

Exhibit 14-6
 Tabulation of Azimuths, Fields & Conductivities
 KTLK Proposed Site
 (KEX Licensed Site)

JOB ID. CODE: PORTLAND, OR D P

Call letters: KTLK

Coordinates: N 45 25 20 W 122 33 57

Frequency: 620 kHz Dielectric constant: 15.0

Azimuth	Radiation (mW/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							

.0	1305.63	4.0M	40.0	3.0M	60.0	1.5M	110.0	1.0M	130.0
		4.0E	165.8	2.0E	202.0	8.0E	214.6	2.0E	238.4
		8.0E	240.9	40.0E	256.4	2.0E	265.9	40.0E	268.1
		2.0E	278.6	40.0E	279.8	5000.0E	333.5	2.0E	343.1
		5000.0E	371.0	4.0E	437.3	1.0E	641.7	2.0E	1095.7
		1.0E	1200.0						
5.0	1193.05	4.0M	40.0	3.0M	60.0	1.5M	110.0	1.0M	130.0
		4.0E	284.1	5000.0E	291.1	4.0E	438.4	1.0E	603.2
		2.0E	805.5	1.0E	1099.2	10.0E	1200.0		
10.0	1096.63	4.0M	40.0	2.0M	75.0	1.5M	110.0	1.0M	160.0
		4.0E	465.3	1.0E	532.6	2.0E	746.6	1.0E	1027.2
		10.0E	1200.0						
15.0	1024.54	4.0M	40.0	2.0M	75.0	1.5M	110.0	1.0M	160.0
		4.0E	412.6	1.0E	484.7	2.0E	706.6	1.0E	975.4
		10.0E	1200.0						
20.0	983.45	4.0M	40.0	2.0M	75.0	1.5M	110.0	1.0M	160.0
		4.0E	425.1	1.0E	479.3	2.0E	668.4	1.0E	944.8
		10.0E	1200.0						
25.0	976.15	4.0E	442.1	1.0E	469.3	2.0E	610.1	1.0E	932.6
		10.0E	1200.0						
30.0	1000.18	4.0E	464.4	2.0E	545.0	1.0E	917.4	10.0E	1033.0
		20.0E	1159.4	10.0E	1200.0				
35.0	1048.77	4.0E	493.8	2.0E	507.8	1.0E	891.9	10.0E	943.3
		20.0E	1134.1	40.0E	1197.9	10.0E	1200.0		

Hatfield & Dawson Consulting Engineers

40.0	1113.41	4.0E	284.7	8.0E	384.7	4.0E	532.5	1.0E	861.6
		20.0E	1000.3	40.0E	1200.0				
45.0	1186.10	4.0E	334.6	8.0E	405.8	4.0E	583.2	1.0E	830.6
		20.0E	924.4	40.0E	1200.0				
50.0	1260.42	2.0M	50.0	1.0M	100.0	1.5M	130.0	4.0E	368.9
		8.0E	412.9	4.0E	653.0	1.0E	803.3	20.0E	877.6
		40.0E	976.6	20.0E	1200.0				
55.0	1331.70	2.0M	50.0	1.0M	100.0	1.5M	130.0	4.0E	356.8
		15.0E	405.5	4.0E	751.0	1.0E	789.6	20.0E	845.0
		40.0E	938.3	20.0E	1200.0				
60.0	1396.76	2.0M	50.0	1.0M	100.0	1.5M	130.0	4.0E	344.1
		15.0E	396.1	8.0E	478.2	1.0E	492.0	4.0E	774.1
		8.0E	881.4	15.0E	901.7	40.0E	916.7	20.0E	1200.0
65.0	1453.56	2.0M	50.0	1.0M	100.0	1.5M	130.0	4.0E	333.7
		15.0E	383.4	8.0E	469.4	1.0E	515.4	4.0E	802.3
		8.0E	857.5	15.0E	990.2	8.0E	1181.3	20.0E	1200.0
70.0	1500.88	2.0M	50.0	1.0M	100.0	1.5M	130.0	8.0E	166.3
		4.0E	325.1	15.0E	375.7	8.0E	469.8	1.0E	526.2
		4.0E	796.3	8.0E	849.8	15.0E	924.1	8.0E	1041.6
		15.0E	1200.0						
75.0	1538.03	2.0M	155.0	8.0E	172.6	4.0E	312.4	15.0E	357.8
		4.0E	393.8	8.0E	502.5	1.0E	543.9	4.0E	958.2
		15.0E	1114.2	8.0E	1200.0				
80.0	1564.68	2.0M	155.0	8.0E	180.9	4.0E	287.5	15.0E	335.9
		4.0E	472.6	8.0E	512.4	1.0E	535.5	4.0E	917.1
		8.0E	1200.0						
85.0	1580.70	2.0M	155.0	8.0E	173.9	15.0E	316.0	4.0E	938.4
		2.0E	1001.9	8.0E	1200.0				
90.0	1586.04	2.0M	155.0	8.0E	165.1	15.0E	266.5	4.0E	964.7
		2.0E	1044.2	8.0E	1200.0				
95.0	1580.70	2.0M	30.0	.5M	70.0	4.0E	100.2	8.0E	163.4
		15.0E	228.2	4.0E	820.2	8.0E	890.2	4.0E	936.5
		2.0E	1071.5	8.0E	1200.0				
100.0	1564.68	2.0M	30.0	.5M	70.0	4.0E	100.5	8.0E	165.2
		15.0E	207.1	4.0E	775.6	8.0E	940.7	2.0E	1015.5
		15.0E	1024.7	2.0E	1141.2	15.0E	1200.0		

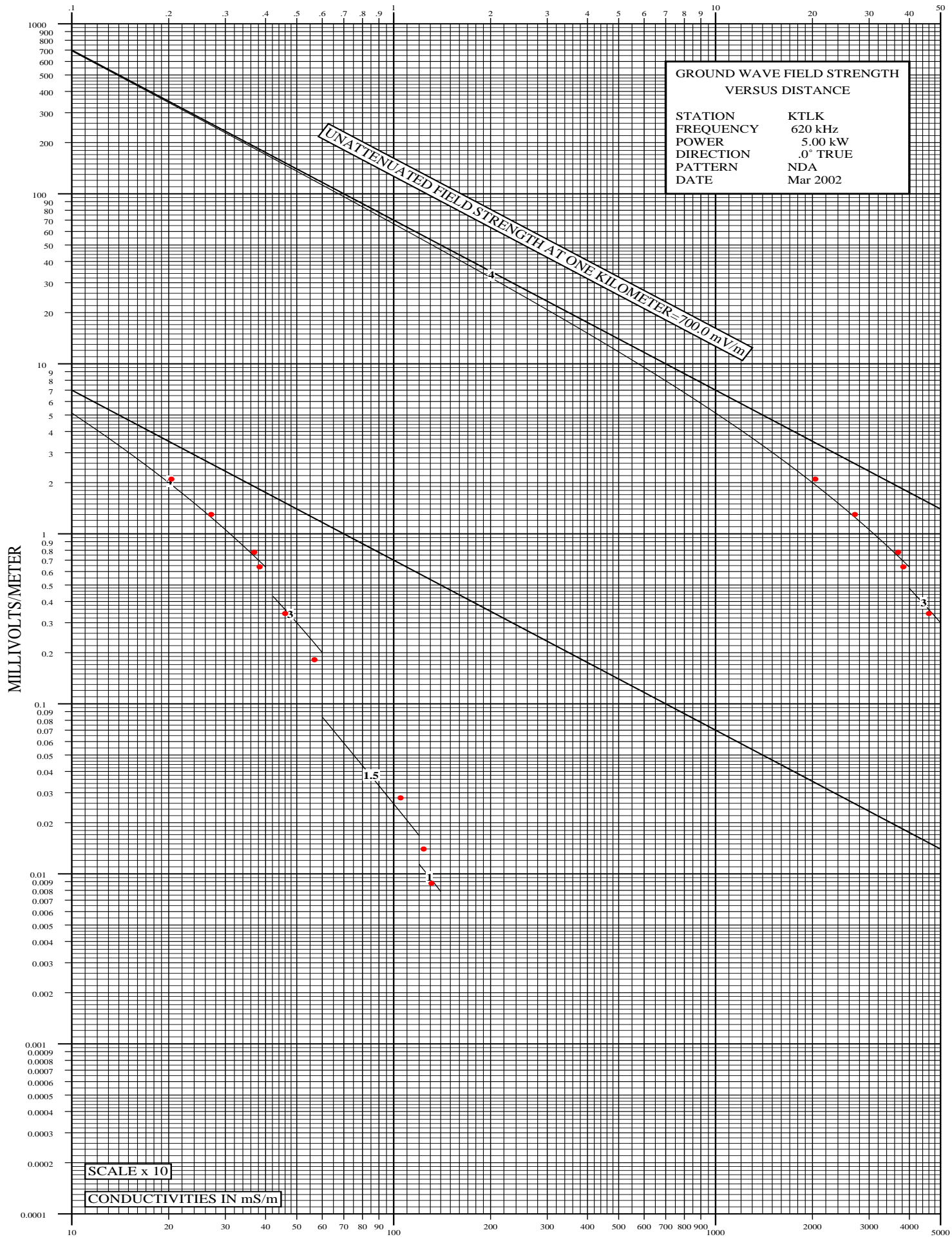
105.0	1538.03	2.0M 30.0	.5M 70.0	4.0E 101.6	8.0E 172.0
		15.0E 191.6	4.0E 530.5	8.0E 1035.1	15.0E 1200.0
110.0	1500.88	2.0M 30.0	.5M 70.0	4.0E 103.5	8.0E 183.3
		4.0E 467.5	8.0E 539.3	4.0E 582.1	8.0E 1047.6
		15.0E 1116.1	8.0E 1179.4	2.0E 1200.0	
115.0	1453.56	4.0E 106.3	8.0E 177.0	4.0E 688.7	8.0E 870.8
		15.0E 977.5	4.0E 1049.8	2.0E 1126.5	15.0E 1200.0
120.0	1396.76	4.0E 110.2	8.0E 172.5	4.0E 710.9	8.0E 921.2
		15.0E 1089.1	4.0E 1137.0	8.0E 1139.4	15.0E 1214.4
125.0	1331.70	4.0E 115.2	8.0E 169.9	4.0E 869.3	8.0E 950.4
		15.0E 1097.3	8.0E 1183.2	15.0E 1200.0	
130.0	1260.42	4.0E 121.7	8.0E 168.9	4.0E 944.6	15.0E 1132.5
		8.0E 1200.0			
135.0	1186.10	4.0E 130.1	8.0E 167.0	4.0E 559.6	8.0E 642.6
		4.0E 1015.3	15.0E 1157.9	30.0E 1200.0	
140.0	1113.41	4.0E 142.8	8.0E 161.7	4.0E 511.3	8.0E 637.6
		4.0E 1093.1	15.0E 1200.0		
145.0	1048.77	4.0E 476.4	8.0E 607.5	4.0E 1105.0	8.0E 1116.7
		15.0E 1200.0			
150.0	1000.18	4.0E 465.8	8.0E 601.0	4.0E 1087.3	8.0E 1200.0
155.0	976.15	4.0E 493.7	8.0E 627.4	4.0E 1173.2	8.0E 1200.0
160.0	983.45	6.0M 50.0	3.0M 145.0	2.0M 170.0	4.0E 343.8
		8.0E 374.9	4.0E 517.4	8.0E 775.4	4.0E 874.7
		2.0E 1098.7	4.0E 1193.6	8.0E 1200.0	
165.0	1024.54	6.0M 50.0	3.0M 145.0	2.0M 170.0	4.0E 324.7
		8.0E 421.2	4.0E 587.1	8.0E 752.4	2.0E 857.5
		8.0E 955.2	15.0E 975.1	8.0E 1053.2	15.0E 1160.1
		8.0E 1198.5	4.0E 1200.0		
170.0	1096.63	6.0M 50.0	3.0M 145.0	2.0M 170.0	4.0E 318.2
		8.0E 351.0	4.0E 367.4	8.0E 412.3	4.0E 608.8
		8.0E 767.3	15.0E 947.2	8.0E 1200.0	
175.0	1193.05	6.0M 50.0	3.0M 145.0	2.0M 170.0	4.0E 529.4
		8.0E 630.9	30.0E 823.6	15.0E 902.0	8.0E 956.7
		15.0E 1028.6	8.0E 1048.0	5000.0E 1200.0	

180.0	1305.63	6.0M	50.0	3.0M	145.0	2.0M	170.0	4.0E	546.5
		8.0E	790.4	30.0E	841.7	5000.0E	1200.0		
185.0	1426.49	3.0M	110.0	1.5M	150.0	4.0E	688.3	8.0E	705.2
		30.0E	766.0	5000.0E	1200.0				
190.0	1548.94	3.0M	110.0	1.5M	150.0	4.0E	635.6	5000.0E	1200.0
195.0	1667.65	3.0M	110.0	1.5M	150.0	4.0E	593.5	5000.0E	1200.0
200.0	1778.62	3.0M	110.0	1.5M	150.0	4.0E	402.1	5000.0E	1200.0
205.0	1879.08	3.0M	40.0	5.0M	130.0	3.0M	160.0	4.0E	364.3
		5000.0E	1200.0						
210.0	1967.29	3.0M	40.0	5.0M	130.0	3.0M	160.0	4.0E	308.6
		5000.0E	1200.0						
215.0	2042.47	3.0M	40.0	5.0M	130.0	3.0M	160.0	4.0E	229.6
		5000.0E	1200.0						
220.0	2104.60	3.0M	40.0	5.0M	130.0	3.0M	160.0	4.0E	196.9
		5000.0E	1200.0						
225.0	2154.29	4.0E	173.5	5000.0E	1200.0				
230.0	2192.66	4.0E	156.8	5000.0E	1200.0				
235.0	2221.14	4.0E	144.2	5000.0E	1200.0				
240.0	2241.33	4.0E	136.8	5000.0E	1200.0				
245.0	2254.92	4.0E	127.0	5000.0E	1200.0				
250.0	2263.52	4.0E	121.6	5000.0E	1200.0				
255.0	2268.56	4.0E	114.4	5000.0E	1200.0				
260.0	2271.25	4.0E	110.4	5000.0E	1200.0				
265.0	2272.49	4.0E	109.2	5000.0E	1200.0				
270.0	2272.85	4.0E	109.5	5000.0E	1200.0				
275.0	2272.49	4.0E	101.6	5000.0E	104.5	4.0E	108.6	5000.0E	1200.0
280.0	2271.25	4.0E	108.8	5000.0E	1200.0				
285.0	2268.56	4.0E	109.1	5000.0E	1200.0				

290.0	2263.52	4.0E	115.8	5000.0E	1200.0				
295.0	2254.92	4.0E	119.8	5000.0E	1200.0				
300.0	2241.33	4.0E	123.9	5000.0E	1200.0				
305.0	2221.14	4.0E	127.7	5000.0E	1200.0				
310.0	2192.66	4.0E	128.7	5000.0E	148.2	4.0E	150.4	5000.0E	1200.0
315.0	2154.29	4.0E	118.6	5000.0E	134.4	4.0E	148.9	5000.0E	155.9
		4.0E	161.5	5000.0E	1200.0				
320.0	2104.60	4.0E	116.2	5000.0E	123.9	4.0E	160.3	5000.0E	1200.0
325.0	2042.47	4.0E	97.0	5000.0E	101.7	4.0E	172.1	5000.0E	178.2
		4.0E	193.3	2.0E	194.0	5000.0E	206.8	2.0E	212.3
		5000.0E	654.9	1.0E	658.6	5000.0E	1083.5	2.0E	1101.7
		5000.0E	1108.6	2.0E	1190.8	5000.0E	1200.0		
330.0	1967.29	4.0E	167.6	2.0E	196.4	5000.0E	199.1	2.0E	268.7
		5000.0E	532.1	1.0E	549.0	5000.0E	565.6	1.0E	577.6
		5000.0E	588.9	1.0E	707.2	5000.0E	1200.0		
335.0	1879.08	4.0E	148.3	2.0E	364.1	5000.0E	410.8	1.0E	432.6
		5000.0E	446.3	1.0E	627.8	5000.0E	655.0	1.0E	659.5
		5000.0E	688.3	1.0E	738.1	5000.0E	738.8	1.0E	773.9
		5000.0E	784.2	1.0E	838.9	5000.0E	849.5	1.0E	850.6
		5000.0E	883.1	1.0E	896.5	5000.0E	929.8	1.0E	988.9
		5000.0E	989.9	1.0E	1027.0	5000.0E	1028.4	1.0E	1097.4
		5000.0E	1108.4	1.0E	1167.9	5000.0E	1200.0		
340.0	1778.62	6.0M	32.0	3.0M	170.0	2.0E	329.1	5000.0E	369.8
		1.0E	462.3	4.0E	520.8	1.0E	546.9	5000.0E	603.0
		1.0E	1199.7	1.0E	1200.0				
345.0	1667.65	6.0M	32.0	3.0M	170.0	2.0E	315.5	5000.0E	343.8
		1.0E	424.8	4.0E	449.8	5000.0E	505.5	1.0E	553.2
		5000.0E	576.3	1.0E	870.2	2.0E	881.1	1.0E	1200.0
350.0	1548.94	6.0M	32.0	3.0M	170.0	2.0E	192.0	8.0E	193.9
		2.0E	199.7	8.0E	201.9	2.0E	202.9	8.0E	204.4
		2.0E	218.3	8.0E	220.4	2.0E	226.7	8.0E	228.9
		2.0E	305.2	5000.0E	345.1	4.0E	361.6	5000.0E	458.3
		1.0E	474.1	5000.0E	482.3	1.0E	718.8	2.0E	980.6
		1.0E	1200.0						

355.0	1426.49	4.0M	40.0	3.0M	60.0	1.5M	110.0	1.0M	130.0
		4.0E	144.0	2.0E	193.0	8.0E	198.3	2.0E	207.4
		8.0E	219.2	2.0E	246.2	40.0E	256.0	2.0E	296.6
		5000.0E	407.4	4.0E	414.8	5000.0E	423.0	4.0E	432.6
		5000.0E	438.3	1.0E	673.3	2.0E	1041.0	1.0E	1200.0

KILOMETERS FROM ANTENNA

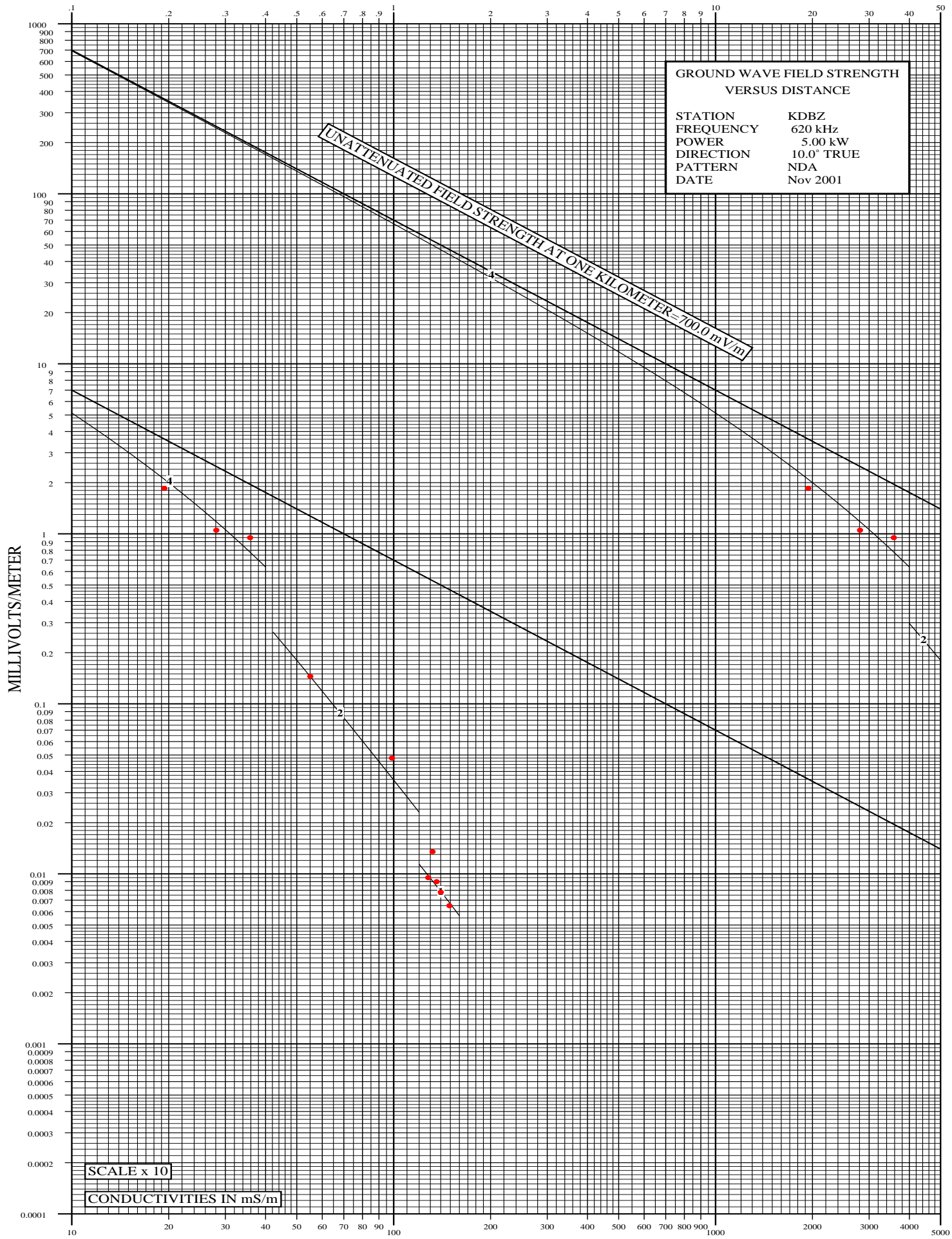


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NOV-15-2001 THU 05:20 PM KEX PROGRAMMING & PROMO

P.

KILOMETERS FROM ANTENNA



RADIAL: 10 Degree

FIELD MEASUREMENTS
KTLK 620 kHz
PORTLAND, OREGON

7/26/02 Cloudy 70's - Erik/Chris

10:30	63.5	0.60	45-59-6.3	122-25-38.2
10:45	66.9	0.92	46-00-53.0	122-25-12.0
10:58	69.7	0.93	46-02-21.4	122-24-53.3
11:52	73.3	0.70	46-04-18.5	122-24-27.1
12:32	78.1	0.26	46-06-52.1	122-23-47.2

7/30/02 Cloudy 70's - Erik/Chris

12:07	98.7	0.30	46-17-47.8	122-21-4.4
14:34	113	0.20	46-25-49.3	122-22-47.4
15:38	116	0.12	46-27-30.7	122-21-20.9

7/26/02 Cloudy 70's - Shane

16:25	124	0.101	46 31.502	122 17.668
12:05	129	0.086	46 33.774	122 17.196
13:22	141	0.101	46 40.474	122 14.810
14:03	150	0.053	46 45.141	122 14.310
14:20	153	0.042	46 46.822	122 13.797
14:53	160	0.040	46 50.582	122 12.697

TIME 24 HI DISTANCE KND MV/M DESCRIPTION

2/25/2002

1405	1.9	285	Gethsemani Cemetery (see map)
1416	3.18	195	South of intersection of SE 99th drive and SE 100 drive.
1428	4.98	194	Gate #3 Lincoln Memorial Park.
1458	8.33	59	Off Bush street in lawn of Aim High School.
1510	11.20	35	Se 117th and SE Oak street, 100 feet into Ventura Park.
1525	13.00	33	In the parking lot of the old Home Base store at 122th and Halsey.
1540	15.60	22.5	190th, end of road in industrial park, east of 122 ave.

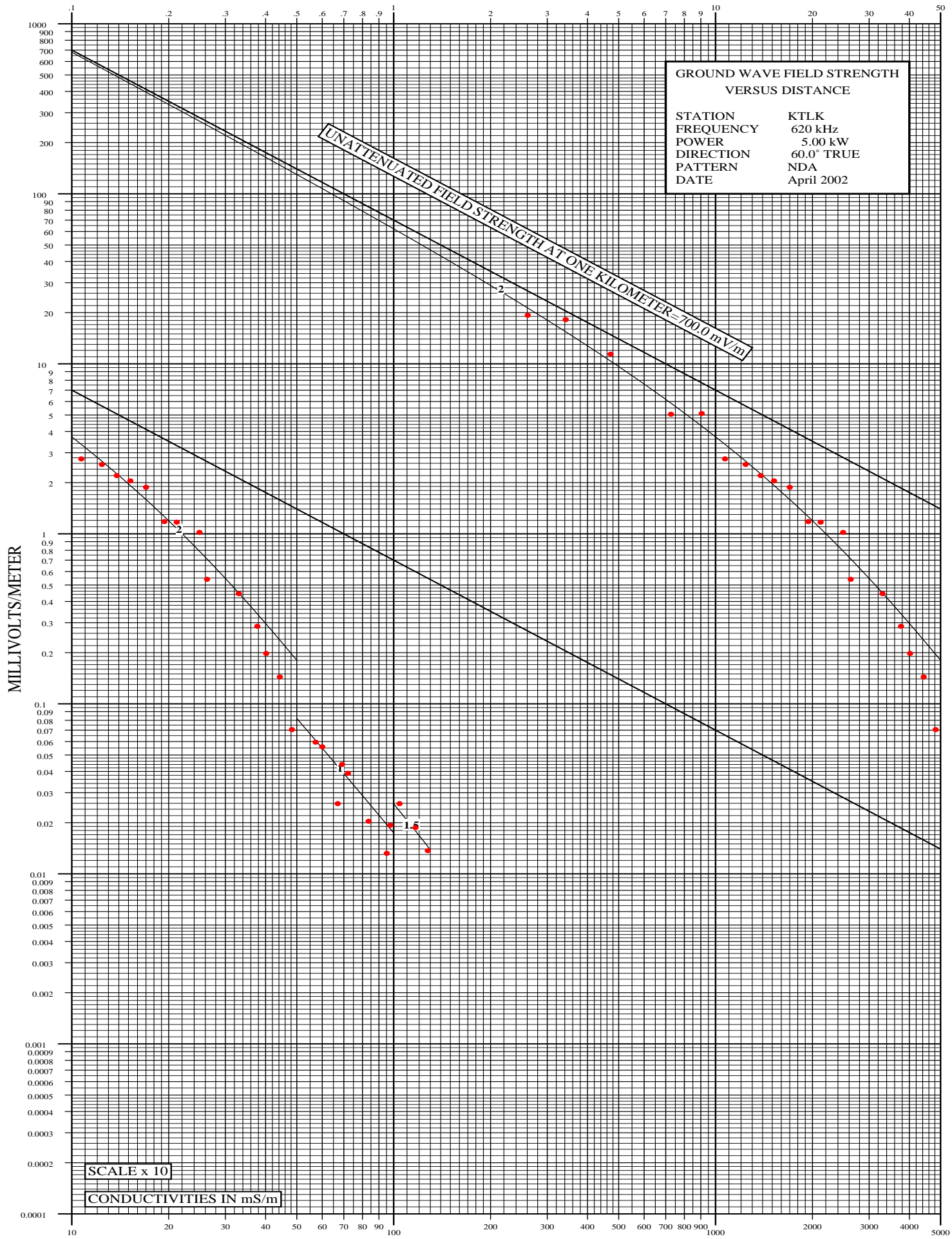
4/1/2002

100	19.40	18	South in field from fire plug on se 147th ave.
1018	16.20	21.3	Mt. View High School ballfield west thru gate off Blairmount Drive.
1052	25.10	12.2	157th east of fire plug.
1118	10.20	10.2	West of 159th behind safeway in Heritage shopping mall.
1135	34.60	6.5	So 182 ave and so 144th 200 feet east of fire plug, south in field.
1151	41.20	5.4	Across from Misty Oaks Ranch on NE 197th.
1328	55.20	1.3	Amboy, Be careful. Find stable reading. Measured at Clark County Heritage site.
1437	63.40	0.62	Speelyai Bay boat launch.

*GPS readings are the reciprocal of the radial in degrees.

MEASUREMENTS MADE BY _____

KILOMETERS FROM ANTENNA

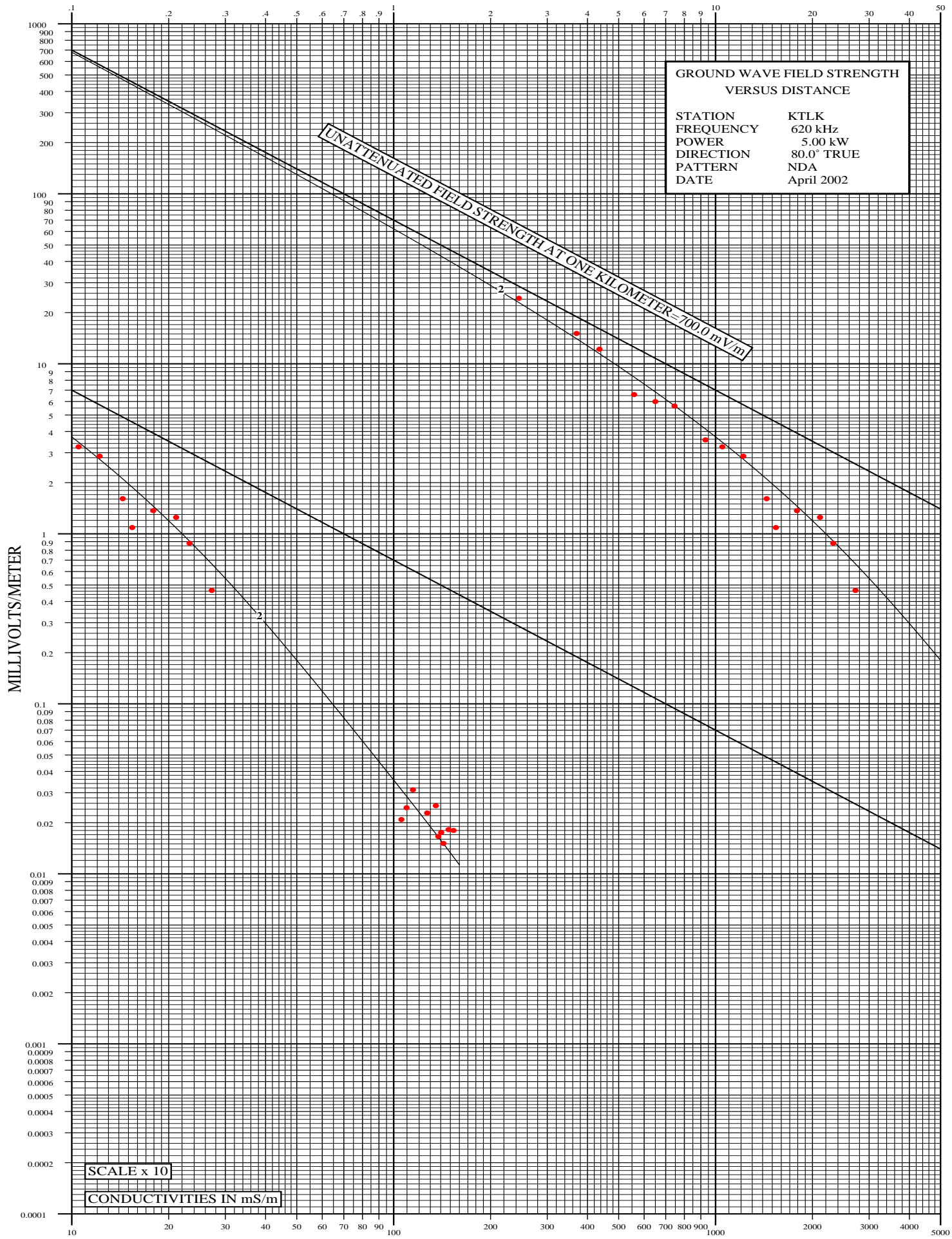


DIRECTIONAL ANTENNA MEASUREMENTS

STATION:	KTLK	AZIMUTH:	60	FREQUENCY:	620	ENGINEER: S TUNWALL
FIM:	FIM-21	CAL:	Mar-02	SERIAL:	309	
TEMP:	60	SKY:	P/C	TIME:	PST	
POINT #	DISTANCE	FIELD	DATE	TIME	COORD.	POINT DESCRIPTION
	<i>km</i>	<i>mv/m</i>				
1	2.61	193	4/22/02	0809	45 26 02.9 122 32 133	On 122nd Ave, West edge of road, aligned with picture window of 12245.
2	3.42	182	4/22/02	0817	45 26 15.1 122 31 40.6	On Spring Mountain Drive, center of driveway of 13152.
3	4.72	114	4/22/02	0828	45 26 36.3 122 30 48.8	On 14th Street, GPS located.
4	7.27	50.5	4/22/02	0838	45 27 17.1 122 25 06.9	On Rock Creek Road, midpoint of short gravel lane between two driveways.
5	9.05	51.0	4/22/02	0847	45 27 46.0 122 27 56.0	On 190th Street, East edge at field driveway with metal gate.
6	10.7	27.6	4/22/02	0856	45 28 13.3 122 26 49.9	At intersection of Butler Road and Towle Road, next to stop sign.
7	12.4	25.6	4/22/02	0902	45 28 39.5 122 24 41.3	North end of turnout on East edge of Regner Road.
8	13.8	22.0	4/22/02	0909	45 29 03.2 122 24 45.8	On 247th Ave, West sidewalk opposite pole #7837.
9	15.2	20.5	4/22/02	0944	45 29 24.9 122 23 50.8	On Kane Road at mailbox 975.
10	17.0	18.8	4/22/02	0952	45 29 54.0 122 22 37.3	On Troutdale Road, East side, opposite North end of guard rail.
11	19.4	11.8	4/22/02	1001	45 30 32.2 122 21 03.4	On East side of 302nd Ave, 75 paces North of intersection with Hocker Road.
12	21.2	11.7	4/22/02	1011	45 31 02.5 122 19 49.8	On Northway Road, East side, 50 paces South of mailbox 708.
13	24.9	10.2	4/22/02	1020	45 32 01.9 122 17 20.4	West side of Corbett Hill Road, at intersection/20 MPH sign.
14	26.3	5.4	4/22/02	1034	45 32 25.8 122 16 27.2	On Reed Road, next to power pole.
15	33.0	4.45	4/22/02	1152	45 34 12.0 122 12 00.8	On Hwy 14 at curve/turnout, North edge of road.
16	37.7	2.86	4/22/02	1241	45 35 25.9 122 08 49.5	On Prindle Road, West side, GPS located.

17	40.2	1.98	4/22/02	1251	45 36 06.5 122 07 08.3	On Smith Cripe Road, at sign "water source".
18	44.3	1.44	4/22/02	1302	45 37 12.6 122 04 23.5	On Duncan Creek Road, 25 paces North of intersection with Nichol Pvt Road, West side.
19	48.3	0.705	4/22/02	1315	45 38 15.2 122 01 44.2	On Kueffler Road, in trail next to "equestrian trailhead" sign.
20	57.2	0.595	4/22/02	1342	45 40 37.6 122 35 48.3	On Blue Lake Road, GPS located, East side.
21	60.0	0.559	4/22/02	1358	45 41 22.1 121 53 53.8	On Rock Creek Road, on sidewalk at fire hydrant near intersection with Atwell Drive.
22	67.0	0.259	4/22/02	1410	45 43 12.4 121 49 10.6	On Carson Depot Road, West side opposite South end of guard rail.
23	69.1	0.440	4/22/02	1418	45 43 47.8 121 47 47.7	In parking lot turnaround behind Hotel St. Martin.
24	72.1	0.390	4/22/02	1434	45 44 34.3 121 45 45.5	On Berge Road, GPS located, North side on bend in road.
25	83.6	0.204	4/22/02	1756	45 47 37.6 121 38 01.7	On Hwy 86 at 1 mile sign.
26	95.2	0.132	4/22/02	1531	45 50 39.7 121 30 14.3	On Hwy 141 at intersection with Heath Street, opposite utility box on ground.
27	97.6	0.193	4/22/02	1546	45 51 19.1 121 28 34.4	On Oak Ridge Road, just South of intersection with unmarked road, between two signs on East side.
28	104.3	0.259	4/22/02	1601	45 53 07.1 121 23 54.4	On unmarked road, GPS located.
29	116.8	0.187	4/22/02	1638	45 56 22.7 121 15 30.9	On Fisher Hill Road, approximately 0.1 KM South of intersection with unmarked road - GPS located.
30	127.6	0.137	4/22/02	1342	45 59 14.4 121 08 07.4	On Glenwood-Greendale Road, GPS located.

KILOMETERS FROM ANTENNA



DIRECTIONAL ANTENNA MEASUREMENTS

STATION:	KTLK	AZIMUTH:	80	FREQUENCY:	620	ENGINEER: S TUNWALL
FIM:	FIM-21	CAL:	Mar-02	SERIAL:	309	
TEMP:	60	SKY:	P/C	TIME:	PST	
POINT #	DISTANCE	FIELD	DATE	TIME	COORD.	POINT DESCRIPTION
	<i>km</i>	<i>mv/m</i>				
1	2.45	243	4/21/02	0816	45 25 33.9 122 32 06.0	On SE 124th Street, opposite mailbox 13364.
2	3.70	151	4/21/02	1626	45 25 39.9 122 31 09.4	On 140th Street, in driveway of #13170.
3	4.36	122	4/21/02	1636	45 25 46.5 122 30 40.1	On 147th Street at "Road Closed" sign & gate.
4	5.58	66.0	4/21/02	1642	45 25 51.9 122 29 44.3	On 126nd Ave opposite mailbox 12662.
5	6.50	60.0	4/21/02	1651	45 25 07.2 122 29 04.1	On SE 172nd Ave opposite mailbox 12340.
6	7.45	56.5	4/21/02	1659	45 26 02.3 122 28 19.9	On Foster Road, 10 paces North of Winston Road/Troge Road sign.
7	9.30	35.7	4/21/02	1712	45 26 11.9 122 26 53.0	On Wiese Road at mailbox 11923.
8	10.5	32.5	4/21/02	1717	45 26 19.7 122 26 00.0	On 222nd Drive, 10 paces South of mailbox 11633.
9	12.2	28.6	4/21/02	1725	45 26 8.1 122 24 45.9	East side of 142nd Street, 20 paces South of intersection with Three Cedars Street.
10	14.4	16.1	4/21/02	1734	45 26 40.3 122 23 04.0	East side of Telford Road, across from intersection with Coachman Lane.
11	15.4	10.9	4/21/02	1739	45 26 44.9 122 22 17.5	On 282nd Ave, East side of road opposite pole #889.
12	17.9	13.7	4/21/02	1747	45 26 59.4 122 20 26.5	On Orient Drive at mailbox 10201.
13	21.1	12.5	4/21/02	1755	45 27 18.5 122 17 58.7	East side of 352nd Ave opposite pole #2154.
14	23.2	8.80	4/23/02	0824	45 27 28.0 122 16 27.3	On Dodge Park Blvd a intersection with LustedRoad, opposite stop sign.
15	27.2	4.65	4/23/02	0859	45 27 50.3 122 13 26.8	On Gordon Creek Road opposite and 20 paces West of pole #78.
16						

17						
18						
19						
20						
21						
22						
23						
24						
25	105.7	0.209	4/23/02	1740	45 34 45.4 121 13 46.1	On Mill Creek Road, West side, GPS located.
26	109.7	0.245	4/23/02	1723	45 35 05.6 121 10 42.1	On Dry Hollow Road, East side, GPS located. Near large metal building.
27	114.7	0.312	4/23/02	1711	45 35 31.8 121 06 54.4	On road to converter (electrical) station, East side, GPS located.
28	127.1	0.228	4/23/02	1646	45 36 34.3 120 57 26.4	On CR 102, GPS located, turnout on West side.
29	135.1	0.252	4/23/02	1616	45 37 13.4 120 51 1.2	On Hwy 206, GPS located, East side. Approximately 300' North of intersection with Gordon Ridge Road.
30	137.5	0.166	4/23/02	1609	45 37 24.7 120 49 31.0	On Welk Road, 10 paces North of culvert, East side.
31	140.4	0.175	4/23/02	1554	45 37 39.7 120 47 19.6	On Mud Hollow Road at field driveway with wire gate.
32	142.7	0.151	4/23/02	1533	45 37 50.3 120 45 34.1	On Hwy 97, at left turn/45 MPH sign on West side of road.
33	148.1	0.182	4/23/02	1519	45 38 16.1 120 41 27.6	On Scott Canyon Road, East side, at 2nd reflector post South of intersection with unmarked road.
34	153.4	0.180	4/23/02	1504	45 38 43.1 120 37 21.7	On Grace Medler Road, GPS located.

KILOMETERS FROM ANTENNA

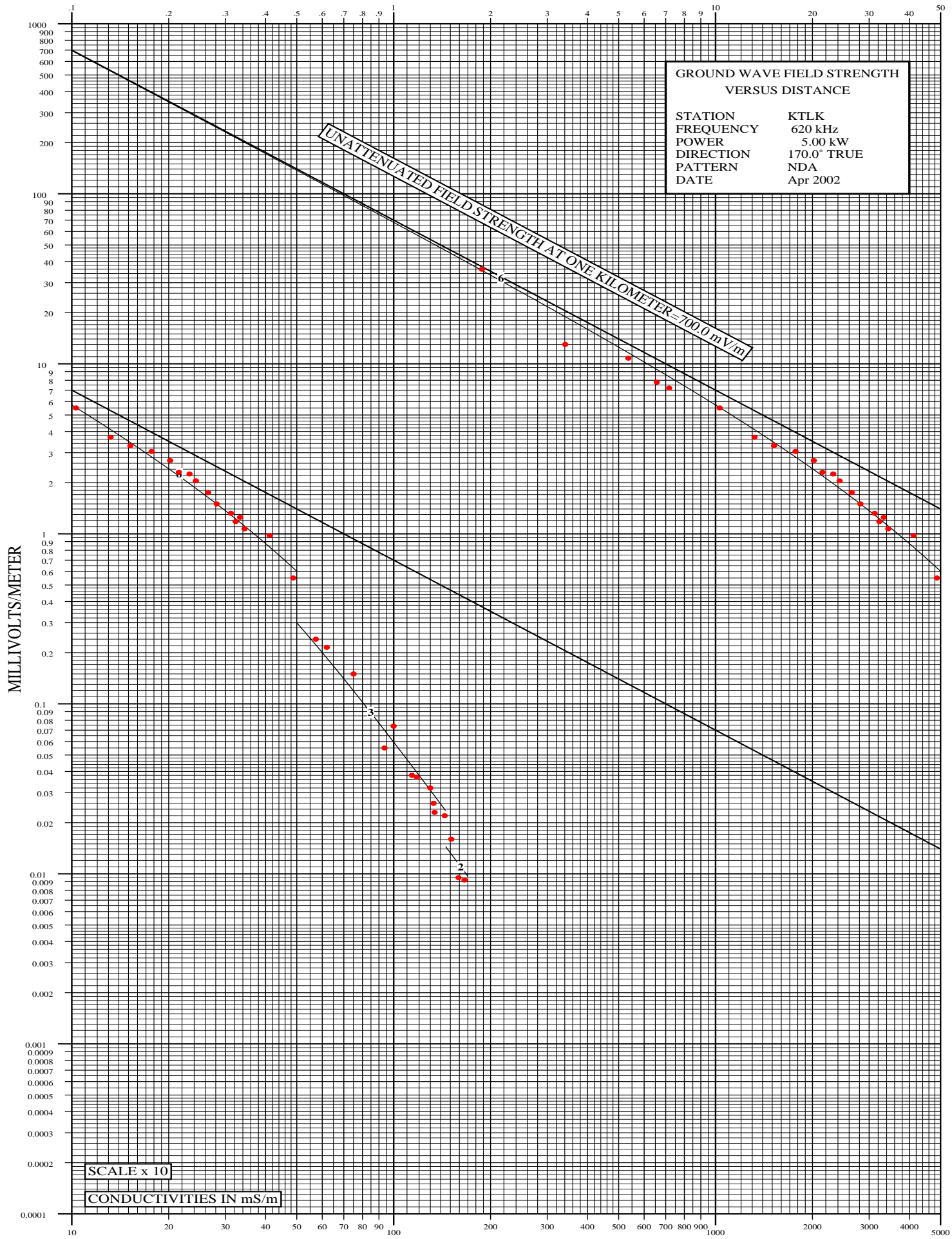


DIRECTIONAL ANTENNA MEASUREMENTS

STATION:	KTLK	AZIMUTH:	100	FREQUENCY:	620	ENGINEER: S TUNWALL
FIM:	FIM-21	CAL:	Mar-02	SERIAL:	309	
TEMP:	60	SKY:	P/C	TIME:	PST	
POINT #	DISTANCE	FIELD	DATE	TIME	COORD.	POINT DESCRIPTION
	<i>km</i>	<i>mv/m</i>				
1	2.38	218	4/21/02	0823	45 25 07.2 122 32 09.0	Clackamas High School parking lot, next to brick sign.
2	3.94	118	4/21/02	0833	45 24 57.9 122 30 58.6	On SE 142nd Street, at mailbox 14778.
3	6.47	85.5	4/21/02	0841	45 24 43.3 122 29 04.0	Intersection 172nd Street and Armstrong Circle, at stop sign.
4	9.91	30.2	4/21/02	0910	45 24 24.3 122 26 27.7	West side of Royer Road, 10 paces North of mailbox 16010.
5	11.3	25.8	4/21/02	1604	45 24 15.7 122 25 23.0	On 232nd Drive, next to mailbox 16449.
6	12.6	28.3	4/21/02	0922	45 24 09.3 122 24 26.9	On Bartell Road at driveway with mailbox "Miller's".
7	14.5	24.2	4/21/02	0939	45 24 00.8 122 22 59.0	On On Amsigger Road at left turn/40 MPH sign, West side.
8	16.8	16.6	4/21/02	0950	45 23 16.8 122 21 12.8	On Tickle Creek Road opposite mailbox 17507.
9	17.8	14.6	4/21/02	1535	45 23 38.4 122 20 27.9	On Fosberg Road opposite pole #1047.
10	19.4	12.7	4/21/02	1010	45 23 29.4 122 19 19.7	On Moonbeam Drive opposite mailbox 18150.
11	21.9	11.3	4/21/02	1019	45 23 17.3 122 17 24.2	On 362nd Street opposite mailbox 18701.
12	25.2	7.75	4/21/02	1041	45 22 57.0 122 14 55.9	On SE Langesand Drive opposite mailbox 19475.
13	27.1	4.70	4/21/02	1101	45 22 46.8 122 13 30.0	Park at intersection Hwy 26 and Canyon Valley Road, walk with GPS to coordinates behind guardrail.
14	33.2	1.70	4/21/02	1117	45 22 10.6 122 08 53.4	On Cherryville Drive opposite power pole, number plate unreadable.
15	47.2	0.53	4/21/02	1203	45 20 49.3 121 58 20.8	On Arrah Wanna Road opposite pole #51.
16	50.2	0.252	4/21/02	1214	45 20 31.4 121 56 04.3	On Woodlands Drive at footbridge near intersection with Arthur Hailey Road.

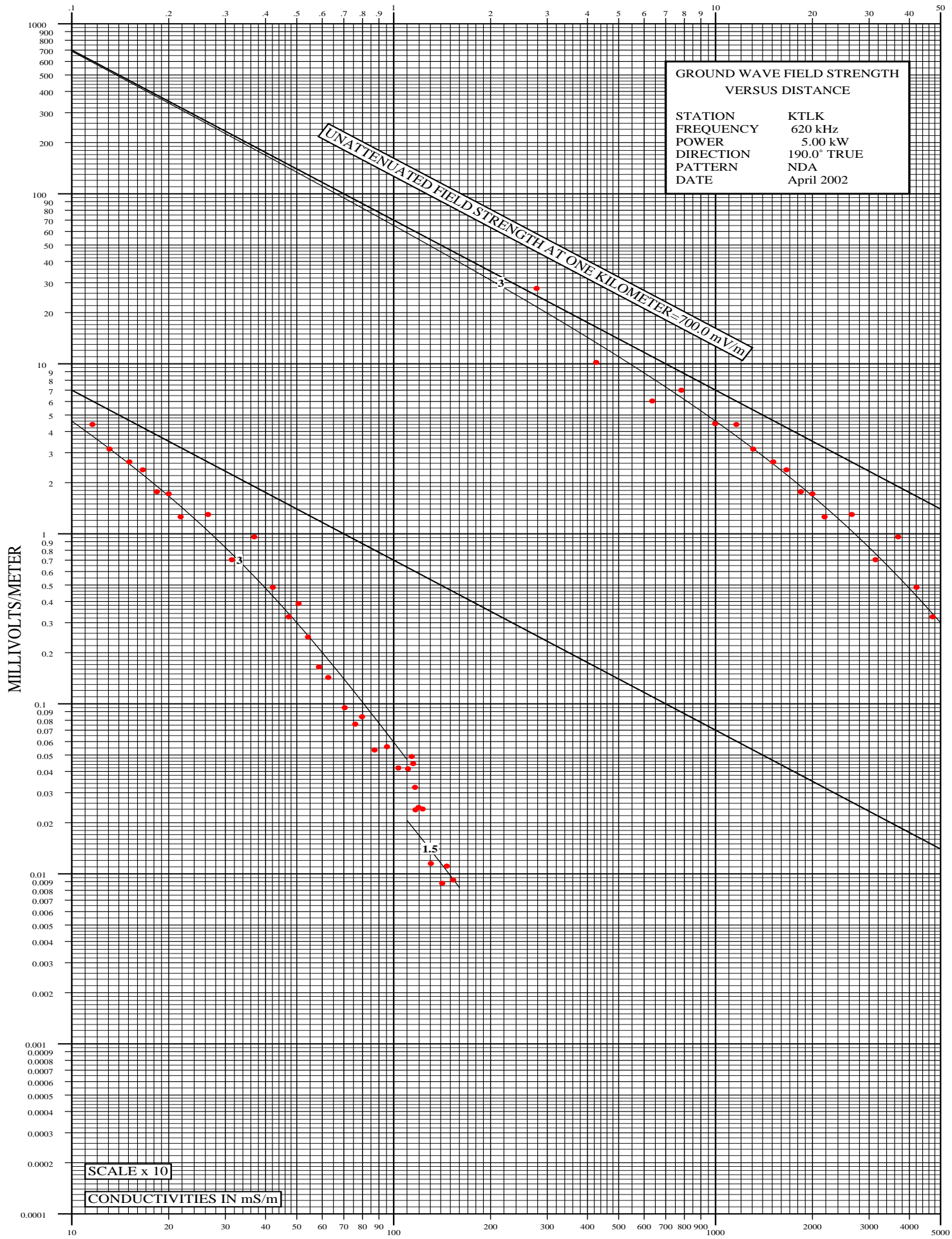
17	68.5	0.410	4/21/02	1340	45 18 44.5 121 42 19.3	On Timberline Road, GPS located, by 35 MPH sign, East side of road.
18	72.0	0.158	4/21/02	1434	45 18 23.5 121 39 42.9	On Hwy 35, GPS located, West side of road.

KILOMETERS FROM ANTENNA



Dist	In km	mV/m
	1.88	360.0
	3.41	130.0
	5.36	108.0
	6.57	78.0
	7.17	72.0
	10.30	55.0
	13.20	37.0
	15.20	33.0
	17.70	30.5
	20.20	27.0
	21.50	23.0
	23.20	22.5
	24.30	20.5
	26.50	17.5
	28.20	15.0
	31.2	13.2
	32.30	11.8
	33.30	12.5
	34.40	10.7
	41.20	9.80
	48.70	5.50
	57.3	2.40
	62.0	2.15
	75.1	1.50
	93.7	0.55
	99.9	0.74
	114	0.38
	118	0.37
	130	0.32
	133	0.26
	134	0.23
	144	0.22
	151	0.16
	159	0.095
	166	0.092

KILOMETERS FROM ANTENNA



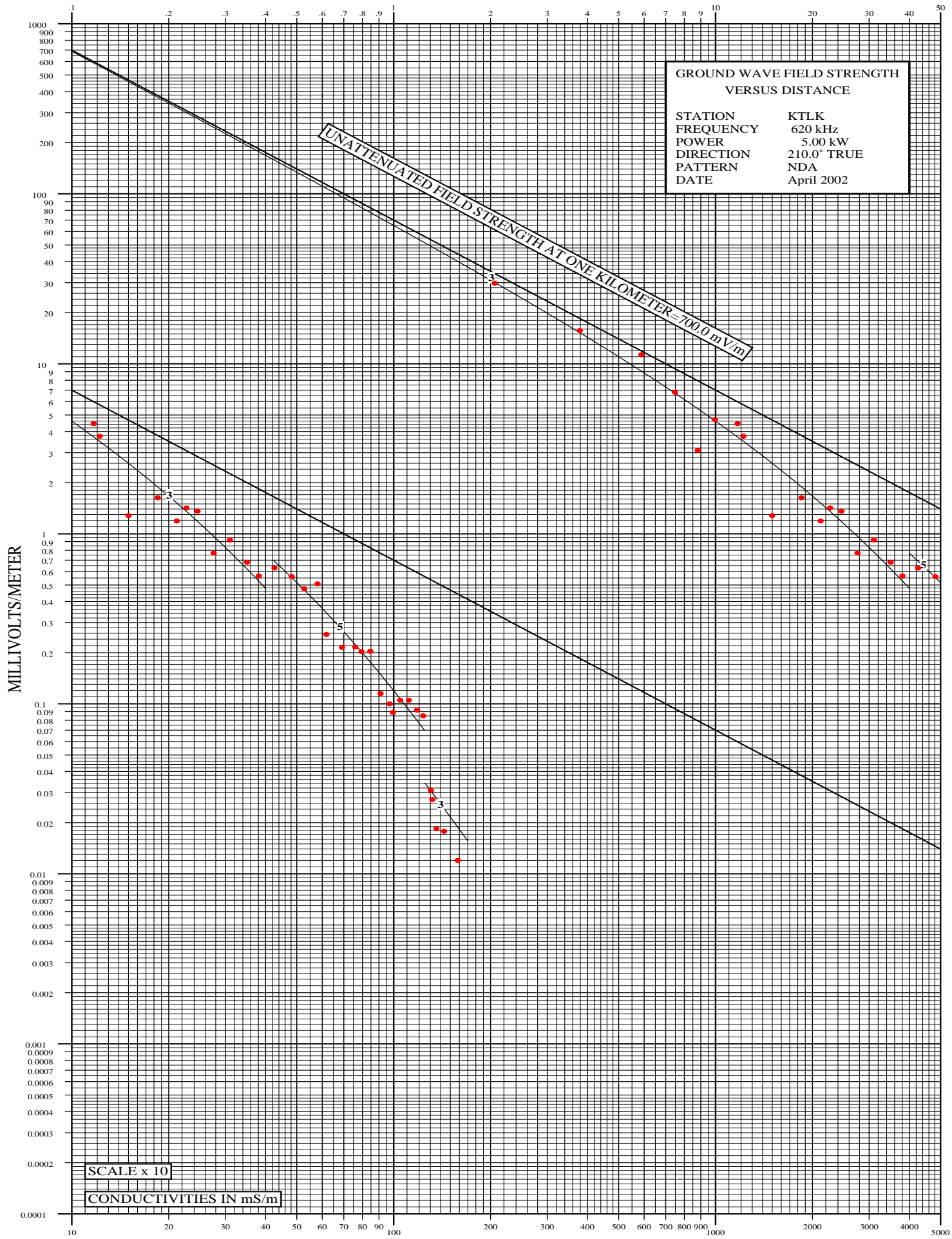
DIRECTIONAL ANTENNA MEASUREMENTS

STATION:	KTLK	AZIMUTH:	190	FREQUENCY:	620	ENGINEER: S TUNWALL
FIM:	FIM-21	CAL:	Mar-02	SERIAL:	309	
TEMP:	55	SKY:	P/C	TIME:	PST	
POINT #	DISTANCE	FIELD	DATE	TIME	COORD.	POINT DESCRIPTION
	<i>km</i>	<i>mv/m</i>				
1	2.78	278	4/19/02	0840	45 23 50.6 122 34 23.8	South side of Strawberry Lane. Walk to 15 guardrail posts from SE end, measurement behind guardrail.
2	4.26	102	4/19/02	0856	45 23 03.4 122 34 35.8	At intersection of Edgewater Road and Evergreen Lane. West side of Edgewater, aligned with center of Evergreen.
3	6.36	60.5	4/19/02	0913	45 21 56.7 122 34 52.7	On South Holcomb Road, at Steve's Market. Midway between 2 poles at South end of parking lot.
4	7.83	70.0	4/19/02	0928	45 21 09.5 122 35 03.7	On Morton Road next to mailbox 303.
5	9.96	44.5	4/19/02	0944	45 20 02.3 122 35 20.9	In parking lot of US Bank, parking space nearest green light pole.
6	11.6	44.0	4/19/02	0954	45 19 09.5 122 35 34.6	Opposite mailbox 13348 Nobel Road.
7	13.1	31.5	4/19/02	1003	45 18 20.8 122 35 47.1	On South Warnock Road at driveway to property with large metal sculptures.
8	15.1	26.5	4/19/02	1020	45 17 17.6 122 36 01.1	On South New Era Road opposite mailbox 12990.
9	16.6	23.8	4/19/02	1030	45 16 31.0 122 36 11.6	On South Carus Road in driveway of shop building #12770.
10	18.4	17.7	4/19/02	1040	45 15 33.4 122 36 28.2	On South Spangler Road 40 paces East of power line, South side of road.
11	20.0	17.2	4/19/02	1051	45 14 41.7 122 36 40.5	On South Union Hall Road, North side, at sign 41004.
12	21.8	12.6	4/19/02	1102	45 13 43.2 122 36 56.2	On South Mulino Road, opposite pole #829.
13	26.5	13.0	4/19/02	1125	45 11 13.1 122 37 33.0	On South Eby Road, south side, opposite pole #367.
14	31.4	7.05	4/19/02	1139	45 08 36.1 122 38 07.4	At right angle turn on unmarked road near South Palmer Road.
15	36.9	9.6	4/19/02	1157	45 05 41.3 122 38 54.5	On Rosewood Way, South side, at telco post 10336
16	42.1	4.85	4/19/02	1216	45 02 56.5 122 39 34.4	At cemetary driveway at end of Cemetary Road, next to large tree.

17	47.2	3.25	4/19/02	1238	45 00 12.8 122 40 17.5	Intersection of McKillor Road and Abiqua Road, next to stop sign.
18	50.6	3.89	4/19/02	1250	44 58 25.7 122 40 43.8	On Powers Creek Road, in driveway of 17684.
19	54.2	2.47	4/19/02	1302	44 56 30.3 122 41 12.1	On 214, opposite pole #305, near tin-roofed barn.
20	58.6	1.65	4/19/02	1328	44 54 10.1 122 41 46.7	On Silver Ridge Road, North side, opposite metal building closest to road.
21	62.6	1.43	4/19/02	1338	44 47 51.7 122 42 17.5	On 214, opposite power pole - GPS located.
22	70.5	0.95	4/19/02	1404	44 47 51.7 122 43 21.7	Opposite large wooden barn on Old Mehama Road.
23	75.9	0.76	4/19/02	1452	44 44 59.3 122 44 02.2	On Kingston Jordan Road, GPS located. App. 200' East of intersection with Valley View Road.
24	79.8	0.84	4/19/02	1504	44 42 54.1 122 44 29.9	On 226, opposite pole #1712.
25	87.3	0.535	4/19/02	1518	44 38 55.3 122 45 31.3	On Larwood Drive, opposite right turn/15 mph sign.
26	95.3	0.560	4/19/02	1538	44 34 37.8 122 46 32.7	On Lacombe Drive, next to mailbox 40756.
27	103.3	0.420	4/19/02	1549	44 30 26.0 122 47 33.8	20 paces West of driveway 40223 on Hilltop Road.
28	110.8	0.415	4/19/02	1611	44 26 29.7 122 48 32.5	In driveway to field gate on Santiam Terrace Road.
29	113.7	0.490	4/19/02	1640	44 24 53.9 122 48 54.6	On Scott Mountain Road next to "school bus stop ahead" sign.
30	115.0	0.445	4/19/02	1646	44 24 11.1 122 49 04.0	On Scott Mountain Road, GPS located.
31	116.5	0.323	4/19/02	1651	44 23 25.2 122 49 17.7	On Scott Mountain Road, GPS located.
32	116.9	0.238	4/19/02	1623	44 23 11.7 122 49 19.2	In driveway to field gate with sign "Scott Mountain Soo Line".
33	119.5	0.246	4/19/02	1632	44 21 50.9 122 49 39.5	South side of Crawfordsville Drive, opposite pole #088332.
34	123.1	0.241	4/19/02	1701	44 19 54.1 122 50 09.8	On Brush Creek Road opposite pole #404000.
35	130.4	0.115	4/19/02	1729	44 16 01.9 122 51 04.6	On Shotgun Creek Road at fork with unmarked road.
36	141.5	0.088	4/19/02	1742	44 10 09.7 122 52 28.2	North side of Marcola Road opposite mailbox at Mohawk Valley church.

37	146.1	0.111	4/20/02	0820	44 07 43.2 122 53 16.3	On Tree Farm Road, at gate.
38	152.9	0.092	4/20/02	0843	44 04 03.0 122 53 57.4	On Camp Creek Road, driveway of 36979.

KILOMETERS FROM ANTENNA



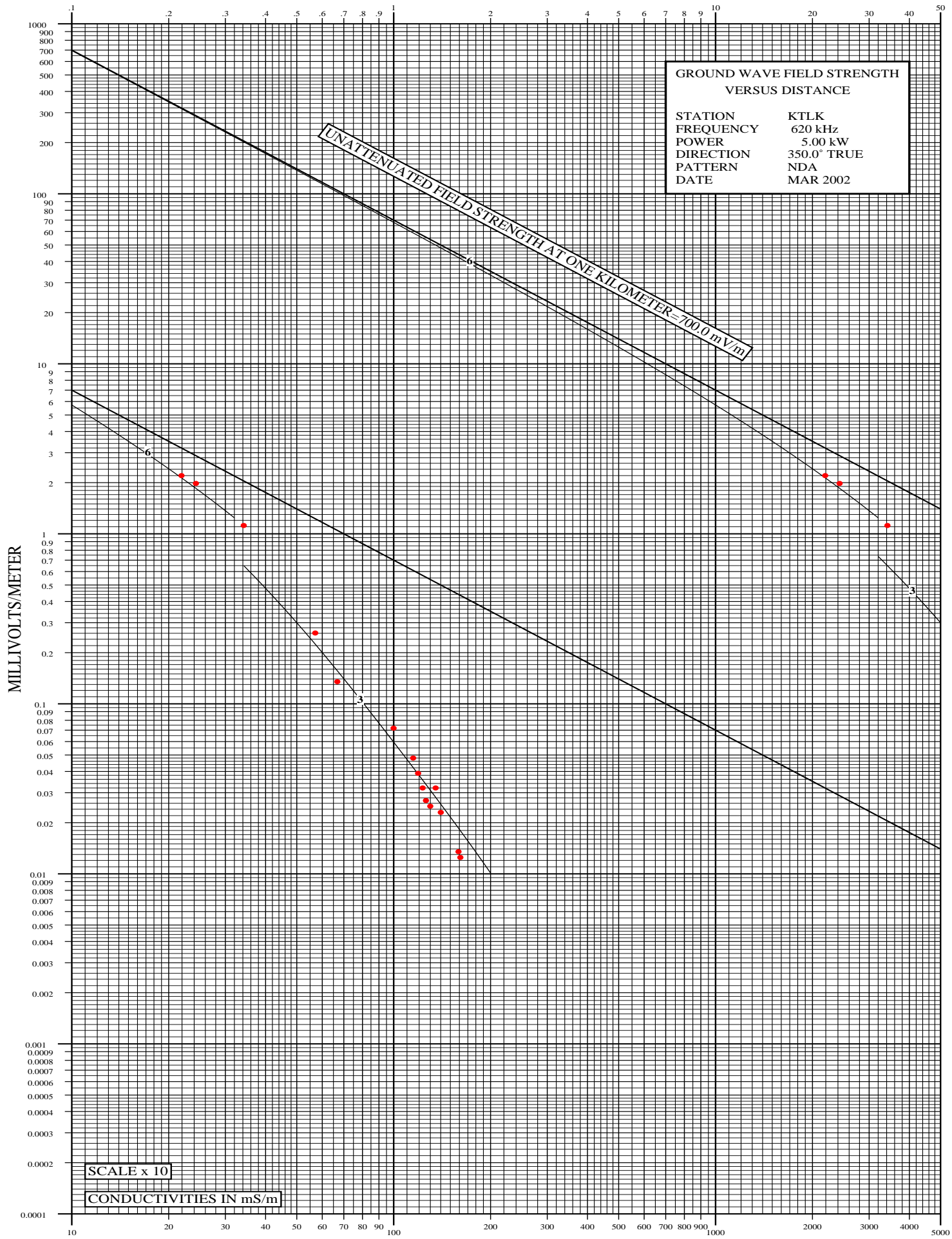
DIRECTIONAL ANTENNA MEASUREMENTS

STATION:	KTLK	AZIMUTH:	210	FREQUENCY:	620	ENGINEER: S TUNWALL
FIM:	FIM-21	CAL:	Mar-02	SERIAL:	309	
TEMP:	50	SKY:	P/C	TIME:	PST	
POINT #	DISTANCE	FIELD	DATE	TIME	COORD.	POINT DESCRIPTION
	<i>km</i>	<i>mv/m</i>				
1	2.06	298	4/18/02	1233	45 24 21.6 122 34 48.8	Intersection of SE 81st Street and S. Posey Street, on sidewalk North and across street from stop sign.
2	3.79	157	4/18/02	1245	45 23 33.1 122 35 28.5	South side of Oatfield Road, intersection with Collins Crest, at Collins Crest street sign.
3	5.88	113	4/18/02	1302	45 22 35.0 122 36 16.8	On River Greens Road next to office #38, near "office" sign, NW edge of street.
4	7.48	68	4/18/02	1315	45 21 49.7 122 36 53.5	Intersection McKillan and West A Street, on sidewalk adjacent to West Linn Baptist Church sign.
5	8.81	31.0	4/18/02	1323	45 21 11.9 122 37 22.9	On Willamette Falls Drive, at turnout. GPS located.
6	9.95	47.0	4/18/02	1336	45 20 40.0 122 37 48.3	On 99E, SE end of turnout, GPS located.
7	11.7	44.5	4/18/02	1354	45 19 50.6 122 38 30.2	On South Forest Ridge Road, at driveway of 10905, middle of road.
8	12.2	37.5	4/18/02	1413	45 19 36.2 122 38 42.5	At driveway to abandoned house between 10876 and 10858 Beutel Road, North edge of street.
9	15.0	12.8	4/18/02	1426	45 18 18.1 122 39 47.6	On 99E at driveway of General Trailer Company, at end of guardrail.
10	18.5	16.3	4/18/02	1442	45 16 42.1 122 41 06.0	Edge of street at driveway of 1934 Country Club Road.
11	21.2	11.9	4/18/02	1520	45 15 32.8 122 42 08.7	Parking lot at intersection of 99E and SW Berg parkway, in parking space closest to large Rite Aid sign.
12	22.7	14.2	4/18/02	1531	45 14 42.1 122 42 43.5	On unmarked road 40 paces West of driveway of green house, on North side of road.
13	24.6	13.6	4/18/02	1541	45 13 50.0 122 43 27.9	At field gate on S. Lone Elder Road.
14	27.6	7.7	4/18/02	1551	45 12 26.0 122 44 34.9	On South Meridian Road next to pole marked N45, East side of road.
15	31.0	9.2	4/18/02	1559	45 10 49.2 122 45 53.0	On Whiskey Hill Road at driveway of 14487, North side of road.
16	35.0	6.8	4/18/02	1612	45 08 58.1 122 47 24.0	NW corner of intersection of Hwy 211 and Pudding River Road, North side of Hwy 211.

17	38.1	5.65	4/18/02	1621	45 07 29.2 122 48 35.8	Driveway of 14210 McKee School Road.
18	42.6	6.30	4/18/02	1634	45 05 23.4 122 50 18.8	Field gate next to mailbox 10844, on Mount Angel Gervais Road.
19	48.2	5.6	4/18/02	1646	45 02 45.9 122 52 27.2	On Rambler Drive NE, South side of road opposite pole #1233.
20	52.8	4.75	4/18/02	1658	45 00 37.0 122 54 08.8	Next to mailbox 7705 on Hazel Green Road.
21	58.0	5.08	4/18/02	1711	44 58 11.4 122 56 08.4	In field driveway, no gate, on Lardon Road NE.
22	61.8	2.56	4/18/02	1733	44 56 25.7 122 57 32.9	On Cordon Raod NE, East side of road by "Madison County Adopt A Road Program" sign.
23	69.1	2.15	4/18/02	1749	44 53 00.6 123 00 19.0	On 27th Ave SE, East side of road by No Parking sign.
24	76.0	2.16	4/18/02	1800	44 49 47.2 123 03 01.0	On Redstone Ave SE at pole #1458.
25	79.4	2.03	4/20/02	1559	44 48 11.7 123 04 08.2	On Beuan Vista Road, South side, at field driveway.
26	84.6	2.04	4/20/02	1550	44 45 45.5 123 06 04.7	On Talbot Road, North side, midway between and opposite poles #304600 and 304601.
27	91.0	1.15	4/20/02	1529	44 42 45.7 123 08 28.2	On Black Dog Road opposite mailbox.
28	97.2	1.00	4/20/02	1455	44 39 49.1 123 10 47.7	Short walk North of intersection Independence Hwy and Metge Ave, opposite pole #336860.
29	99.5	0.890	4/20/02	1447	44 38 43.9 123 11 41.6	On Pettibone Road opposite pole #057601.
30	104.7	1.05	4/20/02	1432	44 36 18.1 123 13 35.5	On Minnesota Ave next to telco post in hedge of last house.
31	111.5	1.05	4/20/02	1416	44 33 080.0 123 16 08.5	In Corvallis City Park, parking space closest to entrance.
32	118.2	0.92	4/20/02	1400	44 29 57.3 123 18 39.1	On Airport Ave., West side, 60 paces North of right turn/15 MPH sign.
33	123.5	0.85	4/20/02	1350	44 27 29.5 123 20 36.6	On Decker Road, North side opposite field driveway with no gate.
34	130.5	0.310	4/20/02	1314	44 24 10.0 123 23 11.0	On Hells Canyon Road at marker 3 mile/5 KM.
35	131.9	0.274	4/20/02	1308	44 23 31.6 123 23 43.1	On Bunker Hill Road opposite mailbox 24315.
36	135.8	0.184	4/20/02	1251	44 21 43.6 123 25 09.9	On South Fork Road, GPS located.

37	143.4	0.178	4/20/02	1210	44 18 06.8 123 27 56.2	On Glenbrook Road at intersection with unmarked road.
38	158.0	0.120	4/20/02	1001	44 11 15.5 123 13 26.0	On Highway 36, GPS located.

KILOMETERS FROM ANTENNA



RADIAL: 350 Degree

FIELD MEASUREMENTS
KTLK 620 kHz
PORTLAND, OREGON

POINT NUMBER	TIME 24 HR	*GPS BEARING	DISTANCE KM	ND MV/M	DESCRIPTION
1	1124	170	1.88	360.0	M
2	1136	170	3.41	130.0	In drive behind Home Depot.
3	1204	170	5.36	108.0	In the parking lot of Oregon Human Services.
4	1217	171	6.57	78.0	In the church parking lot behind Wakemans body shop.
5	1224	169	7.17	72.0	In parking lot east of grocery store.
6	1256	170	10.30	55.0	Mt. Tabor, east and south of parallel parking sign.
7	13:35	169	13.20	37.0	In park, west of school and north of 63rd..
8	1354	170	15.20	33.0	Albertson's Parking lot SW of service station.
9	1406	170	17.70	30.5	Parking lot of vacant Air Freight Building
Febuary 28, 2002					
10	1400	169	20.20	27.0	Southof Marine Drive west of airport in primitive parking lot.
11	1434	170	21.50	23.0	North of the Columbia river, over the railroad tracks between road and path.
12	1450	170	23.20	22.5	Old Tower Mall south to old building floor.
March 1, 2002					
13	1404	171	24.30	20.5	West of Fort Vancouver high school in the grass north of the tennis courts.
14	1413	171	26.50	17.5	West from Truman Elementry school in the grass.
15	1441	170	28.20	15.0	In field east of Truss Company. Acess is from St. Johns.
16	1452	169	31.2	13.2	Measured in Geiser Park. Follow road to end, and walk into park about 100 feet.
17	1527	170	32.30	11.8	South shoulder of 119th.
18	1606	170	33.30	12.5	Behind Holiday Inn in field.
March 4, 2002					
19	1105	169	34.40	10.7	Field south of road, ne of Jolly's Restruant.
20	1114	170	41.20	9.80	Whispering Winds Circle at Mountain View CT.
21	1128	1.8	48.70	5.50	In field, Timmen road and Pollock road.
22	1159	171	57.3	2.40	In field south at 1516 NW Hayes road.
23	1333	166	62.0	2.15	Northeast on Shirley Gordon Road. The elevation here is quite high.
March 13, 2002					
24	1046	168	75.1	1.50	End of Kool road. Measured in Rayonier road SE.
25	1250	N/A	93.7	0.55	End of road at St. Helens Tree Farm.
26	1318	N/A	99.9	0.74	Empire road and Silver Shored Road.
27	1350	172	114	0.38	North of 505, across from "Knab Gravel" sign.
28	1423	170	118	0.37	In front of white building at the Cowlitz Mission.
29	1440	171	130	0.32	SE corner intersection of 508 and Jackson highway.
June 25, 2002					
30	1325	170	133	0.26	South of community 'Forest', east in field.
31	1332	169	134	0.23	Forest Manor Retirement Center. Half way between Jackson highway and building.
32	1429	168	144	0.22	Between NE Scott Johnson road and N E Exhibitor road, east of National ave.
33	1452	169	151	0.16	In Schaffer Park parking lot. Measured at volleyball court.
34	1531	169	159	0.095	Dalisky CT and 180th ave, southwest of intersection.
35	1543	171	166	0.092	On Maytown Road, pull off on the north side, measured in pullout.

*GPS readings are the reciprocal of the radial in degrees.

MEASUREMENTS MADE BY _____

Exhibit 14-6
Tabulation of Azimuths, Fields & Conductivities
KCIS

JOB ID. CODE: EDMONDS, WA D L

Call letters: KCIS

Coordinates: N 47 46 6 W 122 21 7

Frequency: 630 kHz Dielectric constant: 15.0

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							

.0	694.52	4.0E	11.3	40.0E	20.1	5000.0E	39.3	4.0E	176.4
		1.0E	372.4	2.0E	800.0				
5.0	694.52	4.0E	16.9	40.0E	20.2	5000.0E	34.9	4.0E	176.8
		1.0E	348.4	2.0E	557.4	1.0E	846.4		
10.0	694.52	4.0E	20.9	5000.0E	31.6	4.0E	178.5	1.0E	315.2
		2.0E	509.3	1.0E	787.0	10.0E	800.0		
15.0	694.52	4.0E	22.0	5000.0E	30.8	4.0E	199.5	1.0E	282.0
		2.0E	480.8	1.0E	749.4	10.0E	800.0		
20.0	694.52	4.0E	23.5	5000.0E	30.7	4.0E	207.8	1.0E	257.0
		2.0E	459.7	1.0E	717.1	10.0E	800.0		
25.0	694.52	4.0E	188.0	1.0E	239.6	2.0E	443.3	1.0E	700.4
		10.0E	800.0						
30.0	694.52	4.0E	158.7	1.0E	233.4	2.0E	425.3	1.0E	696.5
		10.0E	800.0						
35.0	694.52	4.0E	168.1	1.0E	237.1	2.0E	405.0	1.0E	696.2
		10.0E	800.0						
40.0	694.52	4.0E	180.3	1.0E	243.1	2.0E	378.0	1.0E	693.1
		10.0E	792.3	20.0E	800.0				
45.0	694.52	4.0E	196.2	1.0E	248.7	2.0E	354.9	1.0E	685.8
		10.0E	742.1	20.0E	800.0				
50.0	694.52	4.0E	216.9	1.0E	243.1	2.0E	334.2	1.0E	676.6
		20.0E	818.6						

Hatfield & Dawson Consulting Engineers

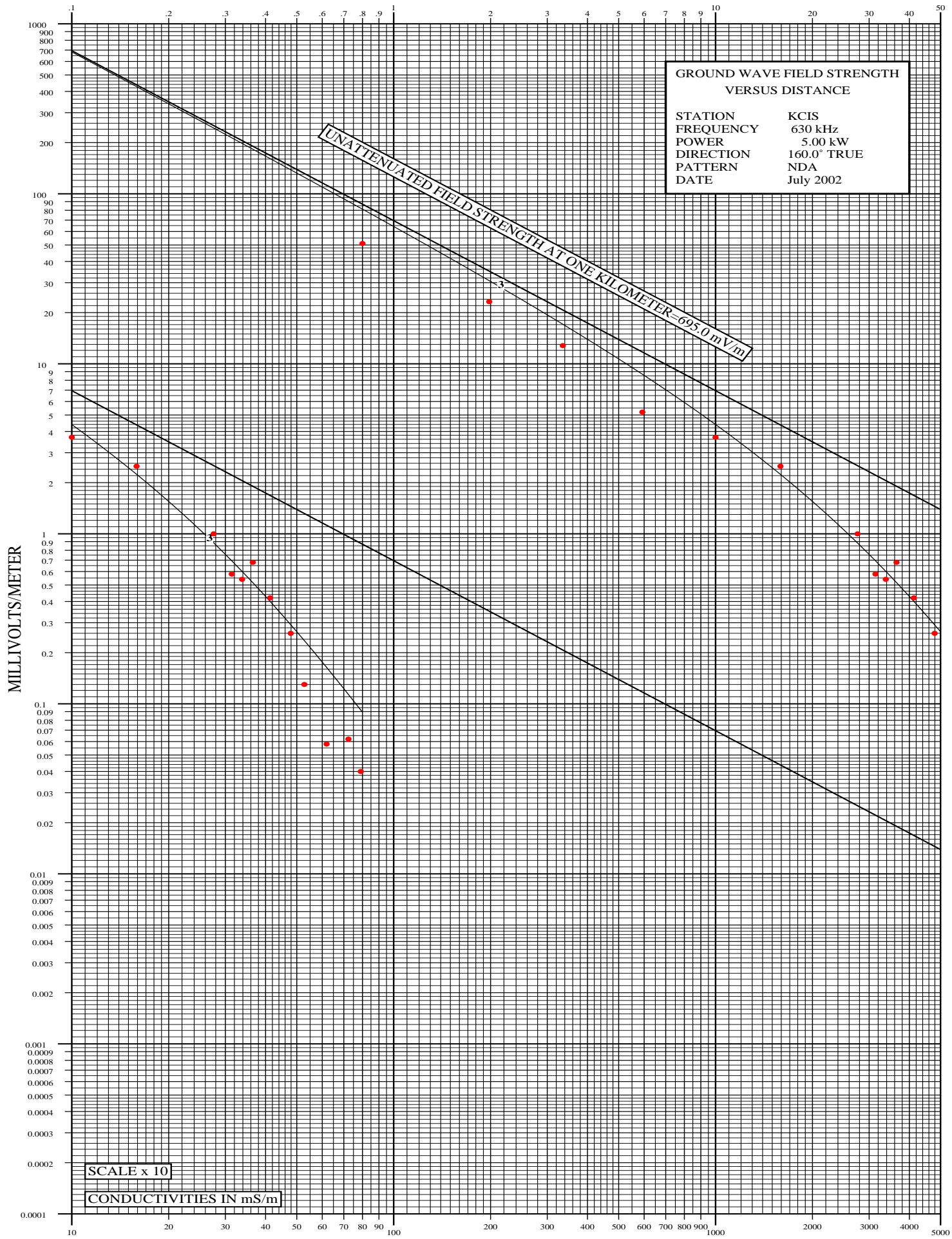
55.0	694.52	4.0E 40.0E	244.9 800.0	2.0E	323.8	1.0E	667.7	20.0E	770.5
60.0	694.52	4.0E 40.0E	284.6 800.0	2.0E	316.8	1.0E	658.4	20.0E	741.0
65.0	694.52	4.0E	345.0	1.0E	653.4	20.0E	723.6	40.0E	800.0
70.0	694.52	4.0E	447.2	1.0E	651.2	20.0E	713.5	40.0E	800.0
75.0	694.52	4.0E	659.3	8.0E	676.8	20.0E	711.6	40.0E	800.0
80.0	694.52	4.0E	672.3	8.0E	766.0	15.0E	800.0		
85.0	694.52	4.0E 15.0E	185.8 800.0	8.0E	275.6	4.0E	720.5	8.0E	773.3
90.0	694.52	4.0E	174.2	8.0E	303.0	4.0E	739.6	8.0E	800.0
95.0	694.52	4.0E 15.0E 4.0E	165.1 316.7 800.0	8.0E 4.0E	230.0 373.2	4.0E 8.0E	267.0 406.1	8.0E 1.0E	295.7 449.9
100.0	694.52	4.0E 15.0E 4.0E	159.2 330.9 800.0	8.0E 4.0E	198.5 334.1	4.0E 8.0E	278.5 417.3	8.0E 1.0E	279.3 489.0
105.0	694.52	4.0E 4.0E	289.6 800.0	15.0E	341.5	8.0E	476.9	1.0E	528.9
110.0	694.52	4.0E 4.0E	301.9 800.0	15.0E	355.5	8.0E	522.8	1.0E	535.5
115.0	694.52	4.0E	317.9	15.0E	372.7	4.0E	800.0		
120.0	694.52	4.0E	334.8	15.0E	371.5	4.0E	817.5		
125.0	694.52	4.0E	340.3	15.0E	376.8	4.0E	672.9	8.0E	800.0
130.0	694.52	4.0E	338.7	15.0E	377.3	4.0E	632.4	8.0E	800.0
135.0	694.52	4.0E 4.0E	326.0 800.0	15.0E	364.6	4.0E	597.4	8.0E	643.2
140.0	694.52	4.0E	313.8	15.0E	355.0	4.0E	800.0		
145.0	694.52	4.0E	274.1	8.0E	288.5	15.0E	350.8	4.0E	800.0

150.0	694.52	3.0M	80.0	4.0E	237.4	8.0E	298.8	15.0E	352.1
		4.0E	758.7	8.0E	800.0				
155.0	694.52	3.0M	80.0	4.0E	239.7	8.0E	360.6	4.0E	720.3
		8.0E	800.0						
160.0	694.52	3.0M	80.0	4.0E	254.6	8.0E	374.5	4.0E	694.9
		8.0E	800.0						
165.0	694.52	3.0M	80.0	4.0E	310.0	8.0E	392.1	4.0E	735.3
		8.0E	800.0						
170.0	694.52	3.0M	80.0	4.0E	595.5	8.0E	627.2	4.0E	800.0
175.0	694.52	3.0M	110.0	4.0E	573.1	8.0E	672.7	4.0E	800.0
180.0	694.52	3.0M	110.0	4.0E	792.5	8.0E	800.0		
185.0	694.52	3.0M	110.0	4.0E	800.0				
190.0	694.52	3.0M	110.0	4.0E	800.0				
195.0	694.52	3.0M	160.0	4.0E	643.5	5000.0E	800.0		
200.0	694.52	3.0M	160.0	4.0E	409.3	5000.0E	800.0		
205.0	694.52	3.0M	160.0	4.0E	189.5	5000.0E	195.4	4.0E	297.4
		5000.0E	800.0						
210.0	694.52	3.0M	160.0	4.0E	191.2	5000.0E	204.0	4.0E	250.7
		5000.0E	800.0						
215.0	694.52	4.0E	5.3	40.0E	23.9	8.0E	27.0	2.0E	57.7
		8.0E	79.3	2.0E	82.4	8.0E	87.8	2.0E	149.4
		4.0E	203.5	5000.0E	212.0	4.0E	216.0	5000.0E	800.0
220.0	694.52	4.0E	4.8	40.0E	25.7	8.0E	31.0	2.0E	54.9
		8.0E	56.5	2.0E	80.7	8.0E	82.8	2.0E	151.9
		4.0E	187.1	5000.0E	196.9	4.0E	202.7	5000.0E	800.0
225.0	694.52	4.0E	4.5	40.0E	25.8	2.0E	26.8	40.0E	27.6
		8.0E	30.4	2.0E	53.4	8.0E	57.6	2.0E	155.9
		4.0E	163.3	5000.0E	182.1	4.0E	185.2	5000.0E	800.0
230.0	694.52	4.0E	4.2	40.0E	24.6	2.0E	27.2	40.0E	29.6
		8.0E	30.9	2.0E	67.3	8.0E	70.7	2.0E	74.3
		8.0E	75.9	2.0E	161.3	4.0E	172.2	5000.0E	800.0

235.0	694.52	4.0E 2.0E	4.0 68.5	40.0E 8.0E	23.7 71.6	2.0E 2.0E	27.9 150.9	40.0E 5000.0E	30.9 800.0
240.0	694.52	4.0E 2.0E	3.8 57.1	40.0E 8.0E	23.0 62.3	2.0E 2.0E	28.9 159.4	40.0E 5000.0E	29.2 800.0
245.0	694.52	4.0E 2.0E	3.7 153.3	40.0E 5000.0E	22.5 800.0	2.0E	48.4	8.0E	55.6
250.0	694.52	4.0E 2.0E 5000.0E	3.6 32.2 800.0	40.0E 40.0E	18.2 44.1	2.0E 8.0E	19.7 47.4	40.0E 2.0E	22.2 151.0
255.0	694.52	4.0E 2.0E	3.5 30.4	40.0E 40.0E	16.6 42.0	2.0E 2.0E	20.3 153.7	40.0E 5000.0E	22.1 800.0
260.0	694.52	4.0E 2.0E 2.0E	3.5 21.2 35.4	40.0E 40.0E 40.0E	9.8 22.1 39.4	2.0E 2.0E 2.0E	11.7 28.9 152.8	40.0E 40.0E 5000.0E	15.4 32.2 800.0
265.0	694.52	4.0E 2.0E	3.4 34.9	40.0E 40.0E	9.8 37.5	2.0E 2.0E	27.0 154.0	40.0E 5000.0E	30.9 800.0
270.0	694.52	4.0E 2.0E	3.5 34.6	40.0E 40.0E	9.9 37.7	2.0E 2.0E	25.2 157.1	40.0E 5000.0E	29.8 800.0
275.0	694.52	4.0E 2.0E	3.5 34.5	40.0E 40.0E	10.1 38.4	2.0E 2.0E	23.7 168.8	40.0E 5000.0E	29.1 800.0
280.0	694.52	4.0E 2.0E	3.6 34.8	40.0E 40.0E	10.4 35.4	2.0E 2.0E	22.6 176.2	40.0E 5000.0E	28.6 800.0
285.0	694.52	4.0E 2.0E	3.7 182.2	40.0E 5000.0E	10.7 800.0	2.0E	21.8	40.0E	28.0
290.0	694.52	4.0E 2.0E	3.8 21.1	40.0E 40.0E	11.2 26.2	2.0E 2.0E	16.7 182.6	40.0E 5000.0E	17.5 800.0
295.0	694.52	4.0E 2.0E	3.8 20.7	40.0E 40.0E	11.8 24.9	2.0E 2.0E	17.6 100.1	40.0E 5000.0E	19.9 800.0
300.0	694.52	4.0E 2.0E	3.9 80.2	40.0E 5000.0E	12.6 800.0	2.0E	18.8	40.0E	23.9

305.0	694.52	4.0E	3.9	40.0E	13.7	2.0E	20.2	40.0E	23.9
		5000.0E	25.9	2.0E	45.8	5000.0E	46.6	2.0E	58.9
		5000.0E	62.3	2.0E	73.6	5000.0E	120.9	1.0E	236.5
		5000.0E	252.0	1.0E	257.0	5000.0E	264.6	1.0E	295.5
		5000.0E	343.8	1.0E	353.0	5000.0E	353.8	1.0E	366.2
		5000.0E	800.0						
310.0	694.52	4.0E	4.0	40.0E	15.0	2.0E	22.2	40.0E	24.6
		5000.0E	31.0	2.0E	48.3	5000.0E	54.6	2.0E	55.7
		5000.0E	107.0	4.0E	120.0	1.0E	493.9	5000.0E	497.8
		1.0E	549.0	5000.0E	800.0				
315.0	694.52	4.0E	4.2	40.0E	16.8	2.0E	24.7	40.0E	25.5
		5000.0E	39.1	2.0E	53.2	5000.0E	109.0	4.0E	129.7
		1.0E	460.9	5000.0E	800.0				
320.0	694.52	4.0E	4.4	40.0E	19.2	2.0E	21.8	40.0E	25.0
		5000.0E	48.0	2.0E	52.7	5000.0E	111.9	4.0E	122.7
		5000.0E	127.1	4.0E	149.4	1.0E	196.2	4.0E	236.2
		5000.0E	282.7	4.0E	300.1	1.0E	391.9	5000.0E	406.9
		1.0E	422.6	5000.0E	435.7	1.0E	447.7	5000.0E	475.7
		1.0E	529.7	5000.0E	535.0	1.0E	542.5	5000.0E	543.0
		1.0E	557.1	5000.0E	569.4	1.0E	577.6	5000.0E	585.2
		1.0E	589.6	5000.0E	800.0				
325.0	694.52	4.0E	4.6	40.0E	23.6	5000.0E	123.3	4.0E	127.5
		5000.0E	147.2	4.0E	207.5	5000.0E	374.8	1.0E	542.5
		5000.0E	545.8	1.0E	659.5	5000.0E	666.7	1.0E	681.6
		5000.0E	710.5	1.0E	771.0	5000.0E	796.5	1.0E	800.0
330.0	694.52	4.0E	4.9	40.0E	22.5	5000.0E	265.7	1.0E	316.6
		5000.0E	338.4	1.0E	800.0				
335.0	694.52	4.0E	5.3	40.0E	21.6	5000.0E	209.4	1.0E	230.3
		5000.0E	246.0	1.0E	800.0				
340.0	694.52	4.0E	5.8	40.0E	20.9	5000.0E	157.4	4.0E	160.9
		5000.0E	215.5	1.0E	519.8	2.0E	676.2	1.0E	800.0
345.0	694.52	4.0E	6.5	40.0E	20.5	5000.0E	74.7	2.0E	84.6
		5000.0E	152.0	4.0E	162.7	5000.0E	165.4	4.0E	176.4
		5000.0E	179.7	1.0E	444.6	2.0E	726.5	1.0E	800.0
350.0	694.52	4.0E	7.4	40.0E	20.2	5000.0E	67.9	2.0E	79.4
		5000.0E	110.4	2.0E	116.1	4.0E	178.9	1.0E	416.1
		2.0E	763.1	1.0E	800.0				
355.0	694.52	4.0E	8.7	40.0E	20.0	5000.0E	62.4	4.0E	80.7
		2.0E	89.2	5000.0E	91.8	4.0E	177.3	1.0E	394.0
		2.0E	806.7						

KILOMETERS FROM ANTENNA

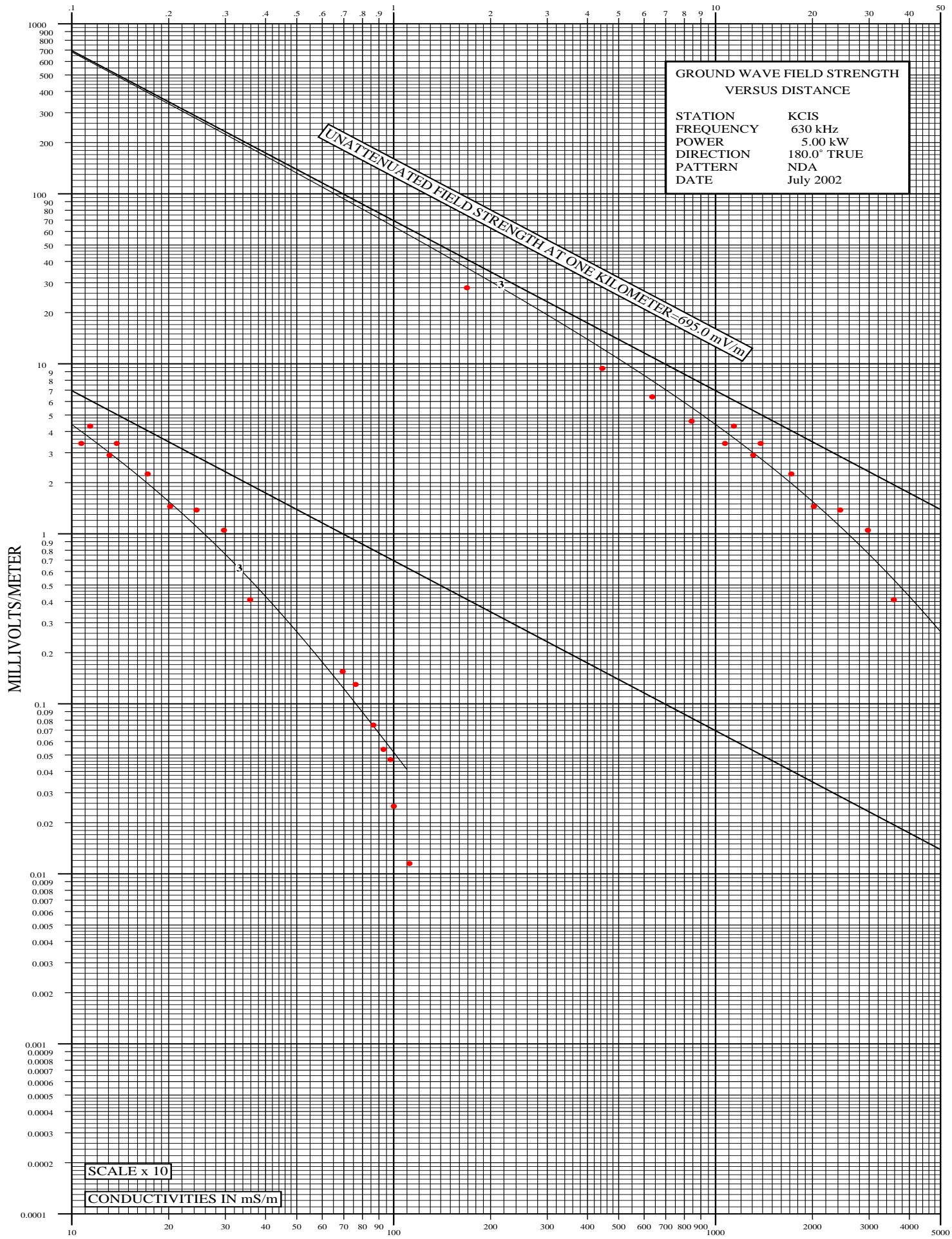


RADIAL 160 degree

FIELD MEASUREMENTS
KCIS 630 KHZ
EDMONDS, WASHINGTON

TIME 24 HR	DISTANCE KM	MV/M	DESCRIPTION
7/24/2002			
1041	0.8	510	Fred Meyer parking lot, Aurora and N 192.
1353	1.98	232	South end Cordell Hull playfield.
1358	3.35	128	Meridian ave N. E. and N. 153rd.
1413	5.92	52	123 ave and 8th N. E. at church.
1428	10	37	S. E. corner of Dahl Park.
1452	15.9	25	1620 43rd ave east.
1531	27.6	10	Baseball field 84th ave SE an SE 78th.
1600	31.4	5.8	Gene Coulon park.
7/3/2002			
1204	33.8	5.4	Park East of 405 and 169th at Renton community center.
1233	36.5	6.8	Spring Glen Elementry school ball field.
1250	41.3	4.2	Kentridge Hight school, east parking lot.
1310	47.9	2.6	Meridian lake park measured west between parking lot and lake.
1323	52.8	1.3	SE 314st, west in yard.
1429	61.9	0.58	196th, 200 south of se 400th, west side of road.
1513	72.4	0.62	Borrell road, north on old railroad bed.
1535	79	0.4	North of Carbonado, entrance to gravel pit.

KILOMETERS FROM ANTENNA



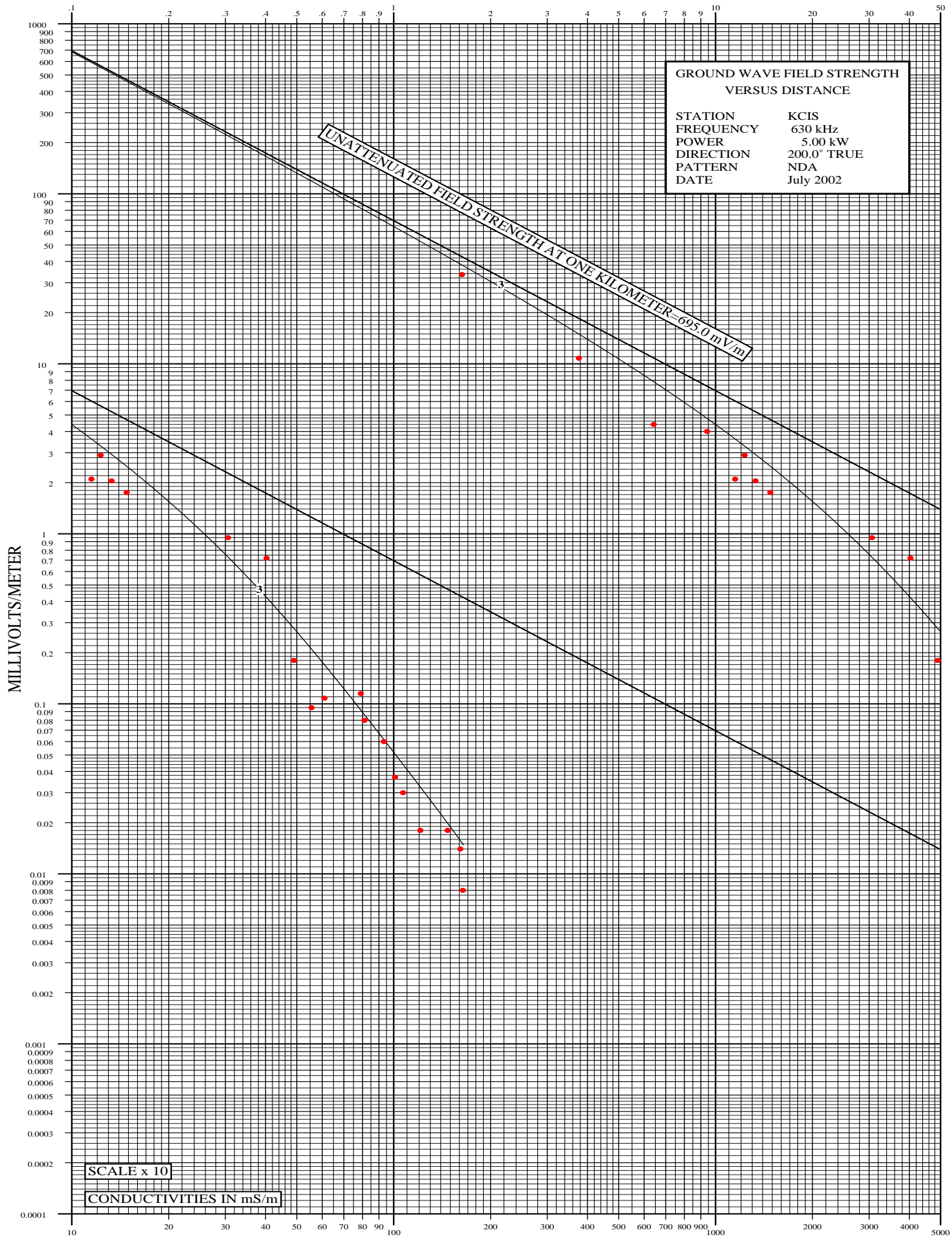
RADIAL 180 DEGREE RADIAL

FIELD MEASUREMENTS
KCIS 630 KHZ
EDMONDS, WASHINGTON

TIME 24 HR	DISTANCE KM	MV/M	DESCRIPTION
7/24/2002			
1052	1.69	280	School football field, N 170th and Linden ave.
1301	4.45	94	North side of Eremont bridge
1253	6.36	64	south parking lot of Woodland park zoo.
1243	8.42	46	Nw corner Woodland park.
1229	10.7	34	Eremont and N 87th
1225	11.4	43	Fremont and N 112th
1210	13.1	29	North end of Bitter lake.
7/25/2002			
1118	13.8	34	Mayfair park snd ave north and Raye.
1137	17.2	22.5	Alaskan way and Vine street.
1236	20.2	14.5	North Harbour island.
1258	24.4	13.8	South Seattle community college.
1318	29.7	10.5	606 SW 116th
1332	35.8	4.1	23 place SW and SW 174th.
7/29/2002			
1313	93	0.54	50th ave east, across the street from a barn.
1321	97.7	0.47	Sliver lake exit, measured at 'Y' in road.
1328	100	0.25	West side hightway 7 in a pull out.

HATFIELD & DAWSON CONSULTING ENGINEERS

KILOMETERS FROM ANTENNA



RADIAL 200 DEGREE RADIAL

FIELD MEASUREMENTS
KCIS 630 KHZ
EDMONDS, WASHINGTON

KCIS 200°

TIME 24 HR	DISTANCE KM	MV/M	DESCRIPTION
7/24/2002			
1059	1.63	335	105 NW 172nd street.
1112	3.76	108	SW corner Seattle Golf Club.
1128	6.42	44	West end of Carkeek Park.
1146	9.41	40	Shilshole Bay Park.
1158	11.5	21	Seaview Ave, North of Ballard locks.
7/25/2002			
1031	12.3	29	N Fort Lawton.
1045	13.3	20.5	South Fort Lawton.
1054	14.8	17.5	West Montfort and Magnolia Blvd. West.
7/30/2002			
5/16/1903	30.6	9.5	Park and ride lot Southworth Ferry terminal.
1253	40.3	7.2	North of road over looking Covos passage.
1309	49	1.8	North of fire station in the grass.
1425	55.6	0.95	North of 'No Parking' sign, Wollochey drive at East bay.
1503	61	1.08	Parking lot Alliance Church, Fox island.
8/27/2002			
1615	86.8	0.540	North side of highway 510 in field east of a sign ".....my daddy works here."
1623	88.7	0.500	Across from 7952 Lake Forest drive.
1633	90.6	0.480	Behind mailboxes, off sidewalk in the grass. House west is 7830 48th loop.
1710	95.5	0.440	Oakbrook Drive at 86th Ave, SE, Measured SE of intersection.
1722	107	0.225	In field North of Tenino. East in field 200 feet. Watch for stable reading.
1734	116	0.200	East in driveway off 507. Watch GPS. (I missed the address.)
1750	120	0.220	North off Big Hanaford road, west of old barn.
1806	128	0.210	Across from fair grounds in field, east of National ave.
1828	135	0.180	Measured at firestation #64 on Galixie drive.

RADIAL:		630		620		STATION:		CODE: 1 2 3 4 5 6						
PAGE OF		NON-D		DA		KCIS		DATES:						
								INITIALS:						
POINT NO.	DISTANCE in KM	CODE TIME 24hr	FIELD mV/m	CODE TIME 24hr	FIELD mV/m	GPS COORDINATES and DESCRIPTION OF POINT LOCATION								
	79		1.15		—	LAT:								
	81.2		.800		.045	LON:								
	93.2		.600		.070	47 05 .15								
	101		.370		.100	122 44 .19								
	107		.300		.155	46 59 .07								
	121		.18		.15	122 47 .40								
	147		.18		.23	46 56 .64								
	161		.14		.48	122 48 .74								
	164		.08		.42	46 51 .70								
						122 50 .80								
						46 45 .23								
						122 56 .20								
						46 33 .37								
						123 08 .10								
						46 24 .33								
						123 04 .64								
						46 22 .29								
						123 02 .66								

Exhibit 14-6
Tabulations of Azimuths, Fields & Conductivities
KJMC

JOB ID. CODE: MOUNT SHAST, CA D L

Call letters: KJMC

Coordinates: N 41 19 9 W 122 18 35

Frequency: 620 kHz Dielectric constant: 15.0

Azimuth	Radiation (mW/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	271.17	1.0M	5.0	.1M	55.0	4.0E	736.9	5000.0E	751.1
		4.0E	800.0						
5.0	271.17	1.0M	5.0	.1M	55.0	4.0E	800.0		
10.0	271.17	1.0M	5.0	.1M	55.0	4.0E	467.3	8.0E	485.5
		4.0E	800.0						
15.0	271.17	1.0M	5.0	.1M	55.0	4.0E	127.6	8.0E	149.8
		4.0E	343.4	8.0E	529.7	4.0E	699.5	8.0E	773.5
		4.0E	800.0						
20.0	271.17	4.0E	116.8	8.0E	154.1	4.0E	401.7	8.0E	432.7
		15.0E	506.8	4.0E	748.3	8.0E	788.6	4.0E	800.0
25.0	271.17	4.0E	96.5	8.0E	155.8	4.0E	475.3	15.0E	535.3
		4.0E	667.3	15.0E	750.0	4.0E	800.0		
30.0	271.17	4.0E	78.5	8.0E	158.7	4.0E	535.5	15.0E	669.4
		8.0E	795.9	1.0E	806.8				
35.0	271.17	4.0E	71.7	8.0E	163.1	4.0E	677.6	8.0E	745.6
		1.0E	800.1						
40.0	271.17	4.0E	70.9	8.0E	164.1	4.0E	696.7	8.0E	740.8
		1.0E	784.3	4.0E	800.0				
45.0	271.17	4.0E	70.7	8.0E	155.6	4.0E	800.0		
50.0	271.17	4.0E	71.9	8.0E	129.6	4.0E	800.0		
55.0	271.17	4.0E	76.3	8.0E	113.5	4.0E	511.4	8.0E	549.0
		4.0E	800.0						

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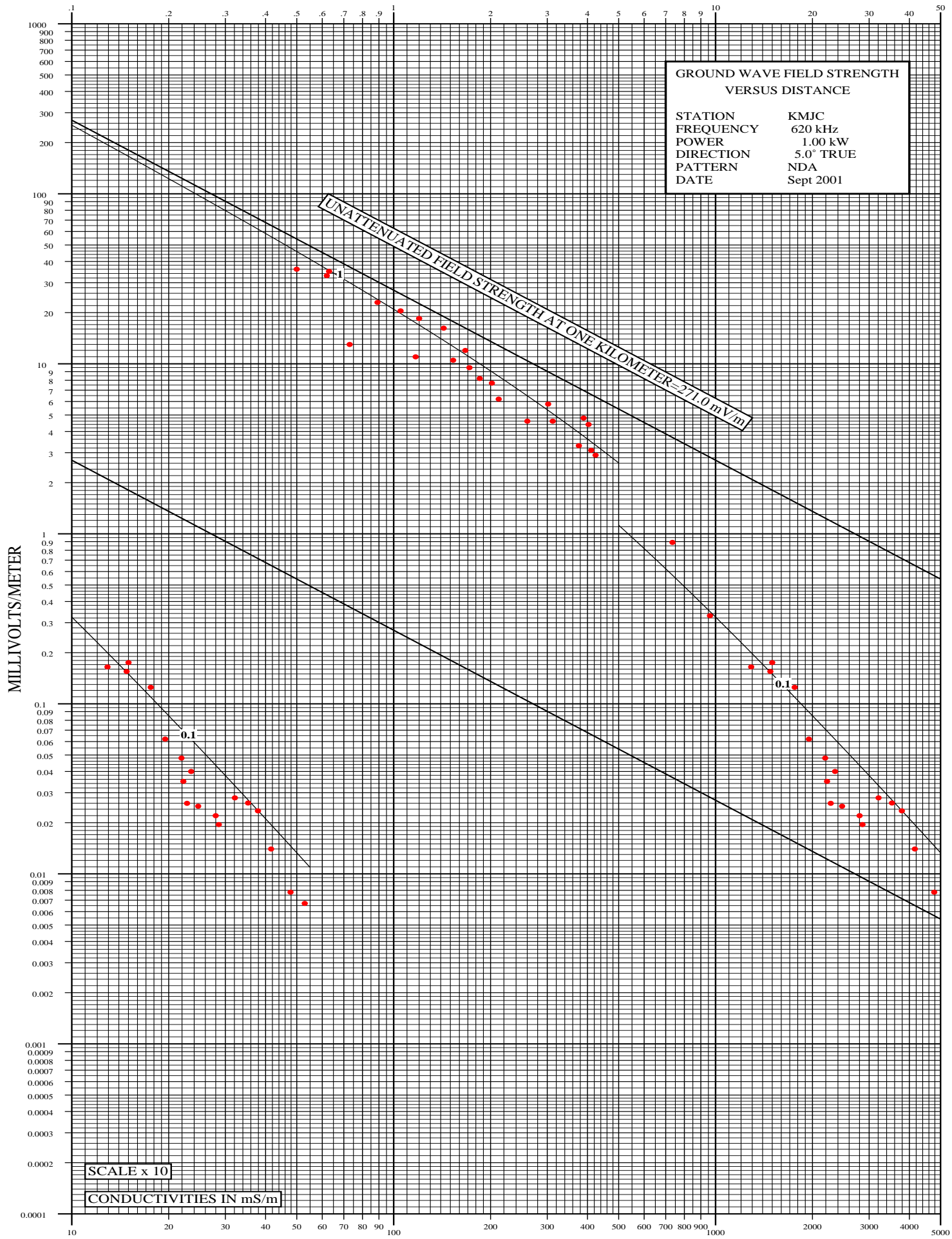
60.0	271.17	4.0E 81.9 4.0E 800.0	8.0E 102.2	4.0E 519.1	8.0E 654.3
65.0	271.17	4.0E 589.0	8.0E 735.8	4.0E 800.0	
70.0	271.17	4.0E 622.5	8.0E 800.0		
75.0	271.17	4.0E 231.5	8.0E 244.0	4.0E 624.6	8.0E 800.0
80.0	271.17	4.0E 203.5	8.0E 350.3	4.0E 599.0	8.0E 800.0
85.0	271.17	4.0E 191.8 15.0E 800.0	8.0E 432.9	4.0E 624.3	8.0E 767.4
90.0	271.17	4.0E 183.8 15.0E 800.0	8.0E 433.4	4.0E 657.6	8.0E 774.7
95.0	271.17	4.0E 176.1 15.0E 800.0	8.0E 390.0	4.0E 704.0	8.0E 774.5
100.0	271.17	4.0E 161.5	8.0E 299.3	4.0E 735.8	15.0E 800.0
105.0	271.17	4.0E 154.6	8.0E 281.6	4.0E 714.8	15.0E 800.0
110.0	271.17	4.0E 156.7	8.0E 272.2	4.0E 737.4	15.0E 800.0
115.0	271.17	4.0E 163.2	8.0E 268.4	4.0E 770.9	15.0E 800.0
120.0	271.17	4.0E 171.2	8.0E 271.6	4.0E 780.0	15.0E 800.0
125.0	271.17	4.0E 170.5	8.0E 281.4	4.0E 770.4	15.0E 800.0
130.0	271.17	4.0E 171.2 4.0E 734.3	8.0E 304.0 8.0E 800.0	4.0E 352.1	8.0E 379.8
135.0	271.17	4.0E 175.2	8.0E 385.2	4.0E 727.6	8.0E 800.0
140.0	271.17	4.0E 171.7 8.0E 800.0	8.0E 348.0	2.0E 358.8	4.0E 778.9
145.0	271.17	4.0E 168.4 8.0E 800.0	8.0E 322.4	2.0E 677.8	4.0E 766.9
150.0	271.17	4.0E 92.2 2.0E 672.4	8.0E 109.3 4.0E 769.7	4.0E 166.6 8.0E 800.0	8.0E 327.2
155.0	271.17	4.0E 83.6 15.0E 538.0 4.0E 800.0	8.0E 122.2 8.0E 596.2	4.0E 153.9 15.0E 658.4	8.0E 504.0 8.0E 758.1

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160.0	271.17	4.0E	77.0	8.0E	200.4	15.0E	255.1	8.0E	290.0
		15.0E	351.2	8.0E	371.0	15.0E	508.2	8.0E	736.8
		4.0E	800.0						
165.0	271.17	4.0E	73.8	8.0E	191.5	15.0E	491.6	8.0E	786.1
		5000.0E	800.0						
170.0	271.17	4.0E	73.1	8.0E	173.3	30.0E	371.9	15.0E	449.1
		8.0E	655.7	5000.0E	800.0				
175.0	271.17	4.0E	72.9	8.0E	166.5	30.0E	364.6	15.0E	434.4
		30.0E	436.4	8.0E	494.1	5000.0E	513.7	15.0E	568.6
		5000.0E	800.0						
180.0	271.17	4.0E	73.2	8.0E	177.5	30.0E	254.4	8.0E	351.4
		5000.0E	366.0	30.0E	393.3	5000.0E	415.4	8.0E	465.4
		5000.0E	800.0						
185.0	271.17	4.0E	78.9	8.0E	320.9	30.0E	379.8	5000.0E	800.0
190.0	271.17	4.0E	86.3	8.0E	141.8	4.0E	205.6	8.0E	285.3
		30.0E	344.3	5000.0E	800.0				
195.0	271.17	4.0E	101.6	8.0E	118.3	4.0E	226.1	8.0E	266.4
		30.0E	321.6	5000.0E	800.0				
200.0	271.17	4.0E	245.5	8.0E	258.7	30.0E	304.9	5000.0E	800.0
205.0	271.17	4.0E	264.0	30.0E	294.3	5000.0E	800.0		
210.0	271.17	4.0E	258.4	5000.0E	800.0				
215.0	271.17	4.0E	222.3	5000.0E	800.0				
220.0	271.17	4.0E	211.1	5000.0E	800.0				
225.0	271.17	4.0E	207.0	5000.0E	800.0				
230.0	271.17	4.0E	205.3	5000.0E	800.0				
235.0	271.17	4.0E	209.4	5000.0E	800.0				
240.0	271.17	4.0E	204.8	5000.0E	800.0				
245.0	271.17	4.0E	192.0	5000.0E	800.0				
250.0	271.17	4.0E	173.6	5000.0E	800.0				
255.0	271.17	4.0E	161.4	5000.0E	800.0				

260.0	271.17	4.0E	157.5	5000.0E	800.0														
265.0	271.17	4.0E	153.4	5000.0E	800.0														
270.0	271.17	4.0E	148.8	5000.0E	800.0														
275.0	271.17	4.0E	147.5	5000.0E	800.0														
280.0	271.17	4.0E	150.7	5000.0E	800.0														
285.0	271.17	4.0E	157.9	5000.0E	800.0														
290.0	271.17	4.0E	170.3	5000.0E	800.0														
295.0	271.17	4.0E	174.3	5000.0E	800.0														
300.0	271.17	4.0E	197.1	5000.0E	800.0														
305.0	271.17	4.0E	213.8	5000.0E	800.0														
310.0	271.17	4.0E	223.9	5000.0E	800.0														
315.0	271.17	1.0M	5.0	.5M	20.0	1.5M	50.0	4.0E	253.2										
		5000.0E	800.0																
320.0	271.17	1.0M	5.0	.5M	20.0	1.5M	50.0	4.0E	268.1										
		5000.0E	800.0																
325.0	271.17	1.0M	5.0	.5M	20.0	1.5M	50.0	4.0E	280.5										
		5000.0E	283.6	4.0E	283.9	5000.0E	800.0												
330.0	271.17	1.0M	5.0	.5M	20.0	1.5M	50.0	4.0E	303.4										
		5000.0E	800.0																
335.0	271.17	1.0M	5.0	.5M	20.0	1.5M	50.0	4.0E	345.4										
		5000.0E	800.0																
340.0	271.17	1.0M	70.0	4.0E	405.2	5000.0E	800.0												
345.0	271.17	1.0M	70.0	4.0E	482.4	5000.0E	492.1	4.0E	492.8										
		5000.0E	800.0																
350.0	271.17	1.0M	70.0	4.0E	552.6	5000.0E	559.2	4.0E	611.9										
		2.0E	780.6	5000.0E	814.3														
355.0	271.17	1.0M	5.0	.1M	55.0	4.0E	581.8	2.0E	645.7										
		8.0E	646.7	2.0E	655.7	8.0E	657.6	2.0E	673.9										
		8.0E	678.0	2.0E	680.9	8.0E	683.1	2.0E	759.8										
		5000.0E	800.0																

KILOMETERS FROM ANTENNA



KMJC Mt Shasta California
 620 Khz, 5 Degree Radial
 Measured by D. Wayne Woollard
 FIM-41 Serial # 1710

Distance km	Field mV/m	Date 2001	Time PDT	Description
.50	360	9-27	1022	Mt. Shasta Blvd @ Chestnut
.62	330	9-27	1028	Shasta Lube & Oil
.73	130	9-27	1032	100 Yds. N. Of RR Tracks
1.17	110	9-27	1039	Entrance to Dairy Barn
1.53	105	9-27	1042	Mt Shasta Blvd.
2.12	62	9-27	1050	Mt. Shasta Blvd.
2.60	46	9-27	1057	Mt. Shasta Blvd.
3.02	58	9-27	1106	Mt. Shasta Blvd.
3.89	48	9-27	1112	Mt. Shasta @ Spring Hill Rd.
4.03	44	9-27	1115	Abrams Lake Rd.
7.35	8.9	9-27	1138	Summit Drive
9.6	3.3	9-27	1150	S. Main Street
12.9	1.65	9-27	1221	Towne House Motel
14.8	1.55	9-27	1240	97 @ Alameda Ave.
15.0	1.75	9-27	1248	Maple & Main
17.6	1.25	9-27	1255	Little Shastina & Big Springs Rd.
19.5	0.62	9-27	1303	Hiway 97 @ MP 6.0
21.9	0.48	9-27	1313	Just hill rd.
22.2	0.35	9-27	1319	Nine mile marker
22.8	0.26	11-5	1033	Highway 97 @ whitney Creek
23.5	0.40	9-27	1324	Hiway 97 @ Milepost 10.5
24.7	0.25	9-27	1329	Grand Junction
28.0	0.22	9-27	1341	Emigrant Trail
28.6	0.195	11-5	1046	Highway A-12 @ Pluto Cave
32.1	0.28	9-27	1356	Service Road
35.3	0.261	9-27	1410	Grass lake Summit
37.9	0.235	9-27	1425	Grass Lake Rest Area
41.6	0.14	9-27	1437	Highway 97 @ Mile post 27.5
47.8	0.078	9-27	1449	Mt. Hebron Summit
52.9	0.067	9-27	1503	Juniper Lodge Parking Lot

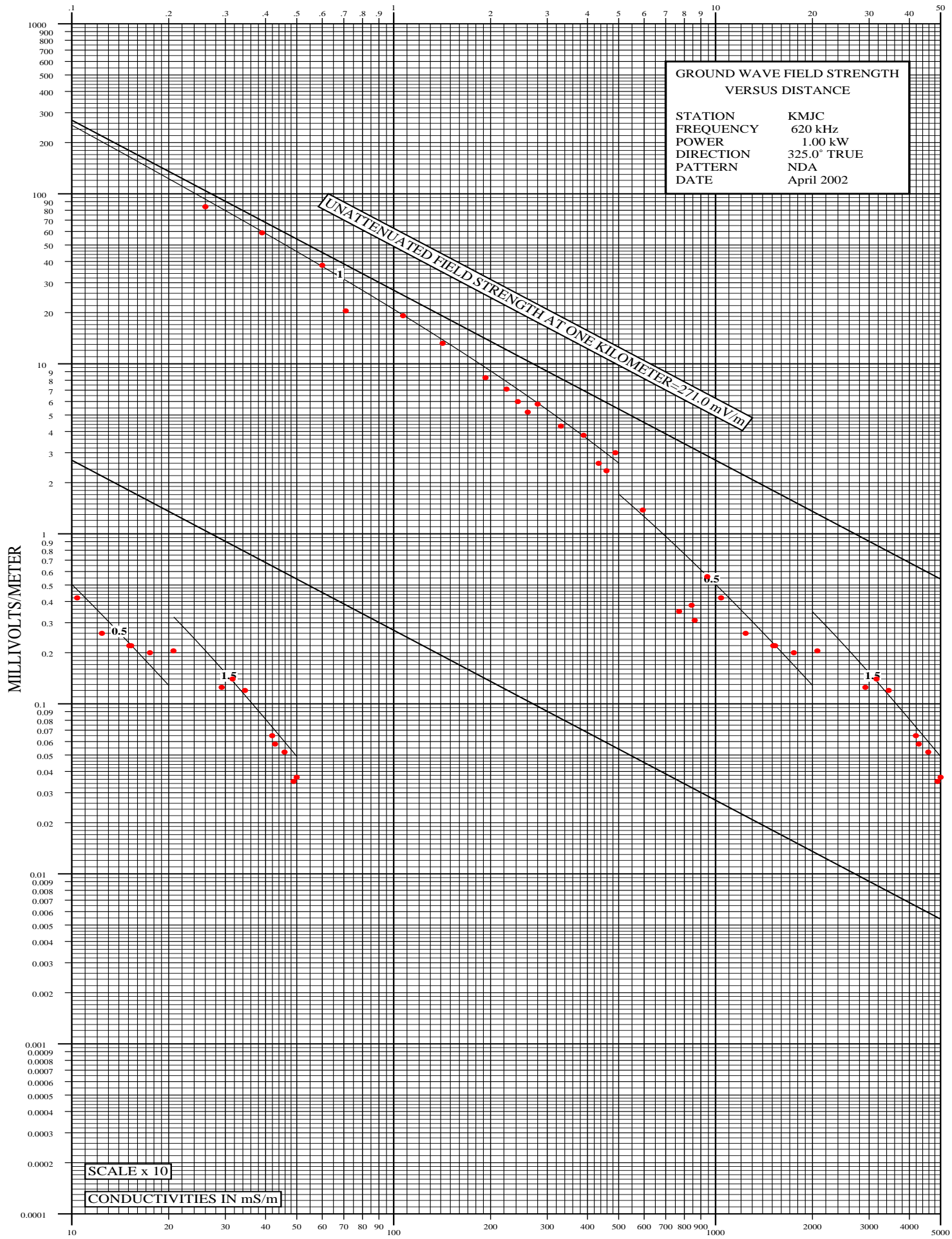
Close in Measurements

Serial # 1710

D. Wayne Woollard

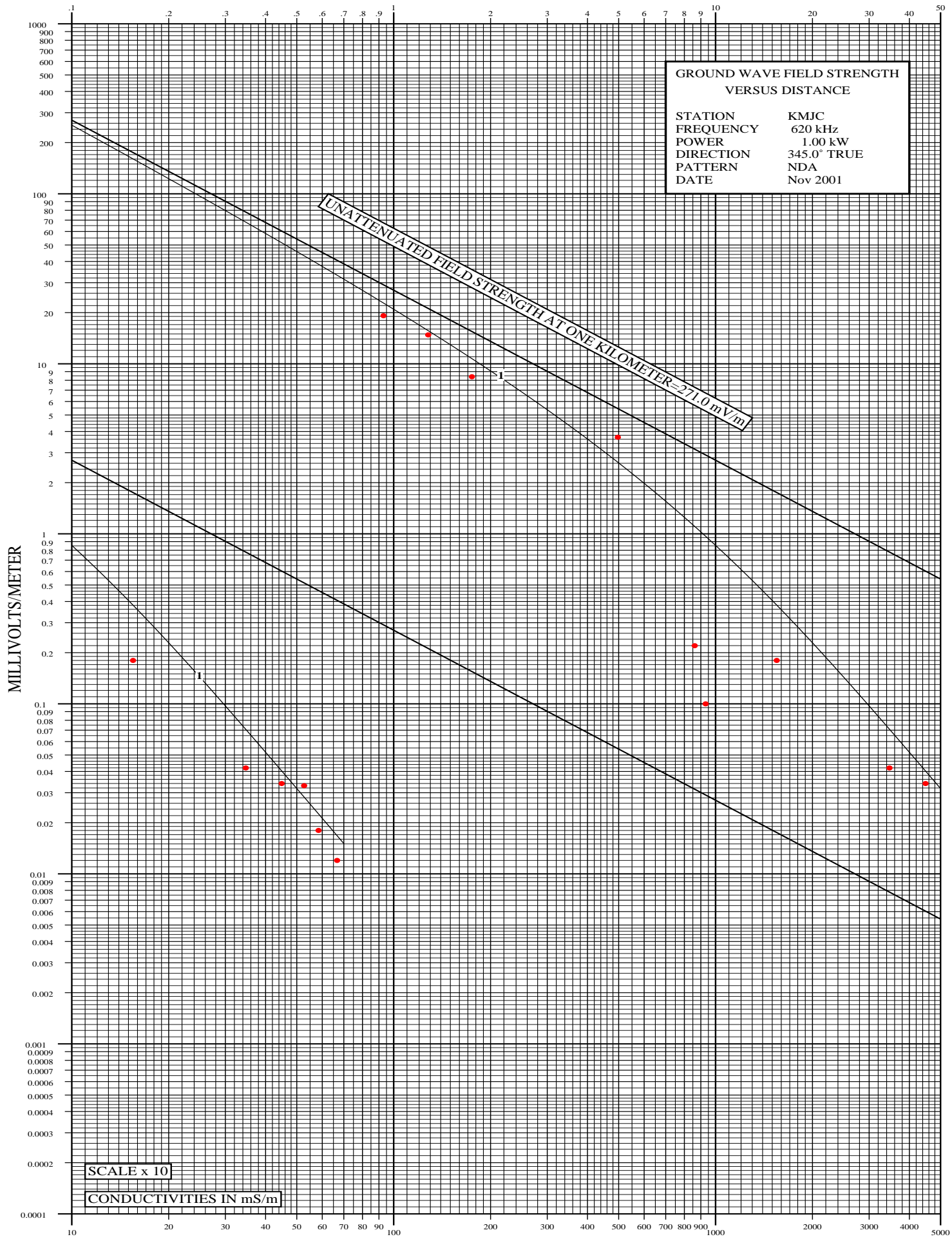
Distance Km	Field mV/m	Date 2002	Time PDT	Description
00.50	360	4/22	1318	202 Shasta Avenue
00.63	350	"	1324	634 Butte Avenue
00.89	230	"	1338	Ski Village Dr. & Shasta Alpine Dr.
01.05	205	"	1345	Redwood Place
01.20	185	"	1357	325 Oakway Dr.
01.43	162	"	1414	Red Bud Drive
01.67	120	"	1428	Mt Shasta Path
01.72	95	"	1436	In Reforestation Project
01.85	82	"	1450	Everitt Memorial Highway
02.02	77	"	1507	Dirt road in Plantation Project
03.12	46	"	1512	Dirt road in Plantation Project
03.76	33	"	1529	Everitt Memorial Highway
04.11	31	"	1534	Dirt road in Plantation Project
04.24	29	"	1548	Black Butte Entrance

KILOMETERS FROM ANTENNA



Distance Km	Field mV/m	Date 2002	Time PDT	Description
00.26	840	4/23	0935	704 Carmen Ave.
00.39	590	"	0941	Dead end of Kenneth St.
00.60	380	"	0954	Dead end of Kenneth Way
00.71	205	"	1003	Corner Shasta Ave. & Morris St.
01.07	192	"	1015	141 Ski Village Dr.
01.42	132	"	1021	End of Crispi Road
01.93	83	"	1036	Walk on dirt road inside Reforestation
02.24	71	"	1051	Walk on dirt road inside Reforestation
02.43	60	"	1118	Walk on dirt road inside Reforestation
02.61	52	"	1134	Walk on dirt road inside Reforestation
02.80	58	"	1156	Walk on dirt road inside Reforestation
03.31	43	"	1216	in Quarry off of Springhill Dr.
03.89	38	"	1234	Sousa Quarry Road
04.33	26	"	1245	County Dump Road
04.58	23.5	"	1301	County Disposal Site office
04.88	30.0	"	1320	End of Springhill Road
05.94	13.8	"	1344	Black Butte Summit Road
07.70	3.5	"	1405	Private Road North Side of Black Butte
08.42	3.8	"	1426	Logging Road off Truck Village Rd.
08.61	3.1	"	1438	End of truck Scales
09.43	5.6	"	1454	Interstate 5
10.40	4.2	4/24	0915	Sugar Pine Road
12.40	2.6	"	0929	College Road
15.10	2.2	"	0949	Interstate 5 @ Mile post SIS R-21
15.30	2.2	"	1007	Edgewood Rd. @ Edgewood Trailer Park
17.50	2.0	"	1022	Edgewood Road @ Edgewood/Weed Road
20.70	2.05	"	1036	Edgewood Road @ Shasta Valley Rd.
29.20	1.25	"	1058	Louie Road @ Piecemeal Ranch Road
31.60	1.4	"	1117	Old Highway 99 @ Gustaffson Ranch
34.50	1.2	"	1138	Timmons Rd. @ Westside Road
41.90	0.65	"	1155	Melinda Road
42.80	0.58	"	1209	7900 Cram Gulch Road
45.80	0.52	"	1223	Sturgis Road
48.90	0.35	"	1325	Junction Westside and Old 99
50.00	0.37	"	1431	Westside Road @ Eye Center

KILOMETERS FROM ANTENNA



KMJC Mt Shasta California
 620 Khz, 345 Degree Radial
 Measured by D. Wayne Woollard
 FIM-41 Serial # 1710

Distance km	Field mV/m	Date 2001	Time PDT	Description
.93	192	11-5	0914	503 Ski Mountain Rd.
1.28	148	11-5	0904	Everett Highway
1.75	84	11-5	0908	Shasta Path
4.97	37	11-5	0918	Spring Hill Rd.
8.61	2.2	11-5	0930	Black Butte Lookout
9.32	1.0	11-5	1000	800 Black Butte Blvd
15.5	1.8	11-5	1018	Highway 97 @ Scales
34.7	0.42	11-5	1105	Big Springs Rd.
44.9	0.34	11-5	1130	Lower Big Springs & Little Shasta Rd.
52.7	0.33	11-5	1316	Air Tanker Base Siskiyou Co. Airport
58.4	0.18	11-5	1407	Ager Rd. @ York Ranch Rd.
66.7	0.12	11-5	1420	Copco Rd. @ Steelhead

Distance Km	Field mV/m	Date 2002	Time PDT	Description
00.49	485	4/22	0918	Corner Shasta & Carmen Ave.
00.66	355	"	0922	508 Butte Avenue
00.82	290	"	0932	Rear Parking of Dannone Waters
00.94	260	"	0940	503 Ski Village Rd.
01.22	182	"	0956	Raspberry & Oak Way
01.51	140	"	1008	Red Bud Drive
01.74	115	"	1019	420 Mt. Shasta Path
01.90	92	"	1026	Quarry off Mt. Shasta Path
02.06	82	"	1034	Cross Road in Forest
02.81	58	"	1046	Short road in Reforestation Project
03.34	47	"	1054	Walk on radial in Spring Hill Plantation
03.56	44	"	1110	Walk on radial in Spring Hill Plantation
03.74	39	"	1126	Walk on radial in Spring Hill Plantation
03.99	35	"	1142	Black Butte Lookout Road

Exhibit 14-6
Tabulations of Azimuths, Fields & Conductivities
KWRO

JOB ID. CODE: COQUILLE, OR D L

Call letters: KWRO

Coordinates: N 43 10 17 W 124 11 54

Frequency: 630 kHz Dielectric constant: 15.0

Azimuth	Radiation (mW/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	655.17	1.5M	40.0	.1M	55.0	4.0E	55.2	5000.0E	59.1
		4.0E	65.6	5000.0E	446.3	2.0E	563.4	5000.0E	593.7
		1.0E	662.5	4.0E	683.9	5000.0E	739.2	1.0E	800.0
5.0	655.17	1.5M	40.0	.1M	55.0	4.0E	59.8	5000.0E	64.6
		4.0E	236.1	5000.0E	237.8	4.0E	259.7	5000.0E	264.4
		4.0E	337.4	5000.0E	345.7	4.0E	399.0	2.0E	554.7
		5000.0E	578.0	4.0E	612.3	5000.0E	718.0	1.0E	800.0
10.0	655.17	1.5M	40.0	.1M	55.0	4.0E	58.4	5000.0E	62.1
		4.0E	339.1	5000.0E	345.8	4.0E	387.6	2.0E	468.8
		8.0E	477.9	2.0E	481.3	8.0E	486.8	2.0E	553.2
		5000.0E	635.7	2.0E	640.1	4.0E	699.2	1.0E	800.0
15.0	655.17	1.5M	13.0	1.0M	24.0	.5M	50.0	.1M	160.0
		4.0E	393.3	2.0E	457.9	8.0E	472.8	2.0E	473.9
		8.0E	510.4	40.0E	515.8	4.0E	552.4	5000.0E	561.3
		4.0E	733.6	1.0E	806.0				
20.0	655.17	1.5M	13.0	1.0M	24.0	.5M	50.0	.1M	160.0
		4.0E	694.2	1.0E	759.1	2.0E	800.0		
25.0	655.17	1.5M	13.0	1.0M	24.0	.5M	50.0	.1M	160.0
		4.0E	723.4	1.0E	750.6	2.0E	800.0		
30.0	655.17	1.5M	13.0	1.0M	24.0	.5M	50.0	.1M	160.0
		4.0E	762.0	2.0E	804.0				
35.0	655.17	1.5M	20.0	.5M	180.0	4.0E	591.8	8.0E	670.8
		4.0E	813.4						
40.0	655.17	1.5M	20.0	.5M	180.0	4.0E	358.6	8.0E	401.7
		4.0E	634.9	8.0E	682.4	4.0E	800.0		

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45.0	655.17	1.5M	20.0	.5M	180.0	4.0E	319.5	8.0E	418.7
		4.0E	598.1	15.0E	657.2	4.0E	800.0		
50.0	655.17	1.5M	20.0	.5M	180.0	4.0E	291.1	8.0E	379.0
		15.0E	427.6	4.0E	562.8	15.0E	619.8	8.0E	716.0
		1.0E	761.0	4.0E	800.0				
55.0	655.17	4.0E	269.3	8.0E	361.0	15.0E	560.6	4.0E	626.6
		8.0E	713.7	1.0E	760.5	4.0E	800.0		
60.0	655.17	4.0E	262.8	8.0E	306.9	4.0E	683.2	8.0E	723.3
		1.0E	754.0	4.0E	800.0				
65.0	655.17	4.0E	800.0						
70.0	655.17	4.0E	800.0						
75.0	655.17	4.0E	800.0						
80.0	655.17	4.0E	578.5	8.0E	762.8	4.0E	800.0		
85.0	655.17	4.0E	684.7	8.0E	800.0				
90.0	655.17	4.0E	762.7	8.0E	800.0				
95.0	655.17	4.0E	738.3	8.0E	800.0				
100.0	655.17	4.0E	791.9	8.0E	800.0				
105.0	655.17	4.0E	523.7	8.0E	611.4	4.0E	800.0		
110.0	655.17	4.0E	194.2	8.0E	280.3	4.0E	405.2	8.0E	609.8
		4.0E	800.0						
115.0	655.17	4.0E	214.3	8.0E	281.2	4.0E	393.1	8.0E	578.1
		4.0E	800.0						
120.0	655.17	4.0E	227.4	8.0E	285.6	4.0E	395.3	8.0E	512.8
		4.0E	800.0						
125.0	655.17	4.0E	238.6	8.0E	283.9	4.0E	392.4	8.0E	507.4
		4.0E	800.0						
130.0	655.17	4.0E	399.1	8.0E	517.5	4.0E	800.0		
135.0	655.17	4.0E	423.0	8.0E	558.6	4.0E	592.9	8.0E	639.3
		4.0E	800.0						
140.0	655.17	4.0E	430.8	8.0E	611.9	4.0E	800.0		

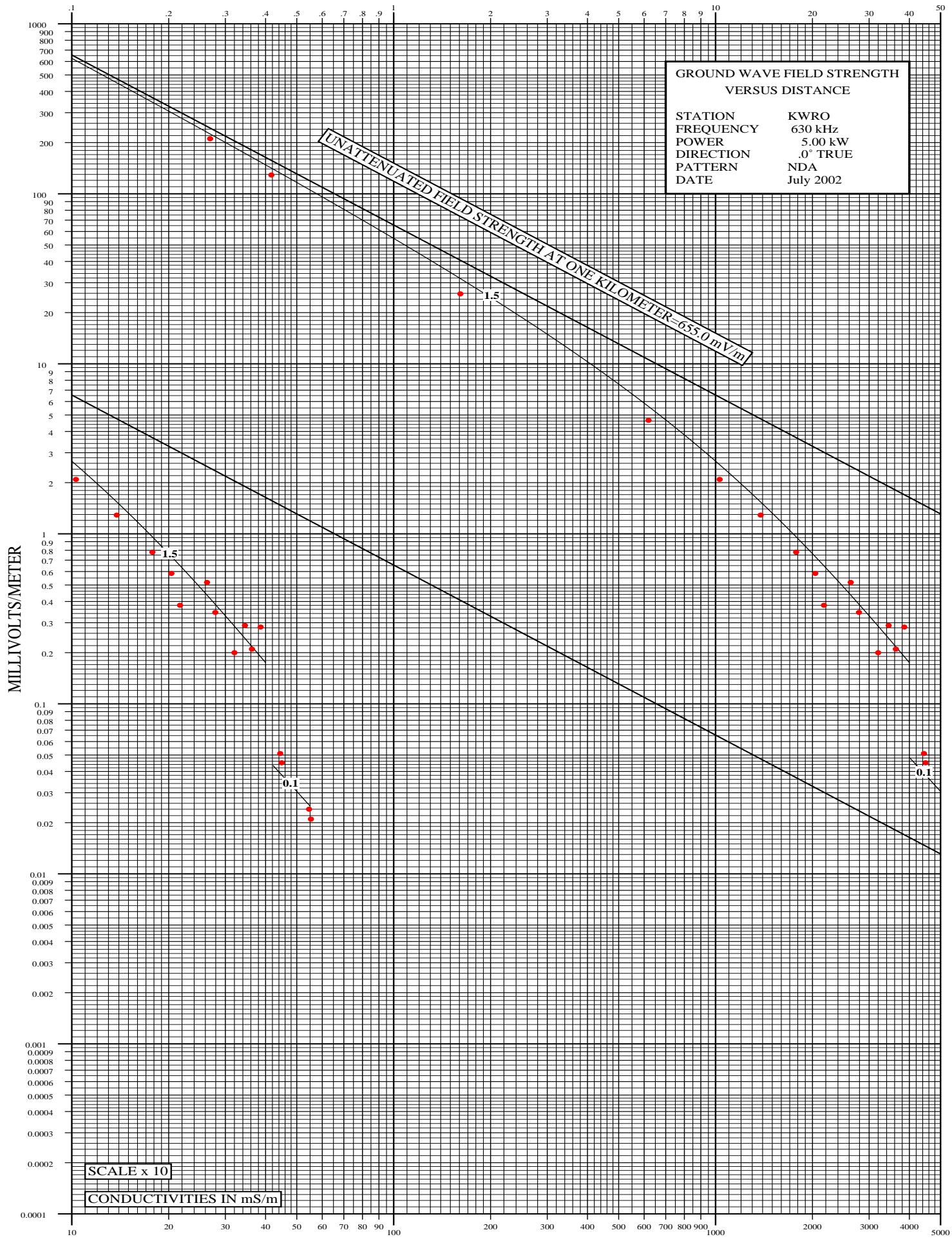
145.0	655.17	4.0E 2.0E	341.0 800.0	8.0E	371.0	4.0E	423.5	8.0E	579.2
150.0	655.17	4.0E 15.0E	320.0 792.6	8.0E 8.0E	450.3 800.0	15.0E	489.2	8.0E	753.0
155.0	655.17	4.0E 8.0E	326.0 800.0	8.0E	408.6	30.0E	577.4	15.0E	748.4
160.0	655.17	4.0E 8.0E	400.0 800.0	8.0E	473.2	30.0E	603.5	15.0E	687.1
165.0	655.17	4.0E 8.0E	434.1 624.3	8.0E 5000.0E	573.3 640.9	30.0E 8.0E	580.9 710.8	5000.0E 5000.0E	615.9 800.0
170.0	655.17	4.0E	444.0	8.0E	459.5	30.0E	533.1	5000.0E	800.0
175.0	655.17	4.0E 30.0E	390.3 477.7	5000.0E 5000.0E	409.4 800.0	4.0E	447.2	5000.0E	468.1
180.0	655.17	4.0E	158.6	5000.0E	258.5	4.0E	337.0	5000.0E	800.0
185.0	655.17	4.0E	121.5	5000.0E	800.0				
190.0	655.17	4.0E	104.1	5000.0E	800.0				
195.0	655.17	4.0E	66.0	5000.0E	800.0				
200.0	655.17	4.0E	58.6	5000.0E	800.0				
205.0	655.17	4.0E	55.0	5000.0E	800.0				
210.0	655.17	4.0E	54.0	5000.0E	800.0				
215.0	655.17	4.0E	50.2	5000.0E	800.0				
220.0	655.17	4.0E	41.8	5000.0E	49.1	4.0E	49.5	5000.0E	800.0
225.0	655.17	4.0E	31.2	5000.0E	800.0				
230.0	655.17	4.0E	28.1	5000.0E	800.0				
235.0	655.17	4.0E	25.7	5000.0E	800.0				
240.0	655.17	4.0E	23.9	5000.0E	800.0				
245.0	655.17	4.0E	22.5	5000.0E	800.0				
250.0	655.17	4.0E	21.4	5000.0E	800.0				

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255.0	655.17	4.0E	20.5	5000.0E	800.0				
260.0	655.17	4.0E	19.9	5000.0E	800.0				
265.0	655.17	4.0E	19.1	5000.0E	800.0				
270.0	655.17	4.0E	18.4	5000.0E	800.0				
275.0	655.17	4.0E	18.0	5000.0E	800.0				
280.0	655.17	4.0E	17.6	5000.0E	800.0				
285.0	655.17	4.0E	17.5	5000.0E	800.0				
290.0	655.17	4.0E	17.4	5000.0E	800.0				
295.0	655.17	4.0E	17.5	5000.0E	800.0				
300.0	655.17	4.0E	17.8	5000.0E	800.0				
305.0	655.17	4.0E	18.2	5000.0E	800.0				
310.0	655.17	4.0E	20.4	5000.0E	800.0				
315.0	655.17	4.0E	23.7	5000.0E	800.0				
320.0	655.17	4.0E	13.1	5000.0E	17.0	4.0E	23.6	5000.0E	800.0
325.0	655.17	4.0E	15.0	5000.0E	21.6	4.0E	23.7	5000.0E	800.0
330.0	655.17	4.0E	18.4	5000.0E	800.0				
335.0	655.17	4.0E	22.5	5000.0E	800.0				
340.0	655.17	4.0E	23.9	5000.0E	26.9	4.0E	28.2	5000.0E	800.0
345.0	655.17	4.0E	25.7	5000.0E	27.6	4.0E	31.0	5000.0E	778.2
		1.0E	802.3						
350.0	655.17	1.5M	40.0	.1M	55.0	5000.0E	673.5	1.0E	676.8
		5000.0E	696.4	1.0E	708.0	5000.0E	709.2	1.0E	800.0
355.0	655.17	1.5M	40.0	.1M	55.0	5000.0E	622.5	1.0E	648.0
		5000.0E	648.1	1.0E	719.0	4.0E	721.1	1.0E	757.3
		5000.0E	813.9						

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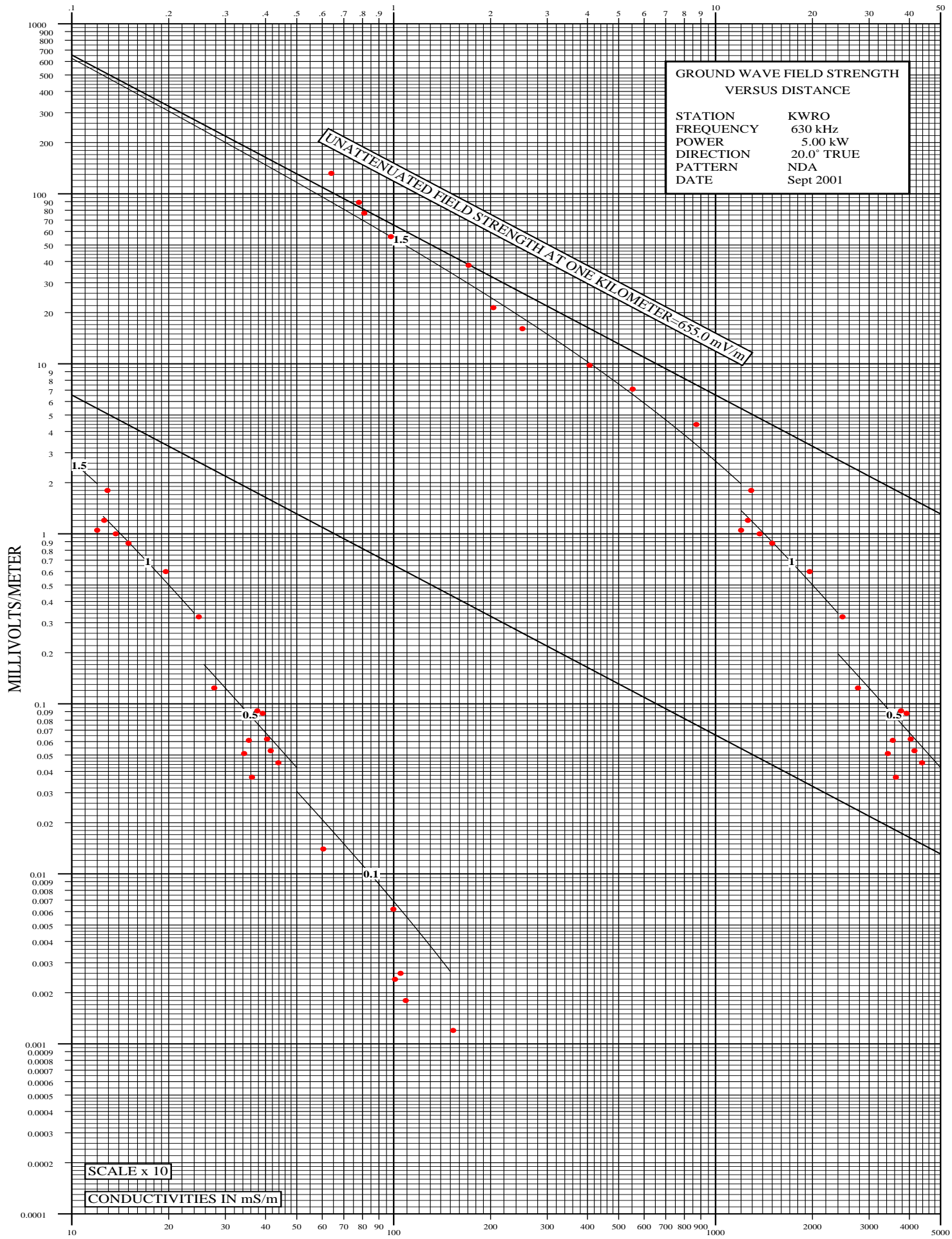
KILOMETERS FROM ANTENNA



630 KWRO 0 DEGREE

POINT	TIME	DISTANCE INVERSE		mV/m	LAT/LON NAD27
		KM	BEARING		
1	14:30	0.269	180	2110	N 43 10.442 W 124 11.888
2	14:40	0.417	180	1290	N 43 10.522 W 124 11.883
3	14:50	1.61	180	258.0	N 43 11.164 W 124 11.890
4	15:30	6.19	180	46.5	N 43 13.629 W 124 11.906
5	15:50	10.30	180	20.9	N 43 15.834 W 124 11.937
6	16:08	13.8	180	12.9	N 43 17.739 W 124 11.866
7	16:20	17.8	180	7.80	N 43 19.867 W 124 11.773
8	16:30	20.4	180	5.85	N 43 21.336 W124 11.783
9	16:40	21.7	180	3.80	N 43 22.040 W 124 11.757
10	17:00	26.3	180	5.18	N 43 24.494 W 124 11.766
11	17:06	27.9	180	3.45	N 43 25.367 W 124 11.740
12	17:48	32.0	180	2.00	N 43 27.605 W 124 11.695
13	18:02	34.5	180	2.89	N 43 28.920 W 124 11.813
14	18:17	36.3	180	2.10	N 43 29.896 W 124 11.707
Measurements made by Shane Ruark on 7/30/02 Weather clear and dry					
15	0.39	38.6	180	2.83	N 43 31.166 W 124 11.674
16	0.376	44.4	180	0.510	N 43 34.283 W 124 11.643
17	0.326	44.9	180	0.450	N 43 34.561 W 124 11.632
18	0.344	54.6	180	0.240	N 43 39.766 W 124 11.570
19	0.353	55.3	180	0.210	N 43 40.139 W 124 11.596

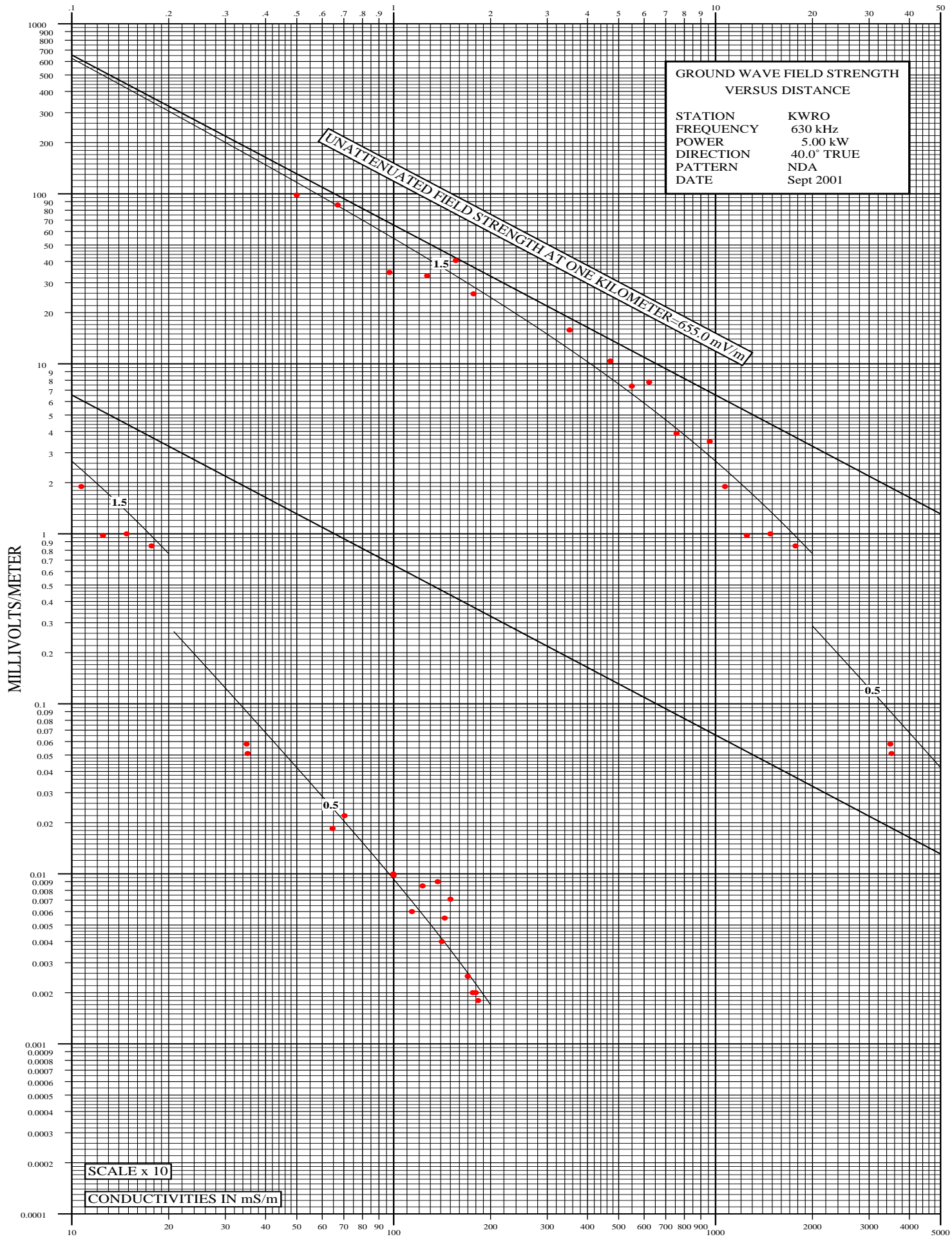
KILOMETERS FROM ANTENNA



KWRO Coquille, Oregon 20 Degree Radial
 Measured by D. Wayne Woollard
 FIM-41 Serial # 1710

Distance km	Field mV/m	Date 2001	Time PDT	Description
.64	1320	9-22	1018	Junction 42S & 42
.78	890	9-22	1024	Rear of Service Area
.81	770	9-22	1039	590 W. 4 th Street
.98	560	9-22	1051	Dead end W. 5 th
1.71	380	9-22	1104	Coquille VFW Post 965
2.04	214	9-22	1116	Dead end W. 19 th
2.51	161	9-22	1123	Budd Rd.
4.06	98	9-22	1139	China Camp Rd.
5.53	71	9-22	1147	Beaver Creek Rd.
8.72	44	9-22	1215	S. Sumner Creek Rd.
12.0	10.5	9-23	1415	Stock Slough Rd.
12.6	12	9-23	1339	Boone Creek W.
12.9	18	9-23	1241	Fairview & Sumner Rd.
13.7	10	9-23	1305	Catching Slough Rd.
15.0	8.8	9-23	1218	Upper Sun Lane & Mesabi Ln.
19.6	6.0	9-23	1146	500 Blue Ridge Rd.
24.8	3.25	9-23	1545	Doris Place Boat Ramp
27.7	1.24	9-23	1617	Logging Rd 2100
34.3	.51	9-24	1516	Elliott Lane & Miliacoma Rd.
35.5	.61	9-24	1534	Junction of Dean Mt. Rd.
36.3	.37	9-24	1551	Mile Post 6, Dean Mt. Rd.
37.7	.91	9-24	1612	Dean Mt. Rd. @ Totten Creek
39.2	.88	9-24	1629	Logging Rd. 2000 & 2060
40.4	.62	9-24	1644	Logging Rd. 2000 & 2080
41.5	.53	9-24	1704	Logging Rd. 2000 & 2120
43.8	.45	9-24	1736	Logging Rd. 2000 & 2200
60.4	.14	9-22	1740	Highway 38 @ Milepost 8
99.7	.062	9-25	1038	Archie Knowles Campground
101	.024	9-25	1017	Highway 126 @ Milepost 17
105	.026	9-25	1100	Junction City Highway Milepost 10
109	.018	9-25	1128	Deadwood Junction
153	.012	9-24	1420	Highway 34 @ Milepost 45

KILOMETERS FROM ANTENNA



KWRO Coquille, Oregon 40 Degree Radial
 Measured by D. Wayne Woollard
 FIM-41 Serial # 1710

Distance km	Field mV/m	Date 2001	Time PDT	Description
.5	985	9-22	1602	Parking lot Jane Forest Rd.
.67	860	9-22	1551	Rear of Sewer plant (phew)
.97	345	9-22	1536	405 W. 4 th Street
1.27	330	9-22	1521	corner N. Alder & W. 6 th Streets
1.56	405	9-22	1509	Rear of 972 A W. Central
1.77	258	9-22	1500	Parking lot 10 th Street Deli
3.52	158	9-22	1448	Fairview Rd. MP 1.661
4.71	104	9-22	1419	Dirt Rd. to North of Fairview
5.49	74	9-22	1406	Bob Gainey Rd.
6.22	78	9-22	1355	Fairview rd. @ Hope rd.
7.57	39	9-23	0945	Poe Lane Ramsay Mail box
9.59	35	9-23	1003	Herman Ranch Gate
10.7	19	9-23	1011	Morgan Ridge Rd.
12.5	9.8	9-23	1027	7 Mile Bridge
14.8	10.0	9-23	1041	Vaughn Point Road
17.7	8.5	9-23	1056	Coos River Rd.
34.9	0.58	9-24	0907	Golden and Silver Falls Park
35.2	0.51	9-24	0912	Park Maint Rd.
64.6	0.185	9-24	1021	Hiway 38 @ Woodpecker Lane
70.4	0.22	9-24	1029	Hiway 38 @ Mile Post 30
99.7	0.10	9-24	1105	Suislaw Rd @ Logging Rd 1200 B
99.9	0.098	9-24	1117	Suislaw Rd. @ MP 32 Dogcreek
114	0.06	9-24	1126	Territory Highway @ Doan Rd.
123	0.085	9-24	1139	Crow Rd. @ Pine Grove Rd.
137	0.090	9-24	1147	Beaver & River loop Rd.
141	0.040	9-24	1158	Coberg Rd. @ Coberg Rd. North
144	0.055	9-24	1209	N. Coberg Rd. @ Mile Post 4
150	0.071	9-24	1211	Marcola Rd.
170	0.025	9-24	1237	Mc Kercher Park, Crawfordsville
176	0.020	9-24	1245	Misty Lane & Fern Ridge
180	0.020	9-24	1307	28231 Lebanon Rd.
183	0.018	9-24	1315	Berlin Rd.