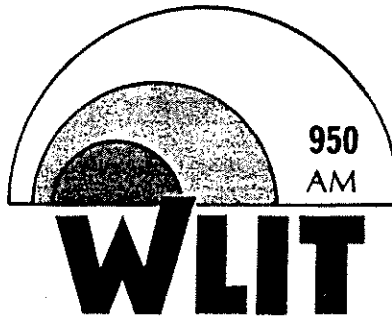




2620 Sunset Blvd. P.O. Box 1798/Steubenville, Ohio 43952
(614) 264-7771

BROADCAST FACILITIES
DIVISION
MAR 5 1982
AM BRANCH

February 22, 1982

Mr. Thomas Johnson
Federal Communications Commission
Washington, D.C. 20554

Gentlemen:

We are in receipt of your letter dated February 3, reference # 8910-GAF, granting the requested new operating parameters.

Please be advised that we have, as instructed, returned to power by direct method.

There is, however, an error in the new parameters assigned. The phase indication on Tower #4 should be 138 degrees, not 148 as indicated.

The error resulted from a typographical error on our Form 302. The secretary that typed the application from my handwritten data, apparently mis-read my 3 as a 4.

We are currently operating with the phase at 138. Unless we are notified to the contrary, we will continue with this phase.

It is requested that your records be adjusted and a corrected copy sent to my attention. We apologize for any inconvenience that this error has caused.

We have also encountered another problem. Our monitor point on the 346.4 radial must be changed. The point is located on private property. During the last 18 months the owner of the property has begun resisting our entry on her property. On November 10, 1981, we were advised, by the property owner's attorney, that we could no longer enter the property.

Since that date, we have been taking our monitor point readings at Point Number 19 of the 346.4 radial.

It is requested that this point be re-assigned as the monitor point. A detailed description, giving directions to this location is attached. Unless we are notified to the contrary, we will continue to use this point for monthly measurements, pending formal approval from your office.

BROADCAST
FACILITIES
DIVISION
MAR 4 12 41 PM '82

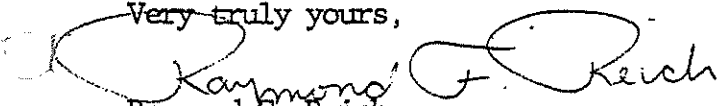
RECEIVED

February 22, 1982
FCC Page two

I have attached, as part of this request, a copy of the letter from the attorney. I have also included the readings from our last proof of performance relating to the 346.4 degree radial. The point #19 is the only accessible point that is not located on private property. (A photo of the point is included).

If you have any questions regarding this request, please communicate with me directly. I can be reached in Sumter, South Carolina at (803) 775-2321. The mailing address is P.O. Box 1269, Sumter, SC 29150.

Very truly yours,


Raymond F. Reich
Technical Director

RR/tm

PROPOSED 346.4

MONITOR POINT

WLIT - STEUBENVILLE

Direction of 346.4 true North. From transmitter building, proceed 0.1 mile on Carroll St turn left and proceed .48 mile on Finance Street, turn right and proceed 1.1 mile on Turkey Foot Run Road, turn left and proceed 1.8 mile on Wylie Ridge Road to junction of West Virginia Route 2, proceed North until you reach Ballantyne Road. Turn right on Ballantyne and proceed approximately 1 mile. At one mile, look overhead for power lines crossing road. From the powerlines, walk back 300 Ft. to monitor point.

The Intensity should not exceed 3.55 mv/m.



TABLE 16

Field Intensity Measurements - 346.4 Radial

Date: 5/12/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
18	2.24	1.5	1.6	.94
19	2.9	1.0	.9	.90
20*	3.13	1.55	1.72	.90
21	4.03	.47	.5	.94
22	5.61	.32	.38	.84
23	6.6	.40	.41	.98
24	8.54	.12	.13	.92
25	10.27	.098	.1	.98
26	11.94	.060	.065	.92
27	13.9	.070	.072	.97

*Monitor Point

Radial Average Ratio: .93

*wrwb
Ratio**2.29 ~ 4/2*

CHESTER, W. VA. 26026

P. O. BOX 252

PHONE 304 - 267-1022

ATTORNEYS AT LAW

JAMES A. JORDAN

RONALD E. WILSON

LAWRENCE L. MANYPENNY

NEW CUMBERLAND, W. VA. 26047

P. O. BOX 628

PHONE 304 - 564-5151

MESSAGE

REPLY

TO Jim TREFNEY

WLIT Radio

Steuersville, Ohio 43952

DATE 11/10/81

DEAR Mr TREFNEY

I RECEIVED YOUR MESSAGE TO phone
Mr Pailey. I CAN SEE NO REASON TO DO THAT.

OUR position is that, in the
future, there is NOT TO BE ANY
PARTY FROM WLIT ENTERING ON THE
VONLEY PROPERTY. IF ENTRY IS MADE
WARRENTS FOR TRESPASS WILL BE ISSUED
& ARRESTS MADE. PLEASE AVOID ANY FUTURE
PROBLEM BY RESPECTING THE VONLEY'S REQUEST

SIGNED

SIGNED

AVAILABLE FROM GRAYARC CO., INC.
802 THIRD AVE., B'KLYN., N.Y. 11232

THIS COPY FOR PERSON ADDRESSED

DATE

304

564-5151

FCC Form 302
March 1977

Approved by GAO
B-40025-000 17

(For Commission Use Only)

Section I

TRIPPLICATE

United States of America
Federal Communications Commission

File No. **DL-871013AC**
Name and post office address of applicant (Include ZIP Code)
(See instruction D)

CONTEMPORARY COMMUNICATIONS, INC.

P.O. BOX 1798

STEUBENVILLE, OHIO 43952

COPY TO ENGINEERS
APPLICANT'S BROADCAST STATION LICENSE

INSTRUCTIONS

A. This form is to be used in all cases when applying for a Broadcast Station License. It consists of this part, Section I, and the following sections:

Section II - A, License Application Engineering Data Standard Broadcast

Section II - B, License Application Engineering Data FM Broadcast

Section II - C, License Application Engineering Data Television Broadcast

B. Prepare and file three copies of this form and all exhibits with Federal Communications Commission, Washington, D.C. 20554.

C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Date each exhibit and each antenna pattern.

D. The name of the applicant must be stated exactly as it appears on the construction permit, which has been received.

E. Information filed for by this application which is already on file with the Commission need not be refiled in this application provided (1) the information is now on file in another application or FCC form filed by or on behalf of the applicant; (2) the information is identified fully by reference to the file number (if any), the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph number; and (3) in making the reference, the applicant states the date of filing. Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public.

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

H. See back of last page for Privacy Act Notice.

Notices and communications with respect to this application are to be addressed to the following - named persons at the address indicated (Include ZIP Code)

RAYMOND REICH
P.O. BOX 1269
SUMTER, S.C. 29150

1. Facilities authorized by construction permit

Frequency	Channel No.	Power in kilowatts	
950 KHZ		Night	Day 1.0

Hours of operation	Call letters
6AM - LOCAL SUNSET	WLIT

2. Construction permit covered by this application

File number	Construction begun	Construction completed

Is the station now in satisfactory operating condition? ☒ Yes ☐ No
and ready for regular operation?
If not, explain

PROGRAM DATA

3. Has applicant any contract, arrangement, or understanding, expressed or implied, with a network organization for the broadcasting of network programs? Yes ☐ No ☒ N/A

Does applicant, in the event this application is granted, propose to broadcast network programs? If network programs are to be broadcast, state as Exhibit No. arrangements under which they are to be obtained and attach copies of any contractual arrangement which may have been made. If the arrangement is based on an oral understanding, a written statement of the arrangement should be submitted. Yes ☐ No ☒ N/A

FINANCIAL DATA DOES NOT APPLY

4. Give actual costs of making installation for which construction was authorized

Transmitter proper including tubes	Antenna system, including antenna-ground system, coupling equipment, transmission line	Frequency and modulation monitors	Studio technical equipment, microphones, transcription equipment, etc.
\$	\$	\$	\$
Acquiring land	Acquiring or constructing buildings	Other items, state nature	Total
\$	\$	\$	\$

All previous edition of this form are canceled.

FINANCIAL DATA (Continued)

5. (a) Attach a detailed balance sheet, as at the completion date of the authorized construction, showing applicant's financial position as Exhibit No. (b) If the actual cost of construction materially exceeds the original estimated cost of construction, attach as Exhibit No. a detailed statement showing the plan used to finance such construction. (If applicant is licensee of a broadcast station having on file with the Commission an Annual Financial Report (FCC Form 324) showing its financial position within the past 12 months and the request in this application is for a change in existing facilities, these exhibits need not be supplied provided that no substantial reduction in financial position has occurred.)

DOES NOT APPLY

6. State changes, if any, in capitalization, and report any contracts affecting ownership not shown in the application for construction permit. (If none, so state)

DOES NOT APPLY

7. Apart from the apparatus constructed, have all the terms, conditions, and obligations set forth in the above-described application for construction permit been fully met? If "No", state exceptions.

Yes ☐ No ☐

DOES NOT APPLY

8. Is a request for authority to conduct program tests a part of this application?

Yes ☐ No ☐

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether 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).

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.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

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.

Signed and dated this 29 day of July, 1981

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

Contemporary Communications, Inc.

(NAME OF APPLICANT)

By Raymond Reich

(SIGNATURE)

Title President

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
A		Thomas Hamilton	Consulting Engineer
B		Raymond Reich	President & Technical Director

Broadcast Application		FEDERAL COMMUNICATIONS COMMISSION		Section 11-A	
LICENSE APPLICATION ENGINEERING DATA STANDARD BROADCAST		Name of applicant Contemporary Communications, Inc.			
Purpose of authorization applied for: (Check one)			7. Operating constants: (If directional system, give current at point of resistance measurement.)		
☒ Station license			RF common point or antenna current without modulation for night power in amperes 4.65		
☐ Direct measurement of power			Actual measured antenna or common point resistance (in ohms) at operating frequency Night _____ Day <u>50</u>		
Answer paragraphs 1-13			Actual measured antenna or common point reactance (in ohms) at operating frequency Night _____ Day <u>0</u>		
1. Facilities authorized in construction permit			Currents, and phases for directional operation		
Call Sign WLIT		File No. of construction permit N/A			
Frequency 950		Hours of operation Daytime		Power in kilowatts Night _____ Day 1	
2. Station location					
State Ohio		City or town Steubenville			
3. Transmitter location					
State W. Virginia		County Hancock			
City or Town Weirton		Street Address (or other identification) Finance & Carroll			
4. Main studio location					
State Ohio		County Jefferson			
City or Town Steubenville		Street and number 2620 Sunset Blvd.			
5. Remote control point location (only if authorized)					
State Ohio		City or town Steubenville			
Street Address (or other identification) 2620 Sunset Blvd.					
6. Transmitter installed					
Make Gates		Type No. BC-1H1		Rated Power 1KW	
Last radio stage					
Night		Total unmodulated plate current		Plate voltage	
Day		.48		2900	
Manufacturer's recommended operating efficiency for the last radio frequency amplifier stage in percent. 77%					
Is inverse feedback utilized? Yes ☐ No ☐					
If "Yes", to what value of feedback power is transmitter adjusted (in db)					
Efficiency of the last radio frequency amplifier stage as now adjusted 77.67 $\frac{I_a^2}{E_p} \frac{R_a}{I_p} (100\%)$					
7. Operating constants: (If directional system, give current at point of resistance measurement.)					
RF common point or antenna current without modulation for night power in amperes		RF common point or antenna current without modulation for day power in amperes 4.65			
Actual measured antenna or common point resistance (in ohms) at operating frequency Night _____ Day <u>50</u>		Actual measured antenna or common point reactance (in ohms) at operating frequency Night _____ Day <u>0</u>			
Currents, and phases for directional operation					
Tower	Phase reading in degrees		Antenna base current		Remote indication of antenna current
	Night	Day	Night	Day	Night Day
1-SW		0		1.4	100
2-NW		140		2.1	81
3-SE		2		2.0	83
4-NE		148		2.1	58
Manufacturer and type of antenna monitor: Potomac Instrument AM-19 (204)					
Describe equipment used for remote indication of antenna currents (antenna monitor or other method) See attached text					
8. Description of antenna system No change					
(If directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary. Height figures should not include obstruction lighting.)					
Type radiator			Height in feet of complete radiator above base insulator, or above base if grounded.		
Overall height in feet above ground. (without obstruction lighting)			If antenna is either top loaded or sectionalized, describe fully as EXHIBIT _____.		
Excitation Series ☒ Shunt. ☐					
Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.					
North latitude			West longitude		
No change			No change		
If not fully describe above, give further details and dimensions including any other antennas mounted on tower and associated isolation circuits as EXHIBIT _____.					
Details and dimensions of ground system: (Attach sketch as EXHIBIT _____ if necessary for complete description). No change					

9. Antenna resistance measurement

Attach as Exhibit No. A the following:

- Qualifications of persons taking measurements.
- Schematic diagram showing clearly all components of coupling circuits, point of resistance measurement, location of antenna ammeter, connection to and characteristics of all tower lighting isolation circuits, static drains, and any other fixtures, lines etc. connected to or supported by the antenna, including other antennas and associated circuits.
- Full description of method used to make measurements.
- Manufacturer's name of each calibrated instrument used and manufacturer's rated accuracy.
- Date, accuracy, and by whom each instrument was last calibrated.
- Table of complete data taken.
- The graph drawn of 10 to 12 readings in a band 50 to 60 kilohertz wide with the operating frequency near the center.

10. Modulation monitor

Make BELARType No. AMM-1

11. Frequency measurements

Give the following data on the checks of the frequency

Date and Time	Frequency measured by such agency or method
1. 7/29 8:43Am	950.0008
2.	
3.	

Name of checking agency or method used

WOODWARD MEASUREMENTS

12. Give method of varying power to compensate for variation of line voltage.

NO CHANGE

13. In what respect, if any does the apparatus constructed differ from that described in the application for construction permit or in the permit?

14. Give reason for the change in antenna or common point resistance.

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.

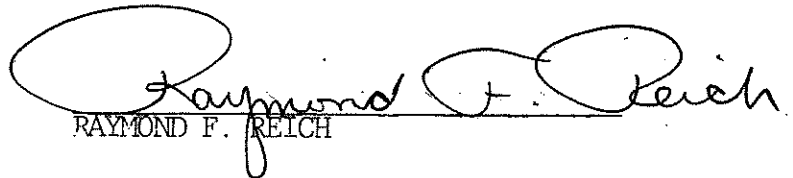
Date JULY 29, 1981Telephone 803/775-2321
(Include Area Code)Signature Raymond Reich

(check appropriate box below)

- ☒ Technical Director
☐ Registered Professional Engineer
☐ Consultant
☐ Chief Operator

STATE OF SOUTH CAROLINA)
)
COUNTY OF SUMTER)

RAYMOND F. REICH, being duly sworn, deposes and states that he is an engineer in the employee of Contemporary Communications, Inc., Steubenville, Ohio; that he is a holder of a Radio-Telephone first class license number P1-20-19552; that he has been actively engaged in broadcast engineering for the past two years. He states that Field Intensity Measurements were made by him and that all facts concerning these measurements are true of his own knowledge except to statements of information or belief and as to such statements, believes them to be true.


RAYMOND F. REICH

Subscribed and sworn to before
me this 29th day of July, 1981.


NOTARY PUBLIC

My commission expires ~~My~~ Commission Expires April 25, 1990

ENGINEERING STATEMENT

In April, 1979, towers numbers one and two of Radio Station WLIT, Steubenville, Ohio were destroyed in a wind storm. The original towers were Rohn Model 45, however, the new tower that was erected was Rohn Model 55, a larger face tower. Electronic Services Company, the contractor chosen to re-erect the towers, also completely re-furbished the remaining two towers, replacing insulators, etc.

As a result of the new larger towers and the refurbishing, it became necessary to re-tune the array to bring the pattern back to the licensed limits. During this re-tuning process, WLIT has operated with parameters at variance.

A partial proof of performance has been completed and is submitted as a part of this filing. Based upon the data contained herein, it is requested that WLIT be licensed with the new parameters as indicated.

All field intensity measurements were made by Raymond F. Reich and Calvin E. Dailey, Jr, both First Class Licensed Broadcast Engineers, during the period of April 27, 1981 to May 12, 1981. Field Intensity Meters used were Nems Clark Model 120E, last calibrated by Potomac Instruments on 8/9/77 and an RCA WX/2C calibrated on 3/21/80 by Potomac Instruments Company.

The Common Point Impedance was returned to it's original value of 50 ohms, however, we still elected to have a sweep of the Common Point conducted. A copy of that report is included. See Exhibit A.

It was noted that during the partial proof of performance, a great amount of re-radiation was experienced on two points of the 269.6° radial. It is believed that this re-radiation is the result of a newly erected power sub-station adjacent to the radial. It is therefore requested that the monitor point on the 269.6° radial be re-assigned from point 19 to point 20. A photograph of the proposed new point and directions on it's location are included in this filing. See Exhibit "B".

EXHIBIT "A"

DIRECTIONAL ANTENNA

COMMON POINT IMPEDANCE

WLIT

950 KHz

1 KW DAA
Daytime

Weirton, West Virginia

INTRODUCTION

The purpose of this report is to present the results of resistance and reactance measurements made on the Directional Antenna Common Point of WLIT at the request of the management, for the purpose of partially fulfilling the requirements of a partial proof of performance required by the Federal Communications Commission (73.54).

All measurements were made by Thomas O. Hamilton and assisted by Calvin Dailey on the morning of August 15, 1981.

Directional Antenna

Common Point Impedance

WLIT
1 KW
August 14

950 KHz
Daytime
1981

EQUIPMENT AND CALIBRATION

The equipment used in making these measurements consisted of a Delta Electronics OIB-1, serial number 690. The manufacturer's rated accuracy of this bridge is $\pm 5\%$ or ± 1 ohm for resistance and reactance. The accuracy was also checked before making measurement by means of a standard of resistance and reactance immediately prior to making common point measurements and it was found that the bridge's accuracy was greater than ± 1 ohm at measured frequencies.

The radio frequency driver was a custom Phase Lock-Loop Generator with a rated output of 10 watts and an accuracy of ± 5 hertz sinusoidal. This generator was specifically designed with 5 kilohertz steps for antenna impedance measurements. The generator was isolated and monitored by a Heath Frequency Counter IM-4120, serial number 00722, for consistent accuracy.

The radio frequency detector was a Hewlett-Packard HP400H, serial number 048-12543. The manufacturer's rated accuracy is 10 hertz to 4 megahertz. This device was also checked for accuracy prior to the actual common point measurements.

PROCEDURE:

The antenna circuit was opened at the common point amp meter and the unknown terminals of the bridge were connected to the circuit at this point and to the nearest ground. Measurements were made every 5 kilohertz from 920 to 980 kilohertz, inclusive. The OIB-1 bridge permits the direct measurement of operating impedances with an external detector.

The initial balance was obtained with the "unknown" terminals shorted at their point of connection in the circuit. With the short removed, the bridge again balanced by adjusting the resistance and reactance dials.

An inspection of the curve in Figure 2 will show that the common point resistance of WLIT at the operating frequency of 950 kilohertz is 50.0 ohms resistance and $\pm j0$ ohms reactance.

1/

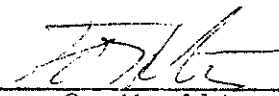
State of Ohio)
County of Washington)

0
0

Thomas O. Hamilton, being duly sworn, deposes and says that he is a qualified and experienced radio engineer; that he has been retained by Raymond Reich and Calvin Dailey, owners of radio station WLIT, for the purpose of preparing an engineering report showing the results of antenna system common point resistance and reactance measurements made upon WLIT in Weirton, West Virginia; that such material was prepared by him or under his direction and is attached hereto; that the data submitted is true of his own knowledge except as to statements of information or belief and as to such statements believes them to be true.

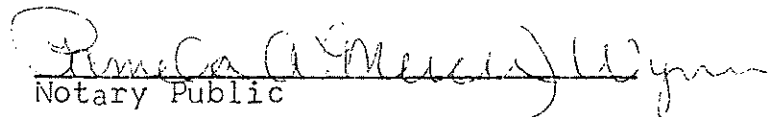
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Respectfully submitted,



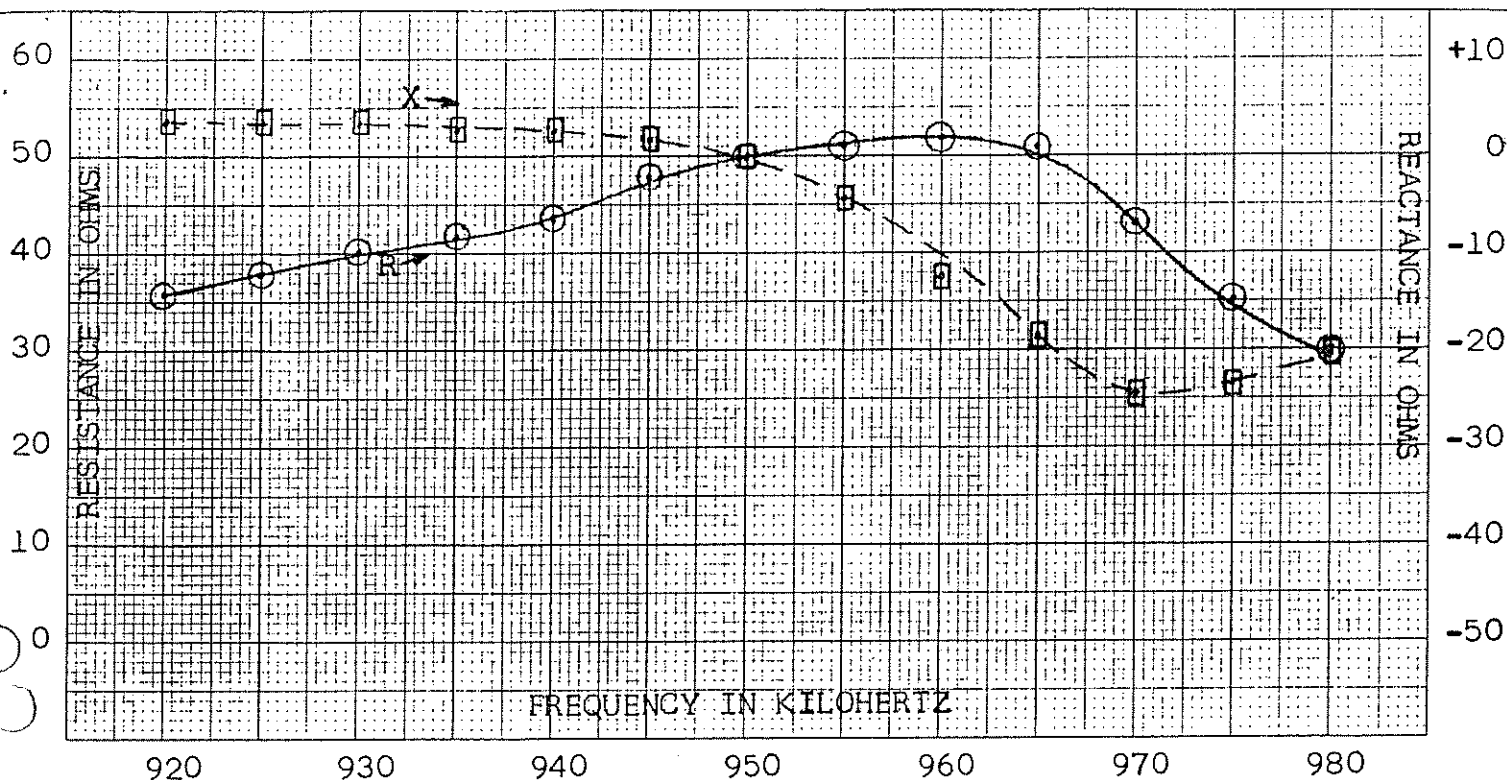
Thomas O. Hamilton

Subscribed and sworn to before me this 14th day of September 1931.



Notary Public

(Weirton



R= Read directly from dial
X= .95(dial reading)

Frequency
(KHz)

Resistance
(Ohms)

Reactance
(Ohms)

920	36	+3.68
925	38	+3.24
930	40	+3.26
935	41.5	+2.81
940	43.5	+2.81
945	48	+1.89
950	50	0.00
955	51	-4.30
960	52	-12.48
965	51	-18.82
970	43	-24.25
975	35	-23.40
980	30	-20.58

FIG. 2
DIRECTIONAL ANTENNA
COMMON POINT IMPEDANCE

WLIT
950 KHz

1 Kw.
DAYTIME

Weirton
WV

Thomas O. Hamilton
August 15, 1981

Lowell, Ohio

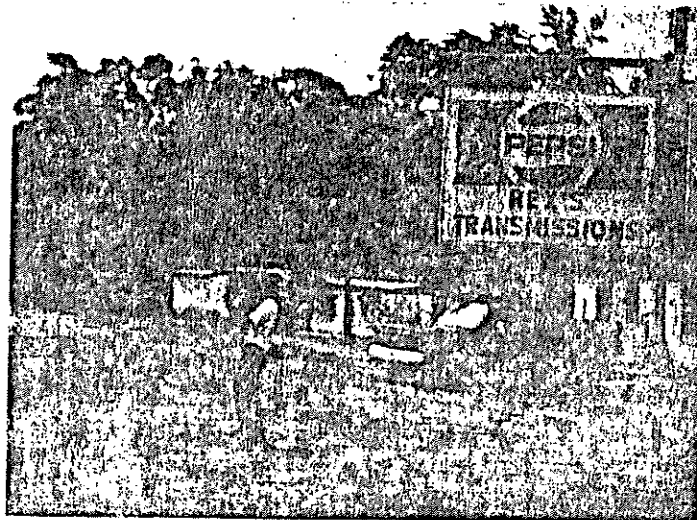


EXHIBIT B

269.6° MONITOR POINT (PROPOSED NEW POINT)
FROM TRANSMITTER BUILDING, PROCEED .01 MILE ON CARRILL STREET,
TURN LEFT AND PROCEED .40 MILE ON ELMWOOD STREET. TURN RIGHT
AND PROCEED 1.1 MILES ON TURKEYFOOT ROAD. TURN LEFT AND
PROCEED 1.8 MILES ON WYLLIE RIDGE ROAD TO THE JUNCTION OF ROUTE 2.
TURN LEFT AND PROCEED ON ROUTE 2 TO THE SECTION OF OHIO RT-7
NORTH. TURN RIGHT, AND PROCEED TO PLAINFIELD STREET EXIT, TURN
LEFT AND PROCEED 1.4 MILES, TURN LEFT AND PROCEED 1.0 MILE TO
MONITOR POINT. POINT IS LOCATED IN FRONT OF REX'S TRANSMISSION
SERVICE.

MONITOR POINT READINGS

<u>RADIAL</u>	<u>POINT NUMBER</u>	<u>1981 READING</u>	<u>MAXIMUM LIMIT</u>
20°	15	9.4MV/m	11.5MV/m
89.6°	13	4.6	5.2
130.4°	20	1.5	2.9
269.6°	20*	1.35	
346.4°	20	1.55	1.9

* Proposed new monitor point

TABLE 1

Field Intensity Measurements - 20° Radial

Date: 4/27/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u> ^{500w}	<u>RATIO</u>
15*	2.0	9.4 MU/M	10.5 MU/M 7.5	.89
16	2.71	4.8	5.45 3.9	.88
17	3.86	3.3	3.72 2.7	.89
18	4.54	2.85	2.95 2.2	.97
19	5.13	1.5	1.65 1.1	.91
20	6.07	2.15	2.43 1.7	.88
21	7.10	1.05	1.17 .86	.90
22	8.93	.95	1.02 .80	.93
23	10.4	.40	.47 .35	.85
24	12.1	.48	.52 .44	.92

*Monitor Point

Overall Radial Average: .902

TABLE 2

Field Intensity Measurements - 55° Radial

Date: 4/28/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
18	2.18	1.3	1.3 MU/M	1.0
19	3.37	1.0	.9	1.1
20	4.49	.7	.7	1.0
21	5.34	.5	.45	1.1
22	6.81	.4	.45	.89
23	10.58	.12	.14	.86
24	12.57	.08	.086	.93
25	14.41	.08	.083	.93
26	16.99	.07	.08	.88
27	18.85	.04	.039	1.03

Radial Average Ratio: .972

TABLE 3

Field Intensity Measurements - 70° Radial

Date: 4/28/81 and 4/29/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
14	2.0	4.88 MU/M	5.68 MU/M	.86
15	2.39	4.2	4.9	.86
16	3.1	2.22	2.55	.87
17	4.16	1.62	1.7	.95
18	5.01	1.06	1.15	.92
19	6.42	.76	.82	.92
20	6.99	.7	.76	.92
21	8.7	.52	.55	.95
22	10.53	.3	.32	.94
23	11.44	.32	.37	.86
24	14.03	.18	.17	1.06

Radial Average Ratio: 1.01

TABLE 4

Field Intensity Measurements - 89.6°

Date: 4/30/81 and 5/1/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
12	2.0	5.6 MV/M	5.7 MV/M 4	.98
13*	2.2	4.6	4.6 3.2	1.0
14	3.28	1.45	1.5 1	.97
15	3.73	1.82	1.85 1.35	.98
16	5.02	.76	.76 .53	1.0
17	5.41	.44	.46 .33	.96
18	6.78	.32	.33 .24	.97
19	7.73	.26	.26 .19	1.0
20	8.63	.2	.2 .13	1.0
21	10.43	.12	.1 .07	1.2
22	11.83	.09	.095 .068	.95

*Monitor Point

Radial Average Ratio: 1.10

TABLE 5

Field Intensity Measurements - 114 Radial

Date: 5/1/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
19	2.42	5.8	7.1	.82
20	3.27	4.1	6.1	.67
21	3.57	2.0	2.8	.71
22	4.39	2.25	3.15	.71
23	5.32	1.7	2.7	.63
24	6.23	.83	1.0	.83
25	7.38	.63	0.9	.70
26	8.23	.42	0.55	.76
27	10.23	.32	0.37	.86
28	11.92	.26	0.39	.67

Average Ratio: .74

TABLE 8

Field Intensity Measurements - Radial 180°

Date: 5/4/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
18	2.9	21.5	25 MV/M	.86
19	3.4	26	30	.87
20	4.16	22.8	25.5	.89
21	4.9	17.8	20	.89
22	6.23	17	19.5	.87
23	6.83	11.2	12.6	.89
24	7.7	11.4	12.7	.90
25	9.6	3.48	3.95	.88
26	11.78	3.95	4.5	.88
27	12.6	3.30	3.85	.86

Radial Average Ratio: .879

TABLE 9

Field Intensity Measurements - 200 Radial

Date: 5/4/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
18	2.52	29.4	29	1.01
19	3.09	33	32.5	1.02
20	3.88	31.3	31	1.01
21	4.42	24.9	24.5	1.02
22	5.24	16.2	15.9	1.02
23	6.7	14.2	13.9	1.02
24	7.94	20.8	20.5	1.01
25	9.95	8.2	7.9	1.04
26	11.89	8.0	7.8	1.03
27	13.73	5.3	5.2	1.02

Radial Average Ratio: 1.02

TABLE 10

Field Intensity Measurements: 220 Radial

Date: 5/5/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
21	2.23	131	120 80	1.09 1.61
22	4.94	33.8	28.5 21	1.19 1.60
23	5.5	21.4	17.9 12.5	1.2 1.71
24	6.43	14.8	12.5 9	1.19 1.64
25	7.67	13.1	10.9 7.6	1.2 1.72
26	8.98	12.4	11.0 7.4	1.13 1.67
27	9.63	10.6	9.5 6	1.18 1.76
28	12.03	5.8	5.0 3.1	1.17 1.87
29	14.77	4.1	3.5 2.6	1.17 1.57
30	16.53	2.9	2.5 1.8	1.16 1.61

Radial Average Ratio: 1.17

TABLE 12

Field Intensity Measurements - 269.6 Radial

Date: 5/6/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
16	1.7	4.6	4.7 3.3	.98
17	1.8	4.0	4.1 2.9	.98
18	2.31	4.2	2.75 2	1.53
19	2.73	2.6	2.0 1.35	1.3
20	3.53	1.35	1.43 1	.94
21	4.11	.82	0.85 .62	.96
22	5.04	.68	0.71 .5	.96
23	5.99	.24	0.26 .17	.92
24	7.43	.20	0.2 .14	1.0
25	8.42	.23	0.25 .15	.92
26	9.59	.26	0.27 .175	.96
27	11.23	.14	0.14 .1	1.0

Radial Average Ratio: .96

TABLE 16

Field Intensity Measurements - 346.4 Radial

Date: 5/12/81

<u>POINT</u>	<u>DISTANCE</u>	<u>1981</u>	<u>ORIGINAL</u>	<u>RATIO</u>
18	2.24	1.5	1.6 1.1	.94
19	2.9	1.0	.9 .64	.90
20*	3.13	1.55	1.72 1.2	.90
21	4.03	.47	.5 .34	.94
22	5.61	.32	.38 .26	.84
23	6.6	.40	.41 .27	.98
24	8.54	.12	.13 .093	.92
25	10.27	.098	.1 .07	.98
26	11.94	.060	.065 .042	.92
27	13.9	.070	.072 .047	.97

*Monitor Point

Radial Average Ratio: .93

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