

ENGINEERING EXHIBIT
IN SUPPORT OF AN
APPLICATION FOR CONSTRUCTION PERMIT
WEPN - NEW YORK, NEW YORK
1050 kHz - 50.0 kW - DA-1
FACILITY ID: 65636

Applicant: New York AM Radio, LLC

January, 2007

**CARL T. JONES**
CORPORATION

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FCC Form 301 Section III

STATEMENT OF CYNTHIA M. JACOBSON, P.E.

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ENGINEERING STATEMENT OF CYNTHIA M. JACOBSON, P.E.
IN SUPPORT OF AN
APPLICATION FOR CONSTRUCTION PERMIT
WEPN - NEW YORK, NEW YORK
1050 kHz - 50.0 kW - DA-1
Facility I.D.#: 65636

Applicant: New York AM Radio, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Registered Professional Engineer in the Commonwealth of Virginia, Registration No. 027914.

GENERAL

This office has been authorized by New York AM Radio, LLC ("NYAR"), licensee of Standard Broadcast Station WEPN, New York, New York, to prepare this Engineering Statement, FCC Form 301 (Section III), and the attached figures in support of an Application for Construction Permit to relocate the WEPN antenna system and make changes to the directional pattern. Relocation of the WEPN transmitter facilities has become necessary as a result of new construction of high rise buildings on the property immediately adjacent to the WEPN transmitter site.

WEPN is presently licensed to operate on 1050 kHz with a power of 50.0 kW using the same directional pattern for day and night operation (DA-1). The WEPN transmitter site is located in East Rutherford, New Jersey on an approximate 23 acre parcel of land that is bordered on the north side by the Continental Airlines Arena property. The New Jersey

Sports and Exposition Authority (NJSEA), under agreement with Mills Corporation and Mack-Cali Development, is actively developing the Continental Airlines Arena ("the Arena") site into an entertainment and shopping center known as Meadowlands Xanadu ("Xanadu"). When completed, the structures that will comprise the Xanadu project will range in height from 67 feet to 274 feet. Computer modeling of the interaction of the proposed Xanadu structures with the WEPN directional antenna array indicates that the impact of the structures on the WEPN directional pattern will be so severe that the present licensed site will no longer be suitable for directional operation. Over the past two years, NYAR has made a concentrated effort to locate a new site for WEPN that would allow continued service to the New York City metropolitan area. Based on this effort, a new site has been identified that is located approximately 3.7 kilometers southeast of the licensed site.

The instant application proposes relocation to the new transmitter site and minor changes to the directional pattern as required to meet FCC protection requirements. It is proposed to continue operation with the same directional pattern for day and night operation (DA-1) at a power of 50 kW.

ANTENNA SYSTEM AND GROUND SYSTEM

The antenna system will consist of three self-supporting towers, 186 electrical degrees in height. The overall heights above ground level and radiator heights are shown in Figure 1.

The ground system will consist of 120 evenly spaced, buried, copper wire radials per tower. The radials will be 71.4 meters long except where truncated by property boundaries or terminated and bonded at a transverse strap between towers. A 14.6 meter by 14.6 meter copper ground screen will be located at the base of each tower. A sketch of the ground system is shown in Figure 2.

The proposed horizontal plane standard radiation pattern is shown on the polar graph of Figure 3. The horizontal plane inverse distance fields are tabulated in Figure 4. Figures 5 through 16 contain tabulations of the vertical inverse distance fields.

FAA NOTIFICATION AND TOWER REGISTRATION

A vertical plan sketch of the proposed WEPN towers is shown in Figure 1. The proposed overall height of the new antenna structures is 152.1 meters AGL. The proposed overall height above mean sea level of the new antenna structures is 152.1 meters. A Notice of Proposed Construction, FAA Form 7460-1, will be filed with the Federal Aviation Administration (FAA). Following FAA approval, tower registration will be completed.

SITE AND SURROUNDING TERRAIN

The proposed antenna/transmitter location and surrounding terrain characteristics are shown on the map of Figure 29. The center of array coordinates (NAD-27) for the proposed array are:

North Latitude:	40-46-36
West Longitude:	74-03-08

This site elevation was determined by a licensed surveyor. An aerial view of the proposed site is contained in Figure 30.

BLANKETING AND STATION INTERACTION

The population within the proposed WEPN 1000 mV/m contour is greater than 300 persons and greater than 1.0 percent of the population within the proposed 25 mV/m contour. The population within the 1000 mV/m is 1.02% of the population within the 25 mV/m. The figures are tabulated below:

CONTOUR	PROPOSED POPULATION (PERSONS)
1000 mV/m	83,236
25 mV/m	8,195,776

Though the proposed facilities of WEPN result in a population within the 1000 mV/m contour that slightly exceeds 1% of the population within the 25 mV/m contour, it is believed that the public interest would be served by a waiver of the rule. WEPN respectfully requests a waiver of 73.24(g) of the FCC Rules.

The present and proposed 1000 mV/m contours are shown in Figure 17. In response to all legitimate complaints of blanketing interference, the applicant will undertake steps to mitigate the interference in accordance with the requirements of Section 73.88 of the Commission's Rules and Regulations.

There is one AM station (WWRL) located within 3.2 kilometers of the proposed site. There are several FM stations and TV stations located within 10 kilometers of the proposed site. If it is determined to be necessary, NYAR will install filtering and detuning apparatus to prevent interaction with WWRL. It is expected that no detrimental interaction will occur with any other station.

COVERAGE CONTOURS

The present and proposed 5.0 mV/m service contours are shown on the map of Figure 18. The proposed daytime 5.0 mV/m contour encompasses 86.2% of the city of license, New York, New York. This is 1.78% less than the present daytime 5.0 mV/m coverage. Since coverage of the city of license is greater than 80%, it qualifies as “adequate community coverage”¹; therefore, a waiver of Section 73.24(i) is not necessary.

The proposed predicted 2.0 mV/m and 0.5 mV/m contours are shown on Figures 19 and 20, respectively.

The present and proposed predicted nighttime service contours are shown on the map of Figure 26. The present and proposed nighttime interference-free contours, 6.0 mV/m, cover 87.98% and 86.20% of the city of New York. Since coverage of the city of license exceeds the minimum 80%, a waiver of Section 73.24(i) is not necessary.

¹ See *John R Hughes*, 50 Fed. Reg. 5679 (1985)(Coverage of 80 percent of the “residential area” of community constitutes “substantial compliance” with the city coverage rule.).

DAYTIME ALLOCATION STUDY

Thirteen stations were considered in detail regarding the daytime allocation. These stations are the licensed, construction permit and application facilities of WCHR, 1040 kHz, Flemington, New Jersey; the application facility of NEW, 1040 kHz, Menands, New York; the application facility of NEW, 1040 kHz, West Simsbury, Connecticut; WBNC, 1050 kHz, Conway, New Hampshire; WFED, 1050 kHz, Silver Spring, Maryland; WVXX, 1050 kHz, Norfolk, Virginia; WLYC, 1050 kHz, Williamsport, Pennsylvania; CHUM, 1050 kHz, Toronto, Canada; WSEN, 1050 kHz, Baldwinsville, New York; WYBG, 1050 kHz, Massena, New York; KYW, 1060 kHz, Philadelphia, Pennsylvania; WBIX, 1060 kHz, Natick, Massachusetts and WKMB, 1070 kHz, Stirling, New Jersey. Figure 21 provides a description of the technical facilities and ground conductivity source data used in the allocation study to calculate the pertinent protected and interfering contours for each station.

The maps of Figure 22, 23, and 24 depict the daytime allocation situation for the above cited stations as they pertain to the present and proposed WEPN operations. The distances to all groundwave contours were calculated using the equivalent distance method. Contours were calculated at 5 degree intervals using ground conductivity values shown on the FCC's M-3 soil conductivity map.

CO-CHANNEL PROTECTION

As depicted on the map of Figure 22, there is no overlap of the present or proposed WEPN 0.025 mV/m contour with the 0.5 mV/m contours of WBNC, WYBG, CHUM, WLYC, WFED and WVXX. Likewise, the 0.025 mV/m contours of these stations do not overlap the present or proposed 0.5 mV/m contour of WEPN with the exception of WVXX. The small area of WVXX 0.025 mV/m contour overlap with the 0.5 mV/m present and proposed contours of WEPN is a direct result of unusual saltwater path and can, therefore, be ignored.

WEPN presently causes and receives overlap from WSEN. The proposed WEPN facilities will continue to cause and receive overlap from WSEN, but the area of overlap will be decreased.

FIRST-ADJACENT CHANNEL PROTECTION

The map of Figure 23 shows a small area of existing overlap of the 0.25 mV/m and 0.5 mV/m contours of WEPN and NEW, Menands, New York, KYW, WBIX and WCHR. In all cases, the instant proposal would decrease the current area of overlap.

The 0.25 mV/m and the 0.5 mV/m contours of WEPN and NEW, Simsbury, Connecticut do not presently overlap nor will this proposal create overlap of these contours.

SECOND-ADJACENT CHANNEL PROTECTION

The map of Figure 24 shows no overlap of the WEPN licensed or proposed 5.0 mV/m contours with the licensed 5.0 mV/m contour of WKMB.

NIGHTTIME ALLOCATION STUDY

The results of the nighttime allocation study are shown in Figures 25, 27 and 28. Figure 25 is a tabulation of the RSS calculations for co-channel and first-adjacent channel stations that may be impacted by the instant proposal. The proposed nighttime facility of WEPN will not raise the 25% or 50% RSS limit of any domestic station or the 50% RSS limit of any foreign station.

The WEPN licensed nighttime facility enters the 50% RSS calculation of an application for a first-adjacent channel, NEW station in Menands, New York. Because this facility is an application, the WEPN proposal is not required to take a 10% reduction in field. The proposal will not increase the RSS contribution over that of the licensed WEPN facility.

The frequency of 1050 kHz is a Mexican Class A channel. XEG, Monterrey, Mexico, is the Class A station of concern. The present and proposed 0.025 mV/m -10% skywave contours of WEPN and the 0.5 mV/m - 50% skywave contour of XEG are shown on the map of Figure 27. The proposed WEPN facility will decrease the amount of existing overlap with XEG.

Because of the close proximity of first-adjacent, US Class A station, KYW, 1060 kHz, Philadelphia, Pennsylvania, the pertinent contours are shown in Figure 28. Current overlap

exists. The instant proposal will reduce the radiated field toward the KYW protected contour, as demonstrated by the location of the WEPN present and proposed 0.25 mV/m-10% skywave contour.

ENVIRONMENTAL IMPACT

This engineering statement only certifies compliance with human exposure to radio-frequency radiation. Consultation with the appropriate federal agencies has been initiated to evaluate the potential effects to the environment of the proposal described herein.

The proposal described herein does not involve high intensity lighting as specified under Section 1.1307(a)(8), nor will it result in human exposure to radio-frequency radiation in excess of the standards specified in Section 1.1307(b).

RADIO-FREQUENCY IMPACT

On January 1, 1986, the FCC amended its Rules to implement the National Environmental Policy Act of 1969 (NEPA). This amendment established RF radiation protection guidelines to be used to determine if potentially harmful RF exposure is possible from an FCC-regulated transmission facility. Effective October 15, 1997, the FCC adopted revised guidelines and procedures for evaluating environmental effects of RF emissions. These revised guidelines incorporate two tiers of exposure limits based on whether exposure occurs in a “controlled” (occupational) situation or an “uncontrolled” (general population) situation. The FCC has also revised OET Bulletin No. 65 entitled, “Evaluating

Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields,” to aid the radiation exposure analysis. This bulletin, as well as other current literature, provides detailed information for conducting an analysis including mathematical equations that can be used to determine compliance with the Commission’s guidelines.

CALCULATION METHODS

Verification of compliance with FCC specified guidelines for human exposure to RF radiation was obtained from OET Bulletin No. 65. To obtain distance to compliance with the guidelines, Table 3, Section 1 of Supplement A was used. The proposed WEPN facility will operate on 1050 kHz with a power level of 50 kW. Assuming a worst-case of 50 kW maximum in each of the three towers, the minimum fencing requirement would be 4.0 meters. A fence of at least 4.0 meters (13.1 feet) from the base of each tower will be constructed. This fencing requirement will satisfy both the occupational/controlled and general population/uncontrolled MPE limits. The fences will be locked to preclude public access to the towers and appropriate warning signs will also be posted. If requested by the Commission, the applicant will conduct electromagnetic field strength measurements to establish that the MPE limits specified by the FCC are not exceeded.

It is submitted that the proposed WEPN station will not constitute a potential hazard to the quality of the human environment. Accordingly, the WEPN proposal, as described herein, should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Rules.

OCCUPATIONAL SAFETY

Access to the WEPN supporting tower bases will be restricted to authorized maintenance personnel only. WEPN will insure protection to station personnel or tower contractors working in the vicinity of the proposed towers. Procedures will be followed during times of service or maintenance of the transmission systems when necessary to avoid potentially harmful exposure to personnel.

CONCLUSION

This statement and Section III of FCC Form 301 and the attached figures were prepared by me or under my direct supervision and are believed to be true and correct.

It is submitted that the proposed operation described herein complies with the technical standards of the Rules and Regulations of the Commission.

Dated: January 16, 2007



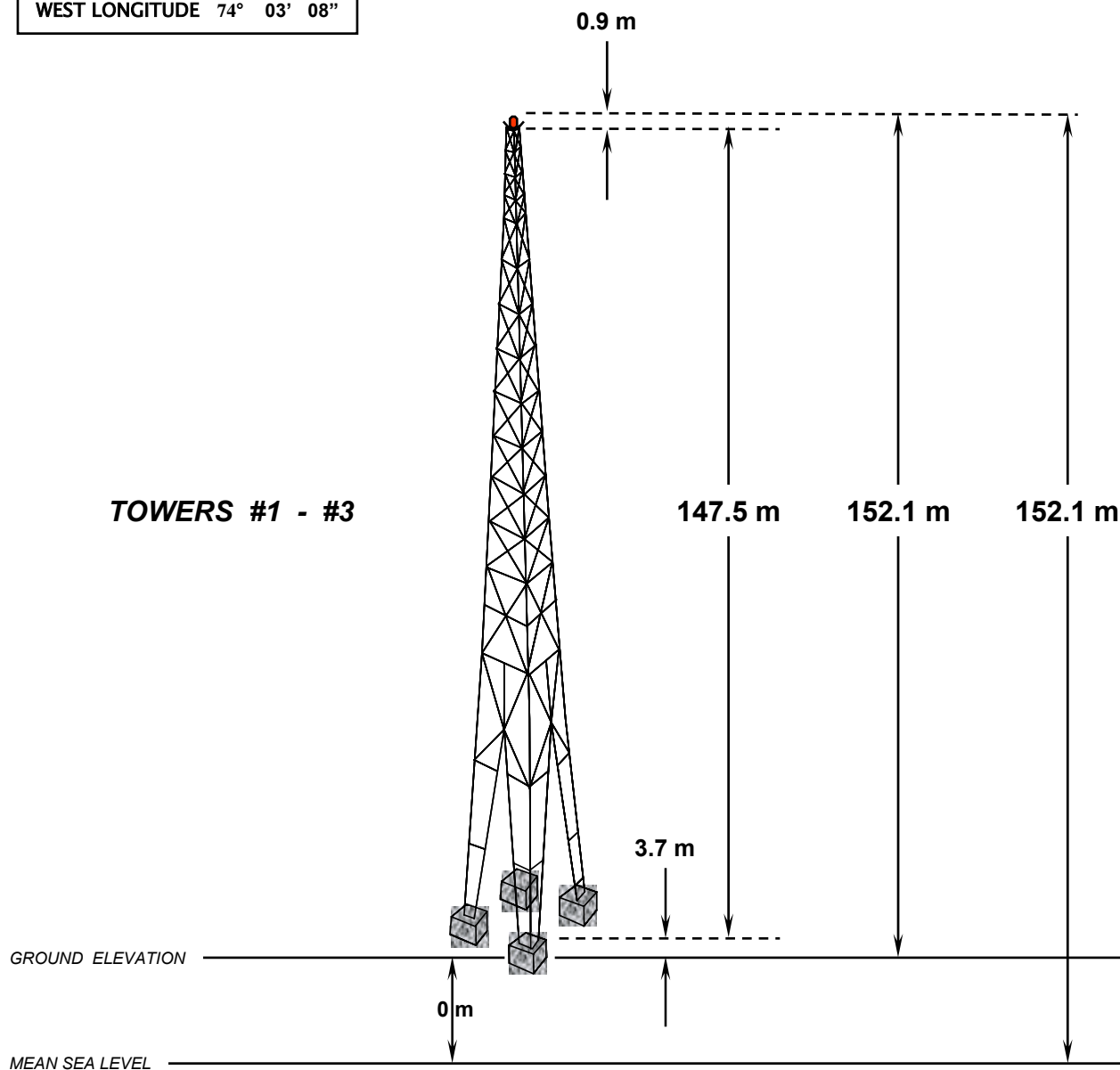
FIGURE 1

CENTER OF ARRAY

NAD-27 COORDINATES

NORTH LATITUDE 40° 46' 36"

WEST LONGITUDE 74° 03' 08"



PROPOSED VERTICAL ANTENNA SKETCH

WEPN - NEW YORK, NEW YORK

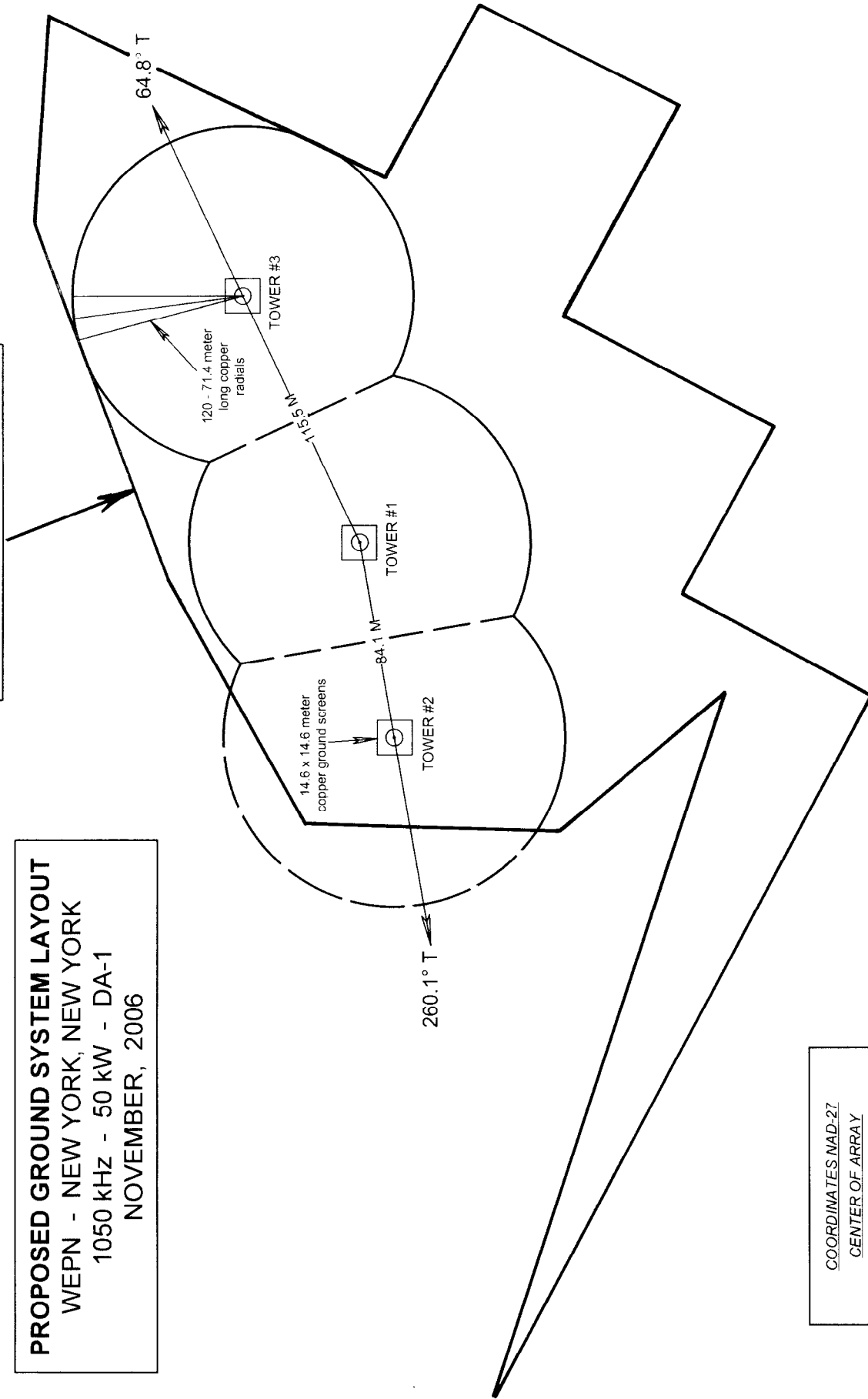
1050 kHz - 50 kW - DA-1

NOVEMBER, 2006

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PROPERTY BOUNDARIES

PROPOSED GROUND SYSTEM LAYOUT
WEPN - NEW YORK, NEW YORK
1050 kHz - 50 kW - DA-1
NOVEMBER, 2006



COORDINATES NAD-27

CENTER OF ARRAY

NORTH LATITUDE: 40° 46' 36"

WEST LONGITUDE: 74° 03' 08"

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FIGURE 2

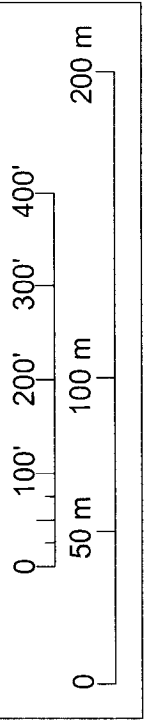
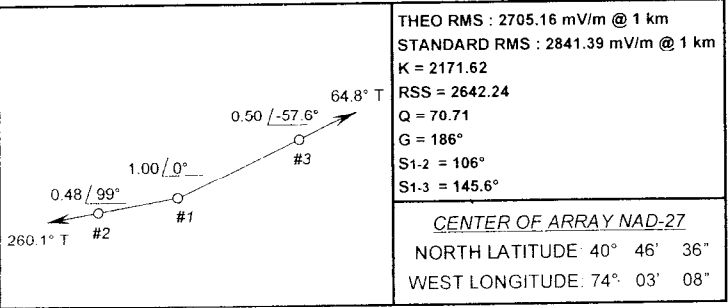
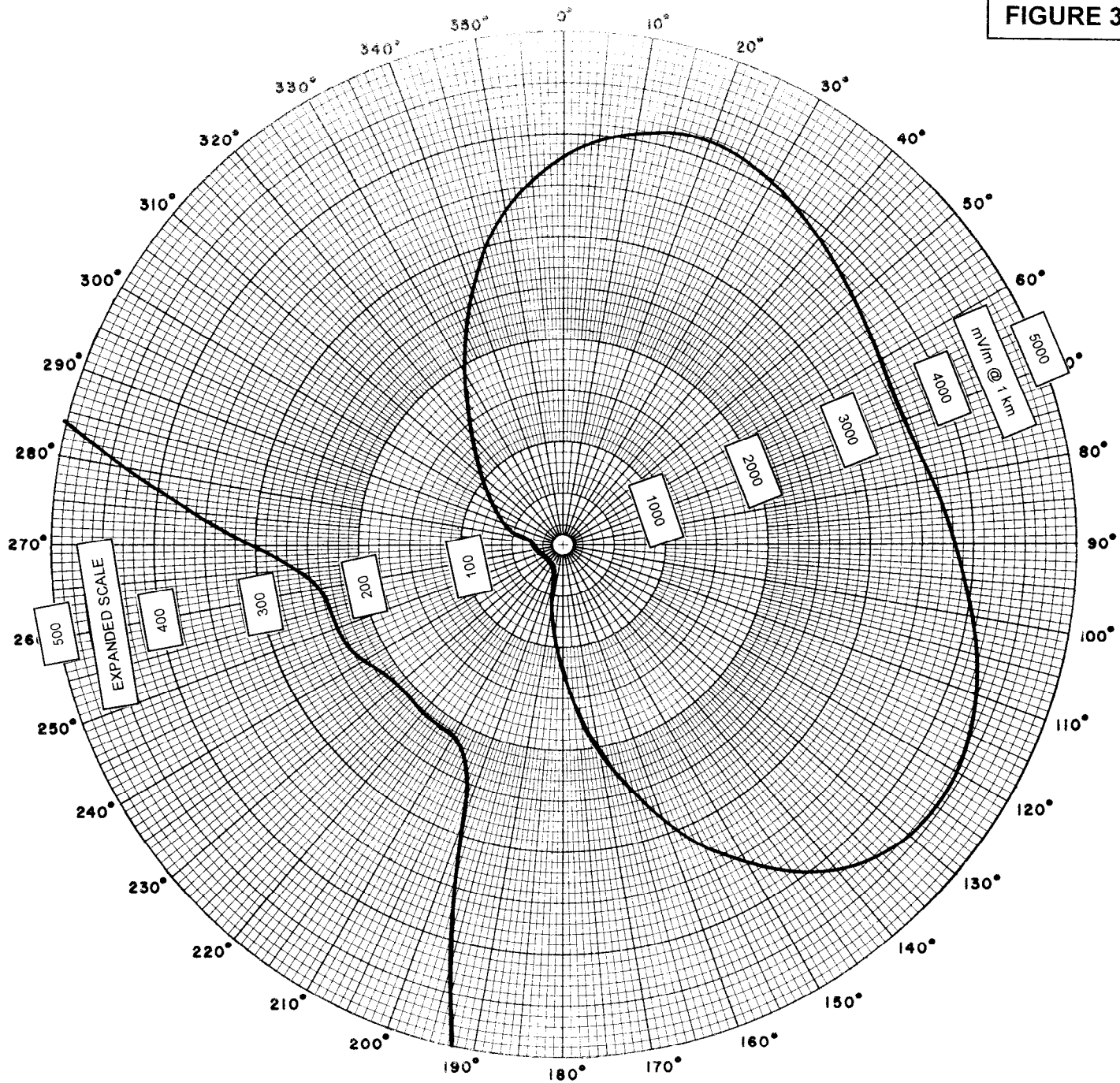


FIGURE 3



**PROPOSED HORIZONTAL PLANE
 STANDARD RADIATION PATTERN**
 WEPN - NEW YORK, NEW YORK
 1050 kHz - 50 kW - DA-1
 NOVEMBER, 2006

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FIGURE 4

HORIZONTAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	3597.5	3778.1	180	1158.7	1218.9
5	3768.7	3957.9	185	845.3	890.7
10	3884.2	4079.0	190	586.5	620.3
15	3945.7	4143.7	195	390.7	416.9
20	3959.0	4157.6	200	264.7	287.6
25	3932.3	4129.6	205	207.3	230.0
30	3875.6	4070.0	210	194.4	217.2
35	3799.2	3989.8	215	194.0	216.8
40	3713.2	3899.6	220	192.2	215.0
45	3626.8	3808.8	225	189.1	212.0
50	3547.6	3725.7	230	189.0	211.9
55	3481.8	3656.6	235	193.8	216.6
60	3434.1	3606.5	240	201.5	224.2
65	3407.8	3578.9	245	208.4	231.1
70	3405.0	3576.0	250	212.3	234.9
75	3426.7	3598.8	255	214.4	237.0
80	3472.9	3647.3	260	220.4	243.1
85	3542.1	3719.9	265	239.4	262.1
90	3631.4	3813.7	270	278.1	301.3
95	3736.4	3923.9	275	337.0	361.5
100	3850.8	4044.0	280	410.9	437.8
105	3966.5	4165.5	285	493.4	523.4
110	4073.7	4278.1	290	578.8	612.3
115	4161.6	4370.3	295	664.4	701.5
120	4218.3	4429.9	300	751.4	792.5
125	4232.6	4444.9	305	846.6	892.0
130	4194.4	4404.7	310	961.6	1012.4
135	4095.9	4301.3	315	1110.2	1168.0
140	3932.8	4130.1	320	1303.1	1370.2
145	3705.1	3891.1	325	1543.7	1622.6
150	3417.3	3589.0	330	1827.0	1919.8
155	3078.7	3233.5	335	2141.2	2249.4
160	2702.4	2838.5	340	2470.1	2594.6
165	2304.7	2421.1	345	2796.1	2936.8
170	1903.3	1999.8	350	3102.0	3257.9
175	1515.9	1593.4	355	3372.9	3542.4

Fields in mV/m @ 1 Kilometer

FIGURE 5

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 5 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	3537.1	3714.7	180	1144.9	1204.3
5	3705.9	3891.8	185	837.0	881.9
10	3820.1	4011.8	190	582.2	615.7
15	3881.8	4076.6	195	388.4	414.3
20	3896.3	4091.8	200	262.0	284.7
25	3871.7	4065.9	205	202.7	225.0
30	3817.5	4009.0	210	188.2	210.7
35	3744.0	3931.8	215	187.1	209.7
40	3660.9	3844.6	220	185.0	207.6
45	3577.2	3756.8	225	181.6	204.2
50	3500.4	3676.1	230	180.7	203.3
55	3436.5	3609.1	235	184.6	207.1
60	3390.2	3560.5	240	191.4	213.9
65	3364.8	3533.8	245	198.0	220.4
70	3362.2	3531.1	250	202.1	224.5
75	3383.5	3553.5	255	205.2	227.5
80	3428.6	3600.8	260	212.9	235.2
85	3496.1	3671.6	265	233.7	256.1
90	3583.1	3762.9	270	273.7	296.6
95	3685.2	3870.2	275	332.7	356.9
100	3796.3	3986.8	280	405.8	432.3
105	3908.5	4104.6	285	486.8	516.3
110	4012.3	4213.5	290	570.4	603.4
115	4096.8	4302.2	295	654.3	690.8
120	4150.8	4359.0	300	739.8	780.2
125	4163.3	4372.0	305	833.7	878.4
130	4124.3	4331.2	310	947.4	997.4
135	4026.5	4228.5	315	1094.2	1151.2
140	3865.7	4059.6	320	1284.5	1350.7
145	3641.7	3824.5	325	1521.3	1599.0
150	3359.2	3527.9	330	1799.6	1891.0
155	3027.1	3179.3	335	2107.9	2214.5
160	2658.3	2792.2	340	2430.5	2553.1
165	2268.6	2383.1	345	2750.2	2888.7
170	1875.2	1970.3	350	3050.3	3203.7
175	1495.3	1571.8	355	3316.3	3482.9

Fields in mV/m @ 1 Kilometer

FIGURE 6

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 10 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	3361.4	3530.2	180	1104.2	1161.5
5	3522.8	3699.6	185	812.4	855.9
10	3633.6	3816.0	190	569.2	601.7
15	3695.5	3880.9	195	381.6	406.7
20	3713.2	3899.5	200	255.1	276.8
25	3694.3	3879.6	205	190.3	211.7
30	3647.4	3830.4	210	170.8	192.4
35	3582.0	3761.7	215	167.7	189.4
40	3507.2	3683.2	220	164.8	186.6
45	3431.3	3603.5	225	160.3	182.2
50	3361.4	3530.1	230	157.5	179.5
55	3303.1	3468.9	235	158.8	180.8
60	3260.8	3424.6	240	163.5	185.4
65	3237.7	3400.3	245	169.2	190.9
70	3235.8	3398.3	250	174.3	195.9
75	3255.9	3419.4	255	180.4	201.9
80	3297.8	3463.4	260	193.0	214.4
85	3360.3	3529.0	265	218.9	240.2
90	3440.6	3613.3	270	261.8	283.6
95	3534.6	3712.0	275	320.6	343.8
100	3636.3	3818.8	280	390.8	416.3
105	3738.5	3926.1	285	467.3	495.6
110	3832.2	4024.4	290	545.8	577.3
115	3907.4	4103.4	295	624.7	659.7
120	3953.8	4152.1	300	706.0	744.6
125	3961.1	4159.7	305	796.2	838.9
130	3920.3	4116.9	310	906.1	953.9
135	3824.6	4016.4	315	1047.7	1102.3
140	3670.3	3854.4	320	1230.1	1293.5
145	3457.4	3631.0	325	1455.8	1530.2
150	3190.2	3350.5	330	1719.7	1807.0
155	2877.0	3021.7	335	2011.0	2112.7
160	2529.8	2657.2	340	2315.3	2432.1
165	2163.2	2272.4	345	2616.8	2748.5
170	1792.9	1883.9	350	2900.1	3045.9
175	1435.1	1508.5	355	3151.7	3310.0

Fields in mV/m @ 1 Kilometer

FIGURE 7

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 15 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	3085.9	3240.8	180	1038.7	1092.6
5	3235.6	3398.0	185	772.2	813.4
10	3340.6	3508.2	190	547.8	578.8
15	3402.1	3572.8	195	371.2	395.1
20	3424.3	3596.1	200	246.2	266.5
25	3413.5	3584.8	205	174.4	194.2
30	3377.4	3546.8	210	146.3	166.7
35	3324.1	3490.9	215	139.1	159.7
40	3261.7	3425.4	220	134.9	155.7
45	3197.6	3358.1	225	129.2	150.2
50	3138.0	3295.5	230	123.9	145.3
55	3088.2	3243.3	235	121.9	143.4
60	3052.1	3205.4	240	124.0	145.4
65	3032.6	3184.9	245	129.0	150.1
70	3031.6	3183.8	250	136.3	157.1
75	3049.7	3202.8	255	147.8	168.1
80	3086.8	3241.8	260	167.6	187.5
85	3141.7	3299.4	265	199.7	219.4
90	3211.8	3373.0	270	245.1	265.4
95	3293.2	3458.5	275	302.1	323.7
100	3380.8	3550.4	280	367.0	390.7
105	3467.8	3641.8	285	436.1	462.5
110	3546.5	3724.3	290	506.8	536.1
115	3607.9	3788.9	295	578.3	610.7
120	3643.1	3825.8	300	653.1	688.8
125	3643.0	3825.7	305	737.6	777.2
130	3600.0	3780.5	310	841.4	885.8
135	3508.1	3684.1	315	974.6	1025.4
140	3364.4	3533.2	320	1144.4	1203.4
145	3169.0	3328.1	325	1352.3	1421.4
150	2925.7	3072.7	330	1593.5	1674.4
155	2642.0	2774.8	335	1858.3	1952.3
160	2328.2	2445.5	340	2134.3	2241.9
165	1997.2	2098.1	345	2407.4	2528.6
170	1662.9	1747.2	350	2664.5	2798.4
175	1339.1	1407.6	355	2893.6	3039.0

Fields in mV/m @ 1 Kilometer

FIGURE 8

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 20 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	2734.1	2871.4	180	951.8	1001.1
5	2868.3	3012.3	185	717.8	755.9
10	2965.0	3113.8	190	518.2	547.2
15	3025.1	3176.9	195	357.4	379.7
20	3051.8	3204.9	200	237.9	256.4
25	3050.1	3203.1	205	160.4	178.2
30	3026.4	3178.2	210	121.4	140.1
35	2987.3	3137.2	215	106.9	126.4
40	2939.7	3087.2	220	100.2	120.2
45	2889.6	3034.7	225	93.3	113.9
50	2842.6	2985.3	230	86.1	107.5
55	2803.1	2943.8	235	81.4	103.4
60	2774.5	2913.8	240	81.6	103.6
65	2759.4	2897.9	245	87.5	108.7
70	2759.3	2897.8	250	99.3	119.4
75	2774.9	2914.2	255	117.9	136.8
80	2806.0	2946.9	260	144.8	162.8
85	2851.4	2994.6	265	181.1	198.8
90	2908.9	3054.9	270	226.1	244.4
95	2975.2	3124.5	275	278.3	298.0
100	3045.6	3198.4	280	335.5	357.0
105	3114.5	3270.7	285	395.3	419.1
110	3175.2	3334.5	290	456.3	482.6
115	3220.6	3382.1	295	518.9	547.9
120	3242.8	3405.5	300	585.9	618.0
125	3234.8	3397.0	305	663.2	698.8
130	3190.1	3350.1	310	758.8	798.9
135	3104.2	3259.9	315	880.6	926.5
140	2974.6	3123.9	320	1033.7	1086.9
145	2801.7	2942.3	325	1218.5	1280.7
150	2588.7	2718.8	330	1430.6	1503.2
155	2342.0	2459.8	335	1661.9	1746.0
160	2070.2	2174.5	340	1902.0	1998.0
165	1783.8	1873.9	345	2139.6	2247.3
170	1494.5	1570.3	350	2363.6	2482.4
175	1213.7	1275.7	355	2564.2	2693.1

Fields in mV/m @ 1 Kilometer

FIGURE 9

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 25 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	2334.2	2451.4	180	847.9	891.7
5	2450.2	2573.3	185	650.9	685.3
10	2536.4	2663.7	190	480.4	507.0
15	2593.3	2723.4	195	339.9	360.5
20	2623.2	2754.8	200	230.7	247.5
25	2629.9	2761.9	205	152.8	168.3
30	2618.3	2749.7	210	104.2	120.7
35	2593.6	2723.8	215	79.3	97.6
40	2561.1	2689.6	220	67.3	87.0
45	2525.7	2652.5	225	58.7	79.9
50	2491.8	2616.9	230	50.7	73.6
55	2463.1	2586.7	235	45.2	69.5
60	2442.3	2564.9	240	46.6	70.5
65	2431.7	2553.8	245	57.0	78.5
70	2432.5	2554.6	250	75.1	93.8
75	2445.3	2568.1	255	99.3	116.0
80	2469.8	2593.8	260	129.3	144.9
85	2505.1	2630.8	265	164.8	180.4
90	2549.1	2677.1	270	205.5	221.7
95	2599.2	2729.7	275	250.2	267.6
100	2651.6	2784.6	280	297.9	316.9
105	2701.7	2837.2	285	347.3	368.1
110	2744.1	2881.8	290	398.1	421.0
115	2773.2	2912.4	295	451.3	476.6
120	2783.1	2922.7	300	510.0	537.9
125	2768.0	2906.9	305	579.1	610.2
130	2723.3	2859.9	310	664.8	699.9
135	2645.4	2778.1	315	772.6	812.8
140	2532.7	2659.8	320	905.6	952.3
145	2385.6	2505.4	325	1063.6	1117.9
150	2206.8	2317.7	330	1242.6	1305.7
155	2001.4	2102.0	335	1436.3	1509.0
160	1776.0	1865.5	340	1636.5	1719.1
165	1539.1	1616.8	345	1834.4	1926.8
170	1299.6	1365.5	350	2021.4	2123.1
175	1066.4	1120.9	355	2190.0	2300.0

Fields in mV/m @ 1 Kilometer

FIGURE 10

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 30 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	1915.7	2011.9	180	732.0	769.9
5	2011.9	2113.0	185	573.6	603.8
10	2085.8	2190.5	190	434.6	458.4
15	2137.4	2244.7	195	317.5	336.1
20	2168.4	2277.3	200	223.1	238.2
25	2181.6	2291.0	205	151.1	164.5
30	2180.2	2289.6	210	99.9	113.5
35	2168.1	2276.9	215	66.5	82.1
40	2149.2	2257.1	220	46.4	65.2
45	2127.2	2234.0	225	34.1	56.1
50	2105.5	2211.2	230	26.2	51.2
55	2086.8	2191.6	235	24.5	50.3
60	2073.4	2177.5	240	32.5	55.0
65	2067.0	2170.7	245	47.9	66.3
70	2068.5	2172.3	250	67.9	83.4
75	2078.3	2182.7	255	91.7	105.5
80	2096.4	2201.6	260	118.9	132.1
85	2121.8	2228.3	265	149.3	162.6
90	2152.9	2261.0	270	182.7	196.6
95	2187.7	2297.5	275	218.5	233.4
100	2223.1	2334.7	280	256.1	272.4
105	2255.8	2369.0	285	295.3	313.1
110	2281.7	2396.2	290	336.4	355.8
115	2296.6	2411.8	295	380.7	402.1
120	2296.2	2411.3	300	431.0	454.6
125	2276.3	2390.5	305	491.2	517.6
130	2233.6	2345.7	310	565.5	595.3
135	2165.8	2274.5	315	657.3	691.5
140	2071.8	2175.8	320	768.2	807.8
145	1951.9	2050.0	325	897.5	943.4
150	1808.4	1899.4	330	1042.0	1095.0
155	1645.0	1727.8	335	1196.9	1257.5
160	1466.8	1540.8	340	1356.3	1424.8
165	1279.9	1344.5	345	1513.8	1590.0
170	1090.8	1146.1	350	1663.0	1746.7
175	906.1	952.4	355	1798.4	1888.8

Fields in mV/m @ 1 Kilometer

FIGURE 11

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 35 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	1505.9	1581.6	180	609.9	641.4
5	1582.0	1661.5	185	488.8	514.5
10	1642.3	1724.8	190	381.2	401.9
15	1686.9	1771.6	195	288.6	305.2
20	1716.6	1802.8	200	211.9	225.4
25	1733.2	1820.2	205	150.9	162.4
30	1739.0	1826.3	210	104.3	115.3
35	1736.5	1823.7	215	70.6	82.4
40	1728.5	1815.3	220	47.6	61.6
45	1717.5	1803.7	225	33.4	50.3
50	1705.8	1791.4	230	27.4	46.1
55	1695.5	1780.6	235	29.8	47.7
60	1688.2	1773.0	240	38.8	54.4
65	1685.1	1769.8	245	52.0	65.4
70	1687.0	1771.8	250	68.3	80.3
75	1694.2	1779.3	255	87.3	98.4
80	1706.4	1792.1	260	108.5	119.5
85	1723.1	1809.6	265	131.9	143.1
90	1743.1	1830.6	270	157.3	169.0
95	1764.7	1853.3	275	184.2	196.8
100	1785.9	1875.6	280	212.8	226.3
105	1804.3	1894.8	285	243.0	257.6
110	1817.0	1908.1	290	275.5	291.5
115	1821.0	1912.4	295	311.7	329.3
120	1813.5	1904.5	300	353.9	373.3
125	1791.7	1881.6	305	404.5	426.2
130	1753.4	1841.4	310	466.2	490.8
135	1697.1	1782.3	315	540.8	569.0
140	1622.2	1703.7	320	629.0	661.4
145	1529.2	1606.1	325	729.7	767.0
150	1419.7	1491.1	330	840.6	883.4
155	1296.2	1361.5	335	958.5	1007.1
160	1162.3	1220.9	340	1079.1	1133.7
165	1022.2	1073.9	345	1198.2	1258.7
170	880.4	925.2	350	1311.4	1377.5
175	741.6	779.5	355	1415.0	1486.2

Fields in mV/m @ 1 Kilometer

FIGURE 12

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 40 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	1127.4	1184.2	180	487.1	512.3
5	1184.4	1244.0	185	399.9	421.0
10	1230.9	1292.8	190	321.4	338.7
15	1267.0	1330.7	195	252.6	266.9
20	1293.2	1358.2	200	194.3	206.1
25	1310.4	1376.2	205	146.4	156.6
30	1320.0	1386.3	210	108.5	117.7
35	1323.6	1390.1	215	79.8	88.9
40	1322.9	1389.3	220	59.4	69.1
45	1319.6	1385.9	225	46.6	57.2
50	1315.2	1381.2	230	40.9	52.2
55	1311.0	1376.9	235	41.4	52.7
60	1308.2	1373.9	240	46.9	57.5
65	1307.5	1373.2	245	55.7	65.6
70	1309.5	1375.3	250	67.1	76.4
75	1314.3	1380.3	255	80.5	89.6
80	1321.8	1388.2	260	95.6	104.7
85	1331.6	1398.5	265	112.3	121.6
90	1342.8	1410.2	270	130.4	140.1
95	1354.4	1422.4	275	149.9	160.1
100	1364.9	1433.5	280	170.8	181.8
105	1372.9	1441.8	285	193.6	205.5
110	1376.3	1445.4	290	218.9	231.8
115	1373.4	1442.4	295	247.9	262.0
120	1362.4	1430.8	300	281.9	297.4
125	1341.5	1408.9	305	322.5	339.9
130	1309.5	1375.3	310	371.0	390.7
135	1265.4	1329.0	315	428.3	450.7
140	1209.1	1269.9	320	494.4	519.9
145	1140.9	1198.3	325	568.4	597.6
150	1061.8	1115.3	330	648.9	682.0
155	973.7	1022.8	335	733.5	770.8
160	878.8	923.2	340	819.8	861.3
165	779.8	819.3	345	904.8	950.5
170	679.6	714.2	350	986.0	1035.7
175	581.1	610.9	355	1060.9	1114.3

Fields in mV/m @ 1 Kilometer

FIGURE 13

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 45 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	796.7	836.9	180	369.3	388.6
5	836.5	878.7	185	310.8	327.2
10	870.0	913.9	190	257.3	271.3
15	897.1	942.3	195	209.8	221.7
20	918.1	964.3	200	168.7	178.9
25	933.3	980.3	205	134.1	143.0
30	943.7	991.2	210	105.9	114.0
35	950.0	997.8	215	83.9	91.5
40	953.3	1001.3	220	67.6	75.1
45	954.5	1002.5	225	56.6	64.4
50	954.5	1002.5	230	50.6	58.6
55	954.1	1002.1	235	48.9	57.0
60	954.0	1002.0	240	50.8	58.8
65	954.7	1002.8	245	55.5	63.3
70	956.5	1004.6	250	62.3	70.0
75	959.4	1007.7	255	70.8	78.4
80	963.5	1012.0	260	80.7	88.3
85	968.3	1017.1	265	91.9	99.6
90	973.5	1022.5	270	104.2	112.2
95	978.3	1027.6	275	117.8	126.1
100	982.0	1031.4	280	132.8	141.6
105	983.4	1032.9	285	149.6	159.0
110	981.6	1031.0	290	168.7	178.8
115	975.6	1024.6	295	190.8	201.8
120	964.1	1012.6	300	216.6	228.8
125	946.4	994.0	305	247.0	260.6
130	921.7	968.1	310	282.6	297.8
135	889.6	934.5	315	323.5	340.6
140	850.1	892.9	320	369.7	389.0
145	803.3	843.8	325	420.5	442.2
150	750.0	787.9	330	474.9	499.3
155	691.3	726.3	335	531.7	558.9
160	628.4	660.3	340	589.3	619.3
165	563.1	591.8	345	646.1	678.8
170	497.0	522.5	350	700.5	735.9
175	431.9	454.2	355	751.1	789.0

Fields in mV/m @ 1 Kilometer

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 50 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	523.2	549.8	180	261.5	275.4
5	548.7	576.6	185	225.5	237.7
10	570.8	599.7	190	192.2	203.0
15	589.3	619.2	195	162.2	171.7
20	604.4	634.9	200	135.8	144.2
25	616.2	647.3	205	113.1	120.6
30	625.1	656.6	210	94.1	101.1
35	631.5	663.4	215	78.8	85.4
40	635.9	668.1	220	67.0	73.5
45	638.9	671.2	225	58.5	65.0
50	640.9	673.2	230	53.0	59.6
55	642.2	674.7	235	50.3	56.9
60	643.4	675.9	240	50.0	56.6
65	644.6	677.1	245	51.7	58.3
70	645.9	678.6	250	55.0	61.6
75	647.5	680.3	255	59.7	66.2
80	649.4	682.2	260	65.5	72.0
85	651.2	684.1	265	72.5	79.0
90	652.8	685.8	270	80.4	87.0
95	653.8	686.8	275	89.4	96.3
100	653.8	686.8	280	99.7	106.8
105	652.1	685.1	285	111.3	118.8
110	648.4	681.1	290	124.8	132.7
115	642.0	674.4	295	140.3	148.9
120	632.4	664.3	300	158.3	167.6
125	619.1	650.4	305	179.1	189.2
130	601.9	632.4	310	202.8	214.0
135	580.6	610.0	315	229.5	241.9
140	555.1	583.3	320	258.9	272.7
145	525.7	552.4	325	290.9	306.1
150	492.7	517.8	330	324.6	341.5
155	456.8	480.1	335	359.6	378.1
160	418.7	440.1	340	394.8	415.1
165	379.1	398.7	345	429.6	451.6
170	339.2	356.8	350	463.1	486.7
175	299.7	315.4	355	494.5	519.7

Fields in mV/m @ 1 Kilometer

FIGURE 15

VERTICAL FIELDS

WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 55 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	310.2	326.3	180	167.8	177.3
5	324.7	341.5	185	148.2	156.8
10	337.6	355.0	190	129.9	137.7
15	348.7	366.6	195	113.1	120.3
20	358.1	376.5	200	98.1	104.8
25	365.9	384.6	205	85.0	91.3
30	372.1	391.2	210	73.8	79.8
35	377.0	396.4	215	64.4	70.4
40	380.8	400.3	220	57.0	62.9
45	383.7	403.4	225	51.3	57.2
50	385.9	405.7	230	47.3	53.2
55	387.6	407.4	235	44.8	50.8
60	388.9	408.8	240	43.7	49.7
65	390.0	409.9	245	43.8	49.9
70	390.9	410.9	250	45.0	51.1
75	391.6	411.7	255	47.2	53.2
80	392.2	412.3	260	50.2	56.2
85	392.6	412.7	265	54.1	59.9
90	392.5	412.6	270	58.7	64.5
95	392.0	412.0	275	64.1	70.0
100	390.6	410.6	280	70.4	76.4
105	388.3	408.2	285	77.7	83.8
110	384.8	404.5	290	86.1	92.4
115	379.8	399.3	295	95.7	102.3
120	373.1	392.3	300	106.7	113.6
125	364.6	383.3	305	119.1	126.5
130	354.1	372.3	310	133.0	140.9
135	341.6	359.2	315	148.3	156.9
140	327.1	344.0	320	164.9	174.2
145	310.6	326.7	325	182.7	192.8
150	292.5	307.7	330	201.2	212.2
155	273.0	287.3	335	220.3	232.1
160	252.4	265.7	340	239.5	252.3
165	231.2	243.5	345	258.5	272.1
170	209.7	221.0	350	276.8	291.3
175	188.5	198.8	355	294.1	309.4

Fields in mV/m @ 1 Kilometer

FIGURE 16

VERTICAL FIELDS

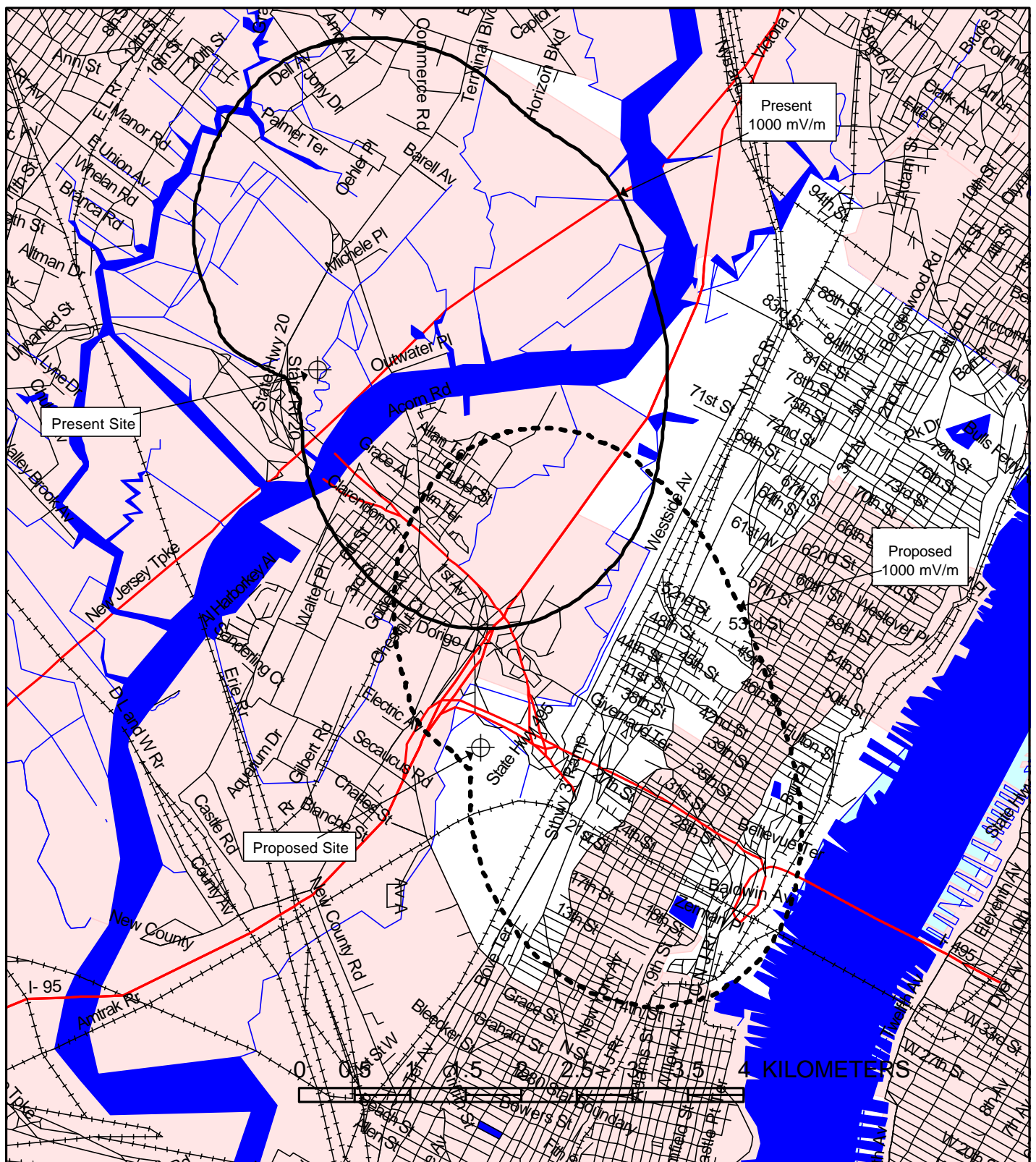
WEPN - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1

VERTICAL ANGLE 60 DEGREES

AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)	AZIMUTH (DEGREES)	E THEO. (mV/m)	E STD. (mV/m)
0	155.4	164.2	180	91.3	97.7
5	162.3	171.4	185	82.5	88.6
10	168.4	177.8	190	74.2	80.0
15	173.9	183.5	195	66.5	72.2
20	178.7	188.5	200	59.5	65.1
25	182.8	192.8	205	53.3	58.9
30	186.3	196.4	210	47.8	53.5
35	189.1	199.4	215	43.2	48.9
40	191.5	201.9	220	39.4	45.2
45	193.3	203.8	225	36.3	42.3
50	194.8	205.4	230	34.0	40.2
55	196.0	206.6	235	32.5	38.7
60	196.9	207.6	240	31.6	37.9
65	197.6	208.3	245	31.3	37.6
70	198.1	208.8	250	31.5	37.9
75	198.4	209.1	255	32.3	38.6
80	198.4	209.2	260	33.6	39.8
85	198.3	209.0	265	35.4	41.5
90	197.8	208.6	270	37.6	43.6
95	197.1	207.7	275	40.3	46.1
100	195.9	206.5	280	43.5	49.2
105	194.2	204.7	285	47.2	52.9
110	191.9	202.3	290	51.5	57.1
115	189.0	199.3	295	56.3	61.9
120	185.4	195.5	300	61.7	67.4
125	180.9	190.9	305	67.8	73.5
130	175.7	185.4	310	74.4	80.3
135	169.7	179.1	315	81.6	87.7
140	162.8	171.9	320	89.4	95.6
145	155.2	164.0	325	97.5	104.0
150	147.0	155.4	330	106.0	112.8
155	138.2	146.3	335	114.6	121.7
160	129.0	136.7	340	123.3	130.7
165	119.6	126.9	345	131.8	139.6
170	110.0	117.0	350	140.1	148.3
175	100.6	107.2	355	148.0	156.5

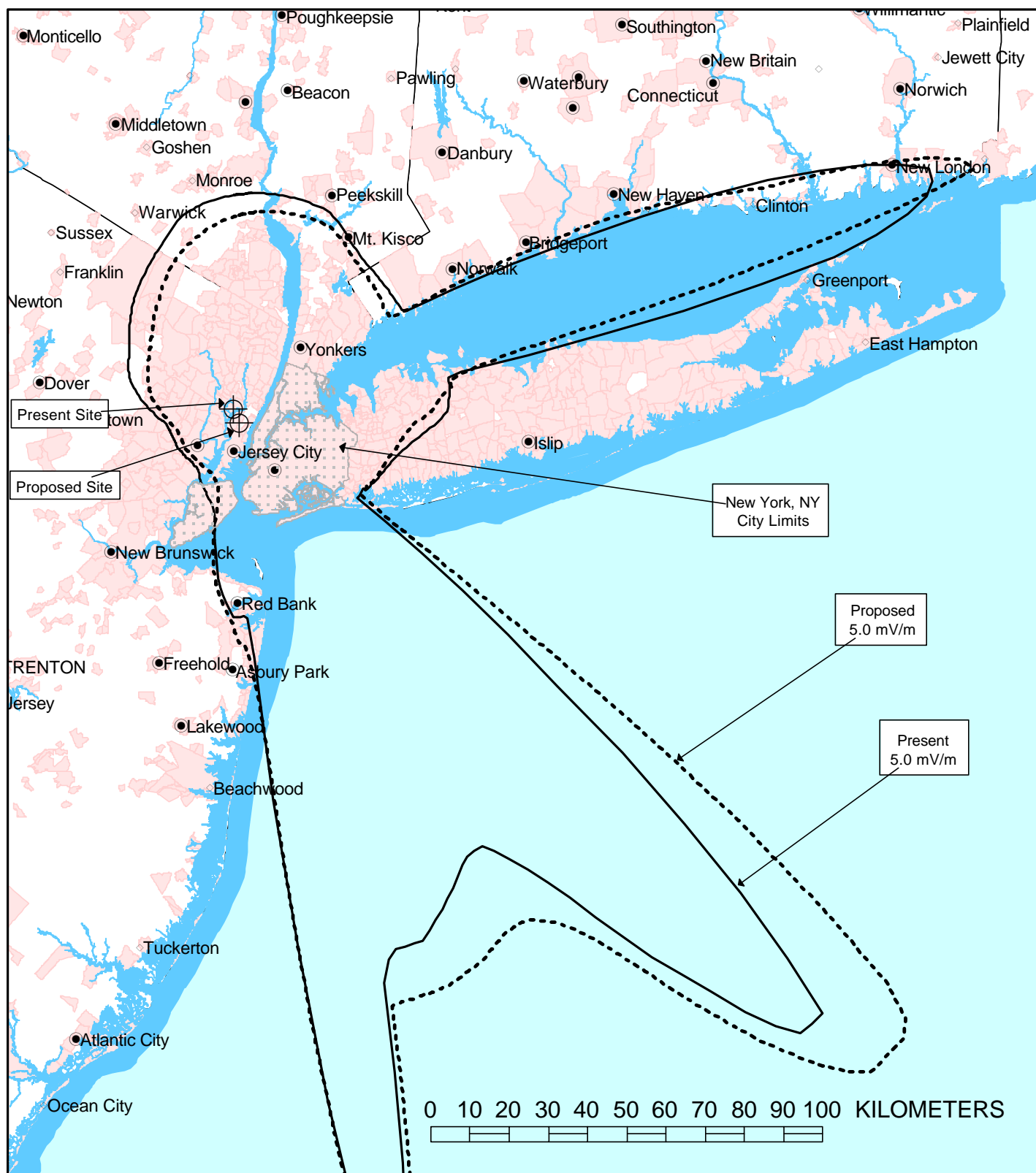
Fields in mV/m @ 1 Kilometer

FIGURE 17



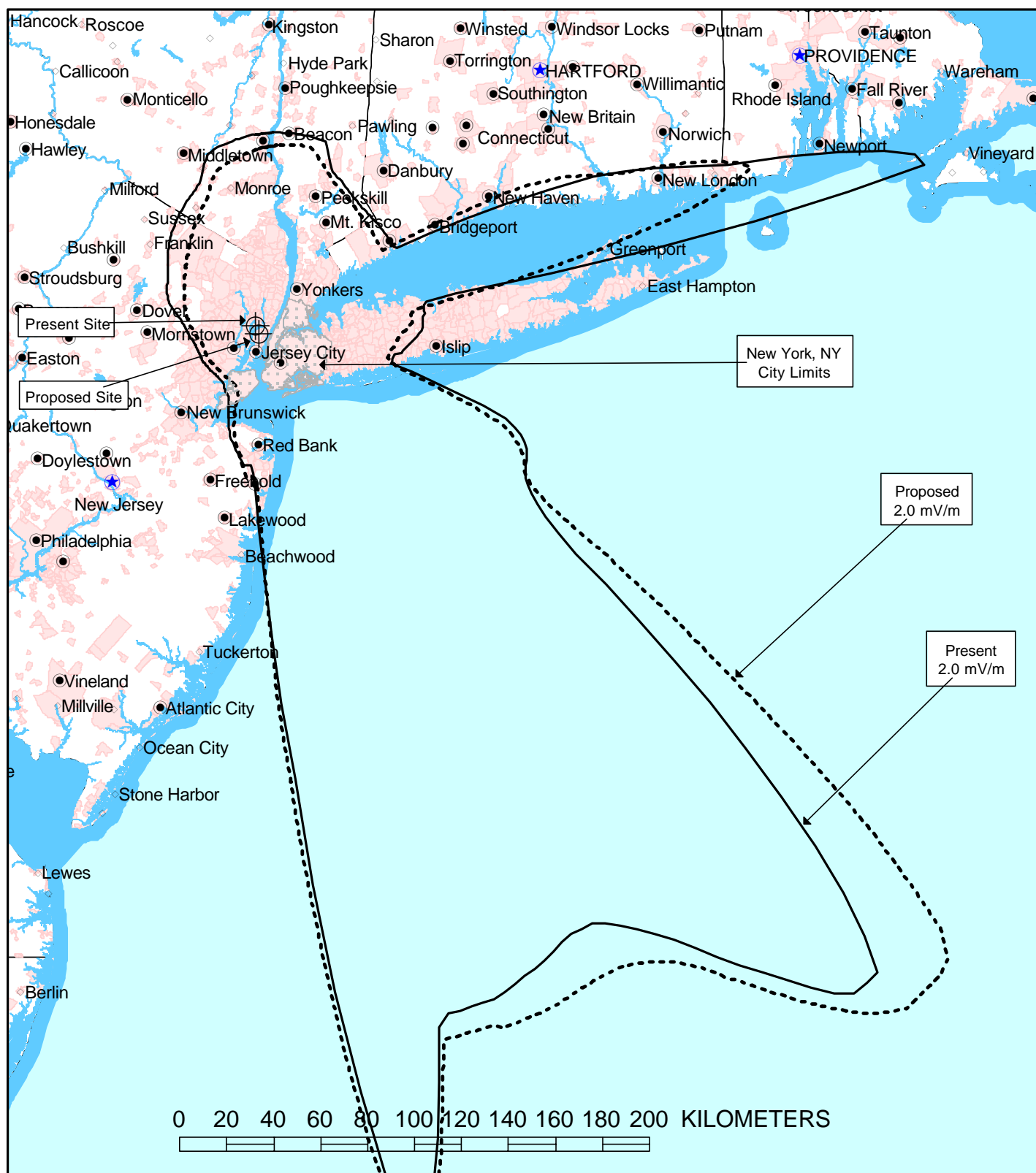
PRESENT & PROPOSED 1000 MV/M CONTOURS
 WEPN(AM) - NEW YORK, NEW YORK
 1050 KHZ - 50 KW - DA-1
 NOVEMBER, 2006

FIGURE 18



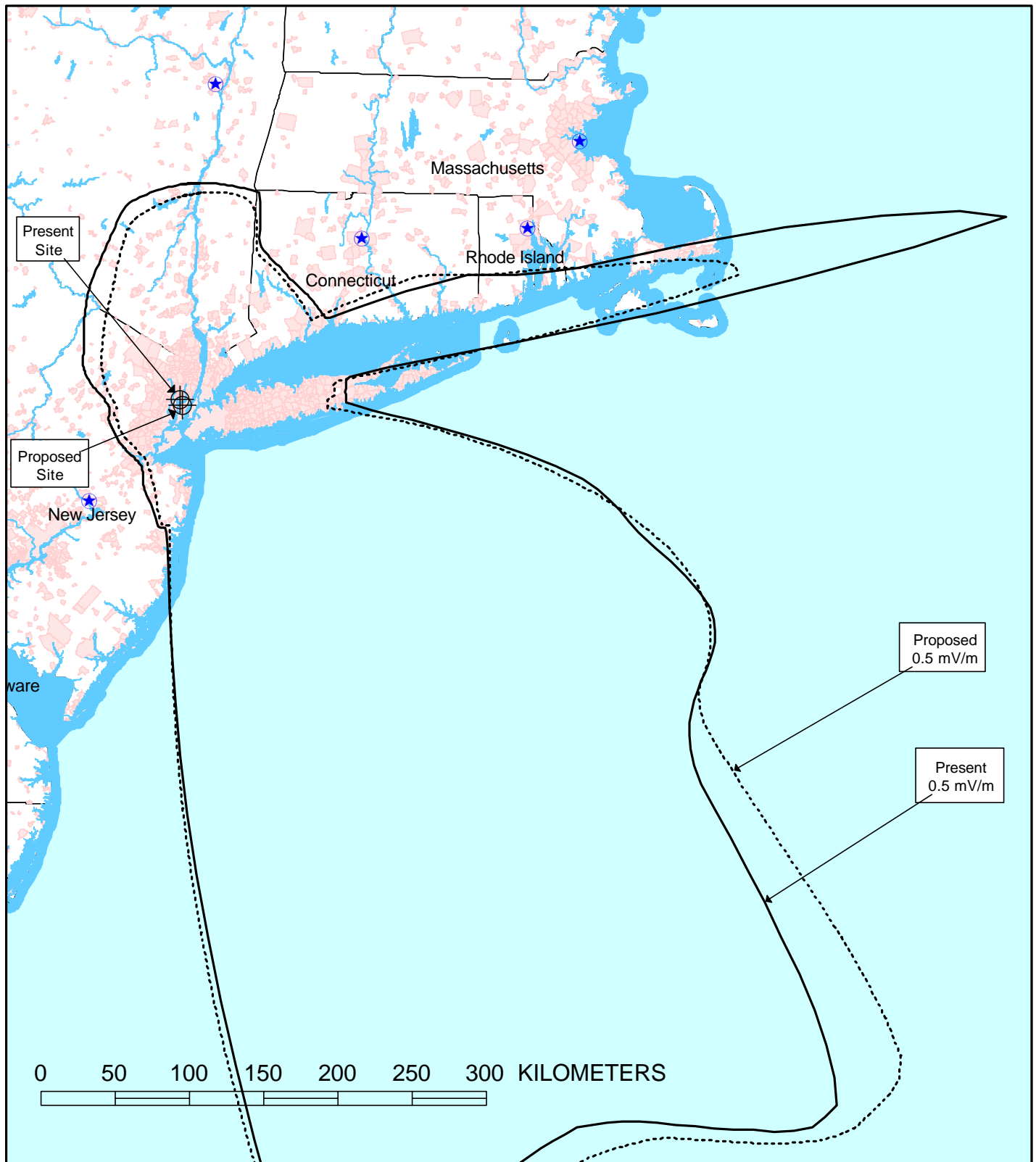
PRESENT & PROPOSED 5.0 MV/M CONTOURS
 WEPN(AM) - NEW YORK, NEW YORK
 1050 KHZ - 50 KW - DA-1
 NOVEMBER, 2006

FIGURE 19



PRESENT & PROPOSED 2.0 MV/M CONTOURS
 WEPN(AM) - NEW YORK, NEW YORK
 1050 KHZ - 50 KW - DA-1
 NOVEMBER, 2006

FIGURE 20



PRESENT & PROPOSED 0.5 MV/M CONTOURS
WEPN(AM) - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1
NOVEMBER, 2006

ALLOCATIONS STUDY
STATIONS CONSIDERED IN ALLOCATION STUDY
WEPN - NEW YORK, NEW YORK
1050 KHZ - 50.0 KW - DA-1

PRESENT

WEPN - NEW YORK, NEW YORK

1050 kHz - 50.0 kW - DA-1

The present contours of WEPN were calculated every 5 degrees of azimuth from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the licensed WEPN theoretical directional antenna system parameters.

PROPOSED

WEPN - NEW YORK, NEW YORK

1050 kHz - 50.0 kW - DA-1

The proposed contours of WEPN were calculated every 5 degrees of azimuth from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern fields were calculated from the proposed WEPN theoretical directional antenna system parameters, supplied herein.

WCHR - FLEMINGTON, NEW JERSEY

1040 kHz - 4.7 kW DAY/1.0 kW - NIGHT - DA-2

The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the WCHR licensed theoretical directional antenna system parameters.

WCHR - FLEMINGTON, NEW JERSEY
BP-20040112ABD

1040 kHz - 15.0 kW DAY/7.5 CRITICAL HOURS/2.5 kW NIGHT - DA-3

The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the WCHR construction permit theoretical directional antenna system parameters.

WCHR - FLEMINGTON, NEW JERSEY
BMP-20060810ACZ

1040 kHz - 15.0 kW DAY/7.5 kW CRITICAL HOURS/1.5 kW NIGHT DA-3

The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the rules. Standard

Pattern fields were calculated from the WCHR proposed theoretical directional antenna system parameters.

NEW - MENANDS, NEW YORK
BNP-20040130BCW

1040 kHz - 0.9 kW DAY/0.25 kW NIGHT - DA-2

The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the rules. Standard Pattern Fields were calculated from the proposed theoretical directional antenna system parameters.

NEW - WEST SIMSBURY, CONNECTICUT
BNP-20040128ACX

1040 kHz - 0.20 kW DAY/0.129 kW NIGHT - DA-2

The 0.25 mV/m contour and 0.5 mV/m were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the rules. Standard Pattern Fields were calculated from the proposed theoretical directional antenna system parameters.

WBNC - CONWAY, NEW HAMPSHIRE

1050 kHz - 1.0 kW DAY/0.063 kW NIGHT - ND-1

The 0.5 mV/m and 0.025 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. The inverse distance field used was 304.2 mV/m at 1 km.

WFED - SILVER SPRING, MARYLAND

1050 kHz - 1.0 kW - ND-1

The 0.5 mV/m and 0.025 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. The inverse distance field used was 307.4 mV/m at 1 km.

WVXX - NORFOLK, VIRGINIA

1050 kHz - 5.0 kW DAY/0.358 kW NIGHT - DA-2

The 0.025 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the WVXX licensed theoretical directional antenna system parameters.

WLYC - WILLIAMSPORT, PENNSYLVANIA

1050 kHz - 1.0 kW DAY/0.03 kW NIGHT - ND-1

The 0.5 mV/m and 0.025 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. The inverse distance field used was 301.0 mV/m at 1 km.

CHUM - TORONTO, CANADA

1050 kHz - 50 kW DAY/50 kW NIGHT - DA-2

The 0.025 mV/m contour was calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the CHUM licensed theoretical directional antenna system parameters.

WSEN - BALDWINVILLE, NEW YORK

1050 kHz - 2.5 kW DAY/0.019 kW NIGHT - DA-2

The 0.025 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the WSEN licensed theoretical directional antenna system parameters.

WYBG - MASSENA, NEW YORK

1050 kHz - 1.0 kW DAY/0.066 kW NIGHT - ND-1

The 0.5 mV/m and 0.025 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. The inverse distance field used was 310.6 mV/m at 1 km.

KYW - PHILADELPHIA, PENNSYLVANIA

1060 kHz - 50 kW - DA-1

The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the KYW licensed theoretical directional antenna system parameters.

WBIX - NATICK, MASSACHUSETTS

1060 kHz - 40 kW DAY/22 kW CRITICAL HOURS/2.5 kW NIGHT - DA-3

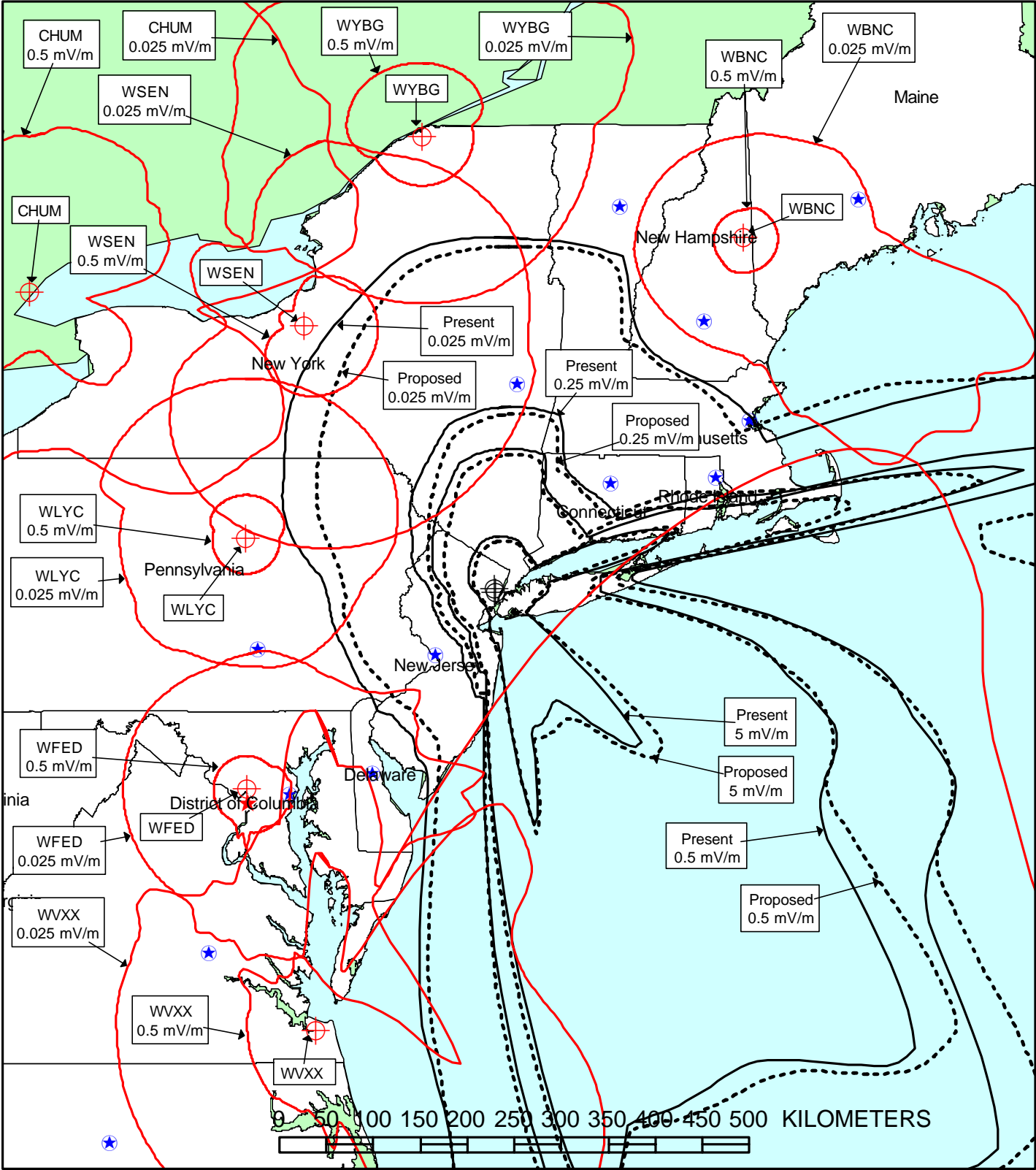
The 0.25 mV/m and 0.5 mV/m contours were calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. Standard Pattern Fields were calculated from the WBIX licensed theoretical directional antenna system parameters.

WKMB - STIRLING, NEW JERSEY

1070 kHz - 0.25 kW DAY - ND-D

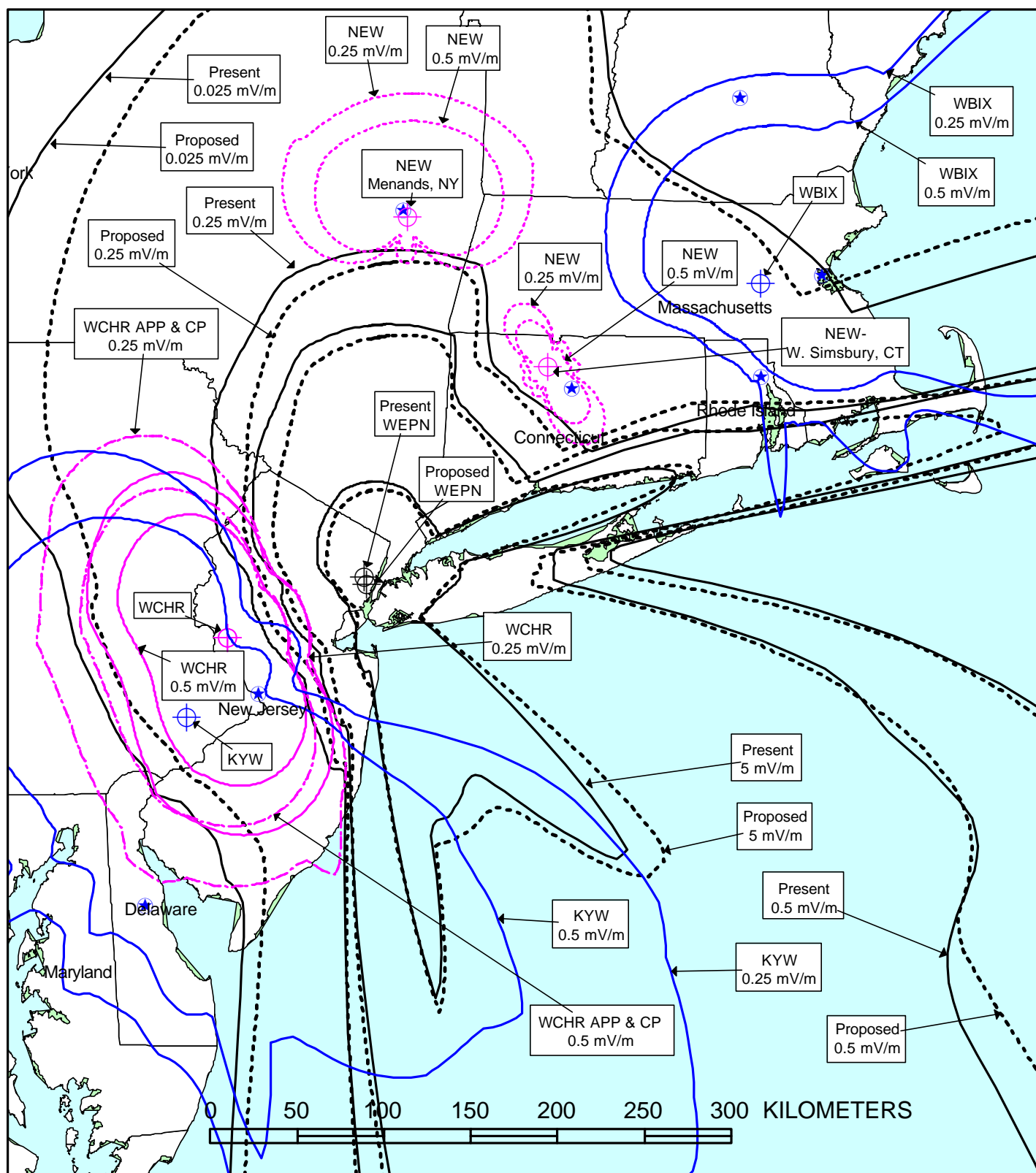
The 5 mV/m contour was calculated every 5 degrees from 0 degrees to 355 degrees True. Conductivities were taken from Figure M-3 of the Rules. The inverse distance field used was 283.2 mV/m at 1 km.

FIGURE 22



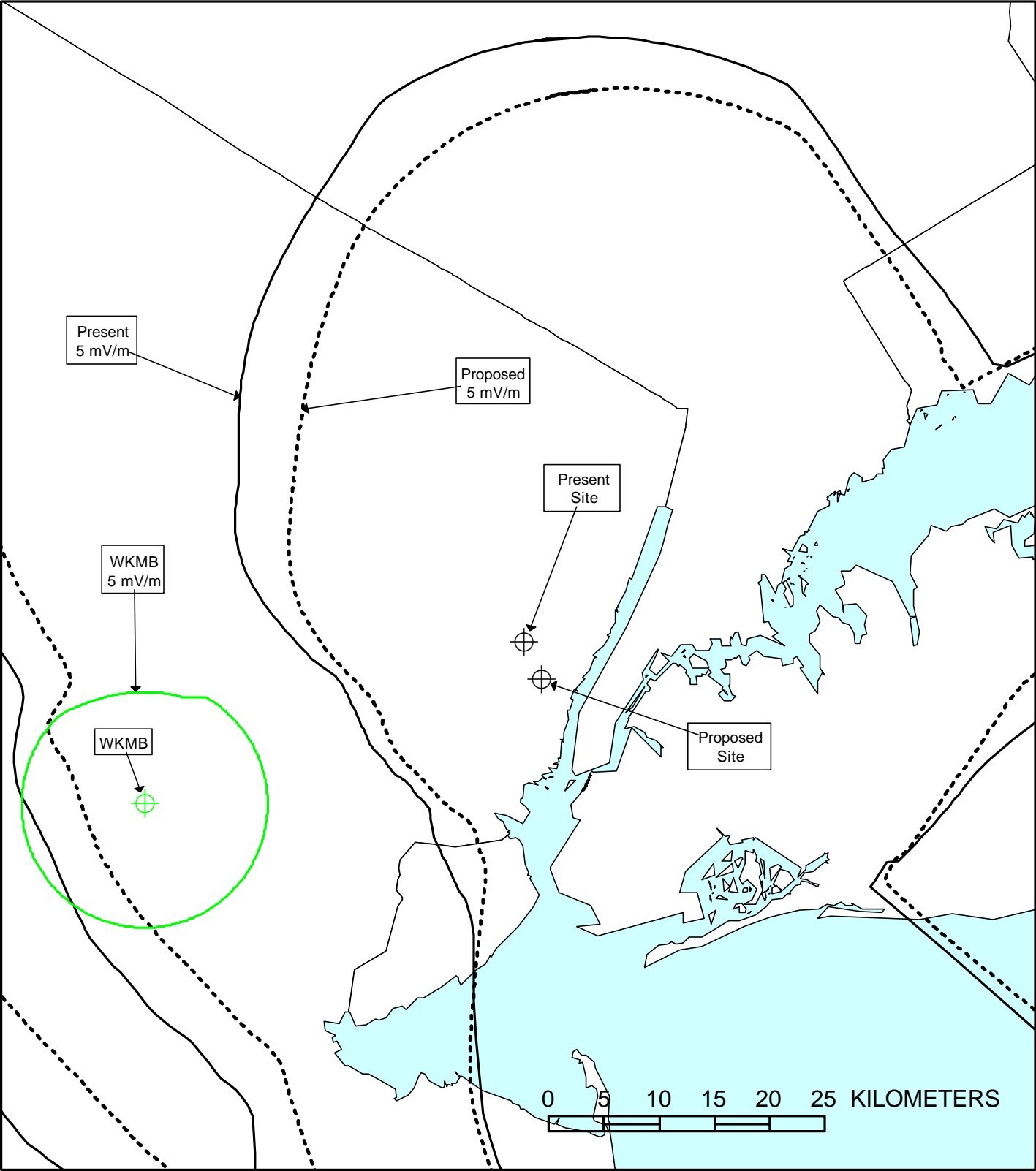
DAYTIME ALLOCATION STUDY
CO-CHANNEL STATIONS
WEPN(AM) - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1
NOVEMBER, 2006

FIGURE 23



DAYTIME ALLOCATION STUDY
 FIRST ADJACENT CHANNEL STATIONS
 WEPN(AM) - NEW YORK, NEW YORK
 1050 KHZ - 50 KW - DA-1
 NOVEMBER, 2006

FIGURE 24



DAYTIME ALLOCATION STUDY
SECOND ADJACENT CHANNEL STATIONS
WEPN(AM) - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1
NOVEMBER, 2006

Frequency: 1050

Explanation of "CODE" which appears on the right edge of this report:

```

CODE
123456
||||| |-- [6] Corresponding expanded band domestic status (if
|||||      this is a lower band station)
||||| --- [5] Not included in RSS Calculation because:
|||||      (1) Deleted Domestically
|||||      (2) Application
|||||      (3) Petition for Expanded Band
|||||      (4) Objected
|||||      (5) B-List or D-List
|||||      (6) Class D station (formally 2S or 3S)
|||||      (7) Cuban Operation
|||||      (8) Multiple Entry
|||||      (9) Test record
||||| ---- [4] FCC Dummy Data Code
|||||      (B) Some data assumed; (V) Vertical antenna parameters assumed;
|||||      (1) Vertical and horizontal antenna parameters assumed;
|||||      (2) Coordinates are assumed
||||| ----- [3] FCC Bad Record Code
|||||      (B) Some data known to be bad; (V) Bad vertical antenna parameters;
|||||      (1) Bad coordinates; (2) Bad horizontal antenna parameters;
|||||      (3) Bad horizontal and vertical antenna parameters
||||| ----- [2] IFRB Notified Status
|||||      (A) Negotiated Priority; (P) Proposed; (T) Informal Proposal
|||||      (O) Operating; (U) Un-notified; (Z) Test Record
||||| ----- [1] Domestic Status
|||||      (C) Construction Permit; (L) License; (A) Application;
|||||      (D) Deleted; (M) Petition for Expanded Band;
|||||      (P) Planned expanded band; (T) Test;
|||||      (S) Petition for expanded band w/ stereo

```

WEPNPRO 1050 kHz NEW YORK, NY US - 50.0000 kW 2705.16 mV/m @ km
 N 40-46-35 W 074-03-07 Hours: Mode: DA
 PROPOSED STATION

No.	Field	Phase	Spacing	Orient	Height	Ref	Top/SW	A	B	C	D
1	1.0000000	.0000	.0000	.0000	186.00	0	0	.00	.00	.00	.00
2	.4800000	99.0000	106.0000	260.1000	186.00	0	0	.00	.00	.00	.00
3	.5000000	-57.6000	145.6000	64.8000	186.00	0	0	.00	.00	.00	.00

SUMMARY OF LIMITS TO WEPNPRO 1050 kHz NEW YORK,NY US													50.0000 kW		2705.16 mV/m @ km		Dom Cl:	Dom Stat:
N 40-46-35 W 074-03-07			E(Nom): .0000				Hours:		Mode: DA		Reg2 Cl:	Not stat:						
Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg) (Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456					
-----+																		

SUMMARY OF LIMITS TO WEPN			1050 kHz		NEW YORK,NY US			50.0000 kW		2758.42 mV/m @ km		Dom Cl: B		Dom Stat: L	
N 40-48-26 W 074-04-11						E(Nom): .0000		Hours: U		Mode: DA1		Reg2 Cl: B		Not stat: O	
Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg) (Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code	123456	
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	48.55	2933.5	.00/ .00	4236.76	4236.76	.0063031	5.3409	5.341	O		
+ KYW	PHILADELPHIA	PA US	N 40-06-12	W 075-14-56	51.50	126.8	48.33/61.76	461.35	363.06	.3722788	2.7032	5.986	LO		
														50% Exclusion	
CMLL	VICTORIA TUN	CU	N 20-55-00	W 076-54-00	6.26	2227.8	.00/ 1.09	978.60	978.60	.0118102	2.3115		O	7	
WFED	SILVER SPRING	MD US	N 39-00-50	W 077-01-46	50.75	321.7	23.38/35.88	64.48	56.92	.1900024	2.1628		LO	6	
WSEN	BALDWINVILLE	NY US	N 43-10-46	W 076-20-19	143.83	323.6	23.25/35.71	66.54	57.06	.1811489	2.0671		LO	6	
WLYC	WILLIAMSPORT	PA US	N 41-15-44	W 077-01-59	100.53	253.6	29.00/42.72	52.13	43.46	.2364253	2.0548		LO	6	
WBNC	CONWAY	NH US	N 43-58-48	W 071-06-36	215.57	428.3	17.60/28.18	76.35	71.14	.1269689	1.8065		LO	6	
WMSG	OAKLAND	MD US	N 39-23-32	W 079-23-54	69.15	479.7	15.62/25.40	80.90	77.08	.1163511	1.7938		LO	6	
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	336.42	3.7	88.50/89.09	2346.94	18.98	.4691245	1.7809				
WAMN	GREEN VALLEY	WV US	N 37-18-20	W 081-07-30	55.23	722.6	9.63/16.66	138.19	135.21	.0658058	1.7795		LO	6	
WBUT	BUTLER	PA US	N 40-53-51	W 079-53-22	89.27	489.5	15.28/24.91	85.75	79.08	.1110584	1.7564		LO	6	
WVXX	NORFOLK	VA US	N 36-49-44	W 076-12-26	22.05	479.5	15.62/25.40	81.17	72.70	.1195553	1.7383	6.233	LO		
WYBG	MASSENA	NY US	N 44-53-42	W 074-56-05	170.89	460.0	16.34/26.41	79.79	74.94	.1137406	1.7048		LO	6	
WBRG	LYNCHBURG	VA US	N 37-25-15	W 079-06-55	47.57	575.4	12.75/21.25	94.72	91.47	.0923920	1.6902		LO	8	
WBRG	LYNCHBURG	VA US	N 37-25-15	W 079-06-55	47.57	575.4	12.75/21.25	94.72	91.47	.0923920	1.6902	6.458	CP		
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	121.18	545.9	13.54/22.40	111.59	92.42	.0913172	1.6879	6.675	O		
														25% Exclusion	
- WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	66.00	83.6	59.66/70.53	576.06	189.15	.4203792	1.5903		CP		
HJBB	VALLEDUPAR	CO	N 10-42-00	W 073-18-00	358.84	3348.6	.00/ .00	1198.49	1198.49	.0064951	1.5569		O		
- WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	66.00	83.6	59.66/70.53	533.14	183.94	.4203792	1.5465		AP	2	
WADC	PARKERSBURG	WV US	N 39-15-29	W 081-33-49	72.50	660.6	10.80/18.39	108.09	105.17	.0734497	1.5449		LP	6	
- NEW	MENANDS	NY US	N 42-37-21	W 073-46-40	186.94	203.3	34.84/49.15	466.07	274.33	.2806750	1.5399		AP	2	
WWGP	SANFORD	NC US	N 35-26-28	W 079-12-54	35.47	747.1	9.22/16.05	122.05	119.71	.0640690	1.5339		LO	6	
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	103.25	1225.4	3.94/ 8.27	327.71	326.56	.0224044	1.4633		AP	2	

SUMMARY OF LIMITS TO WYSL 1040 kHz AVON,NY US .5000 kW 207.25 mV/m @ km Dom Cl: B Dom Stat: L
N 42-51-16 W 077-42-39 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	78.83	1292.2	3.44/ 7.56	3334.29	3278.47	.0208648	13.6810	13.681	LO
50% Exclusion													
- WBZ	BOSTON	MA US	N 42-16-44	W 070-52-34	278.83	563.2	13.06/21.72	4098.60	3652.62	.0855544	6.2499	15.041	LO
+ CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	113.77	170.1	39.85/54.16	91.12	639.77	.3095721	3.9611	15.554	O
25% Exclusion													
+ WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	308.24	377.9	20.00/31.45	1570.44	1248.58	.1516952	3.7881		LO
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	319.91	346.1	21.80/33.84	131.28	104.46	.1691777	3.5345		CP
NEW	WEST SIMSBURY	CT US	N 41-52-15	W 072-50-39	286.93	414.5	18.21/29.03	157.78	119.95	.1328759	3.1876		AP 2
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	319.91	346.1	21.80/33.84	78.55	93.98	.1691777	3.1800		AP 2
+ WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	308.52	381.2	19.82/31.22	973.69	769.89	.1501386	2.3118		

SUMMARY OF LIMITS TO NEW 1040 kHz WEST SIMSBURY,CT US .1290 kW 439.30 mV/m @ km Dom Cl: B Dom Stat: A
N 41-52-15 W 072-50-39 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: P

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	48.90	234.3	31.03/45.03	477.03	355.30	.2527404	17.9596		LO 8
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	48.90	234.3	31.03/45.03	461.44	350.14	.2527404	17.6991		AP 2
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	48.90	234.3	31.03/45.03	474.05	334.98	.2527404	16.9325	16.932	CP
50% Exclusion													
+ WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	40.46	156.4	42.27/56.44	4145.45	1265.04	.3339182	8.4484	18.923	LO
+ WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	39.25	158.1	41.96/56.16	3913.31	1231.51	.3320478	8.1784		
WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	82.32	1696.9	1.02/ 4.18	3334.29	3329.33	.0120963	8.0545	20.566	LO
- WBZ	BOSTON	MA US	N 42-16-44	W 070-52-34	255.05	168.7	40.09/54.40	4085.85	1245.04	.3162448	7.8748	22.022	LO
CJMS	ST. CONSTANT	QC CA	N 45-22-05	W 073-37-23	170.57	393.9	19.18/30.35	217.34	211.92	.1362323	5.7740	22.767	P
25% Exclusion													
NEW	MENANDS	NY US	N 42-37-21	W 073-46-40	137.09	113.5	51.47/64.33	25.12	62.61	.3798755	4.7569		AP 2
NEW	ST-JEAN	QC CA	N 45-19-17	W 073-18-36	174.25	385.5	19.60/30.92	174.20	169.15	.1401557	4.7416		P 4
NEW	MONTREAL	QC CA	N 45-20-00	W 073-30-00	171.96	388.6	19.44/30.71	127.26	126.41	.1387020	3.5067		P

SUMMARY OF LIMITS TO NEW 1040 kHz MENANDS,NY US .2500 kW 163.26 mV/m @ km Dom Cl: B Dom Stat: A
N 42-37-21 W 073-46-40 E(Nom): .0000 Hours: N Mode: DA3 Reg2 Cl: B Not stat: P

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	22.57	255.7	28.79/42.48	290.81	242.85	.2324045	11.2880		AP 2
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	22.57	255.7	28.79/42.48	290.61	230.91	.2324045	10.7327		LO 8
- WBZ	BOSTON	MA US	N 42-16-44	W 070-52-34	280.10	241.1	30.29/44.19	4106.07	2154.70	.2406741	10.3716	10.372	LO
+ WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	6.75	203.3	34.84/49.15	4221.15	1832.40	.2806747	10.2861	14.607	LO
+ WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	6.24	206.5	34.40/48.69	3993.28	1731.85	.2774369	9.6096		
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	22.57	255.7	28.79/42.48	239.10	194.63	.2324045	9.0464	17.182	CP
50% Exclusion													
WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	79.61	1613.8	1.46/ 4.78	3334.29	3324.21	.0131456	8.7398	19.277	LO
25% Exclusion													
CJMS	ST. CONSTANT	QC CA	N 45-22-05	W 073-37-23	182.38	305.5	24.53/37.33	102.92	117.98	.1827011	4.3109		P
NEW	ST-JEAN	QC CA	N 45-19-17	W 073-18-36	187.27	302.4	24.77/37.63	107.68	113.86	.1848924	4.2104		P 4
WYSL	AVON	NY US	N 42-51-16	W 077-42-39	93.25	322.2	23.34/35.83	159.65	109.28	.1786963	3.9056		LO 8

SUMMARY OF LIMITS TO WYSL 1040 kHz AVON, NY US .5000 kW 207.25 mV/m @ km Dom Cl: B Dom Stat: C
N 42-51-16 W 077-42-39 E(Nom): .0000 Hours: N Mode: DA3 Reg2 Cl: B Not stat: P

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	78.83	1292.2	3.44/ 7.56	3334.29	3278.47	.0208648	13.6810	13.681	LO
50% Exclusion													
- WBZ	BOSTON	MA US	N 42-16-44	W 070-52-34	278.83	563.2	13.06/21.72	4098.60	3652.62	.0855544	6.2499	15.041	LO
+ CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	113.77	170.1	39.85/54.16	91.12	639.77	.3095721	3.9611	15.554	O
25% Exclusion													
+ WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	308.24	377.9	20.00/31.45	1570.44	1248.58	.1516952	3.7881		LO
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	319.91	346.1	21.80/33.84	131.28	104.46	.1691777	3.5345		CP
NEW	WEST SIMSBURY	CT US	N 41-52-15	W 072-50-39	286.93	414.5	18.21/29.03	157.78	119.95	.1328759	3.1876		AP 2
WCHR	FLEMINGTON	NJ US	N 40-30-18	W 074-58-37	319.91	346.1	21.80/33.84	78.55	93.98	.1691777	3.1800		AP 2
+ WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	308.52	381.2	19.82/31.22	973.69	769.89	.1501386	2.3118		

SUMMARY OF LIMITS TO WTCA 1050 kHz PLYMOUTH, IN US .2500 kW 147.74 mV/m @ km Dom Cl: B Dom Stat: L
N 41-19-06 W 086-18-41 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	32.85	2154.7	.00/ 1.47	4236.76	4236.76	.0119838	10.1545	10.154	O
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	248.58	599.7	12.14/20.37	463.15	550.23	.0793452	8.7316	13.392	O
50% Exclusion													
WLIP	KENOSHA	WI US	N 42-33-10	W 087-53-38	135.83	189.7	36.76/51.13	141.00	103.29	.2968840	6.1328	14.730	LO
CFYN	SAULT STE MARIE	ON CA	N 46-32-53	W 084-17-28	196.25	603.5	12.05/20.23	365.82	412.15	.0743849	6.1315	15.955	O
WDZ	DECATUR	IL US	N 39-48-54	W 089-00-08	52.80	282.1	26.39/39.62	155.30	131.80	.2174730	5.7325	16.954	LO
WCVX	CINCINNATI	OH US	N 39-04-50	W 084-31-18	329.15	291.6	25.61/38.67	155.56	134.76	.2110960	5.6893	17.883	LO
CKSB	ST. BONIFACE	MB CA	N 49-45-06	W 097-10-54	133.91	1260.9	3.67/ 7.88	1406.86	1402.72	.0180545	5.0651	18.586	O
25% Exclusion													
- WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	91.29	587.3	12.44/20.81	3334.29	2661.39	.0858744	4.5709		LO
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	277.19	1027.1	5.66/10.78	608.67	595.41	.0338749	4.0339		LO
WDVM	EAU CLAIRE	WI US	N 44-46-36	W 091-28-30	130.72	568.9	12.91/21.50	217.35	209.25	.0853000	3.5699		LO
WTCA	ANN ARBOR	MI US	N 42-08-46	W 083-39-36	248.18	238.5	30.57/44.51	38.35	65.78	.2487500	3.2724		LO
WNES	CENTRAL CITY	KY US	N 37-16-09	W 087-08-32	8.76	455.9	16.49/26.63	128.12	119.17	.1280013	3.0508		LO 6
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	277.38	1029.0	5.64/10.75	396.20	389.97	.0337850	2.6350		

SUMMARY OF LIMITS TO WTKA 1050 kHz ANN ARBOR, MI US .5000 kW 208.87 mV/m @ km Dom Cl: B Dom Stat: L
N 42-08-46 W 083-39-36 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	247.03	361.6	20.89/32.64	443.17	651.93	.1569115	20.4589	20.459	O
CFYN	SAULT STE MARIE	ON CA	N 46-32-53	W 084-17-28	173.92	492.0	15.19/24.79	585.56	579.89	.0992205	11.5073	23.473	O
50% Exclusion													
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	35.42	2371.6	.00/ .40	4236.76	4236.76	.0097503	8.2620	24.885	O
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	283.71	812.3	8.22/14.56	849.46	812.95	.0500054	8.1304	26.179	LO
25% Exclusion													
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	120.25	442.7	17.01/27.36	271.06	254.47	.1206171	6.1386		AP 2
WCVX	CINCINNATI	OH US	N 39-04-50	W 084-31-18	11.77	348.5	21.65/33.64	155.56	140.43	.1729039	4.8561		LO
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	283.93	814.5	8.18/14.51	504.63	486.88	.0498019	4.8495		

SUMMARY OF LIMITS TO WDVM 1050 kHz EAU CLAIRE,WI US .5000 kW 307.38 mV/m @ km Dom Cl: B Dom Stat: L
N 44-46-36 W 091-28-30 E(Nom): .0000 Hours: N Mode: ND1 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
CKSB	ST. BONIFACE	MB CA	N 49-45-06	W 097-10-54	139.97	700.6	10.03/17.25	1351.79	1329.32	.0503119	13.3762	13.376	O
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	18.00	2260.5	.00/ .93	4236.76	4236.76	.0104201	8.8295	16.028	O
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	284.26	258.5	28.52/42.16	241.37	199.32	.2195545	8.7522	18.261	LO
50% Exclusion													
CFYN	SAULT STE MARIE	ON CA	N 46-32-53	W 084-17-28	253.16	591.7	12.34/20.65	615.44	608.04	.0710007	8.6342	20.200	O
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	284.26	258.5	28.52/42.16	204.72	186.21	.2195545	8.1767		AP 2
KLOH	PIPESTONE	MN US	N 43-59-43	W 096-20-41	75.65	396.5	19.05/30.17	267.32	243.12	.1373574	6.6790	21.275	LO
- WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	22.99	379.1	19.93/31.36	3334.29	1823.05	.1498801	5.4648	21.966	LO
25% Exclusion													
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	282.72	956.0	6.41/11.87	570.13	604.98	.0331609	4.0123		O
WLIP	KENOSHA	WI US	N 42-33-10	W 087-53-38	311.87	379.6	19.91/31.33	141.00	128.82	.1466523	3.7783		LO
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	293.08	1483.8	2.20/ 5.80	1115.40	1112.08	.0149340	3.3216		LO
WTKA	ANN ARBOR	MI US	N 42-08-46	W 083-39-36	297.53	694.9	10.13/17.41	242.03	239.48	.0608537	2.9147		LO
WDZ	DECATUR	IL US	N 39-48-54	W 089-00-08	340.59	587.9	12.43/20.79	155.30	149.76	.0837776	2.5093		LO
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	293.18	1486.6	2.18/ 5.78	669.13	667.21	.0148932	1.9874		

SUMMARY OF LIMITS TO WVXX 1050 kHz NORFOLK,VA US .3580 kW 187.05 mV/m @ km Dom Cl: B Dom Stat: L
N 36-49-44 W 076-12-26 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	203.39	479.5	15.62/25.40	428.56	381.30	.1195555	9.1172	9.117	LO
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	55.56	2582.0	.00/ .00	4236.76	4236.76	.0088375	7.4884	11.798	O
+ KYW	PHILADELPHIA	PA US	N 40-06-12	W 075-14-56	193.21	373.5	20.23/31.76	2698.42	2272.76	.1642179	7.4646	13.961	LO
50% Exclusion													
WIQB	CONWAY	SC US	N 33-50-56	W 079-05-03	37.40	421.7	17.89/28.58	184.67	171.41	.1471975	5.0464	14.845	LO
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	203.73	477.0	15.71/25.53	238.87	205.36	.1204359	4.9465		
WWGP	SANFORD	NC US	N 35-26-28	W 079-12-54	59.38	311.1	24.13/36.83	122.05	106.86	.2050043	4.3814		LO 6
WBRG	LYNCHBURG	VA US	N 37-25-15	W 079-06-55	103.44	266.1	27.81/41.32	94.72	80.13	.2366562	3.7927		LO 8
WBRG	LYNCHBURG	VA US	N 37-25-15	W 079-06-55	103.44	266.1	27.81/41.32	94.72	80.13	.2366562	3.7927	15.322	CP
25% Exclusion													
CMLL	VICTORIA TUN	CU	N 20-55-00	W 076-54-00	2.02	1770.6	.66/ 3.69	978.60	978.48	.0186388	3.6475		O 7

SUMMARY OF LIMITS TO CHUM 1050 kHz TORONTO,ON CA 50.0000 kW 2058.35 mV/m @ km Dom Cl: B Dom Stat:
N 43-29-14 W 079-37-15 E(Nom): 2.5000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg)(Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	304.91	545.9	18.10/18.10	1418.01	1174.28	.1180635	27.7279	27.728	LO
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	305.13	549.1	17.99/17.99	894.76	734.26	.1176130	17.2716		
50% Exclusion													
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	93.90	700.6	13.71/13.71	338.03	324.71	.0992335	6.4444		AP 2
CFYN	SAULT STE MARIE	ON CA	N 46-32-53	W 084-17-28	131.16	500.4	19.82/19.82	285.12	248.30	.1246740	6.1912		O
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	93.90	700.6	13.71/13.71	256.23	244.17	.0992335	4.8459		LO
WTKA	ANN ARBOR	MI US	N 42-08-46	W 083-39-36	64.28	361.6	27.10/27.10	104.12	128.66	.1529489	3.9357		LO
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	38.04	2714.9	.00/ .00	4236.76	4236.76	.0045759	3.8774		O
CKSB	ST. BONIFACE	MB CA	N 49-45-06	W 097-10-54	110.84	1506.2	3.85/ 3.85	742.10	739.55	.0260516	3.8533		O

SUMMARY OF LIMITS TO CFYN 1050 kHz SAULT STE MARIE, ON CA 2.5000 kW 468.30 mV/m @ km Dom Cl: B Dom Stat: L
N 46-32-53 W 084-17-28 E(Nom): 2.5000 Hours: N Mode: DAN Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg) (Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	311.29	1039.3	8.10/ 8.10	1721.57	1657.75	.0601817	19.9532	19.953	LO
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	314.47	500.4	19.82/19.82	376.97	540.28	.1246740	13.4719	24.075	O
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	311.38	1042.7	8.06/ 8.06	1051.35	1011.84	.0598539	12.1125		
50% Exclusion													
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	49.33	404.2	24.45/24.45	484.28	398.13	.1424680	11.3443		AP 2
WTKA	ANN ARBOR	MI US	N 42-08-46	W 083-39-36	354.37	492.0	20.16/20.16	449.48	408.92	.1259798	10.3031		LO
WJOK	KAUKAUNA	WI US	N 44-14-51	W 088-18-00	49.33	404.2	24.45/24.45	351.25	302.10	.1424680	8.6079		LO
CKSB	ST. BONIFACE	MB CA	N 49-45-06	W 097-10-54	105.54	1018.9	8.35/ 8.35	452.37	447.85	.0621964	5.5709		O
WTCA	PLYMOUTH	IN US	N 41-19-06	W 086-18-41	14.85	603.5	16.25/16.25	219.16	209.59	.1109847	4.6522		LO

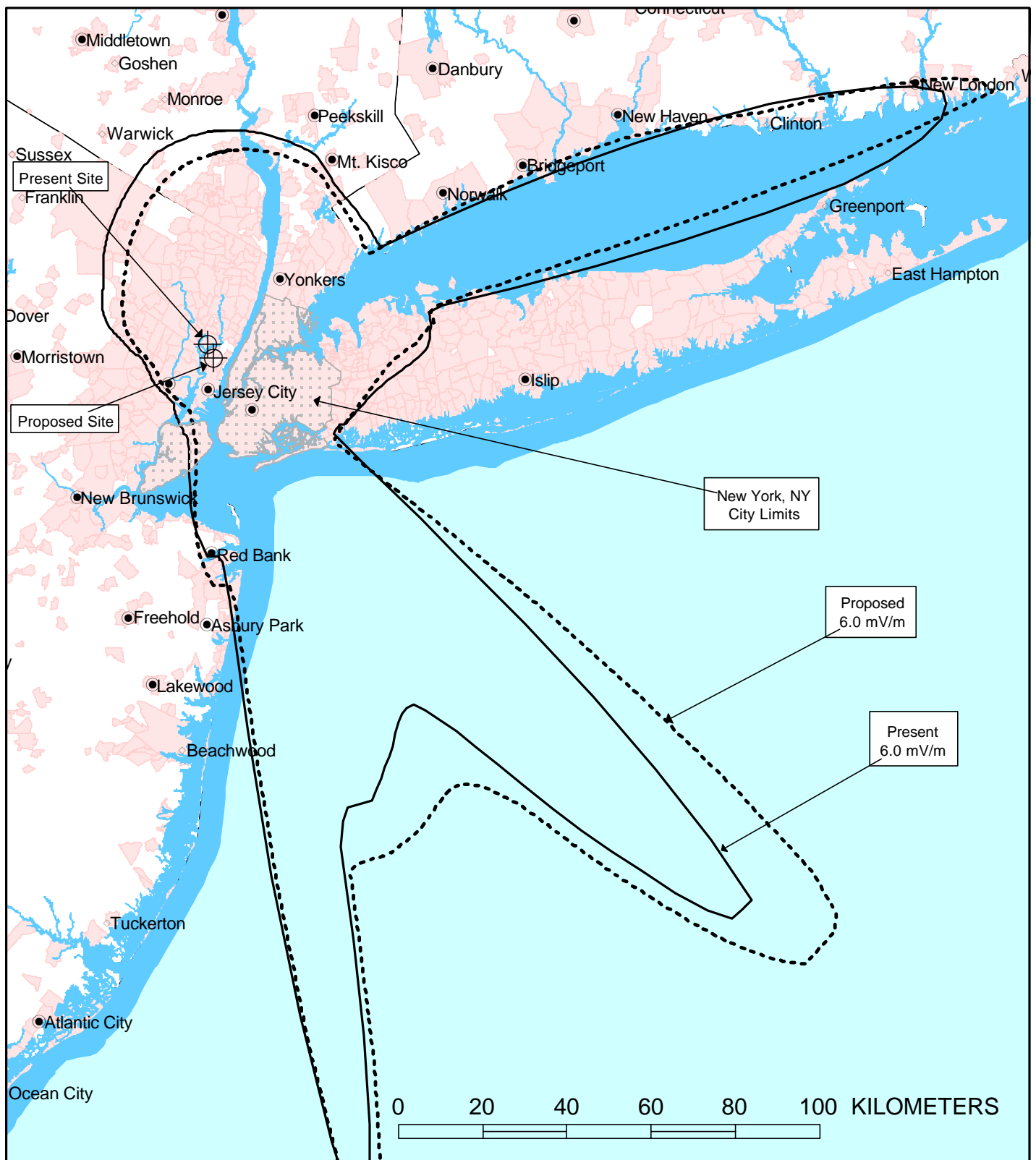
SUMMARY OF LIMITS TO WJOK 1050 kHz KAUKAUNA, WI US .5000 kW 210.53 mV/m @ km Dom Cl: B Dom Stat: L
N 44-14-51 W 088-18-00 E(Nom): .0000 Hours: N Mode: DA2 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg) (Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
CFYN	SAULT STE MARIE	ON CA	N 46-32-53	W 084-17-28	232.18	404.2	18.69/29.68	400.97	458.96	.1259206	11.5584	11.558	O
CKSB	ST. BONIFACE	MB CA	N 49-45-06	W 097-10-54	128.94	909.0	6.95/12.68	1382.18	1365.63	.0312202	8.5271	14.363	O
XEG	MONTERREY	NL MX	N 25-41-53	W 100-10-30	24.41	2323.4	.00/ .63	4236.76	4236.76	.0098891	8.3796	16.629	O
50% Exclusion													
WDVM	EAU CLAIRE	WI US	N 44-46-36	W 091-28-30	102.04	258.5	28.52/42.16	217.35	180.44	.2195542	7.9234	18.420	LO
CHUM	TORONTO	ON CA	N 43-29-14	W 079-37-15	279.92	700.6	10.03/17.25	594.72	662.13	.0581221	7.6969	19.964	O
WTKA	ANN ARBOR	MI US	N 42-08-46	W 083-39-36	303.42	442.7	17.01/27.36	286.53	274.13	.1206174	6.6129	21.030	LO
WLIP	KENOSHA	WI US	N 42-33-10	W 087-53-38	350.26	191.3	36.52/50.89	141.00	103.71	.2884455	5.9828	21.865	LO
WTCA	PLYMOUTH	IN US	N 41-19-06	W 086-18-41	334.19	363.9	20.76/32.47	186.89	173.94	.1574886	5.4786	22.541	LO
25% Exclusion													
- WHO	DES MOINES	IA US	N 41-39-10	W 093-21-01	53.23	502.0	14.86/24.32	3334.29	2408.85	.1034394	4.9834		LO
WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	292.90	1225.4	3.94/ 8.27	1111.76	1101.15	.0224045	4.9341		LO
KLOH	PIPESTONE	MN US	N 43-59-43	W 096-20-41	84.70	642.5	11.18/18.95	272.88	264.86	.0683704	3.6217		LO
WDZ	DECATUR	IL US	N 39-48-54	W 089-00-08	6.48	496.3	15.05/24.59	155.30	147.24	.1075848	3.1682		LO
WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	293.03	1228.1	3.92/ 8.24	666.32	660.17	.0223287	2.9481		

SUMMARY OF LIMITS TO WBIK 1060 kHz NATICK, MA US 2.5000 kW 680.10 mV/m @ km Dom Cl: B Dom Stat: L
N 42-14-50 W 071-25-31 E(Nom): .0000 Hours: N Mode: DA3 Reg2 Cl: B Not stat: O

Call	City	St Co	Latitude (D-M-S)	Longitude (D-M-S)	Az (Deg)	Dist (km)	Min/Max (Deg) (Deg)	E(Hor) (mV/m)	E(Vert) (mV/m)	E(Sky) (mV/m)	Limit (mV/m)	RSS (mV/m)	Code 123456
- WEPN	NEW YORK	NY US	N 40-48-26	W 074-04-11	53.10	272.2	27.25/40.66	4398.67	2813.56	.2190048	12.3237	12.324	LO
- WEPNPRO	NEW YORK	NY US	N 40-46-35	W 074-03-07	52.35	273.1	27.17/40.57	3691.21	2431.11	.2183760	10.6179	16.267	
KYW	PHILADELPHIA	PA US	N 40-06-12	W 075-14-56	52.07	399.0	18.93/30.01	461.52	297.96	.1439154	8.5761	18.389	LO
50% Exclusion													
25% Exclusion													
+ CBA	MONCTON	NB CA	N 46-02-02	W 064-41-10	234.33	682.6	10.37/17.75	2674.28	2507.16	.0584394	2.9303		O

FIGURE 26



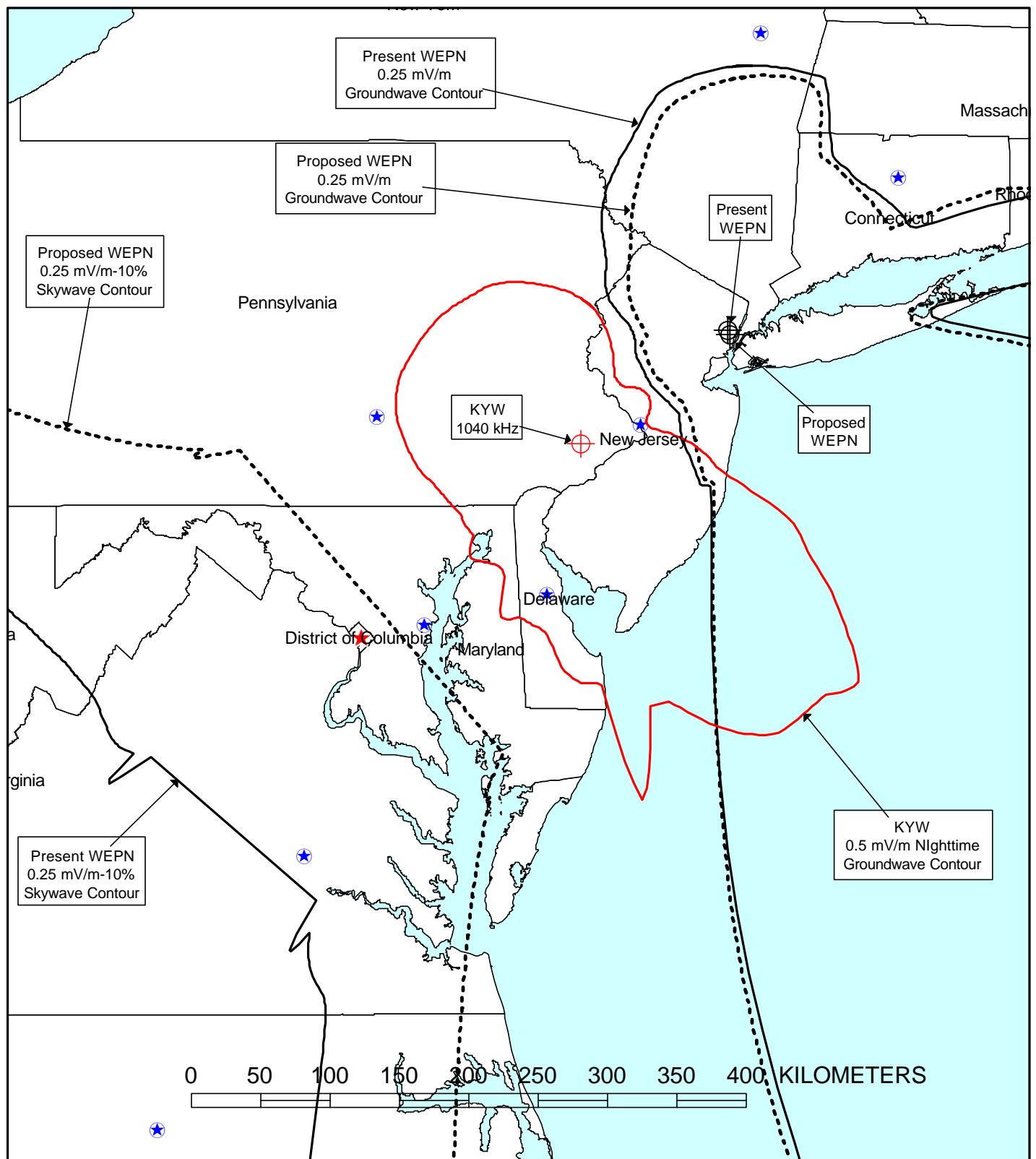
PRESENT & PROPOSED NIGHTTIME
INTERFERENCE-FREE CONTOURS
WEPN(AM) - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1
NOVEMBER, 2006

FIGURE 27



SKYWAVE STUDY TO XEG
WEPN(AM) - NEW YORK, NEW YORK
1050 KHZ - 50 KW - DA-1
NOVEMBER, 2006

FIGURE 28



NIGHTTIME ALLOCATION STUDY FOR KYW
 WEPN(AM) - NEW YORK, NEW YORK
 1050 KHZ - 50 KW - DA-1
 NOVEMBER, 2006