2730

2714

Gravel Pit

2'30"

2709

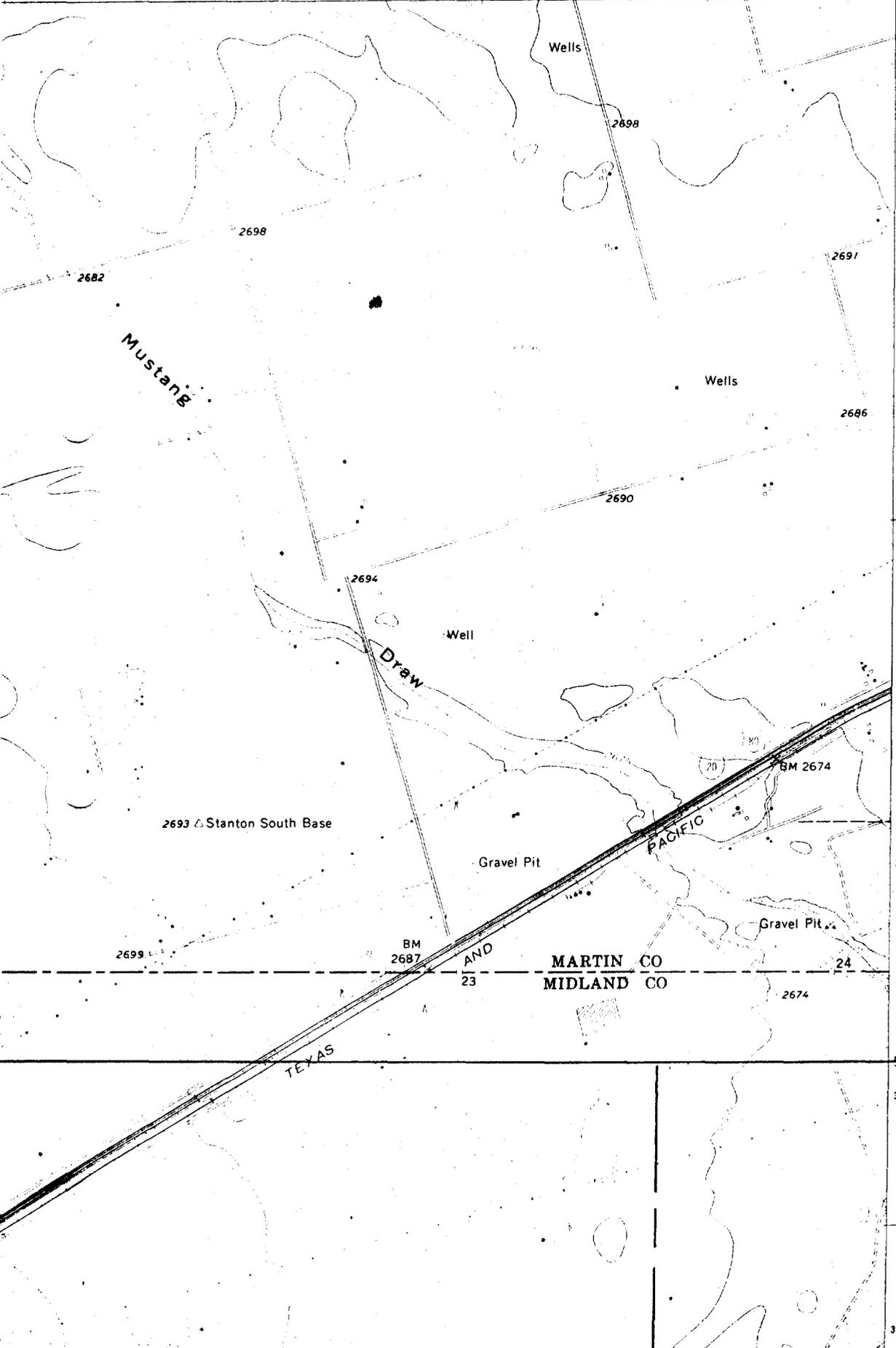
Gravel Pit

2702

GERMANIA QUADRANGLE
TEXAS
7.5 MINUTE SERIES (TOPOGRAPHIC)

5648 III NE
(STANTON)

225 226 227 1 520 000 FEET (CENTRAL) 228 101°52'30" 32°07'30"



3557

3556

890 000 FEET
(CENTRAL)

3555

3554

3553

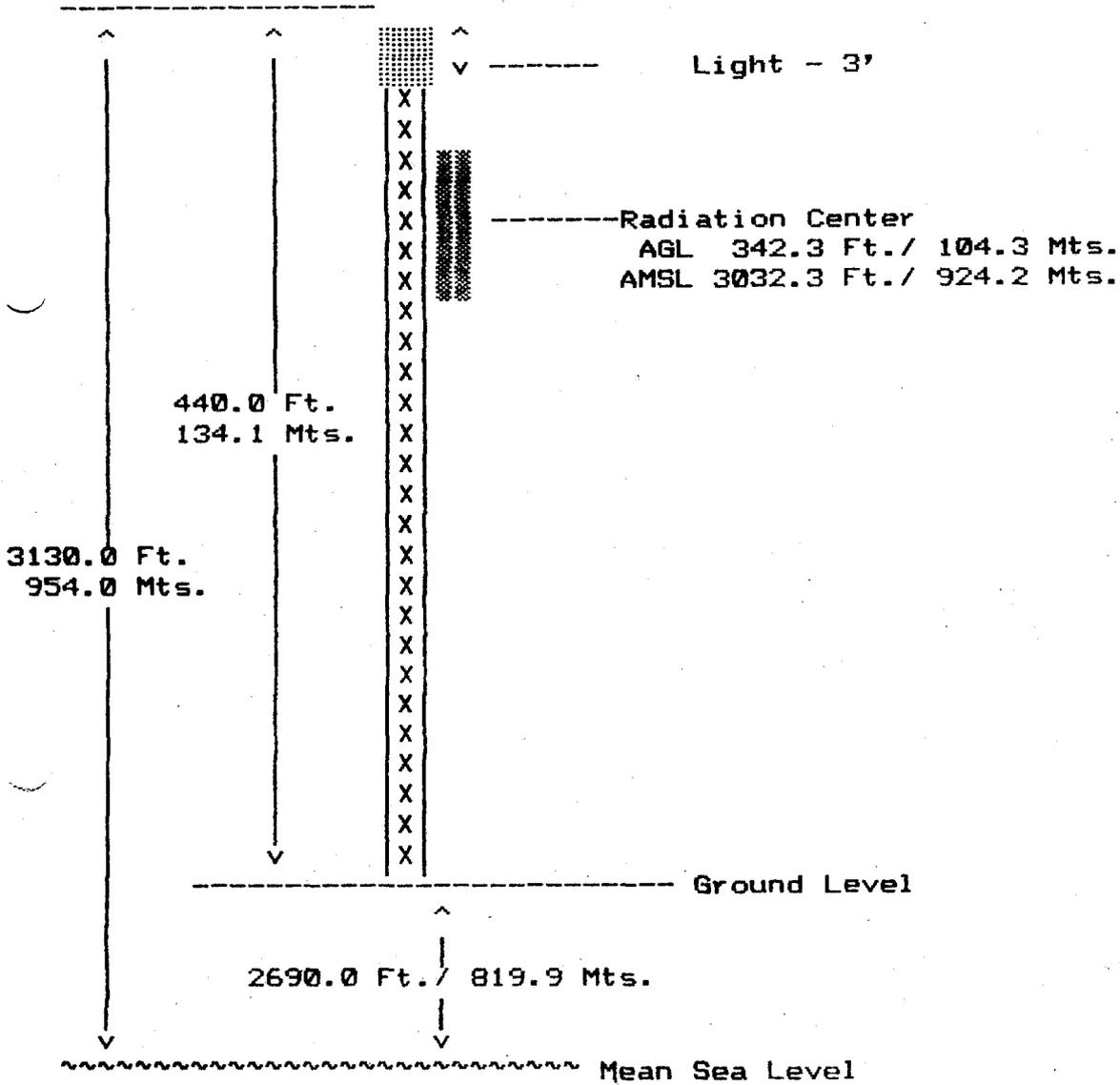
3552

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March 30, 1988

Exhibit E-4

Vertical Plan Sketch of Total Structure Channel 290 Class A



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NOTE : NOT TO SCALE

Element Depictions are Purely Symbolic

Shively Laboratories FM Antenna Model 6810
8 Bays - Power Gain 4.4 (6.43 db)
Vertical Aperture 77 Feet

March 30, 1988

Exhibit E-6

Section V-B, 15 Of FCC Form 340

Southwest Educational Media Foundation

Stanton Texas

Channel 290 Class A

Bearing	Average Terrain Radial	Radiation Center A.A.T.	3.16 mV/m Miles/ Kilometers	1 mV/m Miles/ Kilometers
0	2747.0/ 837.3	285.25/ 86.9	7.9/ 12.6	14.1/ 22.6
45	2684.0/ 818.1	348.25/ 106.1	8.8/ 14.1	15.4/ 24.6
90	2630.0/ 801.6	402.25/ 122.6	9.5/ 15.2	16.5/ 26.4
135	2650.0/ 807.7	382.25/ 116.5	9.2/ 14.7	16.1/ 25.8
180	2691.0/ 820.2	341.25/ 104.0	8.7/ 13.9	15.3/ 24.5
225	2723.0/ 830.0	309.25/ 94.3	8.3/ 13.3	14.6/ 23.4
270	2769.0/ 844.0	263.25/ 80.2	7.6/ 12.2	13.6/ 21.8
315	2740.0/ 835.2	292.25/ 89.1	8.0/ 12.8	14.2/ 22.7

The Center Of Radiation Above Mean Sea Level is 3032.3 Feet or 924.2 Meters

The Average Terrain Elevation is 2704.3 Feet or 824.3 Meters

The Radiation Center Above Average Terrain (HAAT) is 328.0 Feet or 100.0 Meters

The Area Within the 1 mV/m Contour is 590.0 Miles or 944.0 Kilometers

MAR. 30 1988

Terrain Averaging Program

Job Title: STANTON 3.16 SITE

Latitude: 32-03-11
Longitude: 101-53-08

Bearing (Deg-true)	2-10 Mile Average Terrain Elevation (m)
.0	837.3
45.0	818.1
90.0	801.6
135.0	807.6
180.0	820.1
225.0	829.9
270.0	844.0
315.0	835.2
Average:	824.2

MAR. 30 1988