

TRUMANSBURG, NEW YORK

NO. OF TOWERS: THREE

POWER: 5000 WATTS

MODE: DAYTIME  
DATE: 03-09-06

TOWER NO.		HEIGHT {DEG}	{FT}	{M}	FIELD	SPACING {DEG}	{FT}	{M}	BEARING {DEG T}	PHASING {DEG}
1	*	97.2	225.0	68.6	0.315	0.0	0.0	0.0	0.0	+151.0
2		116.6	270.0	82.3	1.000	72.7	168.4	51.3	55.0	0.0
3	**	84.2	195.0	59.4	0.455	155.0	358.9	109.4	83.0	-176.0

\* TOWER No. 1 TOP-LOADED WITH 11.8 DEGREES AT UPPERMOST GUY CABLES  
FOR A TOTAL ELECTRICAL HEIGHT OF 109.0 DEGREES.

\*\* TOWER No. 3 TOP-LOADED WITH 24.8 DEGREES AT UPPERMOST GUY CABLES  
FOR A TOTAL ELECTRICAL HEIGHT OF 109.0 DEGREES.

THEOR. VECTOR CONSTANT WITH 1 OHM LOSS/TOWER: 1034.950 MV/M/KM

THEOR. HORIZ. PLANE RMS WITH 1 OHM LOSS/TOWER: 771.723 MV/M/KM

THEOR. RSS WITH 1 OHM LOSS/TOWER: 1182.857 MV/M/KM

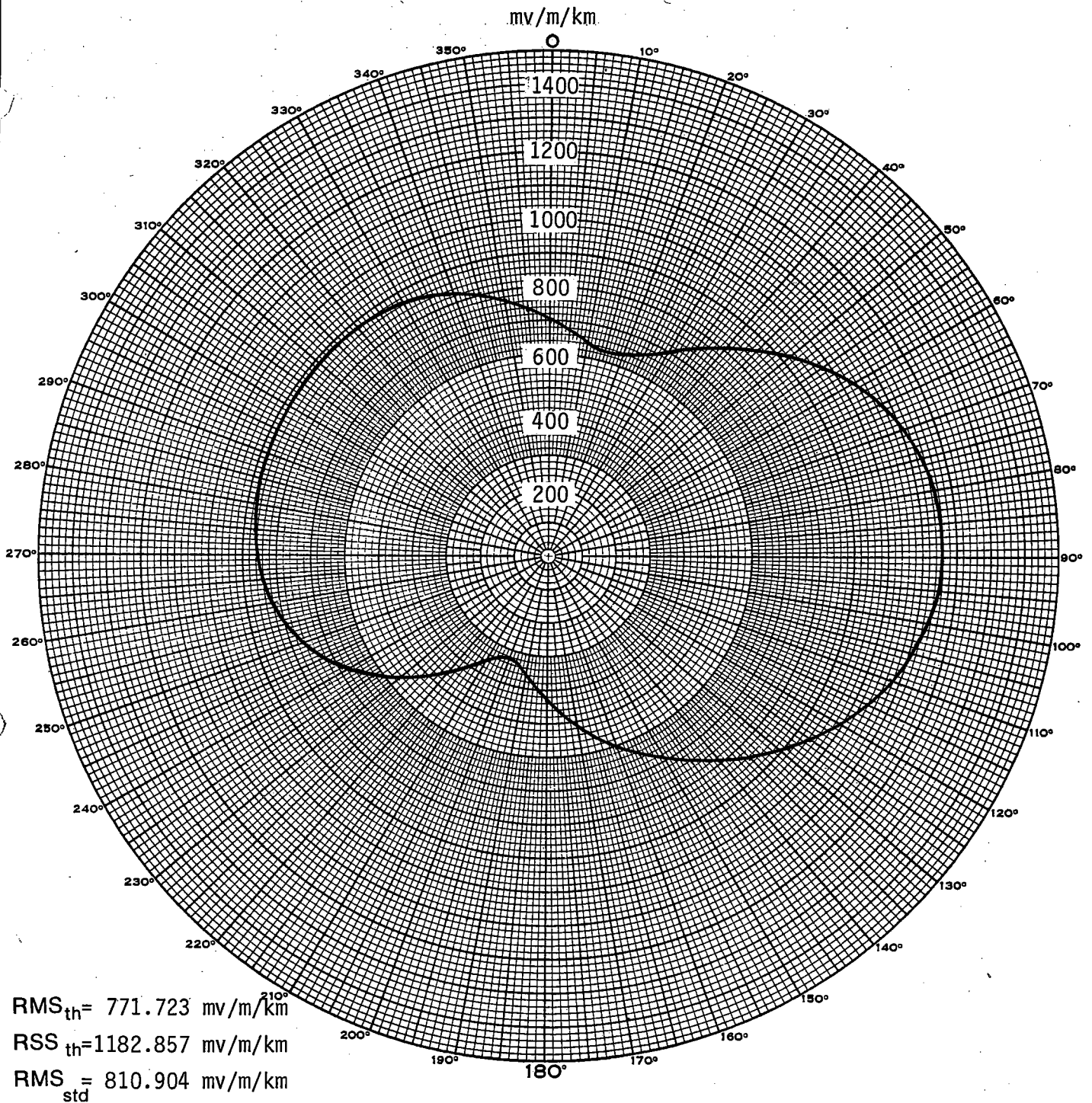
Q: 29.57

RMS OF STANDARD PATTERN: 810.904 MV/M/KM

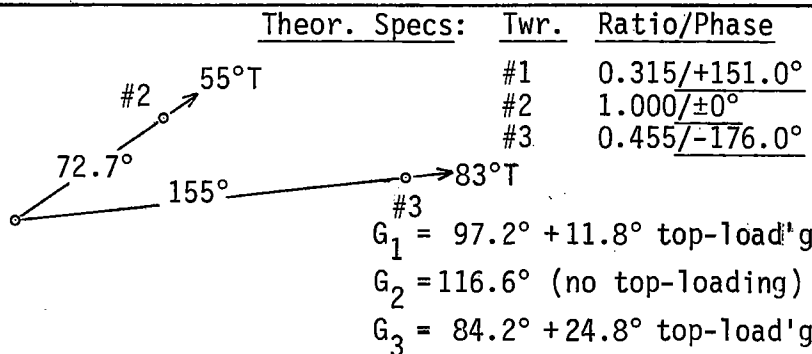
COMPUTED RADIATION VALUES ARE IN TERMS OF MV/M AT ONE KILOMETER

## F.C.C. STANDARD HORIZONTAL PLANE RADIATION

TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M
.0	699.501	90.0	1159.148	180.0	432.352	270.0	857.187
5.0	667.369	95.0	1149.975	185.0	392.813	275.0	867.616
10.0	643.561	100.0	1132.633	190.0	358.368	280.0	874.259
15.0	632.789	105.0	1107.671	195.0	333.573	285.0	878.115
20.0	638.410	110.0	1075.781	200.0	323.790	290.0	880.153
25.0	661.274	115.0	1037.804	205.0	332.835	295.0	881.205
30.0	699.497	120.0	994.735	210.0	360.567	300.0	881.863
35.0	749.292	125.0	947.710	215.0	403.092	305.0	882.372
40.0	806.186	130.0	897.972	220.0	455.093	310.0	882.576
45.0	865.937	135.0	846.805	225.0	511.689	315.0	881.902
50.0	924.969	140.0	795.433	230.0	569.050	320.0	879.426
55.0	980.483	145.0	744.897	235.0	624.359	325.0	873.988
60.0	1030.400	150.0	695.930	240.0	675.631	330.0	864.381
65.0	1073.249	155.0	648.859	245.0	721.540	335.0	849.553
70.0	1108.055	160.0	603.588	250.0	761.298	340.0	828.840
75.0	1134.226	165.0	559.692	255.0	794.562	345.0	802.190
80.0	1151.474	170.0	516.633	260.0	821.360	350.0	770.375
85.0	1159.740	175.0	474.086	265.0	842.035	355.0	735.175



### PROPOSED WPLX DAYTIME HORIZONTAL PLANE STANDARD PATTERN



STATION	WPLX
LOCATION	Germantown, TN
FREQUENCY	1180 kHz.
POWER	5000 watts
LATITUDE	N 35° 08' 31"
LONGITUDE	W 90° 08' 06"
MODE	Daytime
PATTERN	368010-D-P
DATE	03-09-06
INDEPENDENT BROADCAST CONSULTANTS TRUMANSBURG, NEW YORK	

INDEPENDENT BCST CONSULTANTS, INC.  
TRUMANSBURG, NEW YORK

NO. OF TOWERS: THREE

POWER: 3500 WATTS

MODE: CRITICAL HOURS

DATE: 03-09-06

TOWER NO.	HEIGHT {DEG} {FT} {M}	FIELD	SPACING {DEG} {FT} {M}	BEARING {DEG T}	PHASING {DEG}
1 *	97.2 225.0 68.6	0.315	0.0 0.0 0.0	0.0	+151.0
2	116.6 270.0 82.3	1.000	72.7 168.4 51.3	55.0	0.0
3 **	84.2 195.0 59.4	0.455	155.0 358.9 109.4	83.0	-176.0

\* TOWER No. 1 TOP-LOADED WITH 11.8 DEGREES AT UPPERMOST GUY CABLES  
FOR A TOTAL ELECTRICAL HEIGHT OF 109.0 DEGREES.

\*\* TOWER No. 3 TOP-LOADED WITH 24.8 DEGREES AT UPPERMOST GUY CABLES  
FOR A TOTAL ELECTRICAL HEIGHT OF 109.0 DEGREES.

THEOR. VECTOR CONSTANT WITH 1 OHM LOSS/TOWER: 865.901 MV/M/KM

THEOR. HORIZ. PLANE RMS WITH 1 OHM LOSS/TOWER: 645.670 MV/M/KM

THEOR. RSS WITH 1 OHM LOSS/TOWER: 989.650 MV/M/KM

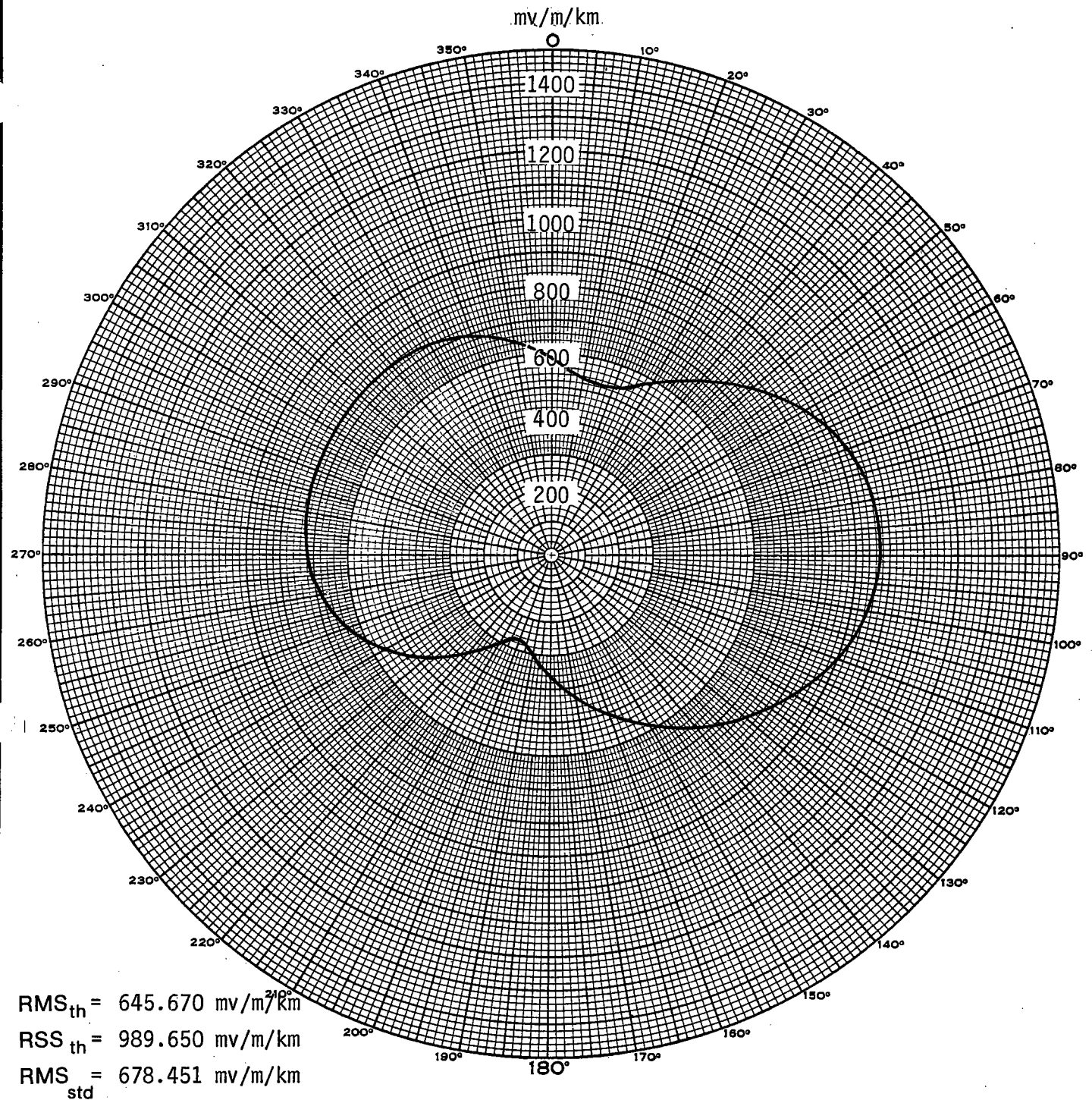
Q: 24.74

RMS OF STANDARD PATTERN: 678.451 MV/M/KM

COMPUTED RADIATION VALUES ARE IN TERMS OF MV/M AT ONE KILOMETER.

## F.C.C. STANDARD HORIZONTAL PLANE RADIATION

TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M	TRUE BEARING DEGREES	FIELD MV/M
.0	585.245	90.0	969.813	180.0	361.732	270.0	717.174
5.0	558.361	95.0	962.138	185.0	328.651	275.0	725.900
10.0	538.442	100.0	947.629	190.0	299.833	280.0	731.458
15.0	529.429	105.0	926.745	195.0	279.087	285.0	734.684
20.0	534.132	110.0	900.063	200.0	270.902	290.0	736.389
25.0	553.262	115.0	868.289	205.0	278.469	295.0	737.270
30.0	585.241	120.0	832.255	210.0	301.672	300.0	737.820
35.0	626.903	125.0	792.911	215.0	337.251	305.0	738.246
40.0	674.504	130.0	751.298	220.0	380.758	310.0	738.416
45.0	724.495	135.0	708.488	225.0	428.110	315.0	737.853
50.0	773.885	140.0	655.507	230.0	476.101	320.0	735.781
55.0	820.331	145.0	623.226	235.0	522.376	325.0	731.231
60.0	862.094	150.0	582.257	240.0	565.274	330.0	723.193
65.0	897.945	155.0	542.874	245.0	603.684	335.0	710.787
70.0	927.065	160.0	504.998	250.0	636.948	340.0	693.458
75.0	948.962	165.0	468.272	255.0	664.778	345.0	671.161
80.0	963.393	170.0	432.246	260.0	687.199	350.0	644.542
85.0	970.309	175.0	396.649	265.0	704.497	355.0	615.092



### PROPOSED WPLX CRITICAL HOURS HORIZONTAL PLANE STANDARD PATTERN

#### Theoretical Specs:

Twr. Ratio/Phase

#1 0.315/+151.0°

#2 1.000/±0°

#3 0.455/-176.0°

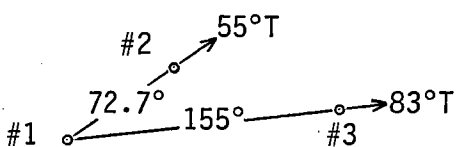
G<sub>1</sub> = 97.2° +11.8° TL

G<sub>2</sub> = 116.6° (no T.L.)

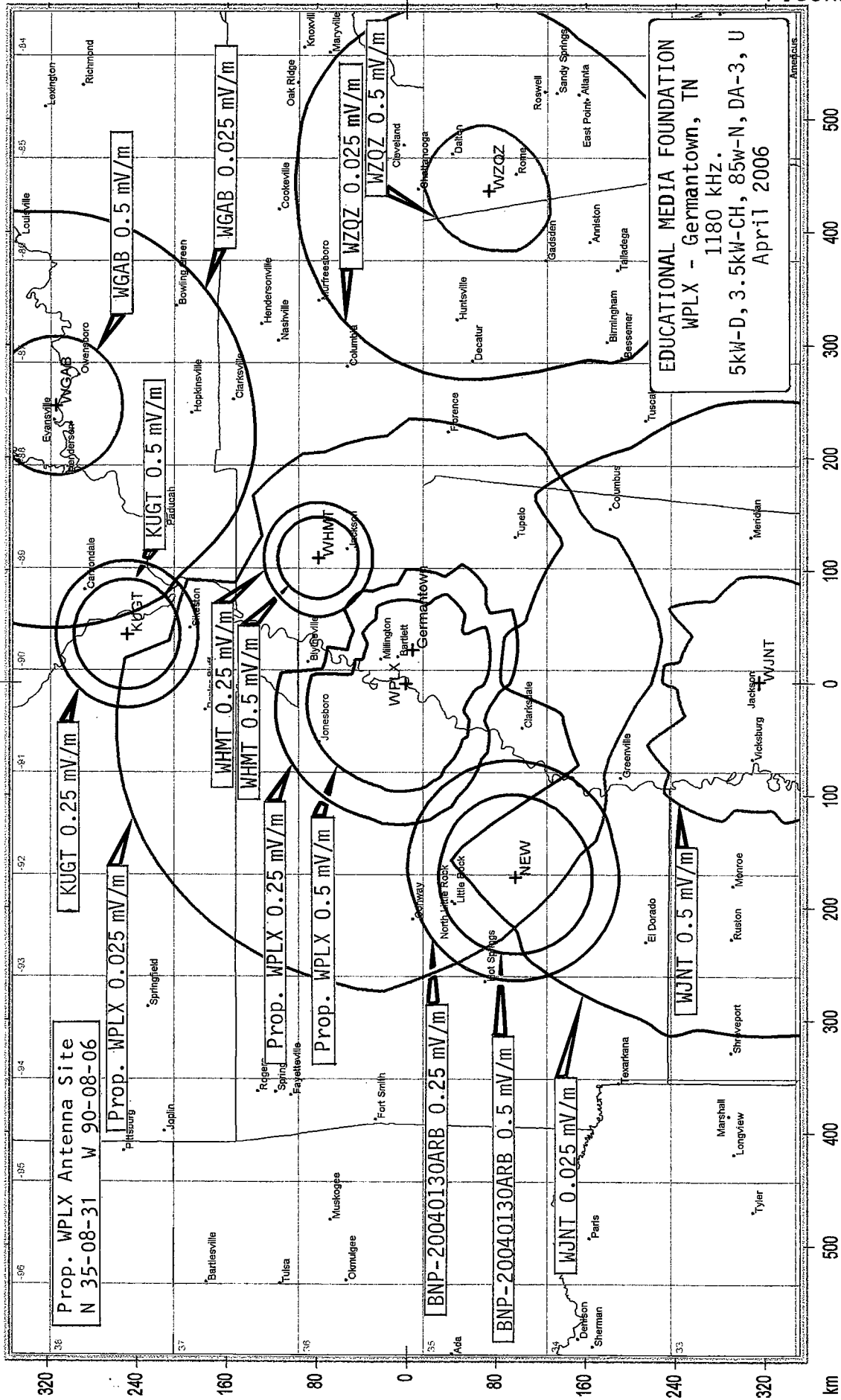
G<sub>3</sub> = 84.2° +24.8° TL

STATION	WPLX
LOCATION	Germantown, TN
FREQUENCY	1180 kHz.
POWER	3500 watts
LATITUDE	N 35° 08' 31"
LONGITUDE	W 90° 08' 06"
MODE	Critical Hours
PATTERN	368010-CH-P
DATE	03-09-06

INDEPENDENT BROADCAST CONSULTANTS  
 TRUMANSBURG, NEW YORK



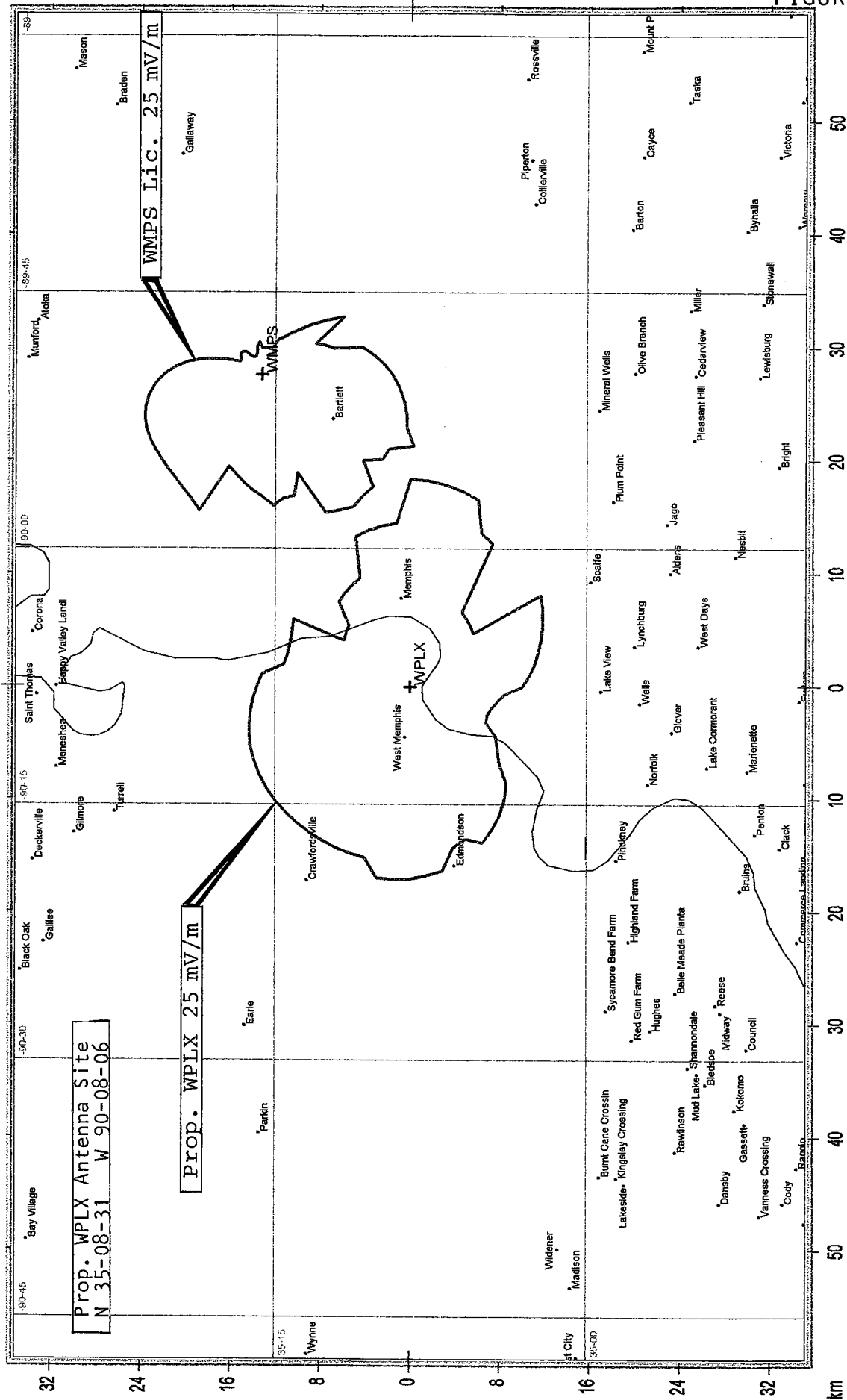
Proposed WPLX 1180 kHz Germantown, TN - Daytime Allocation Map



Note: Proposed NEW, Pine Bluff, AR; 1190 kHz; FCC File No: BNP-20040130ARB; Facility ID No: 161393.  
 WGAB, Newburgh, IN; WZQZ, Trion, GA; WJNT, Pearl, MS co-channel to Proposed WPLX on 1180 kHz.  
 KUGT, Jackson, MO licensed to 1170 kHz.  
 WHMT, Humboldt, TN licensed to 1190 kHz.

FIGURE 9B

Proposed WPLX 1180 kHz 25 mV/m to WMPS 1210 kHz 25 mV/m Detailed Allocation Map



EDUCATIONAL MEDIA FOUNDATION  
WPLX - Germantown, TN  
1180 kHz.  
5kW-D, 3.5kW-CH, 85W-N, DA-3, U  
April 2006

## TABLE OF AZIMUTHS, INVERSE FIELDS AND SOIL CONDUCTIVITIES

WPLX - Germantown, TN Lic: 1170 kHz; 1 kW, ND-D  
 (proposed Site) Prop: 1180 kHz; 5 kW-D, 3.5 kW-CH, 85 w.-N, DA-3, U

Azimuth	Inverse Field mV/m/km		Soil Conductivity (mS/m)
	DA-D	DA-CH	
0.0°T	699.50	585.25	M-3: 8 - 319.6 km, 15 - Remainder
10.0°T	643.56	538.44	Meas: 1.5 - 2.0 km, 5 - 7.0 km, 6 - 20.0 km, 1.5 - 26.4 km; M-3: 8 - 390.6 km, 15 - Remainder
* 20.0°T	638.41	534.13	Meas: 1.5 - 2.0 km, 5 - 7.0 km, 6 - 20.0 km, 1.5 - 26.4 km; M-3: 8 - Remainder
25.6°T	665.11	556.47	Meas: 2.5 - 75.0 km, 3 - 86.0 km, 2.5 - 100.3 km; M-3: 8 - 173.8 km, 4 - 184.3 km, 8 - Remainder
** 35.6°T	755.83	632.37	Meas: 2.5 - 75.0 km, 3 - 86.0 km, 2.5 - 100.3 km; M-3: 8 - 119.1 km, 4 - 241.4 km, 8 - Remainder
45.6°T	873.12	730.51	Meas: 2.5 - 75.0 km, 3 - 86.0 km, 2.5 - 100.3 km; M-3: 4 - 242.7 km, 8 - Remainder
** 55.6°T	986.80	825.62	Meas: 3 - 68.9 km; M-3: 8 - 86.9 km, 4 - Remainder
65.6°T	1077.87	901.81	Meas: 3 - 68.9 km; M-3: 8 - 82.7 km, 4 - Remainder
** 75.6°T	1136.77	951.09	Meas: 5 - 24.0 km, 4 - 86.0 km, Composite: 4 decreasing to 2.5 - 105.0 km, 2.5 - 109.3 km; M-3: 4 - 474.8 km, 2 - Remainder
85.6°T	1160.13	970.64	Meas: 5 - 24.0 km, 4 - 86.0 km, Composite: 4 decreasing to 2.5 - 105.0 km, 2.5 - 109.3 km; M-3: 4 - 369.3 km, 2 - Remainder
90.0°T	1159.15	969.81	Meas: 8 - 48.3 km, 6 - 64.4 km, 4 - 82.9 km; M-3: 8 - 88.0 km, 4 - 352.6 km, 2 - 446.8 km, 4 - Rem.
***100.0°T	1132.63	947.63	Meas: 8 - 48.3 km, 6 - 64.4 km, 4 - 82.9 km; M-3: 8 - 94.9 km, 4 - 309.9 km, 2 - 411.4 km, 4 - 471.0 km, 2 - Remainder
110.0°T	1075.78	900.06	Meas: 8 - 48.3 km, 6 - 64.4 km, 4 - 82.9 km; M-3: 8 - 106.3 km, 4 - 292.7 km, 2 - 377.4 km, 4 - 427.2 km, 2 - Remainder
***120.0°T	994.74	832.26	Meas: 6 - 82.1 km; M-3: 8 - 119.1 km, 4 - 209.2 km, 2 - 243.9 km, 4 - 431.3 km, 2 - 498.5 km, 4 - Rem.
122.0°T	976.33	816.86	Meas: 2 - 10.0 km, 3.5 - 15.0 km, 4.5 - 32.2 km, 4 - 46.4 km; M-3: 8 - 119.6 km, 4 - 171.7 km, 2 - 281.3 km, 4 - Remainder
**132.0°T	877.61	734.26	Meas: 2 - 10.0 km, 3.5 - 15.0 km, 4.5 - 32.2 km, 4 - 46.4 km; M-3: 8 - 136.5 km, 2 - 368.2 km, 4 - Remainder

## TABLE OF AZIMUTHS, INVERSE FIELDS AND SOIL CONDUCTIVITIES

WPLX - Germantown, TN      Lic: 1170 kHz; 1 kW, ND-D  
 (proposed site)      Prop: 1180 kHz; 5 kW-D, 3.5 kW-CH, 85 w.-N, DA-3, U

Azimuth	Inverse Field mV/m/km		Soil Conductivity (mS/m)
	DA-D	DA-CH	
142.0°T	775.07	648.47	Meas: 2 - 10.0 km, 3.5 - 15.0 km, 4.5 - 32.2 km, 4 - 46.4 km; M-3: 8 - 149.3 km, 2 - Remainder
150.0°T	695.93	582.26	M-3: 8 - 166.5 km, 2 - 466.5 km, 8 - 492.9 km, 1 - Rem.
160.0°T	603.59	505.00	M-3: 8 - 194.1 km, 2 - 328.6 km, 4 - 341.5 km, 2 - Rem.
170.0°T	516.63	432.25	M-3: 8 - 272.8 km, 2 - 299.9 km, 4 - 445.6 km, 2 - Rem.
180.0°T	432.35	361.73	M-3: 8 - 312.3 km, 4 - Remainder
185.0°T	392.81	328.65	Meas: 6 - 32.4 km; M-3: 8 - 433.4 km, 4 - Remainder
**195.0°T	333.57	279.09	Meas: 6 - 32.4 km; M-3: 8 - Remainder
205.0°T	332.84	278.47	Meas: 6 - 32.4 km; M-3: 8 - Remainder
210.0°T	360.57	301.67	M-3: 8 - 383.3 km, 4 - 478.0 km, 8 - 488.8 km, 15 - Rem.
220.0°T	455.09	380.76	M-3: 8 - 207.0 km, 4 - 406.7 km, 15 - 478.8 km, 8 - Rem.
225.0°T	511.69	428.11	Meas: 2 - 1.4 km, 10 - 5.9 km, 4 - 8.2 km, 10 - 18.0 km, 6 - 24.5 km; M-3: 8 - 170.4 km, 4 - 375.9 km, 15 - 456.5 km, 8 - Remainder
*235.0°T	624.36	522.38	Meas: 2 - 1.4 km, 10 - 5.9 km, 4 - 8.2 km, 10 - 18.0 km, 6 - 24.5 km; M-3: 8 - 150.9 km, 4 - 403.1 km, 8 - Remainder
245.0°T	721.54	603.68	Meas: 2 - 1.4 km, 10 - 5.9 km, 4 - 8.2 km, 10 - 18.0 km, 6 - 24.5 km; M-3: 8 - 145.3 km, 4 - 465.7 km, 8 - Remainder
250.0°T	761.30	636.95	M-3: 8 - 145.8 km, 4 - Remainder
260.0°T	821.36	687.20	Meas: 2 - 1.4 km, 10 - 22.0 km; M-3: 8 - 157.3 km, 4 - 357.8 km, 15 - Remainder
*270.0°T	857.19	717.17	Meas: 2 - 1.4 km, 10 - 22.0 km; M-3: 8 - 212.8 km, 4 - 306.1 km, 15 - Remainder
280.0°T	874.26	731.46	Meas: 2 - 1.4 km, 10 - 22.0 km; M-3: 8 - 468.4 km, 15 - Remainder
290.0°T	880.15	736.39	M-3: 8 - 470.6 km, 15 - Remainder
300.0°T	881.86	737.82	M-3: 8 - 458.8 km, 15 - Remainder
310.0°T	882.58	738.42	M-3: 8 - 437.9 km, 15 - Remainder
320.0°T	879.43	735.78	M-3: 8 - 446.5 km, 15 - Remainder
330.0°T	864.38	723.19	M-3: 8 - 451.7 km, 15 - Remainder
335.0°T	849.55	710.79	Meas: 8 - 3.5 km, 4 - 6.5 km, 8 - 25.4 km; M-3: 8 - 460.5 km, 15 - Remainder



<u>Azimuth</u>	<u>Inverse Field</u> mV/m/km		<u>Soil Conductivity (mS/m)</u>
	<u>DA-D</u>	<u>DA-CH</u>	
+345.0°T	802.19	671.16	Meas: 8 - 3.5 km, 4 - 6.5 km, 8 - 25.4 km; M-3: 8 - Remainder
355.0°T	735.18	615.09	Meas: 8 - 3.5 km, 4 - 6.5 km, 8 - 25.4 km; M-3: 8 - 334.8 km, 15 - 454.8 km, 8 - Remainder

- \* Measured radial; measurements and analysis provided with KSUD, 730 kHz, West Memphis, AR June 1990 directional antenna proof-of-performance, said proof submitted as an amendment to KSUD license application BL-19891211AF; data and analysis accepted by the Commission and on file. [Data and analysis provided in Engineering Appendix A-1]
- \*\* Measured radial; measurements and analysis supplied with this application.
- \*\*\* Measured radial; measurements and analysis provided with WUMP (formerly WABT), 730 kHz, Madison, AL March 1984 technical amendment to construction permit application BP-19830912AC for frequency change and facilities upgrade. Measurements and analysis accepted by the Commission and on file. [Data and analysis provided as additional material within Appendix A-1.]

Note: All measurements referenced above were performed on the facilities of KQPN (formerly KSUD), West Memphis, AR at its currently-licensed site. At this application's submission, KQPN is in the process of relocating to a new antenna site, with the currently-licensed site to be reassigned to WPLX, Germantown, TN should the instant application be granted.

## WZQZ Facility Data.TXT

Callsign : WZQZ  
 Coordinates : 34-28-22.0 N, 85-19-31.0 W  
 Comments :  
 Frequency (KHz) : 1180  
 Power (W) : 5000.000  
 Pattern : LD  
 Efficiency : 672.833 mV/M  
 Desc : NDD  
 City/State : TRION, GA  
 ARN :  
 Licensee : BARINOWSKI INVESTMENT COMPANY

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	83.5	0.0

Field		Brng		mV/m		Brng		mV/m		Brng		mV/m	
0	672.833	75	672.833	150	672.833	225	672.833	300	672.833				
5	672.833	80	672.833	155	672.833	230	672.833	305	672.833				
10	672.833	85	672.833	160	672.833	235	672.833	310	672.833				
15	672.833	90	672.833	165	672.833	240	672.833	315	672.833				
20	672.833	95	672.833	170	672.833	245	672.833	320	672.833				
25	672.833	100	672.833	175	672.833	250	672.833	325	672.833				
30	672.833	105	672.833	180	672.833	255	672.833	330	672.833				
35	672.833	110	672.833	185	672.833	260	672.833	335	672.833				
40	672.833	115	672.833	190	672.833	265	672.833	340	672.833				
45	672.833	120	672.833	195	672.833	270	672.833	345	672.833				
50	672.833	125	672.833	200	672.833	275	672.833	350	672.833				
55	672.833	130	672.833	205	672.833	280	672.833	355	672.833				
60	672.833	135	672.833	210	672.833	285	672.833						
65	672.833	140	672.833	215	672.833	290	672.833						
70	672.833	145	672.833	220	672.833	295	672.833						
0.0 ohm K		:	0.000	1.0 ohm K	:	0.000							
RMSS		:	0.000	RMST	:	0.000							
RSS		:	0.000										

## GROUND CONDUCTIVITY REPORT

## WZQZ Conductivity Tabulation.TXT

Lat : 34-28-22.0 N  
 Lon : 85-19-31.0 W  
 Radius : 500

0 deg:	49.35,	4.0	145.71,	2.0	407.91,	4.0	499.63,	8.0
5 deg:	57.94,	4.0	157.42,	2.0	406.78,	4.0	499.77,	8.0
10 deg:	68.97,	4.0	172.48,	2.0	188.51,	4.0	311.78,	2.0
	312.82,	4.0	313.73,	2.0	402.31,	4.0	500.22,	8.0
15 deg:	79.84,	4.0	322.90,	2.0	500.04,	8.0		
20 deg:	90.13,	4.0	346.27,	2.0	413.76,	8.0	417.48,	2.0
	417.74,	8.0	499.95,	2.0				
25 deg:	98.51,	4.0	499.90,	2.0				
30 deg:	101.92,	4.0	499.97,	2.0				
35 deg:	103.30,	4.0	500.18,	2.0				
40 deg:	104.75,	4.0	296.81,	2.0	353.83,	4.0	500.11,	2.0
45 deg:	102.94,	4.0	285.29,	2.0	420.20,	4.0	421.37,	2.0
	422.55,	4.0	500.04,	2.0				
50 deg:	100.16,	4.0	276.16,	2.0	450.85,	4.0	500.51,	2.0
55 deg:	95.24,	4.0	499.83,	2.0				
60 deg:	89.69,	4.0	499.66,	2.0				
65 deg:	84.79,	4.0	500.02,	2.0				
70 deg:	77.07,	4.0	473.95,	2.0	499.81,	4.0		
75 deg:	70.98,	4.0	432.27,	2.0	500.31,	4.0		
80 deg:	65.14,	4.0	383.67,	2.0	489.99,	4.0	499.88,	2.0
85 deg:	59.79,	4.0	288.39,	2.0	440.16,	4.0	500.34,	2.0
90 deg:	55.78,	4.0	214.69,	2.0	399.76,	4.0	500.05,	2.0
95 deg:	50.64,	4.0	188.23,	2.0	365.61,	4.0	451.52,	2.0
	499.71,	4.0						
100 deg:	46.58,	4.0	173.48,	2.0	342.82,	4.0	400.28,	2.0
	499.94,	4.0						
105 deg:	43.68,	4.0	113.55,	2.0	130.05,	1.0	161.35,	2.0
	324.97,	4.0	379.02,	2.0	499.85,	4.0		
110 deg:	39.17,	4.0	111.78,	2.0	138.03,	1.0	153.64,	2.0
	312.68,	4.0	370.88,	2.0	500.16,	4.0		
115 deg:	35.68,	4.0	111.89,	2.0	148.49,	1.0	149.59,	2.0
	305.21,	4.0	368.70,	2.0	496.56,	4.0	500.19,	5000.0
120 deg:	32.07,	4.0	112.89,	2.0	159.12,	1.0	307.45,	4.0
	364.54,	2.0	473.15,	4.0	490.69,	8.0	500.29,	5000.0
125 deg:	30.02,	4.0	114.75,	2.0	164.67,	1.0	472.23,	4.0
	478.86,	8.0	499.86,	5000.0				
130 deg:	28.76,	4.0	118.62,	2.0	168.42,	1.0	484.37,	4.0
	498.20,	8.0	499.99,	5000.0				
135 deg:	28.31,	4.0	123.94,	2.0	170.46,	1.0	500.15,	4.0
140 deg:	28.66,	4.0	132.20,	2.0	177.57,	1.0	499.60,	4.0
145 deg:	28.00,	4.0	142.93,	2.0	168.82,	1.0	500.20,	4.0
150 deg:	27.54,	4.0	155.41,	2.0	384.70,	4.0	499.97,	2.0
155 deg:	28.15,	4.0	168.27,	2.0	380.55,	4.0	500.16,	2.0
160 deg:	28.43,	4.0	183.94,	2.0	399.94,	4.0	499.94,	2.0
165 deg:	30.39,	4.0	184.66,	2.0	420.30,	4.0	499.55,	2.0
170 deg:	31.71,	4.0	184.09,	2.0	416.29,	4.0	462.25,	2.0
	499.86,	1.0						
175 deg:	34.17,	4.0	185.76,	2.0	439.59,	4.0	449.81,	2.0
	500.00,	1.0						
180 deg:	36.81,	4.0	186.91,	2.0	426.87,	4.0	500.06,	1.0
185 deg:	40.70,	4.0	187.60,	2.0	410.77,	4.0	467.48,	1.0
	474.94,	5000.0	479.55,	1.0	500.00,	5000.0		
190 deg:	43.97,	4.0	186.04,	2.0	241.50,	4.0	260.29,	8.0
	396.57,	4.0	455.72,	1.0	460.42,	5000.0	467.86,	1.0
195 deg:	49.66,	4.0	182.86,	2.0	235.51,	4.0	380.92,	8.0
	382.02,	4.0	383.81,	8.0	384.91,	4.0	385.81,	8.0
	464.14,	1.0	499.54,	5000.0				
200 deg:	54.80,	4.0	55.06,	2.0	56.81,	4.0	179.03,	2.0
	245.71,	4.0	245.97,	8.0	246.85,	4.0	388.12,	8.0
	479.44,	5000.0	484.34,	1.0	499.92,	5000.0		
205 deg:	66.00,	4.0	66.33,	2.0	67.17,	4.0	170.26,	2.0
	258.80,	4.0	394.64,	8.0	500.14,	1.0		
210 deg:	102.13,	4.0	155.77,	2.0	275.66,	4.0	409.06,	8.0
	497.94,	1.0	499.95,	5000.0				
215 deg:	294.03,	4.0	358.01,	8.0	358.78,	2.0	360.43,	8.0
	500.17,	2.0						
220 deg:	278.17,	4.0	499.57,	2.0				
225 deg:	249.35,	4.0	500.11,	2.0				
230 deg:	232.55,	4.0	458.49,	2.0	499.95,	4.0		
235 deg:	120.08,	4.0	122.41,	2.0	123.03,	4.0	158.08,	2.0
	224.09,	4.0	412.22,	2.0	499.82,	4.0		
240 deg:	70.94,	4.0	164.46,	2.0	219.61,	4.0	429.64,	2.0
	500.25,	4.0						
245 deg:	56.49,	4.0	169.10,	2.0	218.62,	4.0	445.67,	2.0
	500.15,	8.0						
250 deg:	46.22,	4.0	46.55,	2.0	47.98,	4.0	173.47,	2.0
	221.44,	4.0	421.26,	2.0	500.11,	8.0		
255 deg:	41.91,	4.0	175.61,	2.0	228.43,	4.0	393.35,	2.0
	499.80,	8.0						

WZQZ Conductivity Tabulation.TXT

260 deg:	37.18,	4.0	170.42,	2.0	242.33,	4.0	368.00,	2.0
	499.89,	8.0						
265 deg:	32.92,	4.0	162.01,	2.0	273.67,	4.0	346.31,	2.0
	500.42,	8.0						
270 deg:	31.29,	4.0	150.46,	2.0	338.49,	4.0	499.99,	8.0
275 deg:	29.83,	4.0	139.36,	2.0	339.46,	4.0	500.29,	8.0
280 deg:	28.65,	4.0	130.70,	2.0	348.39,	4.0	499.83,	8.0
285 deg:	27.53,	4.0	123.60,	2.0	365.54,	4.0	365.75,	8.0
	366.48,	4.0	500.26,	8.0				
290 deg:	26.59,	4.0	118.25,	2.0	384.03,	4.0	499.76,	8.0
295 deg:	26.23,	4.0	114.65,	2.0	398.97,	4.0	499.97,	8.0
300 deg:	26.42,	4.0	112.31,	2.0	412.47,	4.0	499.62,	8.0
305 deg:	24.97,	4.0	110.46,	2.0	425.82,	4.0	499.79,	8.0
310 deg:	26.06,	4.0	108.92,	2.0	440.40,	4.0	500.47,	8.0
315 deg:	26.21,	4.0	109.93,	2.0	352.26,	4.0	500.00,	8.0
320 deg:	28.27,	4.0	110.70,	2.0	332.67,	4.0	500.08,	8.0
325 deg:	27.59,	4.0	111.62,	2.0	330.78,	4.0	500.15,	8.0
330 deg:	29.11,	4.0	112.94,	2.0	335.06,	4.0	499.95,	8.0
335 deg:	30.88,	4.0	116.80,	2.0	348.31,	4.0	499.88,	8.0
340 deg:	32.87,	4.0	120.72,	2.0	373.03,	4.0	499.93,	8.0
345 deg:	35.71,	4.0	124.12,	2.0	413.47,	4.0	500.03,	8.0
350 deg:	37.93,	4.0	131.02,	2.0	445.66,	4.0	500.21,	8.0
355 deg:	42.11,	4.0	138.82,	2.0	429.05,	4.0	499.76,	8.0

## WGAB Facility Data.TXT

Callsign : WGAB  
 Coordinates : 37-57-16.0 N, 87-25-07.0 W  
 Comments :  
 Frequency (KHz) : 1180  
 Power (w) : 670.000  
 Pattern : LD  
 Efficiency : 280.758 mV/M  
 Desc : ND1  
 City/State : NEWBURGH, IN  
 ARN :  
 Licensee : NEWBURGH BROADCASTING CORPORATION

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	143.1	0.0

Field		Brng		mv/m		Brng		mv/m		Brng		mv/m		Brng		mv/m	
0	280.758	75	280.758	150	280.758	225	280.758	300	280.758								
5	280.758	80	280.758	155	280.758	230	280.758	305	280.758								
10	280.758	85	280.758	160	280.758	235	280.758	310	280.758								
15	280.758	90	280.758	165	280.758	240	280.758	315	280.758								
20	280.758	95	280.758	170	280.758	245	280.758	320	280.758								
25	280.758	100	280.758	175	280.758	250	280.758	325	280.758								
30	280.758	105	280.758	180	280.758	255	280.758	330	280.758								
35	280.758	110	280.758	185	280.758	260	280.758	335	280.758								
40	280.758	115	280.758	190	280.758	265	280.758	340	280.758								
45	280.758	120	280.758	195	280.758	270	280.758	345	280.758								
50	280.758	125	280.758	200	280.758	275	280.758	350	280.758								
55	280.758	130	280.758	205	280.758	280	280.758	355	280.758								
60	280.758	135	280.758	210	280.758	285	280.758										
65	280.758	140	280.758	215	280.758	290	280.758										
70	280.758	145	280.758	220	280.758	295	280.758										
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000											
RMSS		: 0.000		RMST		: 0.000											
RSS		: 0.000															

□

## WGAB Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 37-57-16.0 N  
 Lon : 87-25-07.0 W  
 Radius : 500

0 deg:	499.82,	8.0					
5 deg:	499.97,	8.0					
10 deg:	422.32,	8.0	481.72,	2.0	499.65,	8.0	
15 deg:	422.26,	8.0	500.29,	2.0			
20 deg:	253.38,	8.0	278.05,	15.0	278.30,	8.0	280.03, 15.0
	280.28,	8.0	281.15,	15.0	426.85,	8.0	500.51, 2.0
25 deg:	256.94,	8.0	340.17,	15.0	340.48,	8.0	341.32, 15.0
	465.38,	8.0	499.51,	4.0			
30 deg:	275.68,	8.0	391.85,	15.0	499.83,	8.0	
35 deg:	299.17,	8.0	394.51,	15.0	500.02,	8.0	
40 deg:	327.26,	8.0	403.93,	15.0	488.44,	8.0	489.12, 15.0
	490.75,	8.0	500.44,	15.0			
45 deg:	354.76,	8.0	499.92,	15.0			
50 deg:	387.98,	8.0	497.38,	15.0	500.18,	8.0	
55 deg:	500.02,	8.0					
60 deg:	499.91,	8.0					
65 deg:	105.90,	8.0	126.92,	4.0	499.79,	8.0	
70 deg:	89.25,	8.0	141.73,	4.0	357.96,	8.0	499.95, 2.0
75 deg:	82.37,	8.0	153.02,	4.0	340.66,	8.0	500.08, 2.0
80 deg:	78.69,	8.0	170.98,	4.0	332.58,	8.0	499.84, 2.0
85 deg:	74.17,	8.0	243.10,	4.0	327.72,	8.0	499.72, 2.0
90 deg:	72.50,	8.0	259.60,	4.0	325.42,	8.0	499.76, 2.0
95 deg:	70.59,	8.0	259.08,	4.0	323.42,	8.0	499.92, 2.0
100 deg:	69.31,	8.0	256.15,	4.0	311.69,	8.0	482.64, 2.0
	500.04,	4.0					
105 deg:	68.43,	8.0	254.02,	4.0	277.33,	8.0	425.79, 2.0
	500.00,	4.0					
110 deg:	68.75,	8.0	250.95,	4.0	392.99,	2.0	488.36, 4.0
	499.79,	2.0					
115 deg:	68.22,	8.0	252.53,	4.0	429.62,	2.0	461.01, 4.0
	500.14,	2.0					
120 deg:	68.89,	8.0	257.03,	4.0	500.14,	2.0	
125 deg:	69.47,	8.0	266.17,	4.0	500.07,	2.0	
130 deg:	70.00,	8.0	284.81,	4.0	499.53,	2.0	
135 deg:	72.26,	8.0	305.83,	4.0	500.21,	2.0	
140 deg:	74.41,	8.0	306.26,	4.0	392.52,	2.0	415.26, 4.0
	499.69,	2.0					
145 deg:	77.35,	8.0	306.06,	4.0	372.83,	2.0	449.21, 4.0
	500.35,	2.0					
150 deg:	80.87,	8.0	310.11,	4.0	386.43,	2.0	458.16, 4.0
	500.24,	2.0					
155 deg:	84.26,	8.0	317.26,	4.0	407.72,	2.0	462.44, 4.0
	499.70,	2.0					
160 deg:	90.05,	8.0	330.11,	4.0	429.24,	2.0	477.16, 4.0
	499.57,	2.0					
165 deg:	95.39,	8.0	348.14,	4.0	451.52,	2.0	500.16, 4.0
170 deg:	101.08,	8.0	369.99,	4.0	476.16,	2.0	499.64, 4.0
175 deg:	108.34,	8.0	400.32,	4.0	460.78,	2.0	499.82, 4.0
180 deg:	116.31,	8.0	490.61,	4.0	499.88,	2.0	
185 deg:	126.04,	8.0	440.31,	4.0	499.85,	2.0	
190 deg:	136.85,	8.0	424.44,	4.0	499.70,	2.0	
195 deg:	146.19,	8.0	420.81,	4.0	500.26,	2.0	
200 deg:	151.25,	8.0	428.00,	4.0	428.25,	2.0	458.40, 8.0
	459.53,	2.0	461.28,	8.0	461.53,	2.0	463.28, 8.0
	465.28,	8.0	466.41,	2.0	467.29,	8.0	499.70, 2.0
205 deg:	156.56,	8.0	364.06,	4.0	499.86,	8.0	
210 deg:	159.68,	8.0	331.63,	4.0	500.44,	8.0	
215 deg:	157.32,	8.0	300.76,	4.0	500.16,	8.0	
220 deg:	153.78,	8.0	265.99,	4.0	499.94,	8.0	
225 deg:	150.44,	8.0	233.33,	4.0	499.97,	8.0	
230 deg:	148.21,	8.0	206.12,	4.0	499.83,	8.0	
235 deg:	152.31,	8.0	182.39,	4.0	183.54,	8.0	184.13, 4.0
	500.39,	8.0					
240 deg:	499.84,	8.0					
245 deg:	500.49,	8.0					
250 deg:	500.15,	8.0					
255 deg:	499.67,	8.0					
260 deg:	499.71,	8.0					
265 deg:	500.31,	8.0					
270 deg:	500.15,	8.0					
275 deg:	217.91,	8.0	266.10,	15.0	500.10,	8.0	
280 deg:	205.16,	8.0	294.07,	15.0	476.17,	8.0	500.23, 15.0
285 deg:	195.34,	8.0	308.56,	15.0	443.86,	8.0	499.75, 15.0
290 deg:	187.40,	8.0	310.56,	15.0	426.87,	8.0	500.32, 15.0
295 deg:	182.67,	8.0	310.16,	15.0	421.21,	8.0	500.14, 15.0
300 deg:	179.36,	8.0	310.18,	15.0	415.26,	8.0	499.61, 15.0
305 deg:	180.47,	8.0	312.47,	15.0	393.55,	8.0	499.74, 15.0
310 deg:	181.24,	8.0	317.81,	15.0	383.77,	8.0	499.92, 15.0
315 deg:	183.36,	8.0	322.76,	15.0	421.61,	8.0	422.76, 15.0

WGAB Conductivity Tabulation.TXT

320 deg:	423.28,	8.0	423.91,	15.0	424.42,	8.0	480.09,	15.0	499.68,	8.0
325 deg:	188.18,	8.0	332.17,	15.0	500.22,	8.0				
330 deg:	196.35,	8.0	337.00,	15.0	500.24,	8.0				
335 deg:	209.05,	8.0	340.99,	15.0	499.66,	8.0				
340 deg:	226.21,	8.0	349.68,	15.0	499.68,	8.0				
345 deg:	252.39,	8.0	359.44,	15.0	500.39,	8.0				
350 deg:	286.57,	8.0	377.05,	15.0	500.39,	8.0				
355 deg:	324.22,	8.0	405.36,	15.0	499.59,	8.0				
	380.90,	8.0	422.73,	15.0	477.67,	8.0	500.00,	15.0		

## WJNT Facility Data.TXT

Callsign : WJNT  
 Coordinates : 32-17-43.0 N, 90-06-54.0 W  
 Comments :  
 Frequency (KHz) : 1180  
 Power (w) : 50000.000  
 Pattern : LD  
 Efficiency : 2156.676 mV/M  
 Desc : DAN  
 City/State : PEARL, MS  
 ARN :  
 Licensee : Buchanan Broadcasting Co., Inc.

Tower	Field	Phase	Spng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	76.0	0.0

Field		Brng		mV/m		Brng		mV/m		Brng		mV/m		Brng		mV/m	
0	2156.676	75	2156.676	150	2156.676	225	2156.676	300	2156.676								
5	2156.676	80	2156.676	155	2156.676	230	2156.676	305	2156.676								
10	2156.676	85	2156.676	160	2156.676	235	2156.676	310	2156.676								
15	2156.676	90	2156.676	165	2156.676	240	2156.676	315	2156.676								
20	2156.676	95	2156.676	170	2156.676	245	2156.676	320	2156.676								
25	2156.676	100	2156.676	175	2156.676	250	2156.676	325	2156.676								
30	2156.676	105	2156.676	180	2156.676	255	2156.676	330	2156.676								
35	2156.676	110	2156.676	185	2156.676	260	2156.676	335	2156.676								
40	2156.676	115	2156.676	190	2156.676	265	2156.676	340	2156.676								
45	2156.676	120	2156.676	195	2156.676	270	2156.676	345	2156.676								
50	2156.676	125	2156.676	200	2156.676	275	2156.676	350	2156.676								
55	2156.676	130	2156.676	205	2156.676	280	2156.676	355	2156.676								
60	2156.676	135	2156.676	210	2156.676	285	2156.676										
65	2156.676	140	2156.676	215	2156.676	290	2156.676										
70	2156.676	145	2156.676	220	2156.676	295	2156.676										
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000											
RMSS		: 0.000		RMST		: 0.000											
RSS		: 0.000															

□



## WJNT Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 32-17-43.0 N  
 Lon : 90-06-54.0 W  
 Radius : 500

\* Includes measured conductivity data from WPLX minor mod BP-20010921AAO.

0 deg:	13.00,	3.0*	30.00,	2.0*	45.00,	4.0*	200.00,	3.0*		
	238.00,	2.0*	499.91,	8.0						
5 deg:	13.00,	3.0*	30.00,	2.0*	45.00,	4.0*	200.00,	3.0*		
	238.00,	2.0*	500.07,	8.0						
10 deg:	13.00,	3.0*	30.00,	2.0*	45.00,	4.0*	200.00,	3.0*		
	238.00,	2.0*	400.66,	8.0	403.40,	4.0	404.44,	8.0	499.58,	4.0
15 deg:	13.00,	3.0*	30.00,	2.0*	40.00,	3.0*	45.00,	4.0*		
	90.00,	2.0*	200.00,	3.0*	217.00,	1.5*	238.00,	2.0*	330.86,	8.0
	500.22,	4.0								
20 deg:	40.00,	3.0*	90.00,	2.0*	217.00,	1.5*	291.01,	8.0		
	500.23,	4.0								
25 deg:	40.00,	3.0*	90.00,	2.0*	217.00,	1.5*	219.75,	2.0		
	224.09,	8.0	224.92,	2.0	226.09,	8.0	226.93,	2.0	227.26,	8.0
	228.09,	2.0	229.26,	8.0	231.26,	2.0	233.26,	8.0	234.10,	2.0
	234.43,	8.0	249.61,	2.0	500.00,	4.0				
30 deg:	40.00,	3.0*	90.00,	2.0*	217.00,	1.5*	260.36,	2.0		
	499.79,	4.0								
35 deg:	40.00,	3.0*	90.00,	2.0*	217.00,	1.5*	269.94,	2.0		
	500.04,	4.0								
40 deg:	15.36,	4.0	71.09,	8.0	276.96,	2.0	499.99,	4.0		
45 deg:	18.84,	4.0	19.40,	8.0	20.05,	4.0	63.75,	8.0		
	284.10,	2.0	499.89,	4.0						
50 deg:	23.54,	4.0	54.60,	8.0	287.56,	2.0	372.03,	4.0		
	373.20,	2.0	373.80,	4.0	500.28,	2.0				
55 deg:	28.44,	4.0	29.08,	8.0	29.61,	4.0	46.45,	8.0		
	47.62,	2.0	48.26,	8.0	288.52,	2.0	335.56,	4.0	500.55,	2.0
60 deg:	39.67,	4.0	41.03,	8.0	41.49,	4.0	42.16,	8.0		
	288.75,	2.0	340.22,	4.0	448.90,	2.0	500.06,	4.0		
65 deg:	49.11,	4.0	286.53,	2.0	458.48,	4.0	499.98,	2.0		
70 deg:	63.19,	4.0	65.40,	2.0	66.45,	4.0	284.76,	2.0		
	398.00,	4.0	499.94,	2.0						
75 deg:	80.83,	4.0	280.85,	2.0	385.22,	4.0	499.58,	2.0		
80 deg:	99.93,	4.0	276.10,	2.0	410.72,	4.0	500.08,	2.0		
85 deg:	109.02,	4.0	271.28,	2.0	499.65,	4.0				
90 deg:	113.41,	4.0	265.39,	2.0	408.08,	8.0	499.92,	4.0		
95 deg:	115.52,	4.0	259.07,	2.0	396.81,	8.0	500.06,	4.0		
100 deg:	115.41,	4.0	254.75,	2.0	388.27,	8.0	499.90,	4.0		
105 deg:	115.21,	4.0	249.48,	2.0	380.67,	8.0	500.11,	4.0		
110 deg:	115.38,	4.0	247.09,	2.0	335.53,	8.0	336.26,	1.0		
	338.08,	8.0	338.81,	1.0	345.73,	8.0	347.21,	1.0	348.29,	8.0
	401.18,	1.0	402.27,	4.0	403.74,	1.0	404.83,	4.0	406.30,	1.0
	407.38,	4.0	408.85,	1.0	409.94,	4.0	410.67,	1.0	412.50,	4.0
	413.23,	1.0	500.25,	4.0						
115 deg:	115.42,	4.0	246.99,	2.0	259.39,	8.0	500.06,	1.0		
120 deg:	118.15,	4.0	250.54,	2.0	397.24,	1.0	406.96,	5000.0		
	409.49,	1.0	410.65,	5000.0	414.35,	1.0	500.22,	5000.0		
125 deg:	120.43,	4.0	256.92,	2.0	344.77,	1.0	359.91,	5000.0		
	364.78,	1.0	500.34,	5000.0						
130 deg:	122.43,	4.0	273.04,	2.0	330.49,	1.0	335.94,	5000.0		
	337.15,	1.0	499.88,	5000.0						
135 deg:	125.92,	4.0	274.82,	2.0	316.80,	5000.0	321.69,	1.0		
	499.91,	5000.0								
140 deg:	129.77,	4.0	276.88,	2.0	499.95,	5000.0				
145 deg:	137.24,	4.0	261.65,	2.0	262.87,	5000.0	263.63,	2.0		
	500.00,	5000.0								
150 deg:	147.64,	4.0	238.14,	2.0	240.14,	5000.0	240.53,	2.0		
	241.34,	5000.0	243.74,	2.0	500.11,	5000.0				
155 deg:	158.78,	4.0	236.07,	2.0	500.18,	5000.0				
160 deg:	172.93,	4.0	234.61,	2.0	499.84,	5000.0				
165 deg:	196.01,	4.0	243.86,	2.0	268.78,	5000.0	274.57,	15.0		
	342.49,	5000.0	371.22,	15.0	500.27,	5000.0				
170 deg:	228.05,	4.0	248.68,	2.0	273.10,	5000.0	289.17,	15.0		
	291.91,	5000.0	297.52,	15.0	318.29,	5000.0	323.91,	15.0	327.70,	5000.0
	345.46,	15.0	499.62,	5000.0						
175 deg:	220.79,	4.0	230.09,	15.0	242.22,	5000.0	316.55,	15.0		
	319.39,	5000.0	321.24,	15.0	499.73,	5000.0				
180 deg:	211.64,	4.0	214.42,	15.0	251.48,	5000.0	308.00,	15.0		
	313.56,	5000.0	332.09,	15.0	337.65,	5000.0	352.47,	15.0	499.78,	5000.0
185 deg:	208.75,	4.0	225.43,	15.0	247.79,	5000.0	332.41,	15.0		
	499.75,	5000.0								
190 deg:	212.95,	4.0	358.71,	15.0	499.67,	5000.0				
195 deg:	222.80,	4.0	342.37,	15.0	500.35,	5000.0				
200 deg:	47.86,	4.0	131.32,	8.0	131.58,	4.0	133.33,	8.0		
	134.47,	4.0	136.21,	8.0	245.66,	4.0	333.92,	15.0	499.95,	5000.0
205 deg:	29.25,	4.0	32.10,	8.0	33.27,	4.0	270.51,	8.0		
	327.72,	15.0	499.98,	5000.0						
210 deg:	25.15,	4.0	281.60,	8.0	330.56,	15.0	499.87,	5000.0		
215 deg:	20.82,	4.0	295.17,	8.0	342.25,	15.0	347.44,	5000.0		

WJNT Conductivity Tabulation.TXT									
220 deg:	366.80, 15.0 17.91, 4.0 499.65, 5000.0	371.99, 30.0 319.62, 8.0	500.18, 5000.0 344.85, 15.0	386.25, 30.0					
225 deg:	16.57, 4.0 300.03, 15.0	277.49, 8.0 339.59, 8.0	298.80, 15.0 398.70, 30.0	299.36, 8.0 499.58, 5000.0					
230 deg:	15.34, 4.0 397.40, 30.0 500.12, 5000.0	275.10, 8.0 405.89, 5000.0	338.60, 15.0 409.54, 30.0	363.44, 8.0 415.60, 5000.0	428.97, 30.0				
235 deg:	12.42, 4.0 334.11, 15.0	12.96, 8.0 426.34, 8.0	13.60, 4.0 499.96, 30.0	274.74, 8.0					
240 deg:	11.94, 4.0 499.81, 30.0	272.66, 8.0	329.49, 15.0	466.68, 8.0					
245 deg:	10.40, 4.0 326.13, 15.0	211.23, 8.0 499.63, 8.0	244.74, 4.0	269.54, 8.0					
250 deg:	10.07, 4.0 499.81, 8.0	203.09, 8.0	265.94, 4.0	318.70, 15.0					
255 deg:	8.30, 4.0 490.49, 8.0	199.00, 8.0 499.65, 4.0	262.93, 4.0	314.05, 15.0					
260 deg:	8.10, 4.0 394.18, 8.0	196.41, 8.0 500.21, 4.0	261.42, 4.0	312.82, 15.0					
265 deg:	32.70, 4.0* 463.86, 8.0	194.70, 8.0 500.37, 4.0	261.05, 4.0	318.76, 15.0					
270 deg:	32.70, 4.0* 500.23, 8.0	192.85, 8.0	261.79, 4.0	327.63, 15.0					
275 deg:	32.70, 4.0* 499.97, 8.0	190.87, 8.0	265.35, 4.0	345.19, 15.0					
280 deg:	32.70, 4.0* 500.38, 8.0	190.38, 8.0	270.88, 4.0	356.03, 15.0					
285 deg:	7.59, 4.0 345.83, 4.0	187.38, 8.0 462.75, 8.0	281.15, 4.0 499.88, 4.0	332.34, 15.0					
290 deg:	6.12, 4.0	185.59, 8.0	500.23, 4.0						
295 deg:	6.12, 4.0	185.21, 8.0	500.26, 4.0						
300 deg:	5.87, 4.0	185.56, 8.0	435.74, 4.0	500.33, 15.0					
305 deg:	5.87, 4.0	188.53, 8.0	437.39, 4.0	500.17, 15.0					
310 deg:	6.44, 4.0	191.77, 8.0	436.47, 4.0	499.92, 15.0					
315 deg:	26.39, 3.0*	198.84, 8.0	440.21, 4.0	500.11, 15.0					
320 deg:	26.39, 3.0* 449.26, 4.0	208.76, 8.0 500.19, 8.0	447.56, 4.0	448.06, 8.0					
325 deg:	26.39, 3.0* 390.46, 4.0	220.00, 8.0 500.22, 8.0	389.26, 4.0	389.71, 8.0					
330 deg:	26.39, 3.0* 345.64, 4.0	243.47, 8.0 499.94, 8.0	244.27, 4.0	245.46, 8.0					
335 deg:	26.39, 3.0* 500.13, 8.0	80.00, 2.0*	110.00, 1.0*	208.00, 0.1*					
340 deg:	80.00, 2.0*	110.00, 1.0*	208.00, 0.1*	500.07, 8.0					
345 deg:	80.00, 2.0*	110.00, 1.0*	208.00, 0.1*	500.30, 8.0					
350 deg:	80.00, 2.0*	110.00, 1.0*	208.00, 0.1*	499.64, 8.0					
355 deg:	13.00, 3.0* 110.00, 1.0*	30.00, 2.0* 200.00, 3.0*	45.00, 4.0* 208.00, 0.1*	80.00, 2.0* 238.00, 2.0*	500.03, 8.0				

## WHAM Facility Data.TXT

Callsign : WHAM  
 Coordinates : 43-04-55.0 N, 77-43-30.0 W  
 Comments :  
 Frequency (KHz) : 1180  
 Power (w) : 50000.000  
 Pattern : LU  
 Efficiency : 2662.893 mV/M  
 Desc : ND1  
 City/State : ROCHESTER, NY  
 ARN :  
 Licensee : CITICASTERS LICENSES, L.P.

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	177.1	0.0

Field	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	2662.893		75	2662.893	150	2662.893	225	2662.893	300	2662.893
5	2662.893		80	2662.893	155	2662.893	230	2662.893	305	2662.893
10	2662.893		85	2662.893	160	2662.893	235	2662.893	310	2662.893
15	2662.893		90	2662.893	165	2662.893	240	2662.893	315	2662.893
20	2662.893		95	2662.893	170	2662.893	245	2662.893	320	2662.893
25	2662.893		100	2662.893	175	2662.893	250	2662.893	325	2662.893
30	2662.893		105	2662.893	180	2662.893	255	2662.893	330	2662.893
35	2662.893		110	2662.893	185	2662.893	260	2662.893	335	2662.893
40	2662.893		115	2662.893	190	2662.893	265	2662.893	340	2662.893
45	2662.893		120	2662.893	195	2662.893	270	2662.893	345	2662.893
50	2662.893		125	2662.893	200	2662.893	275	2662.893	350	2662.893
55	2662.893		130	2662.893	205	2662.893	280	2662.893	355	2662.893
60	2662.893		135	2662.893	210	2662.893	285	2662.893		
65	2662.893		140	2662.893	215	2662.893	290	2662.893		
70	2662.893		145	2662.893	220	2662.893	295	2662.893		
0.0 ohm K		: 0.000			1.0 ohm K		: 0.000			
RMSS		: 0.000			RMSt		: 0.000			
RSS		: 0.000								

□

## WHAM Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 43-04-55.0 N  
 Lon : 77-43-30.0 W  
 Radius : 1000.0

0 deg:	62.23,	8.0	103.00,	15.0	191.01,	5.0	252.16,	4.0		
	569.95,	1.0	673.72,	4.0	880.33,	8.0	999.85,	1.0		
5 deg:	61.54,	8.0	106.19,	15.0	226.18,	5.0	290.37,	4.0		
	329.48,	5.0	338.76,	4.0	999.70,	1.0				
10 deg:	62.24,	8.0	98.08,	15.0	239.30,	5.0	278.86,	4.0		
	338.14,	5.0	365.49,	4.0	1000.22,	1.0				
15 deg:	63.57,	8.0	98.94,	15.0	236.31,	5.0	275.88,	4.0		
	340.36,	5.0	388.43,	4.0	1000.10,	1.0				
20 deg:	65.21,	8.0	102.87,	15.0	226.40,	5.0	277.93,	4.0		
	346.42,	5.0	410.04,	4.0	1000.39,	1.0				
25 deg:	67.80,	8.0	95.28,	15.0	177.62,	5.0	282.40,	4.0		
	361.01,	5.0	435.55,	4.0	1000.29,	1.0				
30 deg:	70.94,	8.0	99.63,	15.0	111.80,	5.0	112.60,	15.0		
	112.94,	5.0	119.08,	15.0	145.33,	5.0	287.77,	4.0	385.25,	5.0
	480.34,	4.0	1000.19,	1.0						
35 deg:	74.95,	8.0	141.94,	15.0	301.47,	4.0	394.21,	5.0		
	560.99,	4.0	561.38,	1.0	562.11,	4.0	716.54,	1.0	741.36,	2.0
	812.34,	4.0	850.29,	2.0	1000.01,	1.0				
40 deg:	24.30,	8.0	26.59,	4.0	80.30,	8.0	153.80,	15.0		
	327.54,	4.0	368.96,	5.0	369.65,	4.0	370.08,	5.0	675.76,	4.0
	799.81,	2.0	865.06,	4.0	1000.13,	1.0				
45 deg:	21.11,	8.0	31.60,	4.0	85.57,	8.0	129.91,	15.0		
	421.18,	4.0	461.71,	5.0	482.01,	8.0	482.49,	5.0	483.11,	8.0
	576.31,	5.0	576.92,	8.0	577.40,	5.0	614.90,	8.0	630.66,	4.0
	631.14,	8.0	749.88,	2.0	869.03,	4.0	999.71,	5000.0		
50 deg:	19.24,	8.0	37.83,	4.0	94.03,	8.0	99.42,	15.0		
	132.08,	8.0	447.93,	4.0	462.26,	8.0	627.02,	5.0	811.77,	2.0
	892.99,	1.0	1000.45,	2.0						
55 deg:	16.48,	8.0	42.13,	4.0	144.93,	8.0	586.26,	4.0		
	716.83,	2.0	947.01,	1.0	975.73,	2.0	976.71,	4.0	977.27,	2.0
	999.67,	4.0								
60 deg:	15.50,	8.0	48.39,	4.0	139.31,	8.0	409.33,	4.0		
	652.79,	2.0	876.58,	1.0	996.47,	2.0	1000.09,	4.0		
65 deg:	14.06,	8.0	57.38,	4.0	103.67,	8.0	104.05,	4.0		
	105.89,	8.0	106.88,	4.0	108.11,	8.0	108.49,	4.0	110.33,	8.0
	111.32,	4.0	111.94,	8.0	117.98,	4.0	132.51,	8.0	367.14,	4.0
	464.53,	2.0	942.30,	1.0	999.90,	4.0				
70 deg:	13.72,	8.0	68.28,	4.0	68.92,	8.0	70.50,	4.0		
	71.77,	8.0	79.05,	4.0	86.02,	8.0	339.97,	4.0	436.41,	2.0
	673.85,	1.0	674.72,	2.0	676.62,	1.0	778.67,	2.0	943.72,	1.0
	1000.04,	4.0								
75 deg:	13.19,	8.0	317.22,	4.0	429.19,	2.0	551.88,	1.0		
	715.25,	2.0	731.36,	5000.0	759.52,	2.0	761.48,	5000.0	771.56,	2.0
	773.52,	5000.0	777.58,	2.0	782.15,	5000.0	806.87,	2.0	815.63,	5000.0
	830.27,	2.0	986.34,	5000.0	1000.28,	5.0				
80 deg:	13.01,	8.0	297.53,	4.0	415.85,	2.0	526.41,	1.0		
	617.13,	2.0	639.27,	5000.0	643.27,	2.0	716.99,	5000.0	718.99,	8.0
	937.50,	5000.0	980.88,	5.0	1000.20,	1.0				
85 deg:	12.90,	8.0	275.65,	4.0	401.89,	2.0	538.11,	1.0		
	579.90,	2.0	999.72,	5000.0						
90 deg:	12.86,	8.0	264.05,	4.0	321.65,	2.0	373.22,	4.0		
	391.54,	2.0	542.47,	1.0	562.24,	2.0	999.79,	5000.0		
95 deg:	12.88,	8.0	385.40,	4.0	513.07,	1.0	558.10,	2.0		
	1000.11,	5000.0								
100 deg:	12.46,	8.0	384.01,	4.0	450.96,	1.0	602.71,	2.0		
	647.15,	5000.0	654.30,	2.0	999.58,	5000.0				
105 deg:	12.69,	8.0	383.46,	4.0	424.11,	1.0	542.25,	2.0		
	560.44,	5000.0	573.09,	2.0	574.40,	5000.0	581.21,	2.0	1000.01,	5000.0
110 deg:	12.98,	8.0	381.89,	4.0	414.95,	1.0	524.94,	2.0		
	999.62,	5000.0								
115 deg:	13.33,	8.0	376.90,	4.0	434.89,	1.0	435.33,	2.0		
	435.94,	1.0	453.38,	2.0	489.97,	5000.0	493.92,	0.5	506.40,	5000.0
	521.00,	0.5	1000.21,	5000.0						
120 deg:	14.18,	8.0	380.88,	4.0	420.55,	1.0	450.15,	5000.0		
	486.01,	0.5	999.45,	5000.0						
125 deg:	14.68,	8.0	312.97,	4.0	356.93,	2.0	407.70,	4.0		
	418.87,	5000.0	424.46,	4.0	449.65,	0.5	1000.14,	5000.0		
130 deg:	15.27,	8.0	301.33,	4.0	374.14,	2.0	403.32,	4.0		
	409.56,	5000.0	420.79,	0.5	999.88,	5000.0				
135 deg:	15.90,	8.0	290.59,	4.0	349.61,	2.0	350.09,	4.0		
	351.25,	2.0	351.73,	4.0	352.40,	2.0	446.27,	4.0	1000.23,	5000.0
140 deg:	17.93,	8.0	282.27,	4.0	314.03,	2.0	474.21,	4.0		
	476.11,	5000.0	476.54,	4.0	999.94,	5000.0				
145 deg:	20.14,	8.0	275.75,	4.0	314.00,	2.0	489.66,	4.0		
	1000.29,	5000.0								
150 deg:	21.34,	8.0	255.35,	4.0	313.51,	2.0	410.35,	4.0		
	414.63,	5000.0	512.54,	4.0	1000.15,	5000.0				
155 deg:	25.44,	8.0	220.96,	4.0	311.38,	2.0	435.98,	4.0		
	454.97,	5000.0	475.40,	4.0	512.58,	5000.0	537.85,	4.0	548.93,	2.0

## WHAM Conductivity Tabulation.TXT

160 deg:	999.75, 5000.0								
	27.48, 8.0	208.37, 4.0	306.69, 2.0	417.47, 4.0					
	432.24, 40.0	436.85, 4.0	438.84, 40.0	527.06, 4.0	600.34, 2.0				
165 deg:	999.91, 5000.0								
	30.60, 8.0	202.90, 4.0	315.94, 2.0	434.47, 4.0					
	436.27, 40.0	437.34, 4.0	486.88, 40.0	494.59, 4.0	495.67, 40.0				
	496.56, 4.0	513.62, 40.0	518.47, 4.0	520.44, 40.0	551.86, 2.0				
	552.94, 5000.0	553.84, 2.0	626.40, 5000.0	654.07, 2.0	999.85, 5000.0				
170 deg:	35.58, 8.0	196.38, 4.0	344.82, 2.0	390.89, 4.0					
	446.34, 2.0	517.69, 4.0	520.44, 5000.0	542.05, 4.0	542.97, 5000.0				
	550.52, 4.0	559.90, 5000.0	610.57, 4.0	617.21, 5000.0	642.49, 2.0				
	645.35, 5000.0	656.56, 2.0	664.11, 5000.0	688.48, 2.0	698.78, 5000.0				
	699.81, 4.0	703.47, 5000.0	782.32, 4.0	800.18, 5000.0	863.02, 4.0				
	999.95, 5000.0								
175 deg:	40.75, 8.0	190.49, 4.0	490.78, 2.0	498.22, 4.0					
	503.82, 5000.0	525.18, 4.0	528.87, 5000.0	545.61, 4.0	811.46, 2.0				
	849.57, 4.0	854.18, 5000.0	900.66, 4.0	908.11, 5000.0	932.25, 4.0				
	1000.09, 5000.0								
180 deg:	44.32, 8.0	185.15, 4.0	267.60, 2.0	302.81, 4.0					
	862.42, 2.0	975.45, 4.0	999.54, 5000.0						
185 deg:	46.35, 8.0	181.20, 4.0	252.76, 2.0	373.67, 4.0					
	826.30, 2.0	875.61, 4.0	936.92, 2.0	1000.09, 4.0					
190 deg:	46.88, 8.0	179.48, 4.0	279.11, 2.0	429.42, 4.0					
	694.09, 2.0	852.71, 4.0	988.61, 2.0	988.73, 4.0	990.56, 2.0				
	999.95, 4.0								
195 deg:	46.87, 8.0	178.19, 4.0	333.15, 2.0	460.14, 4.0					
	724.53, 2.0	757.97, 4.0	810.31, 2.0	946.55, 4.0	999.85, 2.0				
200 deg:	47.22, 8.0	178.93, 4.0	319.46, 2.0	478.96, 4.0					
	961.78, 2.0	999.91, 4.0							
205 deg:	47.65, 8.0	180.32, 4.0	306.29, 2.0	495.26, 4.0					
	999.75, 2.0								
210 deg:	46.71, 8.0	182.25, 4.0	294.50, 2.0	420.87, 4.0					
	758.20, 2.0	868.65, 4.0	1000.15, 2.0						
215 deg:	48.08, 8.0	185.15, 4.0	289.27, 2.0	450.02, 4.0					
	835.66, 2.0	860.82, 4.0	1000.29, 2.0						
220 deg:	49.05, 8.0	189.83, 4.0	285.75, 2.0	499.49, 4.0					
	999.94, 2.0								
225 deg:	49.25, 8.0	195.97, 4.0	253.38, 2.0	477.24, 8.0					
	477.72, 4.0	478.40, 8.0	535.12, 4.0	735.89, 2.0	863.36, 8.0				
	864.06, 4.0	864.54, 8.0	1000.23, 4.0						
230 deg:	50.96, 8.0	225.06, 4.0	819.59, 8.0	999.88, 4.0					
235 deg:	52.45, 8.0	244.73, 4.0	862.31, 8.0	961.53, 4.0					
	1000.14, 8.0								
240 deg:	55.98, 8.0	102.93, 4.0	103.40, 8.0	104.57, 4.0					
	181.36, 8.0	238.46, 4.0	239.53, 8.0	240.12, 4.0	503.42, 8.0				
	614.15, 15.0	999.45, 8.0							
245 deg:	66.16, 8.0	77.97, 4.0	471.44, 8.0	560.62, 15.0					
	561.07, 8.0	561.68, 15.0	588.24, 8.0	702.02, 15.0	1000.21, 8.0				
250 deg:	153.03, 8.0	154.00, 10.0	155.27, 8.0	156.88, 10.0					
	157.51, 8.0	159.12, 10.0	159.76, 8.0	222.29, 10.0	222.93, 8.0				
	224.54, 10.0	384.80, 8.0	385.80, 10.0	387.07, 8.0	423.41, 10.0				
	465.64, 8.0	526.21, 15.0	639.84, 8.0	752.15, 15.0	999.62, 8.0				
	999.62, 15.0								
255 deg:	107.61, 8.0	209.79, 10.0	211.36, 8.0	399.93, 10.0					
	400.87, 15.0	401.53, 10.0	417.36, 15.0	459.02, 10.0	924.40, 8.0				
	1000.01, 15.0								
260 deg:	126.82, 8.0	128.16, 10.0	132.33, 8.0	133.84, 10.0					
	135.84, 8.0	137.18, 10.0	137.84, 8.0	144.87, 10.0	148.38, 8.0				
	150.38, 10.0	151.04, 8.0	210.75, 10.0	253.32, 8.0	321.60, 10.0				
	327.34, 8.0	391.09, 15.0	422.12, 10.0	435.43, 15.0	550.11, 8.0				
	648.48, 4.0	722.57, 2.0	856.93, 8.0	934.38, 15.0	936.65, 8.0				
	937.32, 15.0	999.58, 8.0							
265 deg:	185.89, 8.0	196.89, 5.0	321.43, 8.0	406.70, 15.0					
	418.43, 8.0	435.69, 15.0	581.64, 8.0	718.27, 2.0	1000.11, 8.0				
270 deg:	181.40, 8.0	203.73, 5.0	297.25, 8.0	445.23, 15.0					
	657.04, 8.0	692.59, 2.0	823.48, 8.0	850.21, 15.0	999.79, 8.0				
275 deg:	175.58, 8.0	214.12, 5.0	239.83, 8.0	288.46, 10.0					
	336.44, 15.0	369.50, 10.0	391.10, 8.0	454.49, 15.0	653.38, 8.0				
	701.92, 2.0	824.71, 8.0	842.91, 15.0	990.90, 8.0	999.72, 4.0				
280 deg:	116.53, 8.0	170.45, 15.0	224.84, 5.0	288.63, 10.0					
	328.00, 15.0	361.11, 10.0	397.65, 8.0	465.78, 15.0	643.94, 8.0				
	707.59, 2.0	811.29, 8.0	871.41, 15.0	935.50, 8.0	1000.20, 4.0				
285 deg:	117.06, 8.0	117.28, 15.0	117.94, 8.0	162.21, 15.0					
	233.39, 5.0	293.79, 10.0	333.04, 15.0	369.89, 10.0	413.42, 8.0				
	447.57, 15.0	618.54, 8.0	699.27, 2.0	907.44, 8.0	1000.28, 4.0				
290 deg:	125.89, 8.0	158.73, 15.0	199.74, 5.0	208.25, 10.0					
	227.79, 8.0	246.05, 5.0	246.34, 10.0	246.98, 5.0	277.16, 10.0				
	307.95, 5.0	342.15, 15.0	382.56, 10.0	867.65, 8.0	1000.04, 4.0				
295 deg:	115.76, 8.0	149.62, 15.0	178.01, 5.0	203.54, 10.0					
	229.65, 8.0	332.18, 5.0	340.60, 15.0	398.64, 10.0	839.82, 8.0				
	999.90, 4.0								
300 deg:	108.66, 8.0	141.52, 15.0	166.08, 8.0	197.22, 10.0					
	226.10, 8.0	327.34, 5.0	327.93, 4.0	328.94, 5.0	331.71, 4.0				
	332.30, 5.0	419.63, 10.0	826.14, 8.0	938.03, 4.0	942.49, 8.0				
	985.12, 4.0	1000.09, 8.0							



## KUGT Facility Data.TXT

Callsign : KUGT  
 Coordinates : 37-22-54.0 N, 89-39-07.0 W  
 Comments :  
 Frequency (KHz) : 1170  
 Power (w) : 250.000  
 Pattern : LD  
 Efficiency : 141.000 mV/M  
 Desc : NDD  
 City/State : JACKSON, MO  
 ARN :  
 Licensee : THE LIGHT AND POWER COMPANY, INC.

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	85.7	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	141.000	75	141.000	150	141.000	225	141.000	300	141.000
5	141.000	80	141.000	155	141.000	230	141.000	305	141.000
10	141.000	85	141.000	160	141.000	235	141.000	310	141.000
15	141.000	90	141.000	165	141.000	240	141.000	315	141.000
20	141.000	95	141.000	170	141.000	245	141.000	320	141.000
25	141.000	100	141.000	175	141.000	250	141.000	325	141.000
30	141.000	105	141.000	180	141.000	255	141.000	330	141.000
35	141.000	110	141.000	185	141.000	260	141.000	335	141.000
40	141.000	115	141.000	190	141.000	265	141.000	340	141.000
45	141.000	120	141.000	195	141.000	270	141.000	345	141.000
50	141.000	125	141.000	200	141.000	275	141.000	350	141.000
55	141.000	130	141.000	205	141.000	280	141.000	355	141.000
60	141.000	135	141.000	210	141.000	285	141.000		
65	141.000	140	141.000	215	141.000	290	141.000		
70	141.000	145	141.000	220	141.000	295	141.000		
0.0 ohm K		: 0.000		1.0 ohm K		: 0.000			
RMSS		: 0.000		RMSt		: 0.000			
RSS		: 0.000							

## KUGT Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 37-22-54.0 N  
 Lon : 89-39-07.0 W  
 Radius : 500

0 deg:	104.88,	8.0	340.21,	15.0	499.57,	8.0		
5 deg:	117.39,	8.0	373.20,	15.0	499.75,	8.0		
10 deg:	134.75,	8.0	413.48,	15.0	413.61,	8.0	414.52,	15.0
	500.20,	8.0						
15 deg:	166.18,	8.0	490.49,	15.0	500.16,	8.0		
20 deg:	500.04,	8.0						
25 deg:	500.29,	8.0						
30 deg:	500.04,	8.0						
35 deg:	499.99,	8.0						
40 deg:	500.16,	8.0						
45 deg:	427.66,	8.0	499.92,	15.0				
50 deg:	495.77,	8.0	500.27,	15.0				
55 deg:	500.18,	8.0						
60 deg:	500.14,	8.0						
65 deg:	500.08,	8.0						
70 deg:	299.68,	8.0	346.43,	4.0	500.27,	8.0		
75 deg:	279.07,	8.0	378.57,	4.0	499.69,	8.0		
80 deg:	264.92,	8.0	458.89,	4.0	500.14,	8.0		
85 deg:	251.57,	8.0	453.69,	4.0	499.95,	8.0		
90 deg:	240.24,	8.0	440.11,	4.0	454.88,	8.0	499.90,	2.0
95 deg:	227.65,	8.0	427.36,	4.0	499.94,	2.0		
100 deg:	214.91,	8.0	425.10,	4.0	499.92,	2.0		
105 deg:	203.59,	8.0	432.97,	4.0	500.00,	2.0		
110 deg:	70.00,	8.0	88.18,	4.0	191.33,	8.0	438.41,	4.0
	500.37,	2.0						
115 deg:	66.36,	8.0	102.10,	4.0	102.50,	8.0	103.84,	4.0
	179.11,	8.0	419.51,	4.0	500.15,	2.0		
120 deg:	64.18,	8.0	121.50,	4.0	121.97,	8.0	122.60,	4.0
	123.72,	8.0	124.35,	4.0	154.74,	8.0	406.06,	4.0
	500.43,	4.0					476.20,	2.0
125 deg:	63.07,	8.0	398.02,	4.0	477.29,	2.0	500.24,	4.0
130 deg:	64.69,	8.0	396.99,	4.0	482.37,	2.0	500.08,	4.0
135 deg:	66.81,	8.0	398.30,	4.0	486.86,	2.0	499.91,	4.0
140 deg:	71.28,	8.0	402.05,	4.0	489.55,	2.0	499.91,	4.0
145 deg:	75.38,	8.0	411.14,	4.0	496.48,	2.0	499.65,	4.0
150 deg:	83.21,	8.0	499.77,	4.0				
155 deg:	90.58,	8.0	423.03,	4.0	499.91,	2.0		
160 deg:	105.20,	8.0	373.39,	4.0	499.95,	2.0		
165 deg:	123.56,	8.0	355.21,	4.0	499.54,	2.0		
170 deg:	163.51,	8.0	250.86,	4.0	251.90,	8.0	253.73,	4.0
	338.36,	8.0	344.88,	4.0	499.85,	2.0		
175 deg:	401.51,	8.0	500.09,	2.0				
180 deg:	500.12,	8.0						
185 deg:	500.06,	8.0						
190 deg:	499.92,	8.0						
195 deg:	499.64,	8.0						
200 deg:	499.83,	8.0						
205 deg:	390.49,	8.0	500.08,	4.0				
210 deg:	353.08,	8.0	499.59,	4.0				
215 deg:	340.02,	8.0	499.88,	4.0				
220 deg:	343.31,	8.0	500.16,	4.0				
225 deg:	354.82,	8.0	499.66,	4.0				
230 deg:	371.49,	8.0	499.81,	4.0				
235 deg:	391.29,	8.0	424.15,	4.0	499.96,	15.0		
240 deg:	416.38,	8.0	500.13,	15.0				
245 deg:	499.83,	8.0						
250 deg:	500.05,	8.0						
255 deg:	500.38,	8.0						
260 deg:	492.63,	8.0	492.84,	15.0	493.57,	8.0	499.58,	15.0
265 deg:	451.74,	8.0	500.34,	15.0				
270 deg:	410.96,	8.0	500.29,	15.0				
275 deg:	379.90,	8.0	500.34,	15.0				
280 deg:	363.63,	8.0	499.80,	15.0				
285 deg:	346.76,	8.0	500.07,	15.0				
290 deg:	326.83,	8.0	499.95,	15.0				
295 deg:	311.81,	8.0	499.77,	15.0				
300 deg:	299.56,	8.0	499.85,	15.0				
305 deg:	292.26,	8.0	499.90,	15.0				
310 deg:	289.10,	8.0	500.00,	15.0				
315 deg:	289.90,	8.0	500.20,	15.0				
320 deg:	107.93,	8.0	108.40,	15.0	109.11,	8.0	157.36,	15.0
	299.46,	8.0	499.94,	15.0				
325 deg:	86.33,	8.0	179.82,	15.0	313.52,	8.0	499.79,	15.0
330 deg:	81.58,	8.0	194.49,	15.0	314.38,	8.0	500.23,	15.0
335 deg:	80.15,	8.0	209.22,	15.0	313.07,	8.0	500.14,	15.0
340 deg:	81.03,	8.0	225.46,	15.0	318.53,	8.0	417.65,	15.0
	500.18,	8.0						
345 deg:	82.79,	8.0	247.93,	15.0	500.07,	8.0		
350 deg:	89.63,	8.0	276.04,	15.0	500.27,	8.0		
355 deg:	95.08,	8.0	310.90,	15.0	499.72,	8.0		



## WMT Facility Data.TXT

Callsign : WMT  
 Coordinates : 35-50-41.0 N, 88-54-08.0 W  
 Comments :  
 Frequency (KHz) : 1190  
 Power (w) : 420.000  
 Pattern : LD  
 Efficiency : 214.850 mV/M  
 Desc : NDD  
 City/State : HUMBOLDT, TN  
 ARN :  
 Licensee : BOYD ENTERPRISES, INC.

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	128.6	0.0

Field		Brng		mV/m		Brng		mV/m		Brng		mV/m		Brng		mV/m	
0	214.850	75	214.850	150	214.850	225	214.850	300	214.850								
5	214.850	80	214.850	155	214.850	230	214.850	305	214.850								
10	214.850	85	214.850	160	214.850	235	214.850	310	214.850								
15	214.850	90	214.850	165	214.850	240	214.850	315	214.850								
20	214.850	95	214.850	170	214.850	245	214.850	320	214.850								
25	214.850	100	214.850	175	214.850	250	214.850	325	214.850								
30	214.850	105	214.850	180	214.850	255	214.850	330	214.850								
35	214.850	110	214.850	185	214.850	260	214.850	335	214.850								
40	214.850	115	214.850	190	214.850	265	214.850	340	214.850								
45	214.850	120	214.850	195	214.850	270	214.850	345	214.850								
50	214.850	125	214.850	200	214.850	275	214.850	350	214.850								
55	214.850	130	214.850	205	214.850	280	214.850	355	214.850								
60	214.850	135	214.850	210	214.850	285	214.850										
65	214.850	140	214.850	215	214.850	290	214.850										
70	214.850	145	214.850	220	214.850	295	214.850										
0.0 ohm K		:	0.000	1.0 ohm K		:	0.000										
RMSS		:	0.000	RMSt		:	0.000										
RSS		:	0.000														

□

## WHMT Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 35-50-41.0 N  
 Lon : 88-54-08.0 W  
 Radius : 500

0 deg:	147.90,	4.0	364.70,	8.0	499.97,	15.0		
5 deg:	144.77,	4.0	483.38,	8.0	500.11,	15.0		
10 deg:	135.10,	4.0	499.65,	8.0				
15 deg:	124.37,	4.0	500.35,	8.0				
20 deg:	116.01,	4.0	500.49,	8.0				
25 deg:	110.03,	4.0	499.66,	8.0				
30 deg:	110.09,	4.0	500.24,	8.0				
35 deg:	114.20,	4.0	500.17,	8.0				
40 deg:	121.97,	4.0	317.22,	8.0	380.10,	4.0	499.81,	8.0
45 deg:	133.81,	4.0	248.73,	8.0	249.37,	4.0	251.07,	8.0
	392.32,	4.0	499.93,	8.0				
50 deg:	407.51,	4.0	500.10,	8.0				
55 deg:	454.27,	4.0	499.74,	8.0				
60 deg:	450.81,	4.0	499.99,	8.0				
65 deg:	416.12,	4.0	498.81,	8.0	500.17,	2.0		
70 deg:	382.15,	4.0	499.84,	2.0				
75 deg:	364.13,	4.0	500.08,	2.0				
80 deg:	355.49,	4.0	499.83,	2.0				
85 deg:	358.72,	4.0	500.34,	2.0				
90 deg:	325.54,	4.0	500.17,	2.0				
95 deg:	294.47,	4.0	500.03,	2.0				
100 deg:	274.86,	4.0	359.88,	2.0	400.87,	4.0	499.74,	2.0
105 deg:	261.05,	4.0	343.48,	2.0	417.57,	4.0	499.94,	2.0
110 deg:	251.33,	4.0	337.11,	2.0	411.13,	4.0	499.87,	2.0
115 deg:	244.23,	4.0	332.89,	2.0	387.83,	4.0	471.35,	2.0
	500.28,	1.0						
120 deg:	240.29,	4.0	328.92,	2.0	374.82,	4.0	482.26,	2.0
	499.61,	1.0						
125 deg:	235.87,	4.0	324.45,	2.0	366.49,	4.0	497.13,	2.0
	500.10,	4.0						
130 deg:	235.01,	4.0	320.66,	2.0	366.86,	4.0	500.05,	2.0
135 deg:	236.49,	4.0	319.13,	2.0	369.91,	4.0	471.75,	2.0
	499.95,	4.0						
140 deg:	246.88,	4.0	247.60,	2.0	248.08,	4.0	314.06,	2.0
	314.54,	4.0	316.47,	2.0	499.96,	4.0		
145 deg:	461.76,	4.0	499.70,	8.0				
150 deg:	446.72,	4.0	500.22,	8.0				
155 deg:	218.60,	4.0	374.21,	2.0	431.66,	4.0	499.87,	8.0
160 deg:	196.22,	4.0	433.98,	2.0	499.58,	8.0		
165 deg:	182.39,	4.0	183.48,	2.0	184.38,	4.0	481.13,	2.0
	500.06,	8.0						
170 deg:	176.26,	4.0	500.38,	2.0				
175 deg:	171.44,	4.0	499.69,	2.0				
180 deg:	169.89,	4.0	397.81,	2.0	409.85,	4.0	499.72,	2.0
185 deg:	126.83,	4.0	192.83,	8.0	376.01,	2.0	499.66,	4.0
190 deg:	100.03,	4.0	257.06,	8.0	380.23,	2.0	500.44,	4.0
195 deg:	85.78,	4.0	394.99,	8.0	500.15,	4.0		
200 deg:	76.32,	4.0	499.70,	8.0				
205 deg:	68.90,	4.0	499.70,	8.0				
210 deg:	62.55,	4.0	500.40,	8.0				
215 deg:	59.07,	4.0	499.90,	8.0				
220 deg:	54.81,	4.0	466.02,	8.0	467.23,	4.0	468.44,	8.0
	500.19,	4.0						
225 deg:	50.54,	4.0	358.79,	8.0	359.46,	4.0	360.00,	8.0
	499.66,	4.0						
230 deg:	46.78,	4.0	304.93,	8.0	499.74,	4.0		
235 deg:	45.72,	4.0	289.28,	8.0	499.77,	4.0		
240 deg:	43.86,	4.0	279.84,	8.0	499.92,	4.0		
245 deg:	42.15,	4.0	280.16,	8.0	499.91,	4.0		
250 deg:	41.41,	4.0	289.24,	8.0	500.19,	4.0		
255 deg:	40.28,	4.0	316.26,	8.0	470.58,	4.0	470.87,	15.0
	471.59,	4.0	500.28,	15.0				
260 deg:	40.20,	4.0	361.70,	8.0	423.67,	4.0	423.88,	15.0
	424.62,	4.0	500.08,	15.0				
265 deg:	39.73,	4.0	420.28,	8.0	500.37,	15.0		
270 deg:	40.36,	4.0	499.77,	8.0				
275 deg:	39.74,	4.0	499.94,	8.0				
280 deg:	40.22,	4.0	500.18,	8.0				
285 deg:	41.02,	4.0	499.69,	8.0				
290 deg:	42.14,	4.0	500.17,	8.0				
295 deg:	42.86,	4.0	490.60,	8.0	499.81,	15.0		
300 deg:	44.56,	4.0	484.98,	8.0	499.64,	15.0		
305 deg:	47.00,	4.0	475.27,	8.0	500.03,	15.0		
310 deg:	49.76,	4.0	464.41,	8.0	500.36,	15.0		
315 deg:	53.51,	4.0	457.89,	8.0	500.18,	15.0		
320 deg:	57.76,	4.0	457.37,	8.0	500.03,	15.0		
325 deg:	61.97,	4.0	466.42,	8.0	499.94,	15.0		
330 deg:	67.37,	4.0	491.86,	8.0	500.41,	15.0		
335 deg:	76.50,	4.0	267.28,	8.0	380.50,	15.0	497.20,	8.0

## WHMT Conductivity Tabulation.TXT

340 deg:	499.49,	15.0					
	88.45,	4.0	264.34,	8.0	412.13,	15.0	500.35,
345 deg:	101.44,	4.0	279.18,	8.0	450.41,	15.0	500.44,
350 deg:	120.18,	4.0	297.06,	8.0	495.93,	15.0	499.71,
355 deg:	138.27,	4.0	322.42,	8.0	500.14,	15.0	

## NEW - Pine Bluff, AR Facility Data.TXT

Callsign : NEW  
 Coordinates : 34-15-18.0 N, 92-01-44.0 W  
 Comments :  
 Frequency (KHz) : 1190  
 Power (w) : 10000.000  
 Pattern : AD  
 Efficiency : 956.709 mV/M  
 Desc : DAN  
 City/State : PINE BLUFF, AR  
 ARN :  
 Licensee : JOEL J. KINLOW

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	85.0	0.0

Field Brng	mv/m	Brng	mv/m	Brng	mv/m	Brng	mv/m	Brng	mv/m
0	956.709	75	956.709	150	956.709	225	956.709	300	956.709
5	956.709	80	956.709	155	956.709	230	956.709	305	956.709
10	956.709	85	956.709	160	956.709	235	956.709	310	956.709
15	956.709	90	956.709	165	956.709	240	956.709	315	956.709
20	956.709	95	956.709	170	956.709	245	956.709	320	956.709
25	956.709	100	956.709	175	956.709	250	956.709	325	956.709
30	956.709	105	956.709	180	956.709	255	956.709	330	956.709
35	956.709	110	956.709	185	956.709	260	956.709	335	956.709
40	956.709	115	956.709	190	956.709	265	956.709	340	956.709
45	956.709	120	956.709	195	956.709	270	956.709	345	956.709
50	956.709	125	956.709	200	956.709	275	956.709	350	956.709
55	956.709	130	956.709	205	956.709	280	956.709	355	956.709
60	956.709	135	956.709	210	956.709	285	956.709		
65	956.709	140	956.709	215	956.709	290	956.709		
70	956.709	145	956.709	220	956.709	295	956.709		
0.0 ohm K		:	0.000	1.0 ohm K		:	0.000		
RMSS		:	0.000	RMSt		:	0.000		
RSS		:	0.000						

□

## GROUND CONDUCTIVITY REPORT

NEW - Pine Bluff, AR Conductivity Tabulation.TXT

Lat : 34-15-18.0 N  
 Lon : 92-01-44.0 W  
 Radius : 500

0 deg:	80.98,	4.0	499.75,	8.0				
5 deg:	77.54,	4.0	499.93,	8.0				
10 deg:	75.67,	4.0	500.31,	8.0				
15 deg:	72.31,	4.0	464.59,	8.0	500.15,	15.0		
20 deg:	69.51,	4.0	449.46,	8.0	500.09,	15.0		
25 deg:	66.68,	4.0	500.09,	8.0				
30 deg:	63.88,	4.0	499.85,	8.0				
35 deg:	62.84,	4.0	500.51,	8.0				
40 deg:	59.84,	4.0	405.80,	8.0	428.09,	4.0	500.03,	8.0
45 deg:	57.98,	4.0	349.04,	8.0	349.67,	4.0	350.21,	8.0
	433.93,	4.0	499.90,	8.0				
50 deg:	55.93,	4.0	317.16,	8.0	435.10,	4.0	500.50,	8.0
55 deg:	55.52,	4.0	297.58,	8.0	499.86,	4.0		
60 deg:	54.32,	4.0	286.99,	8.0	499.72,	4.0		
65 deg:	52.47,	4.0	280.79,	8.0	500.11,	4.0		
70 deg:	52.49,	4.0	279.60,	8.0	499.92,	4.0		
75 deg:	51.84,	4.0	280.56,	8.0	500.43,	4.0		
80 deg:	51.62,	4.0	280.50,	8.0	500.00,	4.0		
85 deg:	51.81,	4.0	277.98,	8.0	472.19,	4.0	499.69,	2.0
90 deg:	52.44,	4.0	275.36,	8.0	349.70,	2.0	351.27,	4.0
	353.57,	2.0	447.16,	4.0	500.14,	2.0		
95 deg:	54.23,	4.0	267.11,	8.0	404.95,	2.0	474.08,	4.0
	499.77,	2.0						
100 deg:	55.63,	4.0	259.86,	8.0	438.06,	2.0	499.96,	4.0
105 deg:	56.65,	4.0	256.82,	8.0	462.40,	2.0	499.82,	4.0
110 deg:	58.33,	4.0	256.15,	8.0	479.23,	2.0	500.08,	4.0
115 deg:	60.48,	4.0	257.70,	8.0	492.09,	2.0	500.06,	8.0
120 deg:	60.58,	4.0	263.48,	8.0	500.10,	2.0		
125 deg:	63.45,	4.0	274.21,	8.0	347.16,	2.0	347.79,	4.0
	500.24,	2.0						
130 deg:	65.65,	4.0	286.81,	8.0	301.75,	2.0	380.73,	4.0
	499.69,	2.0						
135 deg:	67.72,	4.0	283.57,	8.0	397.43,	4.0	500.34,	2.0
140 deg:	70.95,	4.0	276.89,	8.0	412.46,	4.0	499.71,	2.0
145 deg:	74.23,	4.0	293.18,	8.0	436.86,	4.0	500.23,	2.0
150 deg:	80.82,	4.0	322.24,	8.0	467.08,	4.0	499.94,	2.0
155 deg:	87.31,	4.0	352.21,	8.0	480.73,	4.0	481.06,	15.0
	481.90,	4.0	491.15,	15.0	500.07,	5000.0		
160 deg:	95.28,	4.0	378.45,	8.0	452.80,	4.0	473.54,	15.0
	494.03,	5000.0	500.07,	15.0				
165 deg:	106.94,	4.0	410.56,	8.0	451.73,	4.0	500.49,	15.0
170 deg:	121.01,	4.0	471.62,	8.0	499.70,	15.0		
175 deg:	140.96,	4.0	464.57,	8.0	499.92,	15.0		
180 deg:	166.40,	4.0	462.88,	8.0	498.09,	15.0	499.94,	5000.0
185 deg:	326.93,	4.0	390.18,	8.0	438.52,	15.0	468.26,	8.0
	480.40,	15.0	499.92,	30.0				
190 deg:	323.05,	4.0	347.59,	8.0	443.42,	15.0	459.36,	8.0
	499.71,	30.0						
195 deg:	290.02,	4.0	399.91,	15.0	476.47,	8.0	481.36,	30.0
	484.25,	5000.0	500.30,	30.0				
200 deg:	238.92,	4.0	345.07,	15.0	494.92,	8.0	499.82,	30.0
205 deg:	203.72,	4.0	302.41,	15.0	500.09,	8.0		
210 deg:	181.07,	4.0	278.74,	15.0	499.96,	8.0		
215 deg:	169.84,	4.0	264.03,	15.0	361.19,	8.0	381.97,	4.0
	500.26,	8.0						
220 deg:	169.44,	4.0	254.39,	15.0	355.58,	8.0	420.03,	4.0
	420.52,	8.0	422.47,	4.0	424.18,	8.0	424.90,	4.0
	499.74,	4.0					452.43,	8.0
225 deg:	186.53,	4.0	245.17,	15.0	376.96,	8.0	500.38,	4.0
230 deg:	203.39,	4.0	405.37,	8.0	499.72,	4.0		
235 deg:	208.00,	4.0	438.34,	8.0	499.65,	4.0		
240 deg:	224.43,	4.0	445.13,	8.0	471.80,	30.0	500.14,	15.0
245 deg:	248.47,	4.0	389.23,	8.0	500.10,	30.0		
250 deg:	307.97,	4.0	351.25,	8.0	487.54,	30.0	500.13,	15.0
255 deg:	322.85,	4.0	477.18,	30.0	499.87,	15.0		
260 deg:	300.82,	4.0	472.92,	30.0	500.01,	15.0		
265 deg:	291.90,	4.0	298.87,	15.0	301.93,	30.0	460.15,	15.0
	499.82,	30.0						
270 deg:	198.78,	4.0	447.97,	15.0	500.19,	30.0		
275 deg:	189.95,	4.0	440.17,	15.0	499.74,	30.0		
280 deg:	181.81,	4.0	445.71,	15.0	500.05,	30.0		
285 deg:	174.85,	4.0	499.74,	15.0				
290 deg:	169.78,	4.0	421.14,	15.0	475.48,	8.0	499.97,	15.0
295 deg:	166.42,	4.0	410.07,	15.0	494.60,	8.0	500.15,	30.0
300 deg:	164.32,	4.0	253.65,	15.0	334.71,	8.0	421.44,	15.0
	498.02,	8.0	499.77,	30.0				
305 deg:	163.54,	4.0	234.73,	15.0	355.06,	8.0	431.67,	15.0
	499.90,	30.0						
310 deg:	165.26,	4.0	213.28,	15.0	368.98,	8.0	425.29,	15.0

## NEW - Pine Bluff, AR Conductivity Tabulation.TXT

315 deg:	500.54,	30.0	181.19,	15.0	374.15,	8.0	427.02,	15.0
	169.42,	4.0						
	499.94,	30.0						
320 deg:	151.17,	4.0	376.42,	8.0	475.97,	15.0	477.84,	30.0
	478.34,	15.0	500.06,	30.0				
325 deg:	131.81,	4.0	132.24,	8.0	133.00,	4.0	395.62,	8.0
	500.54,	15.0						
330 deg:	118.10,	4.0	118.49,	8.0	119.29,	4.0	395.70,	8.0
	499.87,	15.0						
335 deg:	107.67,	4.0	408.06,	8.0	500.12,	15.0		
340 deg:	100.15,	4.0	434.67,	8.0	500.11,	15.0		
345 deg:	94.48,	4.0	454.01,	8.0	500.16,	15.0		
350 deg:	88.85,	4.0	476.76,	8.0	500.32,	15.0		
355 deg:	84.99,	4.0	499.94,	8.0				

## WMPS Facility Data.TXT

Callsign : WMPS  
 Coordinates : 35-15-40.0 N, 89-49-50.0 W  
 Comments :  
 Frequency (KHz) : 1210  
 Power (w) : 10000.000  
 Pattern : LD  
 Efficiency : 917.900 mV/M  
 Desc : DA2  
 City/State : BARTLETT, TN  
 ARN :  
 Licensee : ARLINGTON BROADCASTING COMPANY

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	84.1	0.0
2	0.715	253.0	85.0	210.0	84.1	0.0
3	0.580	352.0	150.0	310.0	84.1	0.0
4	0.823	261.1	159.1	278.2	84.1	0.0

Field	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	357.392	75	64.674	150	462.264	225	2016.506	300	621.701	
5	301.777	80	76.578	155	572.172	230	1978.475	305	589.873	
10	243.292	85	87.282	160	696.452	235	1916.042	310	569.000	
15	185.445	90	94.684	165	832.869	240	1832.019	315	556.368	
20	132.641	95	98.400	170	978.396	245	1730.038	320	548.894	
25	90.936	100	99.348	175	1129.343	250	1614.361	325	543.351	
30	68.662	105	99.478	180	1281.510	255	1489.657	330	536.600	
35	68.060	110	101.468	185	1430.376	260	1360.745	335	525.817	
40	76.167	115	108.217	190	1571.305	265	1232.335	340	508.695	
45	81.412	120	122.291	195	1699.759	270	1108.770	345	483.621	
50	80.086	125	145.730	200	1811.507	275	993.812	350	449.810	
55	72.776	130	180.340	205	1902.833	280	890.459	355	407.383	
60	62.669	135	227.923	210	1970.706	285	800.839			
65	55.195	140	290.121	215	2012.932	290	726.145			
70	55.877	145	368.095	220	2028.271	295	666.643			
0.0 ohm K		:	637.924	1.0 ohm K		:	627.006			
RMSS		:	964.367	RMST		:	917.900			
RSS		:	996.320							

□

## WMPS Conductivity Tabulation.TXT

## GROUND CONDUCTIVITY REPORT

Lat : 35-15-40.0 N  
 Lon : 89-49-50.0 W  
 Radius : 250

\* Includes measured conductivity data (attached); \*\* see license to cover BL-19951017AA

[Data & analysis provided in Appendix A-2]

0 deg:	249.85,	8.0					
5 deg:	249.90,	8.0					
10 deg:	250.00,	8.0					
15 deg:	250.21,	8.0					
20 deg:	154.79,	8.0	222.72,	4.0	222.98,	8.0	223.85, 4.0
	249.51,	8.0					
25 deg:	108.34,	8.0	229.42,	4.0	249.96,	8.0	
30 deg:	88.80,	8.0	221.03,	4.0	250.09,	8.0	
35 deg:	77.91,	8.0	213.18,	4.0	249.79,	8.0	
40 deg:	70.34,	8.0	212.47,	4.0	249.50,	8.0	
45 deg:	65.44,	8.0	225.63,	4.0	250.03,	8.0	
50 deg:	61.65,	8.0	250.23,	4.0			
55 deg:	59.48,	8.0	249.99,	4.0			
60 deg:	3.40,	4.0**	34.10,	2.0**	57.16,	8.0	250.14, 4.0
65 deg:	3.40,	4.0**	34.10,	2.0**	54.63,	8.0	249.67, 4.0
70 deg:	3.40,	4.0**	34.10,	2.0**	53.58,	8.0	250.07, 4.0
75 deg:	3.40,	4.0**	34.10,	2.0**	53.66,	8.0	250.24, 4.0
80 deg:	54.18,	8.0	249.86,	4.0			
85 deg:	55.13,	8.0	249.80,	4.0			
90 deg:	3.40,	3.0**	33.00,	1.5**	56.49,	8.0	250.21, 4.0
95 deg:	3.40,	3.0**	33.00,	1.5**	58.23,	8.0	250.27, 4.0
100 deg:	3.40,	3.0**	33.00,	1.5**	60.47,	8.0	249.87, 4.0
105 deg:	3.40,	3.0**	33.00,	1.5**	63.16,	8.0	63.40, 4.0
	64.86,	8.0	249.87,	4.0			
110 deg:	3.40,	3.0**	33.00,	1.5**	68.29,	8.0	250.00, 4.0
115 deg:	72.58,	8.0	249.89,	4.0			
120 deg:	80.26,	8.0	250.11,	4.0			
125 deg:	87.70,	8.0	250.19,	4.0			
130 deg:	96.89,	8.0	171.76,	4.0	173.53,	2.0	174.71, 4.0
	249.81,	2.0					
135 deg:	106.28,	8.0	151.37,	4.0	250.06,	2.0	
140 deg:	117.30,	8.0	136.52,	4.0	249.92,	2.0	
145 deg:	131.36,	8.0	250.21,	2.0			
150 deg:	1.50,	5.0**	28.30,	2.0**	142.27,	8.0	249.90, 2.0
155 deg:	1.50,	5.0**	28.30,	2.0**	151.51,	8.0	250.24, 2.0
160 deg:	1.50,	5.0**	28.30,	2.0**	164.91,	8.0	250.43, 2.0
165 deg:	2.30,	1.5*	4.00,	2.0*	14.30,	3.0*	
	28.30,	2.0*	181.43,	8.0	250.47,	2.0	
170 deg:	2.30,	1.5*	4.00,	2.0*	14.30,	3.0*	
	28.30,	2.0*	206.32,	8.0	250.42,	2.0	
175 deg:	2.30,	1.5*	4.00,	2.0*	14.30,	3.0*	249.51, 8.0
180 deg:	2.30,	1.5*	4.00,	2.0*	14.30,	3.0*	
	33.60,	3.0*	249.54,	8.0			
185 deg:	2.30,	1.5*	4.00,	2.0*	14.30,	3.0*	
	33.60,	3.0*	249.56,	8.0			
190 deg:	1.10,	5.0**	33.60,	3.0**	250.51,	8.0	
195 deg:	5.00,	2.0*	13.10,	3.0*	33.60,	3.0*	
	250.41,	8.0					
200 deg:	5.00,	2.0*	13.10,	3.0*	33.60,	3.0*	
	250.34,	8.0					
205 deg:	5.00,	2.0*	13.10,	3.0*	250.13,	8.0	
210 deg:	5.00,	2.0*	13.10,	3.0*	249.77,	8.0	
215 deg:	5.00,	2.0*	13.10,	3.0*	250.7,	8.0	
220 deg:	5.50,	3.0**	33.90,	2.0**	250.24,	8.0	
225 deg:	5.50,	4.0*	14.00,	3.0*			
	216.50,	8.0	217.17,	4.0	217.70,	8.0	249.88, 4.0
230 deg:	5.50,	4.0*	14.00,	3.0*	33.90,	2.0*	
	193.41,	8.0	249.62,	4.0			
235 deg:	5.50,	4.0*	14.00,	3.0*	184.30,	8.0	249.99, 4.0
240 deg:	5.50,	4.0*	14.00,	3.0*			
	178.31,	8.0	249.89,	4.0			
245 deg:	5.50,	4.0*	14.00,	3.0*			
	175.97,	8.0	250.35,	4.0			
250 deg:	3.00,	3.0**	33.60,	1.5**	176.05,	8.0	249.76, 4.0
255 deg:	2.40,	4.0*	11.10,	3.0*	183.04,	8.0	
260 deg:	2.40,	4.0*	11.10,	3.0*			
	195.4,	8.0	249.62,	4.0			
265 deg:	2.40,	4.0*	11.10,	3.0*	222.57,	8.0	250.02, 4.0
270 deg:	2.40,	4.0*	11.10,	3.0*			
	249.96,	8.0					
275 deg:	1.00,	5.0**	34.40,	3.0**			
	250.30,	8.0					
280 deg:	1.00,	5.0**	34.40,	3.0**	250.36,	8.0	
285 deg:	1.00,	5.0**	34.40,	3.0**	250.00,	8.0	
290 deg:	1.00,	5.0**	34.40,	3.0**	249.84,	8.0	
295 deg:	250.13,	8.0					
300 deg:	249.92,	8.0					
305 deg:	250.41,	8.0					



## WMPS Conductivity Tabulation.TXT

310 deg:	250.03,	8.0
315 deg:	249.85,	8.0
320 deg:	249.82,	8.0
325 deg:	250.08,	8.0
330 deg:	249.96,	8.0
335 deg:	249.85,	8.0
340 deg:	249.68,	8.0
345 deg:	250.34,	8.0
350 deg:	250.09,	8.0
355 deg:	249.88,	8.0

## FIELD INTENSITY MEASUREMENTS

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

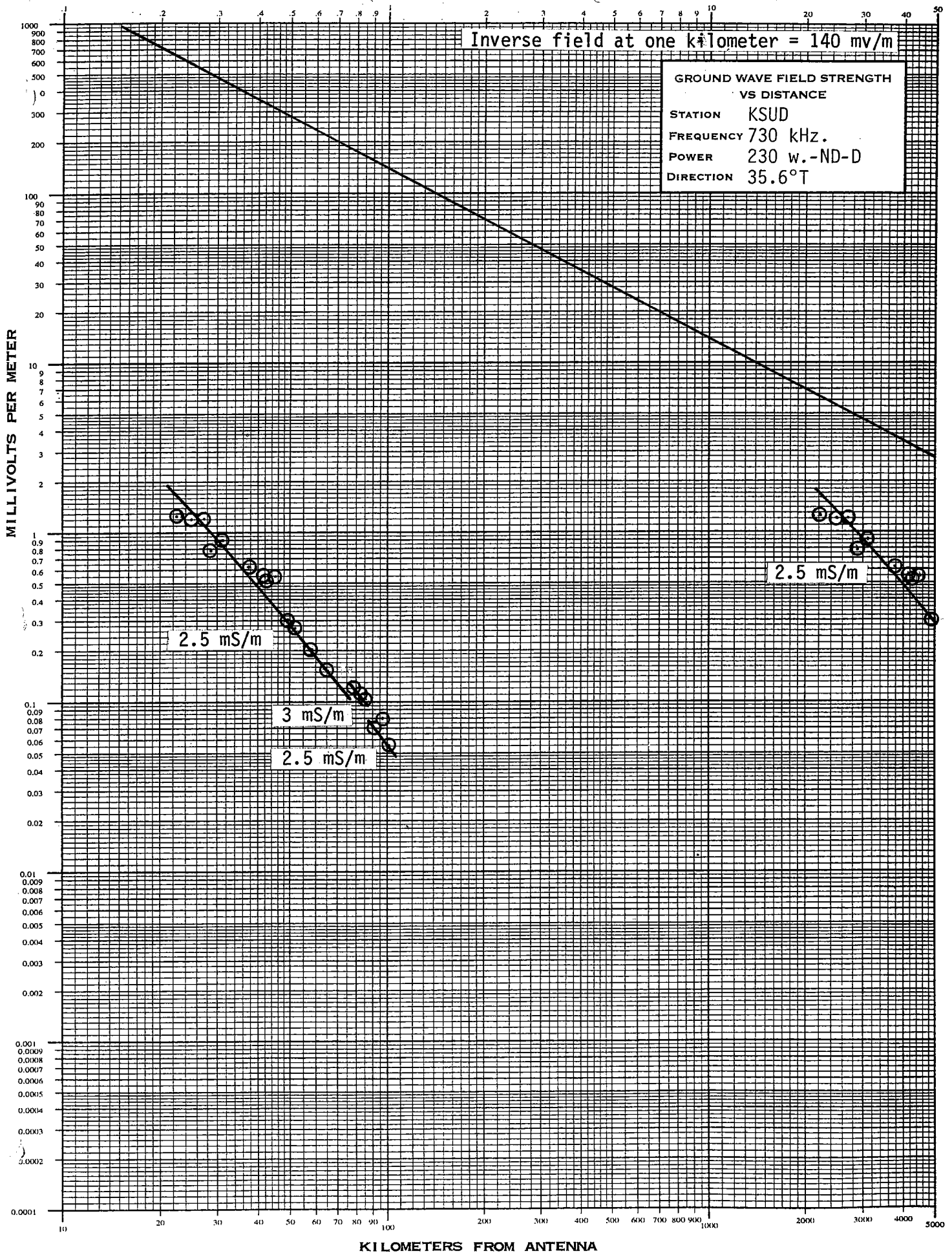
POWER 230 W. NDA POWER DA-D ☐ DA-N ☐ DA-1 ☐

FREQUENCY 730 KHZ ENGINEER Rob Herring

FIELD INTENSITY METER FIM-41 #1209 CAL 07-08-82

110 COUNTY RD. 146, RFD # 1  
TRUMANSBURG, NEW YORK 14886

[illegible]



## FIELD INTENSITY MEASUREMENTS

STATION/CLIENT KSUD RADIAL 55.6 °T

POWER 230 W. NDA POWER \_\_\_\_\_ DA-D ☐ DA-N ☐ DA-I ☐  
FREQUENCY 730 KHZ ENGINEER A: James Stanford  
B: Rob Herring

FIELD INTENSITY METER FIM-41 #1209 CAL 07-08-82

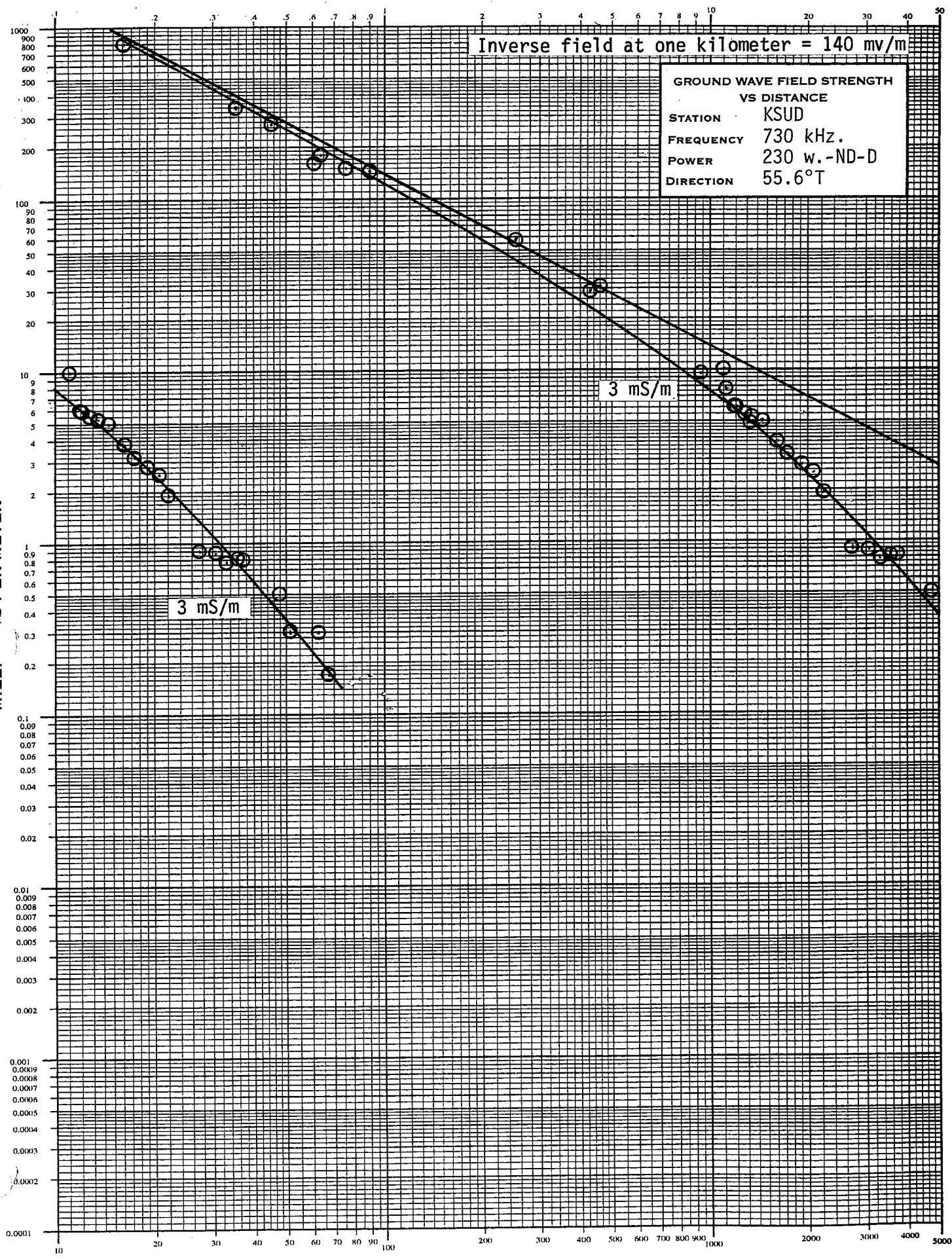
[illegible]

KILOMETERS FROM ANTENNA

Inverse field at one kilometer = 140 mv/m

GROUND WAVE FIELD STRENGTH  
VS DISTANCE  
STATION KSUD  
FREQUENCY 730 kHz.  
POWER 230 w.-ND-D  
DIRECTION 55.6°T

MILLI TS PER METER



### FIELD INTENSITY MEASUREMENTS

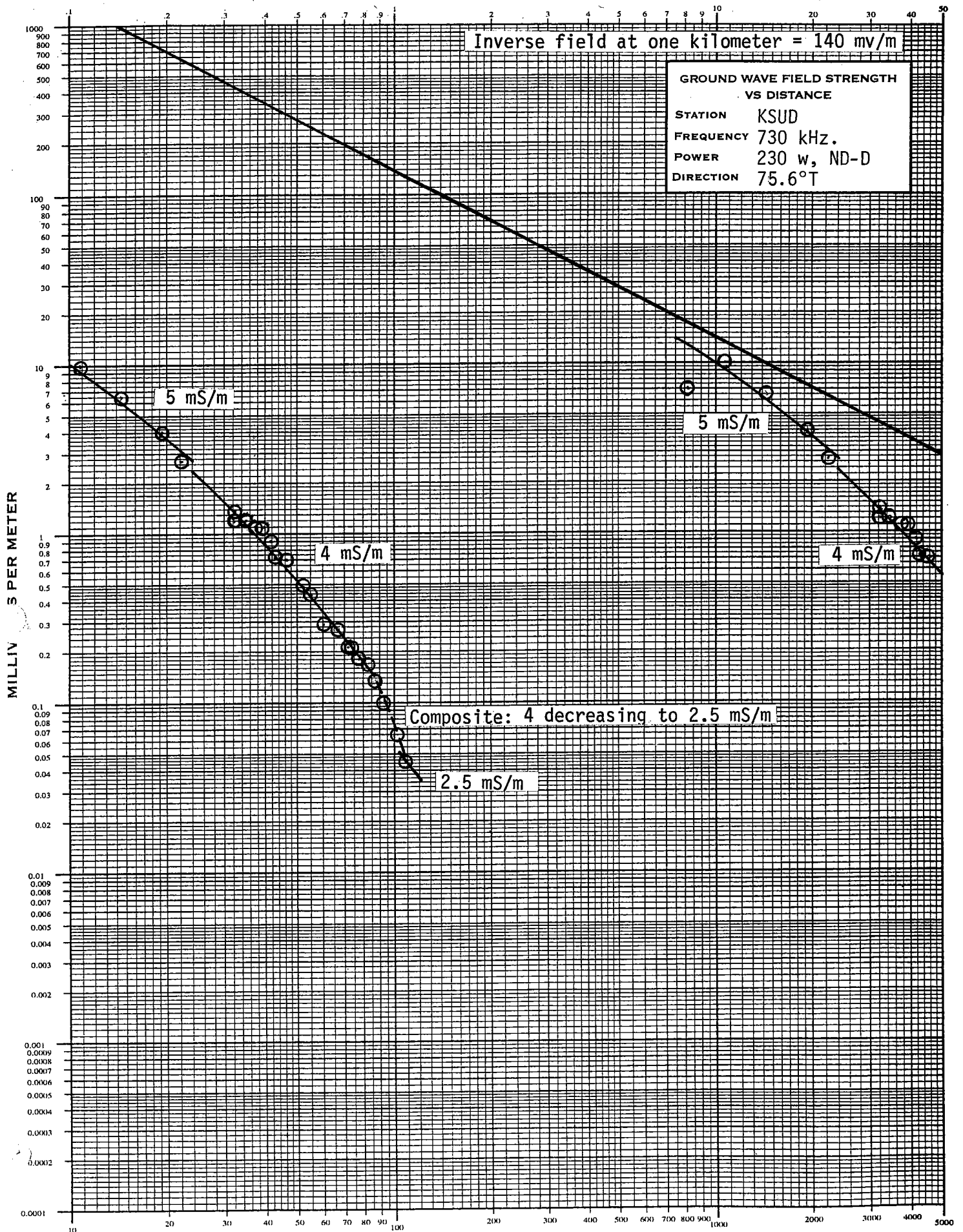
STATION/CLIENT KSUD RADIAL 75.6 °T

POWER 230 W. NDA POWER \_\_\_\_\_ DA-D ☐ DA-N ☐ DA-1 ☐  
8/97: James Stanford  
FREQUENCY 730 KHZ ENGINEER 9/97: Rob Herring  
10/97: Rob Herring  
FIELD INTENSITY METER FIM-41 #1209 CAL 07-08-82

110 COUNTY RD. 146, RFD # 1  
TRUMANSBURG, NEW YORK 14886

[illegible]

KILOMETERS FROM ANTENNA



## FIELD INTENSITY MEASUREMENTS



INDEPENDENT BROADCAST  
CONSULTANTS, INC.

STATION/CLIENT KSUD RADIAL 132 °T

POWER 230 W. NDA POWER \_\_\_\_\_ DA-D ☐ DA-N ☐ DA-1 ☐

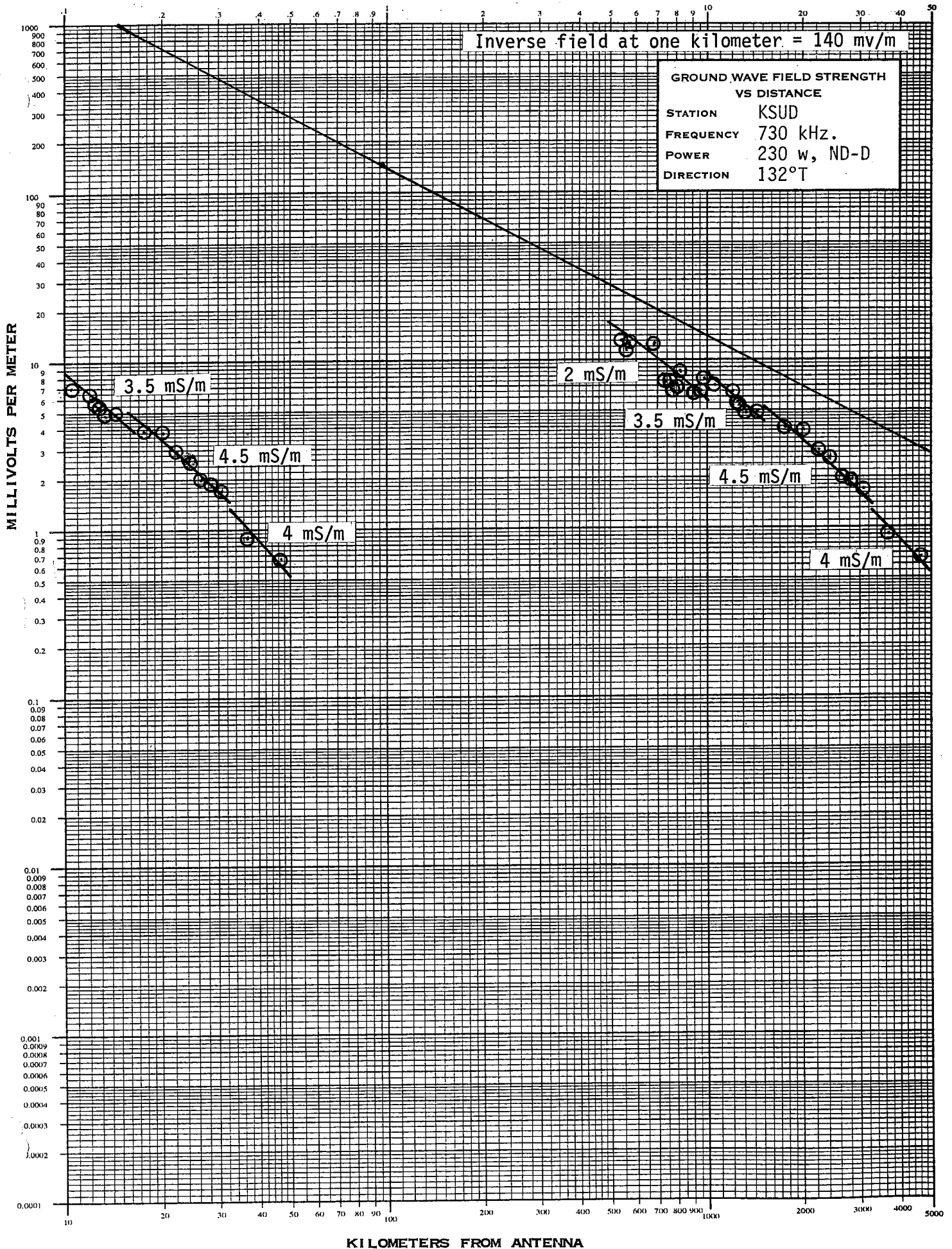
FREQUENCY 730 KHZ ENGINEER Rob Herring

FIELD INTENSITY METER FIM-41 #1209 CAL 07-08-82

110 COUNTY RD. 146, RFD # 1  
TRUMANSBURG, NEW YORK 14886

[illegible]





110 COUNTY RD. 146, TRUMANSBURG, NY 14886-9721  
TEL: (607) 273-2970 • FAX: (607) 273-5125

## FIELD INTENSITY MEASUREMENTS

STATION KSUD RADIAL 195 °T

POWER 250 W NDA \_\_\_\_\_ POWER \_\_\_\_\_ DA-D ☐ DA -N ☐ DA -I ☐

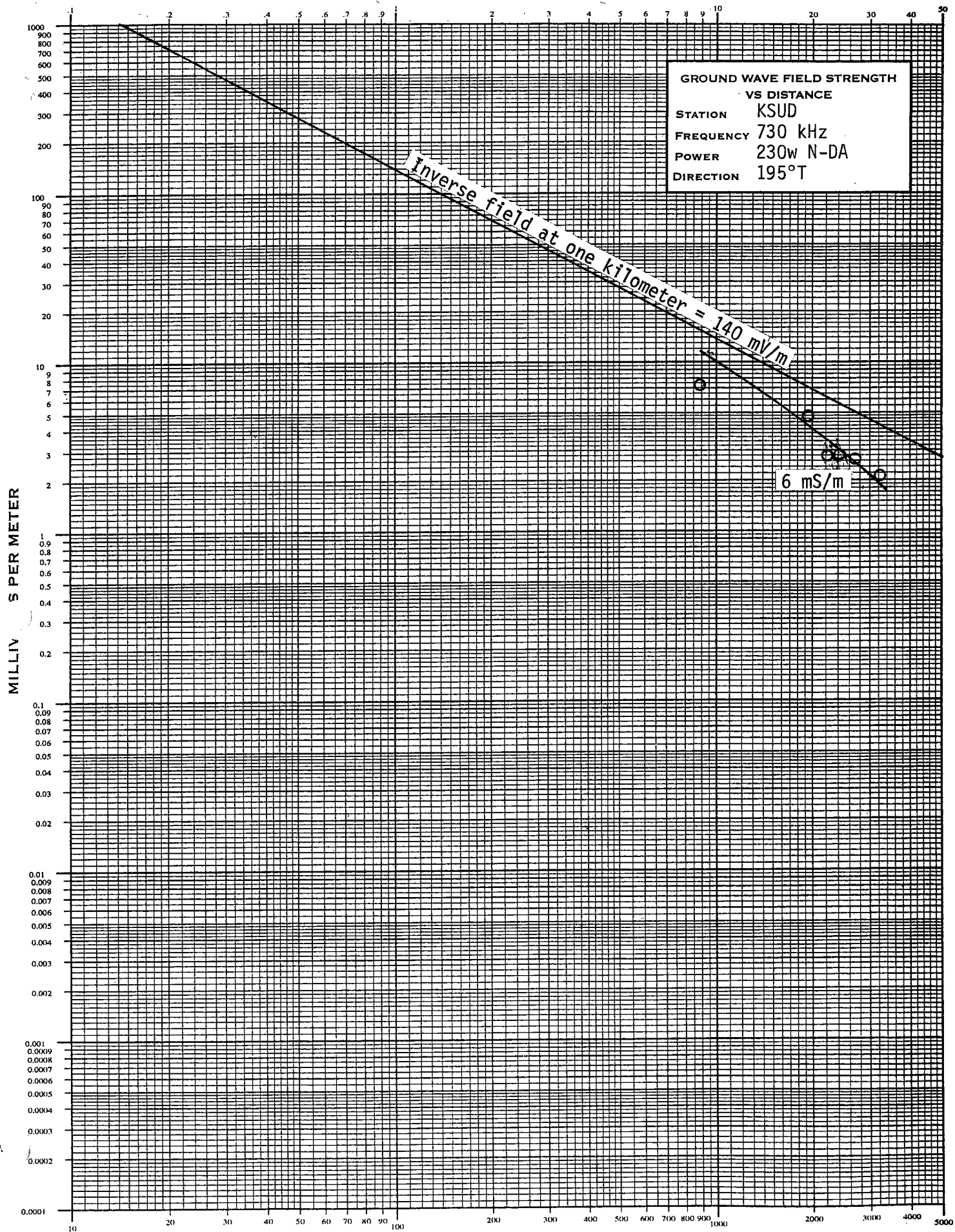
FREQUENCY 730 KHZ ENGINEER Ron Eudaly

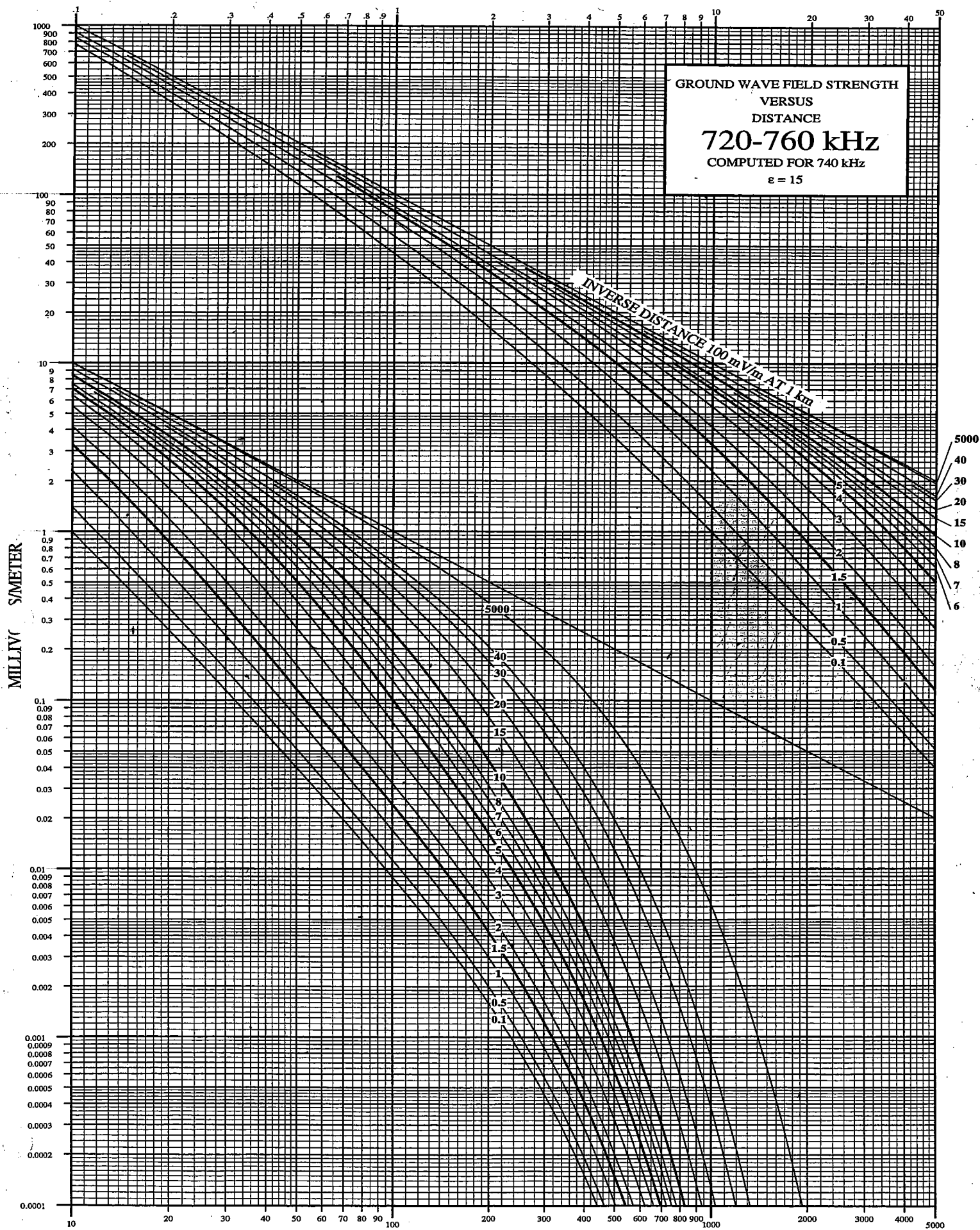
FIELD INTENSITY METER FIM-41 #2039 CAL06/13/2000

FIELD INTENSITY METER \_\_\_\_\_ CAL \_\_\_\_\_

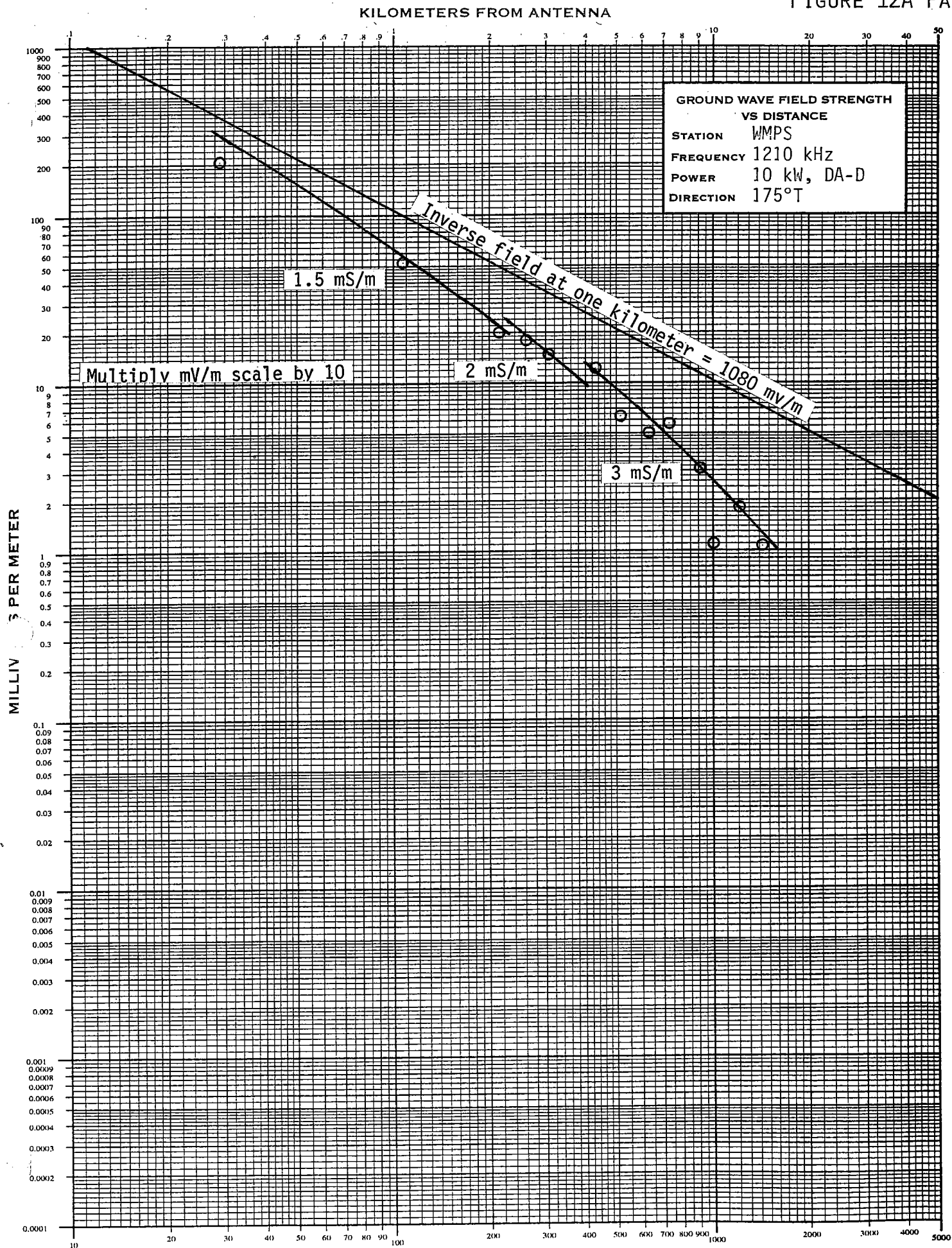
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KILOMETERS FROM ANTENNA





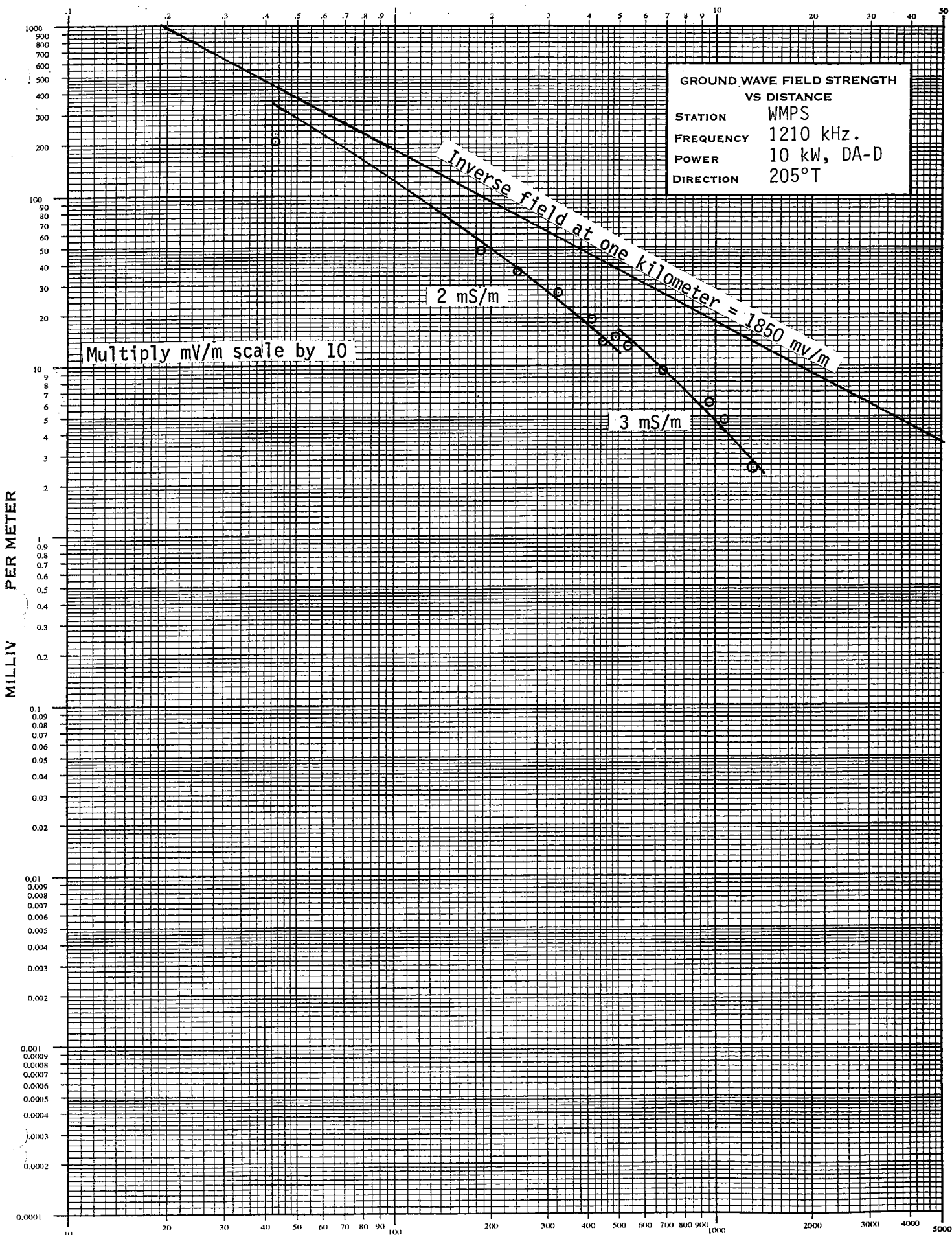
[illegible]







KILOMETERS FROM ANTENNA





## FIELD INTENSITY MEASUREMENTS

STATION WMPS RADIAL 235 °T

POWER \_\_\_\_\_ NDA \_\_\_\_\_ POWER 10kW DA-D ☒ DA-N ☐ DA-I ☐

FREQUENCY 1210 KHZ ENGINEER Ron Eudaly

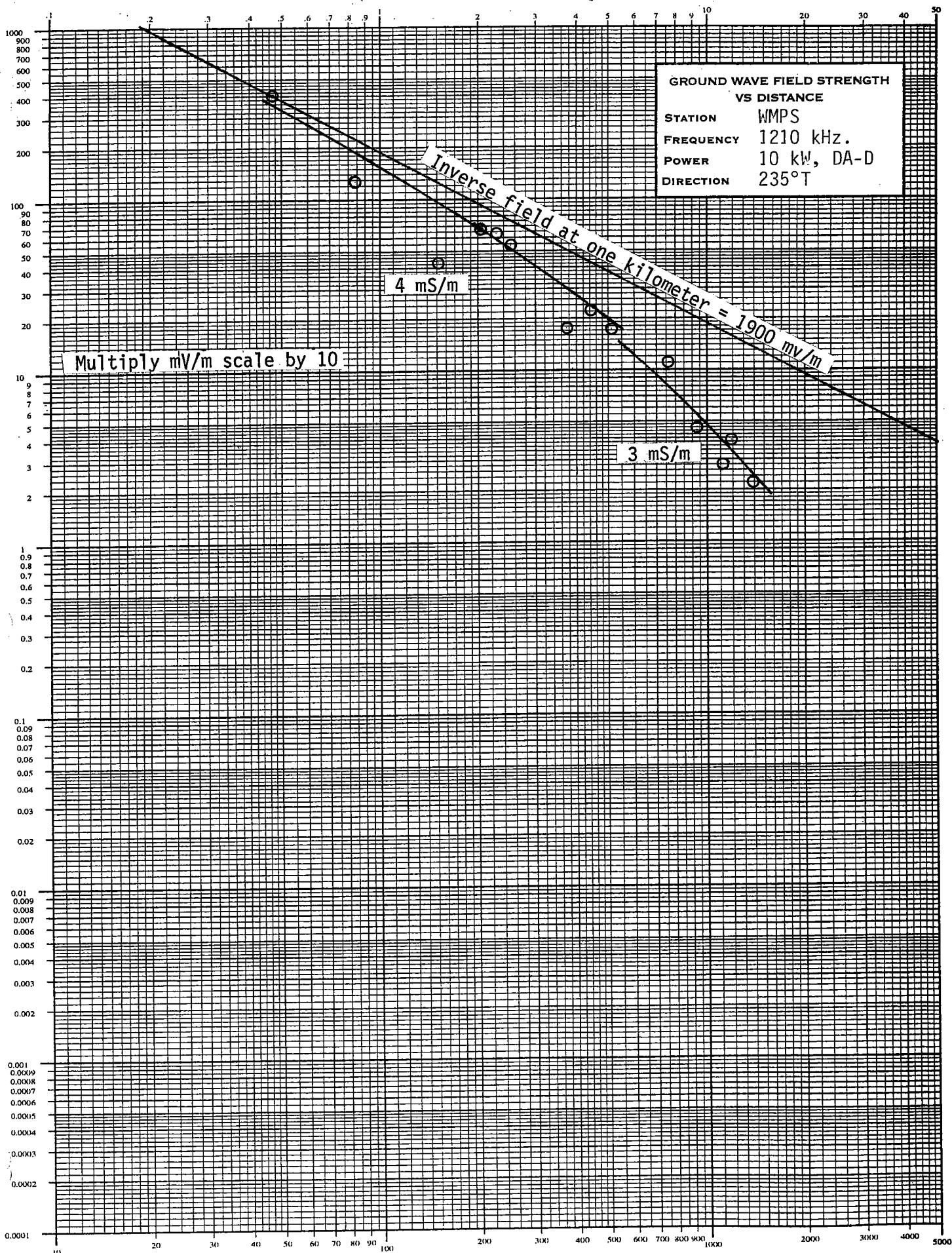
FIELD INTENSITY METER FIM-41 #2039 CAL 06/13/2000

FIELD INTENSITY METER \_\_\_\_\_ CAL \_\_\_\_\_

110 COUNTY RD. 146, TRUMANSBURG, NY 14886-9721  
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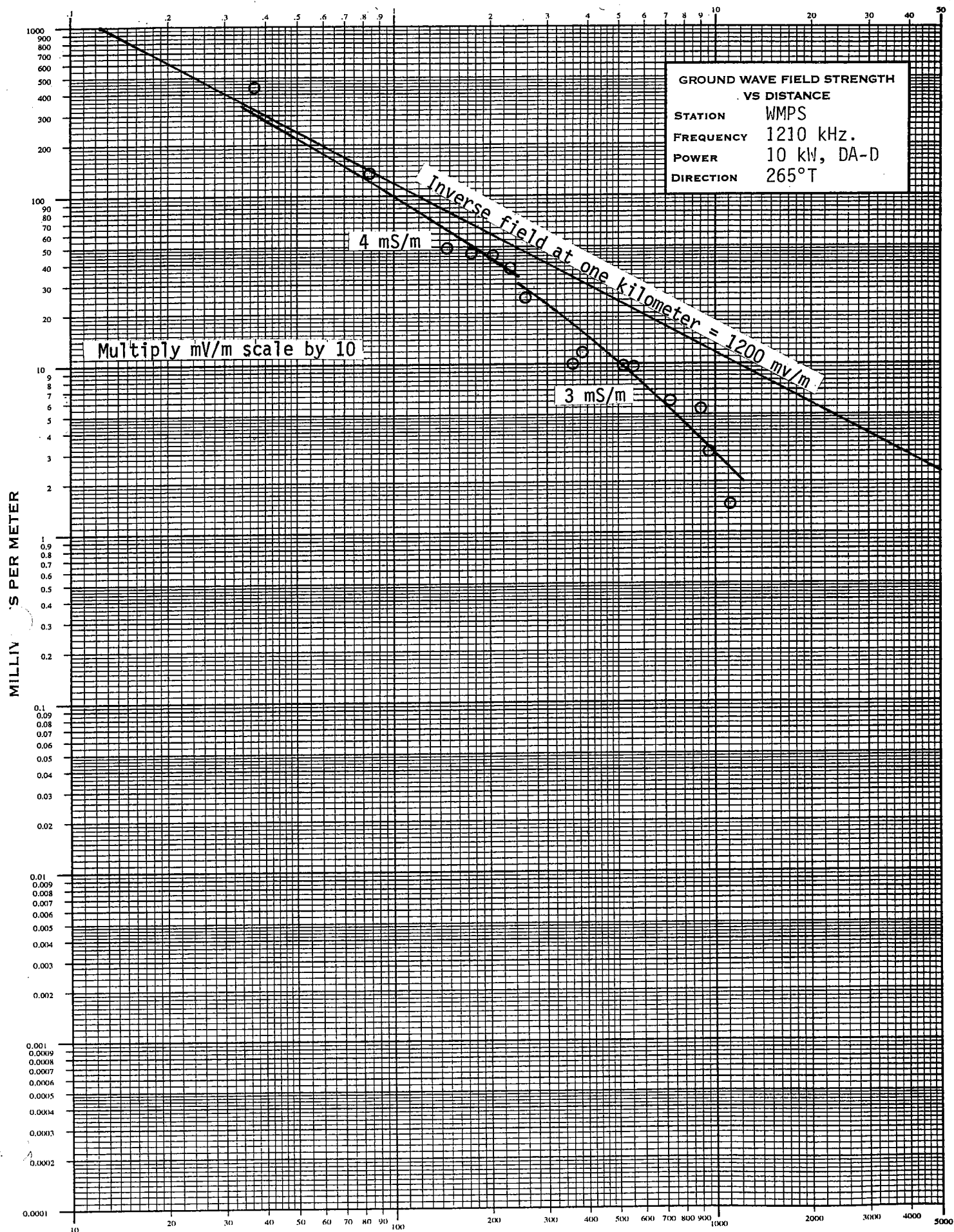
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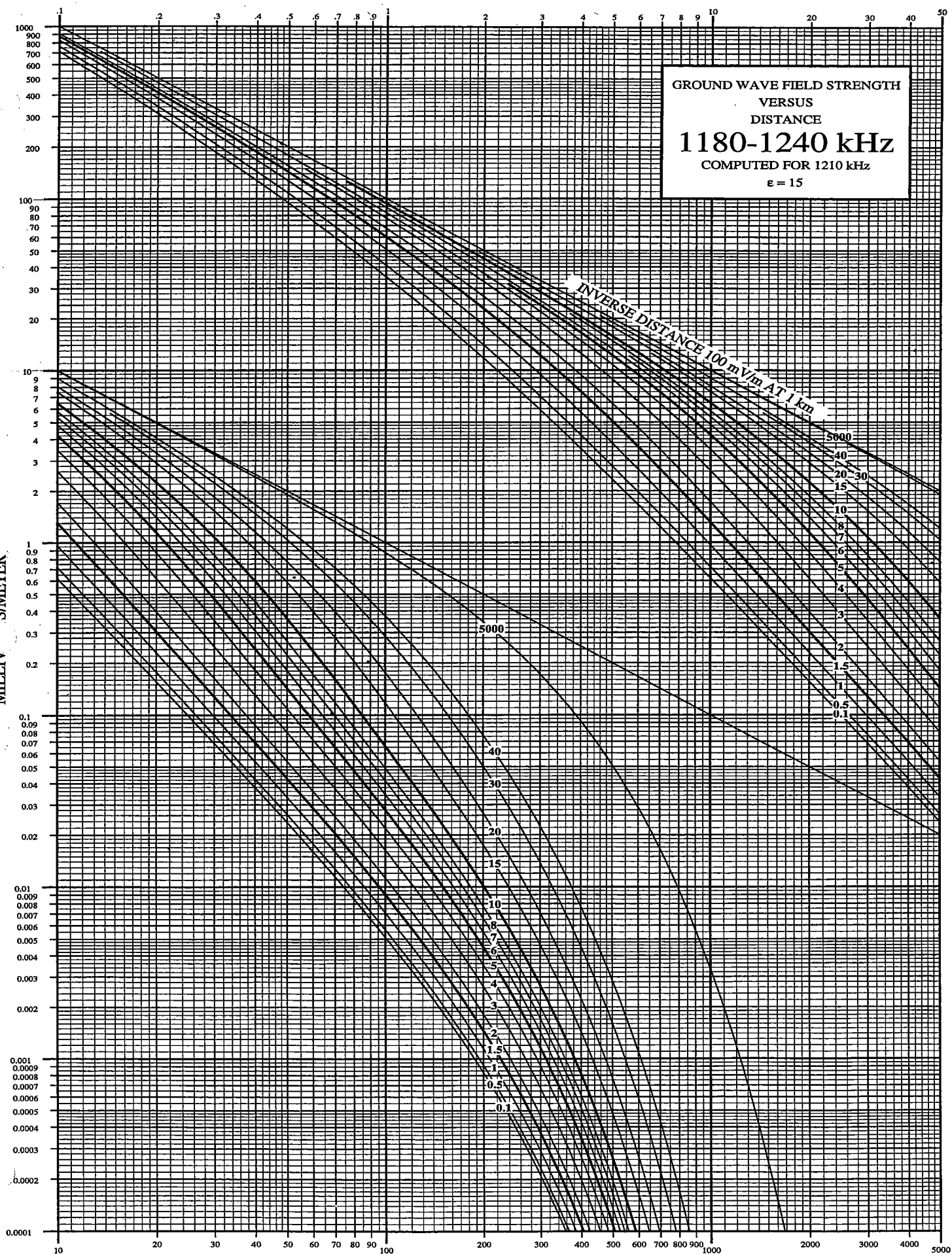
KILOMETERS FROM ANTENNA



[illegible]

KILOMETERS FROM ANTENNA





KILOMETERS FROM ANTENNA

GRAPH 15

INDEPENDENT BROADCAST  
CONSULTANTS, INC.

STATION/CLIENT WJNT RADIAL 5 °T

POWER 50 kW NDA POWER \_\_\_\_\_ DA-D ☐ DA-N ☐ DA-1 ☐

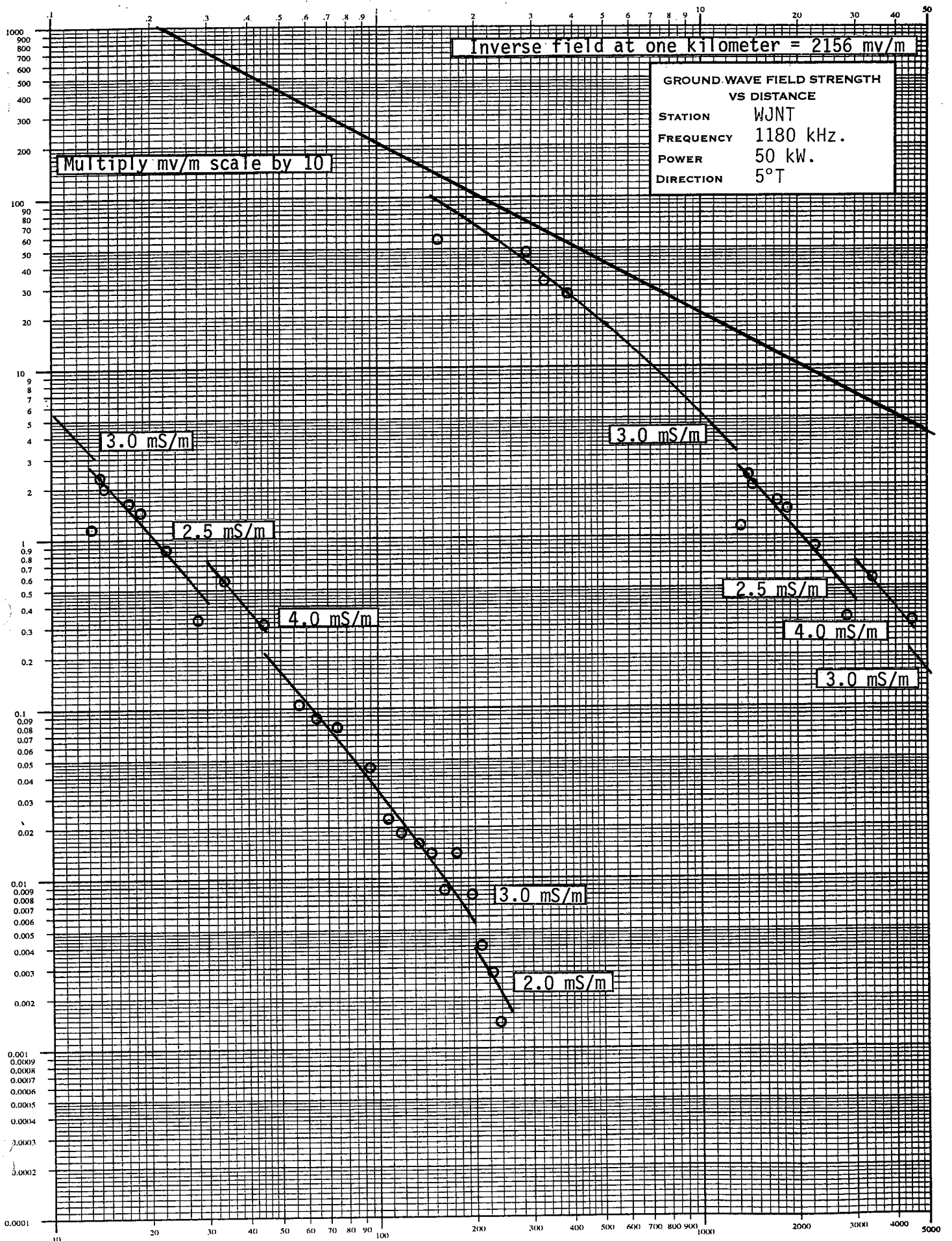
FREQUENCY 1180 KHZ ENGINEER Ron Eudaly

FIELD INTENSITY METER FIM-41/Ser. 2039 CAL 5/11/00

110 COUNTY RD. 146,  
TRUMANSBURG, NEW YORK 14886

[illegible]

KILOMETERS FROM ANTENNA



INDEPENDENT BROADCAST  
CONSULTANTS, INC.

STATION/CLIENT WJNT RADIAL 25°T

POWER 50 kW NDA POWER DA-D ☐ DA-N ☐ DA-I ☐

FREQUENCY 1180 KHZ ENGINEER Ron Eudaly

FIELD INTENSITY METER FIM-41/Ser. 2039 CAL 5/11/00

110 COUNTY RD. 146.  
TRUMANSBURG, NEW YORK 14886

[illegible]



KILOMETERS FROM ANTENNA

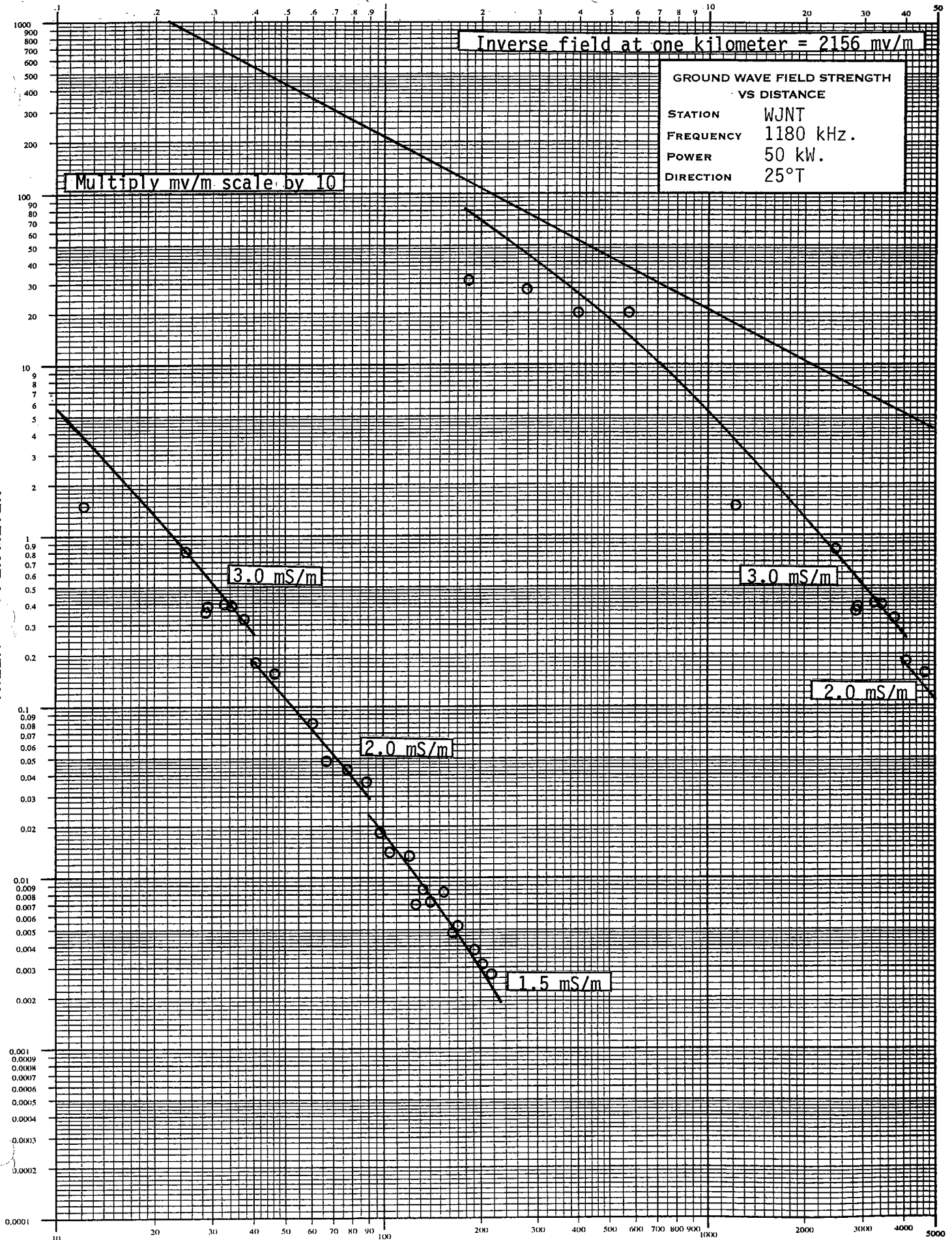
Inverse field at one kilometer = 2156 mv/m

GROUND WAVE FIELD STRENGTH  
VS DISTANCE

STATION WJNT  
FREQUENCY 1180 kHz.  
POWER 50 kW.  
DIRECTION 25°T

Multiply mv/m scale by 10

MILLIVOLTS PER METER



INDEPENDENT BROADCAST  
CONSULTANTS, INC.

STATION/CLIENT WJNT RADIAL 345°T

POWER 50 kW NDA POWER \_\_\_\_\_ DA-D ☐ DA-N ☐ DA-1 ☐

FREQUENCY 1180 KHZ ENGINEER Ron Eudaly

FIELD INTENSITY METER FIM-41/Ser. 2039 CAL 5/11/00

110 COUNTY RD. 146.  
TRUMANSBURG, NEW YORK 14886

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