

APPENDIX H

WJYM FIELD STRENGTH MEASUREMENTS

Extracted from WJYM (formerly WRHW)
1961 Full Proof of Performance (BL-8105)

TABLE NO. 5.1

MERRY FIELD STRENGTH READINGS ON 30° RADIAL

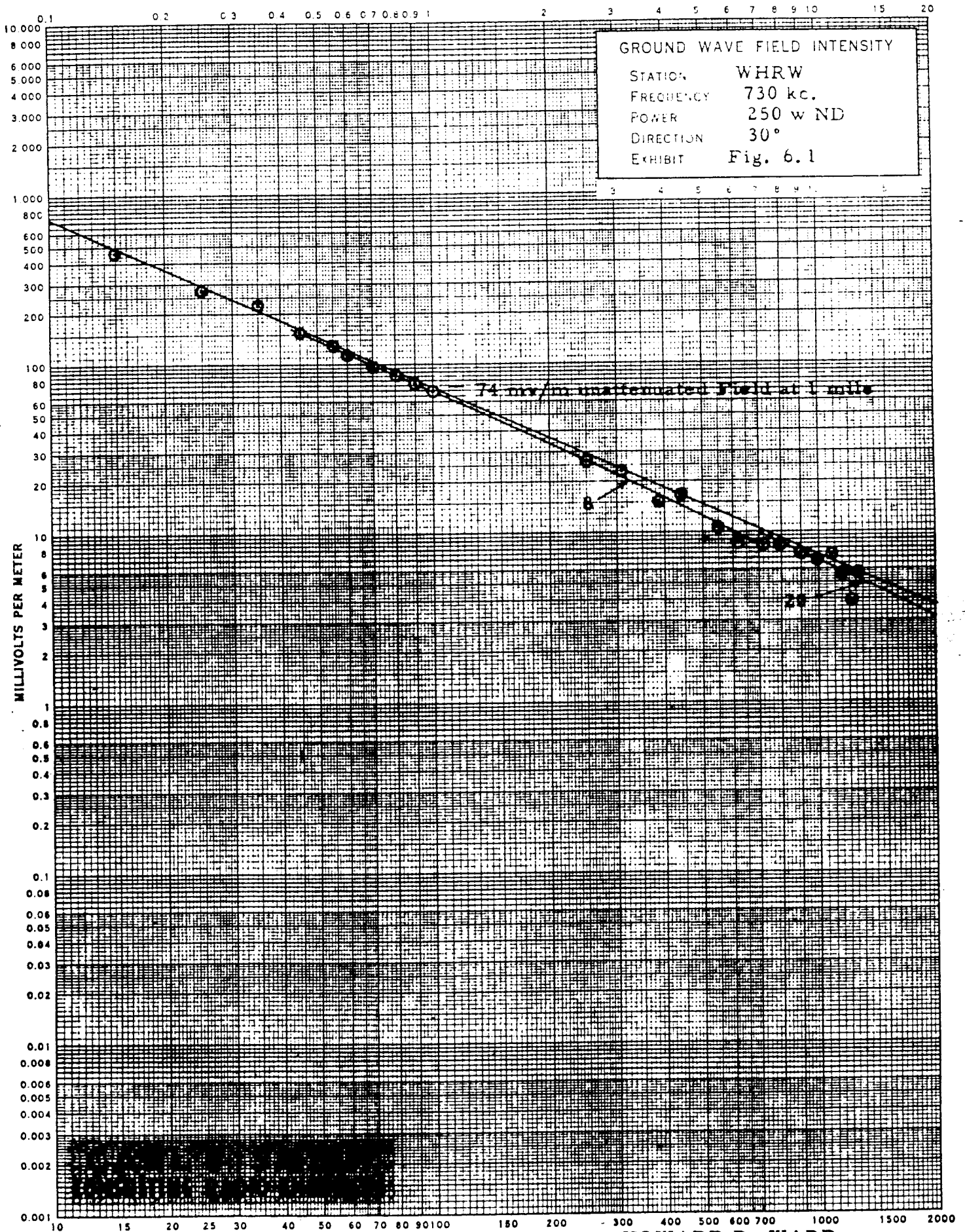
Site No.	250W ND	1000W DA	Dist. Mi.	Site Description
1	460		.15	
2	275		.25	
3	225		.35	
4	155		.45	
5	130		.55	
6	113		.6	
7	98		.7	
8	88		.8	
9	78		.9	
10	70		1.0	
11	26.9	7.0 1.0	2.5	Rt. 795 0.1 Mi. W. of Oregon (N side)
12	23.1	6.0 9.8	3.1	Ayers Rd. 0.2 Mi. E. of Oregon
13	15.2	4.25 6.4	3.85	Tracy Rd. opposite Heitz Red Barn
14	16.7	4.25 7.0	4.4	Walbridge 0.3 Mi. E. of Tracy (S. side)
15	13.1	3.6 4.8	5.5	Rt. 199 bend in road Opp. Grn.-Wht. House (N. side)
16	10.8	3.0 4.4	6.2	Wales Rd. 0.3 Mi. E. of Rt. 199 (E. of Grn.-Wht. House)
17	8.6	2.75 3.6	7.2	Drevillard & Rt. 5 (Tastee Freeze lot)
18	8.4	2.6 3.25	7.9	Ansonia & Munding (Rt. 2) NW Corner
19	7.55	2.25 3.15	9.0	Starr Rd. & Yarrow on Yarrow Opp. Brock House
20	7.25	2.25 2.4	9.9	Coy St. in front of Old Barn
21	7.35	2.0 2.8	10.75	York Rd. 0.4 Mi. W. of Allendorf (S side)
22	5.67	1.8 2.5	11.4	Cedar S. side in field opp. Schio Refinery
23	3.94	1.13 1.45	12.15	DuPont Rd. 0.2 Mi. E. of Road
24	5.77	1.7 2.25	12.75	Bay Harbor 0.25 Mi. E. of DuPont (west of Grn.-Wht. House)

ND readings No. 1 - 10 made on 11-23-59 between 2:30 p.m. and 3:30 p.m.

ND readings No. 11 - 24 made on 11-23-59 between 1:00 p.m. and 2:20 p.m.

DA readings No. 11-24 made on 4-11-61.

MILES FROM ANTENNA



HOWARD R. WARD
 BOWLING GREEN, OHIO

600724

MILES FROM ANTENNA

TABLE NO. 5.2

VERY FINE STRENGTH READINGS ON 55° RADIAL

Site No.	250W ND	1000W DA	Dist. Mi.	Site Description
1	540		.14	
2	330		.24	
3	215		.34	
4	180		.44	
5	150		.54	
6	115		.64	
7	100		.74	
8	92		.84	
9	81		.94	
10	74		1.04	
11	52.5	12.2 10.5	1.45	Latcha Rd. 0.1 Mi. W. of Oregon
12	41.0	9.5 9.1	1.7	Oregon 0.2 Mi. N. of Latcha
13	12.6	5.2 2.6	3.35	Jct. Rt. 795 & 199 in Church Yard
14	16.8	3.9 3.25	4.5	Brevillard at corner of city property
15	15.75	3.65 3.15	5.1	Ayers Rd. at Markers each side of Rd.
16	13.75	3.0 2.25	5.75	Rt. 120 Center strip 0.1 Mi. N. of Lemoyne
17	10.2	2.65 1.85	6.9	Walbridge Rd. Opp 3920 (White House)
18	9.25	2.0 1.95	8.3	Bradner Opp. rail fence
19	8.3	1.8 1.3	10.3	Cty. 70 0.25 W. Cty. 54
20	6.1	1.45 1.0	11.1	Curtice St. Drive between pink and white houses
21	4.94	1.5 1.2	12.1	N. Curtice 0.4 mi. S. Rt. 2
22	4.94	1.35 1.0	12.9	Rt. 2 Opp. Brick House
23	4.67	1.2 1.05	14.65	Seaman Rd. 0.15 Mi. N. of Decan.
24	4.36	1.1 0.9	15.75	Yondota 0.1 Mi. N. of Corduroy
25	3.46	1.05 0.78	17.55	SW Corner End of Lakeway

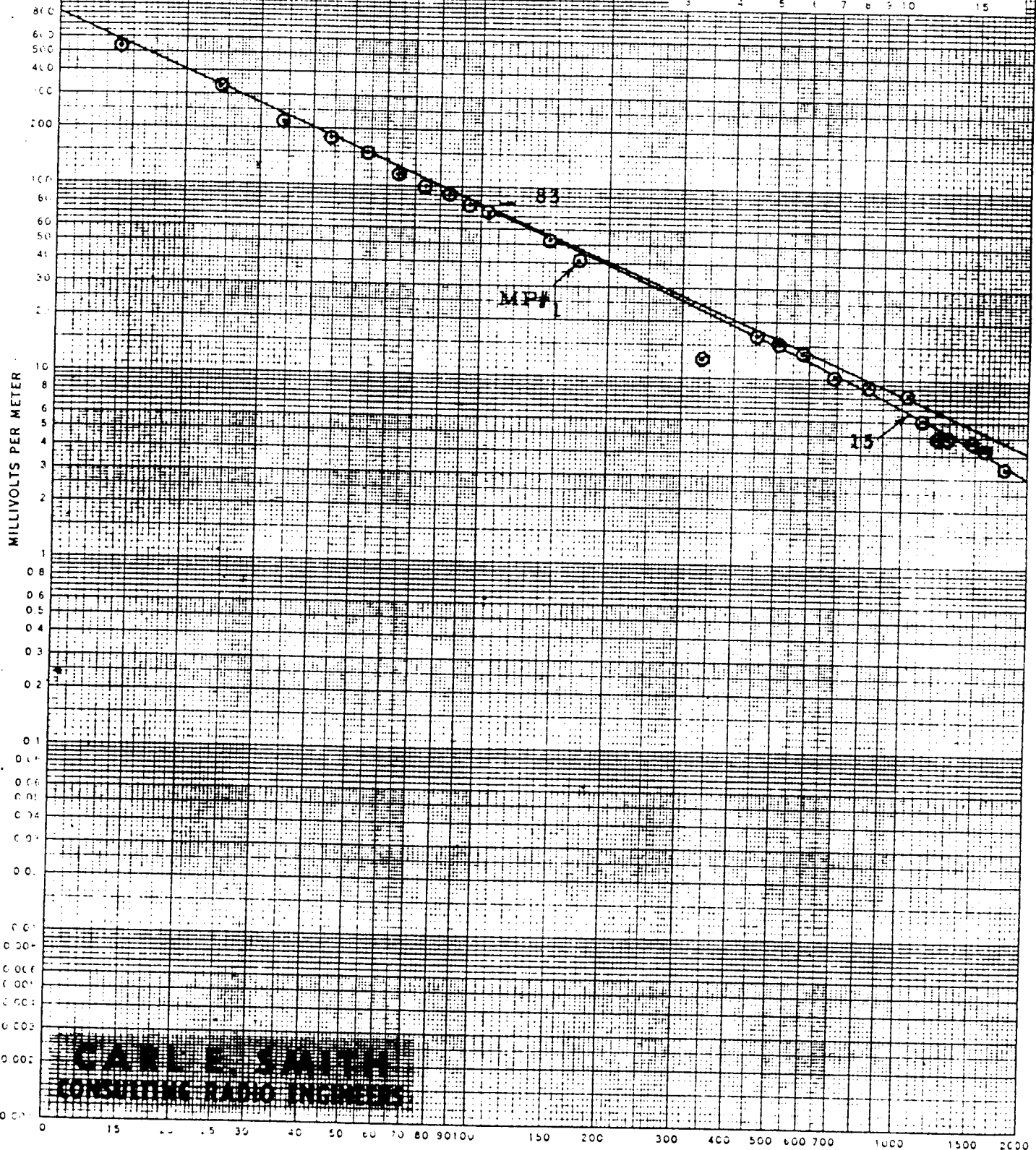
ND readings No. 1 - 10 made on 11-23-59 between 1:00 p.m. and 2:00 p.m.

ND readings No. 11 - 25 made on 11-23-59 between 2:45 p.m. and 4:15 p.m.

DA readings No. 11 - 25 made on 4-14-61.

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 55°
 EXHIBIT Fig. 6.2



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MILES FROM ANTENNA

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TABLE NO. 5.3

VHF FIELD STRENGTH READINGS ON 80° RADIAL

<u>Site No.</u>	<u>250W MD</u>	<u>1000W DA</u>	<u>Dist. MI.</u>	<u>Site Description</u>
1	760		.1	
2	455		.2	
3	290		.3	
4	205		.4	
5	150		.5	
6	120		.6	
7	105		.7	
8	90		.8	
9	81		.9	
10	70		1.0	
11	64	17.0 14	1.4	Oregon & Welling (W. side)
12	42.5	13.0 11.1	2.0	Tracy 0.1 Mi. E. of Welling
13	22.0	7.6 7.0	2.9	Rt. 199 S. of Turnpike Overpass
14	19.75	4.8 5.2	3.85	Lackey E. of Turnpike Underpass
15	17.65	4.6 4.3	4.45	Latcha & Cummings SW corner .1 Mi. S. of Latcha
16	12.08	3.8 3.5	4.95	Latcha & Lemcyme NE corner
17	13.65	4.0 3.3	5.6	Rt. 120 0.1 Mi. E. of Latcha (Ontr. strip)
18	9.45	2.4 2.2	8.0	Fosteria 0.4 Mi. S. of Rt. 795 (gray house)
19	6.82	2.0 1.6	9.95	Cty. 53 0.15 Mi. S of Cty. 66
20	5.67	1.5 1.35	12.05	Cty. 7 0.2 Mi. E. of Cty. 66
21	4.72	1.25 1.1	14.1	Cty. 213 0.2 Mi. S. of Cty. 67
22	3.88	1.2 0.94	16.2	Cty. 19 0.1 Mi. S. of Cty. 67
23	3.46	1.05 0.93	18.3	Rt. 590 0.2 Mi. E. of Cty. 67
24	3.45	.74 7.6	20.3	Cty. 23 0.15 Mi. S. of Cty. 81.

MD readings No. 1 - 10 made on 11-29-59 between 8:00 p.m. and 9:00 a.m.

MD readings 11 - 17 made on 11-23-59 between 4:23 p.m. and 5:00 p.m.

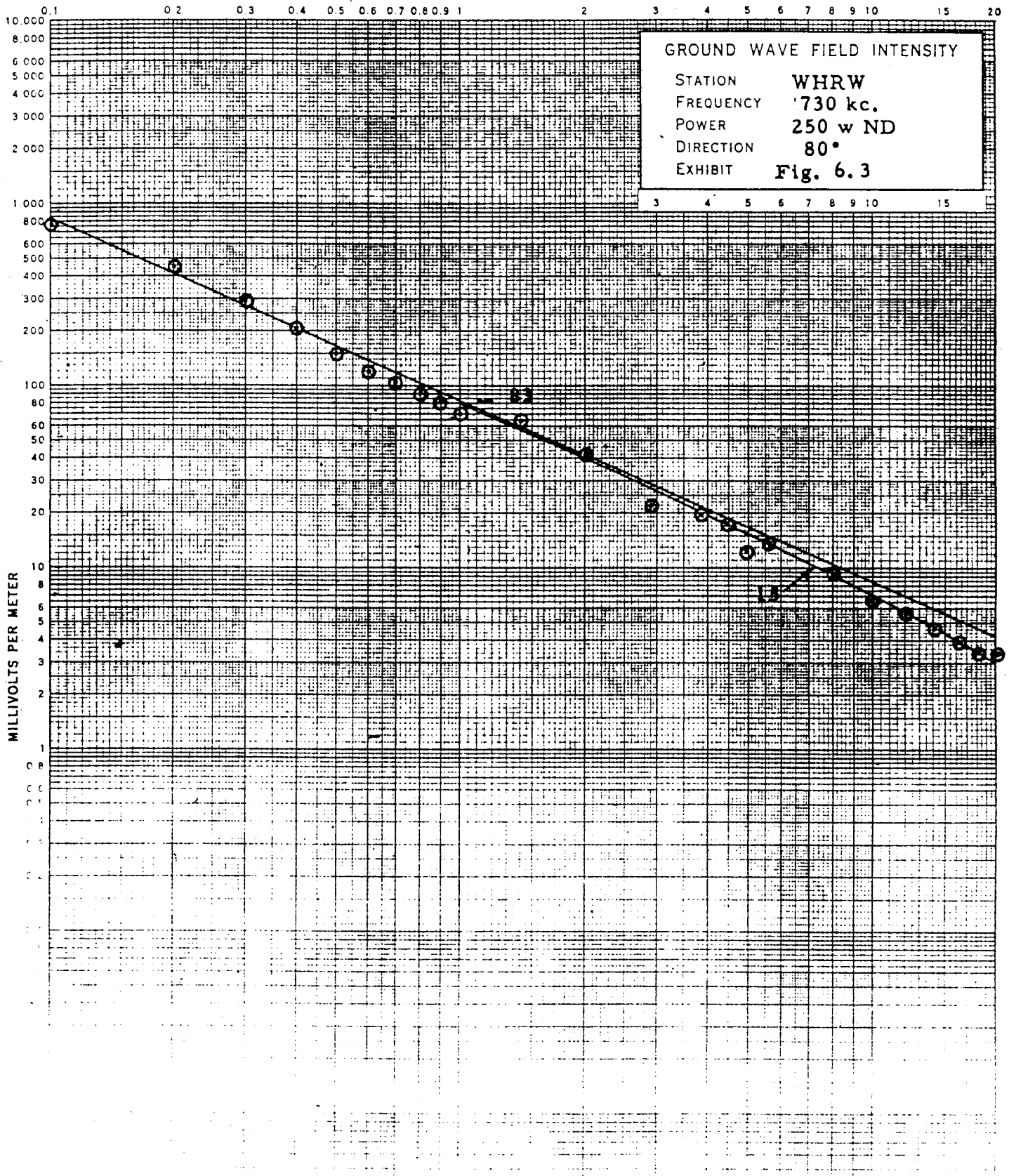
MD readings No. 18 - 24 made on 11-24-59 between 9:52 a.m. and 10:42 a.m.

DA readings No. 11 - 24 made on 4-14-61.

MILES FROM ANTENNA

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 80°
 EXHIBIT Fig. 6.3



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 BOWLING GREEN, OHIO

TABLE NO. 5.4

VERY FIELD STRENGTH READINGS ON 109° RADIAL

Site No.	250V ND	1000V DA	Dist. Mi.	Site Description
1	950		.09	
2	-		-	
3	435		.3	
4	290		.4	
5	230		.5	
6	145		.6	
7	125		.7	
8	110		.8	
9	110		.9	
10	80		1.0	
11	54.6	12.5	1.5	Oregon Rd. 0.15 Mi. N. of Rt. 20
12	39.9	8.25	2.05	Tracy Rd. 0.3 Mi. N. of Rt. 20
13	23.1	7.2	3.05	Rt. 199 0.3 Mi. N. of Rt. 20
14	22.9	4.6	3.6	Genoa Rd. 0.5 Mi. N. of Rt. 199
15	17.05	3.8	4.05	Imchey Rd. 0.1 Mi. S. of Rt. 163
16	12.6	2.45	5.55	Rt. 120 0.6 Mi. S. of Rt. 163
17	9.23	1.18	6.2	Pemberville 0.1 Mi. S. of Truman
18	7.35	2.55	8.15	Recher Rd. 1.8 Mi. N. of Pemberville
19	6.2	1.5	10.4	Cty. 28 0.15 Mi. S. of Cty. 165
20	4.88	0.9	12.45	Cty. 44 0.8 Mi. S. of Cty. 167
21	4.2	0.8	13.6	Cty. 214 0.1 Mi. S. of Rt. 105
22	3.78	0.7	15.8	Cty. 47 Mi. S. of Cty. 6
23	2.52	0.6	18.6	Cty. 141 0.5 Mi. N. of Cty. 92
24	2.52	0.55	20.1	Cty. 106 & Cty. 135

ND readings No. 1 - 10 made on 11-23-59 between 11:00 a.m. and 12:00 p.m.

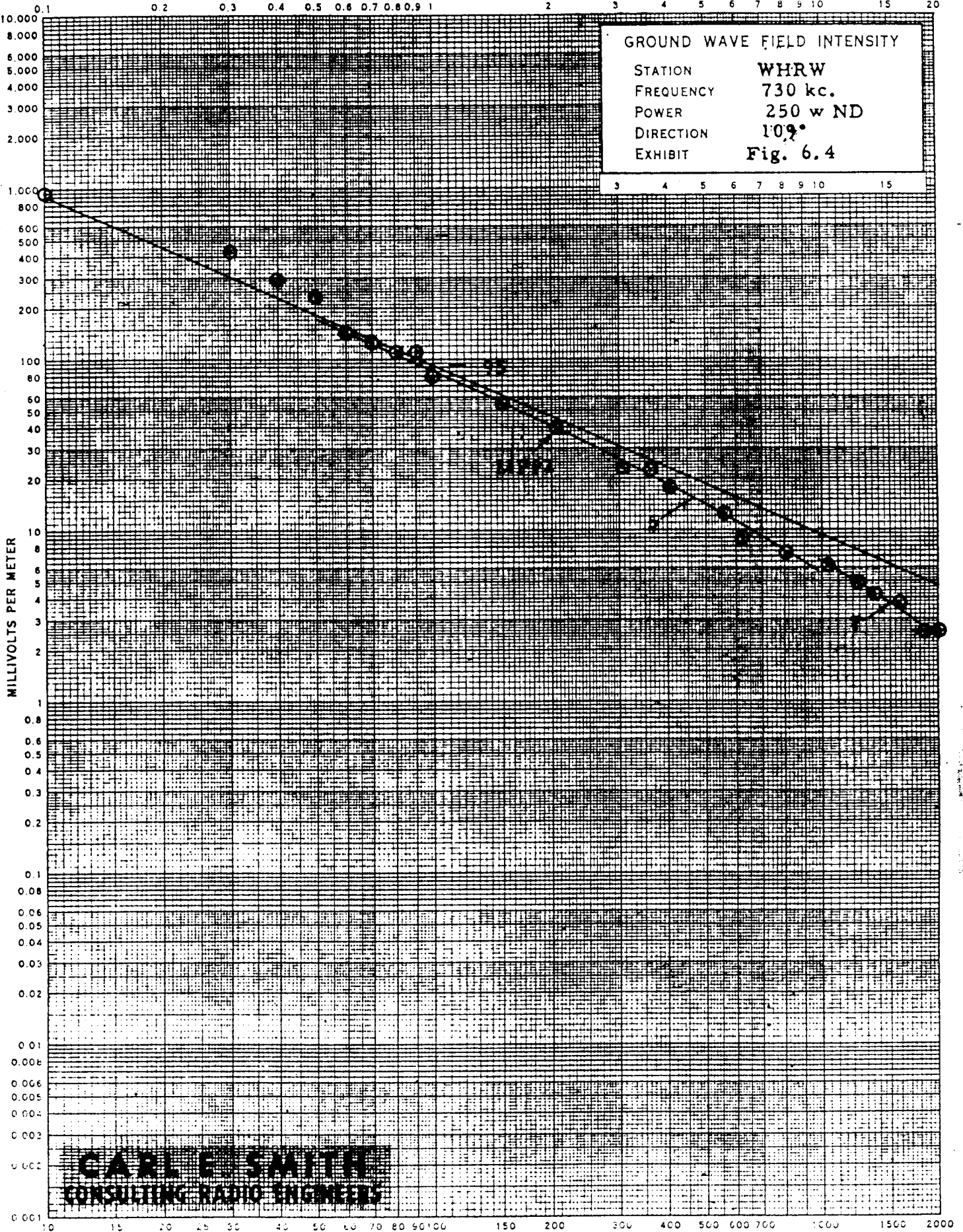
ND readings No. 11 - 24 made on 11-25-59 between 11:30 a.m. and 1:00 p.m.

DA readings No. 11-24 made on 4-13-61.

MILES FROM ANTENNA

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 109°
 EXHIBIT Fig. 6.4



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MILES FROM ANTENNA

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 BOWLING GREEN, OHIO

TABLE NO. 5.5

WHEW FIELD STRENGTH READINGS ON 142.5° RADIAL

Site No.	250W ND	1000W DA	Dist. Mi.	Site Description
1	545		.1	
2	340		.2	
3	245		.3	
4	200		.4	
5	165		.5	
6	128		.6	
7	115		.7	
8	100		.8	
9	91		.9	
10	81		1.0	
11	50.4	9.8	1.5 ¹³	Ault Rd. S. of Red Barn (.65 Mi. N. of 5 Pt. Rd.)
12	36.85	4.2	2.3 ^{7.7}	5 Pts. Rd. at Bridge
13	25.7	1.9	3.2 ^{4.6}	Tracey Rd. 0.7 Mi. S. of 5 Pts.
14	19.95	-1	4.05 ^{2.85}	Dirt Rd. N. of Bridge (unaccessible)
15	13.65	2.0	4.65 ^{3.6}	Dewling & Stony Ridge SW Corner
16	10.6	1.3	6.3 ^{1.25}	Lackey Rd. 0.15 Mi. N. of Rt. 582
17	9.55	1.0	7.85 ^{1.35}	Devils Hole Rd. 0.1 Mi. W. of Lemoyne
18	6.3	.65	9.6 ^{0.75}	Pemberville Rd. 0.3 Mi. S. of Sugar Ridge
19	6.1	.62	11.7 ^{1.76}	Kahler Rd. 0.2 Mi. E. of Bradner
20	3.94	.35	13.6 ^{1.7}	Cty. 67 0.4 Mi. E. of Rt. 199
21	3.85	.56	15.45 ^{1.54}	Cty. 55 0.2 Mi. E. of Cty. 26
22	2.94	.24	17.7 ^{1.57}	Cty. 32 1.2 Mi. E. of Cty. 41
23	2.47	.35	19.2 ^{1.37}	Cty. 42 0.1 Mi. S. of Cty. 41

ND readings No. 1 - 10 made on 11-24-59 between 9:30 a.m. and 10:30 a.m.

ND readings No. 11 - 23 made on 11-24-59 between 11:31 a.m. and 2:44 p.m.

DA readings No. 11 - 23 made on 4-12-61.

1. Point number 14 inaccessible for directional measurement.

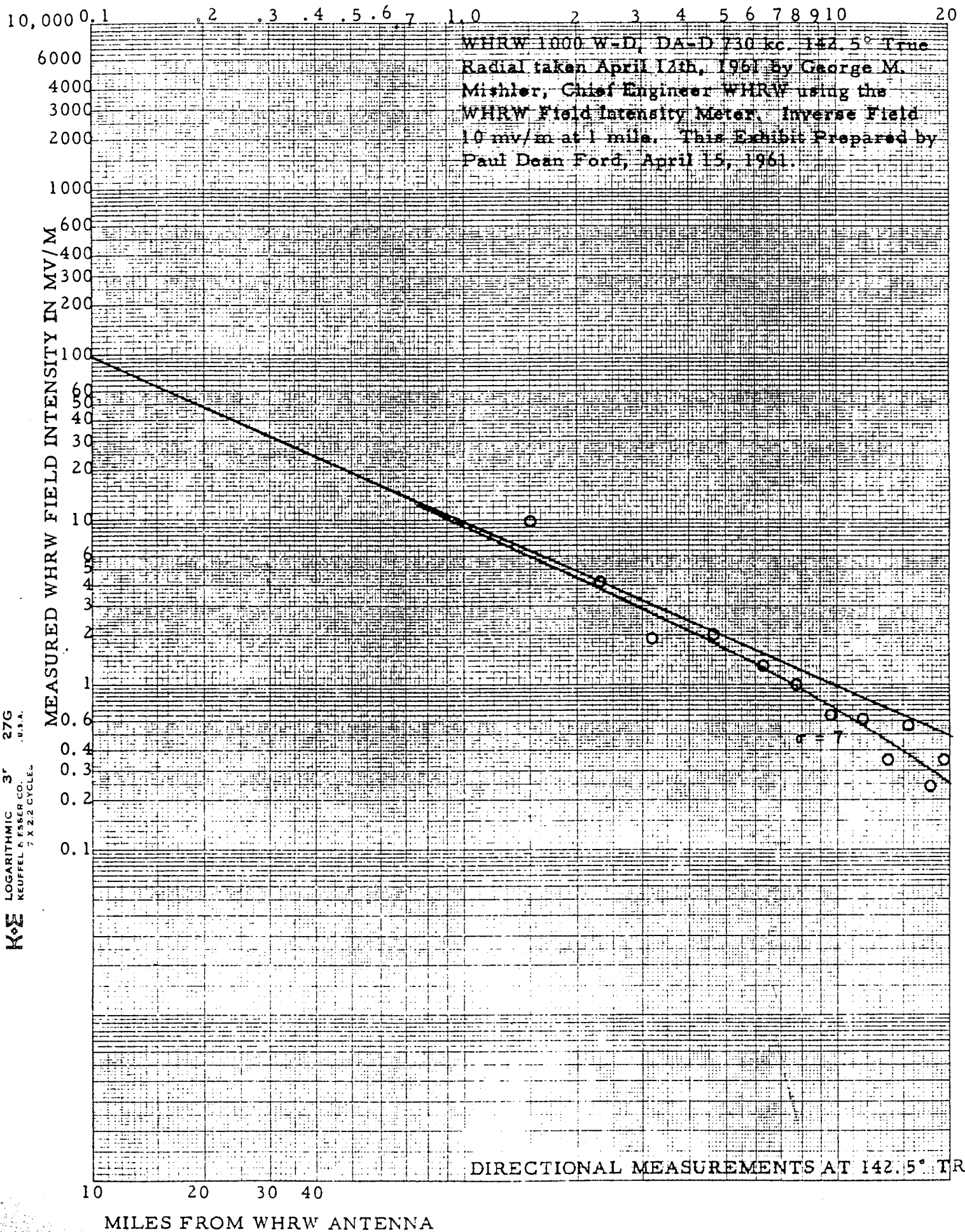


TABLE NO. 5.6

VERY FIELD STRENGTH READINGS ON 177° RADIAL

Site No.	250W MD	1000W DA	Dist. Mi.	Site Description
1	820		.1	
2	425		.2	
3	300		.3	
4	210		.4	
5	177		.5	
6	145		.6	
7	125		.7	
8	112		.8	
9	100		.9	
10	85		1.0	
11	44.6	130.0 ¹³⁰	1.8	5 Pts. Rd. 0.15 Mi. W. of Lime City Rd.
12	-	-	-	Impossible Point
13	30.5	79.0 ⁷⁵	2.8	Reitz Rd. 0.25 Mi. E. of Lime City Rd.
14	22.7	61.5 ⁵¹	3.8	Bowling Rd. 0.5 Mi. E. of Rt. 23 (white house)
15	12.7	36.5 ³¹	5.35	Jct. 582 & 23 (SW Corner) (Taken at NE Corner)
16	12.6	35.5 ^{33.5}	6.25	Devils Hole Rd. 0.55 Mi. W. Rt. 23
17	9.77	22.0 ²³	8.3	Nelson Rd. 0.15 Mi. E. of Chamberlain
18	8.62	20.0 ²¹	9.8	Bend in Rt. 105 (W. side)
19	6.72	15.5 ^{17.5}	11.9	On Dirt Rd. at Jct. Rt. 6
20	4.31	11.8 ^{12.5}	13.3	Jct. Kramer & Bloomsdale
21	3.62	10.5 ¹¹	15.95	Greenburg Pike E. of Bloomsdale
22	4.31	9.2 ¹⁰	17.5	Rt. 581 0.2 Mi. E. of Reynolds
23	3.89	8.5 ^{9.6}	19.6	Jerry City Rd. NE Corner Elmwood School.

MD readings No. 1 - 10 made on 11-24-59 between 11:00 a.m. and 12:00 p.m.

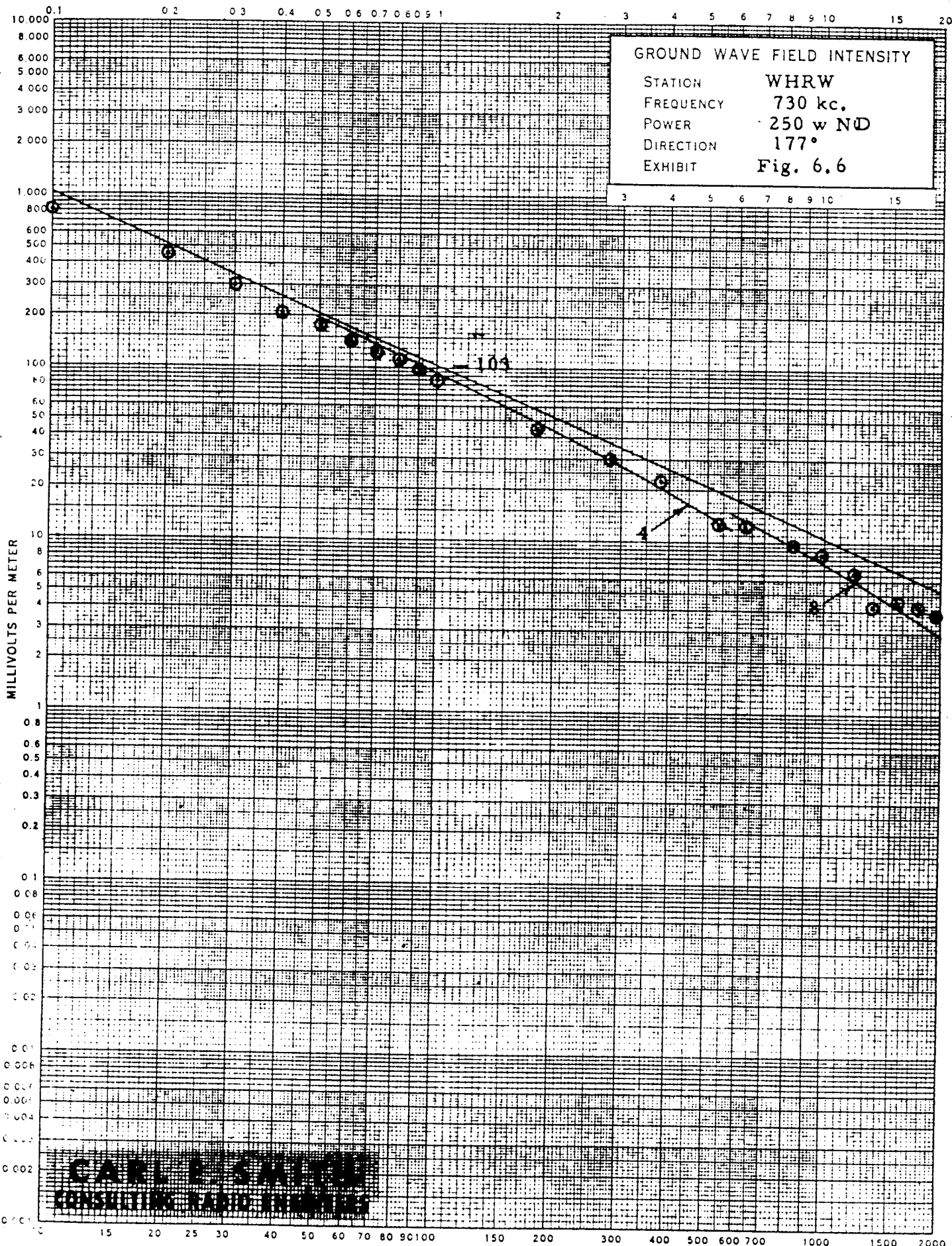
MD readings No. 11 - 23 made on 11-24-59 between 3:20 p.m. and 4:35 p.m.

DA readings No. 11 - 23 made on 4-11-61.

MILES FROM ANTENNA

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 177°
 EXHIBIT Fig. 6.6



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MILES FROM ANTENNA

HOWARD R. WARD
 BOWLING GREEN, OHIO

TABLE NO. 5.7

VERY FIELD STRENGTH READINGS ON 210° RADIAL

Site No.	250W ND	1000W PA	Dist. Mi.	Site Description
1	725		.15	
2	400		.25	
3	265		.35	
4	215		.45	
5	150		.55	
6	120		.65	
7	110		.75	
8	95		.85	
9	82		.95	
10	72		1.05	
11	97.6	470 440	0.85	Reachten 0.2 Mi. W. of Line City Rd.
12	50.9	265 205	1.5	Dayer Rd. at R. R.
13	39.9	180 245	2.1	5 Pts. Rd. 0.1 Mi. E. of Thompson
14	30.1	139 140	2.6	Rt. 23 at Dirt Rd.
15	23.6	121 105	3.2	Beitz Rd. 0.1 Mi. W. of Carter Rd.
16	16.8	89.5 78	4.35	Dowling Rd. 0.2 Mi. E. of Dunbridge
17	16.25	75 76	4.85	Gatz Rd. 0.1 Mi. E. of Dunbridge
18	13.55	63 62	6.0	Rt. 582 0.6 Mi. W. of Dunbridge
19	9.45	44.5 43.5	7.8	Cross Creek Rd. 0.5 Mi. W. of Norcor
20	6.93	32.5 31	10.1	Bishop Rd. 0.5 Mil W. of Rt. 23
21	5.80	25 24.5	11.85	Pee Rd. 0.6 Mi. E. of Mitchell
22	5.67	23 21.5	14.6	Sand Ridge Rd. 0.8 Mi. W. of Mitchell
23	4.2	--- 1	15.95	Dirt Rd. 0.5 Mi. W. of Liberty Hi.
24	3.62	14.5 15	18.05	Steen Rd. 0.4 Mi. W. of Wington
25	3.83	14 16	20.05	Rt. 281 0.4 Mi. W. of Potter

ND readings No. 1 - 10 made on 11-24-59 between 1:30 p.m. and 2:30 p.m.

ND readings No. 11 - 25 made on 11-25-59 between 9:16 a.m. and 10:46 a.m.

DA readings No. 11-25 made on 4-12-61.

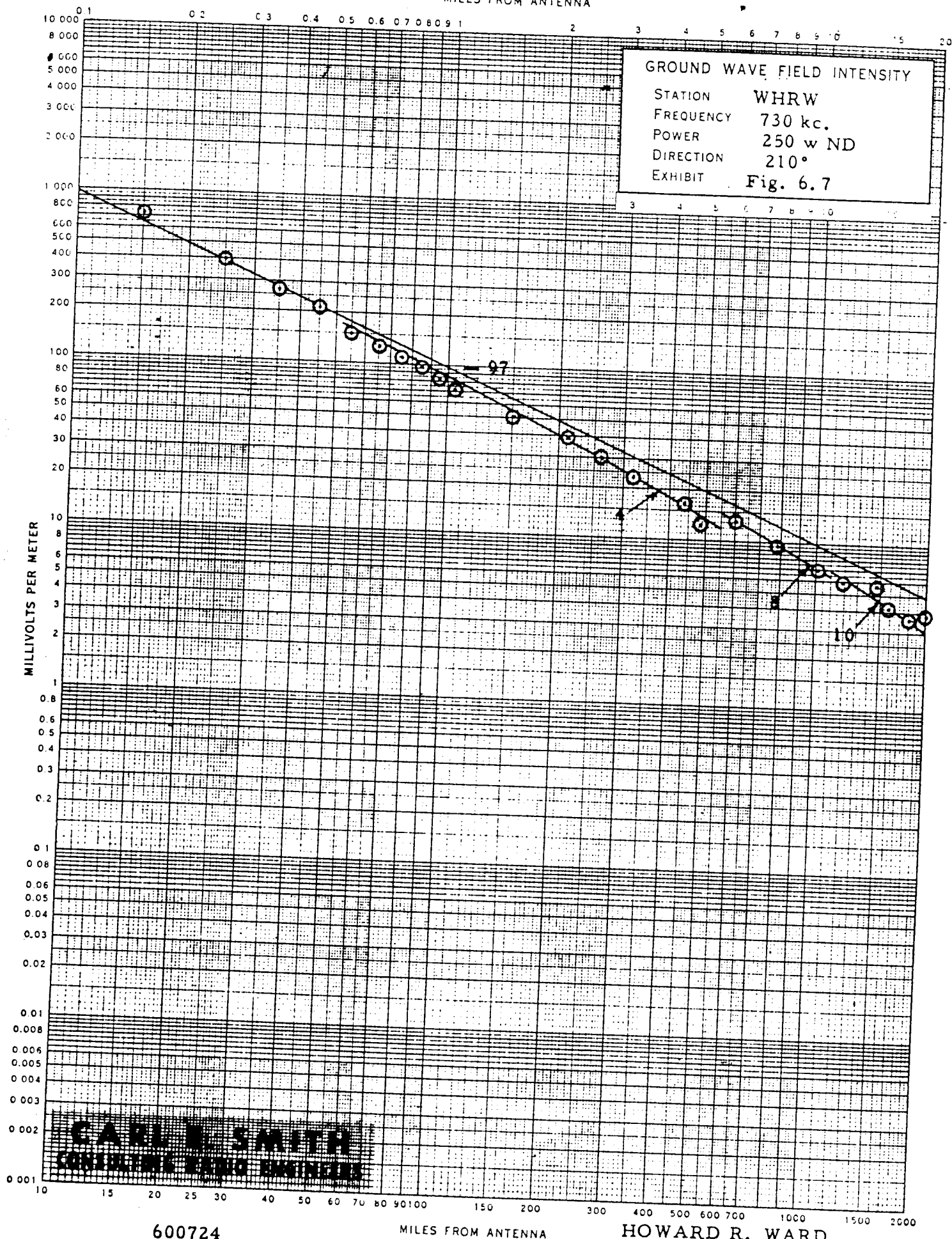
1. Point number 23 inaccessible for DA reading.

MILES FROM ANTENNA

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 210°
 EXHIBIT Fig. 6.7

MILLIVOLTS PER METER



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MILES FROM ANTENNA

HOWARD R. WARD
 BOWLING GREEN, OHIO

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CLASS

TABLE NO. 5.8

VERY FIELD STRENGTH READINGS ON 240° RADIAL

Site No.	250V HD	1000V DA	Dist. Mi.	Site Description
1	820		.11	
2	420		.22	
3	265		.33	
4	190		.44	
5	150		.55	
6	130		.66	
7	110		.77	
8	98		.88	
9	91		.99	
10	83		1.1	
11	53.5	155.0	1.3	Thompson Rd. 1.3 Mi. S. of Rt. 20 (N. side)
12	44.1	140	1.45	Roschton 0.1 Mi. W. of Thompson (N. side)
13	35.7	96.5	2.25	Rt. 23 0.3 Mi. S. of Roschton (N. side)
14	21.0	69.5	3.7	Snyder Rd. .2 Mi. N. of 5 Points
15		52.5	4.4	Dirt Rd. 0.1 Mi. S. of 5 Points
16	15.7	46.0	4.8	Rt. 25 0.6 Mi. S. of 5 Points
17	14.2	35.0	5.6	Reitz Rd. 0.5 Mi. W. of Rt. 25 (at Gray Barn)
18	10.3	29.0	6.55	Ovitt Rd. 0.5 Mi. W. of Pangillie (N. side)
19	7.35	21.3	8.15	King Rd. 1.2 Mi. W. of Hull Prairie
20	7.45	20.0	10.0	Ferst Rd. 0.9 Mi. S. of King Rd.
21	6.09	16.5	11.7	Cross Creek 0.25 Mi. S. of Robinson
22	-	-	-	Impossible point
23	3.73	11.5	16.3	Kellogg Rd. 0.3 Mi. N. of Milton
24	3.62	9.5	18.2	Jct. of Wapakoneta - Judson (W. side)
25	3.03		20.5	Jct. Cty. 2 - Cty P NE Corner (Pee Rd.)

HD readings No. 1 - 10 made on 11-24-59 between 3:00 p.m. and 4:00 p.m.

HD readings No. 11 - 25 made on 11-30-59 between 10:25 a.m. and 11:52 a.m.

DA readings No. 11 - 25 made on 4-11-61.

MILES FROM ANTENNA

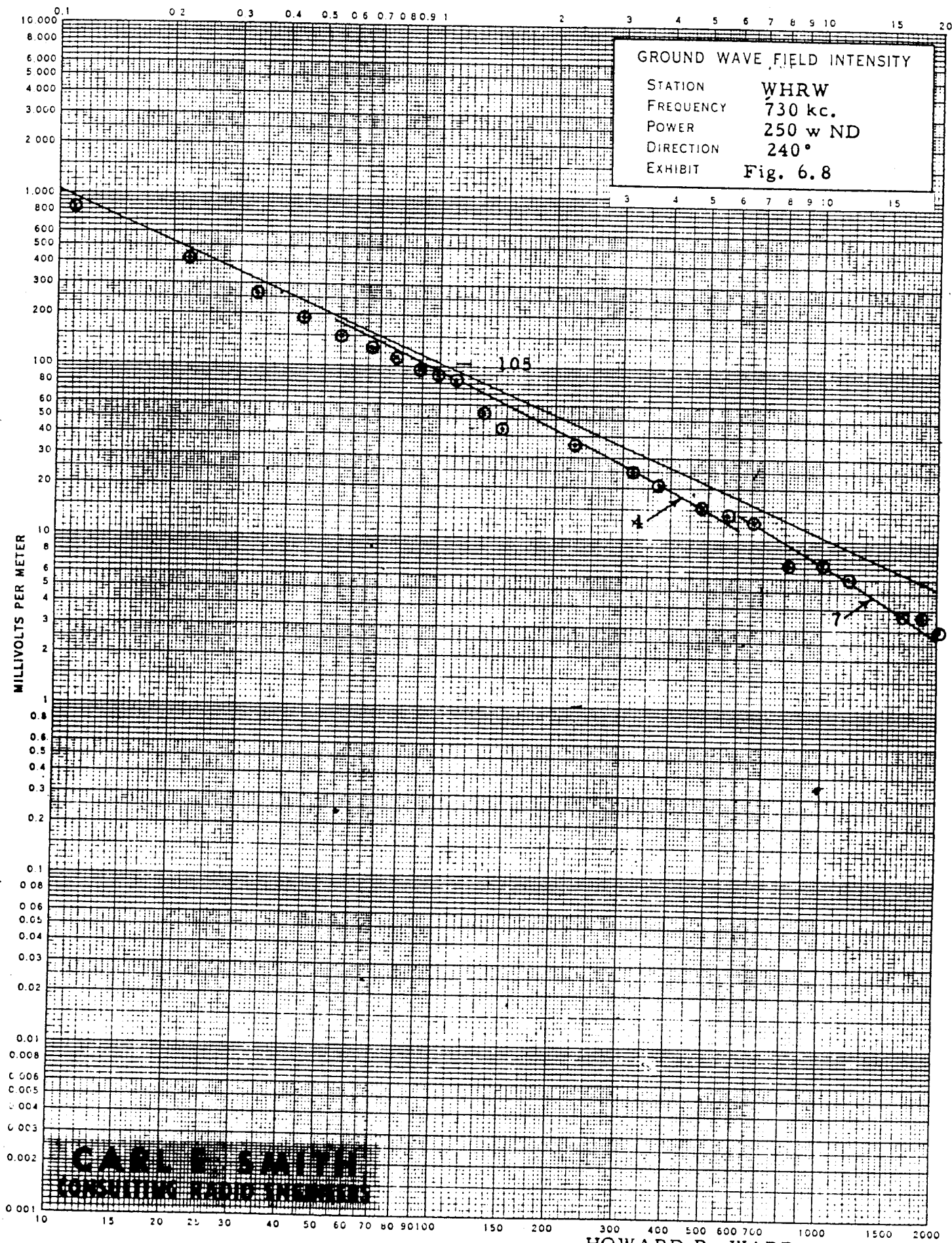


TABLE NO. 5.9

VERY FINE STRENGTH READINGS ON 268.5° RADIAL

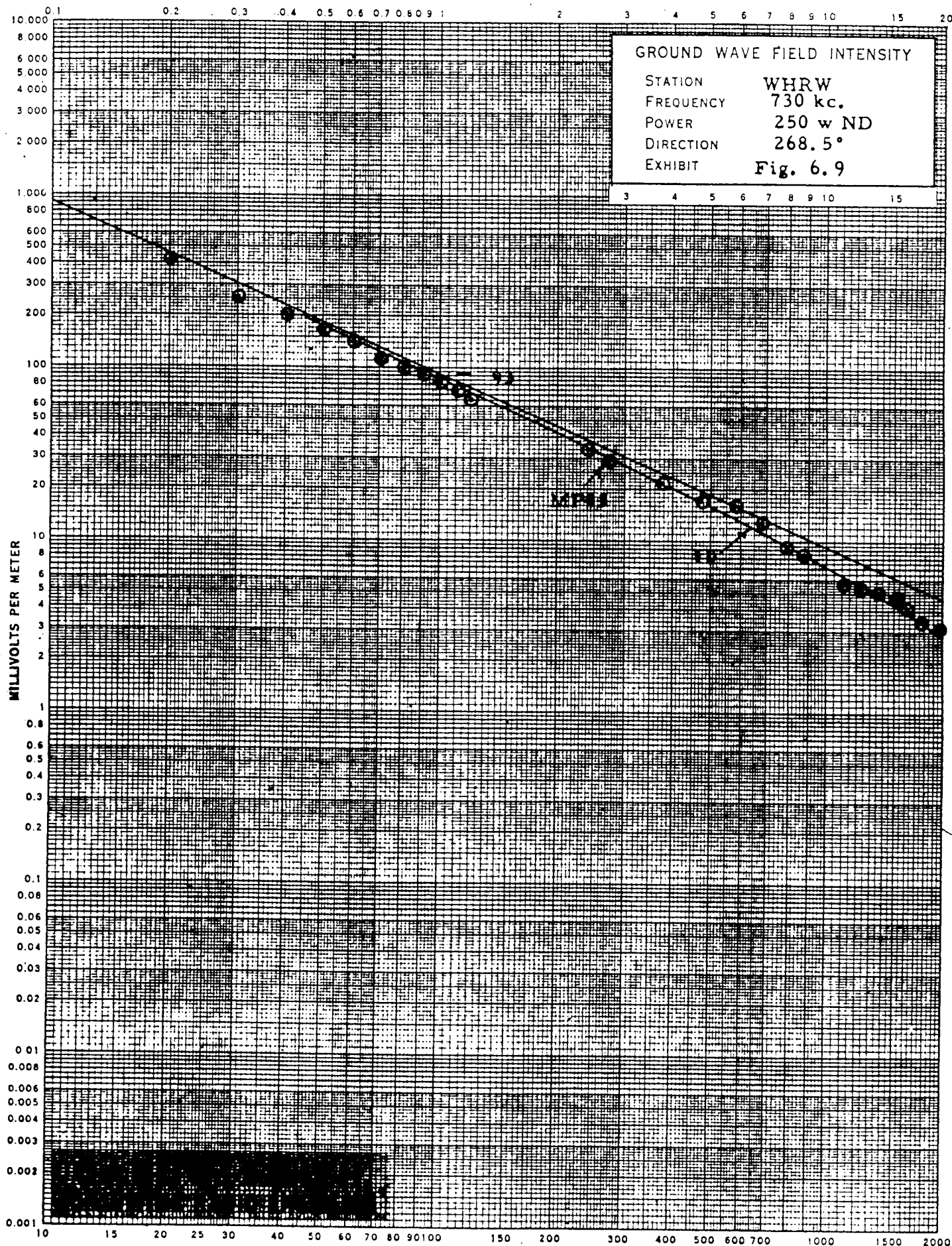
Site No.	250 W HD	1000W DA	Dist. Mi.	Site Description
1	420		.2	
2	260		.3	
3	200		.4	
4	165		.5	
5	140		.6	
6	116		.7	
7	101		.8	
8	92		.9	
9	81		1.0	
10	73		1.1	
11	65.1	23	1.15	Thompson Rd. 0.25 Mi. S. of Nehal Jet. Rd.
12	34.1	7.9	2.4	Rt. 23 0.3 Mi. S. of Nehal Jet.
13	29.4	6.8	2.7	Schneider Rd. 0.3 Mi. S. of Nehal Jet.
14	22.1	4.2	3.75	Rt. 25 0.3 Mi. S. of Nehal Jet.
15	17.3	2.8	4.75	Ft. Meigs Rd. 0.5 Mi. N. of Hanchton
16	16.3	2.4	5.8	Hall Prairie 0.5 Mi. N. of Hanchton
17	10.3	1.7	6.8	Rt. 65 0.6 Mi. N. of Hanchton
18	9.45	1.6	7.9	Rt. 24 0.5 Mi. N. of Dutch
19	8.5	1.5	8.75	Waterville 0.6 Mi. S. of Stitt
20	5.78	0.9	11.05	Butcher 0.25 Mi. N. of Pinnel
21	5.36	1.0	12.35	Providence 0.4 Mi. N. of Rt. 64
22	5.1	0.7	13.6	Rt. 64 & Rt. 295 H.N. Corner
23	4.72	0.75	15.15	Jeffers 0.7 Mi. N. of Archibald
24	4.2	0.7	16.25	Providence 0.3 Mi. S. of Rt. 64
25	3.46	0.68	17.85	Cty 2 0.4 Mi. S. of Cty D.
26	3.15	0.55	19.8	Cty. 4 0.4 Mi. N. of Cty C

HD readings No. 1 - 10 made on 11-24-59 between 4:30 p.m. and 5:30 p.m.

HD readings 11 - 26 made on 11-30-59 between 12:30 p.m. and 2:35 p.m.

DA readings 11-26 made as follows: number 11-15 made 4-11-61
number 16-26 made 4-14-61.

MILES FROM ANTENNA



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MILES FROM ANTENNA

HOWARD R. WARD
BOWLING GREEN, OHIO

TABLE NO. 5.10

WHRV FIELD STRENGTH READINGS ON 297° RADIAL

Site No.	250W ND	1000W DA	Dist. Mi.	Site Description
1	680		.1	
2	380		.2	
3	243		.3	
4	185		.4	
5	148		.5	
6	125		.6	
7	105		.7	
8	93		.8	
9	84		.9	
10	75		1.0	
11	58.8	64.5	1.3	Thompson Rd. 0.1 Mi. S. of Rt. 20
12	28.4	26.8	2.9	Hickory St. & Evergreen NW Corner
13	21.2	23.5	3.4	School Yard at 2nd Base
14	20.9	18.1	3.9	Second 7 Walnut - Front of Church
15	14.5	14	5.7	Indiana 0.2 Mi. W. of Rt. 2
16	11.65	9.85	6.5	Salisbury 0.2 Mi. N. of Indiana
17	8.82	8.5	7.95	Salisbury - Manley
18	6.4	7.85	10.15	Garden - Albion NW Corner
19	4.73	5.05	11.85	Rt. 2 0.4 Mi. W. of Crissy at Sceptic Tank Co.
20	5.04	5.45	13.75	Schwanberger 0.2 Mi. N. of Old State Line Rd.
21	3.68	3.2	16.0	Rt. 295 0.3 Mi. N. of Angela Rd.
22	3.31	2.7	18.4	Fulton-Lucas Rd. 0.4 Mi. N. of Frankfort
23	2.89	2.3	20.4	Rt. 65 0.3 Mi. N. of Cty. N.

ND readings No. 1 - 10 made on 11-25-59 between 8:00 a.m. and 9:00 a.m.

ND readings No. 11 - 14 made on 11-30-59 between 2:41 p.m. and 3:04 p.m.

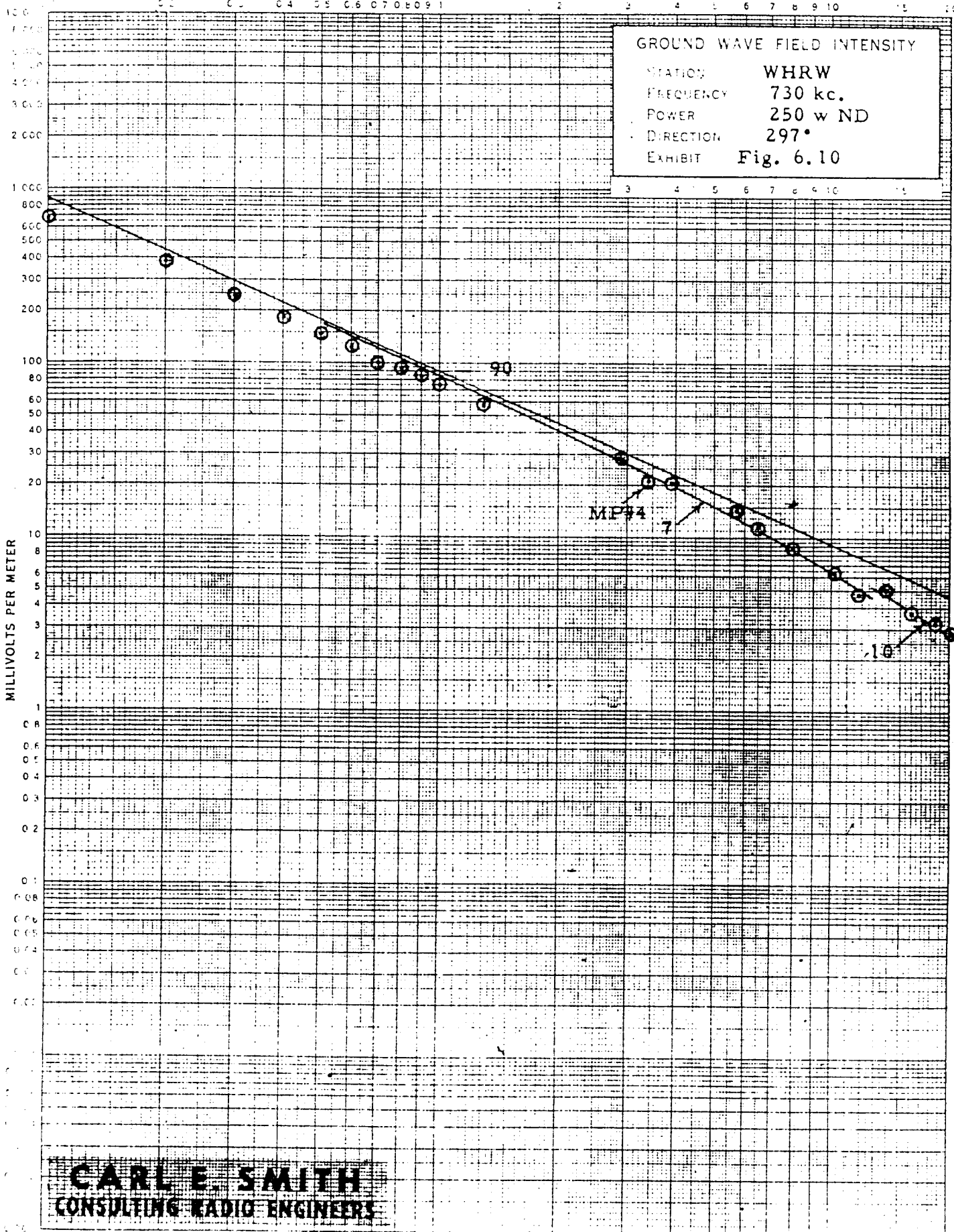
DA readings No. 11 - 23 made on 4-10-61.

MILES FROM ANTENNA

GROUND WAVE FIELD INTENSITY

STATION WHRW
 FREQUENCY 730 kc.
 POWER 250 w ND
 DIRECTION 297°
 EXHIBIT Fig. 6.10

MILLIVOLTS PER METER



CARLE E. SMITH
 CONSULTING RADIO ENGINEERS

600724

HOWARD R. WARD
 BOWLING GREEN, OHIO

TABLE NO. 5.12

VERY FINE STRENGTH READINGS ON 355° RADIAL

Site No.	250V ND	1800V DA	Dist. Mi.	Site Description
1	730		.1	
2	340		.2	
3	210		.3	
4	175		.4	
5	125		.5	
6	115		.6	
7	94		.7	
8	78		.8	
9	62		.9	
10	65		1.0	
11	38.4	13.5	1.4	Lime City Rd. 0.1 Mi. W. of Deinling Rd.
12	26.3	7.0	2.3	Lime City Rd. & Rt. 795 NW Corner
13	25.3	8.2	2.8	Mundell Rd. 0.1 Mi. W. of Lime City Rd. (CPT 9101)
14	17.85	5.8	3.85	Buck Rd. 0.25 Mi. E. of Bates Rd.
15	13.45	4.5	4.65	Schrier Rd. - Rt. 65 NE Corner
16	19.1	4.0	5.1	Enc of Eagle Point Rd. (Rt. 24)
17	10.6	2.8	6.6	Anthony Wayne Trail at Zoo Entrance
18	4.62	1.71	7.35	Corner Western & Hillside
19	5.67	.89	9.8	Monroe (Rt. 223) & Gasser
20	5.88	1.35	11.4	Jackman & Sylvania at Texaco Station
21	4.1	1.7	13.4	Alexis & Livingstone
22	4.84	1.1	14.25	Smith Rd. 0.15 Mi. W. of Jackman
23	3.99	.77	16.25	Dean Rd. 0.2 Mi. W. of Jackman
24	2.68	.55	18.3	Erie Rd. 0.3 Mi. W. of Jackman
25	2.5	.53	20.3	Rauch Rd. 0.4 Mi. E. of Douglas

ND readings No. 1 - 10 made on 11-23-59 between 4:00 p.m. and 5:00 p.m.

ND readings No. 11 - 16 made on 11-30-60 between 3:32 P.m. and 3:56 p.m.

ND readings No. 17 - 25 made on 12-1-60 between 8:55 a.m. and 10:23 a.m.

DA readings No. 11 - 25 made on 4-10-61

