

EXHIBIT "ENG"

**ENGINEERING EXHIBITS
IN SUPPORT OF
FCC FORM 302**

APPLICATION FOR STATION LICENSE

PREPARED FOR

RADIO SUPREMA, INC.

KCTY

SALINAS, CA

MAY 1999

COMPILED BY

D. WAYNE WOOLLARD

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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. PA/ OR NAME (Last, First, Middle Initial)

MAILING ADDRESS (Line 1) (Maximum 35 characters)

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY STATE OR COUNTRY (if foreign address) ZIP CODE

TELEPHONE NUMBER (include area code) CALL LETTERS OTHER FCC IDENTIFIER (If applicable)

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
M O R	0 0 0 1	\$ 545.00	

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
	0 0 0 1	\$	

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
\$ 545.00	

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Radio Suprema, Inc.		
MAILING ADDRESS 517 S. Main St.		
CITY Salinas,	STATE California	ZIP CODE 93901

2. This application is for:

- ☐ Commercial
 ☐ Noncommercial
☒ AM Directional
 ☐ AM Non-Directional

Call letters KCIY	Community of License Salinas	Construction Permit File No. BMP-940406AB	Modification of Construction Permit File No(s). 990209J1	Expiration Date of Last Construction Permit 8-11-99
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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.

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.

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.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Radio Suprema, Inc.

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
KCTV	BMP-940406-AB	980	4	10	10

2. Station location

State California	City or Town Salinas
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3. Transmitter location

State CA	County Monterey	City or Town Salinas	Street address (or other identification) 540 Old Natividad Rd.
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4. Main studio location

State CA	County Monterey	City or Town Salinas	Street address (or other identification) 517 South Main St.
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5. Remote control point location (specify only if authorized directional antenna)

State CA	County Monterey	City or Town Salinas	Street address (or other identification) 517 South Main St.
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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

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system 10.4	RF common point or antenna current (in amperes) without modulation for day system 10.4
Measured antenna or common point resistance (in ohms) at operating frequency Night 50 Day 50	Measured antenna or common point reactance (in ohms) at operating frequency Night 0 Day 0

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 SW	-136.2	-118.9	.464	.449	4.42	4.20
#2	0	0	1.000	1.000	9.80	9.38
#3	+124.1	+133.5	.972	.928	9.40	8.80
#4 NE	-115.8	-102.3	.352	.303	3.40	2.80

Manufacturer and type of antenna monitor:

Potomac AM-19-204

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).

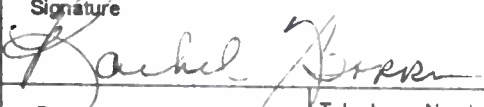
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

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 Rachel Ybarra	Signature 	
Title President	Date 5/11/99	Telephone Number 831-757-5911

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.

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.) See Exhibit "ENG"

Type Radiator Uniform Cross Section	Overall height in meters of radiator above base insulator, or above base, if grounded. 80.5	Overall height in meters above ground (without obstruction lighting) 81.3	Overall height in meters above ground (include obstruction lighting) 82.3	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. Exhibit No. DNA
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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	36°	43'	59"	West Longitude	121°	35'	35.8"
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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.
FNG

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

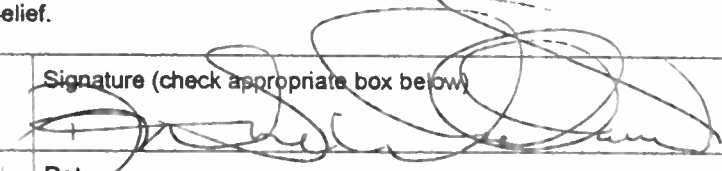
Exhibit No.
ENG

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

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

DNA

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) D. Wayne Woollard	Signature (check appropriate box below) 
Address (include ZIP Code) P.O. Box 1097 Castroville, Ca 95012	Date 5/5/99
	Telephone No. (Include Area Code) 831-663-5512

- | | |
|--|---|
| ☒ Technical Director | ☐ Registered Professional Engineer |
| ☐ Chief Operator | ☐ Technical Consultant |
| ☐ Other (specify) | |

Engineering Statement

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

This Engineering Statement is prepared on behalf of Radio Suprema, Inc. Licensee of Radio Station KCTY Salinas, CA in support of the application for station license. Under the terms and conditions of Construction Permit BMP-940406AB, as extended, KCTY Authorized to increase power to 10,000 watts, and move to a new transmitter site, as a victim of urban sprawl. Shortly after construction was commenced in 1998, vandals entered the existing transmitter site, set fire to the building destroying the structure and contents. This action resulted in a Special Temporary Authority grant to operate with reduced power non-directionally from the proposed site in order to continue broadcast operations. Granting of this application will replace the temporary STA.

This application demonstrates the completion of construction and proper adjustment of both day and night directional arrays and respectfully requests the grant of Station License to cover the authorized construction.

All adjustments to both arrays were done during the experimental period by utilization of "Method of Moments" calculations which proved amazingly accurate requiring little tuning.

One change from the original authorization is the co-location of Radio Station KTXS (1460 KHz, 10,000 watts, DA-1) which required the installation of pass-reject filters between the output of the antenna tuning units of KCTY, and the antenna. Both facilities were under construction and were tested.

simultaneously. The pass reject filters were measured to reject unwanted frequencies by an average of 50 db.

Intermodulation products of both stations were observed out to 5 MHz with an FIM 41 and no products were detected.

Detuning of the unused towers during non-directional measuring was verified by close proximity field strength meter loop antenna orientation, and found to be in compliance.

Field strength measurements conducted on the Non-Directional were conducted with a transmitter power of 960 watts. This power level was subsequently maintained throughout the Non-directional measurements by close maintenance of transmitter parameters. KCTY and KTXH conducted non-directional measurements concurrently to ascertain if any problems existed in the diplexing networks of the two stations. Measurements were made utilizing good engineering practice and good conventional wisdom. Measurements were made by several teams at as many locations as permission could be obtained to gather them. Some areas were accessed by four wheel drive vehicles, All Terrain Vehicles, on foot, and even helicopters were used on some sites. No measurements were actually made from the Helicopters, they were just used to gain access, which in some cases was adamantly refused by the property owners.

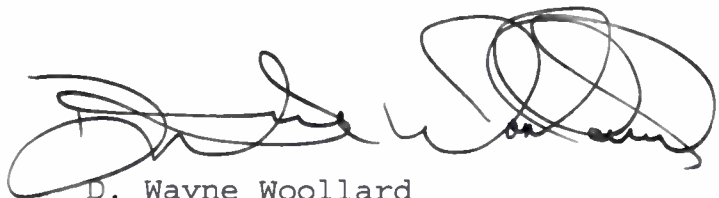
Equal length sample lines were buried between the antenna tuning unit buildings, and the transmitter building. Lines were looped back in the trough to consume length in some cases, and was buried in conduit to a depth of 3 feet, satisfying the temperature stabilization requirements in this coastal valley. samples were obtained from the tower bases via shielded toroidal

transformers. The sampling system meets the requirements of 47 CFR 73.68 (a).

Sharply rising, rugged terrain to the Northeast, North, and Southeast, combined with low inverse distance fields resulted in excessive scattering, and undulation along some radials. necessitating logarithmic ratios as described in part 73.186 (a) (5) of the FCC Rules.

In summary the accompanying exhibits demonstrate that KCTY has been constructed in compliance with the terms and conditions of the construction permit, and program test authority is requested at the staff's earliest convenience.

Respectfully Submitted

A handwritten signature in black ink, appearing to read 'D. Wayne Woollard', with a large, stylized circular flourish to the right.

D. Wayne Woollard

Technical Consultant

May 1999



Certification of Engineer

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

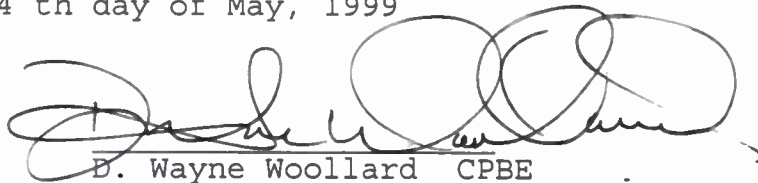
I hereby do certify:

That I am a technical consultant with considerable experience in the performance of AM groundwave field strength measurements and that my qualifications and previous works are a matter of record with the Federal Communications Commission in Washington, D. C.

That I have performed a portion of the field strength measurements of Station KCTY that are presented herein.

and that under penalty of perjury, all such measurements performed by me are accurate, true, and correct to the best of Knowledge and belief.

Executed this 4 th day of May, 1999

A handwritten signature in dark ink, appearing to read 'D. Wayne Woollard', is written over a horizontal line.

D. Wayne Woollard CPBE
Technical Consultant

Certification of Engineer

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

I hereby do certify:

That I am a technician regularly employed in the Broadcast engineering field.

That I am experienced in the performance of AM groundwave field strength measurements.

That I have performed a portion of the field strength measurements of Station KCTY that are presented herein.

and that under penalty of perjury, all such measurements performed by me are accurate, true, and correct to the best of Knowledge and belief.

Executed this 4 th day of May, 1999

Ko. 2
Kurt O. Jauss

Technician

FCC Form 353-A
June 1980

File No.: SMP-940406AB

Call Sign: KCTY

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4) vertical, series-excited steel radiators of uniform cross-section. Theoretical RMS: 1078.38 mV/m/kw @ 1km (day), 1077.67 mV/m/kw @ 1km (night); Standard RMS: 1133.26 mV/m/kw @ 1km (day); 1131.94 mV/m/kw @ 1km (night). Q factor 31.62 (day) 31.62 (night).

Height above Insulators: 80.5 m for all Four(4) towers.

Overall Height: 82.3 m for all Four(4) towers.

Spacing and Orientation: All four towers are spaced 100° apart on a straight line at an azimuth of 63.0°T.

Non-Directional Antenna: N/A

Ground System consists of 120 equally spaced buried copper wires 79.24 m in length, plus 120 interspersed radials 15.24 m in length about the base of each tower.

2. THEORETICAL SPECIFICATIONS

Towers:		#1	#2	#3	#4
Phasing:	Night:	-129.6°	0°	123.2°	-110.3°
	Day:	-117.1°	0°	127.3°	-101.4°
Field Ratio:	Night:	0.436	1.000	0.957	0.394
	Day:	0.451	1.000	0.900	0.387

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

<u>Nighttime</u>		<u>Daytime</u>	
<u>Azimuth</u>	<u>Radiation</u>	<u>Azimuth</u>	<u>Radiation</u>
13.0°	35.36 mV/m	63.0°	73.36 mV/m
63.0°	42.04 mV/m	129.0°	33.44 mV/m
113.0°	35.36 mV/m	145.0°	33.21 mV/m
163.0°	163.36 mV/m	341.0°	33.21 mV/m
336.0°	163.36 mV/m	357.0°	33.44 mV/m

File No: BMP-940406AB

Call Sign: KCTY

THE AUTHORITY GRANTED IS SUBJECT TO THE FOLLOWING CONDITIONS:

A complete nondirectional proof of performance, in addition to a complete proof on the (day) and (night) directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.

If remote control authorization is desired, necessary to file complete FCC Form 301-A.

Painting and lighting of the proposed antenna tower(s) in accordance with paragraphs 1, 3, 11, 21, 22 of FCC Form 715.

Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1560(b) should non-type accepted transmitter be proposed.

Field Strength Meter
Calibration

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

POTOMAC INSTRUMENTS, INC

SILVER SPRING, MARYLAND

CERTIFICATE OF CALIBRATION

Field Intensity Meter Type FIM-21 Serial No. 1055

This instrument was calibrated in an induction field of 220.0 millivolts per meter. At each measurement frequency the measured field was recorded and a correction factor K was computed; the indicated field must be multiplied by K to obtain the true field.

KHz	K	MHz	K	KHz	K	MHz	K
540	1.000	1.6		1100	1.000	3.5	
600	1.000	1.9		1200	1.000	3.8	
700	1.000	2.2		1300	1.000	4.1	
800	1.000	2.5		1400	1.005	4.4	
900	1.000	2.8		1500	1.005	4.7	
1000	1.000	3.2		1600	1.014	5.0	

Single Frequency of KHz only, K

The calibrating field is maintained equal to the National Bureau of Standards standard field within an accuracy of 1.0 per cent. NBS states that the absolute accuracy of its field is "believed to be within 1.0 percent."

The error at points on the meter scale other than the calibration point is less than 1.0 per cent. The attenuator ratios are correct within 2.0 per cent. These accuracies apply for battery voltages that are indicated by the instrument's battery check circuit to be useable. NEXT RECOMMENDED CALIBRATION DATE:

APRIL 2001

Calibrated by [Signature] Date 16 APRIL 1999.

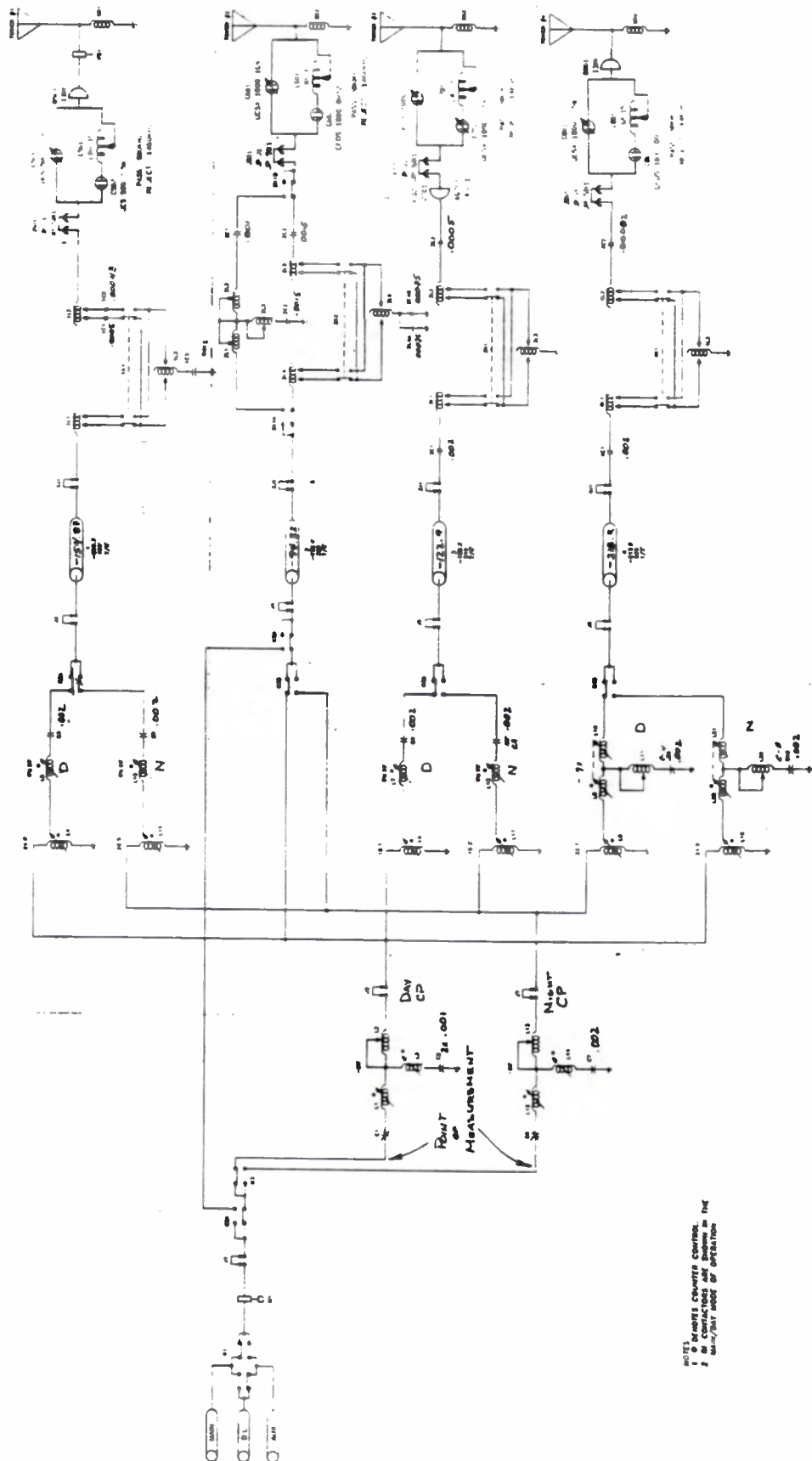
STATE OF MARYLAND

Personally appeared before me this 16TH day of APRIL 1999, EARL C. MOORE, who testified under oath that the above calibration was made either by himself or under his direction and that the statements in the above certificate are true to the best of his knowledge and belief.

[Signature]
ALBERT E. BOBENKOR
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 18, 2001

Phasing and Branching Circuitry

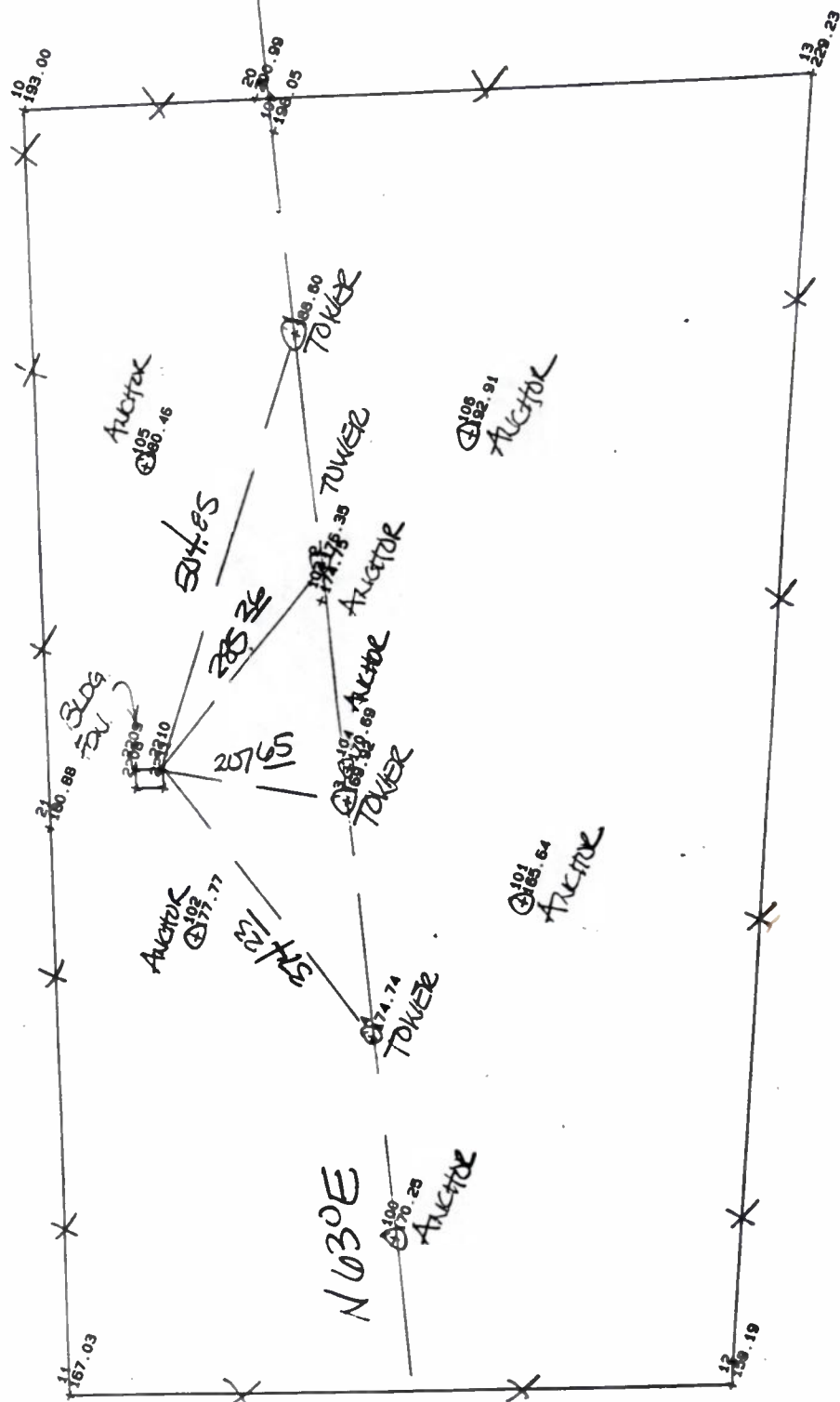
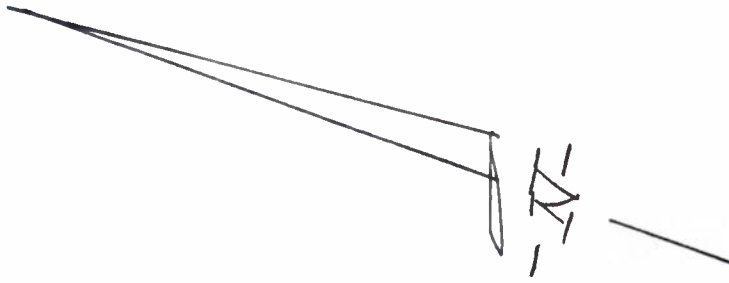
Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



NOTES:
1. 5 AMPERE COUNTER CURRENT.
2. IN CONNECTIONS ARE SHOWN IN THE
DIRECTION OF FLOW.

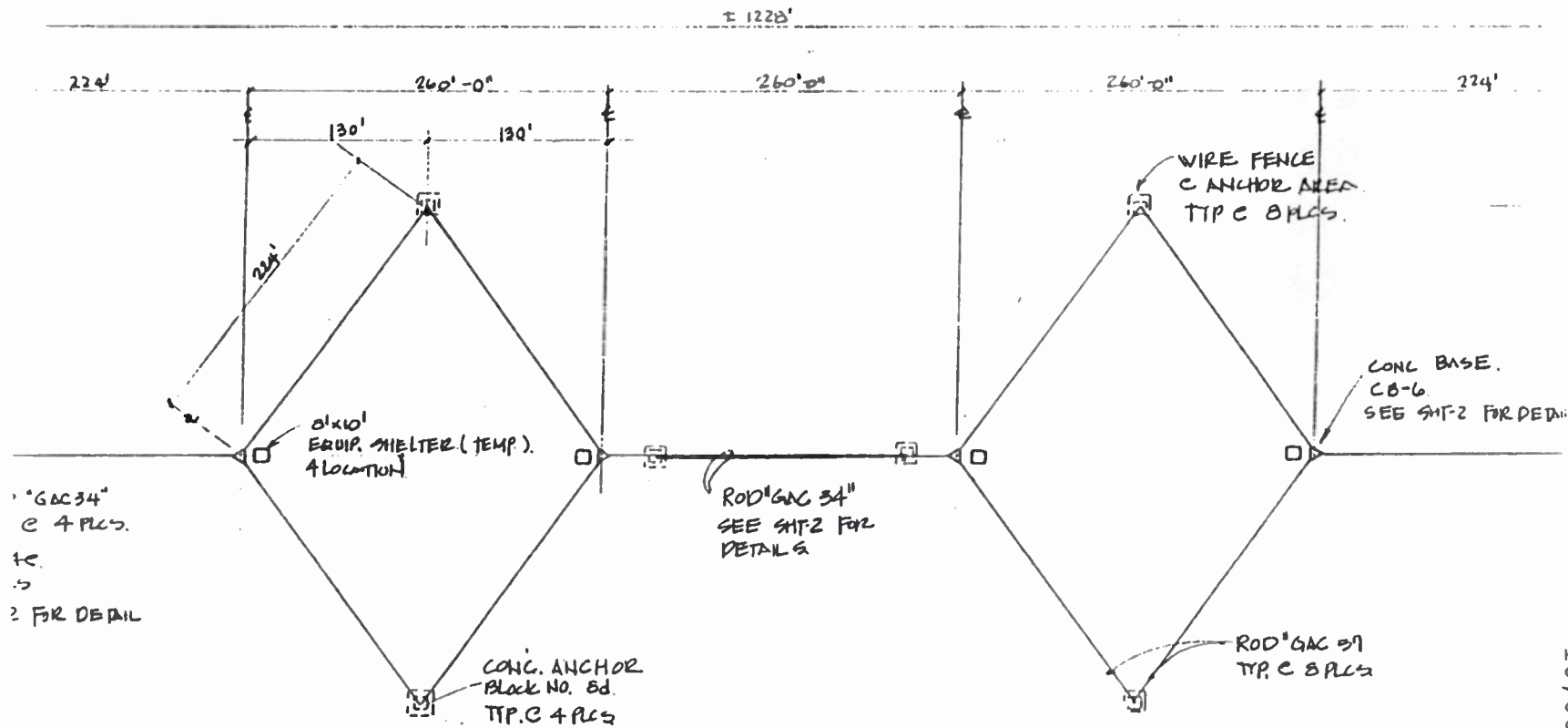
Site Plat

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



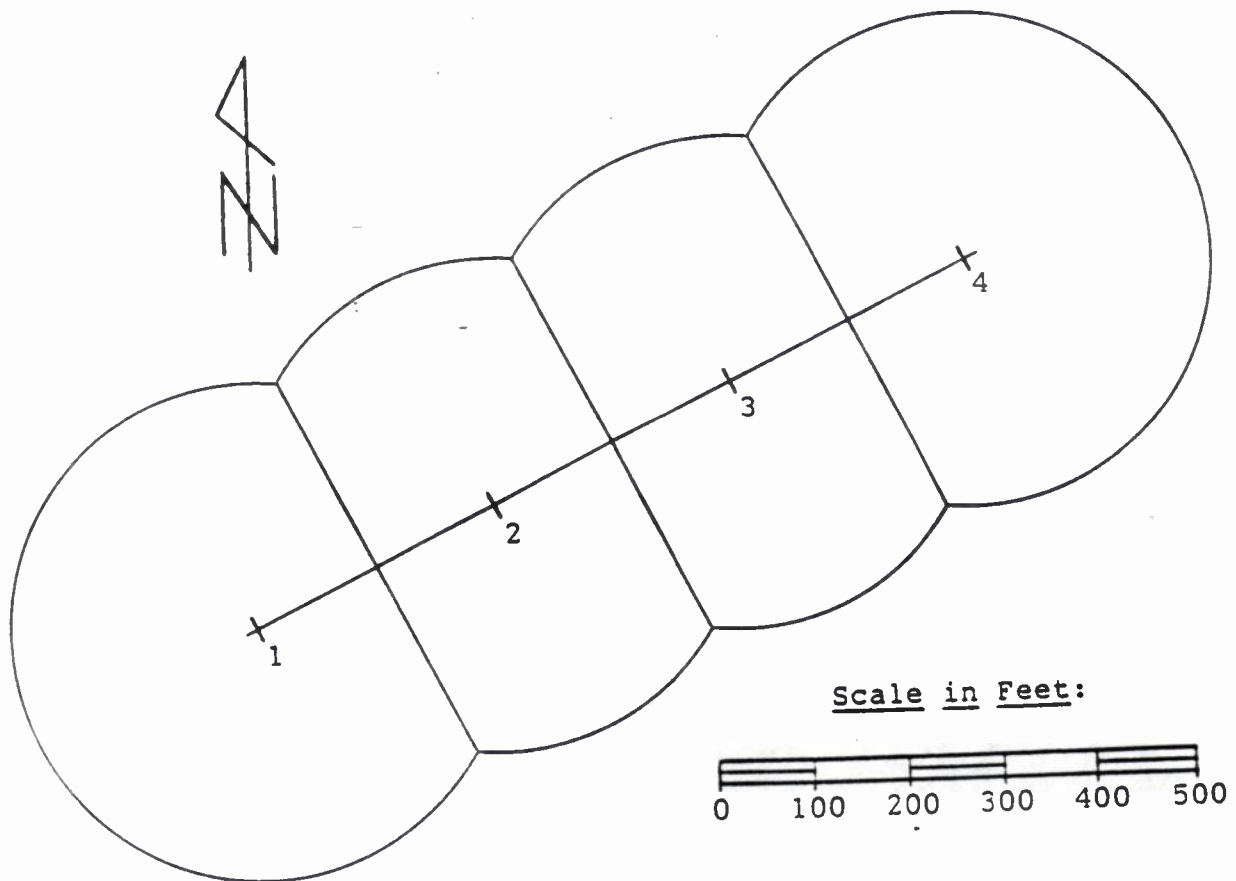
Elevations & Descriptions

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Site Plat
Ground System

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



The ground system consists of 120 # 10 soft drawn copper radials per tower, each 79.24 meters (260 feet) in length, incrementally spaced about the base of each tower and buried to a depth of 6 inches. In addition 120 radials, each 15.24 meters (50 feet) in length, will be interspersed with the longer radials and buried to a similar depth as the longer radials to effectively form a "ground screen" to enhance array stability, and reduce system losses. At all common chords of intersection, the radials will be bonded to 4" copper strap, which will also be bonded to the ground systems at the base of each tower, and the transmitter building and equipment. The entire ground system is contained within the perimeters of the property.

Summary of Measured Radiation

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

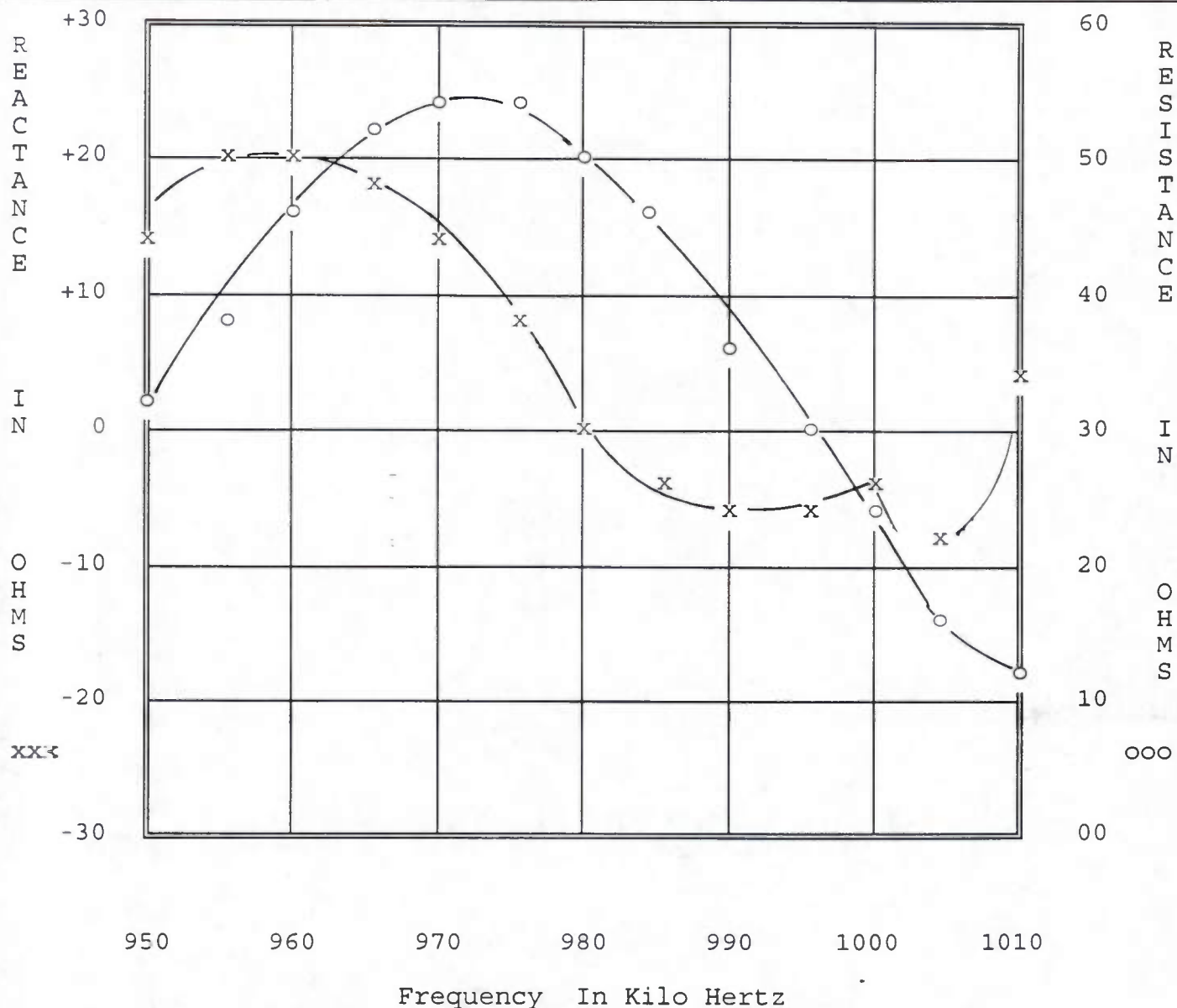
Azimuth (degrees True)	Non-Directional Radiation (mV/m)	Daytime Directional Radiation (mV/m)	Nighttime Directional Radiation (mV/m)
13	313	35.4	76.8
63	311	41.9	67.3
113	303	35.4	103
129	303	105	30.7
145	306	147	32.7
150	301	161	62.0
200	303	1590	1520
243	296	2060	2140
286	299	1510	1410
336	306	155	39.2
341	317	140	29.3
357	299	133	32.9

Non Directional RMS - 304.8 mVm/Km

MEASUREMENT OF ANTENNA REACTANCE and RESISTANCE

Radio Station Call Letters: KCTY
Frequency 980 KHz Power 10 KW

Location: Salinas, CA
Date: February 25, 1999



Delta OIB - 3 Serial # 1144
Potomac SD-31 Serial # 232

Fr=q.	R Ohms	X Ohms	X(x F)
950 KHz	31	+J13	+J12.35
955	38	+J20	+J19.10
960	44	+J21.5	+J20.64
965	51.5	+J19.5	+J18.82
970	52.5	+J13	+J12.61
975	52	+J6.2	+J6.045
980	50	J0	J0000
985	44	-J4.2	-J4.137
990	36.2	-J6.8	-J6.732
995	29.5	-J6.5	-J6.468
1000	22	-J4.5	-J4.500
1005	16.2	-J.9	-J.9045
1010	11.9	+J3.8	+J3.838

Signature *[Signature]*

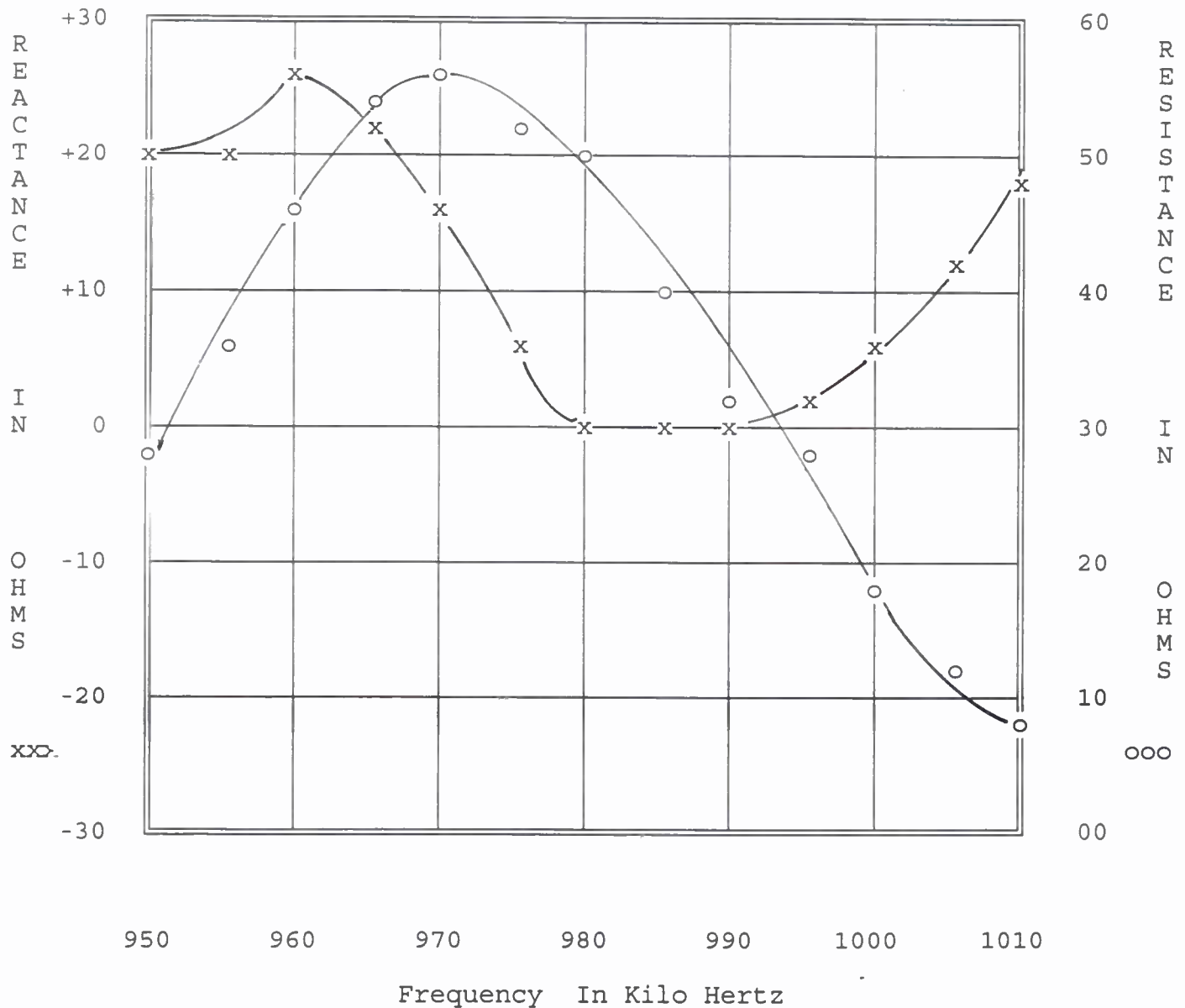
Antenna Configuration

Non Directional ()
Common Point (XX)
Night ()
Day (XX)

MEASUREMENT of ANTENNA REACTANCE and RESISTANCE

Radio Station Call Letters: KCTY
Frequency 980 KHz Power 10 KW

Location: Salinas, CA
Date: April 25, 1999



Delta OIB - 3 Serial # 1144
Potomac SD-31 Serial # 232

Freq. KHz	R Ohms	X Ohms	= X(x F)
950	28.5	+J20	+J19.00
955	36	+J22	+J20.90
960	45	+J28	+J26.88
965	53.7	+J23	+J22.08
970	54.8	+J15	+J14.55
975	52	+J8	+J7.800
980	50	J0	J0000
985	40	J0	J0000
990	31.8	+J1	+J.99
995	27	+J2	+J1.99
1000	17	+J5	+J5.00
1005	13.2	+J10.8	+J10.85
1010	8.8	+J17	+J17.17

Signature

Antenna Configuration

Non Directional ()

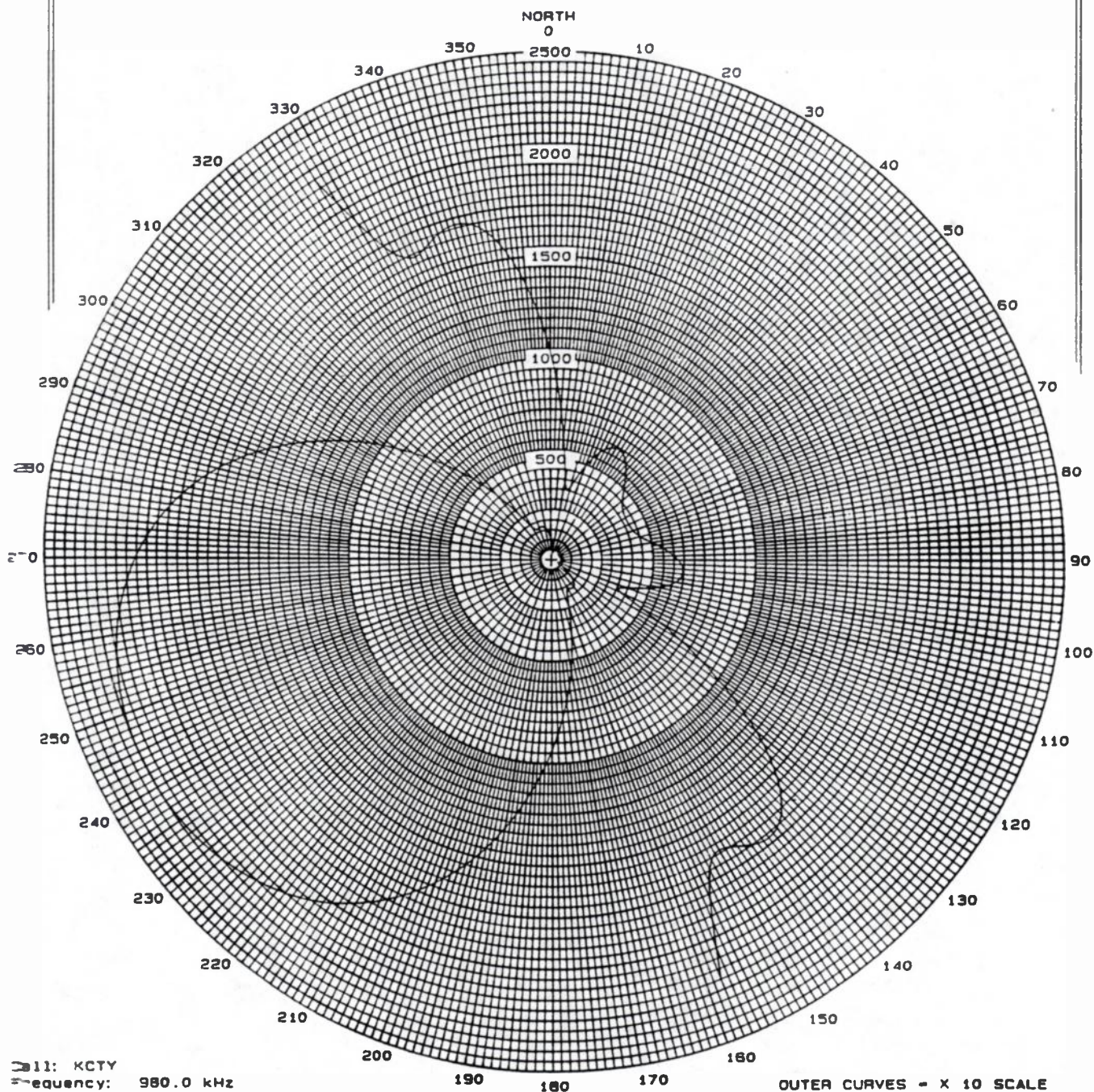
Common Point (XX)

Night (XX)

Day ()

Application for Station License

KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts
Standard Horizontal Plane Pattern Daytime



Call: KCTY
Frequency: 980.0 kHz
Power: 10.000 kW
EIRP: 1257.58 mV/m at 1 km

G Factor at 0 degrees:
31.62 mV/m at 1 km
Theoretical Pattern RMS:
1078.83 mV/m at 1 km
Standard Pattern RMS:
1133.26 mV/m at 1 km

TOWER PARAMETERS

Tower Number	Field Ratio	Phase (degs.)	Spacing (degs.)	Bearing (degs.)	Tower Section Lengths (degs.)			
					A	B	C	D
1	.451	-117.1	.0	.0	94.7	.0	.0	.0
2	1.000	.0	100.0	63.0	94.7	.0	.0	.0
3	.900	127.3	200.0	63.0	94.7	.0	.0	.0
4	.387	-101.4	300.0	63.0	94.7	.0	.0	.0

Daytime Standard Radiation
Pattern

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

Power: 10.000 kW

ERSS: 1257.58 mV/m at 1 km

Multiplying Constant (K factor): 855.05 mV/m at 1 km

Q Factor (elevation angle = 0 degrees): 31.62

Theoretical Pattern RMS: 1078.83 mV/m at 1 km

Standard Pattern RMS: 1133.26 mV/m at 1 km

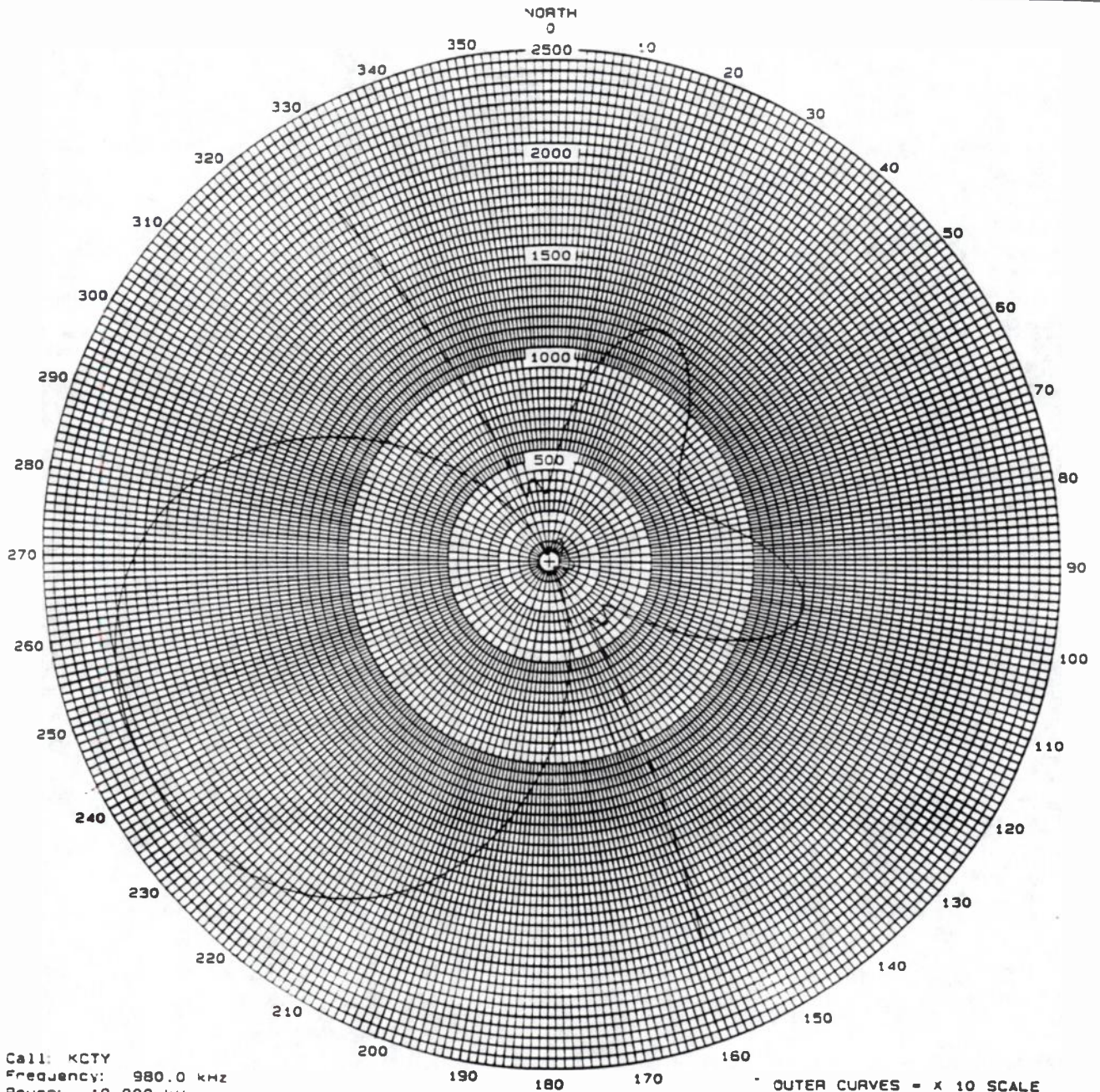
ANTENNA TOWER PARAMETERS:

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Bearing (deg.)	Tower Section Lengths (deg.)			
					A	B	C	D
1	.451	-117.1	.0	.0	94.7	.0	.0	.0
2	1.000	.0	100.0	63.0	94.7	.0	.0	.0
3	.900	127.3	200.0	63.0	94.7	.0	.0	.0
4	.387	-101.4	300.0	63.0	94.7	.0	.0	.0

CALCULATED STANDARD PATTERN DATA:

Azimuth (deg.)	Elevation: .00	Azimuth (deg.)	Elevation: .00	Azimuth (deg.)	Elevation: .00
.0	103.26	120.0	61.37	240.0	2249.71
5.0	67.89	125.0	96.08	245.0	2250.88
10.0	40.84	130.0	130.58	250.0	2240.21
15.0	37.17	135.0	157.35	255.0	2216.96
20.0	49.59	140.0	170.85	260.0	2179.68
25.0	60.23	145.0	169.69	265.0	2126.38
30.0	64.50	150.0	163.37	270.0	2054.78
35.0	62.88	155.0	181.94	275.0	1962.69
40.0	57.51	160.0	256.52	280.0	1848.43
45.0	51.07	165.0	384.19	285.0	1711.32
50.0	45.91	170.0	548.86	290.0	1552.13
55.0	43.11	175.0	737.06	295.0	1373.45
60.0	42.15	180.0	937.46	300.0	1179.88
65.0	42.09	185.0	1139.94	305.0	978.09
70.0	42.80	190.0	1335.74	310.0	776.51
75.0	45.16	195.0	1517.84	315.0	585.00
80.0	49.88	200.0	1681.20	320.0	414.64
85.0	56.22	205.0	1822.84	325.0	278.33
90.0	62.02	210.0	1941.65	330.0	191.98
95.0	64.59	215.0	2038.06	335.0	163.78
100.0	61.62	220.0	2113.60	340.0	168.21
105.0	52.14	225.0	2170.38	345.0	171.70
110.0	39.16	230.0	2210.68	350.0	161.24
115.0	37.86	235.0	2236.60	355.0	136.76

Figure 1



Call: KCTY
 Frequency: 980.0 kHz
 Power: 10.000 kW
 ERSS: 1256.32 mV/m at 1 km

G Factor at 0 degrees:
 31.62 mV/m at 1 km

Theoretical Pattern RMS:
 1077.57 mV/m at 1 km

Standard Pattern RMS:
 1131.94 mV/m at 1 km

TOWER PARAMETERS

Tower Number	Field Ratio	Phase (degs.)	Spacing (degs.)	Bearing (degs.)	Tower Section Lengths (degs.)			
					A	B	C	D
1	.436	-129.6	.0	.0	94.7	.0	.0	.0
2	1.000	.0	100.0	63.0	94.7	.0	.0	.0
3	.357	123.2	200.0	63.0	94.7	.0	.0	.0
4	.394	-110.3	300.0	63.0	94.7	.0	.0	.0

KCTY AM & KRAY FM, INC
 KCTY AM, Salinas, CA

NL: 36-43-58
 WL: 121-35-32

March, 1994

STANDARD HORIZONTAL
 PLANE PATTERN
 - NIGHTTIME -

Nighttime Standard Radiation Pattern

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

Call: KCTY Frequency: 980.0 kHz

Power: 10,000 W

EPSS: 1256.32 mV/m at 1 km
Multiplying Constant (K factor): 635.48 mV/m at 1 km
Z factor (elevation angle = 0 degrees): 31.62

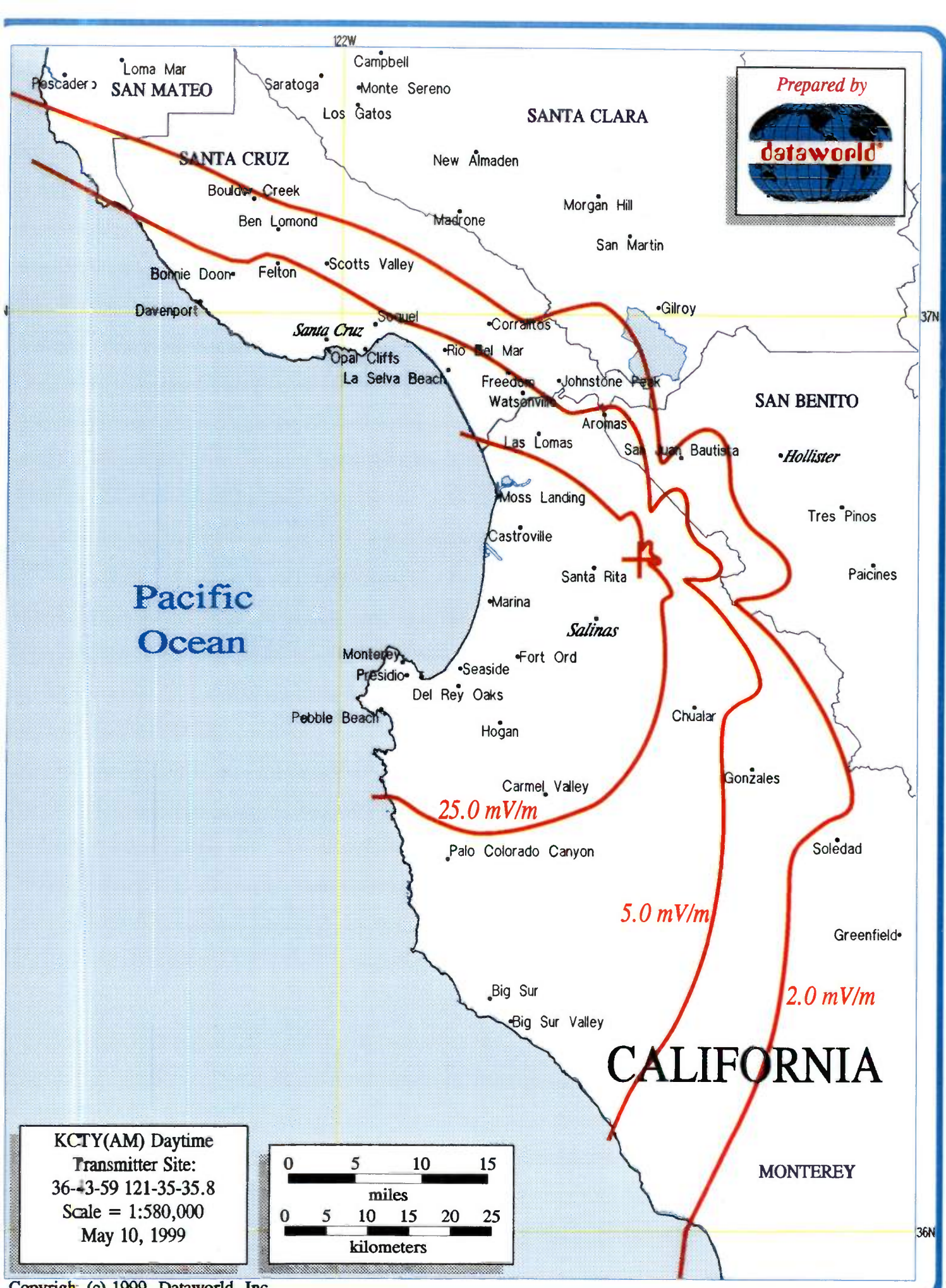
Theoretical Pattern RMS: 1077.37 mV/m at 1 km
Standard Pattern RMS: 1131.96 mV/m at 1 km

ANTENNA TOWER PARAMETERS:

Tower Number	Field Ratio	Phase (deg.)	Spacing (deg.)	Seoring (deg.)	Tower Section Lengths (deg.)
					A B C D
1	.436	-129.6	.0	.0	94.7 .0 .0 .0
2	1.000	.0	100.0	63.0	94.7 .0 .0 .0
3	.957	123.2	200.0	63.0	94.7 .0 .0 .0
4	.394	-110.3	300.0	63.0	94.7 .0 .0 .0

CALCULATED STANDARD PATTERN DATA:

Altitude (deg.)	Elevation Angle (degrees):													
	3.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	
.0	37.42	36.92	35.31	33.45	31.13	28.96	27.27	26.11	25.20	24.11	22.38	19.78	16.37	
5.0	37.62	36.62	33.70	30.16	26.39	22.38	18.13	13.61	9.75	6.54	3.81	1.46		
10.0	38.84	31.57	27.70	21.76	16.35	11.38	6.87	3.69	2.54	1.69	1.01	0.50		
15.0	40.68	33.34	29.35	22.80	16.39	11.42	6.91	3.72	2.57	1.72	1.03	0.52		
20.0	43.43	35.23	31.24	24.69	18.28	13.31	8.80	4.81	3.26	2.11	1.26	0.61		
25.0	47.19	38.00	34.01	27.46	21.05	16.08	11.07	6.08	4.03	2.58	1.53	0.78		
30.0	52.00	42.79	38.80	32.25	25.84	20.87	15.86	10.85	7.80	5.25	3.20	1.75		
35.0	57.99	49.78	45.79	39.24	32.83	27.86	22.85	17.84	12.83	8.82	5.81	3.80		
40.0	65.18	57.17	53.18	46.63	40.62	35.61	30.60	25.59	20.58	15.57	10.56	6.55		
45.0	74.67	67.16	63.17	56.62	50.61	45.60	40.59	35.58	30.57	25.56	20.55	15.54		
50.0	87.46	80.45	76.46	70.45	64.44	58.43	52.42	46.41	40.40	34.39	28.38	22.37		
55.0	104.65	97.64	93.65	87.64	81.63	75.62	69.61	63.60	57.59	51.58	45.57	39.56		
60.0	127.44	120.43	116.44	110.43	104.42	98.41	92.40	86.39	80.38	74.37	68.36	62.35		
65.0	157.43	150.42	146.43	140.42	134.41	128.40	122.39	116.38	110.37	104.36	98.35	92.34		
70.0	197.42	190.41	186.42	180.41	174.40	168.39	162.38	156.37	150.36	144.35	138.34	132.33		
75.0	247.41	240.40	236.41	230.40	224.39	218.38	212.37	206.36	200.35	194.34	188.33	182.32		
80.0	307.40	300.39	296.40	290.39	284.38	278.37	272.36	266.35	260.34	254.33	248.32	242.31		
85.0	377.39	370.38	366.39	360.38	354.37	348.36	342.35	336.34	330.33	324.32	318.31	312.30		
90.0	457.38	450.37	446.38	440.37	434.36	428.35	422.34	416.33	410.32	404.31	398.30	392.29		
95.0	547.37	540.36	536.37	530.36	524.35	518.34	512.33	506.32	500.31	494.30	488.29	482.28		
100.0	657.36	650.35	646.36	640.35	634.34	628.33	622.32	616.31	610.30	604.29	598.28	592.27		
105.0	787.35	780.34	776.35	770.34	764.33	758.32	752.31	746.30	740.29	734.28	728.27	722.26		
110.0	937.34	930.33	926.34	920.33	914.32	908.31	902.30	896.29	890.28	884.27	878.26	872.25		
115.0	1107.33	1100.32	1096.33	1090.32	1084.31	1078.30	1072.29	1066.28	1060.27	1054.26	1048.25	1042.24		
120.0	1297.32	1290.31	1286.32	1280.31	1274.30	1268.29	1262.28	1256.27	1250.26	1244.25	1238.24	1232.23		
125.0	1507.31	1500.30	1496.31	1490.30	1484.29	1478.28	1472.27	1466.26	1460.25	1454.24	1448.23	1442.22		
130.0	1737.30	1730.29	1726.30	1720.29	1714.28	1708.27	1702.26	1696.25	1690.24	1684.23	1678.22	1672.21		
135.0	2087.29	2080.28	2076.29	2070.28	2064.27	2058.26	2052.25	2046.24	2040.23	2034.22	2028.21	2022.20		
140.0	2557.28	2550.27	2546.28	2540.27	2534.26	2528.25	2522.24	2516.23	2510.22	2504.21	2498.20	2492.19		
145.0	3147.27	3140.26	3136.27	3130.26	3124.25	3118.24	3112.23	3106.22	3100.21	3094.20	3088.19	3082.18		
150.0	3867.26	3860.25	3856.26	3850.25	3844.24	3838.23	3832.22	3826.21	3820.20	3814.19	3808.18	3802.17		
155.0	4727.25	4720.24	4716.25	4710.24	4704.23	4698.22	4692.21	4686.20	4680.19	4674.18	4668.17	4662.16		
160.0	5747.24	5740.23	5736.24	5730.23	5724.22	5718.21	5712.20	5706.19	5700.18	5694.17	5688.16	5682.15		
165.0	6947.23	6940.22	6936.23	6930.22	6924.21	6918.20	6912.19	6906.18	6900.17	6894.16	6888.15	6882.14		
170.0	8347.22	8340.21	8336.22	8330.21	8324.20	8318.19	8312.18	8306.17	8300.16	8294.15	8288.14	8282.13		
175.0	9947.21	9940.20	9936.21	9930.20	9924.19	9918.18	9912.17	9906.16	9900.15	9894.14	9888.13	9882.12		
180.0	11747.20	11740.19	11736.20	11730.19	11724.18	11718.17	11712.16	11706.15	11700.14	11694.13	11688.12	11682.11		
185.0	13747.19	13740.18	13736.19	13730.18	13724.17	13718.16	13712.15	13706.14	13700.13	13694.12	13688.11	13682.10		
190.0	15947.18	15940.17	15936.18	15930.17	15924.16	15918.15	15912.14	15906.13	15900.12	15894.11	15888.10	15882.09		
195.0	18347.17	18340.16	18336.17	18330.16	18324.15	18318.14	18312.13	18306.12	18300.11	18294.10	18288.09	18282.08		
200.0	20947.16	20940.15	20936.16	20930.15	20924.14	20918.13	20912.12	20906.11	20900.10	20894.09	20888.08	20882.07		
205.0	23747.15	23740.14	23736.15	23730.14	23724.13	23718.12	23712.11	23706.10	23700.09	23694.08	23688.07	23682.06		
210.0	26747.14	26740.13	26736.14	26730.13	26724.12	26718.11	26712.10	26706.09	26700.08	26694.07	26688.06	26682.05		
215.0	29947.13	29940.12	29936.13	29930.12	29924.11	29918.10	29912.09	29906.08	29900.07	29894.06	29888.05	29882.04		
220.0	33347.12	33340.11	33336.12	33330.11	33324.10	33318.09	33312.08	33306.07	33300.06	33294.05	33288.04	33282.03		
225.0	36947.11	36940.10	36936.11	36930.10	36924.09	36918.08	36912.07	36906.06	36900.05	36894.04	36888.03	36882.02		
230.0	40747.10	40740.09	40736.10	40730.09	40724.08	40718.07	40712.06	40706.05	40700.04	40694.03	40688.02	40682.01		
235.0	44747.09	44740.08	44736.09	44730.08	44724.07	44718.06	44712.05	44706.04	44700.03	44694.02	44688.01	44682.00		
240.0	48947.08	48940.07	48936.08	48930.07	48924.06	48918.05	48912.04	48906.03	48900.02	48894.01	48888.00	48882.00		
245.0	53347.07	53340.06	53336.07	53330.06	53324.05	53318.04	53312.03	53306.02	53300.01	53294.00	53288.00	53282.00		
250.0	57947.06	57940.05	57936.06	57930.05	57924.04	57918.03	57912.02	57906.01	57900.00	57894.00	57888.00	57882.00		
255.0	62747.05	62740.04	62736.05	62730.04	62724.03	62718.02	62712.01	62706.00	62700.00	62694.00	62688.00	62682.00		
260.0	67747.04	67740.03	67736.04	67730.03	67724.02	67718.01	67712.00	67706.00	67700.00	67694.00	67688.00	67682.00		
265.0	72947.03	72940.02	72936.03	72930.02	72924.01	72918.00	72912.00	72906.00	72900.00	72894.00	72888.00	72882.00		
270.0	78347.02	78340.01	78336.02	78330.01	78324.00	78318.00	78312.00	78306.00	78300.00	78294.00	78288.00	78282.00		
275.0	83947.01	83940.00	83936.01	83930.00	83924.00	83918.00	83912.00	83906.00	83900.00	83894.00	83888.00	83882.00		
280.0	89747.00	89740.00	89736.00	89730.00	89724.00	89718.00	89712.00	89706.00	89700.00	89694.00	89688.00	89682.00		
285.0	95747.00	95740.00	95736.00	95730.00	95724.00	95718.00	95712.00	95706.00	95700.00	95694.00	95688.00	95682.00		
290.0	101947.00	101940.00	101936.00	101930.00	101924.00	101918.00	101912.00	101906.00	101900.00	101894.00	101888.00	101882.00		
295.0	108347.00	108340.00	108336.00	108330.00	108324.00	108318.00	108312.00	108306.00	108300.00	108294.00	108288.00	108282.00		
300.0	114947.00	114940.00	114936.00	114930.00	114924.00	114918.00	114912.00	114906.00	114900.00	114894.00	114888.00	114882.00		
305.0	121747.00	121740.00	121736.00	121730.00	121724.00	121718.00	121712.00	121706.00	121700.00	121694.00	121688.00	121682.00		
310.0	128747.00	128740.00	128736.00	128730.00	128724.00	128718.00	128712.00	128706.00	128700.00	128694.00	128688.00	128682.00		
315.0	135947.00	135940.00	135936.00	135930.00	135924.00	135918.00	135912.00	135906.00	135900.00	135894.00	135888.00	135882.00		
320.0	143347.00	143340.00	143336.00	143330.00	143324.00	143318.00	143312.00	143306.00	143300.00	143294.00	143288.00	143282.00		
325.0	150947.00	150940.00	150936.00	150930.00	150924.00	150918.00	150912.00	150906.00	150900.00	150894.00	150888.00	150882.00		
330.0	161047.00	159.09	159.43	150.83	143.32	134.21	123.83	112.53	100.69	88.61	76.59	64.87		
335.0	76.96	76.43	73.64	72.01	69.78	66.99	63.70	59.96	55.83	51.37	46.62	41.61		
340.0	36.61	36.27	33.86	33.23	32.41	31.47	30.46	29.43	28.39	27.34	26.20	24.91		
345.0	38.57	38.28	37.40	35.97	34.06	31.68	28.99	26.13	23.26	20.39	18.36	16.65		
350.0	40.73	40.54	39.97	38.99	37.59	35.76	33.61	30.60	27.36	23.79	20.09	16.59		
355.0	36.59	36.49	36.19	35.76	35.14	32.38	31.37	29.99	28.09	25.57	22.42	18.76		



Prepared by

dataworld

SAN MATEO

SANTA CLARA

SANTA CRUZ

SAN BENITO

Pacific
Ocean

CALIFORNIA

MONTEREY

KCTY(AM) Daytime
Transmitter Site:
36-43-59 121-35-35.8
Scale = 1:580,000
May 10, 1999

0 5 10 15
miles
0 5 10 15 20 25
kilometers

25.0 mV/m

5.0 mV/m

2.0 mV/m



Radio Suprema, Inc.
KCTY 980 KHz
10,000 Watts, DA-2
Application for
Station License

13 Degree Radial Tabulation of Field Strength Measurements

Point No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	560	1/29	0932							
2	.6	450	1/29	0947							
3	.7	378	1/29	0951							
4	.8	360	1/29	1003							
5	.9	300	1/29	1023							
6	1.0	300	1/29	1034							
7	1.1	278	1/29	1046							
8	1.2	235	1/29	1054	35	3/29	1251	60	5/02	1508	
9	1.3	210	1/29	1110	0			0			
10	1.4	195	1/29	1118	28	3/29	1241	38	5/02	1511	
11	1.5	190	1/29	1128	20	3/29	1237	40	5/02	1517	
12	1.6	155	1/29	1142	19	3/29	1233	35	5/02	1519	
13	1.7	148	1/29	1200	17	3/29	1228	32	5/02	1522	
14	1.8	145	1/29	1212	13	3/29	1224	30	5/02	1526	
15	1.9	140	1/29	1219	15.5	3/29	1217	36	5/02	1530	
16	2.0	130	1/29	1225	15	3/29	1213	28	5/02	1532	
17	2.5	90	1/29	1519	11	3/29	1209	20	5/02	1435	
18	2.9	70	1/29	1342	9	3/29	1202	16	5/02	1438	
19	3.0	72	1/29	1330	9	3/29	1159	16	5/02	1441	
20	3.1	52	1/29	1359	7.5	3/29	1153	10	5/02	1444	
21	3.2	79	1/29	1402	7	3/29	1149	16	5/02	1447	
22	3.3	82	1/29	1415	0	3/29	1143	18	5/02	1450	
23	3.4	90	1/29	1423	7	3/29	1139	20	5/02	1455	
24	3.5	90	1/29	1427	7.5	3/29	1131	18	5/02	1458	
25	4.84	28	1/29	1437	3	3/29	1125	6	5/02	1503	
26	6.87	25	1/29	1446	2.5	3/29	1116	6	5/02	1508	Mon. Pt.
27	7.59	20	1/29	1454	2.2	3/29	1111	5	5/02	1517	
28	10.5	19	1/29	1509	1.4	3/29	1108	7	5/02	1522	
29	11.5	10	1/29	1512	1.2	3/29	1058	2.5	5/02	1535	
30	13.2	14	1/29	1519	1	3/29	1051	4.5	5/02	1542	
31	15.9	9.5	1/29	1524	1	3/29	1046	3.3	5/02	1552	
32	17.1	7.8	1/29	1529	.95	3/29	1039	1.7	5/02	1559	
33	20.9	5.8	1/29	1538	.9	3/29	1035	1.3	5/02	1609	
34	21.7	5.5	1/29	1542	.8	3/29	1029	1.5	5/02	1620	
35	25.4	5.8	1/29	1549	.6	3/29	1023	1.6	5/02	1632	
36	26.2	5.5	1/29	1553	.58	3/29	1018	1.7	5/02	1647	
37	27.0	4.8	1/29	1558	.5	3/29	1009	1.4	5/02	1650	
38	29.2	3.8	1/29	1609	.48	3/29	1004	1.4	5/02	1655	

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63 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
1	.52	540	1/28	1126						
2	.6	395	1/28	1129						
3	.7	330	1/28	1131						
4	.8	370	1/28	1134						
5	.9	370	1/28	1136						
6	1.08	340	1/28	1139						
7	1.10	370	1/28	1141	95	3/27	1143	100	4/19	1024
8	1.17	340	2/11	1605	85	3/27	1201	90	4/19	1027
9	1.23	300	2/11	1608	75	3/27	1207	70	4/19	1030
10	1.37	285	2/11	1614	48	3/27	1211	75	4/19	1032
11	1.64	175	1/28	1154	25	3/27	1213	35	4/19	1035
12	1.86	190	1/28	1156	20	3/27	1219	25	4/19	1039
13	2.24	130	1/28	1159	15	3/27	1221	32	4/19	1041
14	2.48	105	1/28	1202	12	3/27	1228	18	4/19	1044
15	2.59	105	1/28	1206	12.5	3/27	1232	20	4/19	1049
16	2.74	85	1/28	1209	11	3/27	1239	18	4/19	1053
17	2.82	74	1/28	1211	9	3/27	1242	16.5	4/19	1056
18	4.32	25	1/30	1225	3.2	3/11	0946	6	4/19	1222
19	6.4	25	1/30	1215	2.8	3/11	0914	5.5	4/19	1246
20	8.92	11	1/29	1220	1.2	3/11	0911	2.2	4/19	1303
21	11.3	3.4	1/29	1308	.4	3/11	0905	.6	4/19	1455
22	12.6	4.0	1/27	1255	.5	3/11	1029	.9	4/19	1446
23	13.0	3.3	1/27	1253	.4	3/11	1032	.8	4/19	1431
24	13.9	1.8	1/27	1246	.3	3/11	1040	.7	4/19	1422
25	18.2	1.5	1/27	1057	0.0			.5	4/19	1417
26	19.4	1.6	1/27	1043	.32	3/11	1058	.6	4/19	1412
27	20.2	1.8	1/26	1420	.3	3/11	1104	.4	4/19	1409
28	20.6	1.8	1/26	1414	.2	3/11	1107	.3	4/19	1406
29	21.9	1.6	1/26	1406	.2	3/11	1118	.2	4/19	1401
30	23.0	1.8	1/26	1358	0.0			.2	4/19	1354
31	24.0	1.6	1/26	1349	.12	3/11	1122	0.0		
32	28.7	1.3	1/26	1305	.1	3/11	1136	0.0		

Mon. Pt.

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113 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	595	1/30	1120							
2	.6	510	1/30	1136							
3	.7	420	1/30	1142							
4	.8	355	1/30	1148							
5	.9	279	1/30	1155							
6	1.0	240	1/30	1320							
7	1.1	218	1/30	1226	40	3/28	1143	105	4/28	0928	
8	1.2	210	1/30	1232	28	3/28	1154	90	4/28	0931	
9	1.3	192	1/30	1242	20	3/28	1159	68	4/28	0937	
10	1.4	172	1/30	1248	18	3/28	1202	70	4/28	0941	
11	1.5	163	1/30	1255	20	3/28	1209	50	4/28	0946	
12	1.6	138	1/30	1306	16	3/28	1211	38	4/28	0949	
13	1.7	129	1/30	1315	14	3/28	1214	42	4/28	0953	
14	1.8	128	1/30	1321	14	3/28	1219	28	4/28	0955	
15	1.9	121	1/30	1329	14	3/28	1222	22	4/28	0959	
16	2.0	105	1/30	1335	12	3/28	1225	30	4/28	1003	
17	2.1	113	1/30	1341	12.5	3/28	1229	35	4/28	1009	
18	2.2	100	1/30	1347	11	3/28	1234	28	4/28	1012	
19	2.3	80	1/30	1352	12	3/28	1238	25	4/28	1016	
20	2.4	90	1/30	1358	10.5	3/28	1242	25	4/28	1020	Mon. Pt.
21	2.5	78	1/30	1409	10	3/28	1248	18	4/28	1026	
22	2.6	72	1/30	1415	9	3/28	1251	20	4/28	1030	
23	4.2	52	1/28	1145	5.4	3/30	1028	14	4/28	1044	
24	4.36	28.5	1/28	1115	4.8	3/30	1059	11	4/28	1055	
25	4.99	42	1/28	1202	5	3/30	1150	10	4/28	1109	
26	5.64	34	1/28	1402	3	3/30	1214	9	4/28	1124	
27	6.45	16	1/28	1430	2.5	3/30	1230	4	4/28	1138	
28	9.3	12	1/27	1330	1.4	3/30	1245	2	4/28	1203	
29	11.3	10	1/30	1200	1.2	3/30	1302	2.6	4/28	1219	
30	13.3	5.1	1/27	1330	.6	3/30	1311	1.2	4/28	1228	
31	16.9	2.2	1/30	1150	.25	3/30	1322	1	4/28	1235	
32	18.4	1.35	1/30	1146	.15	3/30	1334	1	4/28	1248	
33	21.8	1.5	1/30	1140	.15	3/30	1341	.9	4/28	1255	
34	23.25	1.1	1/27	1220	.12	3/30	1357	.8	4/28	1311	
35	25.1	.62	1/30	1128	.07	3/30	1404	.8	4/28	1324	
36	27.2	.8	1/27	1140	.05	3/30	1418	.5	4/28	1339	
37	29.1	.82	1/27	1055	0			0			
38	29.97	.52	1/30	1102	0			0			

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129 Degree Radial Tabulation of Field Strength Measurement

Point No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	657	2/06	1406							
2	.6	540	2/06	1401							
3	.7	380	2/06	1358							
4	.8	340	2/06	1354							
5	.9	307	2/06	1352							
6	1.0	252	2/06	1349							
7	1.1	255	2/06	1346	160	3/28	1149				
8	1.2	229	2/06	1342	100	3/28	1146	60	5/01	0934	
9	1.3	188	2/06	1339	80	3/28	1141	40	5/01	0937	
10	1.4	198	2/06	1337	90	3/28	1137	25	5/01	0942	
11	1.5	162	2/06	1333	80	3/28	1131	18	5/01	0945	
12	1.6	158	2/06	1329	60	3/28	1126	16	5/01	0949	
13	1.7	162	2/06	1326	75	3/28	1122	16	5/01	0951	Mon. Pt.
14	1.8	140	2/06	1324	65	3/28	1119	15	5/01	0953	
15	1.9	185	2/06	1320	70	3/28	1116	14	5/01	0955	
16	2.0	148	2/06	1317	62	3/28	1112	15.5	5/01	0959	
17	2.1	155	2/60	1315	65	3/28	1109	15	5/01	1004	
18	2.2	135	2/06	1312	50	3/28	1107	12	5/01	1006	
19	2.3	112	2/06	1306	46	3/28	1100	11	5/01	1009	
20	2.4	118	2/06	1303	40	3/28	1051	09	5/01	1011	
21	2.5	115	2/06	1259	38	3/28	1042	10	5/01	1014	
22	2.6	96	2/06	1257	25	3/28	1034	9	5/01	1017	
23	2.7	89	2/06	1252	28	3/28	1029	9	5/01	1019	
24	2.8	105	2/06	1246	35	3/28	1023	9	5/01	1023	
25	2.9	105	2/06	1243	34	3/28	1021	8	5/01	1027	
26	2.99	81	2/06	1238	28	3/28	1014	9	5/01	1032	
27	3.06	98	2/06	1229	30	3/28	1011	7	5/01	1518	
28	3.83	60	2/11	1330	20	3/30	0940	5	5/01	1523	
29	3.95	66	2/11	1200	19.5	3/30	0944	6	5/01	1515	
30	5.34	44	2/11	1330	15	3/30	0954	4	5/01	1507	
31	5.44	35	2/13	1349	11	3/30	0959	3	5/01	1546	
32	9.10	12	2/13	1325	4	3/30	1011	.3	5/01	1426	
33	10.19	11	2/13	1313	2	3/30	1020	1.2	5/01	1435	
34	22.5	1.5	2/13	1307	.5	3/30	1041	.2	5/01	1419	
35	34.3	1.13	2/13	1126	0.1	3/30	1055	.1	5/01	1318	

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145 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	687	2/11	1233							
2	.6	540	2/11	1227							
3	.7	380	2/11	1223							
4	.8	340	2/11	1221							
5	.9	307	2/11	1217							
6	1.00	252	2/11	1211							
7	1.10	255	2/11	1208	160	3/30	0930	50	4/30	1003	
8	1.20	229	2/11	1205	110	3/30	0934	25	4/30	1006	
9	1.30	188	2/11	1202	98	3/30	0936	20	4/30	1009	Mon. Pt.
10	1.40	198	2/11	1159	85	3/30	0939	20	4/30	1012	
11	1.50	162	2/11	1155	80	3/30	0943	18	4/30	1015	
12	1.60	153	2/11	1152	85	3/30	1240	20	4/30	1018	
13	1.70	159	2/11	1149	92	3/30	1244	18	4/30	1023	
14	1.80	146	2/11	1145	72	3/30	1248	15	4/30	1029	
15	1.90	138	2/11	1140	75	3/30	1250	12	4/30	1032	
16	2.00	137	2/11	1133	85	3/30	1253	12	4/30	1036	
17	2.10	141	2/11	1130	80	3/30	1254	12.5	4/30	1040	
18	2.20	138	2/11	1126	72	3/30	1256	12	4/30	1044	
19	2.30	120	2/11	1118	54	3/30	1259	10	4/30	1049	
20	2.40	95	2/11	1112	40	3/30	1303	10	4/30	1052	
21	2.50	111	2/11	1108	48	3/30	1306	9	4/30	159	
22	2.59	103	2/11	1104	60	3/30	1309	9	4/30	1103	
23	2.69	100	2/11	1100	48	3/30	1314	9.5	4/30	1109	
24	2.78	87	2/11	1057	50	3/30	1316	9	4/30	1112	
25	2.90	80	2/11	1052	32	3/30	1318	8.5	4/30	1745	
26	3.00	100	2/11	1046	54	3/30	1322	10.5	4/30	1743	
27	4.13	70	2/12	0955	32	3/30	1329	5	4/30	1740	
28	12.90	14	2/12	1105	6	3/30	1330	1.5	4/30	1729	
29	14.60	12	2/12	1140	5	3/30	1339	1.4	4/30	1614	
30	16.40	10.5	2/12	1209	5	3/30	1344	1.2	4/30	1559	
31	19.80	8.2	2/12	1224	4.5	3/30	1350	1.4	4/30	1552	
32	21.20	7.5	2/12	1234	0			1.0	4/30	1544	
33	23.80	6.2	2/12	1311	3	3/30	1401	.95	4/30	1539	
34	24.90	5.0	2/12	1322	4	3/30	1406	.9	4/30	1536	
35	26.30	5.2	2/12	1326	2	3/30	1411	.75	4/30	1532	
36	27.40	5.9	2/12	1510	2.5	3/30	1435	.5	4/30	1528	
37	28.80	5.2	2/12	1338	2.5	3/30	1437	.5	4/30	1518	
38	29.80	5.1	2/12	1350	2.2	3/30	1441	.5	4/30	1516	
39	29.90	6.2	2/12	1357	2.0	3/30	1446	.5	4/30	1509	
40	31.30	5.0	2/12	1359	2.0	3/30	1449	.5	4/30	1500	

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150 Degree Radial Tabulation of Field Strength Measurements

Point No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	670	1/30	0930							
2	.6	530	1/30	0936							
3	.7	410	1/30	0939							
4	.8	300	1/30	0942							
5	.88	285	1/30	0945							
6	.97	265	1/30	0948	120	3/26	1045	105	5/03	1019	
7	1.13	250	1/30	0951	92	3/26	1051	90	5/03	1022	
8	1.20	205	1/30	0954	70	3/26	1100	70	5/03	1025	Mon. Pt.
9	1.30	185	1/30	0957	74	3/26	1104	60	5/03	1028	
10	1.40	185	1/30	1002	82	3/26	1106	40	5/03	1031	
11	1.50	170	1/30	1005	76	3/26	1109	34	5/03	1033	
12	1.60	155	1/30	1009	68	3/26	1115	28	5/03	1037	
13	1.70	140	1/30	1012	60	3/26	1117	32	5/03	1039	
14	1.80	145	1/30	1016	71	3/26	1119	30	5/03	1042	
15	1.90	135	1/30	1019	70	3/26	1132	28	5/03	1044	
16	1.99	135	1/30	1022	66	3/26	1135	25	5/03	1047	
17	2.10	120	1/30	1026	66	3/26	1137	24	5/03	1049	
18	2.21	140	1/30	1031	95	3/26	1140	22	5/03	1051	
19	2.29	115	1/30	1036	67	3/26	1142	20	5/03	1055	
20	2.39	110	1/30	1039	57	3/26	1144	18	5/03	1058	
21	2.50	102	1/30	1043	52	3/26	1147	22	5/03	1100	
22	2.61	105	1/30	1046	58	3/26	1151	18	5/03	1103	
23	2.70	96	1/30	1051	48	3/26	1154	18	5/03	1109	
24	2.80	90	1/30	1055	58	3/26	1158	15	5/03	1112	
25	2.90	100	1/30	1059	66	3/26	1202	18	5/03	1745	
26	3.00	100	1/30	1103	65	3/26	1204	20	5/03	1743	
27	3.10	98	1/30	1106	65	3/26	1206	15	5/03	1740	
28	3.20	95	1/30	1109	63	3/26	1208	16	5/03	1738	
29	3.30	90	1/30	1114	57	3/26	1216	15	5/03	1735	
30	3.40	85	1/30	1119	54	3/26	1218	18	5/03	1732	
31	3.50	90	1/30	1121	52	3/26	1220	17	5/03	1728	
32	3.60	80	1/30	1123	49	3/26	1224	16	5/03	1723	
33	3.70	70	1/30	1127	46	3/26	1232	15	5/03	1713	
34	3.80	60	1/30	1130	56	3/26	1234	15.2	5/03	1245	
35	3.90	55	1/30	1133	57	3/26	1236	14	5/03	1249	
36	4.00	48	1/30	1135	25	3/26	1238	12	5/03	1253	
37	4.10	38	1/30	1137	20	3/26	1241	10	5/03	1447	
38	4.22	68	1/30	1139	38	3/26	1245	12	5/03	1449	
39	4.90	56	1/30	1142	28.5	3/26	1249	11	5/03	1453	
40	6.33	42	1/30	1145	21	3/26	1257	9	5/03	1506	

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150 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
41	6.79	36	1/30	1149	18.5	3/26	1314	8	5/03	1510
42	8.26	32	1/30	1155	16.5	3/26	1319	7	5/03	1527
43	8.55	33	1/30	1202	16.5	3/26	1322	6.5	5/03	1544
44	8.86	22	1/30	1204	13.0	3/26	1324	5.8	5/03	1600
45	12.07	21	1/30	1219	10.5	3/26	1334	4.8	5/03	1637
46	12.16	21.5	1/30	1222	10.0	3/26	1337	4.5	5/03	1642
47	13.04	19.0	1/30	1228	9.2	3/26	1342	4.0	5/03	1647
48	13.73	20.0	1/30	1231	8.8	3/26	1349	4.0	5/03	1651
49	16.50	16.0	1/30	1247	8.2	3/26	1356	2.5	5/03	1659
50	17.21	14.0	1/30	1257	7.2	3/26	1408	2.8	5/03	1711
51	19.51	12.5	1/30	1321	6.8	3/26	1416	2.5	5/03	1720
52	22.00	6.5	1/30	1329	6.5	3/26	1425	2.2	5/03	1726
53	25.90	9.2	1/30	1337	6.0	3/26	1433	2.0	5/03	1731
54	26.58	7.5	1/30	1343	3.5	3/26	1439	1.5	5/03	1737
55	28.40	6.8	1/30	1353	3.3	3/26	1448	0.9	5/03	1743
56	29.10	9.0	1/30	1359	3.0	3/26	1457	1.2	5/03	1759

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200 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
1	.5	600	1/29	0944						
2	.6	460	1/29	0951						
3	.7	390	1/29	1003						
4	.8	305	1/29	1015						
5	.9	310	1/29	1036						
6	1.00	310	1/29	1044						
7	1.13	285	1/29	1053	1700	3/11	0930	1600	4/26	1022
8	1.20	249	1/29	1100	1400	3/11	0934	1400	4/26	1025
9	1.30	242	1/29	1106	1350	3/11	0936	1250	4/26	1028
10	1.40	215	1/29	1115	1200	3/11	0939	1100	4/26	1031
11	1.50	220	1/29	1119	1200	3/11	0943	1200	4/26	1033
12	1.60	192	1/29	1124	1000	3/11	1240	900	4/26	1037
13	1.70	181	1/29	1130	990	3/11	1244	950	4/26	1039
14	1.80	157	1/29	1138	850	3/11	1248	800	4/26	1042
15	1.90	155	1/29	1143	850	3/11	1250	810	4/26	1044
16	2.00	145	1/29	1148	800	3/11	1253	750	4/26	1047
17	2.10	135	1/29	1200	750	3/11	1254	725	4/26	1049
18	2.20	132	1/29	1205	700	3/11	1256	675	4/26	1051
19	2.30	122	1/29	1210	725	3/11	1259	650	4/26	1055
20	2.45	120	1/29	1215	680	3/11	1303	650	4/26	1058
21	2.50	122	1/29	1219	700	3/11	1306	650	4/26	1100
22	2.60	115	1/29	1221	550	3/11	1309	540	4/26	1103
23	2.70	105	1/29	1225	600	3/11	1314	550	4/26	1109
24	2.80	100	1/25	0940	540	3/11	1316	500	4/26	1112
25	3.00	95	1/25	0950	530	3/11	1318	470	4/26	1745
26	3.20	90	1/25	1005	438	3/11	1322	440	4/26	1743
27	3.65	70	1/25	1030	420	3/11	1329	430	4/26	1740
28	4.00	70	1/25	1039	400	3/11	1330	430	4/26	1738
29	4.50	68	2/15	1037	308	3/11	1339	325	4/26	1735
30	5.52	55	2/15	1047	250	3/11	1344	225	4/26	1732
31	5.99	25	2/15	1052	180	3/11	1350	178	4/26	1728
32	6.94	32	2/15	1059	168	3/11	1357	170	4/26	1723
33	7.33	42	2/15	1105	204	3/11	1401	210	4/26	1713
34	8.25	34	2/15	1111	168	3/11	1406	158	4/26	1245
35	9.15	33	2/15	1115	160	3/11	1411	130	4/26	1249
36	10.1	27	2/15	1121	132	3/11	1435	130	4/26	1253
37	11.1	24	2/15	1123	123	3/11	1437	110	4/26	1447
38	12.1	20	2/15	1128	108	3/11	1441	100	4/26	1450
39	13.2	22	2/15	1132	122	3/11	1446	118	4/26	1453
40	13.4	20	2/15	1134	102	3/11	1449	105	4/26	1506

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200 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
41	14.75	25	2/15	1139	100	3/11	1454		95	4/26 1510
42	21.5	5.6	2/15	1145	23	3/11	1509		22	4/26 1527
43	24.65	3.5	2/15	1155	19	3/11	1514		13	4/26 1544
44	26.45	5.0	2/15	1204	23	3/11	1523		27	4/26 1600
45	31.40	1.9	2/15	1219	8	3/11	1532		8	4/26 1637

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243 Degree Radial Tabulation of Field Strength Measurements

Po-nt No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
1	.5	520	1/29	1120						
2	.6	450	1/29	1136						
3	.7	400	1/29	1142						
4	.8	335	1/29	1148						
5	.9	280	1/29	1155	2500	3/12	0920			
6	1.0	245	1/29	1320	2050	3/12	0922			
7	1.1	225	1/29	1226	2000	3/12	0925	105	4/28	0928
8	1.2	195	1/29	1232	1800	3/12	0929	90	4/28	0931
9	1.3	205	1/29	1242	1350	3/12	0931	1500	4/28	0937
10	1.4	190	1/29	1248	1325	3/12	0933	1400	4/28	0941
11	1.5	175	1/29	1255	1300	3/12	0938	1350	4/28	0946
12	1.6	160	1/29	1306	1250	3/12	0941	1300	4/28	0949
13	1.7	145	1/29	1315	1150	3/12	0944	1250	4/28	0953
14	1.8	145	1/29	1321	1100	3/12	0948	1250	4/28	0955
15	1.9	147	1/29	1329	1120	3/12	0952	1200	4/28	0959
16	2.0	160	1/29	1335	1290	3/12	0955	1320	4/28	1003
17	2.1	120	1/29	1341	900	3/12	0958	1000	4/28	1009
18	2.2	117	1/29	1347	875	3/12	1001	950	4/28	1012
19	2.3	120	1/29	1352	850	3/12	1004	900	4/28	1016
20	2.4	110	1/29	1358	800	3/12	1007	880	4/28	1020
21	2.5	105	1/29	1409	750	3/12	1009	850	4/28	1026
22	2.6	105	1/29	1415	700	3/12	1011	800	4/28	1030
23	2.7	100	1/29	1145	750	3/12	1014	800	4/28	1044
24	4.09	66	1/25	0935	438	3/12	1022	450	4/28	1203
25	4.55	60	1/25	0940	300	3/12	1026	425	4/28	1214
26	5.09	54	1/25	0948	352	3/12	1033	380	4/28	1221
27	5.71	48	1/25	0949	305	3/12	1040	300	4/28	1228
28	6.07	40	1/25	0933	290	3/12	1048	290	4/28	1230
29	6.24	40.5	1/25	0937	0	3/12	1055	0	4/28	1233
30	6.48	42	1/25	1000	240	3/12	1100	240	4/28	1237
31	6.82	35	1/25	1003	270	3/12	1108	280	4/28	1242
32	7.13	39	1/25	1007	245	3/12	1112	240	4/28	1247
33	7.3	34	1/25	1012	228	3/12	1131	250	4/28	1256
34	7.61	35	1/25	1018	135	3/12	1139	170	4/28	1300
35	8.05	21	1/25	1030	0			0		
36	8.2	27	1/25	1034	240	3/12	1144	240	4/28	1307
37	8.31	23	1/25	1041	0			0		
38	8.5	29	1/25	1046	0			0		
39	9.91	28.7	1/25	1058	125	3/12	1152	187	4/28	1313
40	11.75	20.5	1/25	1106	170	3/12	1202	150	4/28	1320

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243 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
41	12.9	18	1/25	1110	139	3/12	1205	130	4/28	1328
42	16	13.5	1/25	1124	97	3/12	1215	100	4/28	1133
43	17.5	10	1/25	1138	80	3/12	1221	84	4/28	1137
44	18.9	38	1/25	1144	38	3/12	1226	50	4/28	1140
45	19.7	8.5	1/25	1149	52	3/12	1320	48	4/28	1144
46	20.9	7	1/25	1153	0			0		
47	21.3	6	1/25	1201	40	3/12	1333	35	4/28	1151
48	23	3.9	1/25	1207	25	3/12	1340	25	4/28	1155
49	24.3	3.6	1/25	1213	0			0		

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Point No.	Dist. Km.	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
1	.5	540	1/29	0934						
2	.6	460	1/29	0938						
3	.7	410	1/29	0941						
4	.8	310	1/29	0945						
5	.9	300	1/29	0947						
6	1.00	235	1/29	0949						
7	1.10	235	1/29	0951						
8	1.20	215	1/29	0954						
9	1.30	210	1/29	0957						
10	1.40	195	1/29	0959						
11	1.50	190	1/29	1001	930	3/12	0943	850	4/29	0955
12	1.62	155	1/29	1003	750	3/12	0946	800	4/29	0957
13	1.70	150	1/29	1006	850	3/12	0949	780	4/29	0959
14	1.81	145	1/29	1007	580	3/12	0952	490	4/29	1002
15	1.92	145	1/29	1009	830	3/12	0953	810	4/29	1004
16	2.02	130	1/29	1011	700	3/12	0955	700	4/29	1006
17	2.11	130	1/29	1014	680	3/12	0958	650	4/29	1008
18	2.22	125	1/29	1016	640	3/12	1007	650	4/29	1011
19	2.31	123	1/29	1019	700	3/12	1009	625	4/29	1016
20	2.41	115	1/29	1021	680	3/12	1011	600	4/29	1021
21	2.52	115	1/29	1023	580	3/12	1013	540	4/29	1024
22	2.62	105	1/29	1025	525	3/12	1015	500	4/29	1029
23	2.74	100	1/29	1027	530	3/12	1019	480	4/29	1033
24	2.81	99	1/29	1029	540	3/12	1021	480	4/29	1036
25	2.90	96	1/29	1033	570	3/12	1023	480	4/29	1038
26	3.00	90	1/29	1035	530	3/12	1025	450	4/29	1041
27	3.59	80	1/25	1419	385	3/12	1029	300	4/29	1407
28	5.95	49	1/27	1407	230	3/12	1554	200	4/29	1338
29	6.46	44	1/25	1358	210	3/12	1544	185	4/29	1334
30	6.96	35	1/25	1353	180	3/12	1540	180	4/29	1321
31	12.77	18	1/25	1342	102	3/12	1523	95	4/29	1249
32	14.29	16	1/25	1335	100	3/12	1500	90	4/29	1238
33	15.27	15.8	1/25	1311	59	3/12	1450	64	4/29	1231
34	15.49	16.5	1/25	1308	65	3/12	1439	60	4/29	1227
35	15.78	7.2	1/25	1306	60	3/12	1434	58	4/29	1219
36	16.2	15	1/25	1300	57	3/12	1429	60	4/29	1202
37	17.5	13.5	1/25	1254	56	3/12	1426	58	4/29	1158
38	18.5	14	1/25	1247	50	3/12	1418	48	4/29	1149



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336 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
1	.5	560	1/30	1015						
2	.6	460	1/30	1017						
3	.7	410	1/30	1021						
4	.8	360	1/30	1023						
5	.9	330	1/30	1025						
6	1.00	200	1/30	1029						
7	1.13	265	1/30	1031						
8	1.20	255	1/30	1033	130	3/29	1157	40	4/29	0931
9	1.29	240	1/30	1036	100	3/29	1238	35	4/29	0937
10	1.39	225	1/30	1039	0			0		
11	1.50	200	1/30	1042	92	3/29	1242	24	4/29	0946
12	1.60	150	1/30	1044	0			0		
13	1.72	165	1/30	1046	80	3/29	1248	20	4/29	0953
14	1.88	95	1/30	1049	75	3/29	1300	18	4/29	0955
15	2.00	125	1/30	1051	70	3/29	1302	15	4/29	0959
16	2.10	120	1/30	1056	0			0		
17	2.21	115	1/30	1059	55	3/29	1305	16	4/29	1009
18	2.30	135	1/30	1101	0			0		
19	2.40	112	1/30	1104	45	3/29	1308	14	4/29	1016
20	2.50	82	1/30	1106	35	3/29	1311	12	4/29	1020
21	2.60	120	1/30	1111	52	3/29	1313	10	4/29	1026
22	2.70	110	1/30	1113	40	3/29	1317	10	4/29	1030
23	2.79	105	1/30	1117	58	3/29	1331	9.5	4/29	1044
24	2.83	93	1/30	1121	60	3/29	1336	10	4/29	1203
25	2.98	90	1/25	0940	46	3/31	1201	12	4/29	1201 Mon. Pt.
26	3.77	62	1/25	0948	40	3/31	1206	8	4/29	1230
27	7.32	18	1/25	0949	10	3/31	1212	2	4/29	1246
28	7.87	23	1/25	0933	12	3/31	1218	2.5	4/29	1254
29	8.31	23.5	1/25	0937	12	3/31	1223	3	4/29	1313
30	9.39	16.5	1/25	1000	8.5	3/31	1229	1.8	4/29	1325
31	10.00	16	1/25	1003	8.2	3/31	1237	2.2	4/29	1337
32	10.04	18	1/25	1007	9.0	3/31	1243	2.3	4/29	1339
33	10.65	14.5	1/25	1012	5.5	3/31	1257	1.1	4/29	1343
34	10.79	11	1/25	1018	6.0	3/31	1309	1.4	4/29	1348
35	11.01	9	1/25	1030	4.5	3/31	1321	1.1	4/29	1352
36	11.73	15	1/25	1034	4.0	3/31	1343	2.5	4/29	1400
37	12.33	10	1/25	1041	5.0	3/31	1400	1.5		
38	15.76	6.1	1/25	1046	1.3	3/31	1415	0.9		
39	16.67	4.7	1/25	1058	0.0			0.0		
40	20.00	4.7	1/25	1106	2.6	3/31	1437	1.0	4/29	1415



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336 Degree Radial Tabulation of Field Strength Measurements

Point No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
41	23.2	3.9	1/25	1116	3	3/31	1442	1.4	4/29	1429
42	24.29	6.0	1/25	1133	0			0		
43	25.04	2.9	1/25	1145	2	3/31	1449	.375	4/29	1456
44	26.02	2.6	1/25	1154	2	3/31	1458	.45	4/29	1501
45	28.44	3.0	1/25	1210	1.2	3/31	1511	.2	4/29	1511
46	29.83	2.5	1/25	1218	1.2	3/31	1524	.25	4/29	1519
47	30.24	2.25	1/25	1230	0			0		

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341 Degree Radial Tabulation of Field Strength Measurements

Point No.	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	560	2/03	1002							
2	.6	440	2/03	1007							
3	.7	375	2/03	1010							
4	.8	340	2/03	1015							
5	.9	260	2/03	1018							
6	1.00	258	2/03	1021							
7	1.10	230	2/03	1026	115	3/29	1203	60	4/30	1008	
8	1.20	122	2/03	1045	105	3/29	1510	40	4/30	1010	
9	1.30	200	2/03	1051	100	3/29	1507	35	4/30	1014	
10	1.40	170	2/03	1111	92	3/29	1505	25	4/30	1016	
11	1.50	168	2/03	1117	100	3/29	1509	19	4/30	1019	
12	1.60	110	2/03	1120	68	3/29	1502	11	4/30	1021	
13	1.70	140	2/03	1130	110	3/29	1457	8	4/30	1026	
14	1.80	0			85	3/29	1454	12	4/30	1029	
15	1.90	130	2/03	1142	64	3/29	1450	10	4/30	1033	
16	2.00	125	2/03	1155	0			0			
17	2.10	100	2/03	1200	45	3/29	1443	9	4/30	1042	
18	2.20	94	2/03	1206	0			10	4/30	1046	
19	2.40	68	2/03	1212	50	3/29	1438	14	4/30	1049	
20	2.50	75	2/03	1224	24	3/29	1431	12	4/30	1054	
21	2.60	69	2/03	1230	0			10	4/30	1059	
22	2.70	51	2/03	1235	0			8	4/30	1101	
23	2.80	48	2/03	1242	45	3/29	1412	9.5	4/30	1109	
24	2.88	60	2/03	1246	95	3/29	1408	6	4/30	1111	
25	3.00	65	1/25	0940	36	3/31	1341	5.5	4/30	1119	Mon. Pt.
26	4.15	48	1/25	0948	19	3/31	1334	4	4/30	1126	
27	4.30	44	1/25	0949	18	3/31	1329	4.2	4/30	1129	
28	4.47	30	1/25	0933	16	3/31	1327	3.1	4/30	1134	
29	6.50	26	1/25	0937	14	3/31	1322	2.5	4/30	1141	
30	6.56	14	1/25	1000	19	3/31	1319	2.0	4/30	1149	
31	8.33	17	1/25	1003	9.0	3/31	1316	1.0	4/30	1154	
32	9.98	15	1/25	1007	10.0	3/31	1313	0.9	4/30	1158	
33	10.60	8	1/25	1012	3.5	3/31	1310	1.1	4/30	1203	
34	13.20	9.5	1/25	1018	4.0	3/31	1302	0.7	4/30	1210	
35	14.80	7.8	1/25	1030	0.0			0.8	4/30	1215	
36	15.40	6.2	1/25	1034	2.0	3/31	1259	0.5	4/30	1222	
37	15.90	5.8	1/25	1041	3.2	3/31	1253	0.5	4/30	1229	
38	17.90	4.8	1/25	1046	2.5	3/31	1245	0.9	4/30	1234	
39	18.70	4.6	1/25	1058	1.8	3/31	1241	0.0			
40	20.20	4.2	1/25	1106	1.5	3/31	1237	0.0			



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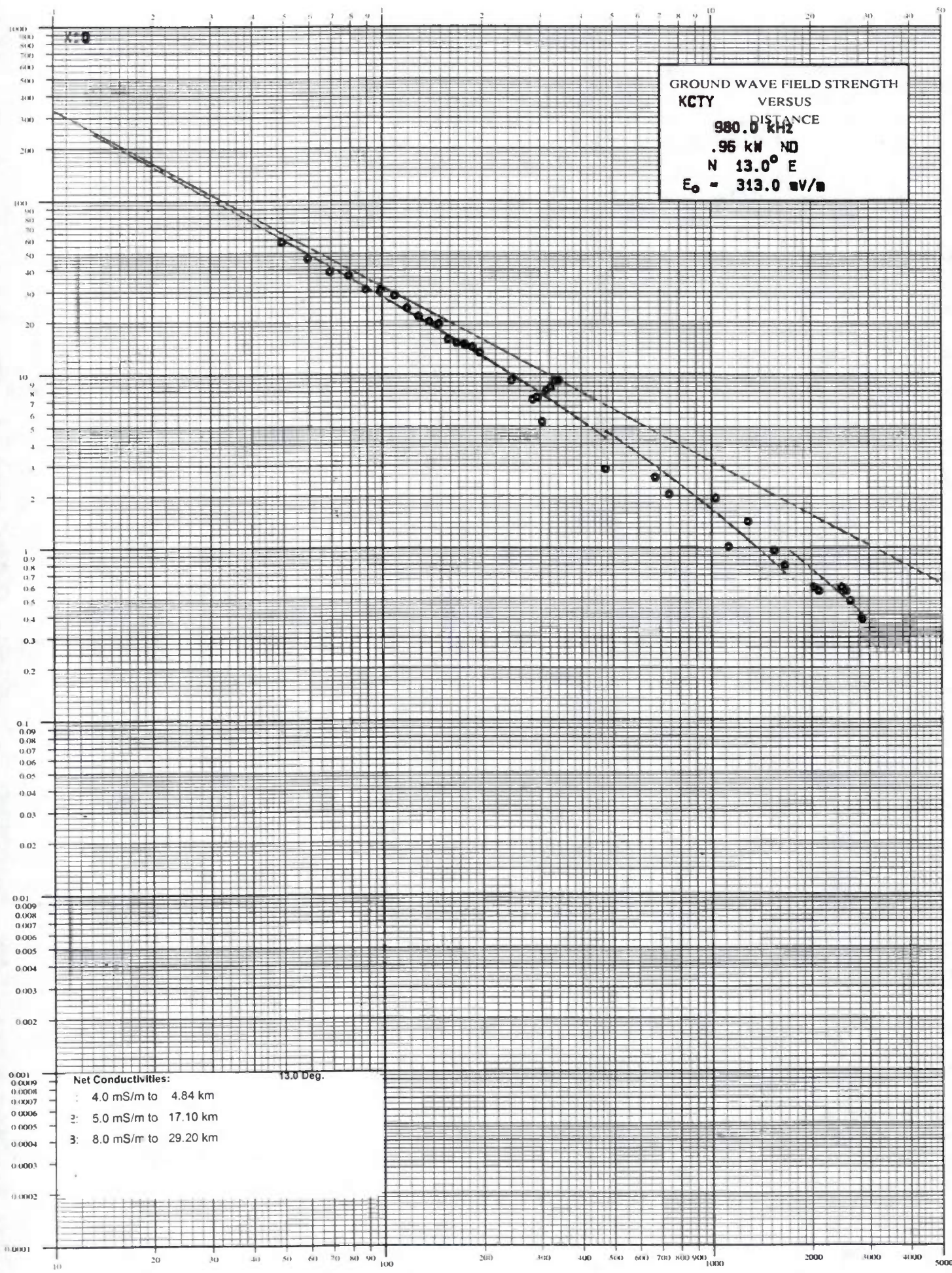
341 Degree Radial Tabulation of Field Strength Measurements

Point No	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME
41	21.3	3.9	1/25	1112	2.0	3/31	1234			
42	22.1	3.8	1/25	1119	1.7	3/31	1229			
43	23.1	3.7	1/25	1123	0.9	3/31	1218			
44	31.0	0.95	1/25	1131	0.5	3/31	1200			

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357 Degree Radial Tabulation of Field Strength Measurement

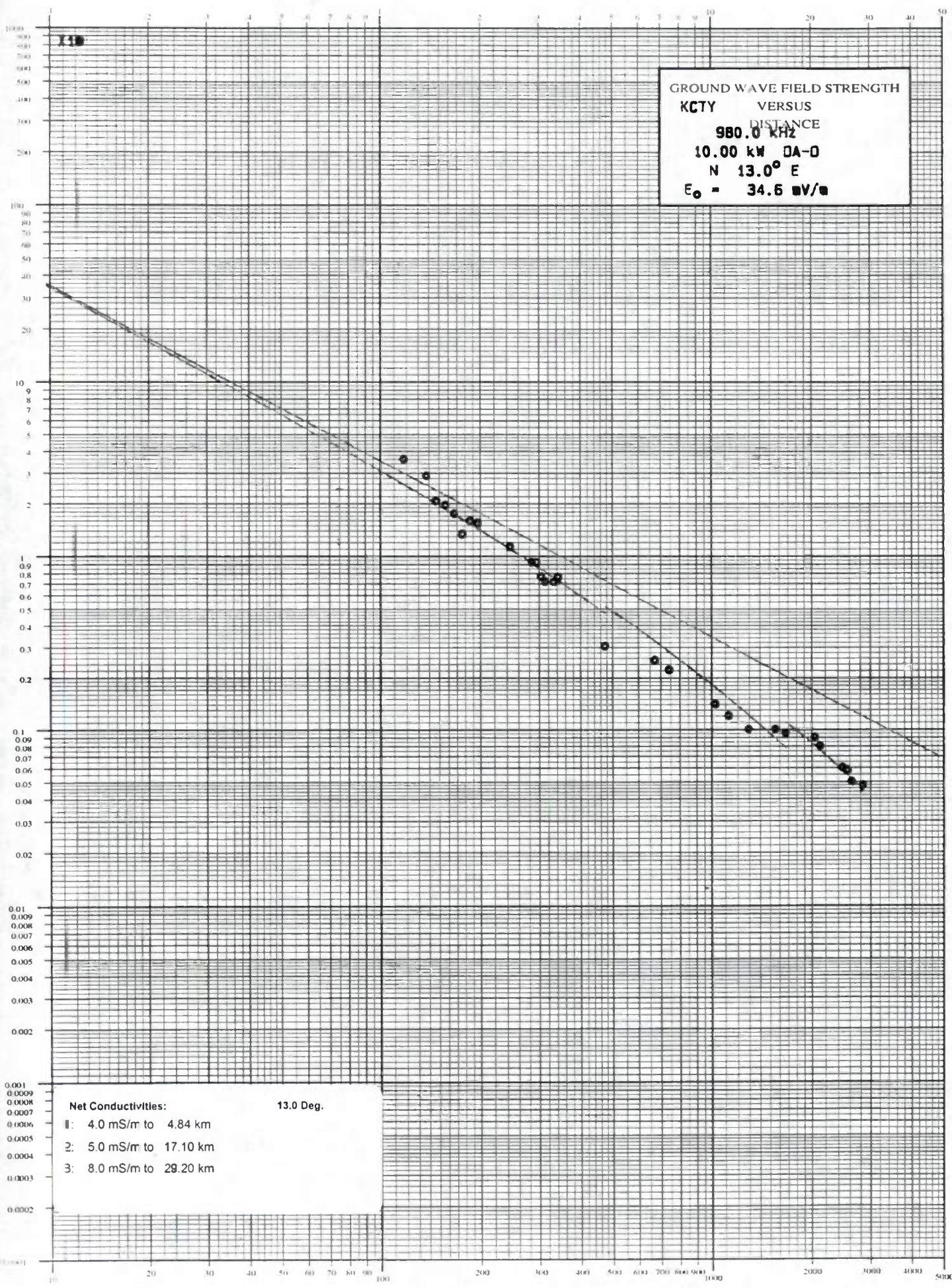
Pc_nt Nc	Dist. Km	Non-DA MV/M	DATE 1999	TIME	DA-D MV/M	DATE 1999	TIME	DA-N MV/M	DATE 1999	TIME	
1	.5	520	2/11	1701							
2	.6	450	2/11	1658							
3	.7	378	2/11	1655							
4	.8	319	2/11	1654							
5	.9	298	2/11	1650							
6	1.0	242	2/11	1647							
7	1.1	278	2/11	1640	140	3/29	1143	90	4/28	1003	
8	1.2	220	2/11	1410	130	3/29	1154	70	4/28	1009	
9	1.3	180	2/11	1412	125	3/29	1159	50	4/28	1012	
10	1.4	195	2/11	1414	100	3/29	1202	30	4/28	1019	
11	1.5	160	2/11	1419	75	3/29	1209	20	4/28	1022	
12	1.6	156	2/11	1421	70	3/29	1211	18	4/28	1028	
13	1.7	146	2/11	1426	65	3/29	1214	12	4/28	1030	
14	1.8	145	2/11	1429	60	3/29	1219	14	4/28	1033	
15	1.9	135	2/11	1434	55	3/29	1222	12	4/28	1038	
16	2.0	132	2/11	1440	45	3/29	1225	10	4/28	1040	
17	2.1	128	2/11	1448	50	3/29	1229	13	4/28	1043	
18	2.2	125	2/11	1451	48	3/29	1234	12	4/28	1047	
19	2.3	120	2/11	1459	45	3/29	1238	11	4/28	1051	
20	2.4	120	2/11	1504	40	3/29	1242	12	4/28	1055	
21	2.5	115	2/11	1510	42	3/29	1248	9	4/28	1104	
22	2.6	118	2/11	1514	40	3/29	1251	10	4/28	1107	
23	2.7	100	2/11	1145	36	3/29	1028	10	4/28	1110	
24	2.8	95	2/11	1115	37	3/29	1059	8	4/28	1112	
25	2.9	90	2/11	1202	40	3/29	1150	7	4/28	1115	
26	3.0	85	2/11	1402	47	3/30	1214	7	4/29	1156	
27	4.38	35	2/11	1430	18	3/30	1230	3.5	4/29	1200	
28	4.51	32	2/11	1330	20	3/30	1245	2.5	4/29	1649	Mon. Pt.
29	4.62	28	2/11	1200	15	3/30	1302	2.2	4/29	1642	
30	5.13	29	2/11	1330	14	3/30	1311	2.0	4/29	1614	
31	14.1	7.2	2/13	1349	4	3/30	1322	.5	4/29	1605	
32	14.42	4.0	2/13	1325	1.8	3/30	1334	.34	4/29	1600	
33	17.9	1.65	2/13	1313	0.9	3/30	1341	.22	4/29	1538	
34	18.8	2.2	2/13	1307	1.0	3/30	1357	.25	4/29	1532	
35	31.1	.85	2/13	1126	0.5	3/30	1404	.16	4/29	1524	
36	31.9	.9	2/13	1144	0.2	3/30	1418	.2	4/29	1520	
37	33.3	.68	2/13	1058	0			0			
38	34.4	.62	2/13	1206	0			0			
39	35.3	.7	2/13	1211							
40	35.4	.68	2/13	1223							
41	37.5	.65	2/13	1215							

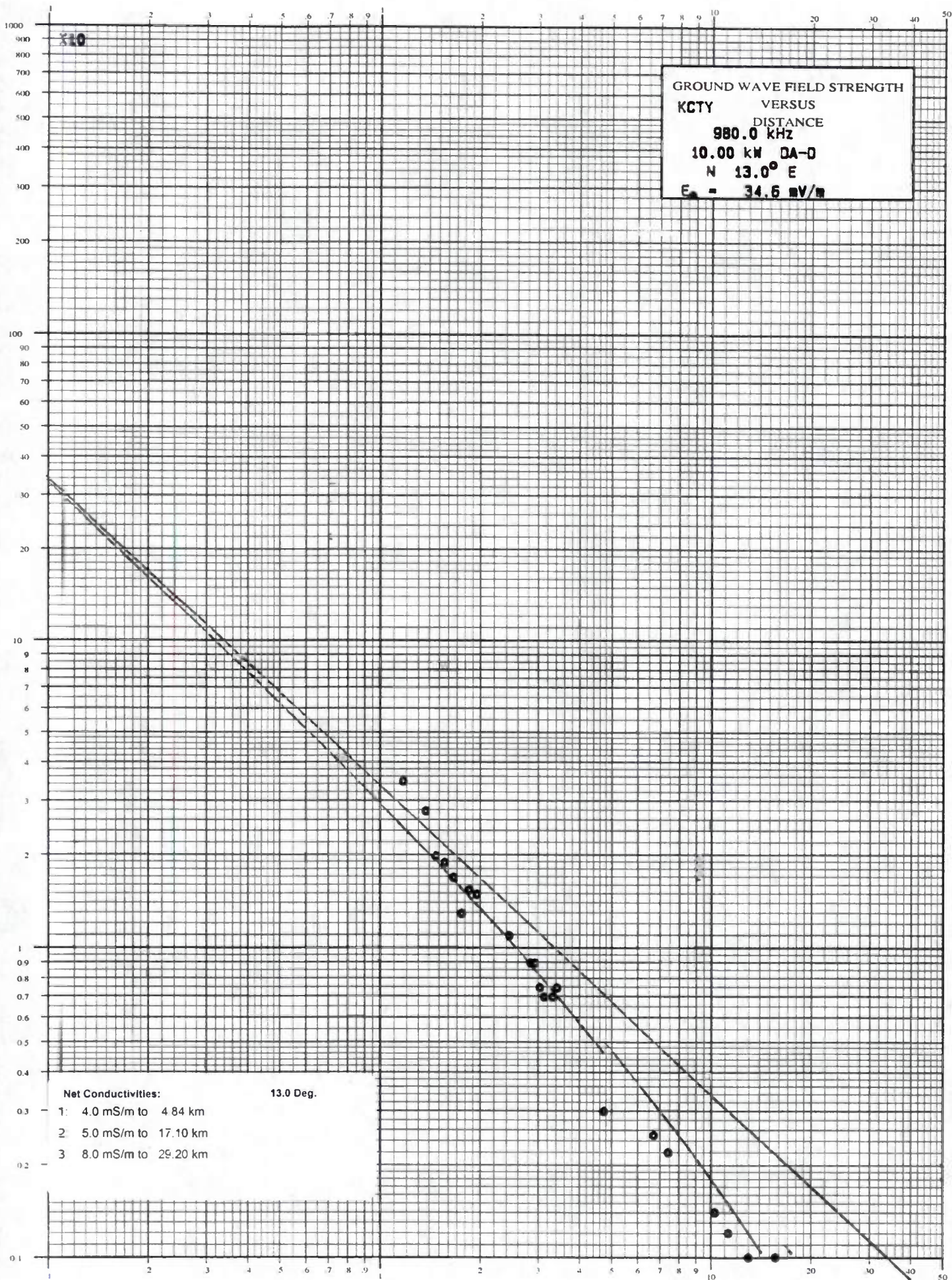


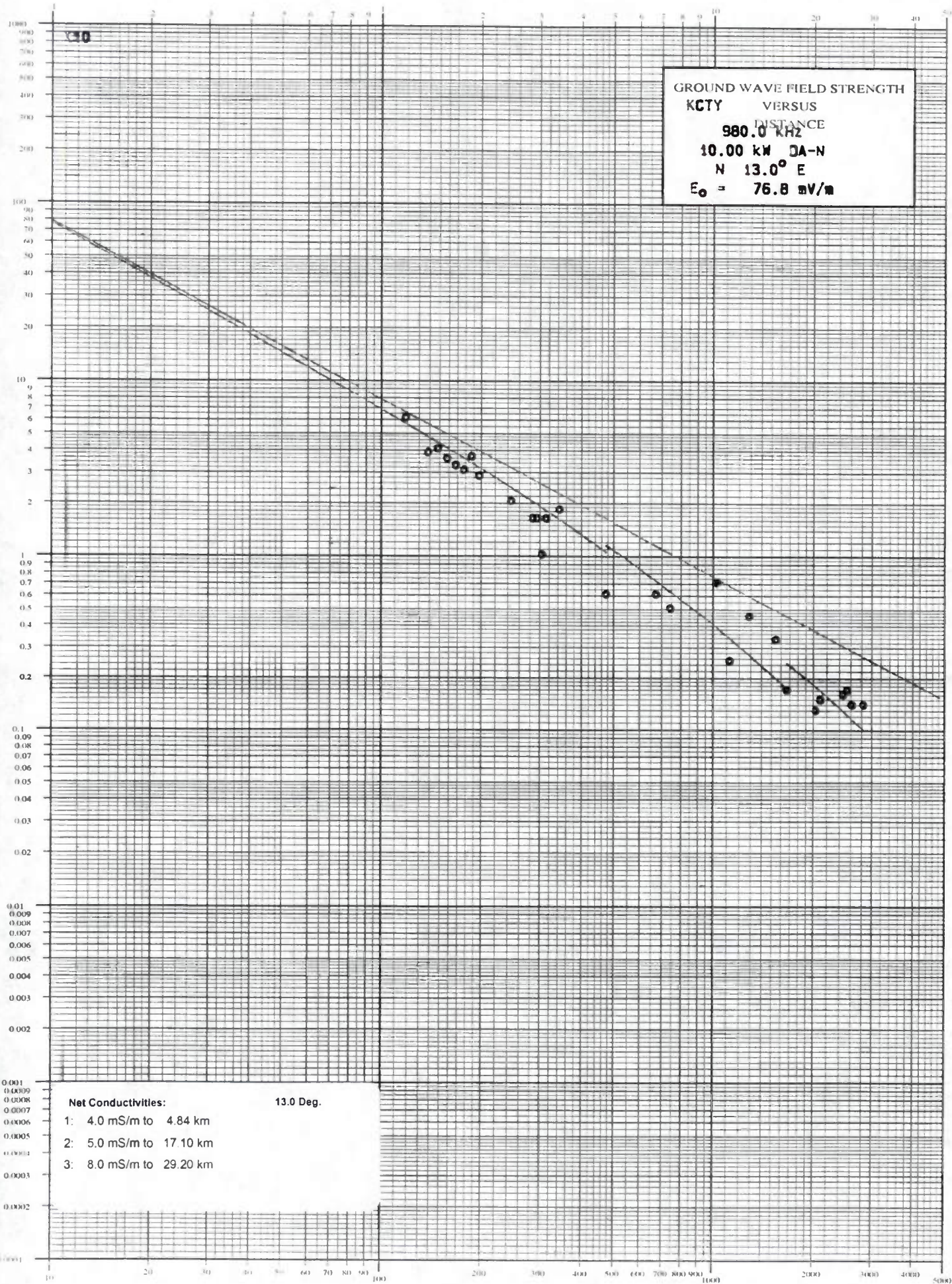
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 kHz
.96 kW ND
N 13.0° E
 $E_0 = 313.0 \text{ mV/m}$

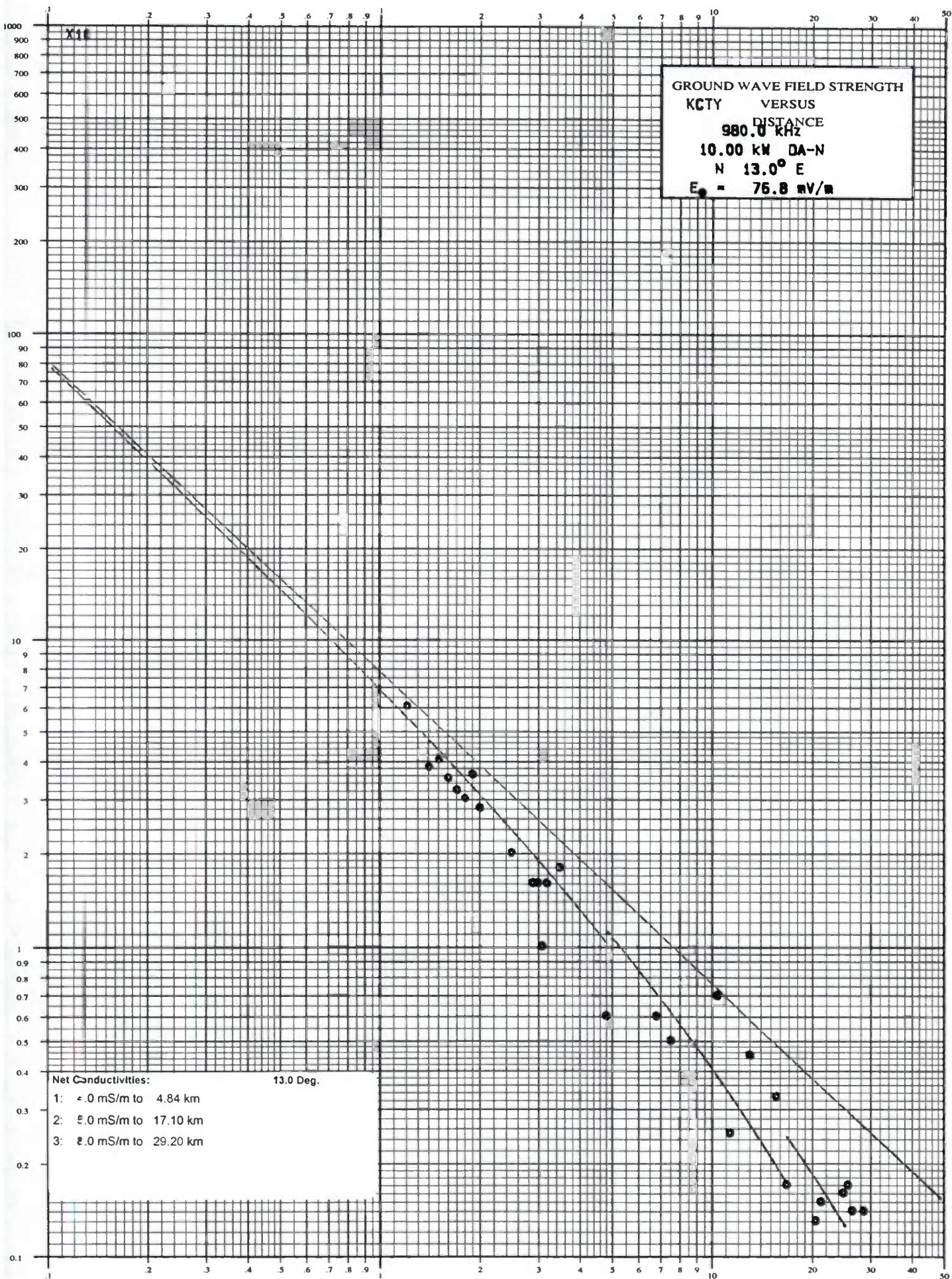
Net Conductivities: 13.0 Deg.
1: 4.0 mS/m to 4.84 km
2: 5.0 mS/m to 17.10 km
3: 8.0 mS/m to 29.20 km



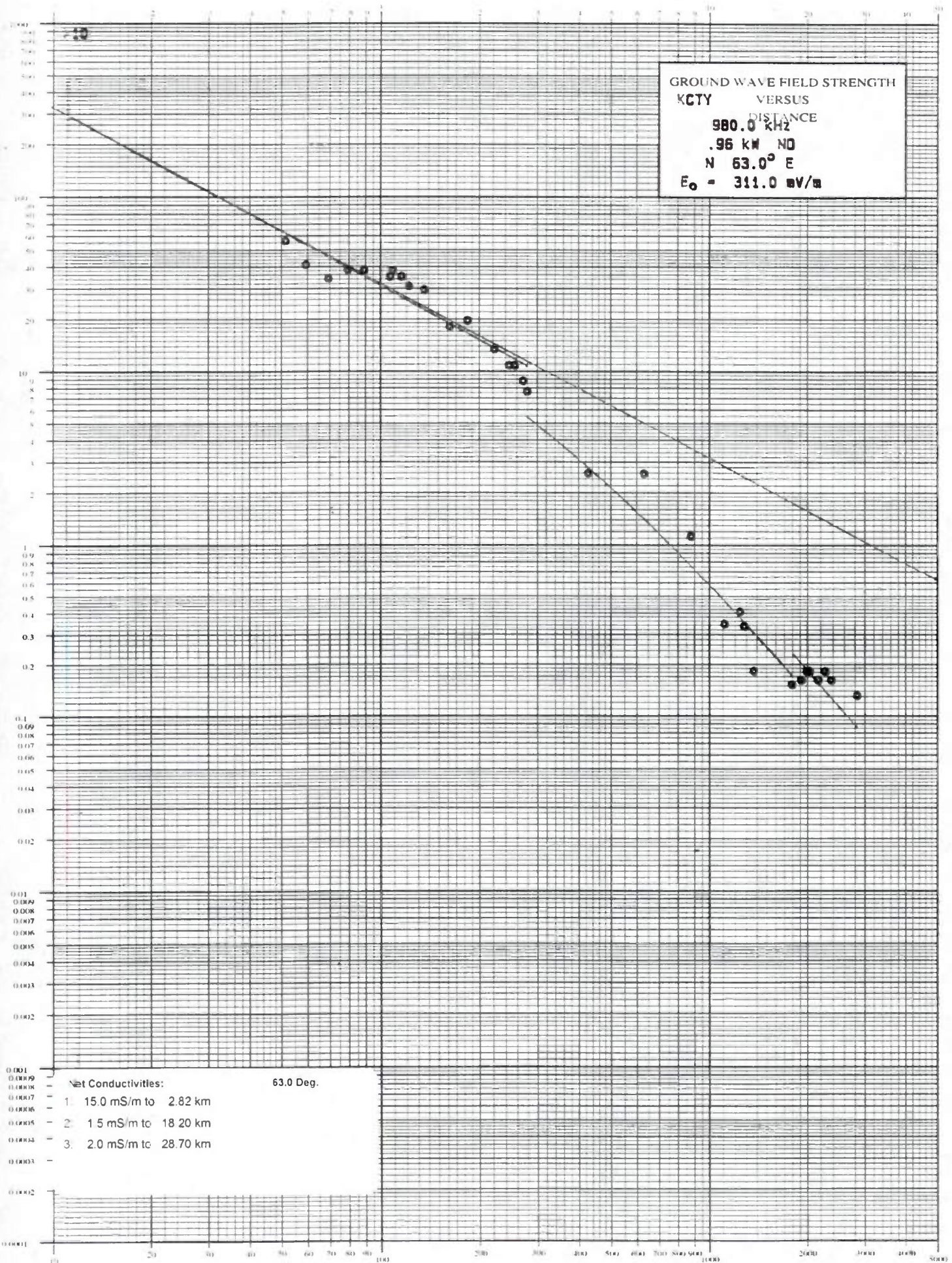








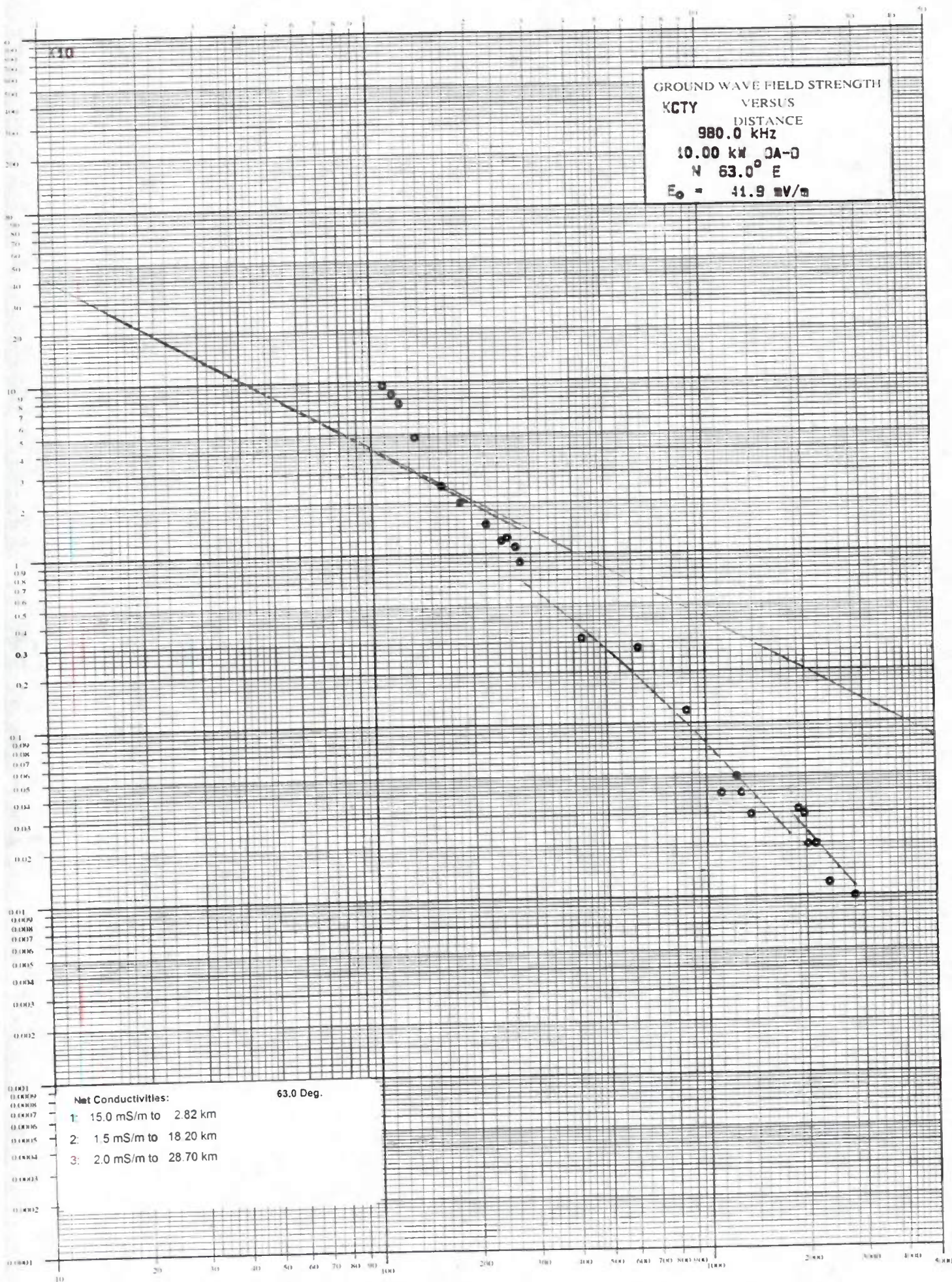
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 KHz
.96 kW NO
N 63.0° E
E₀ = 311.0 mV/m



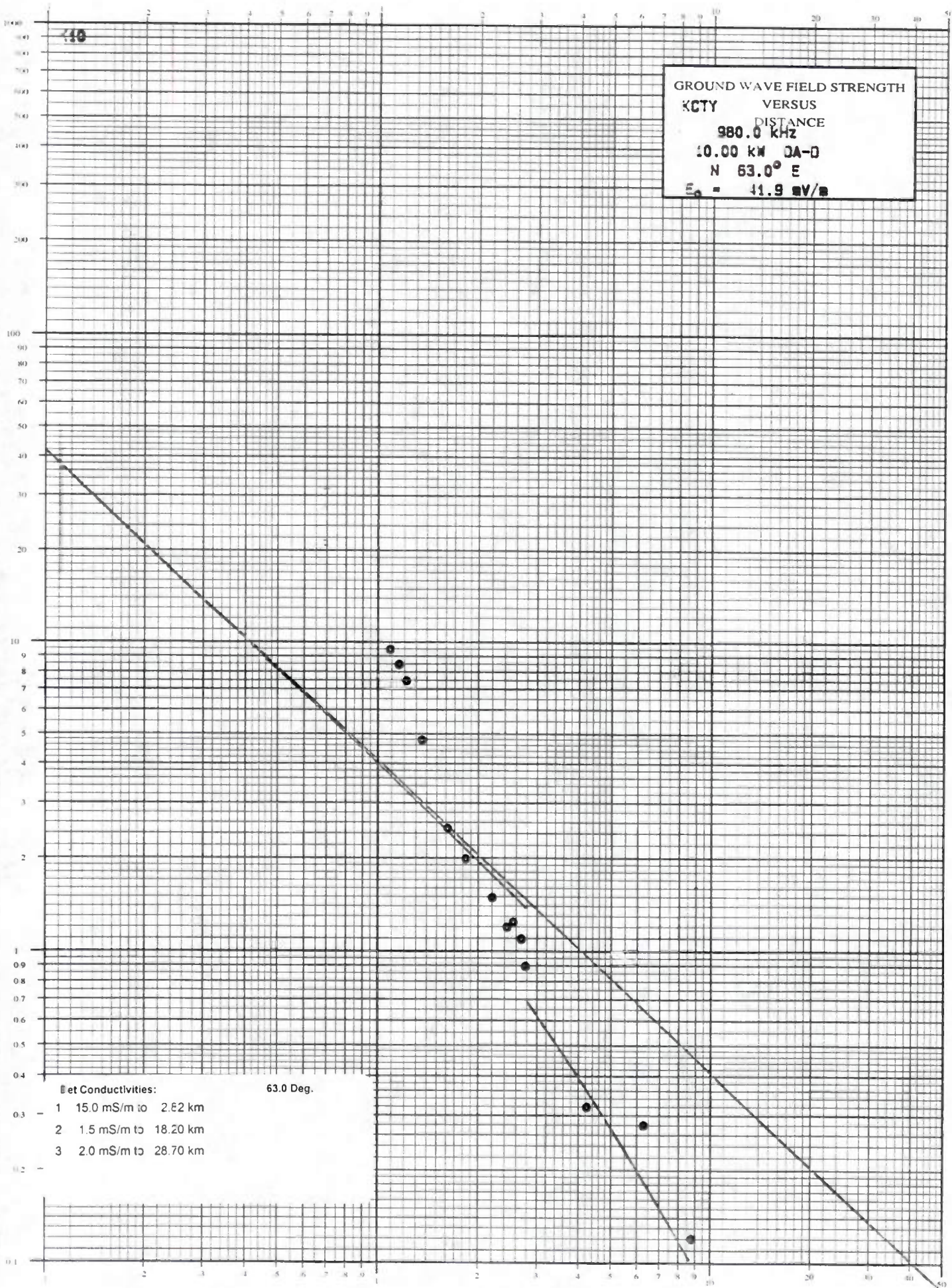


K10

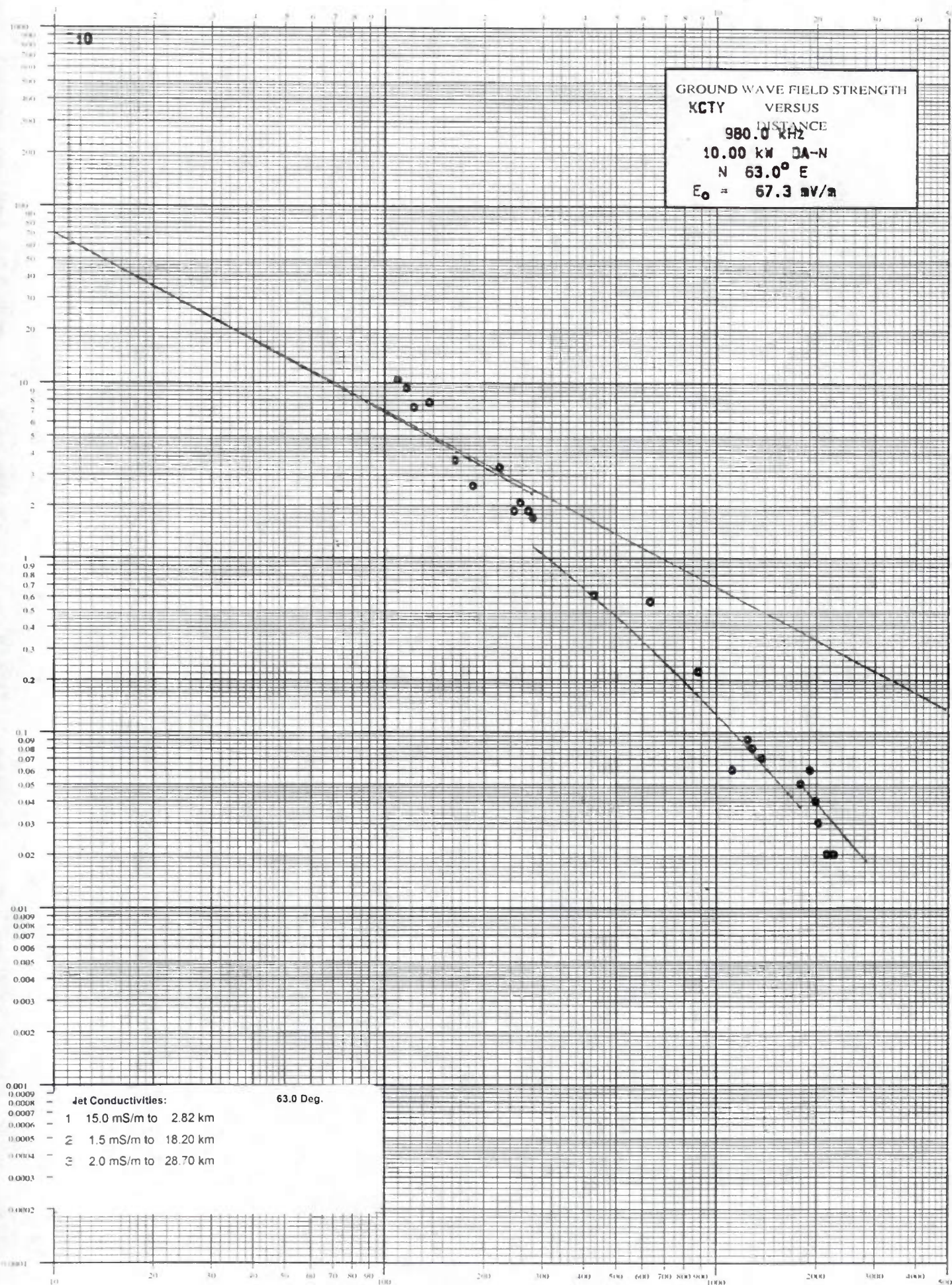
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 KHz
10.00 kW OA-D
N 63.0° E
 $E_0 = 41.9 \text{ mV/m}$





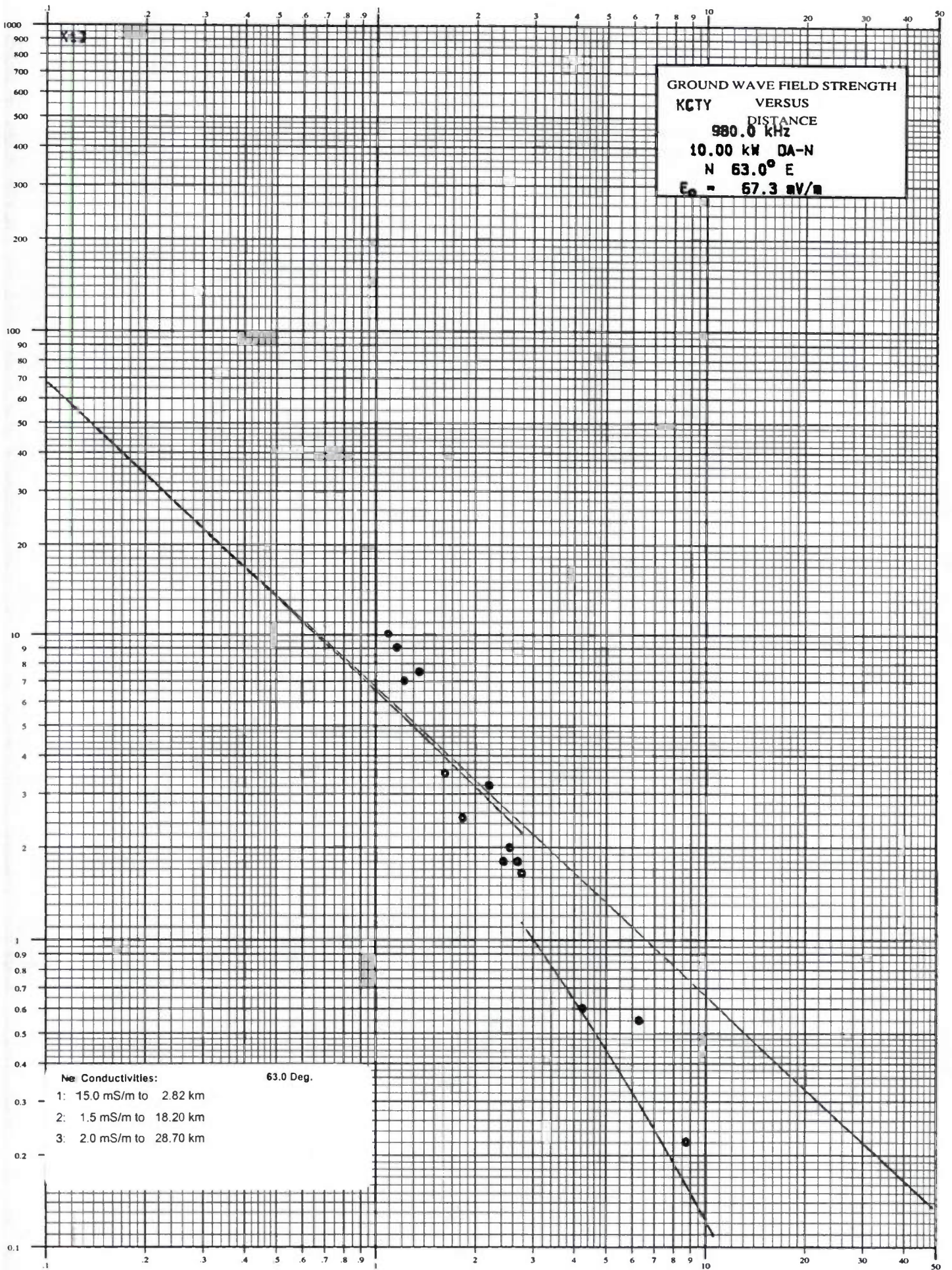






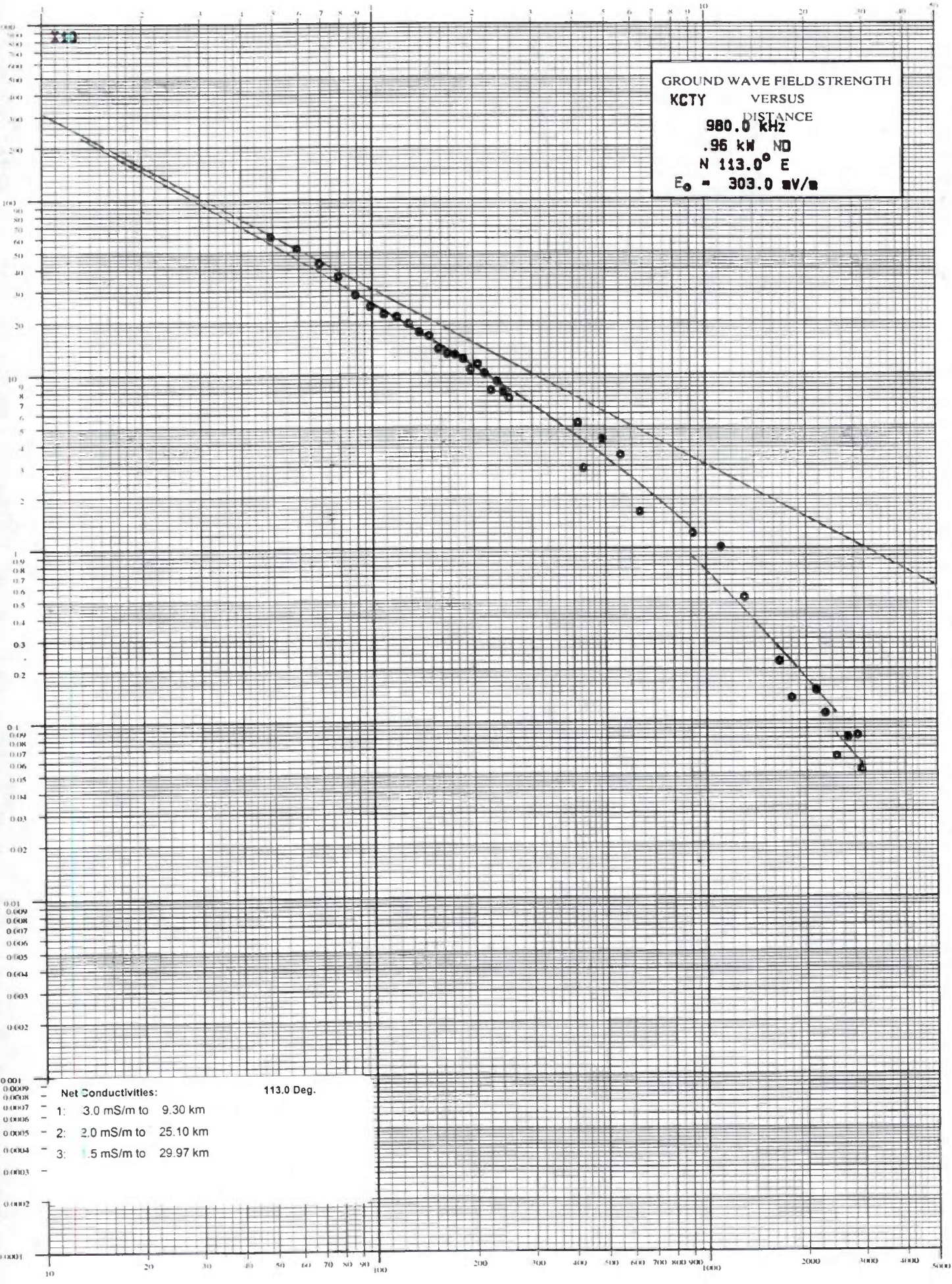
GROUND WAVE FIELD STRENGTH
VERSUS
DISTANCE
980.0 kHz
10.00 kW DA-N
N 63.0° E
E₀ = 67.3 mV/m

Jet Conductivities: 63.0 Deg.
1 15.0 mS/m to 2.82 km
2 1.5 mS/m to 18.20 km
3 2.0 mS/m to 28.70 km



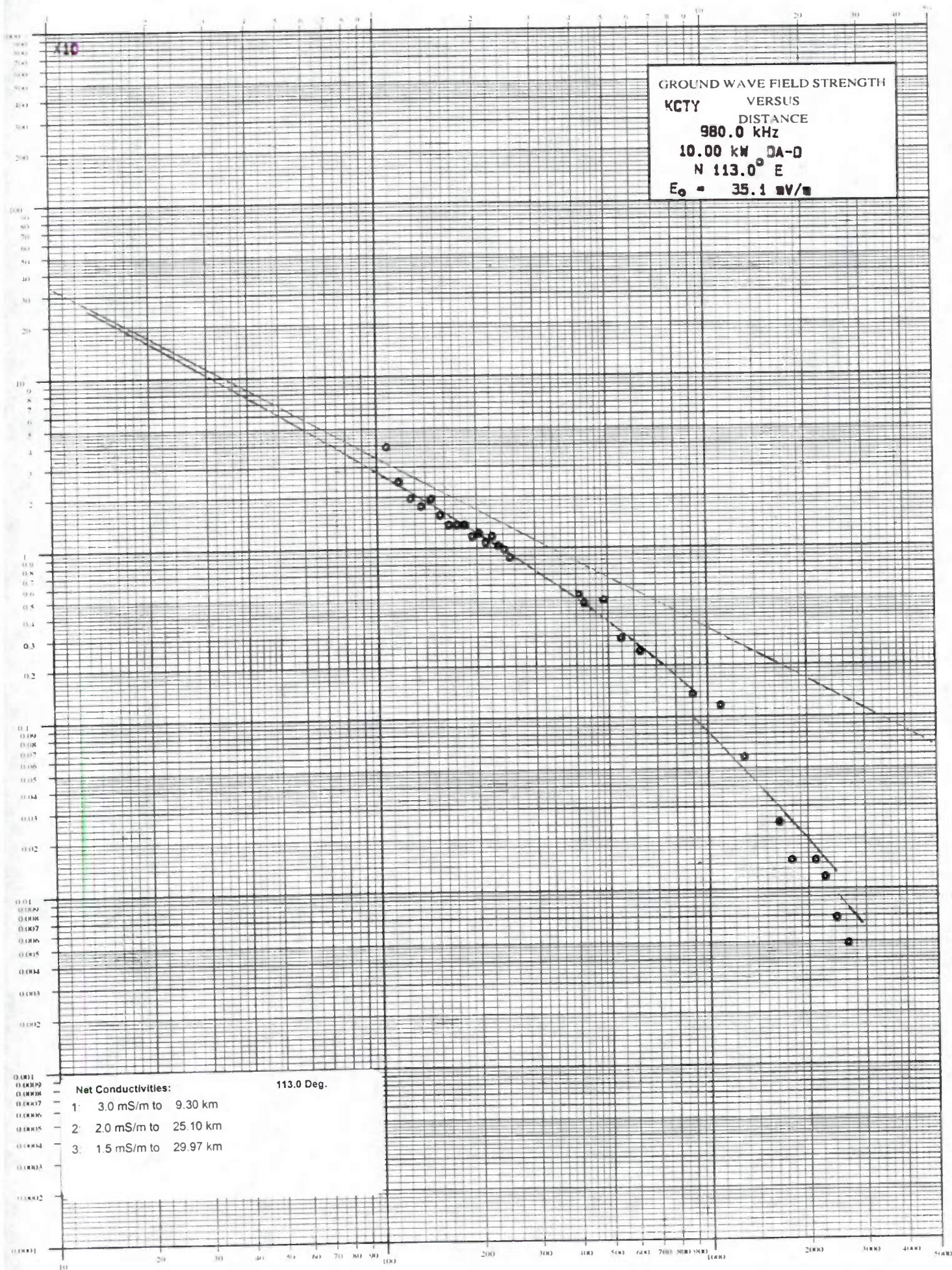


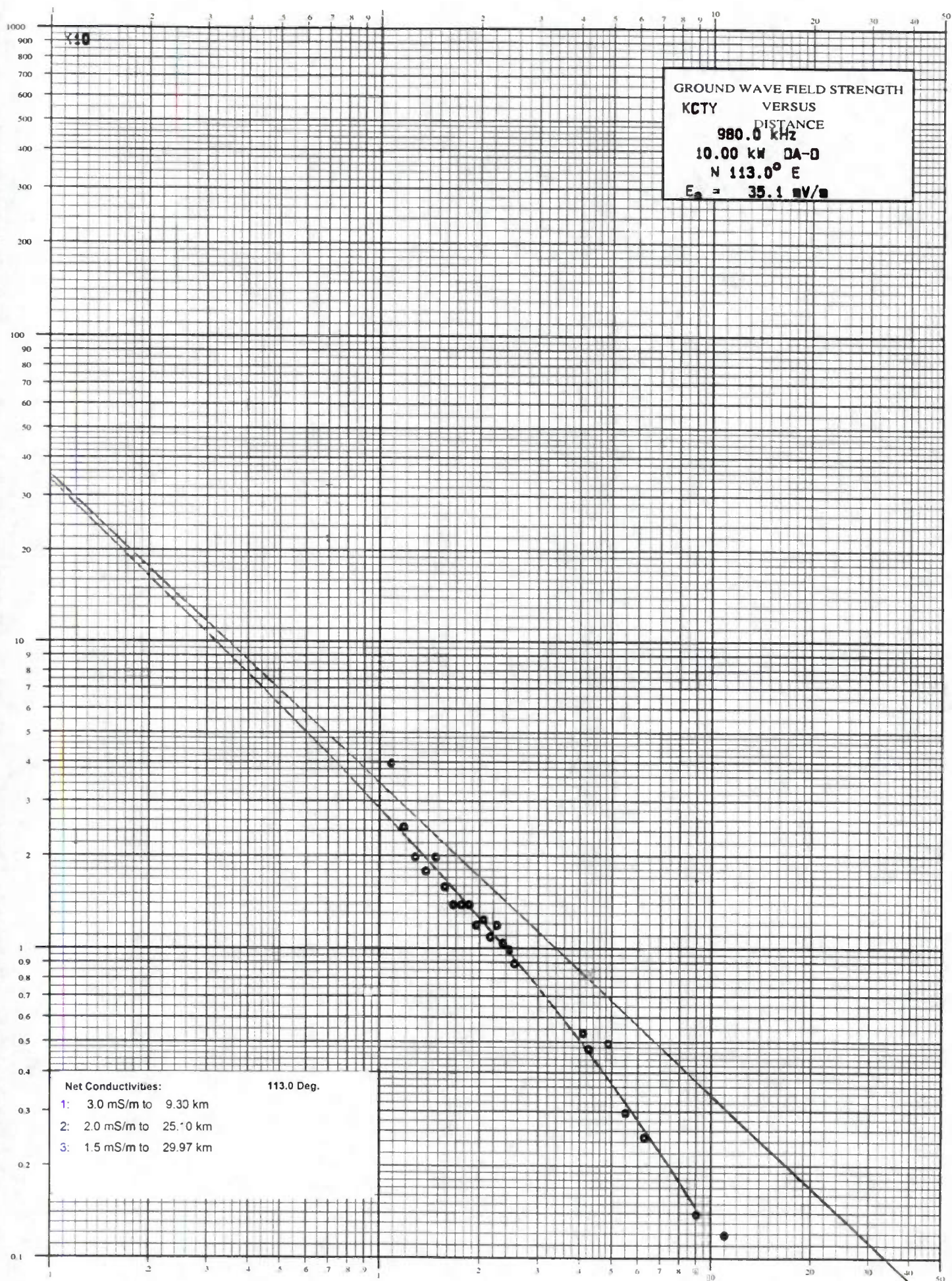
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 KHz
.96 kW NO
N 113.0° E
 $E_0 = 303.0 \text{ mV/m}$



Net Conductivities: 113.0 Deg.
1: 3.0 mS/m to 9.30 km
2: 2.0 mS/m to 25.10 km
3: 1.5 mS/m to 29.97 km









GROUND WAVE FIELD STRENGTH

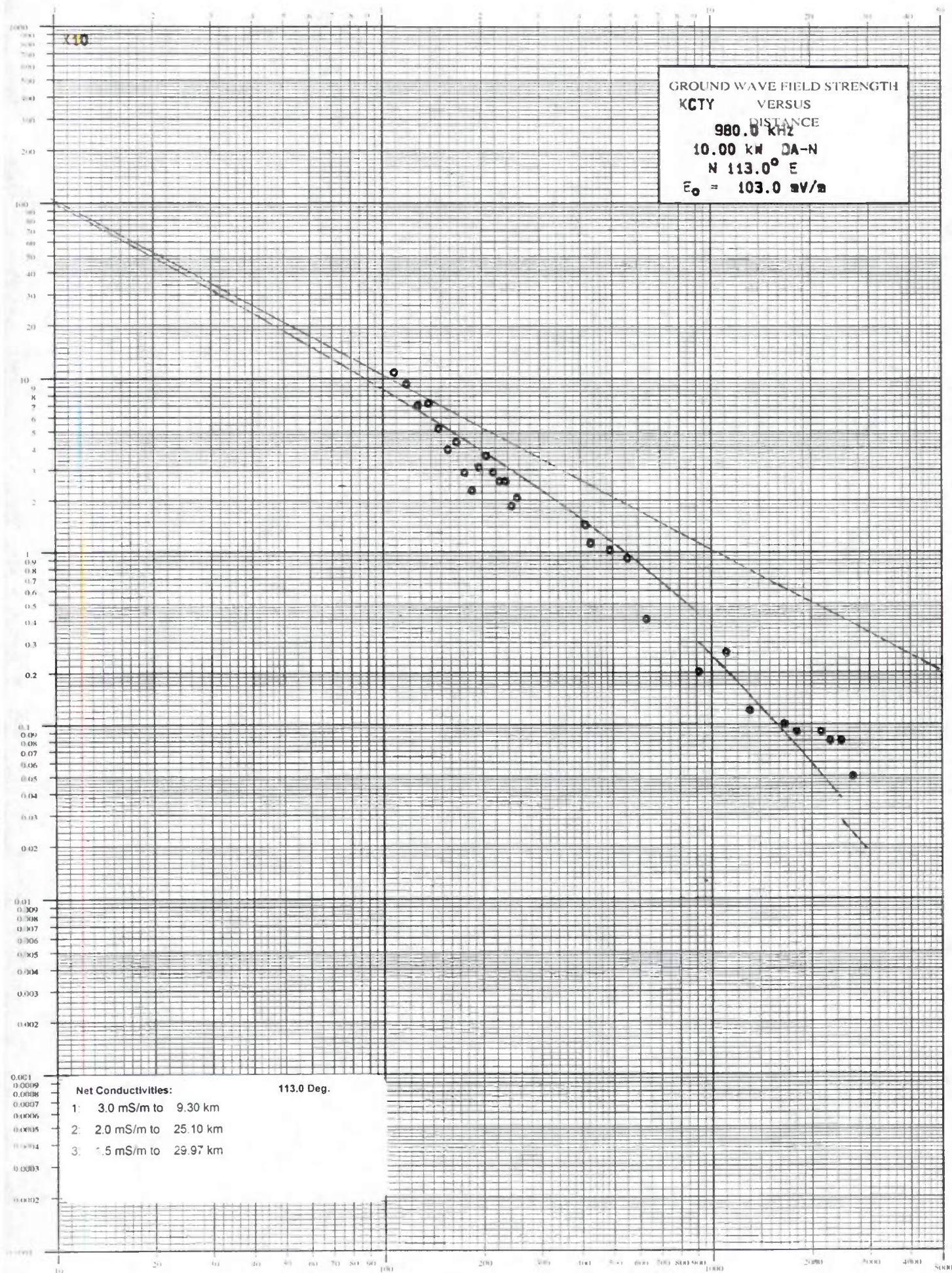
KCTY VERSUS
DISTANCE

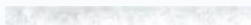
980.0 KHZ

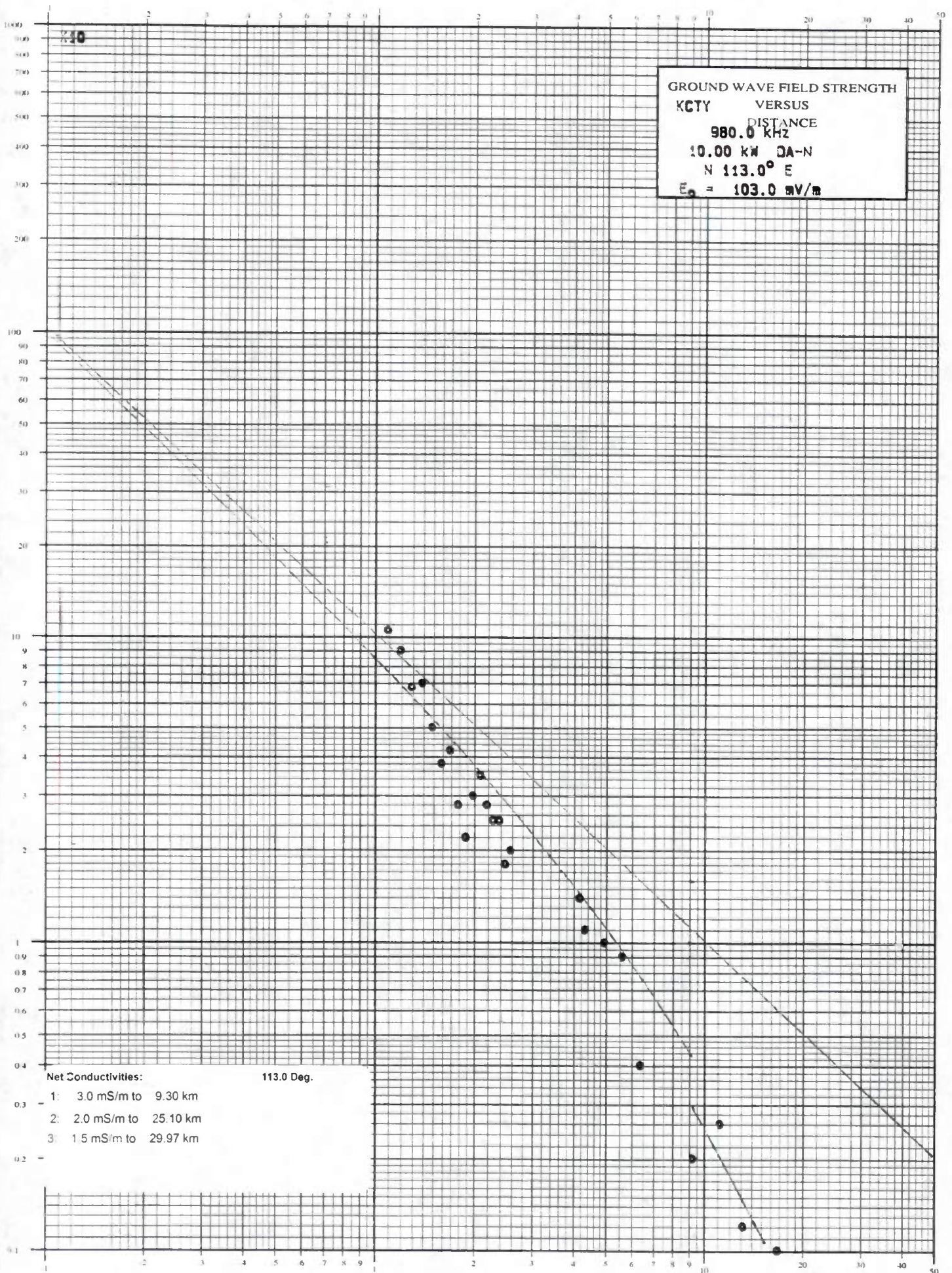
10.00 kW DA-N

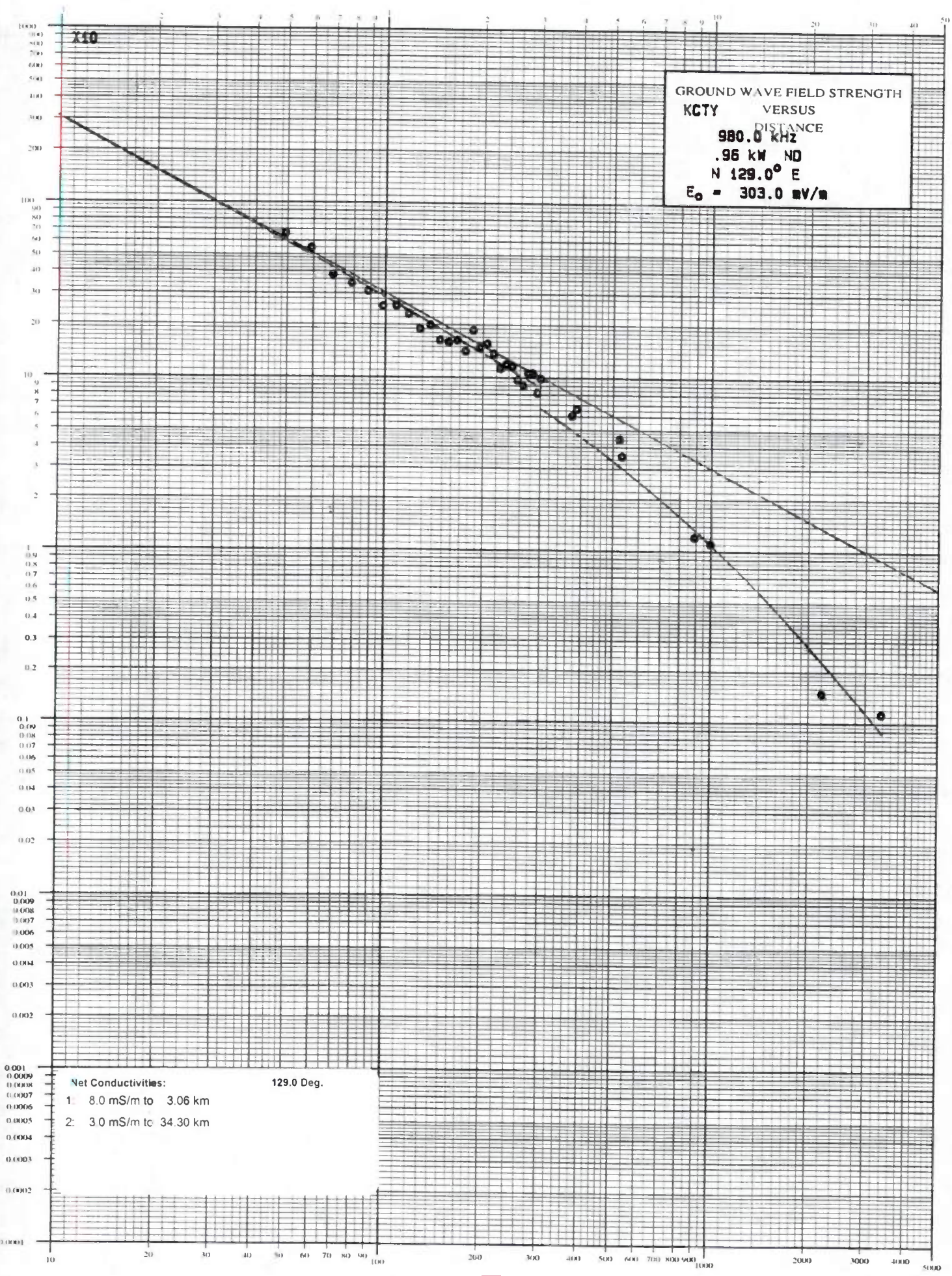
N 113.0° E

$E_0 = 103.0 \text{ mV/m}$

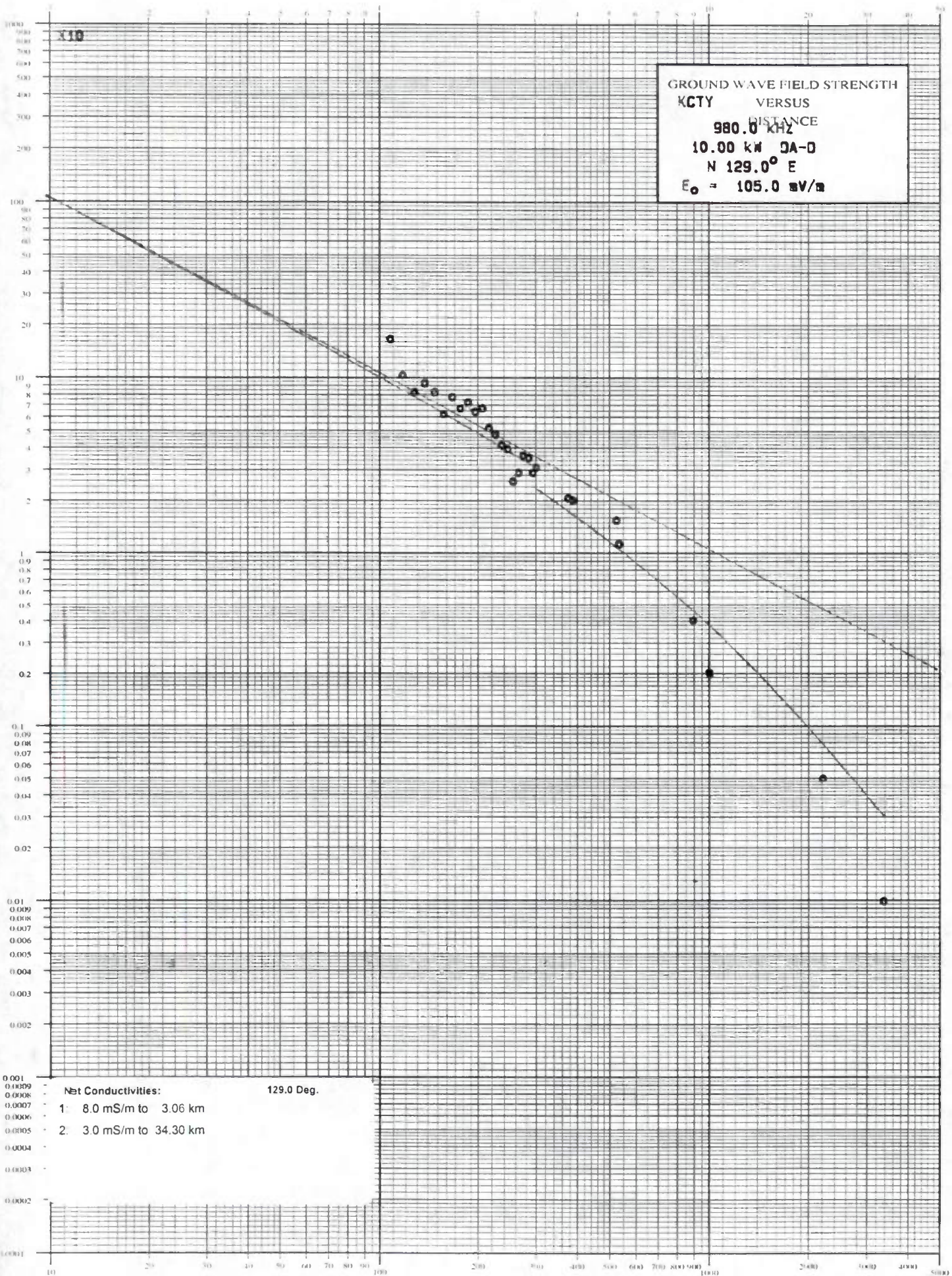




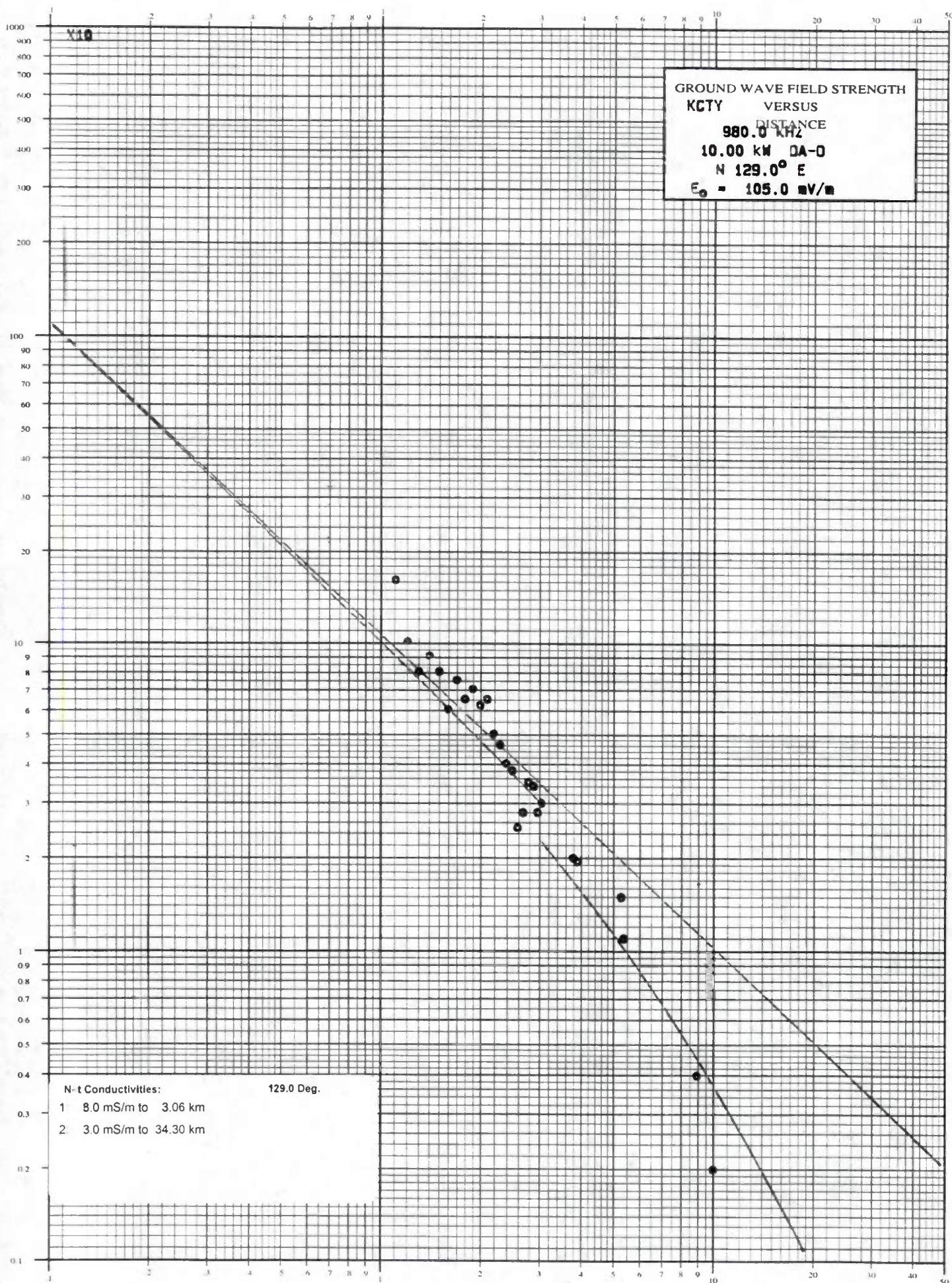


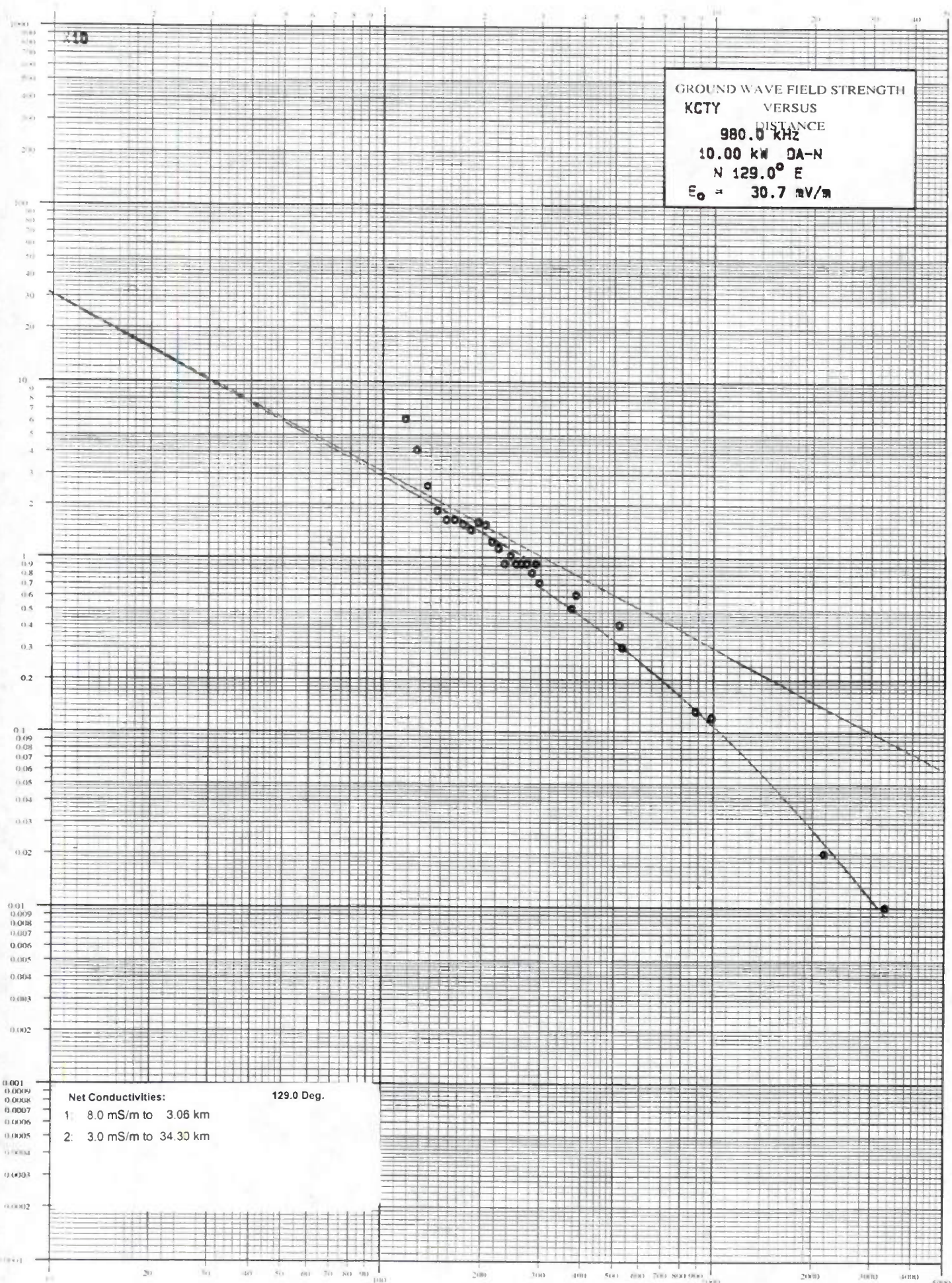














GROUND WAVE FIELD STRENGTH

KCTY VERSUS

DISTANCE

980.0 KHZ

10.00 kW DA-N

N 129.0° E

$E_0 = 30.7 \text{ mV/m}$

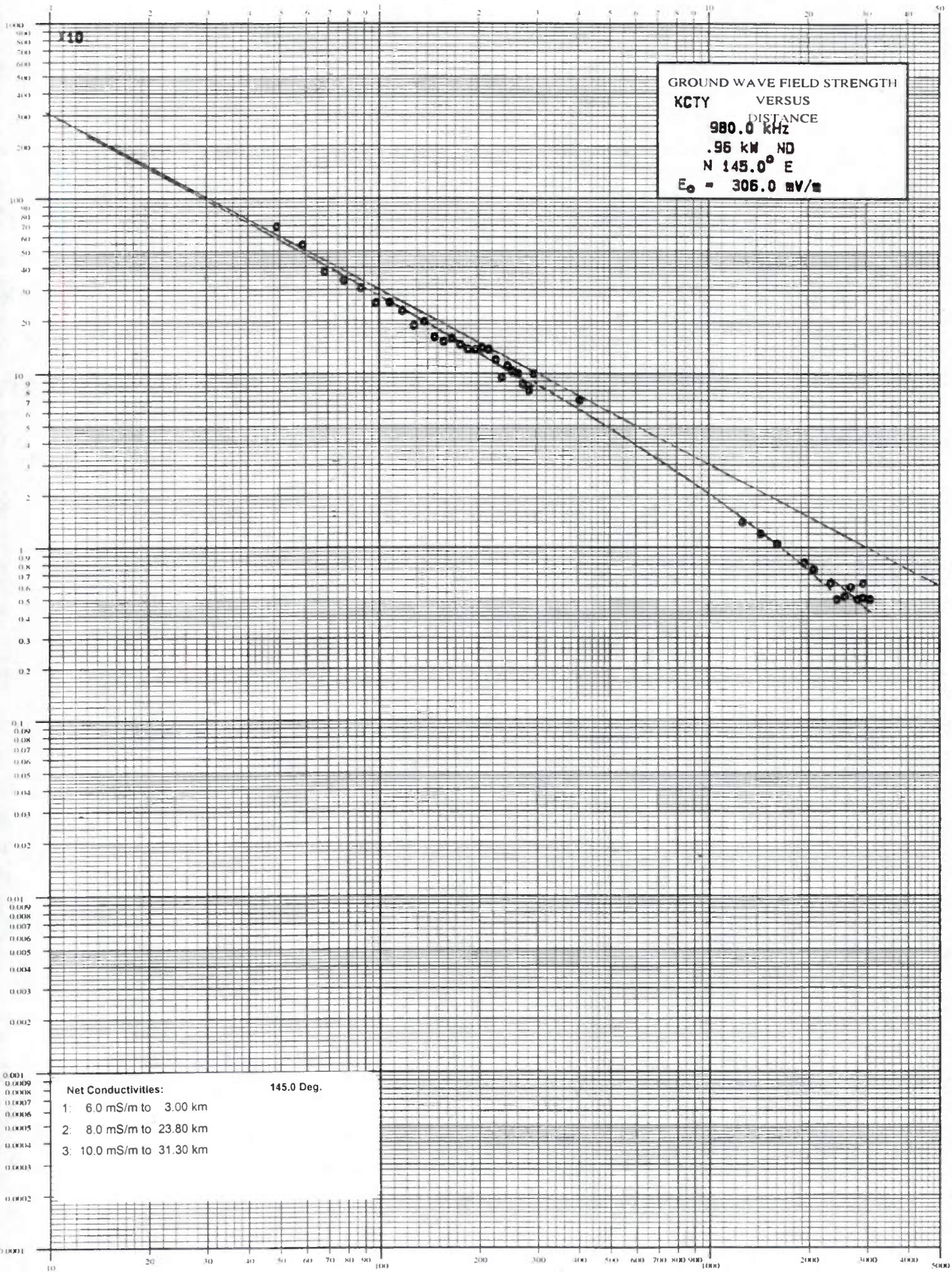
Net Conductivities:

129.0 Deg.

1: 8.0 mS/m to 3.06 km

2: 3.0 mS/m to 34.30 km



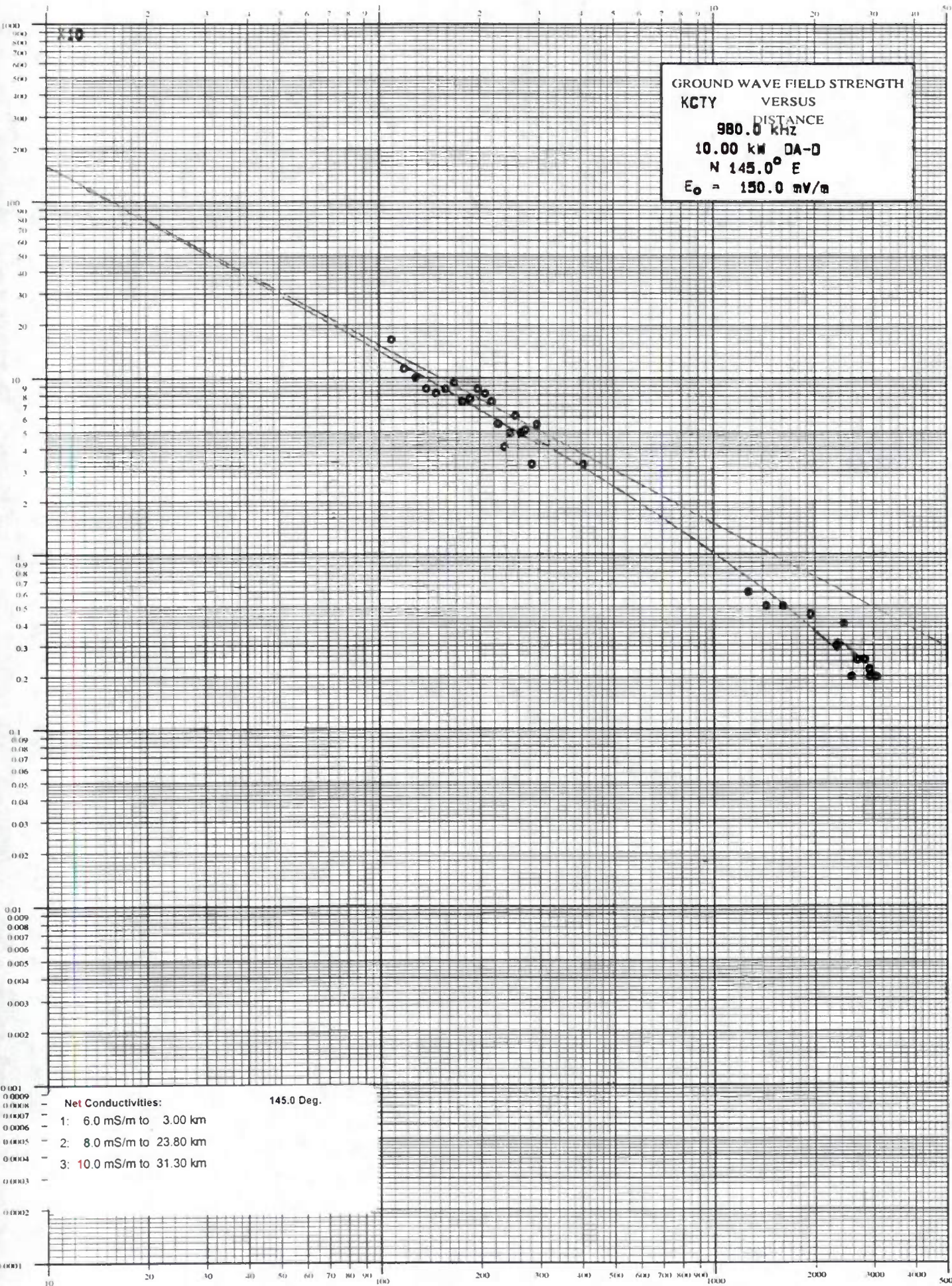


GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 kHz
.96 kW ND
N 145.0° E
 $E_0 = 306.0 \text{ mV/m}$

Net Conductivities: 145.0 Deg.
1: 6.0 mS/m to 3.00 km
2: 8.0 mS/m to 23.80 km
3: 10.0 mS/m to 31.30 km

GROUND WAVE FIELD STRENGTH KCTY VERSUS DISTANCE

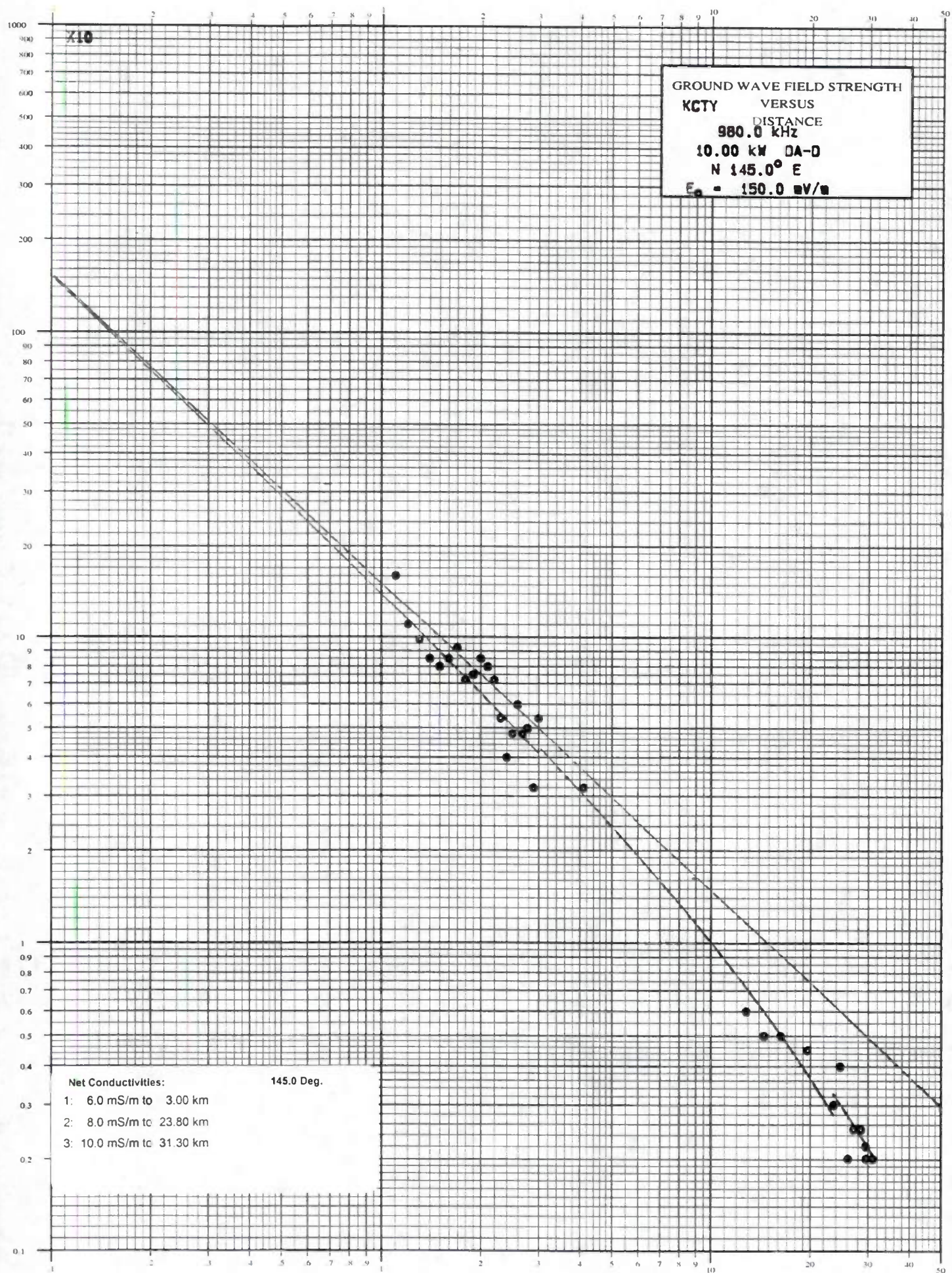
980.0 kHz
10.00 kW DA-D
N 145.0° E
 $E_0 = 150.0$ mV/m



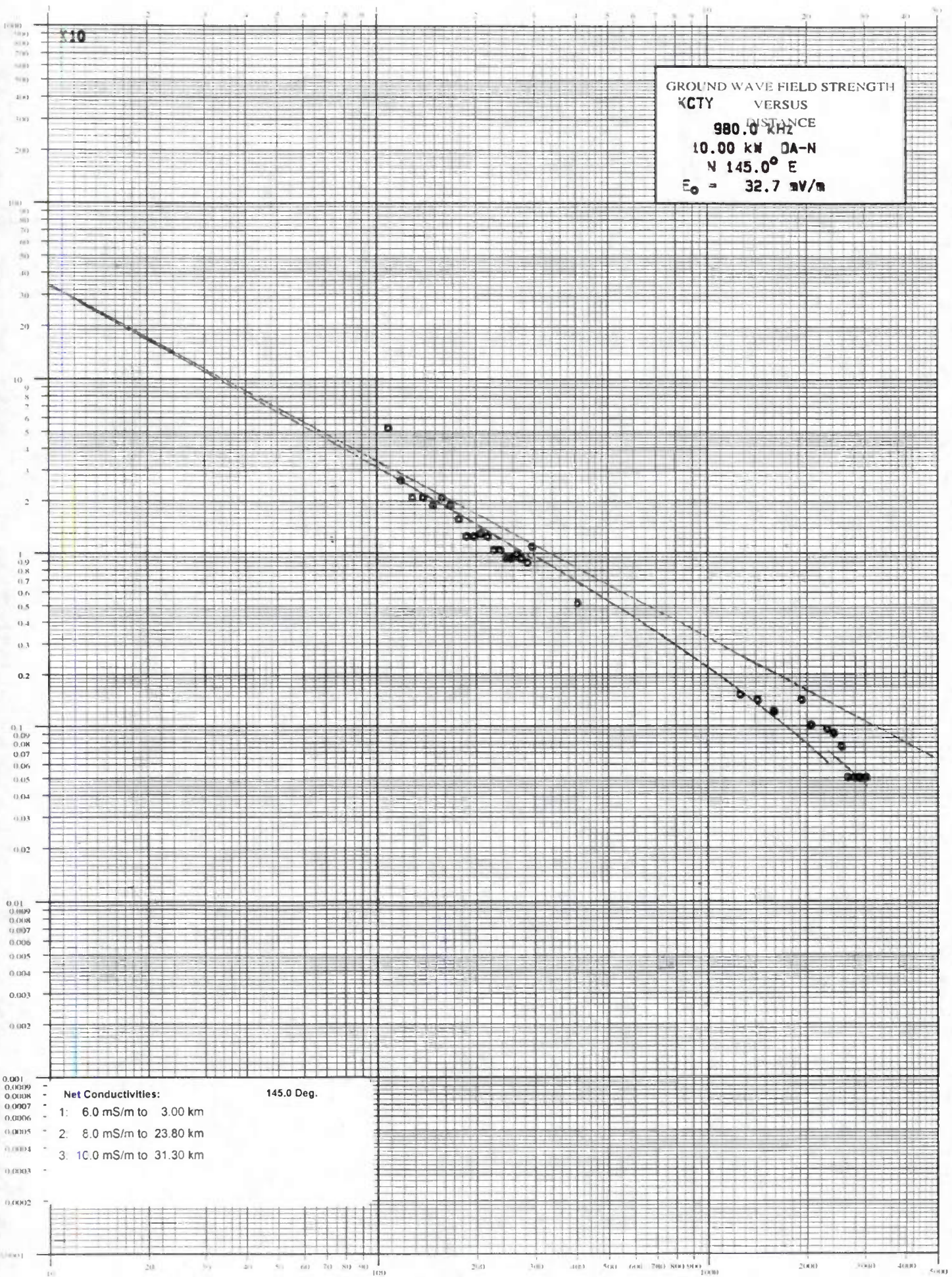
Net Conductivities:

145.0 Deg.

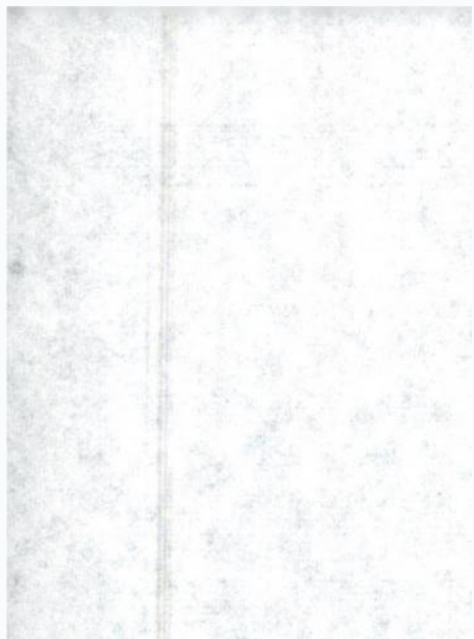
- 1: 6.0 mS/m to 3.00 km
- 2: 8.0 mS/m to 23.80 km
- 3: 10.0 mS/m to 31.30 km

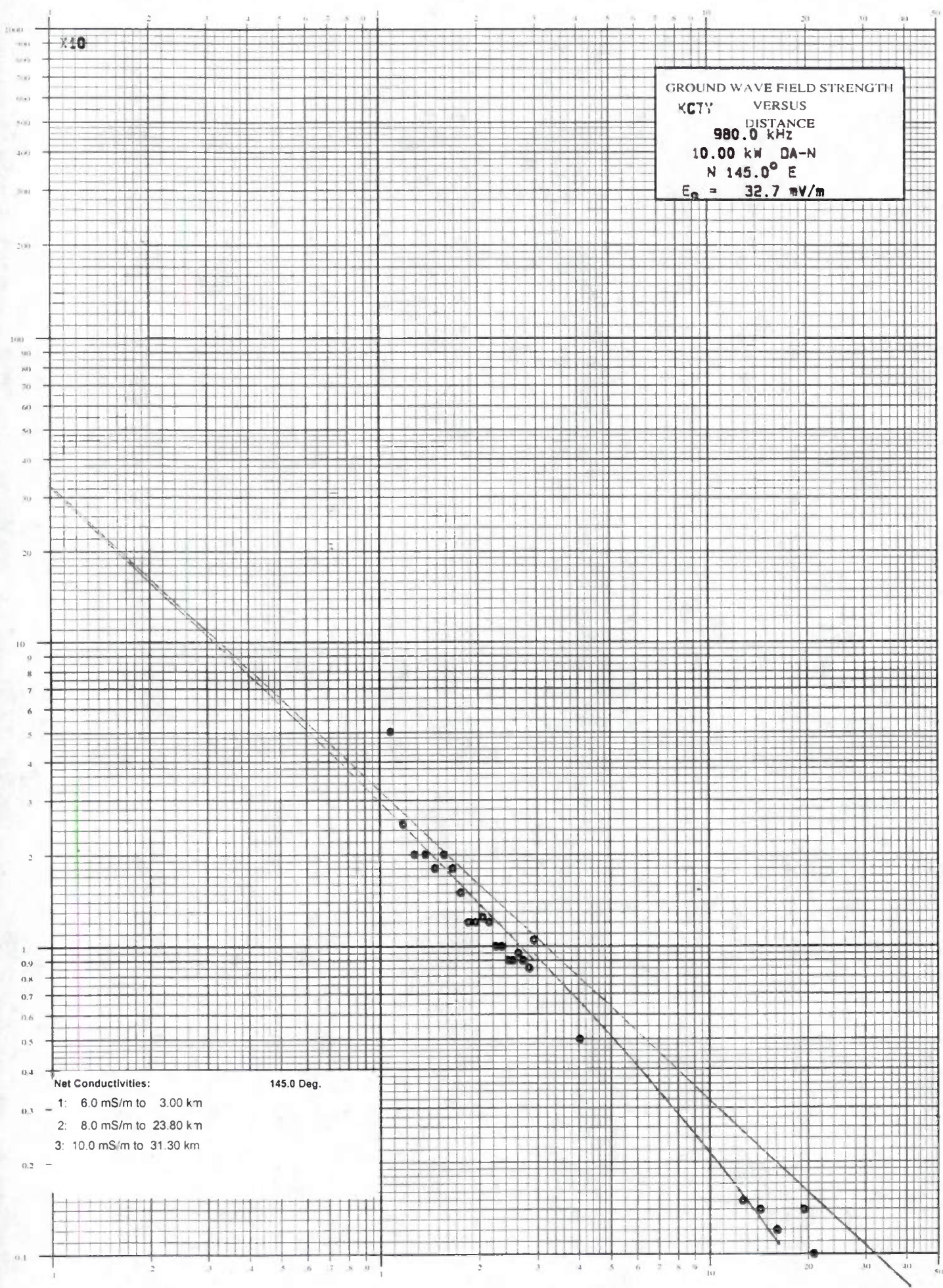


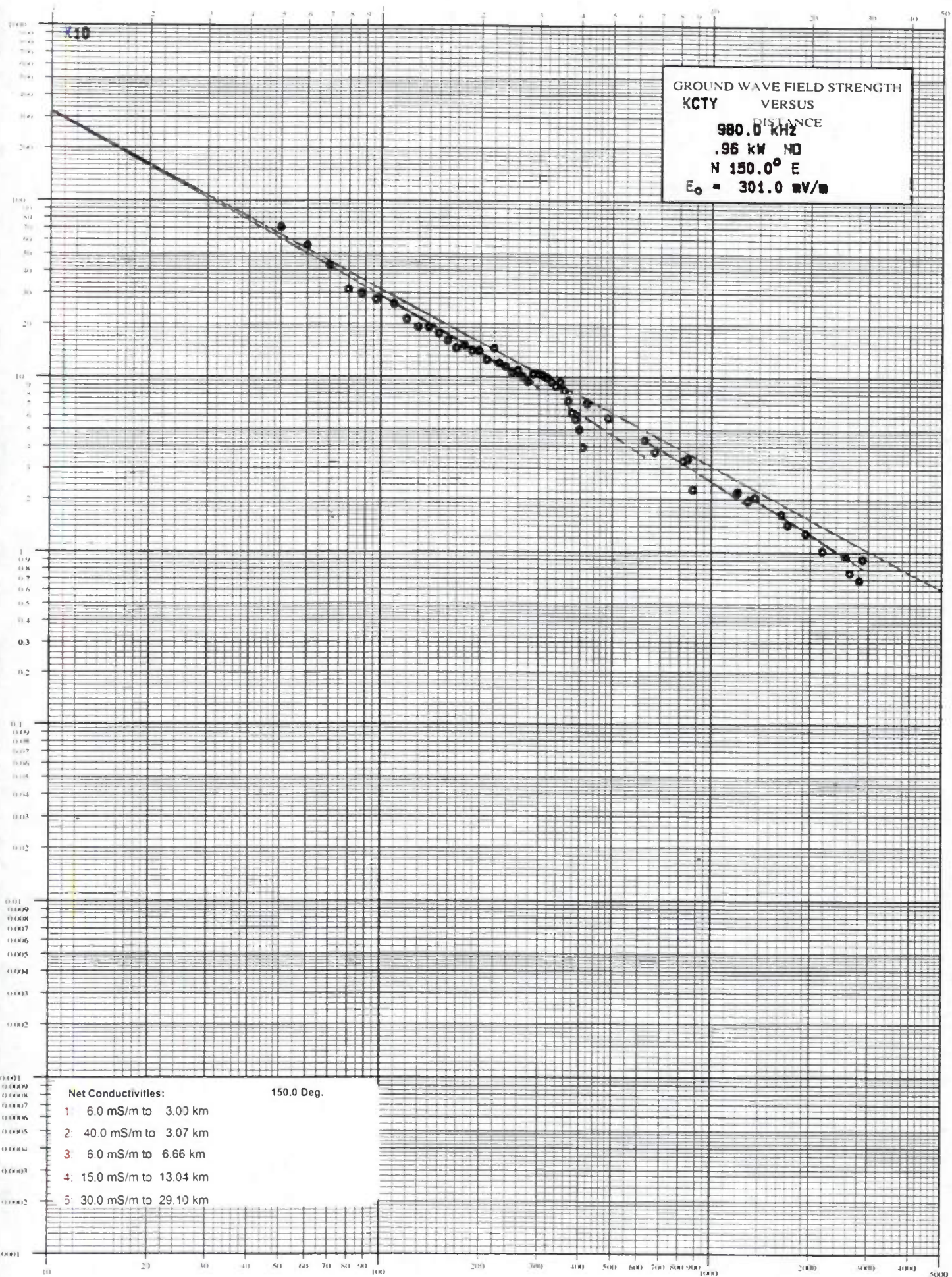
GROUND WAVE FIELD STRENGTH
 KCTY VERSUS
 DISTANCE
 980.0 KHz
 10.00 kW OA-N
 N 145.0° E
 $E_o = 32.7 \text{ mV/m}$

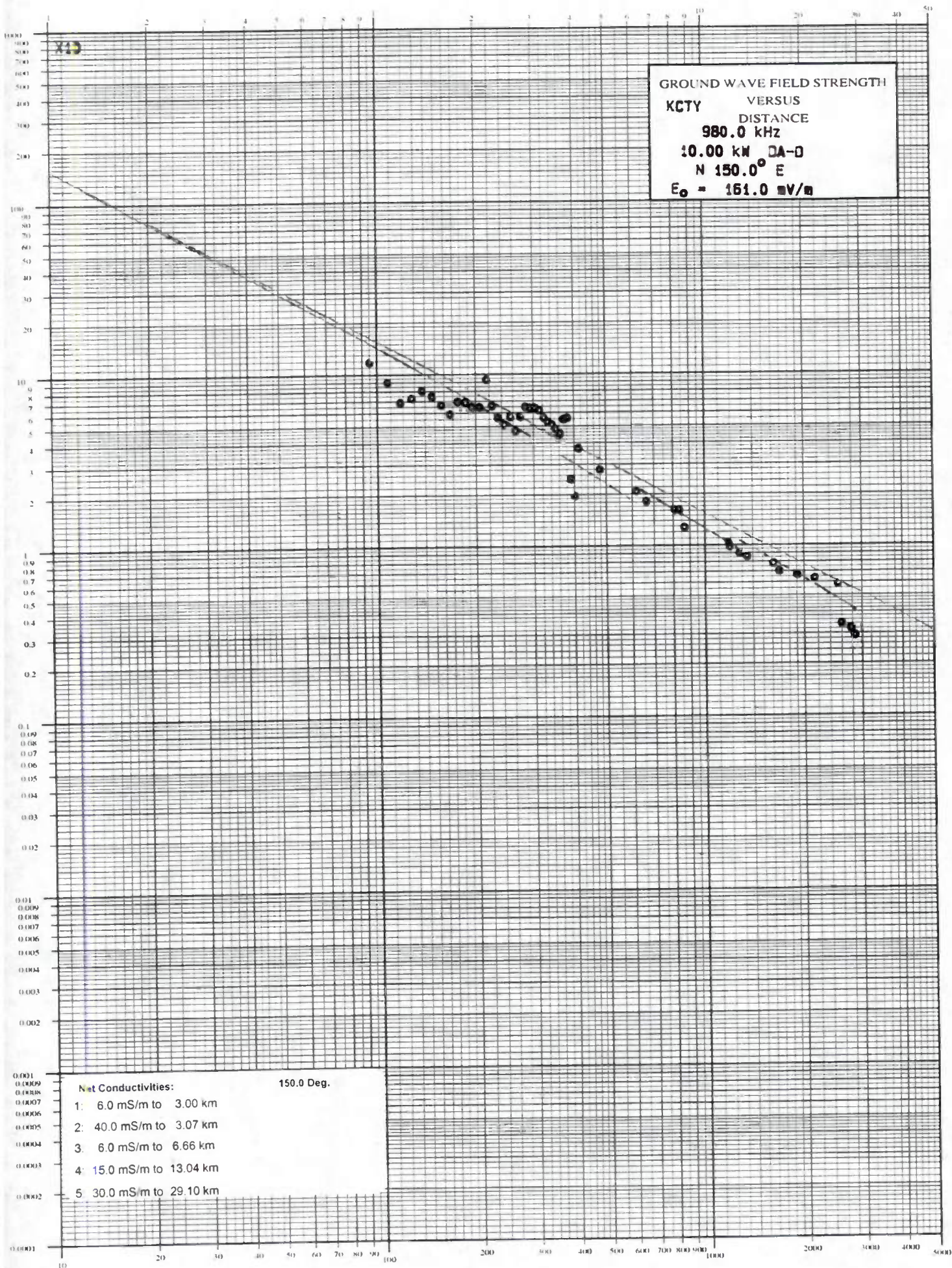


Net Conductivities: 145.0 Deg.
 1: 6.0 mS/m to 3.00 km
 2: 8.0 mS/m to 23.80 km
 3: 10.0 mS/m to 31.30 km

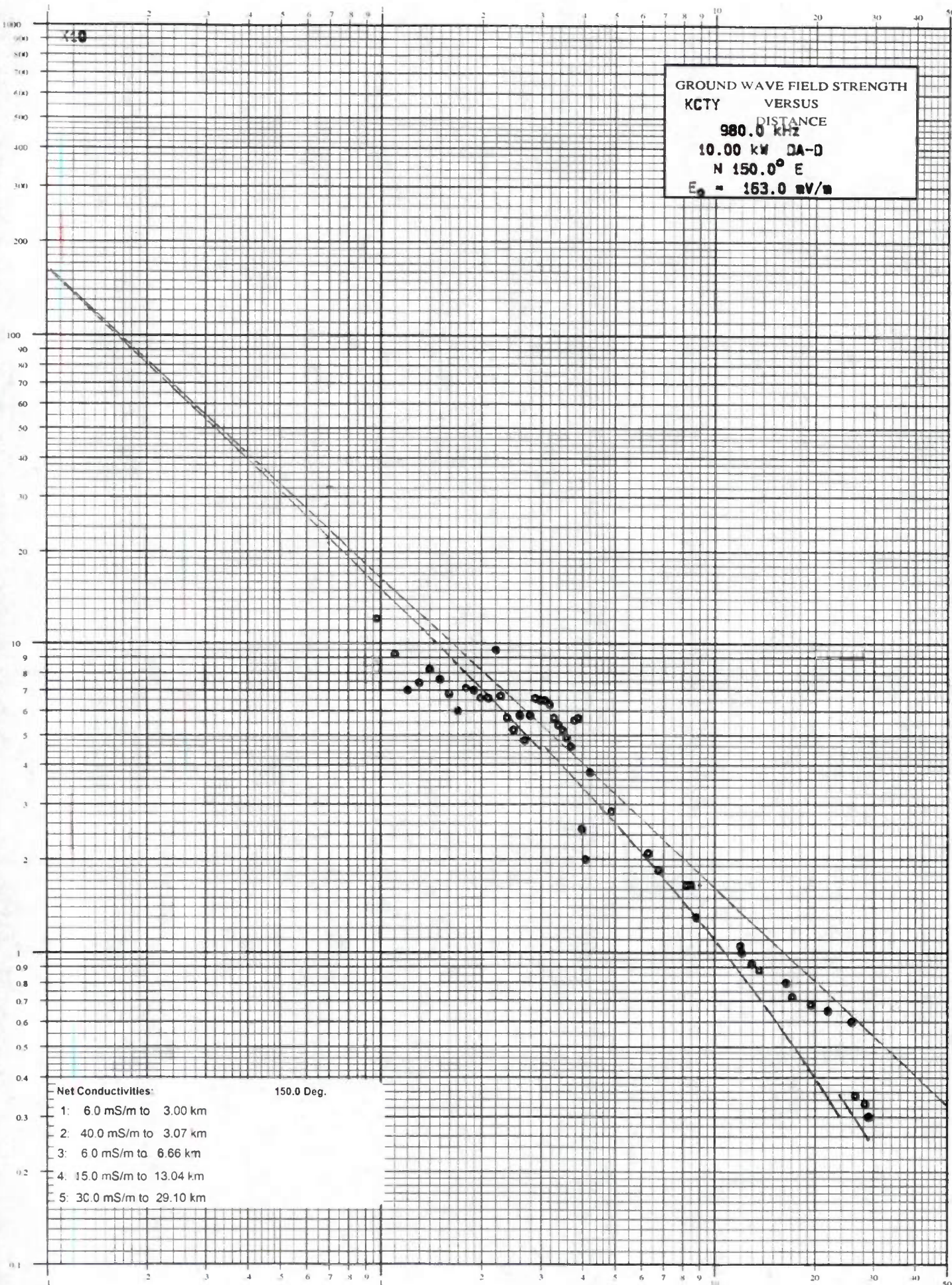












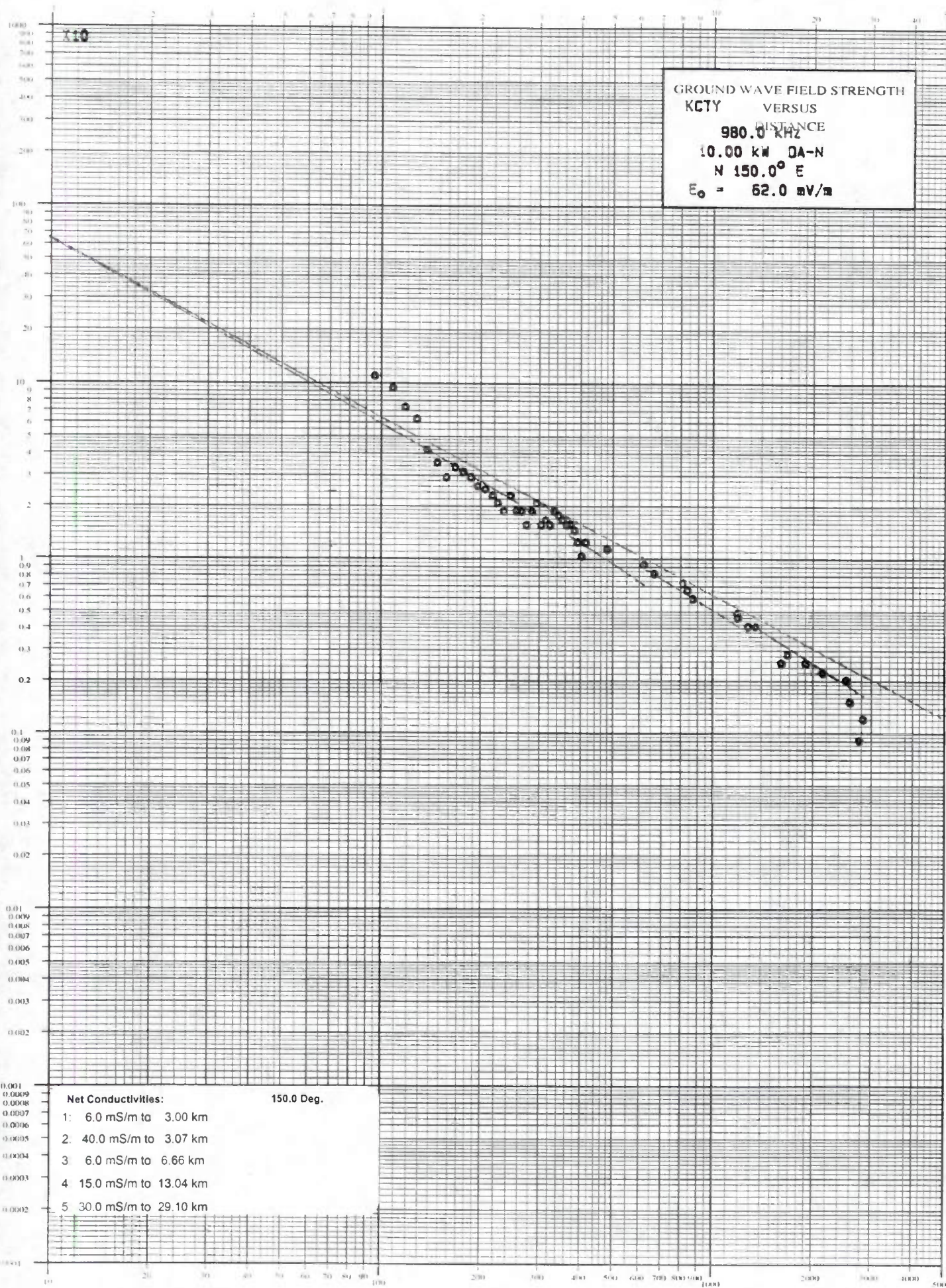
1

GROUND WAVE FIELD STRENGTH
KCTY
VERSUS
DISTANCE
980.0 KHz
10.00 kW OA-N
N 150.0° E
 $E_0 = 62.0 \text{ mV/m}$





GROUND WAVE FIELD STRENGTH

KCTY VERSUS

DISTANCE

980.0 kHz

10.00 kW DA-N

N 150.0° E

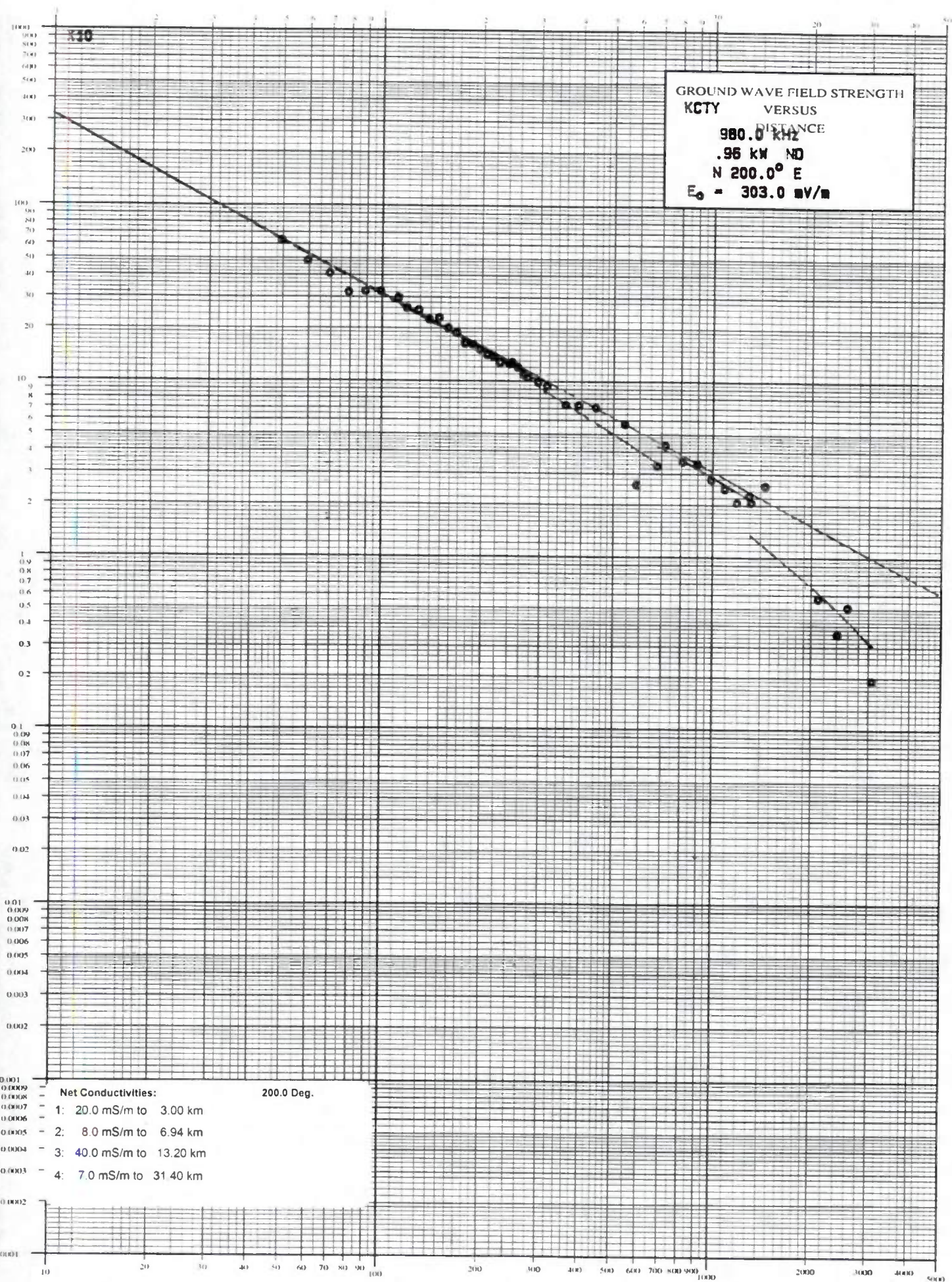
$E_0 = 62.0 \text{ mV/m}$

Net Conductivities:

150.0 Deg.

- 1: 6.0 mS/m to 3.00 km
- 2: 40.0 mS/m to 3.07 km
- 3: 6.0 mS/m to 6.66 km
- 4: 15.0 mS/m to 13.04 km
- 5: 30.0 mS/m to 29.10 km





GROUND WAVE FIELD STRENGTH
KCTY
VERSUS
DISTANCE

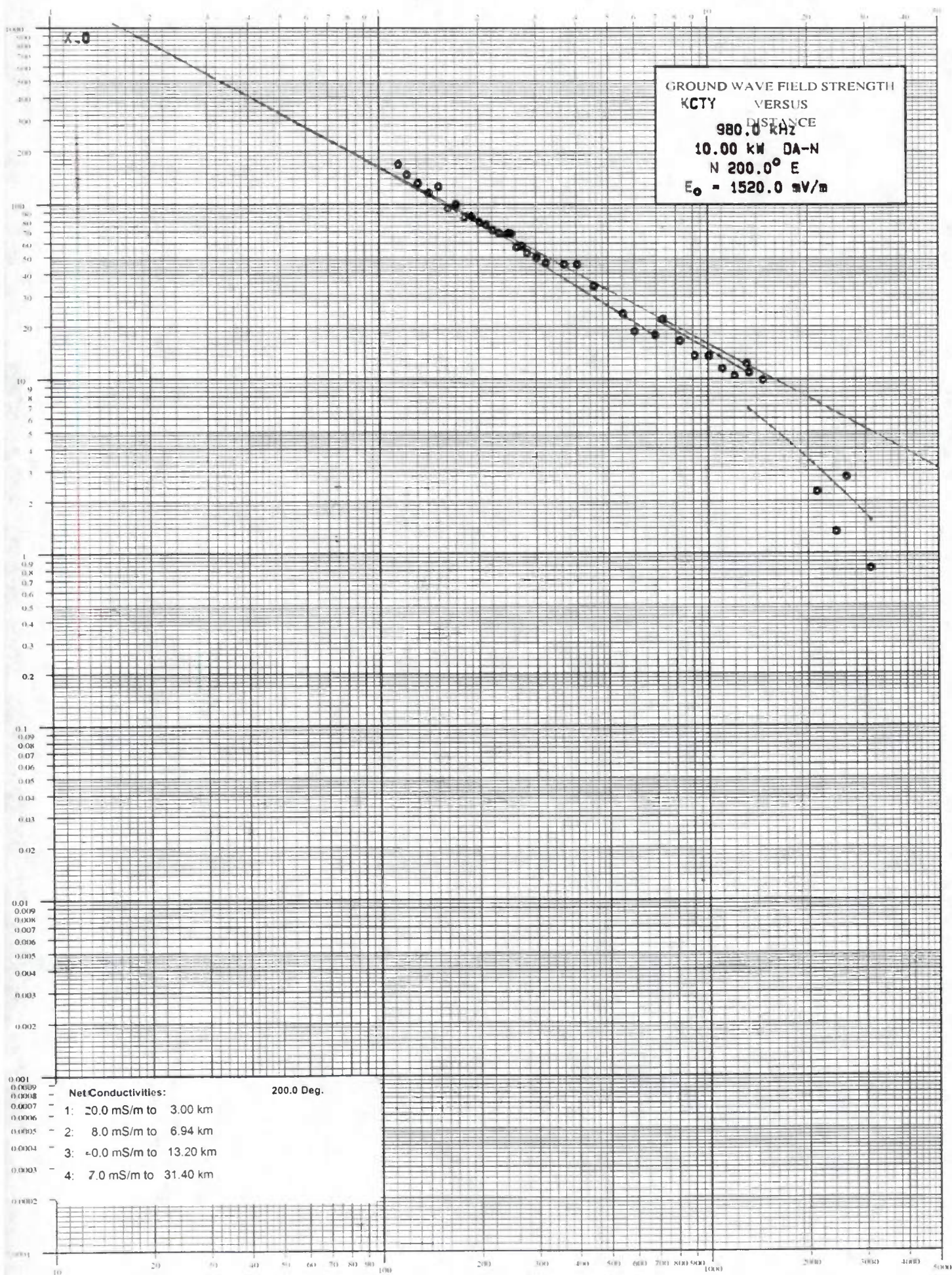
980.0 KHz
10.00 kW DA-0
N 200.0° E
 $E_0 = 1590.0 \text{ mV/m}$

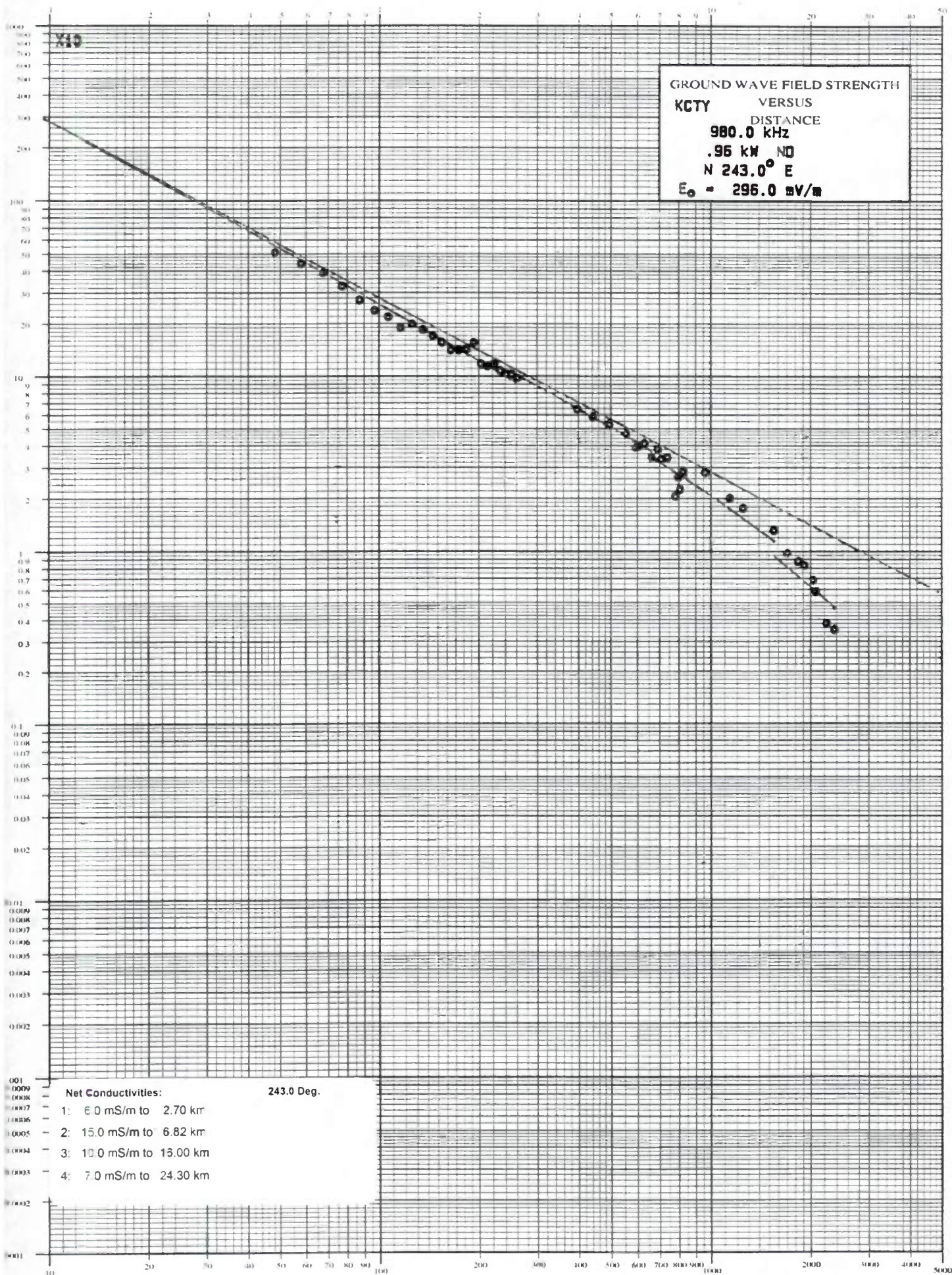
Net Conductivities:

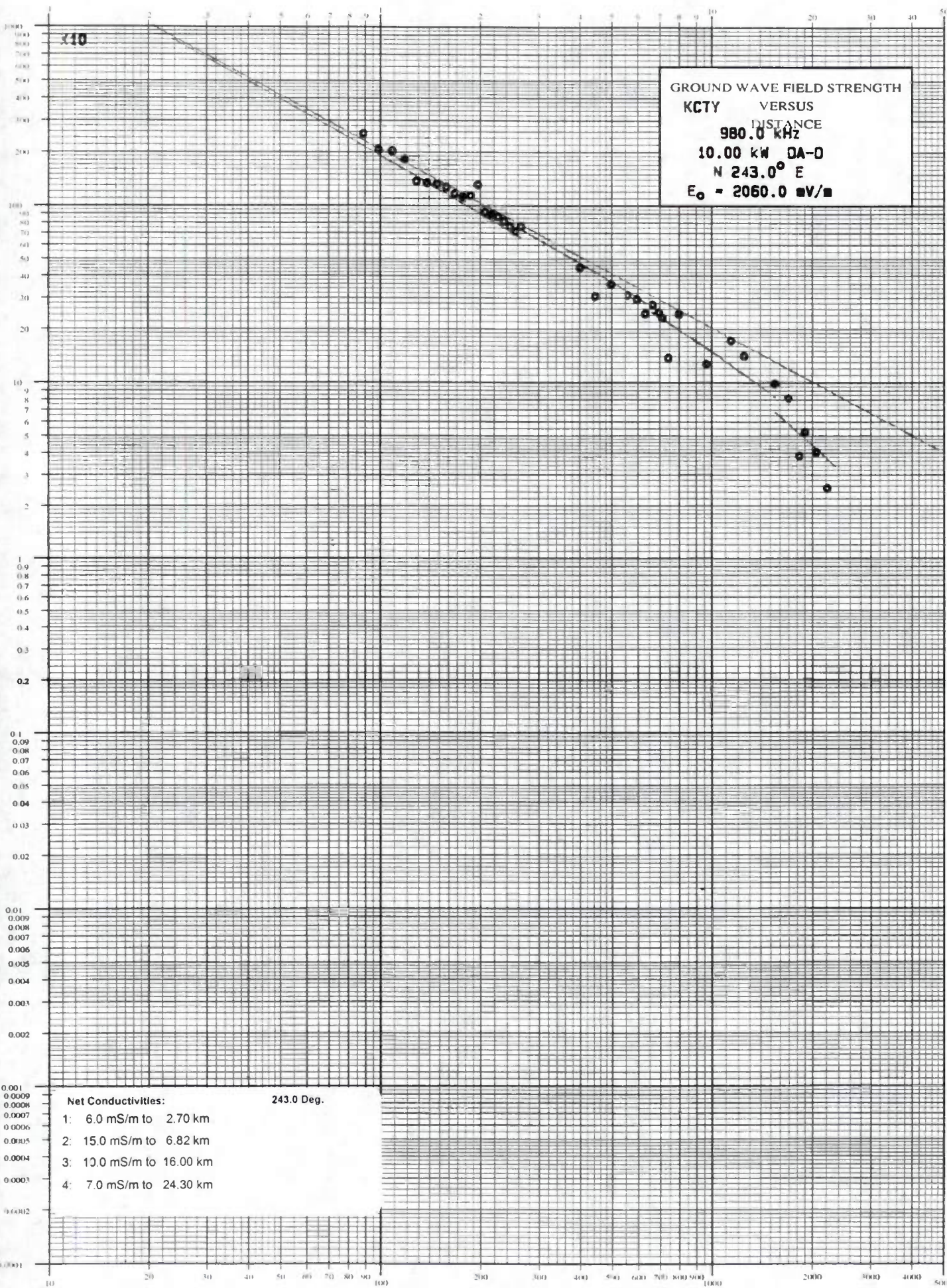
200.0 Deg.

- 1: 20.0 mS/m to 3.00 km
- 2: 8.0 mS/m to 6.94 km
- 3: 40.0 mS/m to 13.20 km
- 4: 7.0 mS/m to 31.40 km



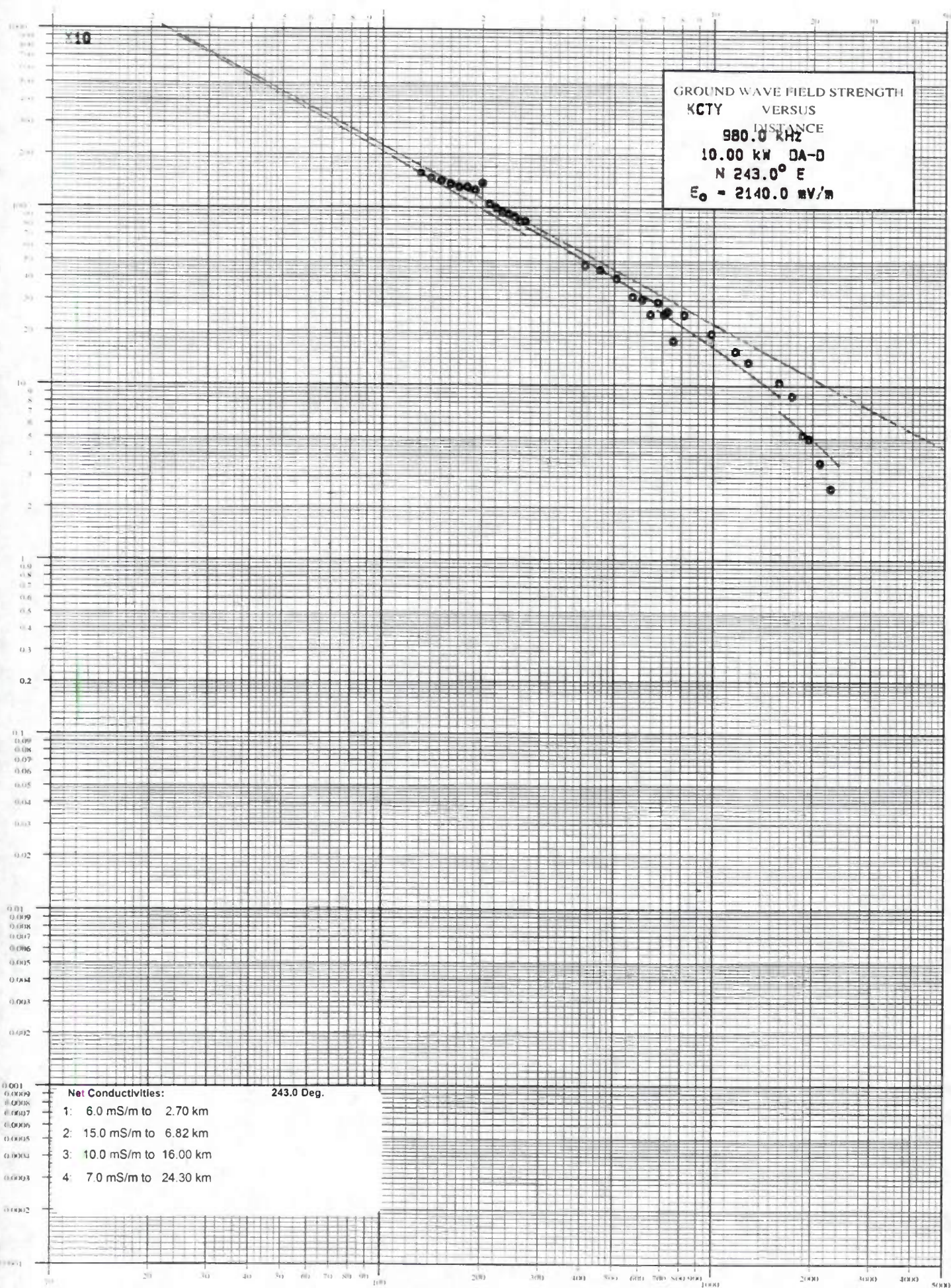






GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 kHz
10.00 kW DA-0
N 243.0° E
E₀ = 2060.0 mV/m

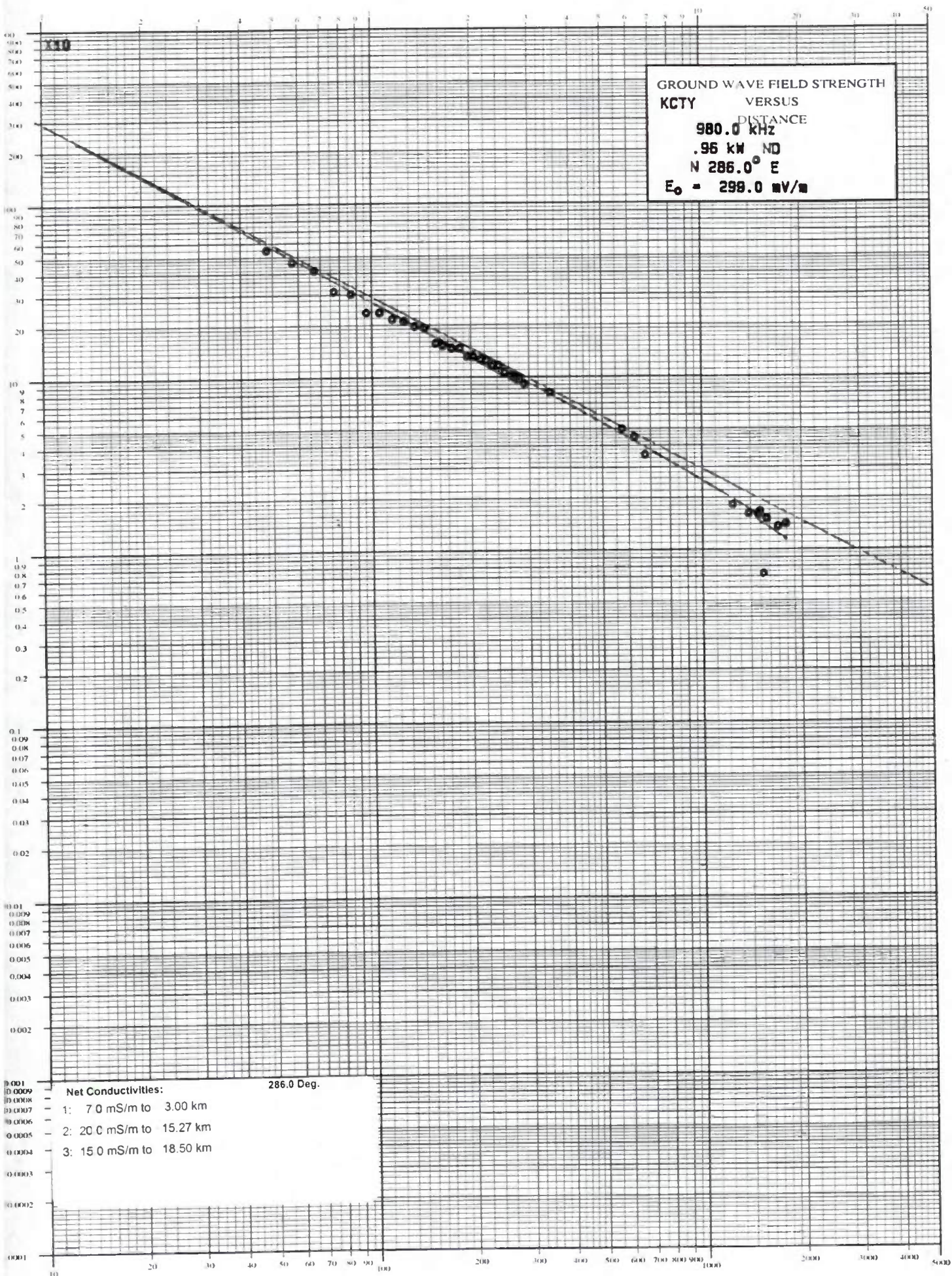
Net Conductivities: 243.0 Deg.
1: 6.0 mS/m to 2.70 km
2: 15.0 mS/m to 6.82 km
3: 10.0 mS/m to 16.00 km
4: 7.0 mS/m to 24.30 km

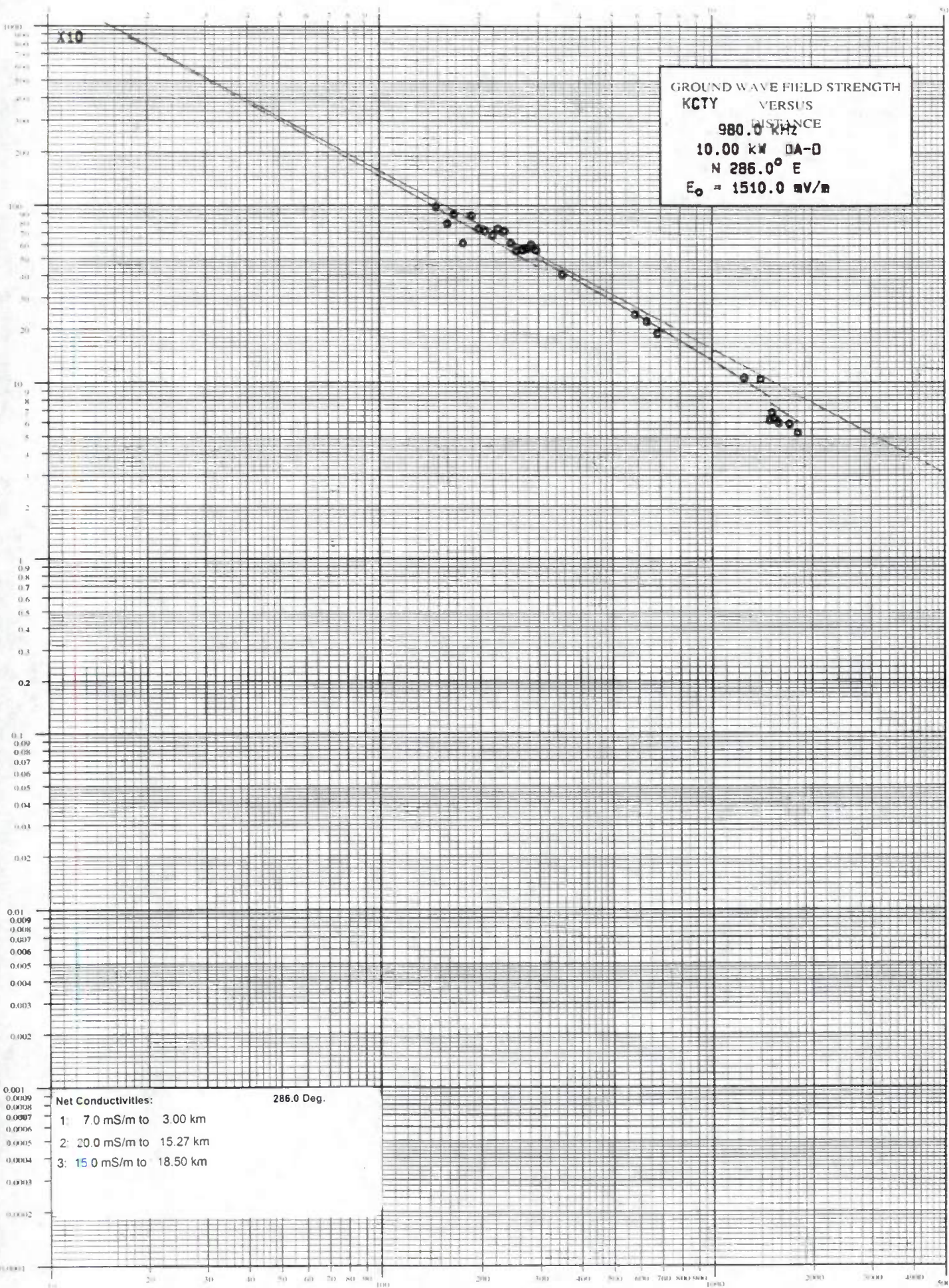


GROUND WAVE FIELD STRENGTH
VERSUS
DISTANCE
980.0 KHZ
10.00 KW DA-D
N 243.0° E
E₀ = 2140.0 mV/m

Net Conductivities: 243.0 Deg.
1: 6.0 mS/m to 2.70 km
2: 15.0 mS/m to 6.82 km
3: 10.0 mS/m to 16.00 km
4: 7.0 mS/m to 24.30 km

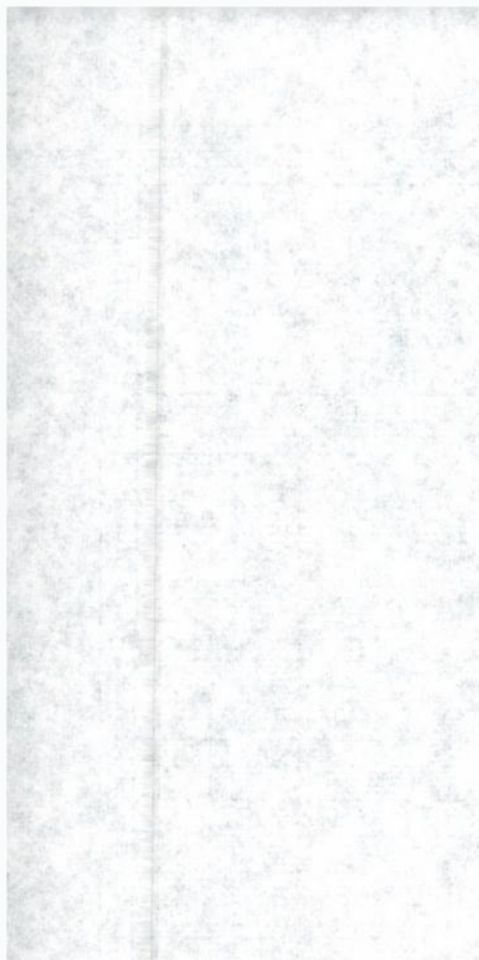


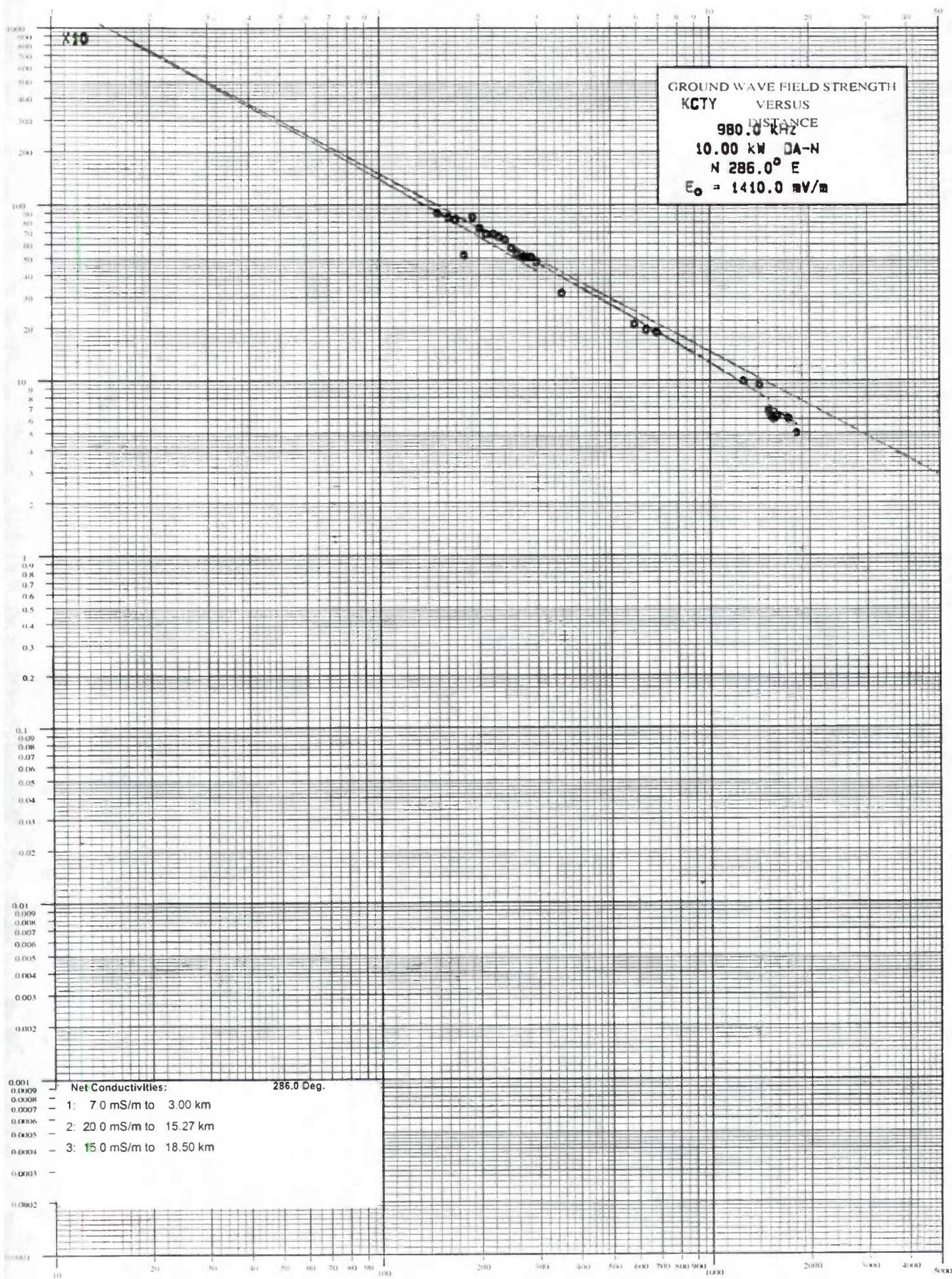




GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 KHz
10.00 kW DA-D
N 286.0° E
E₀ = 1510.0 mV/m

Net Conductivities: 286.0 Deg.
1: 7.0 mS/m to 3.00 km
2: 20.0 mS/m to 15.27 km
3: 15.0 mS/m to 18.50 km



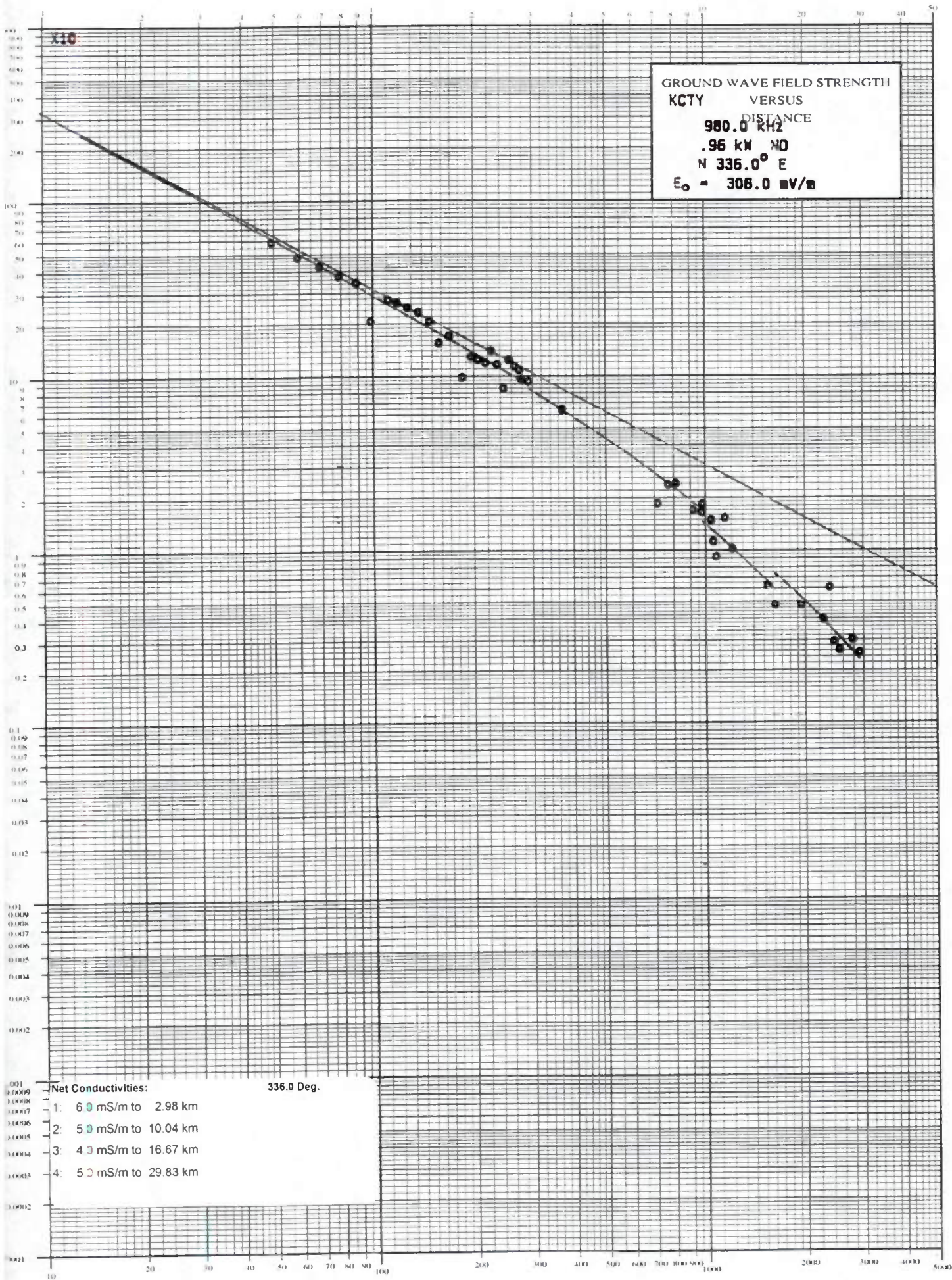


GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 kHz
10.00 kW DA-N
N 286.0° E
E₀ = 1410.0 mV/m

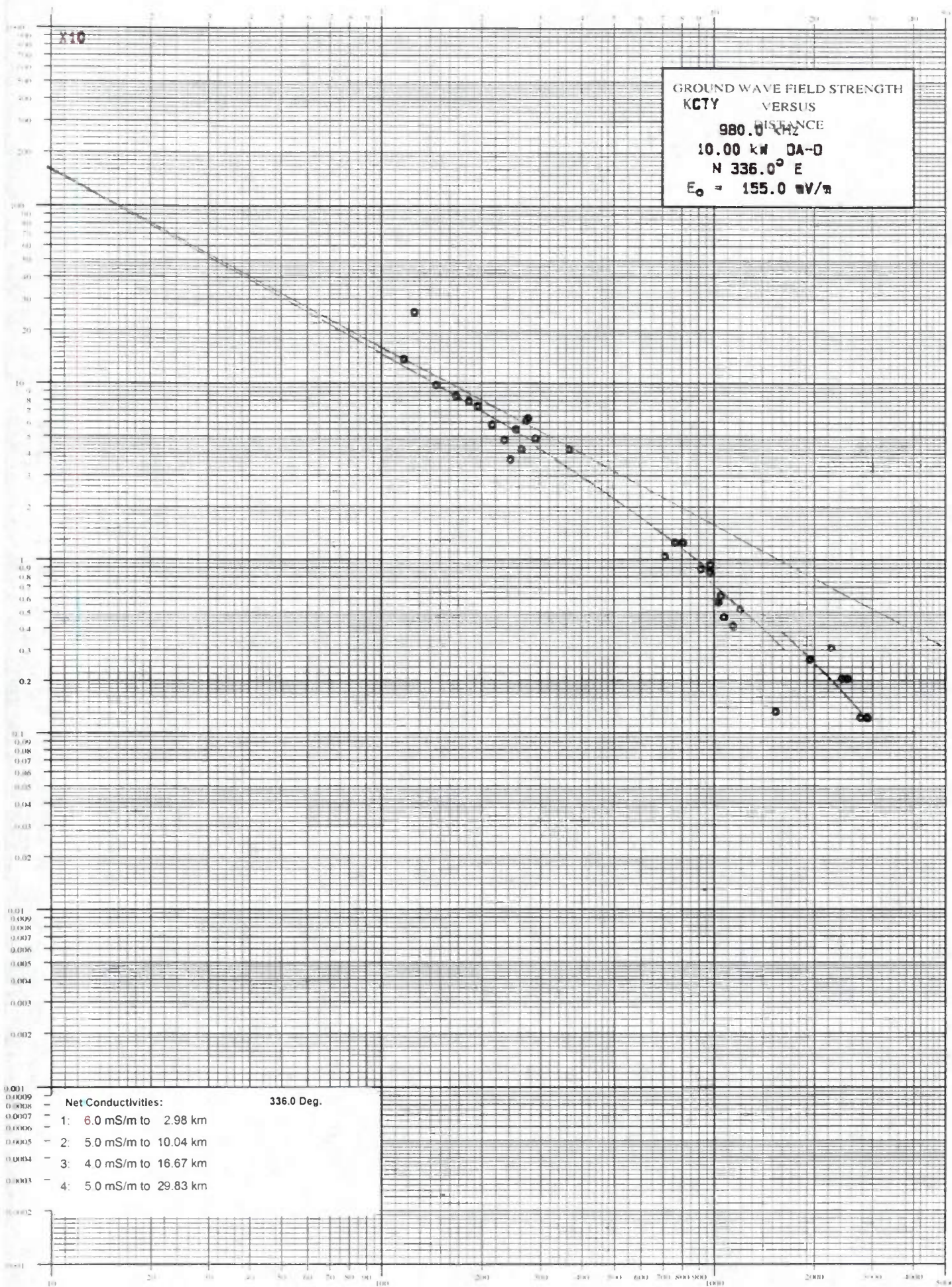
Net Conductivities: 286.0 Deg.

1:	7.0 mS/m to 3.00 km
2:	20.0 mS/m to 15.27 km
3:	15.0 mS/m to 18.50 km

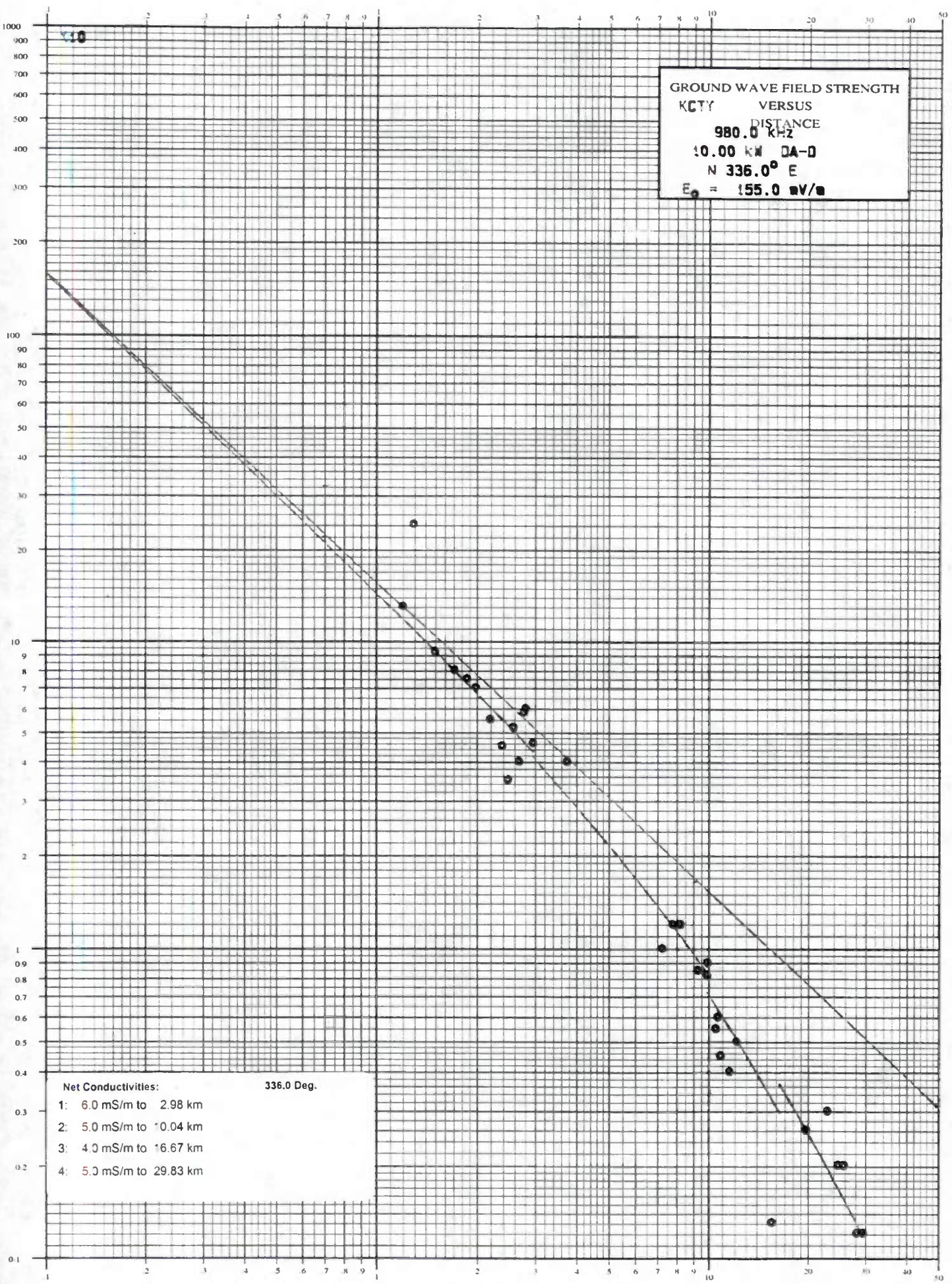












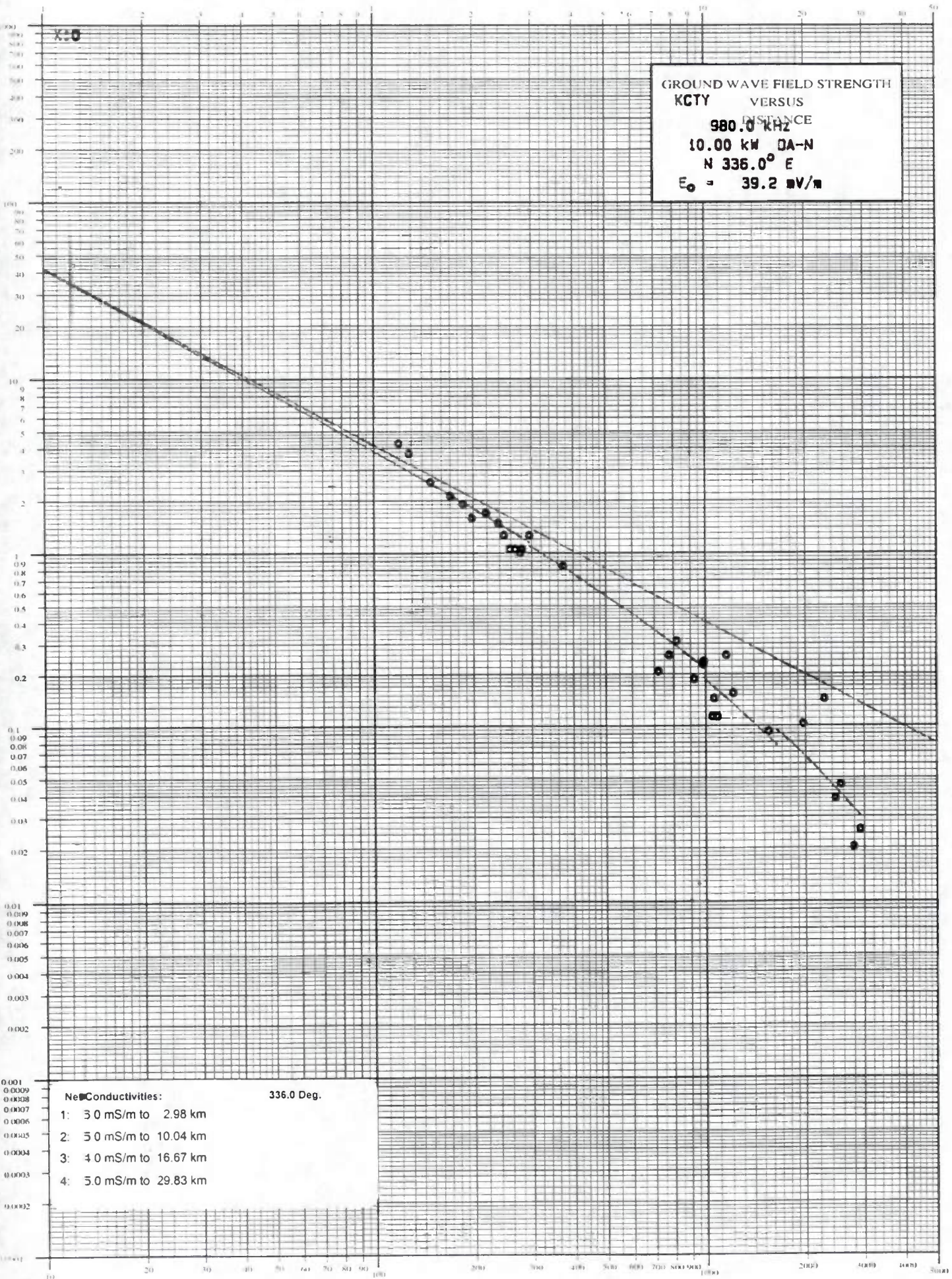
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
 DISTANCE
980.0 kHz
10.00 kW DA-0
N 336.0° E
E₀ = 155.0 mV/m

Net Conductivities: 336.0 Deg.
1: 6.0 mS/m to 2.98 km
2: 5.0 mS/m to 10.04 km
3: 4.0 mS/m to 16.67 km
4: 5.0 mS/m to 29.83 km

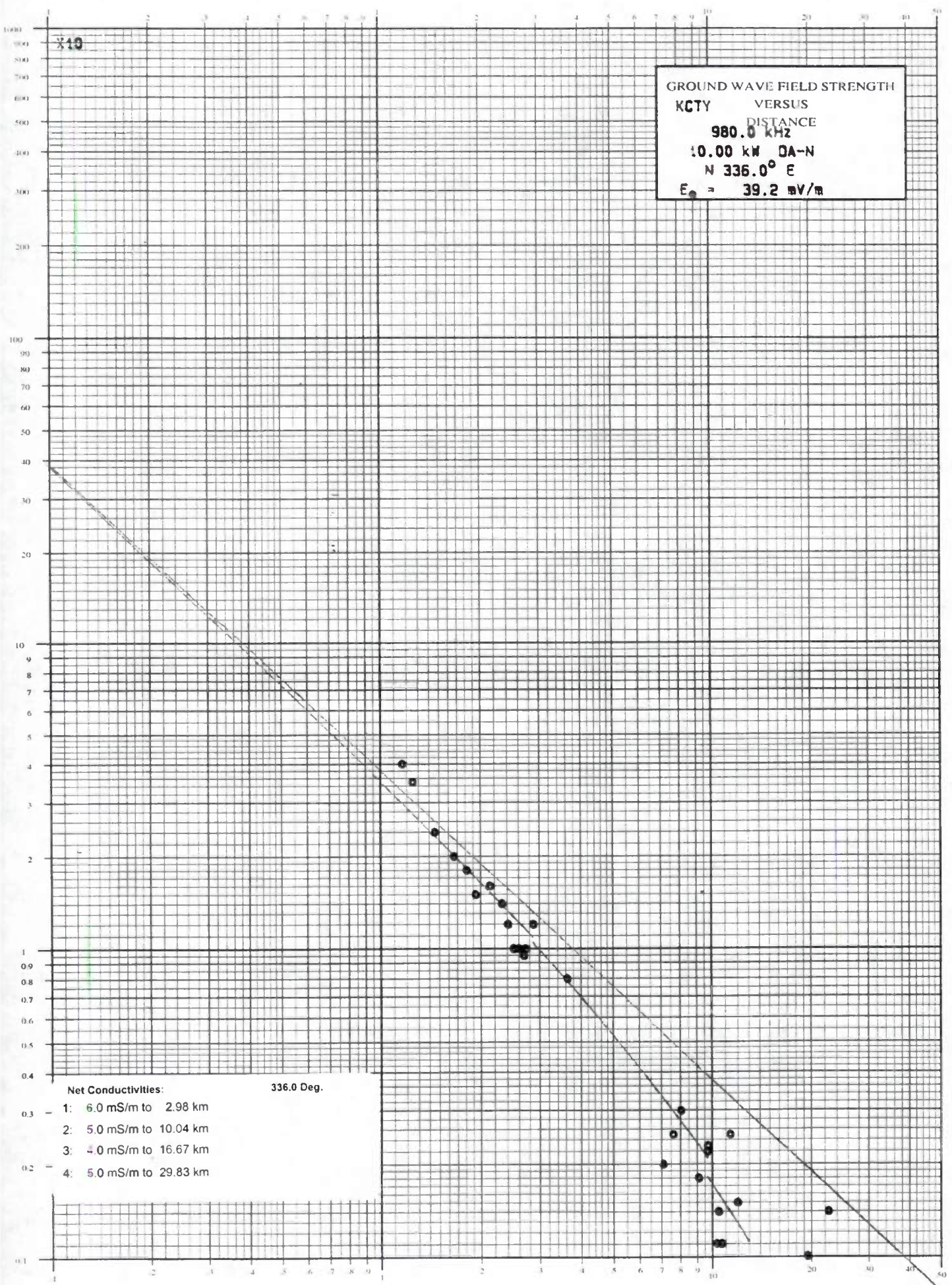


GROUND WAVE FIELD STRENGTH KCTY VERSUS

980.0 KHZ
10.00 kW DA-N
N 336.0° E
 $E_o = 39.2 \text{ mV/m}$









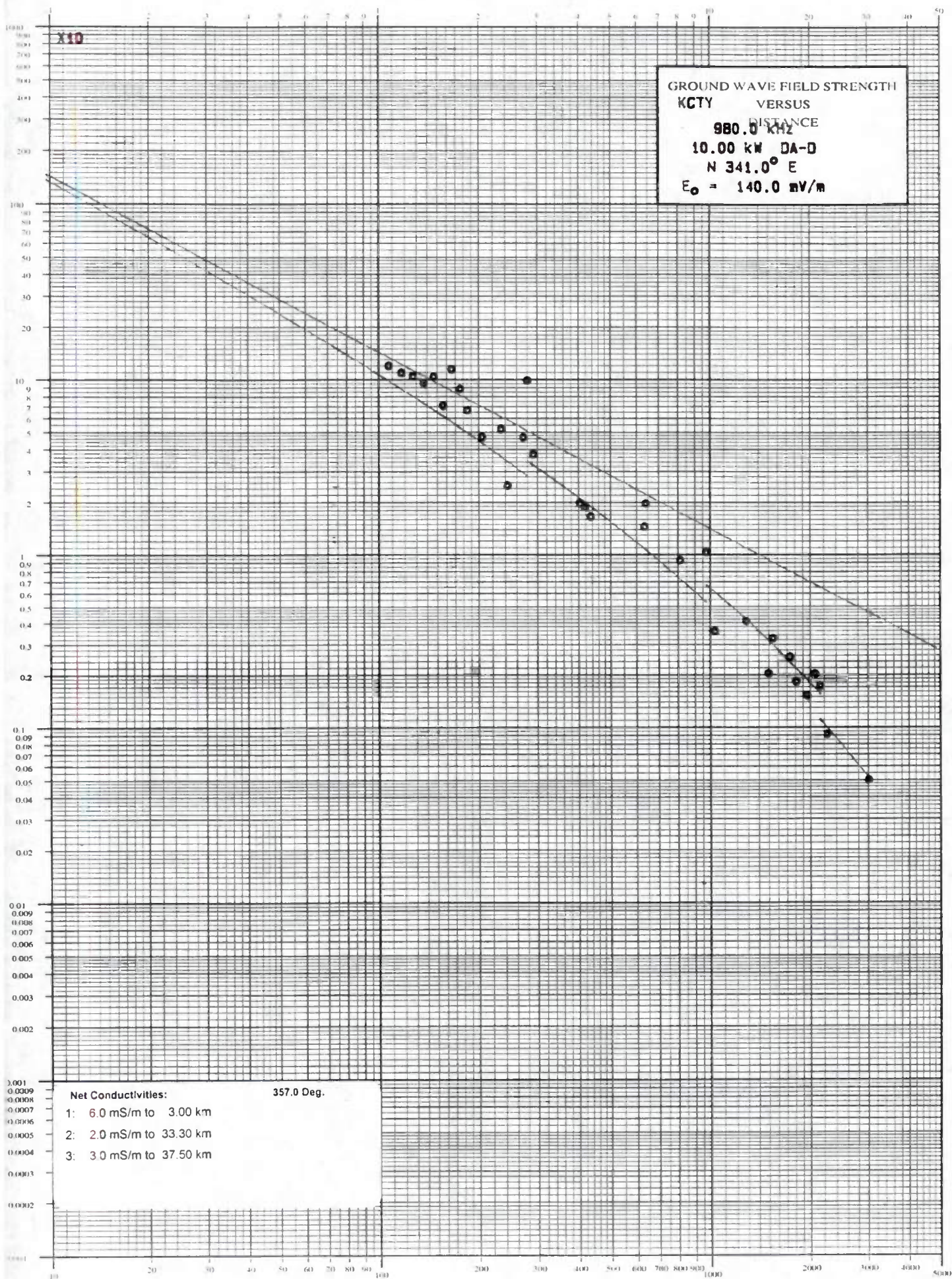
K10

GROUND WAVE FIELD STRENGTH
VERSUS
DISTANCE
980.0 kHz
.96 kW NO
N 341.0° E
 $E_0 = 317.0 \text{ mV/m}$

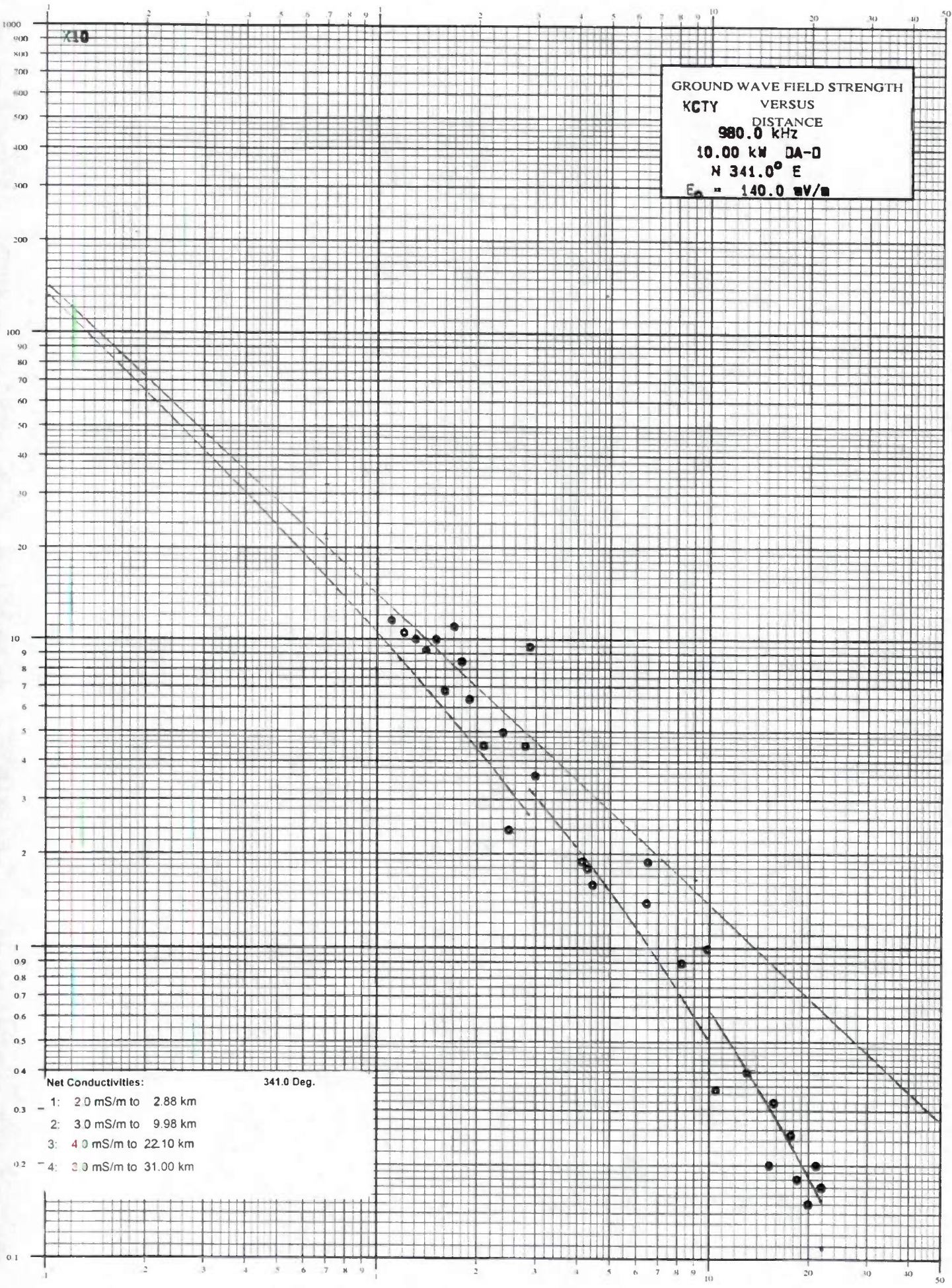
Net Conductivities:

341.0 Deg.

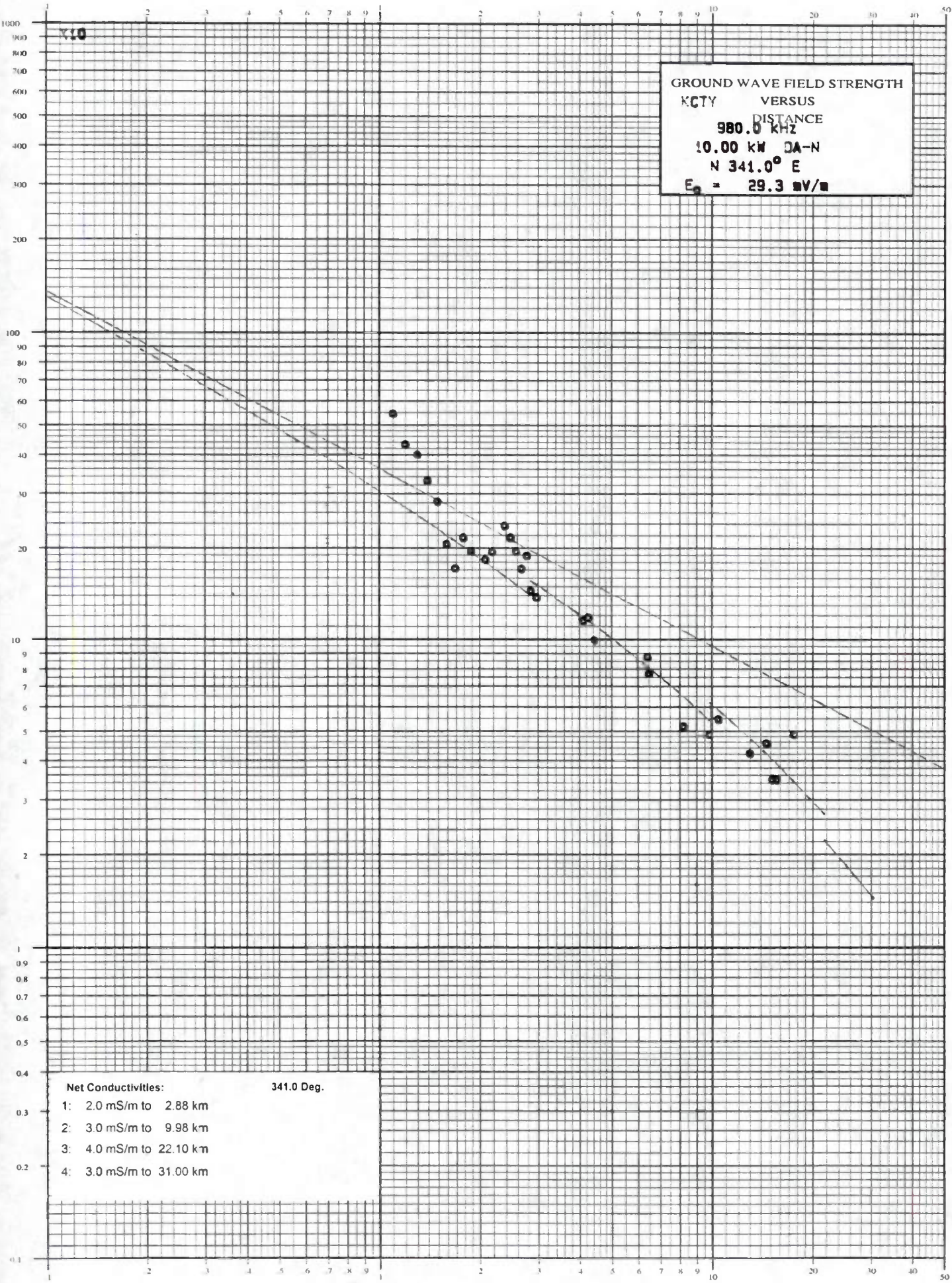
- 1: 2.0 mS/m to 2.88 km
- 2: 3.0 mS/m to 9.98 km
- 3: 4.0 mS/m to 22.10 km
- 4: 3.0 mS/m to 31.00 km













GROUND WAVE FIELD STRENGTH

KCTY VERSUS
DISTANCE

980.0 KHz

10.00 kW JA-N

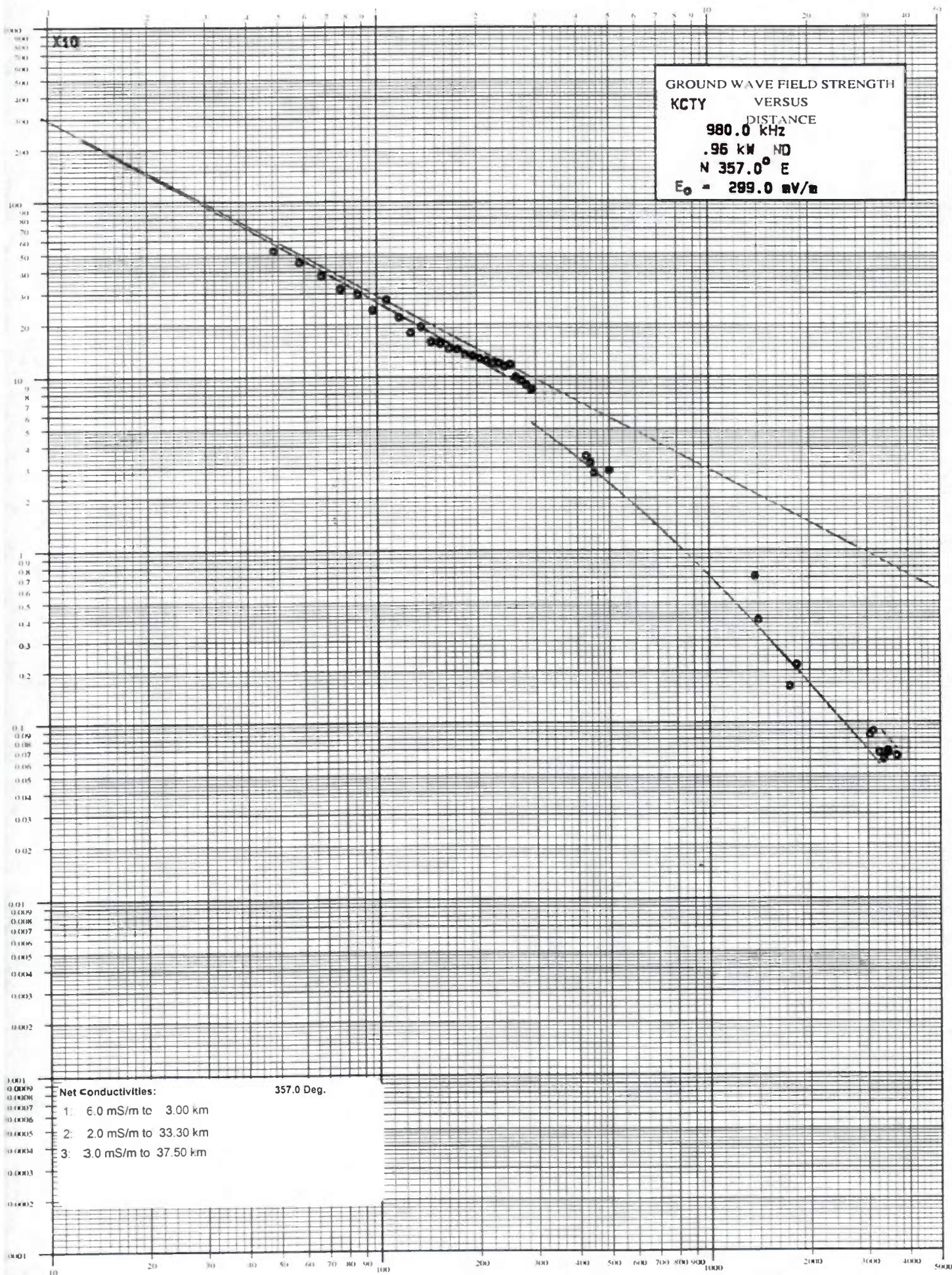
N 341.0° E

$E_0 = 29.3 \text{ mV/m}$

Net Conductivities

341.0 Deg.

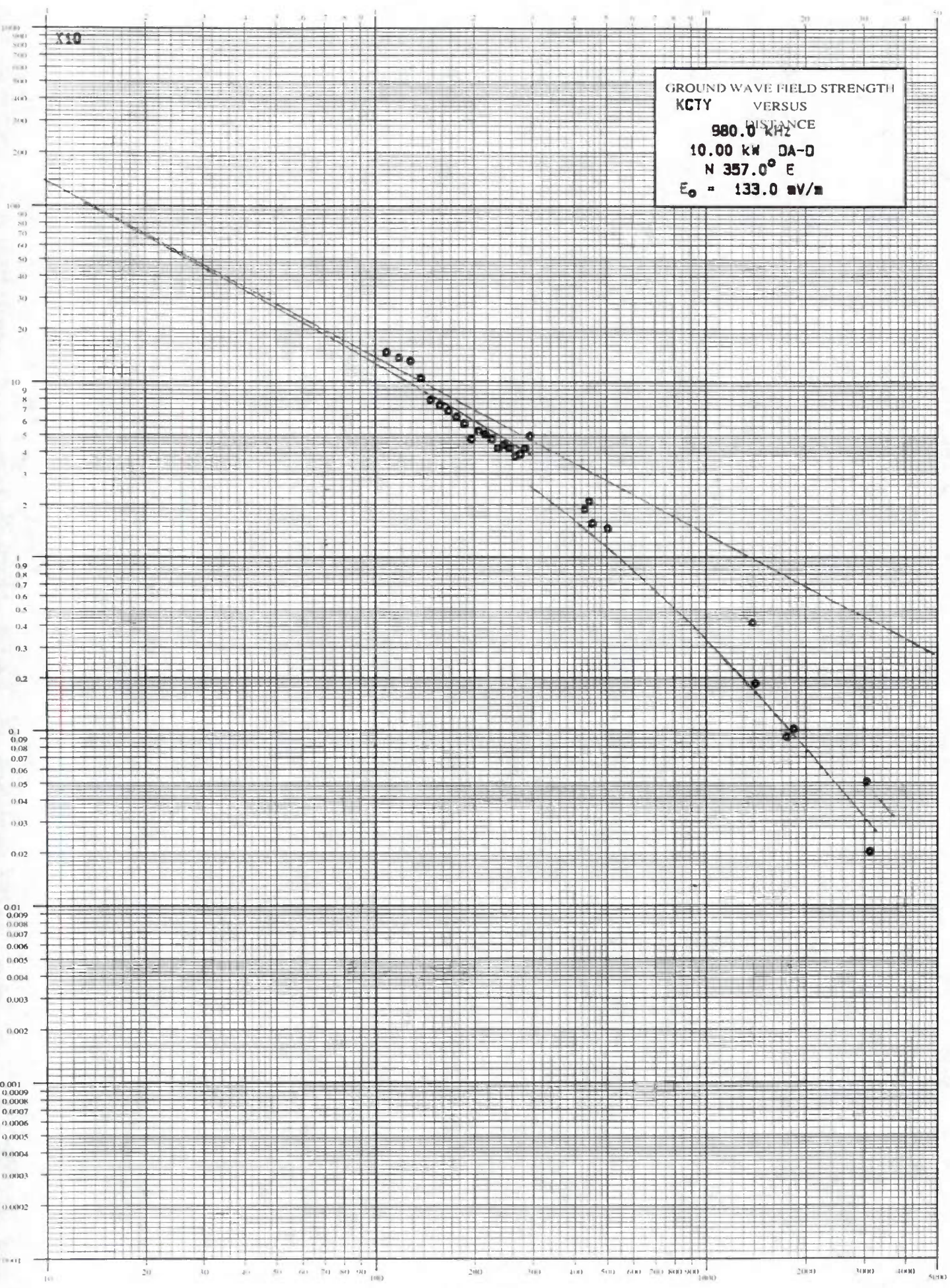
- 1: 2.0 mS/m to 2.88 km
- 2: 3.0 mS/m to 9.98 km
- 3: 4.0 mS/m to 22.10 km
- 4: 3.0 mS/m to 31.00 km

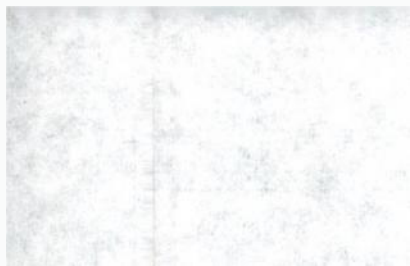




X10

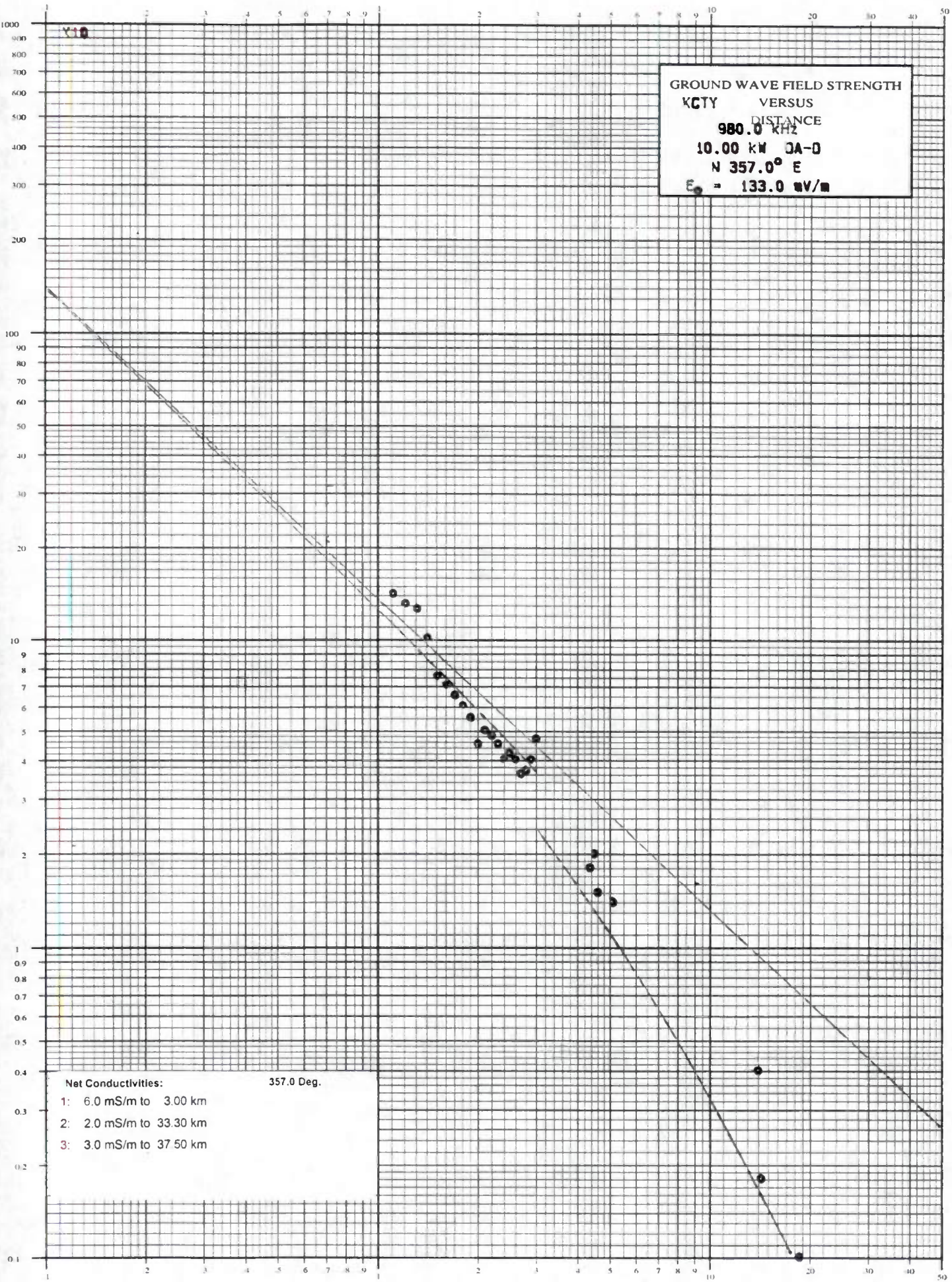
GROUND WAVE FIELD STRENGTH
KCTY VERSUS
DISTANCE
980.0 KHz
10.00 kW DA-D
N 357.0° E
 $E_0 = 133.0 \text{ mV/m}$





1000

GROUND WAVE FIELD STRENGTH
 KCTY VERSUS
 DISTANCE
 980.0 KHz
 10.00 kW JA-D
 N 357.0° E
 $E_0 = 133.0 \text{ mV/m}$



Net Conductivities: 357.0 Deg.
 1: 6.0 mS/m to 3.00 km
 2: 2.0 mS/m to 33.30 km
 3: 3.0 mS/m to 37.50 km

GROUND WAVE FIELD STRENGTH

KCTY VERSUS
DISTANCE

980.0 kHz

10.00 kW DA-N

N 357.0° E

$E_0 = 32.9$ mV/m

Y10

Net Conductivities:

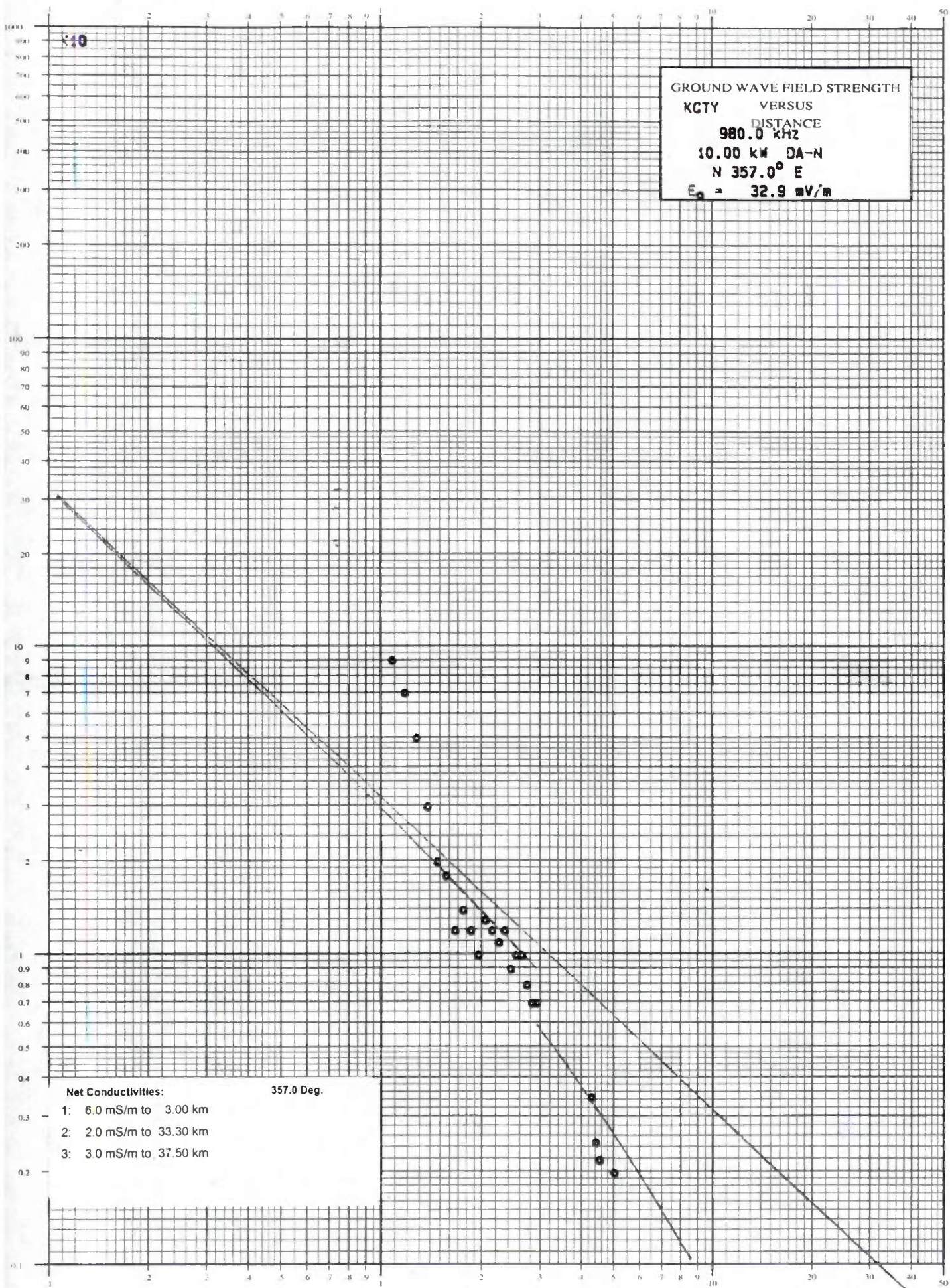
357.0 Deg.

1: 6.0 mS/m to 3.00 km

2: 2.0 mS/m to 33.30 km

3: 3.0 mS/m to 37.50 km



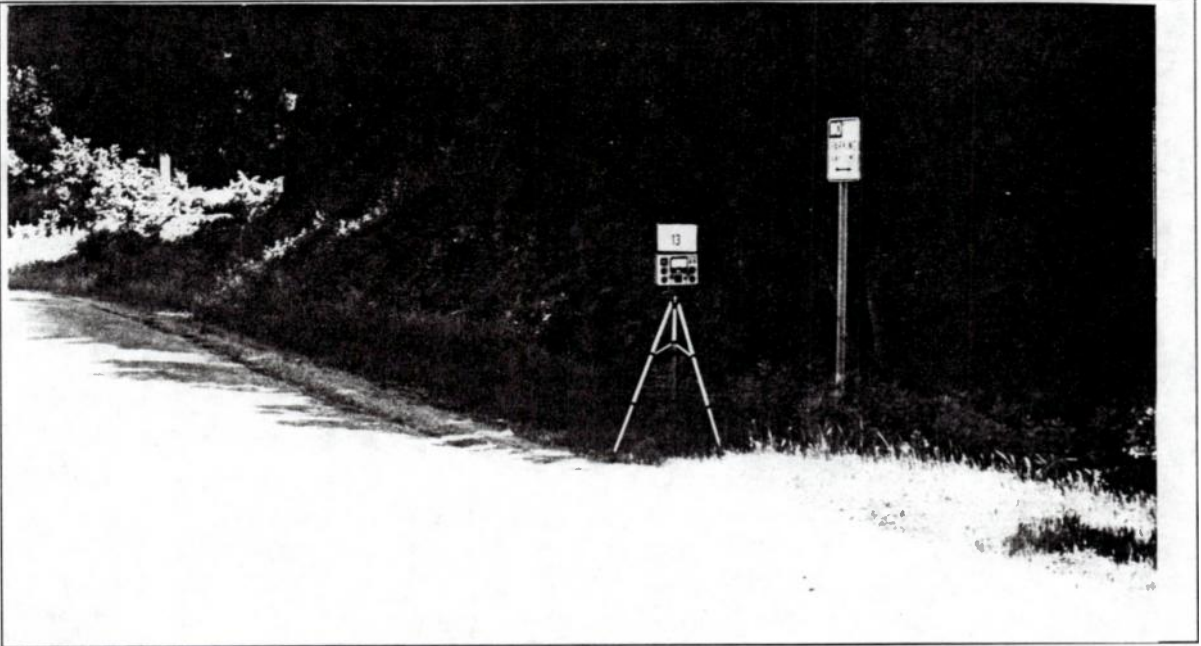




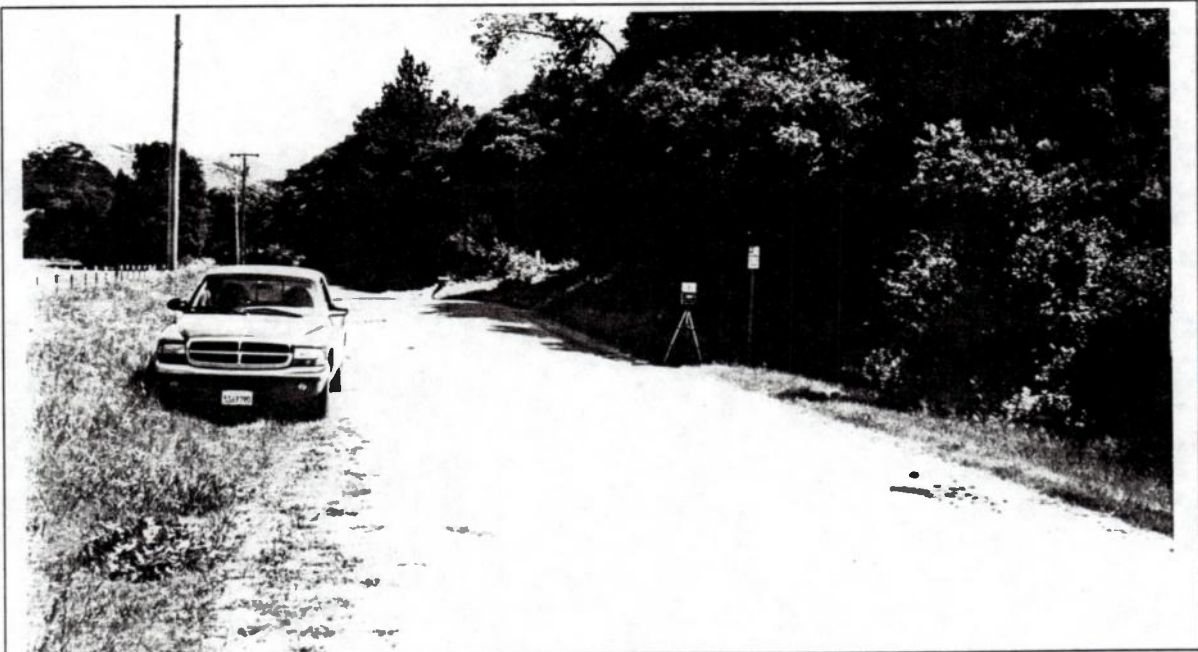
Monitoring Points

13 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn right .96 Km to the junction of Natividad Rd., turn right 1.84 Km to Old Stage Rd. junction, right again 5.47 Km. to mailbox #163 & No Parking sign on orange post, by mile marker 22.06. Measurement is made on South side of road away from powerlines. This is point # 26, 6.87 Km on the 13 degree radial. Signal strength should not exceed 2.83 mV/m DA/Day

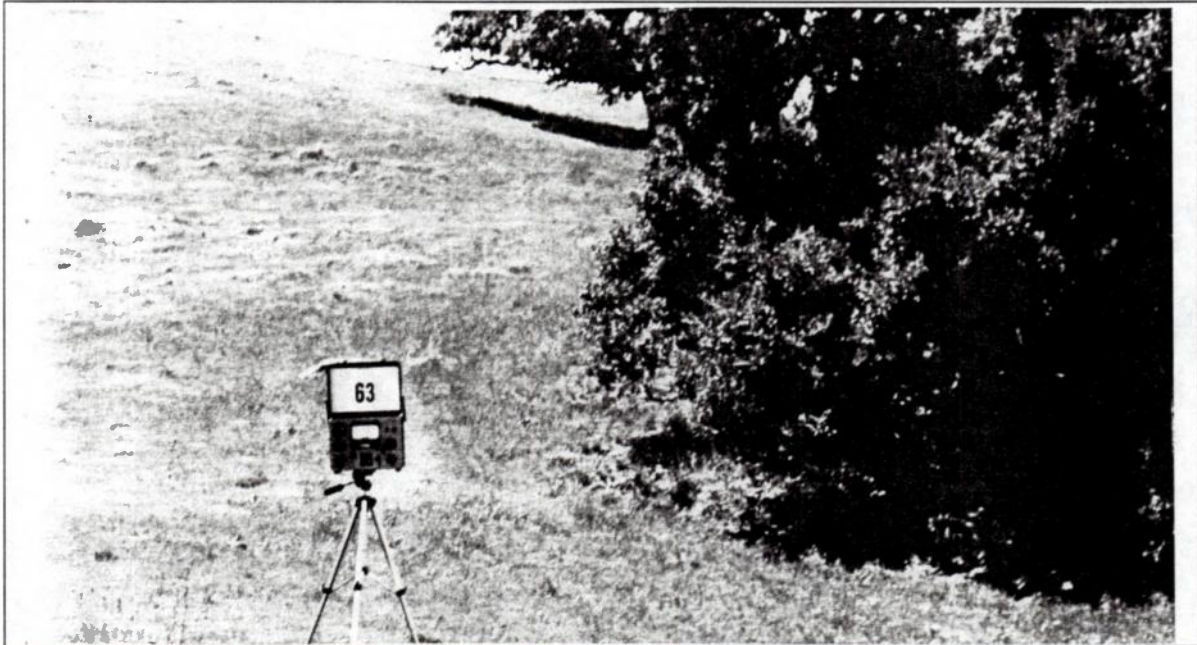




Monitoring Points

63 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn right .96 Km to the junction of Natividad Rd., turn right 1.84 Km to Old Stage Rd. junction, right again 4.22 Km. to white pipe gate on right, through gate on dirt road 4.45 Km. to point where 3 dirt roads intersect. Measurement is made at confluence of roads. This is point # 17, 2.82 Km. on the 63 degree radial, not to exceed 10 mV/m DA/day or 17.39 mV/m night



Monitoring Points

113 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn left 1.22 Km to gate on East side of road next to large Eucalyptus tree, turn left into farm road through old rifle range complex a distance of 2.6 Km from gate. Measurement is made in middle of road, in clearing with towers visible through small valley. This is point # 20, 2.4 Km on the 113 degree radial. Field strength reading should be less than 10.51 mV/m DA/Day.





Monitoring Points

129 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn left 1.22 Km to gate on East side of road next to large Eucalyptus tree, turn left into farm road through old rifle range complex a distance of 1.5 Km from gate. Measurement is made in middle of road, 100 yards west of gate. This is point # 13, 1.7 Km on the 129 degree radial, reading on the strength meter should be less than 17.88 mV/m DA/night.





Monitoring Points

145 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn left 1.22 Km to gate on East side of road next to large Eucalyptus tree, turn left into farm road through old rifle range complex a distance of .85 Km from gate. Measurement is made in middle of road. This point is # 9, 1.3 Km of the 145 degree radial. Reading should be less than 20.4 mV/m DA/nite



Monitoring Points

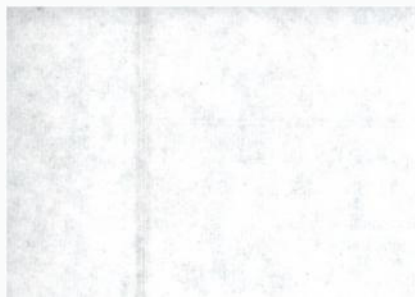
150 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn left 1.22 Km to gate on East side of road next to large Eucalyptus tree, turn left into farm road through old rifle range complex a distance of .75 Km from gate measurement is made in middle of road opposite white rock. This is point # 8 1.2 Km on the 150 degree radial. reading should be less than 111.46 mV/m DA/Day

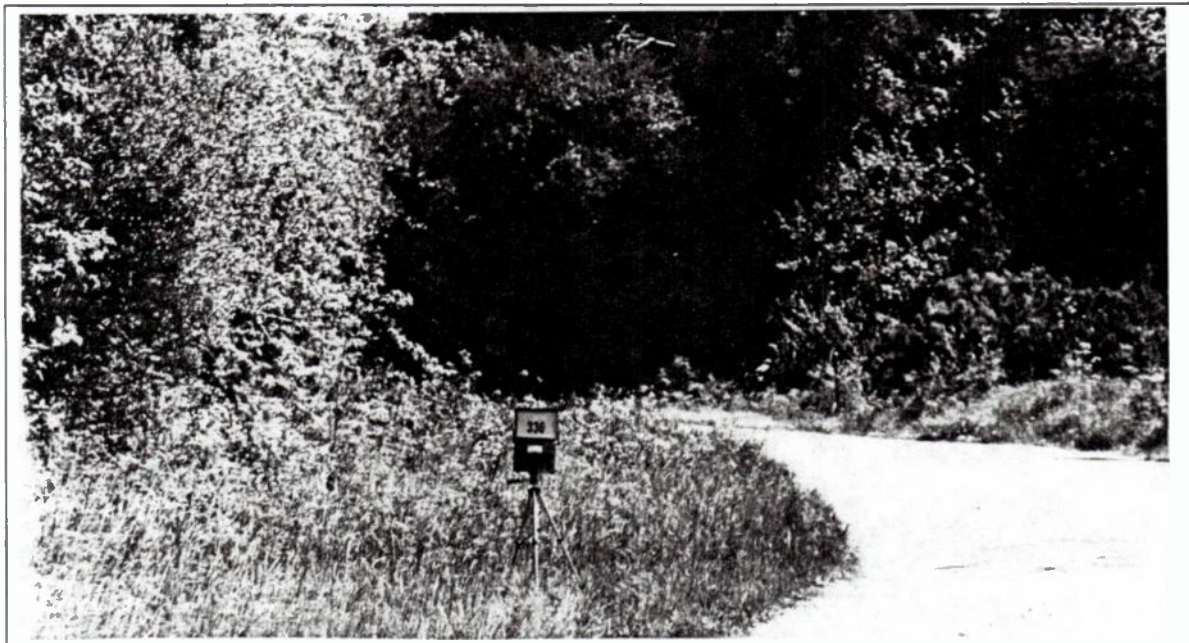




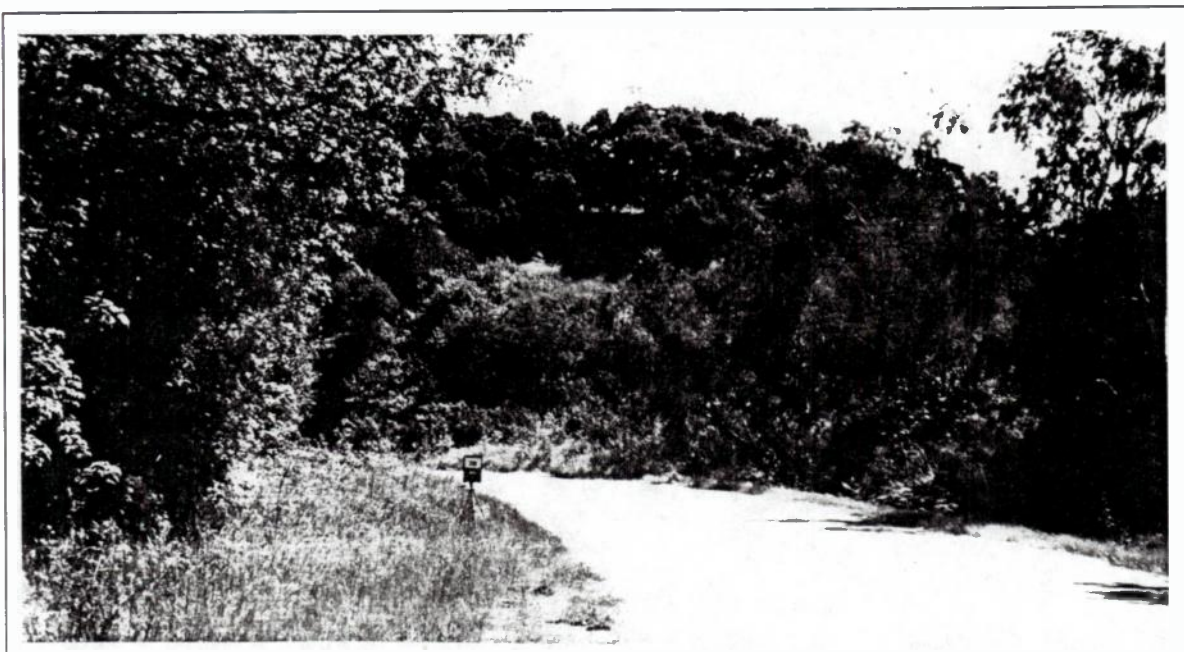
Monitoring Points

336 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn right .96 Km to the junction of Natividad Rd., turn right 1.84 Km to Old Stage Rd. junction, right again .375 Km to slight bend to the left. Measurement is made on North side of road opposite orange gas warning sign. This is Point # 25, 2.95 Km on the 336 degree radial. Signal strength should not exceed. 48.14 mV/m, DA/Day

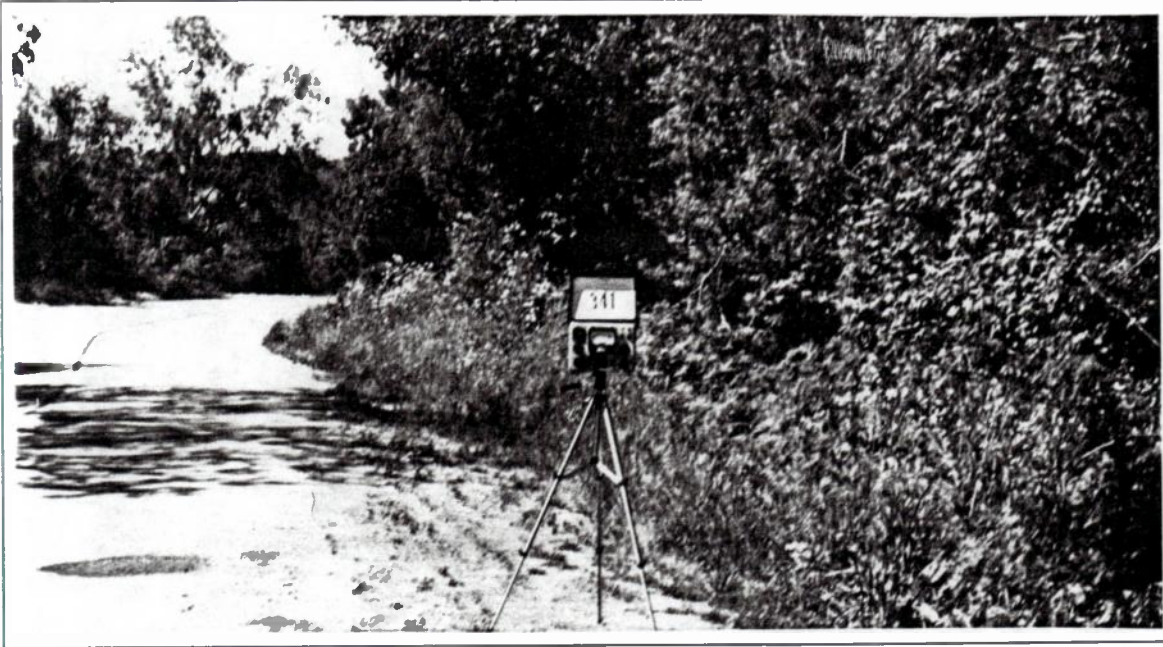




Monitoring Points

.341 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



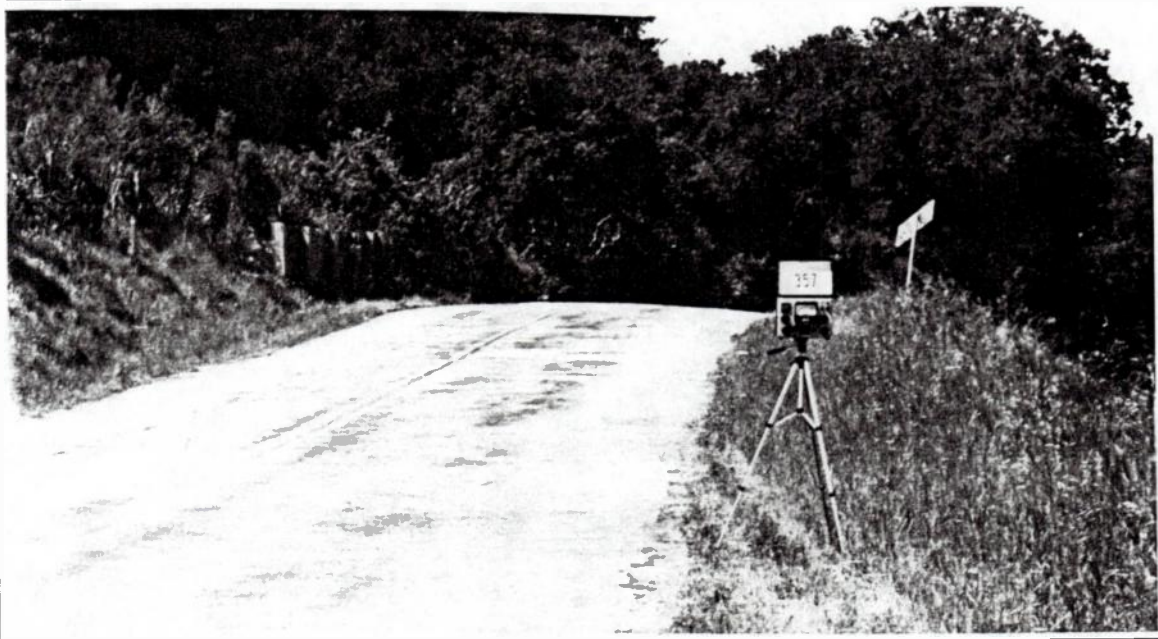
Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn right .96 Km to the junction of Natividad Rd., turn right 1.84 Km to Old Stage Rd. junction, right again .483 Km to short straight stretch of road. Measure on North side of road near creek. This is point #25, 3.00 Km on the 341 degree radial. Signal level should be below 6.81 mV/m DA/Night.



Monitoring Points

357 Degree
Radial

Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts

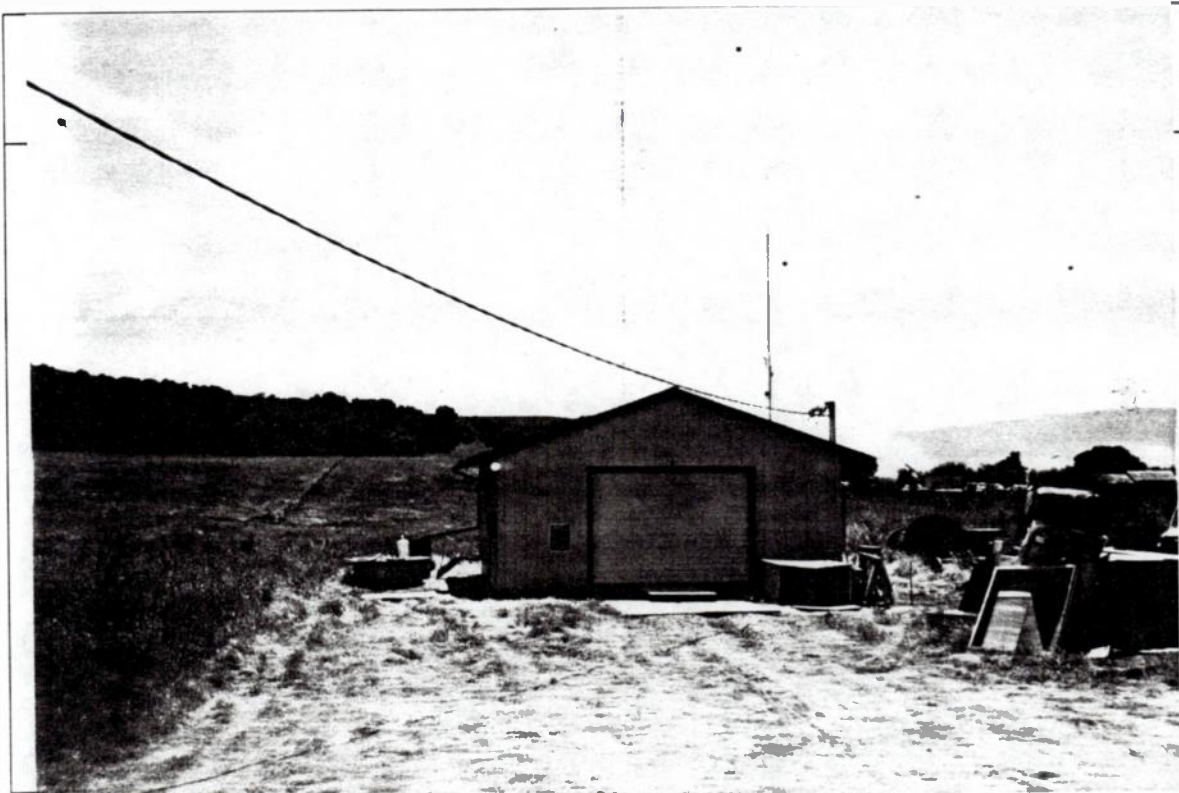
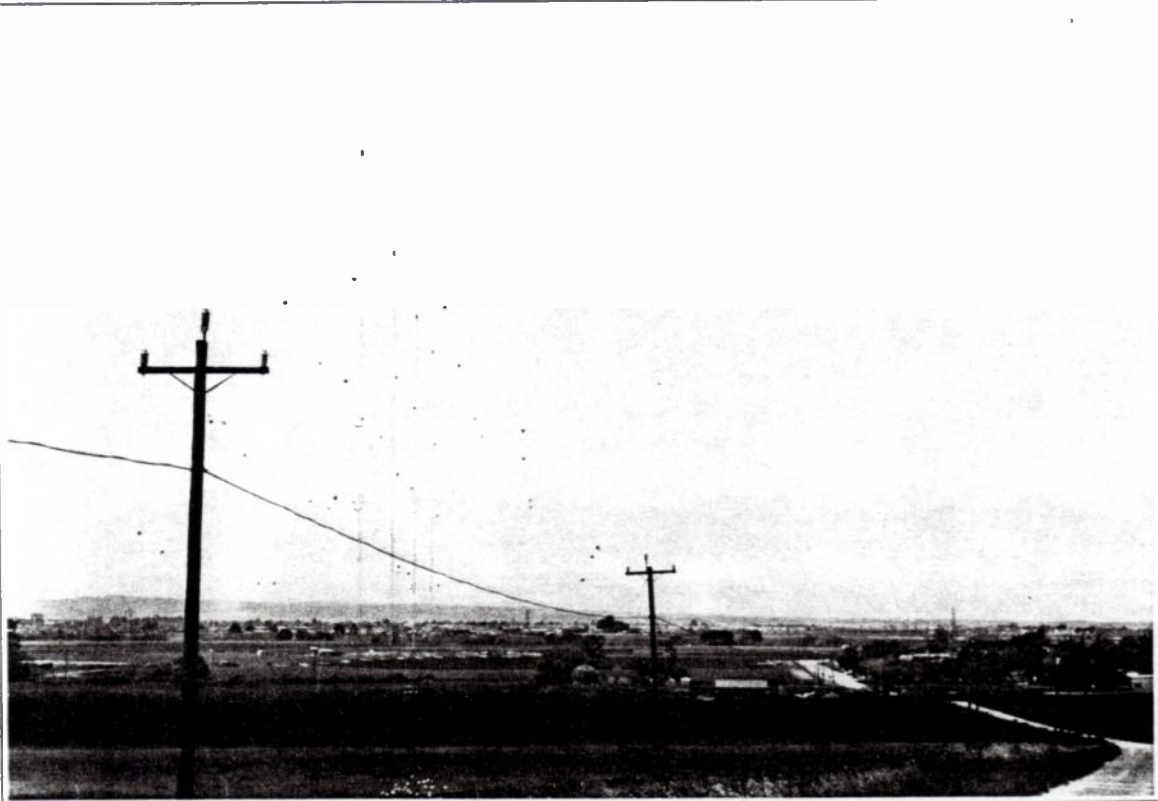


Leave the KCTY site via Old Natividad Rd. West .24 Km to Old Stage Rd, turn right .96 Km to the junction of Natividad Rd., turn right 1.84 Km to Old Stage Rd. junction, right again 2.58 Km to mile post 20.7 immediately past wood supported slope to the south. Measurement is made on North side of road at edge. this is point # 28, 4.51 Km on the 357 degree radial. Signal strength should not excede 3.58 mV/m DA/Night.

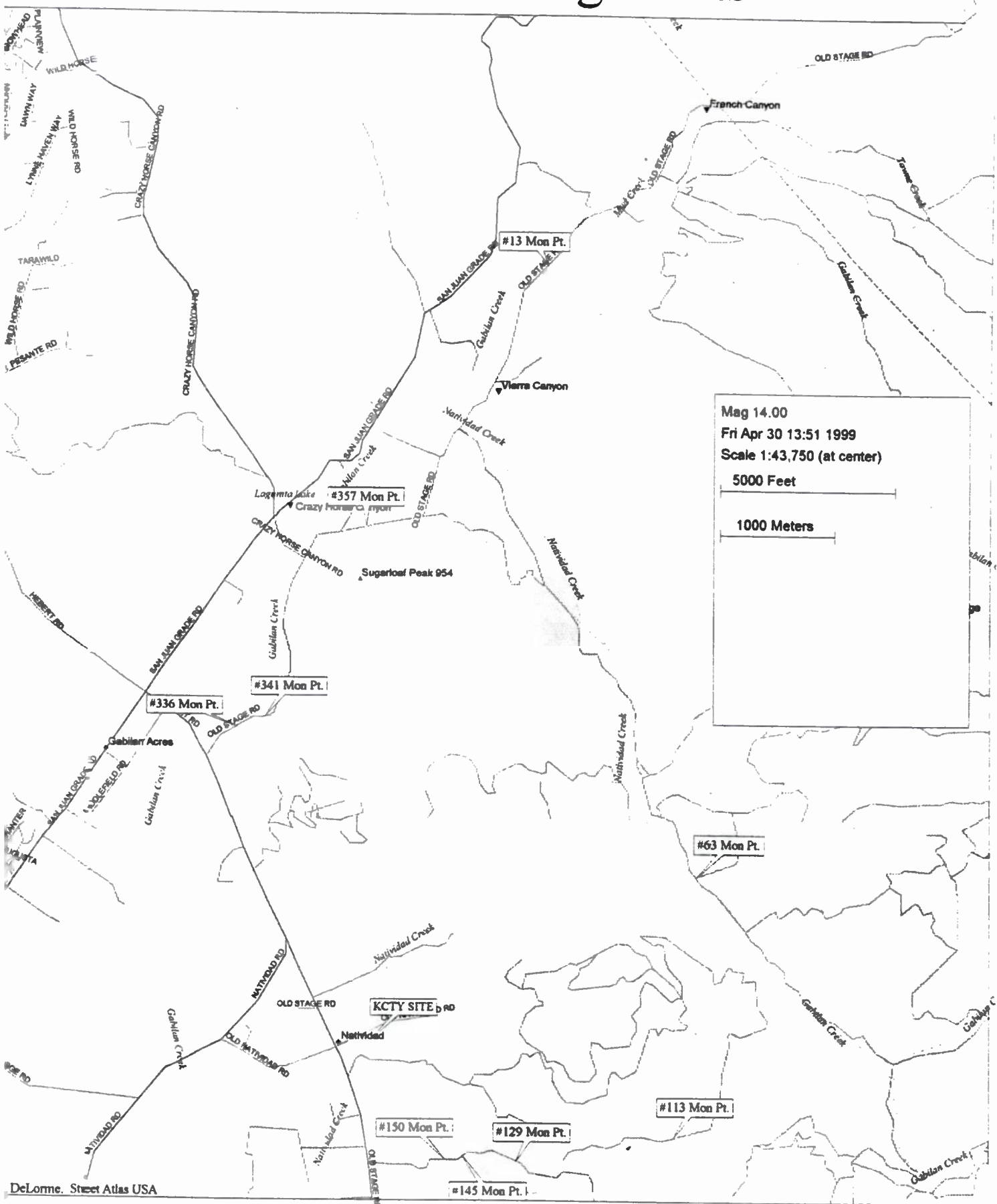


Transmitter
Site

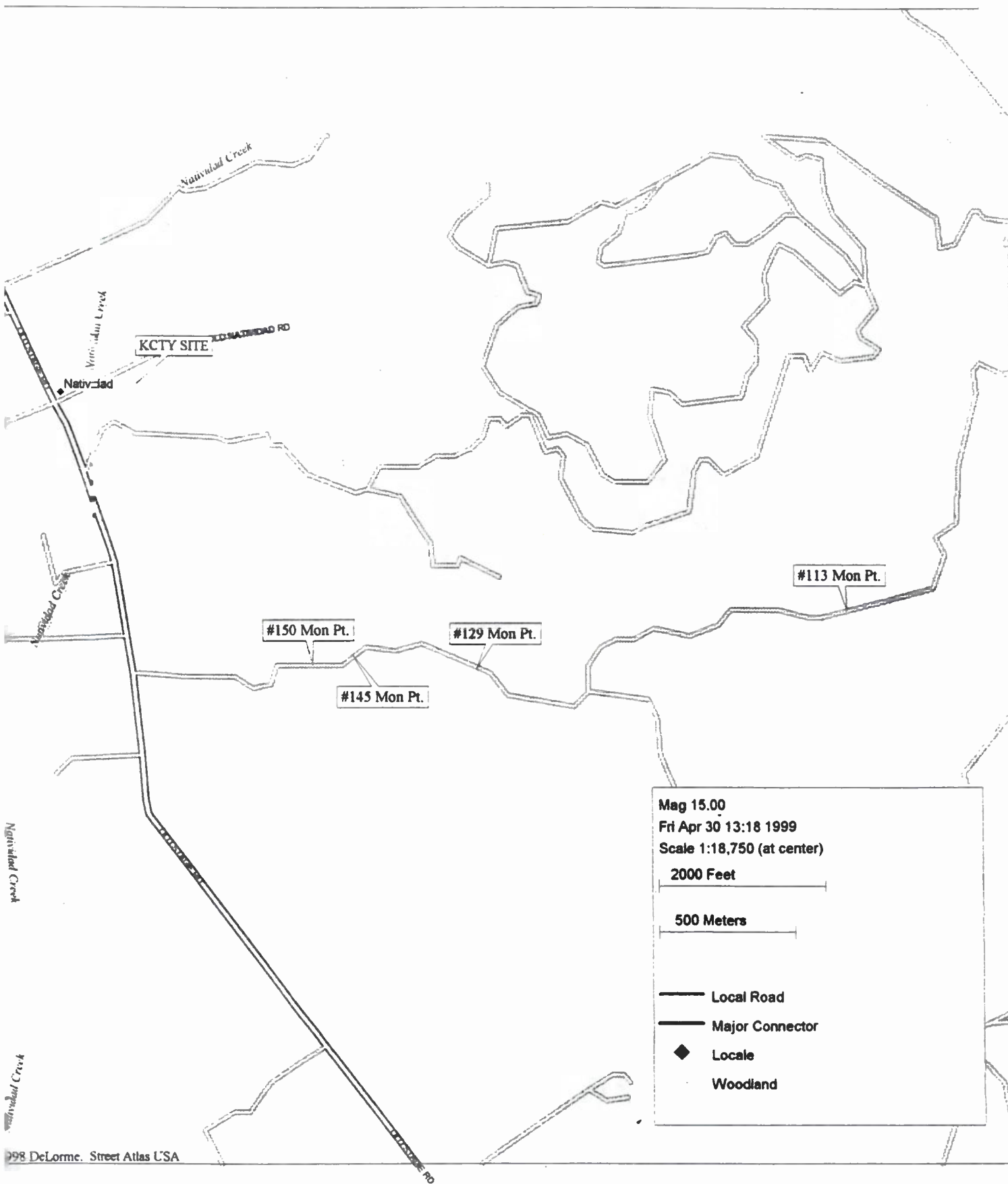
Application for
Station License
KCTY Salinas, CA
980 KHz, DA-2
10,000 Watts



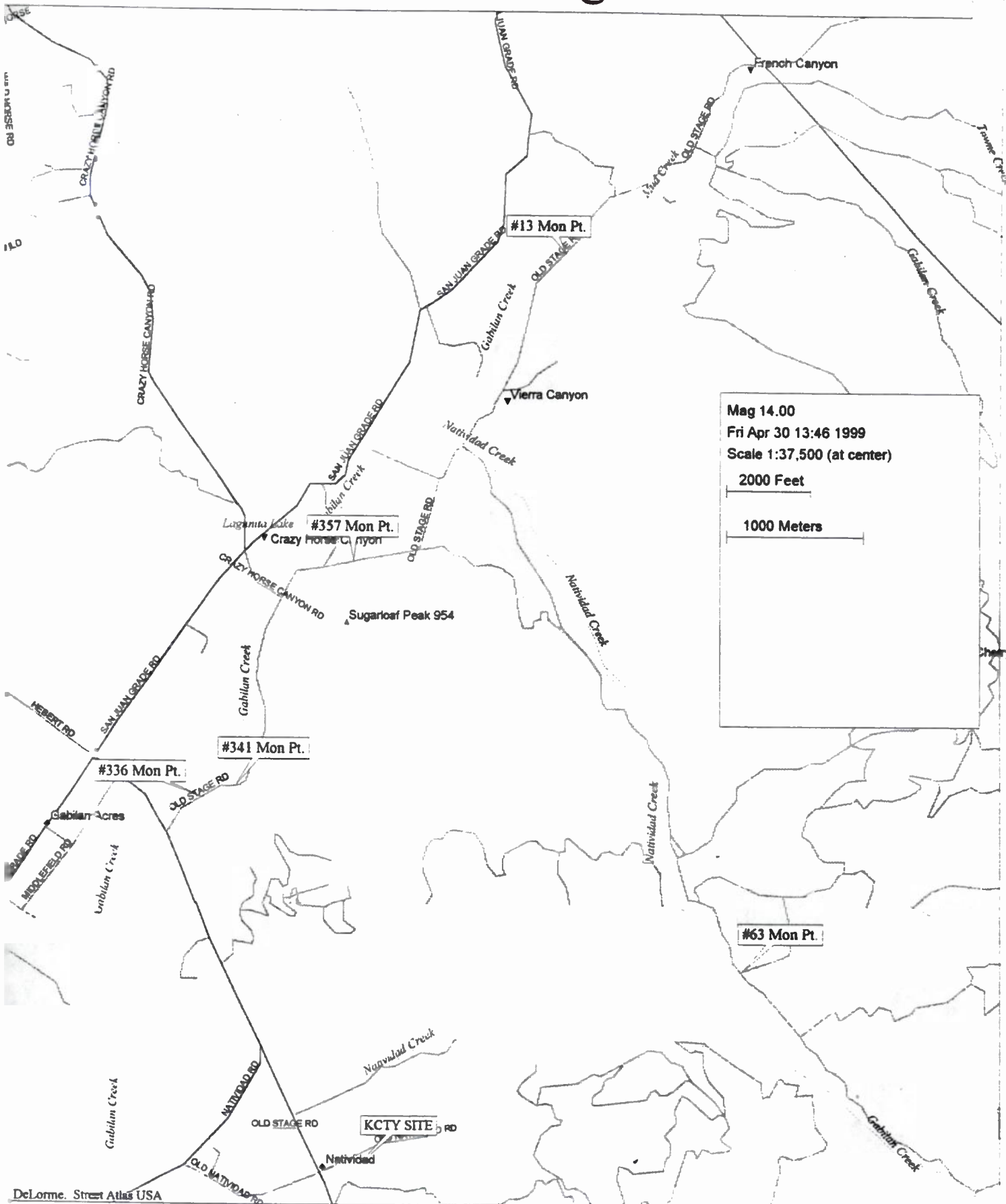
KCTY Monitoring Points



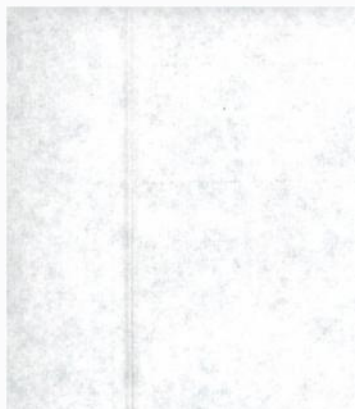
KCTY Monitoring Points



KCTY Monitoring Points

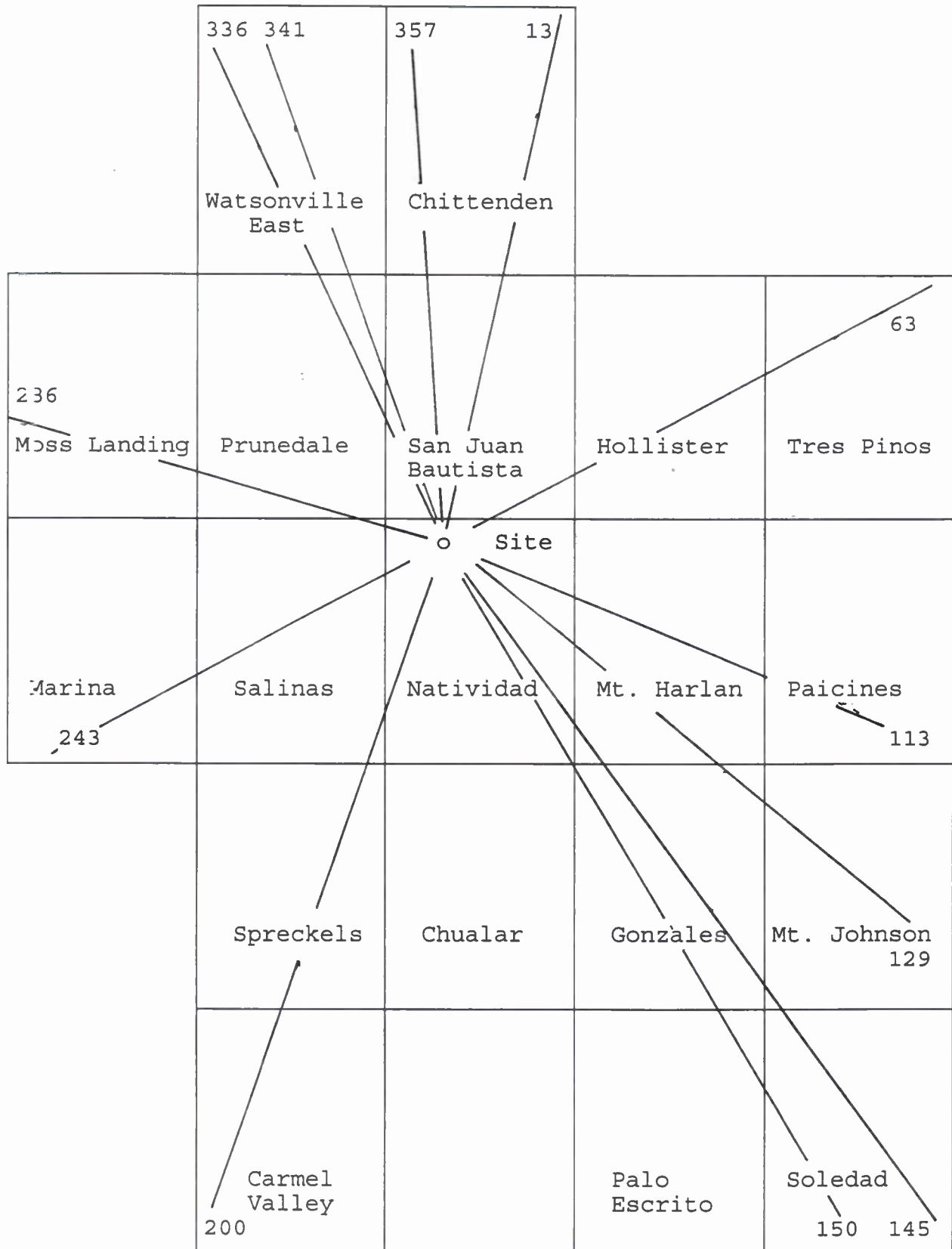


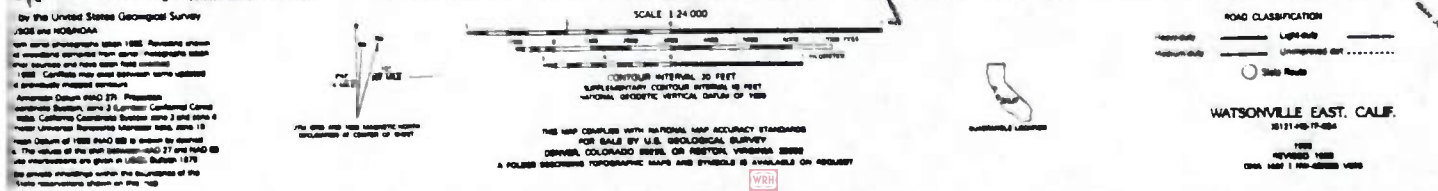
DeLorme. Street Atlas USA

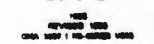


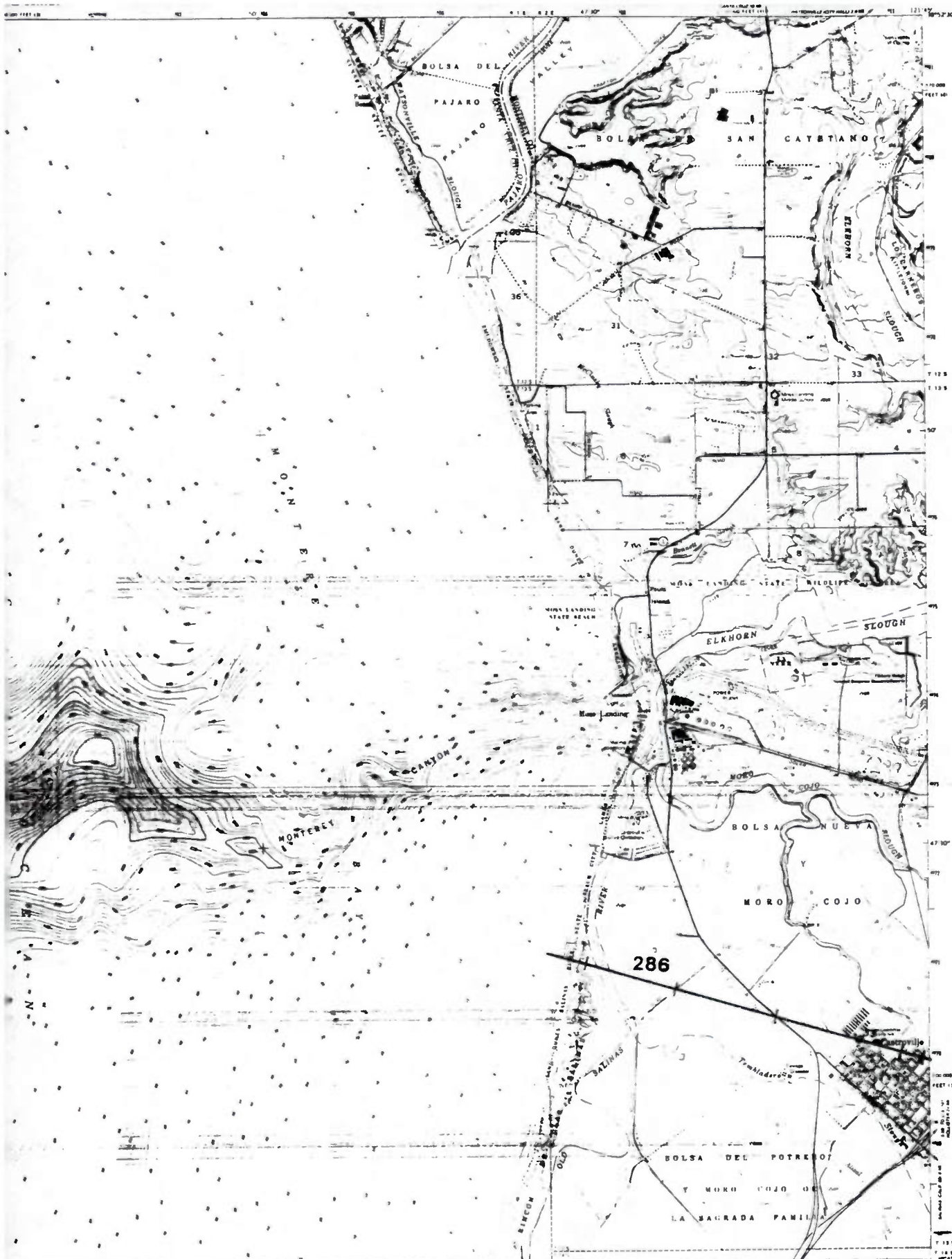
Radio Suprema, Inc.
 KCTY 980 KHz
 10,000 Watts, DA-2
 Application for
 Station License

Location of Measurement Radials
 On Topographical Maps









United States Geological Survey
Topographic Survey
30-700A, and 100C
Topographic Survey
This map shows the topography of the Moss Landing area, California, as derived from aerial photographs taken in 1948. The map is based on the 1:25,000 scale topographic map of the Moss Landing area, California, published by the United States Geological Survey in 1948. The map is based on the 1:25,000 scale topographic map of the Moss Landing area, California, published by the United States Geological Survey in 1948.

HYDROGRAPHIC SURVEY DATA
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SCALE 1:24,000
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MOSS LANDING, CALIF.
1:24,000
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For the United States Geological Survey
N.S. HOLMAN and J.A.H.
In some photographs (1932) Revisions shown
indicated appeared from aerial photographs
and other sources and have been noted
1932. Contours may exist between some adjacent
topographic map sheets.
on Datum of 1929 (MAD 27, Pasadena and
near California Coast Range Station, 2nd 6
normal Castles
near Universal Transverse Mercator 1983, 2nd 10
on Datum of 1983 (MAD 25 is shown in dashed)
The values of the area between MAD 27 and MAD 25
is measurements are calculated from National Geodetic
Data Service



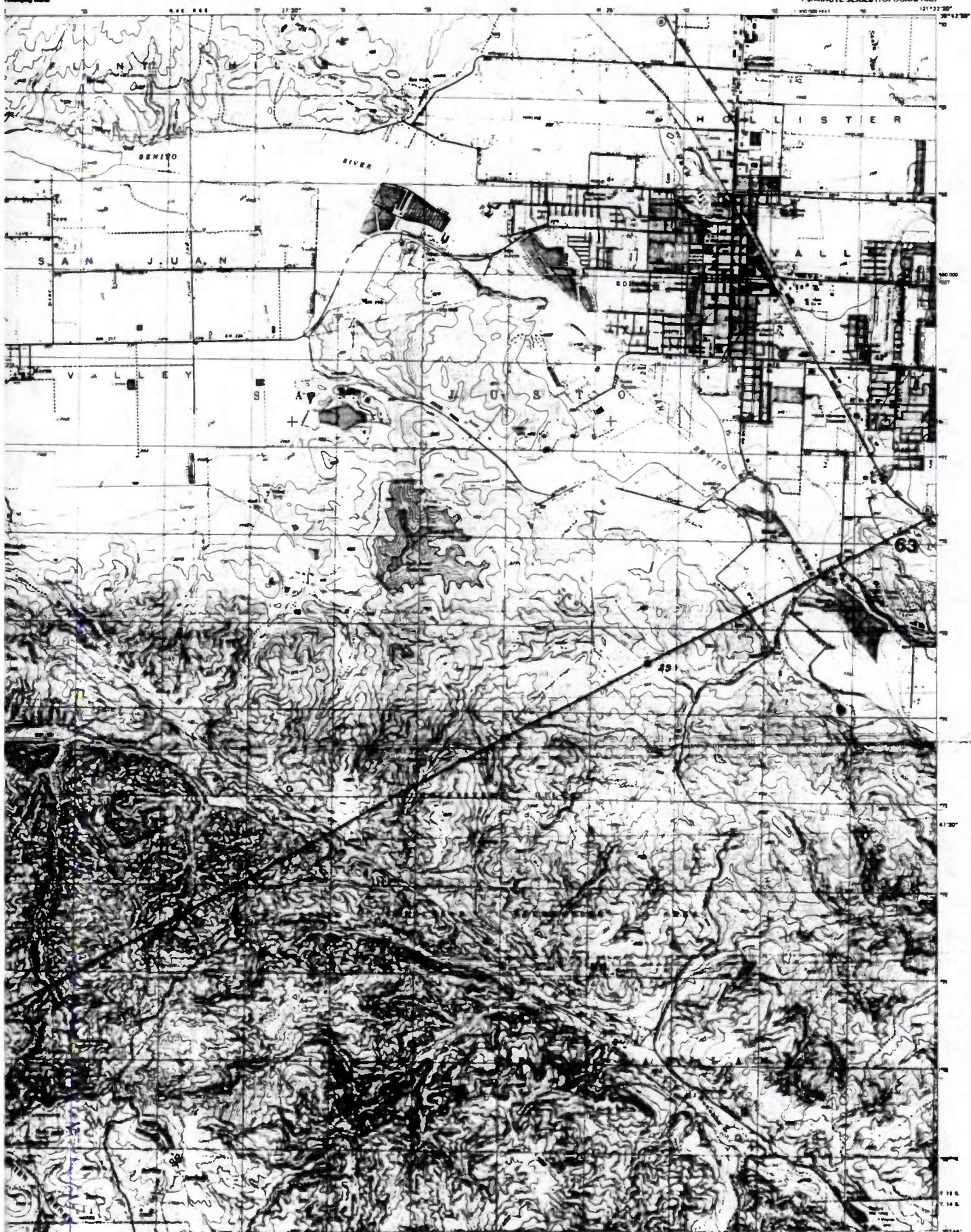
CONTOUR INTERVAL, 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL, 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1983
COMPLIES WITH U.S. GEOLOGICAL SURVEY STANDARDS FOR SPATIAL ACCURACY CLASS 2
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80260, OR RESTON, VIRGINIA 20192



ROAD CLASSIFICATION
Heavy-duty ————— Light duty —————
Medium-duty ————— Unimproved dirt —————
□ U.S. Route ○ State Route

PRUNEDALE, CALIF.
6121 05-17 024
1983
REVISED 1983





By the United States Geological Survey
This map was prepared from the best available data and is not a legal document. It is not to be used for legal purposes. The U.S. Geological Survey is not responsible for any errors or omissions. The map is published by the U.S. Geological Survey, P.O. Box 999, Reston, VA 20192.

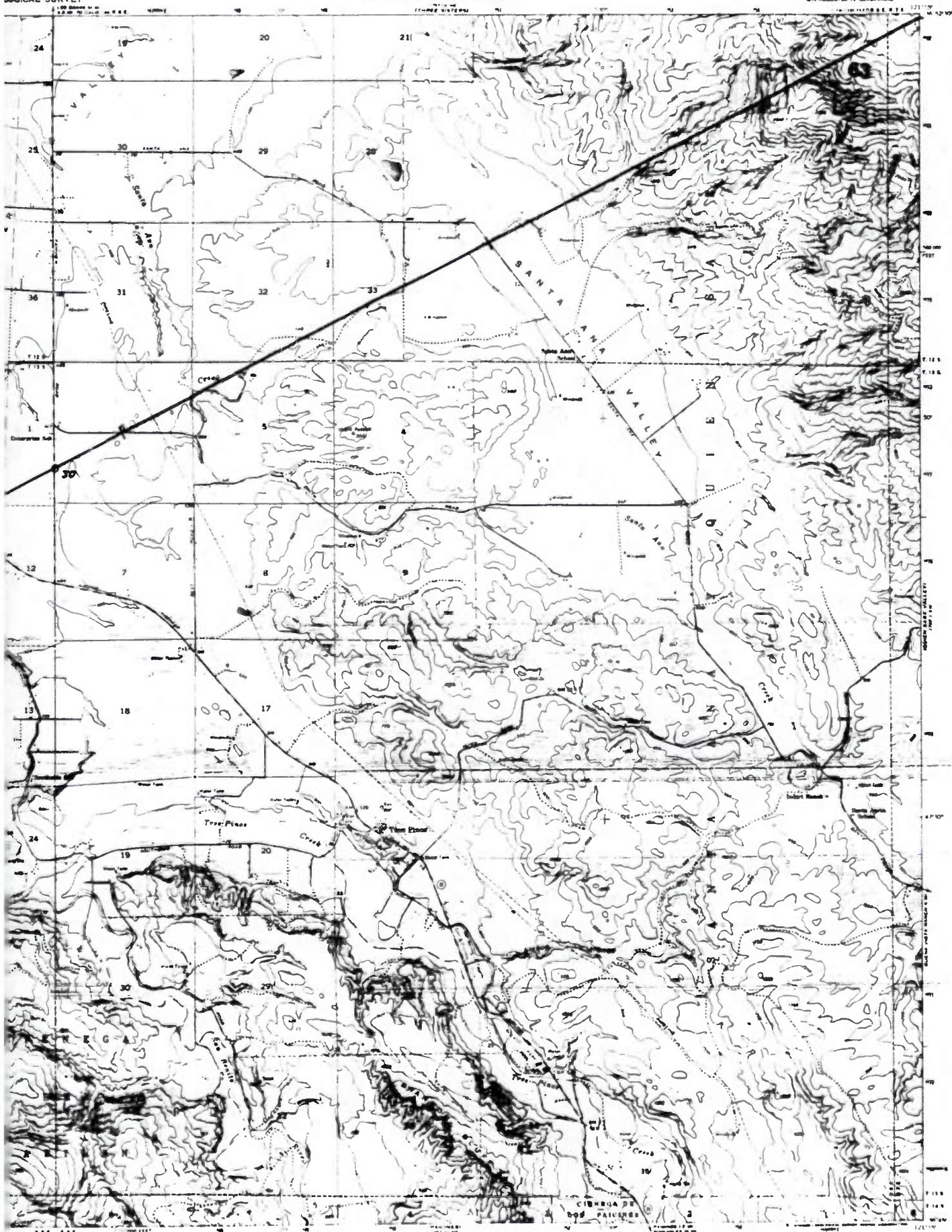


CONTOUR INTERVAL 20 FEET
THIS MAP PUBLISHED BY THE U.S. GEOLOGICAL SURVEY, P.O. BOX 999, RESTON, VA 20192
THIS MAP PUBLISHED BY THE U.S. GEOLOGICAL SURVEY, P.O. BOX 999, RESTON, VA 20192

Legend

- 1. Contour Lines
- 2. Spot Elevation
- 3. Bench Mark
- 4. Peak
- 5. Peak with Elevation
- 6. Peak with Elevation
- 7. Peak with Elevation
- 8. Peak with Elevation
- 9. Peak with Elevation
- 10. Peak with Elevation

HOLLISTER, CA
1998



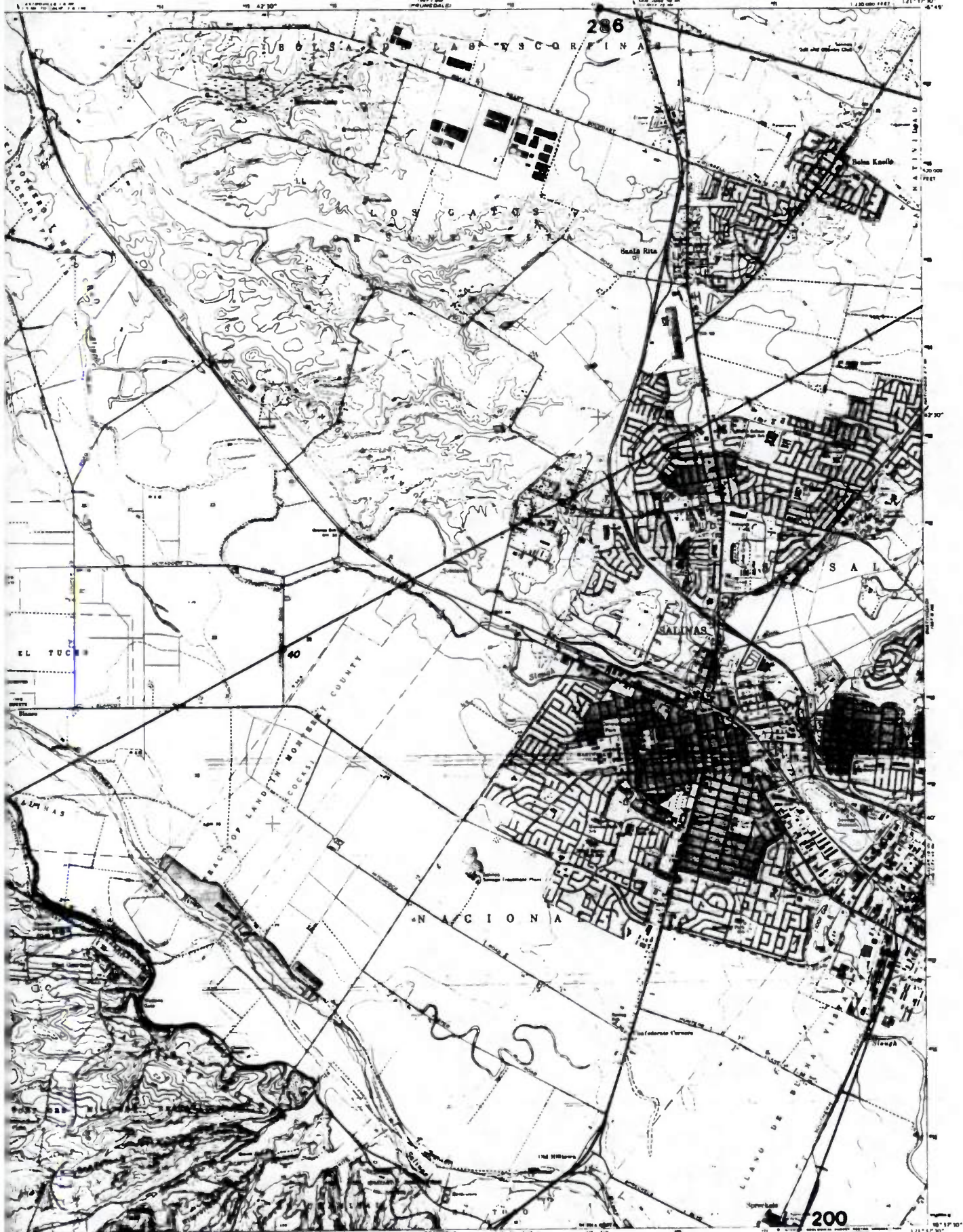
© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112

FORM 1041-10-60 (REV. 10-1-60)

[illegible]







Map Service
Used by the Geological Survey
USGS, NOAA, and USACE
Up to date as of 1967
1967 North American datum
Based on 1929 datum
For information on this map, see the
1:25,000 scale map of the Salinas
Quadrangle, California, 1967.

Map Service
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USGS, NOAA, and USACE
Up to date as of 1967
1967 North American datum
Based on 1929 datum
For information on this map, see the
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Quadrangle, California, 1967.

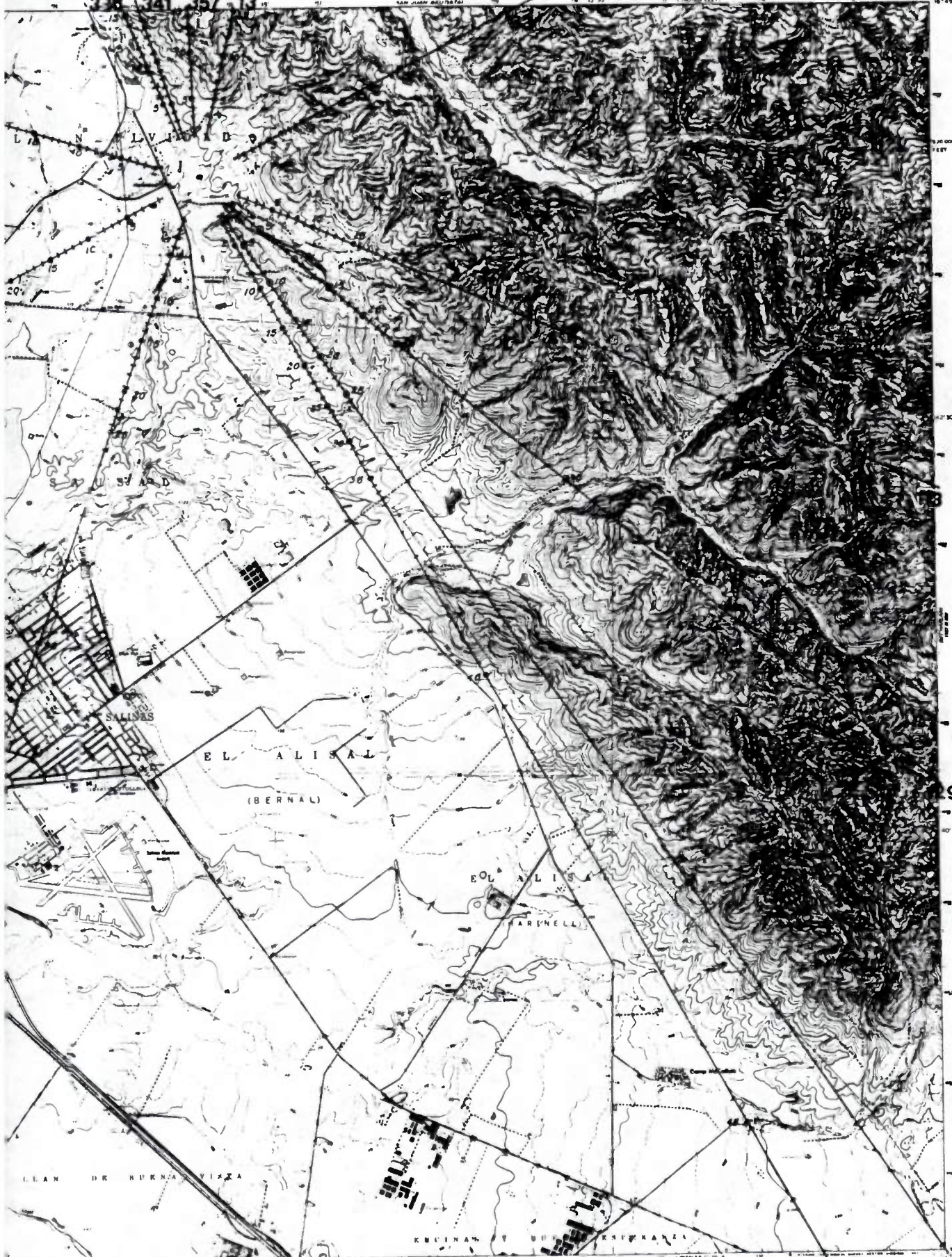
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USGS, NOAA, and USACE
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1967 North American datum
Based on 1929 datum
For information on this map, see the
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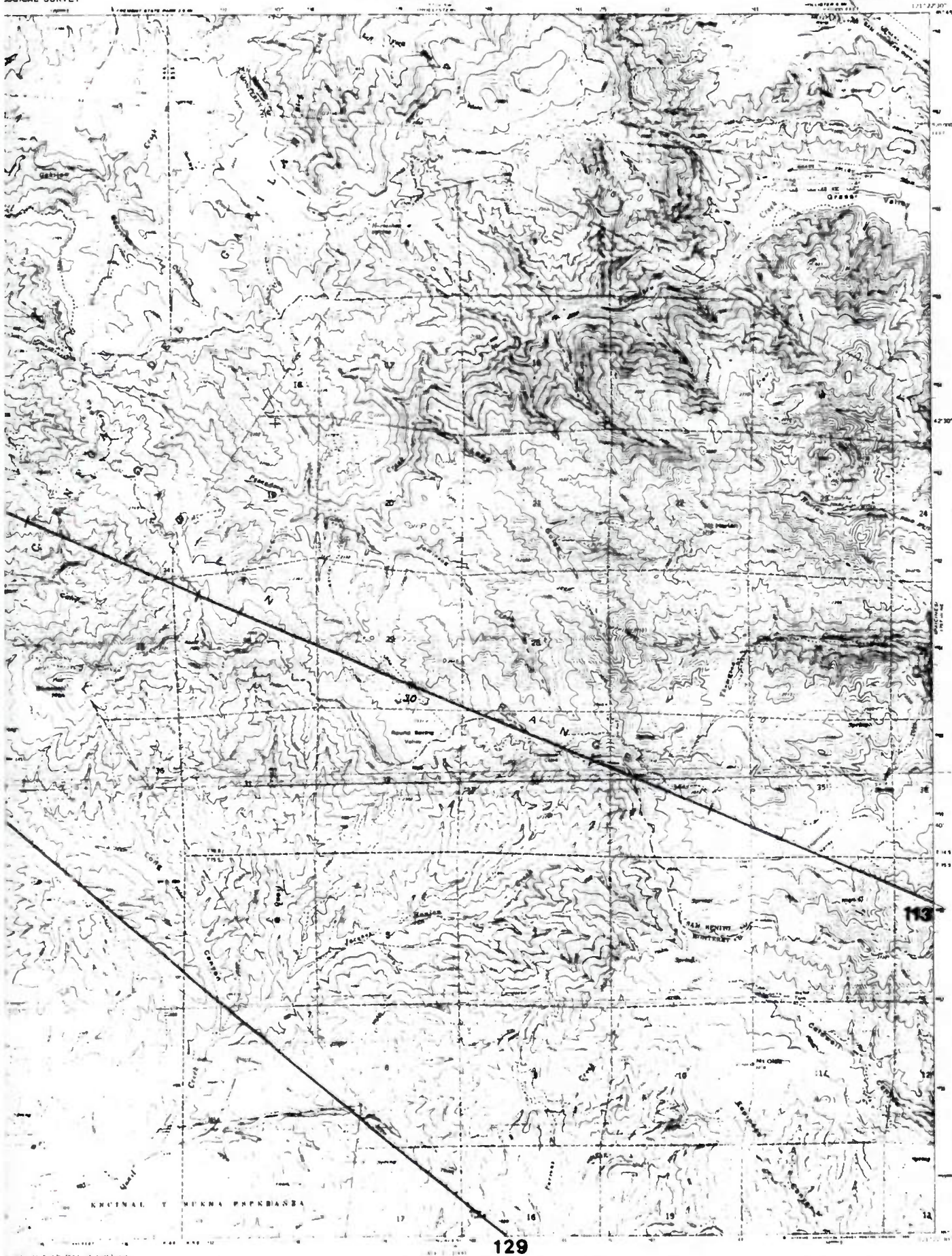
Map Service
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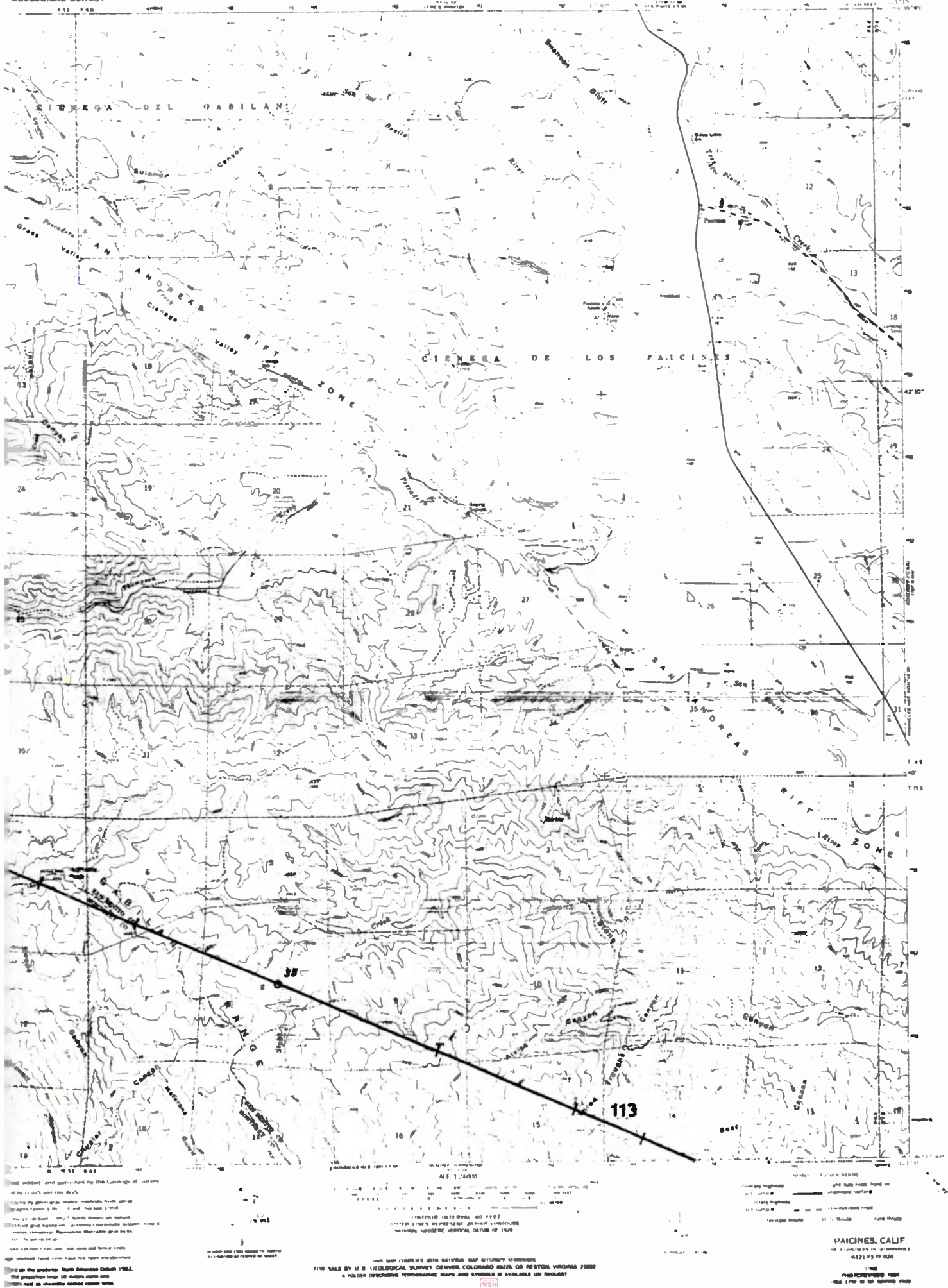
Map Service
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USGS, NOAA, and USACE
Up to date as of 1967
1967 North American datum
Based on 1929 datum
For information on this map, see the
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Quadrangle, California, 1967.





129

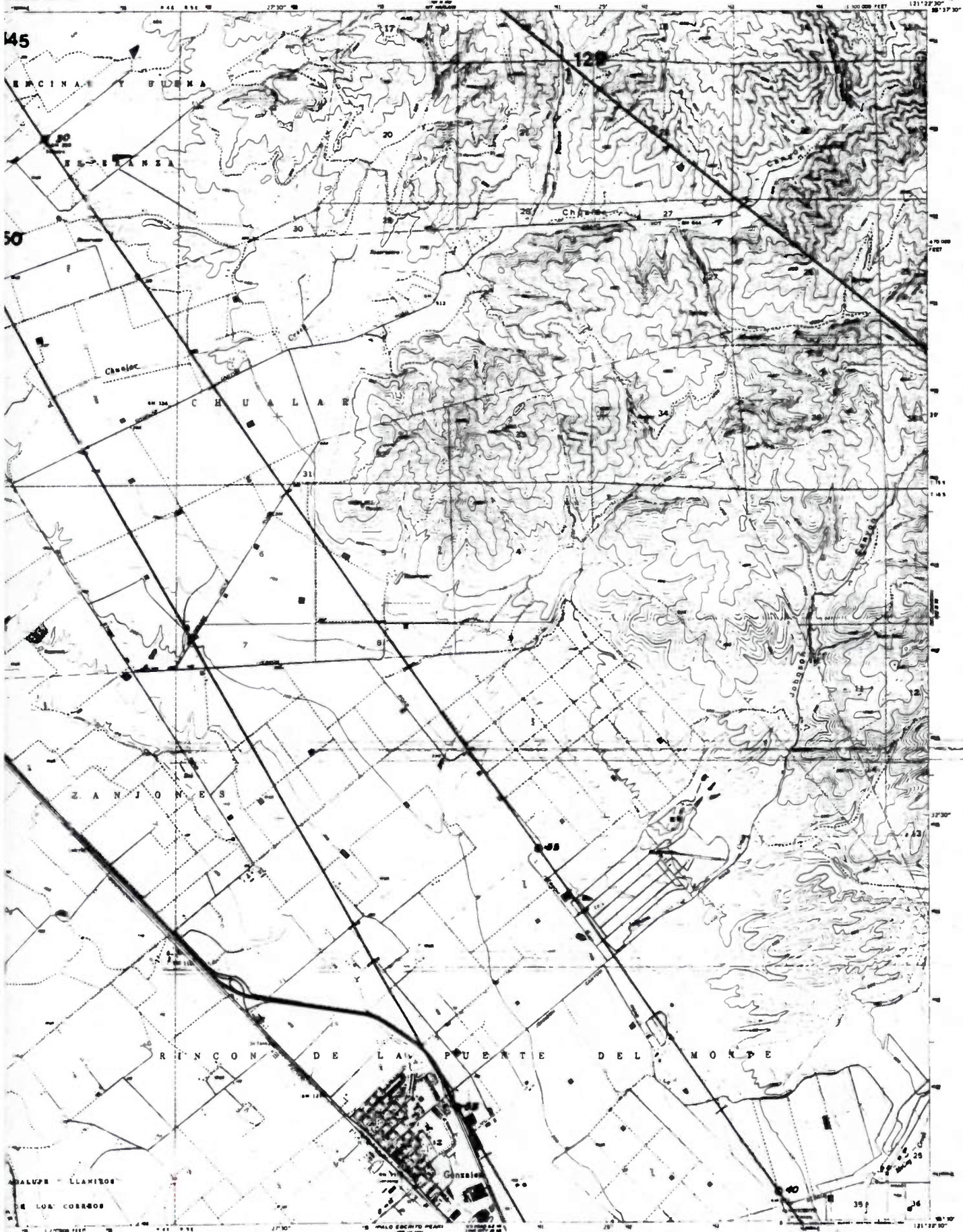
RECEIVED 1986



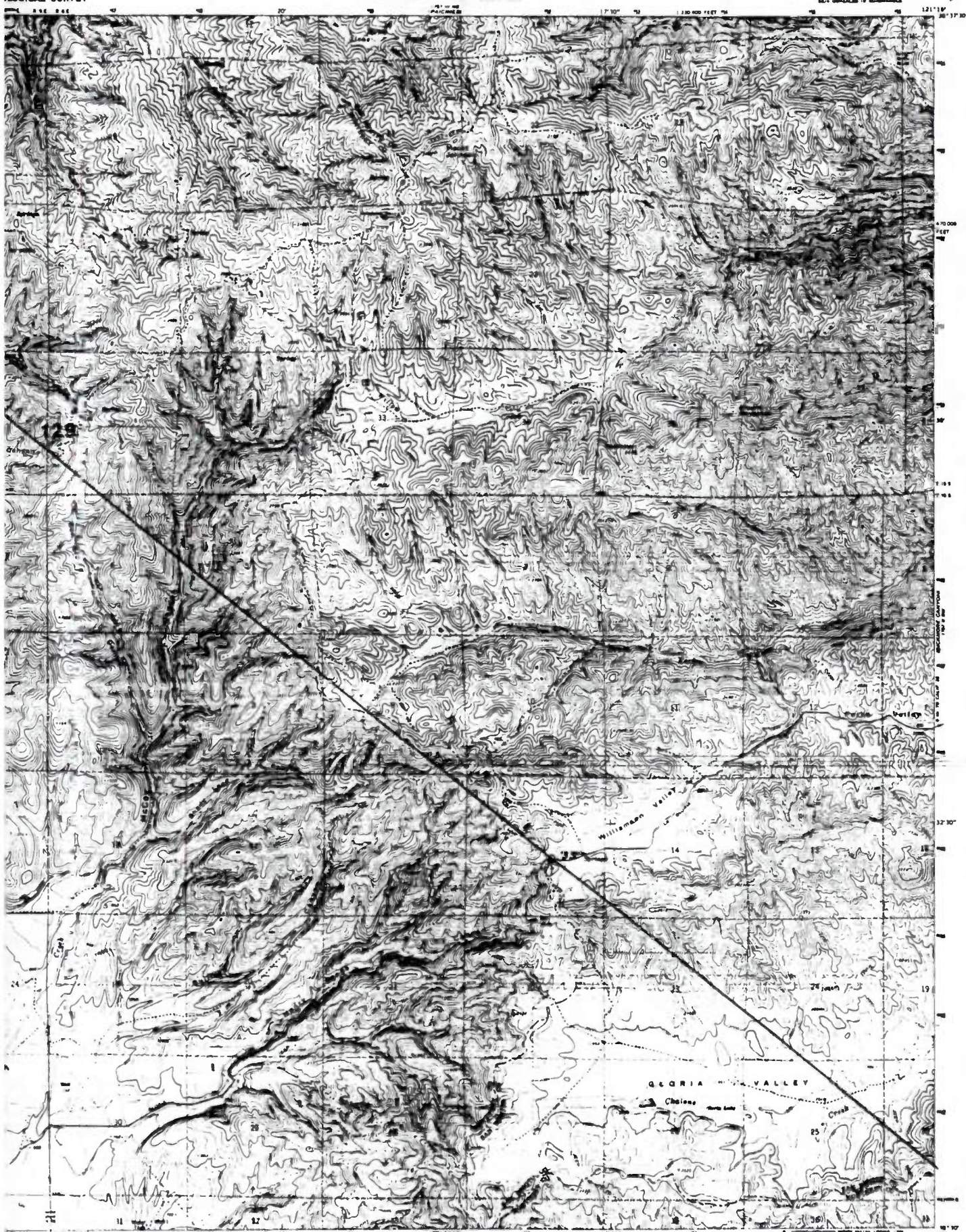












U.S. and published by the Geological Survey
18 and U.S.C. 18

Photographic reproduction from aerial
photo 1967, 7 and revised 1968

Base 1927 North American datum
Based on California reference system zone 4

Horizontal projection: universal grid zone
of 18

1) Maps indicate selected fence lines
2) Maps indicate selected fence lines

Copyrighted North American Datum 1983
Scale 1:24,000 and
as shown by representative ratio

1:24,000 and 1:24,000
1:24,000 and 1:24,000

SCALE 1:24,000

CONTOUR INTERVAL 40 FEET

NATIONAL GEODETIC DATUM OF 1983

THIS MAP COMES WITH TERRAIN MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80260
OR RESTON, VIRGINIA 22092

A POLAR PROJECTION TOPOGRAPHIC MAP AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Legend Unimproved dirt

MOUNT JOHNSON, CALIF.

SCALE DERIVED FROM QUADRANGLE
1:24,000

1:24,000

