

FOR  
FCC  
USE  
ONLY

# FCC 301

## APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

FOR COMMISSION USE ONLY  
FILE NO.

### Section I - General Information

1. Legal Name of the Applicant  
Culver Communications Corp., Inc.

Mailing Address  
320 Michigan Street

City Lockport	State or Country (if foreign address) NY	ZIP Code 14094-1725
Telephone Number (include area code) (716) 433-5944	E-Mail Address (if available)	
FCC Registration Number	Call Sign WLVL	Facility ID Number 14714

2. Contact Representative (if other than applicant) \_\_\_\_\_ Firm or Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City _____	State or Country (if foreign address) _____	ZIP Code _____
Telephone Number (include area code) _____	E-Mail Address (if available) _____	

3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114):

Governmental Entity     Other \_\_\_\_\_

### 4. Application Purpose.

- |   |  |
|---|--|
| <input type="checkbox"/> New station                                  | <input type="checkbox"/> Major Modification of construction permit |
| <input type="checkbox"/> Major Change in licensed facility            | <input type="checkbox"/> Minor Modification of construction permit |
| <input checked="" type="checkbox"/> Minor Change in licensed facility | <input type="checkbox"/> Major Amendment to pending application    |
|   | <input type="checkbox"/> Minor Amendment to pending application    |

a. File number of original construction permit: \_\_\_\_\_  N/A

b. Service Type:     AM     FM     TV     DTV

c. Community of License:    City Lockport    State NY

d. Facility Type:     Main     Auxiliary

If an amendment, submit as an Exhibit a listing by Section and Question Number of the portions of the pending application that are being revised.

Exhibit No.  
n/a

**NOTE:** In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**Section II - Legal**

1. **Certification.** Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.  Yes  No

2. **Parties to the Application.**

a. List the applicant, and, if other than a natural person, its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary.

- |   |  |
|---|--|
| <p>(1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners.</p> | <p>(2) Citizenship.</p>  |
|   | <p>(3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's equity/debt plus standard, etc.</p> |
|   | <p>(4) Percentage of votes.</p>  |
|   | <p>(5) Percentage of total assets (equity plus debt).</p>  |

(1)	(2)	(3)	(4)	(5)

b. Applicant certifies that equity and financial interests not set forth above are non-attributable.  Yes  No  N/A See Explanation in Exhibit No.

3. **Other Authorizations.** List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest. Exhibit No.  N/A

4. **Multiple Ownership.**

a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application?  Yes  No

If "YES," submit as an Exhibit a copy of that agreement.

Exhibit No.

Section II - Legal

- (b) Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules and cross-media limits.  Yes  No

If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. § 73.3555.

See Explanation  
in Exhibit No.

If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. §73.3555.

- (c) Applicant certifies that the proposed facility:

1. does not present an issue under the Commission's policies relating to media interests of immediate family members;  Yes  No  
2. complies with the Commission's policies relating to future ownership interests; and  
3. complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.

See Explanation  
in Exhibit No.

5. **Character Issues.** Applicant certifies that neither applicant nor any party to the application

- a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or  Yes  No See Explanation in Exhibit No.  
b. any pending broadcast application in which character issues have been raised.

6. **Adverse Findings.** Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.  Yes  No See Explanation in Exhibit No.

7. **Alien Ownership and Control.** Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.  Yes  No See Explanation in Exhibit No.

8. **Program Service Certification.** Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.  Yes  No

9. **Local Public Notice.** Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.  Yes  No

10. **Auction Authorization.** If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.  Yes  No  N/A

An exhibit is required unless this question is inapplicable.

Exhibit No.

11. **Anti-Drug Abuse Act Certification.** Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.  Yes  No

12. **Equal Employment Opportunity (EEO).** If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.  Yes  No  N/A

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. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

**SECTION III PREPARER'S CERTIFICATION**

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name William J. Sitzman	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature	Date September 9, 2003	
Mailing Address Independent Broadcast Consultants, Inc. 110 County Rd. 146		
City Trumansburg	State or Country (if foreign address) NY	ZIP Code 14886
Telephone Number (include area code) (607) 273-2970	E-Mail Address (if available) ibcengineering@juno.com	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

**SECTION III-A AM Engineering**

**TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1. Frequency: 1340 kHz
2. Class:  A  B  C  D
3. Hours of Operation:  Unlimited  Limited  Daytime  Share Time  Specified Hours: \_\_\_\_\_
4. Daytime Operation:  Yes  No

a. Power: 1.0 kW

b. Antenna Location Coordinates: (NAD 27)

43 ° 10 ' 30 "  N  S Latitude  
78 ° 42 ' 39 "  E  W Longitude

c. Nondirectional:  Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.  
n/a

Theoretical RMS: 304.17 mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	54.9m
Antenna structure registration	<p style="text-align: center;">Number</p> <input type="checkbox"/> Notification filed with FAA <input checked="" type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	53.9m
Electrical height of radiator (degrees)	86.8
Top-Loaded/Sectionalized apparent height (degrees)	0.0
A	0.0
B	0.0
C	0.0
D	0.0

**TECHBOX - DAYTIME OPERATION**

**d. Directional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)				
Antenna structure registration	<input type="checkbox"/> Number Notification filed with FAA  <input type="checkbox"/> Not applicable	<input type="checkbox"/> Number Notification filed with FAA  <input type="checkbox"/> Not applicable	<input type="checkbox"/> Number Notification filed with FAA  <input type="checkbox"/> Not applicable	<input type="checkbox"/> Number Notification filed with FAA  <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)				
Electrical height of radiator (degrees)				
Field ratio				
Pnase (degrees)				
Spacing (degrees)				
Tower orientation (degrees CW from True North)				
Tower reference switch				
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km

Azimuth  
(degrees)

Span  
(degrees)

Augmentation radiation  
(mV/m at 1 km)


TECH BOX - NIGHTTIME OPERATION

5. Nighttime Operation:

Yes  No

a. Power: 1.0 kW

b. Antenna Location Coordinates: (NAD 27)

43 ° 10 ' 30 "  N  S Latitude  
78 ° 42 ' 39 "  E  W Longitude

c. Nondirectional:

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.  
n/a

Theoretical RMS: 304.17 mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	54.9m
Antenna structure registration	<p style="text-align: center;">Number</p> <input type="checkbox"/> Notification filed with FAA <input checked="" type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	53.9m
Electrical height of radiator (degrees)	86.8
Top-Loaded/Sectionalized apparent height (degrees)	0.0
A	0.0
B	0.0
C	0.0
D	0.0

**TECH BOX - NIGHTTIME OPERATION**

**d. Directional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)				
Antenna structure registration	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)				
Electrical height of radiator (degrees)				
Field ratio				
Phase (degrees)				
Spacing (degrees)				
Tower orientation (degrees CW from True North)				
Tower reference switch				
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km

Azimuth (degrees)

Span (degrees)

Augmentation radiation (mV/m at 1 km)




**TECH BOX - CRITICAL HOURS OPERATION**

**6. Critical Hours Operation:**

Yes  No

a. Power: \_\_\_\_\_ kW

b. Antenna Location Coordinates: (NAD 27)

\_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  N  S Latitude  
 \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "  E  W Longitude

c. **Nondirectional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical RMS: \_\_\_\_\_ mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	
Antenna structure registration	<p style="text-align: center;">Number</p> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height (meters)	
A	
B	
C	
D	

**TECH BOX - CRITICAL HOURS OPERATION**

**d. Directional:**

Yes  No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical RMS: \_\_\_\_\_ mV/m at 1 km

Standard RMS: \_\_\_\_\_ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)				
Antenna structure registration	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	Number <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)				
Electrical height of radiator (degrees)				
Field ratio				
Phase (degrees)				
Spacing (degrees)				
Tower orientation (degrees CW from True North)				
Tower reference switch				
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

**Augmented:**

Yes  No

If "Yes," complete the following:

Augmented RMS: \_\_\_\_\_ mV/m at 1 km  
 Azimuth (degrees)      Span (degrees)      Augmentation radiation (mV/m at 1 kw)


**NOTE:** In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

**CERTIFICATION**

7. **Broadcast Facility.** The proposed facility complies with the engineering standards and assignment requirements of 47 C.F.R. Sections 73.24(e), 73.24(g), 73.33, 73.45, 73.150, 73.152, 73.160, 73.182(a)-(i), 73.186, 73.189, 73.1650. **Exhibit Required.**  Yes  No See Explanation in Exhibit No.  
Exhibit No.  
Fig1-4
8. **Community Coverage.** The proposed facility complies with community coverage requirements of 47 C.F.R. Section 73.24(i).  Yes  No See Explanation in Exhibit No.
9. **Main Studio Location.** The proposed main studio location complies with requirements of 47 C.F.R. Section 73.1125.  Yes  No See Explanation in Exhibit No.
10. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all those that apply. An exhibit is required for each applicable section.  Yes  No See Explanation in Exhibit No.
- Groundwave.**
- a.  47 C.F.R. Section 73.37 Exhibit No.  
Fig 5-9F
- Skywave.**
- b.  47 C.F.R. Section 73.182. No change to nighttime operation. Exhibit No.
- Critical Hours.**
- c.  47 C.F.R. Section 73.187. Not applicable to Class C stations. Exhibit No.
11. **Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (*i.e.*, the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an **Exhibit is required.**  Yes  No See Explanation in Exhibit No.

By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.

**PREPARER'S CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.**

Village of Trumansburg)

Tompkins County ) SS:

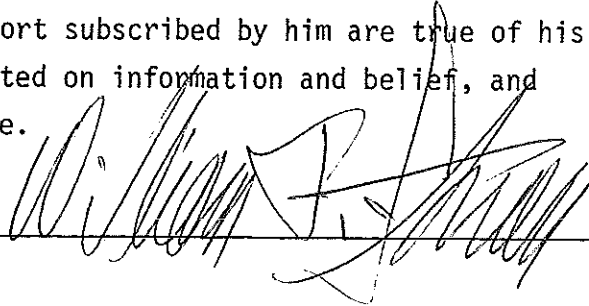
State of New York )

William J. Sitzman, being duly sworn upon his oath, deposes and states that:

He is president of and a consulting communications engineer with the firm Independent Broadcast Consultants, Inc., with offices at 110 County Rd. #146, Trumansburg, New York 14886-9721.

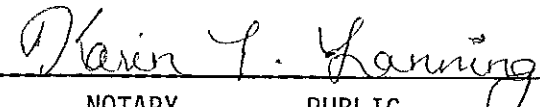
His qualifications are a matter of record with the Federal Communications Commission, having filed numerous technical and engineering reports with them in the past which were accepted for filing and subsequently were granted approval.

The facts contained in this report subscribed by him are true of his own personal knowledge, except those stated on information and belief, and those facts he verily believes to be true.



\_\_\_\_\_

Subscribed and sworn to before me this 9<sup>th</sup> day of September, 2003.



\_\_\_\_\_

NOTARY PUBLIC

**KARIN T. LANNING**  
NOTARY PUBLIC, STATE OF NEW YORK  
REG. NO. 01LA6076472  
QUALIFIED IN SENECA COUNTY  
MY COMMISSION EXPIRES JUNE 24, 2006

CULVER COMMUNICATIONS CORP., INC.  
Radio Station WLVL  
Lockport, New York  
1340 kHz, 1 kW, U

ENGINEERING STATEMENT

This engineering statement, together with the attached figures, has been prepared on behalf of Culver Communications Corp., Inc. in support of a minor change application to change daytime operation from directional to non-directional. It is pointed out that WLVL is currently licensed to operate with 1 kW non-directional during nighttime hours from the northeast tower of the daytime directional array with the southwest tower anti-resonated.

By means of background, in 1972 WLVL installed a directional array and increased daytime power to 1000 watts. At that time, co-channel station WKSN, Jamestown, NY was still operating with only 250 watts, unlimited, and co-channel station CKDK, Woodstock, ON was in operation. Since that time, WKSN has increased power to 500 watts daytime and 1000 watts nighttime and its license now conditions WKSN to receive overlap from WLVL. CKDK has ceased operation and dismantled its transmitter site. Hence the frequency of 1340 kHz is now only a vacant allotment at Woodstock, ON and if Industry Canada deletes that frequency, any received overlap from WLVL would be a moot issue.

CANADIAN CONCURRENCE REQUESTED

The applicant requests that this instant application be forwarded to Industry Canada with the request that the 1340 kHz allotment at Woodstock, ON be either deleted or changed to another frequency. CKDK, which formerly operated in that community on 1340 kHz abandoned its AM facility and now broadcasts as an FM facility on 103.9 MHz with 52 kW at 400' EHAAT.

Hence concurrence by Industry Canada will be in the public interest for the WLVL service area.

ENVIRONMENTAL CONSIDERATIONS

The Commission's Rules implementing the Environmental Policy Act does not categorize this proposal as a major action, as it does not involve any of the facilities or actions listed under §1.305 or §1.307 of the Rules.

Regarding the non-ionizing radiofrequency emission from the proposed antenna, Table I on page 49 of O.E.T. Bulletin No. 65 lists the distance in meters at which fields from AM stations are predicted to fall below the FCC and ANSI maximum.

For the proposed non-directional daytime operation, a total worst-case power of 1000 watts is assumed, identical to the licensed nighttime operation. The existing tower fence is 4 meters from

the tower face to allow generous compliance with FCC and ANSI standards.

Should any maintenance worker require access to the tower, WLVL will either reduce power or cease operation until workers are outside the tower fence. Appropriate RF warning signs have been placed on all sides of the fences and it may be assumed that there will be no significant effect on the human environment with regard to exposure of the general public.

#### DAYTIME ALLOCATION CONSIDERATIONS

A study has been made of stations on 1340 kHz and on channels within 30 kHz of that frequency in determining the protection requirements of the proposed WLVL facility. Those stations which were deemed to merit particular consideration are:

WKSN - Jamestown, NY	1340 kHz; 0.5 kW-D, 1.0 kW-N, U
WWLF - Auburn, NY	1340 kHz; 1 kW, U
WSPQ - Springville, NY	1330 kHz; 1 kW, DA-2,U
CKAR - Oshawa, ON	1350 kHz; 10 kW-D, 5 kW-N, DA-2, U

The remaining stations studied were at such a distance so as not to require detailed contour protection. Figure 5 is an allocation map showing contours of particular allocation interest for this proposal and the above listed stations. Location of contours for these stations employed notified inverse fields for non-directional operation in conjunction with FCC M-3 soil conductivity, except where measured conductivity was available.

Since this is a proposal for a Class C facility, the Commission's policy of regarding all stations operating at an assumed 250 watts has been employed to study the 0.5 mV/m and 0.025 mV/m contours of this proposal as well as the 0.025 mV/m contours of co-channel stations. Regarding the 0.5 mV/m contours of co-channel stations, the authorized daytime power was assumed. Under these conditions WLVL would not cause nor receive any prohibitive overlap and hence requests daytime operation at 1 kW on a non-directional basis.

#### NIGHTTIME ALLOCATION CONSIDERATIONS

No change is proposed to the WLVL nighttime authorization and the facility will continue to operate nighttime at 1000 watts with a notified inverse field of 304.17 mV/m/kW.

September 9, 2003

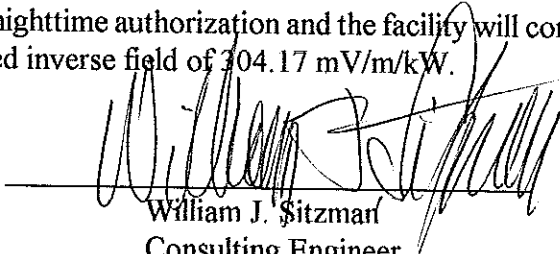
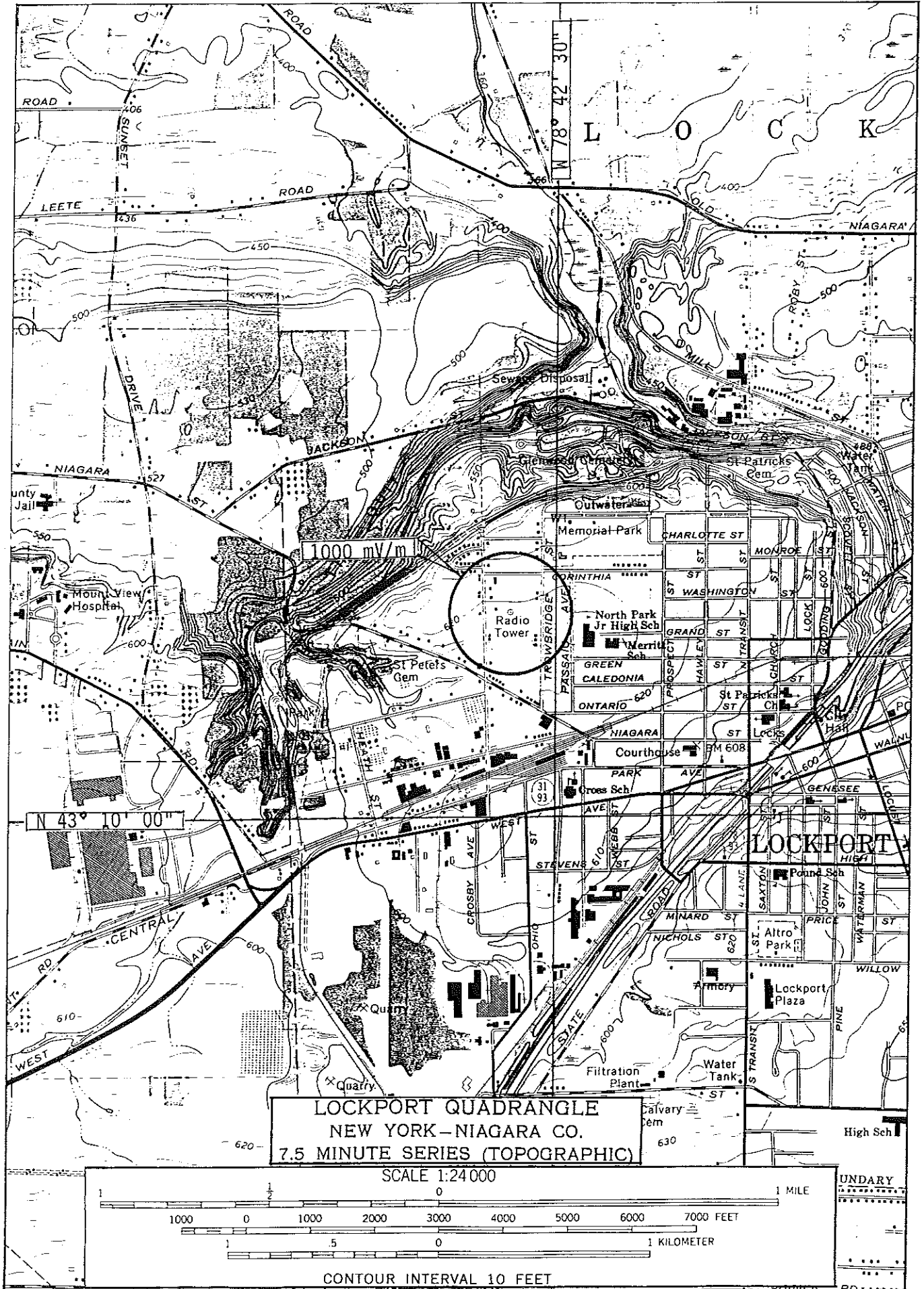
  
William J. Sitzman  
Consulting Engineer

FIGURE 1

WLVL SITE PHOTOGRAPH FACING NORTH



FIGURE 2





Proposed WLVL Daytime 5 mV/m Contour

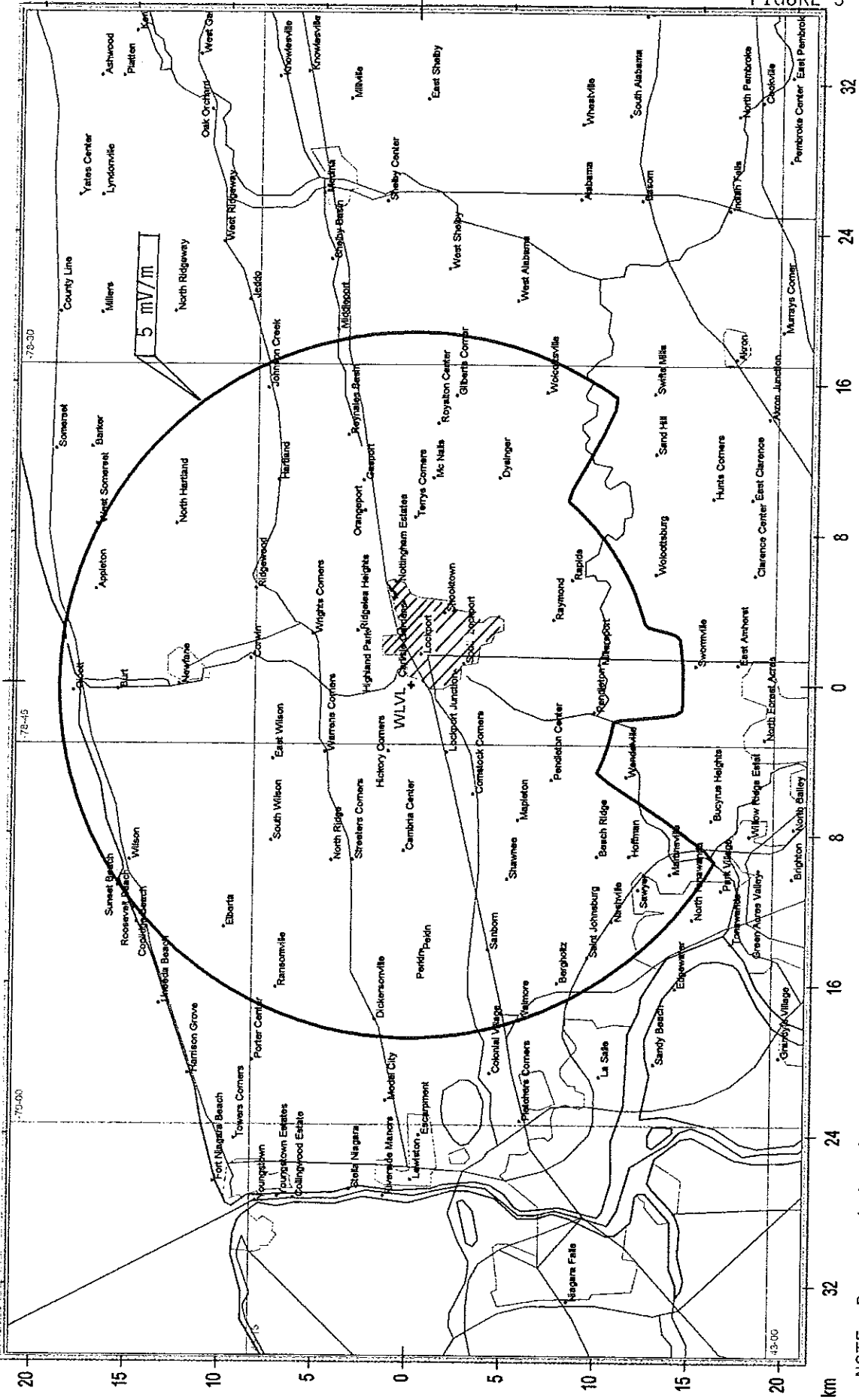
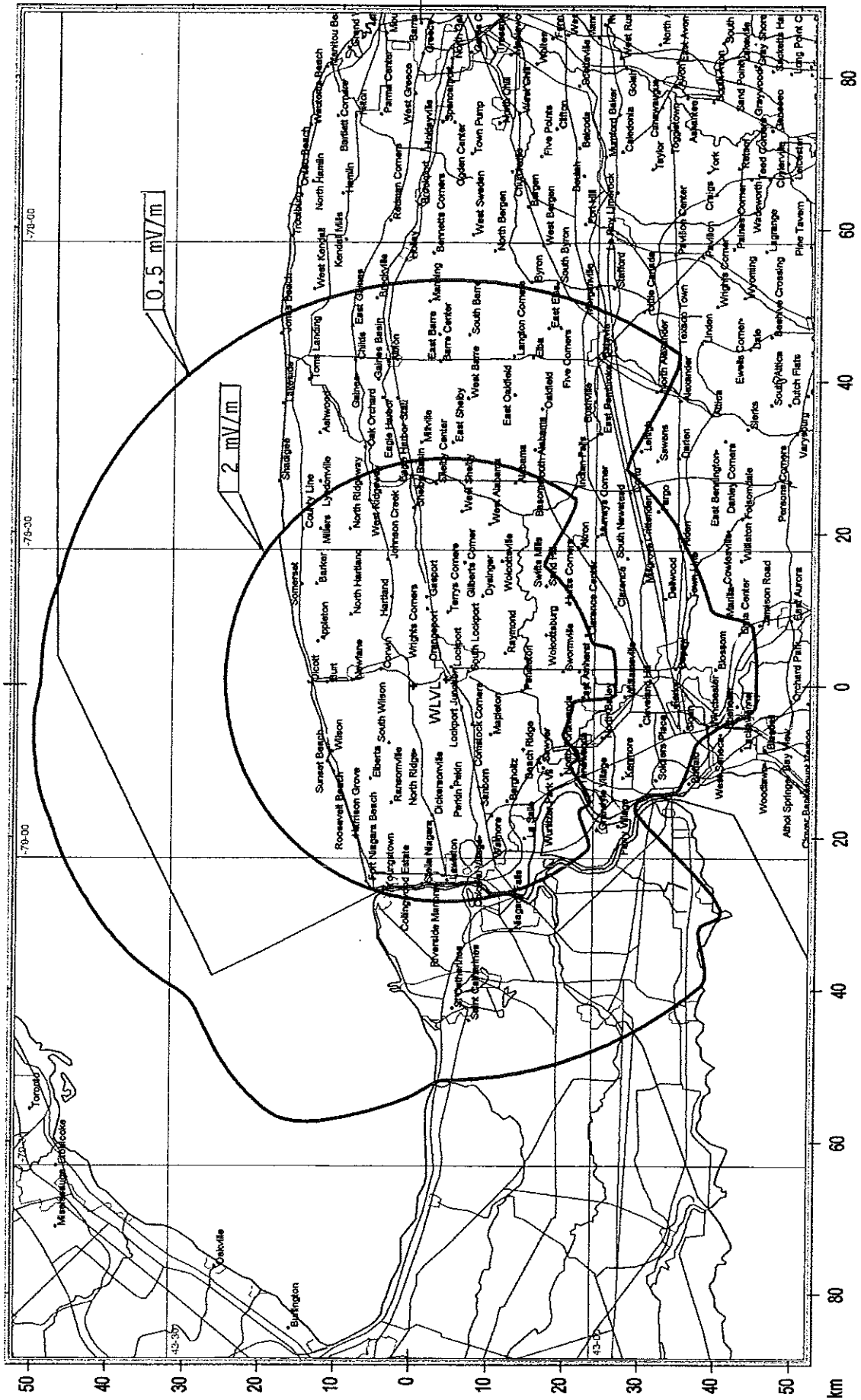


FIGURE 3

NOTE: Proposed daytime operation at 1.0 kW.

Proposed WLVL Daytime 2 & 0.5 mV/m Contours



NOTE: Proposed daytime operation at 1.0 kW.



WLVL Conductivity Tabulation.TXT  
 GROUND CONDUCTIVITY REPORT - WLVL, Lockport, NY

Lat : 43-10-30.0 N Licensed: 1340 kHz, 1 kW DA-D, 1 kW ND-N, U  
 Lon : 78-42-39.0 W Proposed: 1340 kHz, 1 kW ND, U  
 Radius : 200

\* Includes measured conductivity data. Inverse field: 304.17 mV/m/kW

0 deg:	50.96,	8.0	77.83,	15.0	111.18,	8.0	176.04,	5.0
	200.12,	4.0						
5 deg:	51.13,	8.0	79.98,	15.0	113.50,	8.0	162.76,	5.0
	199.97,	4.0						
10 deg:	51.74,	8.0	82.78,	15.0	116.67,	8.0	144.05,	5.0
	199.60,	4.0						
15 deg:	52.76,	8.0	86.33,	15.0	119.00,	8.0	199.82,	4.0
20 deg:	54.17,	8.0	89.86,	15.0	116.33,	8.0	199.64,	4.0
25 deg:	56.23,	8.0	94.08,	15.0	114.53,	8.0	199.88,	5.0
30 deg:	58.70,	8.0	99.56,	15.0	108.32,	8.0	200.04,	5.0
35 deg:	63.46,	8.0	107.64,	15.0	200.31,	5.0		
40 deg:	67.56,	8.0	121.14,	15.0	199.83,	5.0		
45 deg:	73.48,	8.0	130.49,	15.0	199.78,	5.0		
50 deg:	80.94,	8.0	132.02,	15.0	195.86,	5.0	200.19,	4.0
55 deg:	90.57,	8.0	142.13,	15.0	187.05,	5.0	187.61,	15.0
	200.01,	4.0						
60 deg:	102.60,	8.0	199.87,	15.0				
65 deg:	122.38,	8.0	185.14,	15.0	199.97,	4.0		
70 deg:	149.51,	8.0	166.24,	15.0	200.25,	8.0		
75 deg:	200.20,	8.0						
80 deg:	171.04,	8.0	200.20,	4.0				
85 deg:	95.71,	8.0	199.85,	4.0				
90 deg:	93.45,	8.0	200.25,	4.0				
95 deg:	93.20,	8.0	200.18,	4.0				
100 deg:	93.70,	8.0	200.32,	4.0				
105 deg:	94.94,	8.0	199.80,	4.0				
110 deg:	96.89,	8.0	200.12,	4.0				
115 deg:	97.04,	8.0	200.31,	4.0				
120 deg:	98.61,	8.0	199.70,	4.0				
125 deg:	95.96,	8.0	199.99,	4.0				
130 deg:	1.30,	1.0*	2.60,	2.5*	10.00,	3.5*	50.00,	4.0*
	70.10,	3.5*	83.02,	8.0	83.54,	4.0	84.14,	8.0
200.14,	4.0							
135 deg:	1.30,	1.0*	2.60,	2.5*	10.00,	3.5*	50.00,	4.0*
	70.10,	3.5*	200.00,	4.0				
140 deg:	1.30,	1.0*	2.60,	2.5*	10.00,	3.5*	50.00,	4.0*
	70.10,	3.5*	200.36,	4.0				
145 deg:	1.30,	1.0*	2.60,	2.5*	10.00,	3.5*	50.00,	4.0*
	70.10,	3.5*	200.32,	4.0				
150 deg:	6.00,	3.0*	11.00,	4.0*	36.00,	3.5*	64.20,	3.0*
	200.22,	4.0						
155 deg:	6.00,	3.0*	11.00,	4.0*	36.00,	3.5*	64.20,	3.0*
	199.96,	4.0						
160 deg:	6.00,	3.0*	11.00,	4.0*	36.00,	3.5*	64.20,	3.0*
	199.77,	4.0						
165 deg:	6.00,	3.0*	11.00,	4.0*	36.00,	3.5*	64.20,	3.0*
	193.59,	4.0	200.22,	2.0				
170 deg:	1.80,	1.0*	3.00,	2.0*	6.50,	4.0*	50.00,	5.0*
	61.20,	4.0*	185.25,	4.0	200.33,	2.0		
175 deg:	1.80,	1.0*	3.00,	2.0*	6.50,	4.0*	50.00,	5.0*
	61.20,	4.0*	178.54,	4.0	199.95,	2.0		
180 deg:	1.80,	1.0*	3.00,	2.0*	6.50,	4.0*	50.00,	5.0*
	61.20,	4.0*	173.26,	4.0	200.12,	2.0		
185 deg:	1.80,	1.0*	3.00,	2.0*	6.50,	4.0*	50.00,	5.0*
	61.20,	4.0*	168.29,	4.0	199.92,	2.0		
190 deg:	1.00,	1.5*	1.40,	2.0*	17.00,	3.0*	23.00,	6.0*

	WLVL Conductivity		Tabulation.TXT					
200.26,	34.00,	4.5*	63.10,	3.5*	66.75,	8.0	164.62,	4.0
195 deg:	2.0 0.90,	1.5*	2.80,	5.0*	26.00,	4.0*	35.20,	0.5*
200 deg:	74.85, 0.90,	8.0 1.5*	161.98, 2.80,	4.0 5.0*	200.29, 26.00,	2.0 4.0*	35.20.	0.5*
205 deg:	87.65, 0.90,	8.0 1.5*	160.53, 2.80,	4.0 5.0*	199.86, 26.00,	2.0 4.0*	35.20,	0.5*
210 deg:	107.06, 199.79, 0.90,	8.0 2.0 1.5*	107.35, 2.80,	4.0 5.0*	108.19, 26.00,	8.0 4.0*	166.23, 35.20	4.0 0.5*
120.52,	37.46, 8.0	8.0	43.64,	10.0	43.98,	8.0	44.78,	10.0
215 deg:	181.07, 0.90,	4.0 1.5*	200.35, 2.80,	8.0 5.0*	26.00,	4.0*	35.20,	0.5*
200.08,	42.71, 8.0	8.0	53.05,	10.0	125.89,	8.0	188.16,	4.0
220 deg:	1.00, 30.60,	1.5* 6.0*	1.50, 44.42,	3.0* 8.0	11.00, 44.85,	5.0* 10.0	20.00, 45.57,	8.0* 8.0
47.14,	10.0 49.44,	8.0	62.49,	10.0	62.93,	8.0	63.64,	10.0
128.74,	8.0 196.63,	4.0	200.10,	8.0				
225 deg:	1.00, 30.60,	1.5* 6.0*	1.50, 49.66,	3.0* 8.0	11.00, 91.32,	5.0* 10.0	20.00, 199.71,	8.0* 8.0
230 deg:	54.13, 200.35,	8.0 8.0	121.27,	10.0	121.78,	8.0	122.91,	10.0
235 deg:	60.54,	8.0	154.45,	10.0	200.21,	8.0		
240 deg:	68.00, 74.57,	8.0 8.0	68.59, 193.80,	10.0 10.0	69.06, 194.97,	8.0 8.0	69.64, 195.46,	10.0 10.0
199.93,	8.0							
245 deg:	86.09,	8.0	149.67,	10.0	153.55,	8.0	199.95,	10.0
250 deg:	111.81, 130.64,	8.0 10.0	119.79, 130.97,	5.0 8.0	120.42, 131.61,	10.0 10.0	121.39, 173.16,	8.0 8.0
200.38,	10.0							
255 deg:	108.61,	8.0	120.07,	5.0	200.06,	8.0		
260 deg:	104.30,	8.0	120.30,	5.0	199.92,	8.0		
265 deg:	100.29,	8.0	124.81,	5.0	199.78,	8.0		
270 deg:	96.43,	8.0	131.56,	5.0	192.42,	8.0	199.85,	10.0
275 deg:	46.55, 148.06,	8.0 8.0	77.73, 200.12,	15.0 10.0	92.61,	8.0	136.56,	5.0
280 deg:	40.99,	8.0	92.26,	15.0	143.33,	5.0	199.80,	10.0
285 deg:	36.12,	8.0	86.35,	15.0	149.99,	5.0	199.80,	10.0
290 deg:	32.79,	8.0	83.45,	15.0	156.07,	5.0	199.86,	10.0
295 deg:	34.83, 133.69,	8.0 5.0	82.11, 134.92,	15.0 8.0	130.87, 135.91,	5.0 5.0	132.09, 137.13,	8.0 8.0
138.12,	5.0							
300 deg:	145.37, 39.35,	8.0 8.0	168.09, 82.63,	5.0 15.0	195.81, 115.95,	10.0 5.0	200.22, 129.63,	5.0 10.0
305 deg:	154.18, 45.65,	8.0 8.0	199.52, 79.93,	5.0 15.0	107.08,	5.0	128.79,	10.0
310 deg:	155.35, 50.12,	8.0 8.0	200.24, 80.04,	5.0 15.0				
315 deg:	154.44, 48.40,	8.0 8.0	199.88, 74.80,	5.0 15.0	80.26,	8.0	97.30,	5.0
320 deg:	126.35, 47.04,	10.0 8.0	153.59, 73.87,	8.0 15.0	197.25, 95.68,	5.0 8.0	199.97, 126.73,	4.0 10.0
325 deg:	152.32, 46.46,	8.0 8.0	186.24, 73.52,	5.0 15.0	199.57, 94.09,	4.0 8.0	200.01, 129.47,	10.0 10.0

WLVL Conductivity Tabulation.TXT

330 deg:	152.27, 46.19,	8.0 8.0	181.87, 73.76,	5.0 15.0	200.07, 94.35,	10.0 8.0	136.29,	10.0
335 deg:	151.17, 45.96,	8.0 8.0	185.78, 74.57,	5.0 15.0	199.83, 95.03,	4.0 8.0	193.85,	5.0
340 deg:	200.00, 46.38,	4.0 8.0	74.83,	15.0	97.60,	8.0	197.53,	5.0
345 deg:	199.50, 46.04,	4.0 8.0	74.80,	15.0	100.69,	8.0	196.86,	5.0
350 deg:	199.71, 46.99,	4.0 8.0	75.29,	15.0	103.48,	8.0	190.18,	5.0
355 deg:	199.53, 48.39,	4.0 8.0	76.25,	15.0	106.94,	8.0	183.26,	5.0
	199.99,	4.0						

WKSN Conductivity Tabulation.TXT

GROUND CONDUCTIVITY REPORT - WKSN, Jamestown, NY

Lat : 42-05-46.0 N 1340 kHz, 0.5kw-D, 1.0kw-N, U  
 Lon : 79-14-58.0 W  
 Radius : 200

\* Includes measured conductivity data. Inverse field: 241.00 mv/m/kw

0 deg:	0.50,	0.1*	1.00,	1.5*	2.00,	4.0*	3.40,	8.0*
125.51,	20.00,	3.0*	41.40,	2.5*	69.92,	8.0	86.60,	10.0
	8.0							
5 deg:	179.25,	15.0	199.63,	8.0				
	0.50,	0.1*	1.00,	1.5*	2.00,	4.0*	3.40,	8.0*
130.65,	20.00,	3.0*	41.40,	2.5*	73.94,	8.0	87.84,	10.0
	8.0							
10 deg:	136.25,	15.0	156.67,	8.0	191.11,	15.0	200.40,	8.0
	9.00,	3.0*	22.00,	2.0*	50.00,	1.5*		
199.97,	78.52,	8.0	86.97,	10.0	166.08,	8.0	199.06,	15.0
	8.0							
15 deg:	9.00,	3.0*	22.00,	2.0*	50.00,	1.5*	84.82,	8.0
	90.72,	10.0	177.02,	8.0	200.24,	15.0		
20 deg:	9.00,	3.0*	22.00,	2.0*	50.00,	1.5*	182.19,	8.0
	199.92,	15.0						
25 deg:	9.00,	3.0*	22.00,	2.0*	50.00,	1.5*	51.62,	4.0
	190.15,	8.0	200.25,	15.0				
30 deg:	1.20,	5.0*	2.20,	3.0*	44.00,	2.0*	57.10,	1.5*
	62.64,	4.0	199.38,	8.0				
	200.18,	15.0						
35 deg:	1.20,	5.0*	2.20,	3.0*	44.00,	2.0*	57.10,	1.5*
	92.39,	4.0	199.79,	8.0				
40 deg:	1.20,	5.0*	2.20,	3.0*	44.00,	2.0*	57.10,	1.5*
	107.13,	4.0	200.18,	8.0				
45 deg:	1.20,	5.0*	2.20,	3.0*	44.00,	2.0*	57.10,	1.5*
	113.65,	4.0	200.26,	8.0				
50 deg:	13.00,	3.0*	30.00,	2.5*	48.30,	1.5*		
	118.15,	4.0	178.42,	8.0				
	199.71,	4.0						
55 deg:	13.00,	3.0*	30.00,	2.5*	48.30,	1.5*	123.00,	4.0
	165.24,	8.0	199.71,	4.0				
60 deg:	13.00,	3.0*	30.00,	2.5*	48.30,	1.5*	132.16,	4.0
	149.90,	8.0	200.18,	4.0				
65 deg:	13.00,	3.0*	30.00,	2.5*	48.30,	1.5*	200.00,	4.0
70 deg:	13.00,	3.0*	30.00,	2.5*	48.30,	1.5*	200.07,	4.0
75 deg:	200.05,	4.0						
80 deg:	200.06,	4.0						
85 deg:	200.31,	4.0						
90 deg:	200.08,	4.0						
95 deg:	199.91,	4.0						
100 deg:	199.96,	4.0						
105 deg:	199.98,	4.0						
110 deg:	200.17,	4.0						
115 deg:	198.96,	4.0	200.20,	2.0				
120 deg:	148.47,	4.0	153.00,	2.0	153.47,	4.0	199.90,	2.0
125 deg:	112.69,	4.0	113.26,	2.0	115.46,	4.0	200.10,	2.0
130 deg:	92.34,	4.0	200.05,	2.0				
135 deg:	78.67,	4.0	79.16,	2.0	80.30,	4.0	200.40,	2.0
140 deg:	68.04,	4.0	190.18,	2.0	190.62,	4.0	191.34,	2.0
	194.10,	4.0	197.15,	2.0	197.59,	4.0	199.91,	2.0
145 deg:	59.23,	4.0	173.82,	2.0	199.73,	4.0		
150 deg:	52.83,	4.0	176.23,	2.0	199.86,	4.0		
155 deg:	47.51,	4.0	186.18,	2.0	200.32,	4.0		
160 deg:	43.94,	4.0	198.31,	2.0	200.30,	4.0		
165 deg:	41.80,	4.0	199.78,	2.0				

WKSN Conductivity Tabulation.TXT

170 deg:	38.17,	4.0	199.84,	2.0				
175 deg:	36.79,	4.0	188.33,	2.0	200.45,	4.0		
180 deg:	35.70,	4.0	169.12,	2.0	199.69,	4.0		
185 deg:	34.89,	4.0	154.86,	2.0	200.45,	4.0		
190 deg:	34.30,	4.0	143.40,	2.0	199.86,	4.0		
195 deg:	33.06,	4.0	135.65,	2.0	199.80,	4.0		
200 deg:	32.98,	4.0	129.71,	2.0	200.33,	4.0		
205 deg:	33.16,	4.0	125.17,	2.0	200.36,	4.0		
210 deg:	34.74,	4.0	122.05,	2.0	199.90,	4.0		
215 deg:	36.57,	4.0	92.03,	2.0	178.12,	8.0	199.78,	4.0
220 deg:	40.22,	4.0	74.32,	2.0	199.97,	8.0		
225 deg:	45.07,	4.0	45.56,	2.0	47.84,	4.0	57.32,	2.0
	200.46,	8.0						
230 deg:	58.50,	4.0	200.12,	8.0				
235 deg:	63.39,	4.0	199.61,	8.0				
240 deg:	70.42,	4.0	199.98,	8.0				
245 deg:	78.68,	4.0	199.66,	8.0				
250 deg:	88.37,	4.0	200.25,	8.0				
255 deg:	97.12,	4.0	200.07,	8.0				
260 deg:	85.39,	4.0	200.05,	8.0				
265 deg:	76.03,	4.0	200.00,	8.0				
270 deg:	69.49,	4.0	189.83,	8.0	200.17,	10.0		
275 deg:	64.16,	4.0	160.57,	8.0	199.72,	10.0		
280 deg:	60.07,	4.0	126.70,	8.0	200.15,	10.0		
285 deg:	56.16,	4.0	103.64,	8.0	196.60,	10.0	200.14,	8.0
290 deg:	52.02,	4.0	89.62,	8.0	180.65,	10.0	200.16,	8.0
295 deg:	47.02,	4.0	79.20,	8.0	149.90,	10.0	200.08,	8.0
300 deg:	33.57,	4.0	34.16,	8.0	35.82,	4.0	37.01,	8.0
	37.47,	4.0	72.95,	8.0	108.97,	10.0	199.67,	8.0
305 deg:	27.88,	4.0	29.01,	8.0	29.54,	4.0	67.57,	8.0
	108.25,	10.0	108.81,	8.0	109.90,	10.0	199.78,	8.0
310 deg:	1.00,	0.1*	2.00,	1.0*	13.00,	2.0*	38.10,	1.5*
	64.32,	8.0	109.43,	10.0	187.24,	8.0	199.78,	10.0
315 deg:	1.00,	0.1*	2.00,	1.0*	13.00,	2.0*	38.10,	1.5*
	62.14,	8.0	108.69,	10.0	176.13,	8.0	200.33,	10.0
320 deg:	1.00,	0.1*	2.00,	1.0*	13.00,	2.0*	38.10,	1.5*
	60.95,	8.0	102.16,	10.0	108.78,	5.0	169.50,	8.0
200.24,	10.0							
325 deg:	1.00,	0.1*	2.00,	1.0*	13.00,	2.0*	38.10,	1.5*
	59.49,	8.0	97.80,	10.0	106.23,	8.0	162.06,	5.0
162.81,	8.0							
	163.20,	5.0	166.64,	8.0	199.84,	10.0		
330 deg:	1.00,	0.1*	2.00,	1.0*	13.00,	2.0*	38.10,	1.5*
	59.25,	8.0	95.73,	10.0				
	117.55,	8.0	200.22,	5.0				
335 deg:	11.00,	3.0*	29.00,	2.0*	40.40,	2.5*	59.82,	8.0
	92.45,	10.0	92.74,	8.0	93.57,	10.0	128.42,	8.0
196.07,	5.0							
	200.28,	8.0						
340 deg:	11.00,	3.0*	29.00,	2.0*	40.40,	2.5*	59.69,	8.0
	89.30,	10.0	139.72,	8.0	140.59,	5.0	143.66,	15.0
187.26,	5.0							
	197.98,	10.0	199.95,	8.0				
345 deg:	11.00,	3.0*	29.00,	2.0*	40.40,	2.5*	59.99,	8.0
	86.81,	10.0	132.03,	8.0	148.29,	15.0	186.69,	5.0
200.09,	10.0							
350 deg:	0.50,	0.1*	1.00,	1.5*	2.00,	4.0*	3.40,	8.0*
	20.00,	3.0*	41.40,	2.5*				
	62.56,	8.0	88.02,	10.0	125.57,	8.0	163.24,	15.0
188.69,	5.0							
	199.99,	10.0						
355 deg:	0.50,	0.1*	1.00,	1.5*	2.00,	4.0*	3.40,	8.0*
	20.00,	3.0*	41.40,	2.5*	65.52,	8.0	85.08,	10.0



WKSN Conductivity Tabulation.TXT

124.14, 8.0  
172.49, 15.0 180.85, 5.0 193.89, 8.0 200.41, 10.0

WOLF Conductivity Tabulation.TXT  
 GROUND CONDUCTIVITY REPORT - WOLF, Auburn, NY

Lat : 42-57-05.0 N 1340 kHz, 1kw, U  
 Lon : 76-35-05.0 W  
 Radius : 250

0 deg:	55.44,	4.0	98.98,	8.0	104.54,	4.0	105.47,	8.0
	139.75,	15.0	250.00,	4.0				
5 deg:	59.34,	4.0	99.38,	8.0	124.47,	4.0	125.39,	8.0
	130.99,	15.0	250.05,	4.0				
10 deg:	63.79,	4.0	100.54,	8.0	250.20,	4.0		
15 deg:	66.00,	4.0	100.64,	8.0	249.63,	4.0		
20 deg:	67.82,	4.0	85.78,	8.0	249.79,	4.0		
25 deg:	250.16,	4.0						
30 deg:	250.27,	4.0						
35 deg:	250.42,	4.0						
40 deg:	250.32,	4.0						
45 deg:	249.53,	4.0						
50 deg:	250.21,	4.0						
55 deg:	250.11,	4.0						
60 deg:	249.89,	4.0						
65 deg:	243.30,	4.0	249.92,	2.0				
70 deg:	220.02,	4.0	250.30,	2.0				
75 deg:	200.77,	4.0	249.81,	2.0				
80 deg:	179.02,	4.0	249.94,	2.0				
85 deg:	170.64,	4.0	249.94,	2.0				
90 deg:	249.79,	4.0						
95 deg:	250.13,	4.0						
100 deg:	249.61,	4.0						
105 deg:	249.64,	4.0						
110 deg:	249.94,	4.0						
115 deg:	250.20,	4.0						
120 deg:	249.64,	4.0						
125 deg:	250.33,	4.0						
130 deg:	250.08,	4.0						
135 deg:	235.92,	4.0	250.01,	2.0				
140 deg:	228.91,	4.0	249.48,	2.0				
145 deg:	224.91,	4.0	249.60,	2.0				
150 deg:	222.56,	4.0	250.40,	2.0				
155 deg:	221.36,	4.0	249.90,	2.0				
160 deg:	220.63,	4.0	250.10,	2.0				
165 deg:	221.52,	4.0	250.19,	2.0				
170 deg:	213.63,	4.0	250.31,	2.0				
175 deg:	197.27,	4.0	197.33,	2.0	198.26,	4.0	250.31,	2.0
180 deg:	187.31,	4.0	250.31,	2.0				
185 deg:	183.35,	4.0	250.29,	2.0				
190 deg:	184.46,	4.0	250.27,	2.0				
195 deg:	187.08,	4.0	250.13,	2.0				
200 deg:	190.22,	4.0	250.02,	2.0				
205 deg:	191.91,	4.0	249.80,	2.0				
210 deg:	195.31,	4.0	250.28,	2.0				
215 deg:	200.10,	4.0	249.86,	2.0				
220 deg:	207.50,	4.0	249.77,	2.0				
225 deg:	216.60,	4.0	249.85,	2.0				
230 deg:	227.10,	4.0	249.91,	2.0				
235 deg:	240.72,	4.0	250.15,	2.0				
240 deg:	250.03,	4.0						
245 deg:	250.00,	4.0						
250 deg:	249.73,	4.0						
255 deg:	92.13,	4.0	110.67,	8.0	212.14,	4.0	213.06,	8.0
	213.72,	4.0	250.08,	8.0				
260 deg:	87.57,	4.0	125.70,	8.0	179.78,	4.0	250.06,	8.0
265 deg:	83.01,	4.0	140.43,	8.0	162.25,	4.0	211.52,	8.0

WWLF Conductivity Tabulation.TXT

	249.91,	10.0							
270 deg:	81.94,	4.0	250.24,	8.0					
275 deg:	81.47,	4.0	249.72,	8.0					
280 deg:	81.67,	4.0	212.34,	8.0	249.72,	15.0			
285 deg:	83.19,	4.0	217.99,	8.0	250.24,	15.0			
290 deg:	83.12,	4.0	201.49,	8.0	237.47,	15.0	240.94,	8.0	
	250.09,	5.0							
295 deg:	83.37,	4.0	183.52,	8.0	223.58,	15.0	249.10,	8.0	
	249.71,	10.0							
300 deg:	76.21,	4.0	155.66,	8.0	205.97,	15.0	237.09,	8.0	
	249.70,	5.0							
305 deg:	67.56,	4.0	135.07,	8.0	188.25,	15.0	227.24,	8.0	
	250.48,	5.0							
310 deg:	60.05,	4.0	120.01,	8.0	173.23,	15.0	216.01,	8.0	
	250.04,	5.0							
315 deg:	53.45,	4.0	107.89,	8.0	159.45,	15.0	162.18,	5.0	
	198.23,	8.0	249.85,	5.0					
320 deg:	49.34,	4.0	99.19,	8.0	153.20,	15.0	190.32,	5.0	
	230.33,	4.0	250.18,	5.0					
325 deg:	47.20,	4.0	92.60,	8.0	146.29,	15.0	202.14,	5.0	
	250.29,	4.0							
330 deg:	47.75,	4.0	87.52,	8.0	127.24,	15.0	210.26,	5.0	
	250.49,	4.0							
335 deg:	45.88,	4.0	82.65,	8.0	109.29,	15.0	220.45,	5.0	
	250.07,	4.0							
340 deg:	44.31,	4.0	79.79,	8.0	109.35,	15.0	237.06,	5.0	
	249.94,	4.0							
345 deg:	45.93,	4.0	77.55,	8.0	111.12,	15.0	113.08,	5.0	
	121.66,	15.0	249.57,	5.0					
350 deg:	47.89,	4.0	82.70,	8.0	127.89,	15.0	250.28,	5.0	
355 deg:	51.94,	4.0	91.92,	8.0	130.97,	15.0	176.60,	4.0	
	236.13,	5.0	250.09,	4.0					

WSPQ Conductivity Tabulation.TXT  
 GROUND CONDUCTIVITY REPORT - WSPQ, Springville, NY

Lat : 42-29-53.0 N 1330 kHz, 1kw, DA-2, U  
 Lon : 78-41-10.0 W  
 Radius : 150

\* Includes measured conductivity data

0 deg:	1.60,	0.5*	40.20,	1.5*	126.22,	8.0	150.31,	15.0
5 deg:	1.60,	0.5*	40.20,	1.5*	126.70,	8.0	149.95,	15.0
10 deg:	1.60,	0.5*	40.20,	1.5*	128.22,	8.0	149.90,	15.0
15 deg:	20.90,	2.0*	40.20,	1.75*	131.81,	8.0	150.02,	15.0
20 deg:	20.90,	2.0*	40.20,	1.75*	135.53,	8.0	150.19,	15.0
25 deg:	20.90,	2.0*	40.20,	1.75*	41.08,	4.0	140.50,	8.0
	149.76,	15.0						
30 deg:	1.30,	1.75*	15.00,	2.5*	31.00,	1.5*	56.00,	2.5*
	147.11,	8.0	150.53,	15.0				
35 deg:	1.30,	1.75*	15.00,	2.5*	31.00,	1.5*	56.00,	2.5*
	150.19,	8.0						
40 deg:	1.30,	1.75*	15.00,	2.5*	31.00,	1.5*	56.00,	2.5*
	149.88,	8.0						
45 deg:	1.30,	1.75*	15.00,	2.5*	31.00,	1.5*	56.00,	2.5*
	149.61,	8.0						
50 deg:	1.30,	1.75*	15.00,	2.5*	31.00,	1.5*	56.00,	2.5*
	121.04,	8.0	139.63,	4.0	150.00,	8.0		
55 deg:	53.58,	4.0	110.01,	8.0	149.90,	4.0		
60 deg:	1.10,	3.0*	3.20,	2.0*	6.40,	3.0*	9.70,	2.0*
	25.70,	2.5*	56.12,	4.0	103.59,	8.0	149.89,	4.0
65 deg:	1.10,	3.0*	3.20,	2.0*	6.40,	3.0*	9.70,	2.0*
	25.70,	2.5*	59.69,	4.0	96.77,	8.0	97.77,	4.0
98.39,	8.0							
	149.80,	4.0						
70 deg:	1.10,	3.0*	3.20,	2.0*	6.40,	3.0*	9.70,	2.0*
	25.70,	2.5*	65.57,	4.0	89.21,	8.0	90.16,	4.0
90.81,	8.0							
	150.43,	4.0						
75 deg:	1.10,	3.0*	3.20,	2.0*	6.40,	3.0*	9.70,	2.0*
	25.70,	2.5*	75.58,	4.0	78.45,	8.0	80.00,	4.0
80.66,	8.0							
	150.04,	4.0						
80 deg:	1.10,	3.0*	3.20,	2.0*	6.40,	3.0*	9.70,	2.0*
	25.70,	2.0*	150.18,	4.0				
85 deg:	150.13,	4.0						
90 deg:	149.85,	4.0						
95 deg:	150.01,	4.0						
100 deg:	149.94,	4.0						
105 deg:	150.35,	4.0						
110 deg:	149.65,	4.0						
115 deg:	150.06,	4.0						
120 deg:	149.90,	4.0						
125 deg:	149.68,	4.0						
130 deg:	150.04,	4.0						
135 deg:	150.48,	4.0						
140 deg:	150.24,	4.0						
145 deg:	147.20,	4.0	149.51,	2.0				
150 deg:	132.94,	4.0	149.95,	2.0				
155 deg:	124.17,	4.0	149.86,	2.0				
160 deg:	116.03,	4.0	150.31,	2.0				
165 deg:	110.07,	4.0	150.18,	2.0				
170 deg:	105.13,	4.0	150.25,	2.0				
175 deg:	101.13,	4.0	150.41,	2.0				
180 deg:	97.99,	4.0	149.88,	2.0				
185 deg:	95.55,	4.0	150.43,	2.0				

WSPQ Conductivity Tabulation.TXT

190 deg:	93.86,	4.0	150.29,	2.0				
195 deg:	92.77,	4.0	150.24,	2.0				
200 deg:	91.50,	4.0	150.39,	2.0				
205 deg:	92.67,	4.0	149.67,	2.0				
210 deg:	92.52,	4.0	150.06,	2.0				
215 deg:	93.41,	4.0	149.64,	2.0				
220 deg:	97.35,	4.0	149.94,	2.0				
225 deg:	107.49,	4.0	127.57,	2.0	128.24,	8.0	128.72,	2.0
	150.16,	8.0						
230 deg:	125.78,	4.0	149.69,	8.0				
235 deg:	136.56,	4.0	149.87,	8.0				
240 deg:	149.50,	4.0	149.50,	8.0				
245 deg:	52.51,	4.0	52.90,	8.0	54.14,	4.0	55.16,	8.0
	55.78,	4.0	68.69,	8.0	146.35,	4.0	150.26,	8.0
250 deg:	42.69,	4.0	79.33,	8.0	79.97,	4.0	80.61,	8.0
	119.56,	4.0	119.89,	8.0	121.17,	4.0	149.87,	8.0
255 deg:	35.80,	4.0	88.58,	8.0	89.24,	4.0	149.91,	8.0
260 deg:	31.66,	4.0	150.17,	8.0				
265 deg:	28.58,	4.0	114.46,	8.0	150.24,	10.0		
270 deg:	25.73,	4.0	89.95,	8.0	150.08,	10.0		
275 deg:	24.45,	4.0	76.54,	8.0	132.60,	10.0	149.68,	8.0
280 deg:	21.31,	4.0	66.27,	8.0	133.16,	10.0	149.73,	8.0
285 deg:	21.06,	4.0	61.25,	8.0	127.15,	10.0	150.26,	8.0
290 deg:	20.04,	4.0	57.15,	8.0	107.61,	10.0	114.00,	8.0
	124.84,	5.0	150.01,	8.0				
295 deg:	24.10,	1.5*	30.60,	0.5*	54.41,	8.0	93.50,	10.0
	94.12,	8.0	95.12,	10.0	118.11,	8.0	134.99,	5.0
150.00,	8.0							
300 deg:	24.10,	1.5*	30.60,	0.5*	52.44,	8.0	74.49,	10.0
	75.67,	8.0	76.72,	10.0	120.27,	8.0	150.09,	5.0
305 deg:	24.10,	1.5*	30.60,	0.5*	50.47,	8.0	69.66,	10.0
	70.22,	8.0	71.30,	10.0	74.06,	8.0	74.59,	10.0
122.75,	8.0							
	149.52,	5.0						
310 deg:	1.10,	1.5*	3.20,	3.5*	16.10,	2.0*	24.90,	1.5*
	24.90,	1.5*	30.60,	0.5*	47.81,	8.0	63.73,	10.0
125.06,	8.0							
	150.17,	5.0						
315 deg:	1.10,	1.5*	3.20,	3.5*	16.10,	2.0*	24.90,	1.5*
	46.05,	8.0	58.20,	10.0	118.49,	8.0	118.97,	15.0
120.10,	8.0							
	130.59,	15.0	149.77,	5.0				
320 deg:	1.10,	1.5*	3.20,	3.5*	16.10,	2.0*	24.90,	1.5*
	45.11,	8.0	50.85,	10.0	103.13,	8.0	130.02,	15.0
150.03,	5.0							
325 deg:	1.10,	1.5*	3.20,	3.5*	16.10,	2.0*	24.90,	1.5*
	44.50,	8.0	51.00,	10.0	95.36,	8.0	134.31,	15.0
150.33,	5.0							
330 deg:	19.30,	1.5*	35.40,	0.5*	45.01,	8.0	49.58,	10.0
	92.51,	8.0	138.45,	15.0	150.30,	5.0		
335 deg:	19.30,	1.5*	35.40,	0.5*	47.36,	8.0	48.20,	10.0
	93.44,	8.0	140.60,	15.0	149.85,	5.0		
340 deg:	19.30,	1.5*	35.40,	0.5*	114.80,	8.0	141.52,	15.0
	150.27,	8.0						
345 deg:	19.30,	1.5*	35.40,	0.5*	116.33,	8.0	145.08,	15.0
	149.91,	8.0						
350 deg:	1.60,	0.5*	40.20,	1.5*				
	118.79,	8.0	148.91,	15.0	149.83,	8.0		
355 deg:	1.60,	0.5*	40.20,	1.5*	122.05,	8.0	149.97,	15.0

\* Measured conductivity taken from October 1983 cp application BP-19840301AH, April 1986 license to cover BL-19860408AC and September 1987 minor change cp application BP-19870923AD.

CKAR Conductivity Tabulation.TXT  
 GROUND CONDUCTIVITY REPORT - CKAR, Oshawa, ON

Lat : 43-52-19.0 N 1350 kHz, 10kw-D, 5kw-N, DA-2, U  
 Lon : 78-45-54.0 W  
 Radius : 250

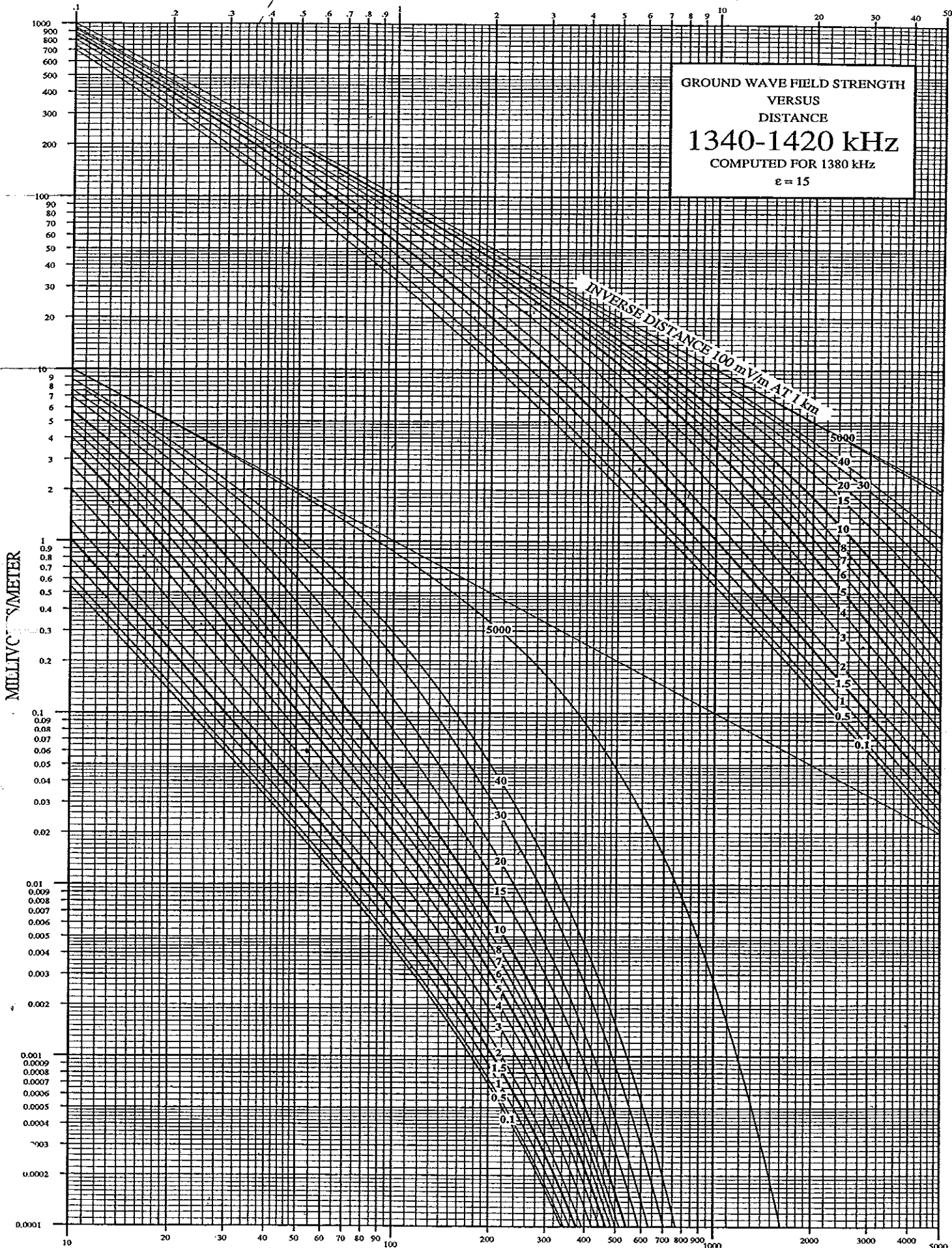
0 deg:	31.84,	8.0	100.40,	5.0	130.98,	4.0	249.57,	1.0
5 deg:	32.86,	8.0	32.92,	5.0	33.85,	8.0	97.07,	5.0
	130.58,	4.0	249.63,	1.0				
10 deg:	34.20,	8.0	89.76,	5.0	132.07,	4.0	249.84,	1.0
15 deg:	35.82,	8.0	83.82,	5.0	134.66,	4.0	250.11,	1.0
20 deg:	37.91,	8.0	76.40,	5.0	142.60,	4.0	250.38,	1.0
25 deg:	40.32,	8.0	69.99,	5.0	164.18,	4.0	215.80,	1.0
	230.29,	4.0	249.79,	5.0				
30 deg:	43.31,	8.0	63.87,	5.0	227.10,	4.0	250.10,	5.0
35 deg:	45.46,	8.0	58.38,	5.0	228.28,	4.0	250.14,	5.0
40 deg:	47.55,	8.0	53.66,	5.0	114.66,	4.0	194.10,	5.0
	236.25,	4.0	249.90,	5.0				
45 deg:	51.60,	8.0	75.59,	4.0	200.47,	5.0	248.49,	4.0
	250.07,	5.0						
50 deg:	52.18,	8.0	67.29,	4.0	202.90,	5.0	249.99,	4.0
55 deg:	55.27,	8.0	62.84,	4.0	197.86,	5.0	250.31,	4.0
60 deg:	58.28,	8.0	59.89,	4.0	185.62,	5.0	250.44,	4.0
65 deg:	58.54,	8.0	174.07,	5.0	249.96,	4.0		
70 deg:	59.29,	8.0	164.02,	5.0	249.65,	4.0		
75 deg:	60.51,	8.0	160.78,	5.0	249.97,	4.0		
80 deg:	14.72,	8.0	15.54,	15.0	18.82,	8.0	20.96,	15.0
	22.27,	8.0	43.29,	15.0	45.92,	8.0	48.70,	15.0
61.51,	8.0							
	74.31,	5.0	76.43,	15.0	77.75,	5.0	96.61,	15.0
157.24,	5.0							
	184.24,	15.0	250.01,	4.0				
85 deg:	7.22,	8.0	9.30,	15.0	11.29,	8.0	102.29,	15.0
	140.41,	5.0	181.17,	15.0	182.50,	8.0	249.91,	4.0
90 deg:	7.22,	8.0	123.45,	15.0	134.14,	5.0	172.23,	15.0
	198.97,	4.0	199.64,	8.0	249.77,	4.0		
95 deg:	3.92,	8.0	165.18,	15.0	204.97,	8.0	250.22,	4.0
100 deg:	3.92,	8.0	151.80,	15.0	202.51,	8.0	249.81,	4.0
105 deg:	3.92,	8.0	102.01,	15.0	179.56,	8.0	249.96,	4.0
110 deg:	3.55,	8.0	75.61,	15.0	172.00,	8.0	249.77,	4.0
115 deg:	2.96,	8.0	61.44,	15.0	148.80,	8.0	249.78,	4.0
120 deg:	2.41,	8.0	51.98,	15.0	128.04,	8.0	249.83,	4.0
125 deg:	2.41,	8.0	45.81,	15.0	121.48,	8.0	249.60,	4.0
130 deg:	1.93,	8.0	42.16,	15.0	126.81,	8.0	250.12,	4.0
135 deg:	1.93,	8.0	38.72,	15.0	136.48,	8.0	250.25,	4.0
140 deg:	1.93,	8.0	35.57,	15.0	146.42,	8.0	249.90,	4.0
145 deg:	1.60,	8.0	33.17,	15.0	155.04,	8.0	249.80,	4.0
150 deg:	1.60,	8.0	31.74,	15.0	154.10,	8.0	249.62,	4.0
155 deg:	1.60,	8.0	30.20,	15.0	140.31,	8.0	250.12,	4.0
160 deg:	1.60,	8.0	29.19,	15.0	125.60,	8.0	125.82,	4.0
	127.57,	8.0	249.59,	4.0				
165 deg:	1.60,	8.0	28.39,	15.0	120.42,	8.0	249.75,	4.0
170 deg:	1.60,	8.0	27.83,	15.0	119.15,	8.0	249.79,	4.0
175 deg:	1.52,	8.0	28.50,	15.0	126.11,	8.0	249.83,	4.0
180 deg:	1.52,	8.0	30.24,	15.0	136.78,	8.0	248.89,	4.0
	249.82,	2.0						
185 deg:	1.52,	8.0	31.29,	15.0	148.47,	8.0	241.42,	4.0
	249.79,	2.0						
190 deg:	1.52,	8.0	33.47,	15.0	114.40,	8.0	119.99,	10.0
	166.12,	8.0	236.58,	4.0	249.72,	2.0		
195 deg:	1.52,	8.0	1.71,	15.0	2.57,	8.0	35.07,	15.0
	117.63,	8.0	129.07,	10.0	186.48,	8.0	235.33,	4.0
249.65,	2.0							

CKAR Conductivity Tabulation.TXT								
200 deg:	2.57,	8.0	38.03,	15.0	117.79,	8.0	144.32,	10.0
	192.60,	8.0	249.46,	4.0	249.46,	8.0		
205 deg:	2.57,	8.0	42.66,	15.0	67.08,	8.0	76.06,	15.0
	124.11,	8.0	160.67,	10.0	196.42,	8.0	250.23,	4.0
210 deg:	2.85,	8.0	47.60,	15.0	62.87,	8.0	85.92,	15.0
	86.26,	8.0	87.06,	15.0	130.80,	8.0	131.94,	20.0
180.78,	10.0							
	242.08,	8.0	249.76,	4.0				
215 deg:	2.85,	8.0	54.67,	15.0	59.63,	8.0	90.94,	15.0
	137.97,	8.0	200.81,	10.0	249.96,	8.0		
220 deg:	3.24,	8.0	97.04,	15.0	155.77,	8.0	186.92,	10.0
	188.07,	8.0	222.29,	10.0	250.08,	8.0		
225 deg:	3.24,	8.0	101.29,	15.0	142.35,	8.0	156.76,	5.0
	201.83,	8.0	250.44,	10.0				
230 deg:	3.72,	8.0	105.15,	15.0	119.39,	8.0	150.63,	5.0
	211.14,	8.0	250.32,	10.0				
235 deg:	3.72,	8.0	94.44,	15.0	94.98,	5.0	95.53,	15.0
	96.62,	5.0	97.16,	15.0	149.00,	5.0	231.70,	8.0
249.82,	10.0							
240 deg:	4.24,	8.0	5.39,	15.0	6.43,	8.0	80.67,	15.0
	148.46,	5.0	250.06,	8.0				
245 deg:	7.01,	8.0	41.36,	15.0	42.36,	8.0	42.97,	15.0
	43.97,	8.0	44.57,	15.0	56.25,	8.0	61.68,	5.0
62.89,	15.0							
	146.82,	5.0	244.95,	8.0	245.97,	15.0	246.58,	8.0
250.03,	15.0							
250 deg:	8.82,	8.0	9.44,	15.0	11.64,	8.0	12.90,	15.0
	13.85,	8.0	15.72,	15.0	17.30,	8.0	18.55,	15.0
19.50,	8.0							
	24.22,	15.0	25.16,	8.0	25.79,	15.0	57.27,	8.0
146.29,	5.0							
	218.55,	10.0	250.02,	15.0				
255 deg:	58.37,	8.0	145.60,	5.0	208.65,	10.0	250.22,	15.0
260 deg:	59.93,	8.0	76.89,	5.0	78.38,	10.0	79.03,	5.0
	114.46,	10.0	119.89,	8.0	144.47,	5.0	203.43,	10.0
243.30,	15.0							
	250.07,	10.0						
265 deg:	57.83,	8.0	105.53,	10.0	132.44,	8.0	146.61,	5.0
	201.24,	10.0	239.72,	15.0	249.82,	10.0		
270 deg:	49.56,	8.0	96.99,	10.0	128.39,	8.0	154.44,	5.0
	191.87,	10.0	201.24,	5.0	238.01,	15.0	250.03,	10.0
275 deg:	43.06,	8.0	89.85,	10.0	123.31,	8.0	208.82,	5.0
	239.53,	15.0	250.17,	10.0				
280 deg:	38.13,	8.0	40.76,	5.0	83.42,	10.0	117.85,	8.0
	218.06,	5.0	232.79,	15.0	250.27,	10.0		
285 deg:	36.14,	8.0	45.64,	5.0	79.34,	10.0	110.41,	8.0
	229.83,	5.0	250.22,	10.0				
290 deg:	34.14,	8.0	52.64,	5.0	75.20,	10.0	104.92,	8.0
	185.46,	5.0	186.08,	4.0	188.89,	5.0	190.77,	4.0
191.69,	5.0							
	202.61,	4.0	202.90,	5.0	205.41,	4.0	206.33,	5.0
211.64,	4.0							
	211.93,	5.0	214.44,	4.0	215.36,	5.0	217.24,	4.0
218.79,	5.0							
	249.90,	10.0						
295 deg:	32.36,	8.0	58.78,	5.0	74.79,	10.0	98.96,	8.0
	145.62,	5.0	221.02,	4.0	249.60,	10.0		
300 deg:	31.85,	8.0	67.16,	5.0	75.34,	10.0	94.34,	8.0
	130.10,	5.0	185.85,	4.0	193.98,	10.0	209.08,	4.0
211.26,	10.0							
	234.02,	4.0	234.46,	10.0	235.03,	4.0	250.10,	10.0
305 deg:	31.16,	8.0	74.40,	5.0	76.01,	10.0	90.03,	8.0
	123.43,	5.0	212.02,	10.0	217.89,	4.0	242.52,	10.0

CKAR Conductivity Tabulation.TXT

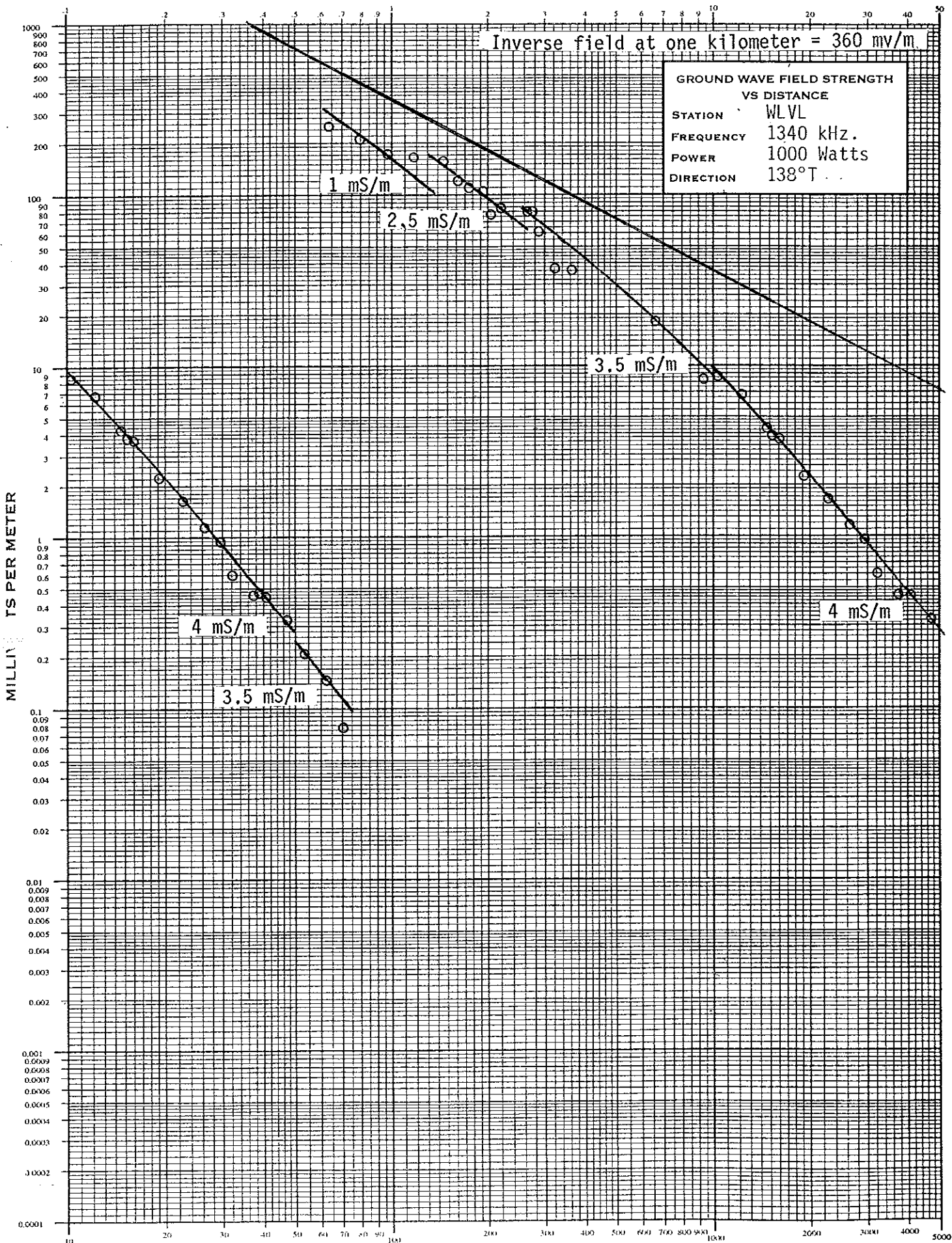
243.03,	4.0							
	243.57,	10.0	249.98,	4.0				
310 deg:	29.60,	8.0	79.38,	5.0	86.41,	8.0	120.96,	5.0
	125.79,	4.0	250.19,	10.0				
315 deg:	29.37,	8.0	122.08,	5.0	136.74,	4.0	250.26,	10.0
320 deg:	29.38,	8.0	124.31,	5.0	151.34,	4.0	250.08,	10.0
325 deg:	28.51,	8.0	125.27,	5.0	171.05,	4.0	177.85,	10.0
	225.05,	1.0	231.45,	10.0	249.91,	1.0		
330 deg:	28.22,	8.0	124.90,	5.0	164.75,	4.0	249.90,	1.0
335 deg:	28.11,	8.0	122.12,	5.0	155.08,	4.0	249.91,	1.0
340 deg:	28.81,	8.0	118.88,	5.0	147.49,	4.0	250.47,	1.0
345 deg:	29.11,	8.0	114.57,	5.0	141.50,	4.0	250.01,	1.0
350 deg:	29.57,	8.0	110.45,	5.0	136.79,	4.0	249.77,	1.0
355 deg:	31.04,	8.0	104.53,	5.0	133.37,	4.0	249.65,	1.0





KILOMETERS FROM ANTENNA  
GRAPH 17

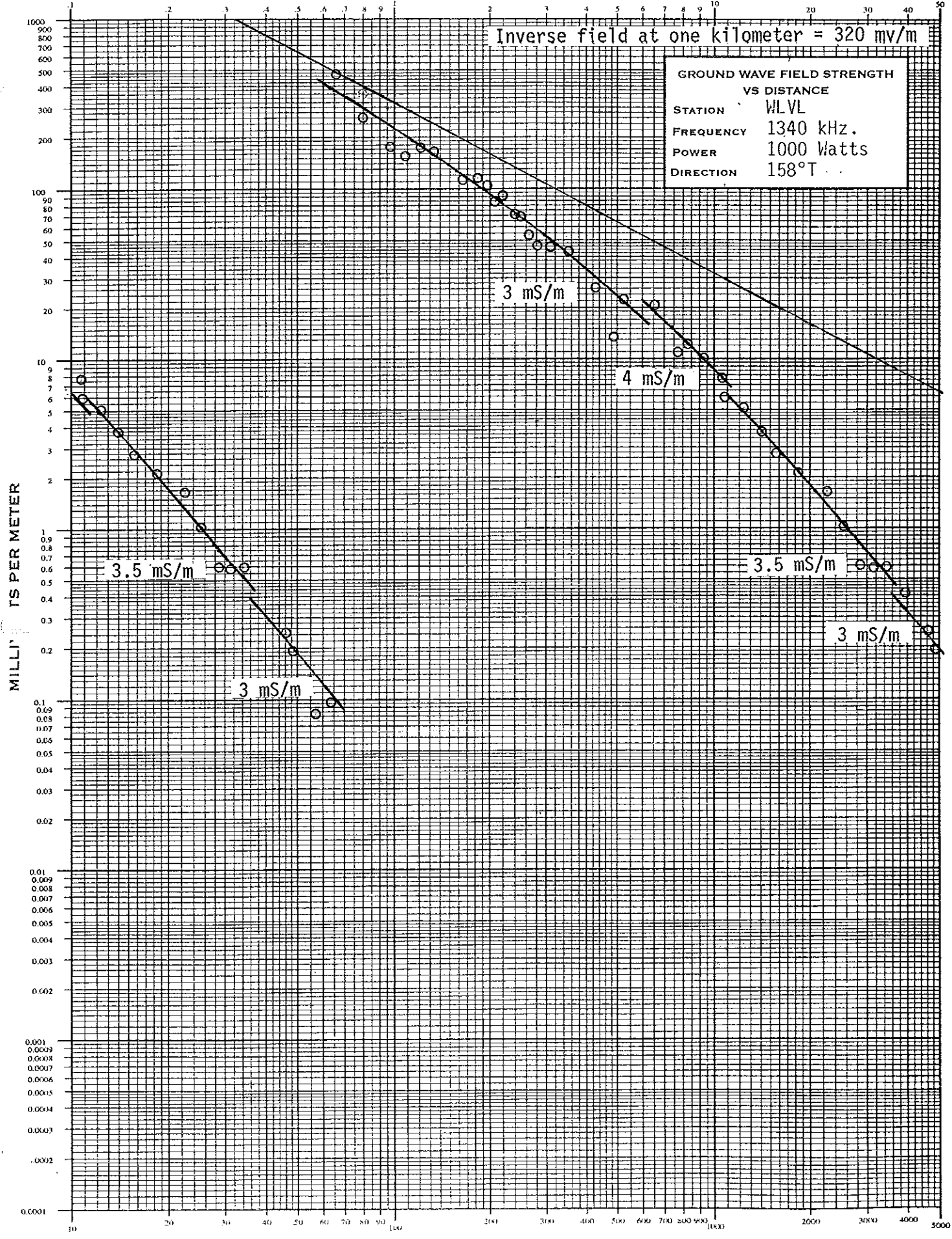




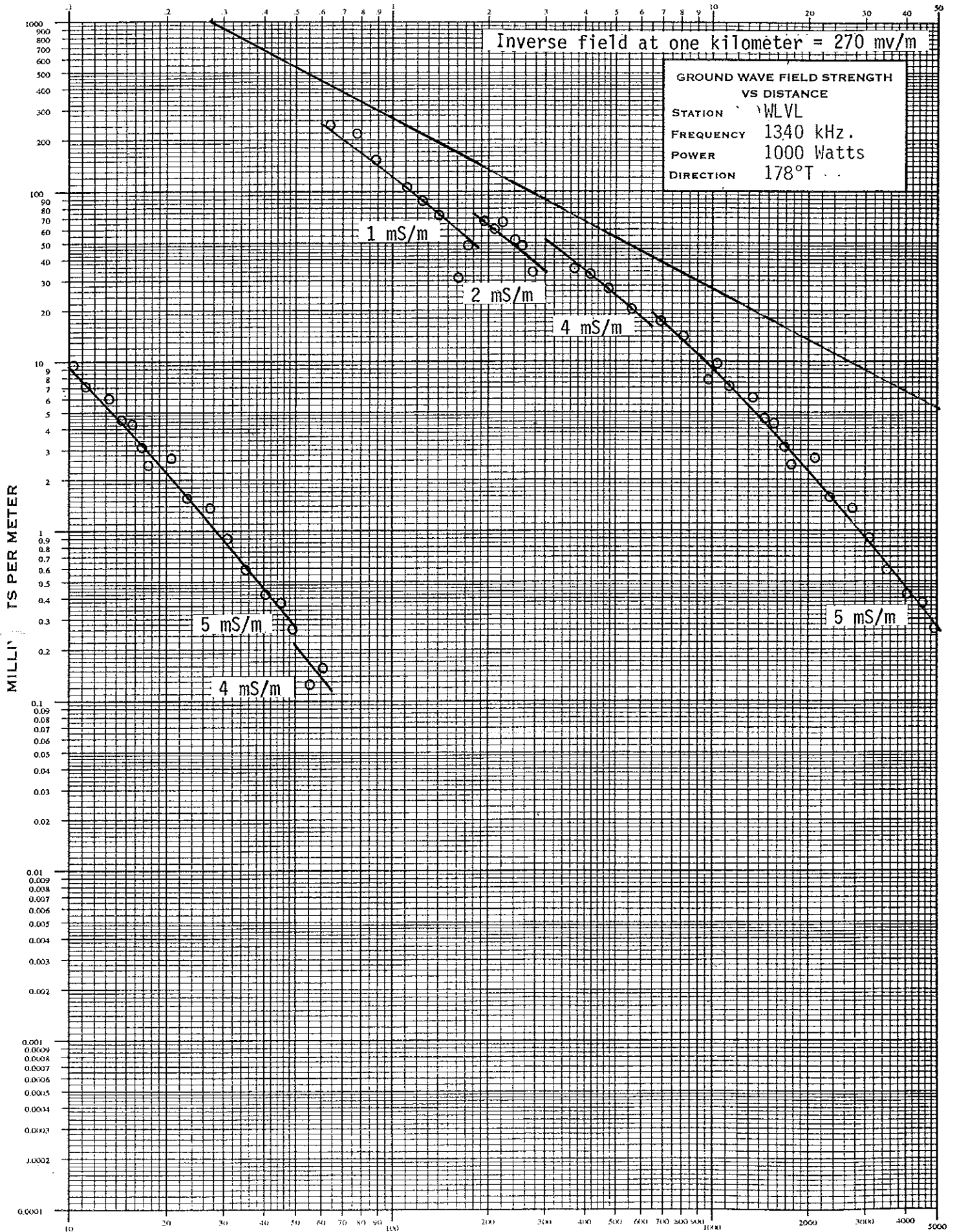


Inverse field at one kilometer = 320 mv/m

GROUND WAVE FIELD STRENGTH  
VS DISTANCE  
STATION WLVL  
FREQUENCY 1340 kHz.  
POWER 1000 Watts  
DIRECTION 158°T

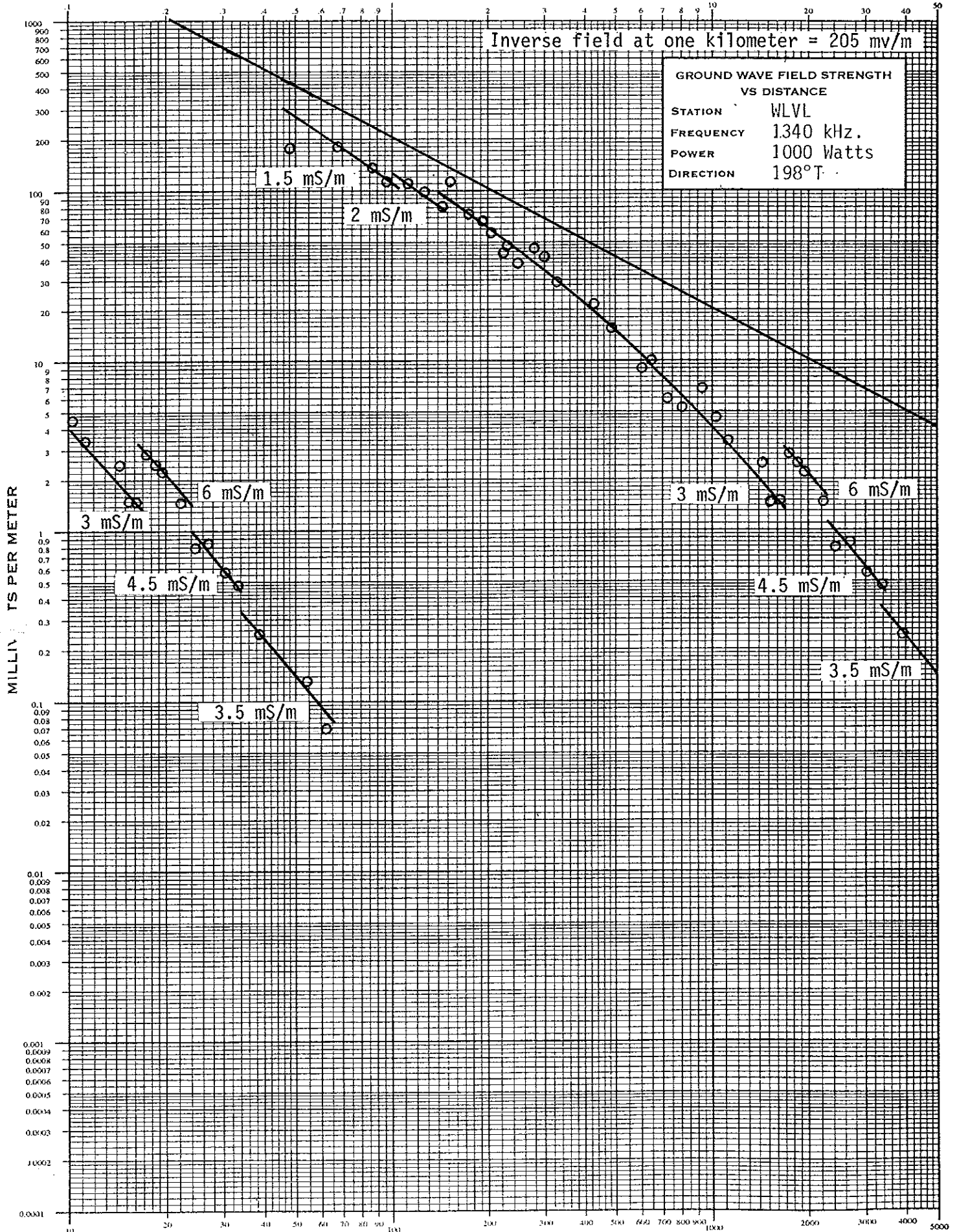




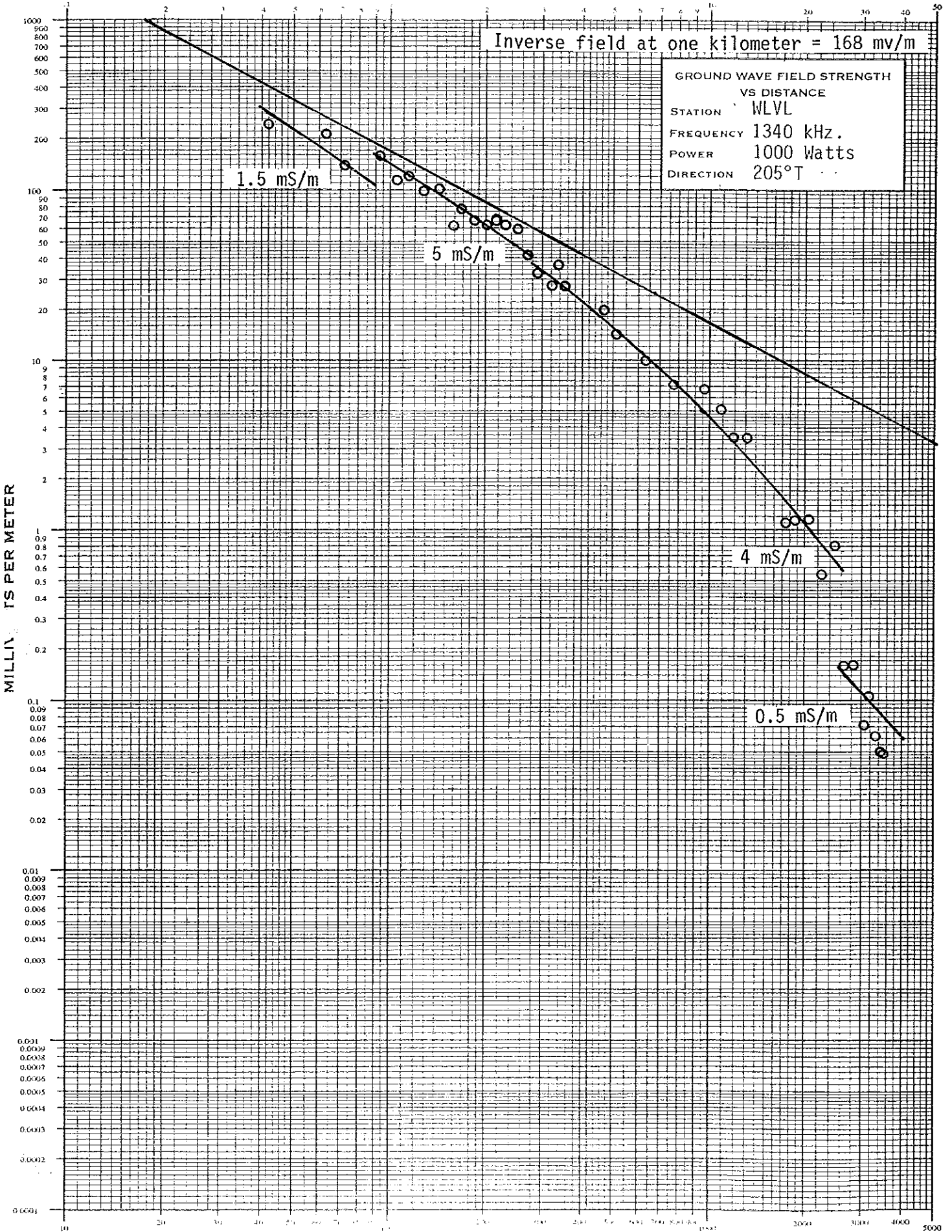




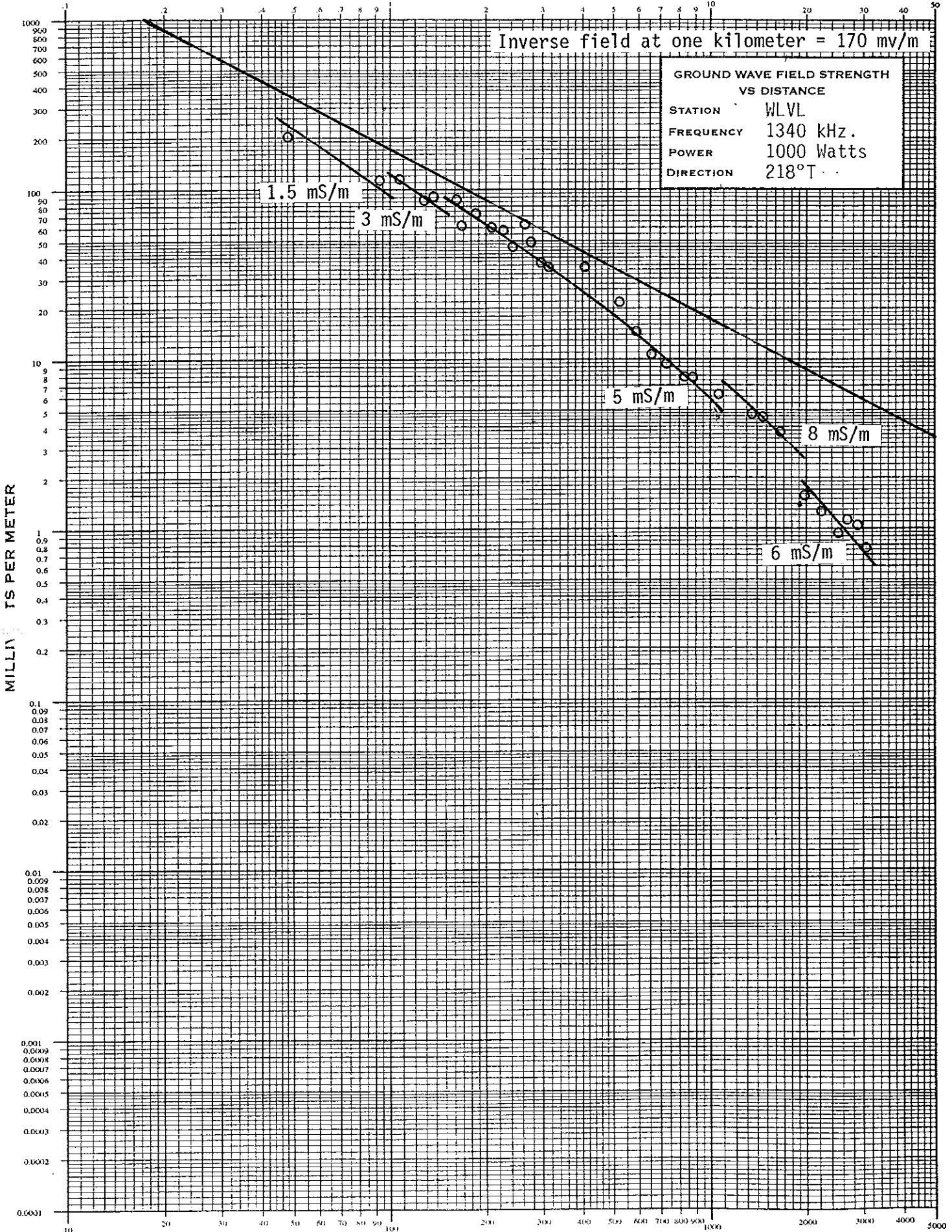




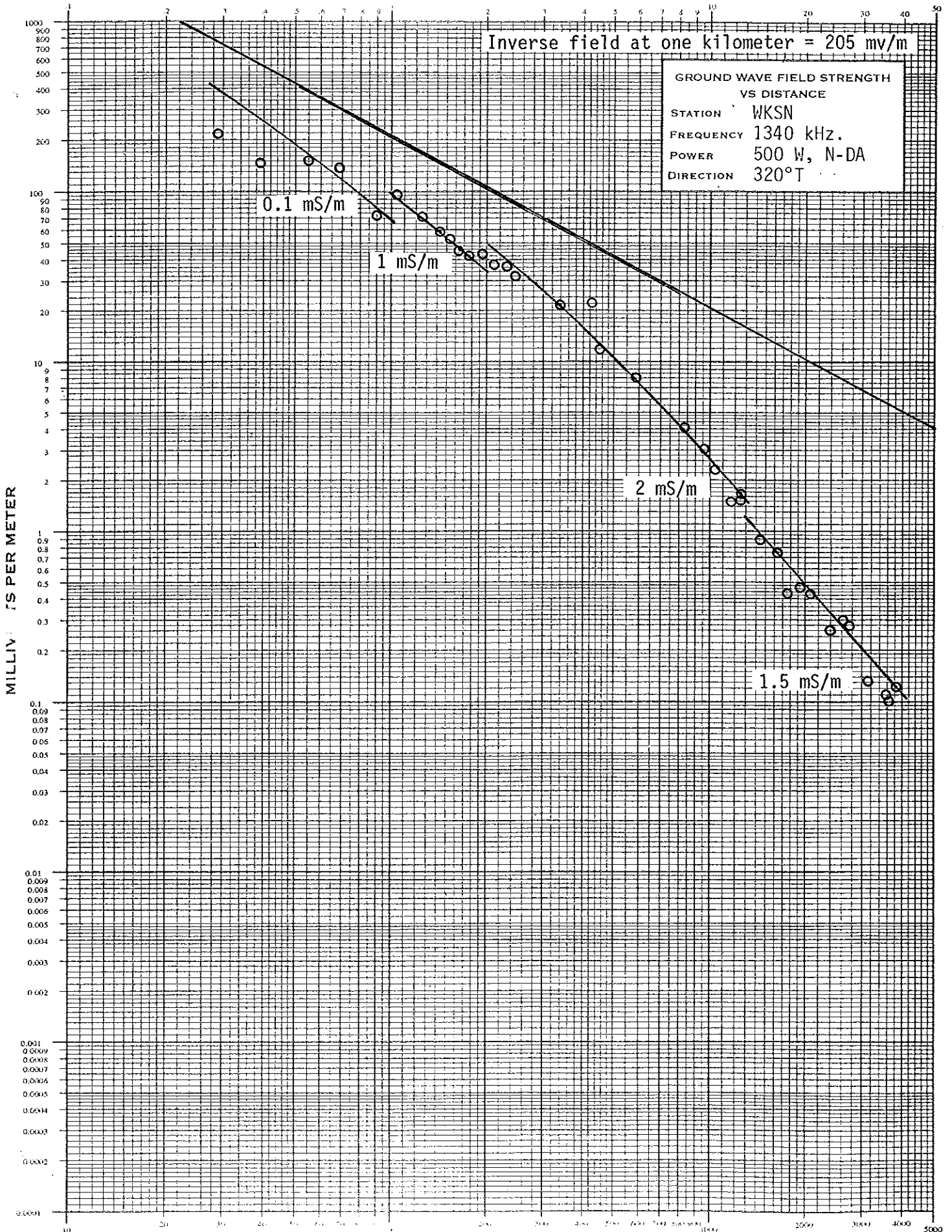














STATION/CLIENT WKSJ RADIAL 340 °T

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

POWER 500W NDA POWER \_\_\_\_\_ DA-D□ DA-N□ DA-1□

FREQUENCY 1340 KHZ ENGINEER N. Hollenbeck

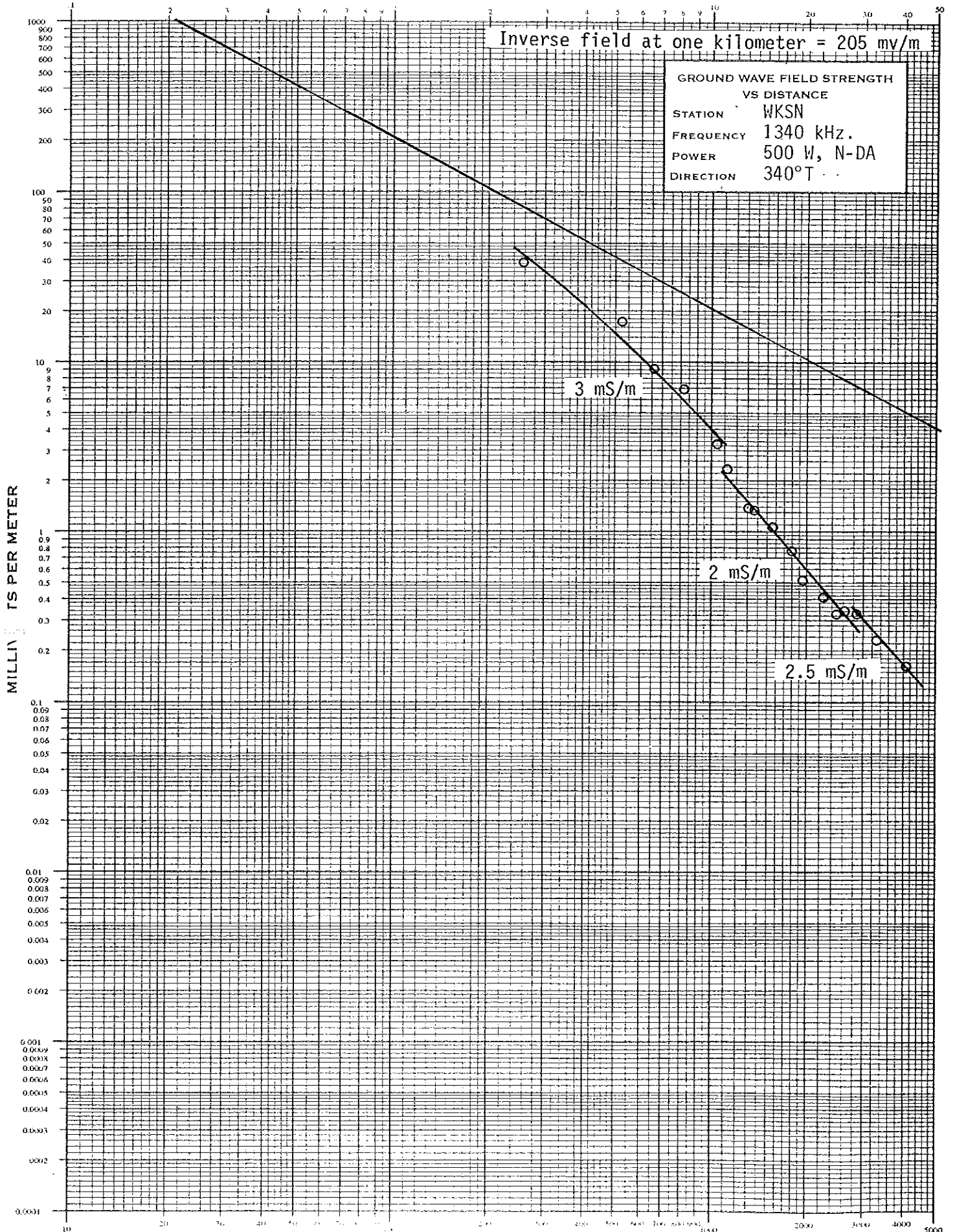
110 COUNTY RD. 146.  
TRUMANSBURG, NEW YORK 14886

FIELD INTENSITY METER FIM-41 CAL 5/31/01  
Ser. 292

POINT NO.	DISTANCE KM	NON-DA MV/M	DATE 2002	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DISTANCE MI	COMMENTS
1	2.59	38.4	15 Nov	2:58P					1.61	
2	5.26	17.3	"	2:49P					3.27	
3	6.60	9.05	"	2:42P					4.10	
4	8.19	6.90	"	2:34P					5.09	
5	10.41	3.28	"	2:25P					6.47	
6	11.10	2.38	"	2:22P					6.90	
7	13.08	1.38	"	2:12P					8.13	
8	13.68	1.33	"	2:07P					8.50	
9	15.64	1.07	"	1:58P					9.72	
10	17.99	.77	"	1:51P					11.18	
11	19.31	.51	"	1:46P					12.00	
12	22.53	.41	"	1:40P					14.00	
13	24.86	.325	"	1:34P					15.45	
14	26.07	.340	"	1:30P					16.20	
15	28.60	.325	"	1:17P					17.77	
16	33.09	.230	"	1:08P					20.56	
17	40.41	.163	"	12:44P					25.11	

Maps depicting measurement points available upon Commission request.







STATION/CLIENT WKSN RADIAL 0°T

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

POWER 500W NDA POWER \_\_\_\_\_ DA-D  DA-N  DA-1

FREQUENCY 1340 KHZ ENGINEER N. Hollenbeck

110 COUNTY RD. 146,  
TRUMANSBURG, NEW YORK 14886

FIELD INTENSITY METER FIM-41 CAL 5/31/01  
Ser. 292

POINT NO.	DISTANCE KM	NON-DA MV/M	DATE 2002	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DISTANCE MI	COMMENTS
1	.23	421.	15 Nov	7:30A					.14	
2	.32	317.	"	7:34A					.20	
3	.42	269.	"	7:39A					.26	
4	.60	203.	"	7:43A					.37	
5	.76	171.	"	8:36A					.47	
6	.89	139.	"	8:39A					.55	
7	1.00	141.	"	9:04A					.62	
8	1.24	124.	"	9:02A					.77	
9	1.43	109.	"	9:00A					.89	
10	1.61	100.	"	8:57A					1.00	
11	1.77	84.	"	8:54A					1.10	
12	1.93	90.	"	8:51A					1.20	
13	2.14	79.5	"	9:09A					1.33	
14	2.27	80.0	"	9:11A					1.41	
15	3.07	48.2	"	9:21A					1.91	
16	4.91	15.4	"	9:52A					3.05	
17	6.02	11.8	"	9:57A					3.74	
18	6.53	11.3	"	10:03A					4.06	
19	7.56	7.35	"	10:08A					4.70	
20	7.89	5.90	"	10:12A					4.90	
21	10.69	3.53	"	10:49A					6.64	
22	10.86	3.31	"	10:47A					6.75	
23	12.87	2.64	"	10:55A					8.00	
24	14.66	2.12	"	10:59A					9.11	
25	16.81	1.40	"	11:03A					10.45	
26	19.39	.96	"	11:14A					12.05	
27	20.50	.70	"	11:22A					12.74	
28	23.16	.61	"	11:28A					14.39	
29	27.28	.39	"	11:37A					16.95	
30	35.12	.205	"	11:53A					21.76	
31	41.36	.141	"	12:02P					25.70	

Maps depicting measurement points available upon Commission request.





607-273-2970

FIELD INTENSITY MEASUREMENTS

FIGURE 9D Page 1

STATION/CLIENT WKSJN RADIAL 20°T

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

POWER 500W NDA POWER          DA-D  DA-N  DA-1

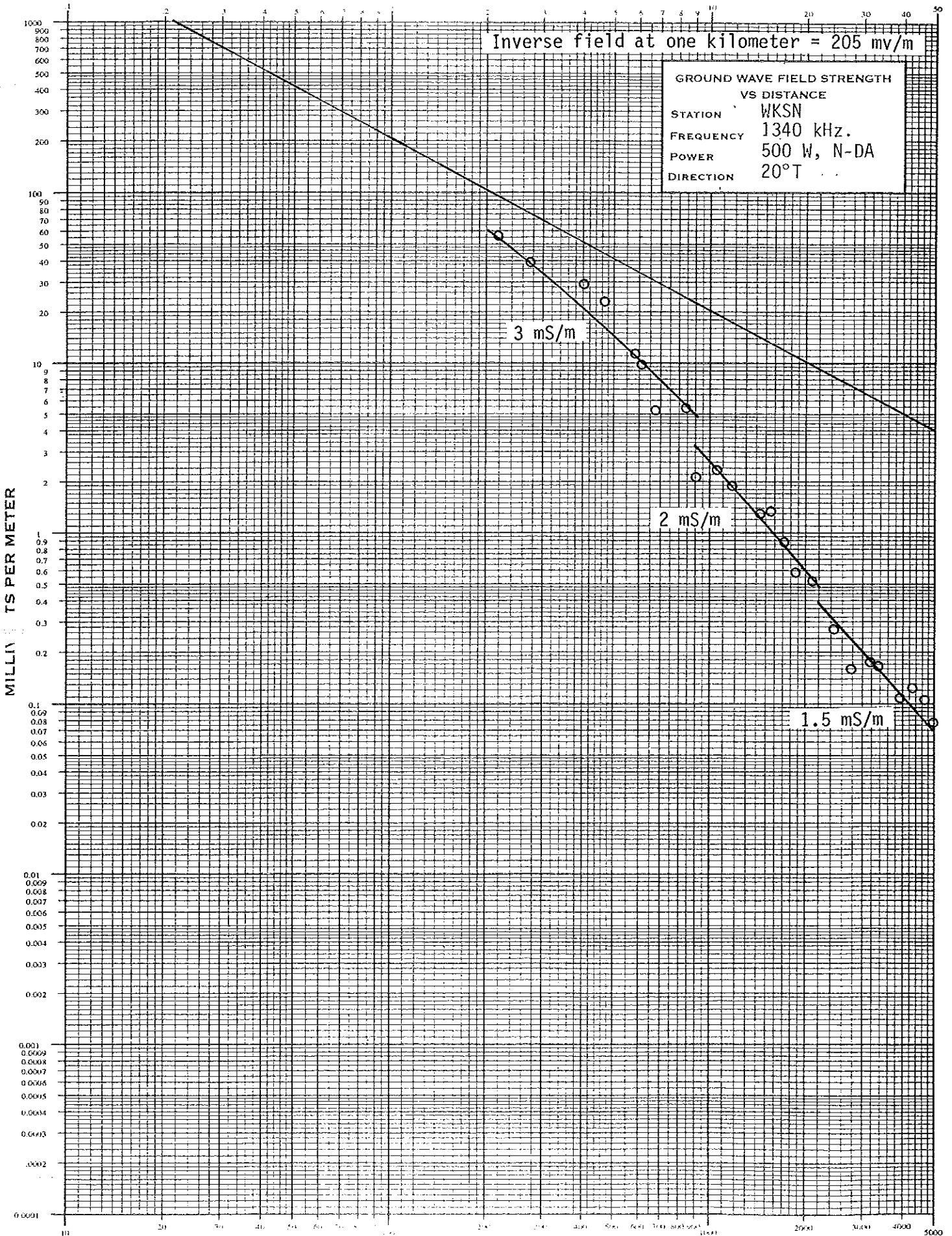
FREQUENCY 1340 KHZ ENGINEER N. Hollenbeck

110 COUNTY RD. 146,  
TRUMANSBURG, NEW YORK 14886

FIELD INTENSITY METER FIM-41 CAL 5/31/01  
Ser. 292

POINT NO.	DISTANCE KM	NON-DA MV/M	DATE 2002	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DISTANCE MI	COMMENTS
1	2.19	56.	15 Nov	9:16A					1.36	
2	2.74	39.	"	9:26A					1.70	
3	4.01	29.1	"	9:34A					2.49	
4	4.65	23.05	"	9:40A					2.89	
5	5.81	11.20	"	9:45A					3.61	
6	6.10	9.75	"	9:47A					3.79	
7	6.76	5.20	"	10:16A					4.20	
8	8.45	5.35	"	10:20A					5.25	
9	9.01	2.11	"	10:26A					5.60	
10	10.51	2.36	"	10:33A					6.53	
11	11.81	1.88	"	10:40A					7.34	
12	14.40	1.30	14 Nov	4:55P					8.95	
13	15.51	1.33	"	4:48P					9.64	
14	17.06	.87	"	4:41P					10.60	
15	18.68	.58	"	4:33P					11.61	
16	20.81	.51	"	4:26P					12.93	
17	24.38	.27	"	4:16P					15.15	
18	27.86	.159	"	4:06P					17.31	
19	31.98	.172	"	3:57P					19.87	
20	33.78	.165	"	3:47P					20.99	
21	39.07	.108	"	3:29P					24.28	
22	42.81	.121	"	3:21P					26.60	
23	46.67	.107	"	3:13P					29.00	
24	50.03	.078	"	3:05P					31.09	

Maps depicting measurement points available upon Commission request.





STATION/CLIENT WKSN RADIAL 40 °T

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

POWER 500W NDA POWER \_\_\_\_\_ DA-D  DA-N  DA-1

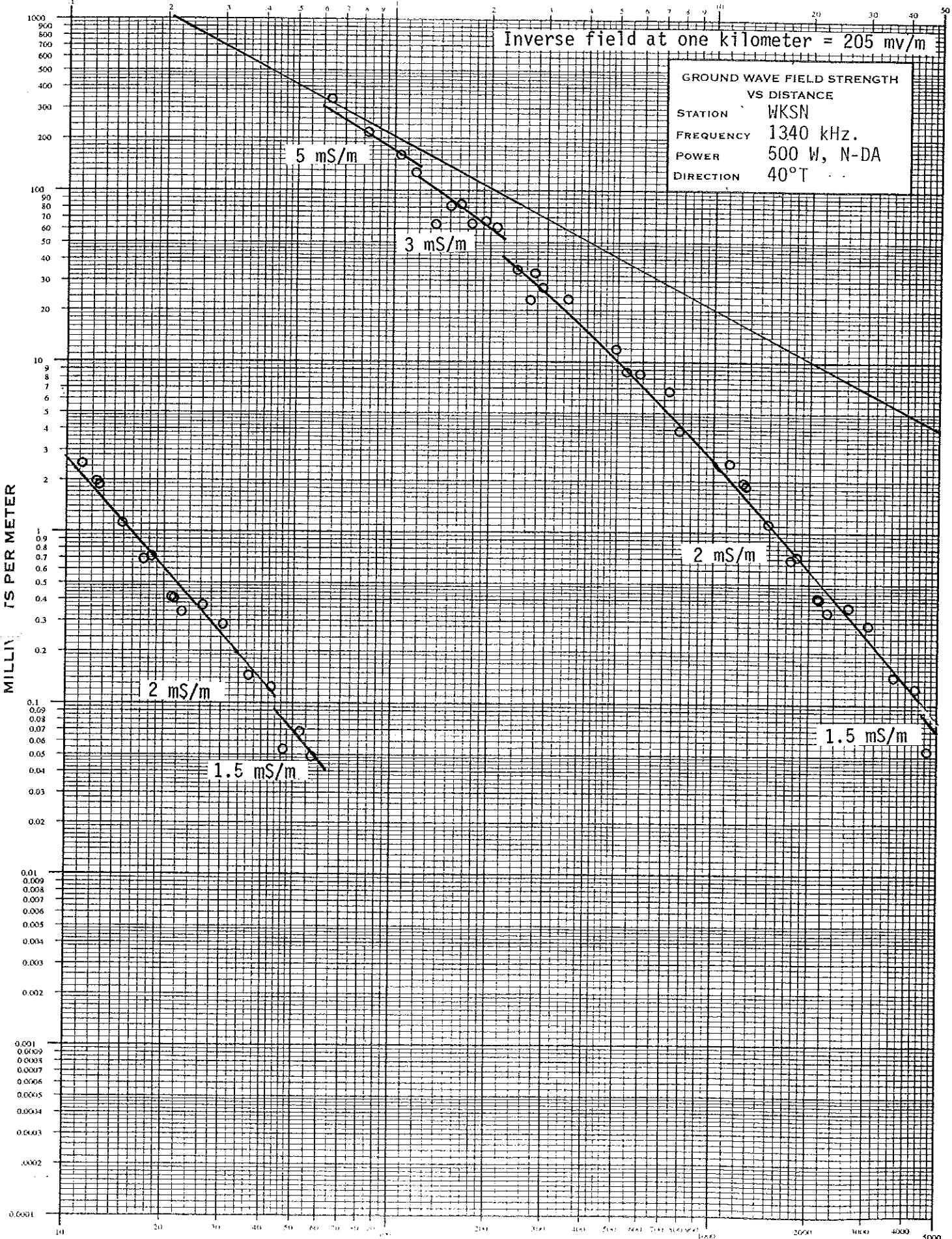
FREQUENCY 1340 KHZ ENGINEER N. Hollenbeck

110 COUNTY RD. 146.  
TRUMANSBURG, NEW YORK 14886

FIELD INTENSITY METER FIM-41 CAL 5/31/01  
Ser. 292

POINT NO.	DISTANCE KM	NON-DA MV/M	DATE 2002	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DISTANCE MI	COMMENTS
1	.63	340.	14 Nov	9:19A					.39	
2	.82	216.	"	9:22A					.51	
3	1.03	159.	"	9:26A					.64	
4	1.17	126.	"	9:30A					.73	
5	1.35	63.	"	9:33A					.84	
6	1.50	81.	"	9:35A					.93	
7	1.61	82.	"	9:37A					1.00	
8	1.74	64.5	"	9:40A					1.08	
9	1.92	66.0	"	9:45A					1.19	
10	2.09	60.5	"	9:51A					1.30	
11	2.41	34.1	"	10:00A					1.50	
12	2.64	23.0	"	10:02A					1.64	
13	2.75	33.0	"	10:04A					1.71	
14	2.90	26.8	"	10:08A					1.80	
15	3.44	23.2	"	10:14A					2.14	
16	4.94	11.9	"	10:26A					3.07	
17	5.33	8.6	"	10:35A					3.31	
18	5.87	8.45	"	10:32A					3.65	
19	7.19	6.65	"	10:47A					4.47	
20	7.82	3.90	"	10:50A					4.86	
21	11.15	2.50	"	11:01A					6.93	
22	12.39	1.93	"	11:06A					7.70	
23	12.65	1.86	"	11:08A					7.86	
24	14.97	1.11	"	11:17A					9.30	
25	17.38	.69	"	11:25A					10.80	
26	18.19	.71	"	11:29A					11.30	
27	21.08	.415	"	11:38A					13.10	
28	21.32	.405	"	11:40A					13.25	
29	22.69	.340	"	11:46A					14.10	
30	26.22	.365	"	12:00N					16.29	
31	30.08	.285	"	12:09P					18.69	
32	36.34	.144	"	12:24P					22.58	
33	42.65	.123	"	12:38P					26.50	
34	46.67	.054	"	12:55P					29.00	
35	52.45	.068	"	1:39P					32.59	
36	57.10	.049	"	1:56P					35.48	

Maps depicting measurement points available upon Commission request.





607-273-2970

FIELD INTENSITY MEASUREMENTS

FIGURE 9F Page 1

STATION/CLIENT WKSJ RADIAL 60°T

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

POWER 500W NDA POWER \_\_\_\_\_ DA-D□ DA-N□ DA-1□

FREQUENCY 1340 KHZ ENGINEER N. Hollenbeck

110 COUNTY RD. 146.  
TRUMANSBURG, NEW YORK 14886

FIELD INTENSITY METER FIM-41 CAL 5/31/01  
Ser. 292

POINT NO.	DISTANCE KM	NON-DA MV/M	DATE 2002	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DISTANCE MI	COMMENTS
1	2.57	32.3	14 Nov	9:05A					1.6	
2	3.22	32.1	"	9:00A					2.0	
3	4.02	17.4	"	8:53A					2.5	
4	4.72	15.8	"	8:48A					2.93	
5	5.44	12.4	"	8:39A					3.38	
6	6.43	10.1	"	8:31A					4.00	
7	6.78	9.6	"	8:28A					4.21	
8	8.64	5.15	"	8:19A					5.37	
9	10.78	3.21	"	8:13A					6.70	
10	11.46	3.07	"	8:10A					7.12	
11	12.23	2.52	"	8:04A					7.60	
12	13.86	1.55	"	7:57A					8.61	
13	15.61	.91	"	7:47A					9.70	
14	16.72	.96	"	7:51A					10.39	
15	20.25	.58	13 Nov	4:52P					12.58	
16	24.14	.56	"	4:33P					15.00	
17	26.44	.38	"	4:26P					16.43	
18	29.85	.28	"	4:14P					18.55	
19	38.19	.11	"	4:02P					23.73	
20	42.12	.094	"	3:52P					26.17	
21	48.28	.054	"	3:18P					30.00	

Maps depicting measurement points available upon Commission request.



