

EXHIBIT 16  
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SKYWAVE INTERFERENCE STUDY  
Sports Radio Chicago, LLC  
Chicago, IL

There are two Class A stations that lie within the arc of the proposed augmentation to the WMVP nighttime directional pattern. These stations are:

KOMO	Seattle, WA	1000 kHz
XEOY	Iztacalco, DF	1000 kHz

Table 16.0 presents the projection of the KOMO 0.5 mV/m, 50% nighttime skywave contour. Table 16.1 tabulates the KOMO 0.5 mV/m nighttime groundwave contour. This groundwave contour was projected using conductivity data extracted from FCC Figure M3. Table 16.2 lists the projection of the XEOY 0.5 mV/m, 50% nighttime skywave contour. Table 16.3 presents the projection of the XEOY 0.5 mV/m nighttime groundwave contour. The XEOY groundwave contour was projected using conductivity data extracted from the Region 2 Conductivity Map.

Table 16.4 presents the projection of the 0.025 mV/m, 10% skywave contour for the proposed modified WMVP nighttime facilities using domestic standards. Table 16.5 lists this same contour projected using the standards outlined in the 1992 bilateral broadcasting agreement between the United States and Mexico. Finally, Table 16.6 presents the projection of the 0.025 mV/m, 10% skywave contour for the presently licensed WMVP nighttime facilities using these same Mexican standards.

Figure 16.0 shows the 0.025 mV/m, 10% skywave contour for the proposed modified WMVP nighttime facilities in relation to the contours for KOMO. As can be seen from an examination of this figure, the modified WMVP nighttime facilities will provide the required skywave protection to KOMO. Figure 16.1 depicts the 0.025 mV/m, 10% skywave contours for the WMVP licensed nighttime facilities and the proposed modified

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nighttime facilities in relation to the normally protected contours for XEOY. As shown by this figure, the skywave contour for the WMVP licensed facilities penetrates both the skywave and groundwave contours for XEOY. This figure also shows that the skywave contour for proposed modified facilities will be totally contained within the skywave contour for the licensed WMVP nighttime facilities. Based upon this information, the proposed modified WMVP nighttime facilities will provide the required skywave protection to XEOY.

Nighttime computer allocation studies were conducted for domestic Class B stations operating at night on 990 kHz through 1010 kHz and all other Region II Class B stations operating at night on 1000 kHz that lie within the arc of the proposed augmentation. The computer program calculates the distances and bearings between all stations operating on these channels using great circle calculation techniques. Appropriate curves from the FCC Rules and applicable international agreements were then used to compute the critical elevation angles and skywave field factors for determining the RSS limitation for each station. The parameters for the nighttime operation of each station were taken from the FCC's Consolidated Database System ("CDBS"). These parameters were then used by the computer to calculate the RSS limitation for each station. RSS limitations to and from domestic Class D stations were not included in these RSS calculations, since the nighttime operations of these stations are secondary and are afforded no interference protection. In addition, RSS limitations from foreign stations that are shown in the CDBS as being objected to by the United States were not included in the RSS calculations toward any station requiring consideration.

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Tables 16.7 through 16.29 present the RSS limitation calculations to all stations operating on 990 kHz through 1010 kHz within the arc of the proposed augmentation that require protection consideration where the RSS contribution from the proposed modified WMVP nighttime facilities exceeds 0.1 mV/m. As can be seen from these tables, the licensed WMVP nighttime facilities enter the 25% exclusion RSS limitation to KTOK - Oklahoma City, Oklahoma which operates on 1000 kHz. This table also shows that the WMVP contribution to the KTOK RSS will be reduced by the proposed modified WMVP nighttime facilities.<sup>1</sup>

Finally, these tables also show that the proposed modified WMVP nighttime facilities will not enter the RSS limitation of any other station requiring nighttime protection consideration within the arc of the proposed augmentation.

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<sup>1</sup>Although the KTOK 25% exclusion RSS will actually increase from 3.293 mV/m to 3.380 mV/m as a result of the WMVP modifications, this is an anomaly which results from the fact that CBW - Winnipeg, Manitoba, which does not enter the present KTOK 25% exclusion RSS limit, enters this RSS limit as a result of the reduction in WMVP's contribution. This should not be an obstacle to the grant of the attached application since the proposed modifications result in a reduction in WMVP's contribution to this RSS limit.

KOMO 1000KHZ  
0.500 mV/m ; 50 PERCENT  
SKYWAVE CONTOUR  
(Modified Domestic Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	DISTANCE TO CONTOUR (km)
0.0	4551.9	10.6	4159.6	882.8	57.1	859.8
0.0	4551.9	54.6	388.0	241.0	53.9	134.5
5.0	4667.1	10.5	4276.8	890.1	57.2	867.3
5.0	4667.1	55.6	381.9	238.3	53.9	129.6
10.0	4720.3	10.5	4330.4	892.7	57.2	870.0
10.0	4720.3	56.7	378.3	236.8	53.9	126.7
15.0	4769.0	10.4	4383.4	896.5	57.3	873.9
15.0	4769.0	57.5	370.5	233.5	53.9	120.6
20.0	4780.2	10.4	4399.7	898.3	57.3	875.8
20.0	4780.2	58.8	363.6	230.6	53.9	114.8
25.0	4718.2	10.4	4341.1	895.0	57.2	872.4
25.0	4718.2	59.5	359.9	229.1	53.8	111.7
30.0	4551.4	10.6	4173.8	883.2	57.1	860.3
30.0	4551.4	59.2	361.2	229.7	53.8	112.9
35.0	4285.1	11.0	3902.5	861.9	56.9	838.4
35.0	4285.1	58.0	367.4	232.4	53.9	118.3
40.0	3959.5	11.5	3569.1	833.3	56.6	808.9
40.0	3959.5	56.4	376.6	236.4	53.9	126.0
45.0	3621.4	12.1	3224.1	800.7	56.4	775.3
45.0	3621.4	55.0	384.9	240.0	53.9	132.7
50.0	3315.2	12.8	2917.7	769.4	56.1	742.9
50.0	3315.2	54.7	386.3	240.8	53.9	134.1
55.0	2926.7	13.9	2519.0	721.5	55.7	693.2
55.0	2926.7	53.0	397.3	245.5	53.8	142.4
60.0	2394.0	16.3	1939.7	635.7	55.2	603.4
60.0	2394.0	47.6	443.4	264.3	53.9	172.8
65.0	1763.0	23.7	1087.8	463.7	54.6	418.3
65.0	1763.0	33.5	671.9	346.1	54.2	282.5
70.0	1218.7	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
75.0	837.0	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
80.0	502.1	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
85.0	418.4	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
90.0	479.0	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
95.0	585.9	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
100.0	642.9	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
105.0	617.7	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
110.0	576.0	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
115.0	567.1	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
120.0	641.5	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
125.0	869.4	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
130.0	1201.7	* * * * *	CONTOUR NOT GENERATED	* * * * *	* * * * *	
135.0	1584.5	22.6	1031.6	481.8	52.4	438.3
135.0	1584.5	34.7	605.0	336.7	52.7	270.9
140.0	1986.0	16.1	1590.8	641.5	51.7	609.5
140.0	1986.0	41.6	490.8	291.8	52.8	212.5
145.0	2473.9	12.4	2178.1	789.6	51.1	763.8
145.0	2473.9	48.0	422.1	262.7	52.9	170.3
150.0	2907.6	10.2	2667.8	905.7	50.5	883.3

TABLE 16.0

KOMO 0.5 mV/m, 50%  
SKYWAVE CONTOUR

Sports Radio Chicago, LLC  
Chicago, IL

KOMO 1000KHZ (cont'd)  
0.500 mV/m ; 50 PERCENT  
SKYWAVE CONTOUR  
(Modified Domestic Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	DISTANCE TO CONTOUR (km)
150.0	2907.6	51.4	394.4	250.5	52.9	150.8
155.0	3180.1	9.2	2965.3	977.3	50.0	956.6
155.0	3180.1	51.0	397.2	251.9	52.8	153.2
160.0	3518.7	8.0	3337.0	1063.4	49.5	1044.4
160.0	3518.7	52.9	383.4	245.9	52.8	143.1
165.0	3862.1	7.1	3710.4	1148.5	48.9	1131.0
165.0	3862.1	55.5	367.8	238.8	52.8	130.4
170.0	4105.6	6.4	3973.0	1210.0	48.5	1193.4
170.0	4105.6	56.6	361.4	235.8	52.8	125.0
175.0	4266.4	6.0	4145.8	1252.6	48.1	1236.5
175.0	4266.4	56.9	359.5	235.0	52.8	123.4
180.0	4383.6	5.7	4271.7	1284.3	47.8	1268.6
180.0	4383.6	57.3	357.7	234.2	52.8	121.9
185.0	4464.2	5.5	4358.4	1306.6	47.6	1291.2
185.0	4464.2	57.7	355.4	233.2	52.8	119.9
190.0	4502.8	5.4	4400.4	1318.2	47.5	1302.9
190.0	4502.8	58.1	353.7	232.2	52.8	118.0
195.0	4470.6	5.5	4367.2	1312.6	47.5	1297.3
195.0	4470.6	58.1	353.4	232.3	52.8	118.1
200.0	4384.7	5.6	4276.8	1293.5	47.6	1277.9
200.0	4384.7	57.8	354.7	232.8	52.8	119.2
205.0	4253.1	5.9	4137.7	1262.4	47.8	1246.5
205.0	4253.1	57.5	356.3	233.5	52.8	120.6
210.0	4085.3	6.3	3959.7	1221.8	48.1	1205.3
210.0	4085.3	57.3	357.6	234.1	52.8	121.7
215.0	3868.0	6.9	3728.3	1168.4	48.4	1151.2
215.0	3868.0	56.9	360.0	235.2	52.8	123.7
220.0	3590.7	7.6	3431.1	1099.8	48.9	1081.5
220.0	3590.7	56.0	364.6	237.3	52.8	127.8
225.0	3276.6	8.6	3092.8	1021.0	49.4	1001.2
225.0	3276.6	54.9	370.9	240.1	52.8	132.9
230.0	2959.3	9.7	2750.0	939.3	49.9	917.8
230.0	2959.3	54.2	375.7	242.3	52.8	136.7
235.0	2633.1	11.1	2396.9	853.4	50.4	829.6
235.0	2633.1	53.4	380.9	244.6	52.9	140.8
240.0	2286.7	13.0	2019.8	758.9	50.9	732.1
240.0	2286.7	51.9	391.2	249.0	52.9	148.4
245.0	1967.5	15.3	1673.3	667.9	51.4	637.2
245.0	1967.5	50.3	403.6	254.4	52.9	157.3
250.0	1743.3	17.3	1441.0	602.7	51.8	568.6
250.0	1743.3	49.3	411.6	257.8	52.9	162.6
255.0	1627.8	18.5	1333.2	569.9	52.1	533.7
255.0	1627.8	48.9	415.6	259.2	53.0	164.8
260.0	1585.2	19.1	1292.9	555.5	52.3	518.3
260.0	1585.2	48.3	421.7	261.4	53.0	168.3
265.0	1604.0	19.1	1305.5	555.6	52.5	518.4
265.0	1604.0	47.7	427.9	263.7	53.1	171.8
270.0	1657.1	18.8	1348.1	563.4	52.7	526.7

TABLE 16.0 (Cont'd)

KOMO 1000KHZ (cont'd)  
0.500 mV/m ; 50 PERCENT  
SKYWAVE CONTOUR  
(Modified Domestic Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	DISTANCE TO CONTOUR (km)
270.0	1657.1	47.3	432.6	265.3	53.1	174.3
275.0	1700.2	18.6	1377.3	567.2	52.9	530.8
275.0	1700.2	46.8	438.7	267.5	53.2	177.6
280.0	1701.2	19.0	1358.6	558.6	53.1	521.6
280.0	1701.2	45.8	450.2	271.7	53.3	183.9
285.0	1649.9	20.0	1277.4	534.2	53.3	495.4
285.0	1649.9	44.0	470.3	279.5	53.3	195.2
290.0	1556.8	22.0	1135.5	493.9	53.5	451.6
290.0	1556.8	41.2	508.1	293.9	53.4	215.3
295.0	1452.9	25.5	934.8	435.4	53.6	386.8
295.0	1452.9	36.3	590.5	324.1	53.5	255.0
300.0	1388.7	* * * * * CONTOUR NOT GENERATED				* * * * *
305.0	1427.6	* * * * * CONTOUR NOT GENERATED				* * * * *
310.0	1595.8	* * * * * CONTOUR NOT GENERATED				* * * * *
315.0	1859.9	21.2	1249.3	508.1	54.3	467.1
315.0	1859.9	34.3	646.7	339.9	53.9	274.8
320.0	2173.7	17.8	1635.8	588.5	54.7	553.5
320.0	2173.7	37.7	575.8	314.7	54.0	243.0
325.0	2534.2	15.5	2046.3	659.5	55.1	628.4
325.0	2534.2	40.9	524.3	295.5	54.0	217.6
330.0	2922.6	13.9	2471.9	721.3	55.5	693.0
330.0	2922.6	44.1	481.5	279.1	54.0	194.7
335.0	3287.6	12.8	2858.9	768.9	55.8	742.4
335.0	3287.6	46.6	453.6	268.1	54.0	178.6
340.0	3596.7	12.1	3178.3	802.2	56.1	776.9
340.0	3596.7	48.1	439.7	262.4	54.0	169.8
345.0	3839.5	11.7	3423.8	824.2	56.4	799.6
345.0	3839.5	48.6	435.5	260.4	54.0	166.7
350.0	4088.3	11.3	3679.1	845.7	56.7	821.7
350.0	4088.3	50.1	422.7	255.1	54.0	158.4
355.0	4339.1	10.9	3939.0	866.4	56.9	843.0
355.0	4339.1	52.4	404.4	247.6	54.0	146.0

TABLE 16.0 (Cont'd)

TABLE 16.1

KOMO 0.5 mV/m NIGHTTIME  
GROUNDWAVE CONTOUR  
 Sports Radio Chicago, LLC  
 Chicago, IL

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance(km))</u>	<u>0.5 mV/m Contour (km)</u>
20	4780.2	5000/10.7, 4/14.8, 5000/17.5, 4	166.68
25	4718.2	5000/9.4, 4/16.4, 5000/17,4	163.73
30	4551.4	5000/8.4, 4	160.56
35	4285.1	5000/7.7, 4	156.61
40	3959.5	5000/7.2, 4	151.73
45	3621.4	5000/6.7, 4	146.48
50	3315.2	5000/6.4, 4	141.41
55	2926.7	5000/6.1, 4	134.63
60	2394.0	5000/5.9, 4	124.28
65	1763.0	5000/5.8, 4	109.87
70	1218.7	5000/5.7, 4	94.44
75	837.0	5000/5.6, 4	80.83
80	502.1	5000/5.6, 4	65.40
85	418.4	5000/5.7, 4	60.67
90	479.0	5000/5.7, 4	64.19
95	585.9	5000/5.9, 4	69.83
100	642.9	5000/6, 4	72.65
105	617.7	5000/6.3, 4	71.57
110	576.0	5000/6.6, 4	69.69
115	567.1	5000/7, 4	69.45
120	641.5	5000/7.5, 4	73.31
125	869.4	5000/8.2, 4	83.39
130	1201.7	5000/9.1, 4	95.61

TABLE 16.1 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>0.5 mV/m Contour (km)</u>
135	1584.5	5000/10.2, 4	107.52
140	1986.0	5000/11.8, 4	118.55
145	2473.9	5000/14.2, 4	130.58
150	2907.6	5000/15.1, 4	139.42
155	3180.1	5000/15.1, 4	144.17
160	3518.7	5000/15.2, 4	149.81
165	3862.1	5000/15.5, 4	155.20
170	4105.6	5000/15.9, 4	158.96
175	4266.4	5000/16.4, 4	161.56
180	4383.6	5000/20.8, 4	166.20

All conductivity data extracted from FCC Figure M3.



XEOY 1000KHZ  
0.500 mV/m ; 50 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
0.0	1163.3	19.7	1014.1	502.7
5.0	1163.3	19.7	1014.1	502.7
10.0	1163.3	19.7	1014.1	502.7
15.0	1163.3	19.7	1014.1	502.7
20.0	1163.3	19.7	1014.1	502.7
25.0	1163.3	19.7	1014.1	502.7
30.0	1163.3	19.7	1014.1	502.7
35.0	1163.3	19.7	1014.1	502.7
40.0	1163.3	19.7	1014.1	502.7
45.0	1163.3	19.7	1014.1	502.7
50.0	1163.3	19.7	1014.1	502.7
55.0	1163.3	19.7	1014.1	502.7
60.0	1163.3	19.7	1014.1	502.7
65.0	1163.3	19.7	1014.1	502.7
70.0	1163.3	19.7	1014.1	502.7
75.0	1163.3	19.7	1014.1	502.7
80.0	1163.3	19.7	1014.1	502.7
85.0	1163.3	19.7	1014.1	502.7
90.0	1163.3	19.7	1014.1	502.7
95.0	1163.3	19.7	1014.1	502.7
100.0	1163.3	19.7	1014.1	502.7
105.0	1163.3	19.7	1014.1	502.7
110.0	1163.3	19.7	1014.1	502.7
115.0	1163.3	19.7	1014.1	502.7
120.0	1163.3	19.7	1014.1	502.7
125.0	1163.3	19.7	1014.1	502.7
130.0	1163.3	19.7	1014.1	502.7
135.0	1163.3	19.7	1014.1	502.7
140.0	1163.3	19.7	1014.1	502.7
145.0	1163.3	19.7	1014.1	502.7
150.0	1163.3	19.7	1014.1	502.7
155.0	1163.3	19.7	1014.1	502.7
160.0	1163.3	19.7	1014.1	502.7
165.0	1163.3	19.7	1014.1	502.7
170.0	1163.3	19.7	1014.1	502.7
175.0	1163.3	19.7	1014.1	502.7
180.0	1163.3	19.7	1014.1	502.7
185.0	1163.3	19.7	1014.1	502.7
190.0	1163.3	19.7	1014.1	502.7
195.0	1163.3	19.7	1014.1	502.7
200.0	1163.3	19.7	1014.1	502.7
205.0	1163.3	19.7	1014.1	502.7
210.0	1163.3	19.7	1014.1	502.7
215.0	1163.3	19.7	1014.1	502.7
220.0	1163.3	19.7	1014.1	502.7
225.0	1163.3	19.7	1014.1	502.7
230.0	1163.3	19.7	1014.1	502.7
235.0	1163.3	19.7	1014.1	502.7

TABLE 16.2

XEOY 0.5 mV/m, 50%  
SKYWAVE CONTOUR

Sports Radio Chicago, LLC  
Chicago, IL

XEOY 1000KHZ (cont'd)  
0.500 mV/m ; 50 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
240.0	1163.3	19.7	1014.1	502.7
245.0	1163.3	19.7	1014.1	502.7
250.0	1163.3	19.7	1014.1	502.7
255.0	1163.3	19.7	1014.1	502.7
260.0	1163.3	19.7	1014.1	502.7
265.0	1163.3	19.7	1014.1	502.7
270.0	1163.3	19.7	1014.1	502.7
275.0	1163.3	19.7	1014.1	502.7
280.0	1163.3	19.7	1014.1	502.7
285.0	1163.3	19.7	1014.1	502.7
290.0	1163.3	19.7	1014.1	502.7
295.0	1163.3	19.7	1014.1	502.7
300.0	1163.3	19.7	1014.1	502.7
305.0	1163.3	19.7	1014.1	502.7
310.0	1163.3	19.7	1014.1	502.7
315.0	1163.3	19.7	1014.1	502.7
320.0	1163.3	19.7	1014.1	502.7
325.0	1163.3	19.7	1014.1	502.7
330.0	1163.3	19.7	1014.1	502.7
335.0	1163.3	19.7	1014.1	502.7
340.0	1163.3	19.7	1014.1	502.7
345.0	1163.3	19.7	1014.1	502.7
350.0	1163.3	19.7	1014.1	502.7
355.0	1163.3	19.7	1014.1	502.7

TABLE 16.2 (Cont'd)

TABLE 16.3

XEOY 0.5 mV/m NIGHTTIME  
GROUNDWAVE CONTOUR  
 Sports Radio Chicago, LLC  
 Chicago, IL

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance(km))</u>	<u>0.5 mV/m Contour (km)</u>
300	1163.3	3/12.7, 4/74.2, 2	85.47
305	1163.3	3/14.1, 4/70.9, 2/80.4, 10	87.90
310	1163.3	3/15.9, 4/68.4, 10	97.00
315	1163.3	3/18.3, 4/64.4, 10	98.24
320	1163.3	3/21.9, 4/61.3, 10	98.79
325	1163.3	3/27.6, 4/59.4, 10	98.28
330	1163.3	3/34.9, 4/59.3, 10	96.52
335	1163.3	3/45.7, 4/59.7, 10	94.01
340	1163.3	3/61.2, 10	90.29
345	1163.3	3/65.8, 10	87.31
350	1163.3	3/71.7, 10	83.64
355	1163.3	3/71.1, 4	80.17
0	1163.3	3/70.1, 4	80.29
5	1163.3	3/69.6, 4	80.35
10	1163.3	3/69.6, 4	80.35
15	1163.3	3/69.5, 4	80.36
20	1163.3	3/69.9, 4	80.32
25	1163.3	3/70.8, 4	80.21
30	1163.3	3/72.3, 4	80.03
35	1163.3	3/74.4, 4	79.78
40	1163.3	3/77.3, 4	79.45
45	1163.3	3	79.23
50	1163.3	3	79.23

TABLE 16.3 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Radiation (mV/m at 1 km)</u>	<u>Conductivities (mmhos/m/ending distance (km))</u>	<u>0.5 mV/m Contour (km)</u>
55	1163.3	3	79.23
60	1163.3	3	79.23
65	1163.3	3	79.23
70	1163.3	3	79.23
75	1163.3	3	79.23
80	1163.3	3	79.23
85	1163.3	3	79.23
90	1163.3	3	79.23
95	1163.3	3	79.23
100	1163.3	3	79.23
105	1163.3	3/77.7, 4	79.40
110	1163.3	3/70.7, 4	80.22
115	1163.3	3/65.3, 4	80.86
120	1163.3	3/61.1, 4	81.37
125	1163.3	3/57.9, 4	81.78
130	1163.3	3/55.3, 4	82.10
135	1163.3	3/53.4, 4	82.35
140	1163.3	3/52, 4	82.53

All conductivity data extracted from the Region 2 Conductivity Map.

WMVP PROPOSED 1000KHZ  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Modified Domestic Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	DISTANCE TO CONTOUR (km)
0.0	3050.6	0.0- 0.0	3050.6	3355.8	67.5	3349.8
5.0	3291.6	0.0- 0.0	3291.6	3435.4	68.0	3429.6
10.0	3507.4	0.0- 0.0	3507.4	3502.9	68.2	3497.2
15.0	3695.0	0.0- 0.0	3695.0	3558.9	68.2	3553.3
20.0	3853.2	0.0- 0.0	3853.2	3604.4	68.0	3598.8
25.0	3981.9	0.0- 0.0	3981.9	3640.2	67.5	3634.7
30.0	4082.4	0.0- 0.0	4082.4	3667.7	66.8	3662.2
35.0	4157.1	0.0- 0.0	4157.1	3687.6	65.9	3682.2
40.0	4209.2	0.0- 0.0	4209.2	3701.4	64.8	3696.0
45.0	4242.3	0.0- 0.0	4242.3	3710.1	63.7	3704.7
50.0	4260.1	0.0- 0.0	4260.1	3714.8	62.4	3709.4
55.0	4266.4	0.0- 0.0	4266.4	3716.4	61.1	3711.0
60.0	4264.5	0.0- 0.0	4264.5	3779.9	59.8	3774.6
65.0	4257.2	0.0- 0.0	4257.2	4123.6	58.5	4118.7
70.0	4246.7	0.0- 0.0	4246.7	4572.9	56.9	4568.5
75.0	4234.5	0.0- 0.0	4234.5	5179.6	54.7	5175.7
80.0	4221.3	0.0- 0.0	4221.3	6026.6	51.6	6023.3
85.0	4207.0	0.0- 0.0	4207.0	7196.1	47.2	7193.3
90.0	4190.7	0.0- 0.0	4190.7	8522.7	41.5	8520.4
95.0	4170.7	0.0- 0.0	4170.7	11062.0	31.5	11060.2
100.0	4144.9	0.0- 0.0	4144.9	12907.4	22.7	12905.9
105.0	4110.4	0.0- 0.0	4110.4	13803.3	16.8	13801.9
110.0	4064.1	0.0- 0.0	4064.1	14263.3	12.4	14261.9
115.0	4002.7	0.0- 0.0	4002.7	14476.4	9.0	14475.0
120.0	3922.9	0.0- 0.0	3922.9	14527.3	6.2	14525.9
125.0	3822.0	0.0- 0.0	3822.0	14460.9	4.0	14459.5
130.0	3697.8	0.0- 0.0	3697.8	14303.8	2.2	14302.4
135.0	3548.9	0.0- 0.0	3548.9	14072.9	0.9	14071.5
140.0	3375.1	0.0- 0.0	3375.1	13778.6	0.1	13777.1
145.0	3177.5	0.0- 0.0	3177.5	13426.6	-0.3	13425.1
150.0	2958.4	0.0- 0.0	2958.4	13018.7	-0.3	13017.2
155.0	2721.5	0.0- 0.0	2721.5	12553.4	0.3	12551.8
160.0	2471.4	0.0- 0.0	2471.4	12025.4	1.4	12023.7
165.0	2213.6	0.0- 0.0	2213.6	11426.3	3.0	11424.6
170.0	1953.9	0.0- 0.0	1953.9	10746.0	5.3	10744.1
175.0	1698.1	0.0- 0.0	1698.1	9972.6	8.2	9970.6
180.0	1451.8	0.0- 0.0	1451.8	9097.8	11.8	9095.6
185.0	1219.6	0.0- 0.0	1219.6	8122.0	16.0	8119.5
190.0	1005.2	0.0- 0.0	1005.2	7064.0	20.8	7061.2
195.0	811.6	0.0- 0.0	811.6	5969.2	25.9	5965.8
200.0	640.1	0.0- 0.0	640.1	4902.6	31.0	4898.5
205.0	491.2	0.0- 0.0	491.2	3928.3	35.6	3923.2
210.0	364.9	0.0- 0.0	364.9	3086.1	39.6	3079.6
215.0	261.8	0.0- 0.0	261.8	2489.9	42.5	2481.9
220.0	184.9	0.0- 2.3	184.9	2001.1	44.9	1991.1
225.0	143.0	1.1- 4.2	142.9	1699.6	46.4	1687.8
230.0	142.9	1.1- 4.3	142.8	1685.4	46.9	1673.5
235.0	171.3	0.3- 3.2	171.3	1859.9	46.7	1849.1

TABLE 16.4

WMVP PROPOSED  
0.025 mV/m, 10%  
SKYWAVE CONTOUR  
(DOMESTIC STANDARDS)

Sports Radio Chicago, LLC  
Chicago, IL

WMVP PROPOSED 1000KHZ (cont'd)  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Modified Domestic Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	DISTANCE TO CONTOUR (km)
240.0	209.7	0.0- 2.0	209.7	2069.0	46.5	2059.3
245.0	248.7	0.0- 1.0	248.7	2250.2	46.6	2241.3
250.0	284.8	0.0- 0.4	284.8	2388.0	46.9	2379.6
255.0	316.5	0.0- 0.0	316.5	2480.2	47.5	2472.1
260.0	342.9	0.0- 0.0	342.9	2528.7	48.2	2520.8
265.0	363.3	0.0- 0.0	363.3	2536.9	49.0	2529.0
270.0	377.4	0.0- 0.0	377.4	2509.2	50.0	2501.2
275.0	384.0	0.0- 0.1	384.0	2449.9	51.0	2441.7
280.0	383.2	0.0- 0.5	383.2	2365.9	52.0	2357.4
285.0	376.9	0.0- 0.9	376.9	2269.0	52.9	2260.2
290.0	370.0	0.0- 1.4	370.0	2176.0	53.8	2166.8
295.0	372.3	0.0- 1.7	372.3	2110.7	54.6	2101.2
300.0	398.5	0.0- 1.8	398.5	2098.2	55.4	2088.6
305.0	462.7	0.0- 1.6	462.7	2144.9	56.3	2135.6
310.0	571.7	0.0- 1.1	571.7	2227.5	57.2	2218.5
315.0	724.0	0.0- 0.7	724.0	2313.0	58.2	2304.3
320.0	914.5	0.0- 0.4	914.5	2381.8	59.1	2373.4
325.0	1137.4	0.0- 0.2	1137.4	2430.4	60.0	2422.2
330.0	1386.6	0.0- 0.0	1386.6	2600.5	61.3	2592.8
335.0	1655.6	0.0- 0.0	1655.6	2759.4	62.5	2752.1
340.0	1937.7	0.0- 0.0	1937.7	2905.5	63.7	2898.6
345.0	2225.4	0.0- 0.0	2225.4	3038.4	64.9	3031.8
350.0	2511.5	0.0- 0.0	2511.5	3157.6	65.9	3151.3
355.0	2788.7	0.0- 0.0	2788.7	3263.3	66.8	3257.2

TABLE 16.4 (Cont'd)

WMVP PROPOSED 1000KHZ  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
0.0	3050.6	0.0	3050.6	5949.3
5.0	3291.6	0.0	3291.6	6184.3
10.0	3507.4	0.0	3507.4	6390.2
15.0	3695.0	0.0	3695.0	6566.2
20.0	3853.2	0.0	3853.2	6712.6
25.0	3981.9	0.0	3981.9	6830.6
30.0	4082.4	0.0	4082.4	6922.0
35.0	4157.1	0.0	4157.1	6989.6
40.0	4209.2	0.0	4209.2	7036.6
45.0	4242.3	0.0	4242.3	7066.3
50.0	4260.1	0.0	4260.1	7082.3
55.0	4266.4	0.0	4266.4	7087.9
60.0	4264.5	0.0	4264.5	7086.2
65.0	4257.2	0.0	4257.2	7079.6
70.0	4246.7	0.0	4246.7	7070.2
75.0	4234.5	0.0	4234.5	7059.3
80.0	4221.3	0.0	4221.3	7047.4
85.0	4207.0	0.0	4207.0	7034.6
90.0	4190.7	0.0	4190.7	7019.9
95.0	4170.7	0.0	4170.7	7001.9
100.0	4144.9	0.0	4144.9	6978.6
105.0	4110.4	0.0	4110.4	6947.4
110.0	4064.1	0.0	4064.1	6905.4
115.0	4002.7	0.0	4002.7	6849.5
120.0	3922.9	0.0	3922.9	6776.7
125.0	3822.0	0.0	3822.0	6683.9
130.0	3697.8	0.0	3697.8	6568.8
135.0	3548.9	0.0	3548.9	6429.3
140.0	3375.1	0.0	3375.1	6264.4
145.0	3177.5	0.0	3177.5	6073.7
150.0	2958.4	0.0	2958.4	5857.8
155.0	2721.5	0.0	2721.5	5618.2
160.0	2471.4	0.0	2471.4	5357.2
165.0	2213.6	0.0	2213.6	5077.5
170.0	1953.9	0.0	1953.9	4782.5
175.0	1698.1	0.0	1698.1	4475.6
180.0	1451.8	0.0	1451.8	4153.1
185.0	1219.6	0.0	1219.6	3825.2
190.0	1005.2	0.0	1005.2	3508.7
195.0	811.6	0.0	811.6	3197.9
200.0	640.1	0.0	640.1	2891.3
205.0	491.2	0.0	491.2	2597.5
210.0	364.9	0.0	364.9	2314.7
215.0	261.8	0.7	261.7	2060.2
220.0	184.9	1.8	184.4	1839.4
225.0	143.0	2.6	142.4	1697.1
230.0	142.9	2.6	142.5	1697.6
235.0	171.3	2.0	171.1	1795.9

TABLE 16.5

WMVP PROPOSED 0.025 mV/m, 10%  
SKYWAVE CONTOUR  
(MEXICAN STANDARDS)

Sports Radio Chicago, LLC  
Chicago, IL

WMVP PROPOSED 1000KHZ (cont'd)  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
240.0	209.7	1.4	209.5	1914.7
245.0	248.7	0.9	248.6	2022.2
250.0	284.8	0.4	284.8	2122.9
255.0	316.5	0.0	316.5	2205.2
260.0	342.9	0.0	342.9	2267.6
265.0	363.3	0.0	363.3	2311.2
270.0	377.4	0.0	377.4	2341.2
275.0	384.0	0.0	384.0	2354.7
280.0	383.2	0.0	383.2	2353.1
285.0	376.9	0.0	376.9	2340.2
290.0	370.0	0.0	370.0	2325.7
295.0	372.3	0.0	372.3	2330.6
300.0	398.5	0.0	398.5	2382.5
305.0	462.7	0.0	462.7	2543.0
310.0	571.7	0.0	571.7	2763.1
315.0	724.0	0.0	724.0	3048.9
320.0	914.5	0.0	914.5	3370.7
325.0	1137.4	0.0	1137.4	3701.7
330.0	1386.6	0.0	1386.6	4072.1
335.0	1655.6	0.0	1655.6	4422.8
340.0	1937.7	0.0	1937.7	4763.6
345.0	2225.4	0.0	2225.4	5090.6
350.0	2511.5	0.0	2511.5	5399.6
355.0	2788.7	0.0	2788.7	5686.9

TABLE 16.5 (Cont'd)



WMVP(LIC.) 1000KHZ  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
0.0	2464.6	0.0	2464.6	5349.9
5.0	2723.8	0.0	2723.8	5620.6
10.0	2974.2	0.0	2974.2	5873.5
15.0	3210.4	0.0	3210.4	6105.8
20.0	3428.0	0.0	3428.0	6314.9
25.0	3623.6	0.0	3623.6	6499.5
30.0	3795.3	0.0	3795.3	6659.2
35.0	3942.3	0.0	3942.3	6794.4
40.0	4065.2	0.0	4065.2	6906.4
45.0	4165.2	0.0	4165.2	6996.9
50.0	4244.5	0.0	4244.5	7068.3
55.0	4305.6	0.0	4305.6	7123.1
60.0	4351.1	0.0	4351.1	7163.7
65.0	4383.5	0.0	4383.5	7192.6
70.0	4405.0	0.0	4405.0	7211.7
75.0	4417.1	0.0	4417.1	7222.5
80.0	4421.1	0.0	4421.1	7226.0
85.0	4417.1	0.0	4417.1	7222.5
90.0	4405.0	0.0	4405.0	7211.7
95.0	4383.5	0.0	4383.5	7192.6
100.0	4351.1	0.0	4351.1	7163.7
105.0	4305.6	0.0	4305.6	7123.1
110.0	4244.5	0.0	4244.5	7068.3
115.0	4165.2	0.0	4165.2	6996.9
120.0	4103.8	0.0	4103.8	6941.4
125.0	4007.3	0.0	4007.3	6853.7
130.0	3822.2	0.0	3822.2	6684.1
135.0	3623.6	0.0	3623.6	6499.5
140.0	3428.0	0.0	3428.0	6314.9
145.0	3210.4	0.0	3210.4	6105.8
150.0	2974.2	0.0	2974.2	5873.5
155.0	2723.8	0.0	2723.8	5620.6
160.0	2464.6	0.0	2464.6	5349.9
165.0	2202.6	0.0	2202.6	5065.3
170.0	1943.9	0.0	1943.9	4770.9
175.0	1694.3	0.0	1694.3	4470.8
180.0	1458.5	0.0	1458.5	4160.9
185.0	1240.1	0.0	1240.1	3859.0
190.0	1041.1	0.0	1041.1	3565.8
195.0	820.0	0.0	820.0	3213.1
200.0	666.3	0.0	666.3	2941.0
205.0	603.5	0.0	603.5	2823.6
210.0	408.1	0.0	408.1	2400.0
215.0	301.8	0.2	301.7	2168.9
220.0	211.6	1.4	211.4	1919.9
225.0	173.4	2.0	172.5	1800.3
230.0	159.7	2.3	157.8	1750.3
235.0	187.3	1.8	186.0	1844.1

TABLE 16.6

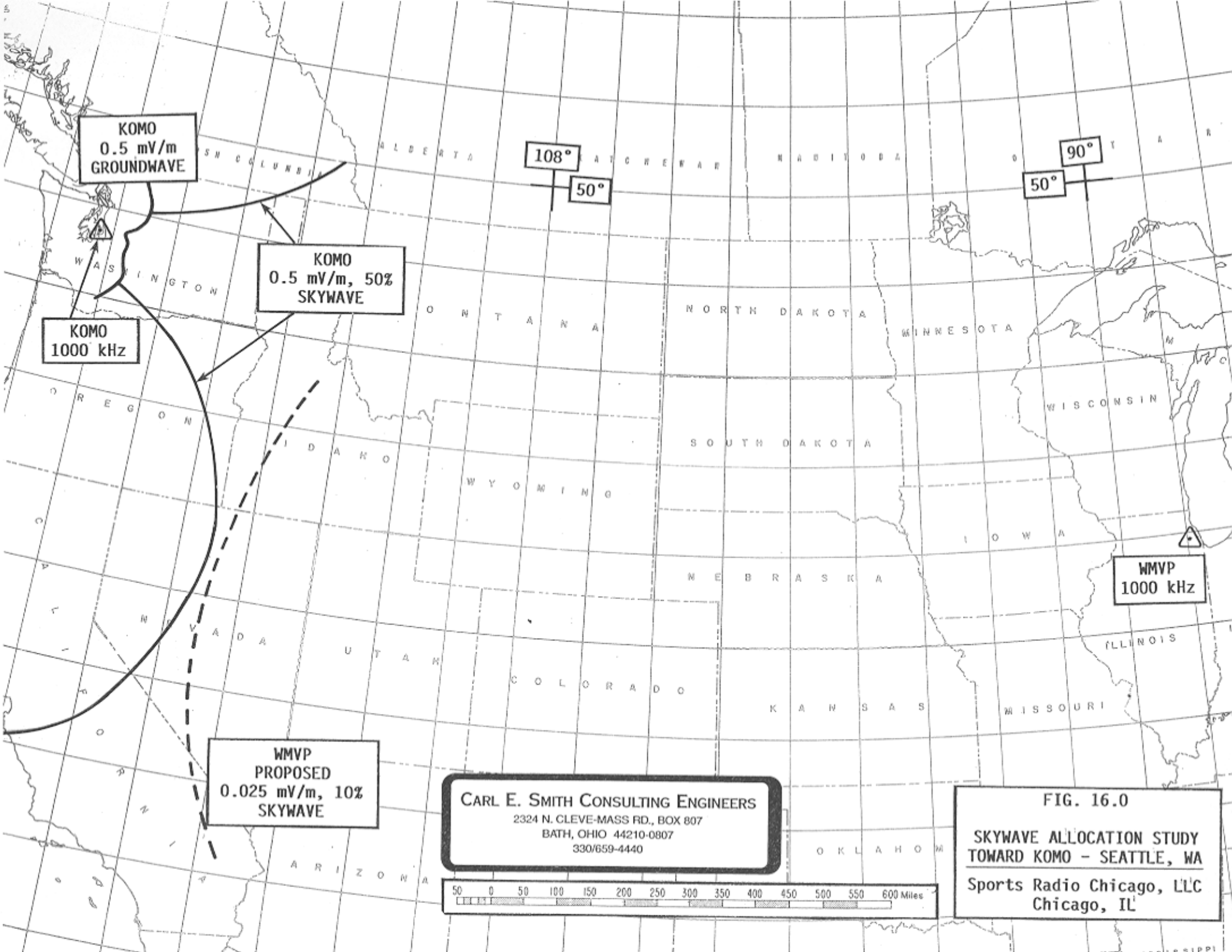
WMVP(LIC.) 0.025 mV/m, 10%  
SKYWAVE CONTOUR  
(MEXICAN STANDARDS)

Sports Radio Chicago, LLC  
Chicago, IL

WMVP(LIC.) 1000KHZ (cont'd)  
0.025 mV/m ; 10 PERCENT  
SKYWAVE CONTOUR  
(Mexican Standards)

BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL ANGLE (Degrees)	VERTICAL ANGLE RADIATION (mV/m @ 1 km)	DISTANCE TO CONTOUR (km)
240.0	230.7	1.1	230.2	1970.8
245.0	272.9	0.5	272.7	2089.4
250.0	306.2	0.1	306.2	2180.2
255.0	327.3	0.0	327.3	2232.1
260.0	334.5	0.0	334.5	2249.0
265.0	327.3	0.0	327.3	2232.1
270.0	306.2	0.1	306.2	2180.2
275.0	272.9	0.5	272.7	2089.4
280.0	230.7	1.1	230.2	1970.8
285.0	241.4	1.0	241.1	1998.8
290.0	209.2	1.4	208.6	1912.1
295.0	209.2	1.4	208.8	1912.5
300.0	273.6	0.5	273.5	2091.4
305.0	323.6	0.0	323.6	2223.0
310.0	433.4	0.0	433.4	2475.1
315.0	559.5	0.0	559.5	2739.2
320.0	701.9	0.0	701.9	3005.3
325.0	861.9	0.0	861.9	3287.3
330.0	1041.1	0.0	1041.1	3565.8
335.0	1240.1	0.0	1240.1	3859.0
340.0	1458.5	0.0	1458.5	4160.9
345.0	1694.3	0.0	1694.3	4470.8
350.0	1943.9	0.0	1943.9	4770.9
355.0	2202.6	0.0	2202.6	5065.3

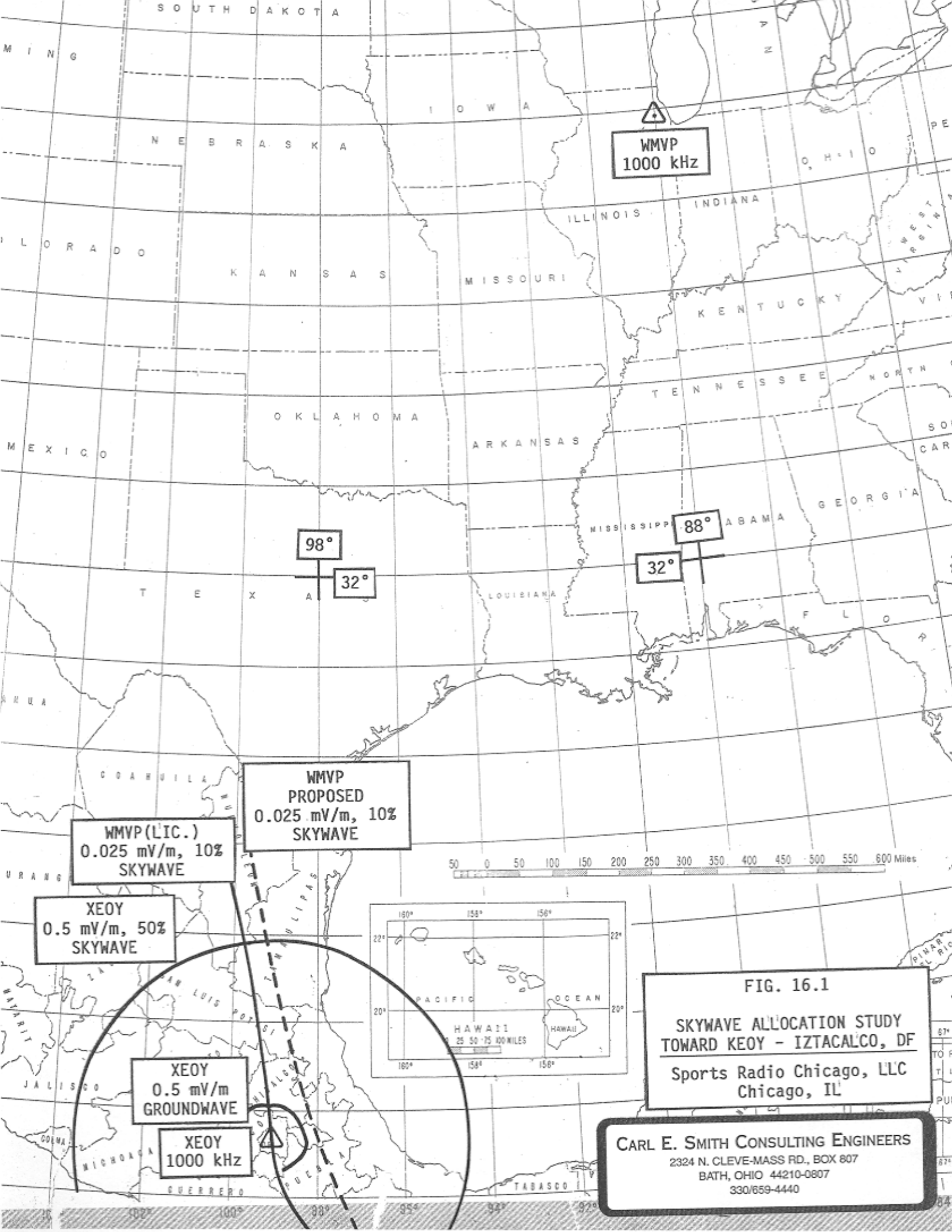
TABLE 16.6 (Cont'd)



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

FIG. 16.0

SKYWAVE ALLOCATION STUDY  
TOWARD KOMO - SEATTLE, WA  
Sports Radio Chicago, LLC  
Chicago, IL



WMVP  
1000 kHz

98°

32°

88°

32°

WMVP  
PROPOSED  
0.025 mV/m, 10%  
SKYWAVE

WMVP(LIC.)  
0.025 mV/m, 10%  
SKYWAVE

XEOY  
0.5 mV/m, 50%  
SKYWAVE

XEOY  
0.5 mV/m  
GROUNDWAVE

XEOY  
1000 kHz

0 50 100 150 200 250 300 350 400 450 500 550 600 Miles

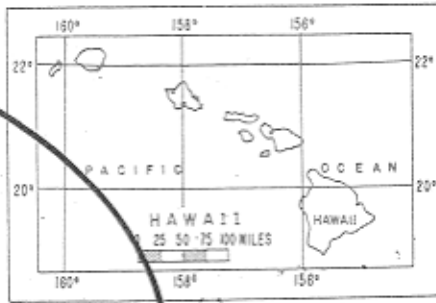


FIG. 16.1  
SKYWAVE ALLOCATION STUDY  
TOWARD XEOY - IZTACALCO, DF  
Sports Radio Chicago, LLC  
Chicago, IL

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

TABLE 16.7  
RSS LIMITATIONS TO KRKS

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KRKS  
LOCATION: DENVER, CO  
FREQUENCY: 990 kHz

LATITUDE: N 39-47-57  
LONGITUDE: W104-58-12

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CBW	WINNIPEG, MB	990	1260.0	1275.8	54.1	210.5	2870.0	3.7- 7.9	2829.7	0.020921	11.840	11.840	11.840
KTKT	TUCSON, AZ	990	998.6	1018.4	44.6	31.2	237.0	6.0- 11.2	235.4	0.045011	2.119		
KFCD	FARMERSVILLE, TX	990	1074.1	1092.5	46.1	316.2	262.0	5.2- 10.1	260.4	0.038925	2.027		
WMWP (PROPOSED)	CHICAGO, IL	1000	1444.1	1457.9	51.0	266.7	368.9	2.4- 6.1	367.4	0.019294	0.142		

TABLE 16.8  
RSS LIMITATIONS TO WGSO

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: WGSO  
LOCATION: NEW ORLEANS, LA  
FREQUENCY: 990 kHz

LATITUDE: N 29-57-24  
LONGITUDE: W 90-04-34

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
WNML	KNOXVILLE, TN	990	888.1	910.3	43.9	222.1	1369.1	7.2-13.1	1330.9	0.054513	14.510	14.510	14.510
KZZB	BEAUMONT, TX	990	391.0	439.2	40.5	92.1	403.0	19.3-30.5	334.1	0.162019	10.826	18.104	18.104
WDYZ	ORLANDO, FL	990	849.2	872.4	40.3	282.5	579.6	7.7-13.8	559.3	0.059924	6.703	19.305	
KFCD	FARMERSVILLE, TX	990	684.6	713.3	41.9	119.2	384.8	10.3-17.7	374.6	0.080744	6.050	20.231	
WMYM	MIAMI, FL	990	1052.7	1071.5	39.0	297.9	614.0	5.4-10.4	609.7	0.044890	5.473	20.958	
KWAM	MEMPHIS, TN	990	575.7	609.4	43.2	179.8	257.0	12.7-21.2	247.8	0.101516	5.032		
CBW	WINNIPEG, MB	990	2296.7	2305.4	50.2	161.5	2870.0	0.0-0.8	2870.0	0.007853	4.507		
WM/P (PROPOSED)	CHICAGO, IL	1000	1332.0	1346.9	46.6	188.7	1057.1	3.2-7.2	1050.4	0.026687	0.561		

TABLE 16.9  
RSS LIMITATIONS TO KWAM  
SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KWAM  
LOCATION: MEMPHIS, TN  
FREQUENCY: 990 kHz

LATITUDE: N 35-08-04  
LONGITUDE: W 90-05-38

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CBW	WINNIPEG, MB	990	1742.0	1753.4	52.8	157.0	2870.0	0.8- 3.9	2868.1	0.011877	6.813	6.813	6.813
WNML	KNOXVILLE, TN	990	569.0	603.1	46.5	261.6	341.1	12.9-21.5	299.2	0.100553	6.018	9.090	9.090
WYFN	NASHVILLE, TN	980	331.1	386.8	46.4	249.9	1250.7	22.7-35.1	975.4	0.193340	3.772	9.842	
WCSO	NEW ORLEANS, LA	990	575.7	609.4	43.2	359.8	178.4	12.7-21.2	172.4	0.101516	3.500	10.446	
WDYZ	ORLANDO, FL	990	1092.9	1111.0	42.9	314.0	372.1	5.0- 9.9	398.7	0.039996	3.189	10.922	
KFCD	FARMERSVILLE, TX	990	611.8	643.6	44.5	66.8	141.9	11.9-20.0	140.5	0.092816	2.607		
WDEO	YPSILANTI, MI	990	971.4	991.7	49.6	217.4	198.2	6.2-11.6	197.7	0.041872	1.655		
WM/P (PROPOSED)	CHICAGO, IL	1000	765.3	791.0	49.1	194.5	829.4	8.9-15.6	786.1	0.062320	0.980		

TABLE 16.10  
RSS LIMITATIONS TO KZZB

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KZZB  
LOCATION: BEAUMONT, TX  
FREQUENCY: 990 kHz

LATITUDE: N 30-08-57  
LONGITUDE: W 94-07-59

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
KFCD	FARMERSVILLE, TX	990	387.5	436.1	41.8	147.8	445.1	19.5-30.8	405.3	0.164187	13.310	13.310	13.310
WNML	KNOXVILLE, TN	990	1155.5	1172.7	43.9	238.4	1008.5	4.5- 9.1	998.0	0.036019	7.190	15.128	15.128
WGS0	NEW ORLEANS, LA	990	391.0	439.2	40.5	274.2	178.4	19.3-30.5	164.9	0.162019	5.344	16.044	
CBW	WINNIPEG, MB	990	2207.1	2216.2	50.0	171.4	2870.0	0.0- 1.2	2870.0	0.008655	4.968	16.796	
WMYM	MIAMI, FL	990	1427.6	1441.5	39.0	292.7	786.4	2.5- 6.3	784.8	0.027788	4.361	17.353	
WDYZ	ORLANDO, FL	990	1239.5	1255.5	40.3	281.2	617.4	3.8- 8.1	612.0	0.033701	4.125		
KWAM	MEMPHIS, TN	990	670.8	700.0	43.1	215.4	229.8	10.6-18.1	225.9	0.082560	3.730		
WM/P (PROPOSED)	CHICAGO, IL	1000	1409.2	1423.3	46.5	205.0	493.5	2.7- 6.4	490.9	0.024203	0.237		



TABLE 16.11  
RSS LIMITATIONS TO KFCD  
SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KFCD  
LOCATION: FARMERSVILLE, TX  
FREQUENCY: 990 kHz

LATITUDE: N 33-07-01  
LONGITUDE: W 96-16-47

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CBW	WINNIPEG, MB	990	1861.7	1872.4	51.4	176.4	2870.0	0.2- 3.1	2869.9	0.011383	6.533	6.533	6.533
KZZB	BEAUMONT, TX	990	387.5	436.1	41.8	328.9	246.1	19.5-30.8	189.1	0.164187	6.210	9.014	9.014
KWAM	MEMPHIS, TN	990	611.8	643.6	44.5	250.3	285.8	11.9-20.0	274.7	0.092816	5.099	10.356	10.356
WNML	KNOXVILLE, TN	990	1178.0	1194.9	45.3	257.6	438.9	4.3- 8.8	433.3	0.033943	2.942	10.766	
WGSO	NEW ORLEANS, LA	990	684.6	713.3	41.9	302.5	178.4	10.3-17.7	174.4	0.080744	2.817	11.128	
WDYZ	ORLANDO, FL	990	1500.1	1513.4	41.8	293.4	576.4	2.1- 5.7	575.8	0.024170	2.783	11.471	
KTOK	OKLAHOMA CITY, OK	1000	271.9	337.5	44.2	156.1	672.6	27.3-40.7	544.4	0.234538	2.554		
KRKS	DENVER, CO	990	1074.1	1092.5	46.1	131.1	272.2	5.2-10.1	270.4	0.038925	2.105		
WMVP (PROPOSED)	CHICAGO, IL	1000	1211.6	1228.0	47.9	219.7	193.7	4.0- 8.4	191.2	0.030233	0.112		

TABLE 16.12  
RSS LIMITATIONS TO KCEO

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KCEO  
LOCATION: VISTA, CA  
FREQUENCY: 1000 kHz

LATITUDE: N 33-13-59  
LONGITUDE: W117-16-09

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
KOMD	SEATTLE, WA	1000	1640.7	1652.9	47.0	162.8	3719.6	1.3- 4.6	3714.4	0.018075	13.428	13.428	13.428
ZYK-522	SAO PAULO 1, BR	1000	9781.5	9783.5	17.2	307.8	6211.2	0.0- 0.0	6211.2	0.001342	1.667		
KCHJ	DELANO, CA	1010	342.8	396.8	41.5	146.2	472.7	22.0-34.1	400.5	0.186819	1.496		
WMWP (PROPOSED)	CHICAGO, IL	1000	2736.4	2743.7	47.6	259.2	339.5	0.0- 0.0	339.5	0.006335	0.430		

TABLE 16.13  
RSS LIMITATIONS TO KCE0(APP; BP-20040109AA)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KCE0(APP; BP-20040109AA)  
LOCATION: VISTA, CA  
FREQUENCY: 1000 kHz

LATITUDE: N 33-13-58  
LONGITUDE: W117-16-11

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
KOMD	SEATTLE, WA	1000	1640.8	1652.9	47.0	162.8	3719.8	1.3- 4.6	3714.6	0.018075	13.428	13.428	13.428
ZYK-522	SAO PAULO 1, BR	1000	9781.5	9783.5	17.2	307.8	6211.2	0.0- 0.0	6211.2	0.001342	1.667		
KCHJ	DELANO, CA	1010	342.8	396.8	41.5	146.2	472.7	22.0-34.1	400.5	0.186819	1.497		
WMWP (PROPOSED)	CHICAGO, IL	1000	2736.4	2743.7	47.6	259.2	339.5	0.0- 0.0	339.5	0.006335	0.430		

TABLE 16.14  
RSS LIMITATIONS TO KTOK  
SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KTOK  
LOCATION: OKLAHOMA CITY, OK  
FREQUENCY: 1000 kHz

LATITUDE: N 35-21-29  
LONGITUDE: W 97-27-48

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
WITH WM/P(LIC.):													
ZYK-522	SAO PAULO 1, BR	1000	8455.7	8458.1	18.0	319.3	6211.2	0.0- 0.0	6211.2	0.001811	2.249	2.249	2.249
HOK 36	RADIO PODERO, PM	1000	3472.9	3478.6	32.8	332.7	978.6	0.0- 0.0	978.6	0.007175	1.404	2.651	2.651
WM/P	CHICAGO, IL	1000	1091.4	1109.6	49.0	231.9	166.9	5.1- 9.9	157.2	0.034987	1.100	2.870	
HCAW2	GUAYAQUIL 2, EC	1000	4558.0	4562.4	27.6	338.0	978.6	0.0- 0.0	978.6	0.005015	0.981	3.033	
YVNM	MDRON, VE	1000	4048.1	4053.0	34.8	317.8	978.6	0.0- 0.0	978.6	0.004942	0.967	3.184	
KFCD	FARMERSVILLE, TX	990	271.9	337.5	44.2	336.7	205.4	27.3-40.7	179.4	0.234538	0.841	3.293	
CBW	WINNIPEG, MB	990	1609.7	1622.1	52.4	179.8	2870.0	1.5- 4.8	2863.4	0.014368	0.823		
KOMD	SEATTLE, WA	1000	2462.7	2470.8	50.4	114.0	566.5	0.0- 0.0	566.5	0.006666	0.755		
WITH PROPOSED WM/P:													
ZYK-522	SAO PAULO 1, BR	1000	8455.7	8458.1	18.0	319.3	6211.2	0.0- 0.0	6211.2	0.001811	2.249	2.249	2.249
HOK 36	RADIO PODERO, PM	1000	3472.9	3478.6	32.8	332.7	978.6	0.0- 0.0	978.6	0.007175	1.404	2.651	2.651
WM/P(PROPOSED)	CHICAGO, IL	1000	1091.4	1109.6	49.0	231.9	151.8	5.1- 9.9	150.7	0.034987	1.054	2.853	
HCAW2	GUAYAQUIL 2, EC	1000	4558.0	4562.4	27.6	338.0	978.6	0.0- 0.0	978.6	0.005015	0.981	3.017	
YVNM	MDRON, VE	1000	4048.1	4053.0	34.8	317.8	978.6	0.0- 0.0	978.6	0.004942	0.967	3.168	
KFCD	FARMERSVILLE, TX	990	271.9	337.5	44.2	336.7	205.4	27.3-40.7	179.4	0.234538	0.841	3.278	
CBW	WINNIPEG, MB	990	1609.7	1622.1	52.4	179.8	2870.0	1.5- 4.8	2863.4	0.014368	0.823	3.380	
KOMD	SEATTLE, WA	1000	2462.7	2470.8	50.4	114.0	566.5	0.0- 0.0	566.5	0.006666	0.755		
HRXZ	TEGUCIGALPA, HO	1000	2574.3	2582.1	35.3	338.3	327.2	0.0- 0.0	327.2	0.011444	0.749		

NOTE: PROPOSED WM/P FACILITIES WILL NOT INCREASE THE RADIATION TOWARD THIS STATION.

TABLE 16.15  
RSS LIMITATIONS TO XEFV(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XEFV(PROPOSED)  
LOCATION: CD. JUAREZ, CH  
FREQUENCY: 1000 kHz

LATITUDE: N 31-41-10  
LONGITUDE: W106-25-47

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KTOK	OKLAHOMA CITY, OK	1000	925.4	246.4	270.5	9.6- 9.6	210.6	0.071239	3.001	3.001
KOMD	SEATTLE, WA	1000	2217.7	136.5	1706.4	0.0- 0.0	1706.4	0.007777	2.654	4.006
KCEO	VISTA, CA	1000	1030.8	96.7	64.1	8.2- 8.2	63.3	0.060801	0.769	
ZYK-522	SAO PAULO 1, BR	1000	8836.7	311.6	6211.2	0.0- 0.0	6211.2	0.000397	0.493	
WMWP(PROPOSED)	CHICAGO, IL	1000	1985.0	241.4	224.4	1.0- 1.0	224.2	0.010612	0.468	

TABLE 16.16  
RSS LIMITATIONS TO XE(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XE(PROPOSED)  
LOCATION: HIDALGO DEL PARRAL, CH  
FREQUENCY: 1000 kHz

LATITUDE: N 26-56-41  
LONGITUDE: W105-39-50

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KOMD	SEATTLE, WA	1000	2709.4	141.4	2100.3	0.0- 0.0	2100.3	0.004587	1.927	1.927
KCEO	VISTA, CA	1000	1315.9	119.0	148.2	5.3- 5.3	146.9	0.037227	1.094	2.216
KTOK	OKLAHOMA CITY, OK	1000	1217.0	222.0	118.1	6.2- 6.2	102.6	0.044454	0.912	
HOK 36	RADIO PODERO, PM	1000	3365.7	311.3	978.6	0.0- 0.0	978.6	0.002744	0.537	
WMVP(PROPOSED)	CHICAGO, IL	1000	2307.0	229.8	149.4	0.0- 0.0	149.4	0.006915	0.197	

TABLE 16.17  
RSS LIMITATIONS TO XETAC1(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XETAC1(PROPOSED)  
LOCATION: TAPACHULA, CS  
FREQUENCY: 1000 kHz

LATITUDE: N 14-53-24  
LONGITUDE: W 92-13-45

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
HRXZ	TEGUCIGALPA, HO	1000	546.3	279.7	327.2	18.1- 18.1	304.1	0.117441	7.142	7.142
HOK 36	RADIO PODERO, PM	1000	1472.6	301.2	978.6	4.1- 4.1	974.9	0.027691	5.399	8.953
HCAW2	GUAYAQUIL 2, EC	1000	2334.9	324.8	978.6	0.0- 0.0	978.6	0.006678	1.307	
YVNM	MDRON, VE	1000	2653.5	283.1	978.6	0.0- 0.0	978.6	0.004834	0.946	
WM/P(PROPOSED)	CHICAGO, IL	1000	3021.5	189.0	1046.4	0.0- 0.0	1046.4	0.003521	0.737	

TABLE 16.18  
RSS LIMITATIONS TO XEML1(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XEML1(PROPOSED)  
LOCATION: LOS MCHIS, SI  
FREQUENCY: 1000 kHz

LATITUDE: N 25-49-02  
LONGITUDE: W109-00-53

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KOMD	SEATTLE, WA	1000	2679.3	149.2	2842.4	0.0- 0.0	2842.4	0.004718	2.682	2.682
KCEO	VISTA, CA	1000	1146.9	133.8	204.0	6.9- 6.9	200.9	0.050071	2.012	3.353
KTOK	OKLAHOMA CITY, OK	1000	1529.9	229.3	220.2	3.7- 3.7	212.8	0.024799	1.056	
ZYK-522	SAO PAULO 1, BR	1000	8667.9	305.4	6211.2	0.0- 0.0	6211.2	0.000410	0.509	
WMVP(PROPOSED)	CHICAGO, IL	1000	2620.3	233.9	169.6	0.0- 0.0	169.6	0.004984	0.163	



TABLE 16.19  
RSS LIMITATIONS TO XEMMS(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XEMMS(PROPOSED)  
LOCATION: MAZATLAN, SI  
FREQUENCY: 1000 kHz

LATITUDE: N 23-12-38  
LONGITUDE: W106-22-05

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KOMD	SEATTLE, WA	1000	3051.4	146.5	2626.4	0.0- 0.0	2626.4	0.003447	1.810	1.810
KCEO	VISTA, CA	1000	1541.4	133.5	203.0	3.6- 3.6	202.1	0.024242	0.980	2.058
HOK 36	RADIO PODERO, PM	1000	3217.6	304.1	978.6	0.0- 0.0	978.6	0.003040	0.595	
ZYK-522	SAO PAULO 1, BR	1000	8283.4	304.5	6211.2	0.0- 0.0	6211.2	0.000443	0.551	
WMVP(PROPOSED)	CHICAGO, IL	1000	2680.2	225.2	149.4	0.0- 0.0	149.4	0.004714	0.134	

TABLE 16. 20  
RSS LIMITATIONS TO XENVA2(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XENVA2(PROPOSED)  
LOCATION: SONOITA, SO  
FREQUENCY: 1000 kHz

LATITUDE: N 28-51-00  
LONGITUDE: W110-32-12

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KOMD	SEATTLE, WA	1000	2310.2	149.4	2856.9	0.0- 0.0	2856.9	0.006889	3.936	3.936
KCEO	VISTA, CA	1000	805.1	125.5	173.3	11.6- 11.6	166.1	0.085462	2.839	4.853
KTOK	OKLAHOMA CITY, OK	1000	1426.2	243.2	287.7	4.4- 4.4	274.5	0.030255	1.661	
ZYK-522	SAO PAULO 1, BR	1000	8979.9	307.2	6211.2	0.0- 0.0	6211.2	0.000386	0.480	
WMVP(PROPOSED)	CHICAGO, IL	1000	2489.6	241.8	227.7	0.0- 0.0	227.7	0.005699	0.256	

TABLE 16.21  
RSS LIMITATIONS TO XENLT(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XENLT(PROPOSED)  
LOCATION: NUEVO LAREDO, TA  
FREQUENCY: 1000 kHz

LATITUDE: N 27-28-27  
LONGITUDE: W 99-30-48

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KTOK	OKLAHOMA CITY, OK	1000	897.8	193.1	73.7	10.0- 10.0	68.3	0.073798	1.008	1.008
KOMD	SEATTLE, WA	1000	2982.7	130.0	1203.0	0.0- 0.0	1203.0	0.003627	0.873	1.333
HOK 36	RADIO PODERO, PM	1000	2925.2	319.4	978.6	0.0- 0.0	978.6	0.003799	0.744	1.527
HRXZ	TEGUCIGALPA, HO	1000	1956.4	321.3	327.2	1.2- 1.2	327.1	0.011113	0.727	
ZYK-522	SAO PAULO 1, BR	1000	8021.8	312.0	6211.2	0.0- 0.0	6211.2	0.000469	0.582	
WMVP(PROPOSED)	CHICAGO, IL	1000	1907.6	216.9	232.6	1.4- 1.4	232.2	0.012072	0.551	

TABLE 16.22  
RSS LIMITATIONS TO XECV1(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XECV1(PROPOSED)  
LOCATION: COATZACOALCOS, VC  
FREQUENCY: 1000 kHz

LATITUDE: N 18-08-08  
LONGITUDE: W 94-25-39

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
HRXZ	TEGUCIGALPA, HO	1000	890.2	301.1	327.2	10.1- 10.1	319.8	0.074904	4.790	4.790
HOK 36	RADIO PODERO, PM	1000	1862.0	307.6	978.6	1.7- 1.7	978.0	0.013042	2.551	5.427
HCAW2	GUAYAQUIL 2, EC	1000	2764.3	325.5	978.6	0.0- 0.0	978.6	0.004368	0.855	
ZYK-522	SAO PAULO 1, BR	1000	6955.0	307.5	6211.2	0.0- 0.0	6211.2	0.000607	0.754	
WMWP(PROPOSED)	CHICAGO, IL	1000	2703.0	195.0	811.7	0.0- 0.0	811.7	0.004613	0.749	

TABLE 16.23  
RSS LIMITATIONS TO XEZCA(PROPOSED)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: XEZCA(PROPOSED)  
LOCATION: SOMBRERETE, ZA  
FREQUENCY: 1000 kHz

LATITUDE: N 23-37-53  
LONGITUDE: W103-38-30

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m) 50% EXCLUSION
KOMD	SEATTLE, WA	1000	3130.0	141.3	2087.9	0.0- 0.0	2087.9	0.003250	1.357	1.357
HOK 36	RADIO PODERO, PM	1000	2997.0	307.5	978.6	0.0- 0.0	978.6	0.003584	0.701	1.527
HRXZ	TEGUCIGALPA, HO	1000	2023.2	304.0	327.2	0.8- 0.8	327.1	0.010042	0.657	
KCEO	VISTA, CA	1000	1704.4	125.3	172.6	2.6- 2.6	172.2	0.017309	0.596	
WMVP(PROPOSED)	CHICAGO, IL	1000	2487.5	220.5	184.5	0.0- 0.0	184.5	0.005709	0.204	

TABLE 16.24  
RSS LIMITATIONS TO KSIR

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KSIR  
LOCATION: BRUSH, CO  
FREQUENCY: 1010 kHz

LATITUDE: N 40-18-50  
LONGITUDE: W103-35-30

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CBR	CALGARY, AB	1010	1427.1	1441.0	54.0	141.8	2051.5	2.5- 6.3	2045.5	0.016398	6.708	6.708	6.708
KXEN	ST. LOUIS, MO	1010	1171.8	1188.7	49.7	282.7	334.5	4.4- 8.9	331.8	0.030200	2.004	7.001	
XEHL	SAN JUAN DE OCOTAN, JA	1010	2180.4	2189.5	39.7	359.7	693.3	0.0- 1.3	693.3	0.013093	1.815	7.232	
KTNZ	AMARILLO, TX	1010	594.2	627.0	47.0	344.2	96.1	12.3- 20.6	96.1	0.094113	1.808		
CFRB	TORONTO, ON	1010	2006.7	2016.7	52.9	268.1	910.1	0.0- 2.3	910.1	0.008670	1.578		
WM/P (PROPOSED)	CHICAGO, IL	1000	1316.7	1331.8	51.3	267.9	372.3	3.3- 7.3	369.4	0.022673	0.168		

TABLE 16.25  
RSS LIMITATIONS TO KXEN

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KXEN  
LOCATION: ST. LOUIS, MO  
FREQUENCY: 1010 kHz

LATITUDE: N 38-46-01  
LONGITUDE: W 90-03-32

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CFRB	TORONTO, ON	1010	1018.6	1038.0	52.2	242.4	808.2	5.7-10.9	780.1	0.034796	5.429	5.429	5.429
WFGW	BLACK MOUNTAIN, NC	1010	767.6	793.2	48.1	299.5	221.2	8.9-15.6	218.6	0.063476	2.776	6.098	6.098
KDKA	PITTSBURGH, PA	1020	887.0	909.3	50.7	260.3	3047.6	7.2-13.1	2890.7	0.046882	2.710	6.673	
WNS	NEW YORK, NY	1010	1379.6	1394.0	51.2	265.8	575.0	2.8-6.7	573.4	0.020894	2.396	7.090	
CBR	CALGARY, AB	1010	2302.5	2311.1	54.8	116.7	1657.3	0.0-0.7	1657.3	0.005293	1.754		
WPPI (CP)	SAUK RAPIDS, MN	1010	831.0	854.7	52.6	154.8	176.2	8.0-14.2	176.5	0.048710	1.719		
WMWP (PROPOSED)	CHICAGO, IL	1000	381.9	431.1	51.0	208.0	413.1	19.8-31.2	305.9	0.157272	0.958		

TABLE 16.26  
RSS LIMITATIONS TO KTNZ  
SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KTNZ  
LOCATION: AMARILLO, TX  
FREQUENCY: 1010 kHz

LATITUDE: N 35-11-03  
LONGITUDE: W101-41-28

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
CBR	CALGARY, AB	1010	2009.1	2019.1	51.8	145.9	2149.4	0.0- 2.2	2149.4	0.009429	4.054	4.054	4.054
XEHL	SAN JUAN DE OCOTAN, JA	1010	1619.2	1631.5	37.3	5.7	693.3	1.4- 4.7	692.9	0.023867	3.308	5.232	5.232
XEKD	CD. ACUNA, CI	1010	657.6	687.3	41.7	353.9	145.4	10.9-18.5	141.8	0.085404	2.422	5.766	
CFRB	TORONTO, ON	1010	2101.5	2111.0	50.3	251.4	1015.4	0.0- 1.7	1015.4	0.009433	1.916	6.076	
KBBW	WACO-MARLIN, TX	1010	600.2	632.7	43.1	314.3	93.6	12.1-20.4	90.4	0.096081	1.737	6.319	
WPPI (CP)	SAUK RAPIDS, MN	1010	1321.9	1336.9	50.2	211.4	339.6	3.2- 7.3	338.6	0.023738	1.607	6.520	
XETX	NUEVO CASAS GRANDES, CH	1010	785.7	810.8	41.8	46.0	119.8	8.6-15.1	118.2	0.066521	1.573		
WMDX	MERIDIAN, MS	1010	1242.5	1258.5	44.1	288.0	248.0	3.8- 8.1	246.2	0.031837	1.568		
WMVP (PROPOSED)	CHICAGO, IL	1000	1399.4	1413.6	48.8	242.7	234.1	2.7- 6.5	233.3	0.022661	0.104		



TABLE 16.27  
LIMITATIONS TO KLAT

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KLAT  
LOCATION: HOUSTON, TX  
FREQUENCY: 1010 kHz

LATITUDE: N 29-51-44  
LONGITUDE: W 95-30-42

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (mV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (mV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (mV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
WMDX	MERIDIAN, MS	1010	710.3	737.9	41.6	248.5	643.0	9.9-17.0	616.8	0.076828	9.477	9.477	9.477
KBBW	WACO-MARLIN, TX	1010	229.1	304.1	40.7	142.3	279.0	31.6-45.7	165.6	0.265991	8.809	12.939	12.939
WQYK	SEFFNER, FL	1010	1306.2	1321.4	39.8	282.3	871.6	3.3-7.4	870.7	0.031268	5.445	14.038	
XEHL	SAN JUAN DE OCOTAN, JA	1010	1292.8	1308.2	35.1	36.5	693.3	3.4-7.6	691.3	0.036277	5.016	14.907	
XEKD	CD. ACUNA, CI	1010	527.1	563.7	39.5	81.9	145.4	14.1-23.2	139.4	0.115391	3.218		
KTNZ	AMARILLO, TX	1010	827.7	851.5	42.3	133.9	230.1	8.0-14.2	227.3	0.061471	2.794		
WMWP (PROPOSED)	CHICAGO, IL	1000	1490.7	1504.0	46.3	209.3	382.5	2.2-5.7	381.1	0.022020	0.167		

TABLE 16.28  
RSS LIMITATIONS TO KBBW(CP)

SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KBBW(CP)  
LOCATION: WACO, TX  
FREQUENCY: 1010 kHz

LATITUDE: N 31-30-07  
LONGITUDE: W 96-57-54

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (nV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (nV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (nV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
WMDX	MERIDIAN, MS	1010	789.8	814.7	42.4	265.0	518.0	8.5-15.0	500.7	0.065800	6.590	6.590	6.590
XEHL	SAN JUAN DE OCOTAN, JA	1010	1363.3	1377.9	35.8	27.0	693.3	3.0- 6.9	691.8	0.032828	4.542	8.004	8.004
KTNZ	AMARILLO, TX	1010	600.1	632.5	43.1	131.7	220.4	12.1-20.4	214.5	0.096111	4.123	9.003	9.003
XEKD	CD. ACUNA, CI	1010	451.5	493.8	40.2	56.3	145.4	16.7-26.9	137.1	0.137536	3.772	9.761	
WQYK	SEFFNER, FL	1010	1471.6	1485.1	40.6	289.0	570.8	2.3- 5.9	572.1	0.025391	2.905	10.184	
CBR	CALGARY, AB	1010	2572.7	2580.5	50.5	140.6	2024.0	0.0- 0.0	2024.0	0.006005	2.431		
CFRB	TORONTO, ON	1010	2021.8	2031.7	48.5	234.5	1015.2	0.0- 2.2	1015.2	0.011320	2.298		
WM/P(PROPOSED)	CHICAGO, IL	1000	1396.9	1411.2	47.1	217.7	220.8	2.7- 6.6	219.5	0.024148	0.104		

TABLE 16.29  
RSS LIMITATIONS TO KBBW  
SPORTS RADIO CHICAGO, LLC  
CHICAGO, IL

CALL SIGN: KBBW  
LOCATION: WACO-MARLIN, TX  
FREQUENCY: 1010 kHz

LATITUDE: N 31-30-02  
LONGITUDE: W 96-57-52

FROM STATION	LOCATION	FREQUENCY (kHz)	DISTANCE (km)	SLANT DISTANCE (km)	MAGNETIC MIDPOINT LATITUDE (Degrees)	BEARING (Degrees)	HORIZONTAL RADIATION (nV/m @ 1 km)	CRITICAL VERTICAL WINDOW (Degrees)	MAXIMUM WINDOW RADIATION (nV/m @ 1 km)	SKYWAVE FIELD (mV/m)	LIMIT (nV/m)	RSS LIMIT (mV/m)	
												25% EXCLUSION	50% EXCLUSION
WMDX	MERIDIAN, MS	1010	789.7	814.7	42.4	265.0	518.1	8.5-15.1	500.9	0.065803	6.592	6.592	6.592
XEHL	SAN JUAN DE OCOYAN, JA	1010	1363.2	1377.7	35.8	27.0	693.3	3.0-6.9	691.8	0.032833	4.543	8.006	8.006
KTNZ	AMARILLO, TX	1010	600.2	632.7	43.1	131.7	220.5	12.1-20.4	214.5	0.096081	4.122	9.005	9.005
XEKD	CD. ACUNA, CI	1010	451.5	493.8	40.2	56.3	145.4	16.7-26.9	137.1	0.137549	3.773	9.763	
WQYK	SEFFNER, FL	1010	1471.5	1485.1	40.6	288.9	571.0	2.3-5.9	572.4	0.025394	2.907	10.187	
CBR	CALGARY, AB	1010	2572.9	2580.6	50.5	140.6	2024.0	0.0-0.0	2024.0	0.006004	2.430		
CFRB	TORONTO, ON	1010	2021.9	2031.8	48.5	234.5	1015.3	0.0-2.2	1015.3	0.011320	2.299		
WMVP (PROPOSED)	CHICAGO, IL	1000	1397.0	1411.3	47.1	217.7	220.9	2.7-6.6	219.5	0.024146	0.104		