

APPENDIX A - AMENDED  
FIELD STRENGTH MEASUREMENT DATA  
WPEN, PHILADELPHIA, PENNSYLVANIA  
950 kHz – Proposed 43 kW (Day) – DA-2

*Supplement to Exhibit 14 & 15*  
*Engineering Data*

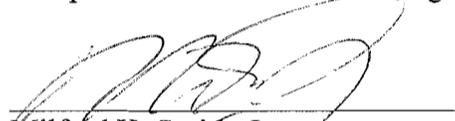
Affidavit

I am employed as Vice President of Engineering for Greater Media, Inc, the parent of Greater Philadelphia Radio, Inc., licensee of WPEN (AM) Philadelphia, PA. I have held this position the past 24 years and have over 40 years of experience in the field of broadcast engineering. My qualifications are a matter of record in the Federal Communications Commission. My experience in the taking of AM field strength measurements is extensive, running to the thousands of hours.

All measurements contained in the instant application on the WPEN 180 degree and WTGM 25 degree radials were taken by me.

The undersigned utilized a Potomac Model FIM-21 s/n1014 last calibrated on January 19, 2005.

I believe the data submitted to be true and accurate and collected utilizing good engineering practice and in conformance with all pertinent FCC Rules and Regulations.

  
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Milford K. Smith, Jr.  
Vice President/Engineering  
Greater Media, Inc.

3-20-2008  
Date

TABULATION OF  
FIELD STRENGTH MEASUREMENTS  
WPEN, PHILADELPHIA, PA  
950 KHZ 5 kW DA-N  
SEPTEMBER 2005

N 180° E

<u>Point No.</u>	<u>Distance km</u>	<u>Date</u>	<u>Time</u>	<u>5 kW ND-D mV/m</u>
1	30.6	4/4/96	1140	3.30
2	32.4	"	1153	2.90
3	35.3	"	1200	2.10
4	37.5	"	1218	2.00
5	39.5	"	1223	1.90
6	41.7	"	1231	1.30
7	45.1	"	1240	0.900
8	47.7	"	1250	0.850
9	50.1	"	1301	0.560
10	53.8	"	1311	0.47
11	56.6	"	1318	0.34
12	57.7	"	1322	0.28
13	59.1	"	1327	0.22
14	60.4	"	1336	0.19
15	61.2	8/8/05	1316	0.21
16	62.5	"	1322	0.20
17	64.1	"	1326	0.19
18	64.5	"	1330	0.21
19	67.3	"	1358	0.29
20	69.7	"	1407	0.28
21	70.3	"	1412	0.330
22	72.3	"	1425	0.330
23	73.5	"	1429	0.350
24	75.8	"	1457	0.310
25	79.5	"	1524	0.340
26	130.1	9/14/05	1318	0.290
27	135.7	"	1334	0.200
28	140.0	"	1346	0.120
29	146.2	"	1356	0.080
30	149.8	"	1413	0.065
31	154.8	"	1425	0.060
32	159.9	"	1440	0.048

Radial was re-measured from 55.2 km to 159.9 km in August 2007

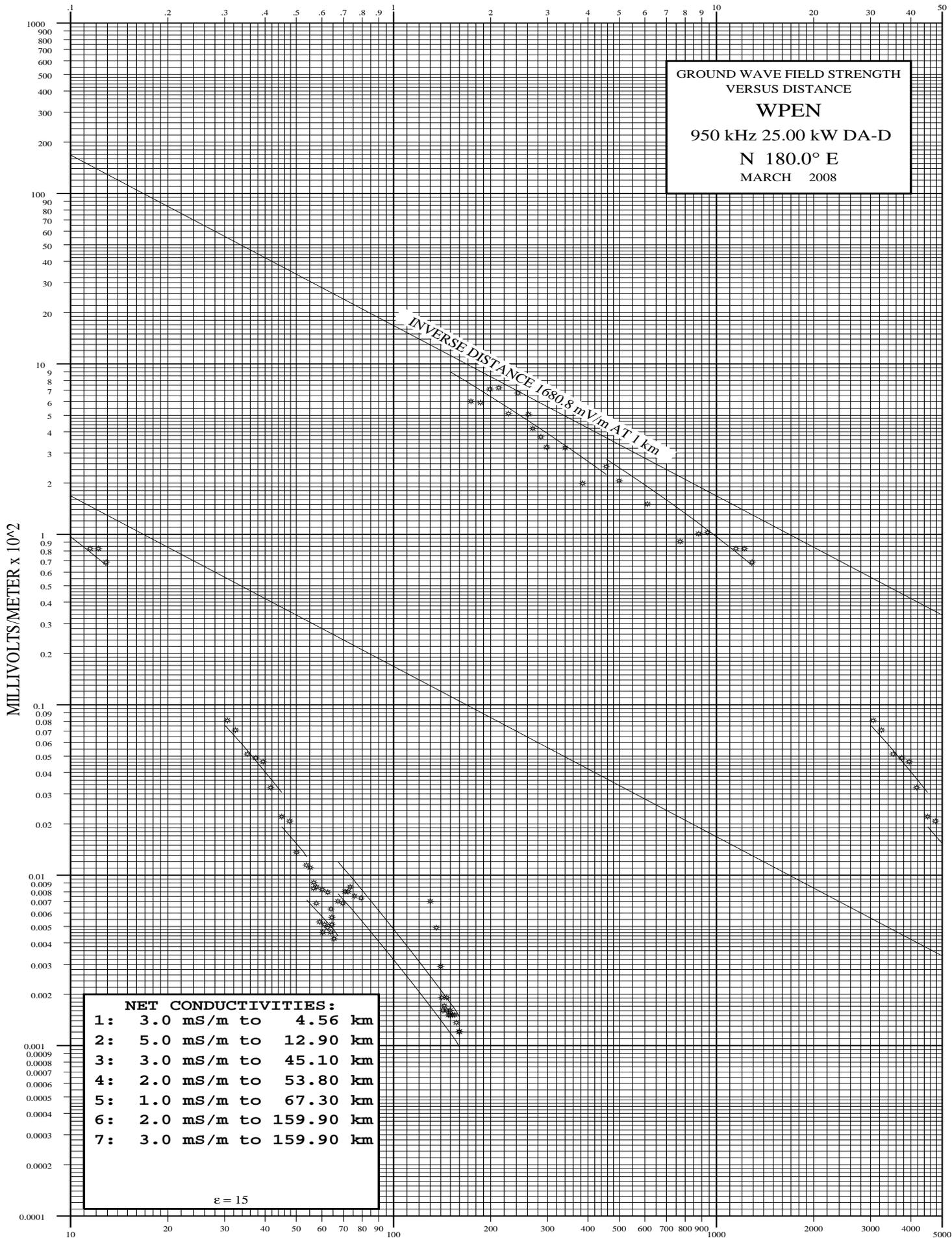
Note: 5 kW Field strength adjusted to 25 kW for plotting.

TABULATION OF  
ADDITIONAL FIELD STRENGTH MEASUREMENTS  
WPEN, PHILADELPHIA, PA  
950 KHZ 25 kW DA-D  
MARCH 2008

N 180° E

<u>Point No.</u>	<u>Distance km</u>	<u>Date</u>	<u>Time</u>	<u>25 kW DA-D mV/m</u>
1	55.2	8/3/2007	944	1.00
2	56.7	"	956	0.90
3	57.8	"	1004	0.85
4	60.2	"	1006	0.82
5	62.6	"	1013	0.79
6	64.1	"	1019	0.63
7	64.5	"	1028	0.56
8	65.5	"	1035	0.42
9	67.3	"	1058	0.70
10	141.2	8/2/2007	1215	0.19
11	142.5	"	1220	0.16
12	143.8	"	1225	0.17
13	146.1	"	12.31	0.16
14	148.3	"	1237	0.15
15	149.8	"	1248	0.15
16	152.7	"	1300	0.15
17	156.6	"	1315	0.135
18	159.9	"	1323	0.12

KILOMETERS FROM ANTENNA



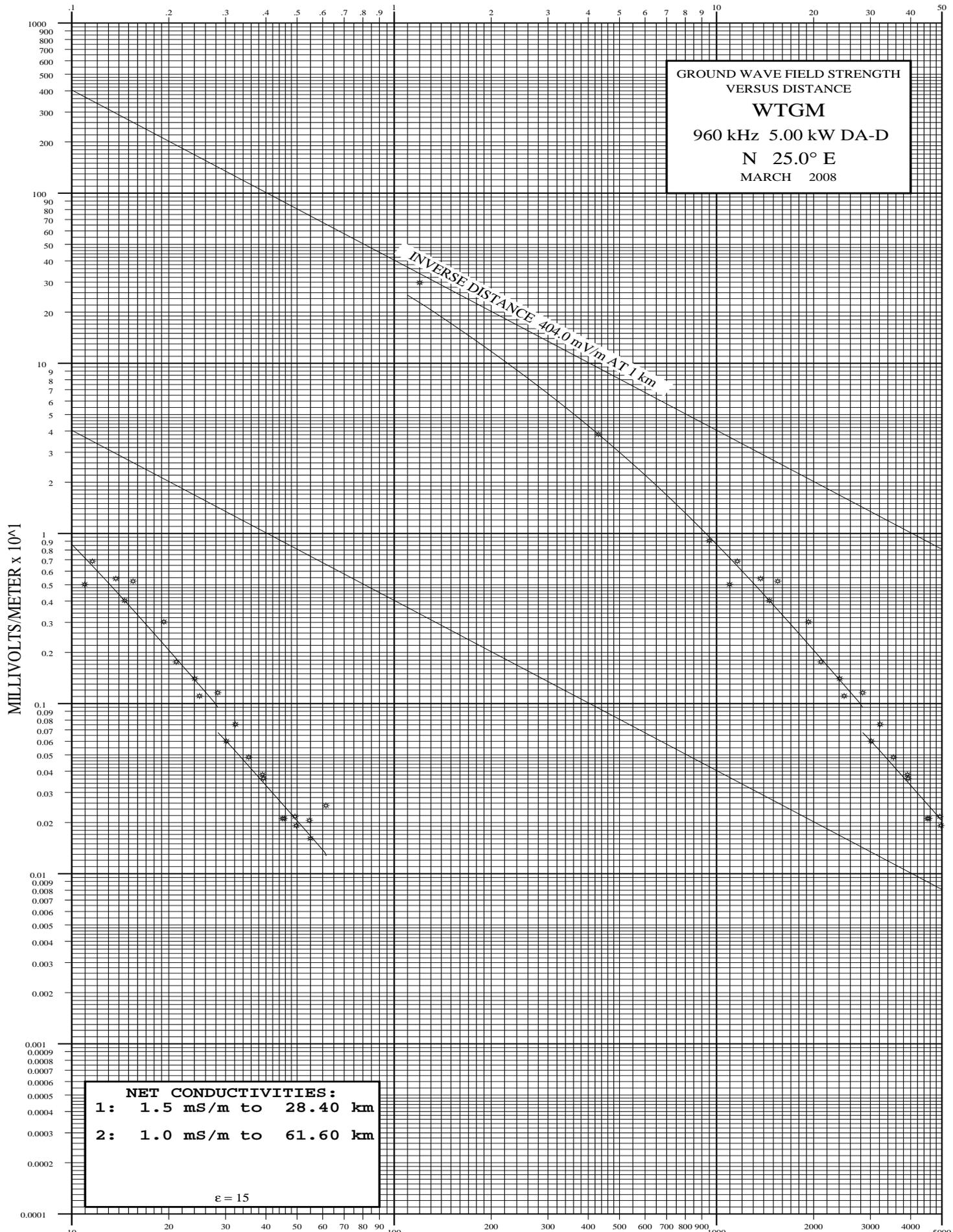
TABULATION OF  
FIELD STRENGTH MEASUREMENTS  
WTGM, SALISBURY, MD  
960 KHZ 5 kW DA-2  
MARCH 2008

N 25° E

<u>Point No.</u>	<u>Distance km</u>	<u>Date</u>	<u>Time</u>	<u>5 kW ND-D mV/m</u>
1	1.2	7/27/1998	944	295.00
2	4.3	"	1002	38.00
3	9.5	"	1028	9.00
4	11.6	"	1043	6.80
5	13.7	"	1137	5.40
6	15.5	"	1145	5.20
7	21.1	"	1158	1.750
8	24.1	"	1221	1.400
9	28.4	"	1229	1.150
10	32.2	"	1243	0.75
11	39.1	"	1245	0.38
12	45.6	"	1258	0.21
13	49.3	"	1302	0.215
14	54.6	"	1321	0.205
15	61.5	"	1331	0.25
3A	11.0	3/14/2008	1210	5.00
5A	14.6	"	1223	4.00
6A	19.3	"	1234	3.00
8A	24.9	"	1248	1.10
9A	30.2	"	1259	0.60
10A	35.4	"	1313	0.48
11A	39.3	"	1323	0.36
11B	45.1	"	1333	0.21
12A	49.2	"	1346	0.19
14A	55.0	"	1359	0.16

Points 1 through 15 from 1998 data, Points designated with A measured in March 2008

KILOMETERS FROM ANTENNA

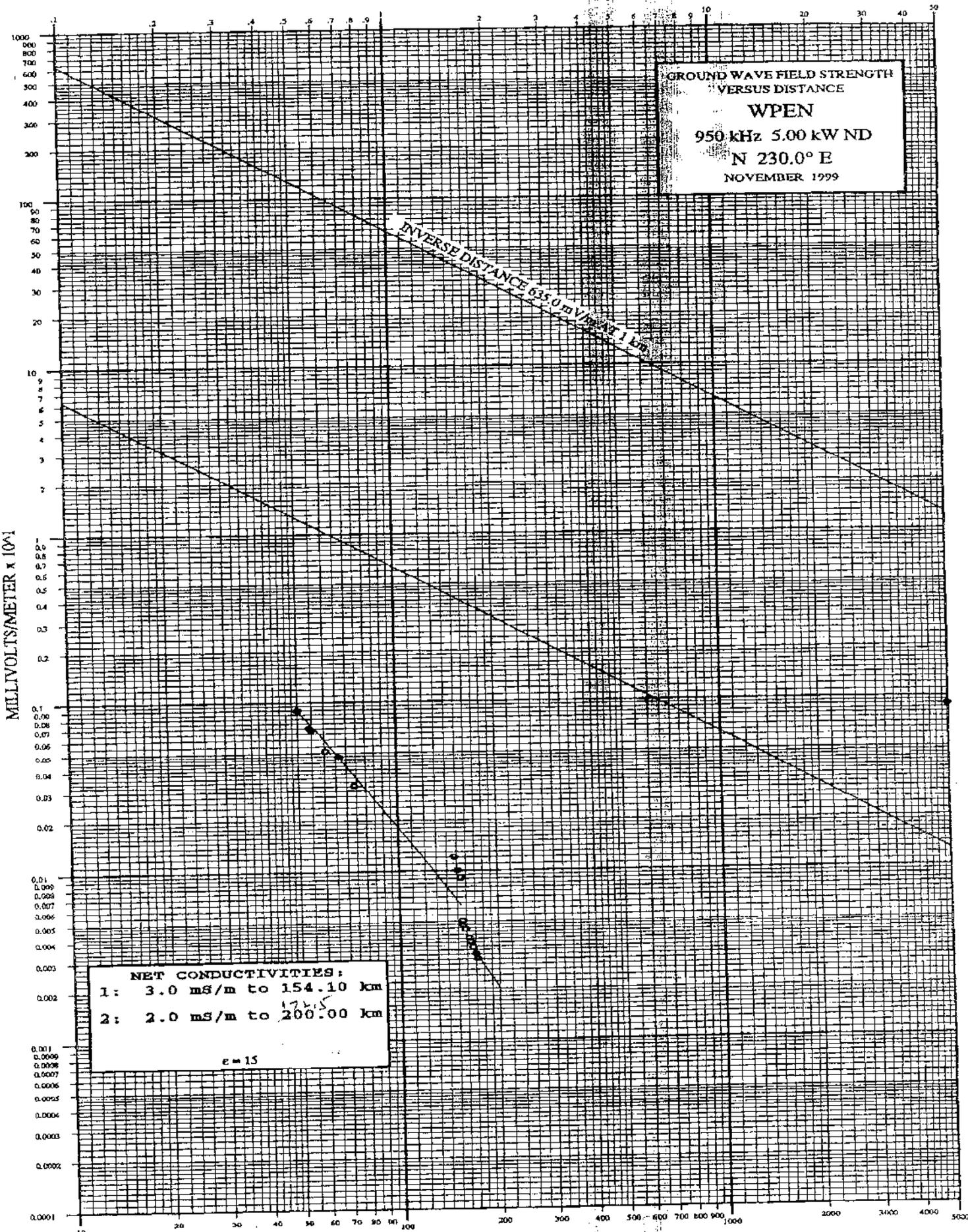


GROUND WAVE FIELD STRENGTH  
VERSUS DISTANCE  
**WTGM**  
960 kHz 5.00 kW DA-D  
N 25.0° E  
MARCH 2008

INVERSE DISTANCE 404.0 mV/m AT 1 km

NET CONDUCTIVITIES:  
1: 1.5 mS/m to 28.40 km  
2: 1.0 mS/m to 61.60 km  
ε = 15

KILOMETERS FROM ANTENNA



GROUND WAVE FIELD STRENGTH  
 VERSUS DISTANCE  
**WPEN**  
 950 kHz 5.00 kW ND  
 N 230.0° E  
 NOVEMBER 1999

INVERSE DISTANCE 635.0 mV/m at 1 km

NET CONDUCTIVITIES:  
 1: 3.0 mS/m to 154.10 km  
 2: 2.0 mS/m to 200.00 km  
 e = 15

KILOMETERS FROM ANTENNA  
 COHEN, DIPPILL, and EVERIST, P.C.

