

EXHIBIT 11
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PROPOSED NIGHTTIME FACILITIES

Sports Radio Chicago, LLC
Chicago, IL

The final adjustment and tuning of the nighttime facilities authorized for WMVP by construction permit BP-20051114AFM have been completed and a license application to cover this nighttime construction permit is being filed with the FCC concurrently with the attached application.¹ As shown in this license application, it was not possible to achieve an adjustment of the nighttime directional pattern which would be totally contained within the nighttime standard pattern authorized by this construction permit.

The attached application proposes to modify this construction permit to add one augmentation (on the 227.5° radial) to the authorized nighttime standard pattern. The addition of this augmentation results in a modified (augmented) nighttime standard pattern that totally encompasses the measured radiation while complying with the protection requirements to all other stations requiring protection consideration at night.

Table 11.0 presents a complete description of the proposed modified WMVP nighttime antenna system. Table 11.1 is a tabulation of the proposed modified WMVP nighttime standard pattern. This modified standard pattern is shown in polar form in Figure 11.1.

Since the attached application simply proposes the addition of one minor augmentation to the authorized WMVP nighttime standard pattern, no site map, horizontal plan view, or site photographs have been included as part of this application. Furthermore, no ser-

¹Concurrently with the filing of the attached application and the associated license application for the modified WMVP nighttime facilities, the applicant is also filing a separate license application to cover the construction permit (BP-20060417AGB) to modify the WMVP daytime facilities and an associated application to modify the WMVP daytime construction permit to augment the authorized daytime pattern.

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vice contours are included as part of this application, since they are essentially unchanged from the those presently on file with the FCC.

TABLE 11.0

WMVP PROPOSED MODIFIED NIGHTTIME
DIRECTIONAL ANTENNA SYSTEM

Sports Radio Chicago, LLC.
 Chicago, IL

Power:	50 kilowatts directional		
Type of elements:	Vertical, uniform cross section, guyed and base insulated, series excited.		
Height above insulators:	#1 - 179° electrical, 149.1 m physical #2 - 150° electrical, 124.9 m physical #3 - 150° electrical, 124.9 m physical		
Overall height above ground:	#1 - 151.5 m AGL/380.7 m MSL #2 - 128.0 m AGL/358.4 m MSL #3 - 128.0 m AGL/358.1 m MSL		
Antenna Structure Registration Numbers:	#1 - 1252697 #2 - 1252698 #3 - 1252699		
Orientation and spacing:	<u>Tower</u>	<u>Bearing</u>	<u>Spacing</u>
	1	Reference	
	2	80.6°	107.3° (89.4 m)
	3	245°	58.7° (48.9 m)
Electrical parameters:	<u>Tower</u>	<u>Field Ratio</u>	<u>Phase</u>
	1	1.000	0.0°
	2	0.509	-72.4°
	3	0.537	107.1°
Augmentation Data:	Central Azimuth (<u>Degrees</u>)	Span (<u>Degrees</u>)	Field at Azimuth (<u>Degrees</u>)
	227.5	85.0	138.0

TABLE 11.0 (cont'd)

Ground system:	120 equally spaced radials of #10 AWG copper wire, each 75 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.	
Predicted efficiency:	2744.24 mV/m at 1 km RMS (Augmented Standard)	
Location:	North Latitude:	41° 49' 05"
	West Longitude:	87° 59' 18"

AUGMENTED STANDARD PATTERN PARAMETERS

POWER: 50.000 kW

TOWER	ELECTRICAL HEIGHT (Degrees)	FIELD RATIO	SPACING (Degrees)	BEARING (Degrees)	PHASE (Degrees)	REF FLAG
1	179.0	1.000	0.0	0.0	0.0	
2	150.0	0.509	107.3	80.6	-72.4	
3	150.0	0.537	58.7	245.0	107.1	

ARRAY LOSS ANALYSIS

LOOP RESISTANCE (Ohms)	THEORETICAL RMS (mV/m @ 1 km)
0.0	2625.73
0.5	2619.00
1.0	2612.32
1.5	2605.70
2.0	2599.12
2.5	2592.59
3.0	2586.11
3.5	2579.68
4.0	2573.30

PAT. - MULT. (K): 2120.40 mV/m @ 1 km
 ARRAY RSS : 2637.70 mV/m @ 1 km
 ARRAY Q TERM : 70.7107 mV/m @ 1 km
 STANDARD RMS : 2743.95 mV/m @ 1 km
 AUG./STD. RMS : 2744.24 mV/m @ 1 km
 RSS/RMS RATIO : 1.01

AUGMENTATION DATA

BEARING (Degrees)	SPAN (Degrees)	RADIATION (mV/m @ 1 km)
227.5	85.0	138.0

TABLE 11.1

WMVP PROPOSED 1000 kHz, 50 kW
 MODIFIED NIGHTTIME
STANDARD RADIATION PATTERN
 Sports Radio Chicago, LLC
 Chicago, IL

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

TABLE 11.1 (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)	
0.0	3050.6	3006.6	2878.2	2675.8	2415.0	2114.9	1795.7	1476.4	1173.3	898.9	661.4	464.6	309.0	
5.0	3291.6	3244.5	3106.9	2889.9	2610.2	2288.1	1945.2	1601.8	1275.5	979.6	723.0	509.9	340.7	
10.0	3507.4	3457.6	3312.2	3082.7	2786.7	2445.6	2081.9	1717.3	1370.2	1054.9	780.8	552.6	371.0	
15.0	3695.1	3643.1	3491.3	3251.6	2942.2	2585.2	2204.1	1821.4	1456.3	1124.0	834.3	592.5	399.4	
20.0	3853.2	3799.6	3642.9	3395.5	3075.6	2706.1	2310.9	1913.2	1533.1	1186.2	883.1	629.2	425.7	
25.0	3981.9	3927.1	3767.1	3514.1	3186.7	2807.8	2401.9	1992.6	1600.3	1241.4	926.8	662.5	449.8	
30.0	4082.4	4027.0	3864.9	3608.4	3276.1	2890.9	2477.4	2059.5	1657.9	1289.4	965.3	692.2	471.6	
35.0	4157.1	4101.4	3938.5	3680.3	3345.5	2956.6	2538.4	2114.5	1706.1	1330.3	998.7	718.2	490.9	
40.0	4209.2	4153.6	3990.7	3732.4	3396.9	3006.6	2585.9	2158.5	1745.6	1364.4	1027.0	740.7	507.8	
45.0	4242.3	4186.9	4024.8	3767.5	3432.8	3042.8	2621.5	2192.5	1776.9	1392.1	1050.5	759.6	522.2	
50.0	4260.2	4205.2	4044.3	3788.7	3455.9	3067.4	2646.9	2217.8	1801.0	1414.0	1069.4	775.1	534.1	
55.0	4266.4	4212.0	4052.6	3799.2	3468.8	3082.6	2663.8	2235.4	1818.5	1430.5	1084.1	787.3	543.7	
60.0	4264.5	4210.6	4052.7	3801.6	3473.8	3090.2	2673.6	2246.7	1830.4	1442.1	1094.7	796.5	551.0	
65.0	4257.2	4203.8	4047.3	3798.3	3473.0	3092.0	2677.7	2252.6	1837.3	1449.3	1101.6	802.6	555.9	
70.0	4246.7	4193.7	4038.4	3791.2	3468.1	3089.3	2677.1	2253.8	1839.8	1452.5	1105.1	805.8	558.7	
75.0	4234.5	4181.9	4027.4	3781.5	3460.0	3083.1	2672.6	2250.9	1838.2	1452.0	1105.1	806.2	559.3	
80.0	4221.3	4168.8	4014.9	3769.8	3449.4	3073.6	2664.5	2244.1	1832.8	1447.7	1101.9	803.9	557.7	
85.0	4207.0	4154.6	4000.8	3756.0	3436.1	3061.0	2652.8	2233.5	1823.4	1439.8	1095.4	798.8	553.9	
90.0	4190.7	4138.2	3984.3	3739.4	3419.5	3044.7	2637.0	2218.7	1810.0	1428.0	1085.6	791.0	547.9	
95.0	4170.7	4118.1	3963.9	3718.6	3398.4	3023.6	2616.5	2199.2	1792.1	1412.2	1072.2	780.2	539.8	
100.0	4144.9	4092.1	3937.5	3691.8	3371.3	2996.5	2590.1	2174.2	1769.2	1392.0	1055.2	766.6	529.4	
105.0	4110.4	4057.5	3902.6	3656.5	3336.0	2961.8	2556.5	2142.7	1740.6	1367.1	1034.3	749.8	516.8	
110.0	4064.1	4011.2	3856.3	3610.4	3290.5	2917.5	2514.4	2103.8	1705.7	1336.8	1009.1	729.9	501.8	
115.0	4002.7	3949.9	3795.5	3550.5	3232.3	2861.9	2462.4	2056.3	1663.7	1300.9	979.6	706.7	484.5	
120.0	3922.9	3870.5	3717.3	3474.4	3159.3	2793.2	2399.1	1999.4	1614.1	1259.0	945.6	680.2	464.9	
125.0	3822.1	3770.3	3619.2	3379.8	3069.6	2709.8	2323.3	1932.3	1556.3	1210.9	906.9	650.4	443.0	
130.0	3697.8	3647.1	3499.1	3264.9	2961.7	2610.7	2234.4	1854.5	1490.1	1156.4	863.6	617.3	419.0	
135.0	3548.9	3499.7	3355.9	3128.7	2835.0	2495.4	2131.9	1765.8	1415.6	1095.6	815.7	581.1	392.9	
140.0	3375.1	3327.8	3189.6	2971.3	2689.4	2363.9	2016.2	1666.6	1333.0	1028.9	763.6	542.0	364.9	
145.0	3177.5	3132.5	3001.1	2793.7	2526.0	2217.4	1888.1	1557.7	1242.9	956.7	707.7	500.3	335.2	
150.0	2958.4	2916.1	2792.6	2597.8	2346.7	2057.3	1749.0	1440.1	1146.3	879.8	648.5	456.5	304.2	
155.0	2721.5	2682.2	2567.7	2387.0	2154.2	1886.2	1601.0	1315.6	1044.6	799.2	586.8	411.0	272.1	
160.0	2471.4	2435.4	2330.5	2165.1	1952.1	1707.0	1446.5	1186.1	939.2	716.1	523.4	364.4	239.4	
165.0	2213.6	2181.1	2086.3	1936.8	1744.5	1523.4	1288.5	1054.0	832.0	631.7	459.2	317.4	206.4	
170.0	1953.9	1924.9	1840.3	1707.1	1535.8	1338.9	1130.0	921.7	724.8	547.5	395.2	270.6	173.7	
175.0	1698.1	1672.6	1598.2	1481.1	1330.4	1157.5	974.2	791.7	619.5	464.9	332.6	224.8	141.8	
180.0	1451.8	1429.6	1365.0	1263.3	1132.6	982.7	824.1	666.5	518.1	385.4	272.4	181.0	111.3	
185.0	1219.6	1200.5	1145.0	1057.8	945.8	817.7	682.4	548.3	422.6	310.8	216.1	140.3	83.4	
190.0	1005.2	989.1	942.0	868.1	773.4	665.4	551.7	439.6	335.2	242.9	165.7	104.8	60.4	
195.0	811.6	798.0	758.6	696.7	617.8	528.2	434.6	342.9	258.4	184.8	124.5	78.7	47.3	
200.0	640.1	628.8	596.2	545.3	480.8	408.2	333.2	261.1	196.0	141.1	98.3	68.2	49.3	
205.0	491.2	482.0	455.6	414.7	363.6	307.2	250.6	198.3	153.5	118.4	93.0	75.5	62.3	
210.0	364.9	357.7	336.9	305.5	267.6	227.9	191.1	160.3	136.8	119.5	105.8	92.9	79.1	
215.0	261.8	256.3	241.1	219.3	195.6	174.7	159.6	150.2	143.7	136.7	126.8	113.2	96.0	

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

TABLE 11.1 (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	184.9	181.2	171.6	160.4	152.7	151.7	156.1	161.6	163.7	159.8	149.3	132.8	111.7	
225.0	143.0	140.9	136.9	135.9	142.3	155.5	170.7	182.5	187.1	182.9	170.2	150.3	125.4	
230.0	142.9	141.8	140.7	144.5	156.3	174.0	192.1	205.0	209.2	203.5	188.2	165.3	137.0	
235.0	171.3	170.0	168.3	170.8	180.9	197.0	213.7	225.3	228.1	220.4	202.9	177.4	146.4	
240.0	209.7	207.7	203.6	202.3	207.7	219.5	232.9	242.1	243.0	233.5	214.1	186.6	153.5	
245.0	248.7	245.7	238.9	233.1	232.9	239.3	248.6	254.9	253.7	242.7	221.9	192.9	158.4	
250.0	284.8	280.9	271.4	261.0	255.1	255.8	260.5	263.7	260.4	248.0	226.2	196.4	161.1	
255.0	316.5	311.8	299.6	284.9	273.5	268.5	268.4	268.2	263.0	249.5	227.1	197.0	161.6	
260.0	342.9	337.4	322.8	304.2	287.5	276.9	271.9	268.5	261.4	247.2	224.8	195.0	160.0	
265.0	363.3	357.1	340.4	318.0	296.4	280.4	270.8	264.1	255.5	240.9	219.0	190.1	156.2	
270.0	377.4	370.5	351.7	325.9	299.6	278.5	264.3	254.7	244.8	230.5	209.7	182.4	150.3	
275.0	384.0	376.5	355.8	326.8	296.1	269.9	251.5	239.4	228.9	215.5	196.6	171.7	142.1	
280.0	383.2	375.1	352.5	320.3	285.1	254.0	231.4	217.1	206.7	195.3	179.3	157.9	131.6	
285.0	376.9	368.1	343.7	308.0	268.1	231.5	204.2	187.6	178.0	169.5	157.7	140.7	118.8	
290.0	370.0	360.6	334.1	294.8	249.4	205.9	171.9	151.6	142.6	138.0	131.5	120.2	103.5	
295.0	372.3	362.3	333.8	290.7	239.3	187.2	142.6	113.4	101.9	100.9	100.9	96.3	86.0	
300.0	398.5	387.9	357.6	311.4	254.7	194.2	136.9	90.7	64.2	60.6	66.4	69.5	66.3	
305.0	462.7	451.7	419.8	370.7	309.7	243.0	176.8	116.7	67.8	37.1	33.3	41.2	45.1	
310.0	571.7	559.9	525.6	472.5	405.8	331.8	256.8	186.1	124.3	74.5	39.3	23.8	25.3	
315.0	724.0	710.8	672.4	612.6	536.9	451.7	363.7	278.8	202.0	136.5	84.3	46.4	23.6	
320.0	914.5	899.3	854.9	785.3	696.5	595.7	490.3	387.0	291.5	207.8	138.5	84.6	46.0	
325.0	1137.4	1119.5	1067.2	985.0	879.7	759.4	632.6	507.2	389.9	285.7	197.8	127.6	75.1	
330.0	1386.6	1365.4	1303.7	1206.6	1081.9	938.9	787.5	637.1	495.4	368.7	260.7	173.3	106.6	
335.0	1655.6	1630.9	1558.6	1444.8	1298.4	1130.2	951.9	774.2	606.4	455.6	326.4	221.0	139.6	
340.0	1937.7	1909.0	1825.4	1693.7	1524.1	1329.3	1122.4	916.0	720.8	545.0	393.8	269.9	173.5	
345.0	2225.4	2192.7	2097.4	1947.2	1753.9	1531.7	1295.6	1059.9	836.7	635.4	462.0	319.4	207.8	
350.0	2511.5	2474.8	2367.9	2199.4	1982.4	1732.9	1467.8	1203.0	952.1	725.5	530.0	368.8	242.1	
355.0	2788.7	2748.2	2630.2	2444.0	2204.4	1928.7	1635.6	1342.7	1064.9	813.8	596.8	417.4	276.0	

RADIATION MAXIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
276.8	384.5

RADIATION MINIMA

BEARING (Degrees)	RADIATION (mV/m @ 1 km)
227.4	138.0
291.9	369.1

NL - 41°49'05"
WL - 87°59'18"

AUGMENTATION DATA

BEARING	SPAN	RADIATION
227.5	85.0	138.0

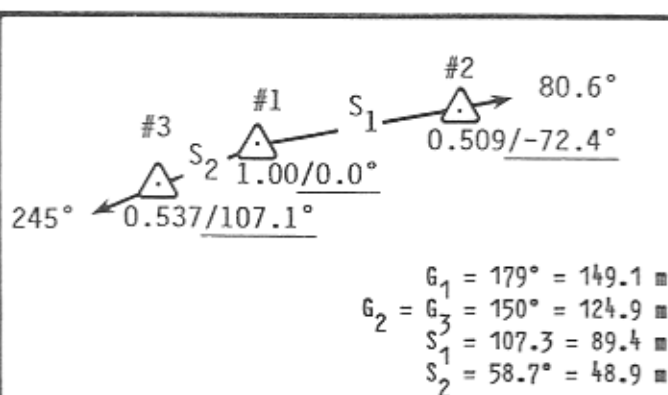
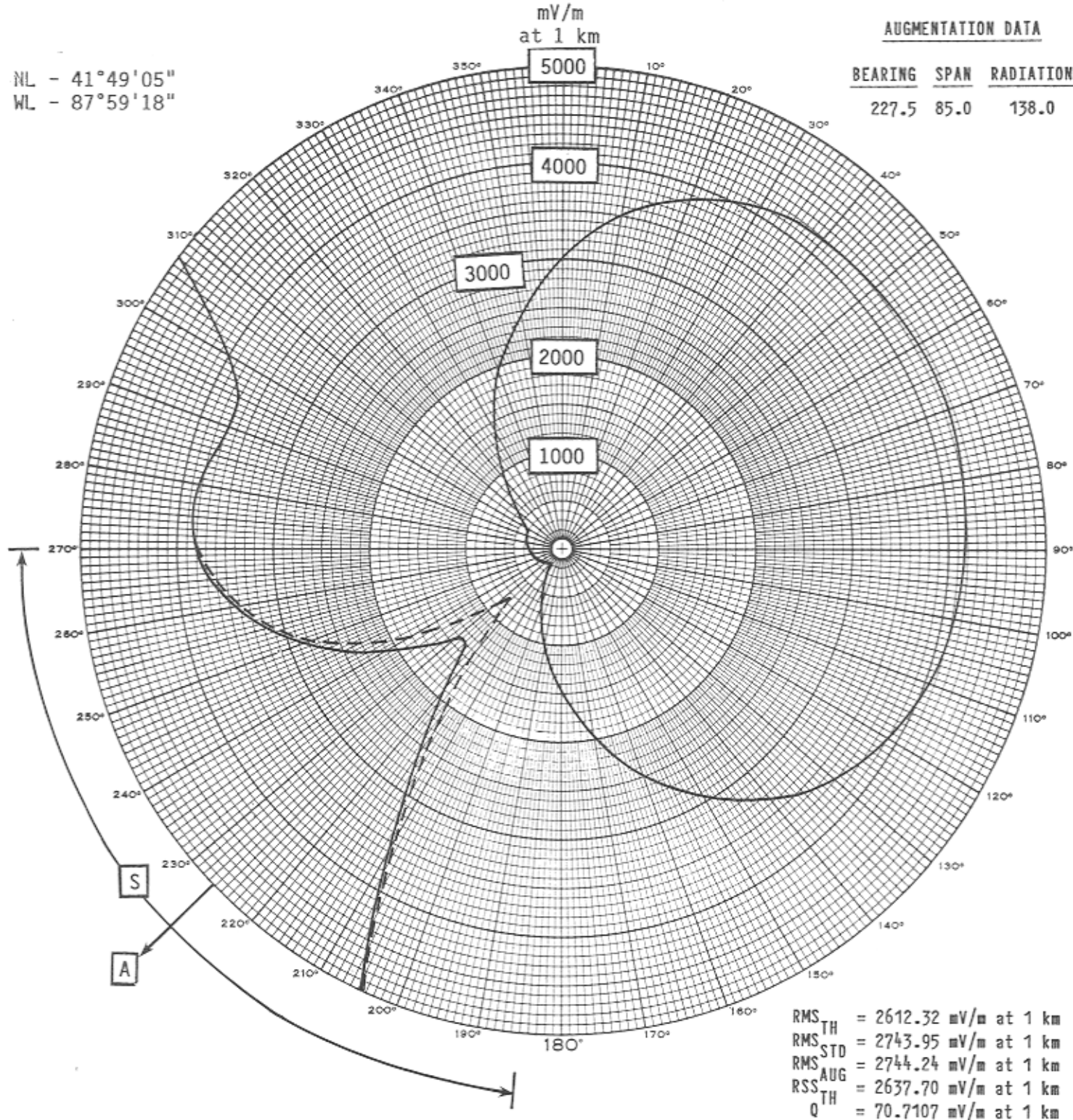


FIG. 11.1

WMVP PROPOSED 1000 kW, 50 kW
MODIFIED NIGHTTIME STANDARD
HORIZONTAL PLANE PATTERN

Sports Radio Chicago, LLC
Chicago, IL

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