

EXHIBIT 10.1
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PROPOSED DAYTIME FACILITIES
WCBM Maryland, Inc.
Baltimore, MD

The proposed WCBM daytime facilities will operate at a power level of 50 kilowatts utilizing the same six tower directional antenna system authorized by construction permit BP-19971222AC, but with modified electrical parameters. Table 10.1.0 presents a complete description of the proposed daytime antenna system. Table 10.1.1 is a tabulation of the proposed WCBM daytime directional pattern. This pattern is shown in polar form in Figure 10.1.1.

Table 10.1.2 presents a tabulation of the daytime service contours for the licensed WCBM facilities, which were projected using conductivity data extracted from the WCBM 1967 full proof of performance as well as conductivity data extracted from previous 301 applications for WINR - Binghamton, New York and WPHE 301 - Phoenixville, Pennsylvania. This measured conductivity data was supplemented with conductivity data extracted from FCC Figure M3.

Table 10.1.3 presents a tabulation of the daytime service contours for the facilities authorized by the WCBM construction permit. Finally Table 10.1.4 lists the daytime service contours for the proposed modified WCBM daytime facilities. Extensive field strength measurements were conducted from the new transmitter site authorized by the WCBM construction permit. This measured conductivity data is contained in Appendix M to Exhibit 14 of the attached application. This measured conductivity data, supplemented with theoretical conductivity data extracted from FCC Figure M3, was used in projecting the daytime service contours for both the daytime facilities authorized by the

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WCBM construction permit and the modified daytime facilities proposed in the attached application.

Figure 10.1.2 depicts the 1000 mV/m daytime contour for the licensed WCBM facilities. The 1000 mV/m daytime contours for both the construction permit facilities and the proposed facilities are shown in Figure 10.1.3. Figure 10.1.4 depicts the 5 mV/m contours for the licensed, construction permit, and proposed WCBM daytime facilities in relation to the Baltimore city limits. As shown in this figure, the proposed 5 mV/m daytime contour will encompass the entire city of Baltimore, as required by Section 73.24(i) of the FCC Rules. Finally, Figure 10.1.5 shows the 2 mV/m and 0.5 mV/m contours for the licensed, construction permit, and proposed daytime facilities.

TABLE 10.1.0

**WCBM PROPOSED DAYTIME
DIRECTIONAL ANTENNA SYSTEM**

WCBM Maryland, Inc.
Baltimore, MD

Power:	50 kilowatts, directional		
Type of elements:	Vertical, uniform cross section, guyed and base insulated, series excited.		
Height above insulators:	96° electrical, 385.7' (117.6 m) physical		
Overall height above ground:	#1 - 392.3' (119.6 m) AGL, 872' (265.9 m) MSL #2 - 392.3' (119.6 m) AGL, 873' (266.2 m) MSL #3 - 392.3' (119.6 m) AGL, 892' (272.0 m) MSL #4 - 392.3' (119.6 m) AGL, 874' (266.5 m) MSL #5 - 392.3' (119.6 m) AGL, 892' (272.0 m) MSL #6 - 392.3' (119.6 m) AGL, 892' (272.0 m) MSL		
Antenna Structure	#1 - 1209103		
Registration Numbers:	#2 - 1209117 #3 - 1209118 #4 - 1209119 #5 - 1209120 #6 - 1209121		
Orientation and spacing:	<u>Tower</u>	<u>Bearing</u>	<u>Spacing</u>
	1	Reference	
	2	25°	199.9° (244.8m)
	3	22.7°	393.6° (482.0 m)
	4	88.5°	89.5° (109.6m)
	5	42.8°	246.8° (302.2 m)
	6	32.4°	440.8° (539.8 m)
Electrical parameters:	<u>Tower</u>	<u>Field Ratio</u>	<u>Phase</u>
	1	0.490	56.7°
	2	0.972	109.0°
	3	0.521	115.1°
	4	0.562	-38.6°
	5	1.000	0.0°
	6	0.756	19.3°

TABLE 10.1.0 (cont'd)

Ground system:	120 equally spaced radials of #10 AWG copper wire, each 110 meters in length buried about each tower. These radials are truncated where they intersect a transverse copper strap running midway between adjacent towers or the property boundary. In addition, a 10 m x 10 m expanded copper mesh screen is installed at the base of each tower.
Predicted efficiency:	2206.25 mV/m at 1 km RMS (Standard)
Location:	North Latitude: 39° 22' 27" West Longitude: 76° 51' 29"

STANDARD PATTERN PARAMETERS

POWER: 50.000 kW

TOWER	ELECTRICAL HEIGHT (Degrees)	FIELD RATIO	SPACING (Degrees)	BEARING (Degrees)	PHASE (Degrees)	REF FLAG
1	96.0	0.490	0.0	0.0	56.7	
2	96.0	0.972	199.9	25.0	109.0	
3	96.0	0.521	393.6	22.7	115.1	
4	96.0	0.562	89.5	88.5	-38.6	
5	96.0	1.000	246.8	42.8	0.0	
6	96.0	0.756	440.8	32.4	19.3	

ARRAY LOSS ANALYSIS

LOOP RESISTANCE (Ohms)	THEORETICAL RMS (mV/m @ 1 km)
0.0	2137.63
0.5	2118.57
1.0	2100.00
1.5	2081.92
2.0	2064.29
2.5	2047.11
3.0	2030.35
3.5	2013.99
4.0	1998.02

PAT. - MULT. (K): 1512.81 mV/m @ 1 km
 ARRAY RSS : 2766.29 mV/m @ 1 km
 ARRAY Q TERM : 70.7107 mV/m @ 1 km
 STANDARD RMS : 2206.25 mV/m @ 1 km
 RSS/RMS RATIO : 1.32

TABLE 10.1.1

WCBM PROPOSED 680 kHz, 50 kW
DAYTIME STANDARD RADIATION PATTERN

WCBM Maryland, Inc.
 Baltimore, MD

STANDARD PATTERN
HORIZONTAL RADIATION

BEARING (Degrees)	RADIATION (mV/m @ 1 km)	BEARING (Degrees)	RADIATION (mV/m @ 1 km)
0.0	728.1	180.0	984.2
5.0	608.3	185.0	987.0
10.0	528.4	190.0	958.5
15.0	509.1	195.0	910.7
20.0	536.2	200.0	853.3
25.0	580.8	205.0	793.0
30.0	629.5	210.0	733.0
35.0	690.0	215.0	674.5
40.0	781.1	220.0	617.3
45.0	913.5	225.0	561.0
50.0	1076.9	230.0	505.9
55.0	1242.7	235.0	455.6
60.0	1374.4	240.0	419.1
65.0	1439.9	245.0	412.2
70.0	1428.9	250.0	448.1
75.0	1386.7	255.0	522.8
80.0	1456.9	260.0	614.6
85.0	1819.9	265.0	696.6
90.0	2498.7	270.0	744.1
95.0	3377.7	275.0	740.5
100.0	4319.9	280.0	682.8
105.0	5197.1	285.0	586.8
110.0	5895.9	290.0	491.4
115.0	6327.0	295.0	445.8
120.0	6437.1	300.0	460.3
125.0	6215.7	305.0	489.6
130.0	5695.8	310.0	494.5
135.0	4946.4	315.0	479.8
140.0	4059.9	320.0	493.0
145.0	3136.8	325.0	577.8
150.0	2273.6	330.0	715.3
155.0	1557.2	335.0	852.7
160.0	1070.1	340.0	948.0
165.0	868.2	345.0	979.2
170.0	877.2	350.0	942.8
175.0	942.5	355.0	850.9

RADIATION MAXIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
66.6	1444.1
119.1	6442.0
182.8	990.3
272.2	749.4
308.3	496.3
344.7	979.3

RADIATION MINIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
14.1	508.3
75.8	1385.1
166.9	855.7
243.5	410.1
295.9	444.8
316.5	478.0

TABLE 10.1.1 (Cont'd)

mV/m
at 1 km

NL - 39°22'27"
WL - 76°51'29"

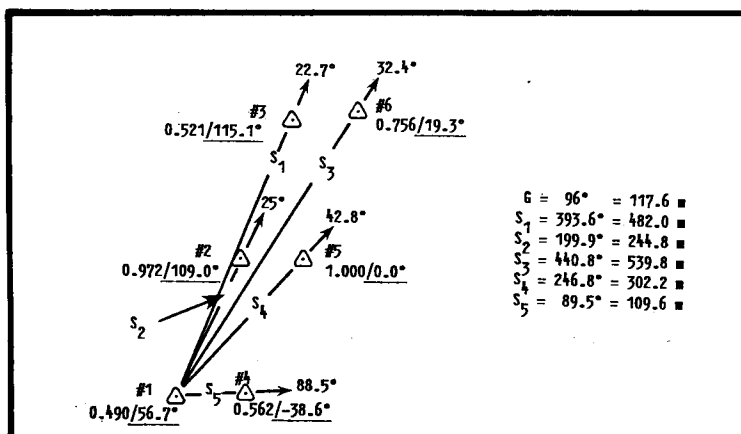
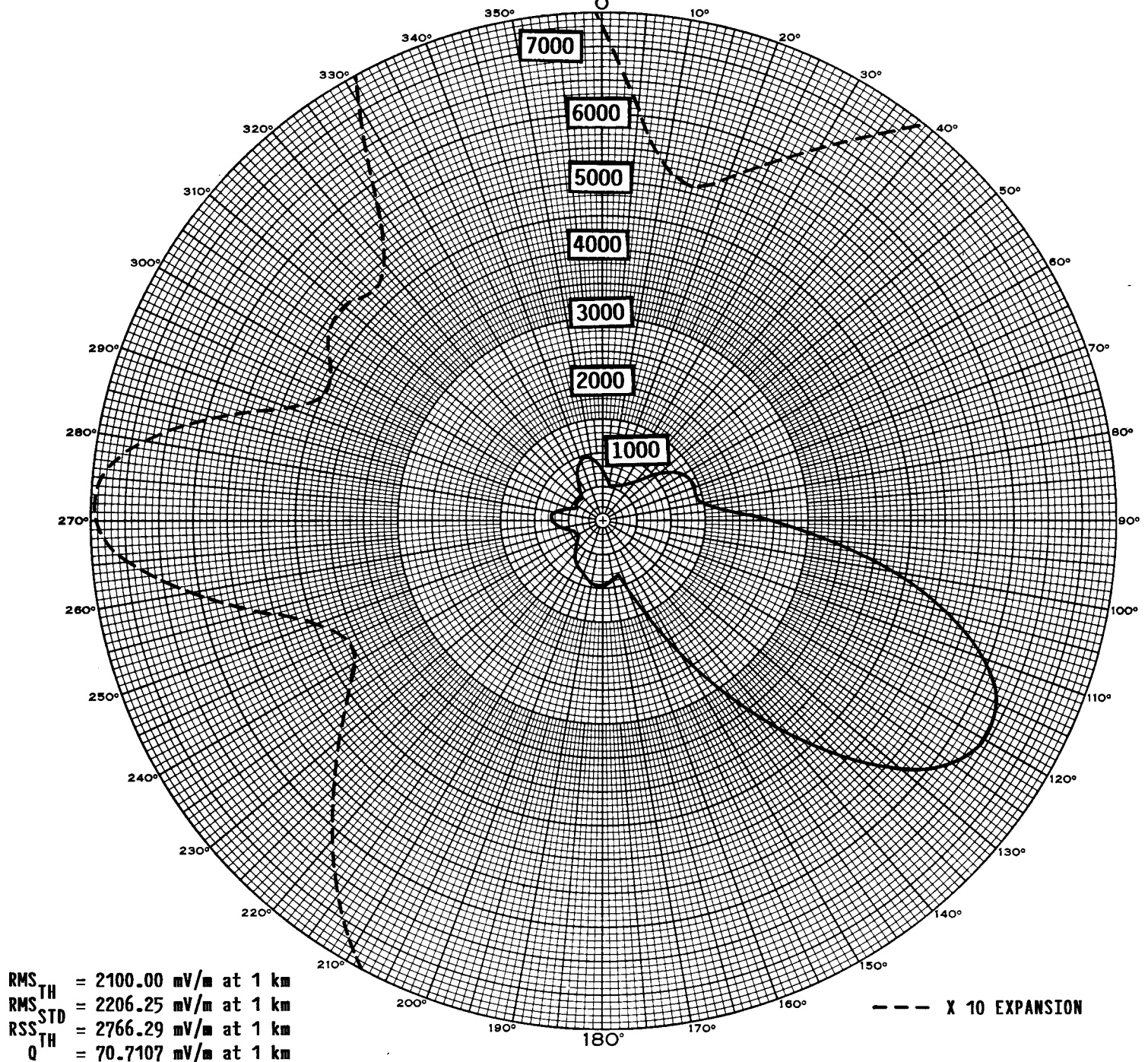


FIG. 10.1.1

WCBM PROPOSED 680 kHz, 50 kW
DAYTIME STANDARD
HORIZONTAL PLANE PATTERN

WCBM Maryland, Inc.
Baltimore, MD

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
330/659-4440

TABLE 10.1.2

WCBM(LIC) DAYTIME
SERVICE CONTOURS
WCBM Baltimore, Inc.
Baltimore, MD

Azimuth (Degrees)	Radiation (mV/m at 1 km)	Conductivities (mmhos/m/ending distance (km))	1000 mV/m Contour (km)	5 mV/m Contour (km)	2 mV/m Contour (km)	0.5 mV/m Contour (km)
0	567.8	1**	0.47	17.85	27.56	52.09
5	551.3	1**	0.46	17.59	27.19	51.40
10	514.2	1**	0.43	17.00	26.32	49.79
15	460.8	1**	0.39	---	---	---
		1.5** 1** } avg.	---	16.10	---	---
		1**	---	---	25.01	47.36
20	417.3	1**	0.36	---	---	---
		1.5** 1** } avg.	---	16.10	---	---
		1**	---	---	23.87	45.26
25	401.0	1***	0.34	15.02	23.43	44.44
30	409.4	1***	0.35	15.18	23.66	44.86
35	433.4	1***	0.37	15.62	24.30	46.05
40	458.8	1*/30.4,4	0.39	16.07	24.96	62.18
45	471.7	1*/30.4,4	0.40	16.29	25.28	63.26
50	457.3	1*/30.4,4	0.39	16.04	24.92	62.05
55	417.8	1*/30.4,4	0.36	15.34	23.89	58.61

TABLE 10.1.2 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
60	378.2	1***	0.32	14.59	22.79	43.27
65	383.7	1***	0.33	14.69	22.95	43.55
70	474.1	1***	0.40	16.33	25.34	47.98
75	641.1	2***	0.58	27.18	41.45	75.66
80	849.7	2***	0.76	31.07	46.93	85.37
85	1075.2	2***	0.94	34.63	52.00	94.39
90	1301.0	2***	1.12	37.76	56.48	102.33
95	1515.3	2***	1.28	40.43	60.33	109.13
100	1709.5	2***	1.43	42.65	63.55	114.77
105	1877.3	2/13.8, 4/35.9, 40/41.5, 4/41.7, 40/51.1, 4/121.9, 5000/164.9 ,4/177.4 ,5000	1.55	71.21	101.93	276.07
110	2014.4	2/13.6, 4/32.8, 40/49.5, 4/135.1, 5000	1.65	74.42	105.90	290.64
115	2118.2	2/13.6, 4/27.6, 40/28.9, 4/34.4, 40/50, 4/66.5, 40/67.4, 4/162.4, 5000	1.73	76.63	108.64	227.05
120	2186.8	1.5*	1.66	---	---	---
		3*/33.5, 40/51.1, 4/59.3, 40/59.5, 4/64.1, 40/66.8, 4/164, 2/172.4, 5000	---	79.15	111.51	206.07
125	2219.5	1.5*	1.68	---	---	---
		3*/33.5, 4/36.4, 40/54.5, 4/60.6, 40/66.7, 4/149.7, 2	---	82.47	114.99	180.25

TABLE 10.1.2 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
130	2215.8	1.5* 3*/33.5, 40/70.4, 4/137.4, 2	1.68 ---	--- 91.27	--- 123.77	--- 183.98
135	2175.9	1.5* 3*/33.5, 40/68.1, 4/74.1, 40/83.3, 4/126.2, 2	1.66 ---	--- 95.78	--- 127.58	--- 183.92
140	2100.2	2/15, 4/20.1, 40/28.6, 4/30.6, 40/37.5, 4/42.5, 40/77.2, 4/78, 40/80.3, 4/86.9, 40/88, 4/117.5, 2	1.71	100.46	128.28	183.85
145	1989.6	2/15.7, 4/18, 40/22.8, 4/24.9, 40/29.1, 4/33.2, 40/35.9, 4/44.7, 40/51.8, 4/53.4, 40/76, 4/91.1, 40/96.4, 4/110.7, 2/140, 5000/140.9, 2	1.63	90.21	121.32	176.50
150	1846.1	2/16.5, 4/28.6, 40/29.8, 4/41.2, 40/42.9, 4/53.6, 40/80.2, 4/82.7, 40/100.9, 4/106, 2/133.6, 5000/137.7, 2/145.4, 5000/154.4, 2/161.5, 5000/165, 2/170.1, 5000/172.9, 2/184.3, 5000/189.9, 2	1.53	79.65	118.77	191.67
155	1672.6	1.5* 2*/32.2, 4/44.4, 40/50.5, 4/60.6, 40/103.9, 5000/107.8, 2/136.7, 5000/203.7, 2/205.3, 5000/207.7, 2	1.32 ---	--- 51.73	--- 113.56	--- 220.56
160	1473.9	1.5* 2*/32.2, 4/37.4, 40/38.1, 4/54.8, 40/57.1, 4/61.9, 40/65.9, 4/68.5, 40/100.2, 5000/220.7, 2/226.7, 5000/227.3, 2/239.2, 5000	1.18 ---	--- 44.35	--- 99.82	--- 298.05

TABLE 10.1.2 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
165	1256.4	1.5* 2*/32.2, 4/76.4, 40/77.4, 4/87.2, 40/97.5, 5000/111.5, 4/122.6, 5000/127.2, 4/129.6, 5000/139.3, 4/148.8, 5000/170.6, 4/172.8, 5000	1.03 ---	--- 39.73	--- 66.62	--- 174.76
170	1029.6	1.5* 2*/32.2, 4/110.3, 5000/116.7, 4	0.86 ---	--- 34.87	--- 60.07	--- 121.58
175	806.0	1.5* 2*/32.2, 4/110.3, 5000, 107.1, 4	0.69 ---	--- 30.31	--- 52.59	--- 109.00
180	603.4	2/24.9, 4	0.55	27.20	48.41	95.46
185	448.0	2/28.2, 4	0.41	22.78	39.03	81.60
190	371.9	2/32.8, 4	0.35	20.71	32.39	72.24
195	377.7	2/40, 4	0.35	20.88	32.63	69.16
200	423.5	1.5*/33.5, 2/53, 4	0.38	18.97	29.41	59.50
205	462.5	1.5*/33.5, 2	0.41	19.82	30.63	60.12
210	470.7	1.5*/33.5, 2	0.42	19.99	30.87	60.62
215	453.6	1.5*/33.5, 2	0.41	19.63	30.36	59.58
220	428.4	2	0.40	22.27	34.57	63.61
225	406.6	2	0.38	21.68	33.75	62.20
230	403.2	2	0.37	21.59	33.62	61.97
235	424.4	2	0.39	22.16	34.43	63.36

TABLE 10.1.2 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
240	469.8	1.5*/32.2, 2	0.42	19.98	30.85	60.77
245	523.5	1.5*/32.2, 2	0.46	21.07	32.44	63.93
250	557.8	1.5*/32.2, 2	0.49	21.73	33.54	65.85
255	568.9	1.5*/32.2, 2	0.50	21.94	33.88	66.46
260	562.0	2	0.51	25.50	39.09	71.50
265	543.2	2*	0.50	---	---	---
		1.5*/34.9, 2	---	21.45	32.95	64.63
270	516.1	2*	0.47	---	---	---
		1.5*/34.9, 2	---	20.93	32.20	63.09
275	484.8	2*	0.45	---	---	---
		1.5*/34.9, 2	---	20.29	31.29	61.26
280	455.2	2*	0.42	---	---	---
		1.5*/34.9, 2	---	19.67	30.40	59.46
285	441.3	2	0.41	22.60	35.04	64.43
290	442.6	2	0.41	22.64	35.09	64.51
295	447.3	2	0.41	22.76	35.26	64.81
300	454.0	1.5*/32.5, 2	0.41	19.64	30.37	59.76
305	458.2	1.5*/32.5, 2	0.41	19.73	30.50	60.02
310	457.7	1.5*/32.5, 2/44.4, 4/52.3, 2	0.41	19.72	30.48	62.37
315	452.8	1.5*/32.5, 2/36.1, 4/56.3, 2	0.41	19.61	30.33	65.91

TABLE 10.1.2 (cont'd)

320	446.0	2/32.9, 4/58.7, 2	0.41	22.73	36.40	73.08
325	442.2	2/30.5, 4/60.3, 2	0.41	22.63	37.49	74.23
330	441.5	2/28.6, 4/62.5, 2	0.41	22.61	38.47	75.56
335	449.4	2*/34, 4/65.3, 2	0.42	22.81	36.02	74.88
340	472.0	2*/34, 4/69, 2	0.44	23.38	37.23	77.33
345	508.0	2*/34, 4/73.7, 2	0.47	24.26	39.06	80.79
350	545.2	2*/34, 4/80.5, 2	0.50	25.12	40.87	84.78
355	565.5	1**	0.47	17.81	27.51	52.00

*Measured conductivity data extracted from WCBM 1967 Full Proof of Performance and reproduced in Appendix N to Exhibit 14 of the attached application.

**Measured conductivity data extracted from WINR August 1981 301 (BP-19810812AM).

***Measured conductivity data extracted from WPHE (formerly WYIS) 301 application for 0.5 kW daytime operation (BP-20,598).

All other conductivity data extracted from FCC Figure M3.

TABLE 10.1.3

WCBM(CP) DAYTIME
SERVICE CONTOURS
WCBM Baltimore, Inc.
Baltimore, MD

Azimuth (Degrees)	Radiation (mV/m at 1 km)	Conductivities (mmhos/m/ending distance (km))	1000 mV/m Contour (km)	5 mV/m Contour (km)	2 mV/m Contour (km)	0.5 mV/m Contour (km)
0	249.5	1*	0.22	11.76	18.68	35.76
5	122.4	1*	0.12	7.93	13.09	25.73
10	185.7	1*	0.17	10.03	16.16	31.21
15	311.0	1*	0.27	13.20	20.77	39.56
20	400.4	1.5*	0.36	---	---	---
		1*	---	15.01	23.41	---
		0.5*	---	---	---	35.31
25	433.1	1.5*	0.39	---	---	---
		1*	---	15.62	24.29	---
		0.5*	---	---	---	36.66
30	404.0	1.5*	0.36	---	---	---
		1*	---	15.08	23.51	---
		0.5*	---	---	---	35.46
35	322.0	1.5*	0.29	---	---	---
		1*	---	13.44	21.12	---
		0.5*	---	---	---	31.82
40	230.0	1*	0.20	11.26	17.96	34.44
45	249.1	1*	0.22	11.75	18.67	35.73

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
50	399.1	1*	0.34	14.99	23.38	44.34
55	566.3	1*	0.47	17.82	27.53	52.03
60	680.5	1*	0.55	19.48	29.97	56.57
65	692.1	1*	0.56	19.64	30.21	57.01
70	569.4	1* 0.5*	0.47 ---	17.87 ---	27.60 ---	--- 41.74
75	372.5	1* 0.5*	0.32 ---	14.48 ---	22.63 ---	--- 34.12
80	585.2	1* 0.5*	0.48 ---	18.11 ---	27.95 ---	--- 42.28
85	1274.6	1* 0.5* 1*	0.95 --- ---	26.22 --- ---	--- 31.66 ---	--- --- 75.16
90	2181.9	2/20.2, 4/43.8, 40/45, 4/49.6, 40/52.2, 4/54.7, 40/78.9, 4/116.6, 5000/126.8, 4	1.77	81.93	114.26	195.51
95	3204.5	2/19.5, 4/42.5, 40/46.4, 4/49.9, 40/59.8, 4/124.3, 5000/143.2, 4/192.1, 5000	2.46	84.28	121.23	275.29
100	4245.5	2/19, 4/38.4, 40/56.9, 4/127.2, 5000/171.4, 4/185.2, 5000	3.11	97.93	172.14	433.38
105	5200.3	2/18.7, 4/33.9, 40/35.1, 4/39.5, 40/54.9, 4/132.3, 5000/170.5, 4/178.7, 5000	3.66	104.67	177.10	473.60

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
110	5967.3	2/18.5, 4/37.9, 40/55.3, 4/71.4, 40/72.4, 4/145.9, 5000	4.08	111.75	190.09	492.19
115	6463.3	2/18.4, 4/40.6, 40/56.2, 4/64, 40/65.2, 4/68.2, 40/71.2, 4/171.4, 5000	4.34	116.35	163.58	446.96
120	6636.7	2/18.4, 4/23.2, 40/61.2, 4/64.9, 40/70.6, 4/160.3, 2/181.5, 5000	4.43	133.56	176.55	463.01
125	6476.5	2/18.5, 4/20.2, 40/31.3, 4/32.8, 40/73, 4/146.4, 2/185.2, 5000	4.35	137.40	175.84	447.31
130	6013.0	2/18.5, 4/27.9, 40/31.1, 4/34.4, 40/39.2, 4/45.1, 40/72.5, 4/77.2, 40/85.8, 4/132.3, 2/191.6, 5000/192.6, 2/193.8, 5000	4.11	130.46	166.09	381.37
135	5311.3	2/18.7, 4/30.2, 40/31.1, 4/36.4, 40/36.7, 4/46.4, 40/82, 4/88.8, 40/90, 4/121.5, 2/193.7, 5000	3.72	121.20	154.71	328.69
140	4458.6	2/18.9, 4/41.4, 40/42.5, 4/53.1, 40/77.9, 4/92.4, 40/97.7, 4/113.1, 2/199.9, 5000	3.24	109.27	141.44	251.22
145	3548.9	2/19.4, 4/43.7, 40/81.4, 4/83.9, 40/102.4, 4/107.2, 2/142.9, 5000/146.7, 2/153, 5000/155.4, 2/209.9, 5000	2.68	115.36	146.80	232.91
150	2668.5	2/20, 4/56.5, 40/100.4, 4/100.6, 40/104.2, 5000/108.4, 2/142.7, 5000/174.8, 2/183.5, 5000/201.9, 2/224.6, 5000	2.11	98.41	131.73	258.50
155	1886.5	2/20.8, 4/69.7, 40/99.7, 5000/107.3, 2/123.9, 5000/208.4, 2/227.7, 5000	1.56	56.88	113.05	263.98

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
160	1250.5	2/21.9, 4/87, 40/96.2, 5000/114.3, 4/119, 5000/233.6, 2	1.08	45.22	72.07	239.51
165	791.6	2/23.3, 4	0.71	33.76	56.91	108.54
170	531.7	1*	0.44	17.28	26.73	50.56
175	454.7	1*	0.38	16.00	24.85	47.07
180	466.0	1*	0.39	16.19	25.14	47.60
185	485.5	1*	0.41	16.53	25.63	---
		1.5*	---	---	---	58.16
190	490.2	1*	0.41	16.61	25.74	---
		1.5*	---	---	---	58.40
195	481.4	1*	0.40	16.46	25.52	---
		1.5*	---	---	---	57.94
200	465.3	1.5*	0.42	---	---	---
		1*	---	16.18	25.12	---
		0.5*	---	---	---	37.93
205	446.5	1.5*	0.40	---	---	---
		1*	---	15.85	24.64	---
		0.5*	---	---	---	37.19
210	427.8	1.5*	0.38	---	---	---
		1*	---	15.52	24.15	---
		0.5*	---	---	---	36.44

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
215	410.0	1.5*	0.37	---	---	---
		1*	---	15.19	23.67	---
		0.5*	---	---	---	35.71
220	393.2	1*	0.34	14.88	23.21	44.05
225	376.5	1*	0.32	14.55	22.74	43.18
230	357.6	1*	0.31	14.18	22.20	42.17
235	332.4	1*	0.29	13.66	21.44	40.78
240	295.7	2	0.28	18.34	29.10	54.20
245	243.7	2	0.23	16.51	26.52	49.83
250	177.8	1*	0.16	---	---	---
		0.5*	---	7.44	12.07	---
		1*/30.1,2	---	---	---	30.76
255	115.7	1*	0.12	---	---	---
		0.5*	---	5.85	9.66	19.43
260	113.8	1*	0.11	---	---	---
		0.5*	---	5.79	9.58	19.27
265	173.1	0.5*	0.14	---	---	---
		1*/21.8,2	---	9.65	15.61	33.43
270	228.6	0.5*	0.19	---	---	---
		1*/21.8,2	---	11.23	17.91	39.00
275	249.9	0.5*	0.20	---	---	---
		1*/21.8,2	---	11.77	18.69	40.92

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
280	227.6	0.5*	0.19	---	---	---
		1*/21.8,2	---	11.20	17.86	38.90
285	173.8	1*/24.4,2	0.16	9.67	15.64	32.47
290	143.5	1*/24.4,2	0.13	8.69	14.20	28.96
295	196.9	1*/24.4,2	0.18	10.36	16.64	34.89
300	277.8	1*/24.4,2	0.24	12.45	19.67	42.25
305	330.4	1.5*	0.30	---	---	---
		1.5*} } avg.	---	15.00	---	---
		0.5*}	---	---	16.47	35.93
		0.5*/26.2,2	---	---	---	---
310	337.7	1.5*	0.31	---	---	---
		1.5*} } avg.	---	15.00	---	---
		0.5*}	---	---	16.64	36.46
		0.5*/26.2,2	---	---	---	---
315	315.0	1.5*	0.29	---	---	---
		1*/24.3,2	---	13.29	20.90	45.25
320	314.5	1.5*	0.29	---	---	---
		1*/24.3,2/42.3,4	---	13.28	20.88	46.42
325	381.4	1.5*	0.35	---	---	---
		1*/24.3,2/35.9,4/55.8,2	---	14.65	22.88	55.94
330	489.8	1.5*	0.44	---	---	---
		1*	---	16.60	25.73	---
		1.5*	---	---	---	58.38

TABLE 10.1.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
335	587.0	1.5*	0.52	---	---	---
		1*	---	18.14	27.99	---
		1.5*	---	---	---	63.25
340	636.9	1.5*	0.56	---	---	---
		1*	---	18.87	29.07	---
		1.5*	---	---	---	65.57
345	622.6	1*	0.51	---	---	---
		0.5*	---	14.31	22.44	43.54
350	543.2	1*	0.45	---	---	---
		0.5*	---	13.36	21.00	40.82
355	410.7	1*	0.35	---	---	---
		0.5*	---	11.59	18.33	35.74

*Measured conductivity from Appendix M to Exhibit 14 of the attached application.

All other conductivity data extracted from FCC Figure M3.

TABLE 10.1.4

WCBM PROPOSED
DAYTIME SERVICE CONTOURS

WCBM Baltimore, Inc.
Baltimore, MD

Azimuth (Degrees)	Radiation (mV/m at 1 km)	Conductivities (mmhos/m/ending distance (km))	1000 mV/m Contour (km)	5 mV/m Contour (km)	2 mV/m Contour (km)	0.5 mV/m Contour (km)
0	728.1	1*	0.59	20.13	30.93	58.34
5	608.3	1*	0.50	18.46	28.46	53.76
10	528.4	1*	0.44	17.23	26.66	50.42
15	509.1	1*	0.43	16.92	26.20	49.56
20	536.2	1.5*	0.47	---	---	---
		1*	---	17.35	---	---
		1* } 0.5* } } avg.	---	---	25.00	---
		0.5*	---	---	---	40.57
25	580.8	1.5*	0.51	---	---	---
		1*	---	18.05	---	---
		1* } 0.5* } } avg.	---	---	25.00	---
		0.5*	---	---	---	42.14
30	629.5	1.5*	0.55	---	---	---
		1*	---	18.76	---	---
		1* } 0.5* } } avg.	---	---	25.00	---
		0.5*	---	---	---	43.77

TABLE 10.1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
35	690.0	1.5*	0.60	---	---	---
		1*	---	19.61	---	---
		1* } 0.5* } } avg.	---	---	25.00	---
		0.5*	---	---	---	45.71
40	781.1	1*	0.62	20.82	31.94	60.23
45	913.5	1*	0.72	22.42	34.33	64.67
50	1076.9	1*	0.82	24.23	37.03	69.67
55	1242.7	1*	0.93	25.91	39.54	74.31
60	1374.4	1*	1.02	---	---	---
		1*/68.3,4	---	27.15	41.41	83.88
65	1439.9	1*	1.06	---	---	---
		1*/68.3,4	---	27.75	42.30	86.55
70	1428.9	1*	1.05	27.65	---	---
		0.5*	---	---	33.44	---
		1*	---	---	---	79.10
75	1386.7	1*	1.02	27.27	---	---
		0.5*	---	---	32.96	---
		1*	---	---	---	78.05
80	1456.9	1*	1.07	27.90	---	---
		0.5*	---	---	33.75	---
		1*	---	---	---	79.79

TABLE 10.1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
85	1819.9	1*	1.28	---	---	---
		1* } 0.5* } } avg.	---	28.00	---	---
		0.5*	---	---	37.52	---
		1*	---	---	---	88.10
90	2498.7	2/20.2, 4/43.8, 40/45, 4/49.6, 40/52.2, 4/54.7, 40/78.9, 4/116.6, 5000/126.8, 4/203.4, 5000	1.99	86.10	127.95	207.16
95	3377.7	2/19.5, 4/42.5, 40/46.4, 4/49.9, 40/59.8, 4/124.3, 5000/143.2, 4/192.1, 5000	2.57	86.10	123.74	286.62
100	4319.9	2/19, 4/38.4, 40/56.9, 4/127.2, 5000/171.4, 4/185.2, 5000	3.15	98.59	173.04	437.13
105	5197.1	2/18.7, 4/33.9, 40/35.1, 4/39.5, 40/54.9, 4/132.3, 5000/170.5, 4/178.7, 5000	3.66	104.64	177.06	473.47
110	5895.9	2/18.5, 4/37.9, 40/55.3, 4/71.4, 40/72.4, 4/145.9, 5000	4.04	111.24	187.46	489.53
115	6327.0	2/18.4, 4/40.6, 40/56.2, 4/64, 40/65.2, 4/68.2, 40/71.2, 4/171.4, 5000	4.27	115.42	162.31	442.17
120	6437.1	2/18.4, 4/23.2, 40/61.2, 4/64.9, 40/70.6, 4/160.3, 2/181.5, 5000	4.33	132.23	175.12	456.12
125	6215.7	2/18.5, 4/20.2, 40/31.3, 4/32.8, 40/73, 4/146.4, 2/185.2, 5000	4.21	135.62	173.93	438.10

TABLE 10.1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
130	5695.8	2/18.5, 4/27.9, 40/31.1, 4/34.4, 40/39.2, 4/45.1, 40/72.5, 4/77.2, 40/85.8, 4/132.3, 2/191.6, 5000/192.6, 2/193.8, 5000	3.93	128.17	163.64	369.45
135	4946.4	2/18.7, 4/30.2, 40/31.1, 4/36.4, 40/36.7, 4/46.4, 40/82, 4/88.8, 40/90, 4/121.5, 2/193.7, 5000	3.52	118.33	151.66	312.60
140	4059.9	2/18.9, 4/41.4, 40/42.5, 4/53.1, 40/77.9, 4/92.4, 40/97.7, 4/113.1, 2/199.9, 5000	3.00	105.73	137.70	230.81
145	3136.8	2/19.4, 4/43.7, 40/81.4, 4/83.9, 40/102.4, 4/107.2, 2/142.9, 5000/146.7, 2/153, 5000/155.4, 2	2.42	112.32	139.20	208.90
150	2273.6	2/20, 4/56.5, 40/100.4, 4/100.6, 40/104.2, 5000/108.4, 2/142.7, 5000/174.8, 2/183.5, 5000/201.9, 2	1.84	80.09	126.61	224.48
155	1557.2	2/20.8, 4/69.7, 40/99.7, 5000/107.3, 2/123.9, 5000/208.4, 2	1.31	51.54	107.79	226.66
160	1070.1	2/21.9, 4/87, 40/96.2, 5000/114.3, 4/119, 5000	0.93	41.40	66.91	230.97
165	868.2	2/23.3, 4/109.4, 5000/119.8, 4	0.77	35.80	59.65	120.89
170	877.2	1*	0.69	22.00	33.70	63.49
175	942.5	1*	0.74	22.76	34.83	---
		1* } 0.5* } } avg.	---	---	---	65.00

TABLE 10.1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
180	984.2	1*	0.76	23.22	35.53	---
		1* } 0.5* } } avg.	---	---	---	65.00
185	987.0	1*	0.76	23.26	35.57	66.97
190	958.5	1*	0.75	22.94	35.10	66.10
195	910.7	1*	0.71	22.39	34.28	---
		1.5* } 1* } } avg.	---	---	---	65.00
200	853.3	1.5*	0.73	---	---	---
		1*	---	21.71	---	---
		1* } 0.5* } } avg.	---	---	30.00	---
		0.5*	---	---	---	50.52
205	793.0	1.5*	0.68	---	---	---
		1*	---	20.97	---	---
		1* } 0.5* } } avg.	---	---	30.00	---
		0.5*	---	---	---	48.81
210	733.0	1.5*	0.63	---	---	---
		1*	---	20.19	---	---
		1* } 0.5* } } avg.	---	---	30.00	---
		0.5*	---	---	---	47.03

TABLE 10.1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
215	674.5	1.5*	0.59	---	---	---
		1*	---	19.40	29.85	---
		0.5*	---	---	---	45.22
220	617.3	1*	0.51	18.59	28.65	54.12
225	561.0	1*	0.46	17.74	27.41	51.81
230	505.9	1*	0.42	16.87	26.12	49.42
235	455.6	1*	0.38	16.01	24.87	47.11
240	419.1	2	0.39	22.02	34.23	63.01
245	412.2	2	0.38	21.83	33.97	62.56
250	448.1	1*	0.38	---	---	---
		0.5*	---	12.12	19.13	---
		1*/30.1,2	---	---	---	52.23
255	522.8	1*	0.44	---	---	---
		0.5*	---	13.11	---	---
		1*/30.1,2	---	---	26.52	56.68
260	614.6	1*	0.50	---	---	---
		0.5*	---	14.22	---	---
		1*/30.1,2	---	---	28.59	61.67
265	696.6	0.5*	0.49	---	---	---
		1*/21.8,2	---	19.70	33.54	68.95
270	744.1	0.5*	0.52	---	---	---
		1*/21.8,2	---	20.34	34.81	71.20

TABLE 10.1.4 (cont'd)

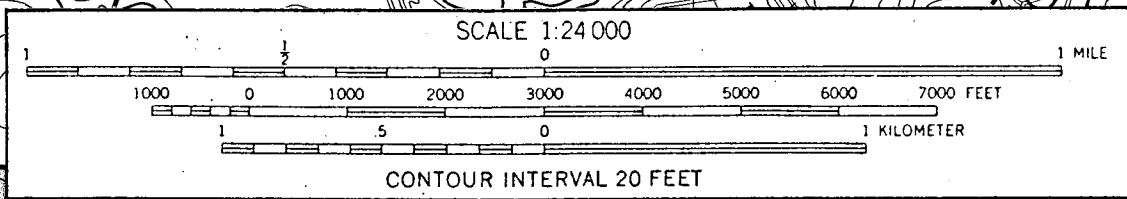
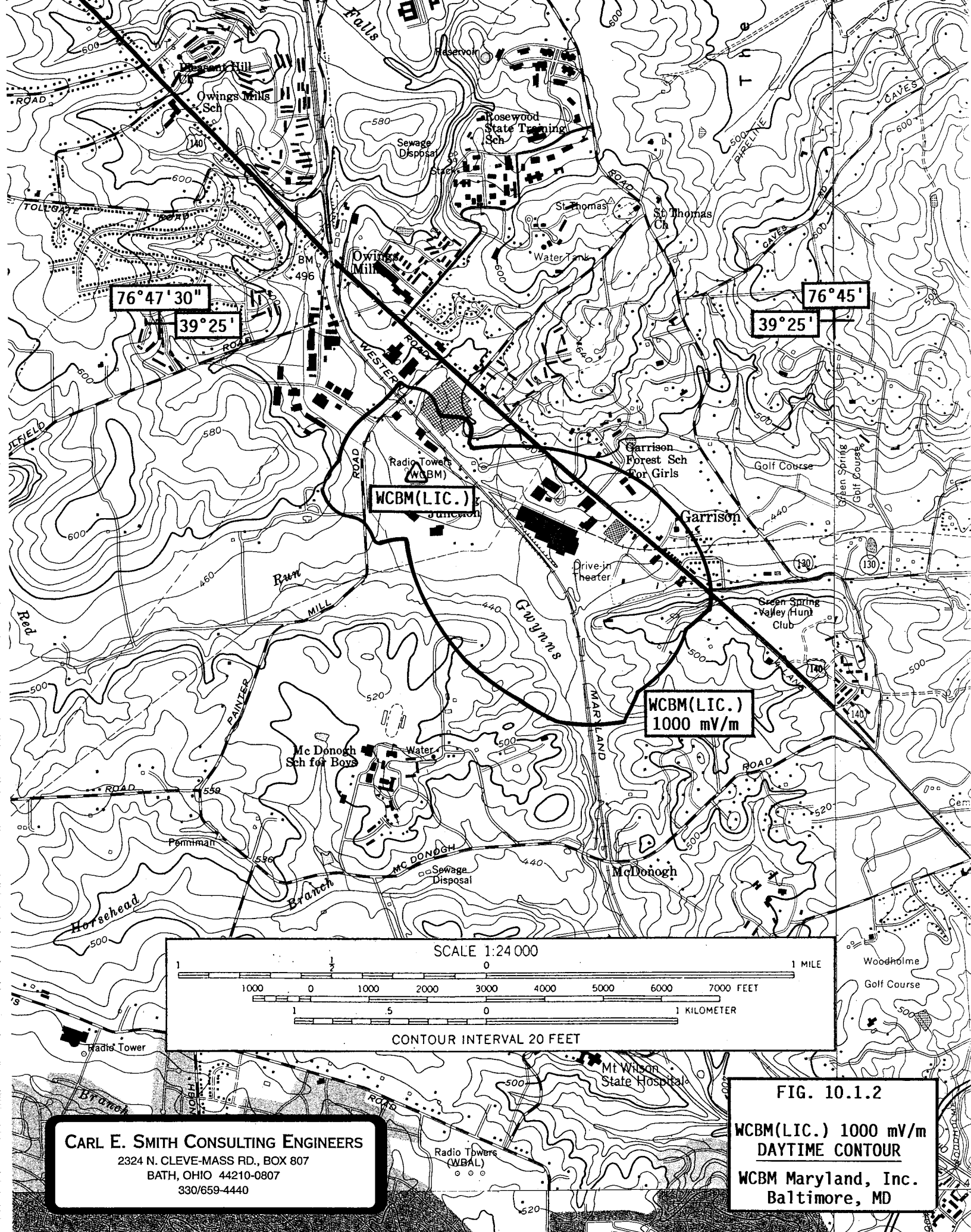
<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>1000 mV/m Contour (km)</u>	<u>5 mV/m Contour (km)</u>	<u>2 mV/m Contour (km)</u>	<u>0.5 mV/m Contour (km)</u>
275	740.5	0.5* 1*/21.8,2	0.52 ---	--- 20.29	--- 34.72	--- 71.03
280	682.8	0.5* 1*/21.8,2	0.48 ---	--- 19.52	--- 33.16	--- 68.28
285	586.8	1*/24.4,2	0.48	18.14	29.35	62.34
290	491.4	1*/24.4,2	0.41	16.63	26.30	56.99
295	445.8	1*/24.4,2	0.38	15.84	24.71	54.22
300	460.3	1*/24.4,2	0.39	16.09	25.22	55.12
305	489.6	1.5* 1.5*} 0.5*} } avg. 0.5*/26.2,2	0.44 --- ---	--- 15.00 ---	--- --- 19.97	--- --- 46.44
310	494.5	1.5* 1.5*} 0.5*} } avg. 0.5*/26.2,2	0.44 --- ---	--- 15.00 ---	--- --- 20.07	--- --- 46.73
315	479.8	1.5* 1*/24.3,2	0.43 ---	--- 16.43	--- 25.94	--- 56.34
320	493.0	1.5* 1*/24.3,2/42.3,4/52.9,2	0.44 ---	--- 16.64	--- 26.40	--- 60.20
325	577.8	1.5* 1*/24.3,2/35.9,4/55.8,2	0.51 ---	--- 18.00	--- 29.12	--- 67.79

TABLE 10.1.4 (cont'd)

330	715.3	1.5*	0.62	---	---	---
		1*	---	19.96	30.67	---
		1.5*	---	---	---	69.01
335	852.7	1.5*	0.73	---	---	---
		1*	---	21.70	33.26	---
		1.5*	---	---	---	74.56
340	948.0	1.5*	0.80	---	---	---
		1*	---	22.82	34.92	---
		1.5*	---	---	---	78.11
345	979.2	1*	0.76	---	---	---
		0.5*	---	17.91	27.91	---
		1*	---	---	---	66.74
350	942.8	1*	0.74	---	---	---
		0.5*	---	17.58	27.41	---
		1*	---	---	---	65.60
355	850.9	1*	0.67	---	---	---
		0.5*	---	16.71	26.09	---
		1*	---	---	---	62.62

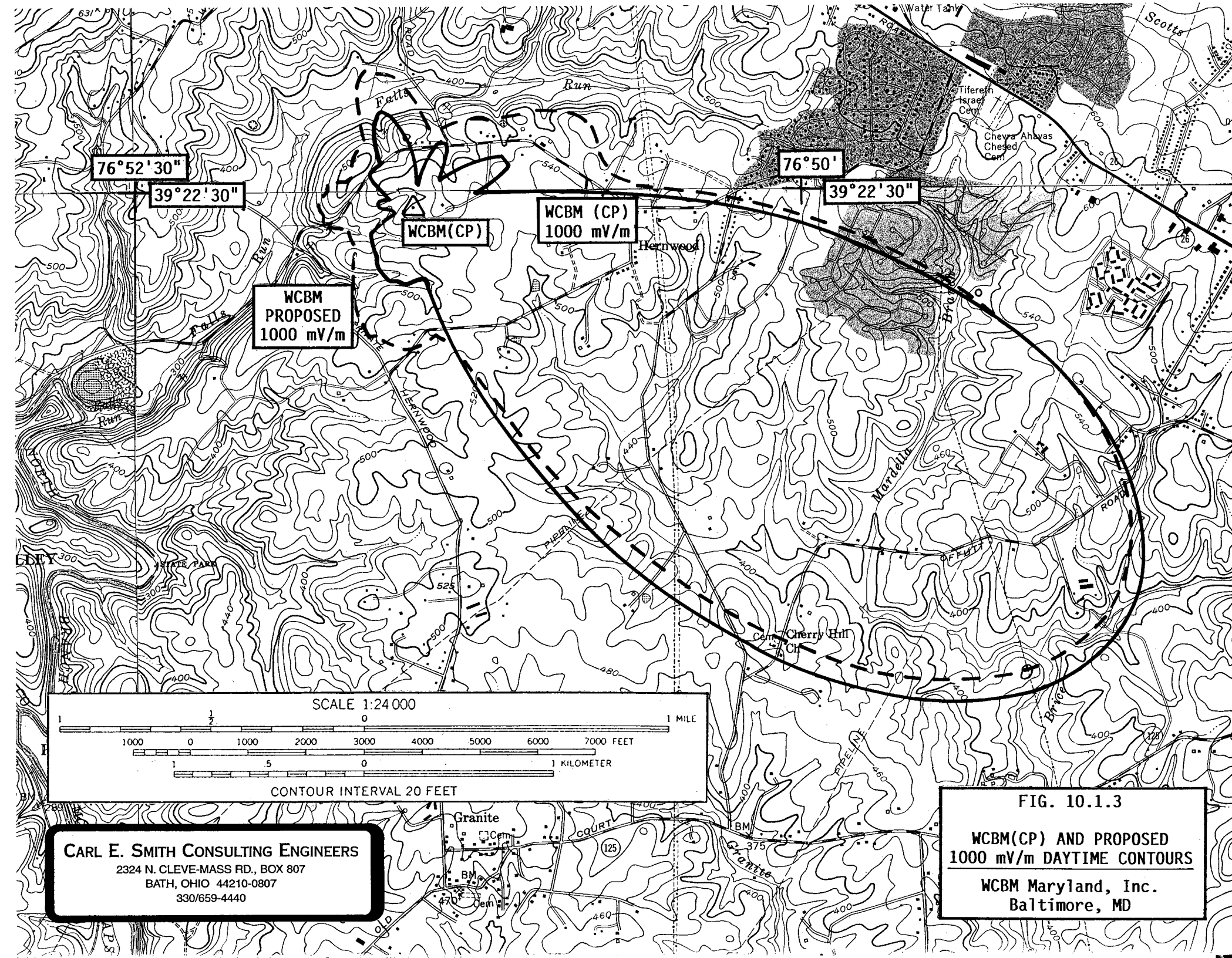
*Measured conductivity data from Appendix M to Exhibit 14 of the attached application.

All other conductivity data extracted from FCC Figure M3.



CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
330/659-4440

FIG. 10.1.2
WCBM(LIC.) 1000 mV/m
DAYTIME CONTOUR
WCBM Maryland, Inc.
Baltimore, MD



76°52'30"

39°22'30"

WCBM(CP)

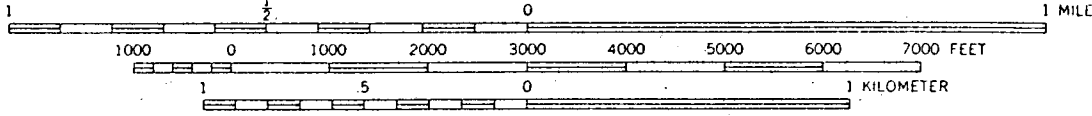
WCBM (CP)
1000 mV/m

76°50'

39°22'30"

WCBM
PROPOSED
1000 mV/m

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET

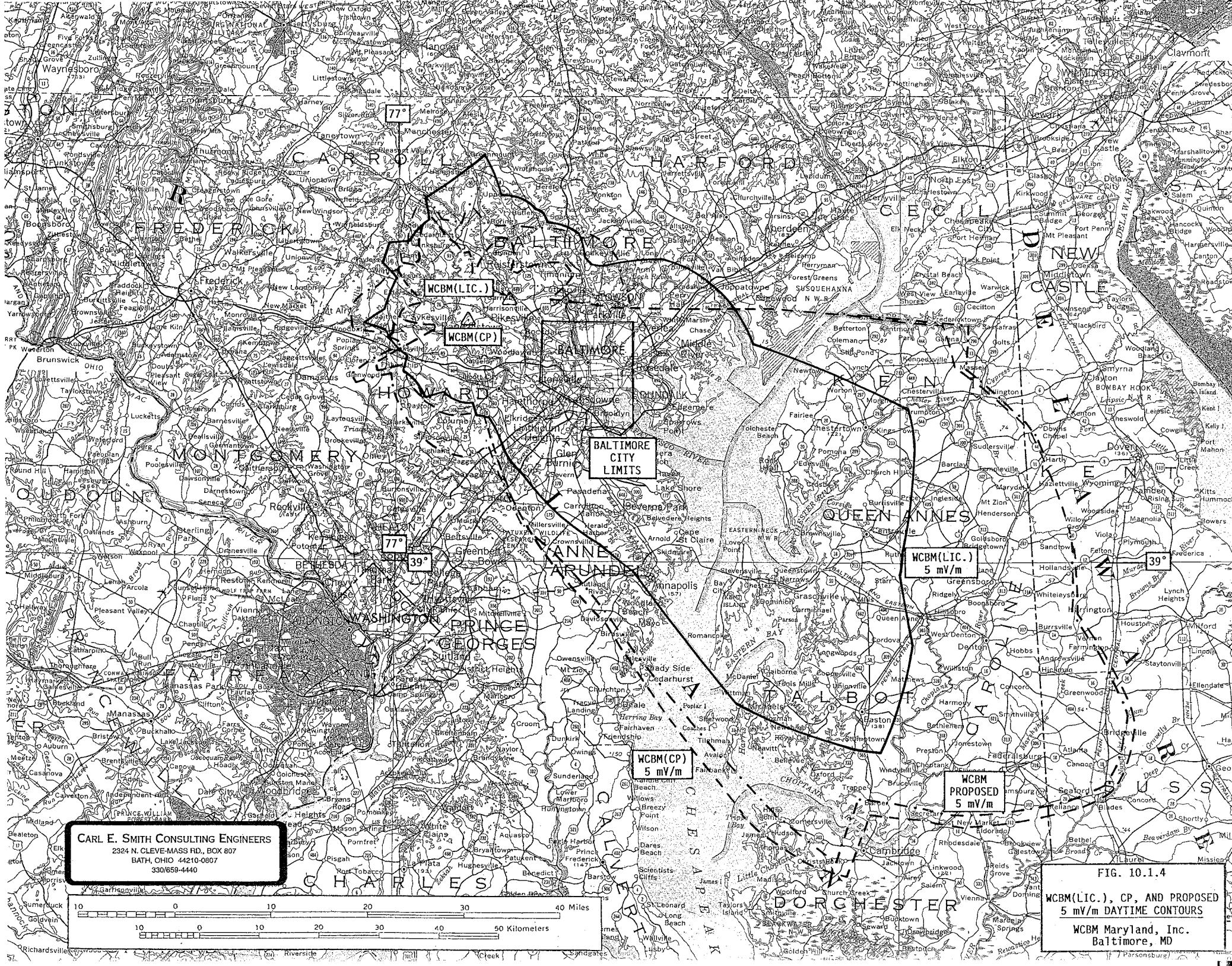
CARL E. SMITH CONSULTING ENGINEERS

2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
330/659-4440

FIG. 10.1.3

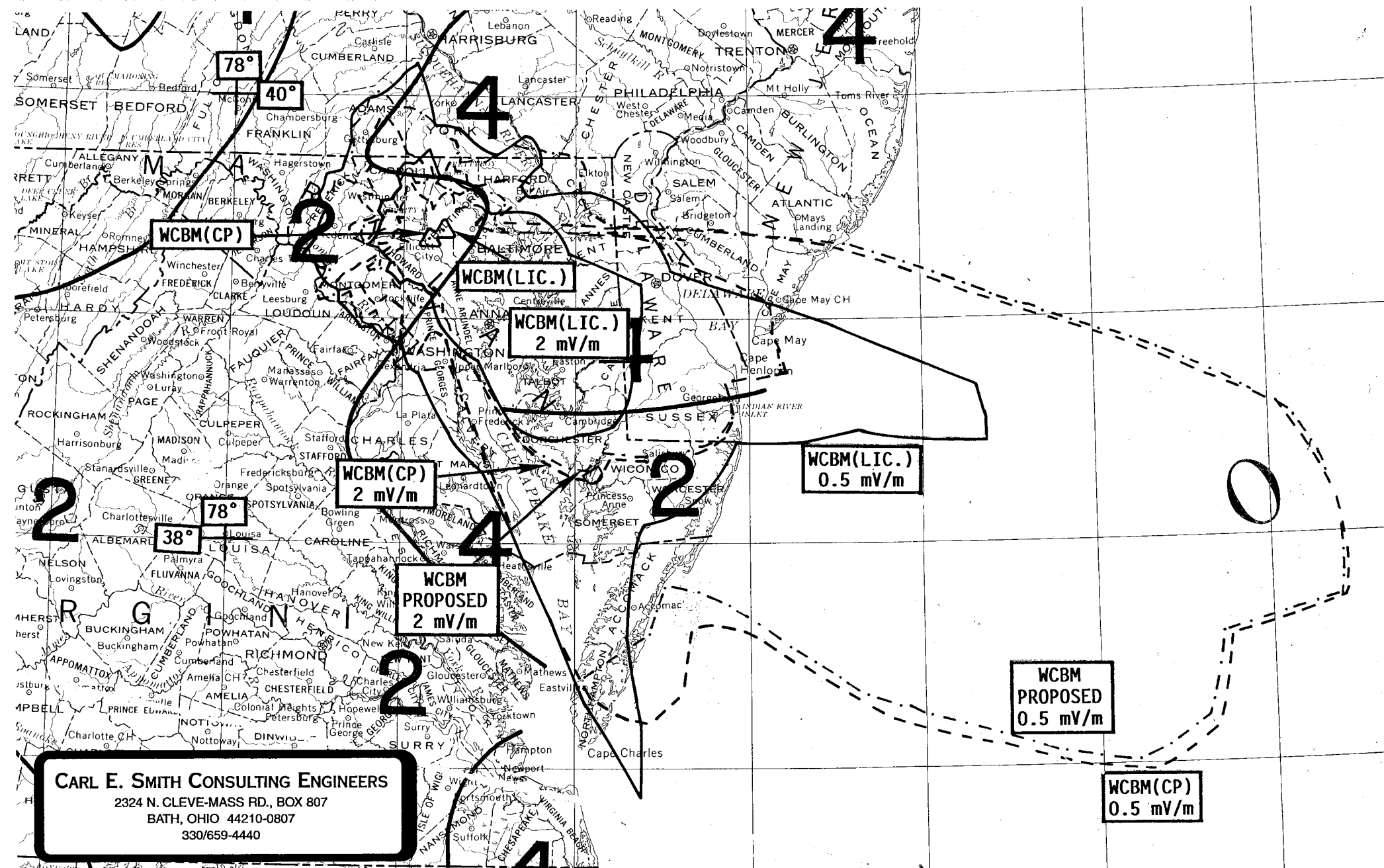
WCBM(CP) AND PROPOSED
1000 mV/m DAYTIME CONTOURS

WCBM Maryland, Inc.
Baltimore, MD



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330/659-4440

FIG. 10.1.4
WCBM(LIC.), CP, AND PROPOSED
5 mV/m DAYTIME CONTOURS
WCBM Maryland, Inc.
Baltimore, MD



SCALE 1:2,500,000

1 inch equals approximately 40 miles

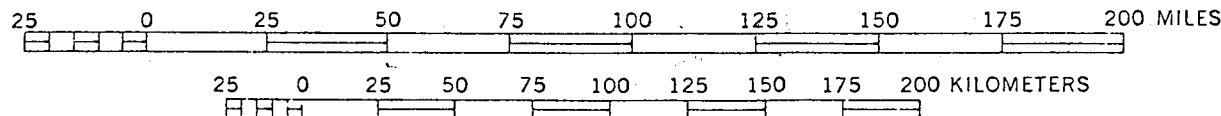


FIG. 10.1.5

WCBM(LIC.), CP, AND PROPOSED
 2 mV/m AND 0.5 mV/m DAYTIME CONTOURS

WCBM Maryland, Inc.
 Baltimore, MD