

## APPENDIX M

### WCBM FIELD STRENGTH MEASUREMENTS

TABLE M-1

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 6° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(4/28/02)			
1	0.67	920	1450
(4/29/02)			
2	0.90	1150	1517
3	1.10	760	1500
(4/30/02)			
4	1.30	840	1059
5	1.50	540	1108
6	1.70	410	1117
7	1.85	360	1125
(4/28/02)			
8	2.05	305	1503
9	2.31	275	1510
(4/29/02)			
10	2.60	265	1651
11	2.70	245	1715
12	2.80	295	1656
13	3.00	220	1706
(4/28/02)			
14	3.55	170	1521
15	4.50	145	1527

TABLE M-1 (cont'd)

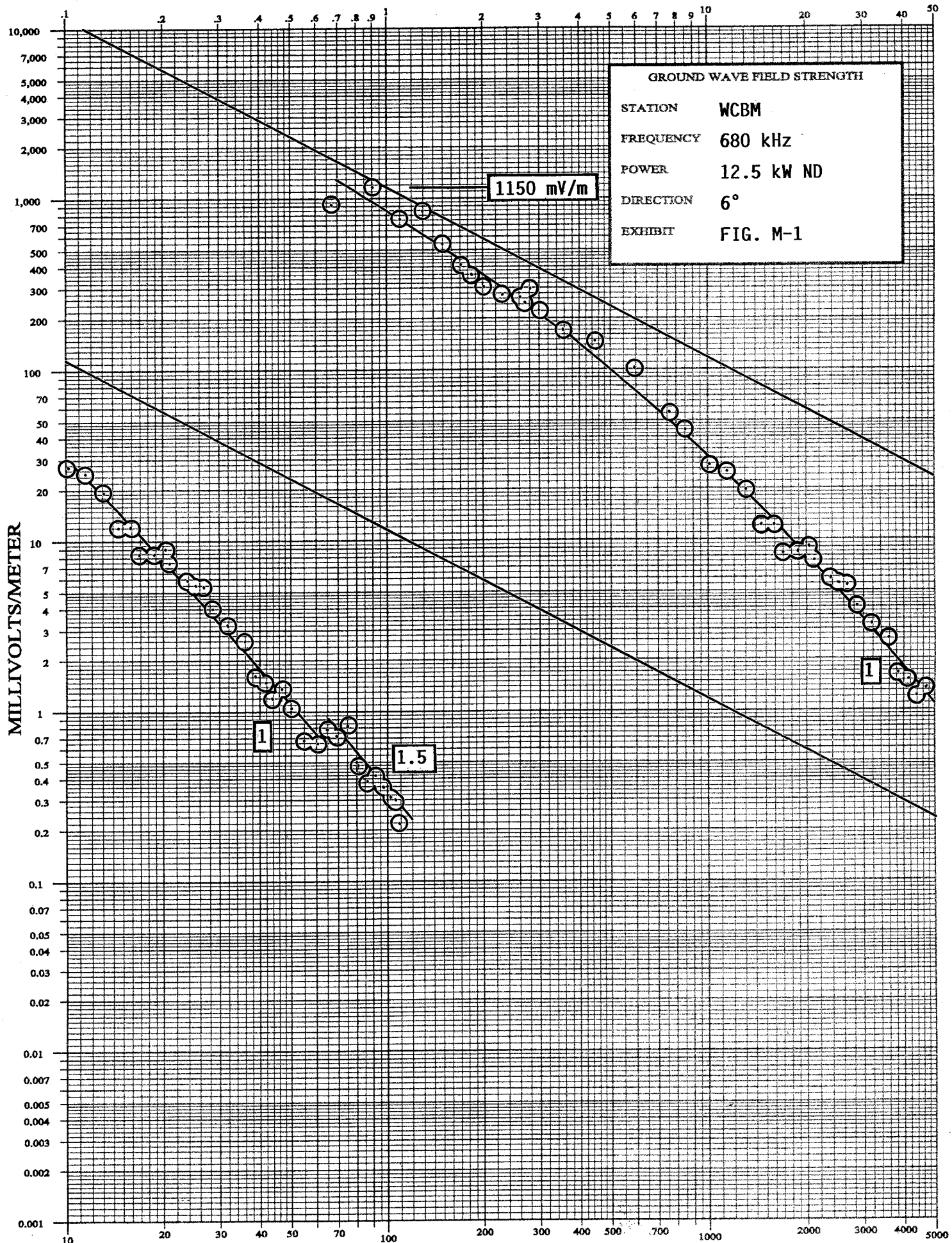
<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
16	5.90	100	1534
17	7.59	55.0	1540
18	8.52	44.0	1547
19	10.13	27.5	1555
20	11.45	25.0	1605
21	13.15	19.5	1612
22	14.55	12.0	1619
23	15.88	12.0	1625
24	16.78	8.40	1630
25	18.88	8.40	1634
26	20.30	9.00	1641
27	21.20	7.40	1645
28	23.60	5.90	1653
29	25.20	5.50	1702
30	26.34	5.30	1707
(4/17/02)			
31	28.62	4.00	0957
32	31.60	3.20	1007
33	35.45	2.60	1021
34	38.50	1.65	1028
35	41.45	1.50	1034
36	43.52	1.20	1040
37	46.81	1.35	1045
38	50.15	1.05	1051

TABLE M-1 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
39	54.95	0.680	1101
40	60.68	0.640	1112
41	65.00	0.780	1124
42	69.65	0.720	1143
43	75.17	0.820	1157
44	81.22	0.580	1214
45	86.48	0.390	1228
46	91.46	0.410	1345
47	97.13	0.355	1400
48	102.05	0.310	1411
49	106.80	0.295	1427
50	110.95	0.215	1437

All points measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

# KILOMETERS FROM ANTENNA



KILOMETERS FROM ANTENNA

CARL E. SMITH CONSULTING ENGINEERS

TABLE M-2

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 25° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(4/30/02)			
1	0.59	1210	1117
2	0.69	1180	1058
3	0.87	1290	0955
4	1.20	920	1010
(4/26/02)			
5	1.30	820	1013
(4/30/02)			
6	1.45	660	1023
7	1.70	510	0955
8	1.90	430	1010
9	2.10	365	1018
10	2.22	335	1025
(4/26/02)			
11	2.36	340	1018
(4/29/02)			
12	2.55	235	1622
13	2.75	195	1630
(4/26/02)			
14	4.38	134	1037
15	4.75	120	1043
16	5.92	80.0	1049

TABLE M-2 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
17	6.42	70.0	1052
18	7.29	47.0	1056
19	8.69	43.0	1100
20	9.43	39.0	1103
21	10.02	41.5	1106
22	10.80	32.0	1112
23	11.50	35.0	1115
24	12.10	25.5	1117
25	13.10	11.5	1120
26	13.68	13.5	1125
27	14.72	14.0	1127
28	15.65	13.5	1129
29	18.10	11.5	1133
(4/18/02)			
30	20.98	5.60	1003
31	22.73	5.20	1007
32	26.20	3.50	1015
33	28.87	2.30	1022
34	31.92	2.10	1031
35	35.12	1.55	1039
36	38.18	0.930	1100
37	41.41	0.950	1108
38	44.58	1.05	1115
39	48.07	1.10	1125
40	51.65	1.00	1136

TABLE M-2 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
41	56.41	0.480	1145
42	60.72	0.560	1156
43	66.05	0.415	1206
44	70.65	0.260	1215
45	76.78	0.450	1247
46	82.52	0.360	1315
47	88.05	0.390	1419
48	93.27	0.660	1430
49	98.48	0.330	1446
50	104.28	0.330	1501
51	111.02	0.170	1517
52	118.68	0.205	1529
53	126.91	0.195	1550
54	134.98	0.135	1606
55	138.95	0.175	1618
56	149.00	0.060	1703
57	159.12	0.050	1734
58	169.87	0.039	1755
59	176.90	0.037	1835

Points 1-4 and 6 measured by Scott Fowler using Potomac Instruments FIM-21 S/N 1128.

Points 5, 11, and 14-59 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

Points 7-10, 12, and 13 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.





TABLE M-3

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 48.5° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
		(4/25/02)	
1	0.58	1550	1013
		(4/30/02)	
2	0.80	1500	1328
3	1.00	970	1345
4	1.10	780	1330
5	1.30	870	1305
6	1.53	510	1250
7	1.75	450	1238
		(4/25/02)	
8	2.00	415	1135
		(4/30/02)	
9	2.20	395	1220
		(4/25/02)	
10	2.38	385	1132
		(4/30/02)	
11	2.60	285	1158
12	2.80	262	1206
		(4/25/02)	
13	2.93	220	1139
14	3.22	165	1142
		(4/26/02)	

TABLE M-3 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
15	3.62	165	1024
	(4/25/02)		
16	4.80	145	1148
17	5.22	120	1151
18	5.58	135	1155
19	6.45	100	1201
20	6.75	90.0	1204
21	7.65	48.0	1250
22	8.55	57.0	1255
23	9.55	45.0	1325
24	10.25	37.0	1329
25	11.60	25.0	1340
26	12.46	30.0	1336
27	14.35	17.5	1347
28	14.85	12.5	1349
29	16.08	13.0	1354
30	17.21	14.0	1357
31	20.25	8.20	1403
	(4/20/02)		
32	21.70	6.50	1603
33	22.81	5.80	1530
34	24.10	5.60	1522
35	27.95	3.50	1505
36	30.20	3.80	1500
37	32.15	3.40	1452

TABLE M-3 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
38	33.75	3.30	1444
39	36.00	2.35	1431
40	37.85	2.35	1417
41	41.25	1.80	1353
42	44.30	1.20	1333
43	47.75	0.850	1319
44	50.60	0.850	1309
45	53.60	1.10	1256
(4/19/02)			
46	59.20	1.00	1742
47	64.25	0.800	1658
48	70.95	0.700	1614
49	78.00	0.520	1557
50	83.90	0.400	1455
51	91.60	0.350	1350
52	100.48	0.300	1235
53	105.02	0.320	1205

Points 1, 2, 8, 10, and 13-31 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

Points 3-7, 9, 11, and 12 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

Points 32-53 measured by Mike Fast using Potomac Instruments FIM-41 S/N 1058.



TABLE M-4

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 63° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
		(4/30/02)	
1	0.60	1750	1348
		(4/27/02)	
2	0.78	1000	1744
		(4/30/02)	
3	1.00	840	1208
4	1.20	615	1236
5	1.35	635	1247
6	1.55	540	1301
7	1.70	415	1343
8	1.98	320	1608
		(4/27/02)	
9	2.23	280	1736
10	2.45	270	1732
11	2.65	215	1730
12	2.80	195	1727
13	2.90	195	1724
14	3.05	195	1717
15	3.40	185	1715
16	3.85	170	1712
17	4.84	115	1705
18	4.30	140	1708
19	5.40	115	1702

TABLE M-4 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
20	6.14	115	1658
21	7.10	83.0	1654
22	7.65	83.0	1652
23	8.70	62.0	1644
(4/25/02)			
24	9.70	43.0	1512
25	11.45	32.0	1451
26	12.45	23.0	1447
27	13.37	17.5	1443
28	14.60	13.0	1436
29	15.38	12.0	1432
30	16.81	10.0	1428
31	17.40	10.0	1425
32	18.05	8.30	1417
33	18.81	6.50	1413
(4/18/02)			
34	21.85	6.80	1144
35	24.22	7.00	1205
36	24.98	5.20	1215
37	25.30	5.50	1220
38	27.92	3.50	1244
39	29.93	3.00	1307
40	33.70	2.20	1319
41	36.50	1.90	1328
42	39.70	1.50	1358
43	44.25	0.940	1424

TABLE M-4 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
44	48.45	1.20	1503
45	53.68	1.10	1524
46	57.38	0.820	1542
47	62.85	0.700	1614
48	68.30	0.500	1710

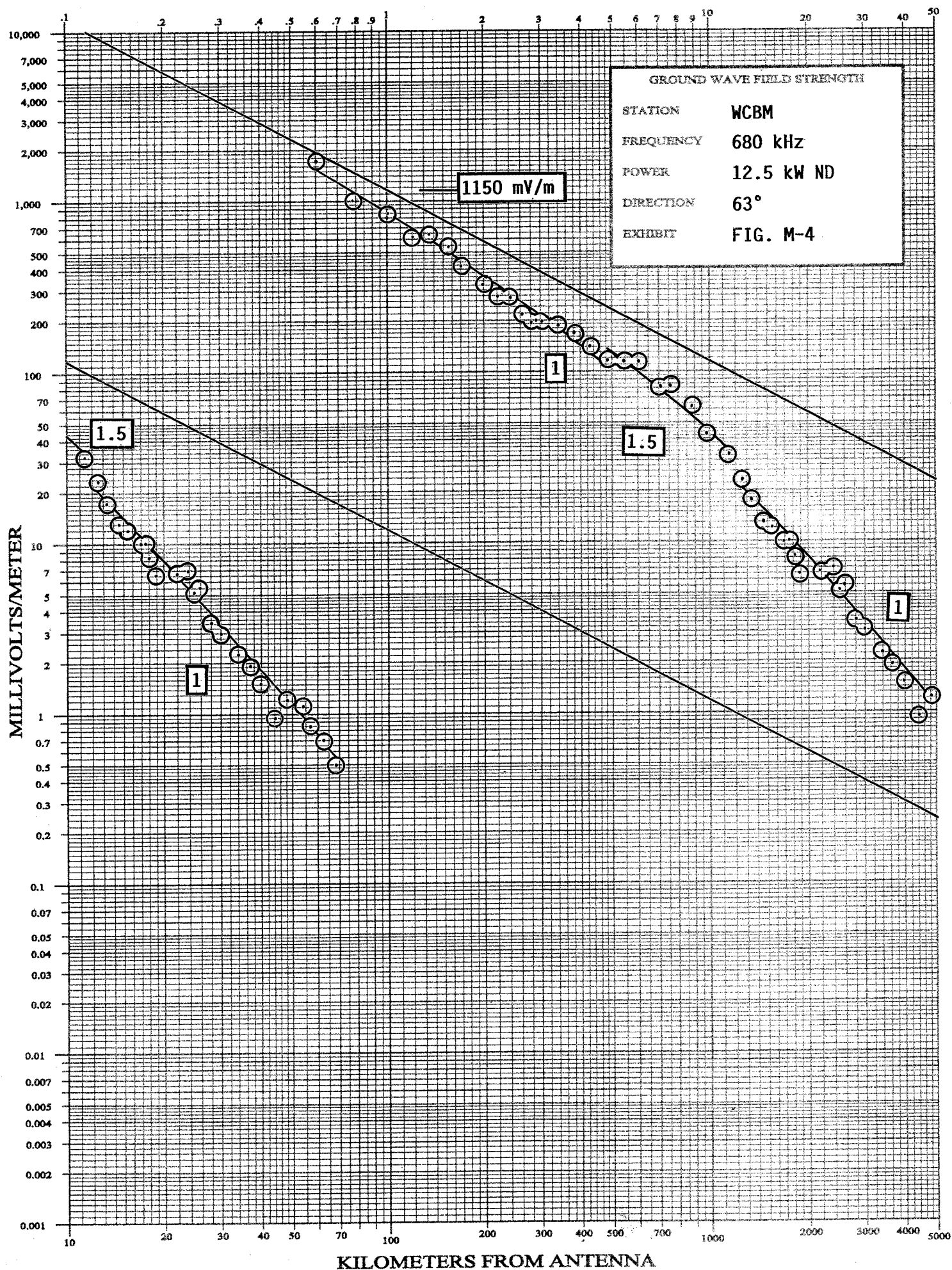
Points 1, 2, and 9-33 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

Points 3-8 measured by Scott Fowler using Potomac Instruments FIM-21 S/N 1129.

Points 34-48 measured by Mike Fast using Potomac Instruments FIM-41 S/N 1058.



## KILOMETERS FROM ANTENNA



**CARL E. SMITH CONSULTING ENGINEERS**

TABLE M-5

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 76° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
		(4/30/02)	
1	0.60	1650	1553
2	0.80	1250	1548
		(4/26/02)	
3	0.93	960	1608
4	1.20	600	1602
		(4/30/02)	
5	1.45	580	1631
		(4/26/02)	
6	1.70	590	1557
		(4/30/02)	
7	1.90	435	1635
8	2.10	315	1608
9	2.30	255	1600
		(4/26/02)	
10	2.45	335	1552
11	2.58	305	1550
12	2.72	290	1549
13	2.88	230	1547
14	3.15	220	1542
15	3.55	190	1540
16	4.00	175	1537

TABLE M-5 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
17	4.72	145	1532
18	5.00	135	1530
19	5.95	84.0	1522
20	6.28	94.0	1514
21	7.08	68.0	1510
22	8.05	49.0	1507
23	8.85	50.0	1505
24	9.68	50.0	1456
25	10.50	45.0	1451
26	11.57	35.0	1446
27	12.62	17.5	1318
28	13.65	13.5	1314
29	15.28	16.5	1306
30	16.88	9.40	1301
31	18.08	9.50	1254
32	19.15	10.0	1251
33	20.30	10.5	1243
(4/17/02)			
34	21.45	7.00	1032
35	23.58	6.50	1044
36	25.95	4.10	1058
37	28.55	2.40	1141
38	30.90	2.20	1152
39	33.90	1.35	1224
40	38.69	1.45	1307

TABLE M-5 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
41	42.20	1.05	1338
42	45.15	1.00	1355
43	48.28	1.00	1410
44	51.75	0.700	1445
45	55.00	0.800	1525
46	60.97	0.300	1547
47	63.00	0.500	1558
48	64.92	0.650	1616
49	80.50	0.750	1720
(4/25/02)			
50	86.35	0.440	1440
51	92.30	0.361	1405
(4/17/02)			
52	98.85	0.200	1730
53	106.00	0.180	1745

Points 1-6 and 10-33 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

Points 7-9 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

Points 34-53 measured by Mike Fast using Potomac Instruments FIM-41 S/N 1058.



TABLE M-6

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 176° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(5/1/02)			
1	0.60	1500	0945
2	0.73	1200	0930
3	1.00	680	1015
(4/26/02)			
4	1.20	680	1427
(5/1/02)			
5	1.40	550	1040
6	1.68	425	1120
7	1.75	395	1100
(4/26/02)			
8	1.95	300	1424
9	2.12	285	1420
(5/1/02)			
10	2.30	285	1235
11	2.55	215	1155
12	2.75	245	1210
(4/26/02)			
13	2.95	195	1411
14	3.08	205	1409
15	3.47	135	1404
16	3.60	120	1402

TABLE M-6 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
17	3.87	160	1400
18	4.55	105	1352
	(4/29/02)		
19	7.37	52.0	0855
	(4/26/02)		
20	7.85	36.0	1332
21	8.57	32.2	1324
22	9.40	26.5	1315
23	10.00	25.8	1307
24	11.02	22.9	1256
25	12.30	21.8	1242
26	13.15	18.3	1229
27	14.55	14.2	1211
28	15.60	15.5	1158
29	16.55	14.8	1147
30	18.02	11.6	1136
31	18.65	11.4	1127
32	19.98	9.70	1112
33	22.10	8.80	1049
34	23.18	8.70	1038
35	24.40	6.10	1024
36	26.92	4.70	1015
	(4/19/02)		
37	29.08	4.10	1020
38	35.55	2.20	1044

TABLE M-6 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
39	39.60	1.25	1057
40	43.21	1.30	1114
41	46.45	1.30	1146
42	48.60	1.35	1155
43	53.43	0.920	1215
44	57.95	0.880	1232
45	64.18	0.540	1247
46	69.35	0.380	1258
47	74.80	0.290	1314
48	83.80	0.230	1332
49	88.99	0.170	1345
50	93.10	0.160	1356
51	98.13	0.170	1408
52	102.58	0.150	1417
53	108.35	0.140	1428

Points 1-18 and 20-53 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

Point 19 measured by James Richardson using Potomac Instruments FIM-41 S/N 1332.





TABLE M-7

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 190° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(5/1/02)			
1	0.60	1520	1408
2	0.80	1260	1401
(4/19/02)			
3	0.95	820	1007
(5/1/02)			
4	1.00	800	1541
5	1.20	720	1552
6	1.40	485	1606
7	1.60	480	1605
8	1.80	395	1555
9	2.00	340	1546
10	2.20	250	1009
11	2.40	225	1024
12	2.60	225	1033
13	2.80	225	1041
14	3.00	190	1046
(4/19/02)			
15	4.35	115	1031
16	4.65	76.0	1036
17	5.48	66.0	1041
18	5.68	66.0	1046

TABLE M-7 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
19	7.20	54.0	1052
20	7.93	48.0	1114
21	9.60	30.0	1148
22	10.12	27.0	1136
23	10.32	25.0	1154
24	13.95	16.5	1217
25	15.15	13.5	1221
26	16.05	15.5	1225
27	17.15	15.0	1229
28	18.30	12.0	1236
29	19.70	9.00	1241
30	21.17	5.70	1255
31	23.22	4.50	1355
32	25.46	4.90	1405
33	28.39	3.35	1413
34	30.15	2.30	1422
35	33.53	2.00	1428
36	36.40	2.05	1434
37	39.93	1.95	1441
38	43.12	1.45	1453
39	46.05	1.75	1542
40	48.90	1.50	1555
41	53.55	1.25	1632
42	58.82	1.15	1705
43	62.41	1.10	1722

TABLE M-7 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
44	67.20	0.640	1754
(4/20/02)			
45	73.00	0.370	1148
46	77.32	0.335	1207
47	83.35	0.325	1305
48	89.05	0.165	1317
49	96.80	0.125	1332
50	105.15	0.135	1347

Points 1, 2, and 4-6 measured by Scott Fowler using Potomac Instruments FIM-21 S/N 1128.

Points 3 and 7-50 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

## KILOMETERS FROM ANTENNA

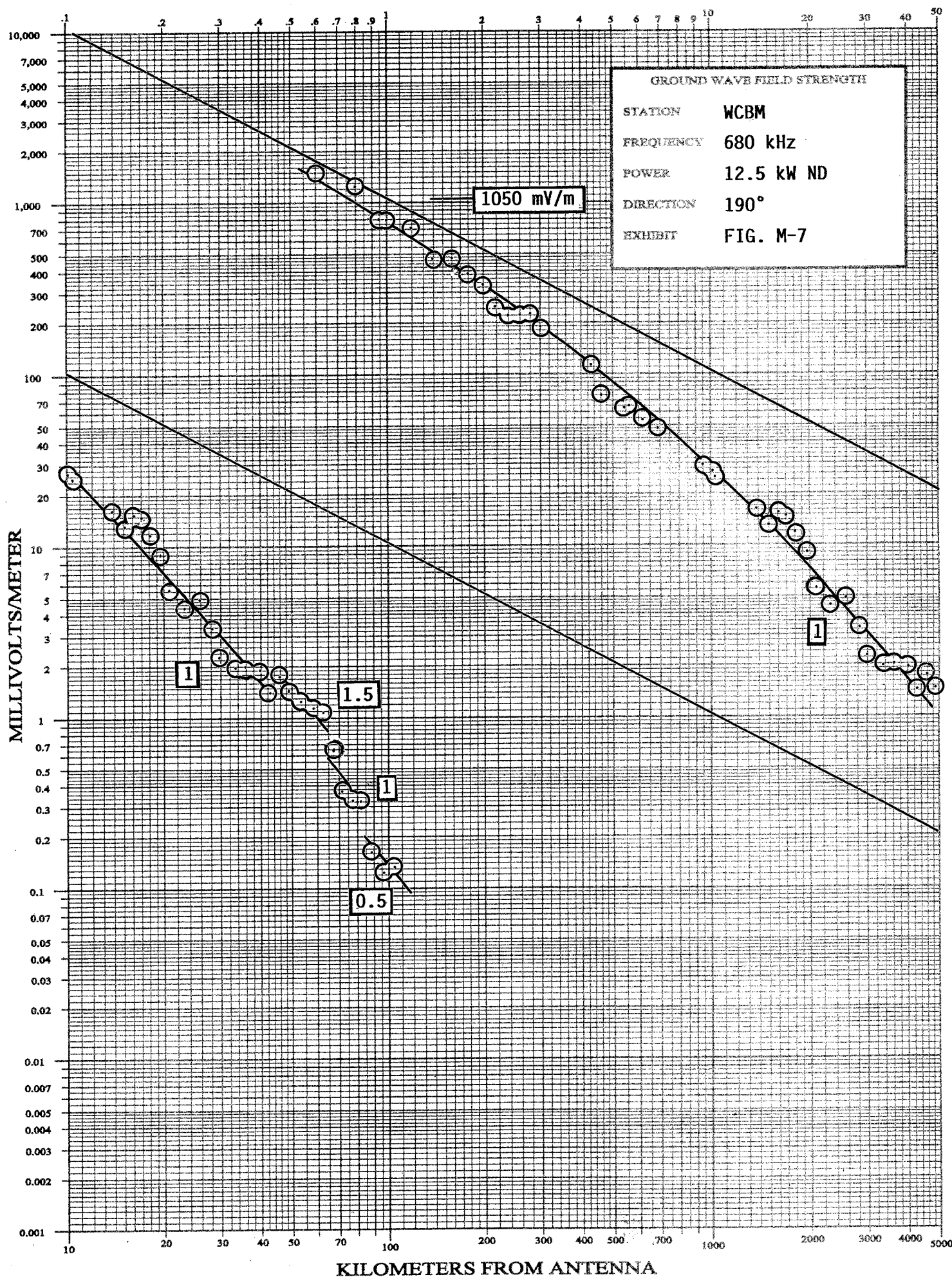


TABLE M-8

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 205.5° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
		(5/1/02)	
1	0.60	1410	1415
2	0.80	1100	1421
		(4/26/02)	
3	1.05	760	1200
4	1.19	700	1154
		(5/1/02)	
5	1.40	600	1219
		(4/26/02)	
6	1.65	470	1143
		(5/1/02)	
7	1.80	510	1208
		(4/26/02)	
8	2.02	390	1138
		(5/1/02)	
9	2.20	328	1017
10	2.40	317	1027
11	2.60	217	1044
12	2.80	225	1059
13	3.00	202	1107
		(4/26/02)	
14	6.93	48.0	1124

TABLE M-8 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(4/29/02)			
15	7.98	28.0	0855
(4/26/02)			
16	8.30	40.0	1121
17	9.45	35.0	1117
18	10.42	23.0	1108
19	10.93	19.5	1102
20	13.50	11.0	1055
21	14.52	12.9	1051
22	15.30	11.0	1046
23	16.82	10.5	1042
24	19.70	9.50	1033
25	21.02	8.00	1027
26	22.88	6.80	1022
27	24.18	4.70	1018
28	25.28	3.90	1004
29	26.72	3.20	0956
30	28.40	3.00	0949
(4/17/02)			
31	31.05	1.80	1003
32	34.12	1.60	1027
33	36.40	1.38	1039
34	38.90	1.12	1052
35	42.30	0.800	1107
36	44.90	1.00	1117

TABLE M-8 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
37	48.20	0.750	1133
38	52.59	0.600	1223
39	56.00	0.450	1241
40	59.15	0.350	1256

Points 1, 2, 5, 7, and 9-13 measured by Scott Fowler using Potomac Instruments FIM-21 S/N 1128.

Points 3, 4, 6, 8, and 14-40 measured by James Richardson using Potomac Instruments FIM-41 S/N 1332.





TABLE M-9

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 225° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(5/1/02)			
1	0.60	1400	1434
2	0.80	1200	1446
3	1.00	820	1523
(4/18/02)			
4	1.17	580	0845
5	1.35	560	0900
6	1.58	500	0915
(5/1/02)			
7	1.75	400	1450
8	1.95	330	1451
9	2.15	205	1540
10	2.32	200	1550
11	2.50	215	1729
12	2.75	158	1732
(4/18/02)			
13	2.90	150	0932
14	4.46	70.0	0943
15	5.80	26.0	0952
(4/26/02)			
16	6.03	52.0	1205
17	7.56	38.0	1212

TABLE M-9 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(4/18/02)			
18	7.88	34.0	1008
(4/26/02)			
19	8.50	30.0	1225
20	9.35	25.0	1021
21	10.40	23.0	1030
22	11.50	19.0	1049
23	12.31	16.0	1058
24	13.95	13.0	1104
25	14.70	14.5	1109
26	15.88	12.0	1118
27	17.60	6.00	1125
28	18.61	9.00	1133
29	19.76	8.00	1142
30	20.50	5.50	1148
31	21.42	8.20	1151
32	24.18	4.50	1214
33	26.08	2.60	1232
34	29.58	2.40	1242
35	33.17	2.00	1254
(4/19/02)			
36	37.00	1.95	1006
37	40.02	1.90	1019
38	42.88	1.85	1029
39	45.42	1.60	1037

TABLE M-9 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
40	48.15	1.45	1045
41	50.55	1.10	1055
42	53.73	0.700	1139
43	57.00	0.600	1152
44	60.97	0.550	1208

Points 1-3 and 12 measured by Scott Fowler using Potomac Instruments FIM-21 S/N 1128.

Points 4-6 and 13-44 measured by James Richardson using Potomac Instruments FIM-41 S/N 1332.

Points 7, 9, and 10 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

Points 8 and 11 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

## KILOMETERS FROM ANTENNA

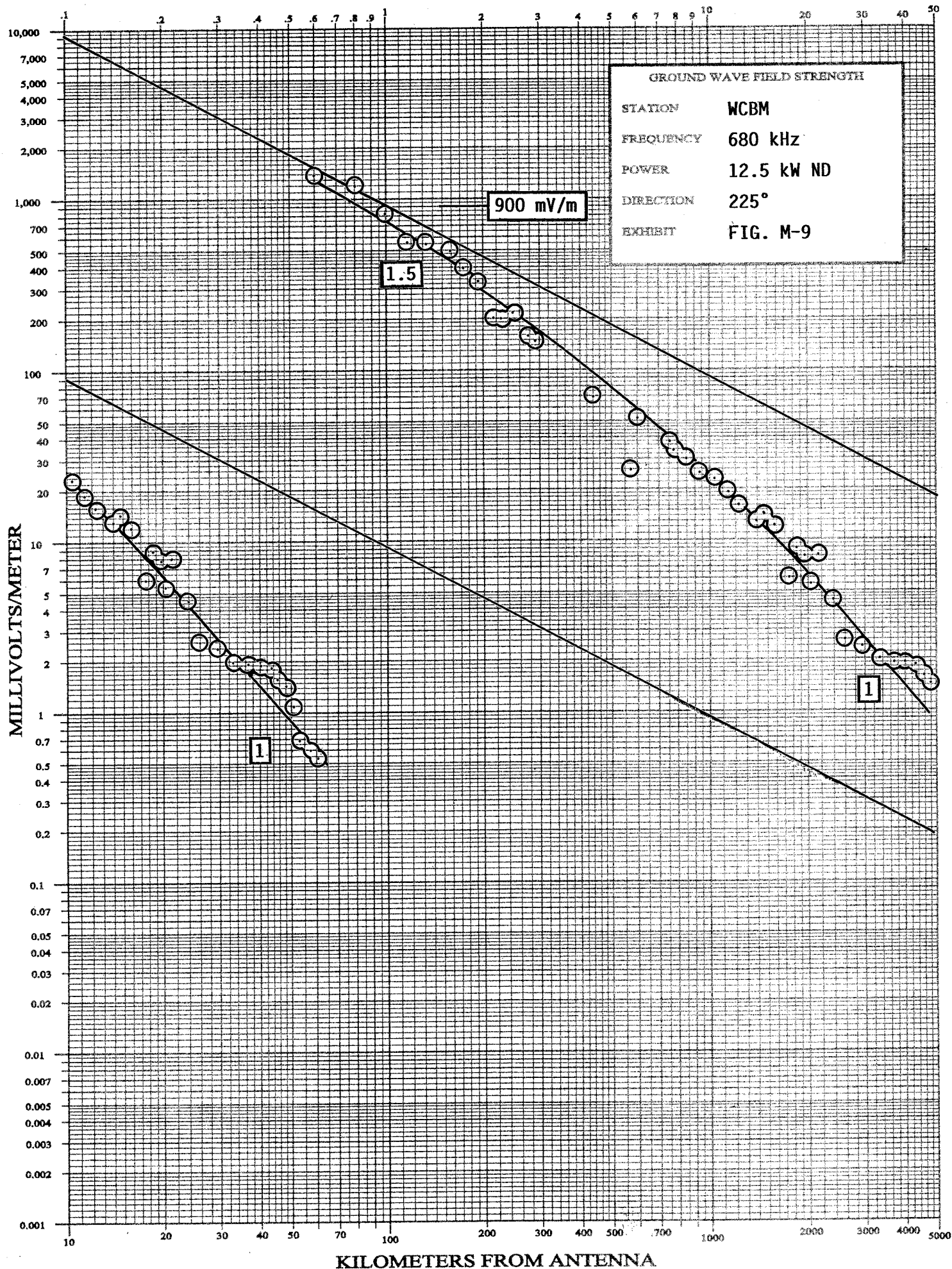


TABLE M-10

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 257.5° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
		(3/21/02)	
1	0.60	1490	0930
		(3/19/02)	
2	1.65	355	0913
3	3.70	120	1605
4	4.50	86.0	1615
		(3/21/02)	
5	5.02	42.0	0946
6	5.38	66.0	0943
		(3/19/02)	
7	5.90	48.0	1637
		(3/20/02)	
8	8.75	23.1	1042
9	9.68	19.0	1100
10	10.78	15.8	1106
11	11.40	12.5	1109
12	13.77	11.2	1123
13	16.00	82.0	1130
14	16.82	7.60	1138
15	19.00	5.30	1145
16	22.35	4.60	1153
17	24.15	3.80	1202

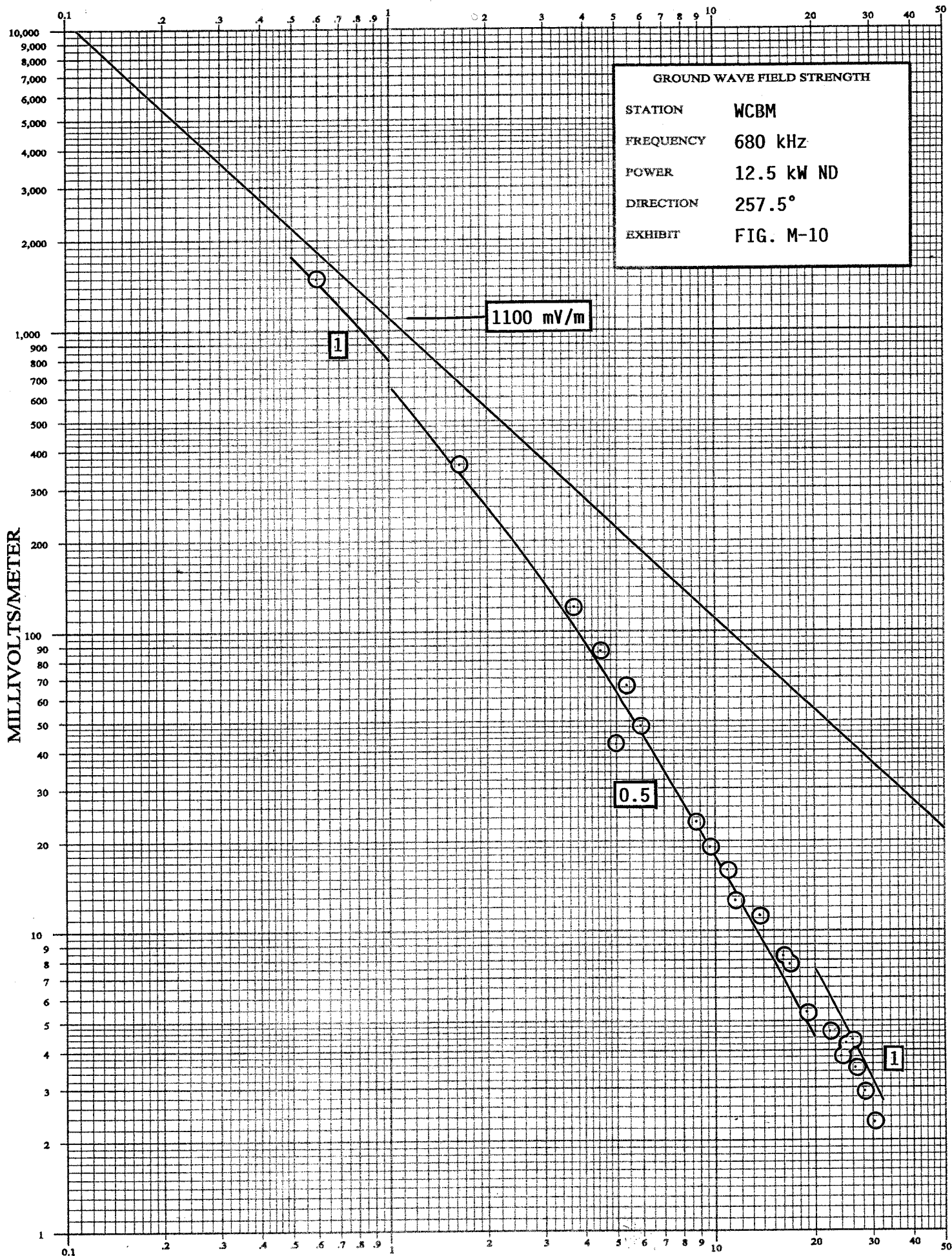
TABLE M-10 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
18	25.28	4.20	1210
19	25.90	4.30	1218
20	26.43	3.50	1222
21	28.35	2.90	1237
22	30.10	2.30	1246

All points measured by Steve Nelson using Potomac Instruments FIM-21 S/N 1129.



## KILOMETERS FROM ANTENNA



KILOMETERS FROM ANTENNA

CARL E. SMITH CONSULTING ENGINEERS



TABLE M-11

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 271° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(3/19/02)			
1	1.63	320	0915
(3/21/02)			
2	3.92	51.0	0914
3	4.53	77.0	0927
4	4.86	71.0	0924
5	6.28	37.5	0936
6	7.26	35.5	0942
(3/20/02)			
7	8.70	32.5	1007
8	9.25	28.5	1000
9	9.68	26.0	1015
10	10.11	26.0	1019
11	10.40	25.0	1028
12	10.80	23.0	1023
13	11.12	17.0	1032
14	12.20	17.0	1037
15	12.68	18.5	1047
16	13.87	14.5	1054
17	15.37	8.80	1059
18	17.30	11.8	1106
19	19.10	6.10	1117

TABLE M-11 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
20	20.12	5.20	1128
21	20.80	6.40	1130
22	21.80	5.60	1133

Points 1 and 7-22 measured by Steve Nelson using Potomac Instruments FIM-21 S/N 1129.

Points 2-6 measured by Bob Shotwell using Potomac Instruments FIM-41 S/N 1861.

## KILOMETERS FROM ANTENNA

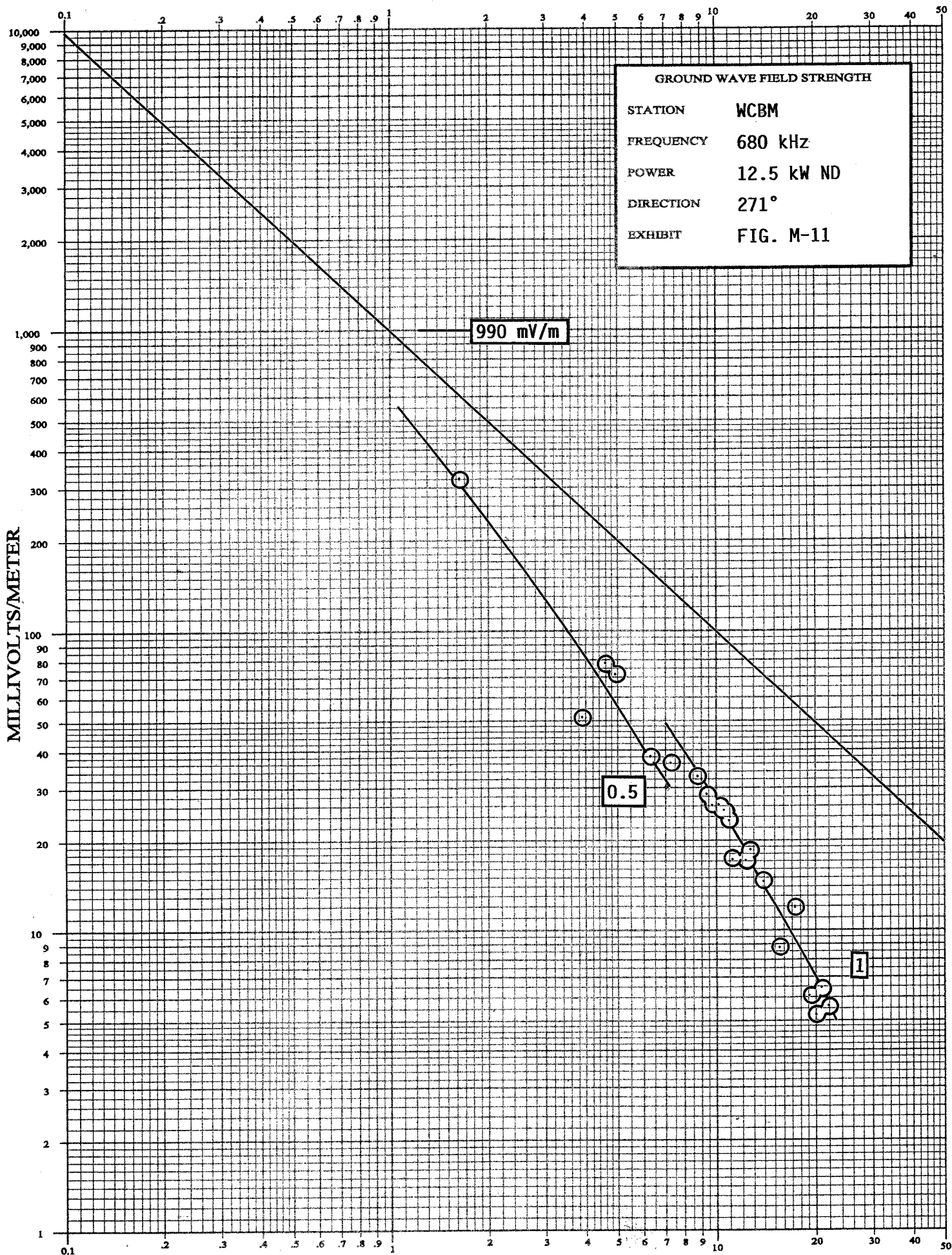


TABLE M-12

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 292° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

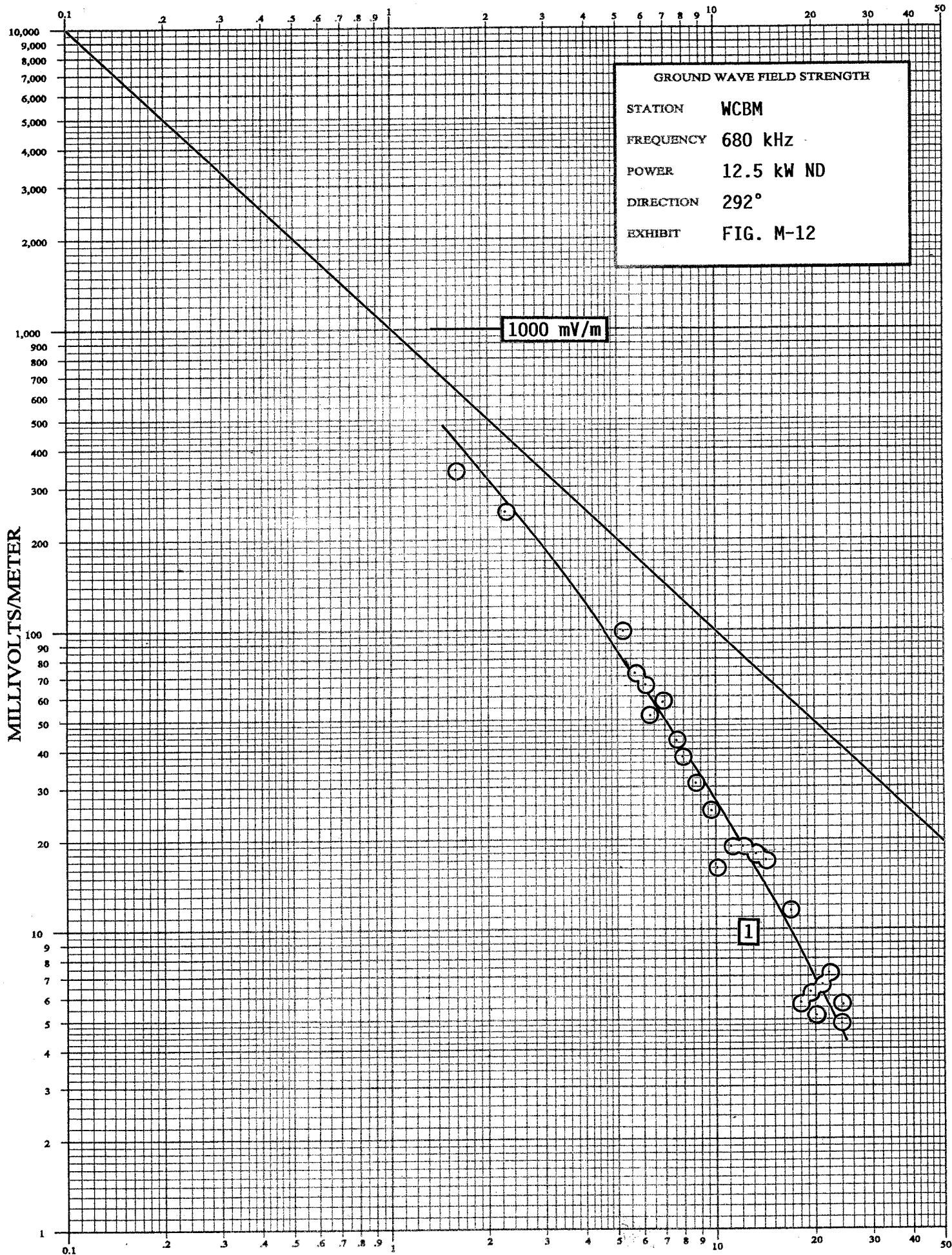
<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(3/19/02)			
1	1.60	345	0917
2	2.28	250	0938
(3/18/02)			
3	5.18	99.0	1545
4	5.67	72.0	1550
5	6.10	66.0	1540
(3/19/02)			
6	6.35	52.0	1010
7	6.90	58.0	1015
8	7.65	43.0	1019
9	7.97	38.0	1024
10	8.70	31.0	1031
11	9.63	24.8	1546
12	10.08	16.0	1544
13	11.03	19.0	1540
14	12.15	18.8	1536
15	13.30	17.8	1530
16	14.22	17.0	1522
17	17.00	11.5	1515
18	18.35	5.80	1510
19	19.48	6.20	1506

TABLE M-12 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
20	20.72	5.20	1502
21	21.23	6.60	1500
22	22.00	7.20	1455
23	23.88	4.80	1448
24	24.40	5.60	1440

All points measured by Steve Nelson using Potomac Instruments FIM-21 S/N 1129.

# KILOMETERS FROM ANTENNA



KILOMETERS FROM ANTENNA

TABLE M-13

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 311.5° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(3/19/02)			
1	1.52	450	0921
2	2.30	225	0935
(3/18/02)			
3	4.00	143	1603
4	4.52	45.0	1613
5	5.08	82.0	1615
6	6.25	62.0	1622
7	6.92	38.0	1626
8	7.80	42.0	1632
9	8.63	32.5	1643
10	9.52	23.0	1650
11	10.25	24.0	1702
(3/19/02)			
12	11.28	16.0	1127
13	11.75	24.0	1130
14	13.00	9.90	1134
15	13.98	14.5	1138
16	16.83	6.10	1145
17	17.22	6.60	1155
18	19.05	5.40	1202
19	19.70	5.00	1206

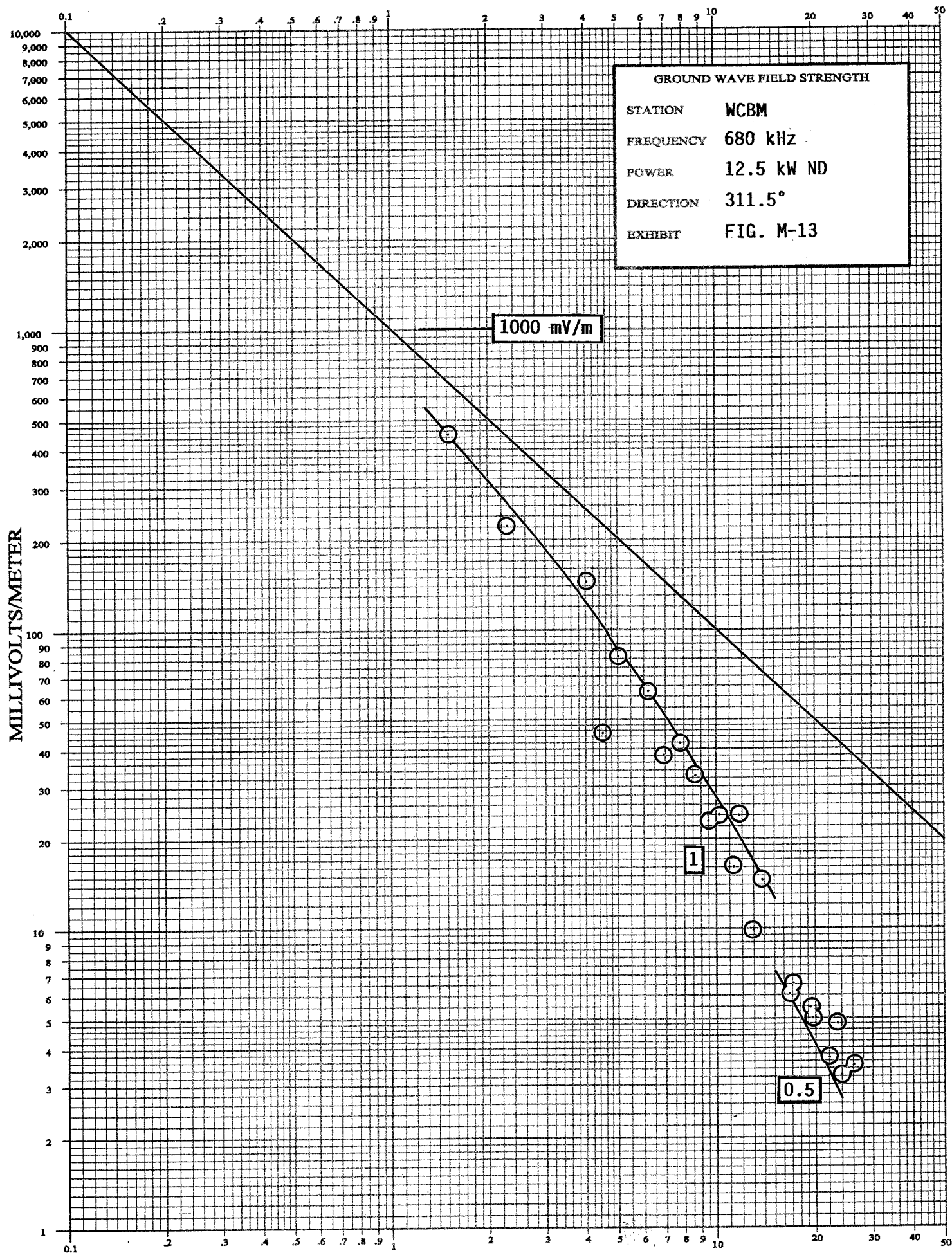
TABLE M-13 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
20	22.07	3.70	1222
21	23.30	4.80	1344
22	24.00	3.25	1350
23	26.15	3.50	1403

All points measured by Steve Nelson using Potomac Instruments FIM-21 S/N 1129.



## KILOMETERS FROM ANTENNA



KILOMETERS FROM ANTENNA

CARL E. SMITH CONSULTING ENGINEERS

TABLE M-14

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 318° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
	(3/18/02)		
1	1.50	500	1029
2	2.07	320	1035
	(3/19/02)		
3	3.35	305	1000
	(3/18/02)		
4	5.45	68.0	1056
	(3/20/02)		
5	5.80	74.0	1543
	(3/18/02)		
6	6.95	40.0	1102
	(3/20/02)		
7	7.35	42.0	1553
	(3/18/02)		
8	7.75	41.0	1112
9	10.06	21.8	1117
10	12.55	9.20	1128
11	12.98	17.3	1135
12	13.95	10.1	1140
13	14.55	9.90	1145
14	16.08	6.00	1457
15	16.72	8.20	1155

TABLE M-14 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
16	17.80	7.40	1451
17	18.20	6.40	1200
18	18.90	7.80	1445
19	19.75	8.00	1207
20	22.35	6.20	1218
21	22.62	4.05	1415
22	23.10	5.20	1422
23	23.65	4.80	1425
24	24.27	4.50	1428

All points measured by Steve Nelson using Potomac Instruments FIM-21 S/N 1129.

## KILOMETERS FROM ANTENNA

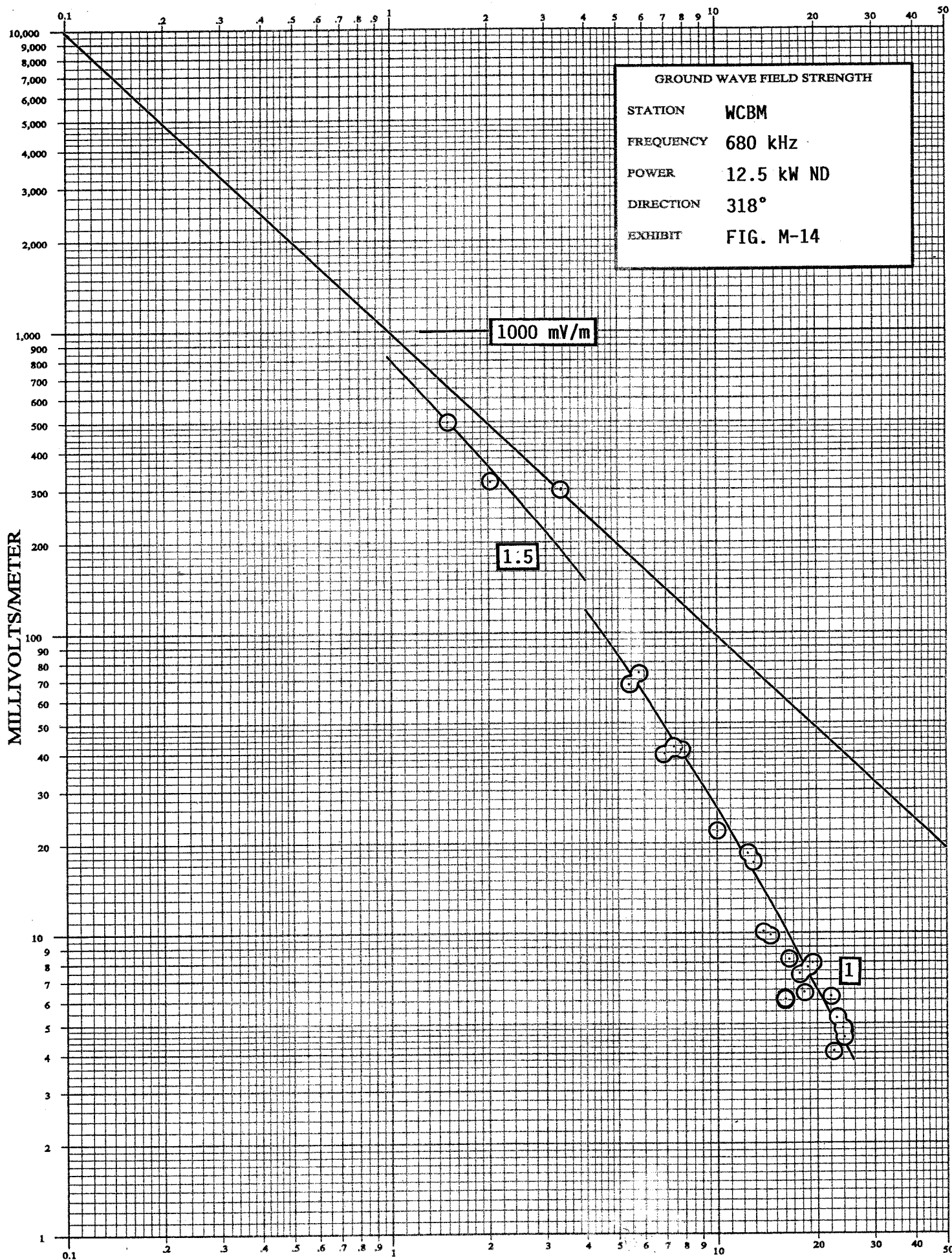


TABLE M-15

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 332° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
	(4/29/02)		
1	0.60	1200	1102
2	0.80	1000	1053
3	1.00	820	1042
4	1.20	720	1031
	(4/25/02)		
5	1.40	630	0941
	(4/29/02)		
6	1.60	420	1052
	(4/30/02)		
7	1.80	320	1100
	(4/29/02)		
8	2.05	335	1457
9	2.21	305	1110
10	2.45	265	1540
11	2.65	310	1430
	(4/30/02)		
12	2.83	238	1052
	(4/29/02)		
13	3.00	220	1408
	(4/25/02)		
14	5.44	72.0	1021

TABLE M-15 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
15	5.67	78.0	1026
16	8.65	27.0	1107
17	10.35	22.5	1113
18	11.35	21.0	1124
19	12.02	18.2	1132
20	13.52	18.6	1140
21	14.12	16.3	1147
22	15.60	12.3	1157
23	16.75	7.5	1214
24	17.63	9.70	1219
25	20.38	7.20	1229
26	21.95	5.40	1241
27	22.95	6.80	1248
28	24.02	3.00	1257
29	25.13	5.70	1312
(4/18/02)			
30	28.35	4.1	0958
31	30.07	3.90	1008
32	32.35	1.40	1017
33	34.55	1.80	1024
34	35.53	2.25	1029
35	38.18	1.95	1039
36	40.84	1.60	1049
37	42.22	1.65	1054
38	45.53	1.50	1106

TABLE M-15 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
39	48.10	1.45	1113
40	52.05	1.47	1125
41	55.95	1.35	1137
42	60.97	1.25	1149
43	65.33	0.940	1205
44	69.12	0.800	1213
45	75.15	0.740	1225
46	78.75	0.360	1240
47	82.20	0.250	1256
48	88.20	0.150	1311
49	91.93	0.160	1322
50	97.18	0.240	1337
51	99.27	0.300	1350
52	104.47	0.230	1405
53	108.32	0.270	1415

Points 1-4 measured by James Richardson using Potomac Instruments FIM-41 S/N 1332.

Points 5-53 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

## KILOMETERS FROM ANTENNA

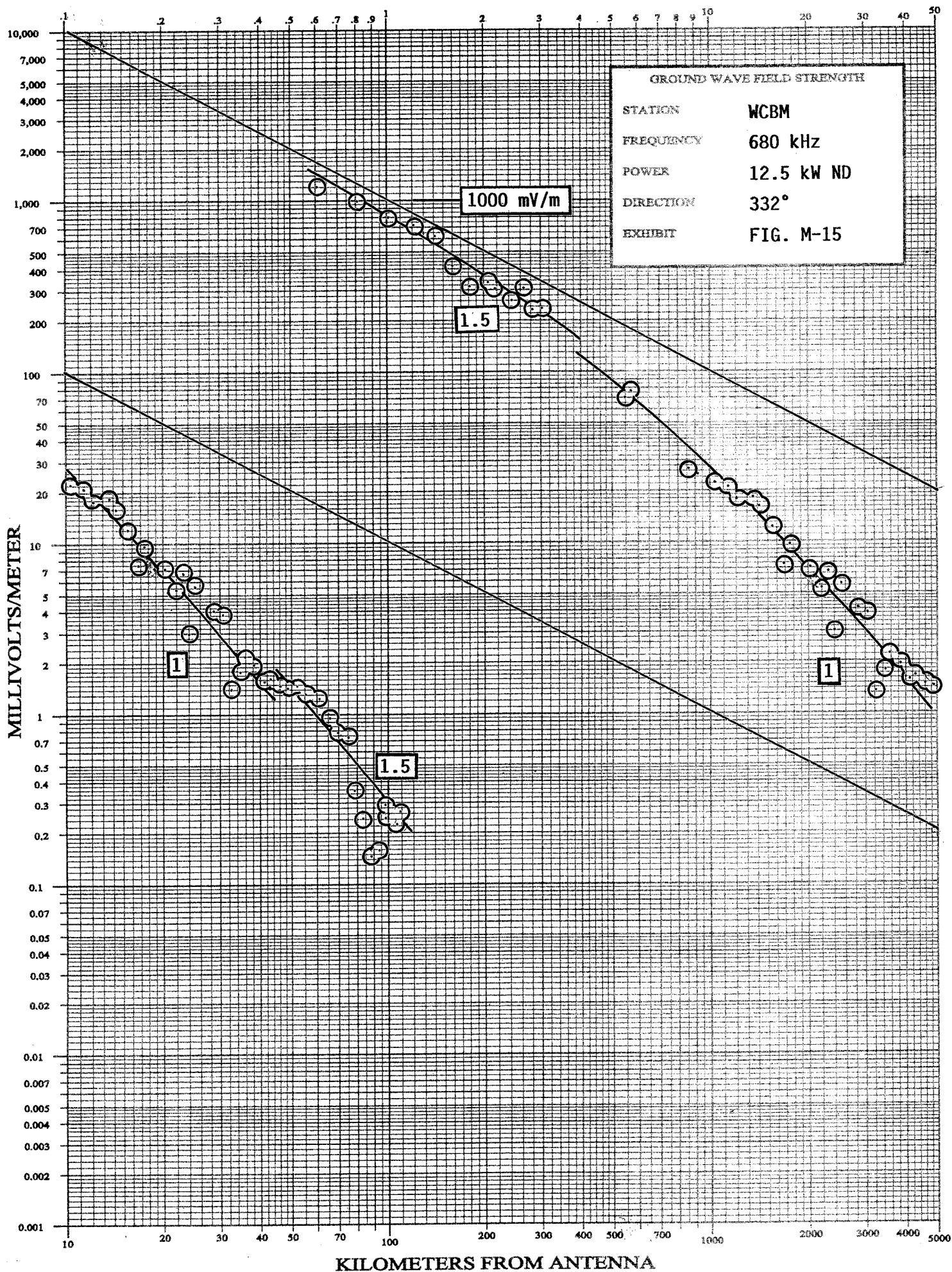




TABLE M-16

WCBM NONDIRECTIONAL FIELD  
STRENGTH MEASUREMENTS - 350° RADIAL

WCBM Maryland, Inc.  
Baltimore, MD

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
(4/29/02)			
1	0.63	1400	1114
2	0.80	1200	1129
3	1.00	1100	1147
4	1.20	660	1138
5	1.40	610	1130
6	1.60	415	1124
7	1.80	370	1105
8	2.00	330	1048
9	2.20	315	1036
(4/25/02)			
10	2.42	245	1659
11	2.65	195	1648
(4/29/02)			
12	2.80	160	1520
13	3.00	180	1512
(4/25/02)			
14	5.21	61.0	1632
15	6.45	46.0	1620
16	8.08	28.3	1611
17	10.40	16.5	1551
18	12.45	10.1	1536

TABLE M-16 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
19	13.20	10.8	1521
20	14.02	10.0	1514
21	16.77	8.00	1457
22	17.72	6.20	1445
23	18.62	6.10	1436
24	19.80	5.50	1427
25	20.92	3.20	1419
26	21.87	3.80	1413
27	22.38	3.30	1407
28	23.93	3.70	1402
29	26.35	3.50	1356
(4/18/02)			
30	28.14	2.50	0934
31	32.33	1.55	0941
32	36.40	1.25	1006
33	40.10	0.780	1018
34	43.22	0.850	1029
35	45.80	0.440	1059
36	48.20	0.900	1110
37	51.31	0.950	1122
38	54.67	0.580	1133
39	60.45	0.590	1148
40	64.93	0.600	1200
41	70.35	0.340	1210
42	75.26	0.450	1222

TABLE M-16 (cont'd)

<u>Point</u>	<u>Radial Kilometers</u>	<u>Field Strength (mV/m)</u>	<u>Time (EDT)</u>
43	80.17	0.310	1232
44	85.31	0.340	1334
45	89.80	0.330	1345
46	94.75	0.270	1357
47	98.75	0.290	1411
48	106.36	0.160	1445

Points 1 and 2 measured by James Richardson using Potomac Instruments FIM-41 S/N 1332.

Points 3-9 measured by Derek Gorman using Potomac Instruments FIM-21 S/N 537.

Points 10-48 measured by Marlin Heckendorn using Potomac Instruments FIM-21 S/N 1129.

