

EXHIBIT 10
(Page 1 of 7)

PROPOSED NIGHTTIME FACILITIES

WCBM Maryland, Inc.
Baltimore, MD

The construction and tuning of the daytime and nighttime facilities authorized for WCBM by construction permit BMP-20020612AAP has been completed and a license application to cover this construction permit was recently filed with the FCC. As outlined in this license application, it was not possible to contain the measured WCBM nighttime directional pattern within the standard pattern limits on two radials (8° , 332°). The attached application proposes to augment the nighttime standard pattern authorized by this construction permit on these two radials to encompass the measured radiation values shown in this license application. Table 10.0 presents a complete description of the proposed modified daytime antenna system. Table 10.1 is a tabulation of the proposed modified WCBM nighttime directional pattern. This pattern is shown in polar form in Figure 10.1.

It should be noted that, since the attached application simply proposes the addition of minor augmentations to the authorized WCBM nighttime pattern, no site map, horizontal plan view, or site photographs have been included as part of this application. Furthermore, no service contours are included as part of this application, since they are substantially unchanged from the those presently on file with the FCC. Finally, it should be further noted that the attached application proposes no changes, whatsoever to the WCBM daytime directional pattern authorized by the above referenced construction permit.

TABLE 10.0

**PROPOSED WCBM NIGHTTIME
DIRECTIONAL ANTENNA SYSTEM**

WCBM Maryland, Inc.
Baltimore, MD

Power:	20 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' (119.5 m) AGL, 874' (266.4 m) MSL #5 - 392.3' (119.5 m) AGL, 892' (271.9 m) MSL #6 - 392.3' (119.5 m) AGL, 892' (271.9 m) MSL		
Antenna Structure Registration Numbers:	#1 - 1209103 #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	25.0°	199.9° (244.8 m)
	3	22.7°	393.6° (482.0 m)
	4	88.5°	89.5° (109.6 m)
	5	42.8°	246.8° (302.2 m)
	6	32.4°	440.8° (539.8 m)

TABLE 10.0 (cont'd)

Electrical parameters:	<u>Tower</u>	<u>Field Ratio</u>	<u>Phase</u>
	1	0.509	88.1°
	2	0.994	106.5°
	3	0.466	125.8°
	4	0.483	349.5°
	5	1.000	0.0°
	6	0.538	25.8°
Augmentation Data:	<u>Azimuth (Degrees)</u>	<u>Span (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>
	8.0	34.0	276.0
	332.0	32.0	258.0
Ground system:	120 equally spaced radials of #10 AWG copper wire, each 110 meters in length buried approximately 10 cm deep about each tower. These radials are truncated where they intersect a transverse copper strap running between adjacent towers or the property boundary.		
Predicted efficiency:	1385.63 mV/m at 1 km RMS (Augmented Standard)		
Location:	North Latitude: 39° 22' 27" West Longitude: 76° 51' 29"		

AUGMENTED STANDARD PATTERN PARAMETERS

POWER: 20.000 kW

TOWER	ELECTRICAL HEIGHT (Degrees)	FIELD RATIO	SPACING (Degrees)	BEARING (Degrees)	PHASE (Degrees)	REF FLAG
1	96.0	0.509	0.0	0.0	88.1	
2	96.0	0.994	199.9	25.0	106.5	
3	96.0	0.466	393.6	22.7	125.8	
4	96.0	0.483	89.5	88.5	349.5	
5	96.0	1.000	246.8	42.8	0.0	
6	96.0	0.538	440.8	32.4	25.8	

ARRAY LOSS ANALYSIS

LOOP RESISTANCE (Ohms)	THEORETICAL RMS (mV/m @ 1 km)
0.0	1341.40
0.5	1329.10
1.0	1317.13
1.5	1305.49
2.0	1294.14
2.5	1283.08
3.0	1272.31
3.5	1261.80
4.0	1251.55

PAT. - MULT. (K): 1026.09 mV/m @ 1 km
 ARRAY RSS : 1773.39 mV/m @ 1 km
 ARRAY Q TERM : 44.7214 mV/m @ 1 km
 STANDARD RMS : 1383.79 mV/m @ 1 km
 AUG./STD. RMS : 1385.63 mV/m @ 1 km
 RSS/RMS RATIO : 1.35

AUGMENTATION DATA

BEARING (Degrees)	SPAN (Degrees)	RADIATION (mV/m @ 1 km)
8.0	34.0	276.0
332.0	32.0	258.0

TABLE 10.1

WCBM PROPOSED 680 kHz, 20 kW
 MODIFIED NIGHTTIME
 STANDARD RADIATION PATTERN

WCBM Maryland, Inc.
 Baltimore, MD

AUGMENTED STANDARD PATTERN
HEMISPHERICAL RADIATION
(mV/m @ 1 km)

TABLE 10.1 (Cont'd)

ELEVATION														
BEARING	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	
(Degrees)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	(Deg)	
0.0	260.0	260.5	261.6	262.4	259.7	248.7	224.4	185.3	141.9	133.0	189.7	276.1	357.4	
5.0	273.3	272.6	271.4	271.4	271.7	267.5	251.9	220.2	177.2	150.4	183.8	263.4	347.0	
10.0	274.5	271.2	264.0	258.2	257.1	257.4	249.6	225.4	185.0	150.9	172.9	250.8	338.3	
15.0	259.7	252.9	236.4	220.3	214.4	217.9	218.5	202.2	165.3	128.2	151.2	236.5	330.9	
20.0	238.9	228.3	200.7	169.9	155.0	161.9	172.0	163.9	129.2	89.4	126.6	226.4	328.5	
25.0	229.9	216.9	182.0	139.3	114.6	123.5	140.7	137.3	102.8	62.2	120.3	230.2	336.2	
30.0	218.4	205.2	169.9	126.6	102.3	113.5	131.2	126.4	90.7	60.7	135.0	248.1	354.0	
35.0	182.2	170.3	138.8	103.1	90.8	108.1	123.0	112.6	73.8	68.2	160.6	276.0	380.0	
40.0	128.1	118.9	96.7	79.0	86.6	106.7	113.4	93.1	55.4	93.2	198.9	314.9	414.7	
45.0	74.4	70.8	66.5	74.0	91.8	103.9	96.6	65.6	56.9	139.0	252.1	366.0	458.5	
50.0	62.8	65.5	73.8	85.7	94.0	89.4	66.1	45.3	104.4	207.1	322.3	430.3	511.7	
55.0	81.2	82.4	84.7	84.1	75.1	54.3	43.3	97.6	189.9	299.4	411.1	508.4	574.4	
60.0	70.7	68.9	62.8	51.9	43.4	65.6	124.9	209.1	310.2	418.2	519.9	600.7	646.2	
65.0	68.1	70.7	80.5	102.8	142.2	200.5	277.1	368.3	467.6	565.2	649.1	706.6	726.4	
70.0	231.7	238.5	259.2	294.9	346.1	412.2	490.7	576.9	663.2	740.3	797.7	824.9	813.6	
75.0	520.6	528.2	550.8	587.9	638.2	699.1	766.5	834.5	895.6	941.3	963.0	953.0	905.9	
80.0	923.6	929.9	948.3	977.5	1015.1	1057.4	1099.6	1135.8	1159.2	1163.0	1140.7	1087.5	1000.7	
85.0	1426.6	1429.6	1438.0	1450.1	1463.4	1474.2	1478.0	1469.7	1444.4	1397.1	1324.3	1223.6	1095.0	
90.0	2000.3	1998.2	1991.5	1978.9	1958.1	1926.7	1881.4	1819.1	1737.0	1632.9	1505.8	1356.0	1185.2	
95.0	2600.2	2591.9	2566.8	2524.2	2463.4	2383.3	2283.0	2161.9	2019.9	1857.5	1676.3	1478.5	1267.6	
100.0	3170.9	3156.1	3111.6	3038.0	2936.0	2806.7	2651.9	2473.5	2274.2	2057.2	1826.1	1585.2	1338.7	
105.0	3653.3	3632.6	3570.8	3469.5	3331.1	3158.8	2956.5	2729.0	2481.2	2218.6	1946.5	1670.3	1395.1	
110.0	3993.7	3968.7	3894.4	3773.1	3608.5	3405.3	3169.4	2907.0	2625.1	2330.5	2029.8	1729.2	1434.2	
115.0	4152.9	4125.9	4046.0	3915.7	3739.2	3522.1	3270.7	2992.4	2694.8	2385.3	2071.1	1758.8	1454.2	
120.0	4113.4	4087.2	4009.4	3882.6	3710.4	3498.1	3251.8	2978.5	2685.2	2379.4	2068.0	1757.7	1454.2	
125.0	3882.4	3859.5	3791.4	3679.7	3527.3	3338.0	3116.4	2867.9	2598.4	2314.2	2021.4	1726.3	1434.5	
130.0	3490.8	3473.1	3420.3	3333.1	3212.6	3060.7	2879.6	2672.5	2443.1	2195.7	1935.3	1667.1	1396.5	
135.0	2986.4	2975.1	2940.9	2883.4	2802.1	2696.3	2565.9	2411.1	2233.0	2033.7	1816.0	1584.0	1342.5	
140.0	2426.1	2421.2	2405.9	2379.0	2338.3	2281.2	2204.8	2106.9	1985.6	1840.4	1671.8	1482.2	1275.3	
145.0	1865.5	1866.2	1867.8	1868.2	1864.4	1852.2	1827.0	1784.1	1719.2	1629.0	1511.7	1367.4	1198.3	
150.0	1351.2	1356.2	1370.5	1392.0	1417.3	1441.8	1459.8	1465.0	1451.1	1412.4	1344.6	1245.5	1115.2	
155.0	915.3	922.8	944.8	979.6	1024.3	1074.6	1124.7	1167.7	1195.9	1201.9	1178.8	1121.9	1029.3	
160.0	573.7	582.0	606.7	647.0	701.0	765.5	835.7	904.7	964.4	1006.0	1020.7	1001.5	943.7	
165.0	327.8	335.5	358.6	397.5	451.8	520.2	599.1	682.7	763.1	830.7	875.4	887.9	861.1	
170.0	169.0	174.7	192.8	224.8	272.6	336.6	414.9	503.4	594.7	679.3	746.1	783.9	783.4	
175.0	84.2	87.0	96.9	117.7	153.6	207.2	278.5	364.4	458.8	552.6	634.2	691.3	712.3	
180.0	56.6	56.5	57.5	63.8	83.4	122.5	182.4	260.8	352.7	449.5	539.9	610.6	648.6	
185.0	52.8	52.3	50.5	48.4	51.5	72.5	118.3	186.5	272.4	368.0	462.4	542.0	592.7	
190.0	51.1	50.9	50.1	47.5	43.9	48.7	78.5	135.4	213.4	305.2	400.2	485.0	544.7	
195.0	49.4	49.5	49.4	48.2	44.5	41.3	56.4	101.7	171.5	258.1	351.5	438.7	504.5	
200.0	48.7	48.8	48.9	48.4	45.7	40.6	45.8	80.6	142.8	223.9	314.5	402.0	471.4	
205.0	48.5	48.6	48.7	48.6	46.4	41.3	41.4	68.3	124.0	199.9	287.2	373.9	445.2	
210.0	48.7	48.8	49.0	48.9	46.9	41.8	39.8	61.6	112.5	184.2	268.3	353.3	425.0	
215.0	49.9	50.0	50.2	49.8	47.4	42.1	39.3	58.6	106.4	174.9	256.1	339.2	410.4	

AUGMENTED STANDARD PATTERN
HEMISPHERICAL RADIATION
(mV/m @ 1 km)

Table 10.1 (Cont'd)

BEARING (Degrees)	ELEVATION												
	0.0 (Deg)	5.0 (Deg)	10.0 (Deg)	15.0 (Deg)	20.0 (Deg)	25.0 (Deg)	30.0 (Deg)	35.0 (Deg)	40.0 (Deg)	45.0 (Deg)	50.0 (Deg)	55.0 (Deg)	60.0 (Deg)
220.0	52.8	52.8	52.6	51.6	48.4	42.4	39.1	57.8	104.2	170.7	249.6	330.8	400.8
225.0	57.9	57.7	57.0	54.9	50.4	42.9	39.1	58.3	104.8	170.5	248.0	327.3	395.6
230.0	65.8	65.3	63.8	60.3	53.8	44.1	38.9	59.5	107.5	173.6	250.4	328.1	394.5
235.0	77.9	77.1	74.5	69.1	59.8	46.7	38.6	60.9	111.8	179.6	256.4	332.9	397.0
240.0	97.2	95.9	91.7	83.6	70.4	52.1	38.8	62.5	117.5	188.2	265.9	341.3	402.9
245.0	127.1	125.0	118.4	106.3	87.4	61.9	40.6	64.8	125.1	199.6	278.7	353.1	411.8
250.0	168.7	165.5	155.3	137.5	111.1	76.4	45.0	68.9	135.4	214.3	295.1	368.2	423.5
255.0	219.5	214.6	199.8	174.4	138.3	92.8	51.2	76.0	149.5	233.0	315.2	386.5	437.6
260.0	272.0	265.2	244.7	210.5	163.5	106.2	56.9	88.1	168.9	256.6	339.2	407.8	453.9
265.0	315.2	306.3	279.8	236.6	178.6	110.8	60.8	107.2	195.3	285.8	367.4	431.8	471.9
270.0	336.4	325.6	293.8	242.7	175.7	101.5	67.9	136.4	229.9	320.8	399.3	458.1	491.0
275.0	324.0	311.9	276.5	220.3	148.7	79.3	91.1	177.8	273.2	361.4	434.3	485.7	510.6
280.0	271.7	259.2	222.7	166.1	99.2	70.8	138.3	231.7	324.2	406.1	470.9	513.4	529.7
285.0	181.4	169.6	136.2	88.8	65.0	119.8	205.4	295.4	380.1	452.5	507.2	539.9	547.3
290.0	73.0	66.2	55.5	74.2	129.7	203.0	283.4	363.2	436.3	497.0	540.6	563.3	562.3
295.0	98.6	106.9	132.3	173.9	228.9	292.9	360.8	427.3	487.0	535.4	568.1	581.7	573.7
300.0	214.1	221.3	242.6	276.5	320.7	371.9	426.0	478.9	526.0	563.3	586.9	593.6	580.5
305.0	303.6	309.1	325.4	351.4	385.6	425.5	468.1	510.0	547.6	577.0	594.7	597.3	581.8
310.0	345.6	350.0	362.8	383.6	411.2	443.9	479.5	515.1	547.8	573.8	589.8	592.0	577.2
315.0	332.9	336.8	348.4	367.2	392.5	423.1	457.1	492.1	525.2	553.0	571.7	577.6	566.8
320.0	286.5	290.1	301.1	319.2	344.2	375.1	410.5	448.3	485.5	518.7	543.7	556.3	552.1
325.0	259.3	261.5	268.4	281.1	300.4	327.1	360.6	399.1	439.8	478.7	511.1	531.8	535.5
330.0	256.7	256.4	256.1	257.9	264.9	280.4	306.3	342.0	384.7	429.6	470.5	501.1	514.7
335.0	258.0	255.3	248.0	238.1	229.5	228.2	240.8	270.3	314.4	366.5	418.4	461.5	487.4
340.0	249.9	246.0	234.7	216.5	193.9	172.7	164.6	182.8	228.4	290.3	356.0	414.3	454.9
345.0	242.3	238.9	228.1	209.2	181.4	145.5	108.5	97.3	139.2	212.1	292.6	366.5	422.1
350.0	249.7	247.8	241.6	229.3	208.3	176.1	132.6	87.4	87.5	154.4	241.9	326.8	394.6
355.0	248.9	248.8	247.8	243.7	233.2	211.9	177.0	130.4	94.0	123.7	205.3	295.5	372.3

RADIATION MAXIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
7.9	276.0
25.2	229.9
56.3	82.6
116.5	4162.0
270.9	336.9
311.3	347.6
333.6	258.4
350.1	249.7

RADIATION MINIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
24.7	229.9
48.4	59.9
63.2	53.6
205.4	48.5
291.9	52.2
328.0	255.9
345.0	242.3
353.2	247.9

AUGMENTATION DATA

BEARING	SPAN	RADIATION
8.0	34.0	276.0
332.0	32.0	258.0

NL - 39°22'27"
WL - 76°51'29"

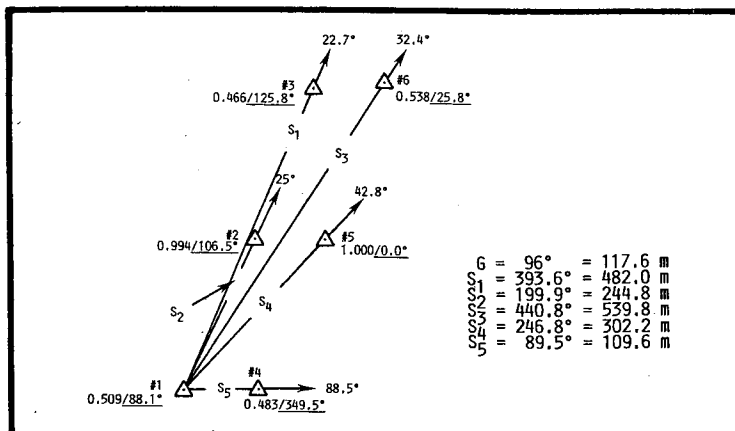
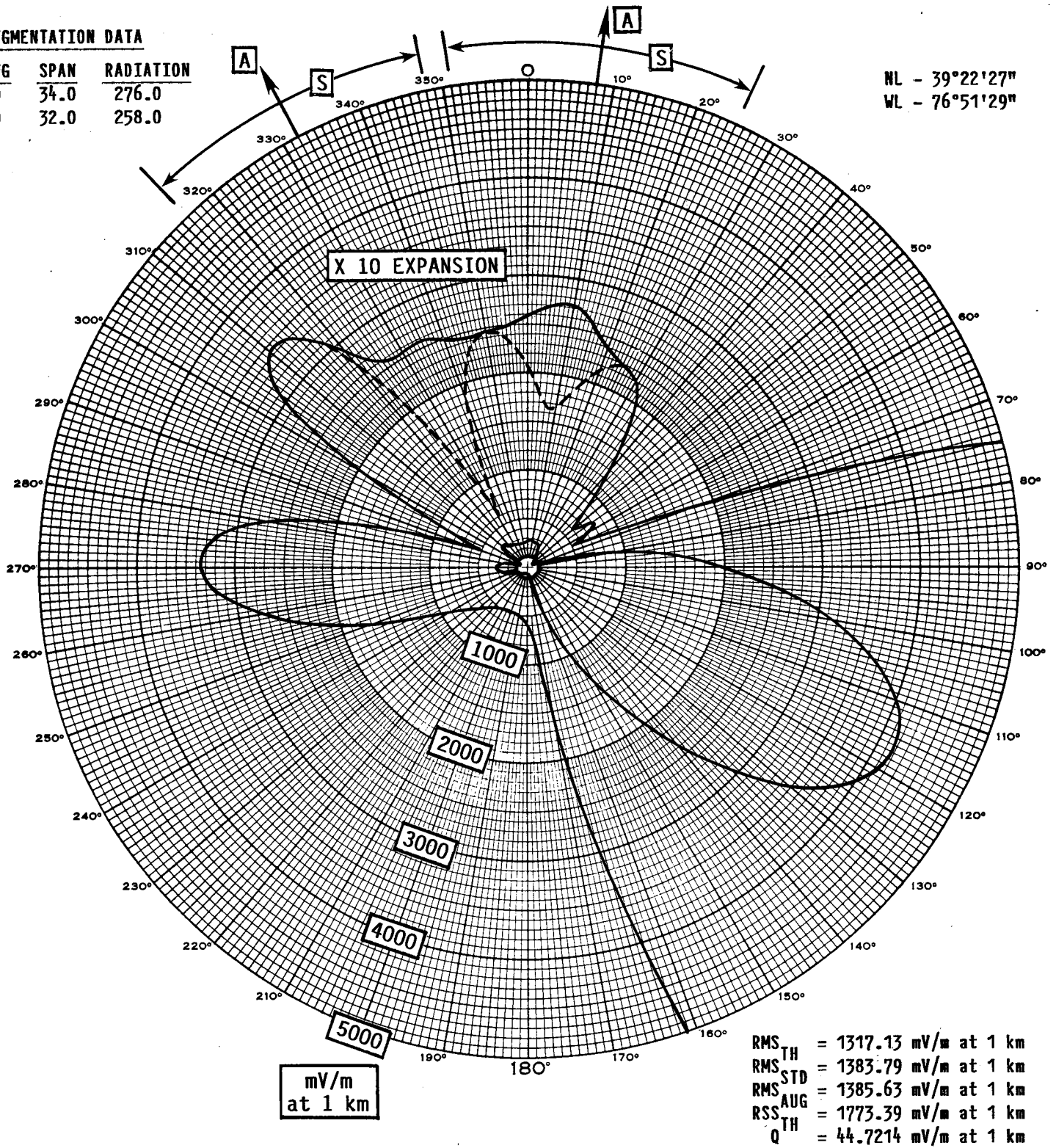


FIG. 10.1

WCBM PROPOSED 680 kHz, 20 kW
MODIFIED NIGHTTIME STANDARD
HORIZONTAL PLANE PATTERN

WCBM Maryland, Inc.
Baltimore, MD

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