7136 S Yale Ave
Suite 501
Tulsa, OK 74133

o 918.664.4581
f 918.664.3066

www.iHeartMedia.com
www.iHeartRadio.com
#iheartradio

September 6, 2022

VIA EMAIL

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

RE: IHM LICENSES, LLC (FRN No. 0014042816)
Application for New License on FCC Form 302-AM
WOR (AM), 710 kHz, New York, NY; Facility ID No. 7710

Dear Ms. Dortch:

On behalf of IHM LICENSES, LLC, the licensee of the above-referenced station, enclosed is copy of an application for New License submitted on FCC Form 302-AM.

Also enclosed is Form 159, Remittance Advice, with credit card payment of the $1505.00 filing fee.

Please contact the undersigned with any communications concerning this application.

Respectfully submitted,
IHM LICENSES, LLC

By: Troy Langham
VP, Technical Regulatory Affairs

cc: Public Inspection File

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

Approved by OMB
3060-0589

(1) LOCK BOX #	SPECIAL USE ONLY
979089	FCC USE ONLY

SECTION A – PAYER INFORMATION

(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card)	(3) TOTAL AMOUNT PAID (U.S. Dollars and cents)
iHM Licenses, LLC	1,505.00

(4) STREET ADDRESS LINE NO.1
7136 S. Yale Avenue

(5) STREET ADDRESS LINE NO. 2
Suite 501

(6) CITY	(7) STATE	(8) ZIP CODE
Tulsa	OK	74136

(9) DAYTIME TELEPHONE NUMBER (include area code)	(10) COUNTRY CODE (if not in U.S.A.)
9186644581	US

FCC REGISTRATION NUMBER (FRN) REQUIRED

(11) PAYER (FRN)	(12) FCC USE ONLY
0014042816	

IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)
COMPLETE SECTION BELOW FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET

(13) APPLICANT NAME
iHM Licenses, LLC

(14) STREET ADDRESS LINE NO.1
7136 S. Yale Avenue

(15) STREET ADDRESS LINE NO. 2
Suite 501

(16) CITY	(17) STATE	(18) ZIP CODE
Tulsa	OK	74136

(19) DAYTIME TELEPHONE NUMBER (include area code)	(20) COUNTRY CODE (if not in U.S.A.)
9186644581	US

FCC REGISTRATION NUMBER (FRN) REQUIRED

(21) APPLICANT (FRN)	(22) FCC USE ONLY
0014042816	

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET

(23A) CALL SIGN/OTHER ID	(24A) PAYMENT TYPE CODE	(25A) QUANTITY
WOR	MMR	1
(26A) FEE DUE FOR (PTC)	(27A) TOTAL FEE	FCC USE ONLY
700.00	700.00	
(28A) FCC CODE I	(29A) FCC CODE 2	
7710	302PAPERAPP	

(23B) CALL SIGN/OTHER ID	(24B) PAYMENT TYPE CODE	(25B) QUANTITY
WOR	MOR	1
(26B) FEE DUE FOR (PTC)	(27B) TOTAL FEE	FCC USE ONLY
805.00	805.00	
(28B)FCC CODE I	(29B) FCC CODE 2	
7710	302PAPERAPP	

SECTION D – CERTIFICATION

CERTIFICATION STATEMENT

I,_____, certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.

SIGNATURE_____ DATE_____

SECTION E - CREDIT CARD PAYMENT INFORMATION

MASTERCARD_____ VISA_____ AMEX_____ DISCOVER_____

ACCOUNT NUMBER_____ EXPIRATION DATE _____

I hereby authorize the FCC to charge my credit card for the service(s)/authorization herein described.

SIGNATURE_____ DATE_____

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0627
Expires 01/31/98

FOR FCC USE ONLY

FCC 302-AM
APPLICATION FOR AM BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY

FILE NO.

SECTION I - APPLICANT FEE INFORMATION

1. PAYOR NAME (Last, First, Middle Initial)

iHM Licenses, LLC

MAILING ADDRESS (Line 1) (Maximum 35 characters)

7136 S Yale Ave

MAILING ADDRESS (Line 2) (Maximum 35 characters)

Suite 501

CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE
Tulsa	OK	74136

TELEPHONE NUMBER (include area code)	CALL LETTERS	OTHER FCC IDENTIFIER (If applicable)
918-664-4581	WOR	7710

2. A. Is a fee submitted with this application? ☑ Yes ☐ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section

☐ Governmental Entity ☐ Noncommercial educational licensee ☐ 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 fee amount due in Column (C).

(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
MMR	0001	$ 700.00	

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
MOR	0001	$ 805.00	

ADD ALL AMOUNTS SHOWN IN COLUMN C,
AND ENTER THE TOTAL HERE.
THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION	FOR FCC USE ONLY
$ 1505.00	

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT iHM Licenses, LLC		
MAILING ADDRESS 7136 S Yale Ave, Suite 501		
CITY Tulsa	STATE OK	ZIP CODE 74136

2. This application is for:

☑ Commercial ☐ Noncommercial

☑ AM Directional ☐ AM Non-Directional

Call letters	Community of License	Construction Permit File No.	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit
WOR	New York, NY			

3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

☑ Yes ☐ No

If No, explain in an Exhibit.

Exhibit No.

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

☐ Yes ☐ No

If No, state exceptions in an Exhibit.

Exhibit No. N/A

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

☐ Yes ☐ No

If Yes, explain in an Exhibit.

Exhibit No. N/A

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

☐ Yes ☐ No

☐ Does not apply

If No, explain in an Exhibit.

Exhibit No.

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

☐ Yes ☑ No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

☐ Yes ☑ No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and 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 the exhibits are a material part hereof and are incorporated herein as set out in full in

CERTIFICATION

1. 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

2. 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	Signature	
Troy G Langham	Troy Langham Digitally signed by Troy Langham DN: cn=Troy Langham, o, ou, email=Troylangham@iheartmedia.com, c=US Date: 2022.09.06 15:49:31 -05'00'	
Title	Date	Telephone Number
VP, Technical Regulatory Affairs	9/2/2022	918-664-4581

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

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

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Consulting Engineers
CTJC
CARL T. JONES CORPORATION

ENGINEERING EXHIBIT
IN SUPPORT OF AN APPLICATION
FOR DIRECT MEASUREMENT OF POWER
STATION WOR – NEW YORK, NEW YORK
710 kHz – 50 kW, U, DA-1
FACILITY ID: 7710

Applicant: IHM Licenses, LLC

August, 2022

7901 Yarnwood Court
Springfield, VA 22153-2899

tel: (703) 569-7704
fax: (703) 569-6417

email: info@ctjc.com
www.ctjc.com

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SECTION III OF FCC FORM 302-AM

ENGINEERING STATEMENT OF JAMES D. SADLER

FIGURE

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant
IHM Licenses, LLC

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

☐ Station License ☑ Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WOR	N/A	710	Unlimited	50	50

2. Station location

State	City or Town
New York	New York

3. Transmitter location

State	County	City or Town	Street address (or other identification)
NJ	Bergen	Rutherford	1.3 km S of Rt. 3 Service Rd

4. Main studio location

State	County	City or Town	Street address (or other identification)
NY	New York	New York	32 Avenue of Americas

5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)
NY	New York	New York	32 Avenue of Americas

6. Has type-approved stereo generating equipment been installed? ☐ Yes ☑ No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? ☑ Yes ☐ No ☐ Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed. Exhibit No. Eng Stmt

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system	RF common point or antenna current (in amperes) without modulation for day system
32.45	32.45

Measured antenna or common point resistance (in ohms) at operating frequency		Measured antenna or common point reactance (in ohms) at operating frequency	
Night	Day	Night	Day
50	50	+j0	+j0

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day
1(NE) ASR 1237848	0.0	0.0	1.000	1.000	----	----
2(S) ASR 1237849	50.4	50.4	0.815	0.815	----	----
3(NW) ASR 1237850	159.9	159.9	1.044	1.044	----	----

Manufacturer and type of antenna monitor: Potomac Instruments, Model 1901-3

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
Uniform cross-section, guyed, tower	200.6	202.9	203.8	Exhibit No. N/A

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
40 ° 47 ' 50 "	74 ° 05 ' 24 "

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits. Exhibit No. Eng Stmt

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system. Exhibit No. N/A

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

N/A

11. Give reasons for the change in antenna or common point resistance.

N/A

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.

Name (Please Print or Type)	Signature (check appropriate box below)
James D. Sadler	
Address (include ZIP Code) Carl T. Jones Corporation 7901 Yarnwood Court Springfield, VA 22153	Date August 22, 2022 Telephone No. (Include Area Code) (703) 569-7704

☐ Technical Director

☐ Registered Professional Engineer

☐ Chief Operator

☑ Technical Consultant

☐ Other (specify)

Consulting Engineers
CTJC
CARL T. JONES CORPORATION

STATEMENT OF JAMES D. SADLER
IN SUPPORT OF AN APPLICATION
FOR DIRECT MEASUREMENT OF POWER
STATION WOR – NEW YORK, NEW YORK
710 kHz – 50 kW, U, DA-1
FACILITY ID: 7710

Applicant: IHM Licenses, LLC

I am a Technical Consultant, an employee in the firm of Carl T. Jones Corporation with offices located in Springfield, VA. My education and experience are a matter of record with the Federal Communications Commission.

Introduction

Radio Station WOR, New York, New York, is licensed to operate on a frequency of 710 kHz, on an unlimited time basis, with a daytime and nighttime power of 50 kW. The station utilizes the same directional antenna pattern for its daytime and nighttime operations (DA-1).

Audacy License, LLC (herein "Audacy"), licensee of Station WXBK(FM), Newark, New Jersey, holds a construction permit (FCC File No. BPH-20190213ABC) to relocate its transmitter site to the WOR transmitter site and mount its antenna on WOR tower No. 3, one of the three towers employed in the WOR directional antenna array. The construction permit contains a condition regarding the mounting of the antenna on a

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email: info@ctjc.com
www.ctjc.com

directional tower of AM Station WOR. In accordance with the condition on the construction permit, Audacy coordinated with IHM Licenses, LLC (herein "IHM"), licensee of Station WOR, to conduct a partial proof of performance before and after construction. Following the installation of the FM antenna, transmission line and associated isocoupler, the partial proof of performance measurements performed on the non-directional and directional patterns showed that the directional pattern had been adversely impacted by the Audacy FM equipment installation. Specifically, the inverse distance fields on two of the monitored radial bearings were increased to levels above the modified standard pattern value. Based on this finding, IHM authorized this office to: perform minor adjustment of the directional pattern; perform non-directional and directional partial proof field strength measurements; and prepare this engineering statement, Section III of FCC Form 302-AM and the associated figures in support of an Application for Direct Measurement of Power.

Non-directional and Directional Partial Proof of Performance Field Strength Measurements

The post construction field strength measurements on the 176.5 and 289 degree monitored radials indicated that the inverse distance fields on these radials were above the modified standard pattern values. Minor adjustment of the directional pattern was performed, by the undersigned, to bring the radiated values into compliance and final non-directional and directional partial proof field strength measurements were performed on the three monitored radials.

Prior to performing the non-directional partial proof field strength measurements, the non-directional antenna impedance of Tower #1 (northeast) was measured, by the undersigned, using a Delta Electronics, Model OIB-3, operating impedance bridge. The measurement was performed at the J-Plug located in the output branch of the tower #1 ATU network with Towers #2 and #3 detuned. This location corresponds to the input to the filtering and detuning equipment at the base of the tower. The measured non-directional base impedance of Tower #1 was determined to be, $Z_{ND\#1}$ = 200 -j 35.5 Ohms. For the duration of the non-directional proof of performance measurements, the transmitter was adjusted for a non-directional base current of 7.91 Amperes corresponding to a non-directional antenna input power of approximately 12,500 Watts.

The ATU networks were adjusted for proper impedance transformation and the directional common point impedance was adjusted for Z_{cp} = 50.0 +j 0.0 Ohms. The transmitter was adjusted for a common point current of 32.45 Amperes which was maintained throughout the performance of the directional proof of performance measurements.

Non-directional and directional partial proof field strength measurements were then performed on all three monitored radials. The non-directional measurements were all performed on August 2, and the directional measurements were performed on August 2 and 3, 2022. A minimum of eight field strength measurements were performed on each radial bearing at the same locations that were measured in the 2006 full proof-of-performance, including the monitor point locations, at distances generally between 3 kilometers and 15 kilometers from the transmitter site. All measurements

were made during the period between two hours following local sunrise and two hours prior to local sunset to minimize the potential for skywave interference.

All of the field strength measurements were performed by Mr. James McGivern and Mr. Joseph Stack, engineers employed by Audacy, and the undersigned. Each of these individuals is experienced in performing field strength measurements on AM directional patterns.

A total of three field intensity meters were used to make the measurements. Pertinent information on each field intensity meter is contained in the following Table.

Manufacturer/Model	**Serial Number**	**Calibration Date**
Potomac Instruments/FIM-41	989	March, 2012
Potomac Instruments/FIM-41	2244	May, 2005
Potomac Instruments/PI-4100	318	August, 2019

The performance of the field intensity meters was verified by comparing measured field strength values at several different full scale settings and verifying that the field strength values, as measured on each meter, agreed within the manufactures stated accuracy.

The measured 2022 non-directional and directional field strengths are tabulated in Figure 2. For each measurement location, the 2022 directional field strength was compared to the 2022 non-directional field strength. An arithmetic and logarithmic ratio was calculated for each location and the average ratio calculated for each radial bearing. The antilogarithm of the averages were multiplied by the measured non-

directional inverse distance fields contained in the 2006 Proof to yield the 2022 directional inverse distance field values.

A comparative summary of the 2022 measured field strength data and the modified standard pattern radiation for the three measured radials is contained herein as Figure 1. In no case does the 2022 inverse distance field exceed the authorized modified standard pattern value.

Monitor Point Values and Locations

It was determined that the photographs and descriptions for the 176.5 degree and 289 degree monitoring points contained in the original proof of performance document describe the incorrect locations based on the distances and measured values. The photographs and descriptions have been updated herein to reflect the correct locations and are contained herein as Figure 3.

Analysis of the partial proof field strength measurements indicates that a change of the maximum field strength at the 176.5 degree radial and 344 degree radial monitoring points is warranted. No change in the maximum field strength values of the 289 degree radial monitor point is warranted. Data pertinent to the monitor points is contained in Figure 4.

Antenna Sampling System

Following the minor adjustments to the directional antenna system, the existing 3/8-inch coaxial cable sampling lines were replaced with equal lengths of RFS, Type

ICF12-50J, ½-inch, phase stabilized, foam dielectric, coaxial cable and short equal lengths of Andrew, Type FSJ1-50A, ¼-inch superflexible, foam dielectric, coaxial cable between each Type ICF12-50J cable and the antenna monitor located in the transmitter building. The sample lines were verified to be equal in length by measuring the open-circuit series resonate frequency closest to the carrier frequency. Therefore the sampling system continues to meet the requirements for an approved sampling system under Section 73.68(a).

Summary

It is submitted that the directional pattern of Station WOR is in proper adjustment and compliant with the station's authorization. Further, it is requested that a superseding license be issued to reflect the changes in the operating parameters and monitoring point descriptions and maximum values.

This engineering statement, FCC Form 302-AM, Section III, and the associated figures were prepared by me or under my direct supervision and the information therein is believed to be true and correct.

Dated: August 22, 2022

James D. Sadler

SUMMARY OF MEASURED FIELD STRENGTH DATA
STATION WOR - NEW YORK, NEW YORK
710 kHz, 50 kW, U, DA-1

Monitored Radial (deg. T.)	2006 ND Inverse Distance Field Strength (mV/m at 1 km)	DA-1 / ND Antilog of Average Ratio	DA-1 Measured Inverse Distance Field Strength (mV/m at 1 km)	Modified Standard Pattern Radiation (mV/m at 1 km)
176.5	1300	1.4888	1935.4	2017.0
289	1280	0.5601	717	918
344	1300	0.3720	483.5	544.2

TABULATION OF FIELD STRENGTH MEASUREMENT DATA
STATION WOR - NEW YORK, NEW YORK
710 kHz, 50 kW, U, DA-1

176.5 Degrees True Radial

			12.5 kW, ND			50 kW, DA-1				
2006 Proof Point Number	Distance (miles)	Distance (kilometers)	Date	Time (local)	Field Strength (mV/m)	Date	Time (local)	Field Strength (mV/m)	Ratio (DA-1/ND)	Log Ratio (DA-1/ND)
3	3.94	6.34	8/2/2022	837	300	8/2/2022	1721	340	1.1333	0.0544
4	4.62	7.44	8/2/2022	851	189	8/2/2022	1730	253	1.3386	0.1267
6	5.31	8.54	8/2/2022	909	103	8/2/2022	1745	156	1.5146	0.1803
7 MP	5.48	8.82	8/2/2022	914	127	8/2/2022	1749	255	2.0079	0.3027
8	5.76	9.27	8/2/2022	918	107	8/2/2022	1754	173	1.6168	0.2087
9	6.07	9.77	8/2/2022	925	100	8/3/2022	800	139	1.3900	0.1430
11	6.71	10.80	8/2/2022	936	107	8/3/2022	813	155	1.4486	0.1609
12	7.71	12.40	8/2/2022	945	46	8/3/2022	820	75	1.6304	0.2123
13	8.51	13.70	8/2/2022	954	76	8/3/2022	833	113	1.4868	0.1723
14	11.00	17.70	8/2/2022	1022	35	8/3/2022	913	44	1.2717	0.1044
15	11.37	18.30	8/2/2022	1026	54	8/3/2022	917	92	1.7196	0.2354
								Average Ratio	1.5053	0.1728
								Antilog of Average		1.4888

TABULATION OF FIELD STRENGTH MEASUREMENT DATA
STATION WOR - NEW YORK, NEW YORK
710 kHz, 50 kW, U, DA-1

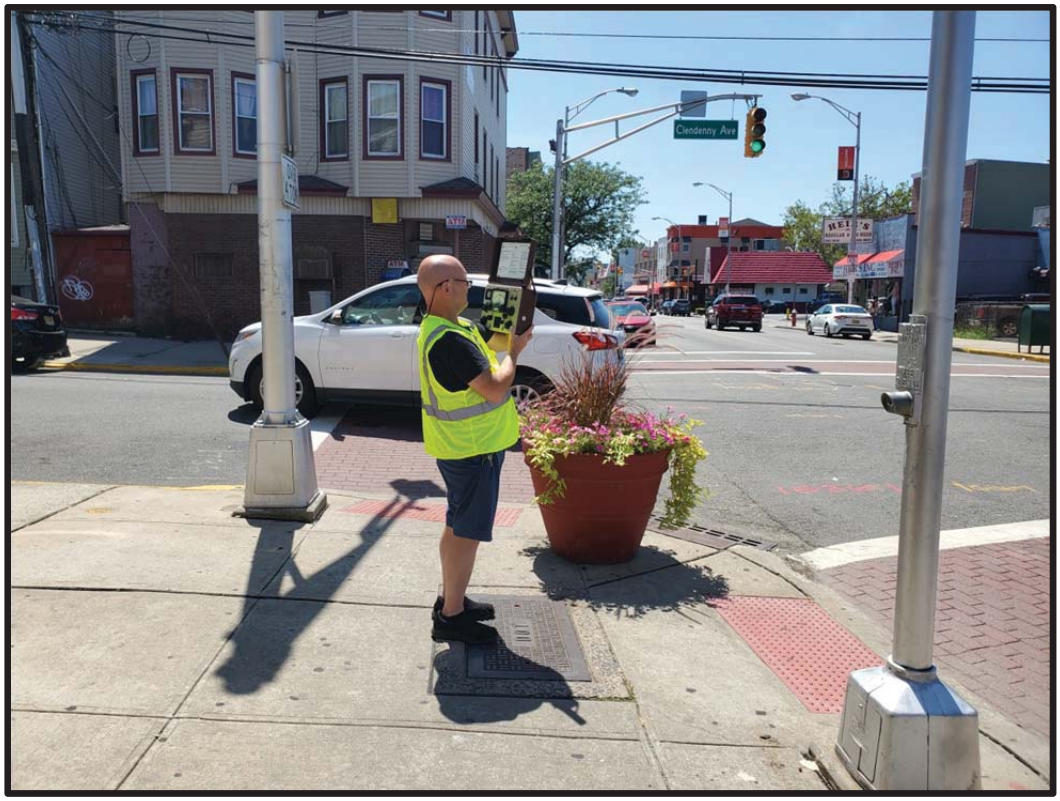
289 Degrees True Radial

			12.5 kW, ND			50 kW, DA-1				
2006 Proof Point Number	Distance (miles)	Distance (kilometers)	Date	Time (local)	Field Strength (mV/m)	Date	Time (local)	Field Strength (mV/m)	Ratio (DA-1/ND)	Log Ratio (DA-1/ND)
2	2.49	4.00	8/2/2022	842	249	8/3/2022	850	132	0.5301	-0.2756
3	2.88	4.64	8/2/2022	848	291	8/3/2022	857	140	0.4811	-0.3178
4 MP	3.06	4.92	8/2/2022	853	261	8/3/2022	903	135	0.5172	-0.2863
5	4.28	6.89	8/2/2022	903	162	8/3/2022	915	73	0.4506	-0.3462
7	5.61	9.03	8/2/2022	921	155	8/3/2022	933	92	0.5935	-0.2265
8	6.46	10.40	8/2/2022	930	115	8/3/2022	942	56	0.4870	-0.3125
10	7.77	12.50	8/2/2022	954	67	8/3/2022	1005	42	0.6269	-0.2028
11	9.44	15.20	8/2/2022	1010	57.0	8/2/2022	1646	33.5	0.5877	-0.2308
12	11.12	17.90	8/2/2022	1021	35	8/2/2022	1704	21.5	0.6143	-0.2116
14	13.24	21.30	8/2/2022	1036	24.5	8/2/2022	1722	13.9	0.5673	-0.2462
15	14.17	22.80	8/2/2022	1045	15	8/2/2022	1729	8.6	0.5733	-0.2416
16	16.78	27.00	8/2/2022	1054	13.0	8/2/2022	1742	9.8	0.7538	-0.1227
								Average Ratio	0.5652	-0.2517
								Antilog of Average		0.5601

TABULATION OF FIELD STRENGTH MEASUREMENT DATA
STATION WOR - NEW YORK, NEW YORK
710 kHz, 50 kW, U, DA-1

344 Degrees True Radial

			12.5 kW, ND			50 kW, DA-1				
2006 Proof Point Number	Distance (miles)	Distance (kilometers)	Date	Time (local)	Field Strength (mV/m)	Date	Time (local)	Field Strength (mV/m)	Ratio (DA-1/ND)	Log Ratio (DA-1/ND)
3	3.01	4.85	8/2/2022	1247	138.0	8/3/2022	946	57.6	0.4174	-0.3795
4 MP	3.42	5.50	8/2/2022	1252	227.0	8/3/2022	940	138	0.6079	-0.2161
5	4.03	6.48	8/2/2022	1259	165.0	8/3/2022	934	90	0.5455	-0.2632
6	4.51	7.26	8/2/2022	1307	174.0	8/3/2022	926	65	0.3736	-0.4276
7	5.19	8.35	8/2/2022	1314	118.0	8/3/2022	918	72	0.6102	-0.2145
9	7.83	12.60	8/2/2022	1334	76.80	8/2/2022	1646	41	0.5339	-0.2726
10	8.20	13.20	8/2/2022	1341	83.70	8/2/2022	1658	30.5	0.3644	-0.4384
11	8.76	14.10	8/2/2022	1400	62.90	8/2/2022	1708	16.5	0.2623	-0.5812
12	9.26	14.90	8/2/2022	1408	64.90	8/2/2022	1715	15.1	0.2327	-0.6333
13	10.81	17.40	8/2/2022	1417	61.40	8/2/2022	1728	11.1	0.1808	-0.7428
14	12.68	20.40	8/2/2022	1426	51.70	8/2/2022	1737	13.5	0.2611	-0.5832
15	13.48	21.70	8/2/2022	1434	29.00	8/3/2022	829	11.5	0.3966	-0.4017
								Average Ratio	0.3989	-0.4295
								Antilog of Average		0.3720



176.5 Degrees True Radial

The measurement point is located on the east corner of the intersection of West Side Avenue and Clendenny Avenue atop DOT access plate, #532 West Side Avenue, Jersey City New Jersey.

Point Number:	7
Distance from transmitter site:	8.82 km
Daytime measured field strength:	255 mV/m

MONITORING POINT DESCRIPTIONS AND PHOTOGRAPHS
STATION WOR – NEW YORK, NEW YORK
710 kHz – 50 kW, U, DA-1
AUGUST, 2022

Consulting Engineers
CTJC
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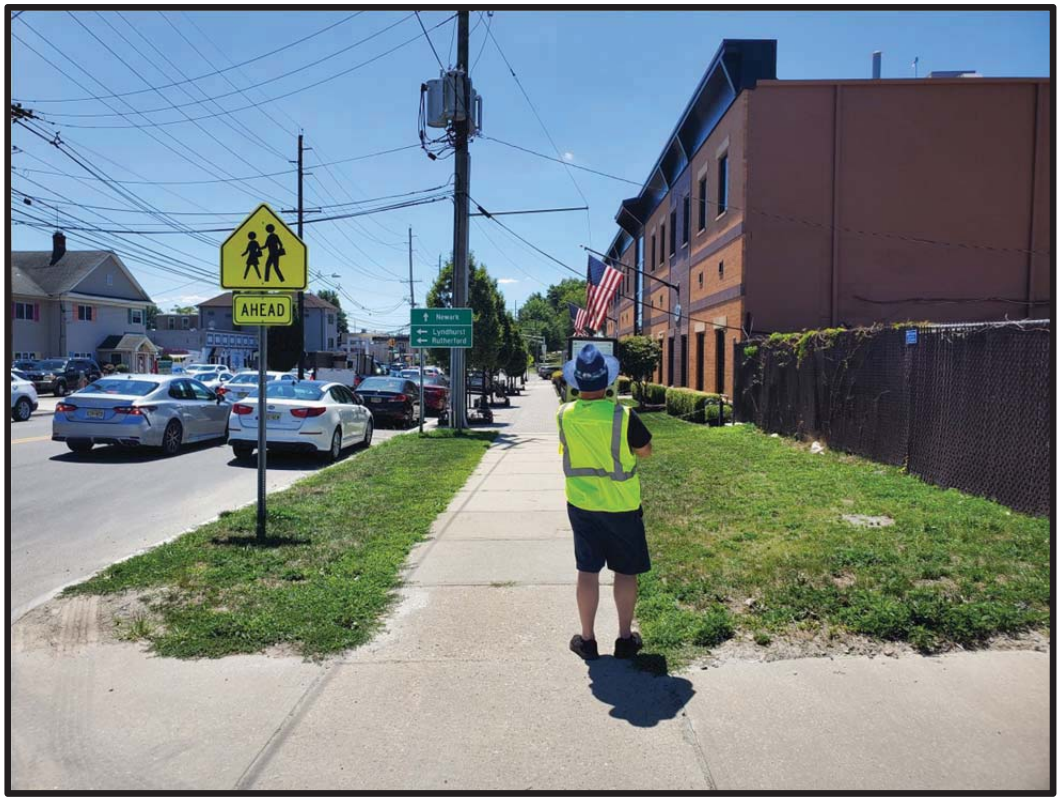

289 Degrees True Radial

The measurement point is located on the corner of the sidewalk and the driveway for the materials storage yard, opposite #180 Washington Avenue, Nutley, New Jersey (Viola Bros building Materials).

Point Number:	4
Distance from transmitter site:	4.92 km
Daytime measured field strength:	135 mV/m

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SUMMARY OF DATA PERTINENT TO NIGHTTIME
MONITORING POINT MAXIMA
STATION WOR – NEW YORK, NEW YORK
710 kHz – 50 kW, U, DA-1

Radial (deg.T)	Point Number	Distance (kilometers)	Measured Field Strength (mV/m)	Measured IDF (mV/m)*	Authorized Modified Standard Pattern Field (mV/m)*	Suggested Maximum Field Strength (mV/m)
176.5	7	8.82	255	1935.4	2017	265.8
289	4	4.92	135	717	918	187.2**
344	4	5.50	138	483.5	544.2	155.3

*mV/m at one kilometer
**Presently licensed value

Figure 4