Rules was employed. A terrain study was conducted for the proposed site, employing eight radials accurately laid out on a recent U.S.G.S. 7.5-minute topographic maps. On each radial a total of 100 elevation samples were taken at 0.1 mile intervals, beginning at the site and extending to a distance of 10.0 miles from the transmitter. The resulting data was computer-plotted in the form of the required terrain profile graphs. The average terrain figures reported in the accompanying Form 301, Section V-C (Page 3), are based on numerical averages of the elevation samples in the 2 to 10 mile sector of each radial, and are believed to be accurate.

Figures 3, 4, and 5, are the profile graphs for the radials used in predicting the contours. Each radial illustrates the elevation of the antenna radiation center and is identified by its bearing from the proposed transmitter site. The direction for the proposed site on each radial was measured in a clockwise direction, with 0 degrees illustrating true North.

Figure 6, is a tabulation of contours used in the allocation study, illustrating the overall height above average terrain of 448 feet, which contains an area of 3,722 square miles in the Grade B Contour.

Figure 7, is a copy of a portion of a 7.5-minute topographic quadrangle, where the site is accurately plotted with

latitude and longitude lines, that have been clearly marked.

Figure 8, is the key to maps used in the terrain Study.

Figures 9 through 17, are photoreductions of the individual topographic quadrangles used in the terrain analysis.

Figure 18, is a computer-generated allocation study, listing all applicable mileage seperation requirements of the Federal Communications Commission Rules and Stations involved.

Figure 19, is a vertical plane pattern, depicting the radiation of the Bogner BUI-28, utilizing a .5 degree beam tilt.

Figure 20, is a Sectional Aeronautical Chart showing the location and surrounding terrain.

ENVIRONMENTAL IMPACT STATEMENT:

The site is adjacent to an interstate, and there are no zoning problems expected. The proposed facility will be located close to access roads and power lines.

The site is not in any officially known designated wilderness area or wild life preserve. The site in not near any historic place or area of special scenic, cultural, recreational or archeological area of known value.

We, therefore, believe that the construction of a tower on the site will not have any significant impact on the environment.

POPULATION:

The population receiving service, in the Grade-B contour, was determined by accurately superimposing the computed contour on U.S. Census Maps and accumulating the populations of the included minor civil divisions as shown in the 1980 U. S. Census Final Counts. Where only a portion of a division was included in the contour a uniform distribution of population was assumed within the division, and a fraction of its population accumulated proportional to the fraction of its area falling within the contour.

CONCLUSION:

This report has been prepared by utilizing the latest available allocation information, cross checked with the Federal Communications Commission and other sources. Therefore, we believe this engineering data proposal complies with all applicable sections of the Federal Communications Commission technical standards at this date. We welcome the opportunity to discuss the above engineering data with the staff of the Federal Communications Commission. Should any question, concerning this information, arise, please contact me.

Section V-C **Television Broadcast Engineering Data**

Name of Applicant: Dr. Hugh Van Eaton, Sr./Leland Hughes Jones

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
- ☐ Studio location outside community of license
- ☒ Other *(summarize briefly the nature of the changes proposed)* Making a minor change in location and height of antenna

2. Station location: State: Louisiana City or Town: Lake Charles

15 Tabulation of Terrain Data (Calculated in accordance with the procedure prescribed in Section 73.684 of the Commission's Rules, utilizing 7-1/2 minute topographic maps if available.)

Radial bearing (degrees True)	Height of antenna radiation center above average elevation of radial (2-10 mi)	Predicted Distance To the City Grade Contour	To the Grade A Contour	To the Grade B Contour
	Feet	Miles	Miles	Miles
0°	446	20.534	25.707	34.395
45°	448	20.564	25.736	34.424
90°	442	20.476	25.648	34.336
135°	446	20.534	25.707	34.395
180°	448	20.564	25.736	34.424
225°	450	20.593	25.766	34.453
270°	452	20.622	25.795	34.483
315°	450	20.593	25.766	34.453
(*)				

*Radial over principal community, if not included above. DO NOT include in average.

16. 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 1.1306 of the Commission's Rules? ☒ YES ☐ NO

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

If No, explain briefly.

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

Olvie E. Sisk
Name

Olvie E. Sisk
Signature (Check appropriate box below)

P. O. Box 549
Address (include ZIP Code)

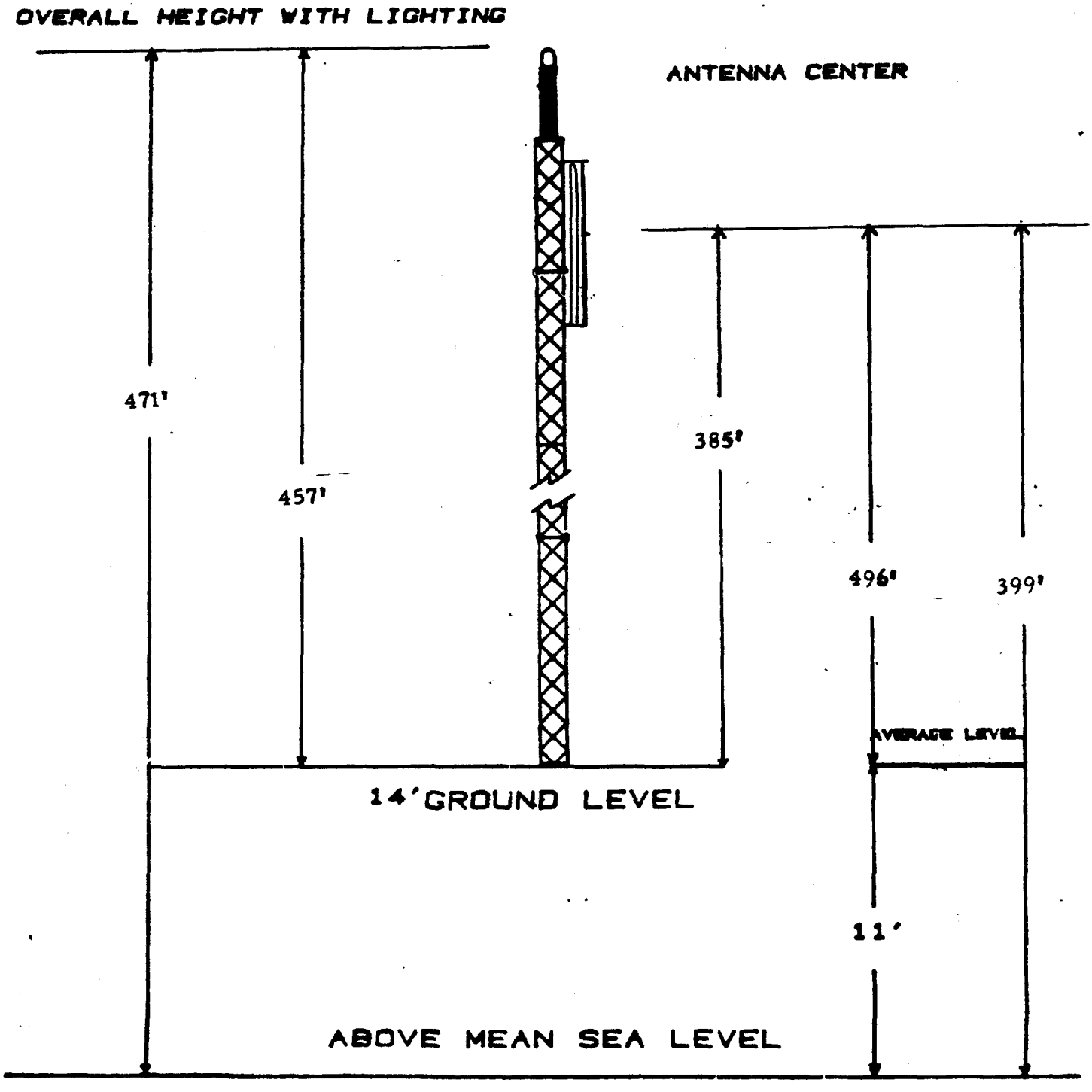
Fulton, Mississippi 38843

(601) 862-2233
Telephone No. (include Area Code)

☐ Technical Director ☐ Registered Professional Engineer ☐ Chief Operator

☒ Technical Consultant ☐ Other (specify)

VERTICAL SKETCH

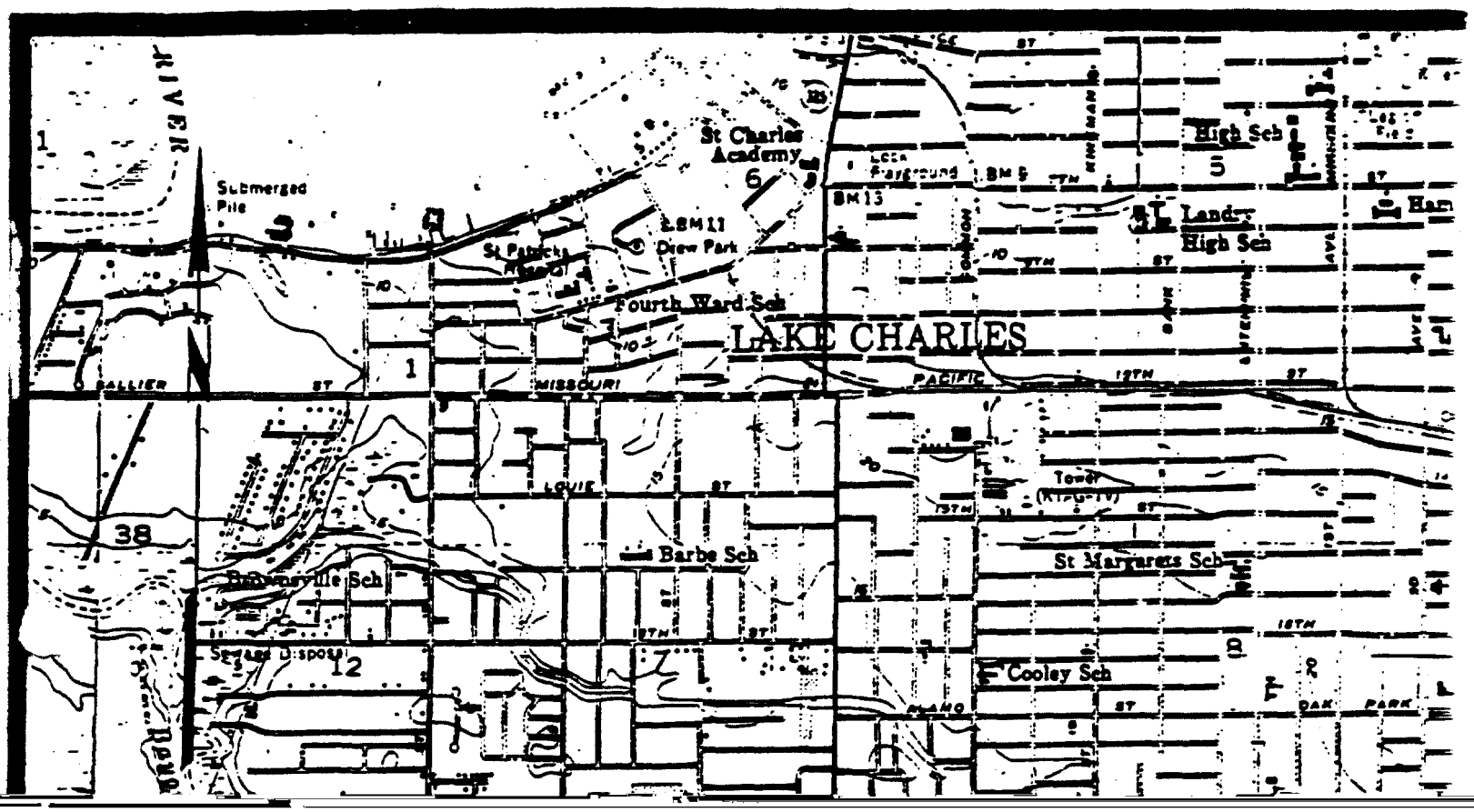


NOT TO SCALE AS LABELED

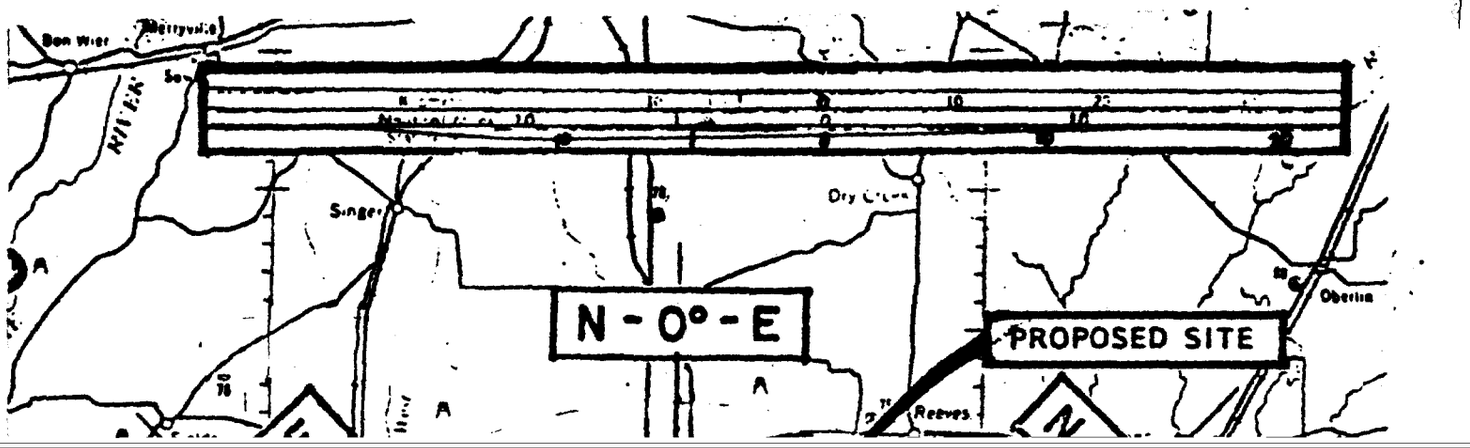
SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.
CHANNEL # 219
LAKE CHARLES, LOUISIANA

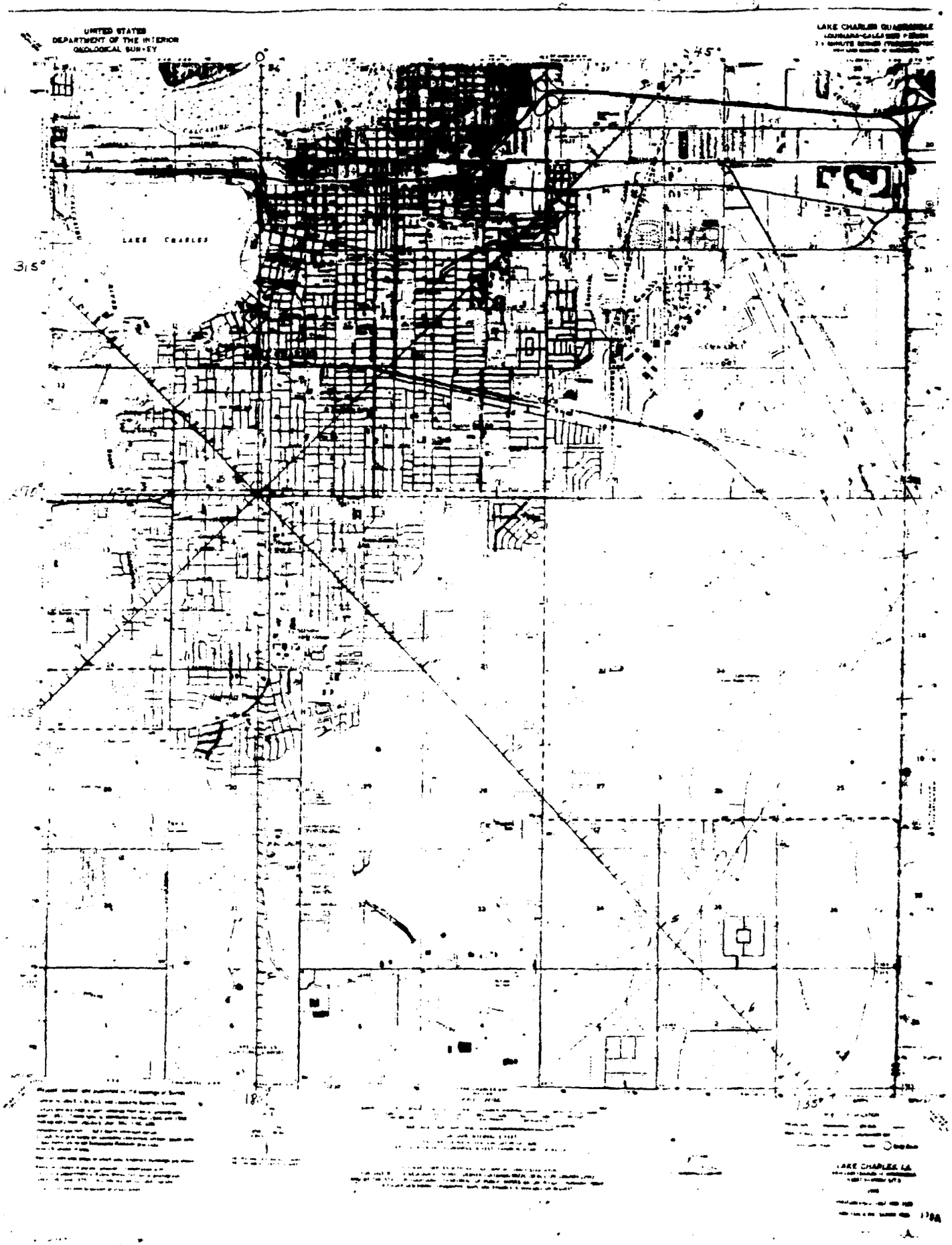
December
1983

EXHIBIT # E-2
FCC 340-V.B, 7(a)



RIVER
Submerged Pile
St Charles Academy
6
BM 11
Drew Park
St Patricks Hospital
Fourth Ward Sch
LAKE CHARLES
High Sch
5
Landry High Sch
BM 13
BM 9
Lock Playground
BALLIER ST
MISSOURI
PACIFIC
12TH ST
LOUIE ST
Tower
38
Barbe Sch
St Margarets Sch
Brownsville Sch
Sewage Disposal
12
Cooley Sch
PLANO ST
OAK PARK


Bon Wier
Merryville
RIVER
Singer
Dry Creek
Oberlin
N - 0° - E
PROPOSED SITE
Reeves



SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.
CHANNEL # 219
LAKE CHARLES, LOUISIANA

December, 1983

EXHIBIT # E-3

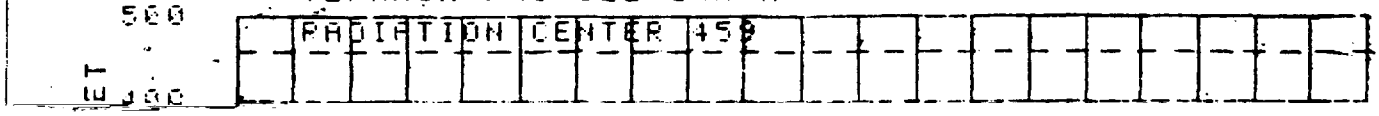
December, 1983

EXHIBIT # E-4

December, 1983

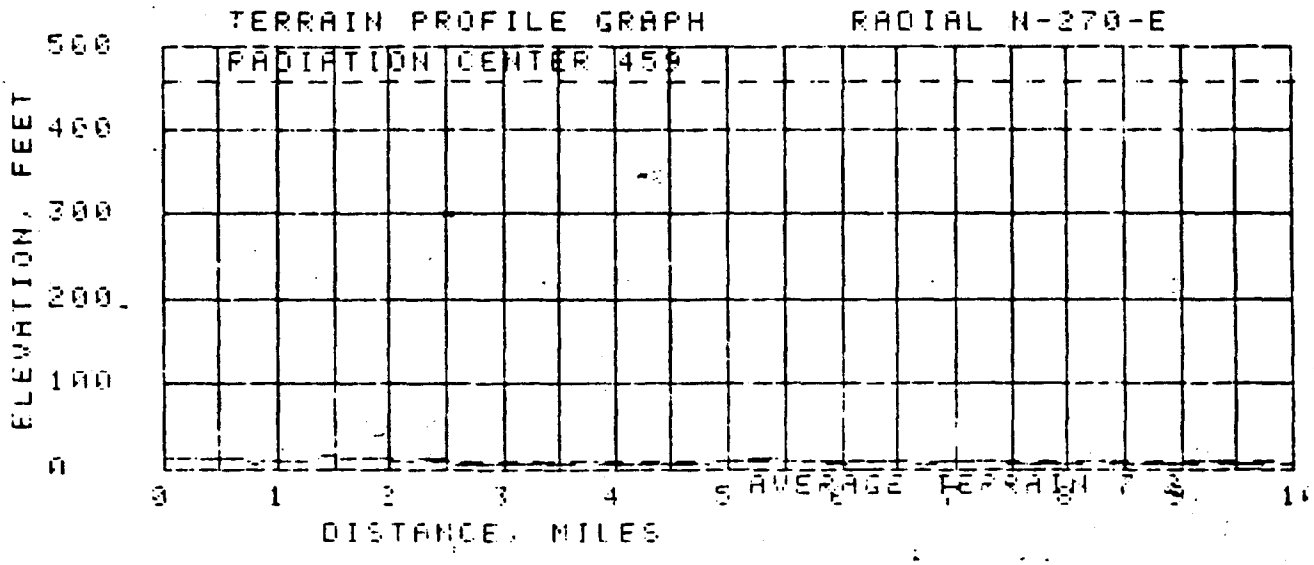
EXHIBIT # E-4

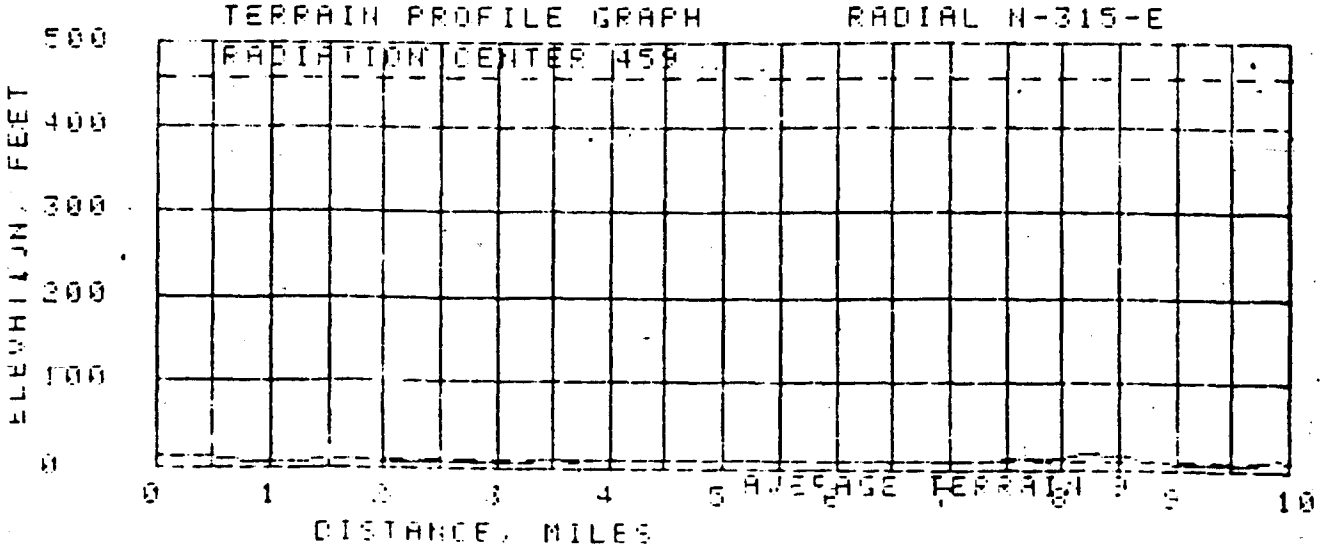
TERRAIN PROFILE GRAPH RADIAL N-135-E

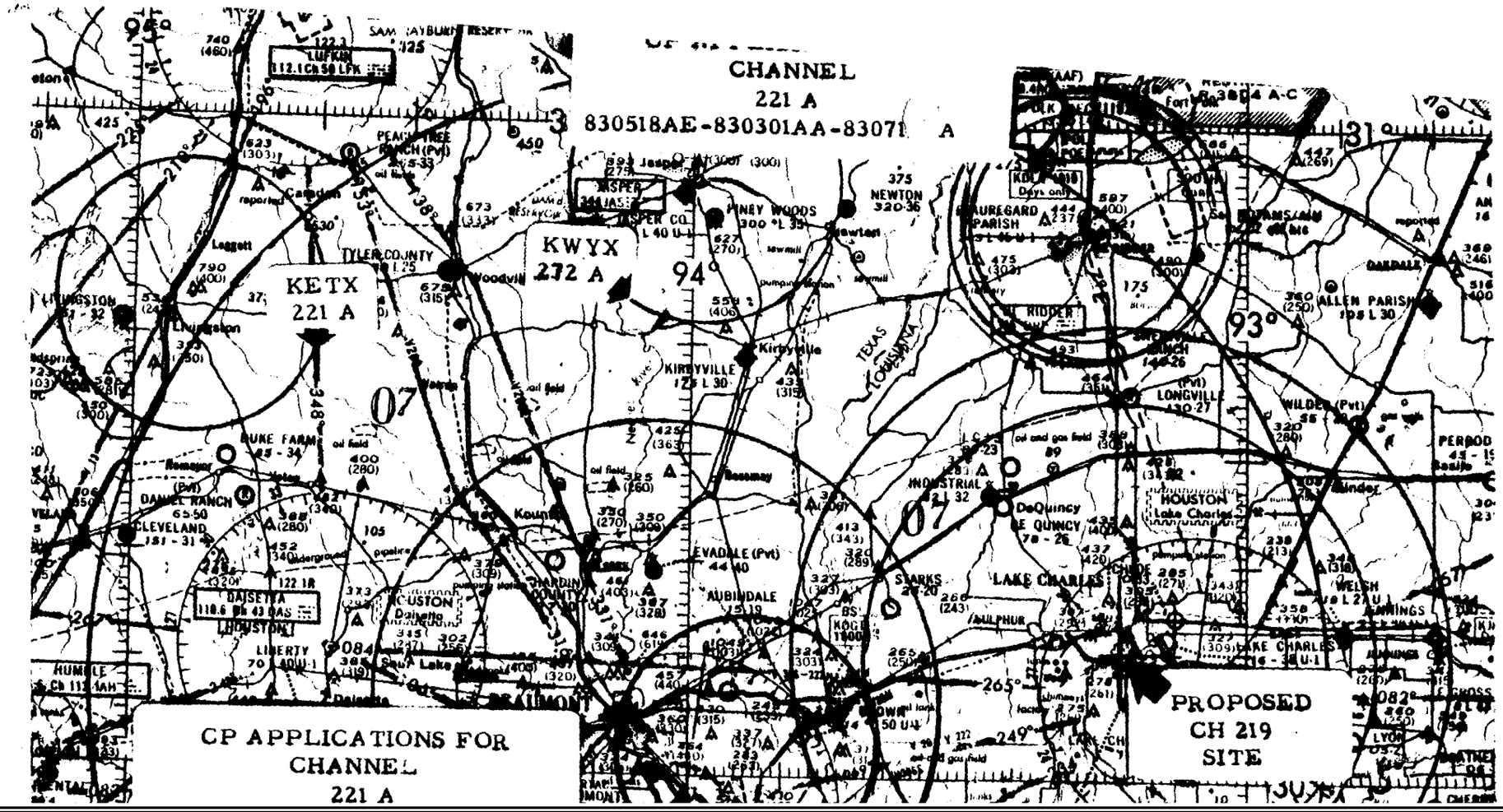


December, 1983

EXHIBIT # E-4







December, 1983
SOUTHWEST EDUCATIONAL MEDIA FOUNDATIO

December, 1983

EXHIBIT # E-5

T. KENT ATKINS
LAKE CHARLES, LA

COORDINATES 30-11-50 93-13-12

NOVEMBER 8, 1983

CHANNEL 219
CLASS C
JOB TITLE FM STUDY - LAKE CHARLES, LA

CALL STATUS	CITY STATE	FCC FILE#	CHAN CLS	ERP (KW) HAT (FT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (MI)	REQ. (MI)
KLSU CP	BATON ROUGE LA	BMPED-830729AI	*216 C	5.00 159	30-24-37 91-10-37	82.6	122.99 57.99	65. CLEAR
KVLU LIC	BEAUMONT TEX		*217 C	40.00 450	30-06-40 94-03-10	263.4	50.20 -14.80	65. SHORT
*CC	ALVIN TEX		*217 A	.80 118	29-23-43 95-14-26	245.9	133.36 68.36	65. CLEAR
KVFG	THIBODAUX		*218	.01	29-47-35	100.3	147.60	95.

T. KENT ATKINS
LAKE CHARLES, LA

COORDINATES 30-11-50 93-13-12 NOVEMBER 8, 1983
CHANNEL 219
CLASS C
JOB TITLE FM STUDY - LAKE CHARLES, LA

CALL STATUS	CITY STATE	FCC FILE#	CHAN CLS	ERP (KW) HAT (FT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (MI)	REQ. (MI)
NEW APC	SEABROOK TEX	BPH-830714BD	221 A	3.00 292	29-37-24 95-01-44	250.3	115.52 50.52	65. CLEAR
NEW APC	SEABROOK TEX	BPH-830714AV	221 A	3.00 300	29-35-41 95-01-33	249.4	116.05 51.05	65. CLEAR
ALLOC	SEABROOK TEX	DOC-82-253	221 A		29-33-46 95-01-30	248.4	116.82 51.82	65. CLEAR
W APC	SEABROOK TEX	BPH-821221AU	221 A	1.16 485	29-35-33 95-03-11	249.6	117.64 52.64	65. CLEAR
KVCL-FM LIC	WINNFIELD LA		221 A	2.70 120	31-56-58 92-37-37	16.0	125.73 60.73	65. CLEAR
KVCL-FM APP	WINNFIELD LA	BPH-820702AC	221 A	2.70 120	31-56-58 92-37-37	16.0	125.73 60.73	65. CLEAR
KTBC LIC	NACOGDOCHES TEX		221 A	1.90 370	31-36-40 94-37-50	319.8	128.48 63.48	65. CLEAR
WCKW LIC	LA PLACE LA		222 C	100.00 440	30-04-37 90-37-19	92.4	155.77 90.77	65. CLEAR
KWYX LIC	JASPER TEX		272 A	3.00 300	30-55-11 93-58-13	318.4	66.92 46.92	20. CLEAR
KBCE LIC	BOYCE LA		272 A	3.00 290	31-22-21 92-38-09	23.0	88.10 68.10	20. CLEAR
WFMF LIC	BATON ROUGE LA		273 C	100.00 1260	30-17-49 91-11-40	86.2	121.33 91.33	30. CLEAR

December, 1983 EXHIBIT # E-6

SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.

December, 1983 EXHIBIT # E-6

I. KENT AIKINS
SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.
LAKE CHARLES, LA

COORDINATES 30-11-50 93-13-12 NOVEMBER 8, 1983
CHANNEL 219
CLASS C
JOB TITLE FM STUDY - LAKE CHARLES, LA

CALL STATUS	CITY STATE	FCC FILE#	CHAN CLS	ERP (KW) HHT (FT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (MI)	REQ. (MI)
KLSU	BATON ROUGE		*216	5.00	30-24-37	82.6	122.99	65.
CP	LA	BMPED-830729AI	C	159	91-10-37		57.99	CLEAR
KVLU	BEAUMONT		*217	40.00	30-06-40	263.4	50.20	65.
LIC	TEX		C	450	94-03-10		-14.80	SHORT
KACC	ALVIN		*217	.80	29-23-43	245.9	133.36	65.
IC	TEX		A	118	95-14-26		68.36	CLEAR
KVFG	THIBODAUX		*218	.01	29-47-35	100.3	147.60	95.
LIC	LA		D		90-48-09		52.60	CLEAR
KNWD	NATCHITOCHES		*219	.25	31-44-45	3.8	106.92	130.
APP	LA	830509AO	A	154	93-05-56		-23.08	SHORT
KNWD	NATCHITOCHES		*219	.01	31-44-55	3.9	107.13	125.
LIC	LA		D		93-05-45		-17.87	SHORT
KNWD	NATCHITOCHES		*219	.25	31-44-55	3.9	107.13	130.
CP	LA	BPED-791231AZ	A	69	93-05-45		-22.87	SHORT
KTRU	HOUSTON		*219	.65	29-42-55	256.2	134.84	130.
LIC	TEX		A	160	95-23-56		4.84	CLOSE
ALLOC	GONZALES		*220		29-30-06	260.3	258.47	105.
	TEX		A		97-27-00		153.47	CLEAR
KTFA	BRIDGE CITY		221	3.00	30-02-05	254.4	41.46	65.
CP	TEX	BPH-810819AI	A	300	93-53-12		-23.54	SHORT
ALLOC	DE RIDDER		221		30-50-48	354.8	44.92	65.
	LA		A		93-17-18		-20.08	SHORT
NEW	DE RIDDER		221	3.00	30-51-00	353.3	45.28	65.
APC	LA	BPH-830518AE	A	202	93-18-32		-19.72	SHORT
NEW	DE RIDDER		221	3.00	30-52-36	355.0	46.99	65.
APC	LA	BPH-830301AA	A	287	93-17-24		-18.01	SHORT
NEW	DE RIDDER		221	3.00	30-53-31	356.7	47.94	65.
APC	LA	BPH-830714BA	A	300	93-15-59		-17.06	SHORT
KLIL	MOREAUVILLE		221	3.00	31-02-53	50.8	93.54	65.
LIC	LA		A	300	91-59-47		28.54	CLEAR
KETX-FM	LIVINGSTON		221	1.85	30-44-23	290.7	108.38	65.
LIC	TEX		A	370	94-55-30		43.38	CLEAR

T. KENT ATKINS
LAKE CHARLES, LA

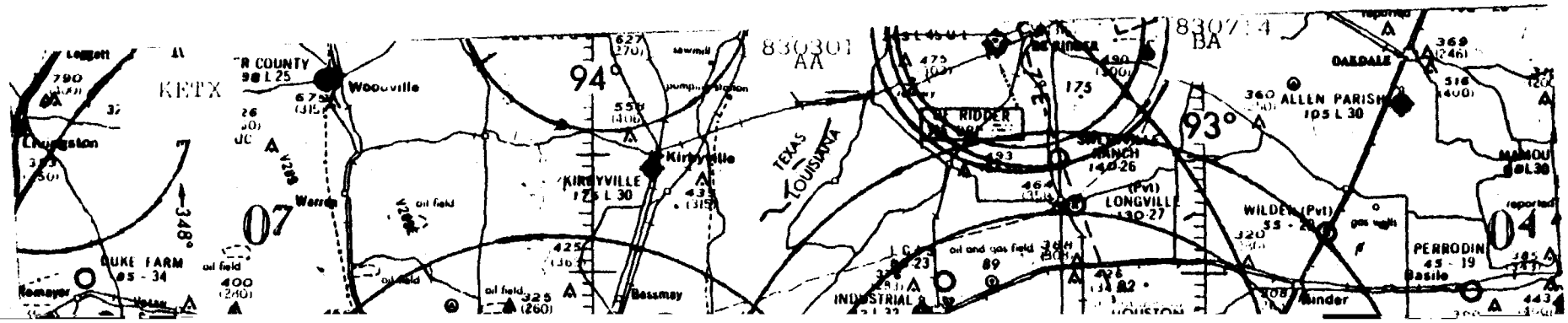
COORDINATES 30-11-50 93-13-12 NOVEMBER 8, 1983
CHANNEL 219
CLASS C
JOB TITLE FM STUDY - LAKE CHARLES, LA

CALL STATUS	CITY STATE	FCC FILE#	CHAN CLS	ERP (KW) HHT (FT)	LATITUDE LONGITUDE	BEAR. (DEG.)	DIST. (MI)	REQ. (MI)
NEW APC	SEABROOK TEX	BPH-830714BU	221 A	3.00 292	29-37-24 95-01-44	250.3	115.52 50.52	65. CLEAR
NEW APC	SEABROOK TEX	BPH-830714AV	221 A	3.00 300	29-35-41 95-01-33	249.4	116.05 51.05	65. CLEAR
DOC	SEABROOK TEX	DOC-82-253	221 A		29-33-48 95-01-30	248.4	116.82 51.82	65. CLEAR
NEW APC	SEABROOK TEX	BPH-821221AU	221 A	1.16 485	29-35-33 95-03-11	249.6	117.64 52.64	65. CLEAR
KVCL-FM LIC	WINNFIELD LA		221 A	2.70 120	31-56-58 92-37-37	16.0	125.73 60.73	65. CLEAR
KVCL-FM APP	WINNFIELD LA	BPH-820702AC	221 A	2.70 120	31-56-58 92-37-37	16.0	125.73 60.73	65. CLEAR
KTBC LIC	NACOGDOCHES TEX		221 A	1.90 370	31-36-40 94-37-50	319.6	128.48 63.48	65. CLEAR
WCKW TC	LA PLACE LA		222 C	100.00 440	30-04-37 90-37-19	92.4	155.77 90.77	65. CLEAR
KWYX LIC	JASPER TEX		272 A	3.00 300	30-55-11 93-58-13	318.4	66.92 46.92	20. CLEAR
KBCE LIC	BOYCE LA		272 A	3.00 290	31-22-21 92-36-09	23.0	88.10 68.10	20. CLEAR
WFMF LIC	BATON ROUGE LA		273 C	100.00 1260	30-17-49 91-11-40	86.2	121.33 91.33	30. CLEAR

December, 1983

EXHIBIT # E-5

SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.



KETX
Woodville
Kirbyville
KIRBYVILLE
Bessmay
94°
07
TEXAS
LOUISIANA
830301
AA
830714
BA
93°
04
ALLEN PARISH
105 L 30
LONGVILLE
WILDER (Pvt)
PERRODIN
Basile
Kinder
INDUSTRIAL
oil and gas field
oil field
348°

December, 19

December, 1983 EXHIBIT # E-7

SOUTHWEST EDUCATIONAL MEDIA FOUNDATION, INC.

The proposed FM station is within the grade "B" contour of KFDM, channel #6 in Beaumont, Texas.

No interference is expected between the proposed station and Channel #6. Should such interference develop, Southwest Educational Media Foundation, Inc. will work closely with KFDM in correcting such problems.

December, 1983 EXHIBIT # E-8

The proposed site is near a populated area, however, no blanket interference is expected.

If it occurs, the applicant will render assistance in remedying the interference.

TABLE OF ENGINEERING EXHIBITS FOR FCC FORM 340

E-1	ENGINEERING DATA ON STATION IN IMMEDIATE VICINITY.	V-B,7a.
E-2	VERTICAL PLAN SKETCH OF TOWER	V-B,7a
E-3	SITE MAP	V-B,11(a)
E-4	PROFILE GRAPHS	V-B,11(b)
E-5	ALLOCATION STUDY	V-B,15
E-6	SEPARATION STUDY	V-B,18
E-7	TV CHANNEL # 6 GRADE "B" CONTOUR	V-B,19
E-8	BLANKETING	V-B,21

AFFIDAVIT

STATE OF TEXAS)
) ss:
COUNTY OF CHEROKEE)

George E. Gunter, being first duly sworn, on oath deposes and says that the foregoing exhibits were prepaired by him or under his direction. All material and exhibits attached hereto are believed to be true and correct.

His qualifications are a matter of record before the Federal Communications Commission who granted him a First Class Radio Telephone License in 1947. Since that time he has worked for numerous broadcast stations as superviser of installations and maintenance. Recently he founded the firm of Communications Consultants, which provides the technical assistance in the preparations of applications to the Federal Communications Commission.

George E. Gunter

George E. Gunter
Affiant

Subscribed and sworn to before me on this 30th day of November, 1983.

Ruth S. Gunter

Notary Public in and for the County of Cherokee, State of Texas. My commission expires: 03-08-86