

APPENDIX C

WJMP FIELD STRENGTH MEASUREMENTS

Extracted from WJMP (formerly WKNT) 1965 Full Proof of Performance

CES #10

TABLE 5.9

FIELD STRENGTH MEASUREMENTS ON 250° RADIALStation WKNT Freq. 1520 City Kent State Ohio
Non-DirectionalDate _____ By _____ Date 2-5-6-65 By F.D. LaitainMeter Model _____ Serial _____ Meter Model WX-2C Serial 824

Point No.	Radial Miles	Field Strength mv/m		Notes
		N.D.	D.A.	
		Time	Time	

1	0.1		750.0	
2	0.2		370.0	
3	0.3		240.0	
4	0.4		125.0	
5	0.5		100.0	
6	0.6		78.0	
7	0.7		82.0	
8	0.8		78.0	
9	0.9		56.0	
10	1.0		52.0	
11	1.1		64.0	63.0 25' E of Kentwood Restaurant
12	1.2		53.0	
13	1.3		51.0	44.0
14	1.4		45.0	
15	1.5		43.5	
16	1.6		32.5	33.0 Corner of drive
17	1.7		27.5	
18	1.8		32.0	
19	1.9		31.0	32.5 near of Newman Center
20	2.0		18.0	
21	2.1		21.0	17.3 Kent Campus sidewalk 50' N of Union St
22	2.6		15.5	17.0 3 streets S of Main Pop Greenhouse
23	3.0		11.0	11.2 SW cor. Water & Oak by Hydrant
24	3.47		9.8	10.2 Cedar between Dodge & Harris up side
25	4.0		3.5	4.3 N side Rt 261 0.3 mi W of RR. opp. White bldg.
26	4.85		8.7	8.3 0.2 mi N of Northeast ave. by horse farm
27	6.05		3.4	3.45 Ext. gravel pit Monroe St
28	7.53		1.85	2.42 drive of 767 North Ave.
29	8.0		2.35	2.40 lot next to 333 Starling drive
30	8.5		0.85	1.15 E Howe Rd 0.45 mi W Starling E of 3rd line

0-58-9

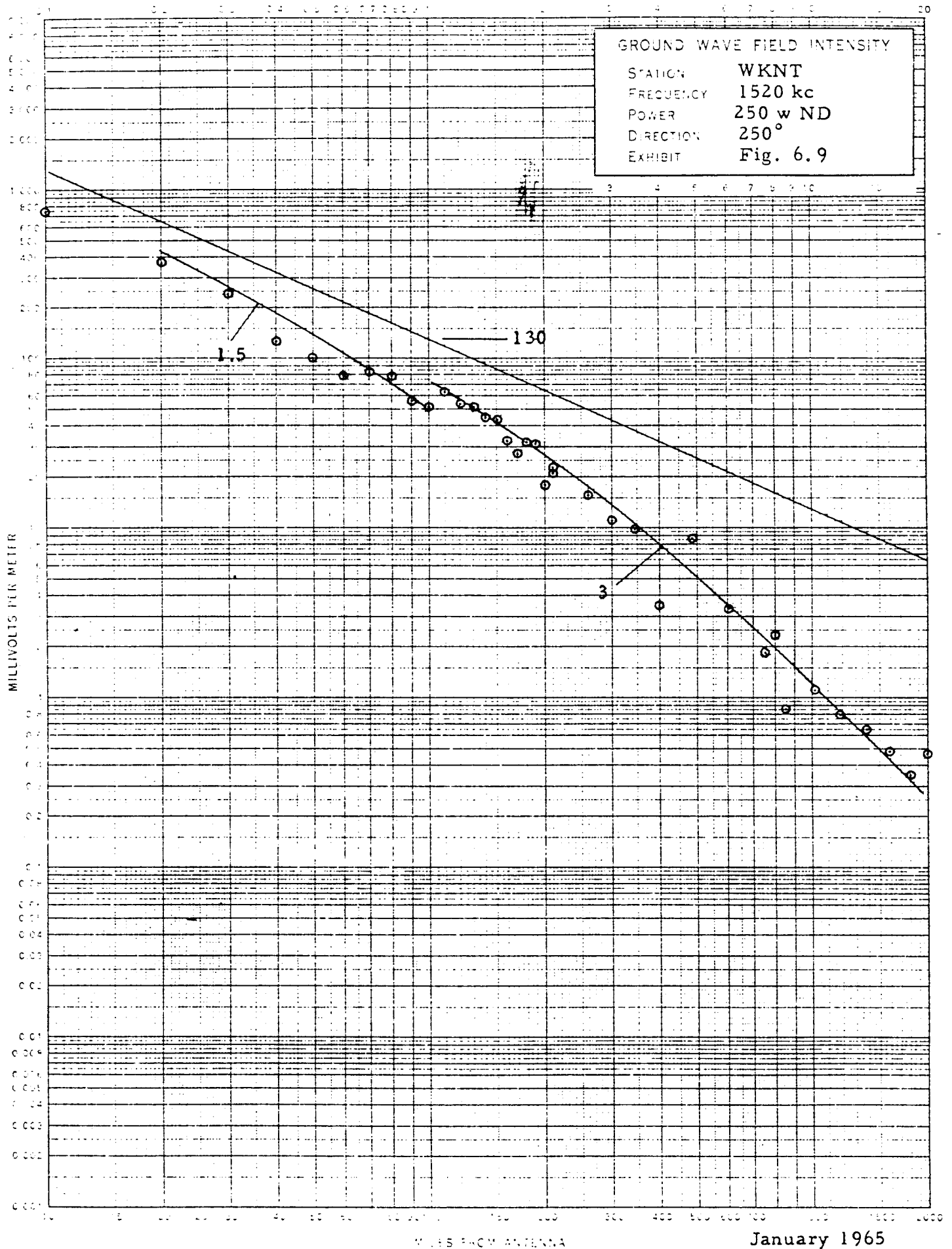
TABLE 5.9

FIELD STRENGTH MEASUREMENTS ON _____ RADIAL

Station WAX-22 Freq. 2.15 City --- State ---
Non-Directional Directional

Date --- By --- Date 0-27-65 By ---
 Meter Model --- Serial --- Meter Model WX-22 Serial ---

Point No.	Radial Miles	Field Strength mv/m		Notes
		N. D.	D. A.	
		Time	Time	
10	12.02	1.10	1.0	Drive H. Cars toward 930
11	11.83	0.20	0.93	Findley, School, near P.O.
12	12.75	0.65	0.73	Rainbow school SE 1/4 119th St
13	15.9	0.47	0.52	Along 1345 Overlook Hwy 11
14	17.07	0.35	0.41	Drive of 3600 Summit Rd
15	19.9	0.47	0.22	Sub-station at Highway R10 near 111
H.T.C. 42 readings 1-20 were taken Nov. 30 1965 with				
a 120-E° antenna in 1160 field strength meter				
by B. Newman				
ND° readings 21-36 were taken Nov. 19 and 18				
1965 with a WX-22 antenna No. 820 and				
meter by G.D. Bal and J. Baugh				



January 1965

CES #10

TABLE 5.10

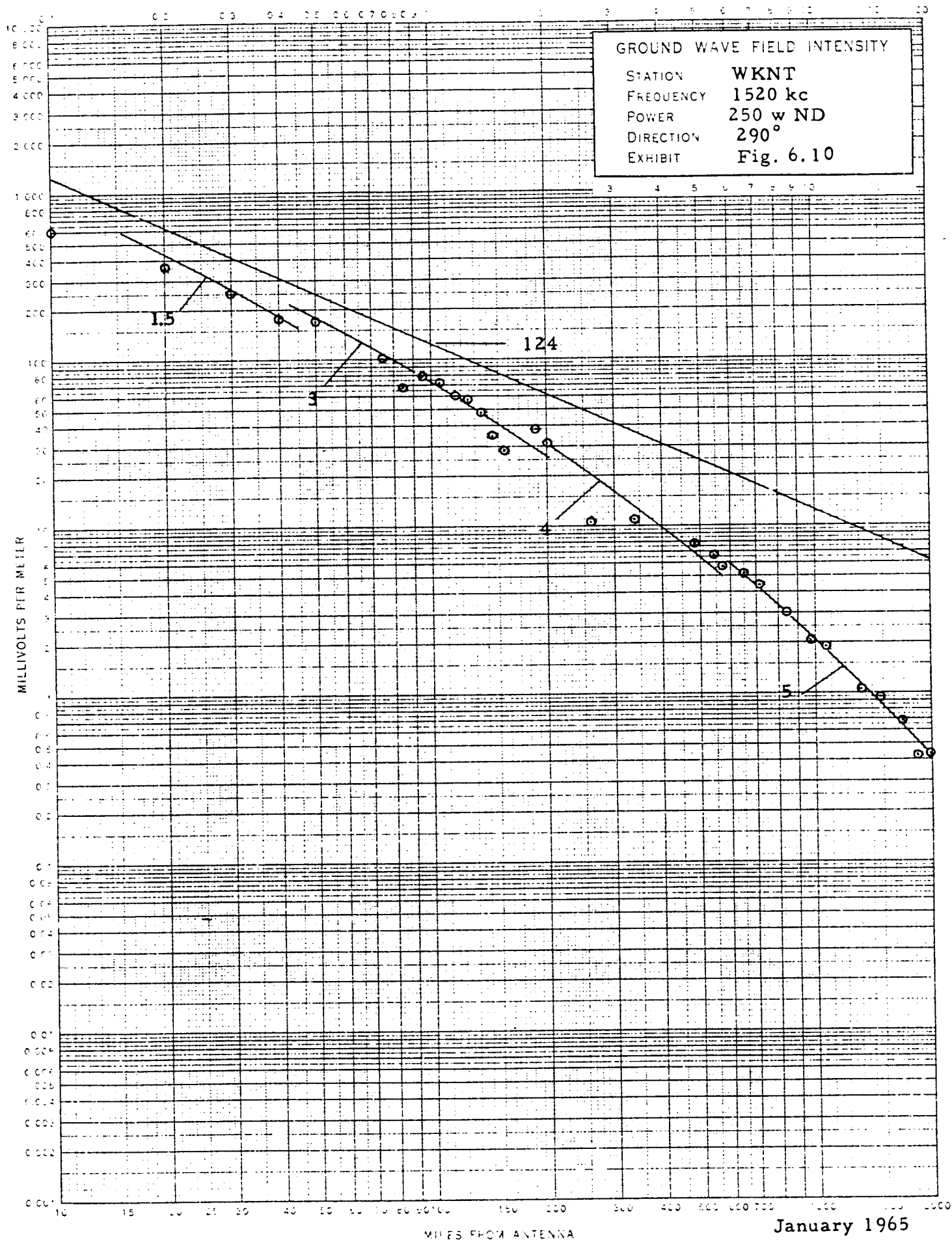
FIELD STRENGTH MEASUREMENTS ON 290° RADIALStation WKNT Freq. 1520 City Kent State Ohio

Non-Directional

Directional

Date Jan 14 + 19, 1965 By J. E. Gannon
F. B. BabinDate 2-5-65 By F. B. BabinMeter Model WX-2C Serial 824Meter Model WX-2C Serial 824

Point No.	Radial Miles	Field Strength mv/m		Notes
		N.D.	D.A.	
		Time	Time	
1	0.1	600.0		
2	0.2	360.0		
3	0.3	250.0		
4	0.4	175.0		
5	0.5	170.0		
6	0.75	100.0	1100	edge of lake.
7	0.85	68.0		
8	0.95	78.0		
9	1.05	71.0		
10	1.15	60.0		
11	1.25	59.0		
12	1.35	48.0	54.0	rd in front of wh. house, red chimney
13	1.45	35.0		
14	1.55	28.0		
15	1.87	38.0		150' past tracks
16	2.0	31.5	46.0	past tie storages by steep bank of Mass.
17	2.6	10.70	24.2	Kedge park, lit Franklin school
18	3.4	11.0	15.0	Hudson Rd 0.2 mi N of Johnson, along fence
19	4.85	7.8	11.0	Newcomer Rd 0.25 mi N of Young 3rd drive cut.
20	5.42	6.6	9.3	Young Rd 0.1 mi S Call Rd opp white house
21	5.75	5.7	7.6	Call Rd 0.3 mi W of Young opp pole # 251
22	6.55	5.1	7.8	Stow Rd E of Pole by pole # 242-26
23	7.15	4.4	6.2	no trees, sign in gravel pit off Rt 632
24	8.45	3.0	4.9	Hudson Dr 0.1 mi SW Norton bank above lake
25	9.72	2.1	3.3	Sullivan Rd 0.45 mi N of Leasow opp pole 990-23
26	10.7	1.9	2.8	Keenan Rd 0.3 mi W of Rt 8 opp. Hatterman St
27	13.03	1.05	1.5	Irwell Rd 0.15 mi from Pk. ext. pole 10013
28	14.75	0.95	1.1	Majors Rd 50' E of Low Lane River
29	16.9	0.69	0.99	Hygiene NW corner Block at W. Winchester Pl
30	18.45	0.43	0.77	Richfield Clinic parking lot
31	19.99	0.43	0.68	Exide, Ohio 0.45 mi N of Rt 100 Hutter St



January 1965

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TABLE 5.11

FIELD STRENGTH MEASUREMENTS ON 330° RADIALStation WX-2C Freq. 1520 City Forest State Ohio
Non-Directional Directional

Date _____ By _____

Date 2-4-65 By G.D. BalatineMeter Model WX-2C Serial 824Meter Model WX-2C Serial 824

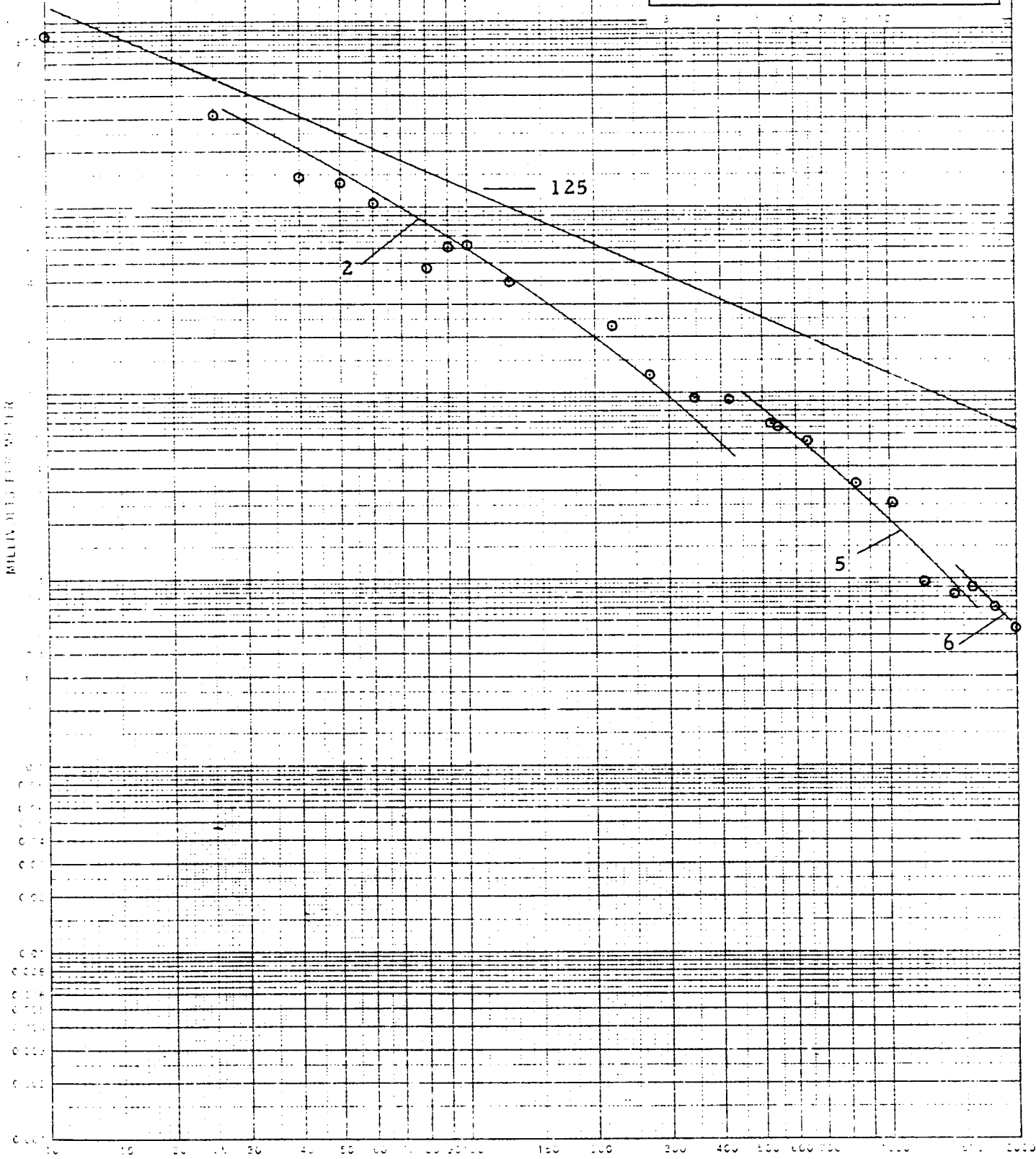
Point No.	Radial Miles	Field Strength mv/m		Notes
		N.D.	D.A.	
		Time	Time	
1	0.1	850.0		
2	0.25	315.0		
3	0.4	145.0		
4	0.5	135.0		
5	0.6	105.0	245.0	SW cor. Lake + E Brady Lake Rd.
6	0.8	47.0		3rd house on rd. by 2nd pole
7	0.9	61.0	173.0	picnic table of DE Lane 2282 Longmore Rd
8	1.0	63.0	118.0	N side Rossman Rd between house & tower
9	1.25	40.0	108.0	E Lake Rockwell by trees + broken fence
10	2.2	23.0	70.0	jet of Lake Keough + Lake Rockwell rd.
11	2.7	12.5	32.5	Diagonal Rd on railbed # 7478
12	3.45	9.3	22.2	by small trees on grassy lane off Rt 43
13	4.18	9.2	24.8	100' up WJ Zaller on Kennedy 0.2 mi W Rt 43
14	5.23	6.8	17.3	Ferguson Rd 0.9 mi N Kennedy S of Smith Rd.
15	5.45	6.5	10.5	Seasons Rd 0.2 mi W of Ferguson between pole & box
16	6.35	5.5	13.0	Rt 303 0.95 mi from Rt 14 by pole 8/26
17	8.35	3.25	9.3	island at jct Rt 14 + Marion Rd.
17	10.02	2.55	6.8	large tree stump on Davis 0.28 mi E of Rt 14
19	12.05	0.96	2.5	in drive by hill sign on Cannon Rd
20	14.1	0.82	2.05	drive of 2487 Apartment 0.2 mi N of Post Rd.
21	15.7	0.90	2.3	curve sign on Pettibone Rd 0.85 mi N of Rt 14
22	17.96	0.71	1.63	28520 Selon Rd Yeager house
23	19.8	0.55	1.45	Side of Clay Pk. lot off Quercus Rd 0.25 mi SE of Rt 43

Note ND readings were taken Jan. 14, 18 & 19, 1965 with a WX-2C Serial No 824 field strength meter by J. Barger and G. Balatine.

GROUND WAVE FIELD INTENSITY

STATION WKNT
 FREQUENCY 1520 kc
 POWER 250 w ND
 DIRECTION 330°
 EXHIBIT Fig. 6.11

MILLI VOLTS PER METER



January 1965