

APPENDIX N

WCBM FIELD STRENGTH MEASUREMENTS  
(PRESENTLY LICENSED TRANSMITTER SITE)

(Extracted from WCBM 1967 Full Proof of Performance)

N 7° E					N 48° E				
Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M	Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.20	1350	-	-	1	.24	1300	-	-
2	.30	1000	-	-	2	.37	840	-	-
3	.43	830	-	-	3	.44	720	-	-
4	.51	870	-	-	4	.54	700	-	-
5	.62	550	-	-	5	.72	410	320	36.0
6	.85	418	235	145	6	.88	348	205	18.0
7	1.03	330	203	122	7	1.13	190	140	14.0
8	1.82	157	105	58	8	1.73	94.0	71.0	4.20
9	2.26	125	85	49	9	1.98	78.0	52.0	2.00
10	2.55	91.0	55	30	10	2.15	78.0	53.0	1.85
11	3.20	82.0	58	29	11	2.40	66.0	45.0	1.90
12	3.74	41.5	27	14	12	3.00	50.0	41.0	3.40
13	4.26	42.0	27	14.2	13	3.50	33.0	22.3	1.40
14	4.70	38.0	27	13.5	14	3.96	38.0	20.0	3.60
15	5.50	37.5	25	13.7	15	4.26	33.5	15.0	3.00
16	6.92	21.7	14.5	8.8	16	4.68	25.0	13.0	2.00
17	7.88	16.0	10.8	6.3	17	5.48	17.3	10.0	1.70
18	9.42	13.8	9.2	5.3	18	6.85	14.0	9.10	0.78
19	10.9	7.70	6.5	2.9	19	7.70	9.40	4.60	0.92
20	12.8	5.70	4.1	2.1	20	8.85	8.70	6.10	1.10
21	14.6	5.05	3.6	1.8	21	9.80	8.70	6.00	0.86
22	16.7	3.90	2.8	1.4	22	11.2	4.55	3.00	0.27
23	18.0	2.50	1.85	1.02	23	12.0	4.20	3.20	0.10
24	19.2	2.80	2.00	1.06	24	13.2	3.30	2.47	0.20
25	21.1	2.13	1.40	0.75	25	15.2	2.83	2.35	0.17
26	23.2	2.05	1.05	0.62	26	16.7	2.60	1.90	0.21
					27	18.9	1.55	1.20	0.15

N 93° E

Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.27	1370	-	-
2	.46	940	-	-
3	.52	930	-	-
4	.67	580	-	-
5	1.05	287	490	380
6	1.16	300	480	375
7	1.5	240	450	337
8	1.76	180	335	260
9	2.53	95	178	130
10	2.7	74.5	145	110
11	3.28	72	130	90
12	3.5	46.5	85	62
13	4.1	46	86	67
14	4.84	39.5	75	50
15	5.77	24	48	35
16	6.8	18	34	25
17	7.66	18.5	37	26
18	9.0	13	26	18.5
19	10.0	10.2	21	15
20	11.3	9.4	18	14
21	12.2	7.7	14	11
22	13.5	8.4	16	12
23	14.9	6.6	14	10.5
24	15.7	6.2	11.5	8.7
25	18	4.5	8.3	6.1
26	20.1	3.85	8.0	5.8

N 127° E

Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.22	1850	-	-
2	.26	1400	-	-
3	.30	1180	-	-
4	.83	560	1500	1000
5	.91	555	1400	970
6	1.05	390	1050	700
7	1.33	252	660	495
8	1.57	235	620	465
9	1.90	175	460	345
10	2.23	152	410	285
11	2.62	92	235	180
12	2.96	76	230	168
13	3.03	92	245	170
14	3.33	100	273	182
15	3.53	68.5	220	132
16	4.27	57.5	155	110
17	4.9	56	150	104
18	5.57	47.5	142	94
19	6.35	48	135	90
20	7.16	40.5	100	78
21	7.75	35	91	70
22	9.27	26	66	49
23	10.7	17.5	42	30
24	12.1	17.7	49	35
25	13.3	16.5	43	34
26	14.9	13.5	34	25
27	16.7	11.0	31	24
28	20.8	10.3	28	22

N 165° E					N 206° E				
Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M	Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.50	840	-	-	1	.22	1200	-	-
2	.58	640	-	-	2	.28	675	-	-
3	1.0	310	450	380	3	.64	400	-	-
4	1.26	143	270	205	4	.71	365	-	-
5	1.33	220	365	260	5	.82	337	-	-
6	1.53	153	210	180	6	1.12	195	-	-
7	1.97	97	170	118	7	1.2	202	-	-
8	2.64	87	118	86	8	1.36	180	175	13
9	3.06	75	110	82	9	1.40	130	140	11
10	3.20	76	94	77	10	1.60	143	87	7.2
11	3.87	60	87	66.5	11	2.05	82	68	4.6
12	4.75	49	73	57	12	2.45	80	67	4.0
13	5.2	38	59	46	13	2.65	72	57	4.1
14	6.33	26	43	32	14	2.8	82	68	5.8
15	7.83	28.5	40	33	15	3.0	107	78	6.3
16	8.7	26	41	21	16	3.6	45	33.5	5.4
17	9.9	18	28	15	17	4.9	20.8	14	1.6
18	11.1	15.3	19	17	18	5.8	17.2	12.5	.62
19	12.3	14	23	15	19	6.35	17.7	15	.85
20	13.8	10	18.5	8.5	20	8.7	9.0	7.0	1.2
21	15.1	8.1	12.3	8.5	21	10.1	6.7	5.4	.92
22	16.2	5.1	10	8.1	22	11.3	7.0	5.5	.50
23	17.8	5.9	9.1	7.1	23	13.4	4.6	4.1	.90
24	18.8	5.2	7.4	6.0	24	16.9	2.2	1.3	.13
25	20	3.3	5.2	4.2	25	18.1	2.5	1.2	.17
					26	19.2	2.1	1.2	.12
					27	20.8	1.6	1.25	.08

N 248° E

Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.18	1700	-	-
2	.30	1200	680	450
3	.40	820	370	248
4	.50	720	360	235
5	.60	590	310	220
6	1.08	240	135	91
7	1.30	197	140	75
8	2.05	105	78	47
9	2.8	78	52	30
10	3.15	66	50	29
11	3.4	61	43	21.5
M.P.-12	3.5	57	46	25
13	3.73	41.5	32	18
14	4.75	21.2	16	8.8
15	5.7	12	10	6.2
16	7.26	17	13.5	8.0
17	8.57	9.5	7.3	4.6
18	10.1	5.7	4.3	2.8
19	10.9	5.0	4.6	2.5
20	12.2	4.8	3.8	2.0
21	13.8	3.5	3.15	1.85
22	15.3	2.88	2.2	1.65
23	16.6	2.97	2.1	1.3
24	17.4	2.45	1.9	1.2
25	18.9	2.3	1.8	1.05
26	20	2.1	1.55	1.0

N 273° E

Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.17	2150	-	-
2	.67	620	-	-
3	.76	510	-	-
4	.87	500	-	-
5	1.04	377	180	82
6	1.3	253	125	47
7	1.5	235	125	44
8	1.67	185	97	40
9	1.9	150	85	32
10	2.26	163	81	34
11	2.5	125	70	28
M.P.-12	3.2	90	50	21
13	4.16	59	35.5	12.5
14	6.36	26	20	7.0
15	7.3	19	12.7	5.0
16	8.5	14.8	8.6	3.3
17	9.15	12.3	8.8	3.1
18	9.8	10.3	7.2	2.5
19	11.4	9.8	5.0	2.2
20	12.6	7.5	4.65	1.8
21	14.8	4.1	2.45	.91
22	16.5	3.6	2.1	.85
23	18.1	2.6	1.9	.78
24	20	2.2	1.55	.62
25	21.7	1.77	1.05	.43

N 307° E

Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.18	2550	-	-
2	.43	920	-	-
3	.55	725	-	-
4	.65	600	-	-
5	.78	390	190	200
6	.90	480	248	240
M.P. - 7	1.15	273	160	145
8	1.47	227	130	123
9	2.0	123	80	66
10	2.54	90	56	52
11	2.82	77	46	44
12	3.22	53	33.5	32
13	3.45	78	41	38
14	4.17	53	30.5	30
15	4.74	35	20.5	20
16	5.05	22.5	15.5	13
17	5.95	26.7	15	15
18	6.3	16.5	12	12
19	6.4	20.5	16	16
20	6.9	14	9.6	9.8
21	7.55	12	8.6	8.6
22	8.65	11	8.9	9.0
→ 23	9.65	6.2	4.75	4.8
24	11.3	7.0	4.7	4.6
25	12.1	7.0	5.0	5.0
26	14.3	5.1	3.1	3.1
27	15.0	4.0	3.0	3.0
28	15.5	4.8	3.2	3.1
29	17.4	3.1	2.08	2.1
30	20.2	3.1	2.1	2.1

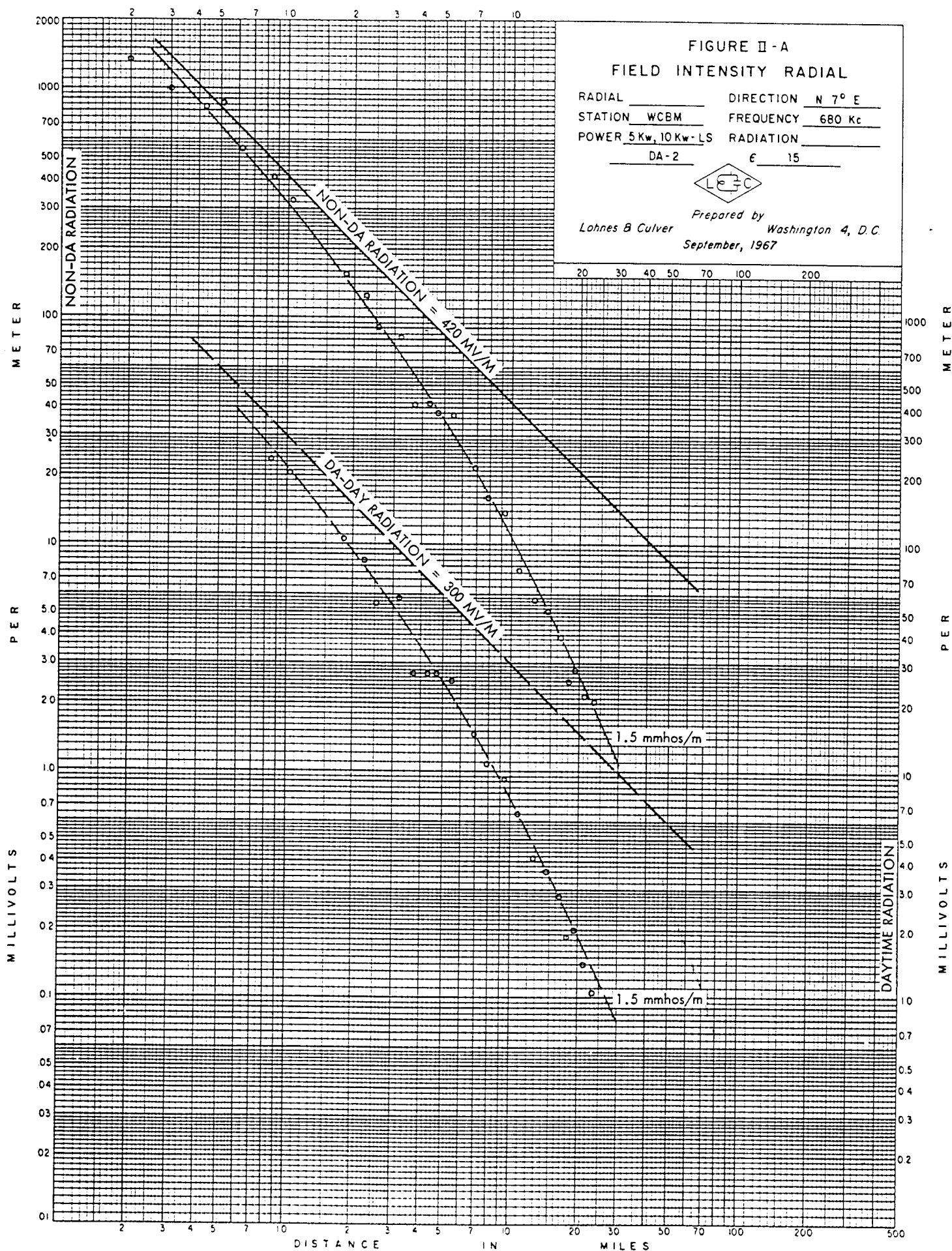
N 341° E

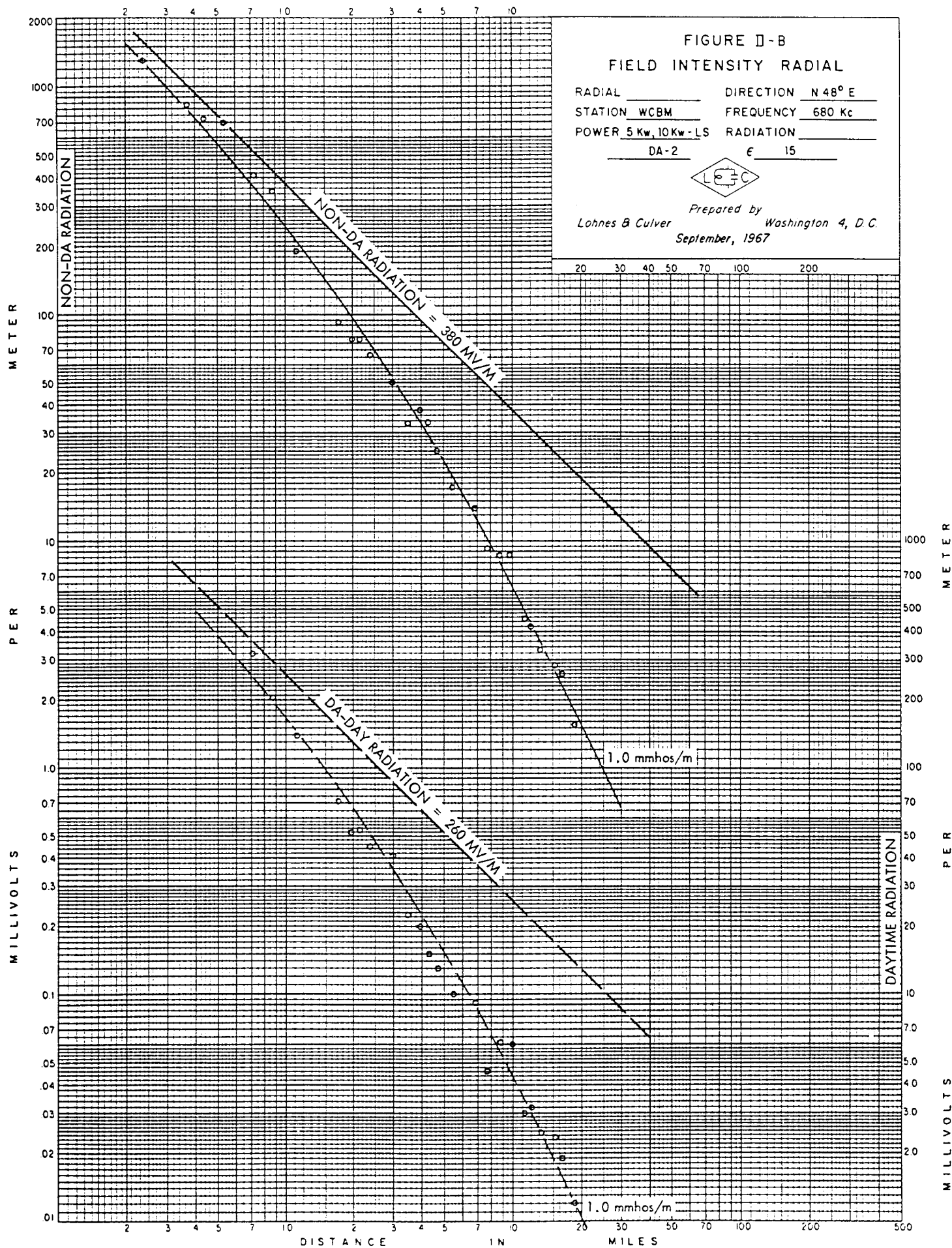
Loc. No.	Dist. (Miles)	Non-DA MV/M	DA-D MV/M	DA-N MV/M
1	.25	1550	-	-
2	.50	880	-	-
3	.56	780	-	-
4	.60	630	-	-
5	.80	355	-	-
6	.97	355	177	72
7	1.17	340	160	58
8	1.55	220	105	45
9	1.61	275	130	56
10	1.68	205	95	45
11	1.90	150	86	25
12	2.10	150	71	30
13	2.5	91	48.5	20.5
14	3.5	76	37	15.5
15	4.08	65	33.5	16
16	4.3	60	32	14.5
17	5.1	34.5	17.7	8.0
18	6.25	29.5	14	6.8
19	7.9	16	13.5	2.5
20	8.7	12	6.6	3.1
21	9.9	10	4.3	2.4
22	10.6	10.8	5.4	2.43
23	11.7	9.4	4.95	2.3
→ 24	13.7	7.8	4.4	2.0
25	14.7	5.5	3.0	1.5
26	17.0	4.9	2.65	1.3
27	18.6	3.9	2.25	1.0
28	21.1	2.55	1.5	.60

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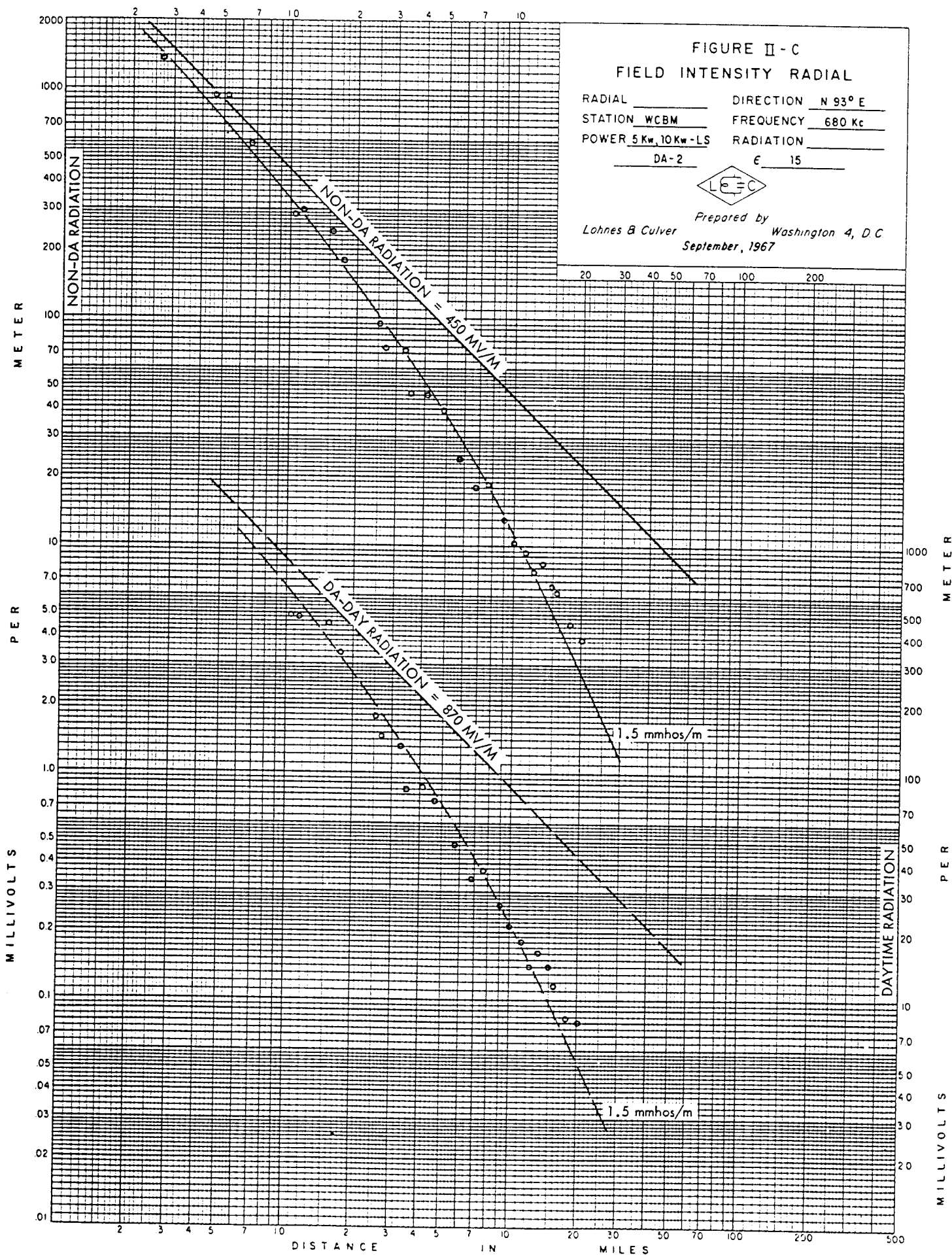
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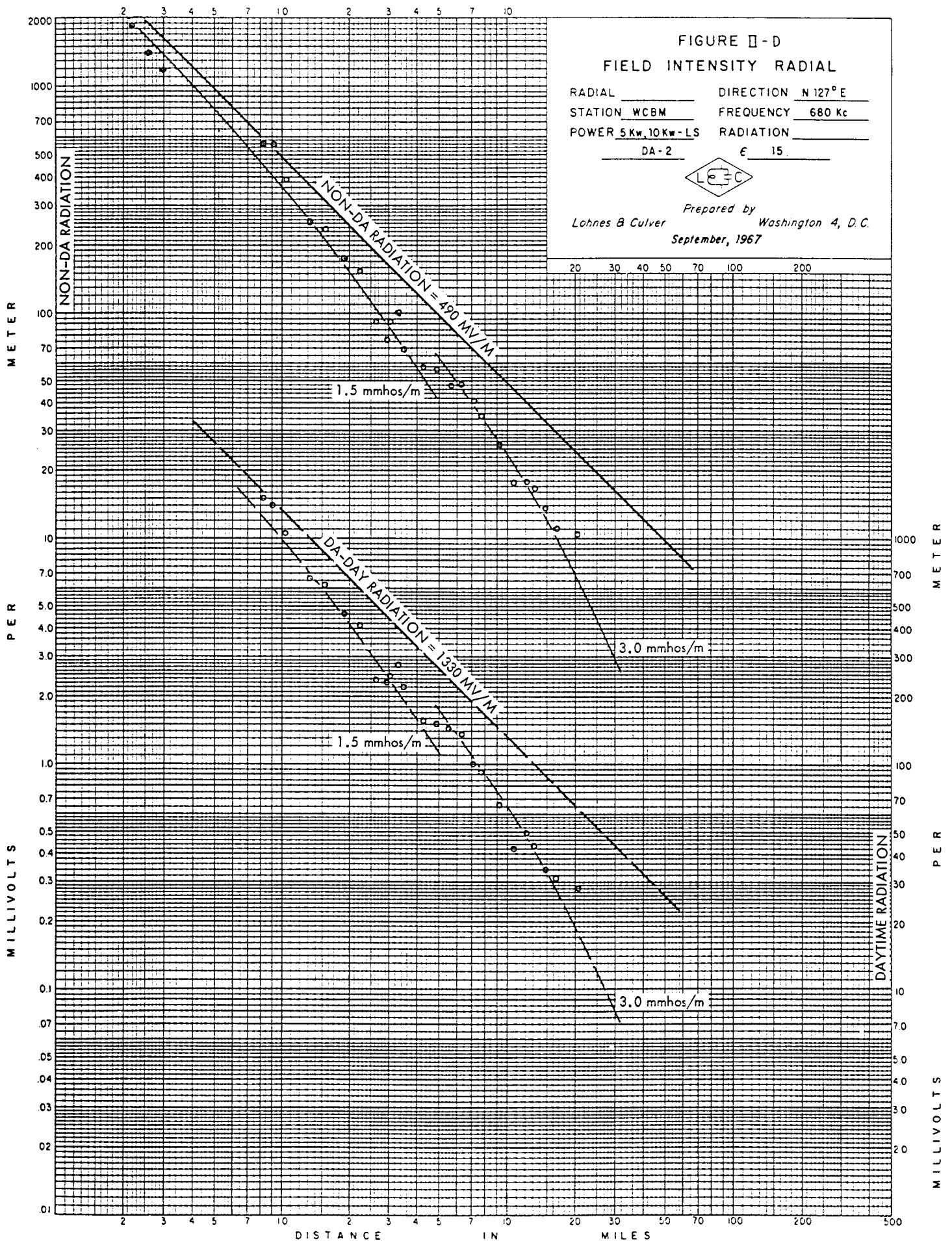
Washington, D. C.

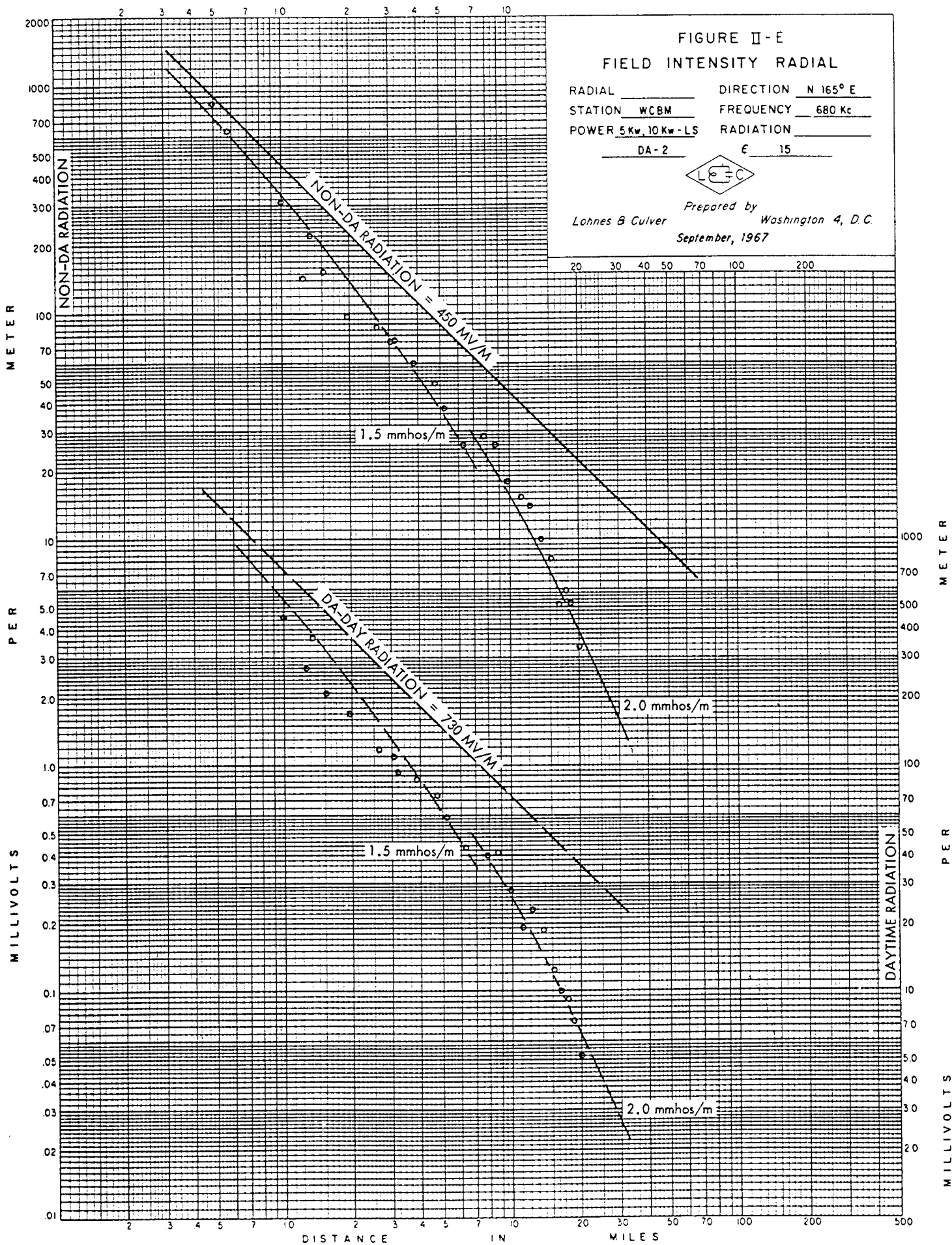












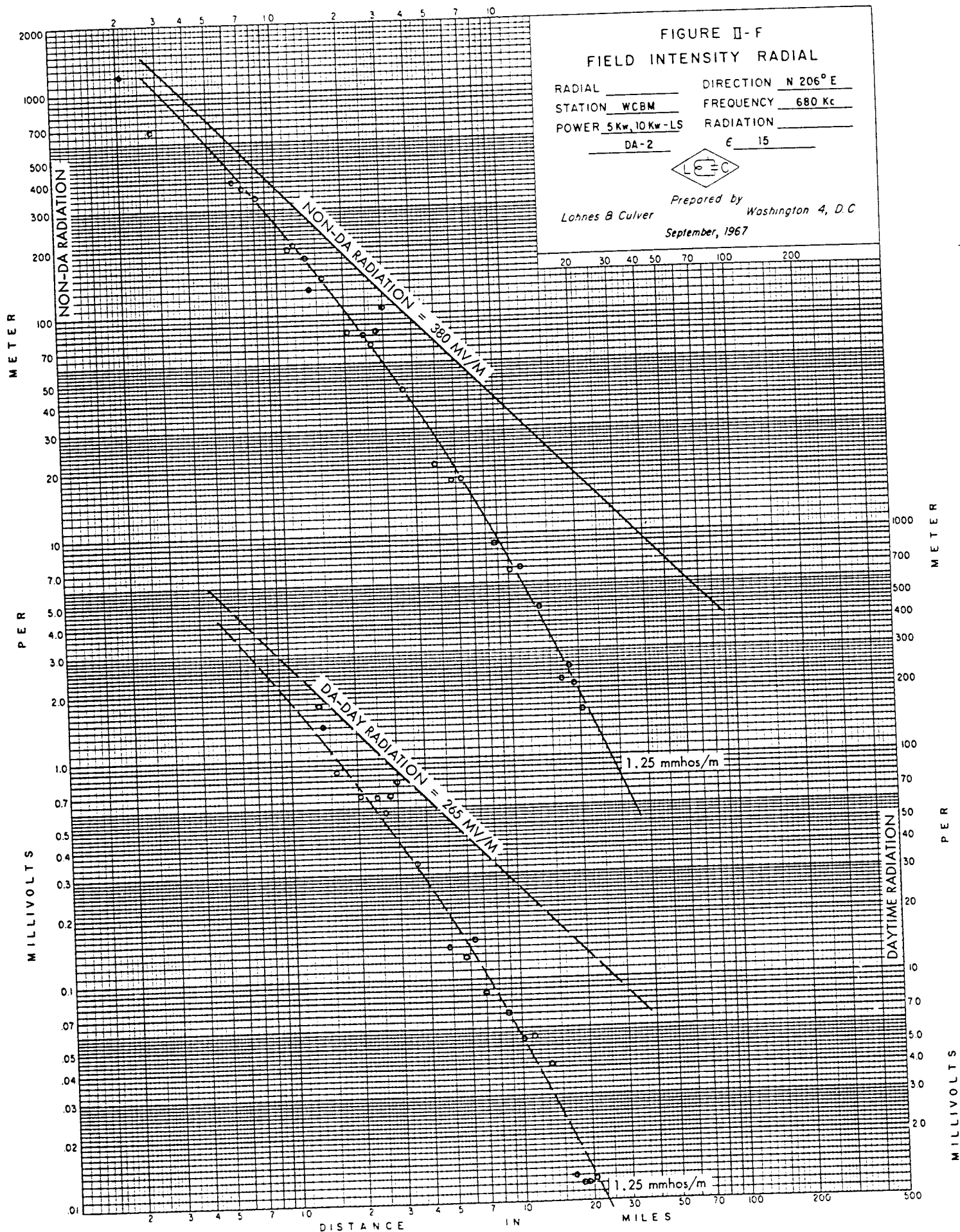
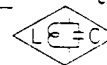


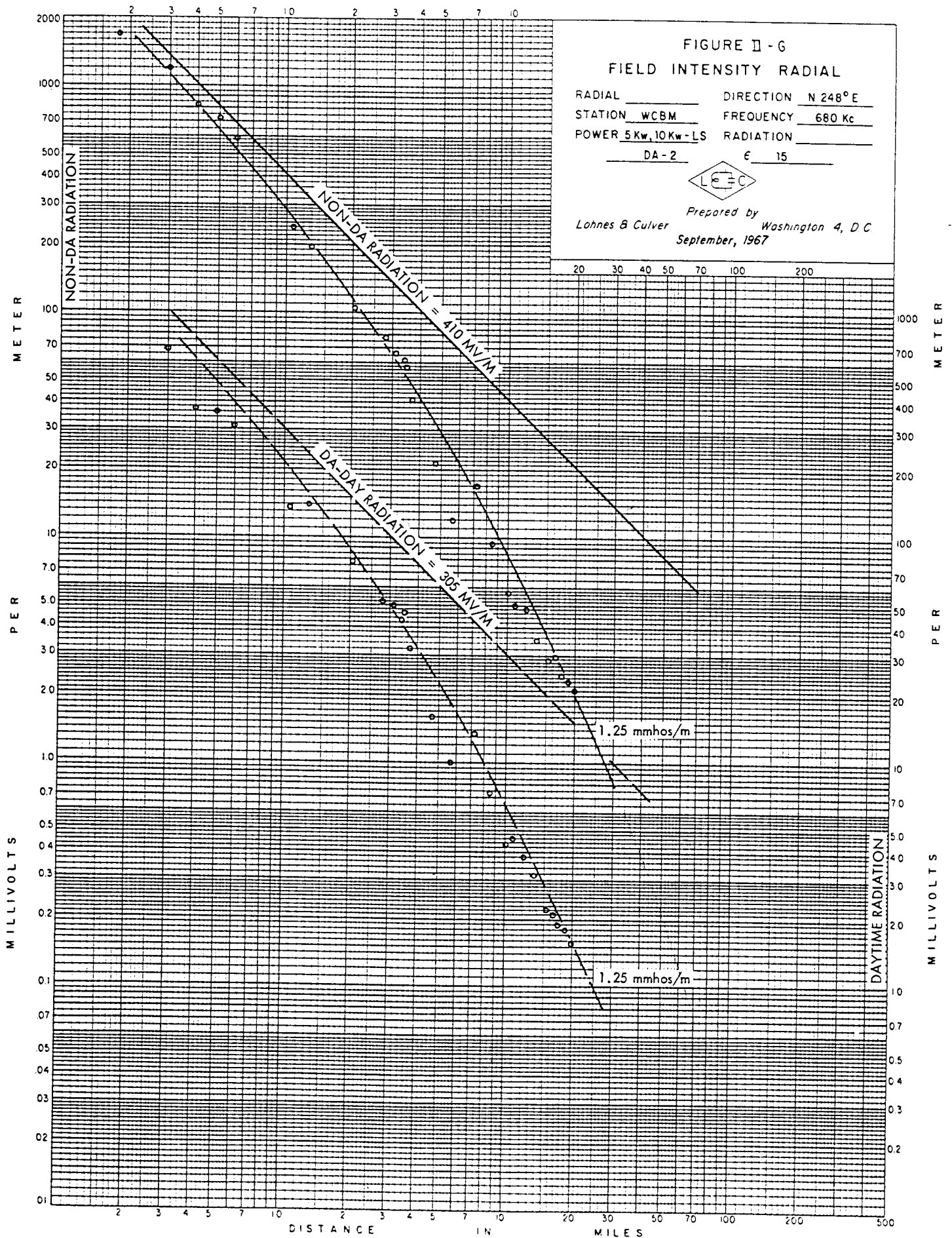
FIGURE II-G

FIELD INTENSITY RADIAL

RADIAL \_\_\_\_\_ DIRECTION N 248° E  
 STATION WCBM FREQUENCY 680 Kc  
 POWER 5 Kw, 10 Kw - LS RADIATION \_\_\_\_\_  
 \_\_\_\_\_ DA-2 \_\_\_\_\_ E 15



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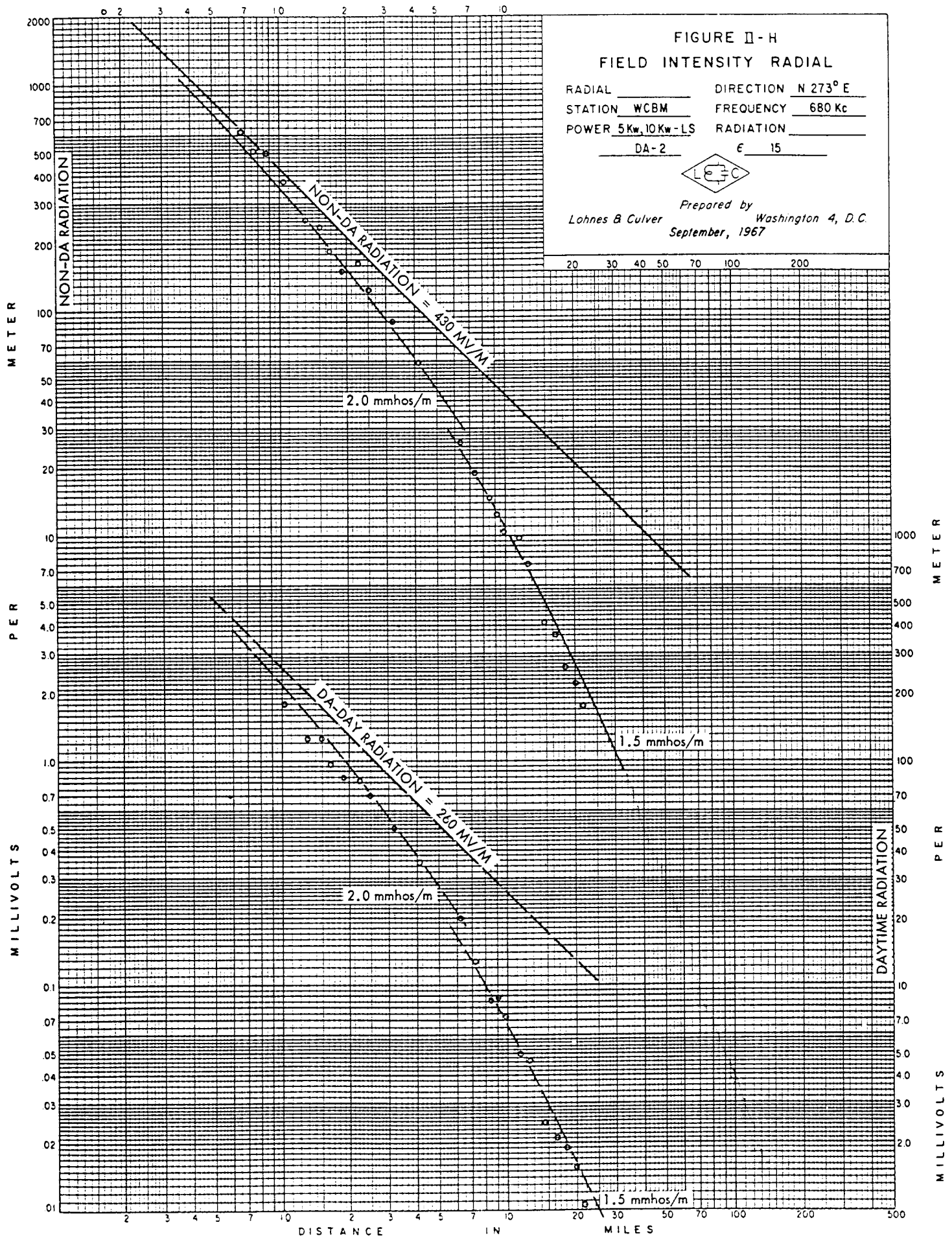
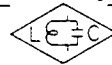


FIGURE II-H  
FIELD INTENSITY RADIAL

RADIAL \_\_\_\_\_ DIRECTION N 273° E  
STATION WCBM FREQUENCY 680 Kc  
POWER 5Kw, 10Kw-LS RADIATION \_\_\_\_\_  
DA-2 E 15



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METER

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METER

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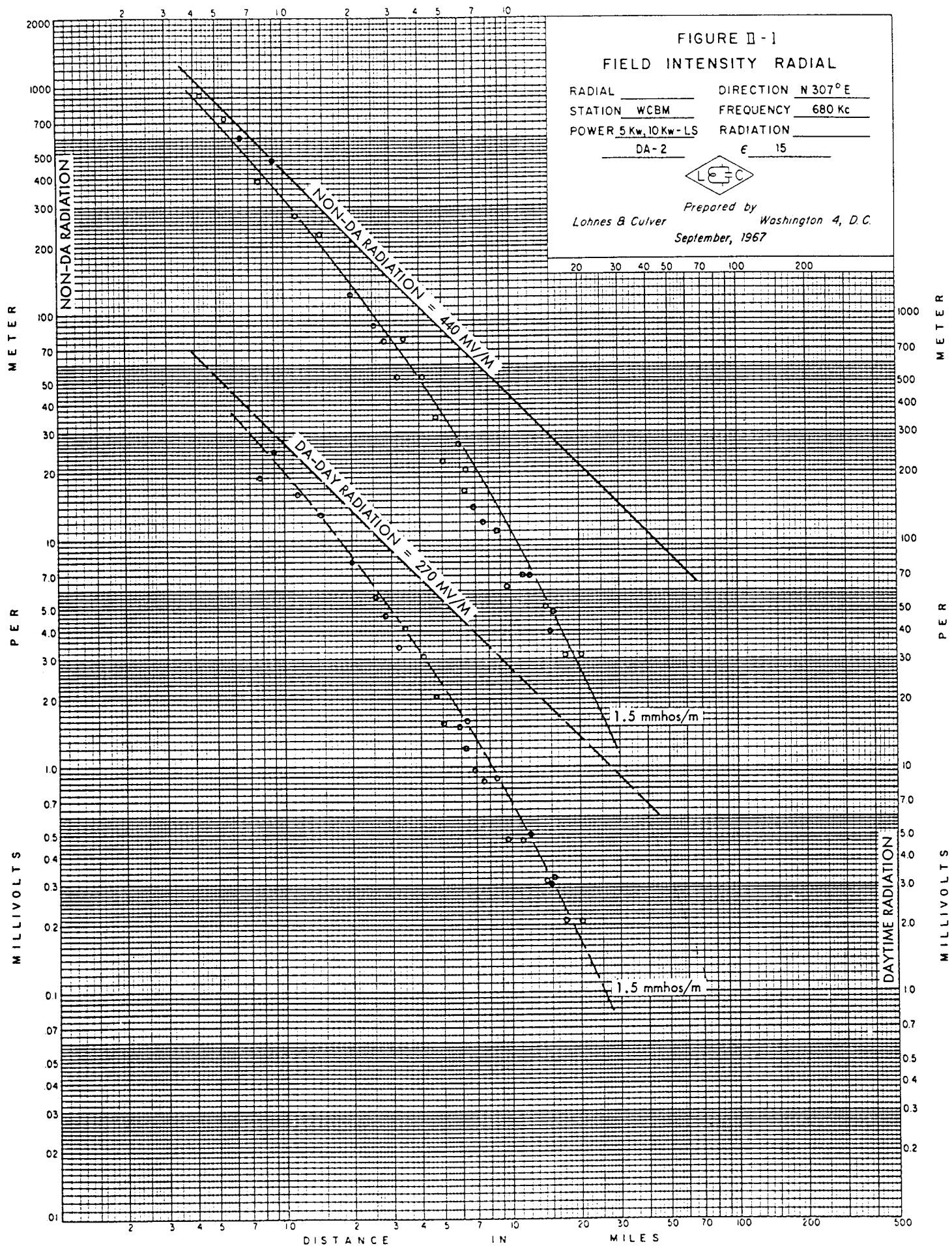


FIGURE I-1

FIELD INTENSITY RADIAL

RADIAL \_\_\_\_\_ DIRECTION N 307° E  
STATION WCBM FREQUENCY 680 Kc  
POWER 5 Kw, 10 Kw - LS RADIATION \_\_\_\_\_  
DA-2 ε 15

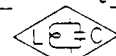


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September, 1967

FIGURE II-J

FIELD INTENSITY RADIAL

RADIAL	DIRECTION	N 341° E
STATION WCBM	FREQUENCY	680 Kc
POWER 5Kw, 10Kw-LS	RADIATION	
DA-2	ε	15



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