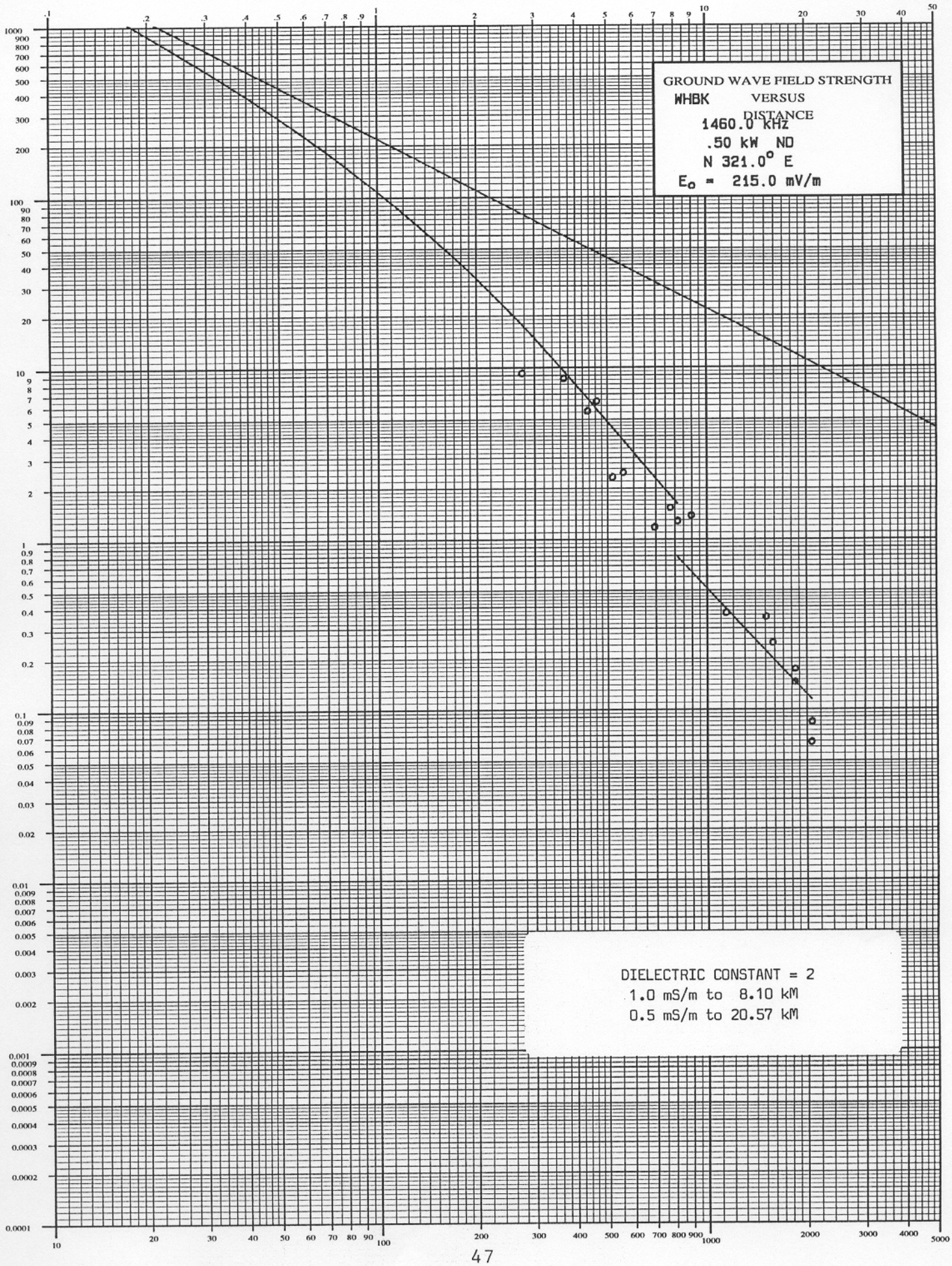
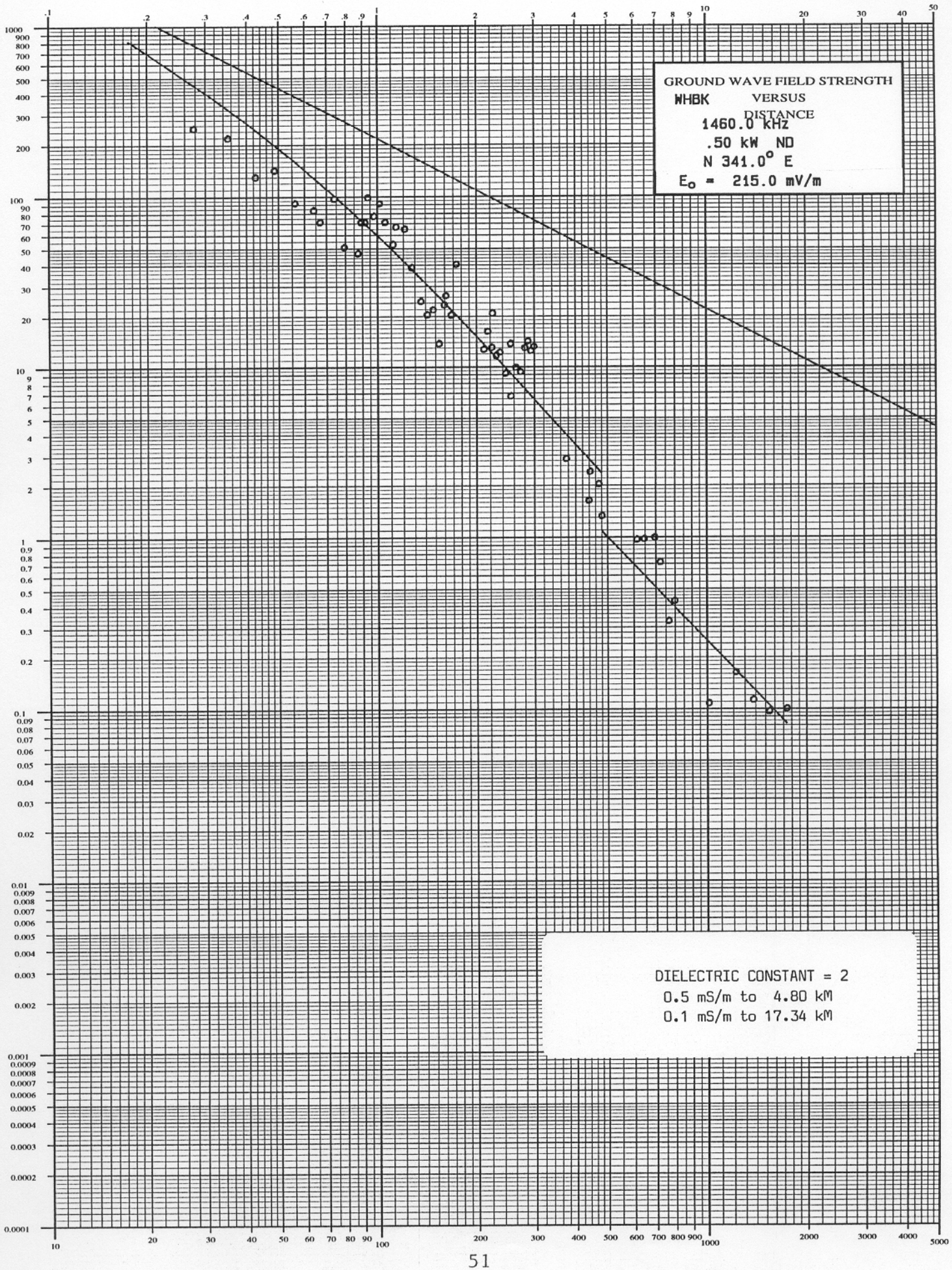

GROUND WAVE FIELD STRENGTH
WHBK VERSUS DISTANCE
1460.0 kHz
.50 kW ND
N 321.0° E
E_o = 215.0 mV/m
DIELECTRIC CONSTANT = 2
1.0 mS/m to 8.10 kM
0.5 mS/m to 20.57 kM


GROUND WAVE FIELD STRENGTH
WHBK VERSUS DISTANCE
1460.0 kHz
.50 kW ND
N 341.0° E
E_o = 215.0 mV/m
DIELECTRIC CONSTANT = 2
0.5 mS/m to 4.80 kM
0.1 mS/m to 17.34 kM

WHBK, MARSHALL, NORTH CAROLINA

GROUND CONDUCTIVITY

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	680.14	.1M	5.4	.5M	7.3	.1M	15.0	2.0E	37.8
		4.0E	122.1	2.0E	405.2	8.0E	646.2		
5.0	680.14	.1M	5.4	.5M	7.3	.1M	15.0	2.0E	40.2
		4.0E	126.2	2.0E	426.8	8.0E	646.2		
10.0	680.14	.1M	5.4	.5M	7.3	.1M	15.0	2.0E	43.2
		4.0E	131.7	2.0E	424.4	4.0E	467.7	8.0E	646.2
15.0	680.14	1.5M	2.5	1.0M	6.0	.5M	21.9	2.0E	47.1
		4.0E	138.8	2.0E	435.6	4.0E	528.5	8.0E	646.2
20.0	680.14	1.5M	2.5	1.0M	6.0	.5M	21.9	2.0E	52.3
		4.0E	148.8	2.0E	462.6	4.0E	613.7	8.0E	646.2
25.0	680.14	1.5M	2.5	1.0M	6.0	.5M	21.9	2.0E	59.2
		4.0E	161.6	2.0E	491.9	4.0E	621.6	2.0E	646.2
30.0	680.14	1.0M	9.1	.5M	19.3	2.0E	68.9	4.0E	176.1
35.0	680.14	1.0M	9.1	.5M	19.3	2.0E	83.3	4.0E	179.8
40.0	680.14	1.0M	9.1	.5M	19.3	2.0E	106.5	4.0E	173.9
45.0	680.14	1.0M	9.1	.5M	19.3	2.0E	149.3	4.0E	164.2
50.0	680.14	1.5M	6.9	1.0M	9.0	.5M	26.7	2.0E	646.2
55.0	680.14	1.5M	6.9	1.0M	9.0	.5M	26.7	2.0E	573.0
60.0	680.14	1.5M	6.9	1.0M	9.0	.5M	26.7	2.0E	555.4
65.0	680.14	1.5M	6.9	1.0M	9.0	.5M	26.7	2.0E	294.6
70.0	680.14	.5M	1.9	1.0M	17.9	.5M	23.5	2.0E	259.0
75.0	680.14	.5M	1.9	1.0M	17.9	.5M	23.5	2.0E	261.3
80.0	680.14	.5M	1.9	1.0M	17.9	.5M	23.5	2.0E	256.2
85.0	680.14	.5M	1.9	1.0M	17.9	.5M	23.5	2.0E	226.4
90.0	680.14	1.0M	8.8	.5M	25.4	2.0E	201.0	4.0E	364.6
95.0	680.14	1.0M	8.8	.5M	25.4	2.0E	193.7	4.0E	304.3
100.0	680.14	1.0M	8.8	.5M	25.4	2.0E	188.2	4.0E	276.8
105.0	680.14	1.0M	8.8	.5M	25.4	2.0E	182.3	4.0E	258.0
110.0	680.14	.5M	1.8	1.0M	6.7	1.5M	17.0	.5M	23.6
		2.0E	176.0	4.0E	244.5	2.0E	374.0	4.0E	478.2
115.0	680.14	.5M	1.8	1.0M	6.7	1.5M	17.0	.5M	23.6
		2.0E	170.5	4.0E	235.8	2.0E	347.5	4.0E	475.0
120.0	680.14	.5M	1.8	1.0M	6.7	1.5M	17.0	.5M	23.6
		2.0E	165.2	4.0E	229.4	2.0E	326.3	4.0E	427.5
125.0	680.14	1.0M	7.4	1.5M	12.6	.5M	30.2	2.0E	161.4
		4.0E	224.9	2.0E	308.2	4.0E	418.3	5000.0E	646.2
130.0	680.14	1.0M	7.4	1.5M	12.6	.5M	30.2	2.0E	159.0
		4.0E	222.3	2.0E	292.9	4.0E	412.7	5000.0E	415.3
135.0	680.14	1.0M	5.8	1.5M	20.0	.5M	23.3	2.0E	157.0
		4.0E	220.1	2.0E	281.0	4.0E	431.6	5000.0E	646.2
140.0	680.14	1.0M	5.8	1.5M	20.0	.5M	23.3	2.0E	153.4
		4.0E	219.6	2.0E	273.7	4.0E	424.8	5000.0E	428.0
145.0	680.14	1.0M	5.8	1.5M	20.0	.5M	23.3	2.0E	147.8
		4.0E	220.8	2.0E	269.8	4.0E	431.9	5000.0E	646.2
150.0	680.14	.5M	1.4	1.0M	20.1	.5M	26.5	2.0E	142.8
		4.0E	224.7	2.0E	271.8	4.0E	420.3	5000.0E	646.2
155.0	680.14	.5M	1.4	1.0M	20.1	.5M	26.5	2.0E	138.6
		4.0E	230.5	2.0E	281.8	4.0E	408.1	8.0E	412.2
160.0	680.14	.5M	1.4	1.0M	20.1	.5M	26.5	2.0E	135.7
		4.0E	238.5	2.0E	299.5	4.0E	435.1	8.0E	448.4
165.0	680.14	.5M	1.4	1.0M	20.1	.5M	26.5	2.0E	133.8
		4.0E	249.4	2.0E	323.8	4.0E	473.4	8.0E	476.6
170.0	680.14	1.0M	27.8	2.0E	133.0	4.0E	265.5	2.0E	342.7
175.0	680.14	1.0M	27.8	2.0E	133.9	4.0E	289.1	2.0E	328.3
180.0	680.14	1.0M	27.8	2.0E	137.7	4.0E	544.9	2.0E	644.0

WHBK GROUND CONDUCTIVITY...(continued)

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.							
185.0	680.14	1.0M	27.8	2.0E	142.8	4.0E	492.0	2.0E	646.2
190.0	680.14	2.0E	151.0	4.0E	498.1	2.0E	646.2		
195.0	680.14	2.0E	162.1	4.0E	575.6	2.0E	626.2	1.0E	646.2
200.0	680.14	2.0E	182.5	4.0E	607.2	2.0E	630.3	1.0E	646.2
205.0	680.14	2.0E	212.8	4.0E	252.2	1.0E	292.9	4.0E	304.3
210.0	680.14	2.0E	226.1	1.0E	325.9	4.0E	363.7	2.0E	376.1
215.0	680.14	2.0E	210.6	1.0E	262.1	2.0E	402.7	4.0E	569.1
220.0	680.14	2.0E	427.4	4.0E	483.7	8.0E	646.2		
225.0	680.14	2.0E	436.9	4.0E	535.7	8.0E	677.1		
230.0	680.14	2.0E	420.9	4.0E	557.0	2.0E	646.2		
235.0	680.14	2.0E	204.4	4.0E	516.1	2.0E	646.2		
240.0	680.14	2.0E	187.4	4.0E	341.4	2.0E	446.2	4.0E	501.0
245.0	680.14	2.0E	182.6	4.0E	281.8	2.0E	452.1	4.0E	500.4
250.0	680.14	2.0E	188.8	4.0E	248.9	2.0E	418.2	4.0E	517.2
255.0	680.14	2.0E	356.3	4.0E	576.6	2.0E	603.8	8.0E	646.2
260.0	680.14	2.0E	311.3	4.0E	587.6	8.0E	646.2		
265.0	680.14	2.0E	272.4	4.0E	591.5	8.0E	646.2		
270.0	680.14	2.0E	239.6	4.0E	597.9	8.0E	646.2		
275.0	680.14	.5M	2.5	1.0M	6.7	.5M	24.8	.1M	30.9
		2.0E	215.1	4.0E	598.0	8.0E	646.2		
280.0	680.14	.5M	2.5	1.0M	6.7	.5M	24.8	.1M	30.9
		2.0E	206.5	4.0E	593.9	8.0E	646.2		
285.0	680.14	.5M	2.5	1.0M	6.7	.5M	24.8	.1M	30.9
		2.0E	213.8	4.0E	457.3	8.0E	538.7	4.0E	589.0
290.0	680.14	.5M	2.5	1.0M	6.7	.5M	24.8	.1M	30.9
		2.0E	219.5	4.0E	429.9	8.0E	646.2		
295.0	680.14	.5M	1.8	1.0M	2.7	.5M	11.8	.1M	17.2
		2.0E	223.8	4.0E	417.7	8.0E	646.2		
300.0	680.14	.5M	1.8	1.0M	2.7	.5M	11.8	.1M	17.2
		2.0E	228.4	4.0E	415.3	8.0E	646.2		
305.0	680.14	.5M	1.8	1.0M	2.7	.5M	11.8	.1M	17.2
		2.0E	233.5	4.0E	420.9	8.0E	646.2		
310.0	680.14	.5M	1.8	1.0M	2.7	.5M	11.8	.1M	17.2
		2.0E	238.9	4.0E	429.0	8.0E	646.2		
315.0	680.14	1.0M	8.1	.5M	20.6	2.0E	31.2	4.0E	35.5
		2.0E	231.4	8.0E	245.3	4.0E	418.9	8.0E	646.2
320.0	680.14	1.0M	8.1	.5M	20.6	2.0E	30.9	4.0E	45.6
		2.0E	216.3	8.0E	255.1	4.0E	338.2	8.0E	646.2
325.0	680.14	1.0M	8.1	.5M	20.6	2.0E	30.9	4.0E	64.3
		2.0E	211.8	8.0E	272.5	4.0E	314.2	8.0E	646.2
330.0	680.14	1.0M	8.1	.5M	20.6	2.0E	31.2	4.0E	98.0
		2.0E	214.8	8.0E	552.8	15.0E	593.7	8.0E	646.2
335.0	680.14	.5M	4.8	.1M	17.3	2.0E	31.7	4.0E	117.5
		2.0E	224.9	8.0E	535.7	15.0E	606.2	8.0E	646.2
340.0	680.14	.5M	4.8	.1M	17.3	2.0E	32.4	4.0E	116.5
		2.0E	261.0	8.0E	519.7	15.0E	615.3	8.0E	646.2
345.0	680.14	.5M	4.8	.1M	17.3	2.0E	33.4	4.0E	116.4
		2.0E	320.4	8.0E	500.3	15.0E	567.6	8.0E	646.2
350.0	680.14	.5M	4.8	.1M	17.3	2.0E	34.5	4.0E	117.3
		2.0E	378.0	8.0E	491.8	15.0E	556.3	8.0E	646.2
355.0	680.14	.1M	5.4	.5M	7.3	.1M	15.0	2.0E	35.9
		4.0E	119.1	2.0E	396.0	8.0E	498.0	15.0E	646.2

Note: M denotes measured data; E denotes data from M-3

SOUTHERN BROADCASTING, INC.

MARSHALL, NORTH CAROLINA

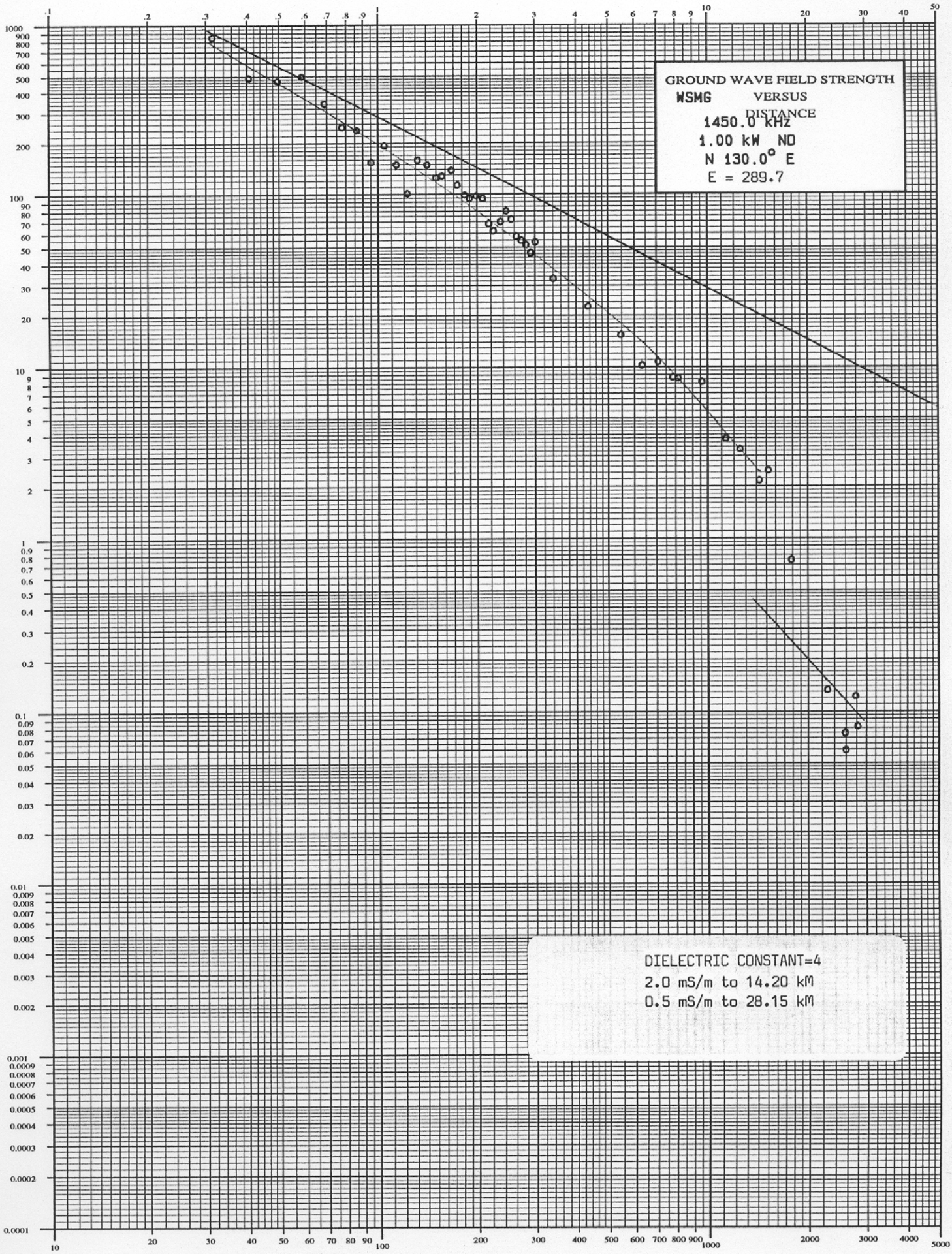
DISTANCES TO PROPOSED WHBK SIGNAL STRENGTH CONTOURS

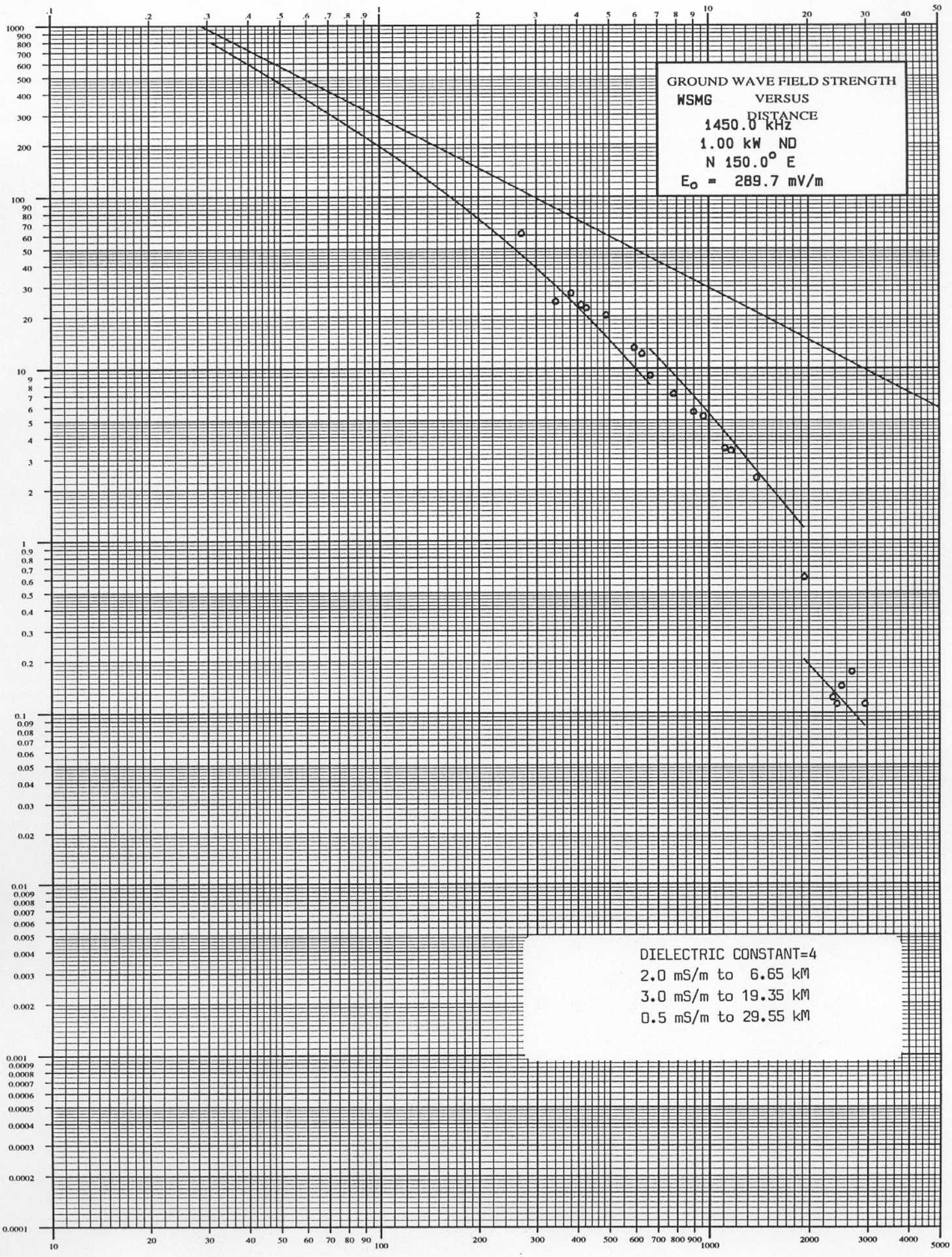
Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers : Contour levels in mV/m. 25.000	5.000	2.000	.500	.250	.025
.0	680.14	1.75	3.93	7.85	12.36	21.04	115.20
5.0	680.14	1.75	3.93	7.85	12.36	21.04	114.48
10.0	680.14	1.75	3.93	7.85	12.36	21.04	113.54
15.0	680.14	3.96	6.61	8.89	17.33	26.20	119.07
20.0	680.14	3.96	6.61	8.89	17.33	26.20	117.58
25.0	680.14	3.96	6.61	8.89	17.33	26.20	115.68
30.0	680.14	3.96	8.10	9.95	17.33	28.39	115.91
35.0	680.14	3.96	8.10	9.95	17.33	28.39	112.38
40.0	680.14	3.96	8.10	9.95	17.33	28.39	107.50
45.0	680.14	3.96	8.10	9.95	17.33	28.39	107.34
50.0	680.14	5.01	8.19	9.91	17.33	24.24	101.15
55.0	680.14	5.01	8.19	9.91	17.33	24.24	101.15
60.0	680.14	5.01	8.19	9.91	17.33	24.24	101.15
65.0	680.14	5.01	8.19	9.91	17.33	24.24	101.15
70.0	680.14	3.96	8.10	12.35	19.51	24.80	103.75
75.0	680.14	3.96	8.10	12.35	19.51	24.80	103.75
80.0	680.14	3.96	8.10	12.35	19.51	24.80	103.75
85.0	680.14	3.96	8.10	12.35	19.51	24.80	103.75
90.0	680.14	3.96	8.10	9.77	17.33	24.24	102.24
95.0	680.14	3.96	8.10	9.77	17.33	24.24	102.24
100.0	680.14	3.96	8.10	9.77	17.33	24.24	102.24
105.0	680.14	3.96	8.10	9.77	17.33	24.24	102.24
110.0	680.14	3.96	10.11	15.24	19.74	24.76	103.71
115.0	680.14	3.96	10.11	15.24	19.74	24.76	103.71
120.0	680.14	3.96	10.11	15.24	19.74	24.76	103.71
125.0	680.14	3.96	10.10	13.59	17.79	24.28	98.43
130.0	680.14	3.96	10.10	13.59	17.79	24.28	98.43
135.0	680.14	3.96	10.11	15.24	22.16	25.01	103.95
140.0	680.14	3.96	10.11	15.24	22.16	25.01	103.95
145.0	680.14	3.96	10.11	15.24	22.16	25.01	103.95
150.0	680.14	3.96	8.10	12.35	21.51	24.70	101.35
155.0	680.14	3.96	8.10	12.35	21.51	24.70	101.35
160.0	680.14	3.96	8.10	12.35	21.51	24.70	101.35
165.0	680.14	3.96	8.10	12.35	21.51	24.70	101.35
170.0	680.14	3.96	8.10	12.35	23.83	35.06	114.01
175.0	680.14	3.96	8.10	12.35	23.83	35.06	114.01
180.0	680.14	3.96	8.10	12.35	23.83	35.06	114.01
185.0	680.14	3.96	8.10	12.35	23.83	35.06	114.01
190.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
195.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
200.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
205.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
210.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
215.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
220.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
225.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
230.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
235.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40

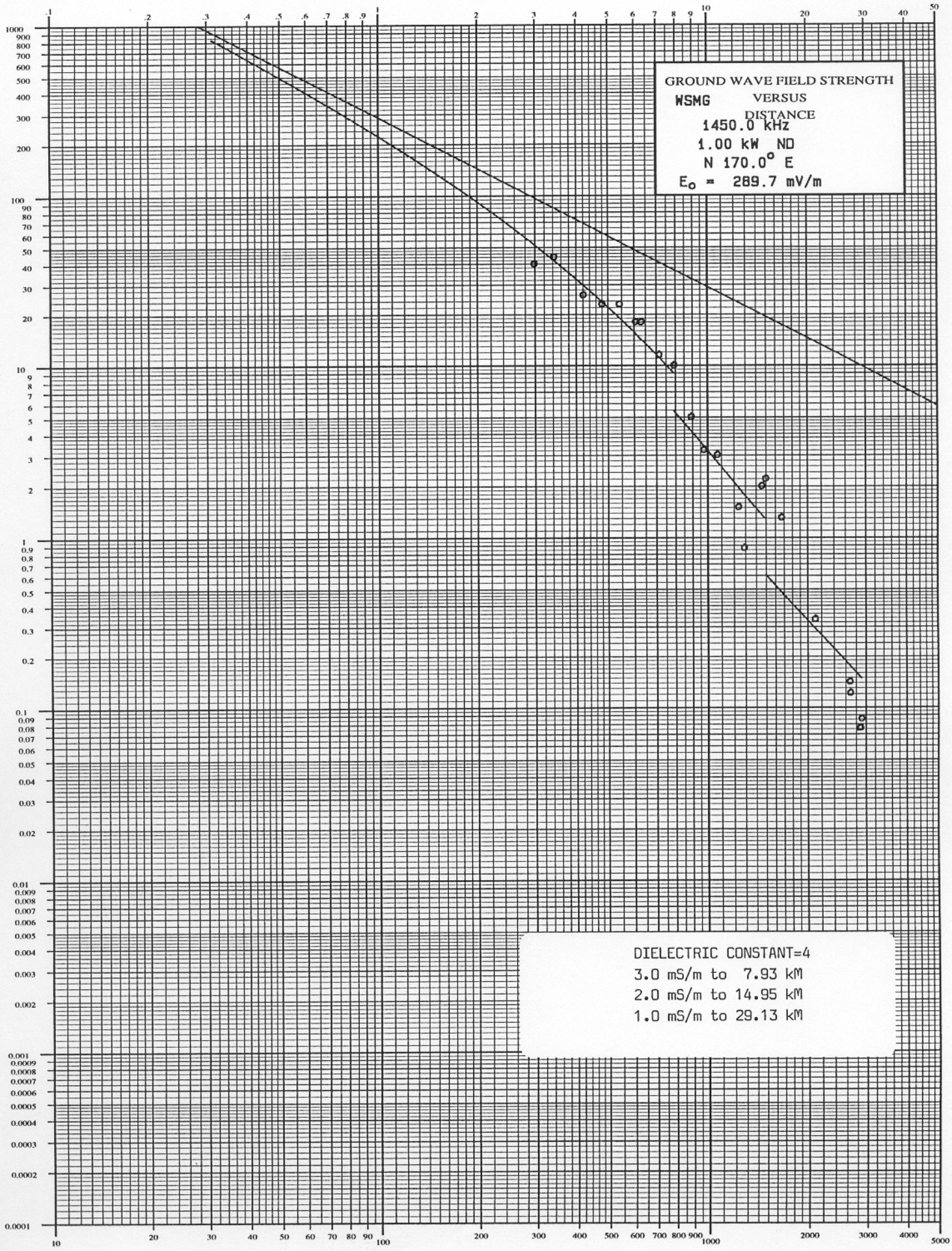
DISTANCES TO PROPOSED WHBK SIGNAL STRENGTH CONTOURS...(continued)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers : Contour levels in mV/m. 25.000	5.000	2.000	.500	.250	.025
240.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
245.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
250.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
255.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
260.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
265.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
270.0	680.14	5.65	12.39	19.01	36.35	50.13	134.40
190.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
195.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
200.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
205.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
210.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
215.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
220.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
225.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
230.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
235.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
240.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
245.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
250.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
255.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
260.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
265.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
270.0	680.14	5.91	11.90	17.77	33.60	46.30	125.24
275.0	680.14	3.41	7.19	8.95	17.33	24.24	77.66
280.0	680.14	3.41	7.19	8.95	17.33	24.24	77.66
285.0	680.14	3.41	7.19	8.95	17.33	24.24	77.66
290.0	680.14	3.41	7.19	8.95	17.33	24.24	77.66
295.0	680.14	3.03	5.73	8.86	13.32	17.70	96.65
300.0	680.14	3.03	5.73	8.86	13.32	17.70	96.65
305.0	680.14	3.03	5.73	8.86	13.32	17.70	96.65
310.0	680.14	3.03	5.73	8.86	13.32	17.70	96.65
315.0	680.14	3.96	8.10	9.35	17.33	27.28	107.36
320.0	680.14	3.96	8.10	9.35	17.33	27.28	109.88
325.0	680.14	3.96	8.10	9.35	17.33	27.28	114.11
330.0	680.14	3.96	8.10	9.35	17.33	27.28	120.90
335.0	680.14	2.71	5.15	6.31	12.36	17.50	112.48
340.0	680.14	2.71	5.15	6.31	12.36	17.50	112.24
345.0	680.14	2.71	5.15	6.31	12.36	17.50	111.92
350.0	680.14	2.71	5.15	6.31	12.36	17.50	111.57
355.0	680.14	1.75	3.93	7.85	12.36	21.04	115.80

Note: Azimuths from 190° to 270° are calculated using a dielectric constant of 15; all other azimuths are included in measured radials and are calculated using a dielectric constant of 2. See the narrative for additional information.


GROUND WAVE FIELD STRENGTH
WSMG VERSUS DISTANCE
1450.0 kHz
1.00 kW ND
N 130.0° E
E = 289.7
DIELECTRIC CONSTANT=4
2.0 mS/m to 14.20 kM
0.5 mS/m to 28.15 kM


GROUND WAVE FIELD STRENGTH
WSMG VERSUS DISTANCE
1450.0 kHz
1.00 kW ND
N 150.0° E
E_o = 289.7 mV/m
DIELECTRIC CONSTANT=4
2.0 mS/m to 6.65 kM
3.0 mS/m to 19.35 kM
0.5 mS/m to 29.55 kM


GROUND WAVE FIELD STRENGTH
WSMG VERSUS DISTANCE
1450.0 kHz
1.00 kW ND
N 170.0° E
E_o = 289.7 mV/m
DIELECTRIC CONSTANT=4
3.0 mS/m to 7.93 kM
2.0 mS/m to 14.95 kM
1.0 mS/m to 29.13 kM