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ENGINEERING STATEMENT

NEW WAVE COMMUNICATIONS, L.P.

KROD 600 kHz 5.0 kW DA-N-U

El Paso, Texas

APPLICATION FOR DIRECT MEASUREMENT OF POWER

(Amendment of Field Intensity Measurement Data
Requested by FCC Staff Letter 25 June 1997)

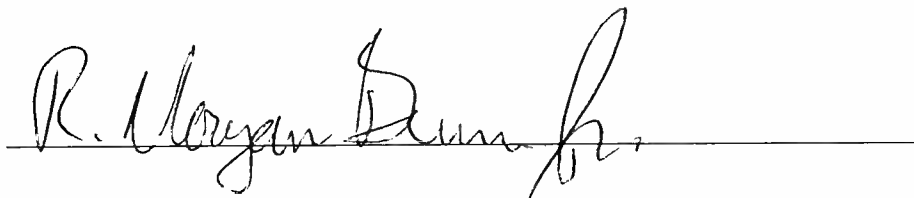
FCC File BL-960306AC

03 November 1997

DECLARATION OF ENGINEER

R. Morgan Burrow, Jr., declares and states that he is a graduate telecommunications consulting engineer (BSEE, University of Maryland, 1981), whose qualifications and experience are known to the Federal Communications Commission. His firm, R. Morgan Burrow, P.E. and Associates, P.C., has been retained by New Wave Communications, L.P., licensee of standard broadcast station KROD, 600 kHz 5.0 kW DA-N-U, El Paso, Texas, to prepare this engineering amendment in support of an application for direct measurement of power.

Mr. Burrow further states that the various measurements, computations, and exhibits associated with the engineering statement were made or prepared by him personally with the assistance of Ron Haney, Chief Engineer of KROD and KLAQ-FM in El Paso, Texas, under his direct supervision. Mr. Burrow is a registered professional engineer in the state of Maryland, the Commonwealth of Virginia, and the District of Columbia. Declarant further states that all facts contained herein are true of his own knowledge, and, as to those facts, he believes them to be true. He believes under penalty of perjury the foregoing is true and correct.



Executed on this the 3rd day of November, 1997.

NEW WAVE COMMUNICATIONS, L.P.
KROD 600 kHz 5.0 kW DA-N-U
El Paso, Texas

ENGINEERING AMENDMENT TO APPLICATION FOR
DIRECT MEASUREMENT OF POWER

Narrative Statement

A. GENERAL:

KROD is licensed to operate on 600 kHz unlimited time with 5.0 kilowatts of power using a non-directional antenna during daytime hours and a four-tower directional antenna during nighttime hours. This amendment supplies supplemental non-directional field intensity measurement data requested in the Commission staff's 25 June 1997 letter to KROD. The measurement tabulation and graphical analysis exhibits for all of the measured radials (Exhibits 1-16 A,B,&C) herein supersede the tabulations and plots contained in the 31 October 1995 application for direct measurement of power. A new tabulation and plot for the nighttime measured pattern (Figures 19-A & 19-B) supersedes the corresponding figures in the October 1995 document. Since this material is submitted in response to Commission correspondence, a new FCC Form 302 is not required.

B. SUPPLEMENTARY NON-DIRECTIONAL MEASUREMENTS

The Commission staff's letter requested additional non-directional measurements on all of KROD's proof bearings. It should be noted that the earlier 1979 proof (see FCC file BL-790705AC) was filed in support of construction permit BP-21,213 and was accepted at that time by the Commission staff. The measurement points used in the 1995 proof include virtually all of the points used in the earlier 1979 proof. The 1995 proof also supported a separate application (BP-951207AC) to augment KROD's N-280.5 degree bearing. A supplemental amendment to BP-951207AC is provided under separate cover to augment three additional bearings to conform the application for direct measurement of power.

The supplemental close-in measurement data requested by the is shown on the tabulation data sheets for each measurement bearing. In order not to upset the point numbering for the locations shown in KROD's 1995 submission, the new close-in data points are denoted with a "C" prefix preceding the close-in point number.

The supplemental non-directional measurements were made by Ronald D. Haney, chief engineer of KROD and KLAQ-FM. GPS techniques and 7.5 minute quadrangle maps were used to determine the location of the measurement points. Many of the supplemental measurement points are located on private or government-controlled property (Ft. Bliss in particular) and access to some measurement areas was by prior appointment or clearance.

C. ANALYSIS OF FIELD INTENSITY MEASUREMENT DATA

The 1995 non-directional measurements and the 1997 measurements were combined and replotted on log-log graphs for analysis. The 1979 non-directional inverse fields were to evaluate the combined non-directional data with good results. For consistency, the corresponding directional data was replotted and analyzed using Graph 3-A of the standard curve set. Modified FCC software ("GENFILE") was used to plot the data points and generate the standard curves used for the analysis; the output directed to a PostScript printer.

The measured pattern provided in revised Figure 19-A and 19-B reflects the inverse fields tabulated for nighttime directional operation as shown in the tabulations.

The undersigned believes that all of the data requested by the Commission staff letter is contained herein and no further information is required to conform KROD's application for direct measurement of power and confirm the requirement for augmentation of the bearings contained in the amended application to modify KROD's construction permit.

CONCLUSION:

The undersigned believes that the additional data requested in the Commission's letter is satisfied with this submission and no further information is required to conform this application.


R. Morgan Burrow, Jr., P.E.
Maryland Registration No. 15811



Executed this the 3rd day of November, 1997.

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 5.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1300.000	-
C2	0.39	0.63	-	900.000	-
C3	0.50	0.80	-	560.000	-
C4	0.65	1.05	-	540.000	-
C5	0.75	1.21	-	520.000	-
C6	0.80	1.29	-	495.000	-
C7	0.91	1.46	-	409.000	-
C8	1.00	1.61	-	380.000	-
C9	1.10	1.77	-	339.000	-
C10	1.20	1.93	-	338.000	-
C11	1.30	2.09	-	298.000	-
C12	1.40	2.25	-	270.000	-
C13	1.50	2.41	-	258.000	-
C14	1.61	2.59	-	242.000	-
C15	1.70	2.74	-	235.000	-
C16	1.79	2.88	-	211.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 684.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

TABULATION OF FIELD INTENSITY MEASUREMENTS

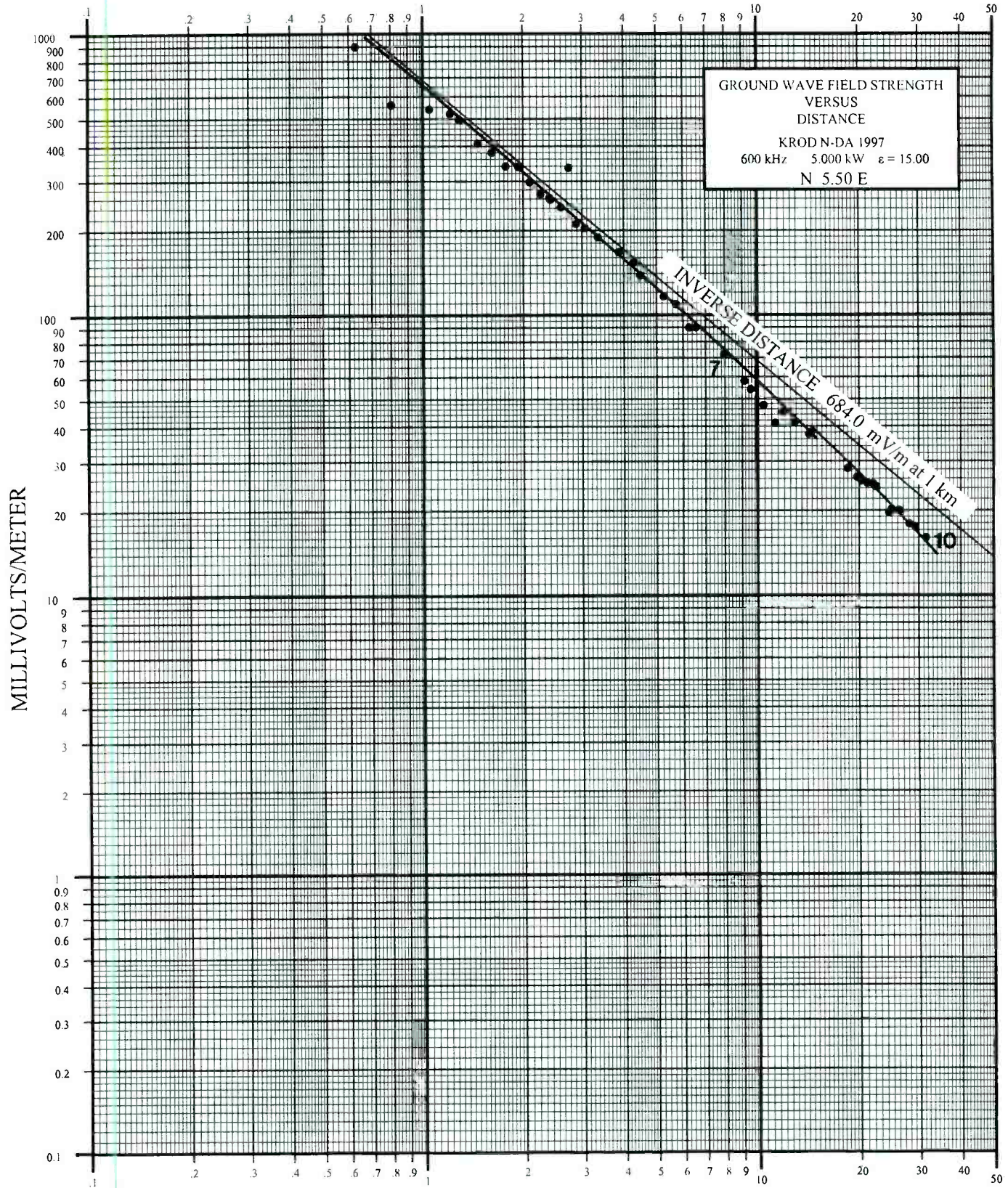
BEARING IN DEGREES 5.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.49	2.40	215.000	262.000	0.821
2	1.90	3.06	169.000	204.000	0.828
3	2.08	3.35	153.000	189.000	0.810
4	2.40	3.86	138.000	167.000	0.826
5	2.65	4.26	125.000	153.000	0.817
6	2.78	4.47	113.000	138.000	0.819
7	3.27	5.26	96.000	116.000	0.828
8	3.55	5.71	87.900	109.000	0.806
9	3.89	6.26	72.500	90.000	0.806
10	4.07	6.55	71.900	90.000	0.799
11	4.94	7.95	58.100	72.000	0.807
12	5.67	9.12	45.200	57.800	0.782
13	5.92	9.53	42.500	54.100	0.786
14	6.46	10.40	38.500	47.500	0.811
15	7.00	11.27	32.900	41.000	0.802
16	7.38	11.88	35.900	45.000	0.798
17	8.01	12.89	33.700	41.500	0.812
18	8.82	14.19	30.800	37.500	0.821
19	8.94	14.39	30.800	38.000	0.811
20	11.49	18.49	22.900	28.300	0.809
21	12.24	19.70	20.800	26.300	0.791
22	12.62	20.31	20.800	25.500	0.816
23	13.13	21.13	20.250	25.000	0.810
24	13.65	21.97	20.000	24.900	0.803
25	13.94	22.43	19.500	24.300	0.802
26	15.24	24.53	16.400	19.600	0.837
27	15.51	24.96	16.900	20.200	0.837
28	16.31	26.25	16.100	20.000	0.805
29	17.50	28.16	14.700	17.900	0.821
30	18.20	29.29	14.100	17.500	0.806
31	19.59	31.53	12.600	16.000	0.788

THE AVERAGE RATIO IS : 0.810

INVERSE FIELD = 0.810 * 684.0 = 554.0 MV/M

KILOMETERS FROM ANTENNA



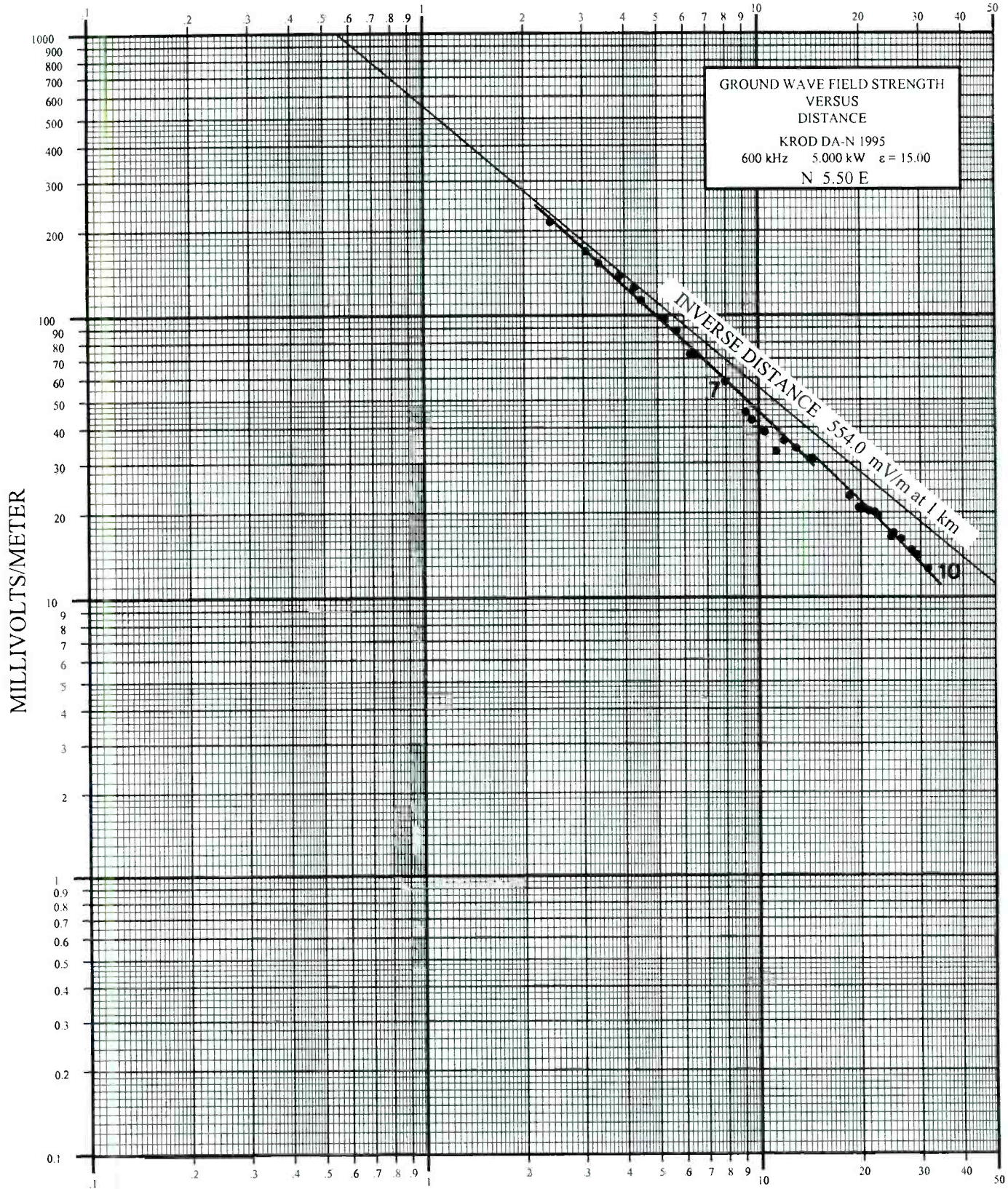
N-DA RADIAL N-5.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 1-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-5.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 1-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 25.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	LOG 10 RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1100.000	-
C2	0.39	0.63	-	795.000	-
C3	0.50	0.80	-	780.000	-
C4	0.66	1.06	-	465.000	-
C5	0.79	1.27	-	500.000	-
C6	0.91	1.46	-	410.000	-
C7	0.99	1.59	-	385.000	-
C8	1.11	1.79	-	348.000	-
C9	1.15	1.85	-	335.000	-
C10	1.20	1.93	-	288.000	-
C11	1.30	2.09	-	282.000	-
C12	1.34	2.16	-	269.000	-
C13	1.40	2.25	-	209.000	-
C14	1.50	2.41	-	264.000	-
C15	1.61	2.59	-	238.000	-
C16	1.70	2.74	-	223.000	-
C17	1.79	2.88	-	208.000	-
C18	1.90	3.06	-	185.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 635.7 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

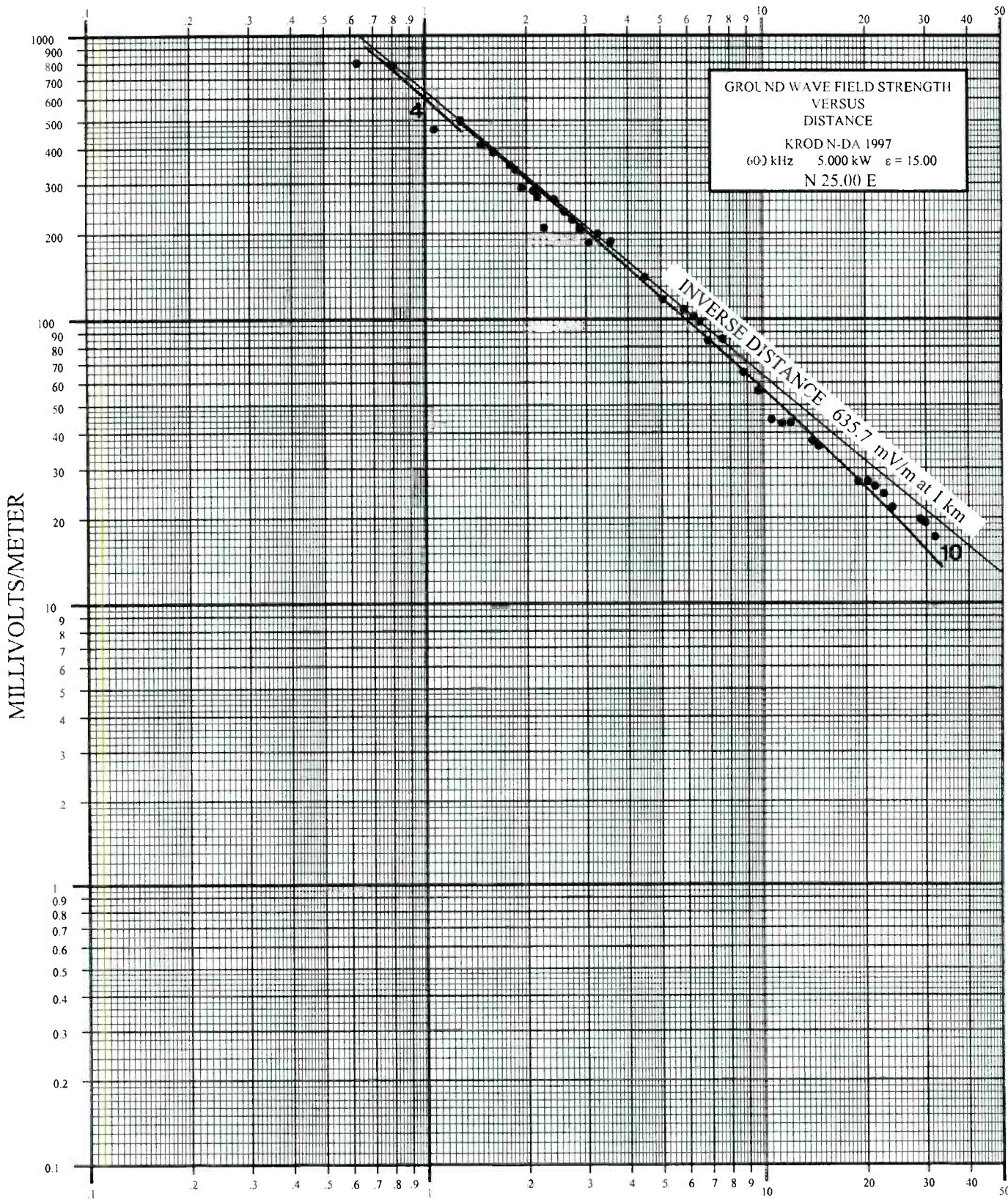
TABULATION OF FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 25.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	2.02	3.25	116.000	199.000	0.583
2	2.21	3.56	112.000	187.000	0.599
3	2.78	4.47	84.500	140.000	0.604
4	3.15	5.07	70.000	117.000	0.598
5	3.63	5.84	63.900	108.000	0.592
6	3.89	6.26	61.800	102.000	0.606
7	4.04	6.50	55.800	97.500	0.572
8	4.28	6.89	51.500	84.000	0.613
9	4.72	7.60	50.100	85.000	0.589
10	5.43	8.74	38.900	65.000	0.598
11	6.00	9.66	33.000	56.100	0.588
12	6.58	10.59	26.400	44.500	0.593
13	7.06	11.36	25.600	43.000	0.595
14	7.49	12.05	25.900	43.200	0.600
15	8.67	13.95	22.500	37.500	0.600
16	9.03	14.53	21.200	35.800	0.592
17	11.76	18.93	16.900	26.900	0.628
18	12.59	20.26	16.500	26.900	0.613
19	13.20	21.24	15.800	25.800	0.612
20	13.99	22.51	14.700	24.300	0.605
21	14.83	23.87	13.300	21.800	0.610
22	17.86	28.74	11.700	19.800	0.591
23	18.53	29.82	11.300	19.200	0.589
24	19.75	31.78	10.600	17.100	0.620

THE AVERAGE RATIO IS : 0.600

INVERSE FIELD = 0.600 * 635.7 = 381.4 MV/M

KILOMETERS FROM ANTENNA



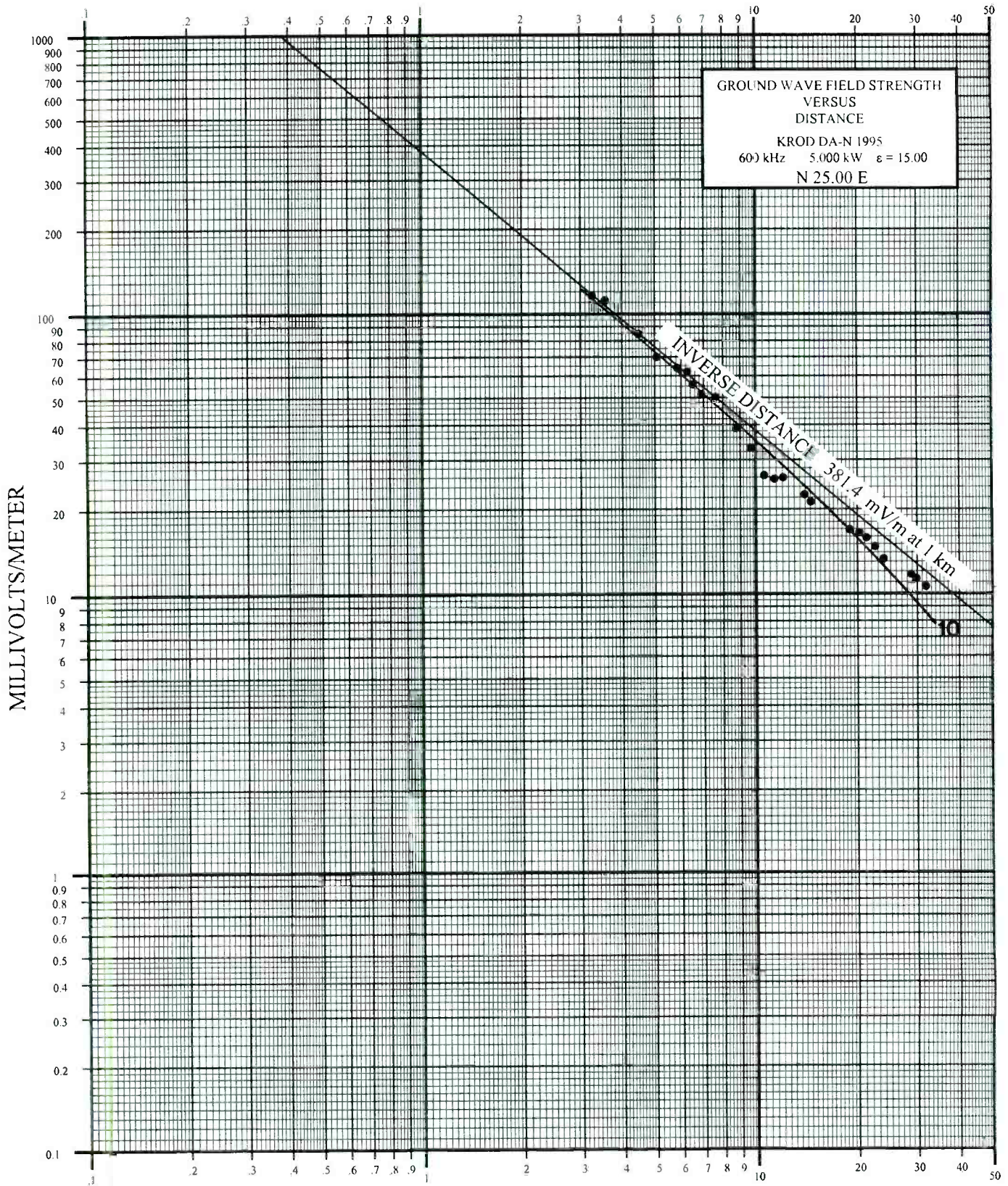
N-DA RADIAL N-25.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 2-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-25.0 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 2-C
November 1997

KROD RADIO
 El Paso, Texas
SEPTEMBER 1997
 CLOSE IN FIELD INTENSITY MEASUREMENTS
 BEARING IN DEGREES 44.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	970.000	-
C2	0.41	0.66	-	920.000	-
C3	0.49	0.79	-	715.000	-
C4	0.60	0.97	-	595.000	-
C5	0.72	1.16	-	542.000	-
C6	0.81	1.30	-	450.000	-
C7	0.89	1.43	-	385.000	-
C8	1.00	1.61	-	362.000	-
C9	1.12	1.80	-	348.000	-
C10	1.19	1.92	-	360.000	-
C11	1.30	2.09	-	309.000	-
C12	1.40	2.25	-	279.000	-
C13	1.50	2.41	-	264.000	-
C14	1.60	2.57	-	241.000	-
C15	1.71	2.75	-	225.000	-
C16	1.80	2.90	-	214.000	-
C17	1.90	3.06	-	198.000	-
C18	2.00	3.22	-	192.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 667.9 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

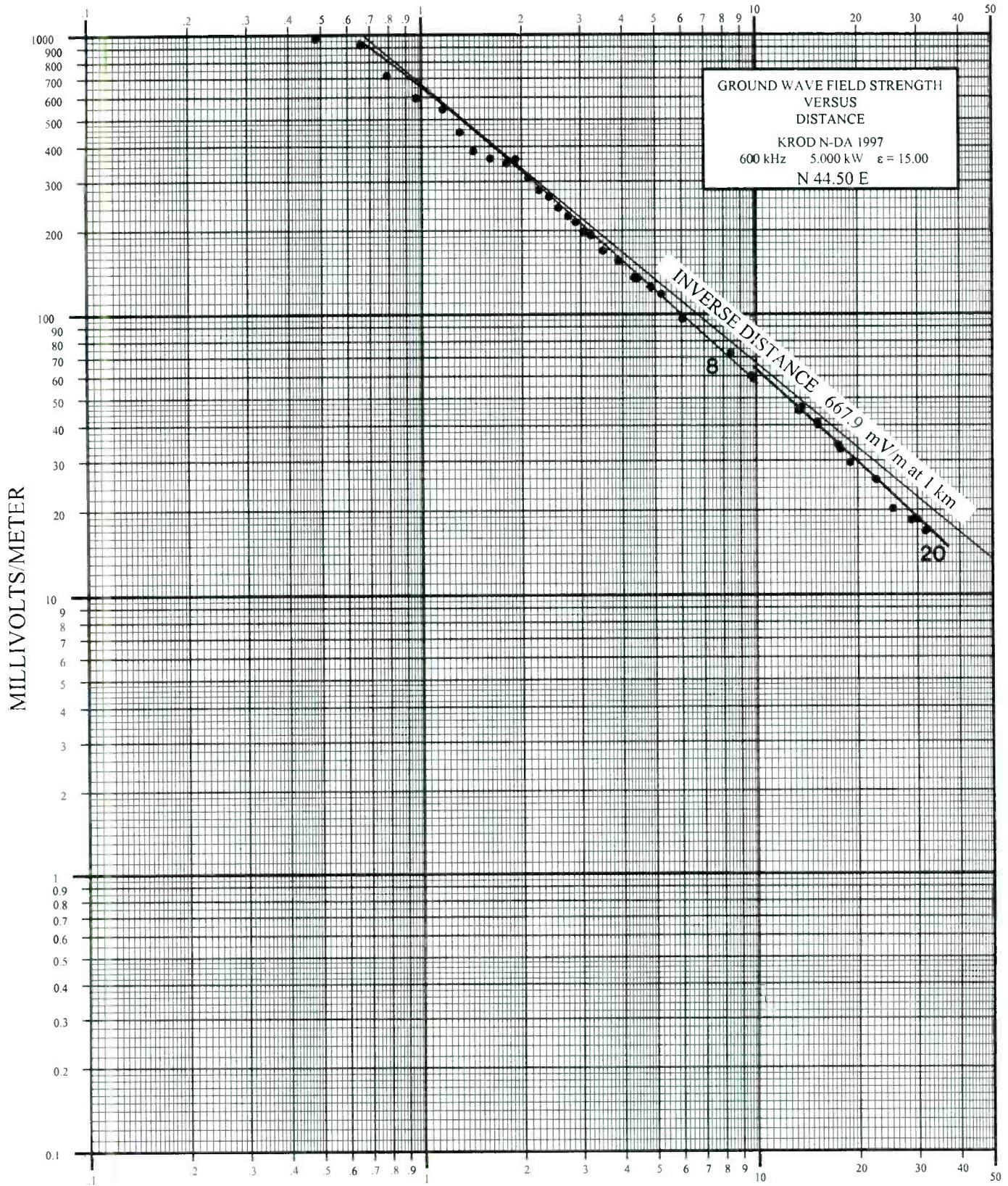
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 44.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	2.17	3.49	18.500	169.000	0.109
2	2.41	3.88	11.200	156.000	0.072
3MP	2.69	4.33	14.200	135.000	0.105
4	2.76	4.44	12.200	135.000	0.090
5	3.02	4.86	12.100	125.000	0.097
6	3.24	5.21	10.600	118.000	0.090
7	3.75	6.04	10.100	96.000	0.105
8	5.22	8.40	7.900	72.200	0.109
9	6.01	9.67	5.020	60.000	0.084
10	6.10	9.82	6.200	58.500	0.106
11	8.31	13.37	4.690	45.000	0.104
12	8.46	13.62	4.800	46.200	0.104
13	9.45	15.21	3.980	41.000	0.097
14	9.48	15.26	3.950	40.100	0.099
15	10.90	17.54	3.050	34.000	0.090
16	11.04	17.77	2.950	32.900	0.090
17	11.81	19.01	2.910	29.500	0.099
18	14.12	22.72	2.530	25.600	0.099
19	15.79	25.41	2.820	20.200	0.140
20	17.90	28.81	1.630	18.400	0.089
21	18.66	30.03	1.600	18.500	0.086
22	19.67	31.66	1.540	16.800	0.092
23	19.95	32.11	1.550	17.000	0.091

THE AVERAGE RATIO IS : 0.098

INVERSE FIELD = 0.098 * 667.9 = 65.5 MV/M

KILOMETERS FROM ANTENNA



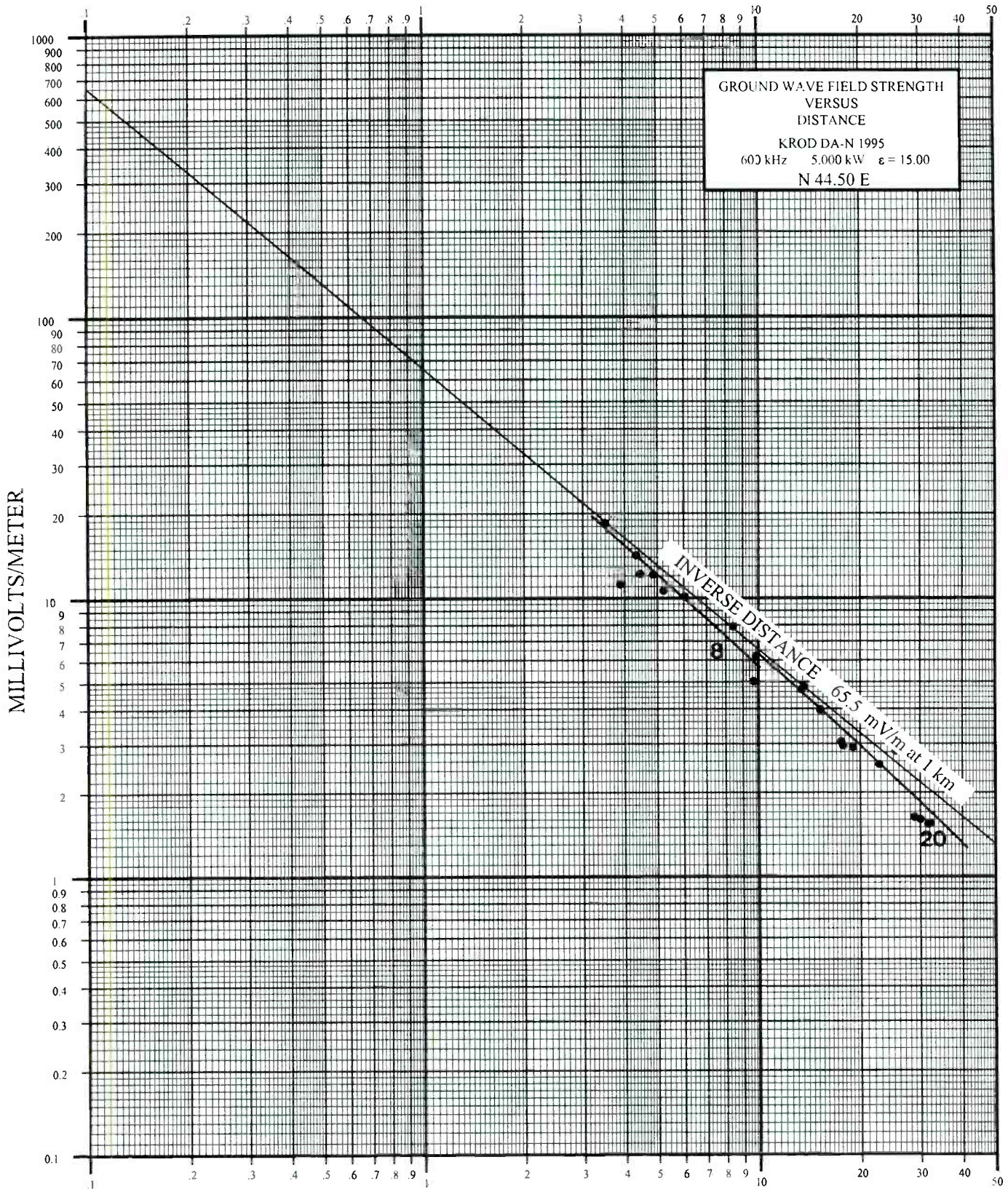
N-DA RADIAL N-44.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 3-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-44.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 3-C
November 1997**

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 59.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1080.000	-
C2	0.40	0.64	-	840.000	-
C3	0.50	0.80	-	675.000	-
C4	0.60	0.97	-	558.000	-
C5	0.71	1.14	-	530.000	-
C6	0.78	1.26	-	500.000	-
C7	0.91	1.46	-	400.000	-
C8	1.00	1.61	-	403.000	-
C9	1.11	1.79	-	360.000	-
C10	1.20	1.93	-	285.000	-
C11	1.30	2.09	-	299.000	-
C12	1.40	2.25	-	265.000	-
C13	1.51	2.43	-	245.000	-
C14	1.60	2.57	-	259.000	-
C15	1.70	2.74	-	232.000	-
C16	1.80	2.90	-	218.000	-
C17	1.90	3.06	-	199.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 667.9 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

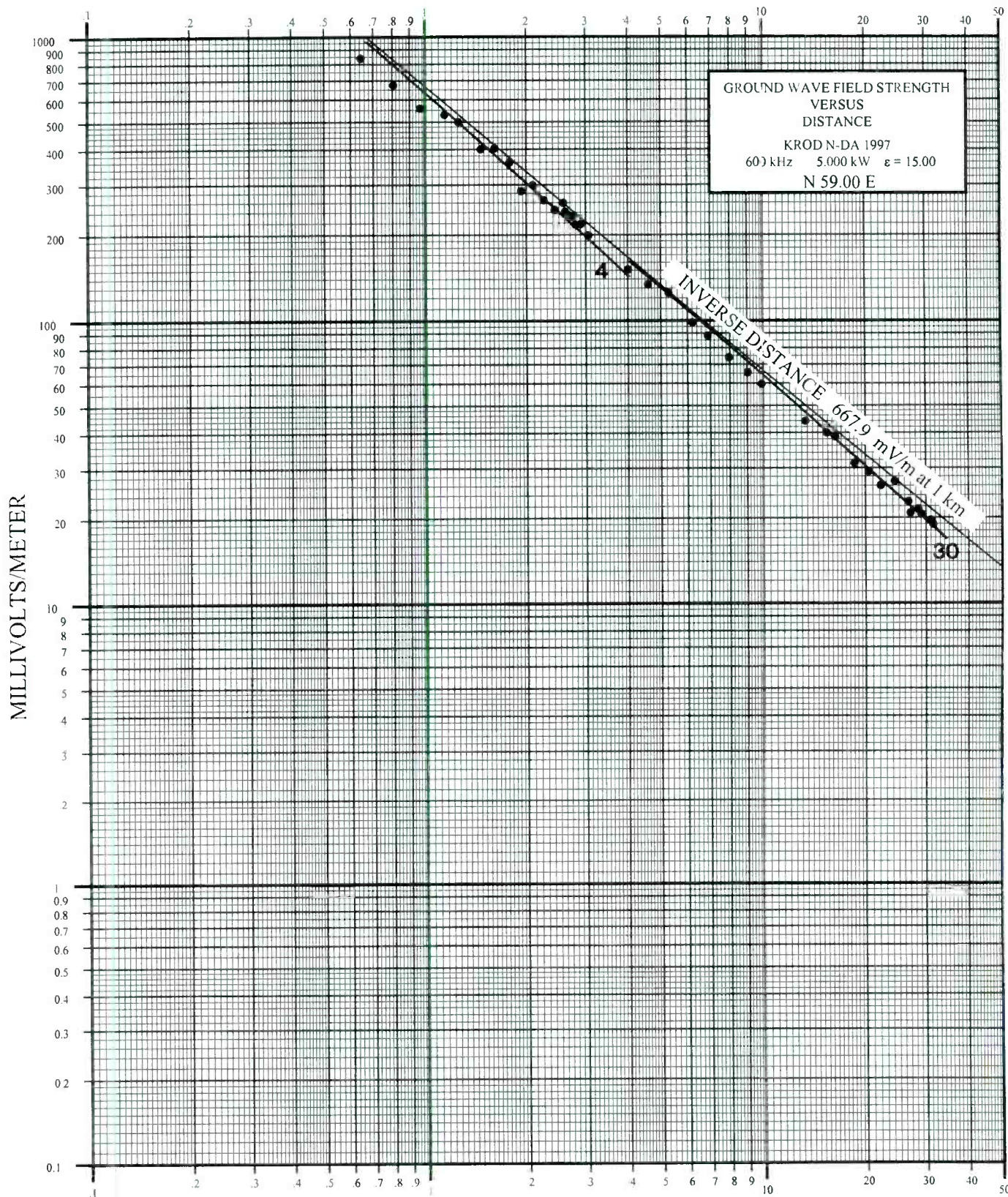
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 59.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.62	2.61	26.200	241.000	0.109
2	1.74	2.80	25.000	217.000	0.115
3	2.49	4.01	17.400	151.000	0.115
4	2.85	4.59	15.100	134.000	0.113
5	3.28	5.28	12.200	125.000	0.098
6	3.86	6.21	9.400	98.500	0.095
7	4.28	6.89	7.800	88.000	0.089
8	5.61	9.03	6.250	65.500	0.095
9	4.94	7.95	6.900	73.900	0.093
10	6.16	9.91	6.700	59.500	0.113
11	8.29	13.34	5.450	44.000	0.124
12	9.58	15.42	4.950	39.900	0.124
13	10.13	16.30	4.500	38.700	0.116
14	11.54	18.57	3.010	31.100	0.097
15	12.70	20.44	3.150	29.100	0.108
16	13.76	22.14	2.690	26.000	0.103
17	15.12	24.33	2.620	26.900	0.097
18	16.54	26.62	2.380	22.800	0.104
19	16.80	27.04	2.160	20.800	0.104
20	17.73	28.53	2.060	21.500	0.096
21	18.07	29.08	2.200	20.600	0.107
22	19.24	30.96	1.390	19.600	0.071
23	19.58	31.51	1.260	18.900	0.067

THE AVERAGE RATIO IS : 0.102

INVERSE FIELD = 0.102 * 667.9 = 68.1 MV/M

KILOMETERS FROM ANTENNA



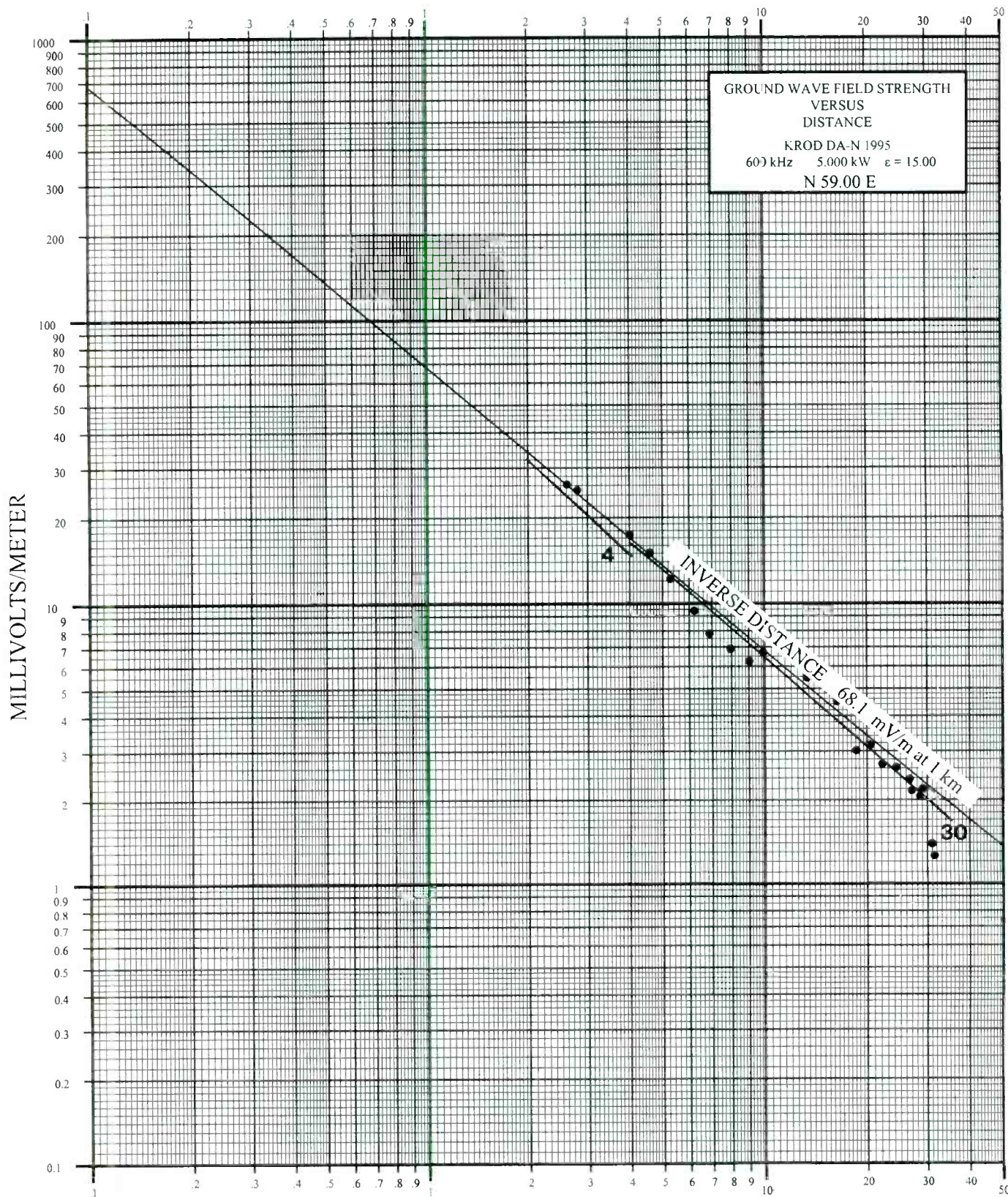
N-DA RADIAL N-59.0 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 4-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-59.0 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 4-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 76.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1070.000	-
C2	0.40	0.64	-	830.000	-
C3	0.50	0.80	-	700.000	-
C4	0.60	0.97	-	590.000	-
C5	0.70	1.13	-	505.000	-
C6	0.80	1.29	-	473.000	-
C7	0.90	1.45	-	382.000	-
C8	1.00	1.61	-	312.000	-
C9	1.11	1.79	-	354.000	-
C10	1.20	1.93	-	314.000	-
C11	1.30	2.09	-	293.000	-
C12	1.40	2.25	-	267.000	-
C13	1.50	2.41	-	252.000	-
C14	1.60	2.57	-	239.000	-
C15	1.71	2.75	-	220.000	-
C16	1.80	2.90	-	221.000	-
C17	1.90	3.06	-	203.000	-
C18	2.00	3.22	-	188.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 663.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

TABULATION OF FIELD INTENSITY MEASUREMENTS

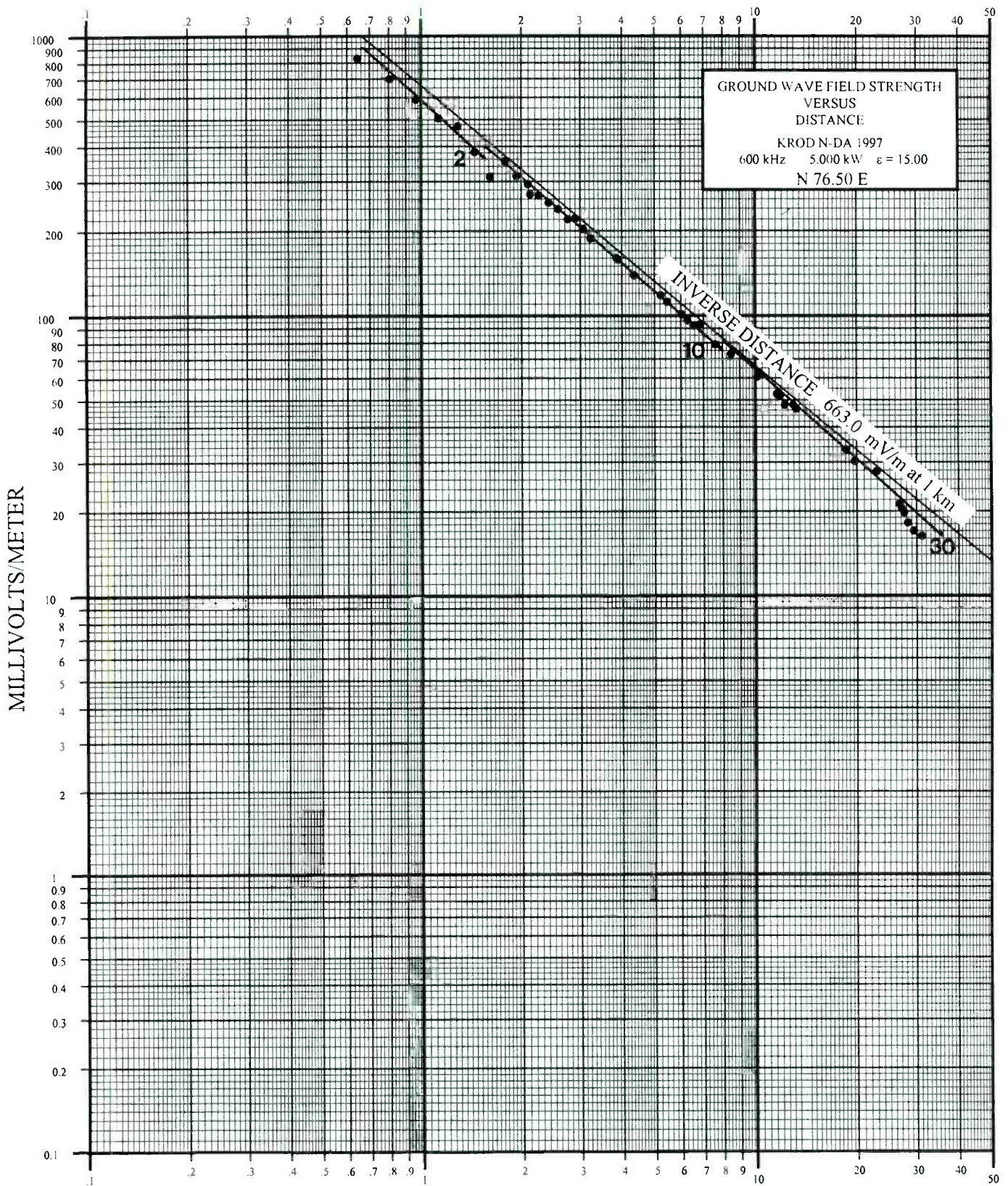
BEARING IN DEGREES 76.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.32	2.12	12.500	270.000	0.046
2	2.39	3.85	6.100	160.000	0.038
3	2.42	3.89	4.900	158.000	0.031
4	2.70	4.35	2.710	139.000	0.019
5	3.24	5.21	2.050	118.000	0.017
6	3.39	5.46	3.200	112.000	0.029
7	3.75	6.04	3.700	101.000	0.037
8	3.90	6.28	4.450	96.000	0.046
9	4.06	6.53	4.720	92.000	0.051
10MP	4.26	6.86	6.250	93.000	0.067
11	4.72	7.60	6.420	79.000	0.081
12	5.26	8.47	4.580	73.000	0.063
13	6.30	10.14	4.150	60.500	0.069
14	7.20	11.59	2.770	52.500	0.053
15	7.35	11.83	2.840	51.500	0.055
16	7.60	12.23	2.300	48.000	0.048
17	8.06	12.97	2.650	48.000	0.055
18	8.22	13.23	2.690	46.500	0.058
19	11.54	18.57	2.520	33.200	0.076
20	12.25	19.71	2.460	30.200	0.081
21	14.23	22.90	2.190	27.800	0.079
22	16.60	26.72	1.540	21.200	0.073
23	16.85	27.12	1.400	20.500	0.068
24	17.10	27.52	1.580	19.800	0.080
25	17.55	28.24	1.430	18.200	0.079
26	18.28	29.42	1.290	17.000	0.076
27	19.29	31.04	1.250	16.300	0.077

THE AVERAGE RATIO IS : 0.057

INVERSE FIELD = 0.057 * 663.0 = 37.8 MV/M

KILOMETERS FROM ANTENNA



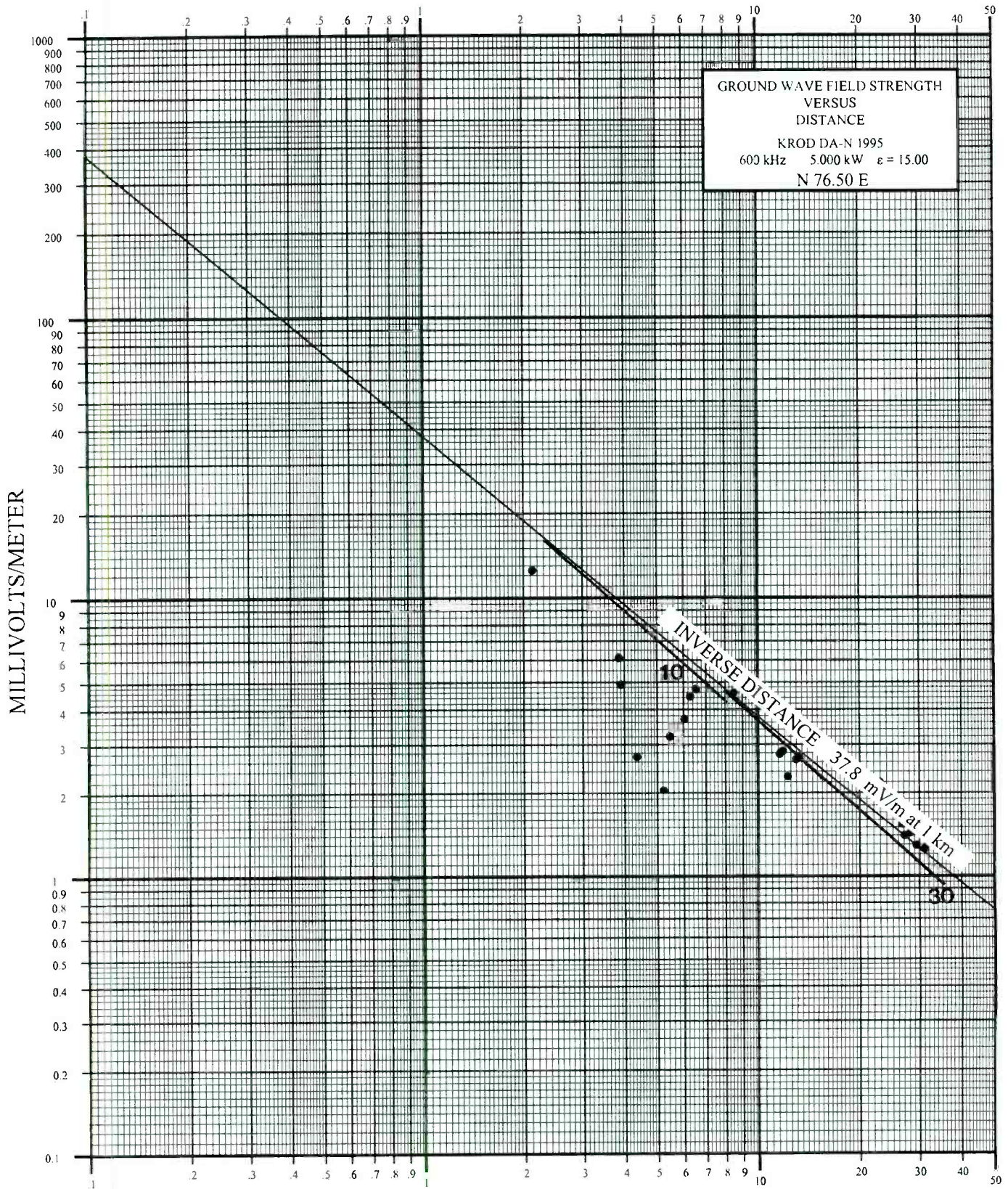
N-DA RADIAL N-76.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 5-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-76.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 5-C
November 1997**

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 102.00

POINT # *****	DISTANCE (MILES) *****	DISTANCE (KILOMETERS) *****	DA (MV/M) *****	N-DA (MV/M) *****	RATIO DA/N-DA *****
C1	0.30	0.48	-	920.000	-
C2	0.40	0.64	-	670.000	-
C3	0.50	0.80	-	389.000	-
C4	0.60	0.97	-	353.000	-
C5	0.70	1.13	-	468.000	-
C6	0.79	1.27	-	430.000	-
C7	0.86	1.38	-	392.000	-
C8	0.94	1.51	-	388.000	-
C9	1.02	1.64	-	355.000	-
C10	1.13	1.82	-	315.000	-
C11	1.22	1.96	-	300.000	-
C12	1.32	2.12	-	260.000	-
C13	1.41	2.27	-	250.000	-
C14	1.50	2.41	-	244.000	-
C15	1.61	2.59	-	236.000	-
C16	1.71	2.75	-	217.000	-
C17	1.81	2.91	-	189.000	-
C18	1.90	3.06	-	179.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 661.4 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

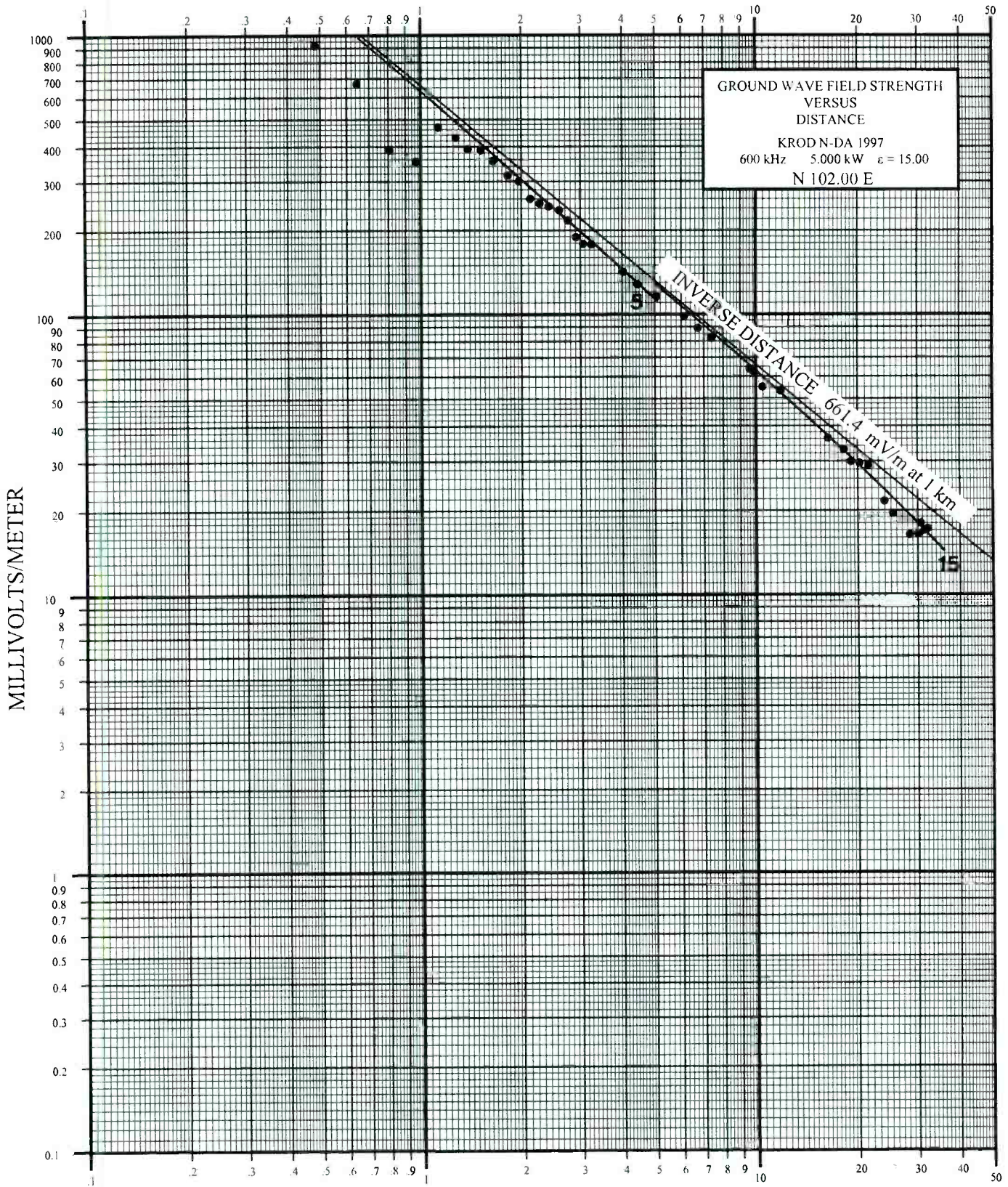
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 102.00

POINT # *****	DISTANCE (MILES) *****	DISTANCE (KILOMETERS) *****	DA (MV/M) *****	N-DA (MV/M) *****	RATIO DA/N-DA *****
1	2.01	3.23	122.000	178.000	0.685
2	2.50	4.02	96.000	142.000	0.676
3	2.76	4.44	86.000	128.000	0.672
4	3.14	5.05	78.000	116.000	0.672
5	3.80	6.12	63.000	98.000	0.643
6	4.18	6.73	55.500	89.000	0.624
7	4.57	7.35	51.500	82.000	0.628
8	5.95	9.58	38.000	63.800	0.596
9	6.15	9.90	37.500	62.000	0.605
10	6.49	10.44	33.900	55.000	0.616
11	7.36	11.84	32.500	53.300	0.610
12	10.15	16.33	22.800	36.200	0.630
13	11.30	18.19	21.300	32.900	0.647
14	11.86	19.09	18.300	29.900	0.612
15	12.59	20.26	19.100	29.500	0.647
16	13.35	21.48	18.900	28.900	0.654
17	14.88	23.95	13.300	21.600	0.616
18	15.75	25.35	11.800	19.500	0.605
19	17.68	28.45	10.100	16.400	0.616
20	18.71	30.11	10.600	16.500	0.642
21	19.02	30.61	11.300	18.000	0.628
22	19.47	31.33	10.900	16.950	0.643
23	19.95	32.11	11.000	17.200	0.640

THE AVERAGE RATIO IS : 0.635

INVERSE FIELD = 0.635 * 661.4 = 420.0 MV/M

KILOMETERS FROM ANTENNA



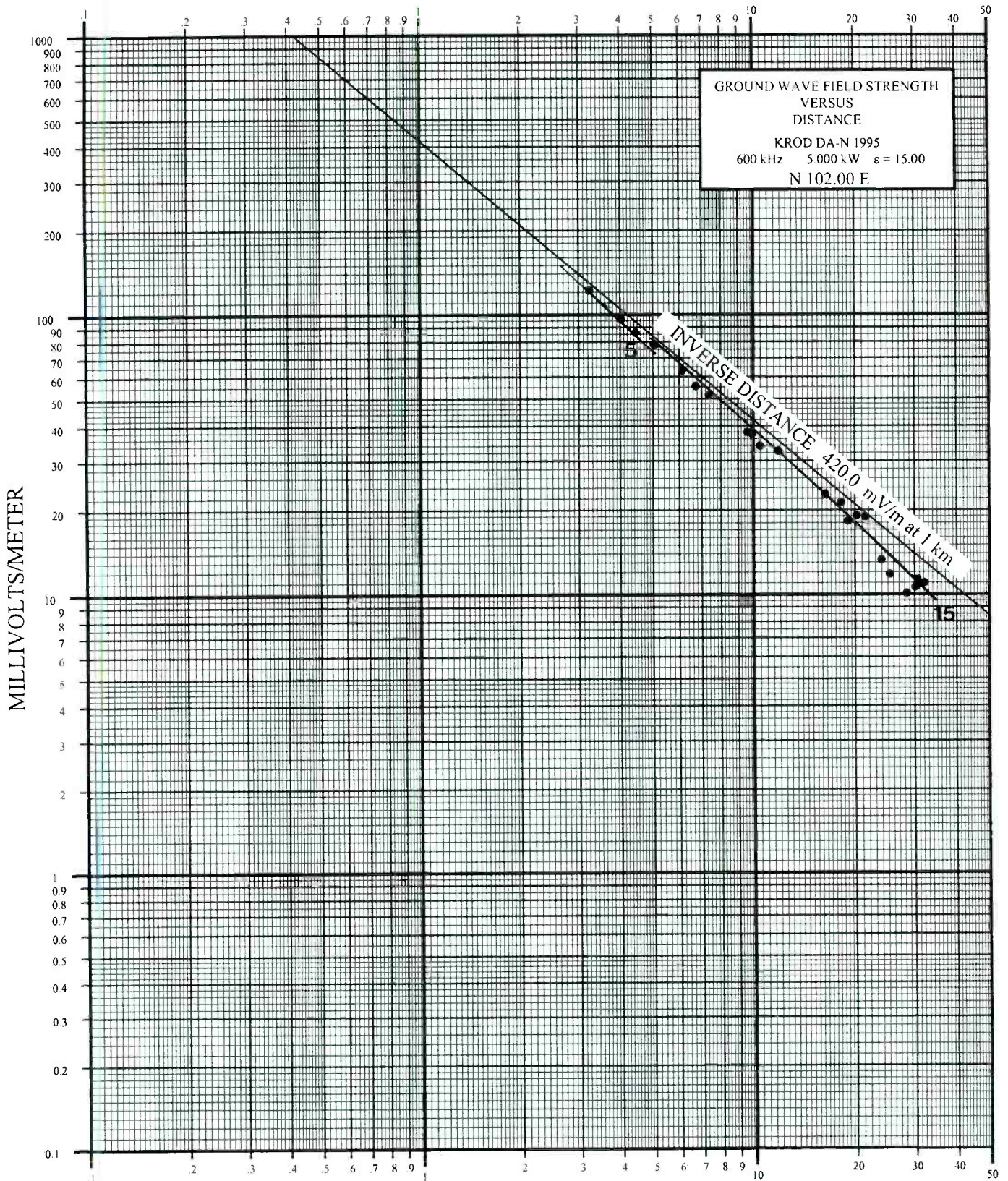
N-DA RADIAL N-102.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 6-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-102.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 6-C
November 1997**

KROD RADIO
El Paso, Texas
1995 PROOF
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 125.50

POINT # *****	DISTANCE (MILES) *****	DISTANCE (KILOMETERS) *****	DA (MV/M) *****	N-DA (MV/M) *****	RATIO DA/N-DA *****
C1	0.30	0.48	-	1050.000	-
C2	0.40	0.64	-	795.000	-
C3	0.50	0.80	-	620.000	-
C4	0.60	0.97	-	585.000	-
C5	0.75	1.21	-	465.000	-
C6	0.82	1.32	-	459.000	-
C7	1.01	1.63	-	370.000	-
C8	1.10	1.77	-	360.000	-
C9	1.20	1.93	-	305.000	-
C10	1.30	2.09	-	298.000	-
C11	1.40	2.25	-	274.000	-
C12	1.51	2.43	-	235.000	-
C13	1.59	2.56	-	212.000	-
C14	1.70	2.74	-	212.000	-
C15	1.80	2.90	-	198.000	-
C16	1.90	3.06	-	188.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 688.8 MV/M

KROD RADIO

El Paso, Texas

SEPTEMBER 1997

TABULATION OF FIELD INTENSITY MEASUREMENTS

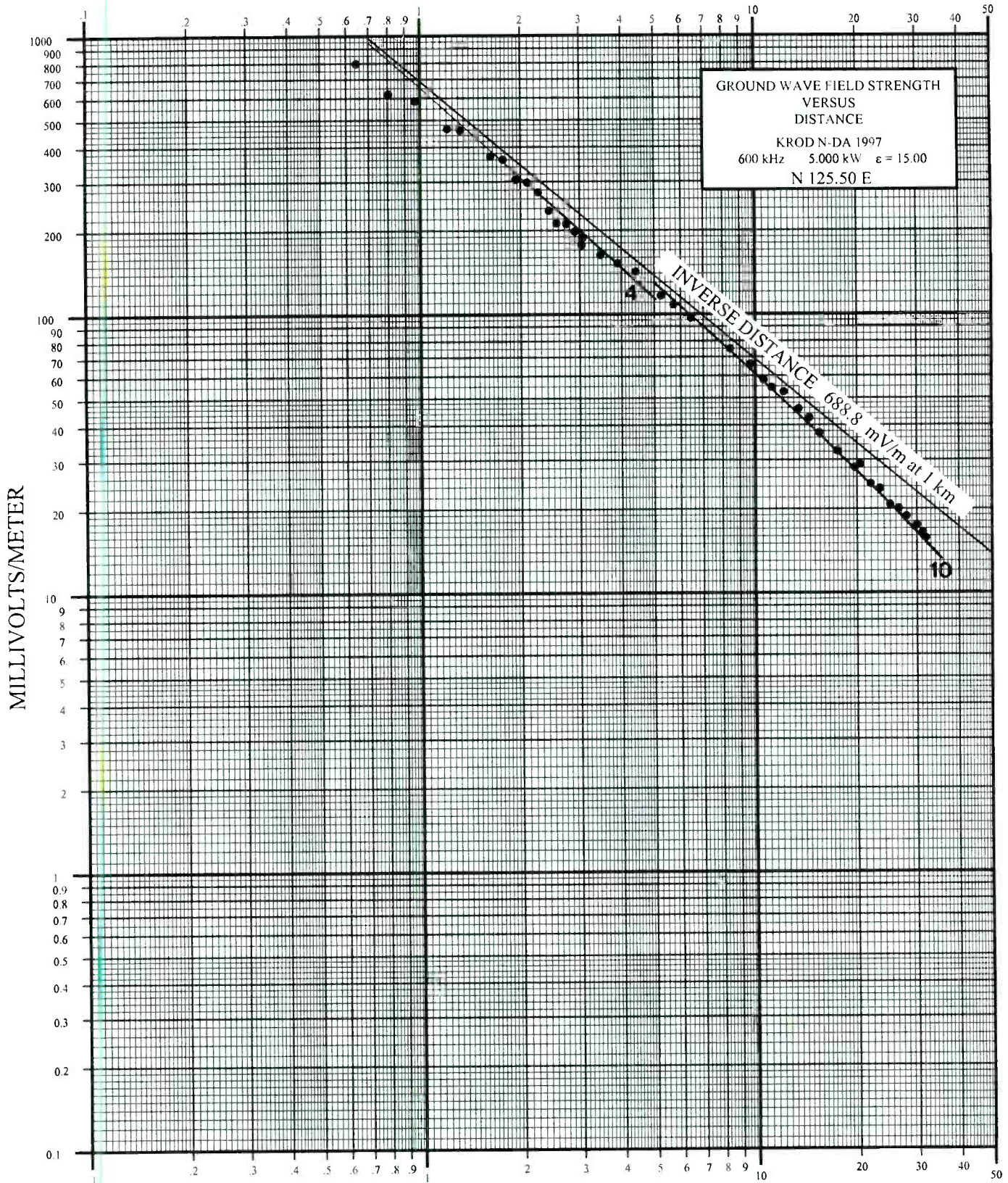
BEARING IN DEGREES 125.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.70	2.74	221.000	211.000	1.047
2	1.89	3.04	183.000	177.000	1.034
3	2.15	3.46	163.000	163.000	1.000
4	2.42	3.89	149.500	152.000	0.984
5	2.74	4.41	140.000	142.000	0.986
6	3.25	5.23	113.000	116.000	0.974
7	3.55	5.71	106.000	108.000	0.981
8	4.00	6.44	93.500	96.500	0.969
9	5.23	8.42	69.900	75.000	0.932
10	6.00	9.66	60.800	66.000	0.921
11	6.58	10.59	56.000	58.000	0.966
12	6.95	11.18	51.800	54.500	0.950
13	7.53	12.12	51.500	52.500	0.981
14	8.34	13.42	43.900	45.700	0.961
15	8.97	14.44	41.000	42.500	0.965
16	9.61	15.47	35.800	37.500	0.955
17	10.85	17.46	31.300	32.300	0.969
18	12.23	19.68	27.900	28.100	0.993
19	12.67	20.39	28.600	28.900	0.990
20	13.63	21.94	24.400	24.600	0.992
21	14.52	23.37	22.400	23.600	0.949
22	15.53	24.99	20.700	20.700	1.000
23	16.48	26.52	19.000	20.100	0.945
24	17.36	27.94	18.000	18.800	0.957
25	18.66	30.03	16.900	17.500	0.966
26	19.41	31.24	15.700	16.500	0.952
27	19.81	31.88	14.900	15.700	0.949

THE AVERAGE RATIO IS : 0.973

INVERSE FIELD = 0.973 * 688.8 = 670.2 MV/M

KILOMETERS FROM ANTENNA



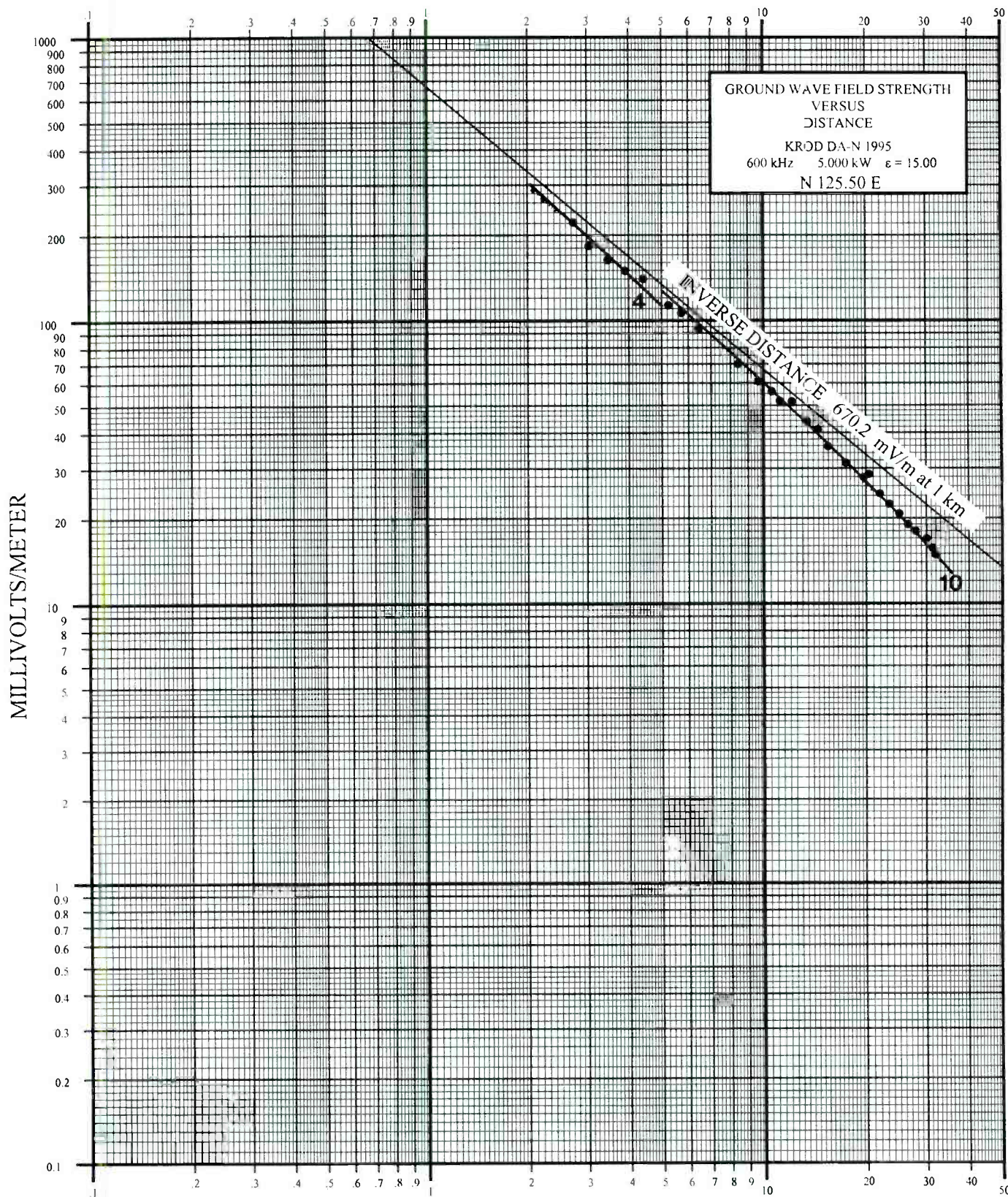
N-DA RADIAL N-125.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 7-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-125.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 7-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 142.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1120.000	-
C2	0.39	0.63	-	880.000	-
C3	0.49	0.79	-	750.000	-
C4	0.63	1.01	-	619.000	-
C5	0.72	1.16	-	410.000	-
C6	0.80	1.29	-	410.000	-
C7	0.90	1.45	-	405.000	-
C8	1.00	1.61	-	347.000	-
C9	1.10	1.77	-	348.000	-
C10	1.20	1.93	-	300.000	-
C11	1.29	2.08	-	277.000	-
C12	1.40	2.25	-	262.000	-
C13	1.50	2.41	-	237.000	-
C14	1.60	2.57	-	228.000	-
C15	1.70	2.74	-	203.000	-
C16	1.80	2.90	-	195.000	-
C17	1.90	3.06	-	187.000	-
C18	2.00	3.22	-	188.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 667.9 MV/M

/

KROD RADIO

El Paso, Texas

1995 PROOF

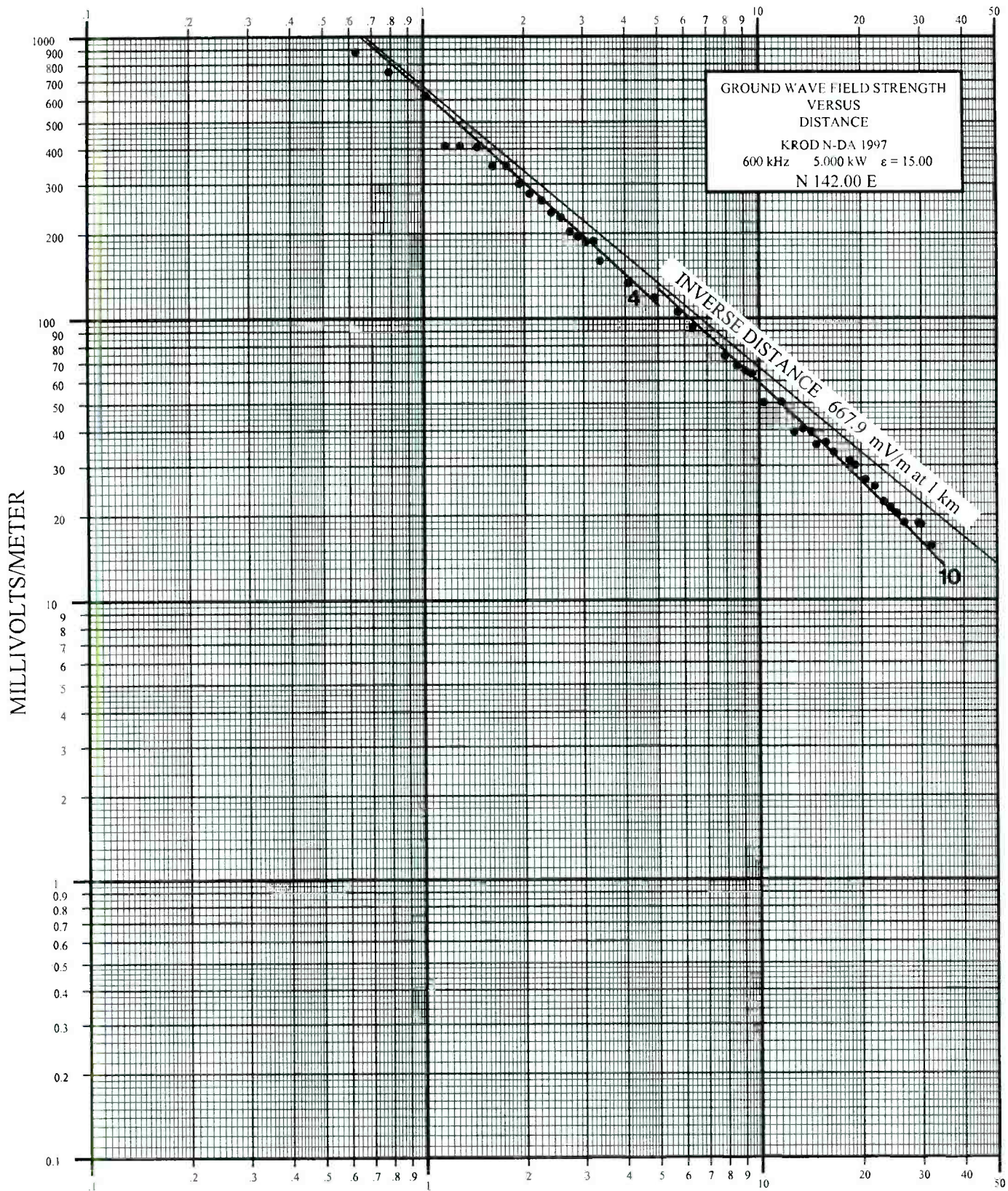
TABULATION OF FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 142.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	2.09	3.36	118.000	160.000	0.738
2	2.53	4.07	103.000	133.000	0.774
3	3.03	4.88	89.500	118.000	0.758
4	3.56	5.73	76.000	105.000	0.724
5	3.94	6.34	67.500	93.000	0.726
6	4.91	7.90	52.000	73.500	0.707
7	5.33	8.58	50.000	68.000	0.735
8	5.65	9.09	45.900	65.000	0.706
9	5.74	9.23	45.900	61.900	0.742
10	5.89	9.48	45.800	63.500	0.721
11	6.40	10.30	35.500	50.200	0.707
12	7.21	11.60	35.000	50.500	0.693
13	7.88	12.68	29.100	39.500	0.737
14	8.37	13.47	29.500	40.500	0.728
15	8.85	14.24	29.200	39.500	0.739
16	9.17	14.76	26.200	35.500	0.738
17	9.76	15.71	26.900	36.200	0.743
18	10.31	16.59	24.800	33.400	0.743
19	11.53	18.56	24.100	31.200	0.772
20	11.91	19.17	22.800	30.000	0.760
21	12.78	20.57	18.600	26.700	0.697
22	13.61	21.90	19.000	25.300	0.751
23	14.46	23.27	16.400	22.300	0.735
24	15.14	24.37	14.600	21.200	0.689
25	15.79	25.41	15.300	20.300	0.754
26	16.60	26.72	13.700	18.800	0.729
27	18.28	29.42	13.800	18.700	0.738
28	18.59	29.92	12.700	18.500	0.686
29	19.93	32.07	12.000	15.600	0.769

THE AVERAGE RATIO IS : 0.732

INVERSE FIELD = 0.732 * 667.9 = 488.9 MV/M

KILOMETERS FROM ANTENNA



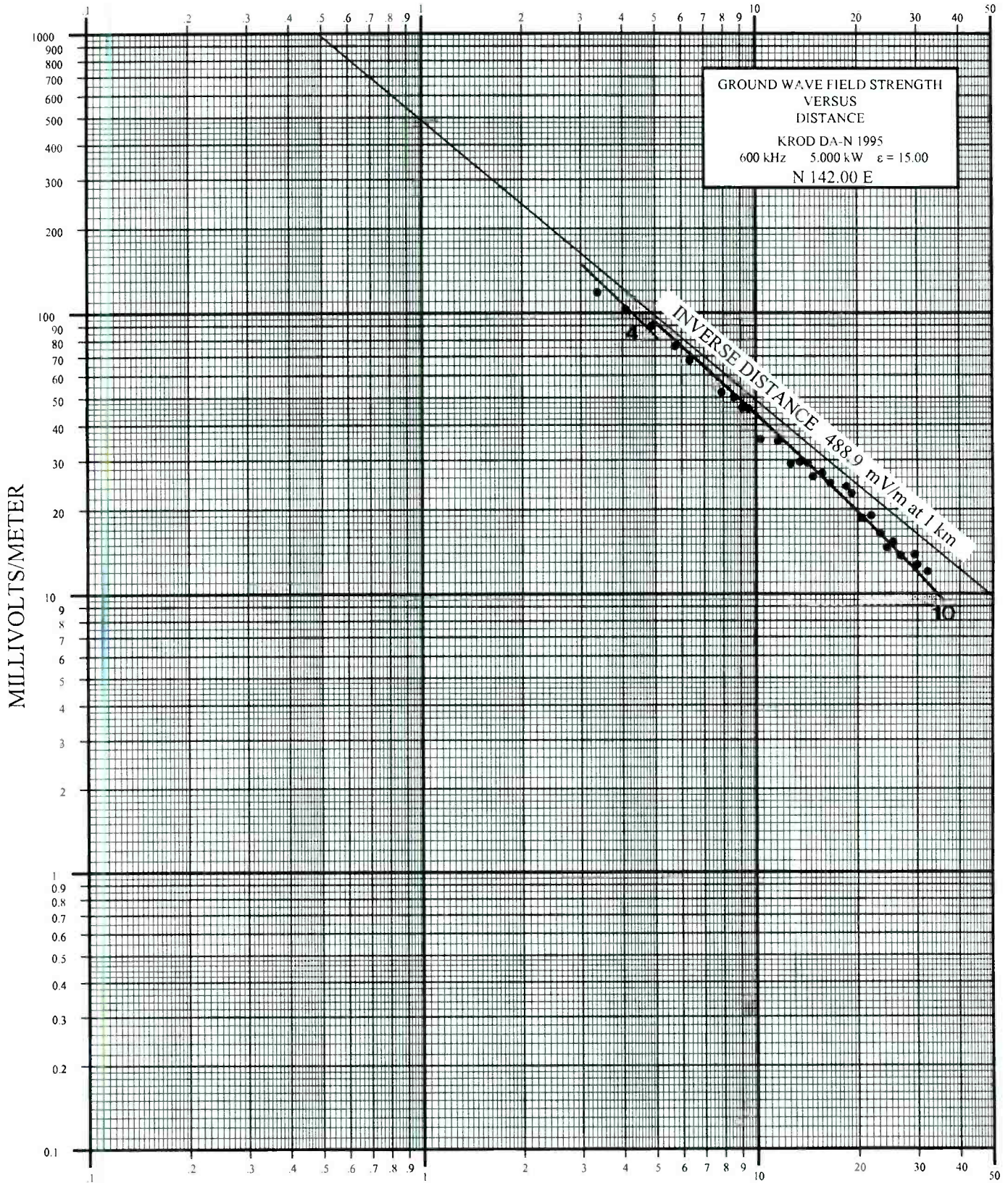
N-DA RADIAL N-142.0 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 8-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-142.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 8-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 157.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1150.000	-
C2	0.40	0.64	-	1140.000	-
C3	0.50	0.80	-	760.000	-
C4	0.60	0.97	-	640.000	-
C5	0.70	1.13	-	523.000	-
C6	0.81	1.30	-	485.000	-
C7	0.90	1.45	-	415.000	-
C8	1.05	1.69	-	335.000	-
C9	1.19	1.92	-	290.000	-
C10	1.30	2.09	-	286.000	-
C11	1.40	2.25	-	262.000	-
C12	1.50	2.41	-	244.000	-
C13	1.60	2.57	-	226.000	-
C14	1.70	2.74	-	215.000	-
C15	1.78	2.86	-	208.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 655.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

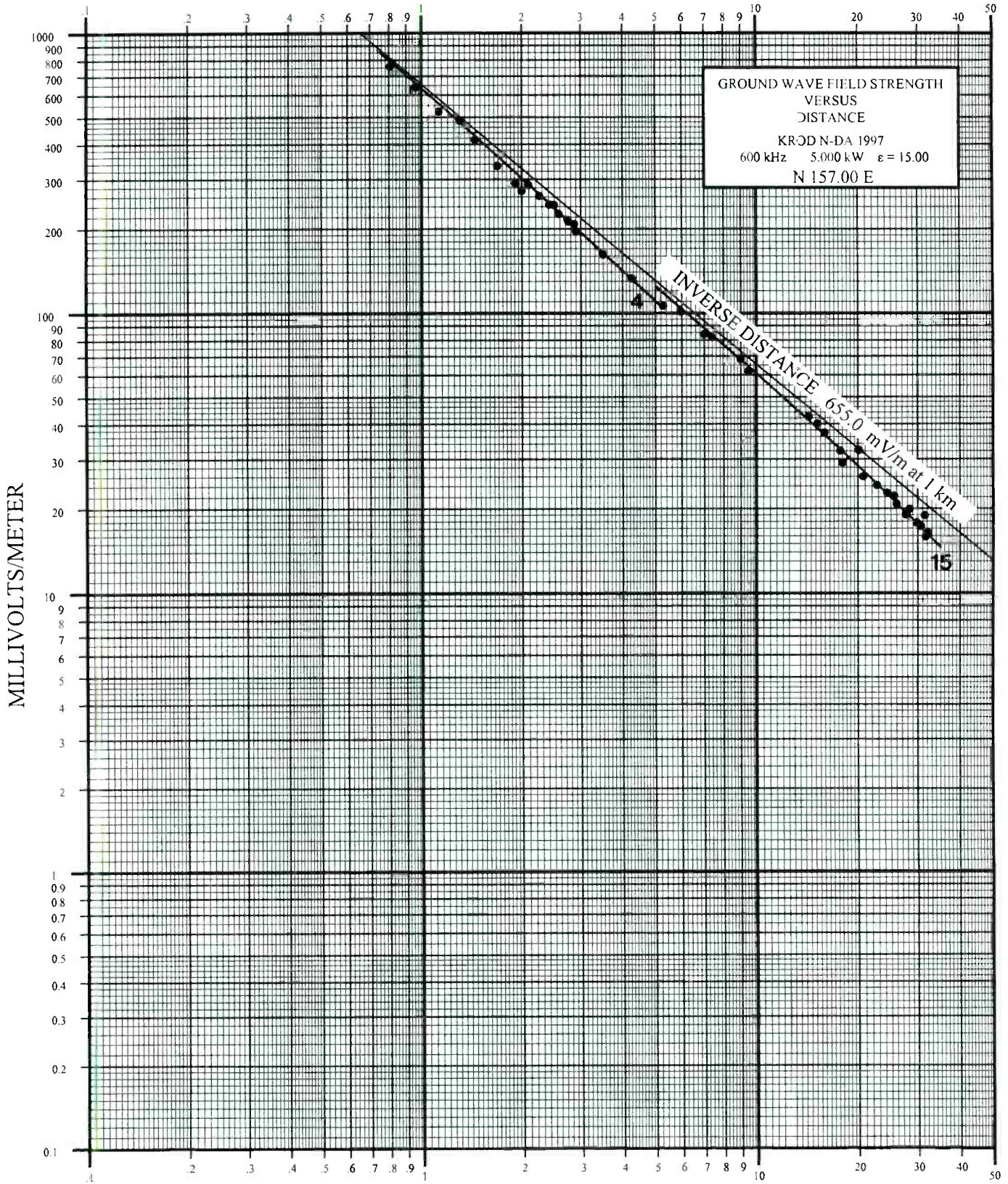
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 157.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.24	2.00	101.000	273.000	0.370
2	1.55	2.49	64.200	243.000	0.264
3	1.71	2.75	57.000	212.000	0.269
4	1.80	2.90	47.200	196.000	0.241
5MP	2.17	3.49	39.500	162.000	0.244
6	2.64	4.25	29.900	133.000	0.225
7	3.28	5.28	18.300	106.000	0.173
8	3.70	5.95	19.100	101.000	0.189
9	4.35	7.00	15.000	84.000	0.179
10	4.58	7.37	13.400	81.900	0.164
11	5.57	8.96	9.200	68.500	0.134
12	5.89	9.48	9.090	61.800	0.147
13	8.87	14.27	5.050	42.500	0.119
14	9.41	15.14	6.210	40.000	0.155
15	9.89	15.92	5.500	37.200	0.148
16	11.01	17.72	4.200	32.100	0.131
17	11.18	17.99	4.520	29.100	0.155
18	12.51	20.13	3.450	32.200	0.107
19	12.87	20.71	4.350	26.000	0.167
20	14.13	22.74	4.220	24.200	0.174
21	15.15	24.38	2.420	22.700	0.107
22	15.88	25.56	2.410	22.200	0.109
23	16.14	25.97	3.050	20.800	0.147
24	17.23	27.73	5.100	19.000	0.268
25	17.64	28.39	3.700	19.900	0.186
26	18.51	29.79	2.900	17.800	0.163
27	19.03	30.63	4.300	17.300	0.249
28	19.52	31.41	3.700	18.900	0.196
29	19.67	31.66	3.120	15.900	0.196
30	19.98	32.15	3.640	16.400	0.222

THE AVERAGE RATIO IS : 0.187

INVERSE FIELD = 0.187 * 655.0 = 122.5 MV/M

KILOMETERS FROM ANTENNA



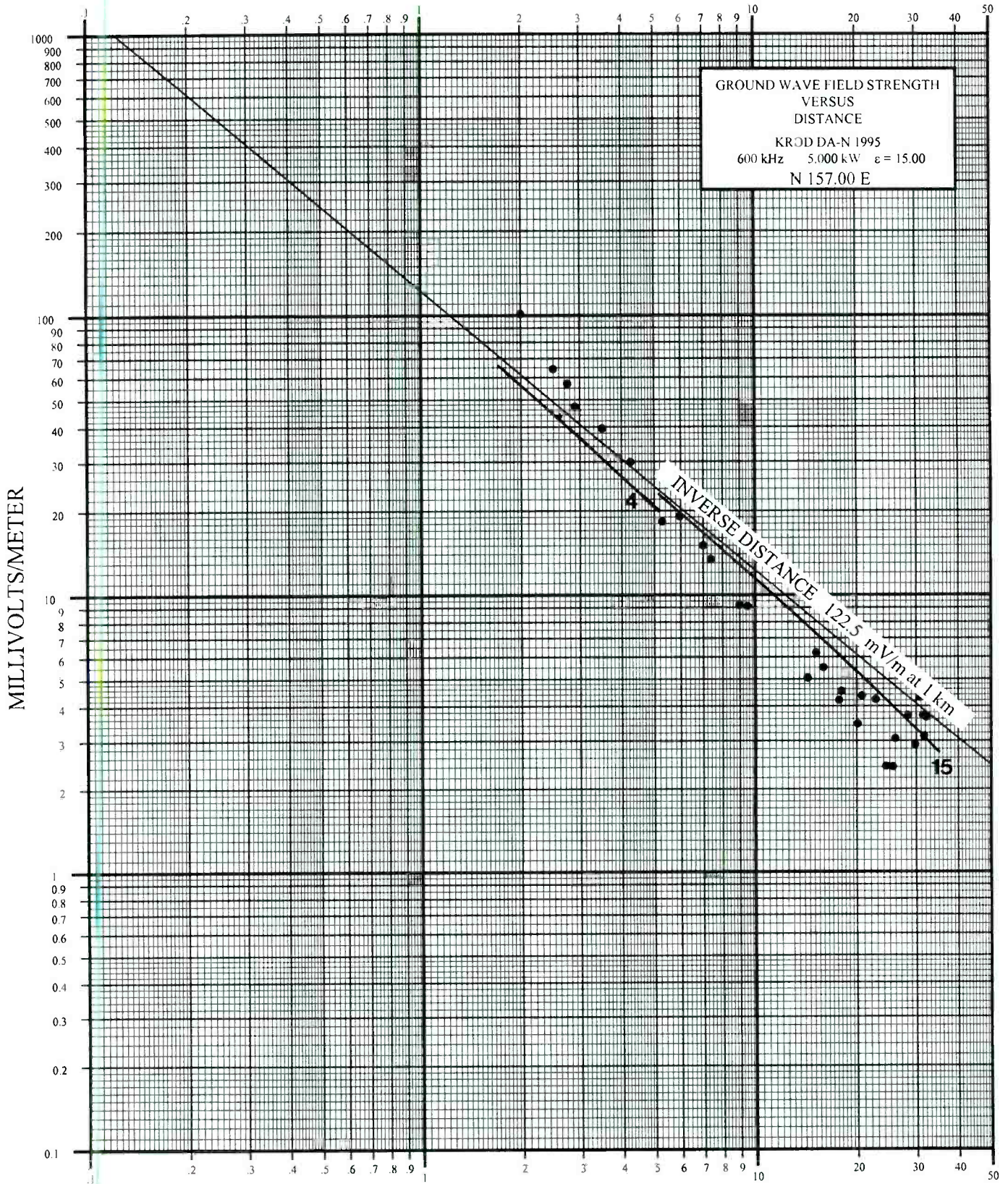
N-DA RADIAL N-157.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 9-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-157.0 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 9-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 180.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.31	0.50	-	880.000	-
C2	0.39	0.63	-	900.000	-
C3	0.50	0.80	-	730.000	-
C4	0.60	0.97	-	655.000	-
C5	0.66	1.06	-	650.000	-
C6	0.69	1.11	-	580.000	-
C7	0.78	1.26	-	495.000	-
C8	0.89	1.43	-	398.000	-
C9	1.00	1.61	-	405.000	-
C10	1.09	1.75	-	360.000	-
C11	1.20	1.93	-	329.000	-
C12	1.30	2.09	-	298.000	-
C13	1.41	2.27	-	295.000	-
C14	1.50	2.41	-	265.000	-
C15	1.60	2.57	-	222.000	-
C16	1.69	2.72	-	221.000	-
C17	1.92	3.09	-	201.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 664.7 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

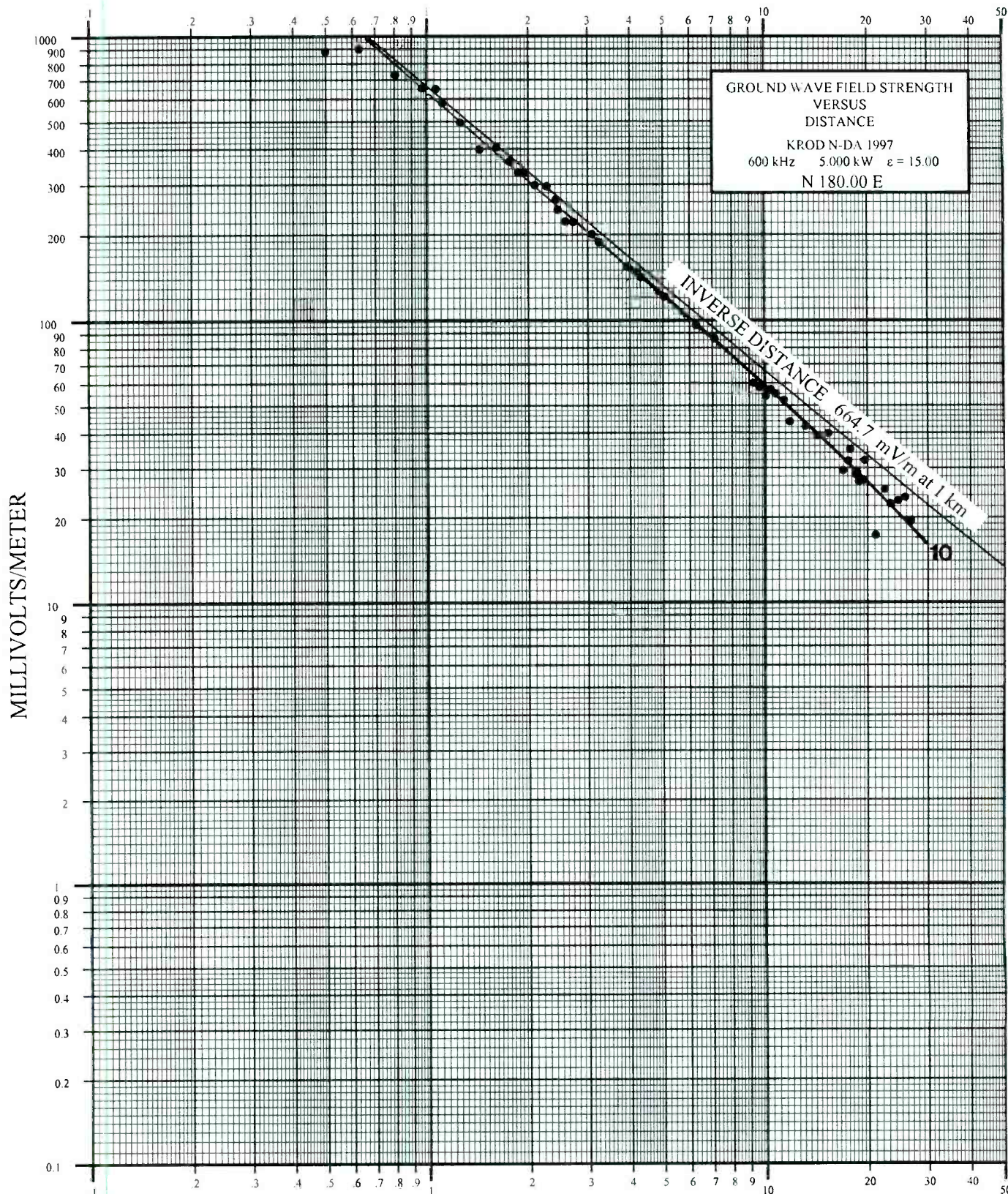
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 180.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.16	1.87	570.000	330.000	1.727
2	1.52	2.45	429.000	244.000	1.758
3	2.01	3.23	328.000	188.000	1.745
4	2.44	3.93	266.000	155.000	1.716
5	2.61	4.20	249.000	148.000	1.682
6	2.68	4.31	242.000	142.000	1.704
7	3.14	5.05	205.000	121.000	1.694
8	3.90	6.28	159.000	96.000	1.656
9	4.42	7.11	142.000	86.000	1.651
10	5.75	9.25	104.000	60.000	1.733
11	5.98	9.62	102.000	58.000	1.759
12	6.25	10.06	97.000	54.000	1.796
13	6.46	10.40	96.500	57.000	1.693
14	6.67	10.73	96.200	55.000	1.749
15	7.07	11.38	89.500	52.100	1.718
16	7.36	11.84	80.000	43.800	1.826
17	8.16	13.13	69.500	42.200	1.647
18	8.88	14.29	66.000	39.000	1.692
19	9.53	15.34	68.000	39.800	1.709
20	10.53	16.95	52.000	29.400	1.769
21	10.90	17.54	51.000	31.700	1.609
22	11.04	17.77	54.200	34.900	1.553
23	11.46	18.44	52.000	28.500	1.825
24	11.50	18.51	51.900	28.500	1.821
25	11.60	18.67	50.500	28.800	1.753
26	11.71	18.85	46.500	26.900	1.729
27	12.10	19.47	45.800	27.100	1.690
28	12.18	19.60	51.800	31.900	1.624
29	13.11	21.10	27.100	17.300	1.566
30	13.95	22.45	40.000	25.200	1.587
31	14.50	23.34	39.300	22.400	1.754
32	15.26	24.56	39.100	23.000	1.700
33	16.00	25.75	41.000	23.600	1.737
34	16.62	26.75	33.500	19.500	1.718

THE AVERAGE RATIO IS : 1.709

INVERSE FIELD = 1.709 * 664.7 = 1135.9 MV/M

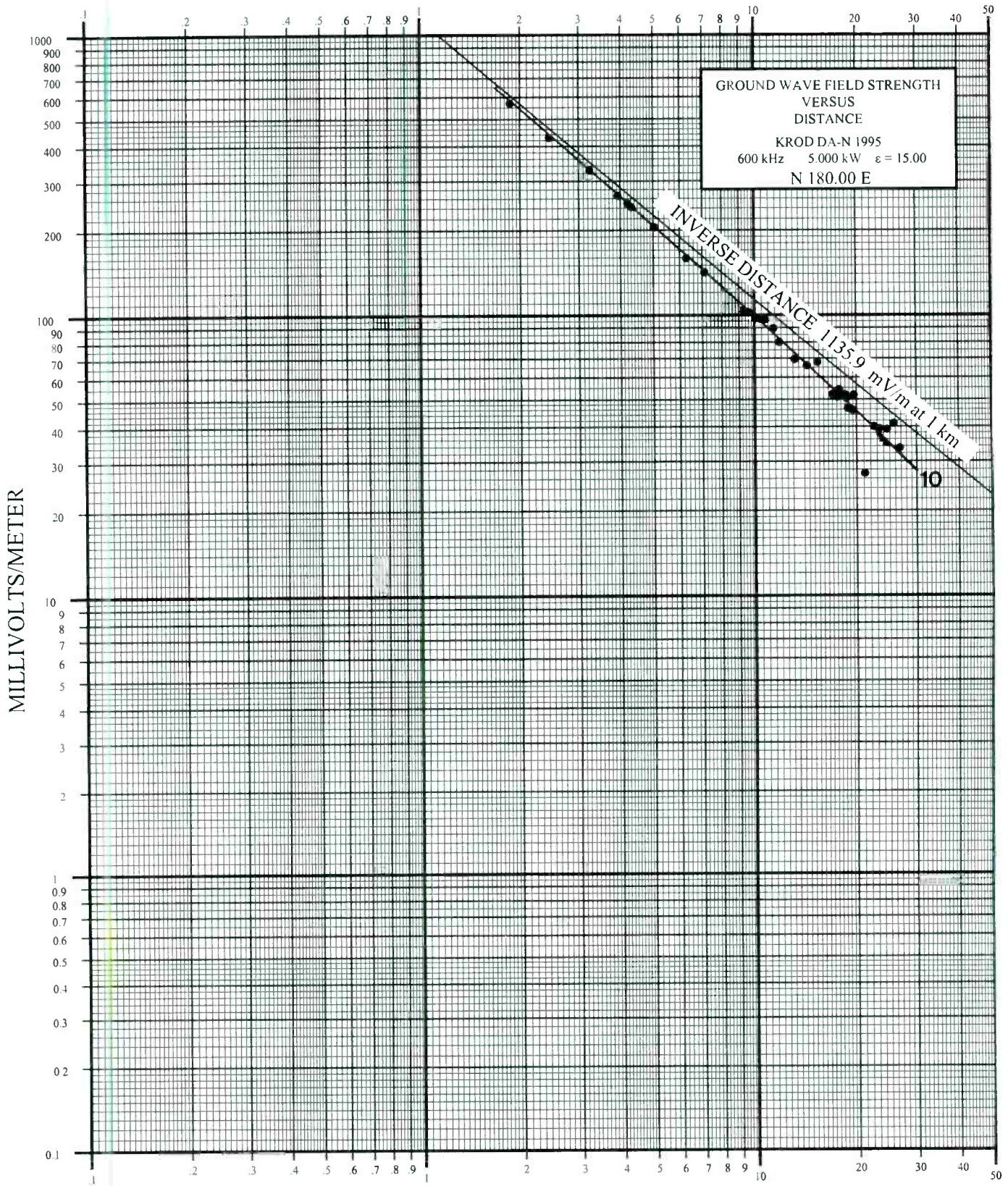
KILOMETERS FROM ANTENNA



MILLIVOLTS/METER

<p>N-DA RADIAL N-180.0 E</p> <p>Radio Station KROD El Paso, Texas 600 kHz 5.0 kW DA-N-U</p>	<p>R. Morgan Burrow, P.E. & Assoc., P.C. Derwood, Maryland 20855</p> <p>Figure 10-B November 1997</p>
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KILOMETERS FROM ANTENNA



MILLIVOLTS/METER

DA-N RADIAL N-180.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 10-C
November 1997**

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 203.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1420.000	-
C2	0.40	0.64	-	940.000	-
C3	0.52	0.84	-	820.000	-
C4	0.64	1.03	-	680.000	-
C5	0.70	1.13	-	660.000	-
C6	0.75	1.21	-	560.000	-
C7	0.81	1.30	-	520.000	-
C8	0.86	1.38	-	515.000	-
C9	0.90	1.45	-	475.000	-
C10	0.96	1.54	-	445.000	-
C11	1.25	2.01	-	330.000	-
C12	1.30	2.09	-	330.000	-
C13	1.40	2.25	-	312.000	-
C14	1.45	2.33	-	305.000	-
C15	1.52	2.45	-	280.000	-
C16	1.55	2.49	-	298.000	-
C17	1.72	2.77	-	252.000	-
C18	1.77	2.85	-	235.000	-
C19	1.90	3.06	-	232.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 724.2 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

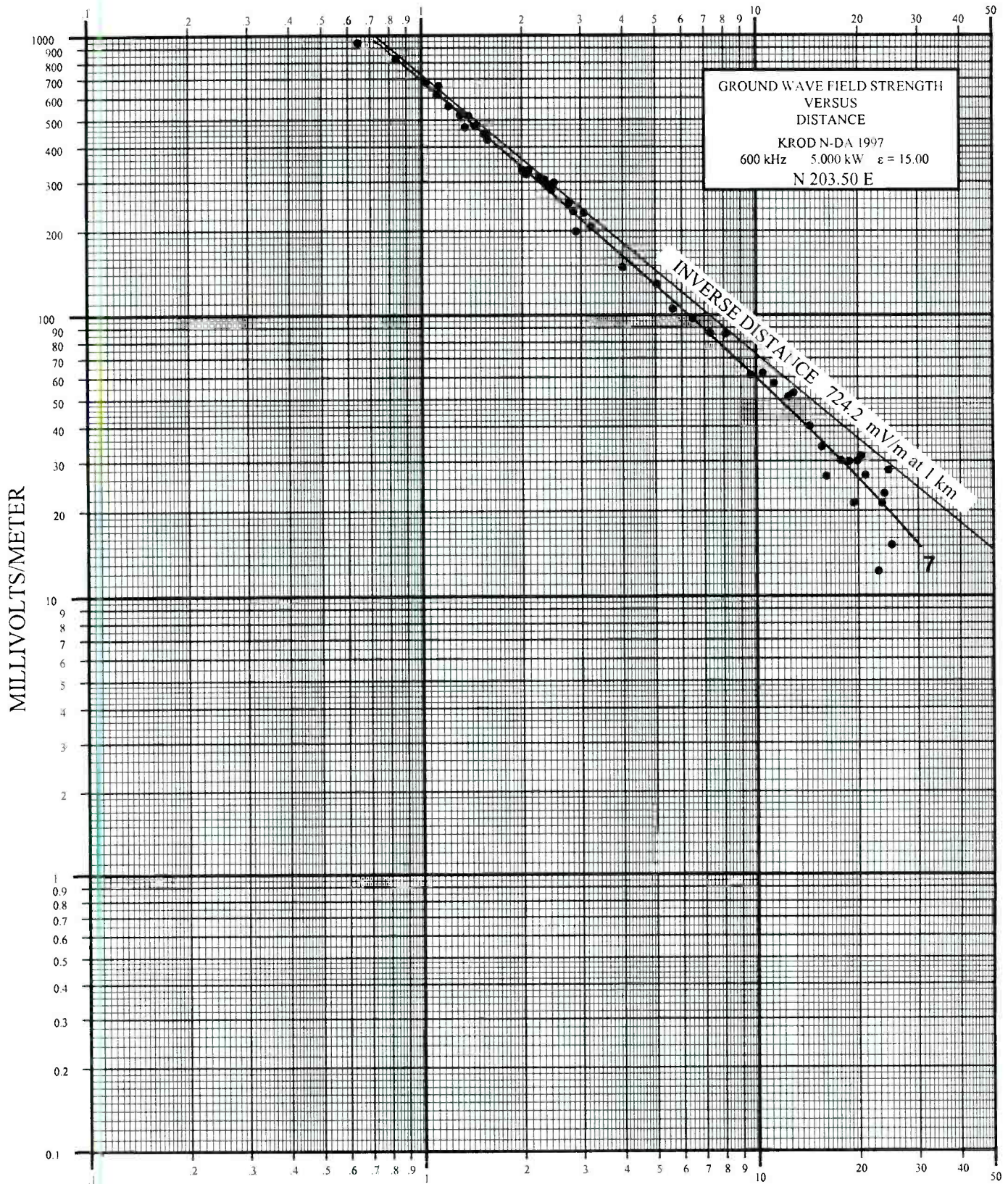
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 203.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	0.40	0.64	1900.000	940.000	2.021
2	0.69	1.11	1380.000	615.000	2.244
3	0.84	1.35	1110.000	470.000	2.362
4	0.98	1.58	992.000	425.000	2.334
5	1.28	2.06	760.000	319.000	2.382
6	1.48	2.38	678.000	288.000	2.354
7	1.80	2.90	470.000	199.000	2.362
8	2.00	3.22	495.000	207.000	2.391
9	2.48	3.99	346.000	148.000	2.338
10	3.14	5.05	300.000	129.000	2.326
11	3.50	5.63	248.000	105.000	2.362
12	4.02	6.47	230.000	97.000	2.371
13	4.53	7.29	204.000	86.000	2.372
14	5.03	8.10	204.000	85.500	2.386
15	5.97	9.61	141.000	61.000	2.311
16	6.50	10.46	143.000	62.000	2.306
17	7.00	11.27	140.000	57.000	2.456
18	7.73	12.44	121.000	51.000	2.373
19	8.01	12.89	123.000	52.500	2.343
20	8.95	14.40	99.000	40.000	2.475
21	9.70	15.61	84.000	33.800	2.485
22	10.00	16.09	66.000	26.500	2.491
23	11.05	17.78	74.000	30.200	2.450
24	11.69	18.81	72.000	29.900	2.408
25	12.04	19.38	49.500	21.300	2.324
26	12.37	19.91	73.000	30.000	2.433
27	12.65	20.36	76.000	31.300	2.428
28	13.06	21.02	68.000	26.700	2.547
29	14.20	22.85	63.000	12.200	5.164
30	14.60	23.50	50.000	21.200	2.358
31	14.83	23.87	56.000	23.000	2.435
32	15.25	24.54	70.500	27.800	2.536
33	15.55	25.03	35.800	15.100	2.371

THE AVERAGE RATIO IS : 2.464

INVERSE FIELD = 2.464 * 724.2 = 1784.4 MV/M

KILOMETERS FROM ANTENNA



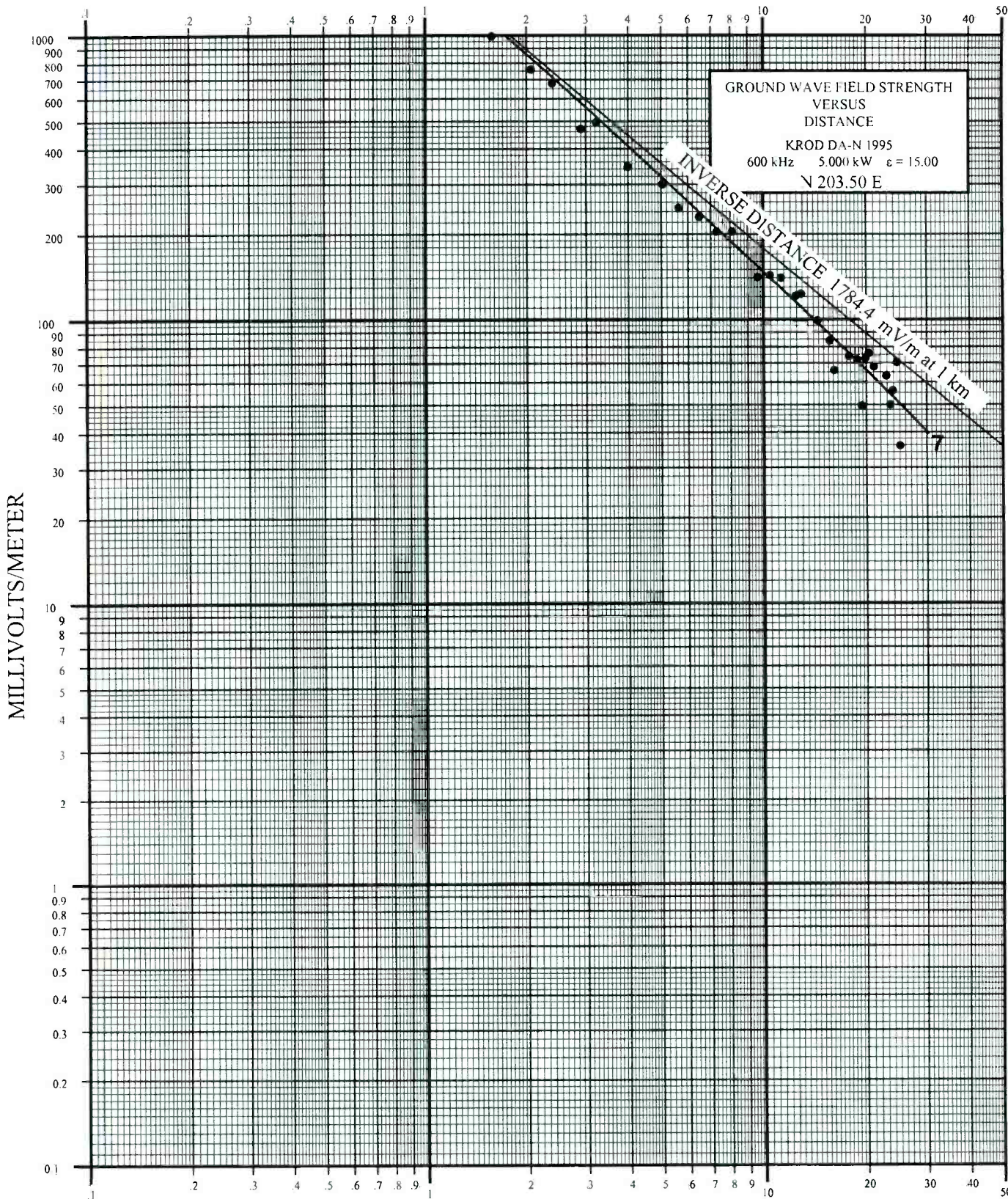
N-DA RADIAL N-203.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 11-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-203.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 11-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 229.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.41	0.66	-	1060.000	-
C2	0.50	0.80	-	920.000	-
C3	0.61	0.98	-	820.000	-
C4	0.77	1.24	-	560.000	-
C5	0.91	1.46	-	435.000	-
C6	1.00	1.61	-	409.000	-
C7	1.12	1.80	-	370.000	-
C8	1.17	1.88	-	340.000	-
C9	1.24	2.00	-	330.000	-
C10	1.30	2.09	-	302.000	-
C11	1.34	2.16	-	298.000	-
C12	1.43	2.30	-	271.000	-
C13	1.47	2.37	-	275.000	-
C14	1.56	2.51	-	248.000	-
C15	1.70	2.74	-	222.000	-
C16	1.75	2.82	-	240.000	-
C17	1.84	2.96	-	235.000	-
C18	1.95	3.14	-	202.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 719.4 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

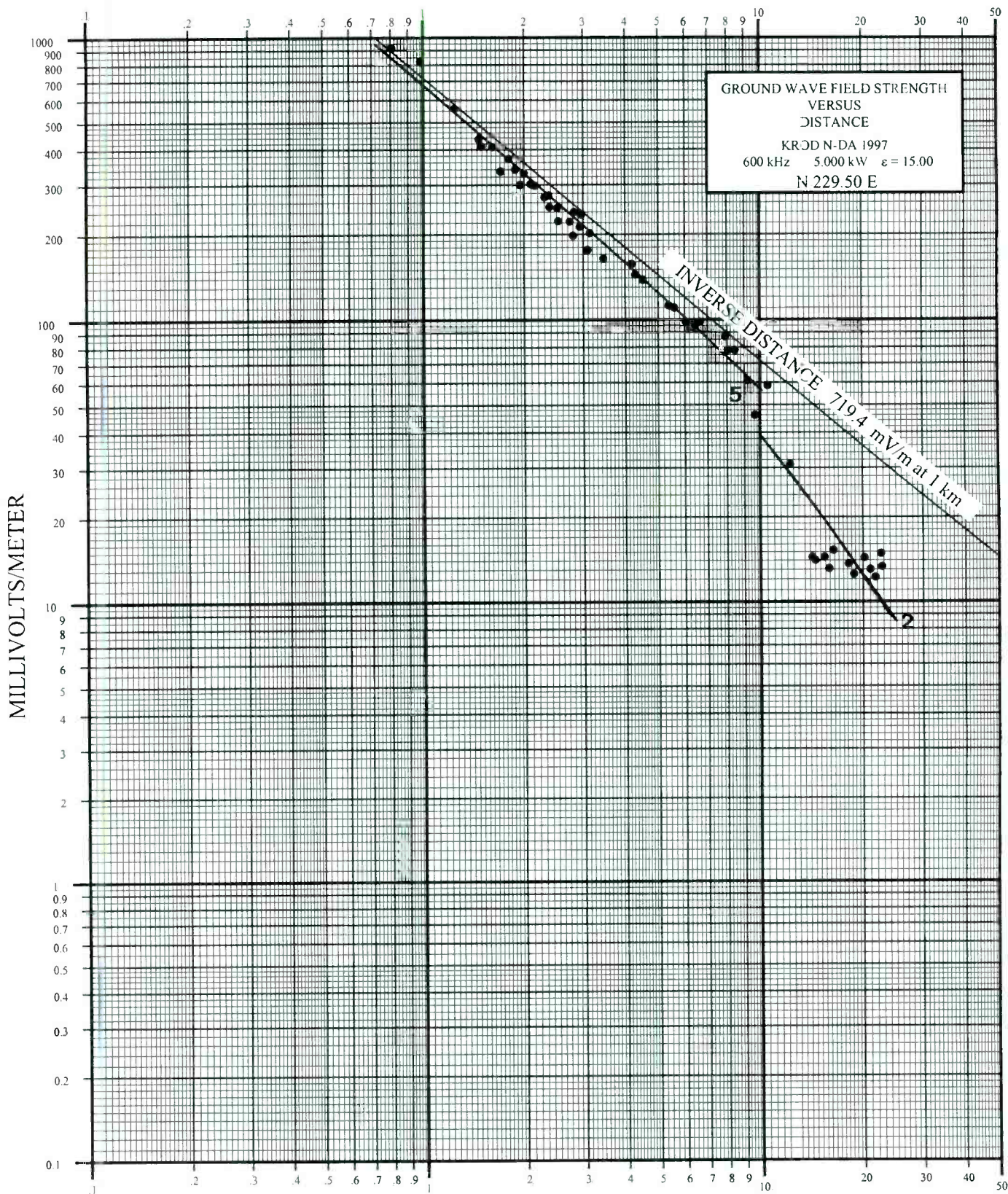
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 229.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	0.93	1.50	620.000	410.000	1.512
2	1.06	1.71	515.000	335.000	1.537
3	1.21	1.95	460.000	300.000	1.533
4	1.48	2.38	400.000	250.000	1.600
5	1.57	2.53	341.000	223.000	1.529
6	1.74	2.80	325.000	198.000	1.641
7	1.82	2.93	341.000	213.000	1.601
8	1.92	3.09	279.000	176.000	1.585
9	2.14	3.44	258.000	164.000	1.573
10	2.60	4.18	251.000	157.000	1.599
11	2.66	4.28	231.000	144.000	1.604
12	2.80	4.51	221.000	138.000	1.601
13	3.34	5.38	182.000	112.000	1.625
14	3.47	5.58	179.000	110.000	1.627
15	3.76	6.05	158.000	98.000	1.612
16	4.00	6.44	155.000	95.000	1.632
17	4.14	6.66	156.000	98.000	1.592
18	4.91	7.90	132.000	87.000	1.517
19	4.99	8.03	132.000	78.000	1.692
20	5.24	8.43	124.000	78.000	1.590
21	5.72	9.21	103.000	61.000	1.689
22	6.00	9.66	96.000	46.000	2.087
23	6.55	10.54	96.000	58.500	1.641
24	7.61	12.25	53.000	30.800	1.721
25	8.82	14.19	25.900	14.400	1.799
26	9.00	14.48	24.900	14.000	1.779
27	9.56	15.39	24.800	14.400	1.722
28	9.88	15.90	21.500	13.100	1.641
29	10.17	16.37	22.200	15.200	1.461
30	11.27	18.14	20.500	13.600	1.507
31	11.67	18.78	20.400	12.500	1.632
32	12.54	20.18	23.800	14.300	1.664
33	13.06	21.02	20.900	13.000	1.608
34	13.50	21.73	20.400	12.200	1.672
35	14.02	22.56	23.100	14.800	1.561
36	14.12	22.72	22.200	13.300	1.669

THE AVERAGE RATIO IS : 1.629

INVERSE FIELD = 1.629 * 719.4 = 1171.9 MV/M

KILOMETERS FROM ANTENNA



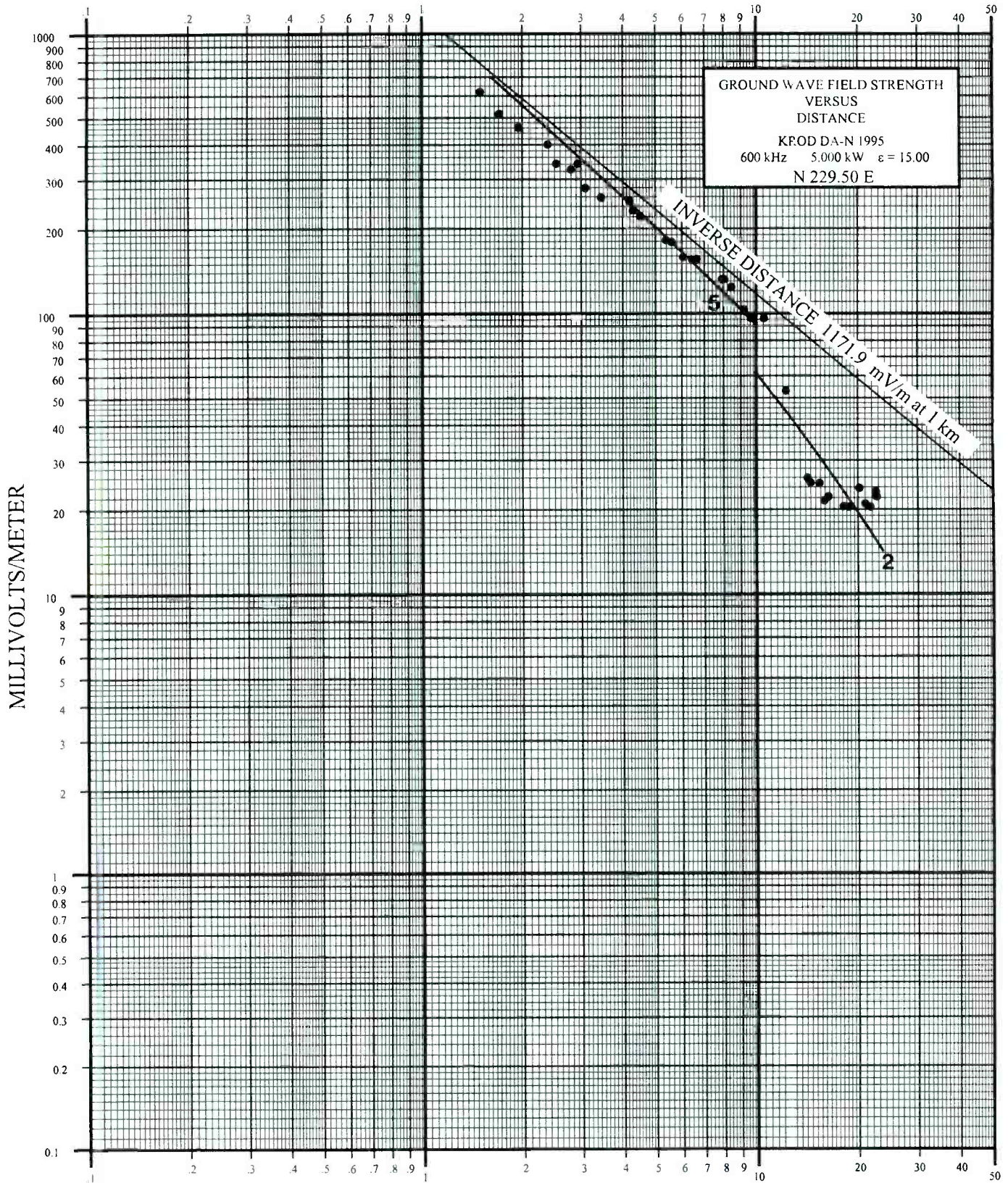
N-DA RADIAL N-229.5 E

**Radio Station KR0D
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 12-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-229.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 12-C
November 1997**

KROD RADIO
 El Paso, Texas
 SEPTEMBER 1997
 CLOSE IN FIELD INTENSITY MEASUREMENTS
 BEARING IN DEGREES 280.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	2010.000	-
C2	0.40	0.64	-	1120.000	-
C3	0.50	0.80	-	900.000	-
C4	0.68	1.09	-	705.000	-
C5	0.75	1.21	-	600.000	-
C6	0.80	1.29	-	560.000	-
C7	0.85	1.37	-	540.000	-
C8	0.94	1.51	-	440.000	-
C9	1.00	1.61	-	410.000	-
C10	1.12	1.80	-	370.000	-
C11	1.21	1.95	-	339.000	-
C12	1.28	2.06	-	335.000	-
C13	1.33	2.14	-	332.000	-
C14	1.42	2.29	-	295.000	-
C15	1.59	2.56	-	248.000	-
C16	1.66	2.67	-	264.000	-
C17	1.76	2.83	-	245.000	-
C18	1.80	2.90	-	218.000	-
C19	1.89	3.04	-	225.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 721.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

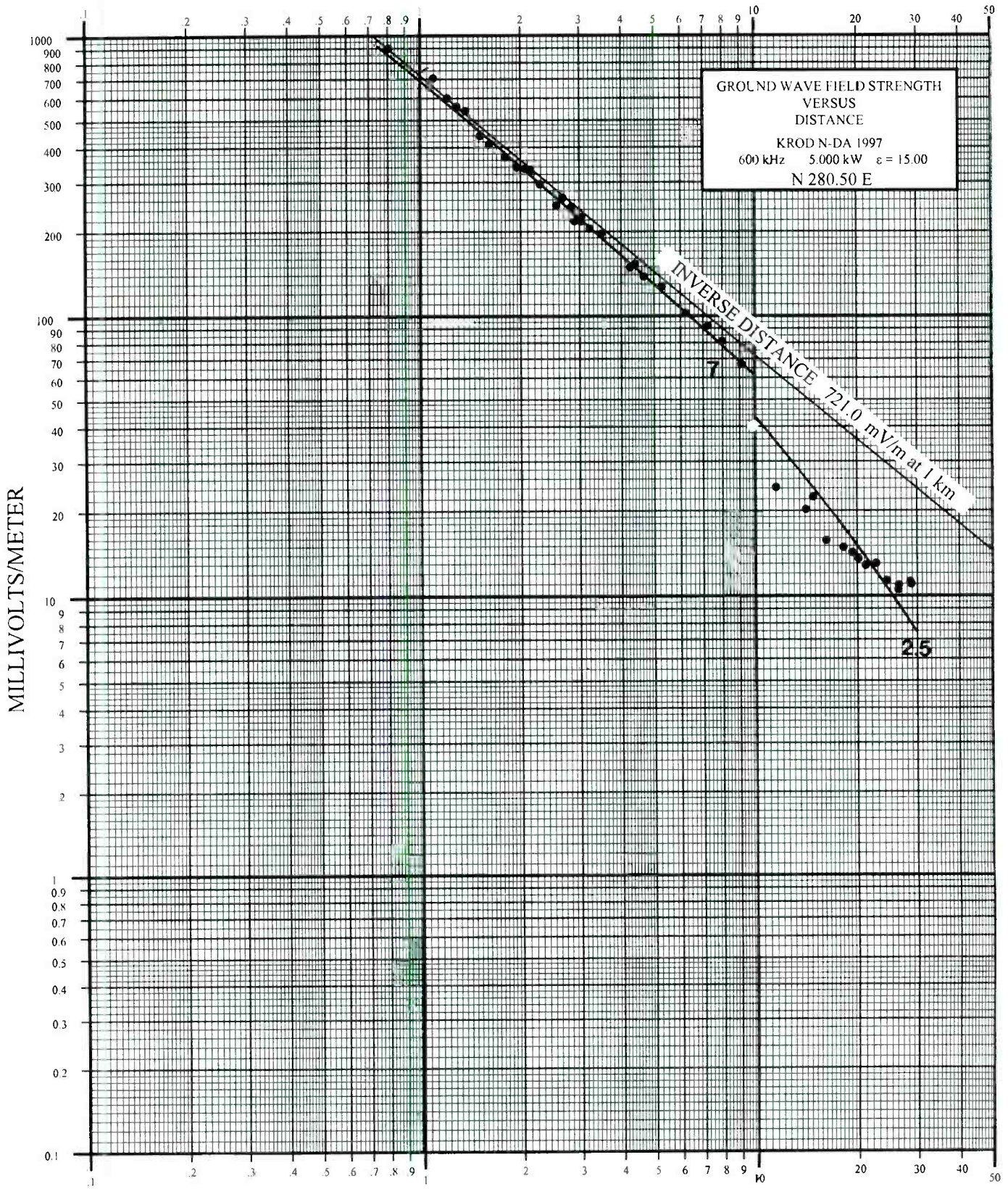
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 280.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.89	3.04	22.200	218.000	0.102
2	2.00	3.22	21.900	205.000	0.107
3	2.16	3.48	23.300	196.000	0.119
4	2.64	4.25	19.700	149.000	0.132
5	2.73	4.39	19.000	153.000	0.124
6MP	2.90	4.67	19.800	138.000	0.143
7	3.28	5.28	18.200	127.000	0.143
8	3.87	6.23	14.500	102.000	0.142
9	4.50	7.24	15.800	92.000	0.172
10	4.96	7.98	13.000	81.000	0.160
11	5.65	9.09	10.600	67.000	0.158
12	7.15	11.51	4.250	24.200	0.176
13	8.77	14.11	4.450	20.200	0.220
14	9.21	14.82	4.150	22.400	0.185
15	10.07	16.21	2.280	15.700	0.145
16	11.30	18.19	3.700	14.800	0.250
17	12.01	19.33	3.100	14.200	0.218
18	12.52	20.15	1.780	13.500	0.132
19	13.15	21.16	1.420	12.800	0.111
20	14.12	22.72	2.200	13.000	0.169
21	15.15	24.38	2.120	11.300	0.188
22	16.40	26.39	1.680	10.500	0.160
23	16.45	26.47	1.810	10.900	0.166
24	17.77	28.60	1.500	11.200	0.134
25	17.90	28.81	1.550	11.010	0.141

THE AVERAGE RATIO IS : 0.156

INVERSE FIELD = 0.156 * 721.0 = 112.5 MV/M

KILOMETERS FROM ANTENNA



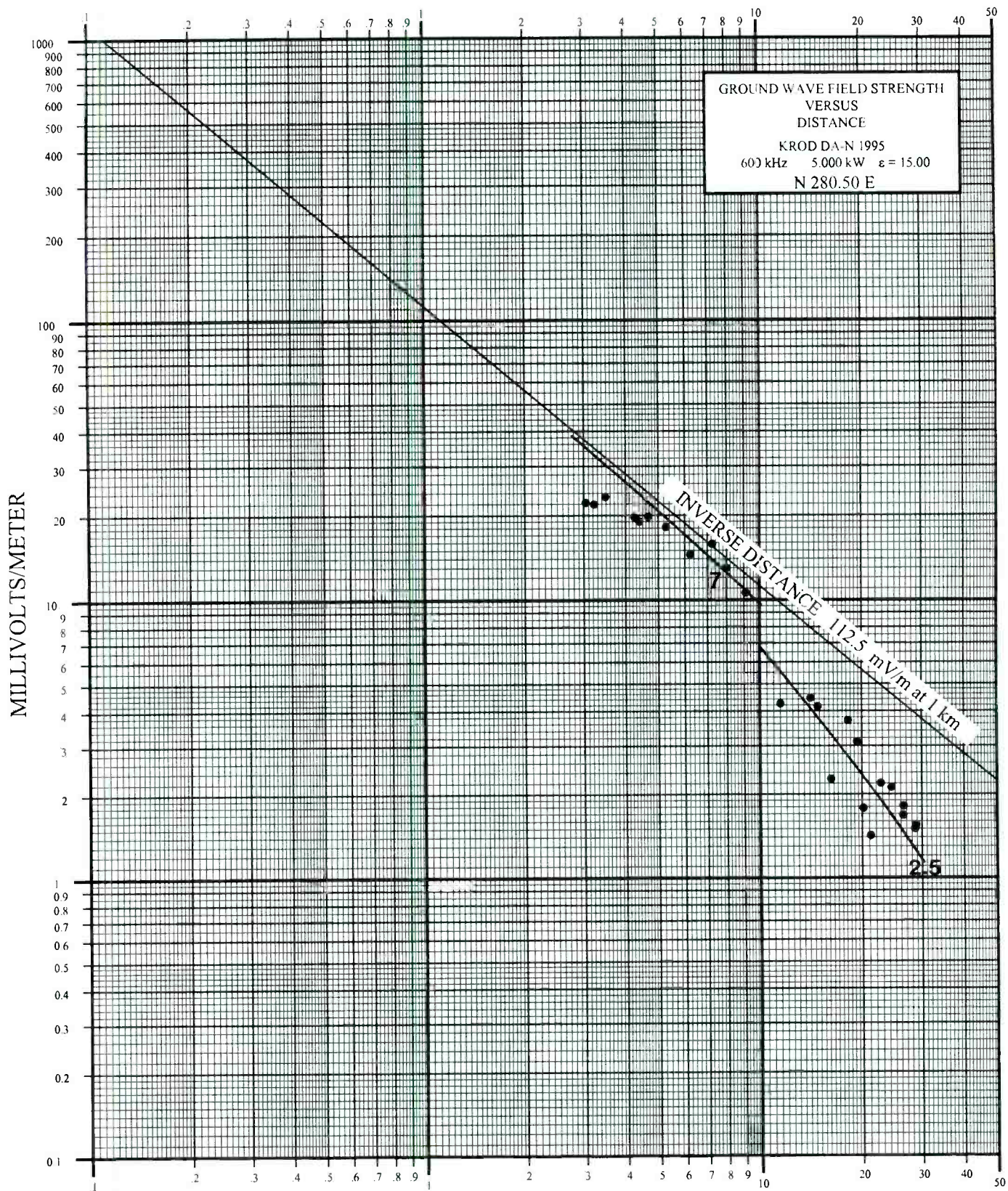
N-DA RADIAL N-280.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 13-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-280.5 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 13-C
November 1997**

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 304.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1730.000	-
C2	0.41	0.66	-	1080.000	-
C3	0.50	0.80	-	920.000	-
C4	0.72	1.16	-	615.000	-
C5	0.81	1.30	-	505.000	-
C6	0.91	1.46	-	440.000	-
C7	0.99	1.59	-	435.000	-
C8	1.08	1.74	-	350.000	-
C9	1.18	1.90	-	322.000	-
C10	1.29	2.08	-	302.000	-
C11	1.39	2.24	-	294.000	-
C12	1.48	2.38	-	263.000	-
C13	1.57	2.53	-	265.000	-
C14	1.67	2.69	-	229.000	-
C15	1.79	2.88	-	228.000	-
C16	1.85	2.98	-	219.000	-
C17	1.90	3.06	-	206.000	-
C18	1.96	3.15	-	205.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 684.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

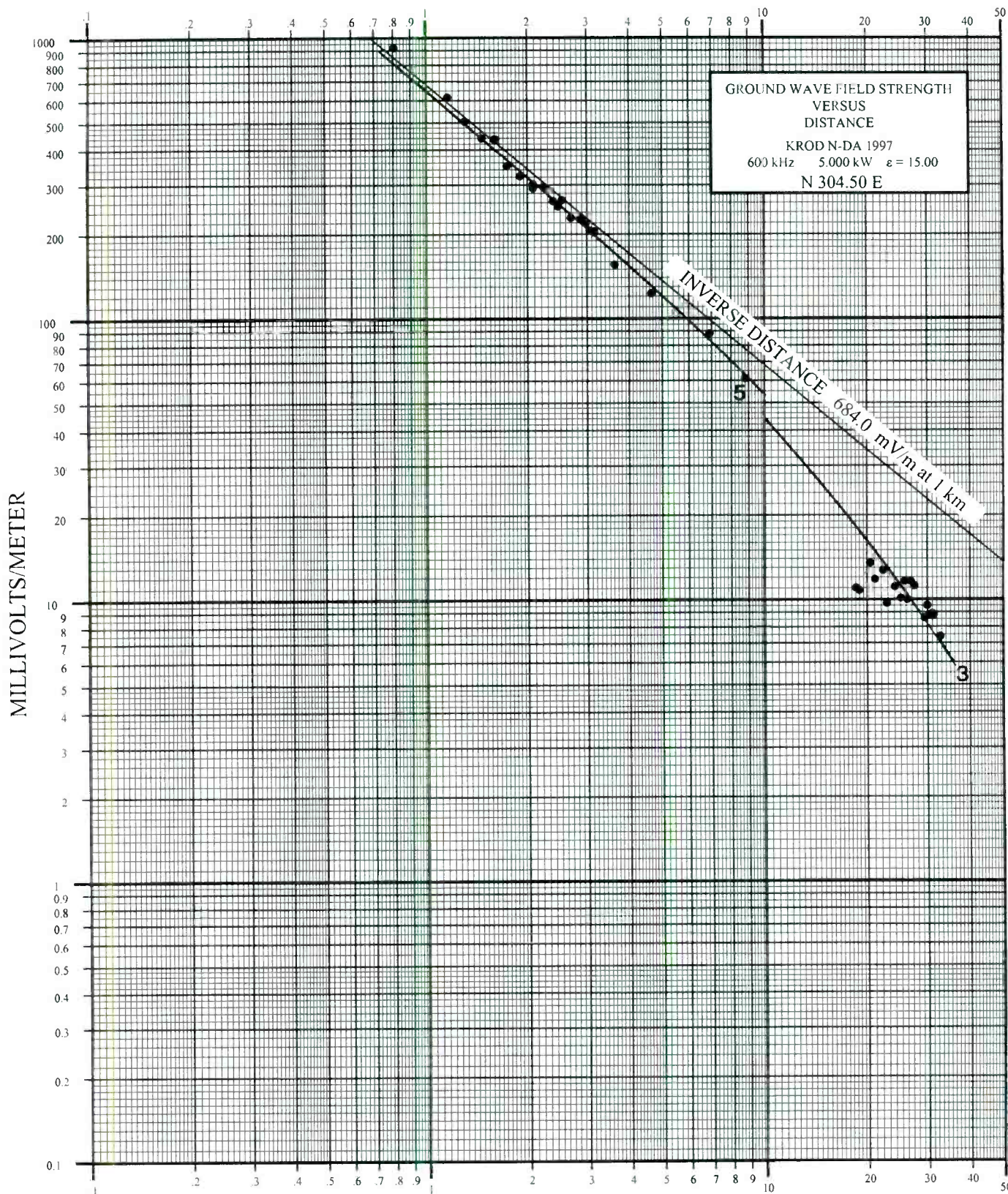
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 304.50

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.00	1.61	88.500	435.000	0.203
2	1.29	2.08	61.900	292.000	0.212
3	1.53	2.46	55.800	252.000	0.221
4	1.96	3.15	42.900	203.000	0.211
5	2.25	3.62	35.700	156.000	0.229
6	2.89	4.65	24.600	123.000	0.200
7	4.48	7.21	22.700	111.000	0.205
8	4.29	6.90	20.000	88.000	0.227
9	5.45	8.77	14.100	61.000	0.231
10	11.53	18.56	2.200	11.000	0.200
11	11.76	18.93	2.390	10.800	0.221
12	12.69	20.42	3.310	13.500	0.245
13	13.10	21.08	2.950	11.800	0.250
14	13.83	22.26	3.250	12.700	0.256
15	14.19	22.84	1.800	9.700	0.186
16	14.97	24.09	1.750	11.100	0.158
17	15.57	25.06	2.680	10.100	0.265
18	16.01	25.77	2.620	11.600	0.226
19	16.28	26.20	2.380	10.000	0.238
20	16.65	26.80	3.150	11.600	0.272
21	17.05	27.44	3.190	11.200	0.285
22	18.28	29.42	1.750	8.600	0.203
23	18.63	29.98	2.150	9.500	0.226
24	18.88	30.38	2.100	8.800	0.239
25	19.07	30.69	2.000	8.750	0.229
26	19.26	31.00	1.960	8.900	0.220
27	19.44	31.29	1.820	8.800	0.207
28	20.34	32.73	1.450	7.400	0.196

THE AVERAGE RATIO IS : 0.224

INVERSE FIELD = 0.224 * 684.0 = 153.2 MV/M

KILOMETERS FROM ANTENNA



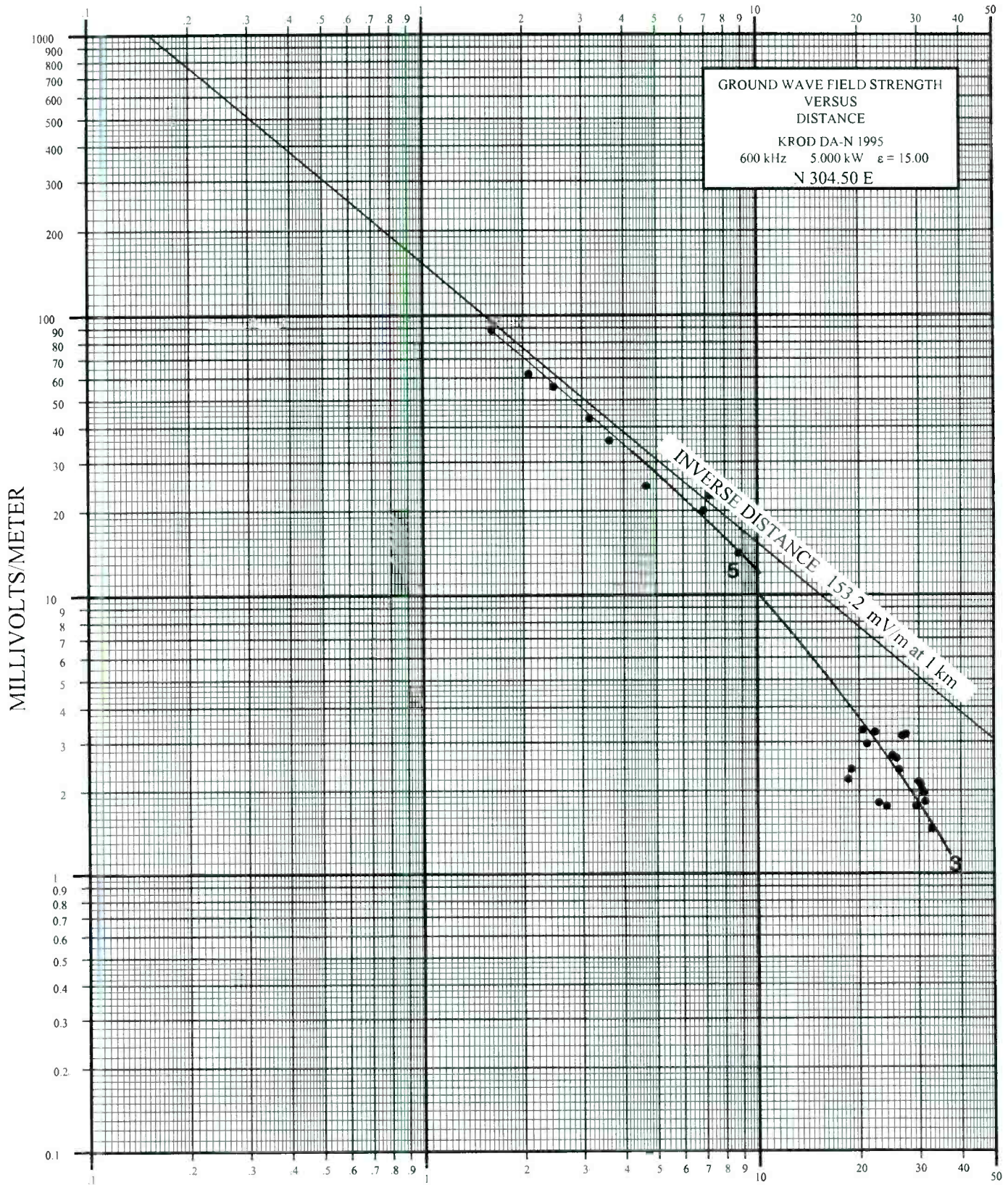
N-DA RADIAL N-304.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 14-B
November 1997

KILOMETERS FROM ANTENNA



DA-N RADIAL N-304.5 E

Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U

R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855

Figure 14-C
November 1997

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 324.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1410.000	-
C2	0.39	0.63	-	1660.000	-
C3	0.52	0.84	-	810.000	-
C4	0.60	0.97	-	740.000	-
C5	0.71	1.14	-	585.000	-
C6	0.82	1.32	-	485.000	-
C7	0.96	1.54	-	435.000	-
C8	1.04	1.67	-	385.000	-
C9	1.14	1.83	-	359.000	-
C10	1.21	1.95	-	335.000	-
C11	1.28	2.06	-	319.000	-
C12	1.36	2.19	-	290.000	-
C13	1.43	2.30	-	285.000	-
C14	1.52	2.45	-	258.000	-
C15	1.63	2.62	-	245.000	-
C16	1.73	2.78	-	224.000	-
C17	1.81	2.91	-	212.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 656.6 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

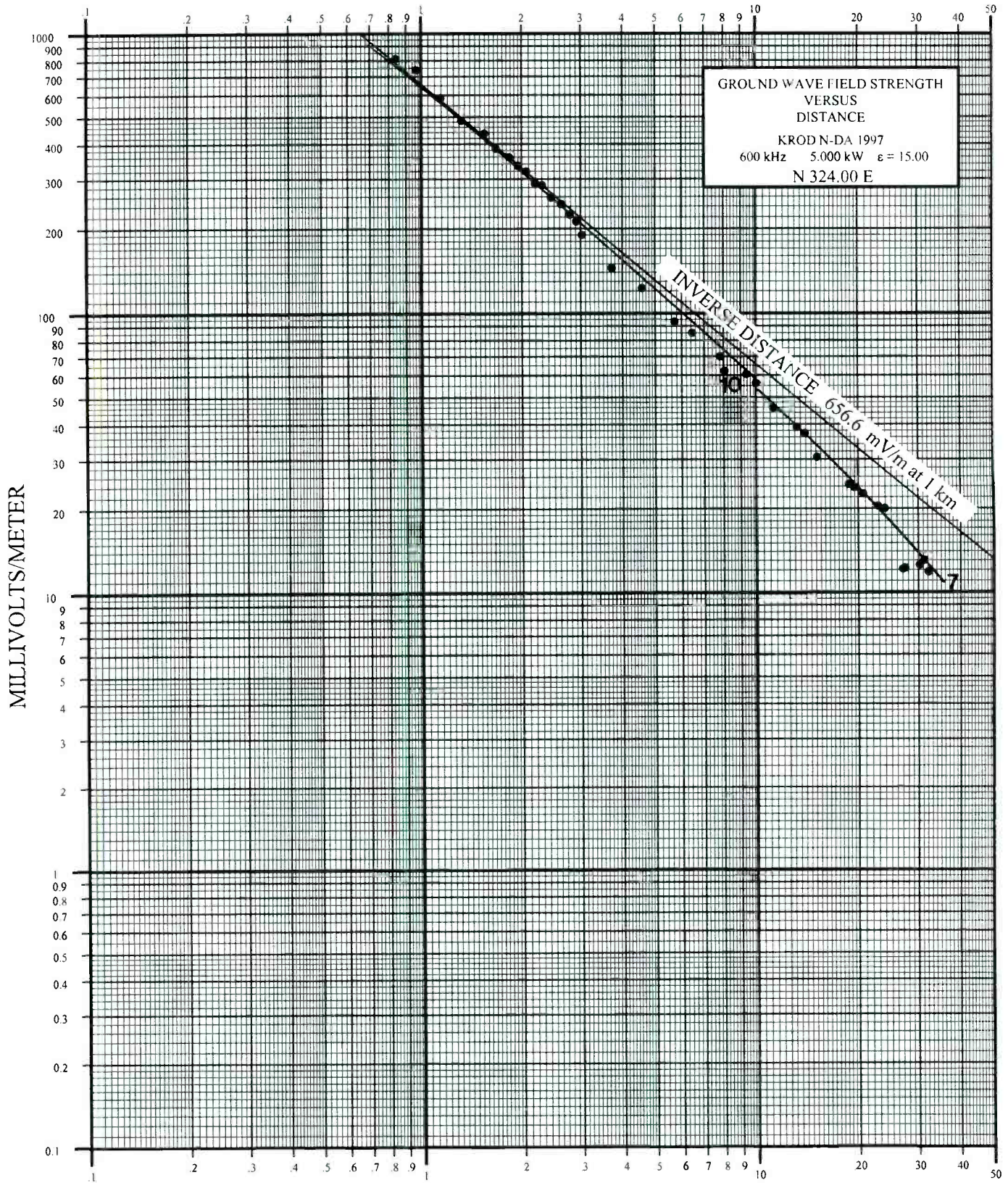
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 324.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	1.88	3.03	20.500	190.000	0.108
2MP	2.31	3.72	13.500	145.000	0.093
3	2.84	4.57	12.600	123.000	0.102
4	3.55	5.71	9.400	93.000	0.101
5	4.01	6.45	7.950	85.000	0.094
6	4.85	7.81	6.800	70.000	0.097
7	5.00	8.05	6.100	62.100	0.098
8	5.80	9.33	4.200	60.500	0.069
9	6.20	9.98	5.300	56.200	0.094
10	6.98	11.23	3.850	45.800	0.084
11	8.20	13.20	2.890	39.000	0.074
12	8.64	13.90	2.820	37.100	0.076
13	9.38	15.10	2.000	30.500	0.066
14	11.65	18.75	2.460	24.400	0.101
15	12.09	19.46	2.680	23.800	0.113
16	12.84	20.66	2.250	22.600	0.100
17	14.20	22.85	2.200	20.400	0.108
18	14.88	23.95	2.300	20.000	0.115
19	16.78	27.00	0.960	12.100	0.079
20	17.03	27.41	1.050	12.200	0.086
21	18.79	30.24	1.290	12.500	0.103
22	19.41	31.24	1.460	13.000	0.112
23	19.97	32.14	1.310	11.800	0.111

THE AVERAGE RATIO IS : 0.095

INVERSE FIELD = 0.095 * 656.6 = 62.4 MV/M

KILOMETERS FROM ANTENNA



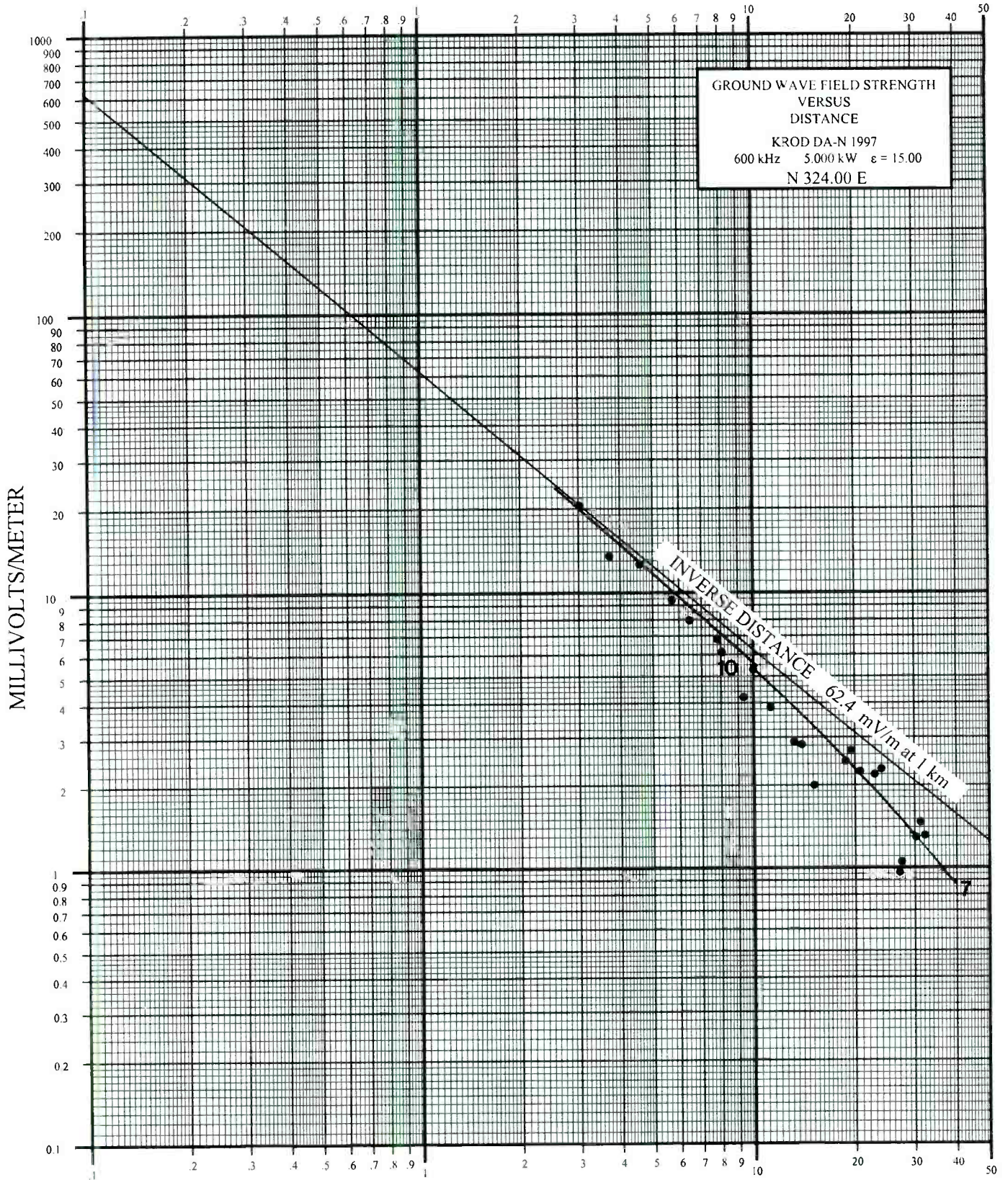
N-DA RADIAL N-324.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 15-B
November 1997**

KILOMETERS FROM ANTENNA



DA-N RADIAL N-324.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 15-C
November 1997**

KROD RADIO
El Paso, Texas
SEPTEMBER 1997
CLOSE IN FIELD INTENSITY MEASUREMENTS
BEARING IN DEGREES 345.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
C1	0.30	0.48	-	1520.000	-
C2	0.40	0.64	-	1100.000	-
C3	0.49	0.79	-	840.000	-
C4	0.61	0.98	-	718.000	-
C5	0.71	1.14	-	618.000	-
C6	0.81	1.30	-	505.000	-
C7	0.90	1.45	-	448.000	-
C8	1.00	1.61	-	410.000	-
C9	1.11	1.79	-	370.000	-
C10	1.22	1.96	-	326.000	-
C11	1.30	2.09	-	310.000	-
C12	1.41	2.27	-	278.000	-
C13	1.50	2.41	-	261.000	-
C14	1.60	2.57	-	255.000	-
C15	1.70	2.74	-	220.000	-
C16	1.80	2.90	-	217.000	-
C17	1.90	3.06	-	201.000	-
C18	1.96	3.15	-	206.000	-

THE NON-DIRECTIONAL INVERSE FIELD = 647.0 MV/M

KROD RADIO

El Paso, Texas

1995 PROOF

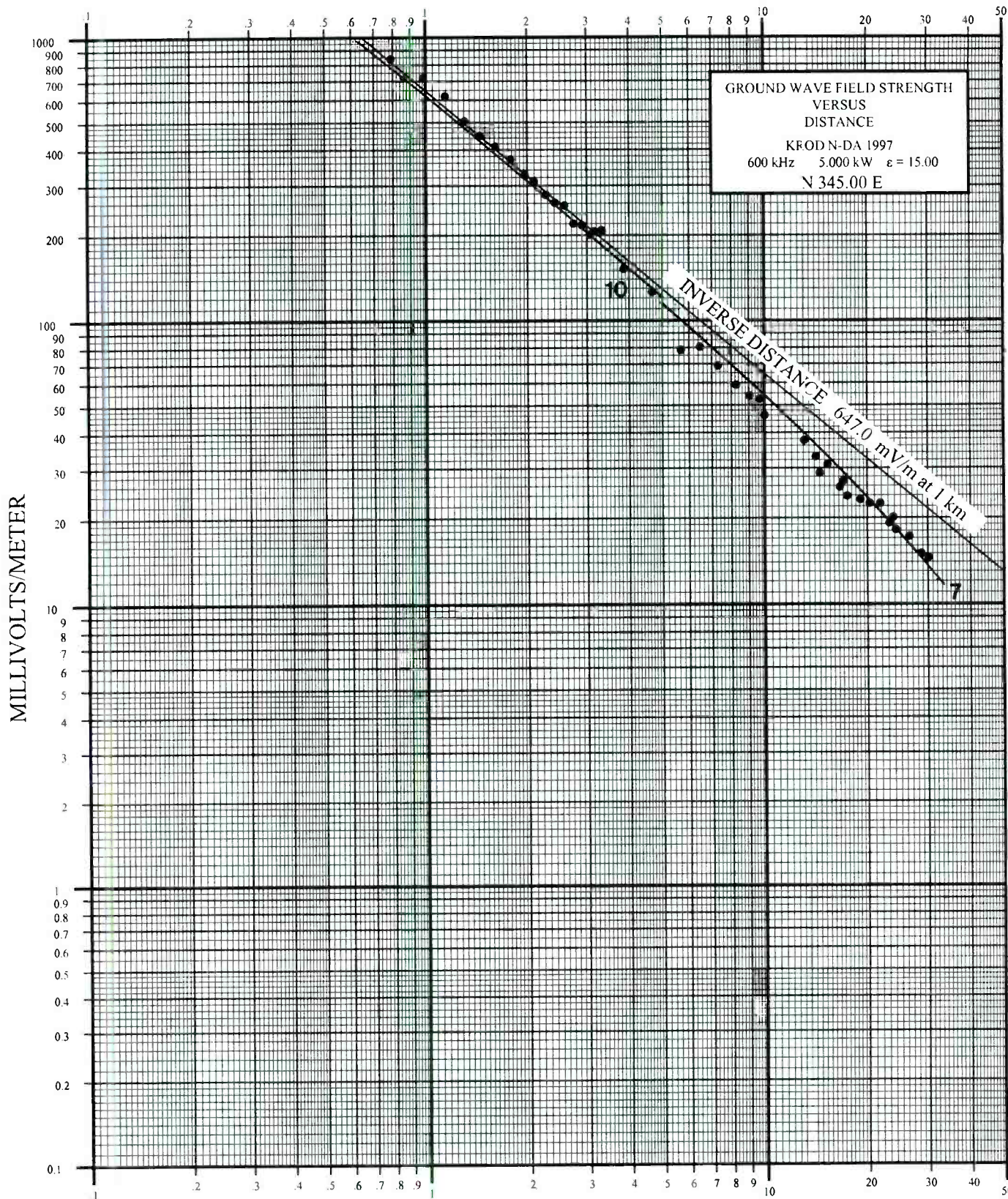
TABULATION OF FIELD INTENSITY MEASUREMENTS BEARING IN DEGREES 345.00

POINT #	DISTANCE (MILES)	DISTANCE (KILOMETERS)	DA (MV/M)	N-DA (MV/M)	RATIO DA/N-DA
*****	*****	*****	*****	*****	*****
1	2.06	3.32	102.000	208.000	0.490
2	2.39	3.85	72.000	152.000	0.474
3	2.90	4.67	59.500	126.000	0.472
4	3.53	5.68	37.500	78.500	0.478
5	4.02	6.47	36.700	80.500	0.456
6	4.54	7.31	34.200	69.000	0.496
7	5.13	8.26	28.000	59.000	0.475
8	5.62	9.04	26.000	53.900	0.482
9	6.01	9.67	24.900	52.500	0.474
10	6.22	10.01	20.700	46.000	0.450
11	8.12	13.07	18.200	37.500	0.485
12	8.78	14.13	16.000	32.900	0.486
13	9.02	14.52	13.500	28.800	0.469
14	9.51	15.30	14.200	30.900	0.460
15	10.32	16.61	12.000	25.700	0.467
16	10.58	17.03	12.200	27.000	0.452
17	10.85	17.46	10.900	23.900	0.456
18	11.87	19.10	11.700	23.200	0.504
19	12.63	20.33	11.000	22.500	0.489
20	13.54	21.79	10.900	22.500	0.484
21	14.40	23.17	11.700	19.200	0.609
22	14.78	23.79	11.000	20.100	0.547
23	15.05	24.22	9.400	18.200	0.516
24	16.48	26.52	8.500	17.250	0.493
25	17.85	28.73	6.800	15.000	0.453
26	18.70	30.09	7.000	14.500	0.483

THE AVERAGE RATIO IS : 0.485

INVERSE FIELD = 0.485 * 647.0 = 313.5 MV/M

KILOMETERS FROM ANTENNA



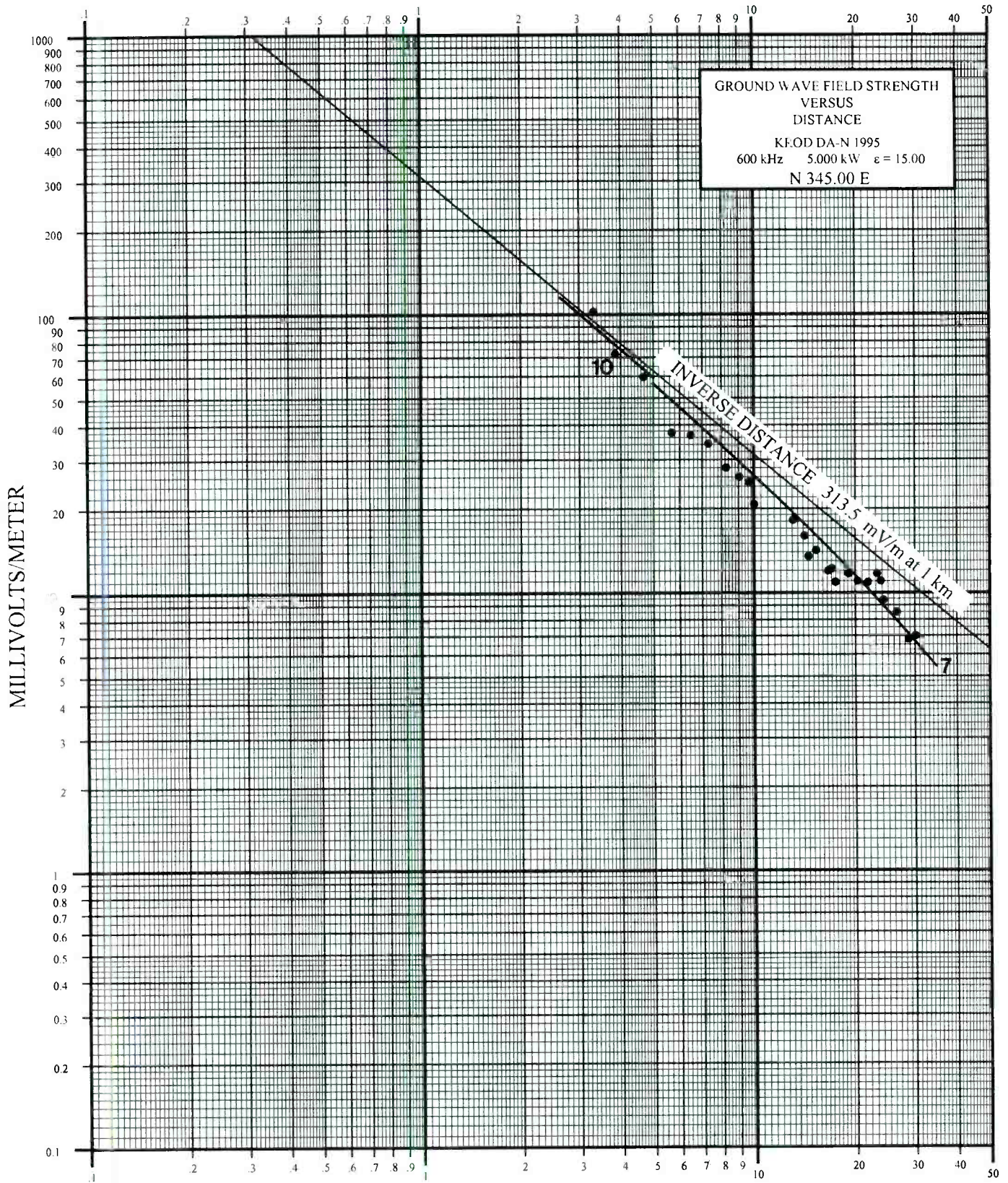
N-DA RADIAL N-345.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 16-B
November 1997**

KILOMETERS FROM ANTENNA



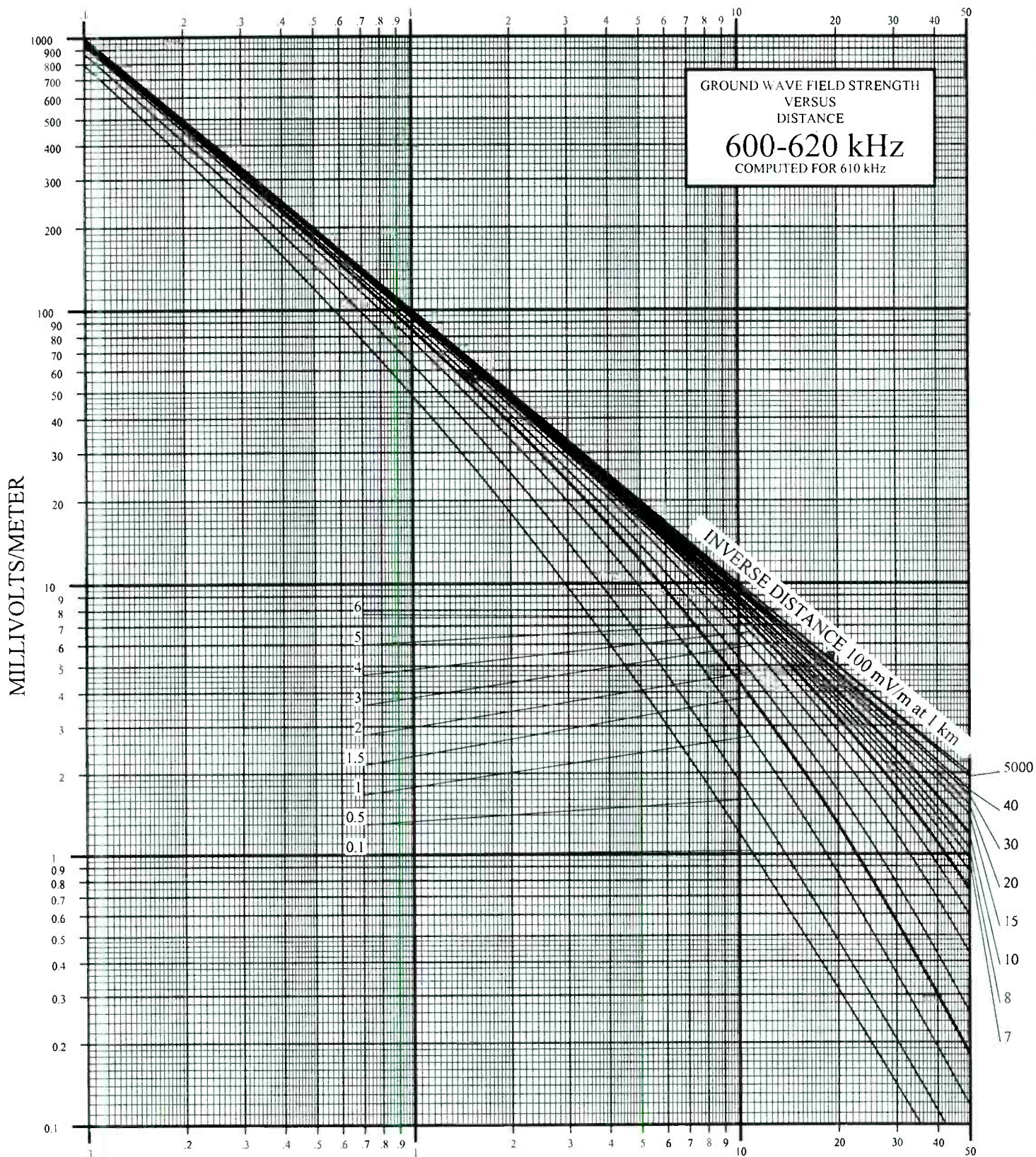
DA-N RADIAL N-345.0 E

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 16-C
November 1997**

KILOMETERS FROM ANTENNA



GRAPH 3 - A

STANDARD CURVES

**Radio Station KROD
El Paso, Texas
600 kHz 5.0 kW DA-N-U**

**R. Morgan Burrow, P.E. & Assoc., P.C.
Derwood, Maryland 20855**

**Figure 17
October 1997**

FIGURE 19-A

NEW WAVE COMMUNICATIONS, L.P.
RADIO STATION KROD
600 kHz 5 kW DA-N-U
El Paso, Texas

TABULATION OF MEASURED INVERSE FIELDS

All radiations mV/m at one kilometer
N-D fields from FCC file BL-790705AC

Azimuth	Non-Directional Day	Directional Night
5.5	684.0	554.0
25.0	635.7	381.4
44.5	667.9	65.5
59.0	667.9	68.1
76.5	663.0	37.8
102.0	661.4	420.0
125.5	688.8	670.2
142.0	667.9	488.9
157.0	655.0	122.5
180.0	664.7	1135.9
203.5	724.2	1784.4 *
229.5	719.4	1171.9 *
280.5	721.0	112.5 *
304.5	684.0	153.2 *
324.0	656.6	62.4
345.0	647.0	313.5

* Augmentation requested in BP-951207AC as amended